

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
 Data File : BF114713.D
 Acq On : 31 May 2019 17:24
 Operator : HP/JU
 Sample : K3066-04MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Manual Integrations
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mohammad
 6/3/2019 8:49:36 AM

Quant Time: Jun 01 01:09:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	356174	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1362759	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	681602	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1384210	20.00	ng	0.00
76) Chrysene-d12	13.82	240	842102	20.00	ng	0.00
87) Perylene-d12	15.21	264	955671	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	2425913	119.58	ng	0.02
7) Phenol-d6	6.34	99	3044618	124.54	ng	0.01
23) Nitrobenzene-d5	7.26	82	1884832	86.29	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	881184	135.68	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	3060281	84.19	ng	0.00
79) Terphenyl-d14	12.78	244	3317152	74.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.39	88	364084	37.398	ng	96
3) Pyridine	3.08	79	952772	33.628	ng	97
4) n-Nitrosodimethylamine	3.02	42	442362	38.582	ng	94
6) Aniline	6.36	93	523173	14.168	ng	# 43
8) 2-Chlorophenol	6.49	128	1054162	44.995	ng	97
9) Benzaldehyde	6.24	77	504804	35.724	ng	94
10) Phenol	6.35	94	1239918	41.986	ng	97
11) bis(2-Chloroethyl)ether	6.44	93	954042	42.236	ng	96
12) 1,3-Dichlorobenzene	6.64	146	1093054	40.951	ng	99
13) 1,4-Dichlorobenzene	6.72	146	1099093	41.046	ng	99
14) 1,2-Dichlorobenzene	6.87	146	1040585	42.685	ng	99
15) Benzyl Alcohol	6.84	79	867729	45.125	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1336370	38.572	ng	98
17) 2-Methylphenol	6.96	107	882892	44.556	ng	99
18) Hexachloroethane	7.21	117	399805	39.435	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	673370	39.906	ng	97
20) 3+4-Methylphenols	7.11	107	998503	42.844	ng	93
22) Acetophenone	7.10	105	1347307	46.401	ng	# 99
24) Nitrobenzene	7.27	77	1055769	45.502	ng	97
25) Isophorone	7.52	82	1935654	44.157	ng	99
26) 2-Nitrophenol	7.59	139	582055	51.535	ng	99
27) 2,4-Dimethylphenol	7.64	122	938571	49.967	ng	100
28) bis(2-Chloroethoxy)methane	7.73	93	1232371	44.164	ng	100
29) 2,4-Dichlorophenol	7.84	162	913573	47.783	ng	98
30) 1,2,4-Trichlorobenzene	7.92	180	955703	43.874	ng	99
31) Naphthalene	8.00	128	2794003	44.511	ng	99
32) Benzoic acid	7.70	122	63708m	5.222	ng	
33) 4-Chloroaniline	8.04	127	234098	7.828	ng	98
34) Hexachlorobutadiene	8.13	225	513755	42.456	ng	99
35) Caprolactam	8.41	113	278659m	43.188	ng	
36) 4-Chloro-3-methylphenol	8.53	107	948130	49.449	ng	98
37) 2-Methylnaphthalene	8.69	142	1948373	46.716	ng	100
38) 1-Methylnaphthalene	8.79	142	1835760	46.457	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	810361	44.644	ng	99

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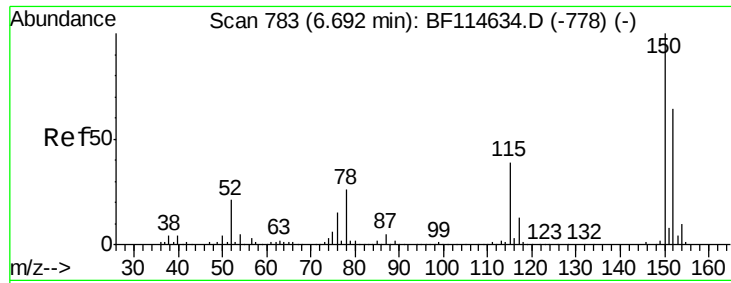
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	985458	82.156	nq	99
43) 2,4,6-Trichlorophenol	8.97	196	654754	45.844	nq	98
44) 2,4,5-Trichlorophenol	9.00	196	702035	49.258	nq	99
46) 1,1'-Biphenyl	9.15	154	2240653	44.285	nq	100
47) 2-Chloronaphthalene	9.17	162	1849651	44.566	nq	99
48) 2-Nitroaniline	9.26	65	579858	45.274	nq	98
49) Acenaphthylene	9.59	152	2830911	44.152	nq	99
50) Dimethylphthalate	9.46	163	2417990	50.910	nq	99
51) 2,6-Dinitrotoluene	9.51	165	542533	49.160	nq	96
52) Acenaphthene	9.76	154	1727669	43.936	nq	99
53) 3-Nitroaniline	9.67	138	258474	19.136	nq	99
54) 2,4-Dinitrophenol	9.77	184	146129	33.569	nq	# 86
55) Dibenzofuran	9.93	168	2466651	44.068	nq	98
56) 4-Nitrophenol	9.84	139	934735	93.385	nq	92
57) 2,4-Dinitrotoluene	9.91	165	730706	51.590	nq	94
58) Fluorene	10.27	166	1756887	48.423	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	561385	48.122	nq	99
60) Diethylphthalate	10.16	149	2170648	44.747	nq	98
61) 4-Chlorophenyl-phenylether	10.26	204	876663	47.717	nq	99
62) 4-Nitroaniline	10.29	138	589976	44.825	nq	96
63) Azobenzene	10.42	77	1950900	43.804	nq	99
65) 4,6-Dinitro-2-methylphenol	10.32	198	213483	34.782	nq	86
66) n-Nitrosodiphenylamine	10.38	169	1803250	44.093	nq	100
67) 4-Bromophenyl-phenylether	10.75	248	616745	41.549	nq	96
68) Hexachlorobenzene	10.82	284	675793	42.033	nq	93
69) Atrazine	10.91	200	631331	51.812	nq	98
70) Pentachlorophenol	11.01	266	664550	71.704	nq	98
71) Phenanthrene	11.22	178	2811797	39.821	nq	100
72) Anthracene	11.27	178	2966574	41.511	nq	99
73) Carbazole	11.43	167	2763537	44.000	nq	99
74) Di-n-butylphthalate	11.77	149	3206431	41.462	nq	99
75) Fluoranthene	12.40	202	2988750	40.877	nq	99
77) Benzidine	12.52	184	511442	14.749	nq	100
78) Pyrene	12.63	202	3082220	43.268	nq	99
80) Butylbenzylphthalate	13.26	149	1576210	44.028	nq	98
81) Benzo(a)anthracene	13.81	228	2667652	41.223	nq	100
82) 3,3'-Dichlorobenzidine	13.77	252	454962	18.205	nq	98
83) Chrysene	13.85	228	2662422	43.062	nq	99
84) Bis(2-ethylhexyl)phthalate	13.82	149	1896934	42.859	nq	99
85) Di-n-octyl phthalate	14.43	149	3408936	44.330	nq	98
86) Indeno(1,2,3-cd)pyrene	16.54	276	2617321	42.267	nq	99
88) Benzo(b)fluoranthene	14.82	252	2590078	43.030	nq	100
89) Benzo(k)fluoranthene	14.85	252	2378403	45.461	nq	99
90) Benzo(a)pyrene	15.16	252	2335818	44.174	nq	99
91) Dibenzo(a,h)anthracene	16.56	278	2137581	45.747	nq	99
92) Benzo(g,h,i)perylene	16.94	276	2225058	49.063	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

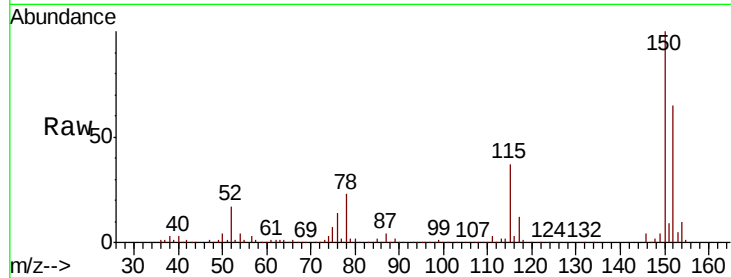
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.4	186.6
115	56.0	48.7	73.1

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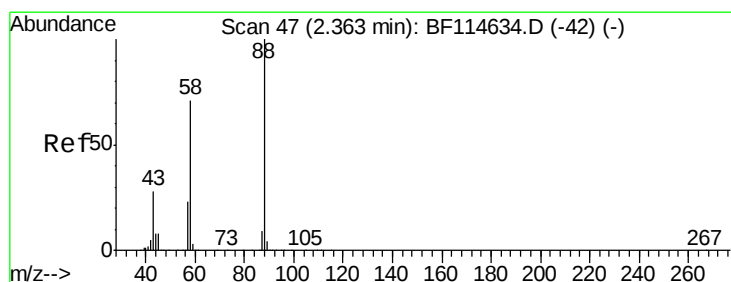
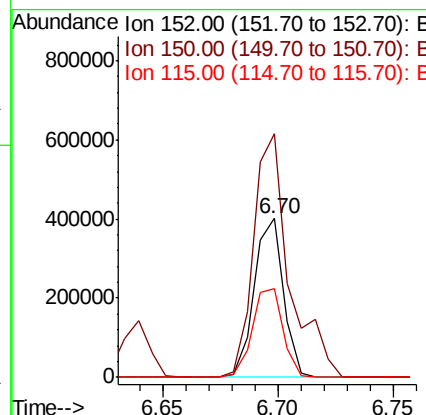
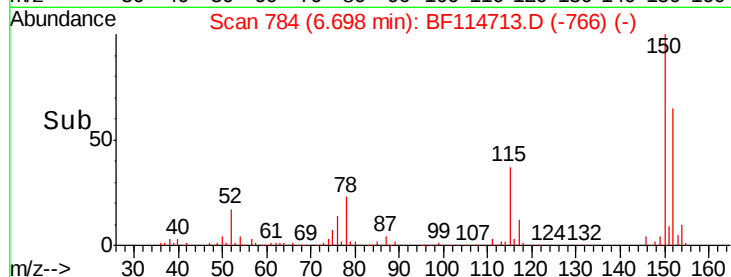


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

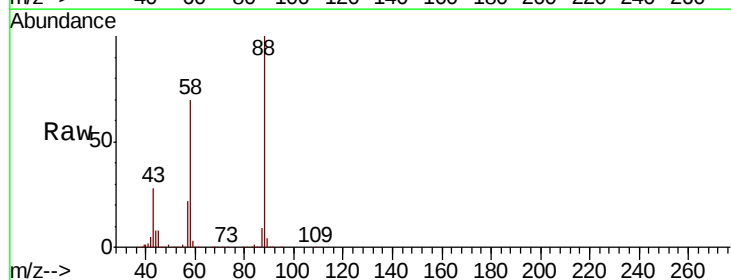
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 37.398 ng
RT: 2.39 min Scan# 52
Delta R.T. 0.03 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.4	57.2	85.8
43	26.3	22.6	33.8

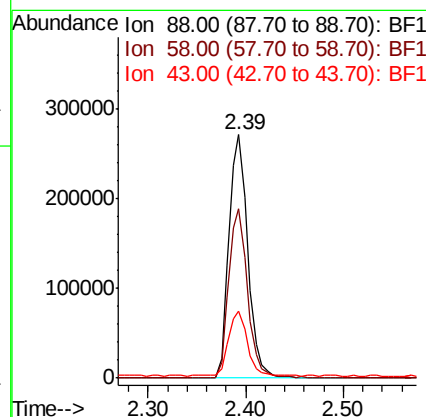
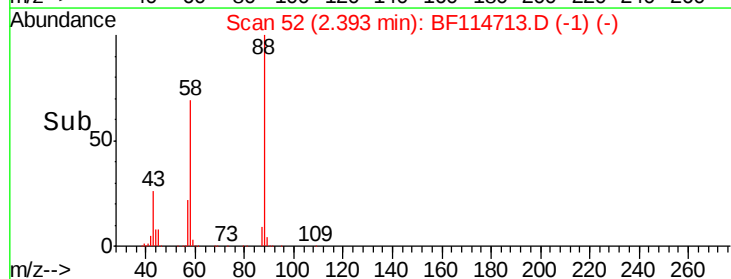


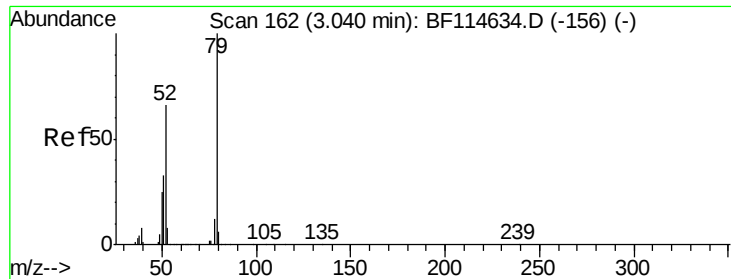
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 33.628 ng

RT: 3.08 min Scan# 169

Delta R.T. 0.04 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

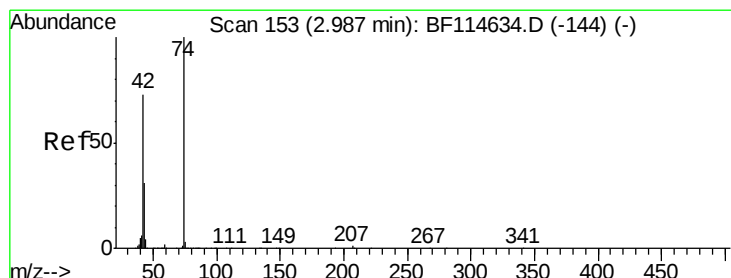
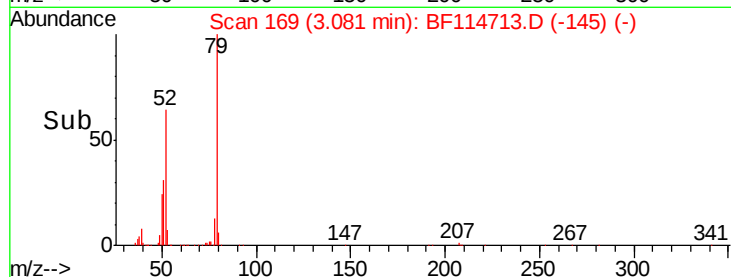
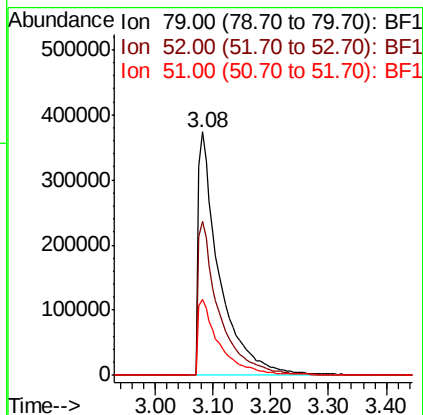
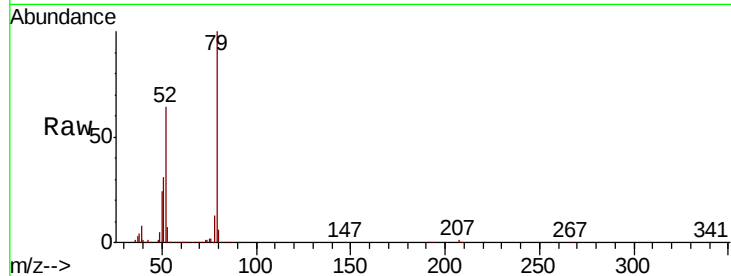
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	79	Resp:	952772
Ion Ratio	Lower	Upper	
79	100		
52	63.5	52.8	79.2
51	31.0	26.3	39.5

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#4

n-Nitrosodimethylamine

Concen: 38.582 ng

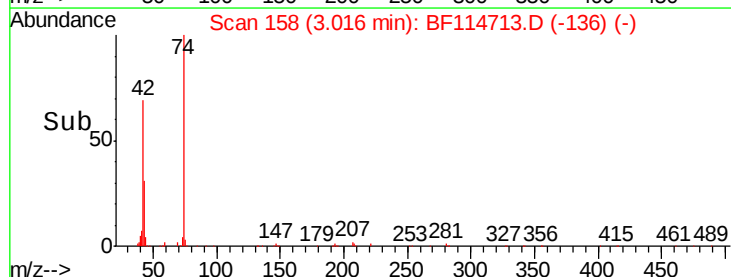
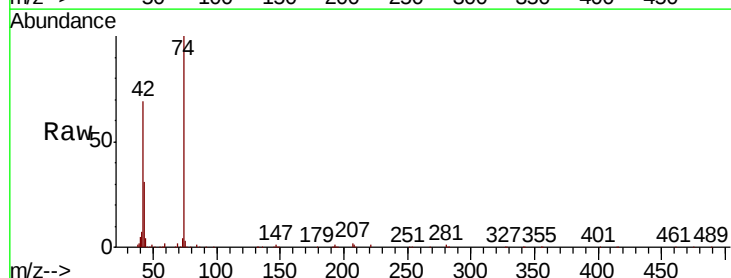
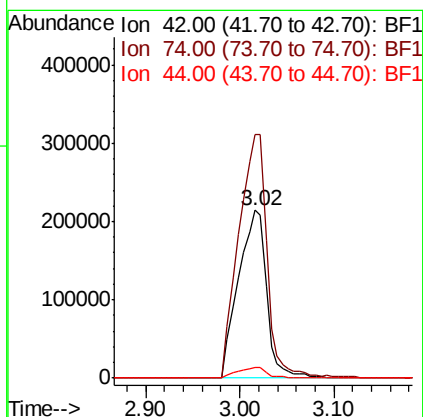
RT: 3.02 min Scan# 158

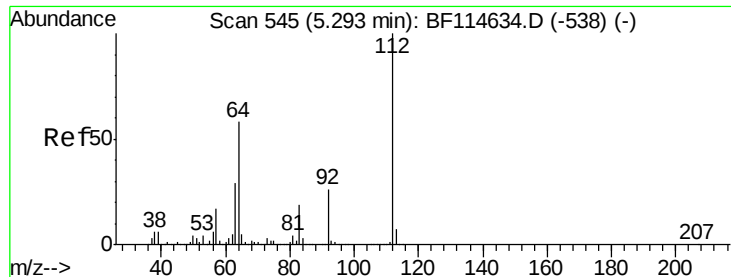
Delta R.T. 0.03 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion:	42	Resp:	442362
Ion Ratio	Lower	Upper	
42	100		
74	145.0	110.0	165.0
44	6.4	5.6	8.4





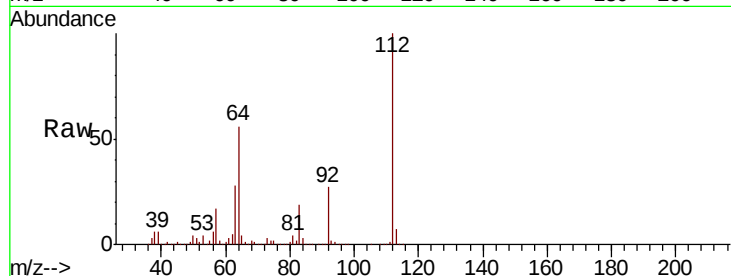
#5
2-Fluorophenol
Concen: 119.582 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.02 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

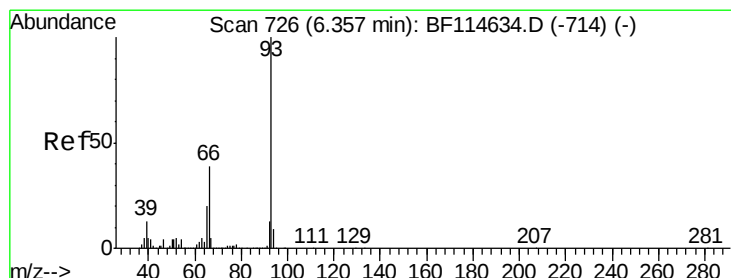
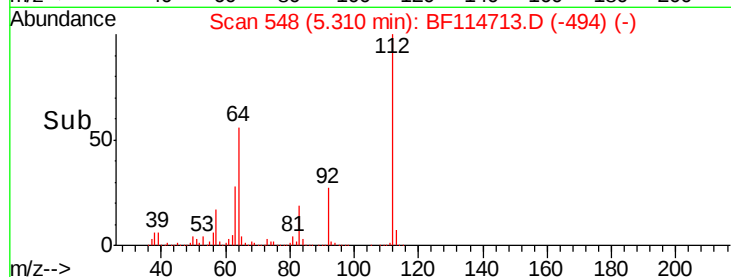
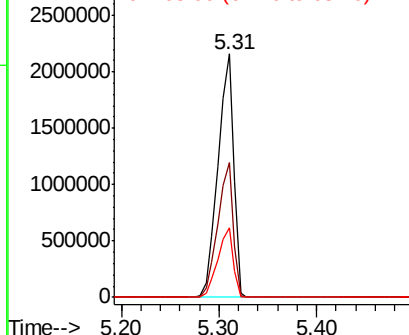
Tot Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.1	69.1
63	28.4	23.4	35.2

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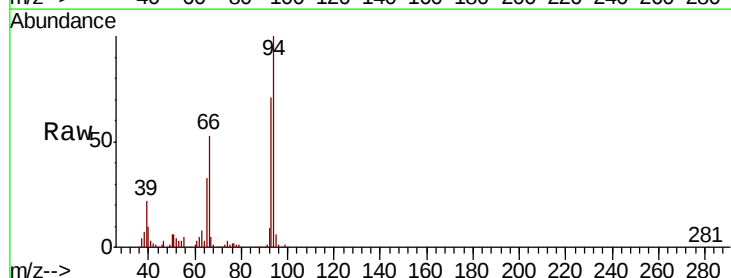


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

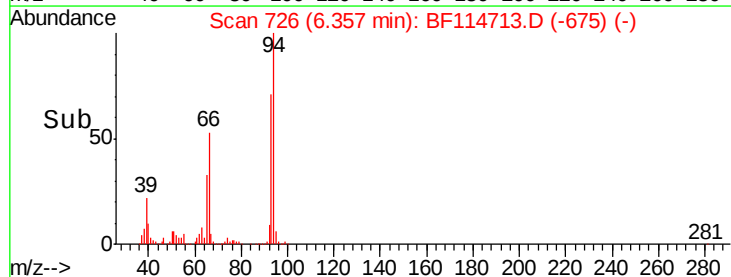
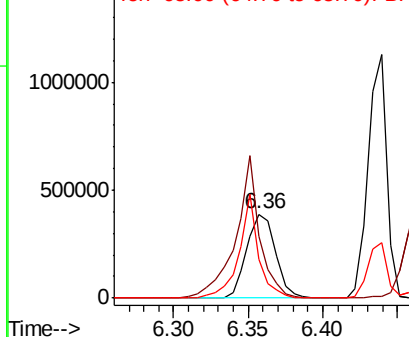


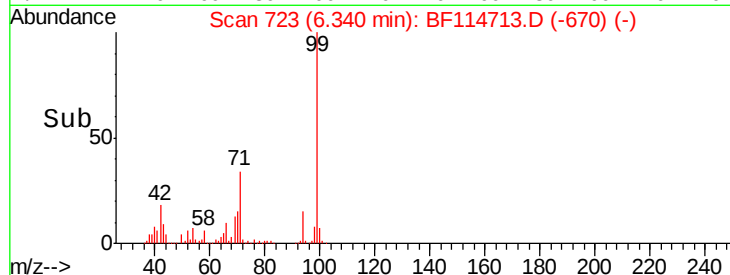
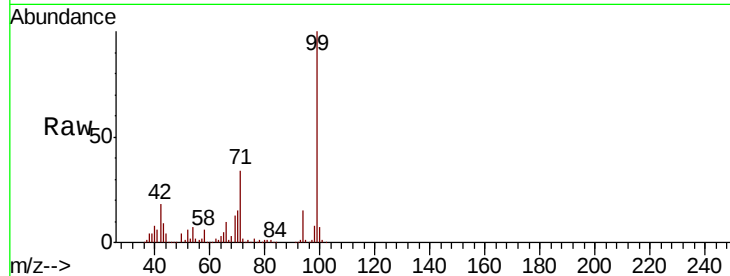
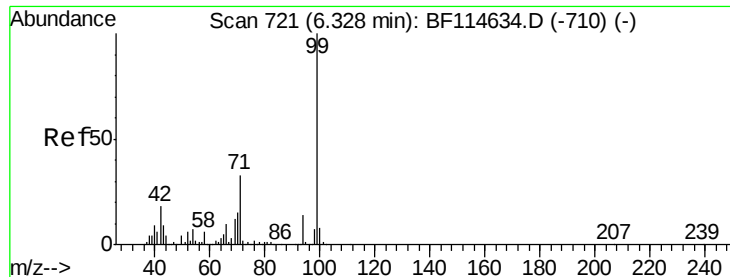
#6
Aniline
Concen: 14.168 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
93	100		
66	74.4	31.4	47.2#
65	46.8	16.2	24.2#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 124.544 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tot Ion: 99 Resp: 3044618

Ion Ratio Lower Upper

99 100

42 17.7 14.7 22.1

71 34.5 26.6 40.0

Instrument :

BNA_F

ClientSampleId :

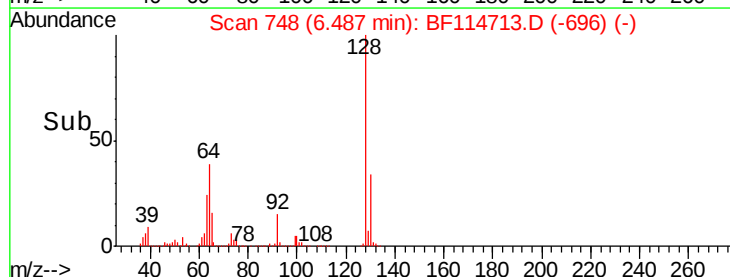
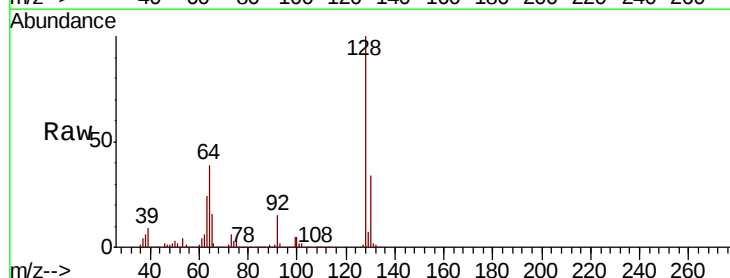
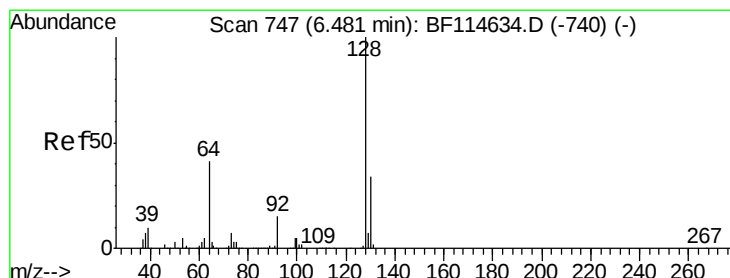
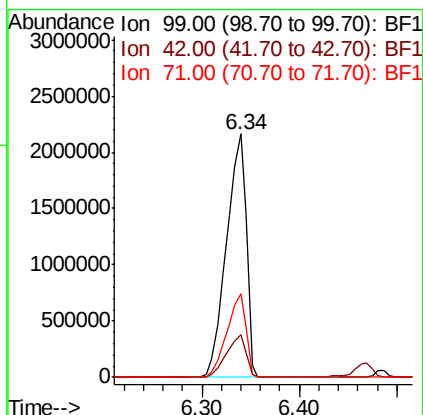
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#8

2-Chlorophenol

Concen: 44.995 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

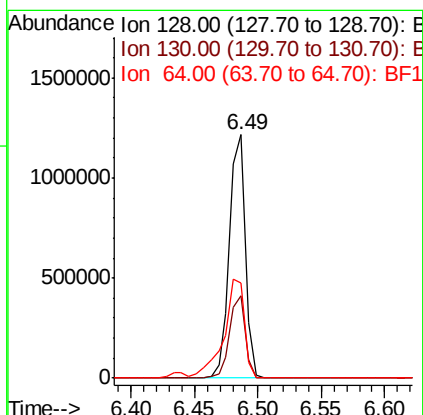
Tgt Ion:128 Resp: 1054162

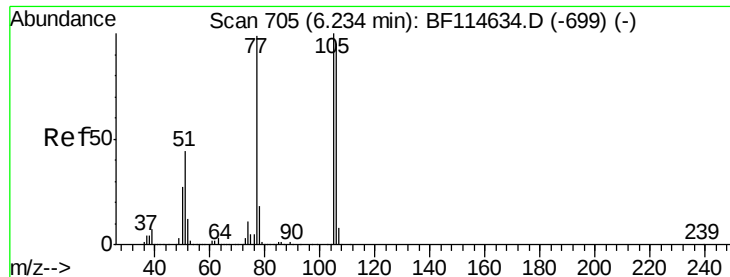
Ion Ratio Lower Upper

128 100

130 33.7 13.9 53.9

64 39.3 22.0 62.0





#9

Benzaldehyde

Concen: 35.724 ng

RT: 6.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

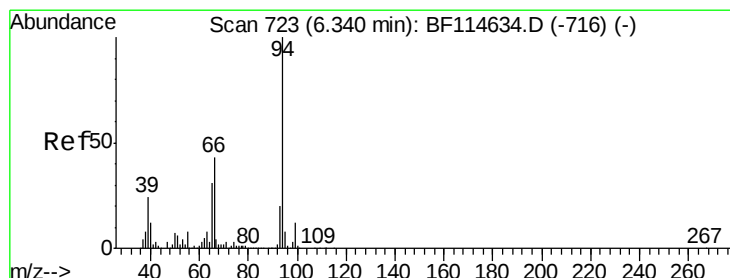
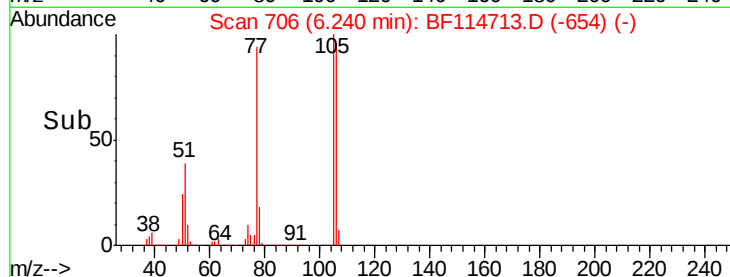
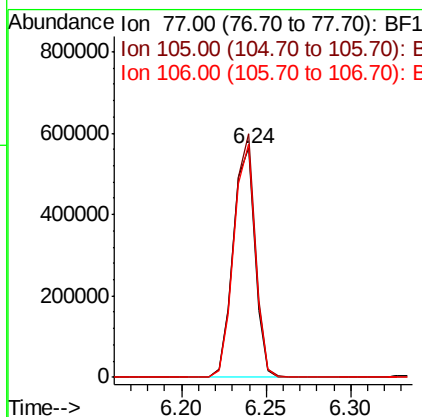
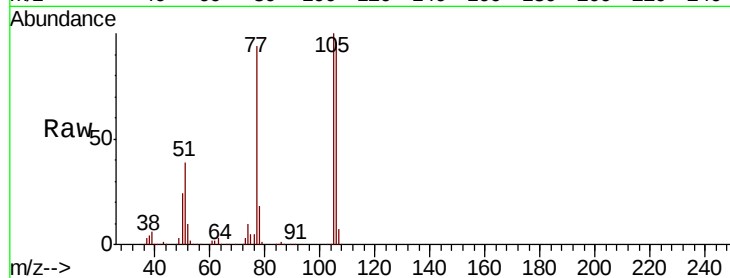
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	77	Resp:	504804
Ion Ratio	Lower	Upper	
77	100		
105	106.3	80.8	120.8
106	102.0	76.2	116.2

