

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
 Data File : BF114646.D
 Acq On : 29 May 2019 21:23
 Operator : HP/JU
 Sample : K3068-08MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Manual Integrations
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 5/30/2019 12:47:58 PM

Quant Time: May 30 04:42:21 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	6.69	152	334038	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1314876	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	664937	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1349850	20.00	ng	0.00
76) Chrysene-d12	13.82	240	834199	20.00	ng	0.00
87) Perylene-d12	15.20	264	921087	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2368787	124.50	ng	0.01
7) Phenol-d6	6.33	99	3027231	132.04	ng	0.00
23) Nitrobenzene-d5	7.26	82	1878558	89.14	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	879478	138.81	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3187727	91.23	ng	0.00
79) Terphenyl-d14	12.78	244	3731138	84.09	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.37	88	326815	35.795 ng	100
3) Pyridine	3.06	79	914137	34.403 ng	99
4) n-Nitrosodimethylamine	2.99	42	446870	41.558 ng	99
6) Aniline	6.36	93	674441	19.475 ng	98
8) 2-Chlorophenol	6.48	128	986882	44.915 ng	98
9) Benzaldehyde	6.23	77	429915	31.166 ng	99
10) Phenol	6.35	94	1174450	42.405 ng	99
11) bis(2-Chloroethyl)ether	6.43	93	919560	43.407 ng	99
12) 1,3-Dichlorobenzene	6.63	146	1033145	41.271 ng	96
13) 1,4-Dichlorobenzene	6.71	146	1040133	41.418 ng	98
14) 1,2-Dichlorobenzene	6.87	146	968377	42.355 ng	99
15) Benzyl Alcohol	6.84	79	831459	46.105 ng	98
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1370826	42.189 ng	100
17) 2-Methylphenol	6.96	107	831523	44.744 ng	99
18) Hexachloroethane	7.21	117	386251	40.623 ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	685030	43.287 ng	99
20) 3+4-Methylphenols	7.11	107	927943	42.455 ng	88
22) Acetophenone	7.10	105	1266693	45.213 ng	# 98
24) Nitrobenzene	7.27	77	1013188	45.257 ng	97
25) Isophorone	7.52	82	1915811	45.296 ng	99
26) 2-Nitrophenol	7.59	139	526397	48.304 ng	100
27) 2,4-Dimethylphenol	7.64	122	920741	50.803 ng	98
28) bis(2-Chloroethoxy)methane	7.73	93	1192477	44.290 ng	99
29) 2,4-Dichlorophenol	7.83	162	861670	46.709 ng	98
30) 1,2,4-Trichlorobenzene	7.92	180	921639	43.851 ng	99
31) Naphthalene	8.00	128	2669305	44.073 ng	100
32) Benzoic acid	7.73	122	192988	16.394 ng	97
33) 4-Chloroaniline	8.04	127	251277	8.708 ng	99
34) Hexachlorobutadiene	8.13	225	495867	42.470 ng	99
35) Caprolactam	8.42	113	299179m	48.057 ng	
36) 4-Chloro-3-methylphenol	8.53	107	905767	48.960 ng	97
37) 2-Methylnaphthalene	8.69	142	1903023	47.291 ng	99
38) 1-Methylnaphthalene	8.79	142	1802224	47.269 ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	769415	43.451 ng	99

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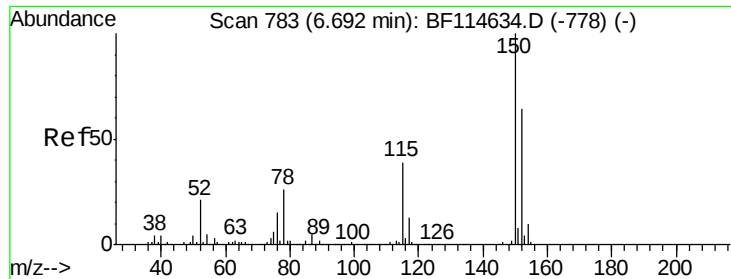
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	862596	73.716	nq	99
43) 2,4,6-Trichlorophenol	8.96	196	648899	46.572	nq	99
44) 2,4,5-Trichlorophenol	9.00	196	675830	48.607	nq	98
46) 1,1'-Biphenyl	9.15	154	2207419	44.722	nq	100
47) 2-Chloronaphthalene	9.17	162	1792505	44.272	nq	100
48) 2-Nitroaniline	9.26	65	560840	44.886	nq	99
49) Acenaphthylene	9.59	152	2775017	44.365	nq	99
50) Dimethylphthalate	9.46	163	2669614	57.617	nq	98
51) 2,6-Dinitrotoluene	9.51	165	518340	48.145	nq	97
52) Acenaphthene	9.76	154	1823953	47.547	nq	100
53) 3-Nitroaniline	9.67	138	275610	20.916	nq	99
54) 2,4-Dinitrophenol	9.77	184	331138	77.976	nq	# 89
55) Dibenzofuran	9.93	168	2494240	45.678	nq	99
56) 4-Nitrophenol	9.84	139	937331	95.991	nq	92
57) 2,4-Dinitrotoluene	9.91	165	693307	50.176	nq	96
58) Fluorene	10.27	166	1692202	47.578	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	579460	50.916	nq	99
60) Diethylphthalate	10.16	149	2227751	47.076	nq	99
61) 4-Chlorophenyl-phenylether	10.26	204	844875	46.922	nq	100
62) 4-Nitroaniline	10.29	138	551660	42.964	nq	98
63) Azobenzene	10.42	77	2027734	46.671	nq	100
65) 4,6-Dinitro-2-methylphenol	10.32	198	290198	48.484	nq	82
66) n-Nitrosodiphenylamine	10.38	169	1822215	45.691	nq	100
67) 4-Bromophenyl-phenylether	10.75	248	626044	43.249	nq	99
68) Hexachlorobenzene	10.82	284	674110	42.996	nq	97
69) Atrazine	10.91	200	586245	48.199	nq	99
70) Pentachlorophenol	11.00	266	773907	85.629	nq	98
71) Phenanthrene	11.22	178	2821803	40.980	nq	99
72) Anthracene	11.27	178	2911430	41.776	nq	99
73) Carbazole	11.42	167	2727651	44.534	nq	99
74) Di-n-butylphthalate	11.77	149	3358253	45.547	nq	100
75) Fluoranthene	12.40	202	3011990	42.244	nq	99
77) Benzidine	12.52	184	1148570	33.436	nq	98
78) Pyrene	12.63	202	3048758	43.204	nq	99
80) Butylbenzylphthalate	13.26	149	1628284	45.913	nq	98
81) Benzo(a)anthracene	13.81	228	2739347	42.732	nq	100
82) 3,3'-Dichlorobenzidine	13.77	252	453705	18.327	nq	98
83) Chrysene	13.84	228	2605139	42.535	nq	99
84) Bis(2-ethylhexyl)phthalate	13.83	149	2082555	47.499	nq	# 99
85) Di-n-octyl phthalate	14.43	149	3533943	46.391	nq	99
86) Indeno(1,2,3-cd)pyrene	16.53	276	2579518	42.051	nq	100
88) Benzo(b)fluoranthene	14.82	252	2812865	48.486	nq	99
89) Benzo(k)fluoranthene	14.84	252	2118850	42.021	nq	99
90) Benzo(a)pyrene	15.15	252	2332577	45.769	nq	97
91) Dibenzo(a,h)anthracene	16.55	278	2134664	47.400	nq	99
92) Benzo(g,h,i)perylene	16.93	276	2159564	49.407	nq	99

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



#1

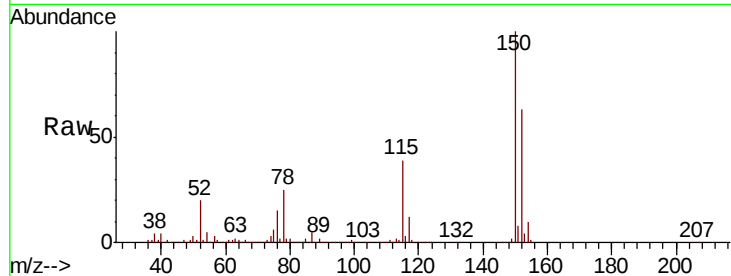
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.4	186.6
115	61.8	48.7	73.1

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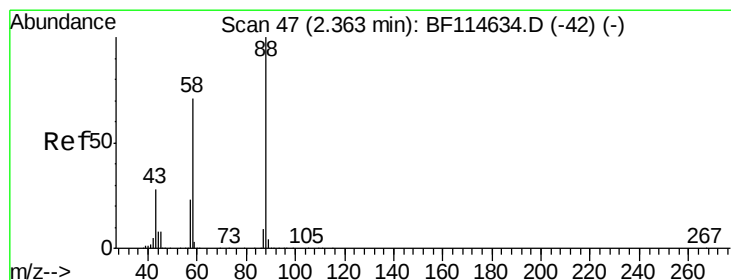
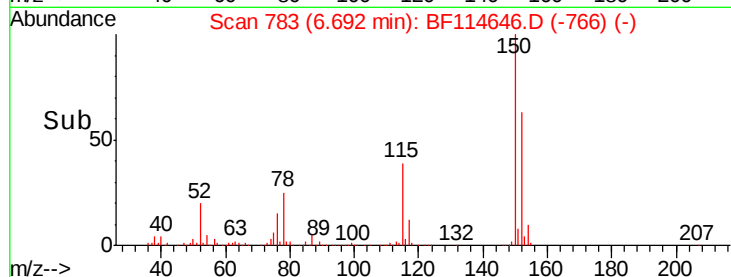
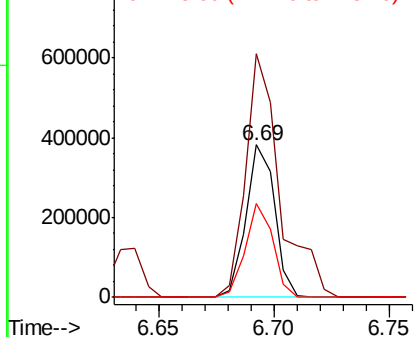


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

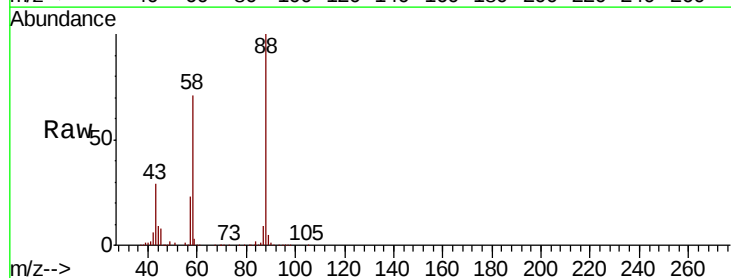
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 35.795 ng
RT: 2.37 min Scan# 48
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.1	57.2	85.8
43	28.1	22.6	33.8

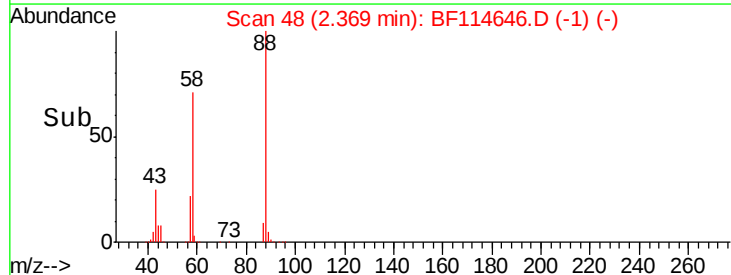
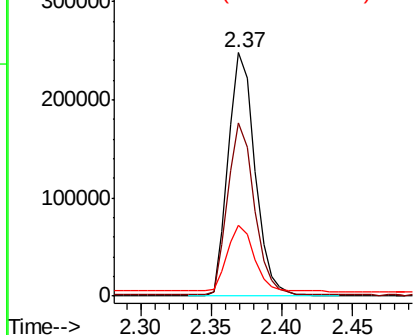


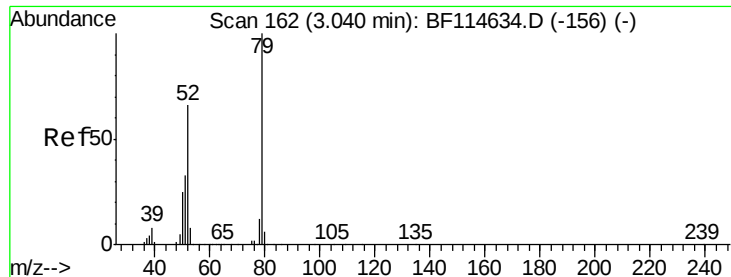
Abundance

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: 34.403 ng

RT: 3.06 min Scan# 166

Delta R.T. 0.02 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

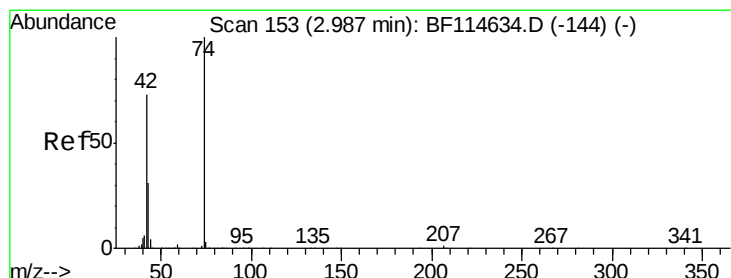
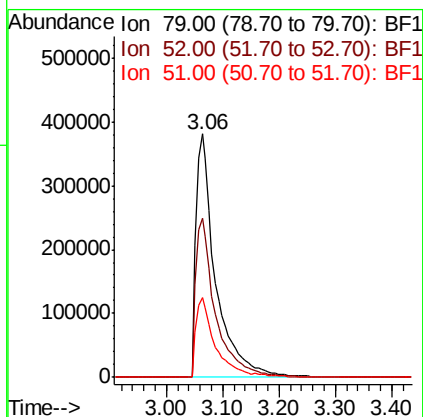
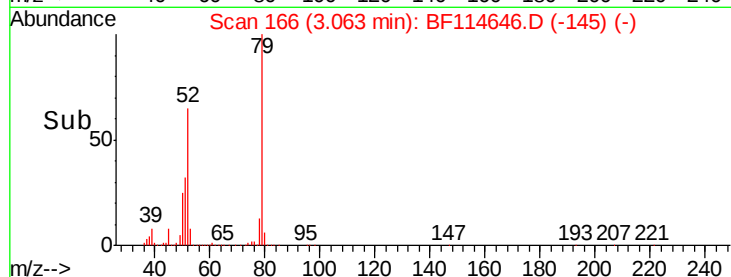
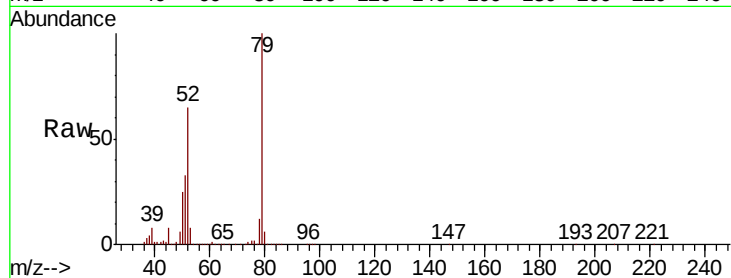
ClientSampleId :

B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	65.2	52.8	79.2
51	32.6	26.3	39.5

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#4

n-Nitrosodimethylamine

Concen: 41.558 ng

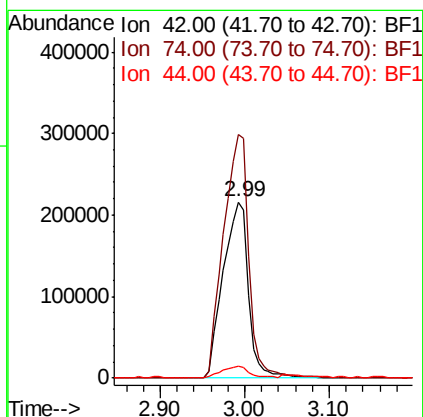
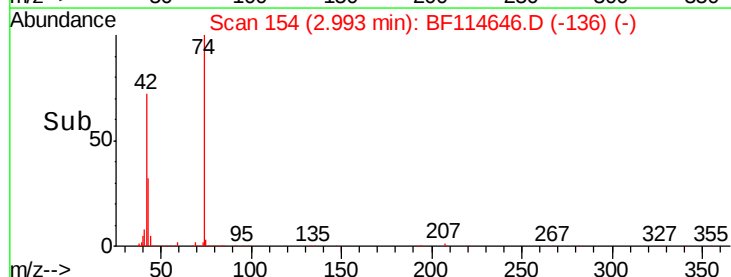
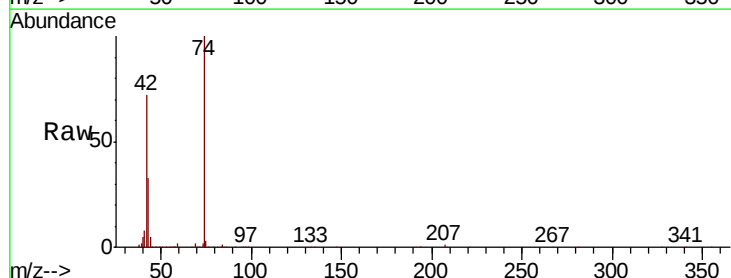
RT: 2.99 min Scan# 154

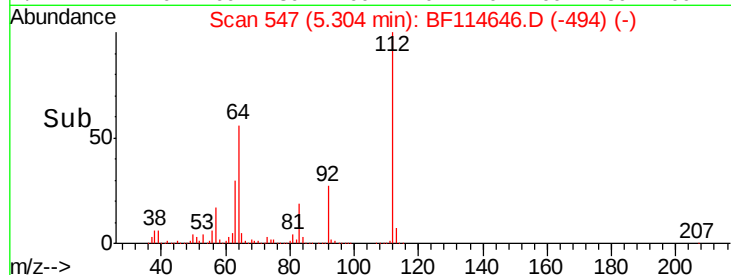
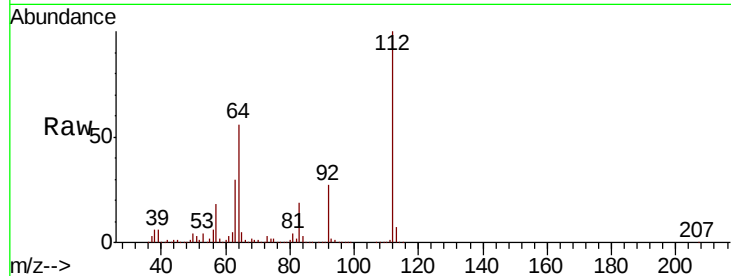
Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.3	110.0	165.0
44	6.9	5.6	8.4





#5

2-Fluorophenol

Concen: 124.504 ng

RT: 5.30 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tot Ion:	112	Resp:	2368787
Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.1	69.1
63	29.8	23.4	35.2

Instrument :

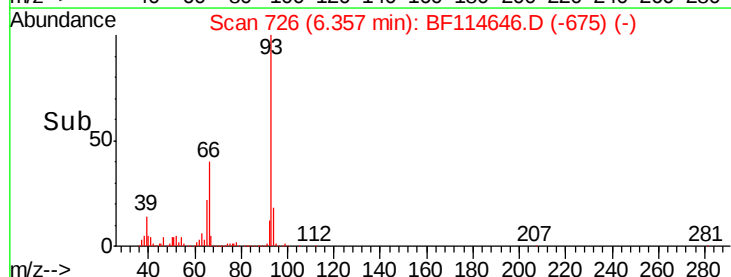
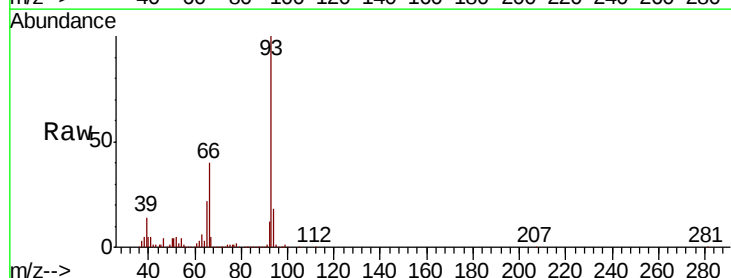
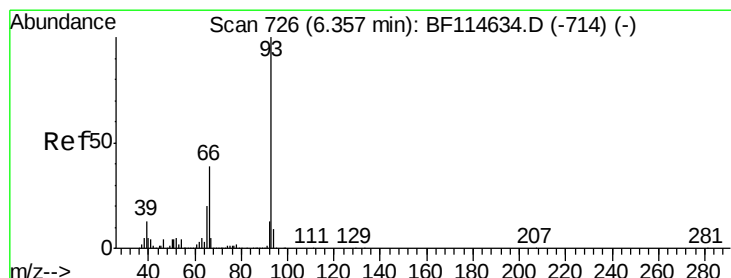
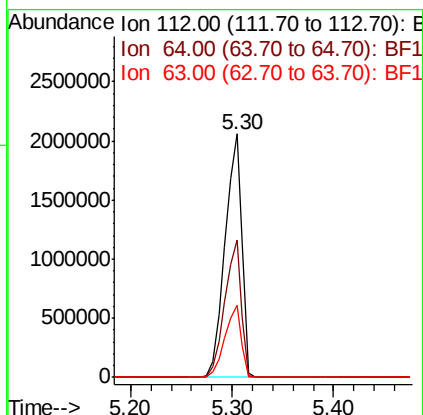
BNA_F

ClientSampled :

B-4W(3-4)MSD

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#6

Aniline

Concen: 19.475 ng

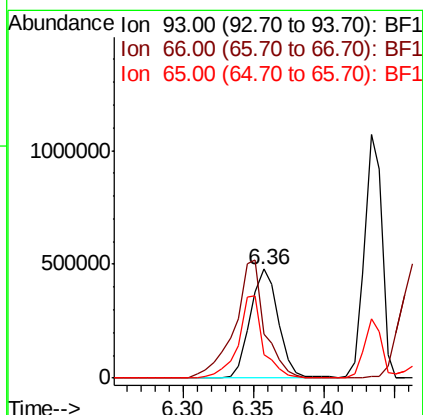
RT: 6.36 min Scan# 726

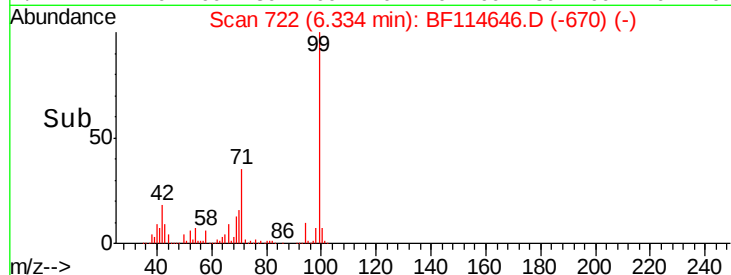
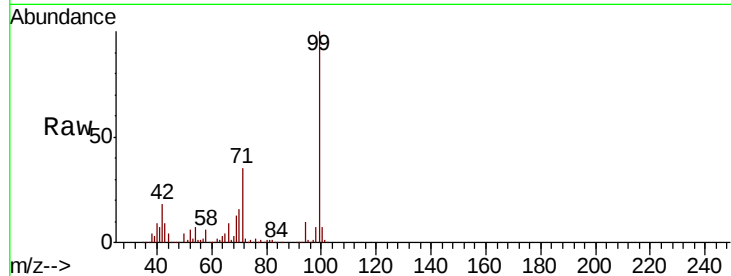
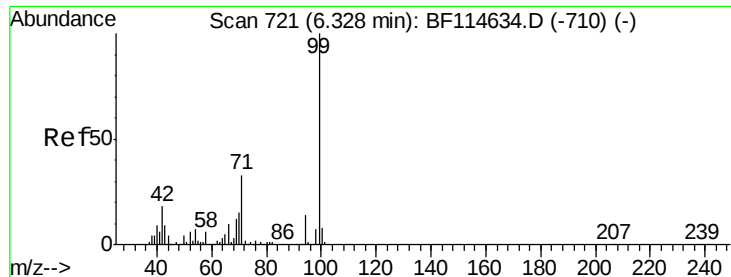
Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:	93	Resp:	674441
Ion	Ratio	Lower	Upper
93	100		
66	40.3	31.4	47.2
65	21.6	16.2	24.2





#7

Phenol-d6

Concen: 132.039 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tot Ion: 99 Resp: 3027231

Ion Ratio Lower Upper

99 100

42 18.3 14.7 22.1

71 34.7 26.6 40.0

Instrument :

BNA_F

ClientSampleId :

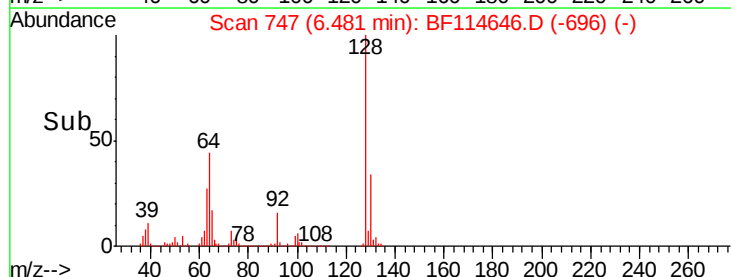
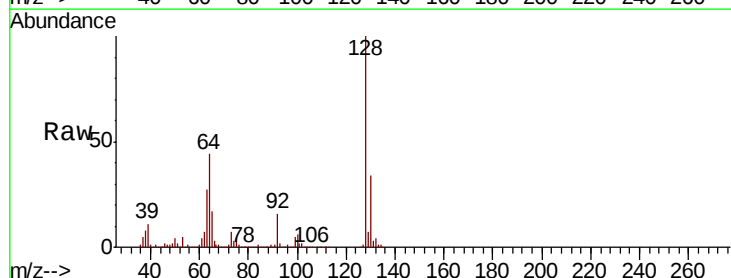
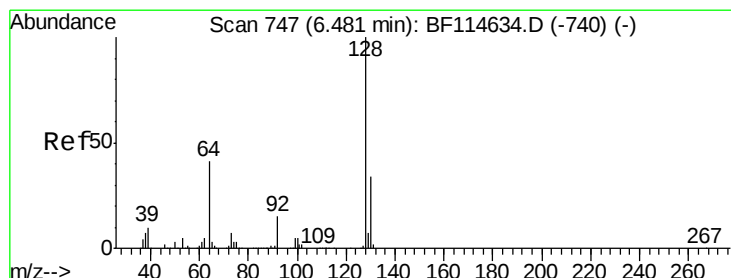
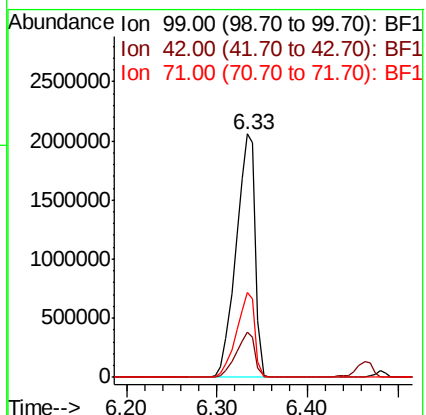
B-4W(3-4)MSD

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#8

2-Chlorophenol

Concen: 44.915 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

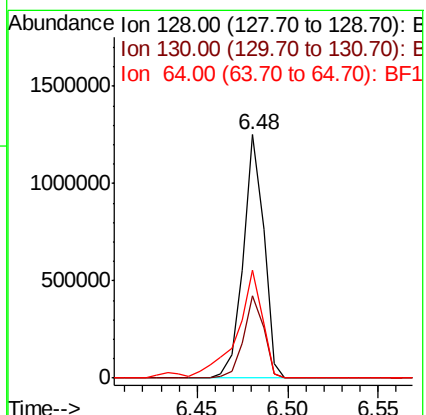
Tgt Ion: 128 Resp: 986882

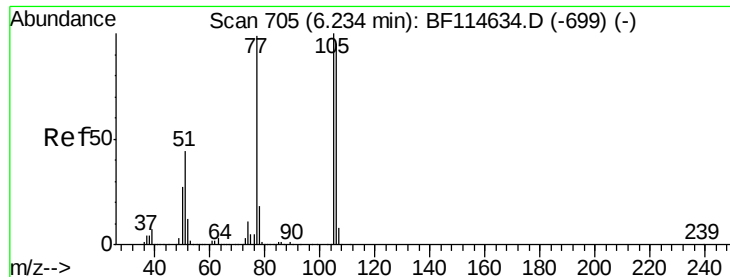
Ion Ratio Lower Upper

128 100

130 33.6 13.9 53.9

64 44.1 22.0 62.0





#9

Benzaldehyde

Concen: 31.166 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

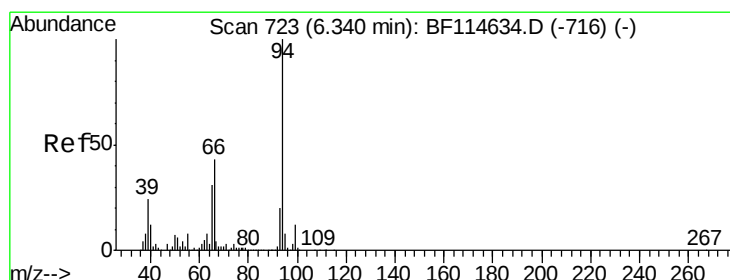
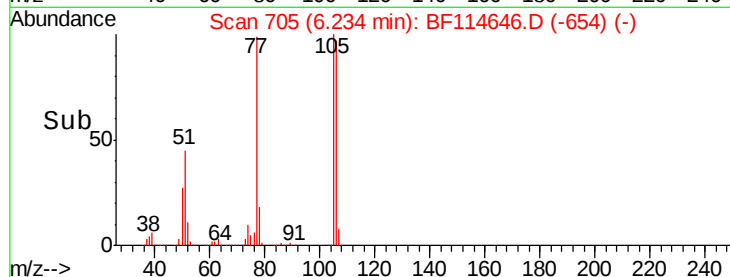
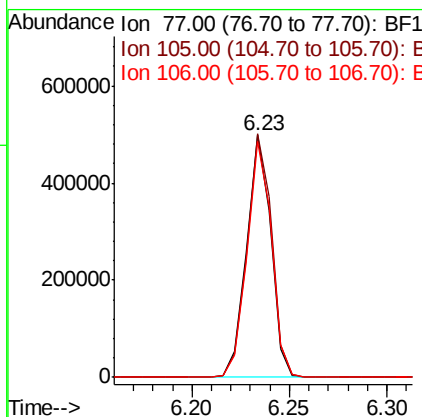
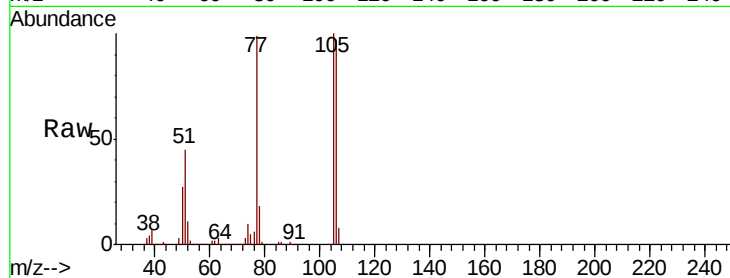
ClientSampleId :

B-4W(3-4)MSD

Tot Ion:	77	Resp:	429915
Ion	Ratio	Lower	Upper
77	100		
105	100.6	80.8	120.8
106	97.3	76.2	116.2

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#10

Phenol

Concen: 42.405 ng

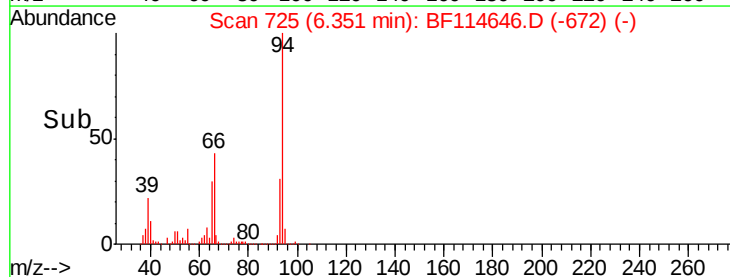
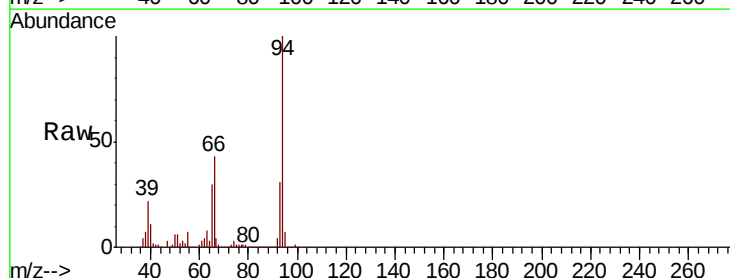
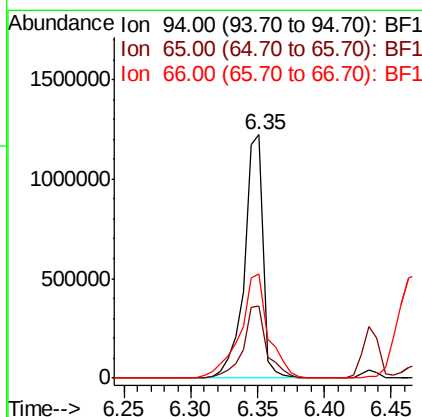
RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:	94	Resp:	1174450
Ion	Ratio	Lower	Upper
94	100		
65	29.8	11.0	51.0
66	42.7	23.0	63.0





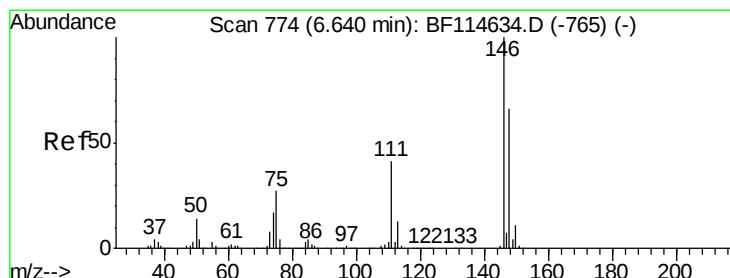
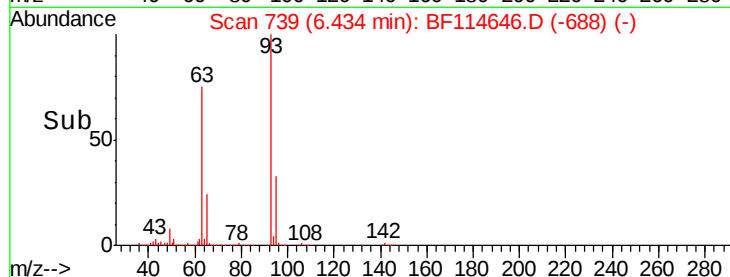
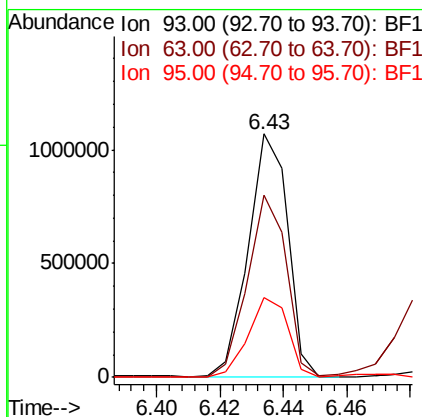
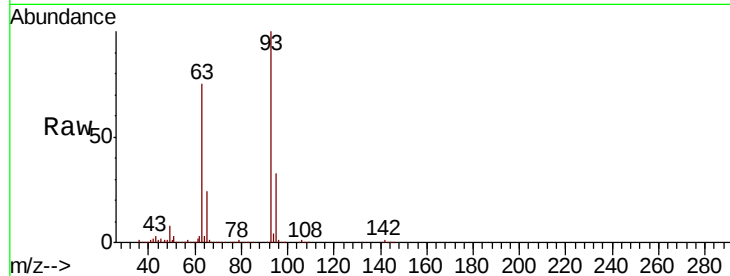
#11
bis(2-Chloroethyl)ether
Concen: 43.407 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampled :
B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	919560		
63	74.6	55.0	95.0	
95	32.9	13.5	53.5	