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#10

Phenol

Concen: 41.986 ng

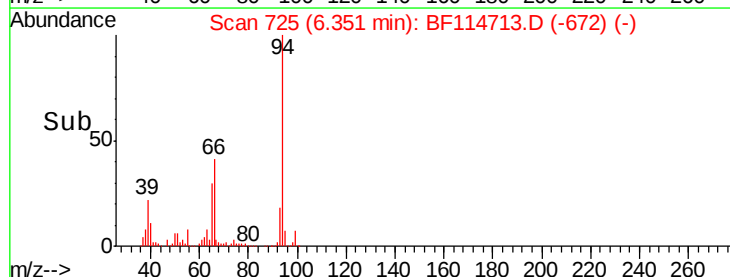
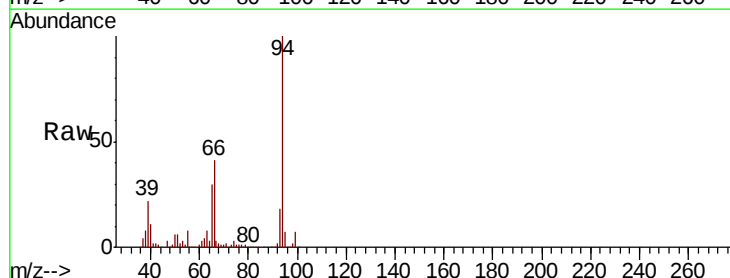
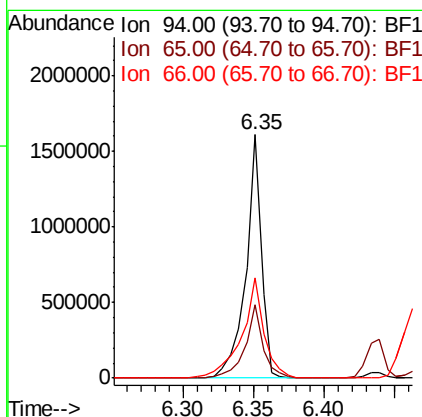
RT: 6.35 min Scan# 725

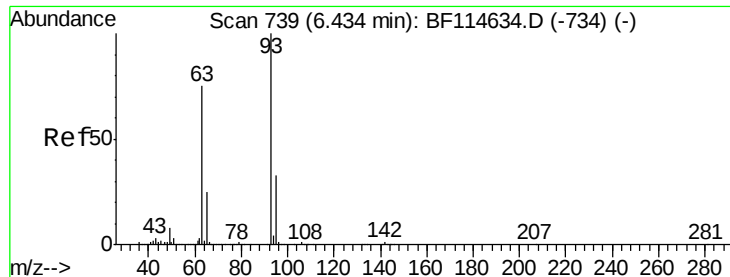
Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion:	94	Resp:	1239918
Ion Ratio	Lower	Upper	
94	100		
65	29.9	11.0	51.0
66	41.1	23.0	63.0





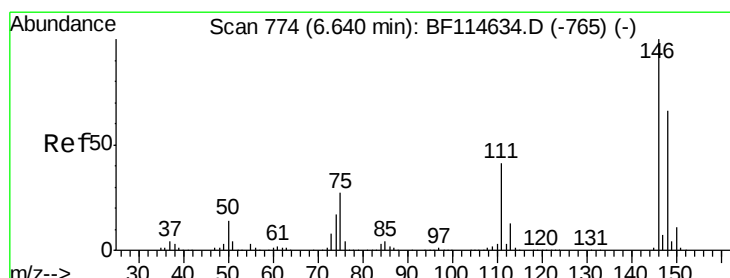
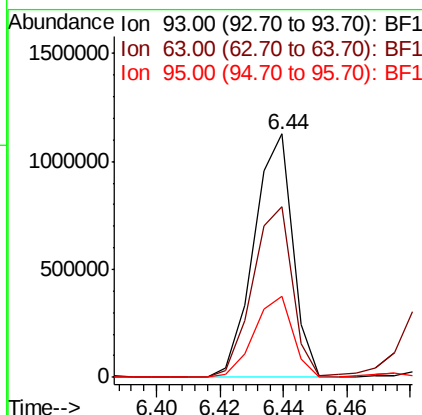
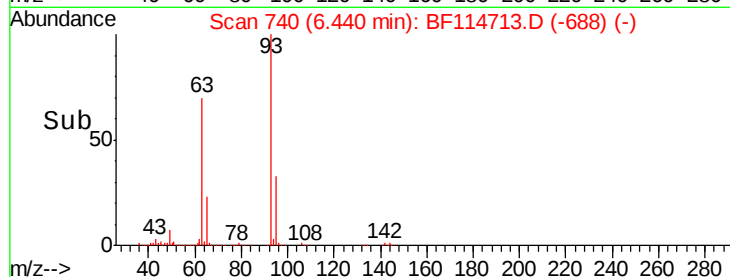
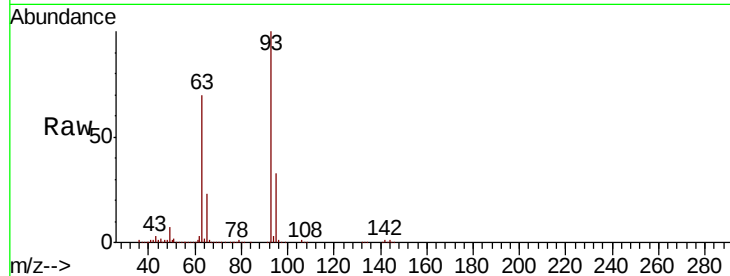
#11
bis(2-Chloroethyl)ether
Concen: 42.236 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	954042		
63	70.2		55.0	95.0
95	33.5		13.5	53.5

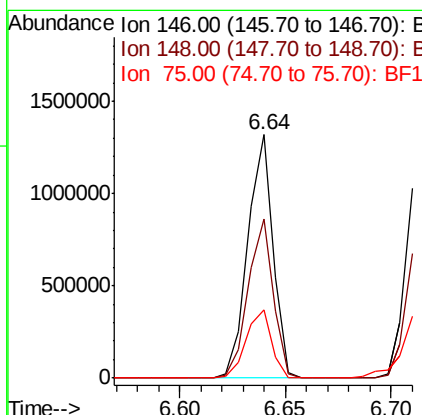
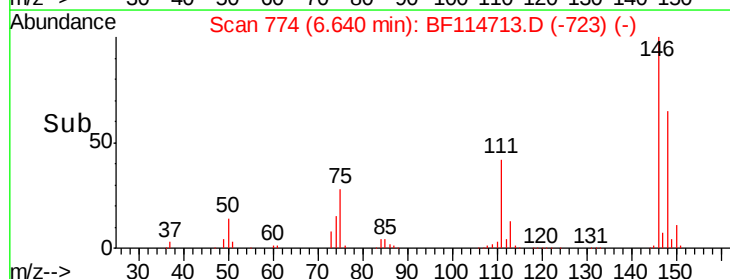
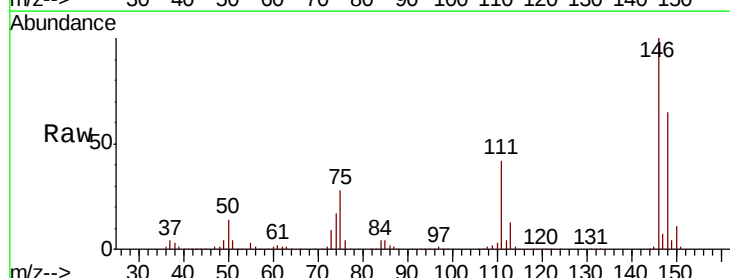
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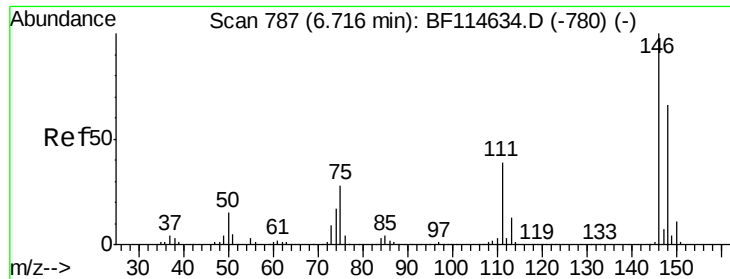
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#12
1,3-Dichlorobenzene
Concen: 40.951 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	1093054		
148	65.2		52.9	79.3
75	28.2		22.0	33.0





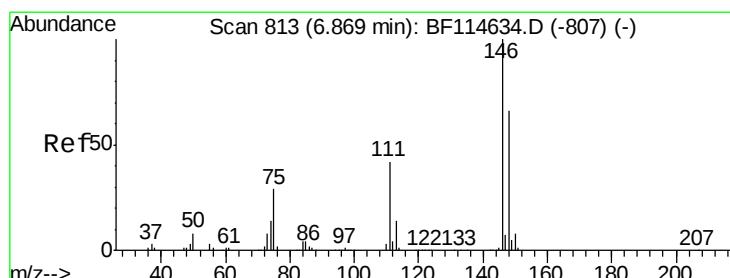
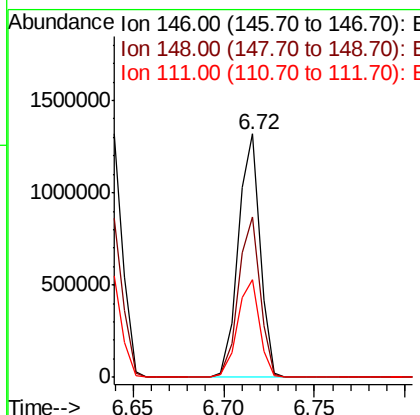
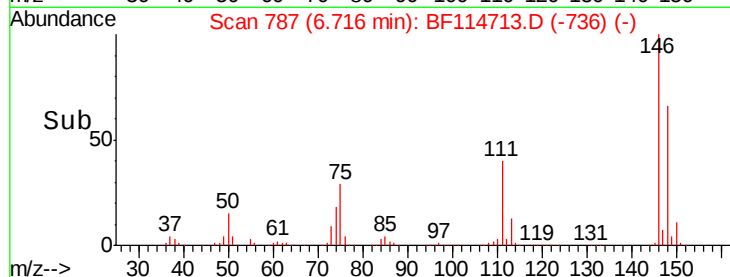
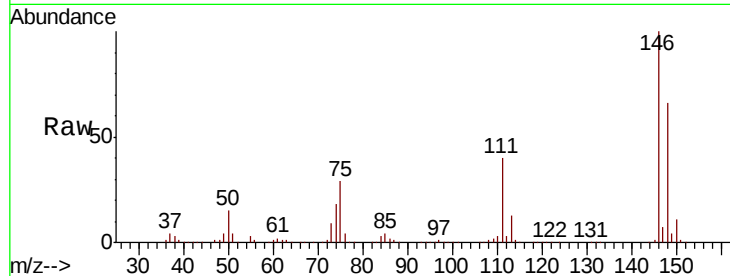
#13
 1,4-Dichlorobenzene
 Concen: 41.046 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ion	Ratio	Lower	Upper
1099093	146	100		
	148	66.1	52.5	78.7
	111	40.1	31.4	47.2

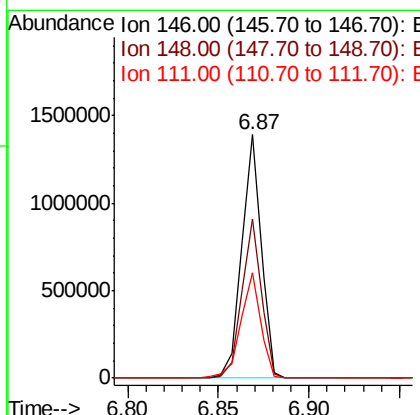
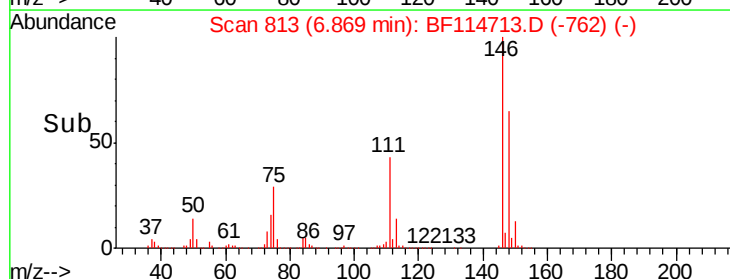
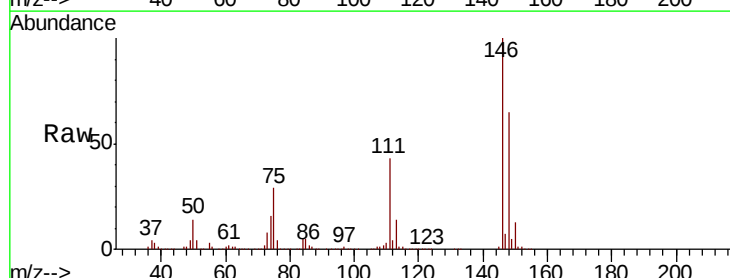
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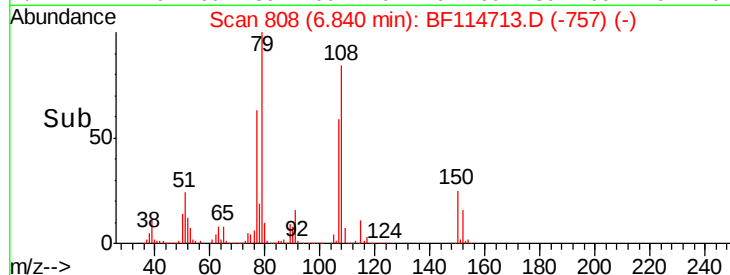
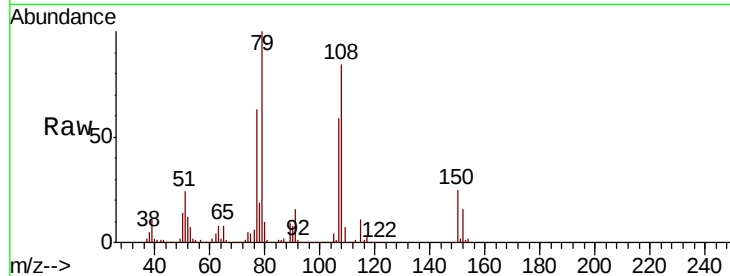
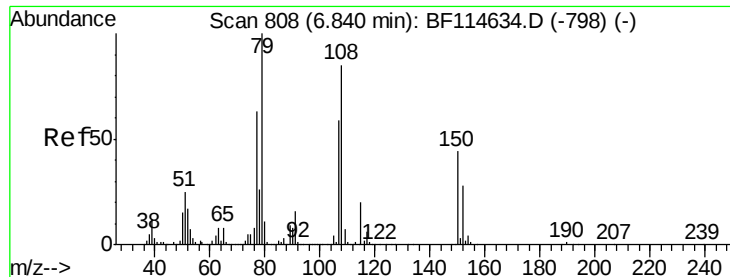
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#14
 1,2-Dichlorobenzene
 Concen: 42.685 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
1040585	146	100		
	148	65.3	52.6	79.0
	111	43.1	34.1	51.1





#15

Benzyl Alcohol

Concen: 45.125 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tot Ion:	79	Resp:	867729
Ion	Ratio	Lower	Upper
79	100		
108	83.8	67.8	101.8
77	63.1	50.7	76.1

Instrument :

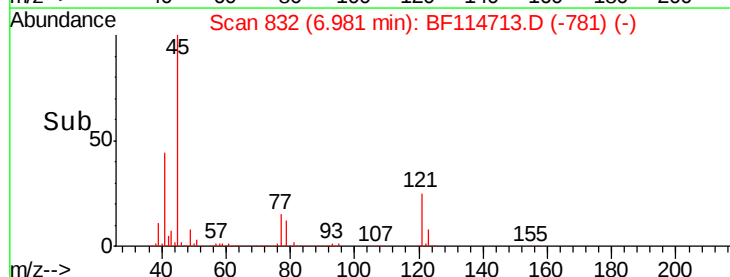
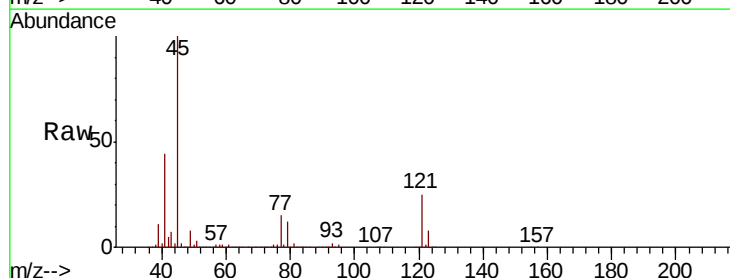
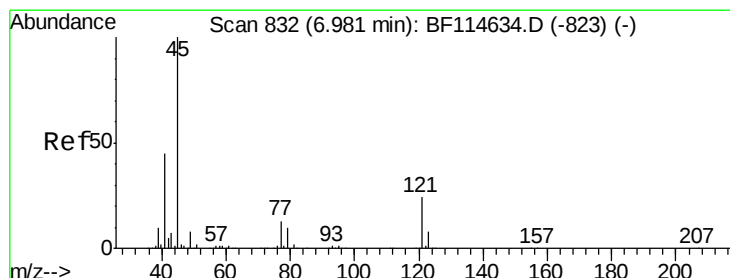
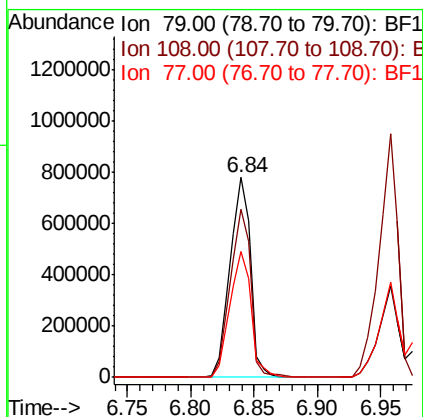
BNA_F

ClientSampleId :

FESB-27(3.5-4)MSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.572 ng

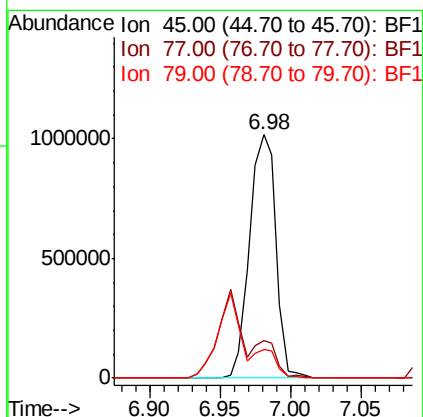
RT: 6.98 min Scan# 832

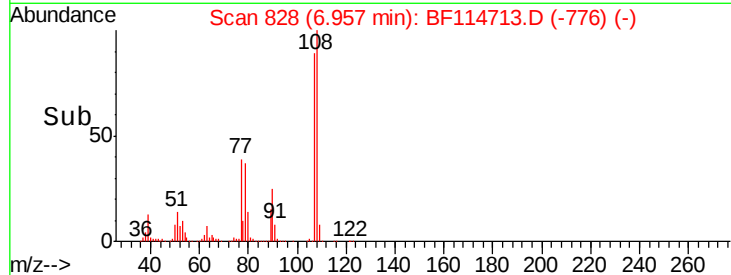
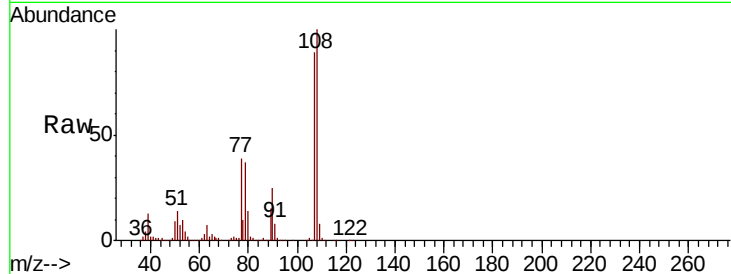
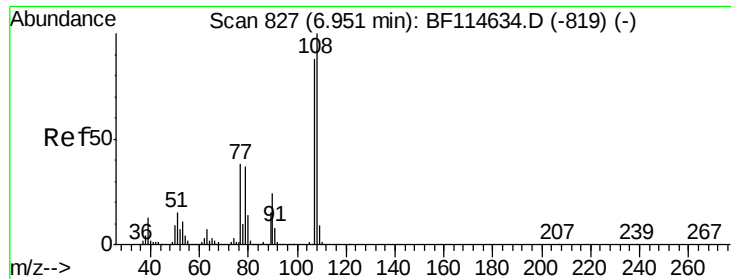
Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

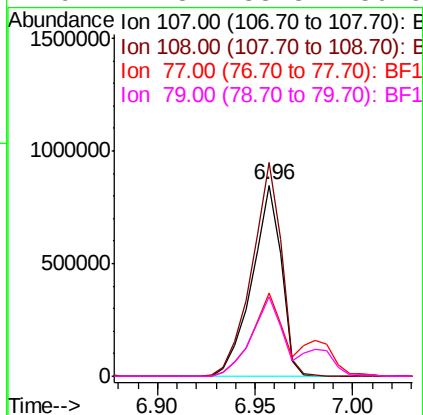
Tgt Ion:	45	Resp:	1336370
Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	34.7
79	11.9	0.0	31.3





#17
2-Methylphenol
Concen: 44.556 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

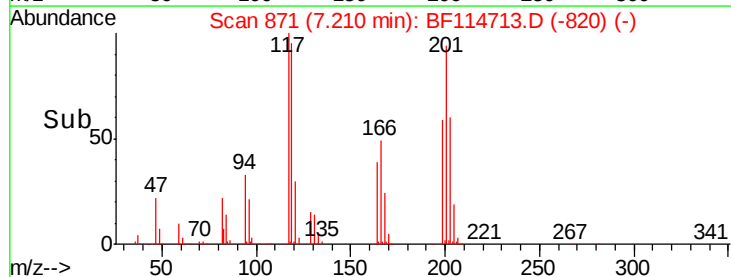
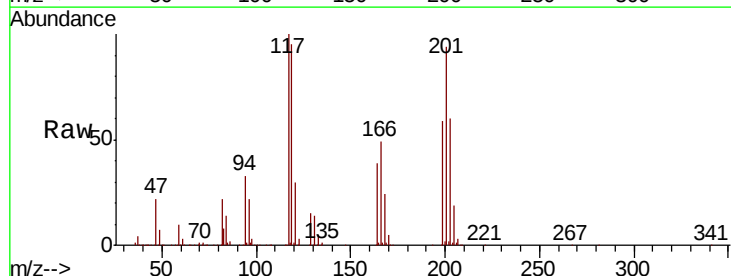
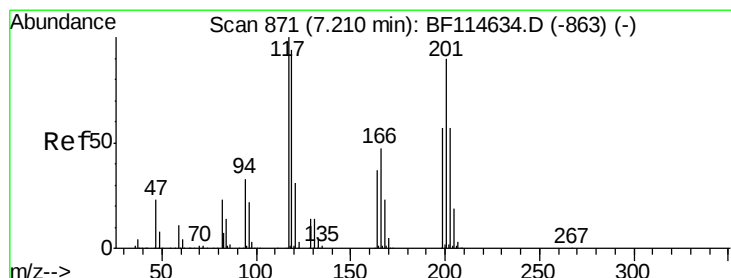
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.9	91.1	136.7	
77	43.6	34.9	52.3	
79	41.8	33.8	50.6	



Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

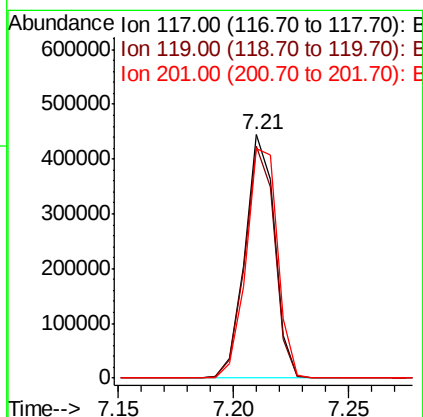
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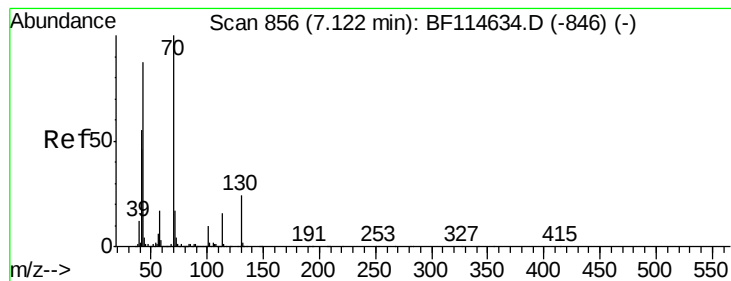
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#18
Hexachloroethane
Concen: 39.435 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.4	75.6	113.4	
201	94.3	71.7	107.5	





#19

n-Nitroso-di-n-propylamine

Concen: 39.906 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

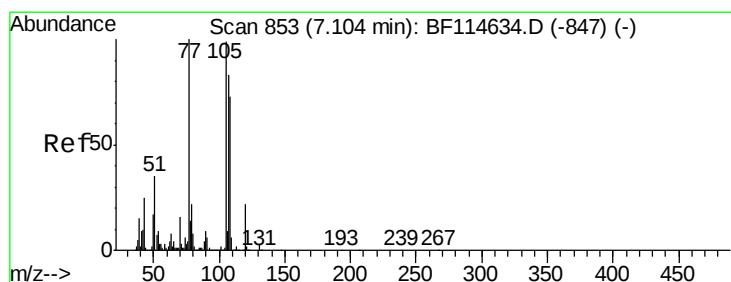
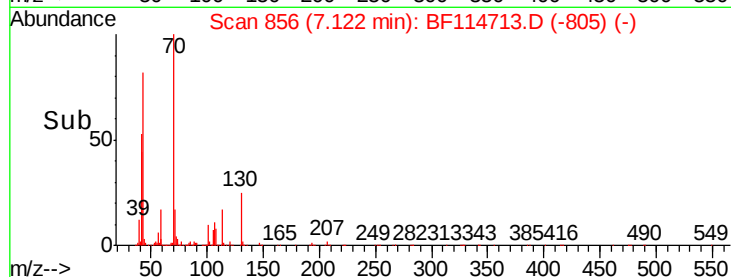
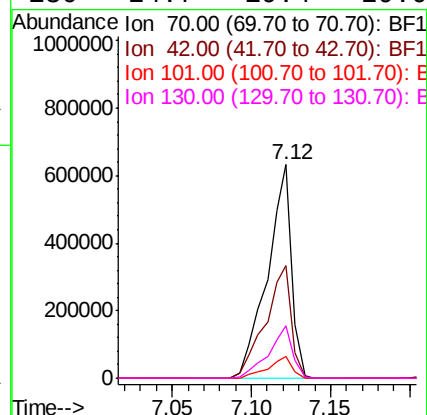
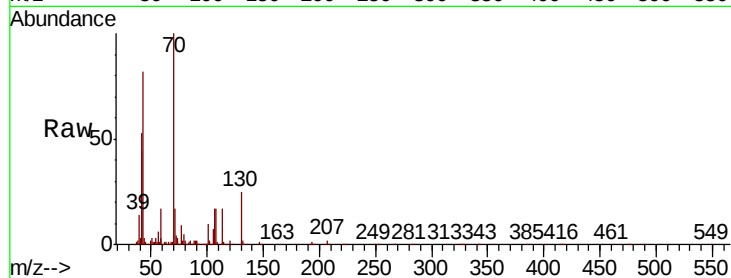
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.6	44.4	66.6	
101	10.2	8.2	12.4	
130	24.7	19.4	29.0	

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#20

3+4-Methylphenols

Concen: 42.844 ng

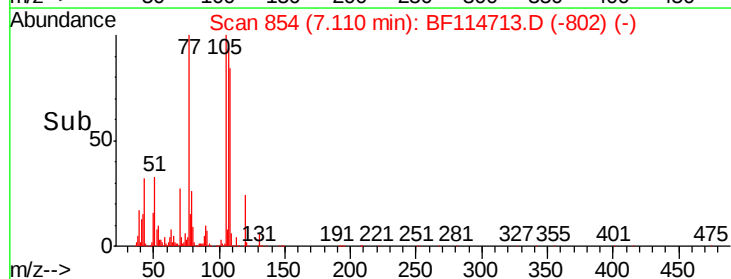
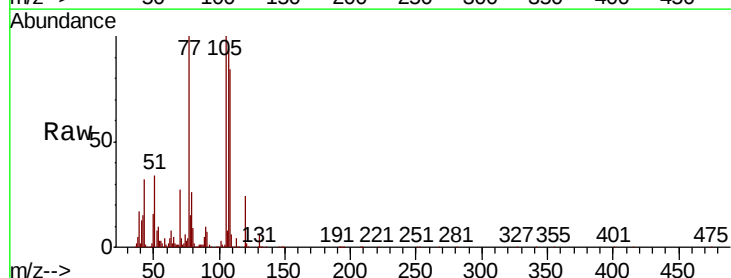
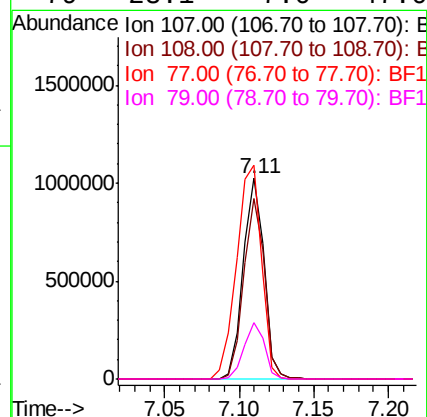
RT: 7.11 min Scan# 854

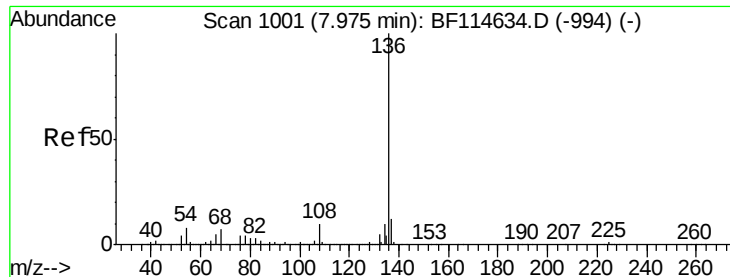
Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.0	68.6	108.6	
77	106.6	100.5	140.5	
79	28.1	7.0	47.0	





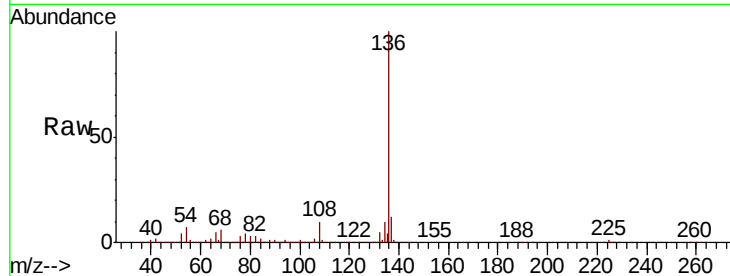
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1362759		
137	11.7	9.3	13.9		
54	7.3	6.3	9.5		
68	6.2	5.4	8.0		

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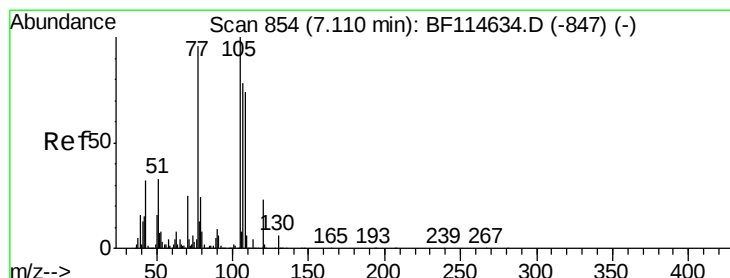
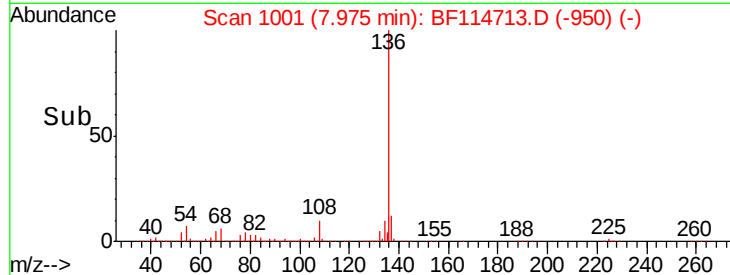
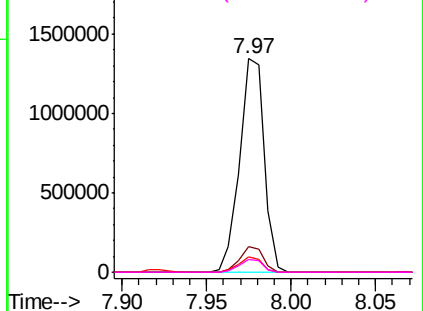
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 46.401 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		1347307		
71	3.3	3.6	5.4#		
51	32.1	26.0	39.0		
120	23.6	18.8	28.2		

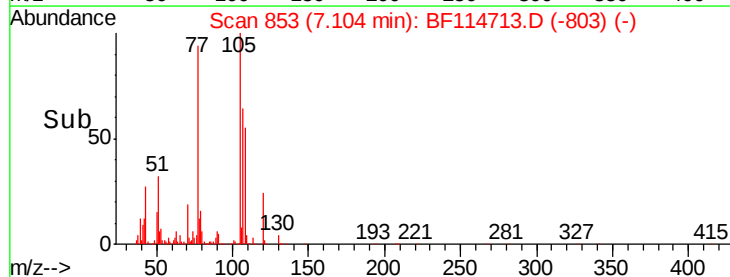
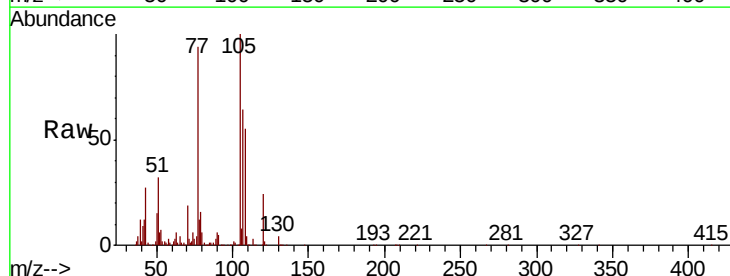
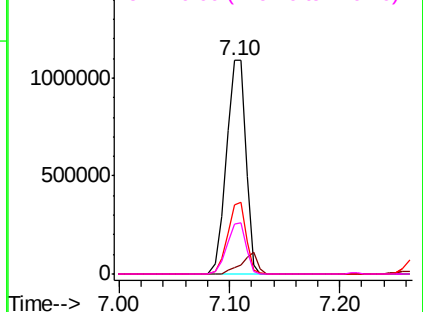
Abundance

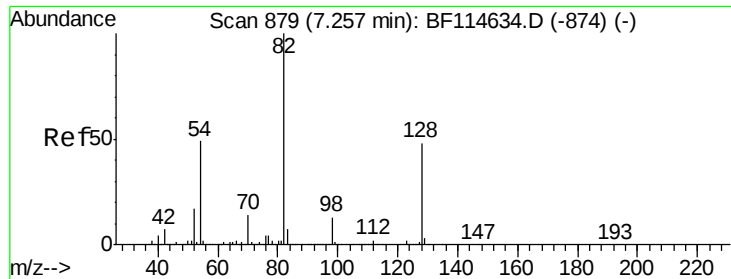
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





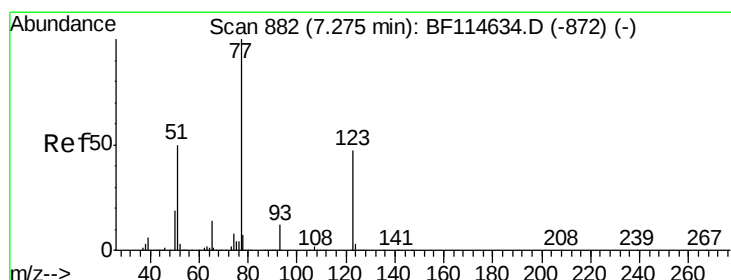
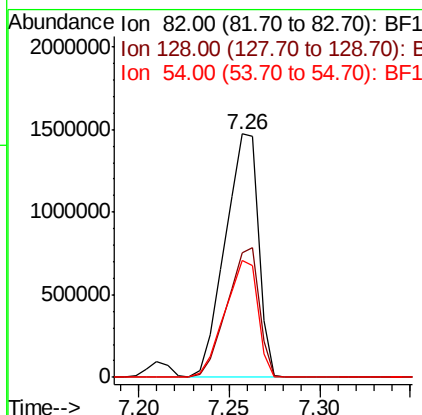
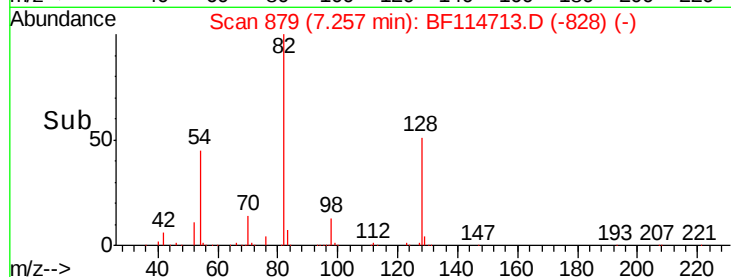
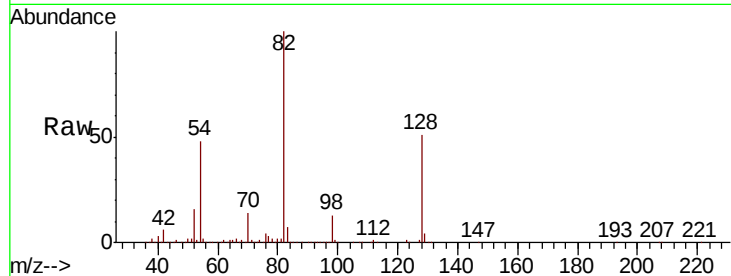
#23
 Nitrobenzene-d5
 Concen: 86.290 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.0	38.5	57.7
54	47.8	39.1	58.7

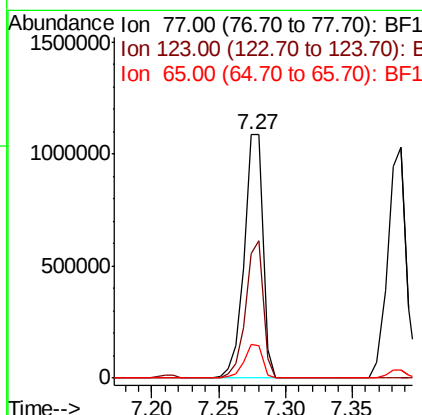
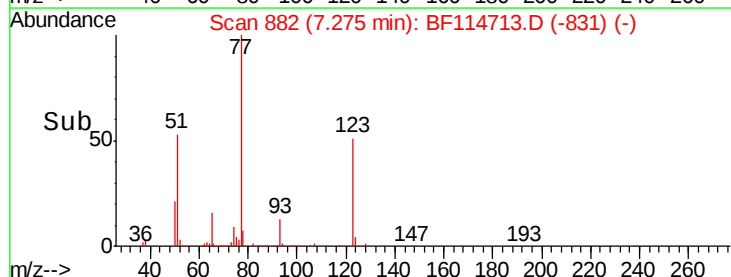
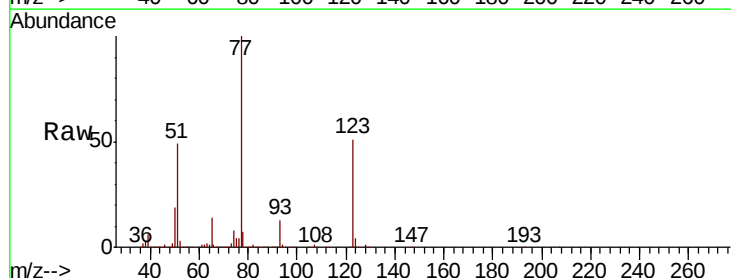
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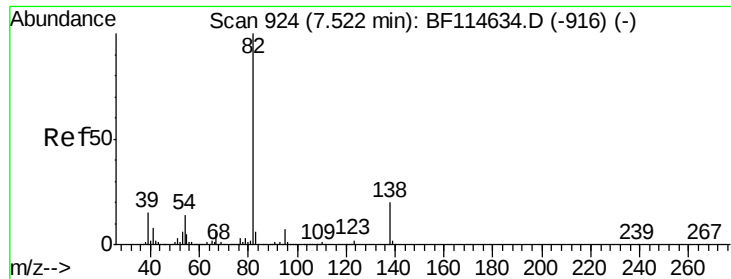
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#24
 Nitrobenzene
 Concen: 45.502 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.9	38.5	57.7
65	13.8	11.2	16.8





#25

Isophorone

Concen: 44.157 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion: 82 Resp: 1935654

Ion Ratio Lower Upper

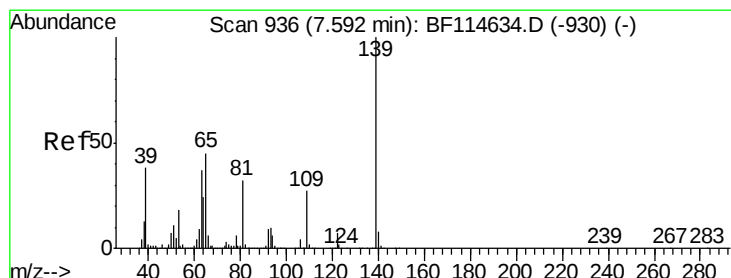
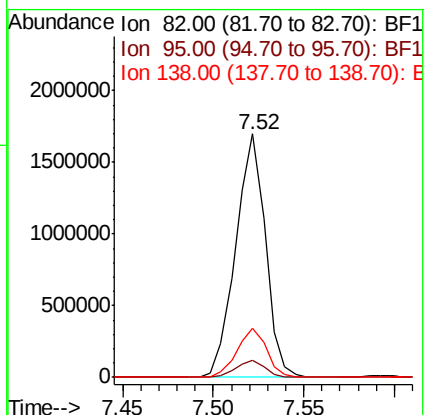
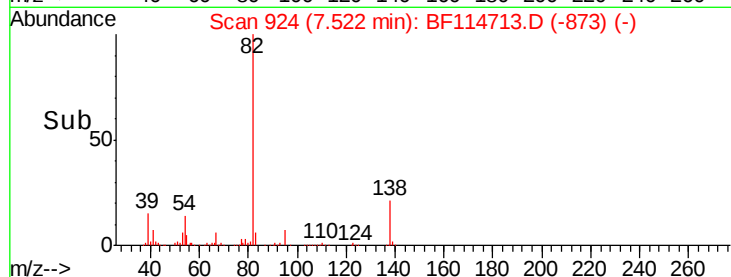
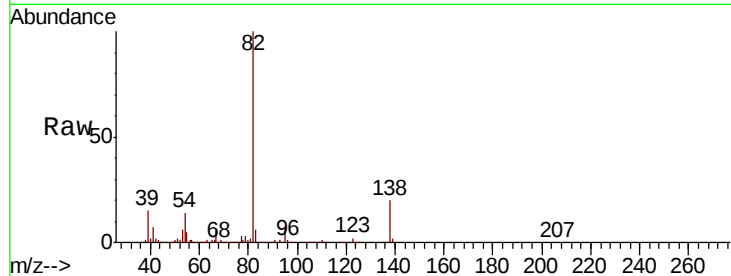
82 100

95 7.2 5.6 8.4

138 20.4 15.9 23.9

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#26

2-Nitrophenol

Concen: 51.535 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

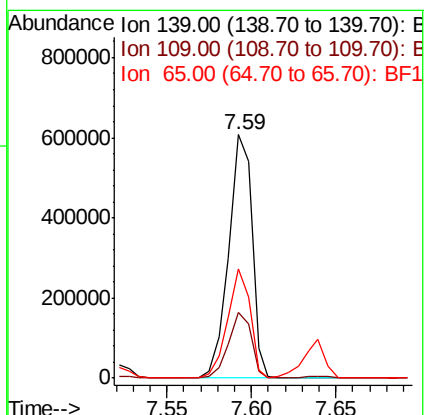
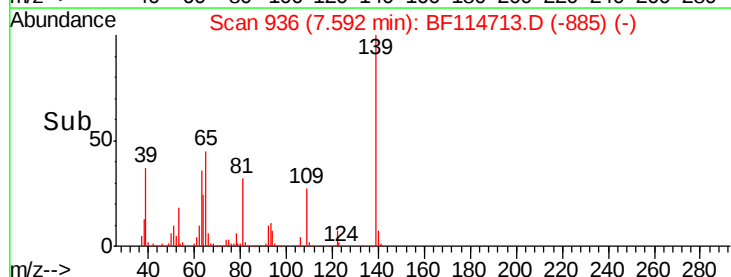
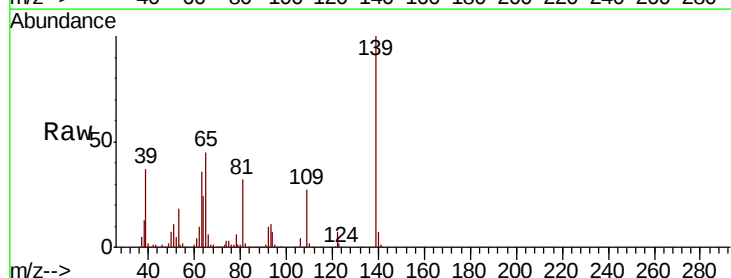
Tgt Ion: 139 Resp: 582055

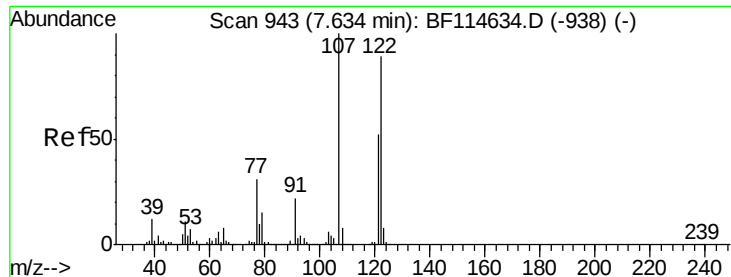
Ion Ratio Lower Upper

139 100

109 27.0 21.7 32.5

65 44.9 36.3 54.5





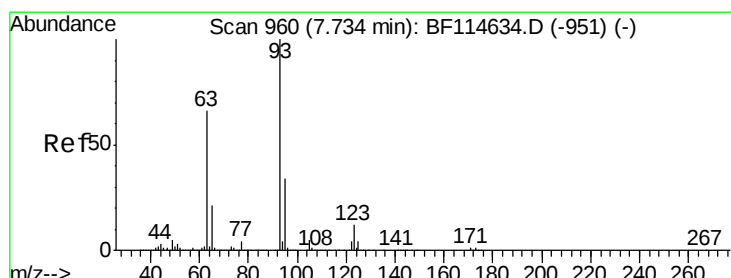
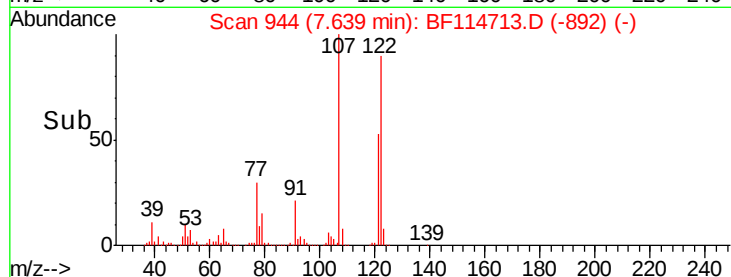
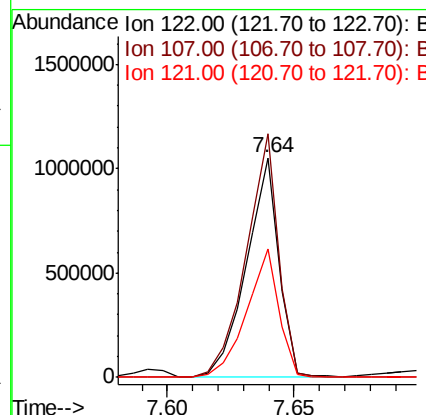
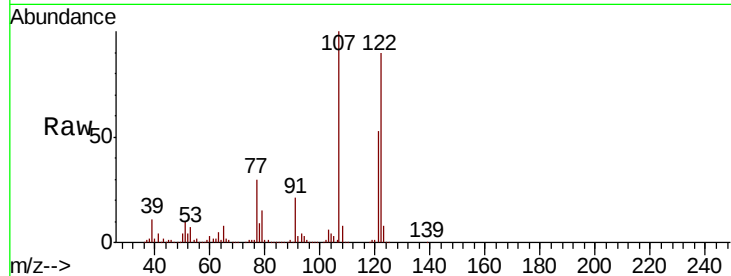
#27
2,4-Dimethylphenol
Concen: 49.967 ng
RT: 7.64 min Scan# 944
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.3	133.9
121	58.4	46.8	70.2

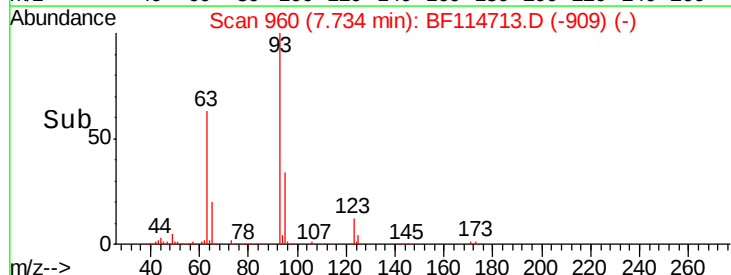
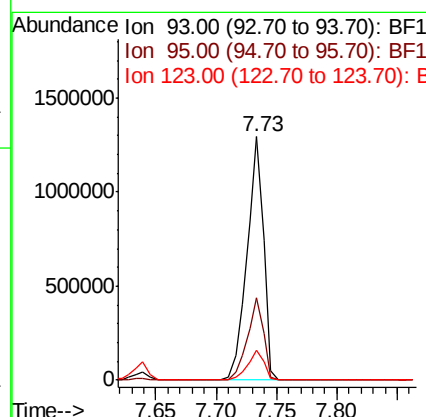
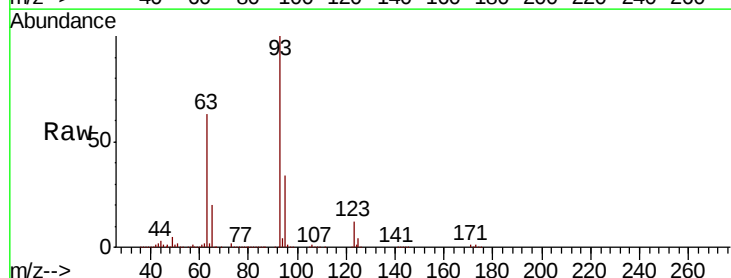
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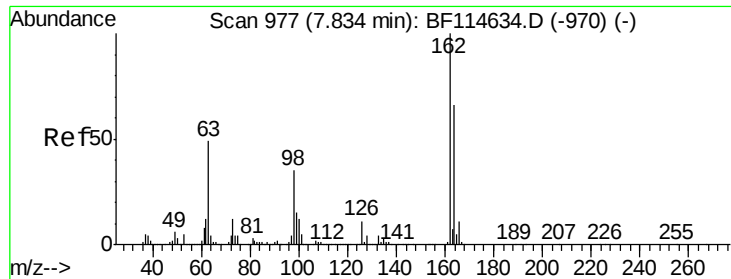
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 44.164 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.7	27.0	40.4
123	12.3	10.2	15.2





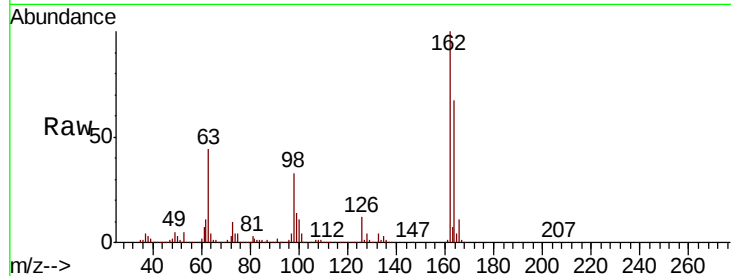
#29
2,4-Dichlorophenol
Concen: 47.783 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	913573		
164	67.1	45.8	85.8	
98	33.4	14.9	54.9	

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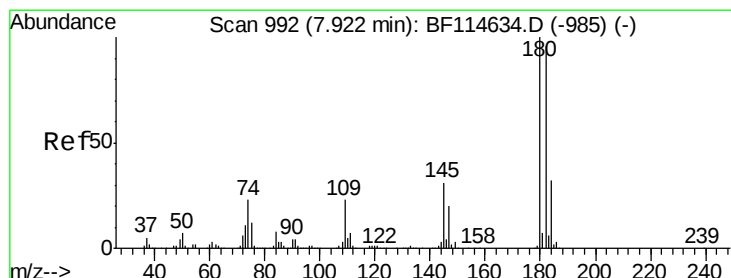
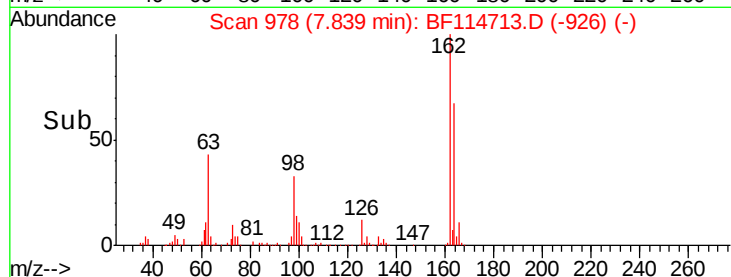
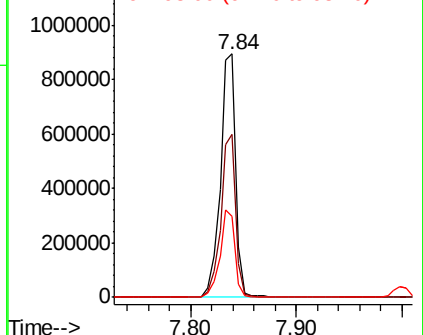


Abundance

Ion 162.00 (161.70 to 162.70): E

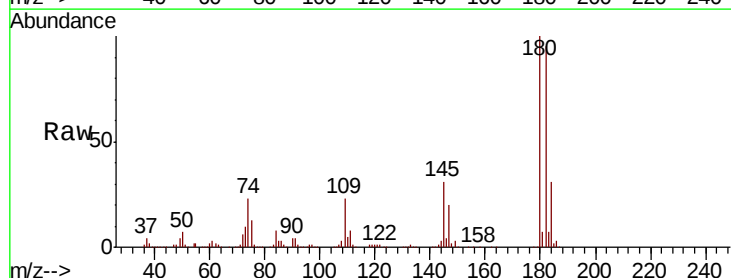
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 43.874 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	955703		
182	95.1	76.9	115.3	
145	30.6	24.5	36.7	

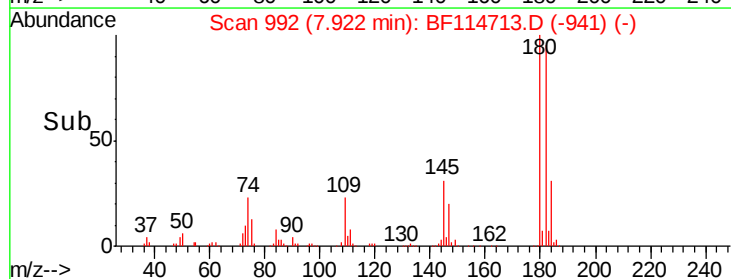
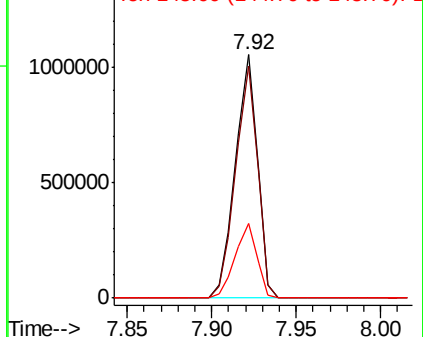


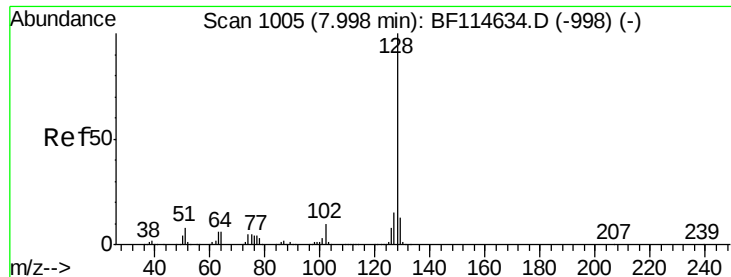
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





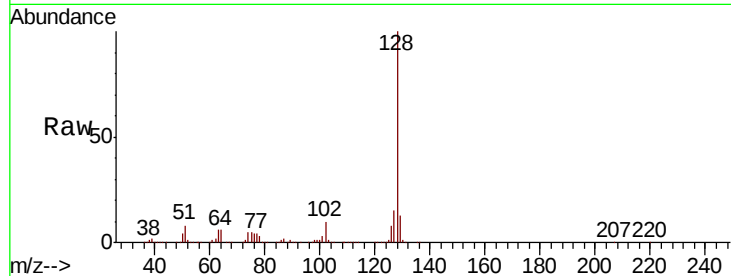
#31
Naphthalene
Concen: 44.511 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.2	15.2
127	14.6	11.9	17.9

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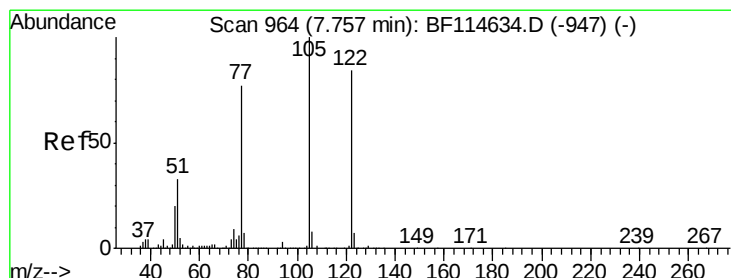
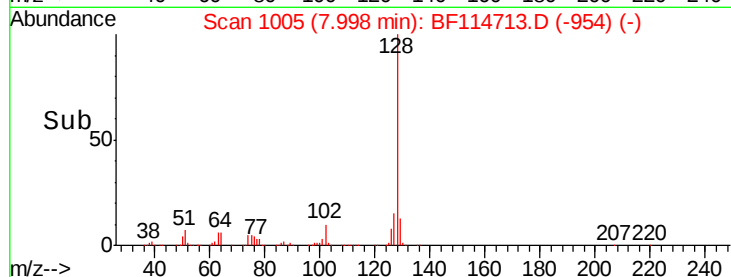
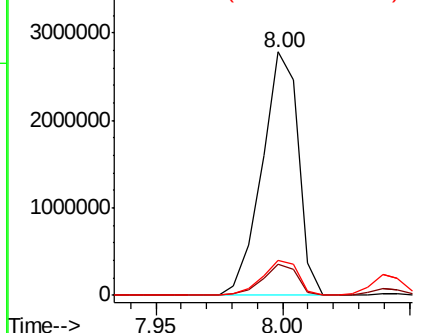


Abundance

Ion 128.00 (127.70 to 128.70): E

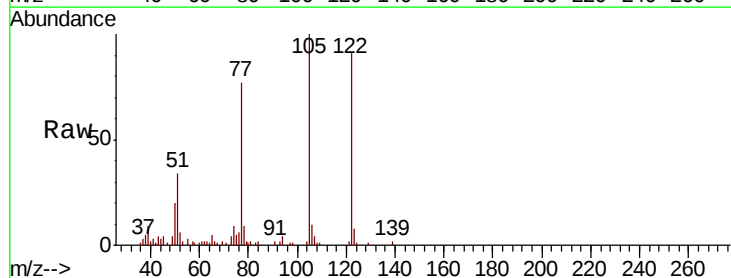
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 5.222 ng m
RT: 7.70 min Scan# 954
Delta R.T. -0.06 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
122	100		
105	109.9	98.3	138.3
77	85.2	70.7	110.7

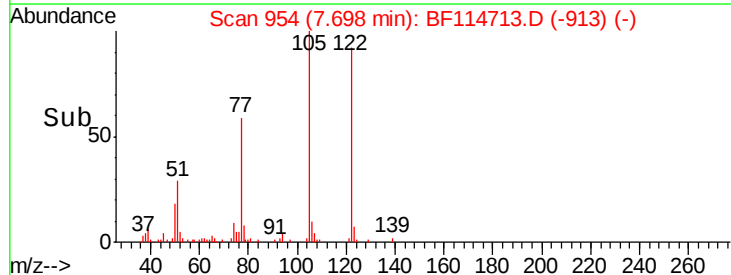
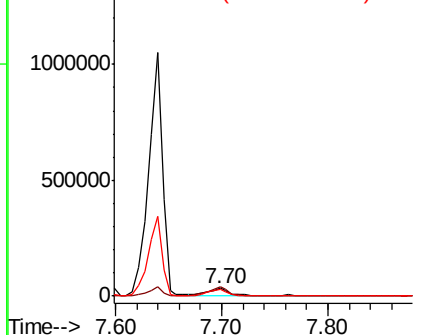


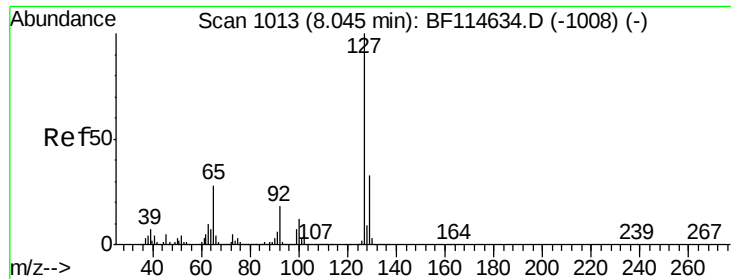
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