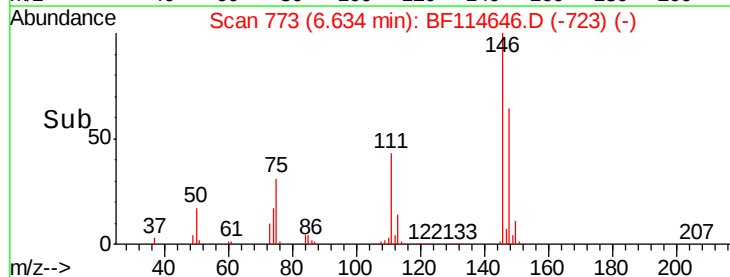
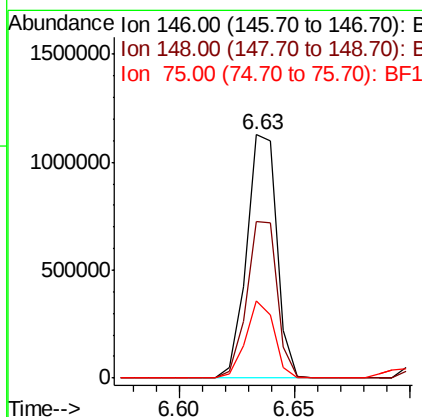
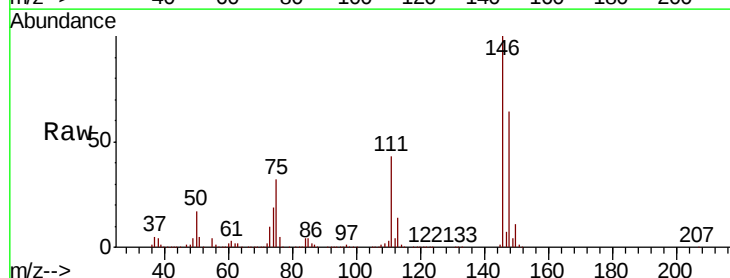
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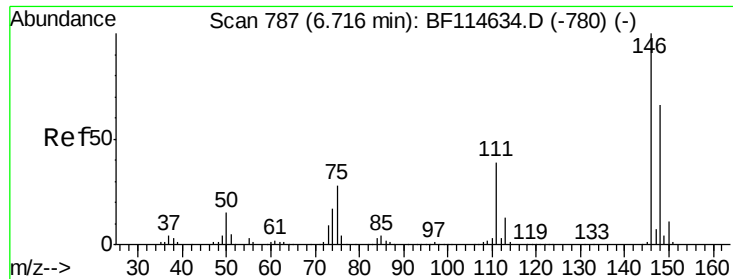
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.271 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	1033145		
148	64.2	52.9	79.3	
75	31.7	22.0	33.0	





#13

1,4-Dichlorobenzene

Concen: 41.418 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:146 Resp: 1040133

Ion Ratio Lower Upper

146 100

148 65.6 52.5 78.7

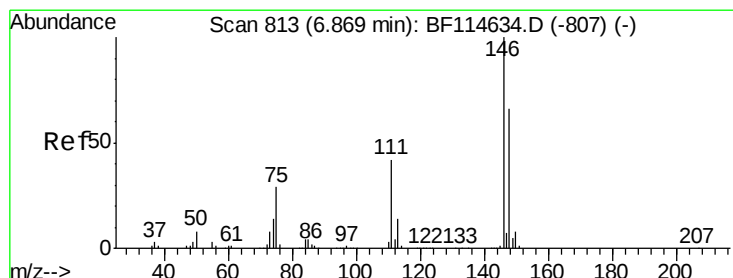
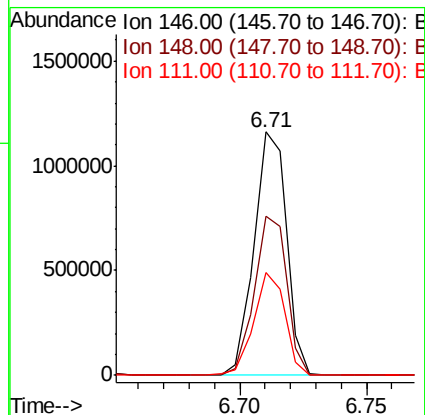
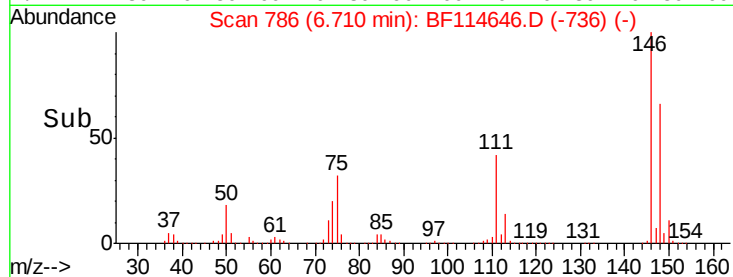
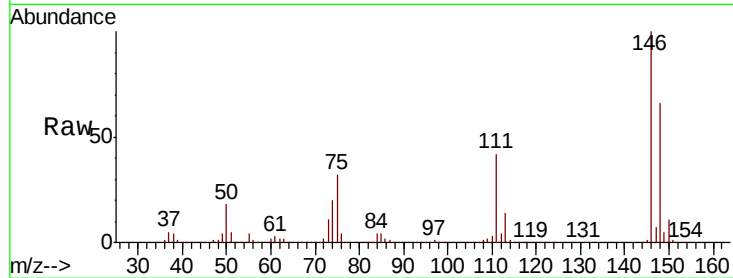
111 42.4 31.4 47.2

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#14

1,2-Dichlorobenzene

Concen: 42.355 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

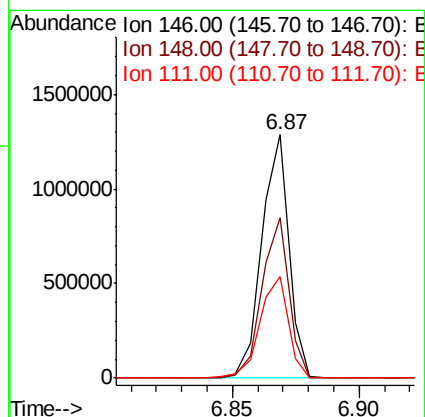
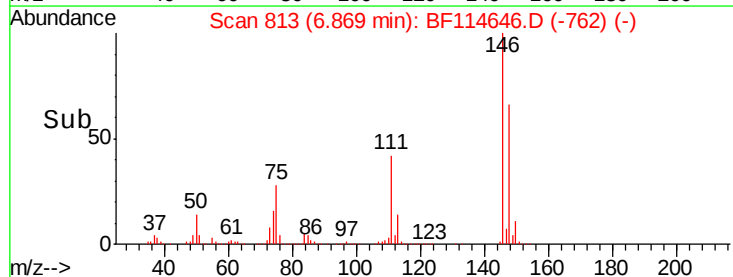
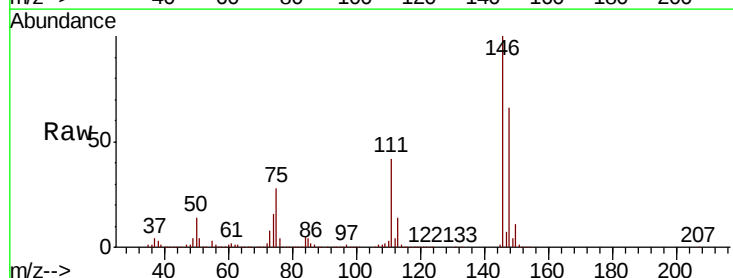
Tgt Ion:146 Resp: 968377

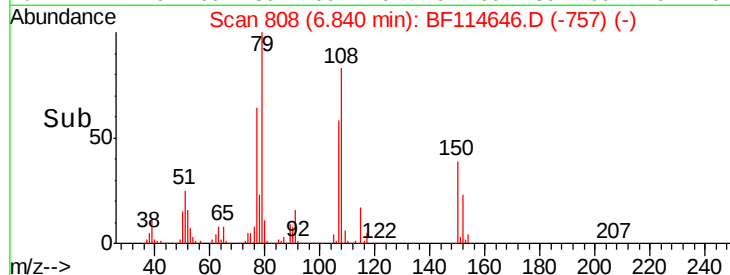
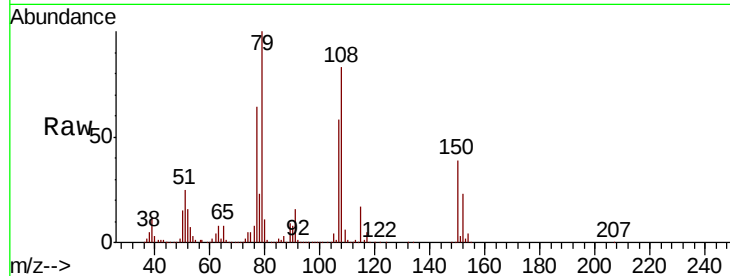
Ion Ratio Lower Upper

146 100

148 65.9 52.6 79.0

111 41.7 34.1 51.1





#15

Benzyl Alcohol

Concen: 46.105 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tot Ion:	79	Resp:	831459
Ion Ratio	Lower	Upper	
79	100		
108	82.7	67.8	101.8
77	63.8	50.7	76.1

Instrument :

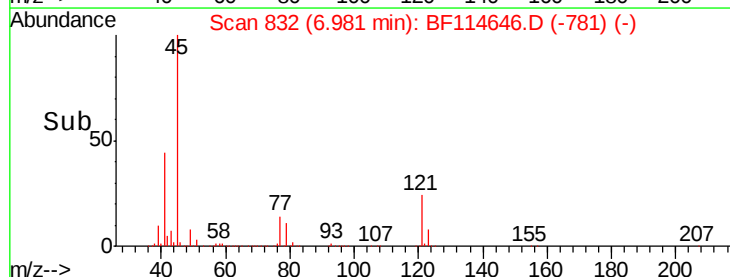
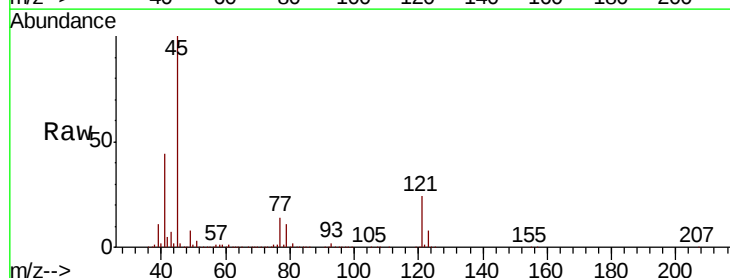
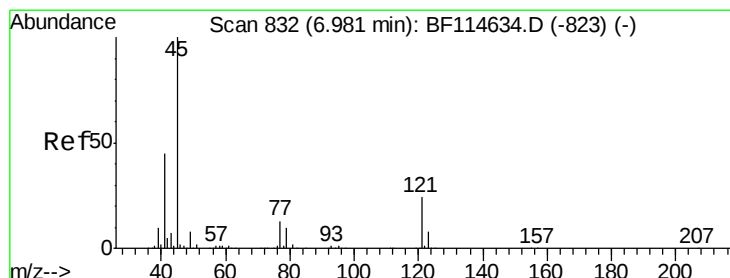
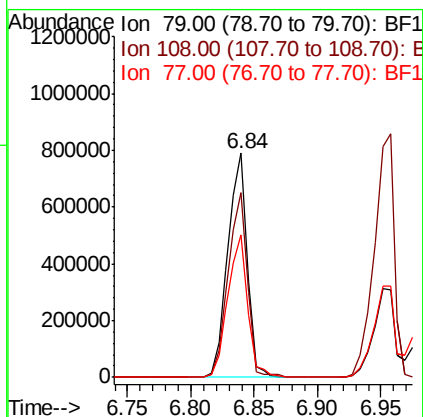
BNA_F

ClientSampleId :

B-4W(3-4)MSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.189 ng

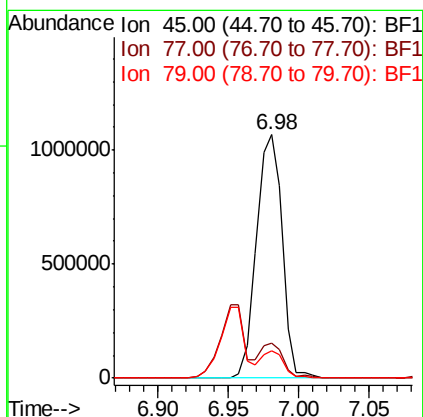
RT: 6.98 min Scan# 832

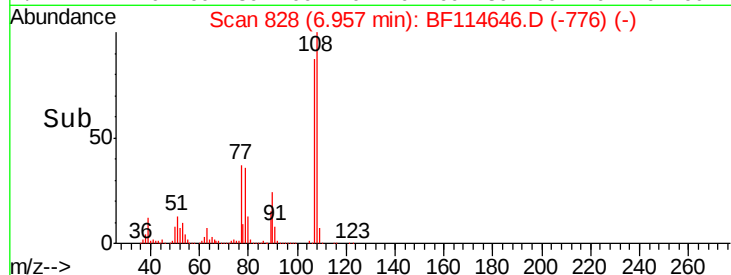
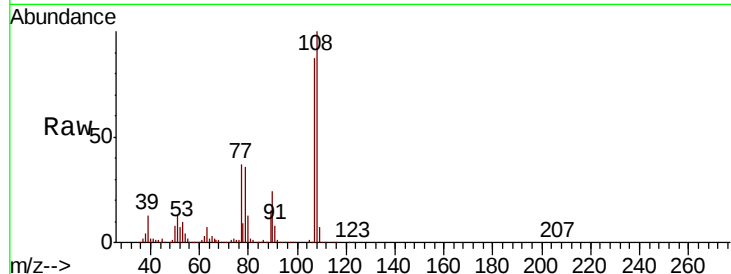
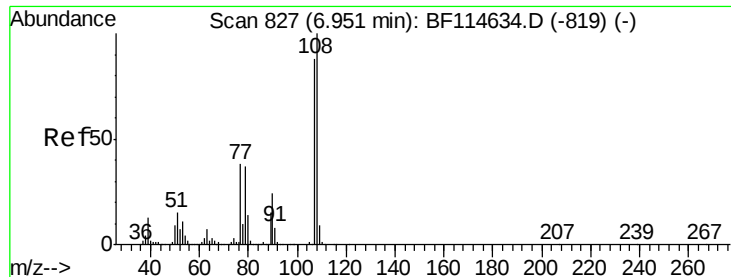
Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

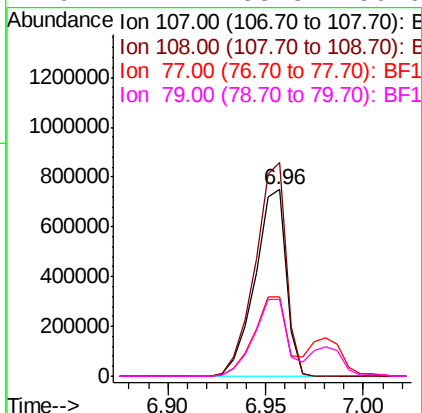
Tgt Ion:	45	Resp:	1370826
Ion Ratio	Lower	Upper	
45	100		
77	14.5	0.0	34.7
79	11.3	0.0	31.3





#17
2-Methylphenol
Concen: 44.744 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

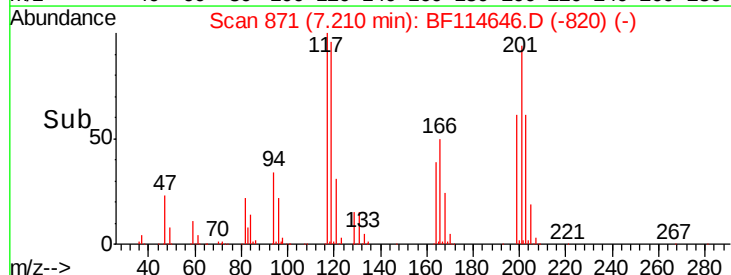
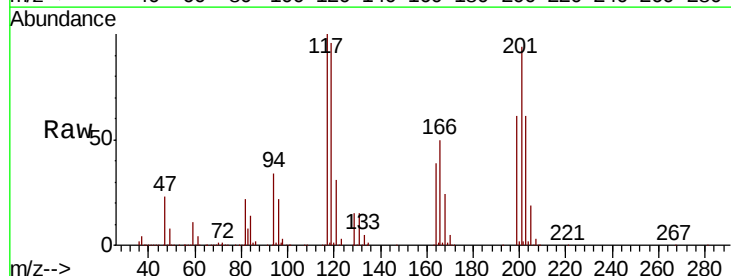
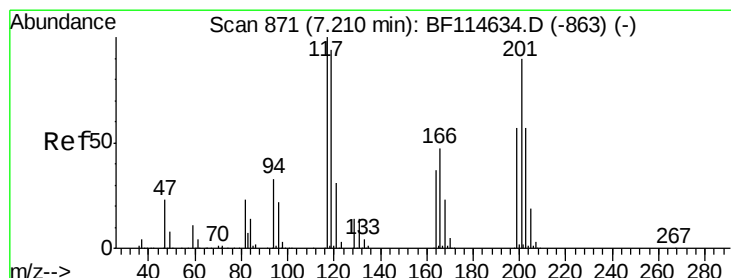
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.5	91.1	136.7	
77	42.8	34.9	52.3	
79	41.2	33.8	50.6	



Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

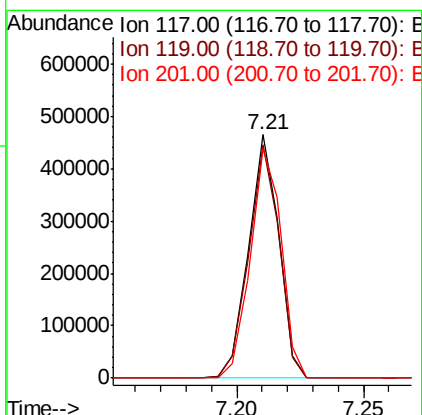
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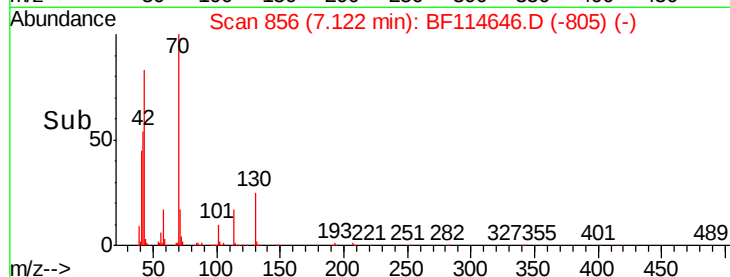
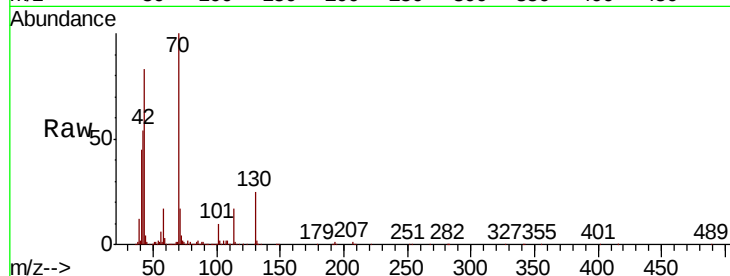
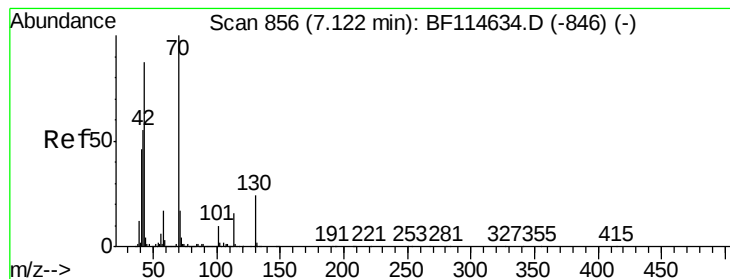
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#18
Hexachloroethane
Concen: 40.623 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	75.6	113.4	
201	94.3	71.7	107.5	