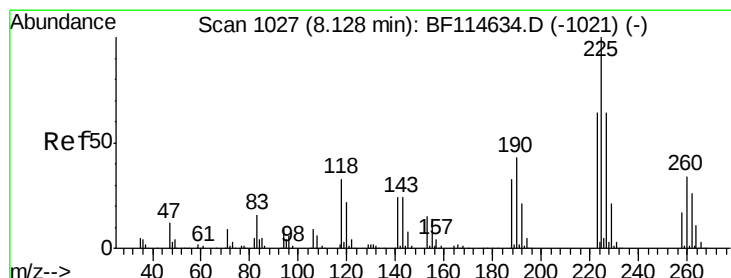
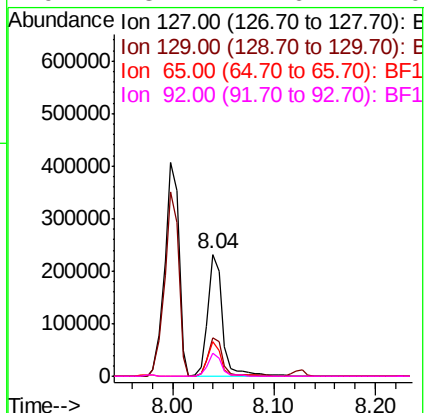
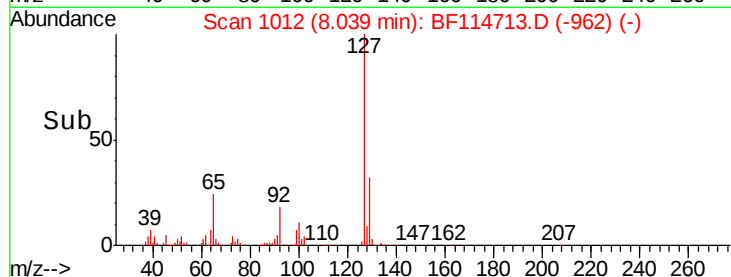
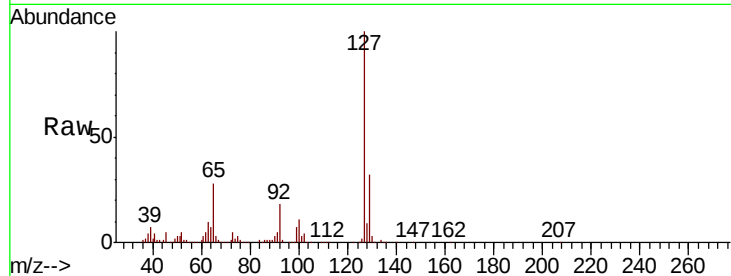
#33
4-Chloroaniline
Concen: 7.828 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.5	26.7	40.1		
65	27.9	22.5	33.7		
92	18.4	14.6	22.0		

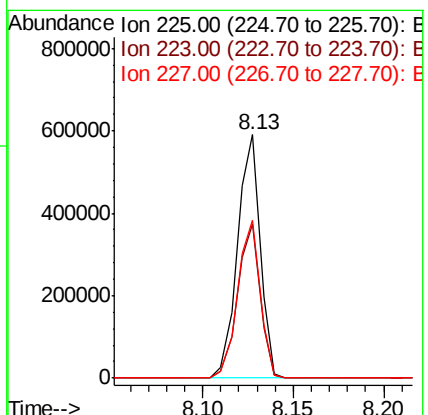
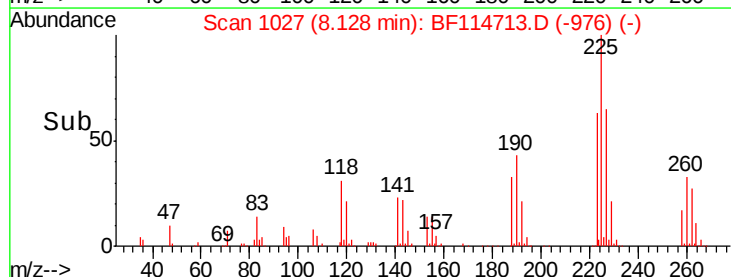
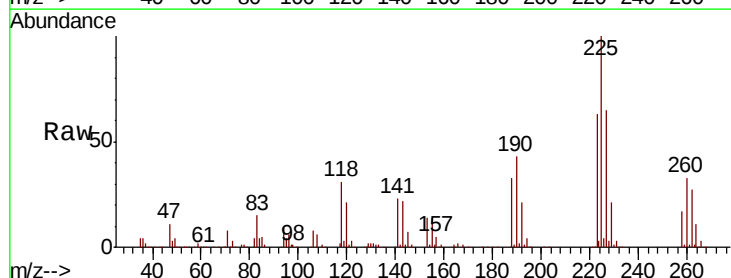
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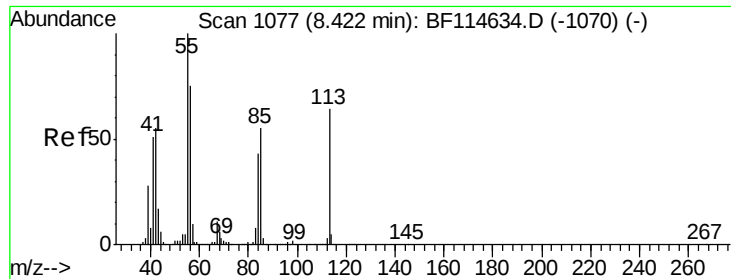
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#34
Hexachlorobutadiene
Concen: 42.456 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.3	50.9	76.3		
227	64.9	51.3	76.9		





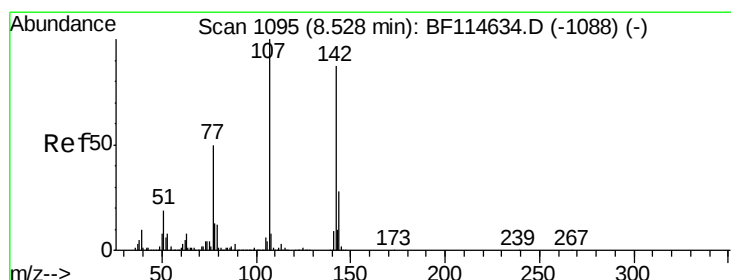
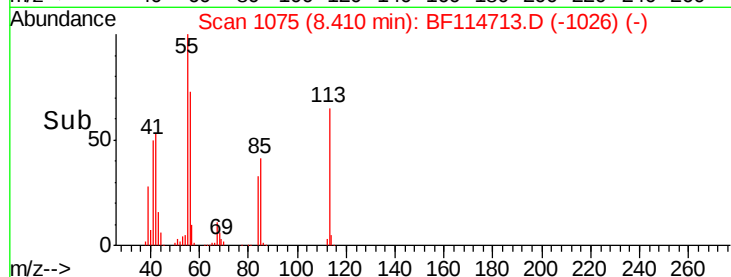
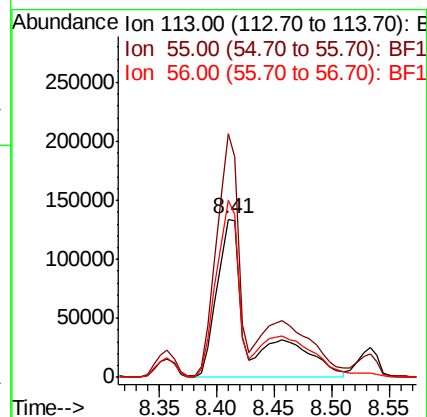
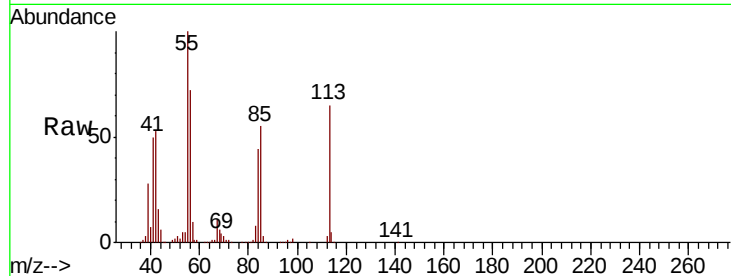
#35
 Caprolactam
 Concen: 43.188 ng/ml
 RT: 8.41 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	154.2	136.4	176.4
56	111.8	97.0	137.0

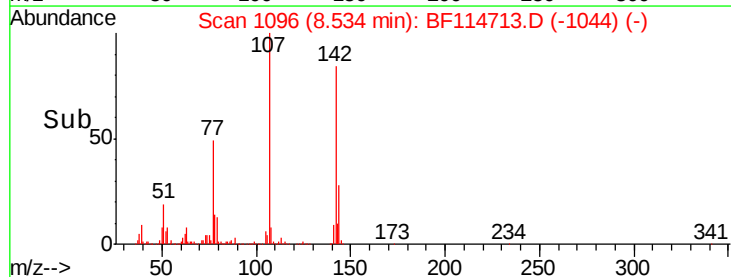
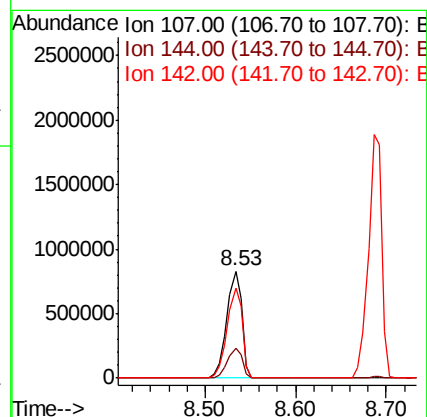
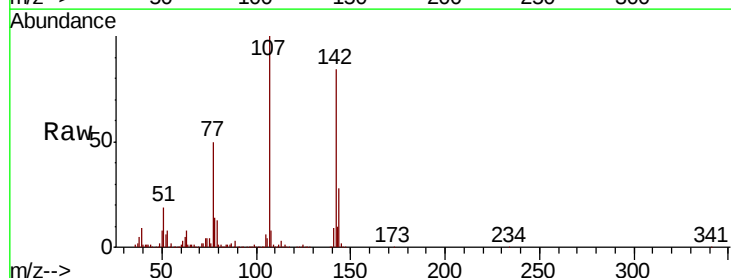
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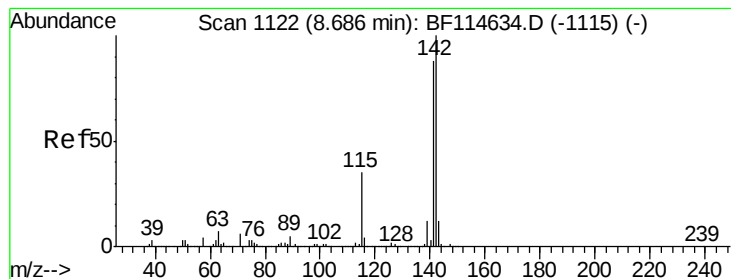
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#36
 4-Chloro-3-methylphenol
 Concen: 49.449 ng/ml
 RT: 8.53 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.8	22.5	33.7
142	84.4	69.8	104.6





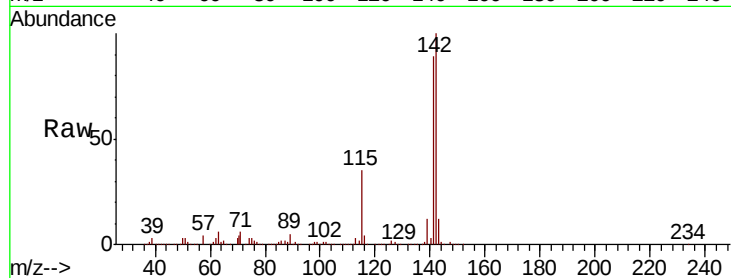
#37
2-Methylnaphthalene
Concen: 46.716 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	35.0	28.0	42.0

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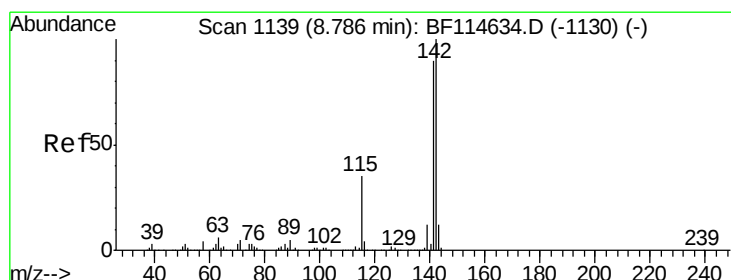
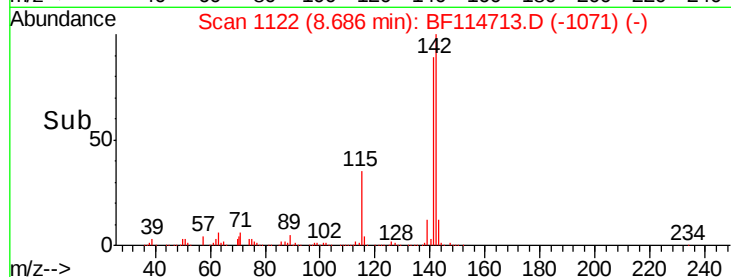
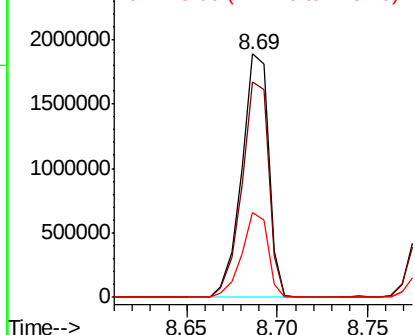


Abundance

Ion 142.00 (141.70 to 142.70): E

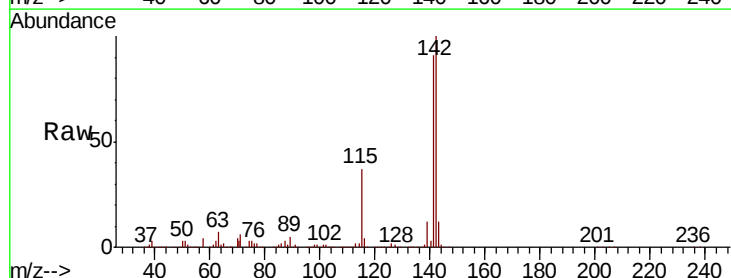
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 46.457 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.3	108.5
116	3.8	3.0	4.4

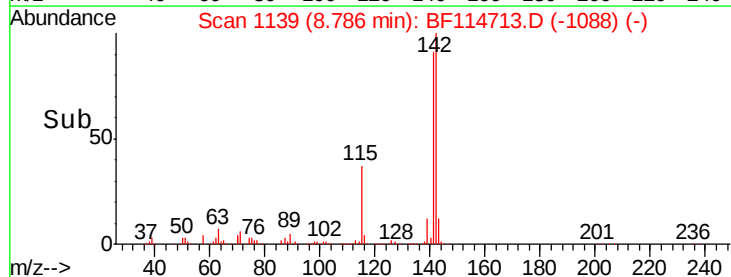
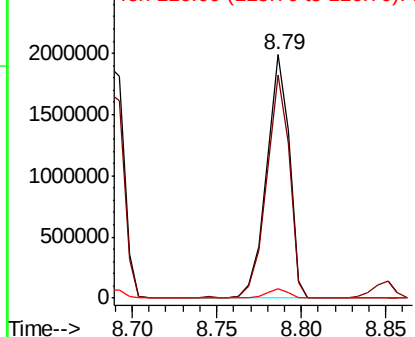


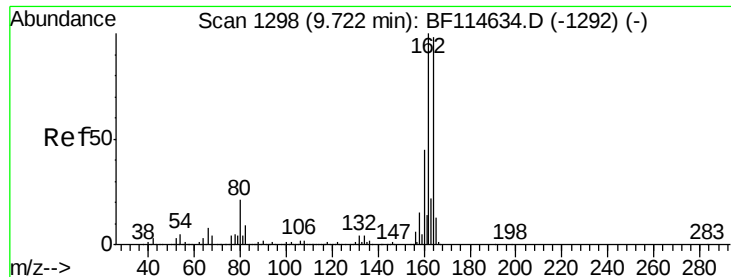
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





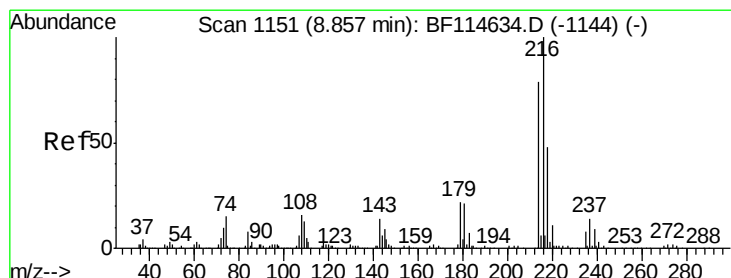
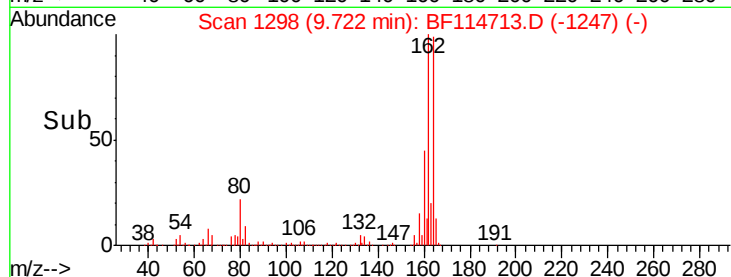
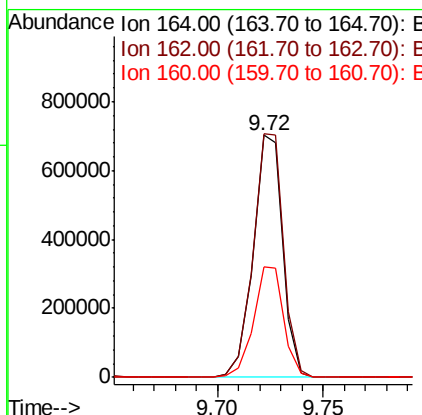
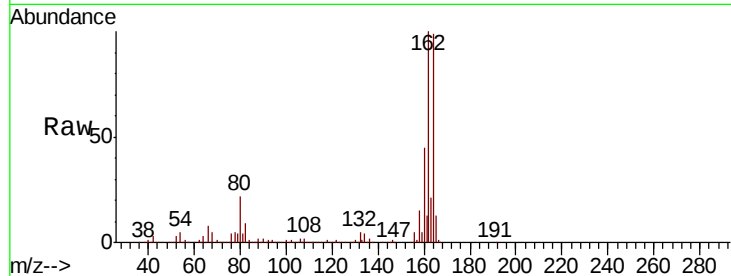
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	681602		
162	100.6		81.4	122.2
160	45.5		36.6	54.8

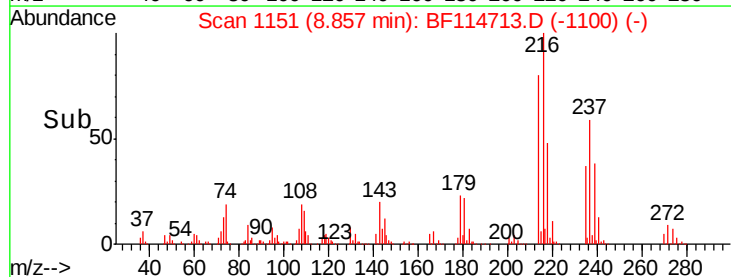
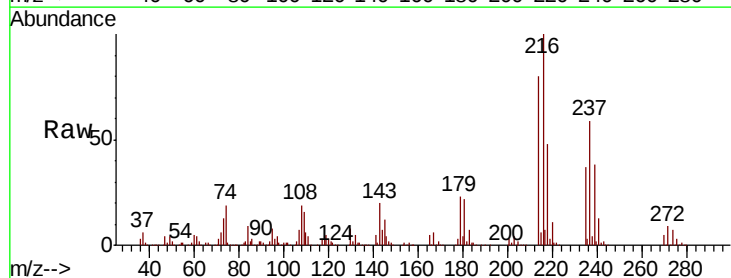
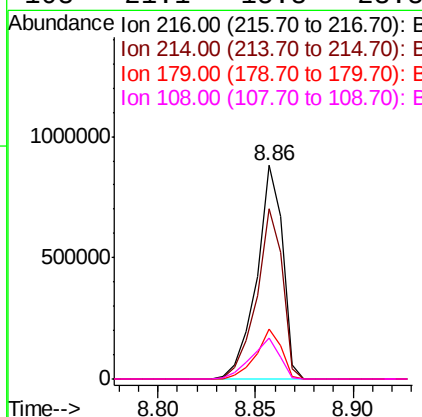
Manual Integrations
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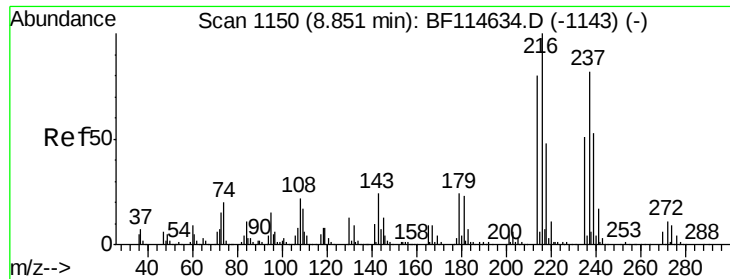
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.644 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	810361		
214	79.6		63.2	94.8
179	22.6		17.9	26.9
108	21.1		15.8	23.8





#41

Hexachlorocyclopentadiene

Concen: 82.156 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

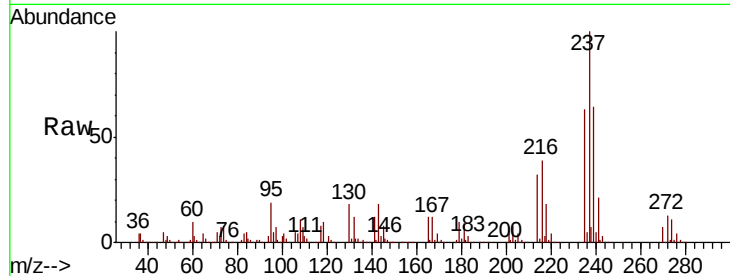
ClientSampleId :

FESB-27(3.5-4)MSD

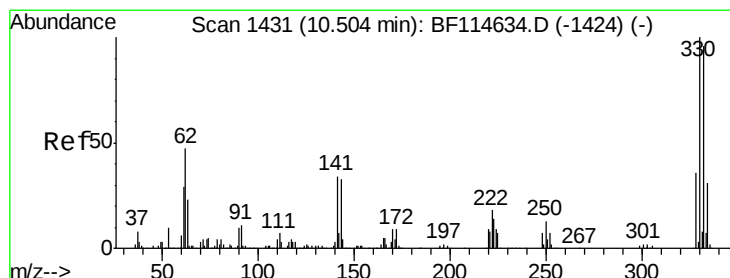
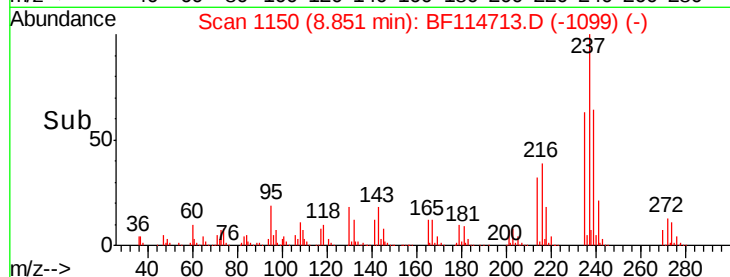
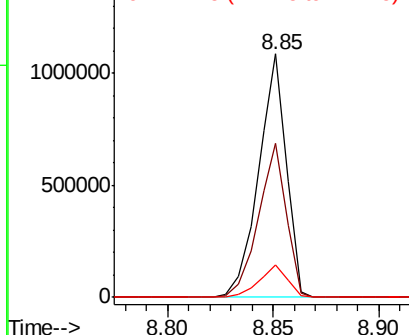
Tot Ion:	237	Resp:	985458
Ion Ratio	Lower	Upper	
237	100		
235	63.2	42.8	82.8
272	13.2	0.0	33.7

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 135.680 ng

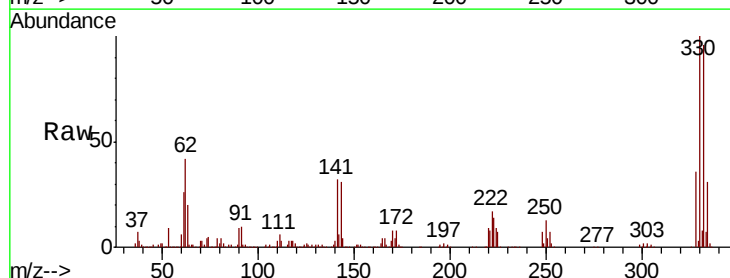
RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

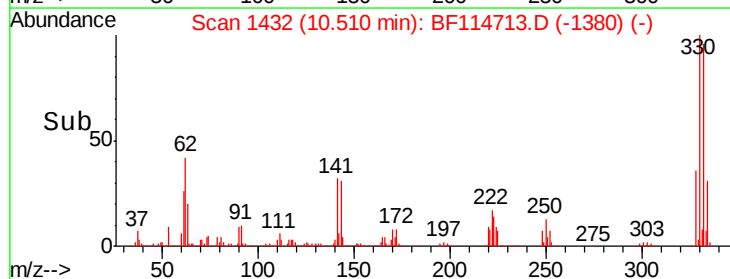
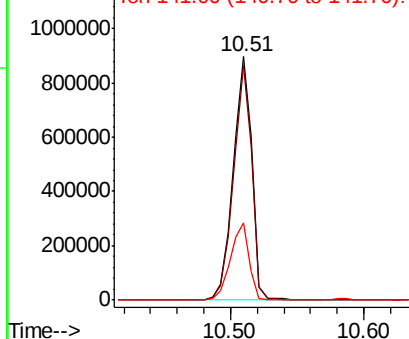
Lab File: BF114713.D

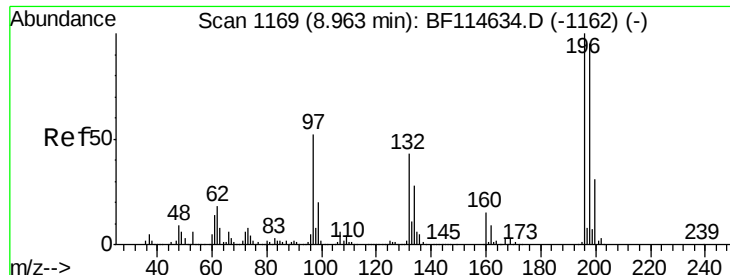
Acq: 31 May 2019 17:24

Tgt Ion:	330	Resp:	881184
Ion Ratio	Lower	Upper	
330	100		
332	95.3	75.8	113.8
141	32.0	27.8	41.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





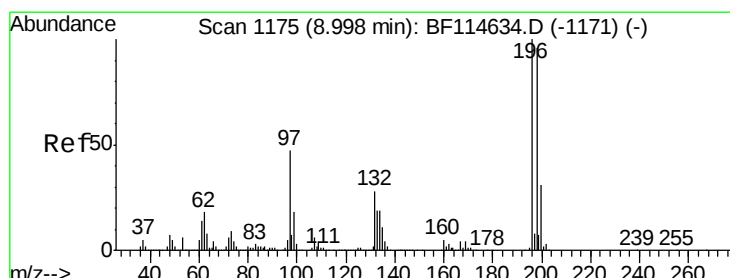
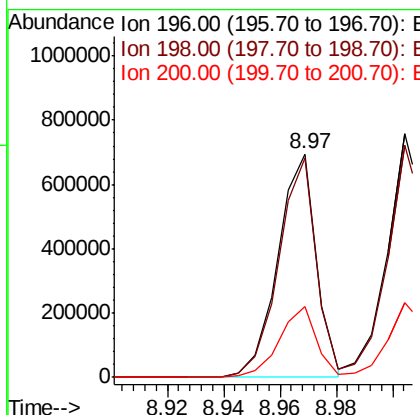
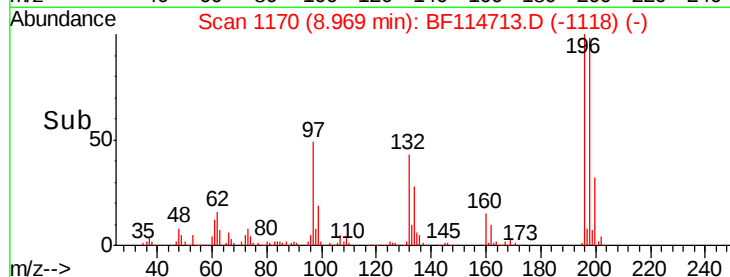
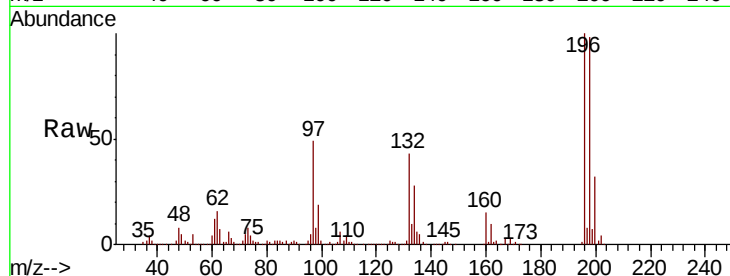
#43
 2,4,6-Trichlorophenol
 Concen: 45.844 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	654754		
198	97.8	76.1	114.1	
200	31.7	24.7	37.1	

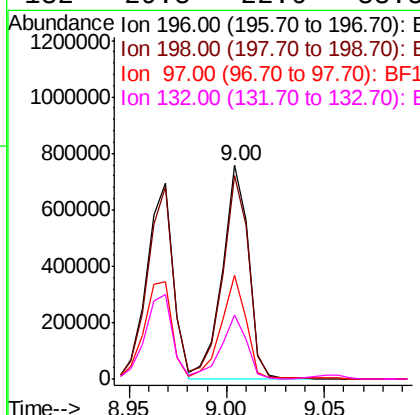
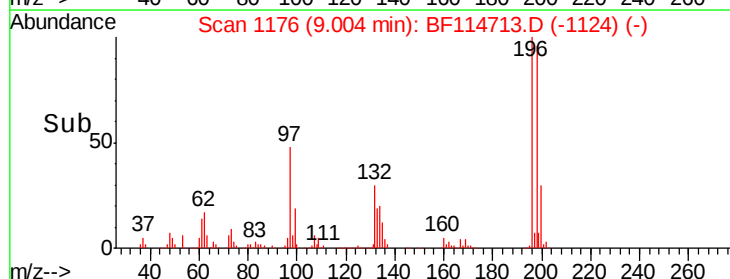
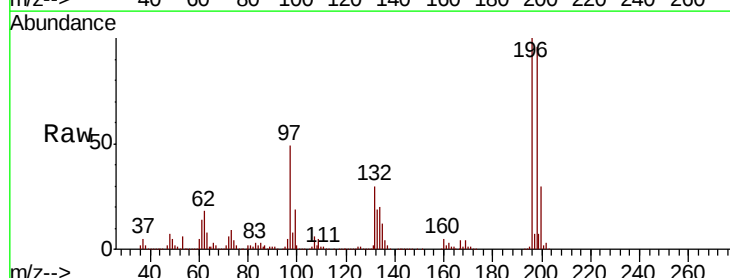
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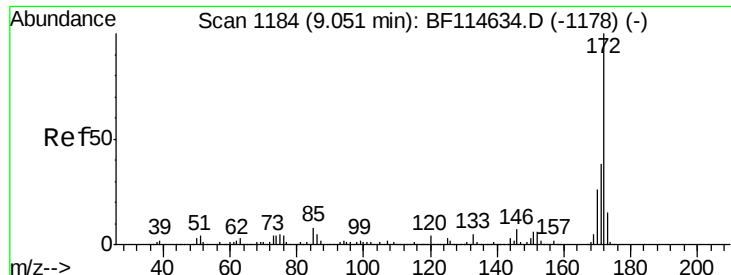
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#44
 2,4,5-Trichlorophenol
 Concen: 49.258 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	702035		
198	95.5	76.8	115.2	
97	48.6	37.8	56.8	
132	29.8	22.6	33.8	