#19

n-Nitroso-di-n-propylamine

Concen: 43.287 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion: 70 Resp: 685030

Ion Ratio Lower Upper

70 100

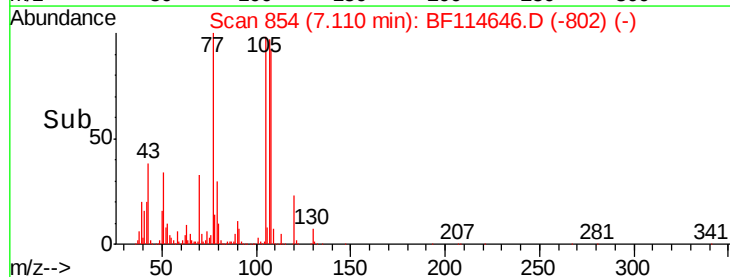
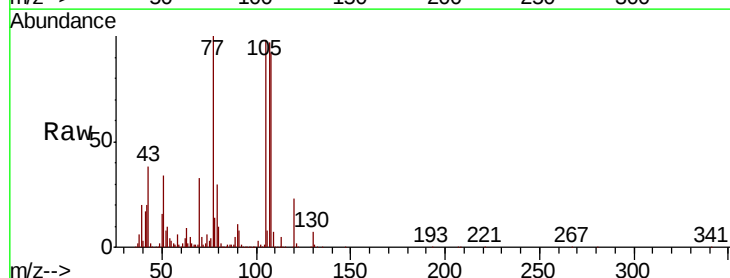
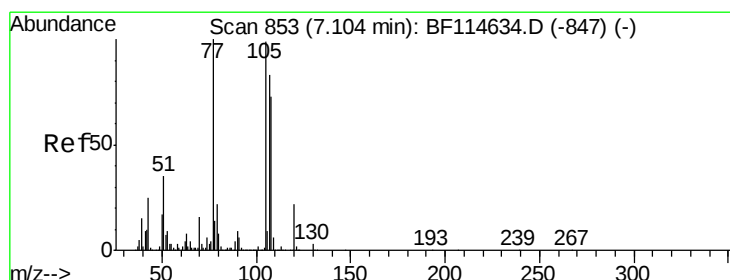
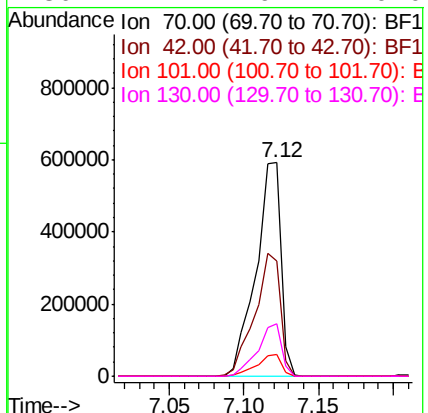
42 54.2 44.4 66.6

101 10.3 8.2 12.4

130 24.7 19.4 29.0

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#20

3+4-Methylphenols

Concen: 42.455 ng

RT: 7.11 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion: 107 Resp: 927943

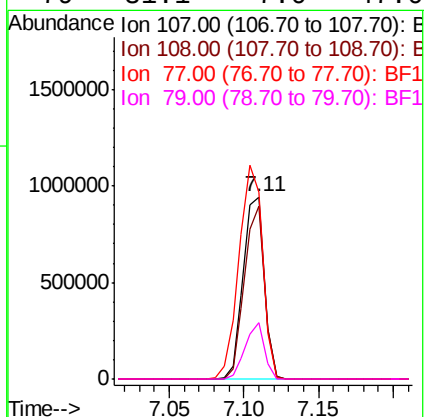
Ion Ratio Lower Upper

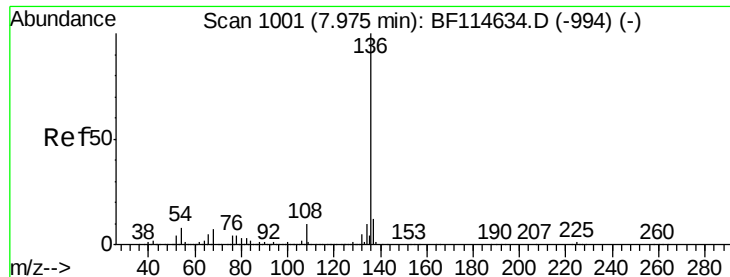
107 100

108 95.2 68.6 108.6

77 103.0 100.5 140.5

79 31.1 7.0 47.0





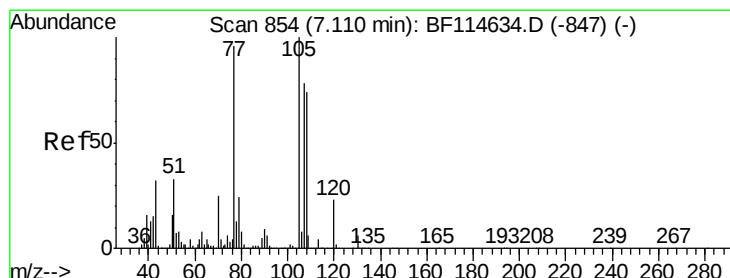
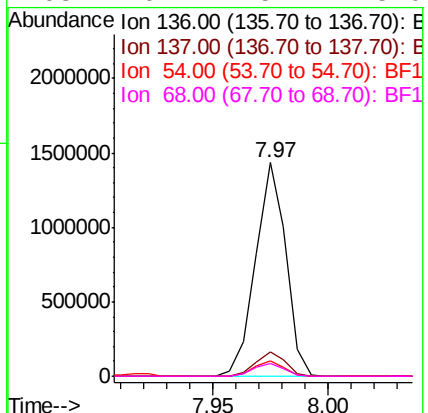
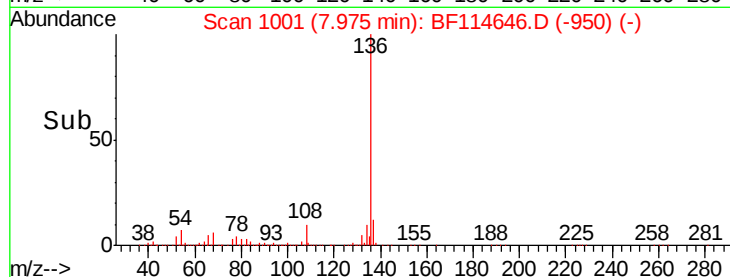
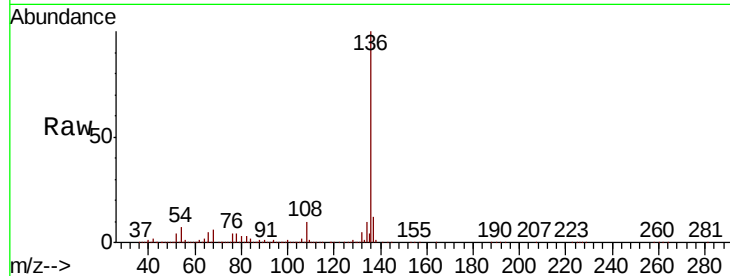
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	7.3	6.3	9.5
68	6.2	5.4	8.0

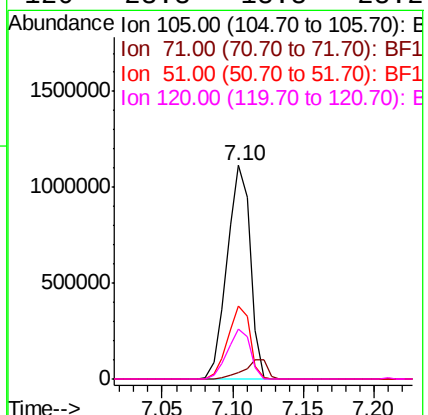
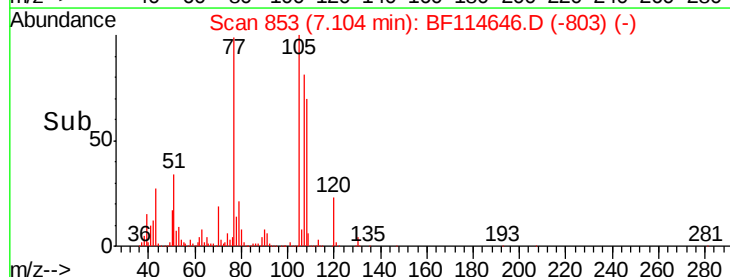
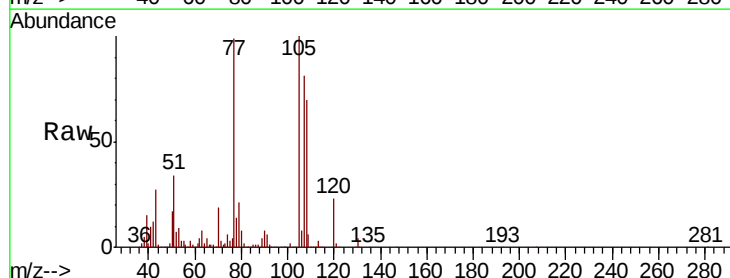
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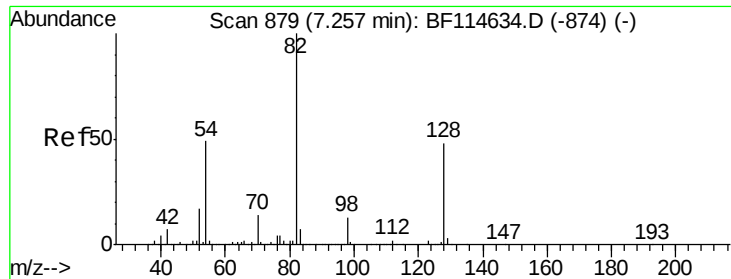
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#22
Acetophenone
Concen: 45.213 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.6	5.4#
51	34.5	26.0	39.0
120	23.3	18.8	28.2





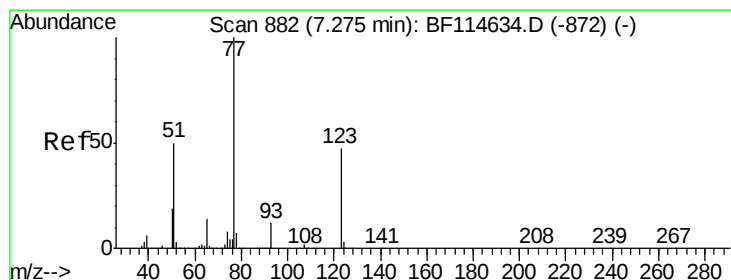
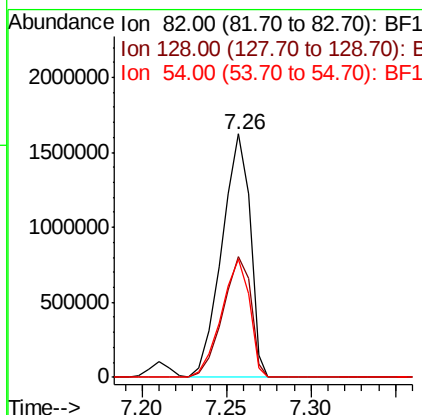
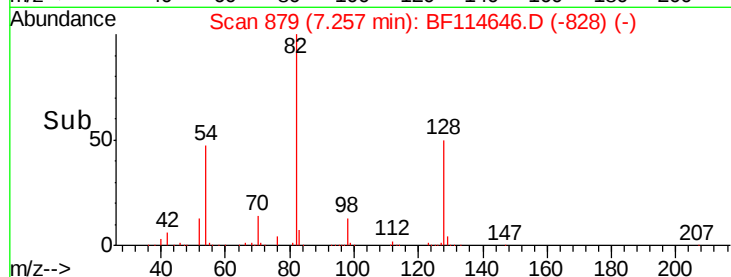
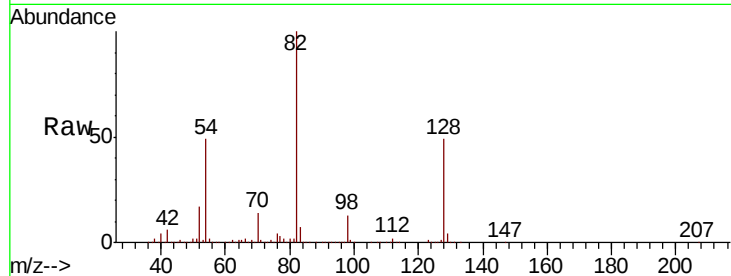
#23
 Nitrobenzene-d5
 Concen: 89.135 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	38.5	57.7
54	48.6	39.1	58.7

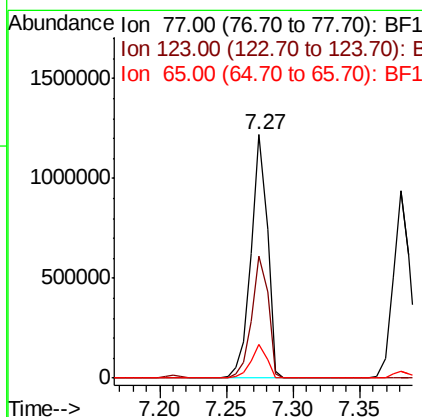
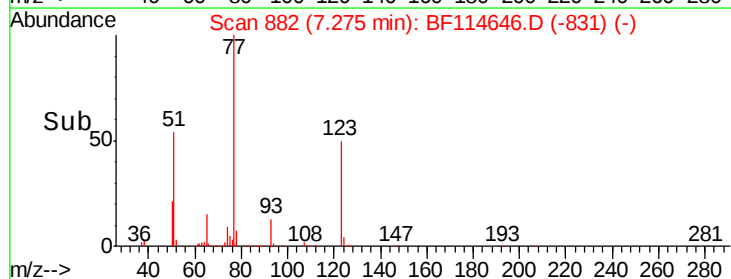
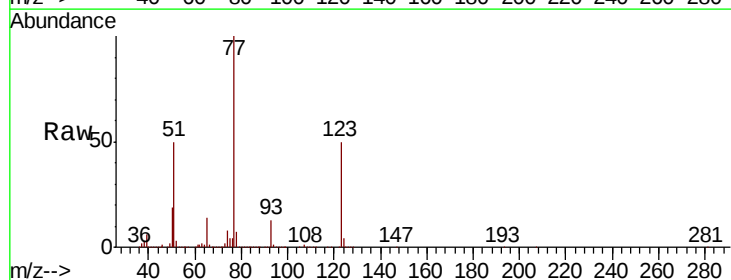
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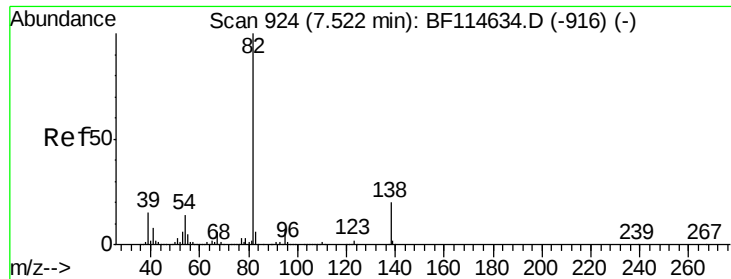
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#24
 Nitrobenzene
 Concen: 45.257 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.2	38.5	57.7
65	13.8	11.2	16.8





#25

Isophorone

Concen: 45.296 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion: 82 Resp: 1915811

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

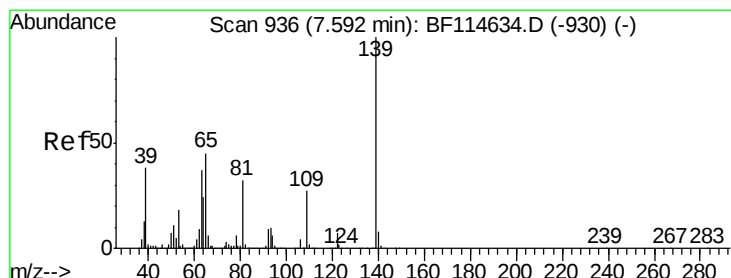
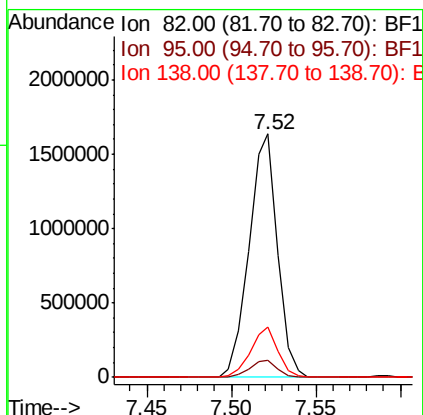
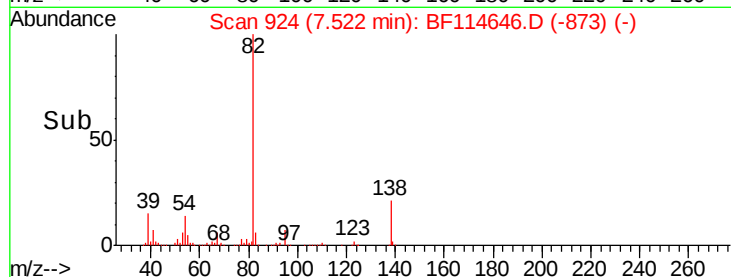
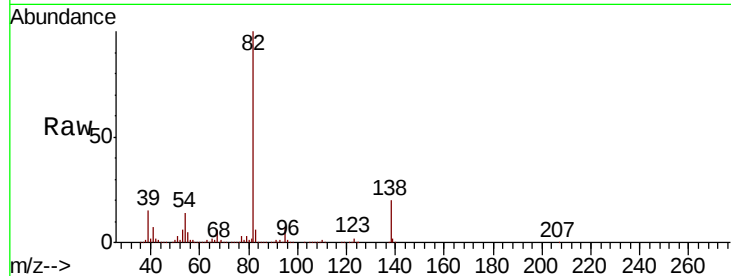
138 20.5 15.9 23.9