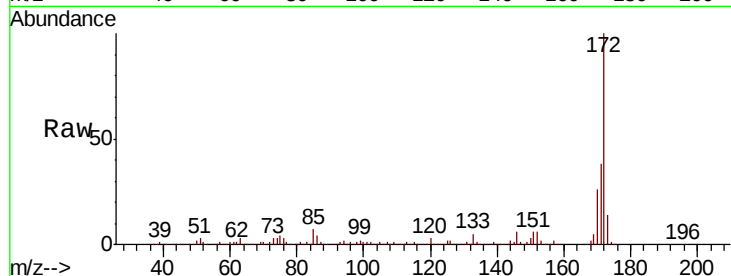
#45
2-Fluorobiphenyl
Concen: 84.188 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.6	45.8
170	26.3	20.7	31.1

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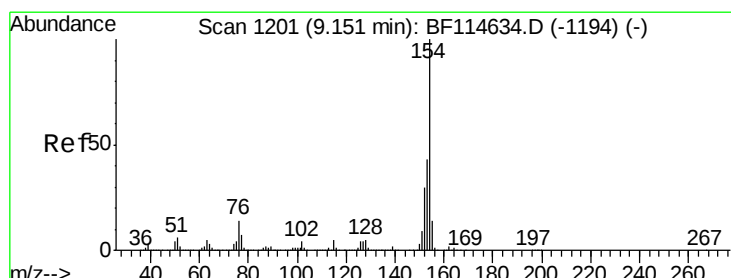
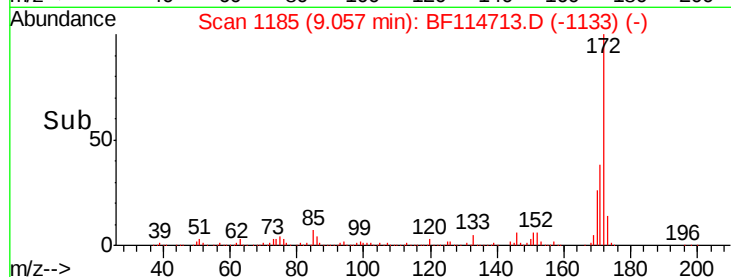
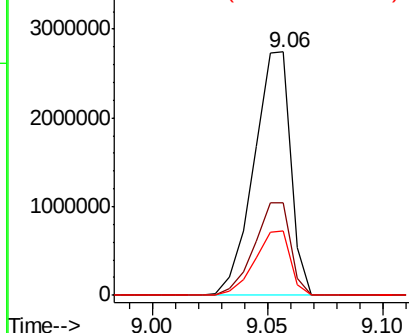


Abundance

Ion 172.00 (171.70 to 172.70): E

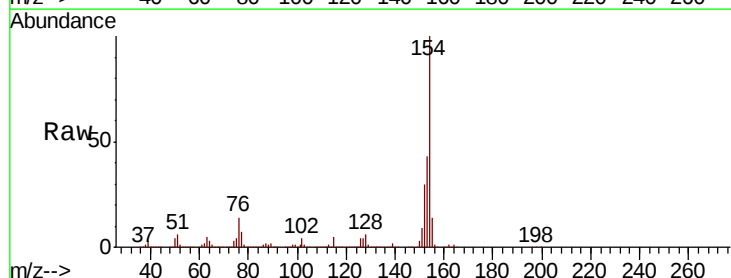
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.285 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.3	23.0	63.0
76	14.0	0.0	33.9

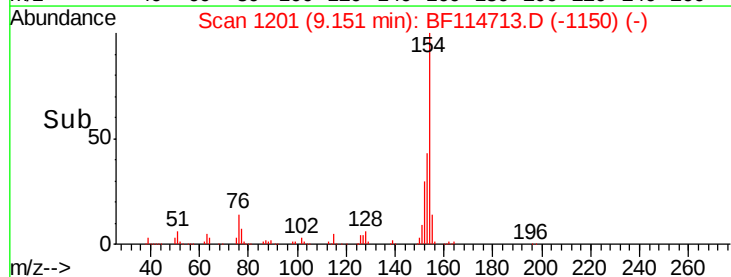
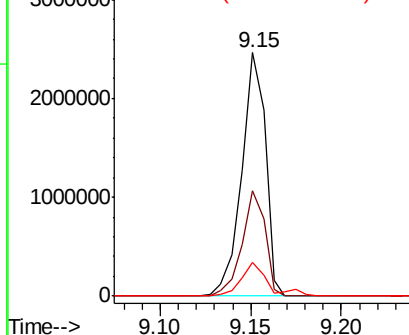


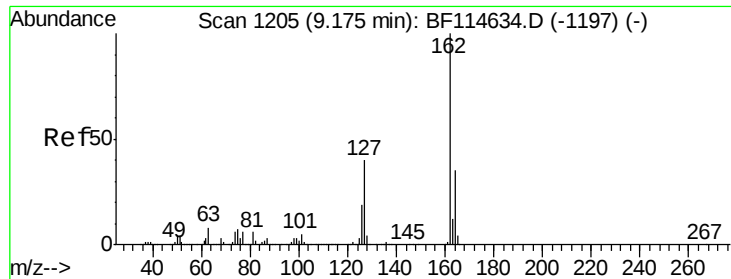
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





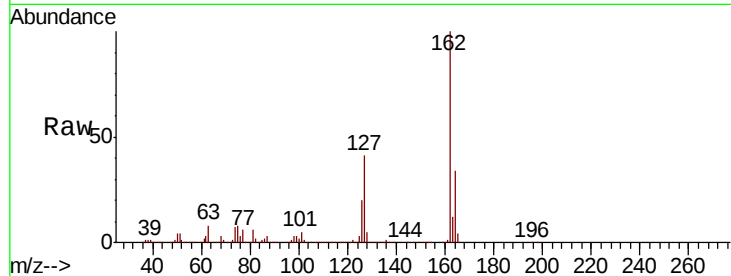
#47
2-Chloronaphthalene
Concen: 44.566 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.2	48.2
164	34.4	27.8	41.6

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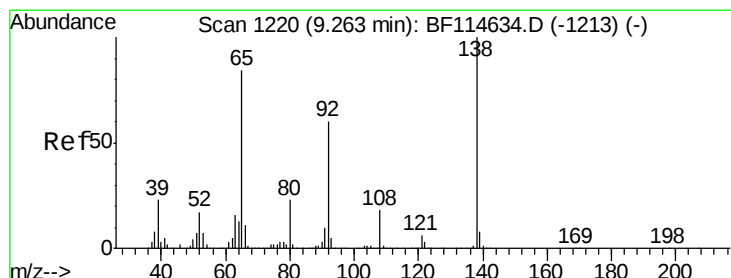
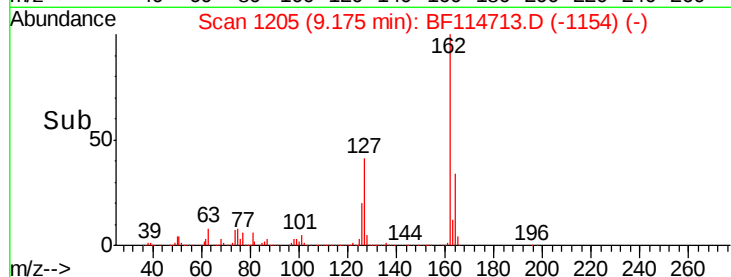
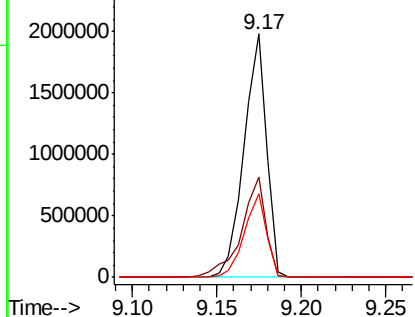


Abundance

Ion 162.00 (161.70 to 162.70): E

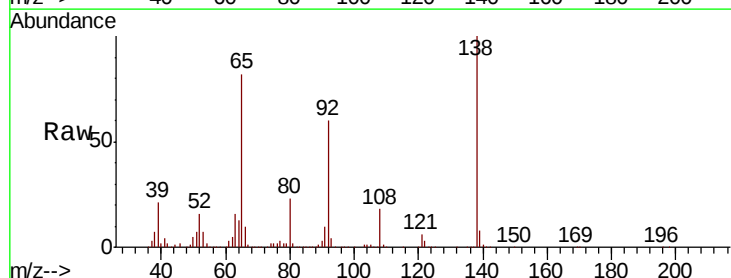
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 45.274 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.7	57.1	85.7
138	122.1	95.8	143.6

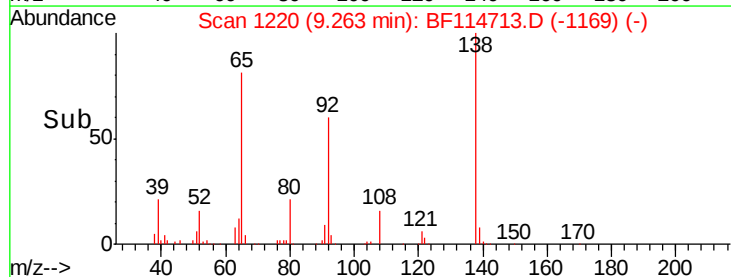
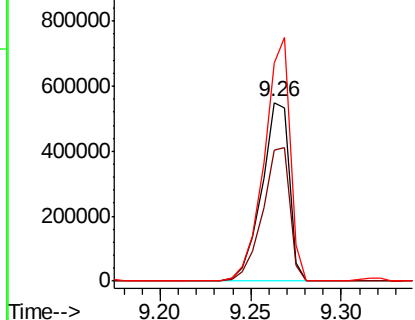


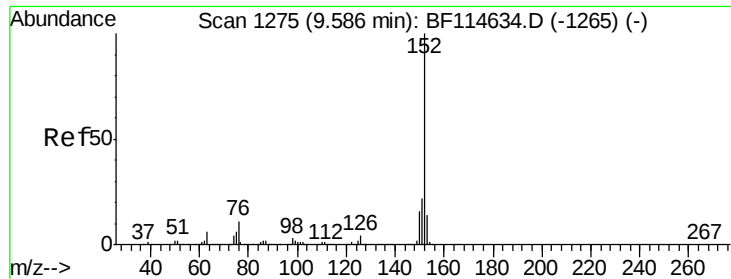
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





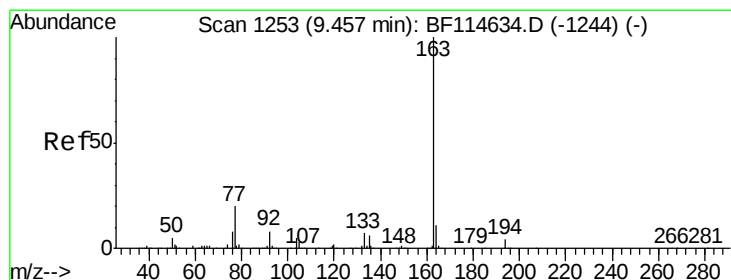
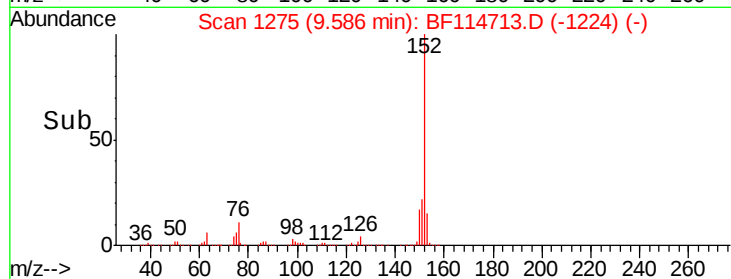
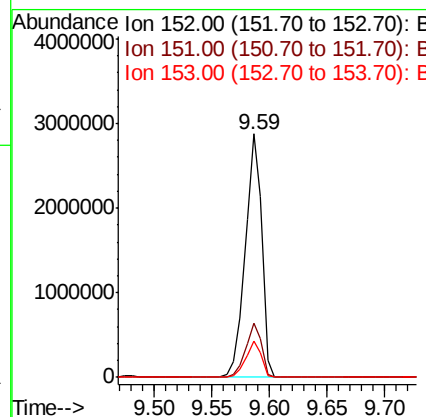
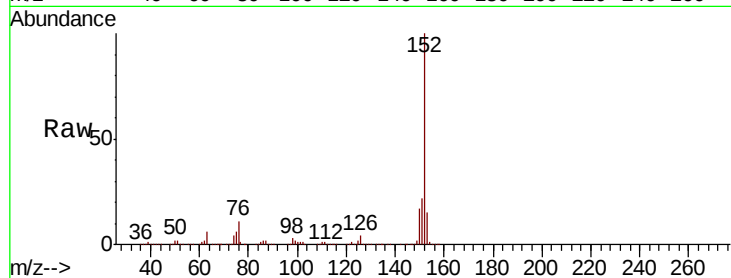
#49
Acenaphthylene
Concen: 44.152 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ion	Ratio	Lower	Upper
152	100			
151	22.5	17.5	26.3	
153	14.9	11.6	17.4	

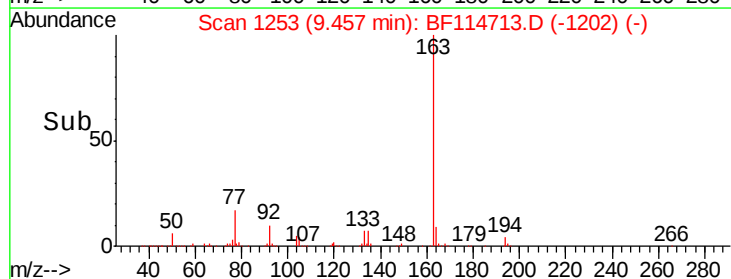
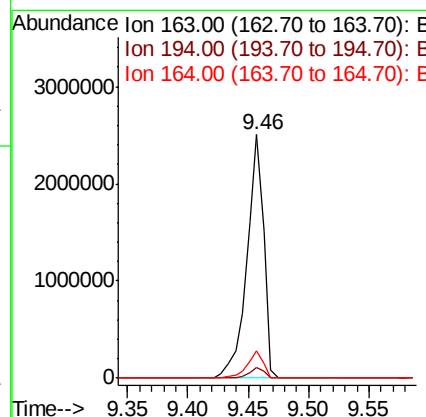
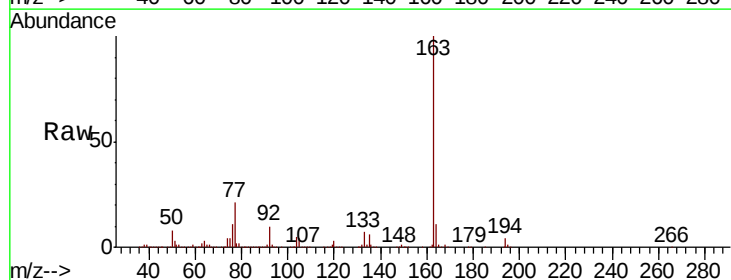
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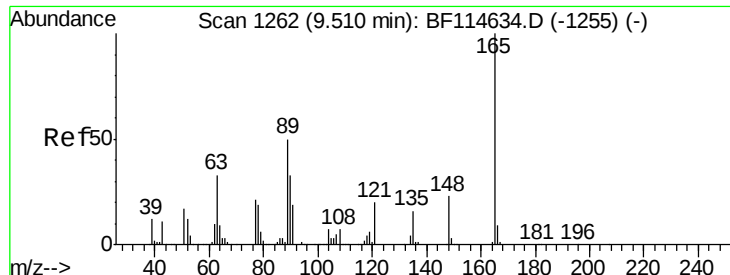
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#50
Dimethylphthalate
Concen: 50.910 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.3	3.4	5.0	
164	11.3	8.6	13.0	





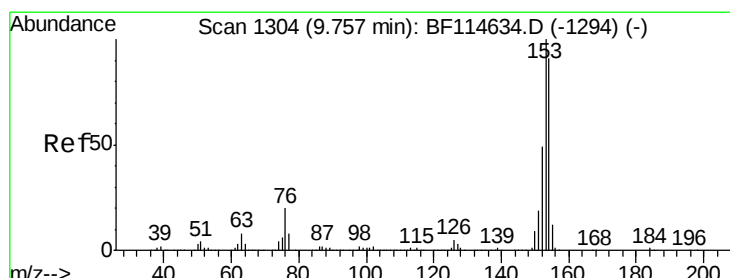
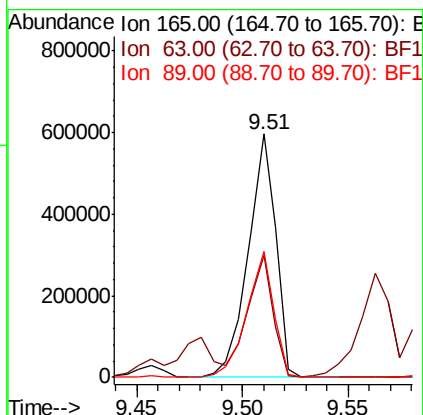
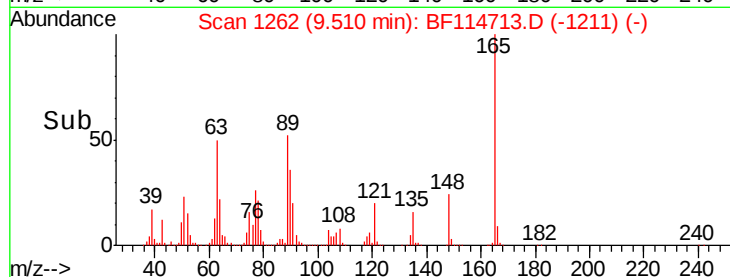
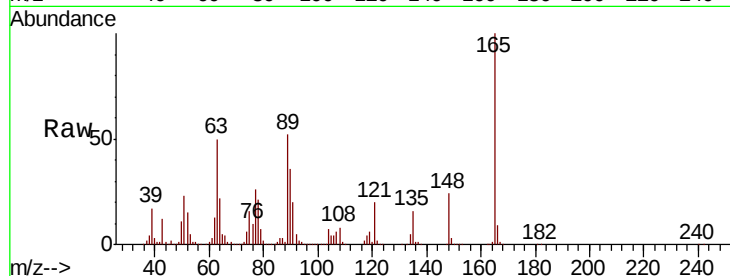
#51
 2,6-Dinitrotoluene
 Concen: 49.160 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	542533		
63	49.9	36.6	54.8	
89	51.9	40.2	60.4	

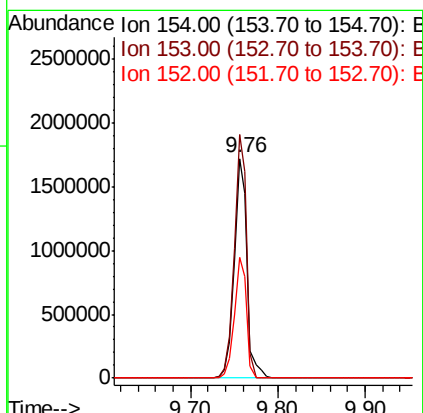
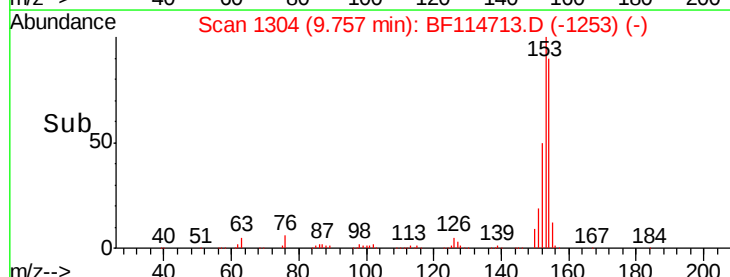
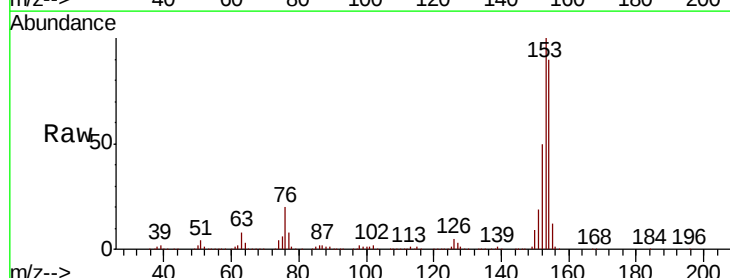
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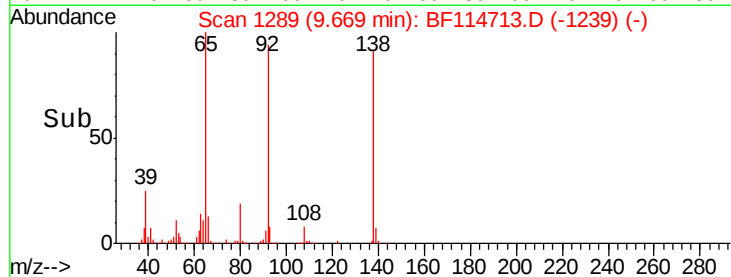
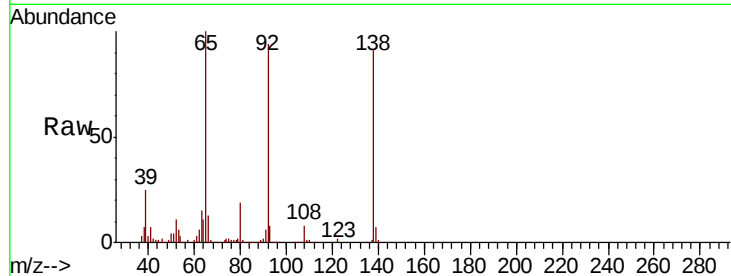
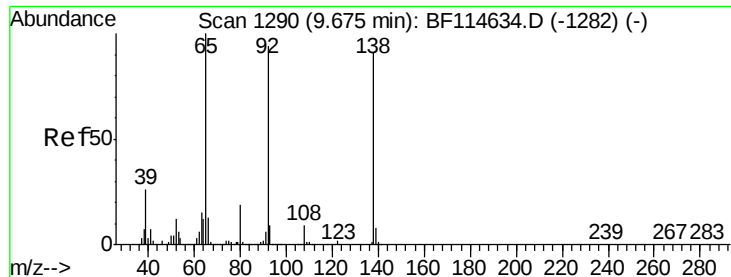
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#52
 Acenaphthene
 Concen: 43.936 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1727669		
153	110.7	88.4	132.6	
152	55.0	43.4	65.0	





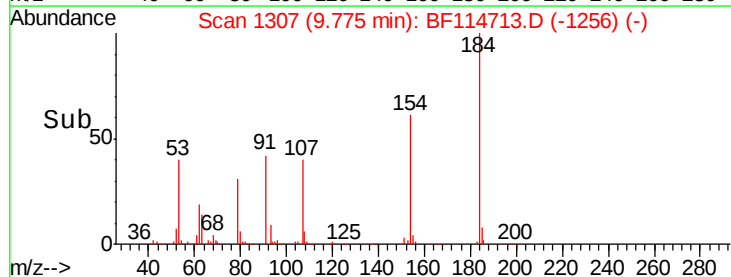
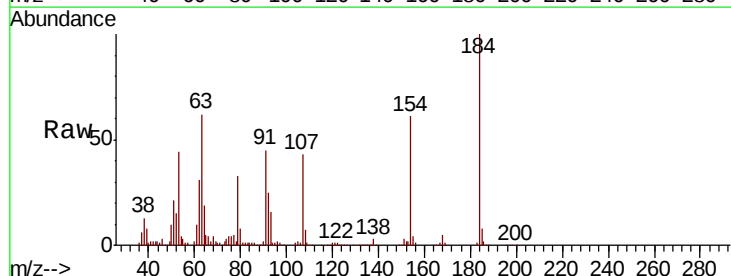
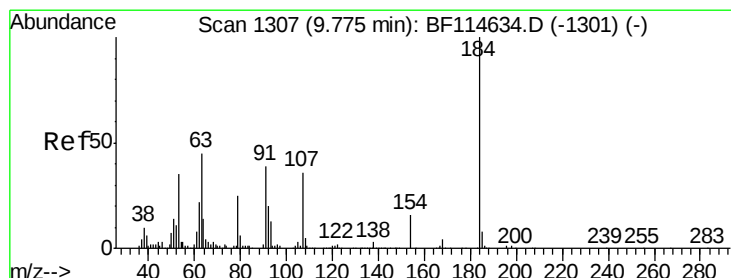
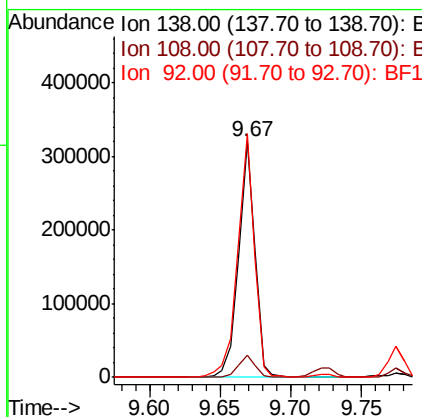
#53
3-Nitroaniline
Concen: 19.136 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tot Ion:138	Resp:	258474
Ion Ratio	Lower	Upper
138 100		
108 9.2	8.3	12.5
92 103.3	83.1	124.7

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

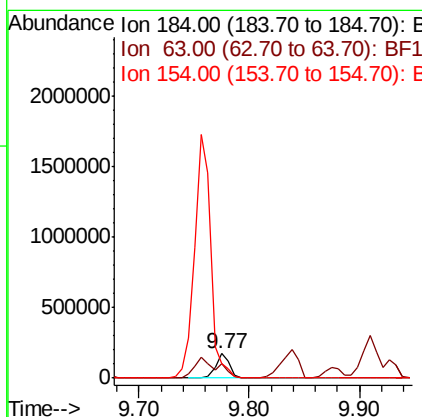
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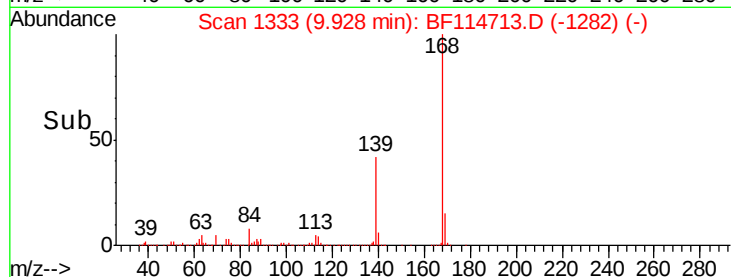
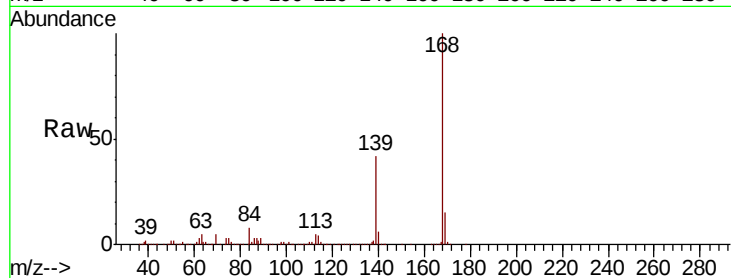
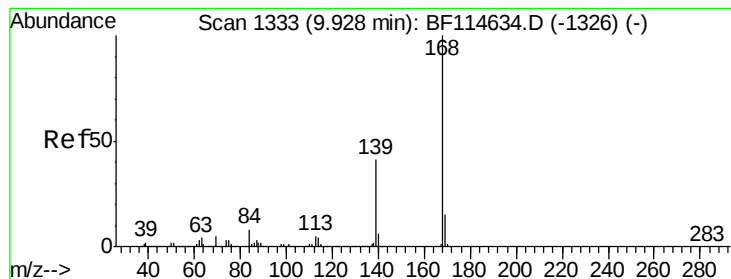
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#54
2,4-Dinitrophenol
Concen: 33.569 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion:184	Resp:	146129
Ion Ratio	Lower	Upper
184 100		
63 61.8	38.8	58.2#
154 61.1	43.7	65.5





#55

Dibenzofuran

Concen: 44.068 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tot	Ion:168	Resp: 2466651	
Ion	Ratio	Lower	Upper
168	100		
139	41.9	32.6	48.8
169	15.1	11.8	17.8

Instrument :

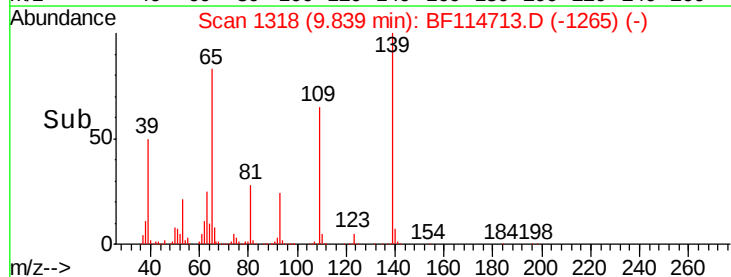
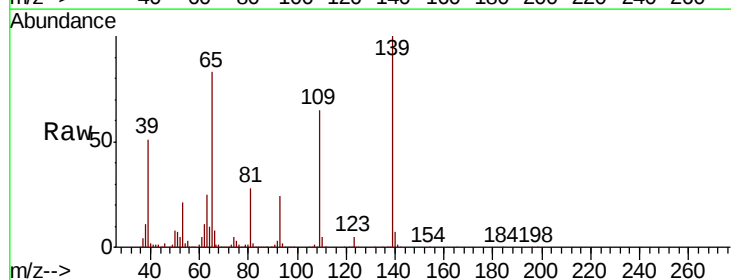
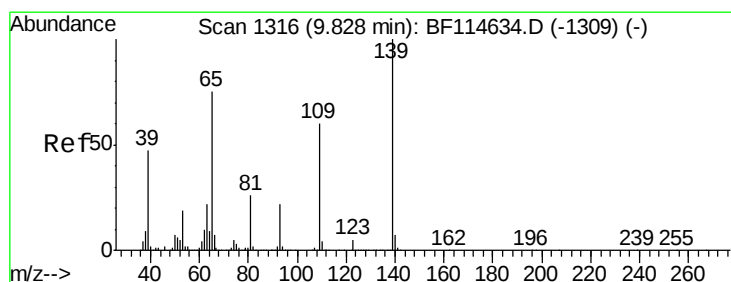
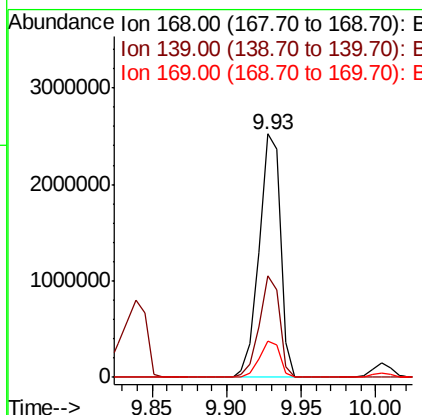
BNA_F

ClientSampleId :