Manual Integrations

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#26

2-Nitrophenol

Concen: 48.304 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

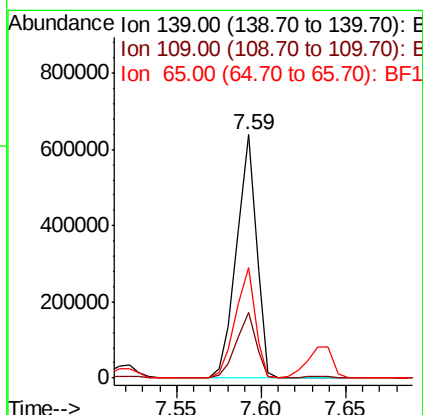
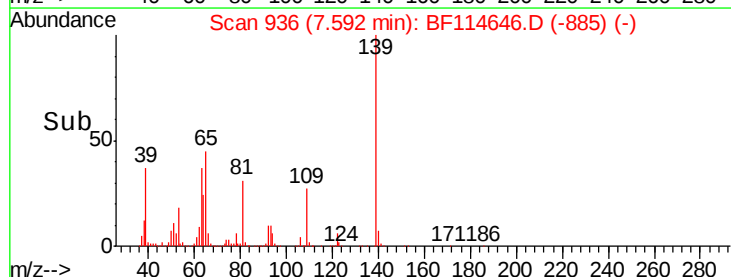
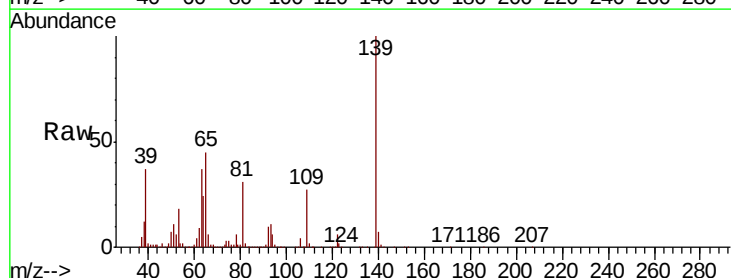
Tgt Ion: 139 Resp: 526397

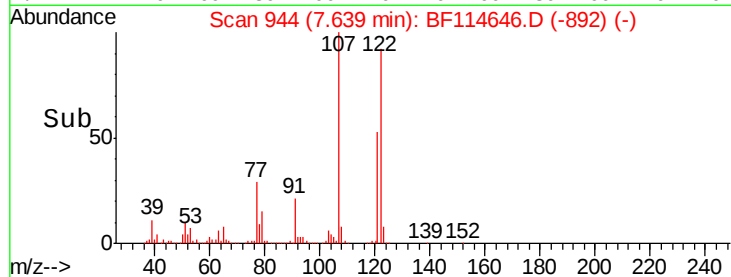
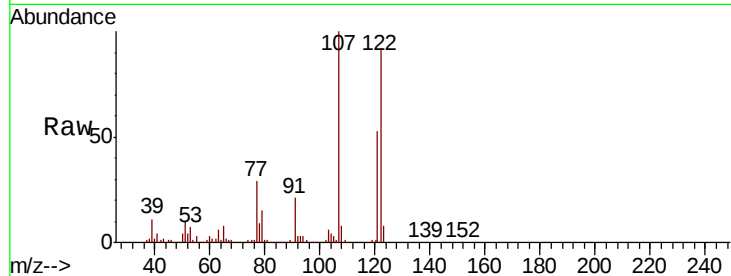
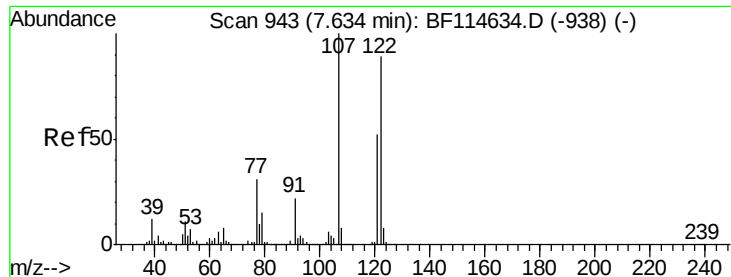
Ion Ratio Lower Upper

139 100

109 27.0 21.7 32.5

65 45.4 36.3 54.5





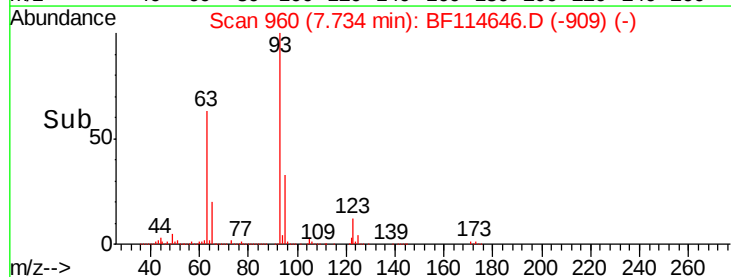
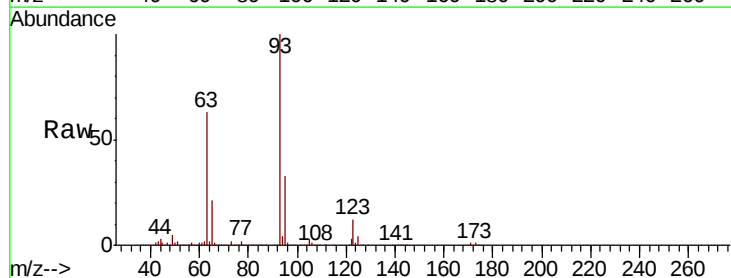
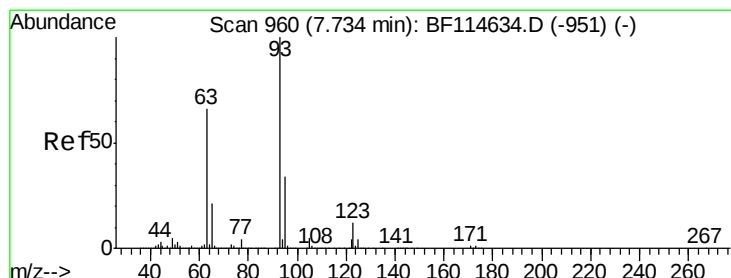
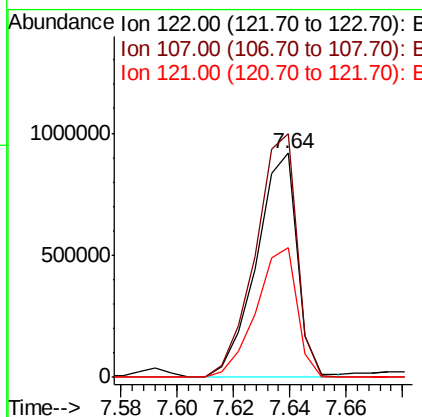
#27
2,4-Dimethylphenol
Concen: 50.803 ng
RT: 7.64 min Scan# 944
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.6	89.3	133.9
121	58.0	46.8	70.2

Instrument :
BNA_F
ClientSampled :
B-4W(3-4)MSD

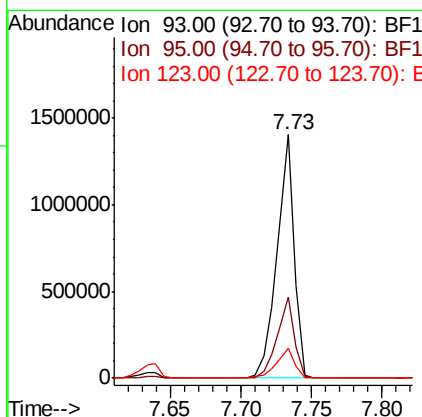
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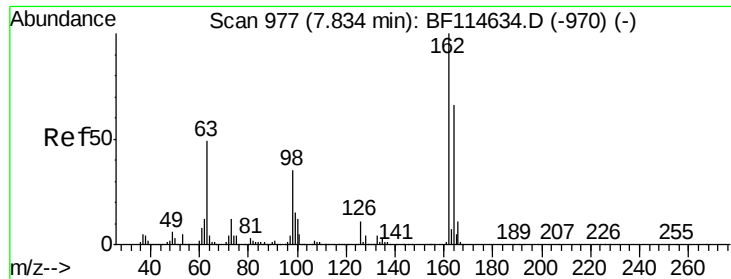
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#28
bis(2-Chloroethoxy)methane
Concen: 44.290 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	27.0	40.4
123	12.1	10.2	15.2





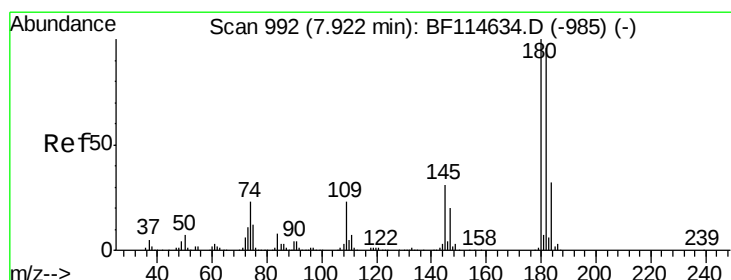
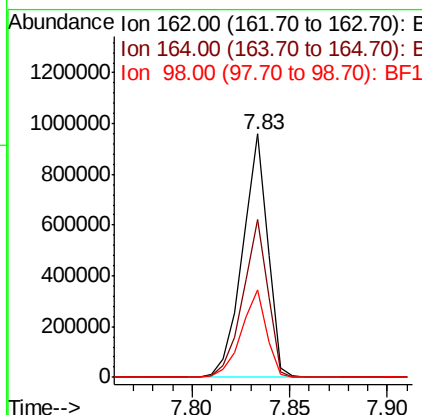
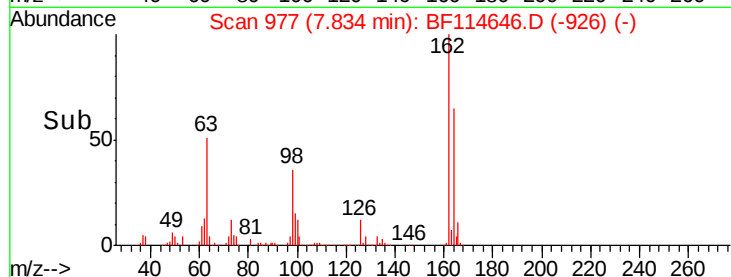
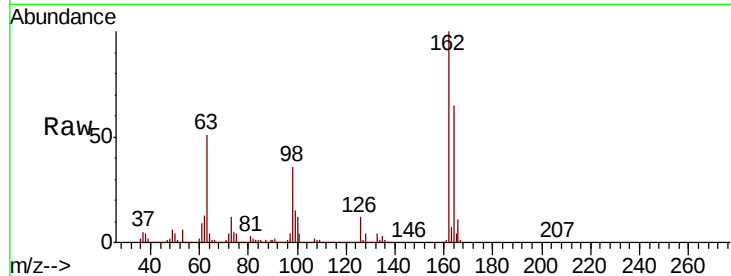
#29
2,4-Dichlorophenol
Concen: 46.709 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	861670		
164	64.8	45.8	85.8	
98	36.1	14.9	54.9	

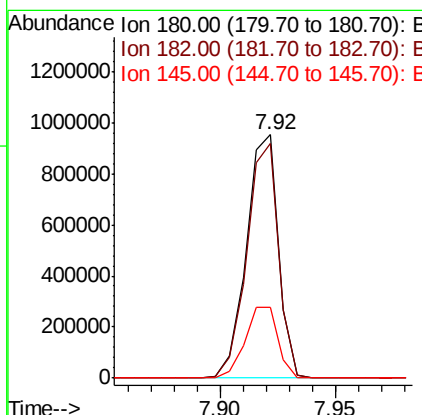
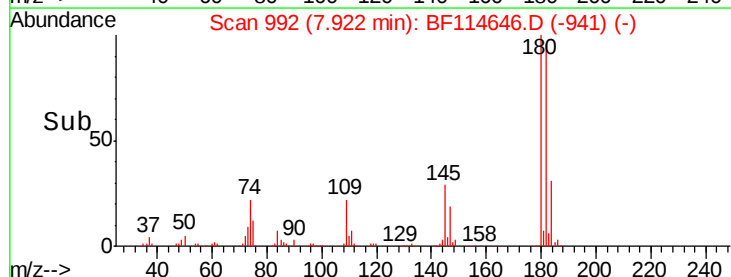
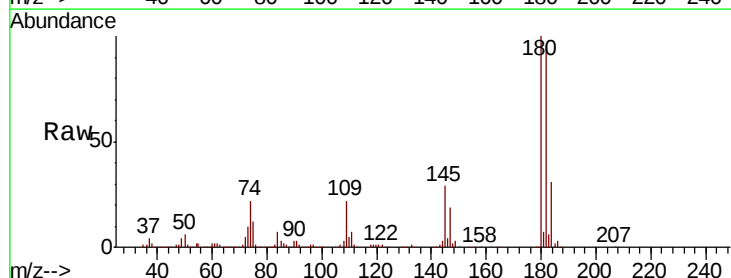
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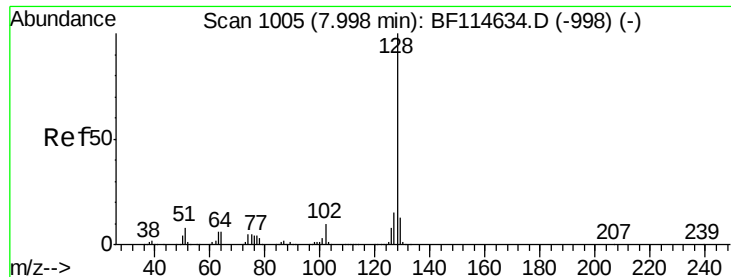
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#30
1,2,4-Trichlorobenzene
Concen: 43.851 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	921639		
182	96.3	76.9	115.3	
145	29.3	24.5	36.7	





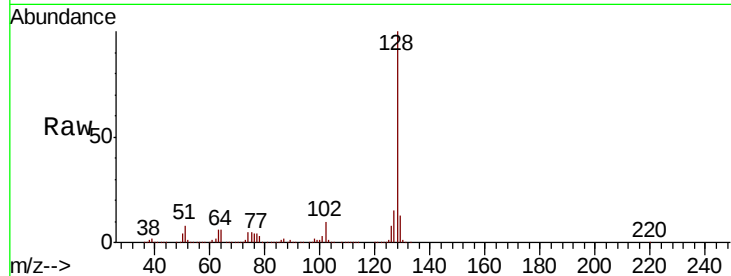
#31
Naphthalene
Concen: 44.073 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.8	10.2	15.2
127	15.0	11.9	17.9

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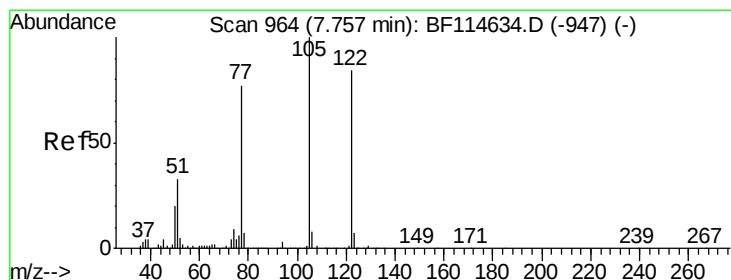
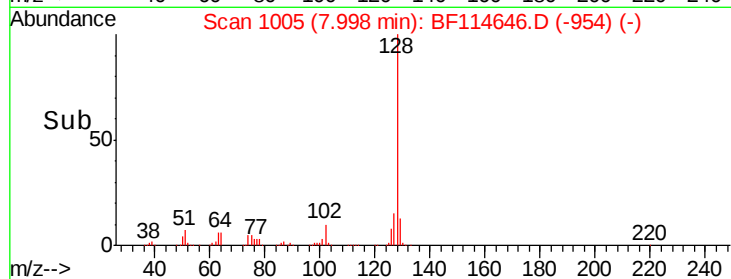
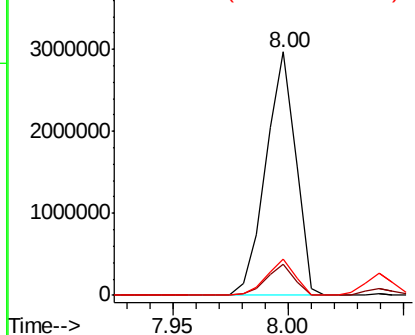


Abundance

Ion 128.00 (127.70 to 128.70): E

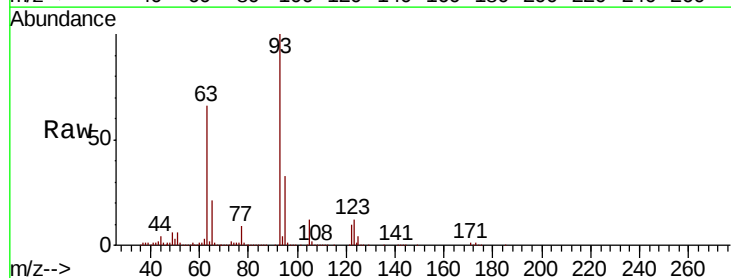
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 16.394 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.03 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.5	98.3	138.3
77	92.3	70.7	110.7

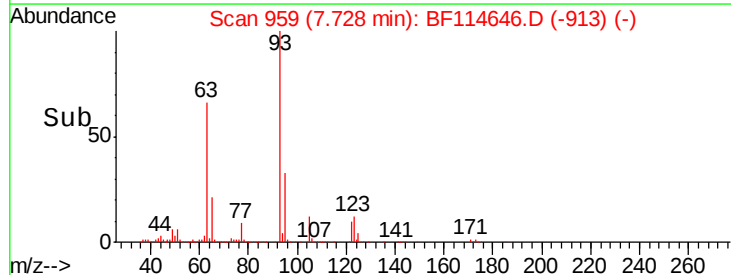
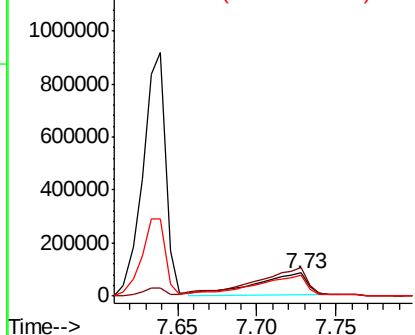