FESB-27(3.5-4)MSD

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#56

4-Nitrophenol

Concen: 93.385 ng

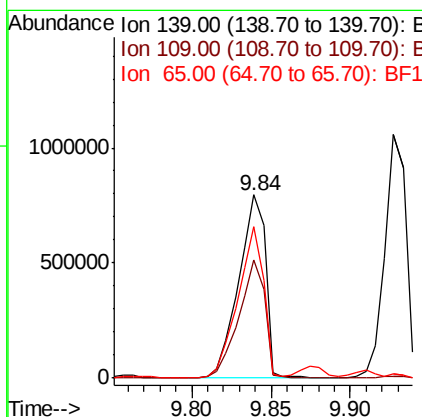
RT: 9.84 min Scan# 1318

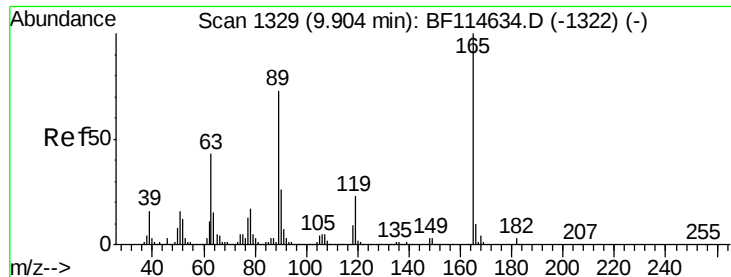
Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion	139	Resp: 934735	
Ion	Ratio	Lower	Upper
139	100		
109	64.8	40.4	80.4
65	82.9	54.7	94.7





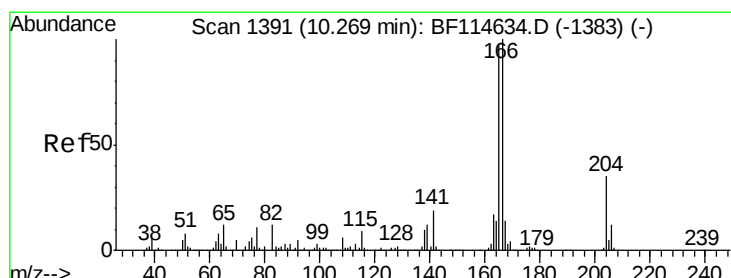
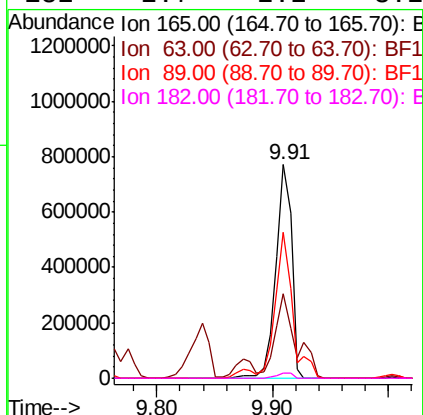
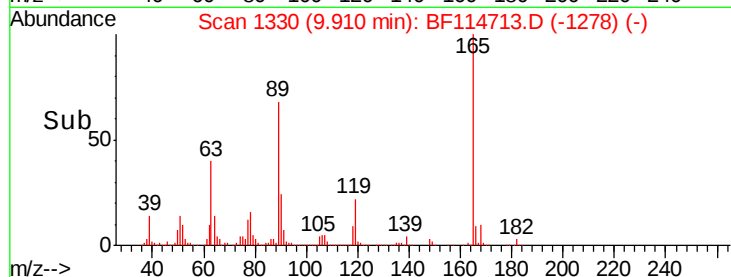
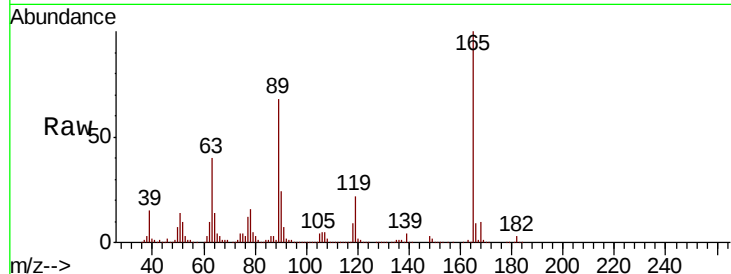
#57
2,4-Dinitrotoluene
Concen: 51.590 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	730706		
63	39.6		34.8	52.2
89	68.3		58.5	87.7
182	2.7		2.2	3.2

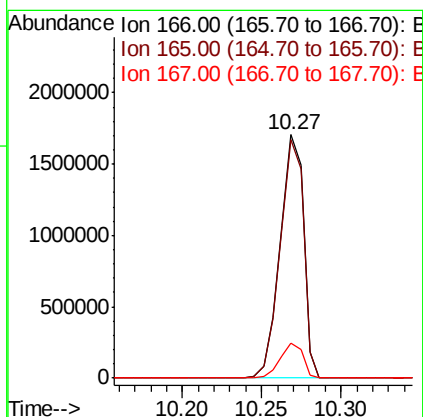
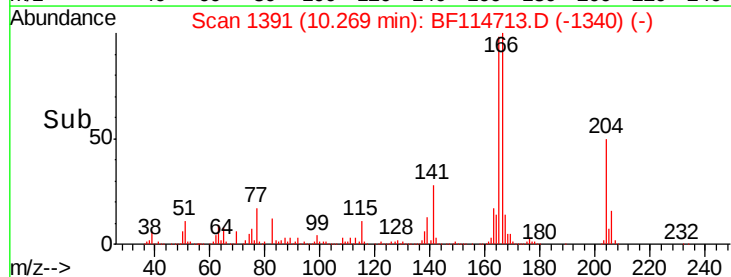
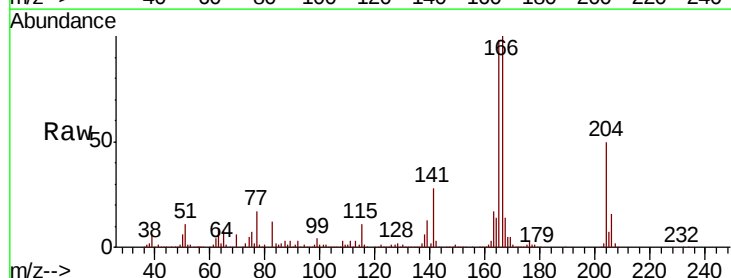
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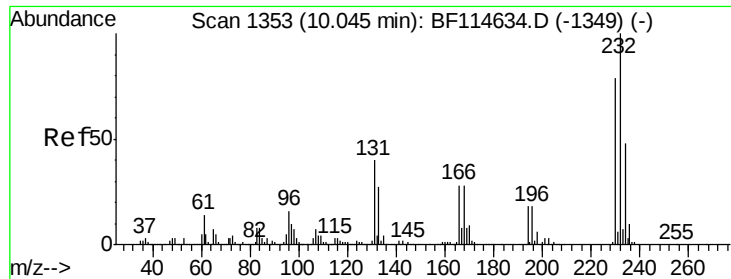
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#58
Fluorene
Concen: 48.423 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1756887		
165	98.0		77.6	116.4
167	14.4		11.2	16.8





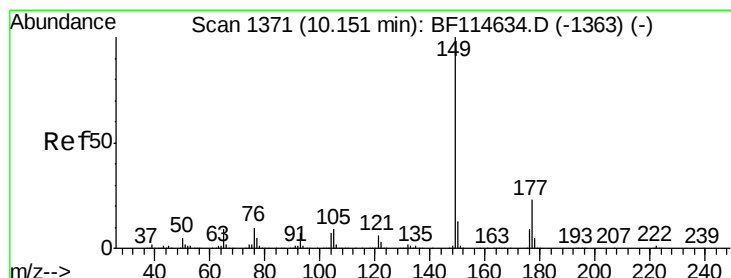
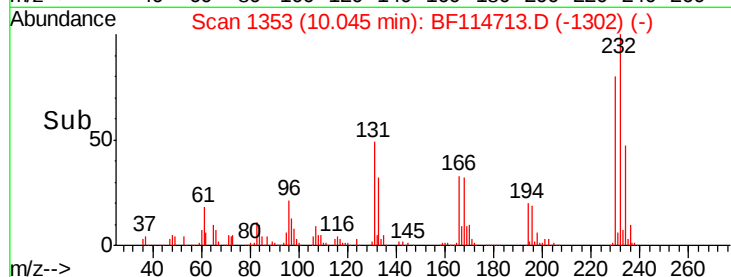
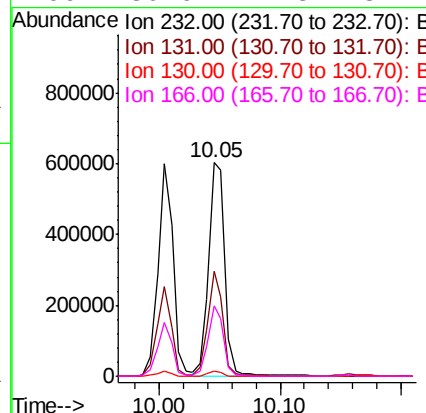
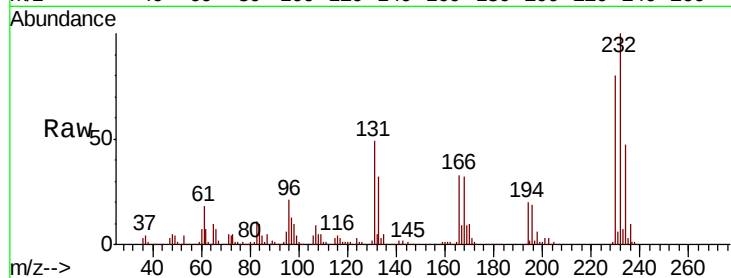
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.122 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.7	37.2	55.8
130	2.1	1.8	2.8
166	30.6	24.8	37.2

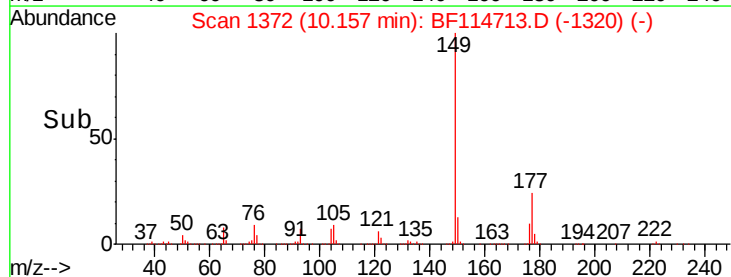
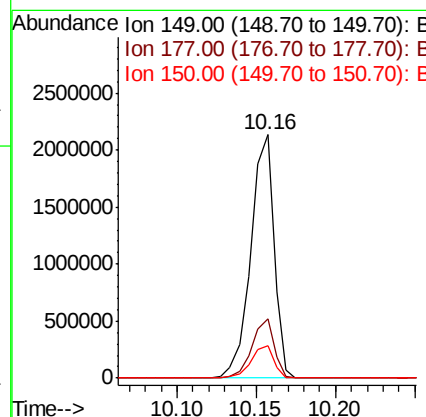
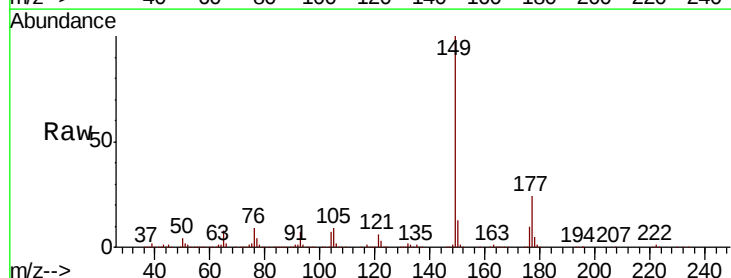
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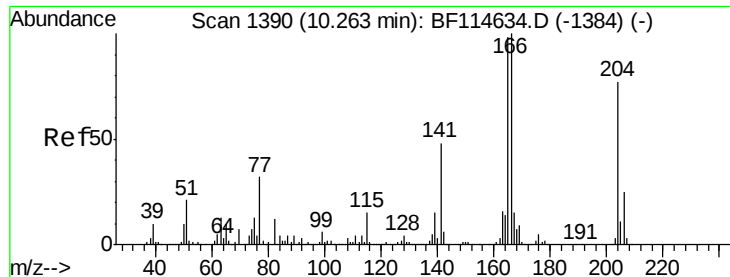
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#60
 Diethylphthalate
 Concen: 44.747 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.5	18.6	28.0
150	13.2	10.6	15.8





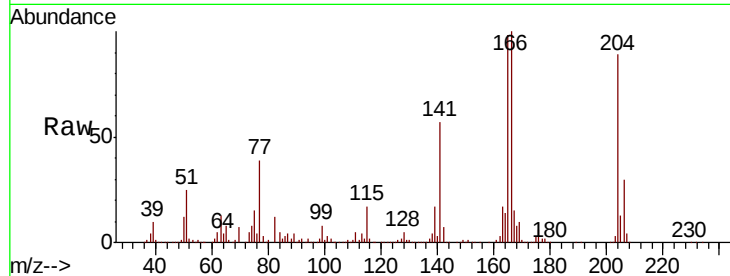
#61
4-Chlorophenyl-phenylether
Concen: 47.717 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.4	39.6
141	63.3	50.0	75.0

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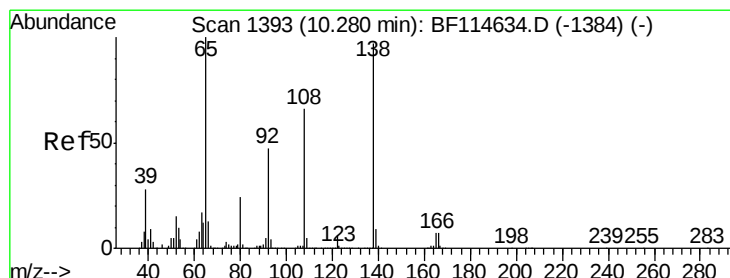
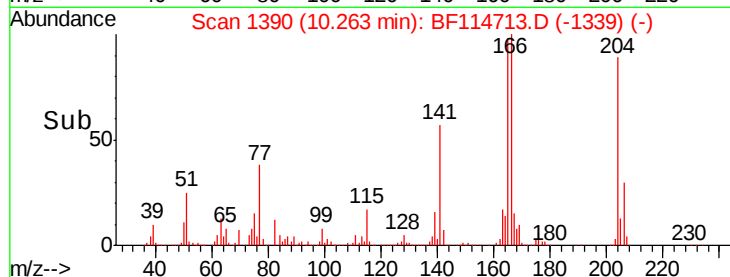
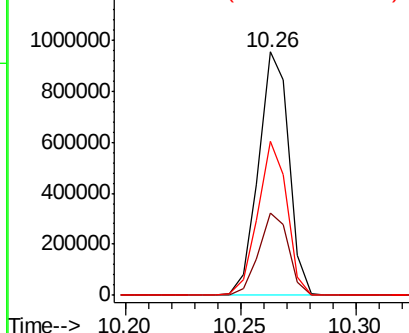


Abundance

Ion 204.00 (203.70 to 204.70): E

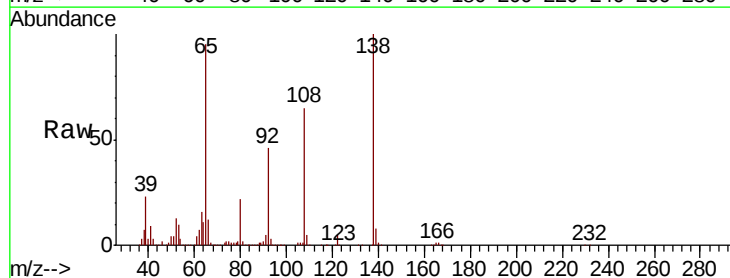
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 44.825 ng
RT: 10.29 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
138	100		
92	45.6	28.0	68.0
108	64.6	48.4	88.4

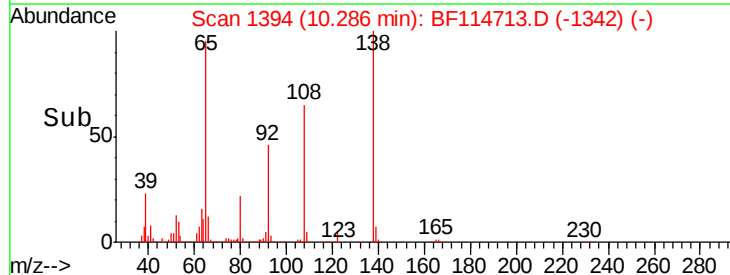
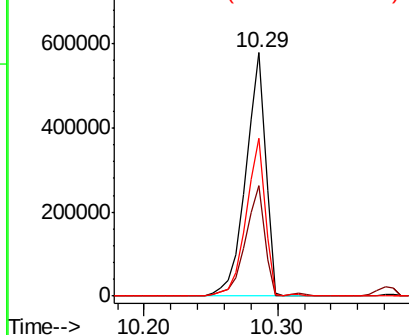


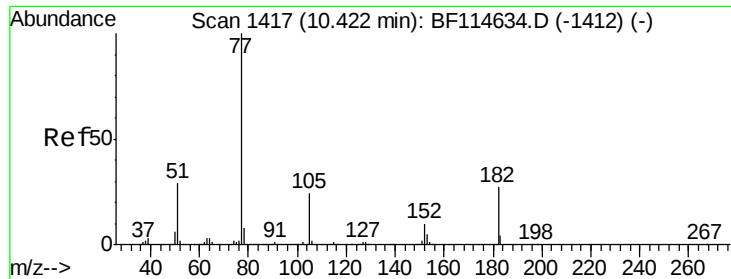
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





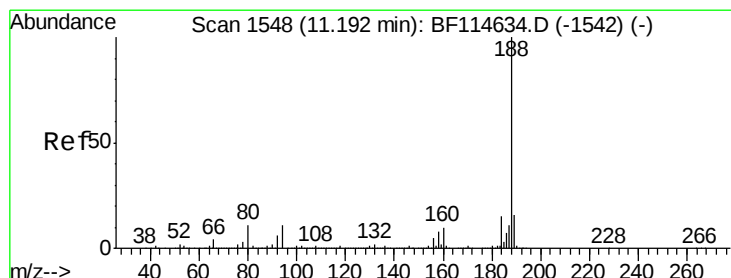
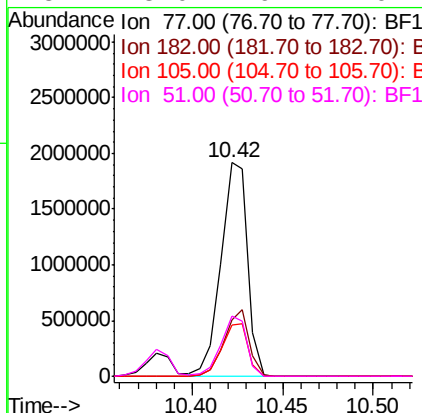
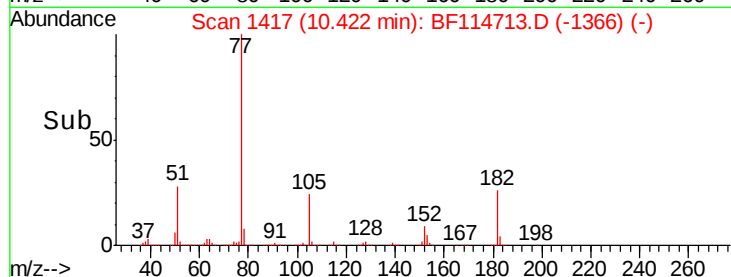
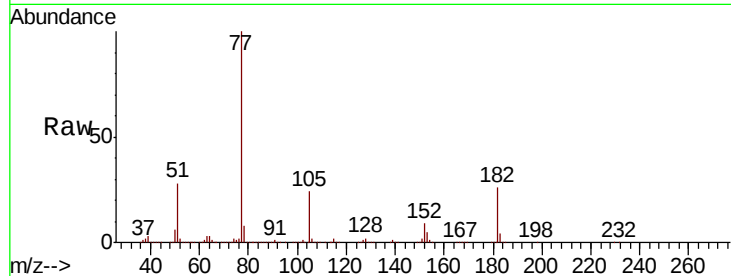
#63
Azobenzene
Concen: 43.804 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.0	47.0
105	23.8	3.7	43.7
51	28.0	9.1	49.1

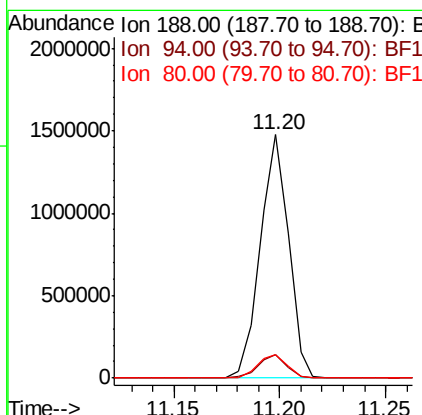
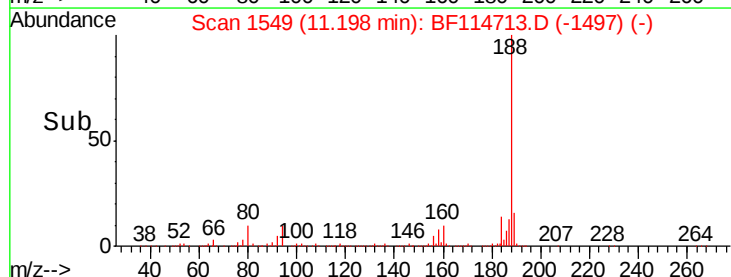
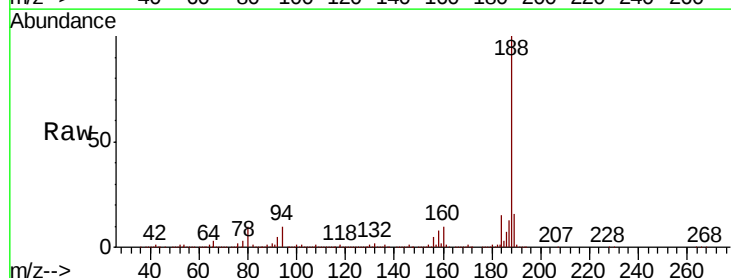
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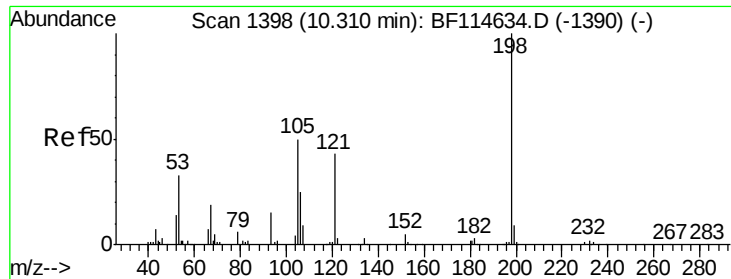
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.6	13.0
80	9.8	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 34.782 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:198 Resp: 213483

Ion Ratio Lower Upper

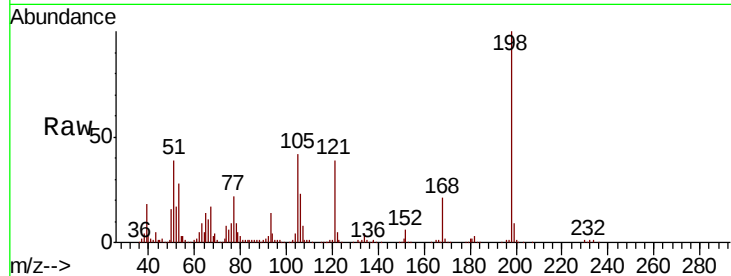
198 100

51 38.6 29.0 69.0

105 41.8 30.4 70.4

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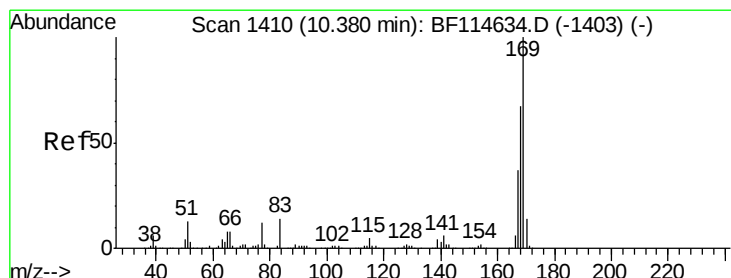
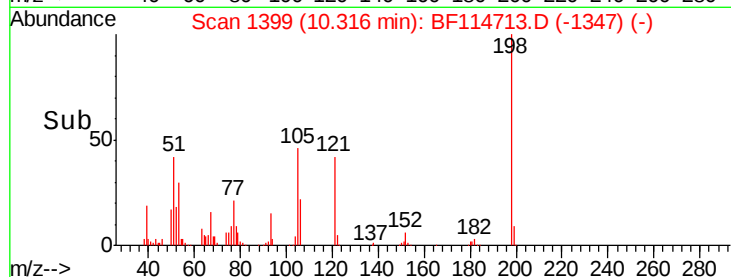
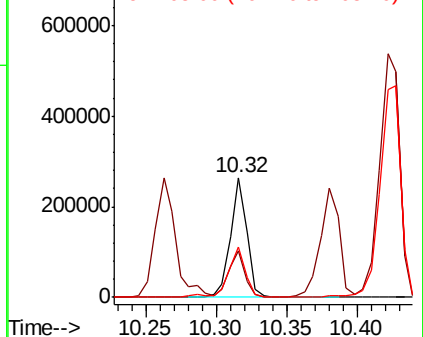
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 44.093 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion:169 Resp: 1803250

Ion Ratio Lower Upper

169 100

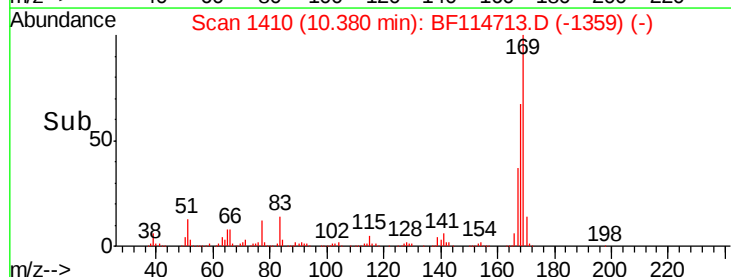
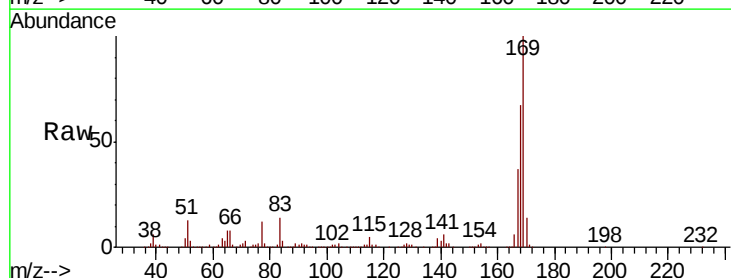
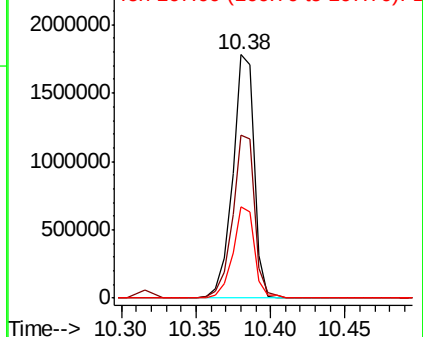
168 67.1 53.8 80.8

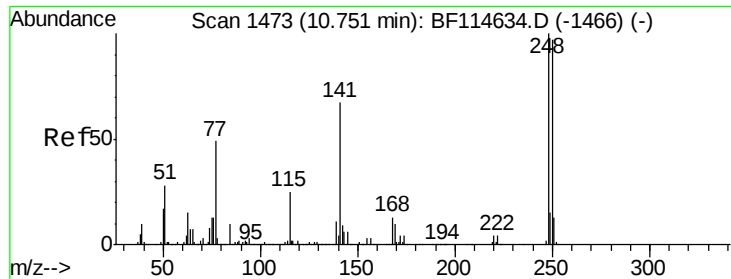
167 37.3 29.8 44.6

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





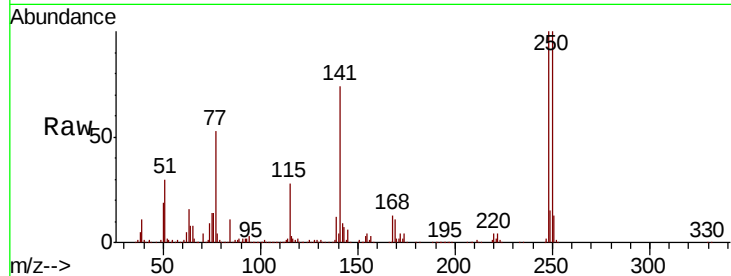
#67
 4-Bromophenyl-phenylether
 Concen: 41.549 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

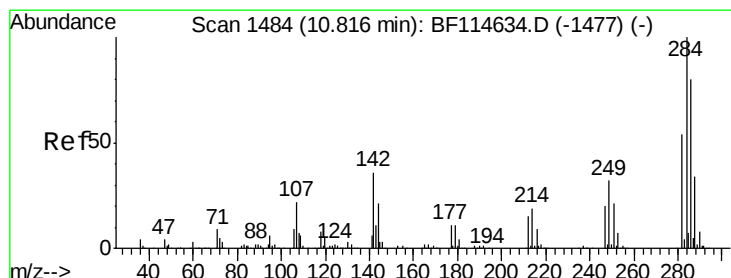
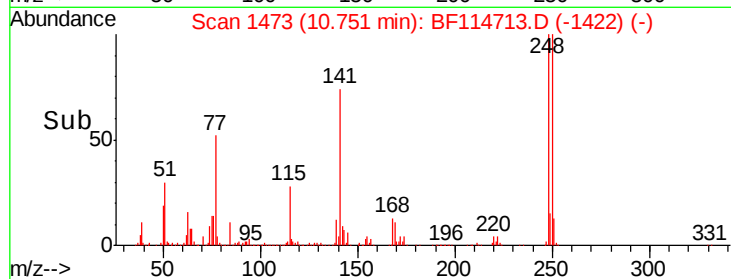
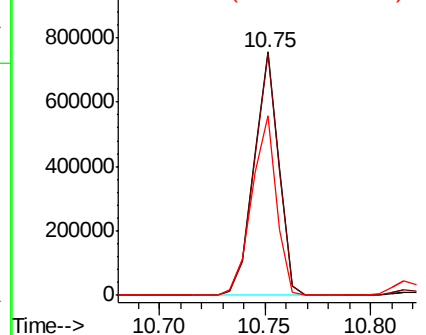
Tot Ion:	248	Resp:	616745
Ion Ratio	Lower	Upper	
248	100		
250	99.5	78.0	117.0
141	73.5	53.8	80.8

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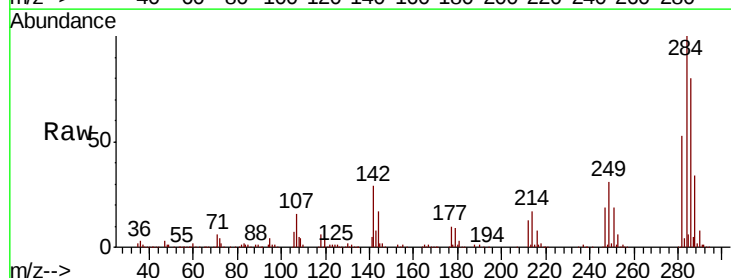