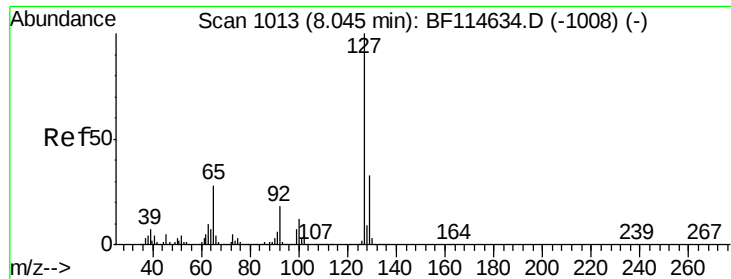
Abundance

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





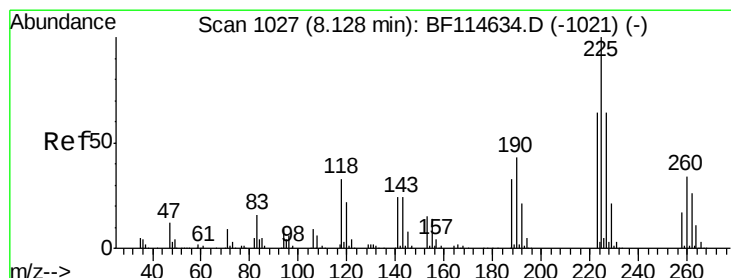
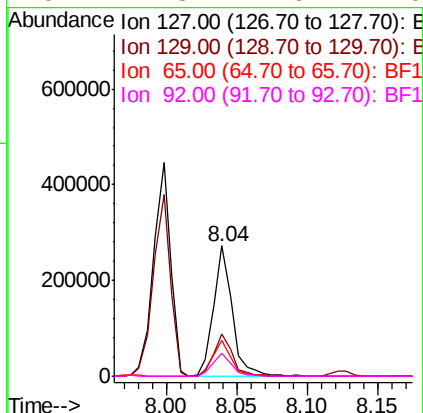
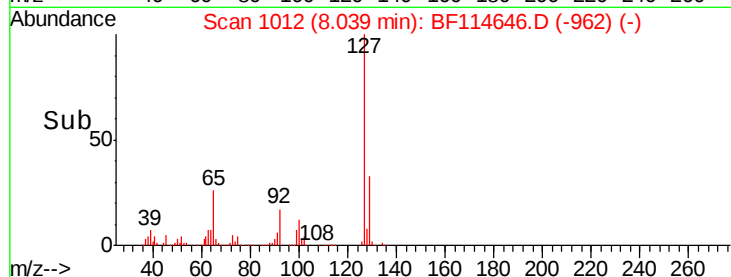
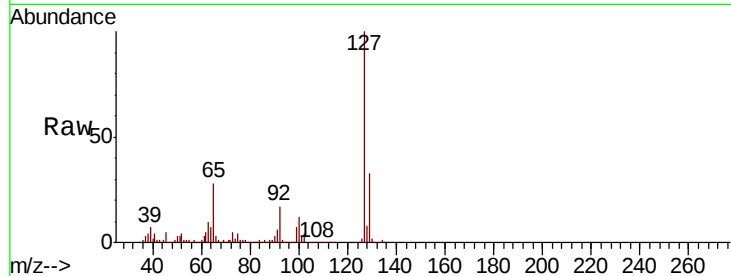
#33
4-Chloroaniline
Concen: 8.708 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		251277		
129	32.8	26.7	40.1		
65	27.6	22.5	33.7		
92	17.3	14.6	22.0		

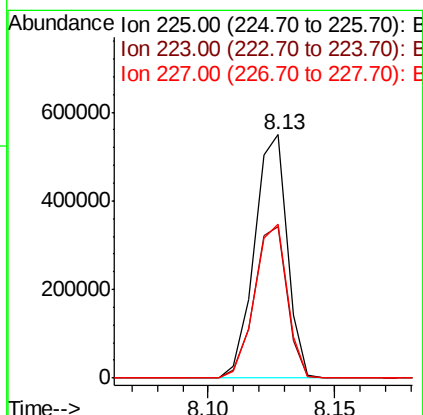
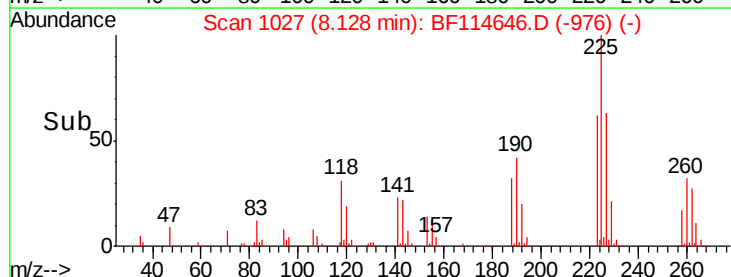
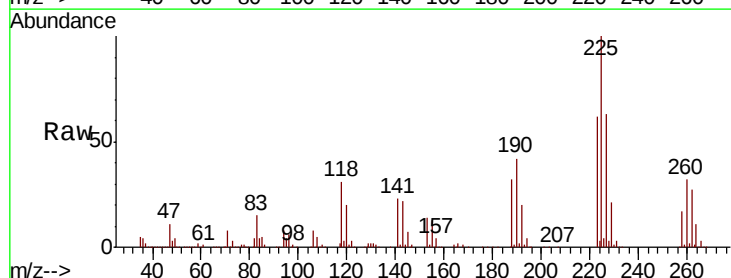
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#34
Hexachlorobutadiene
Concen: 42.470 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		495867		
223	62.4	50.9	76.3		
227	63.2	51.3	76.9		





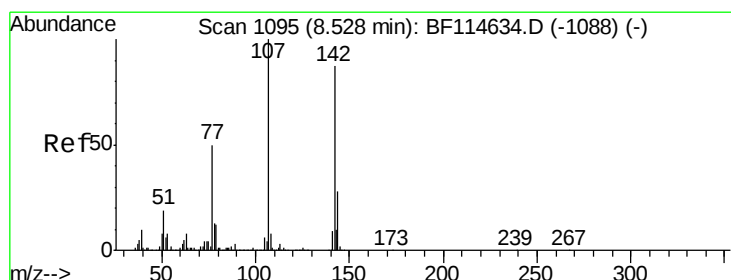
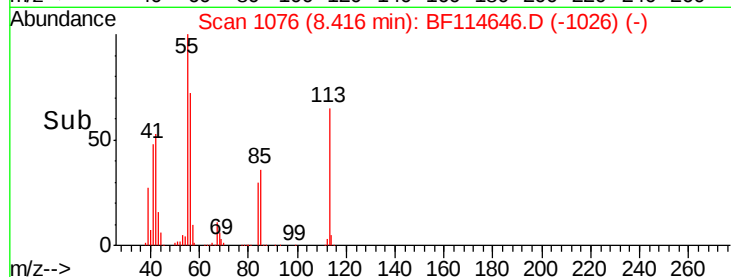
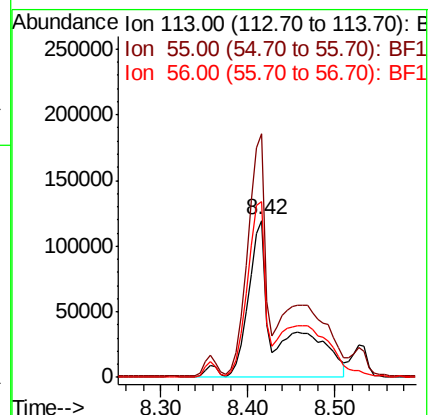
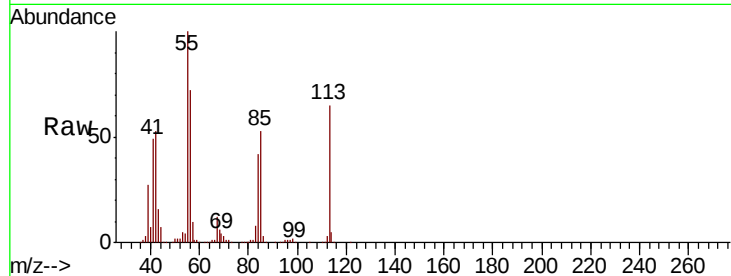
#35
Caprolactam
Concen: 48.057 ng/ml
RT: 8.42 min Scan# 1076
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleID :
B-4W(3-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		299179		
55	154.9	136.4	176.4		
56	112.0	97.0	137.0		

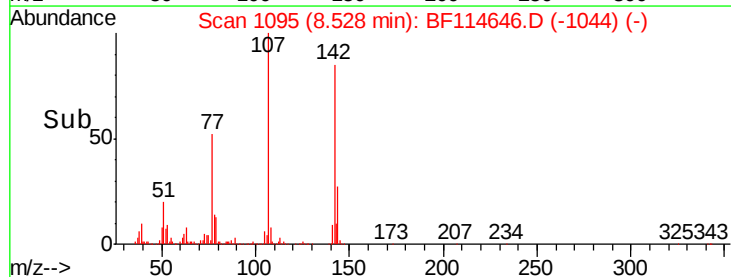
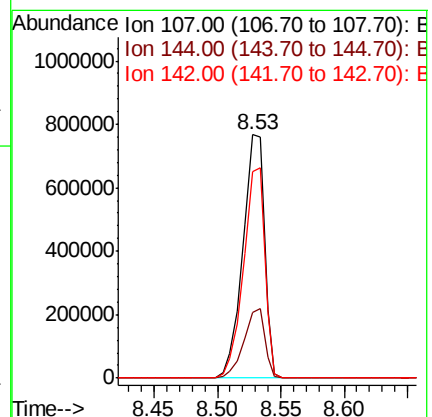
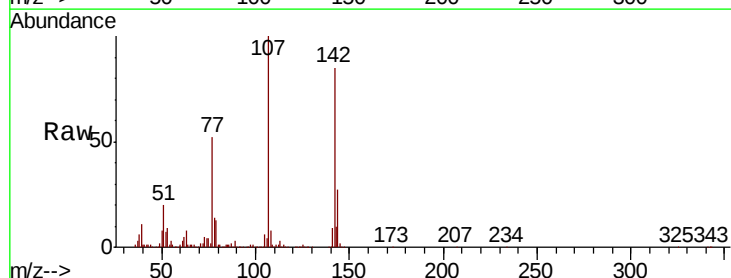
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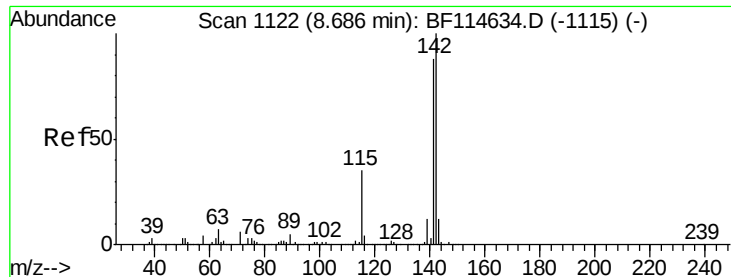
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#36
4-Chloro-3-methylphenol
Concen: 48.960 ng/ml
RT: 8.53 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		905767		
144	27.1	22.5	33.7		
142	84.7	69.8	104.6		





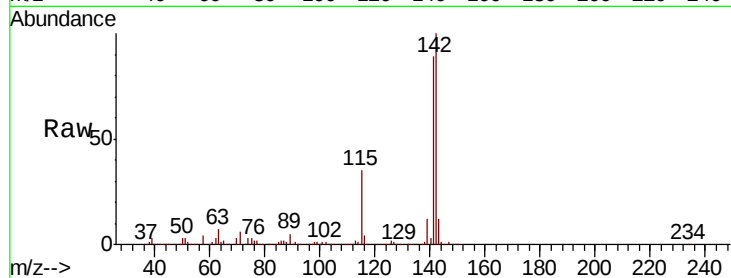
#37
2-Methylnaphthalene
Concen: 47.291 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	34.6	28.0	42.0

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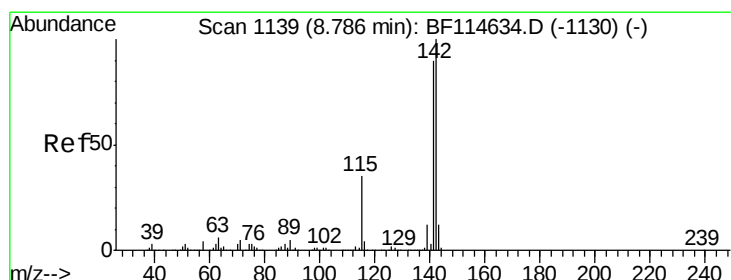
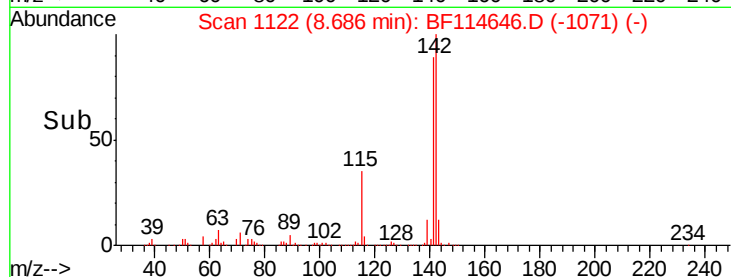
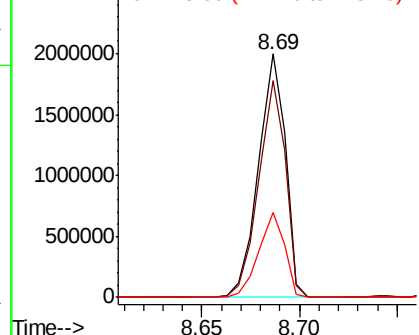


Abundance

Ion 142.00 (141.70 to 142.70): E

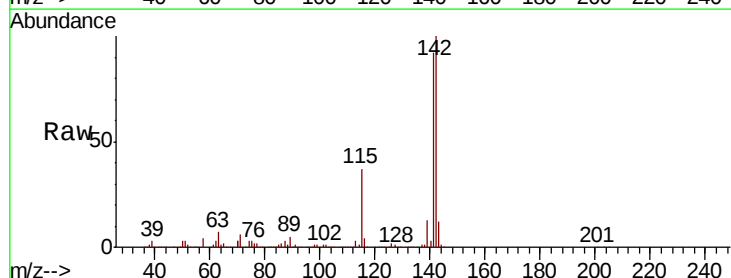
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 47.269 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.3	108.5
116	3.7	3.0	4.4

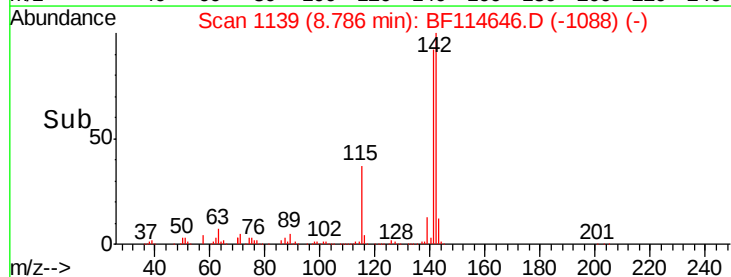
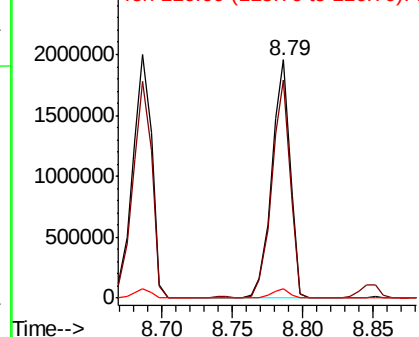


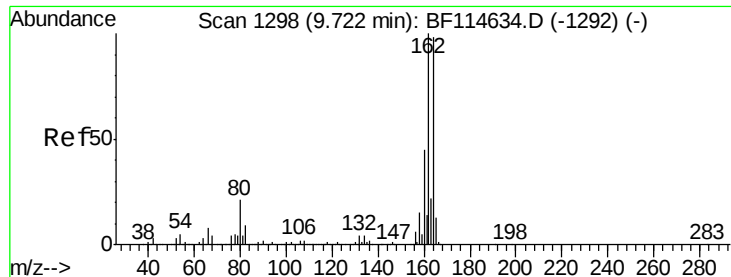
Abundance

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





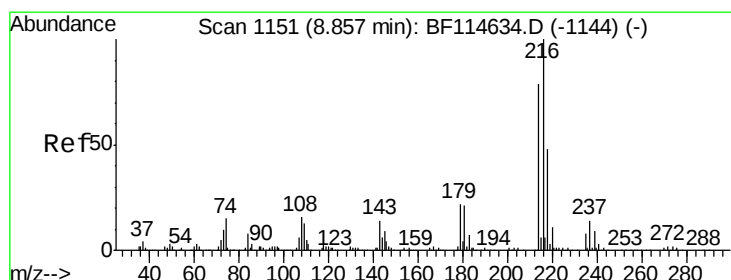
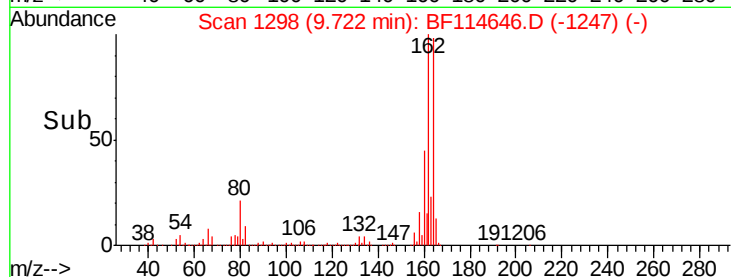
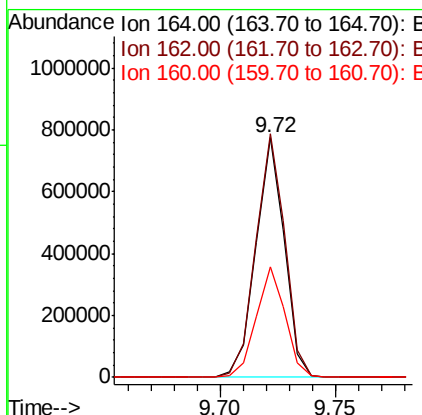
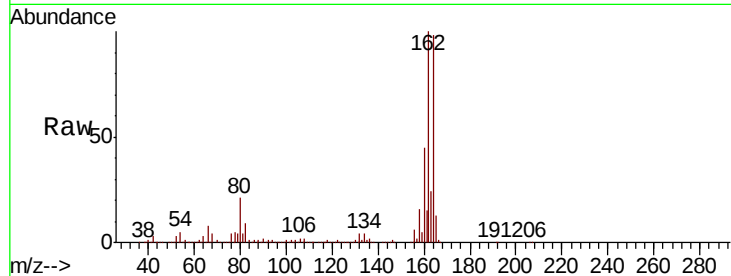
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	664937		
162	101.7	81.4	122.2	
160	46.3	36.6	54.8	

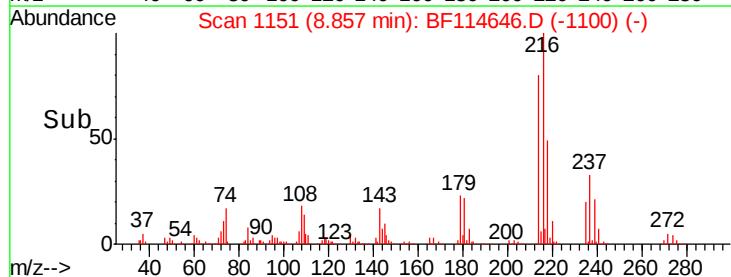
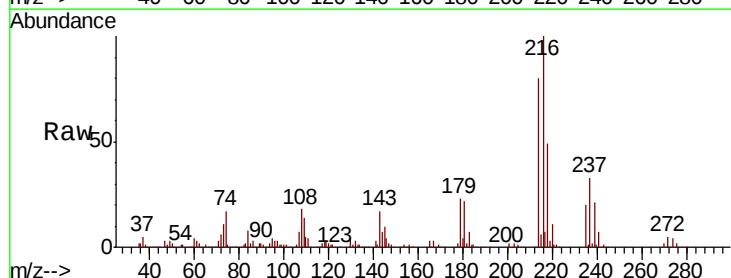
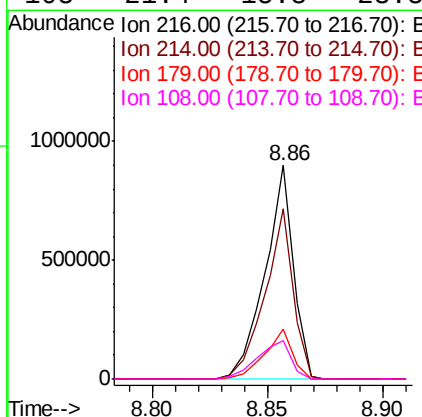
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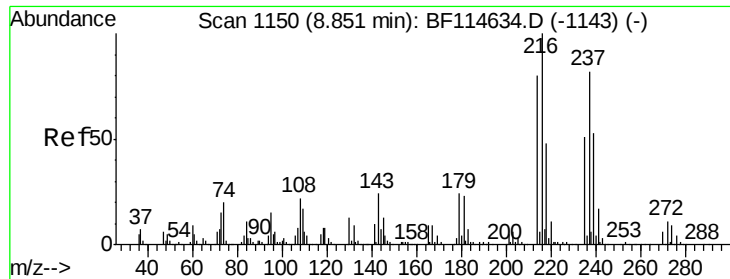
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.451 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	769415		
214	79.5	63.2	94.8	
179	22.9	17.9	26.9	
108	21.4	15.8	23.8	





#41

Hexachlorocyclopentadiene

Concen: 73.716 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

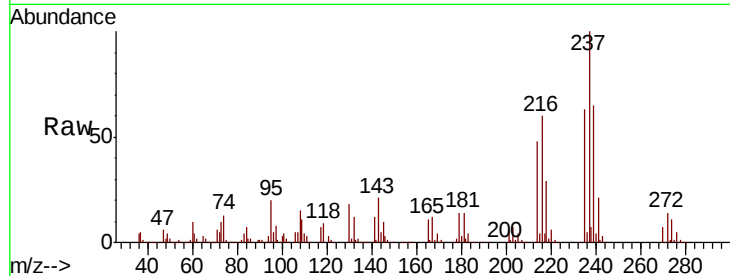
ClientSampleId :

B-4W(3-4)MSD

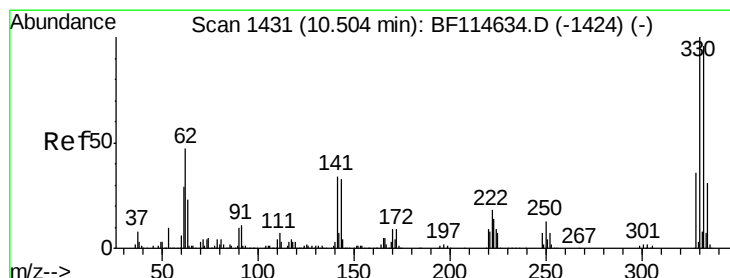
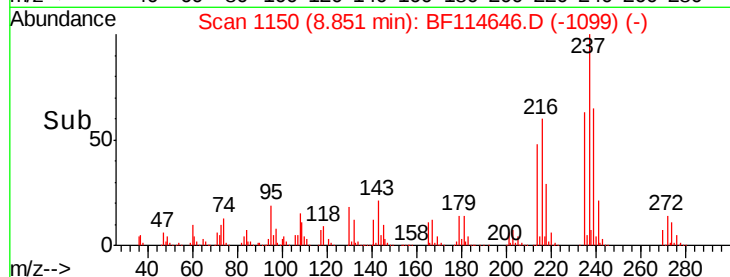
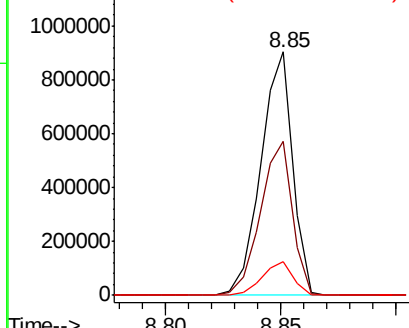
Tot Ion:	237	Resp:	862596
Ion Ratio	Lower	Upper	
237	100		
235	63.3	42.8	82.8
272	13.8	0.0	33.7

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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: 138.811 ng

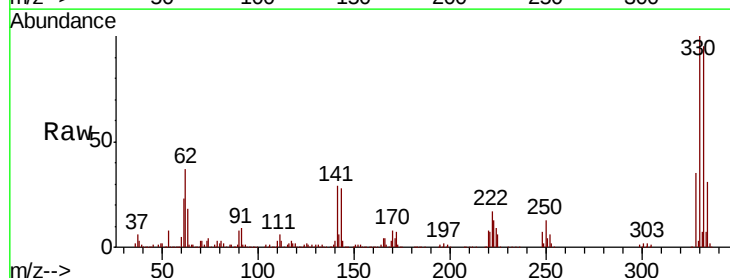
RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

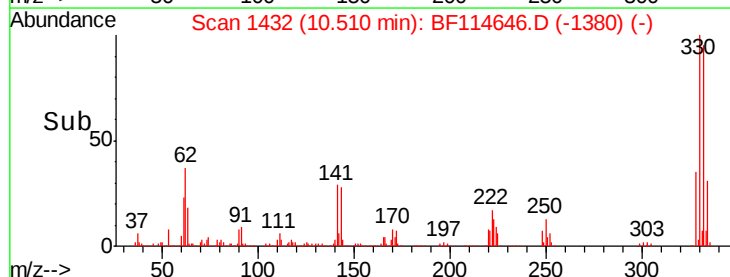
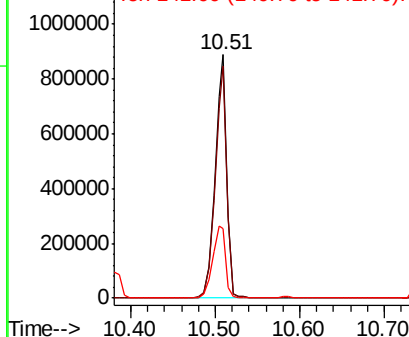
Lab File: BF114646.D

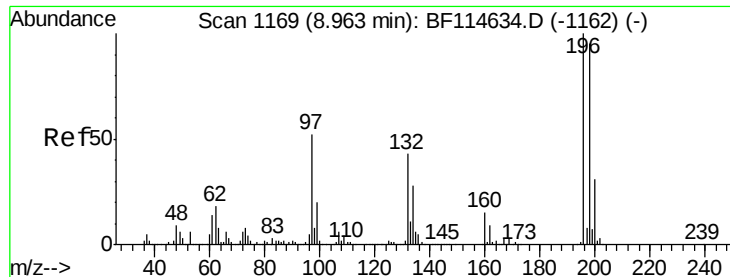
Acq: 29 May 2019 21:23

Tgt Ion:	330	Resp:	879478
Ion Ratio	Lower	Upper	
330	100		
332	95.7	75.8	113.8
141	33.2	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





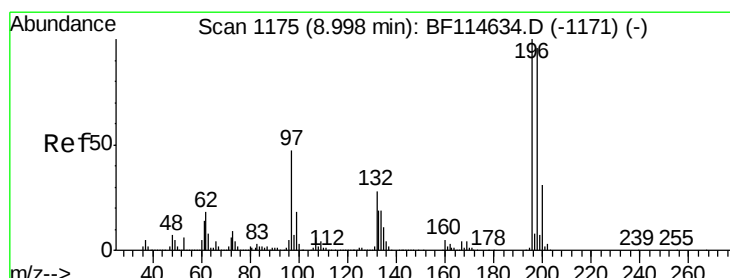
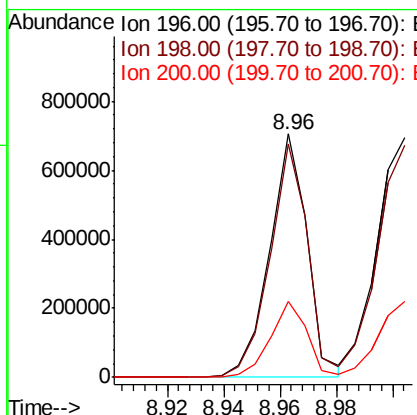
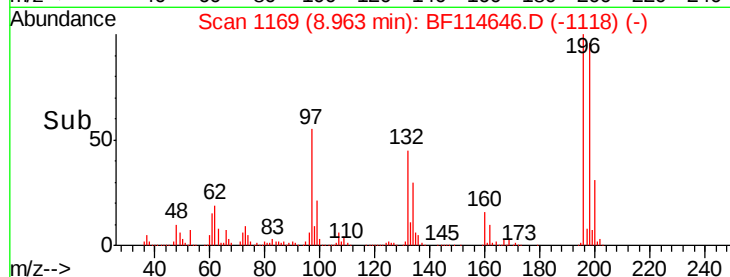
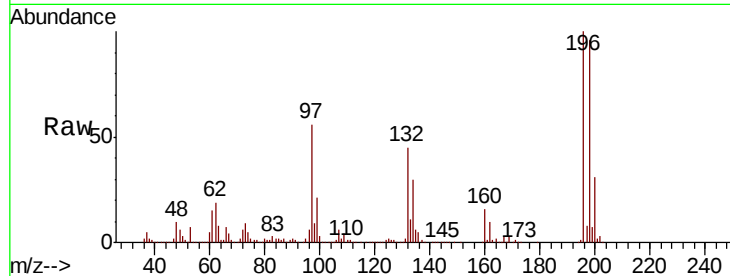
#43
 2,4,6-Trichlorophenol
 Concen: 46.572 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	648899		
198	95.8	76.1	114.1	
200	31.3	24.7	37.1	

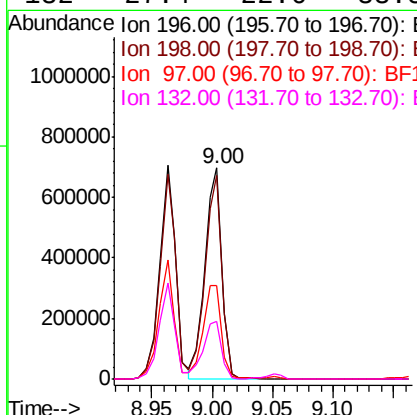
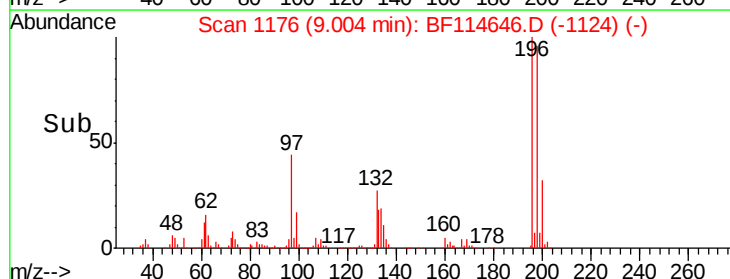
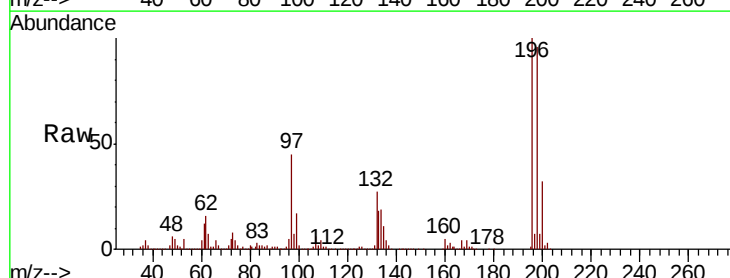
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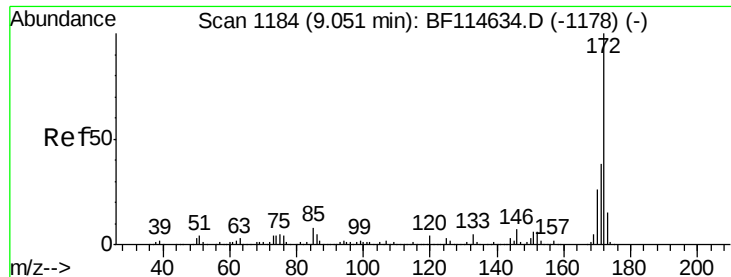
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 48.607 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	675830		
198	96.5	76.8	115.2	
97	44.6	37.8	56.8	
132	27.4	22.6	33.8	





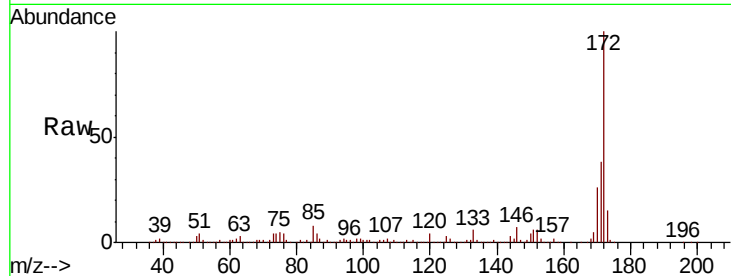
#45
2-Fluorobiphenyl
Concen: 91.227 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.6	45.8
170	26.3	20.7	31.1

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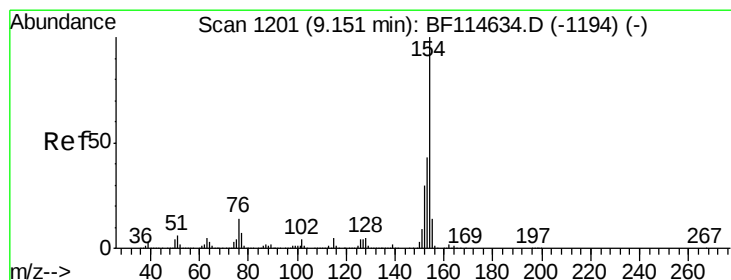
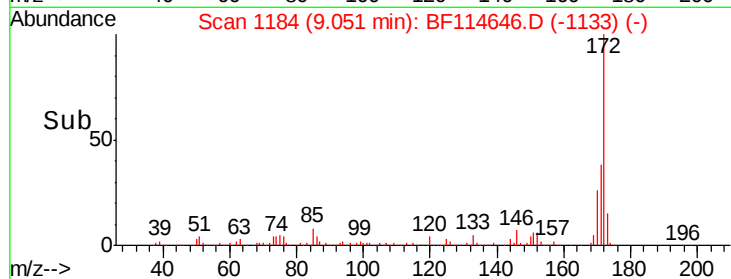
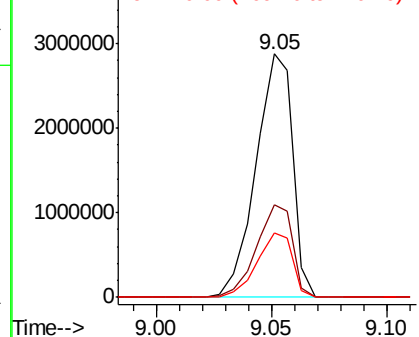


Abundance

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: 44.722 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

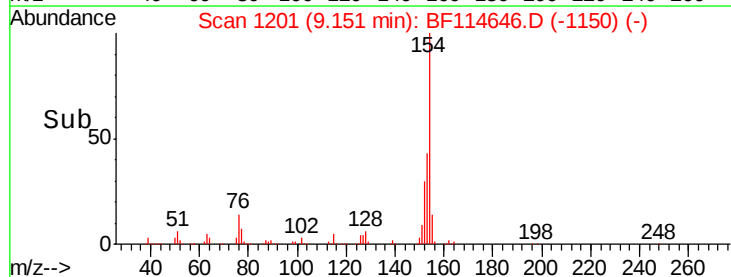
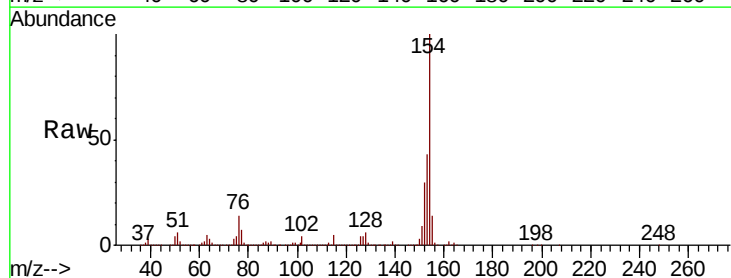
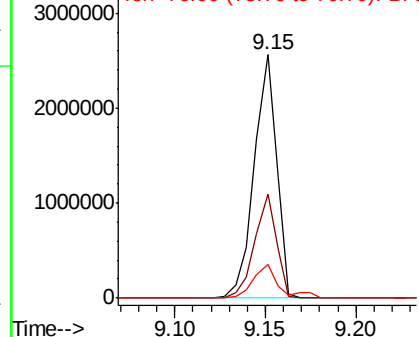
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.0	23.0	63.0
76	13.9	0.0	33.9

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





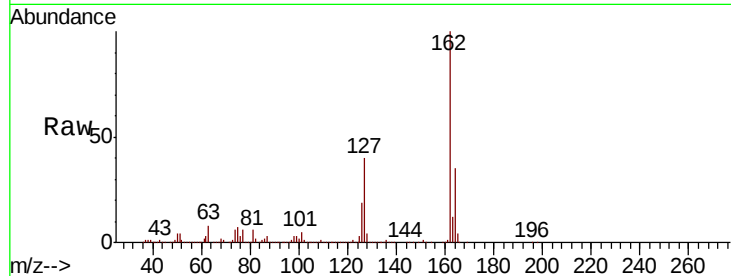
#47
2-Chloronaphthalene
Concen: 44.272 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.2	48.2
164	34.6	27.8	41.6