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

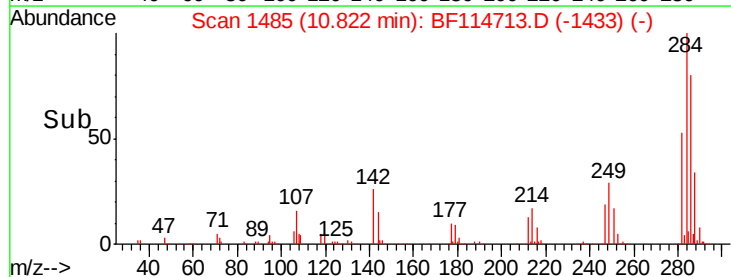
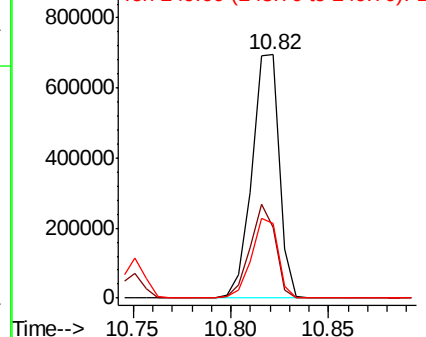


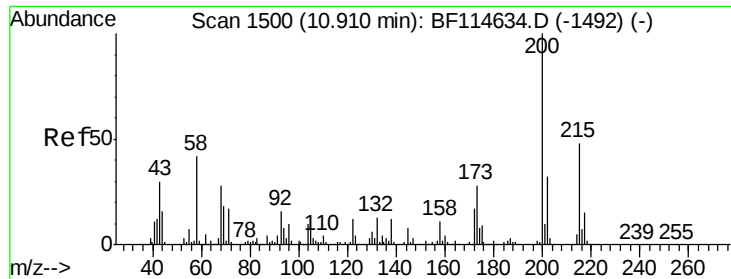
#68
 Hexachlorobenzene
 Concen: 42.033 ng
 RT: 10.82 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion:	284	Resp:	675793
Ion Ratio	Lower	Upper	
284	100		
142	29.3	28.9	43.3
249	30.6	25.8	38.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 51.812 ng

RT: 10.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

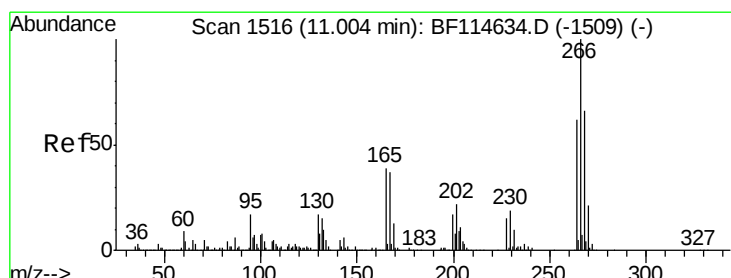
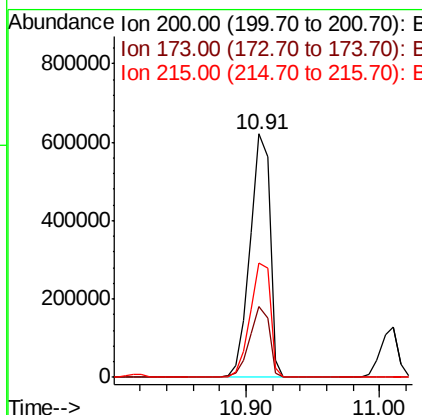
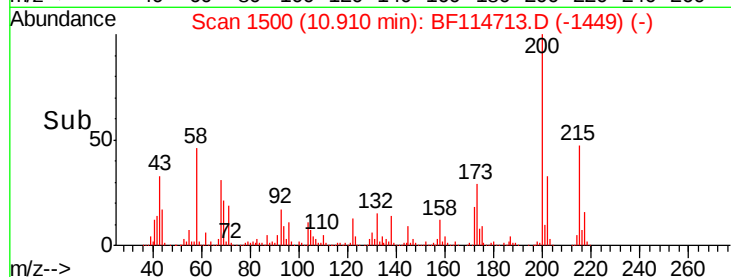
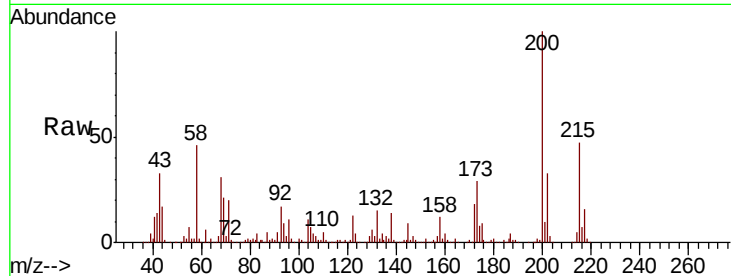
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	200	Resp:	631331
Ion Ratio	Lower	Upper	
200	100		
173	29.1	7.9	47.9
215	47.1	27.8	67.8

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#70

Pentachlorophenol

Concen: 71.704 ng

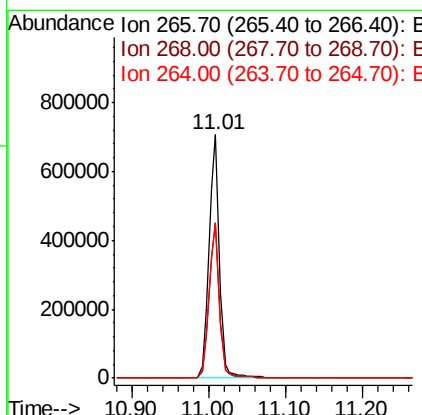
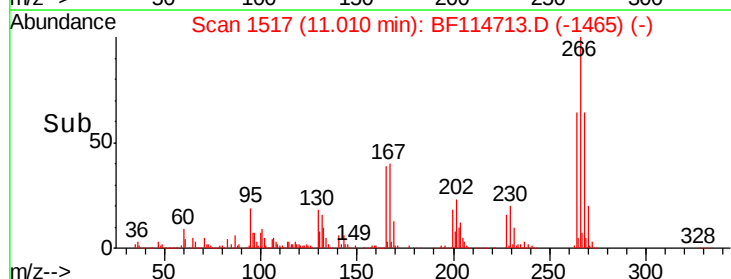
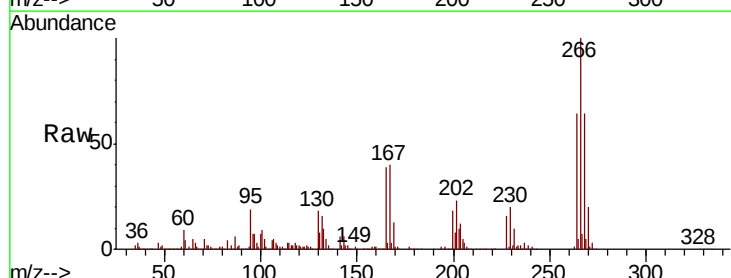
RT: 11.01 min Scan# 1517

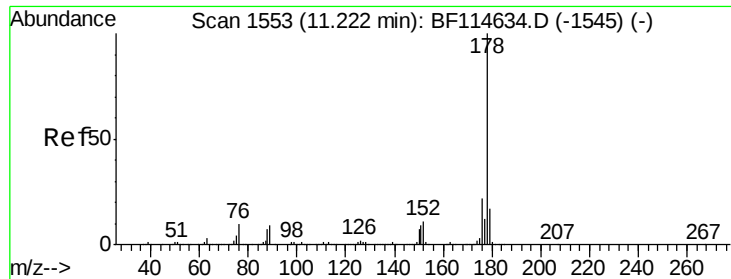
Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion:	266	Resp:	664550
Ion Ratio	Lower	Upper	
266	100		
268	63.9	52.8	79.2
264	63.6	49.9	74.9





#71

Phenanthrene

Concen: 39.821 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:178 Resp: 2811797

Ion Ratio Lower Upper

178 100

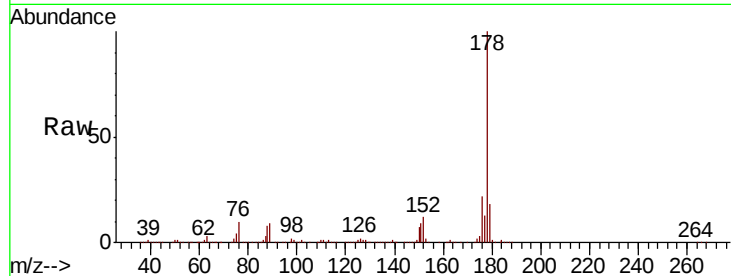
176 21.6 17.2 25.8

179 17.5 13.9 20.9

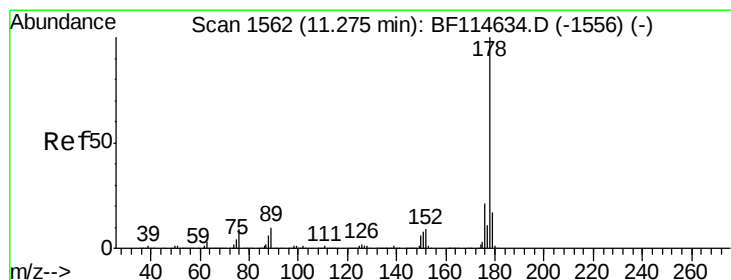
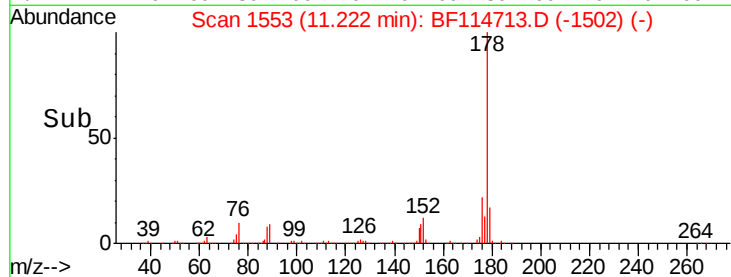
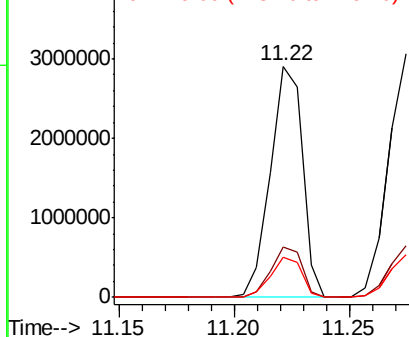
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 41.511 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion:178 Resp: 2966574

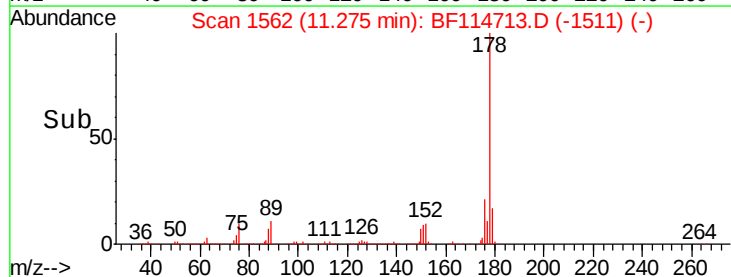
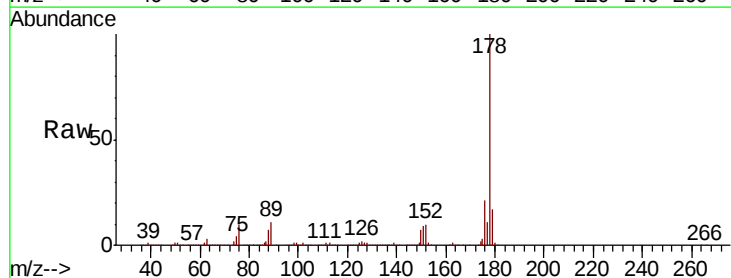
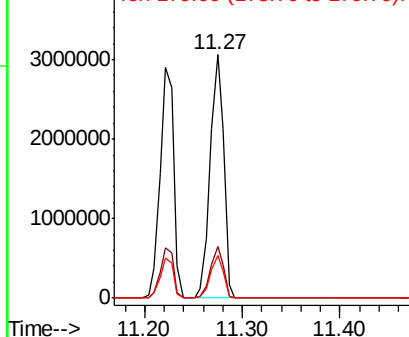
Ion Ratio Lower Upper

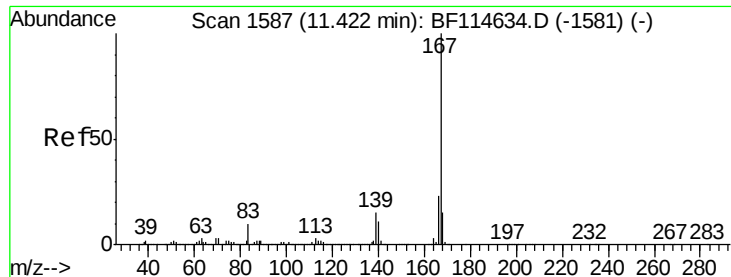
178 100

176 21.2 16.6 24.8

179 17.4 13.4 20.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





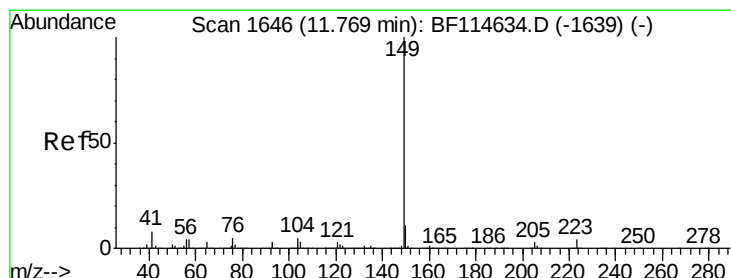
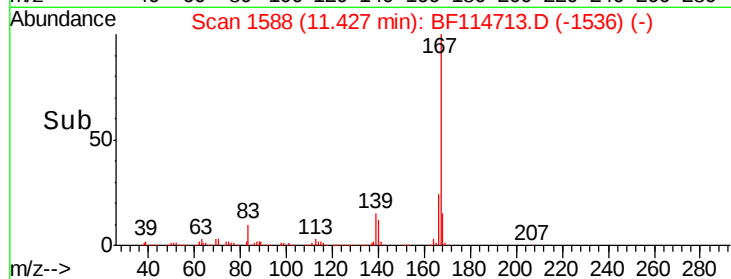
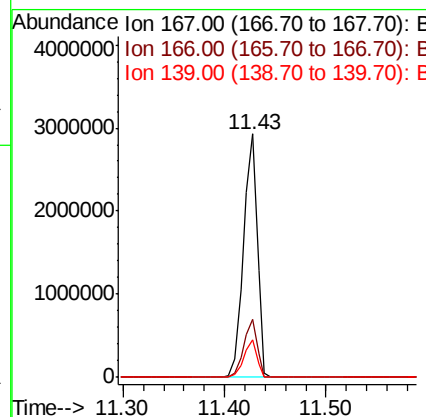
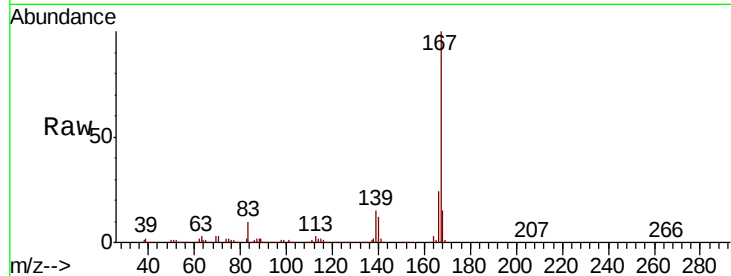
#73
 Carbazole
 Concen: 44.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.7	28.1
139	15.2	11.8	17.8

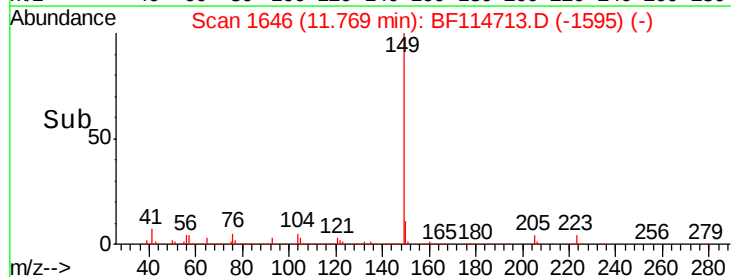
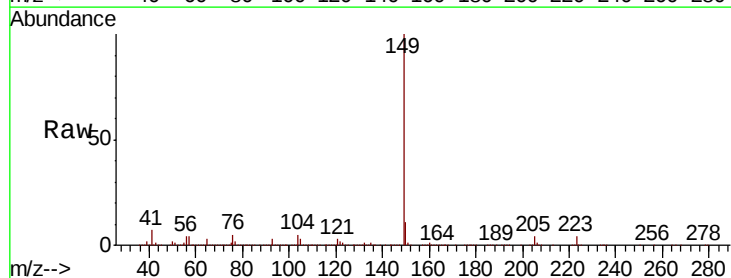
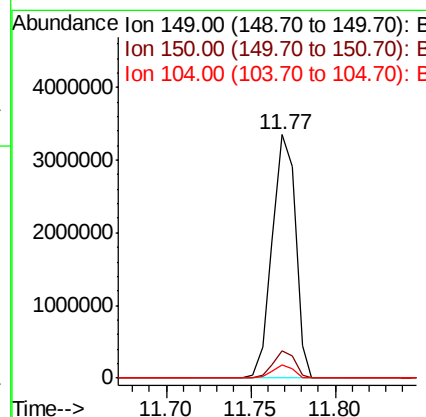
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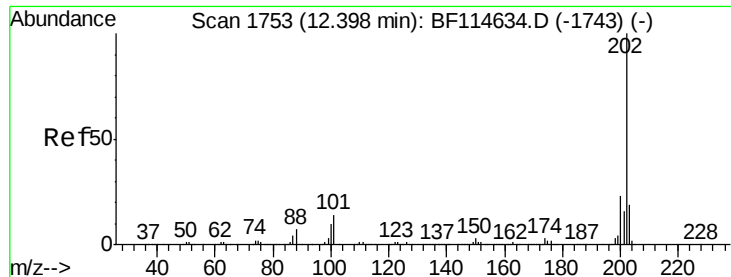
mohammad
 6/3/2019 8:49:36 AM



#74
 Di-n-butylphthalate
 Concen: 41.462 ng
 RT: 11.77 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.0	8.6	12.8
104	5.4	4.3	6.5





#75

Fluoranthene

Concen: 40.877 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

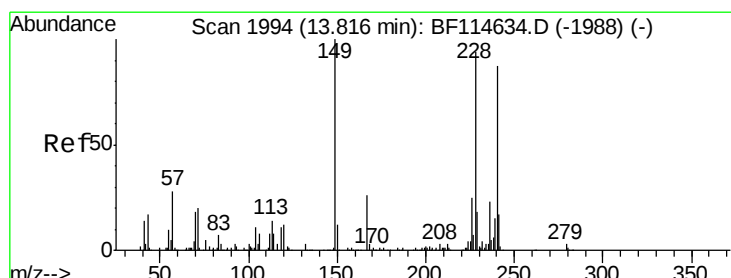
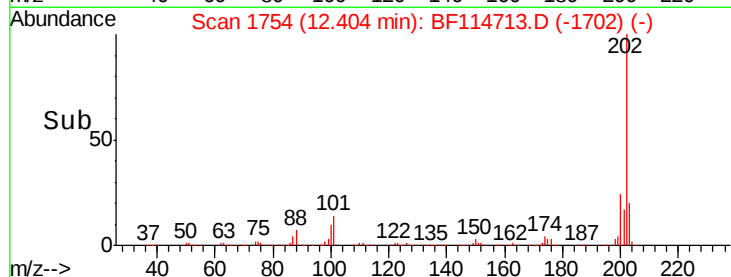
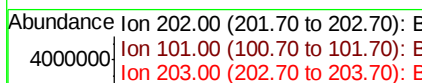
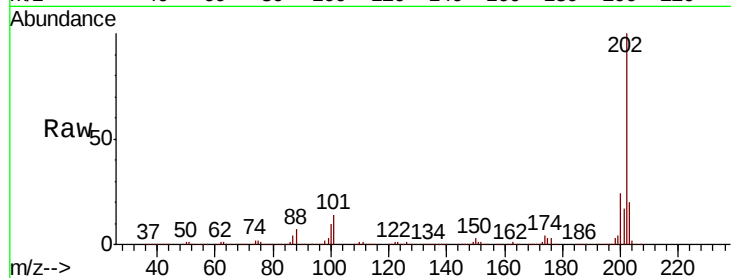
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	202	Resp:	2988750
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	33.9
203	20.1	0.0	39.1

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#76

Chrysene-d12

Concen: 20.000 ng

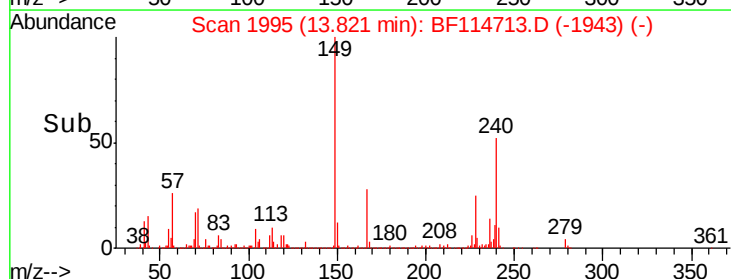
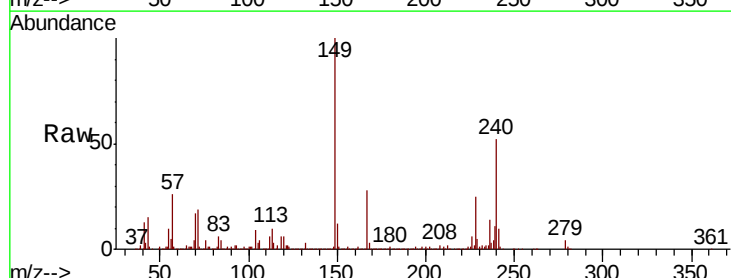
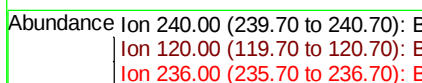
RT: 13.82 min Scan# 1995

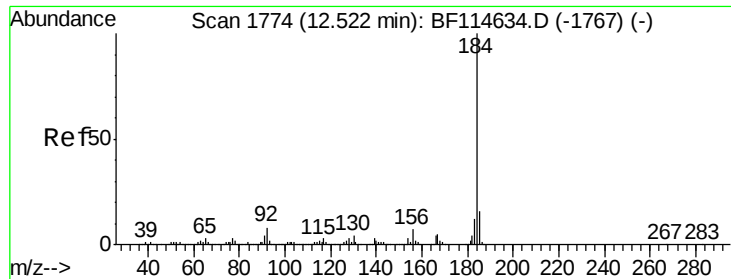
Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion:	240	Resp:	842102
Ion Ratio	Lower	Upper	
240	100		
120	12.1	11.2	16.8
236	27.4	21.2	31.8





#77

Benzidine

Concen: 14.749 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

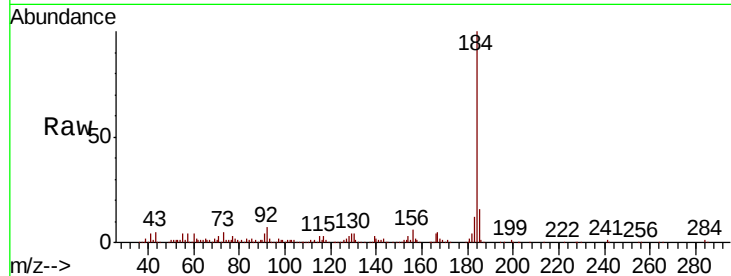
ClientSampleId :

FESB-27(3.5-4)MSD

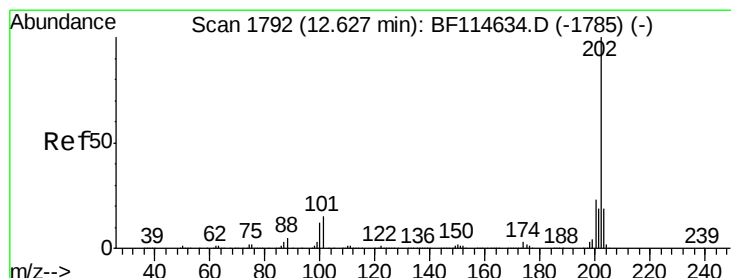
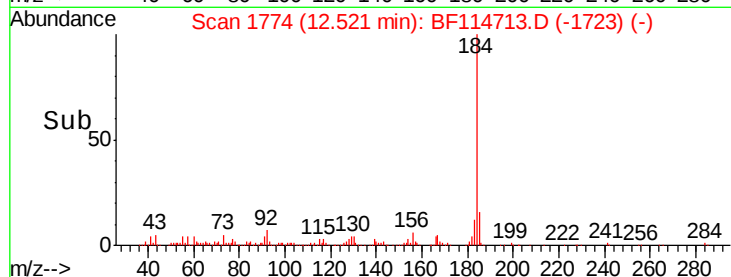
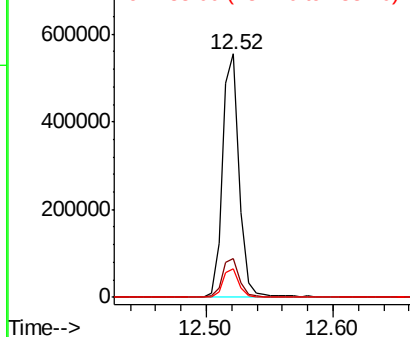
Tot Ion:	184	Resp:	511442
Ion Ratio	Lower	Upper	
184	100		
185	15.9	12.6	18.8
183	11.7	9.4	14.2

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.268 ng

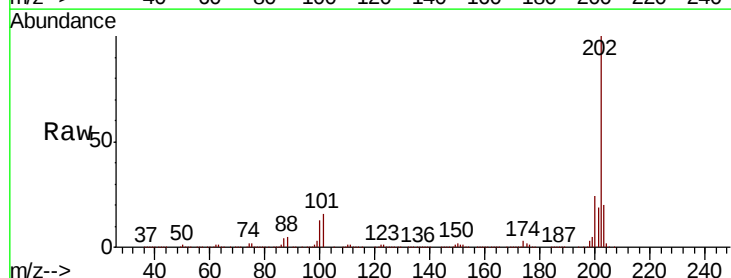
RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

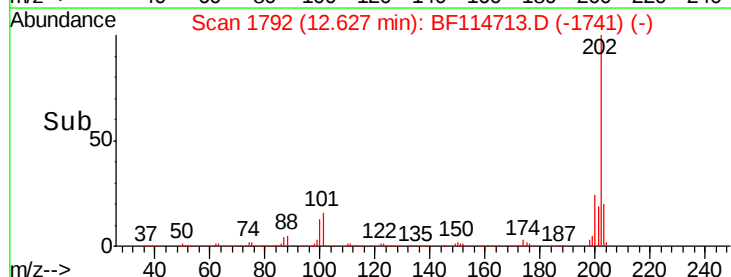
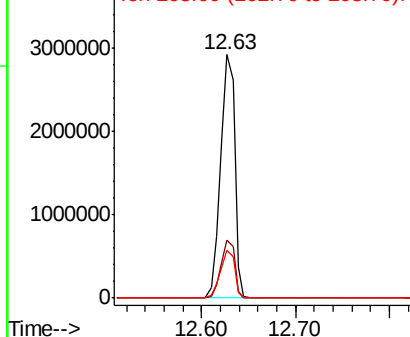
Lab File: BF114713.D

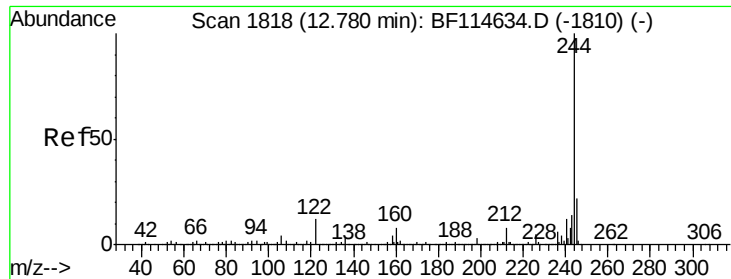
Acq: 31 May 2019 17:24

Tgt Ion:	202	Resp:	3082220
Ion Ratio	Lower	Upper	
202	100		
200	24.0	18.6	28.0
203	19.6	15.4	23.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





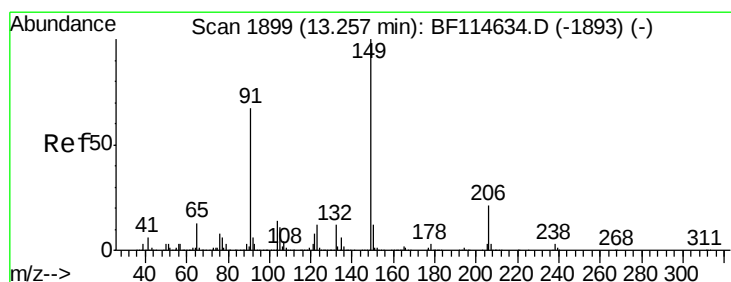
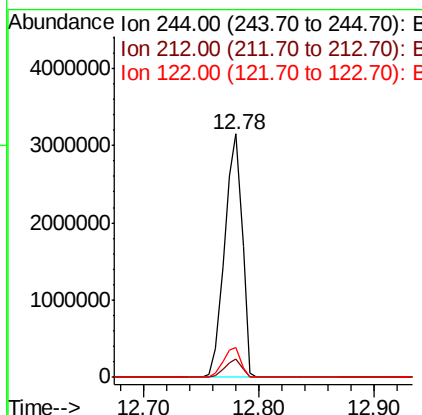
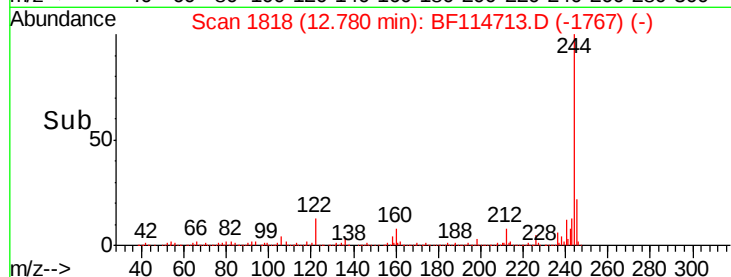
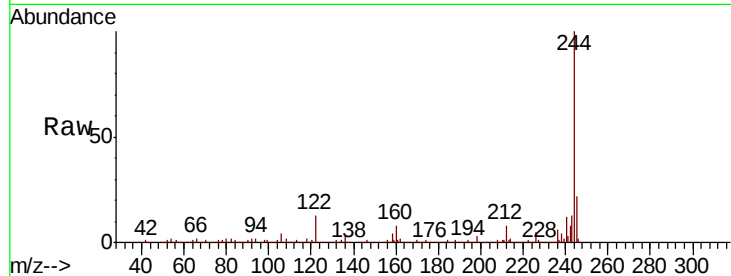
#79
 Terphenyl-d14
 Concen: 74.062 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	12.5	9.8	14.8

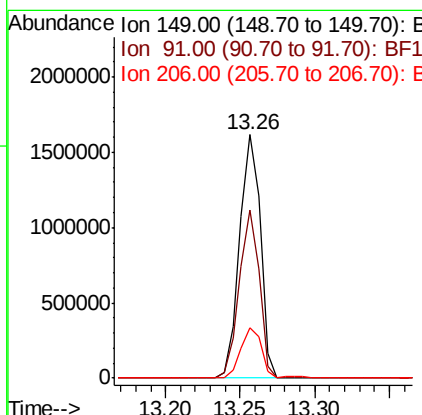
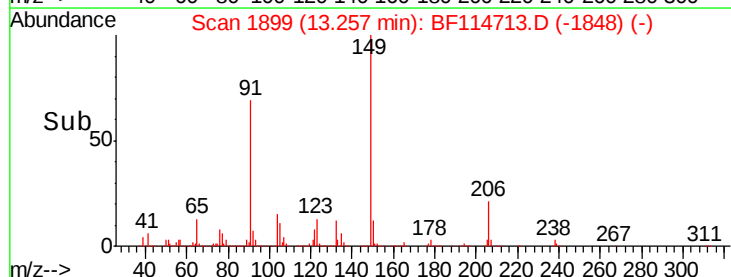
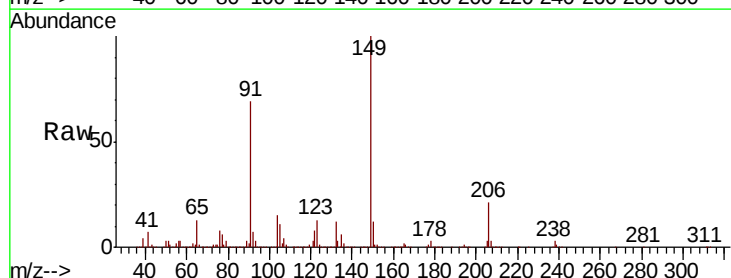
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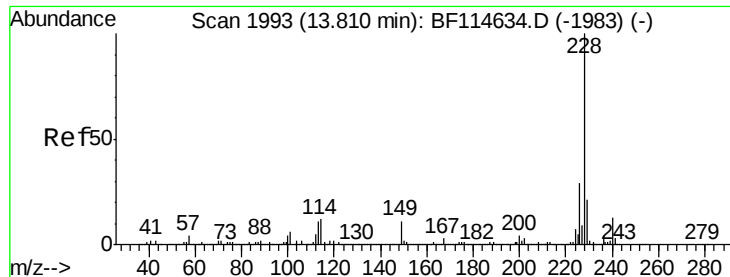
mohammad
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#80
 Butylbenzylphthalate
 Concen: 44.028 ng
 RT: 13.26 min Scan# 1899
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.2	53.8	80.8
206	20.7	16.9	25.3





#81

Benzo(a)anthracene

Concen: 41.223 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:228 Resp: 2667652

Ion Ratio Lower Upper

228 100

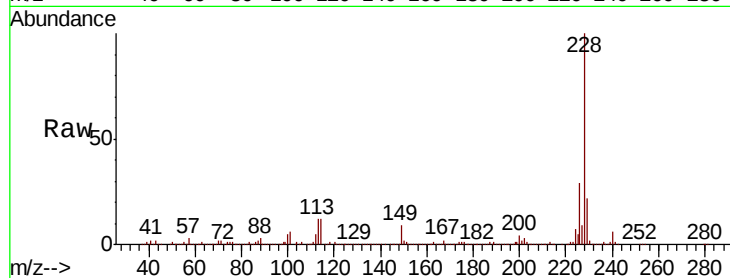
226 28.9 23.0 34.6

229 21.5 17.0 25.4

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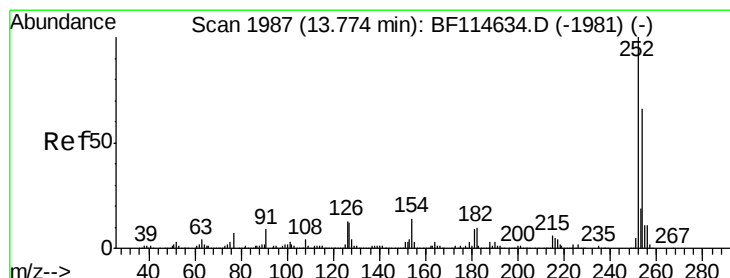
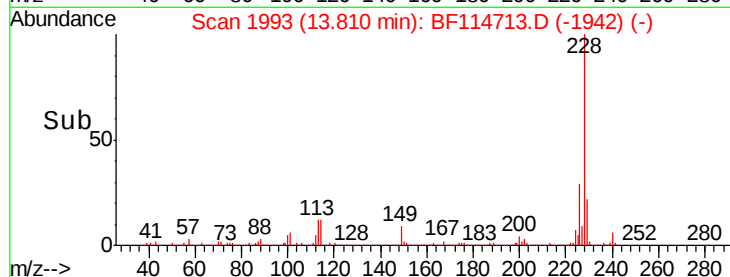
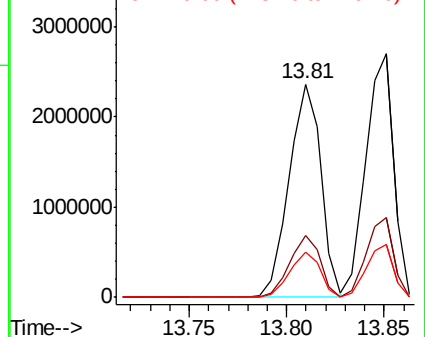


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 18.205 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Tgt Ion:252 Resp: 454962

Ion Ratio Lower Upper

252 100

254 64.7 53.1 79.7

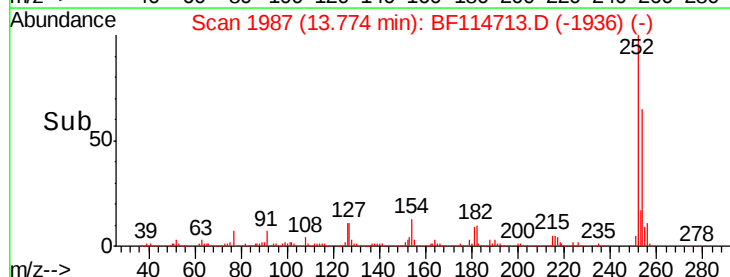
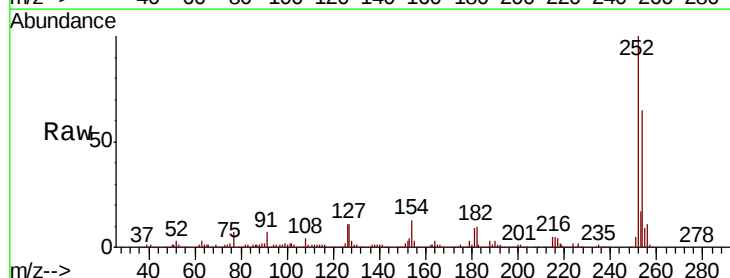
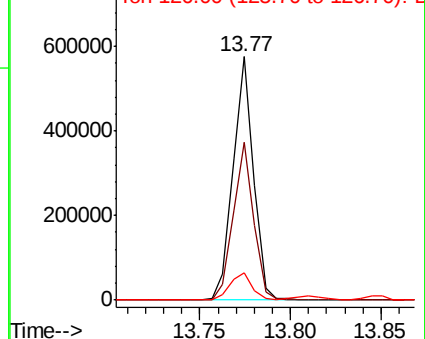
126 11.3 10.2 15.2

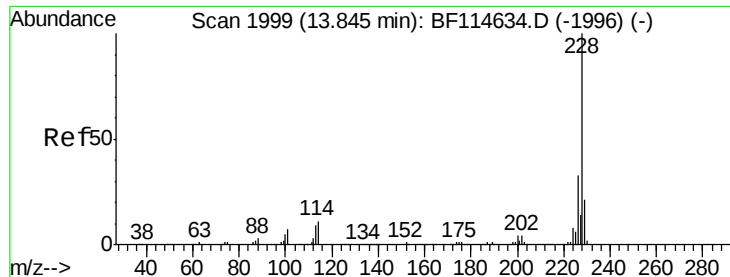
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





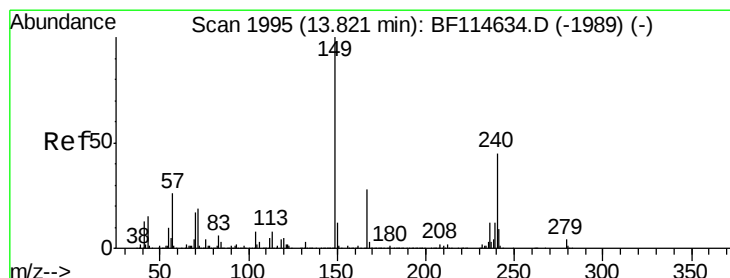
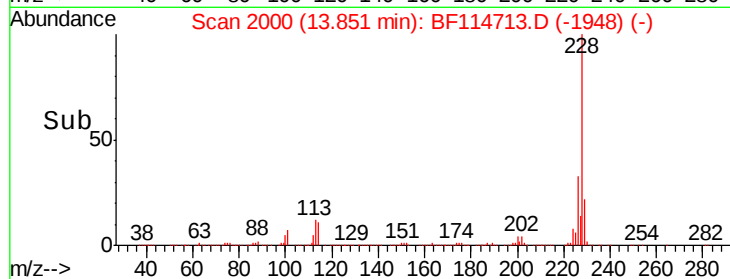
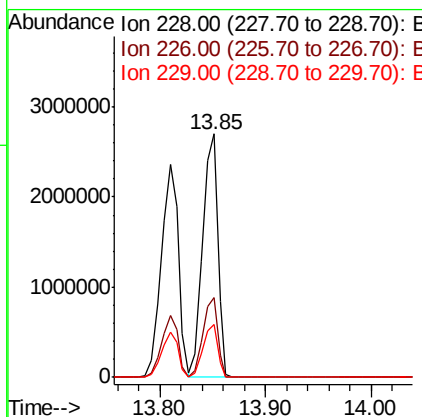
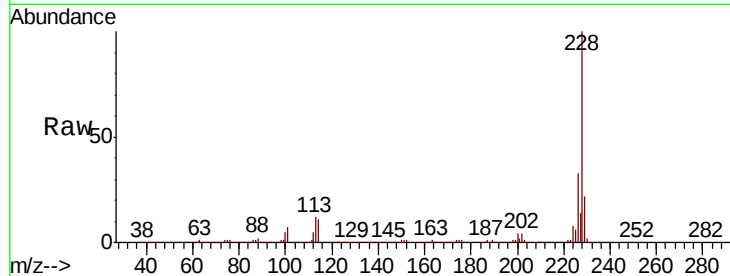
#83
 Chrvsene
 Concen: 43.062 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	26.4	39.6
229	22.0	17.1	25.7

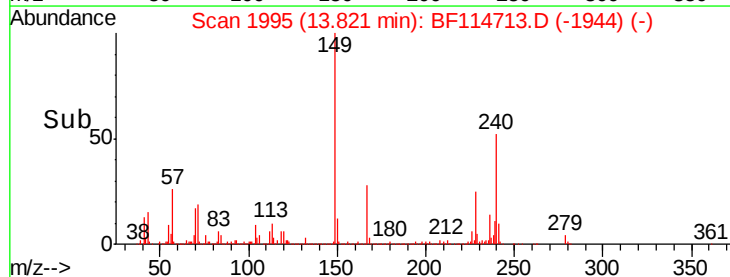
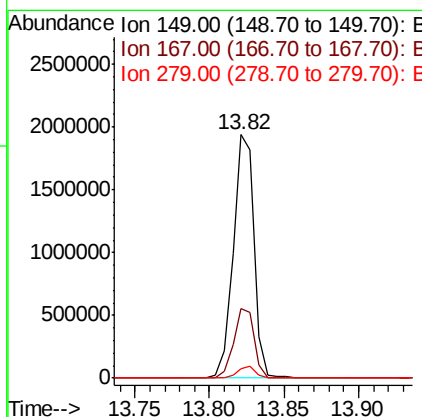
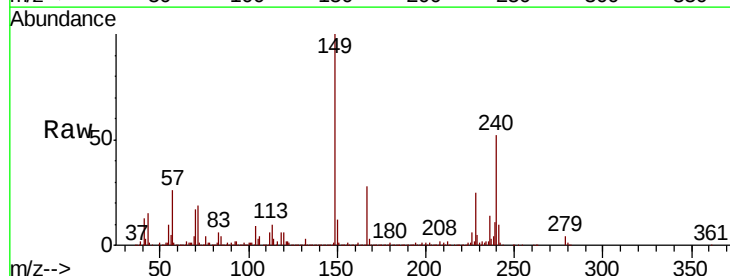
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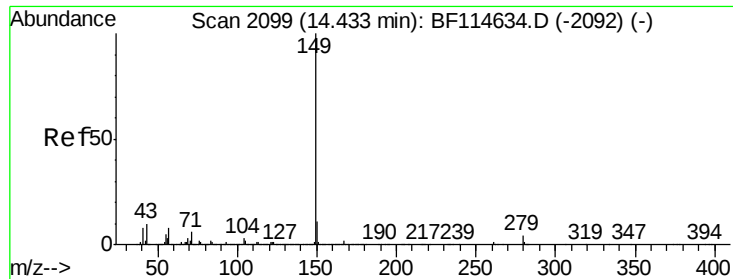
mohammad
 6/3/2019 8:49:36 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.859 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.00 min
 Lab File: BF114713.D
 Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.6	33.8
279	4.0	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 44.330 ng

RT: 14.43 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

Instrument :

BNA_F

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:149 Resp: 3408936

Ion Ratio Lower Upper

149 100

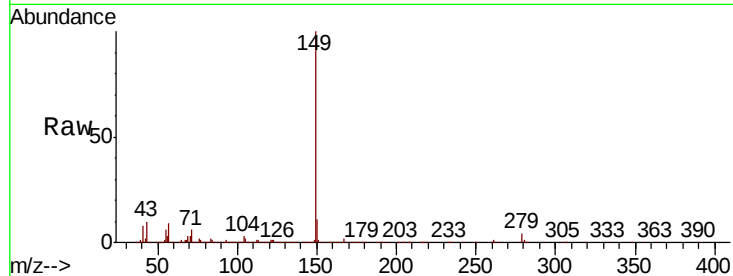
167 1.7 1.3 1.9

43 9.0 8.0 12.0

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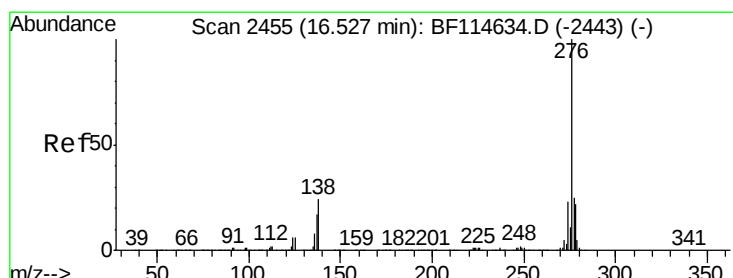
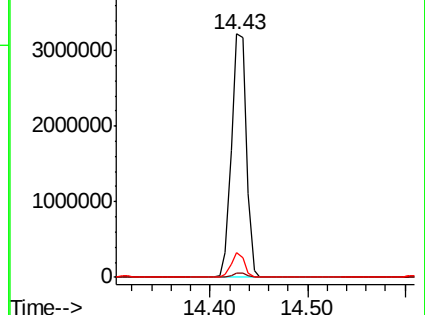
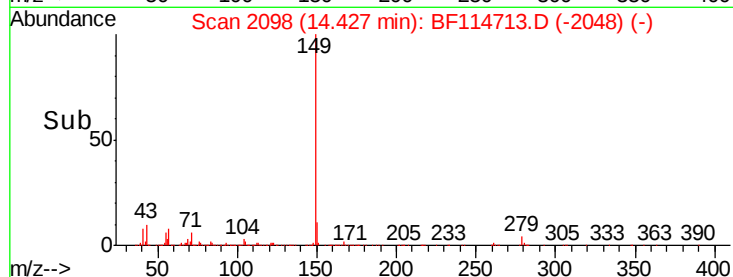
6/3/2019 8:49:36 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 42.267 ng

RT: 16.54 min Scan# 2457

Delta R.T. 0.01 min

Lab File: BF114713.D

Acq: 31 May 2019 17:24

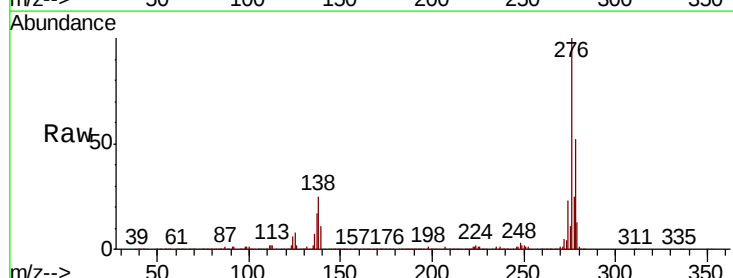
Tgt Ion:276 Resp: 2617321

Ion Ratio Lower Upper

276 100

138 27.8 23.0 34.6

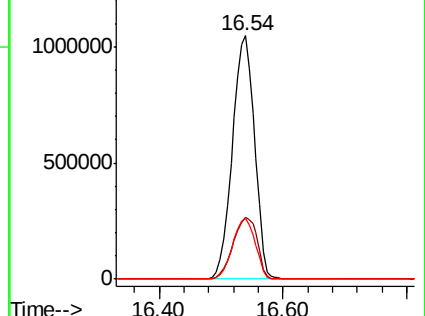
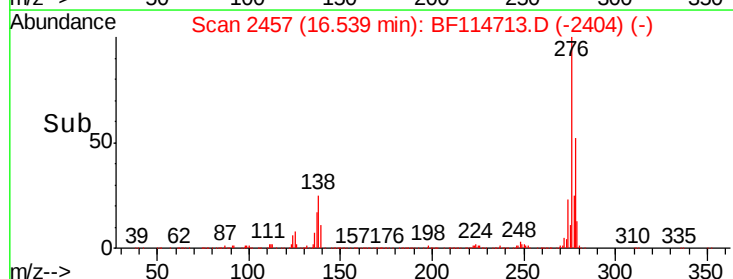
277 25.5 20.5 30.7

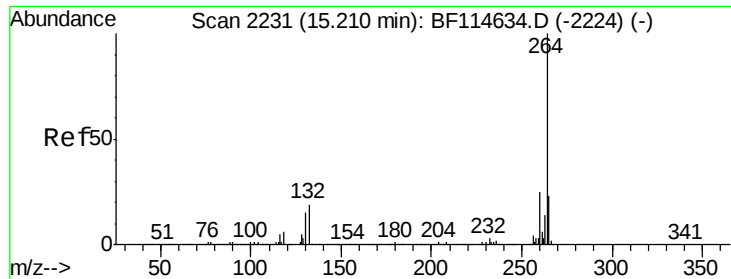


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





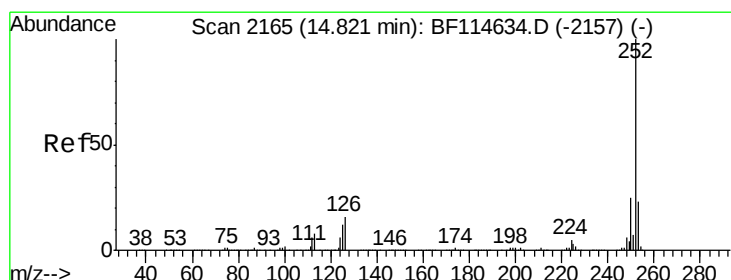
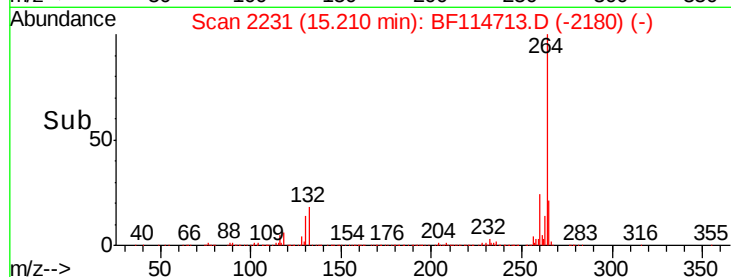
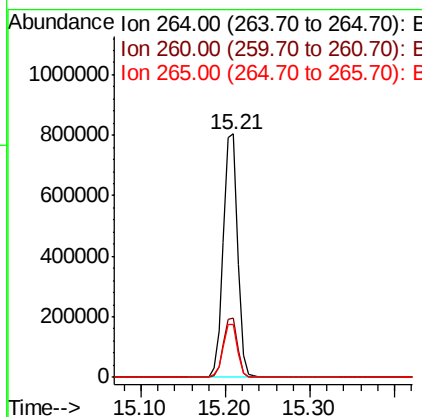
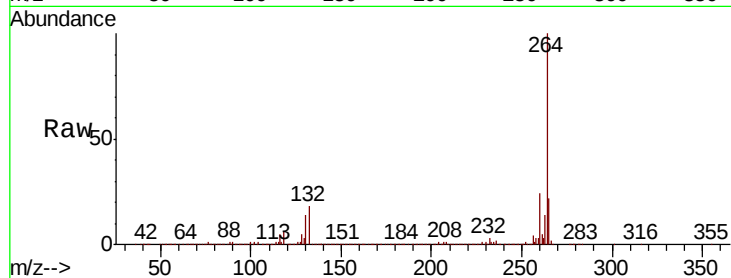
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.6	18.1	27.1

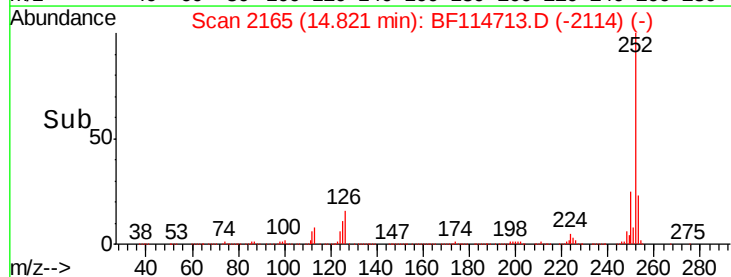
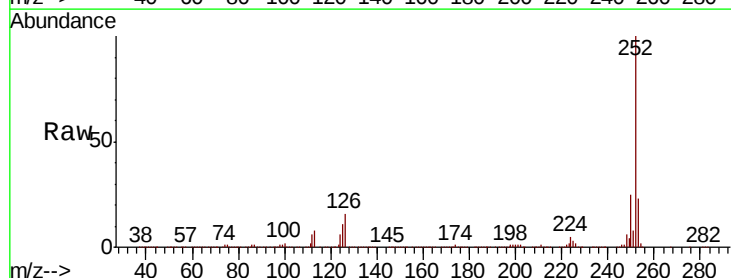
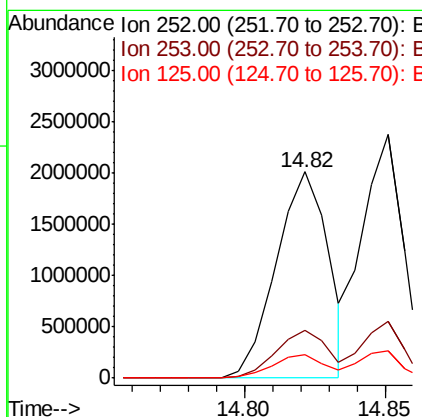
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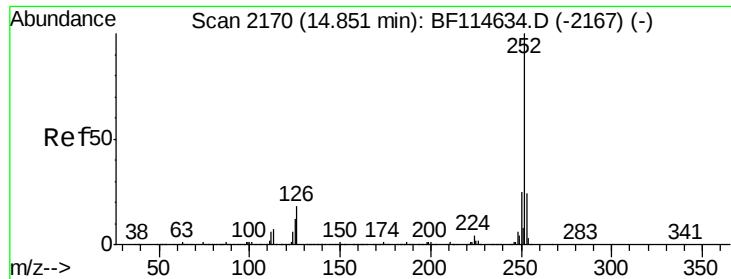
mohammad
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#88
Benzo(b)fluoranthene
Concen: 43.030 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	11.4	9.4	14.2





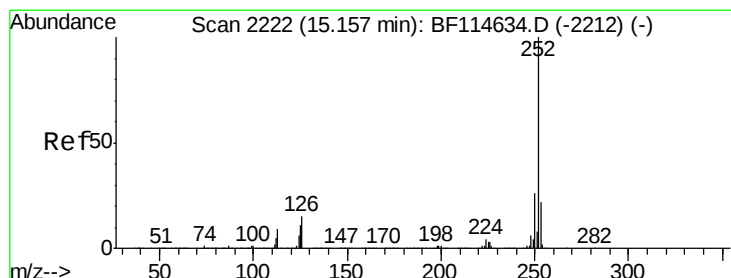
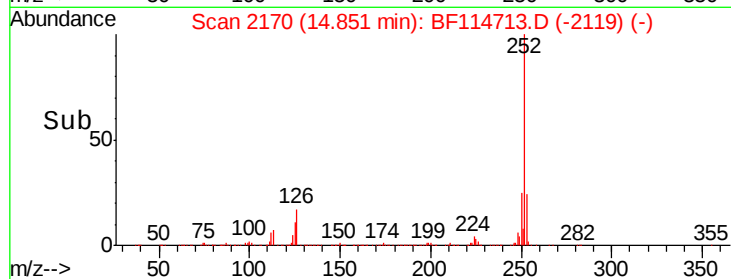
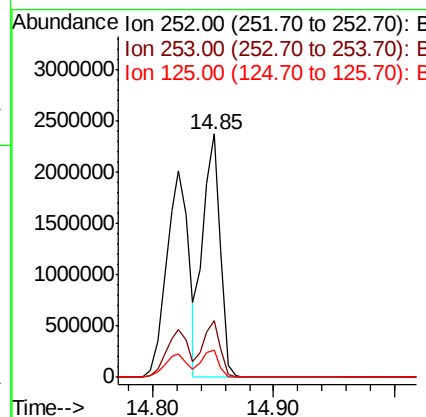
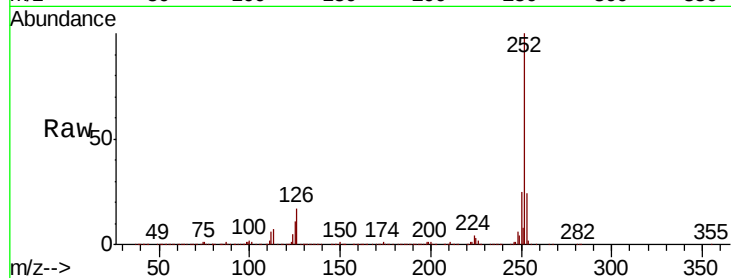
#89
Benzo(k)fluoranthene
Concen: 45.461 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	11.2	9.5	14.3

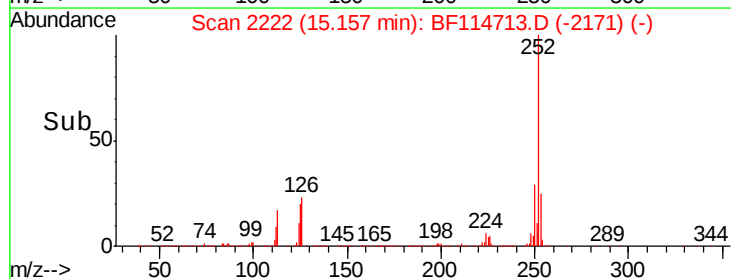
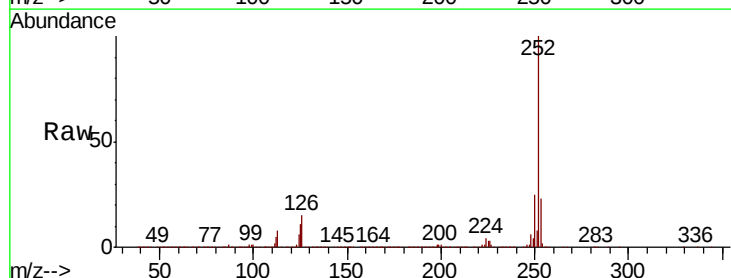
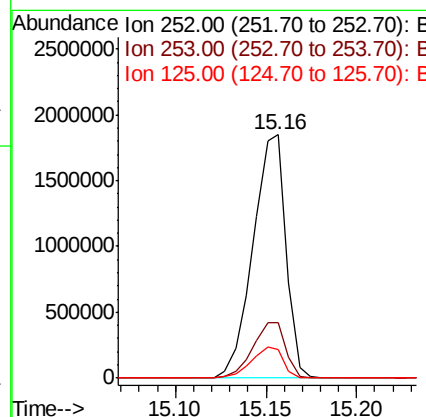
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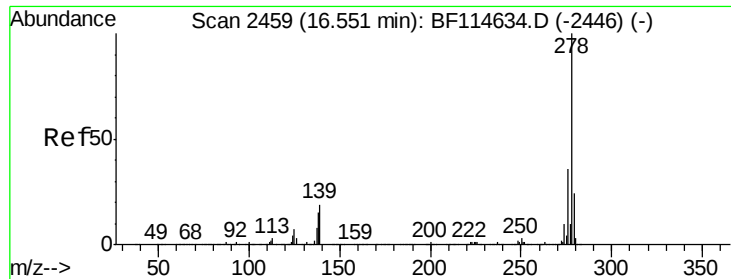
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#90
Benzo(a)pyrene
Concen: 44.174 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.5	9.2	13.8





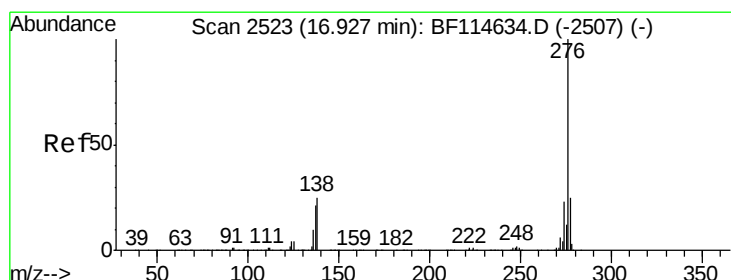
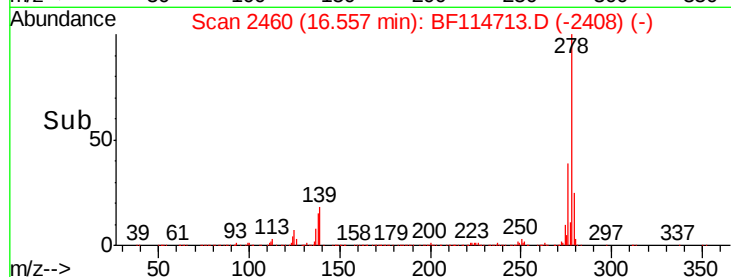
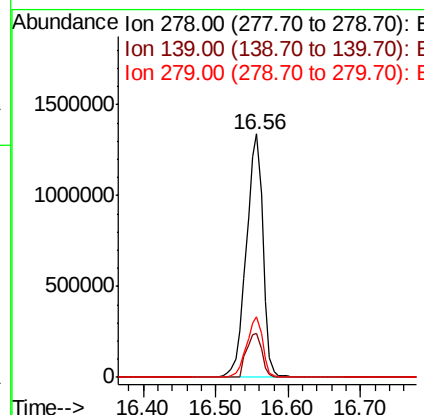
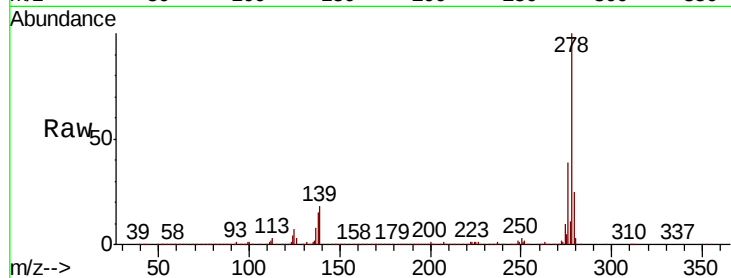
#91
Dibenzo(a,h)anthracene
Concen: 45.747 ng
RT: 16.56 min Scan# 2460
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Instrument :
BNA_F
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.9	22.3
279	24.7	19.5	29.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 49.063 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF114713.D
Acq: 31 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.7	29.5
138	24.3	19.8	29.8