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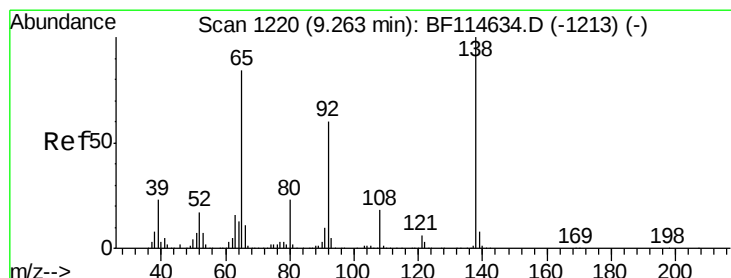
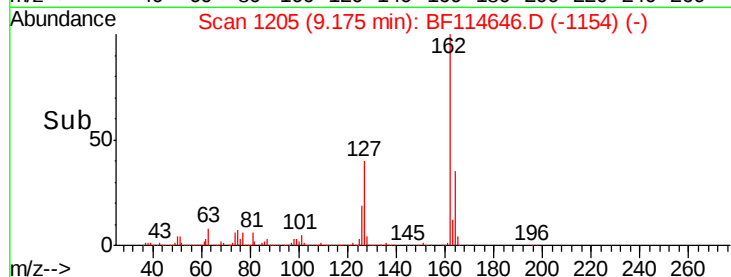
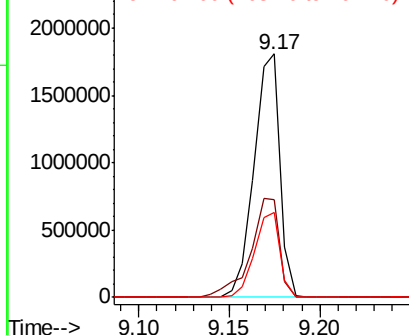


Abundance

Ion 162.00 (161.70 to 162.70): E

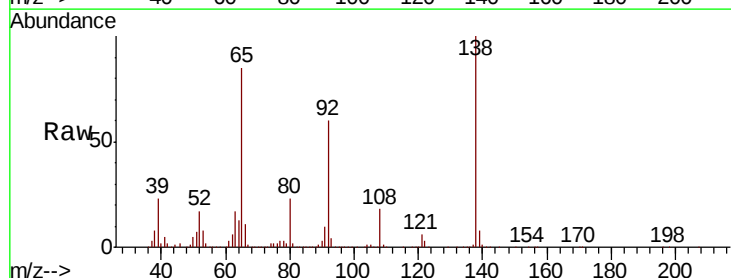
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 44.886 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.9	57.1	85.7
138	117.7	95.8	143.6

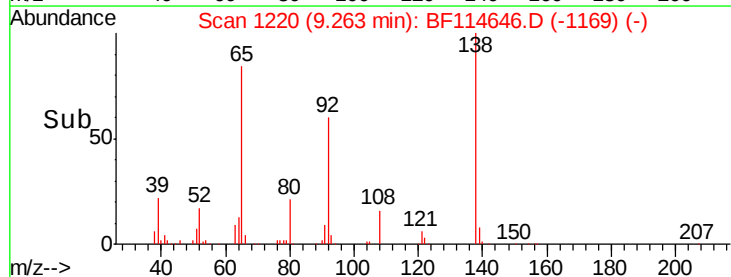
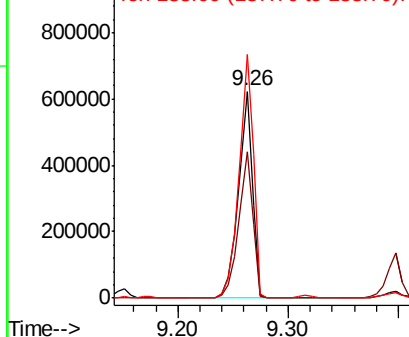


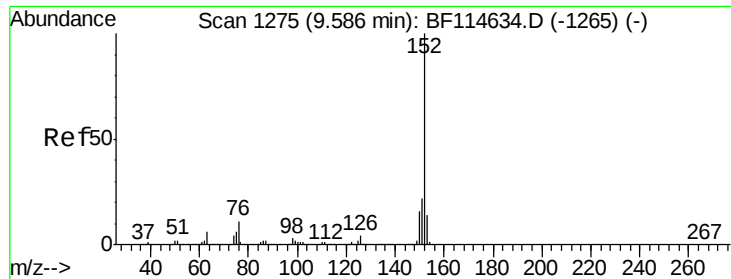
Abundance

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





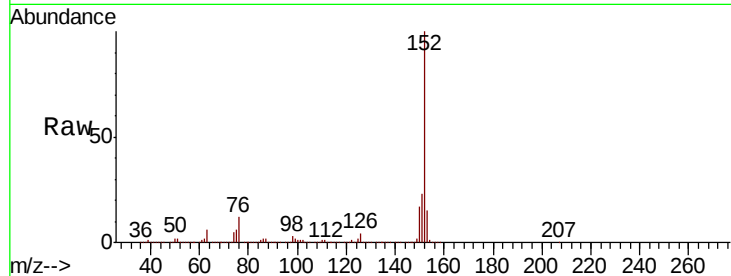
#49
Acenaphthylene
Concen: 44.365 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.8	17.5	26.3
153	14.9	11.6	17.4

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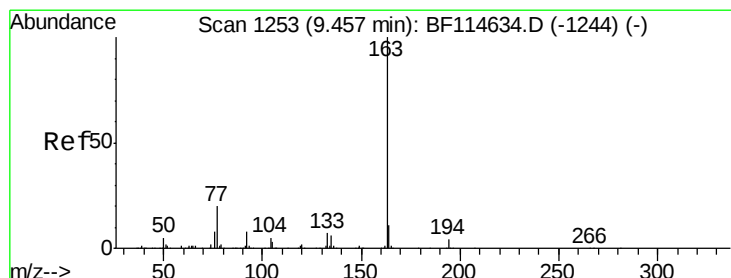
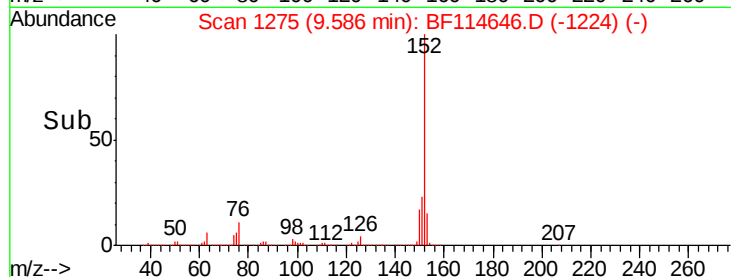
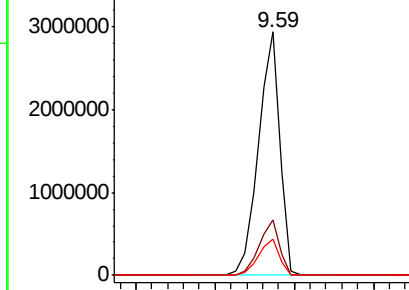


Abundance

Ion 152.00 (151.70 to 152.70): E

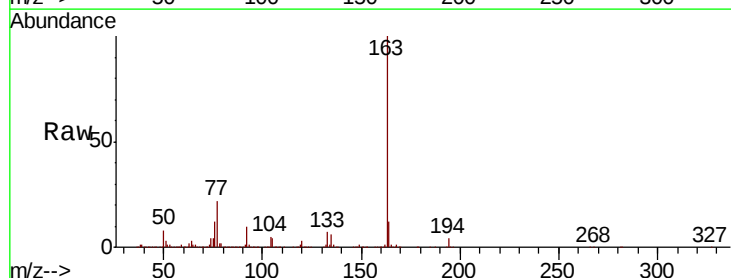
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 57.617 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	11.5	8.6	13.0

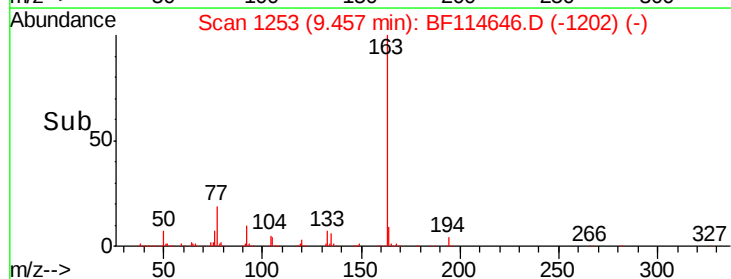
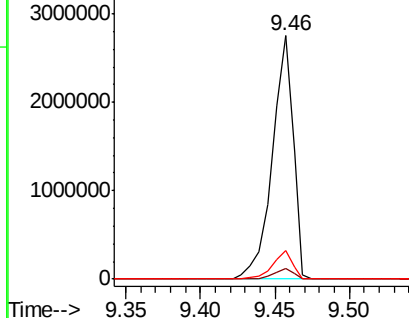


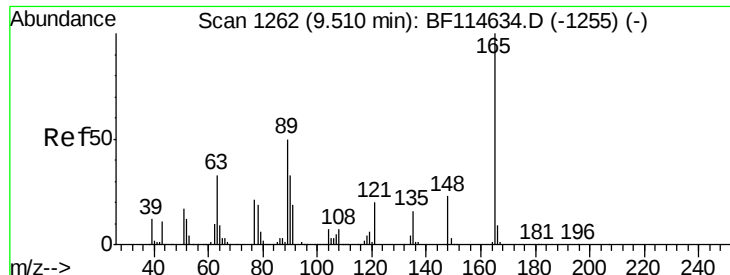
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.145 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

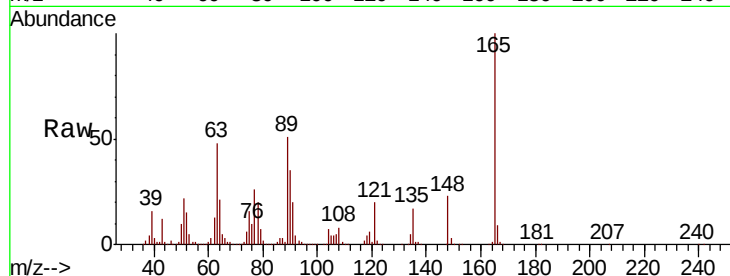
ClientSampleId :

B-4W(3-4)MSD

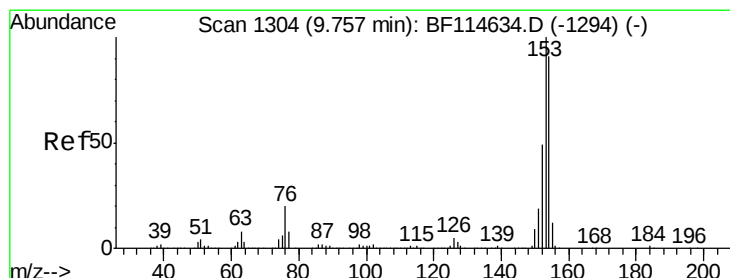
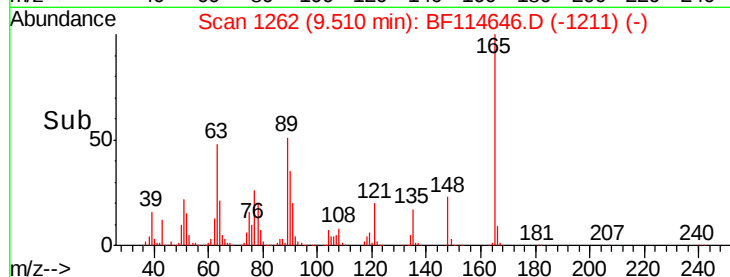
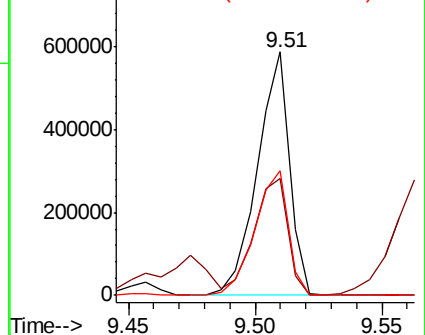
Tot Ion:	165	Resp:	518340
Ion Ratio	Lower	Upper	
165	100		
63	48.3	36.6	54.8
89	51.3	40.2	60.4

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 47.547 ng

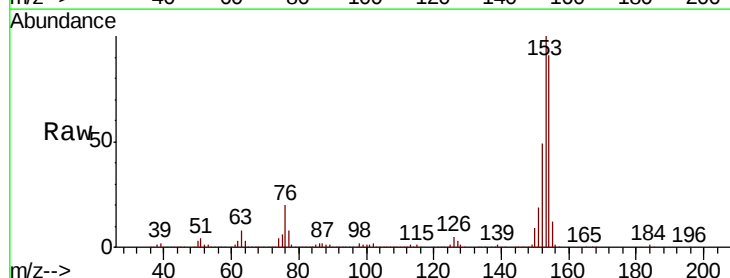
RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

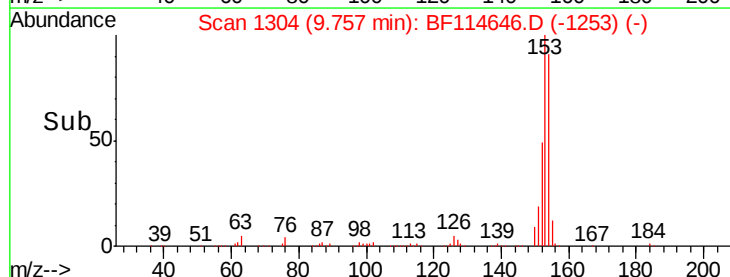
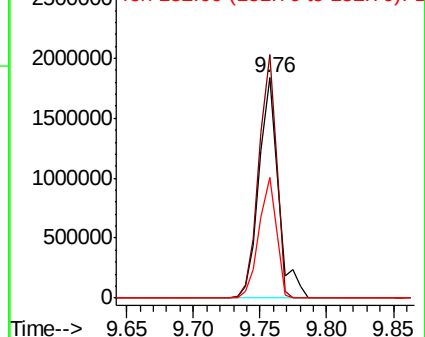
Lab File: BF114646.D

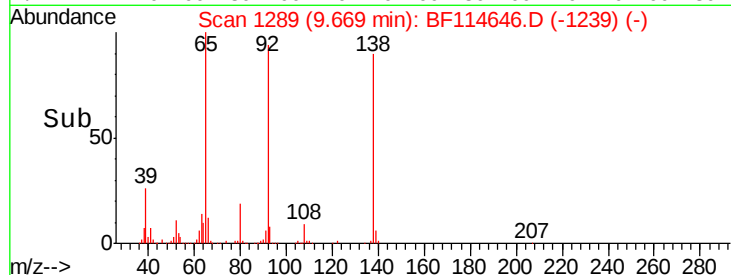
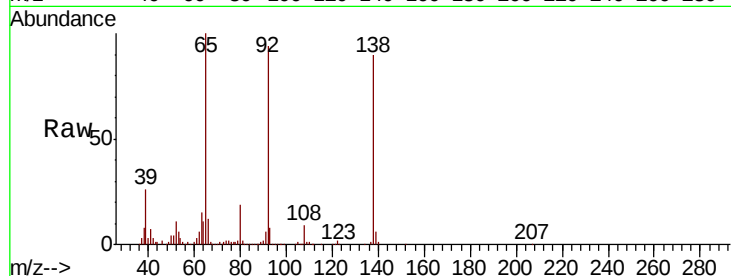
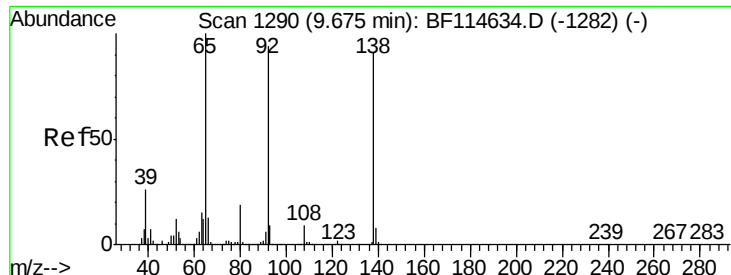
Acq: 29 May 2019 21:23

Tgt Ion:	154	Resp:	1823953
Ion Ratio	Lower	Upper	
154	100		
153	110.5	88.4	132.6
152	54.6	43.4	65.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





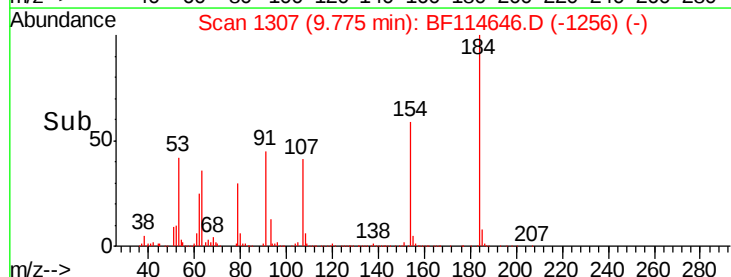
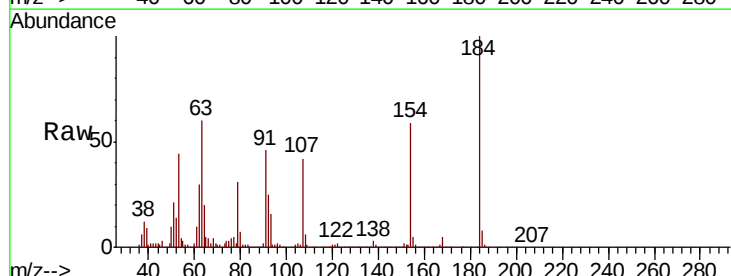
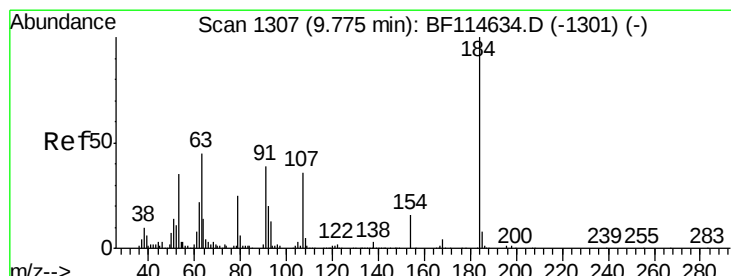
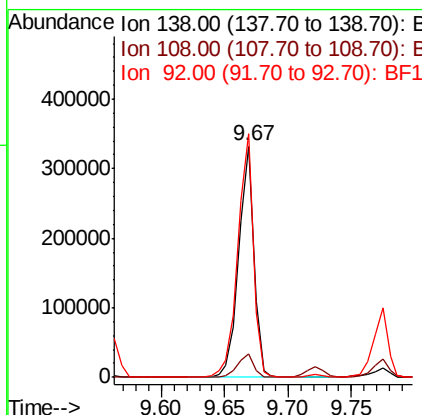
#53
3-Nitroaniline
Concen: 20.916 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	10.3	8.3	12.5	
92	105.2	83.1	124.7	

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

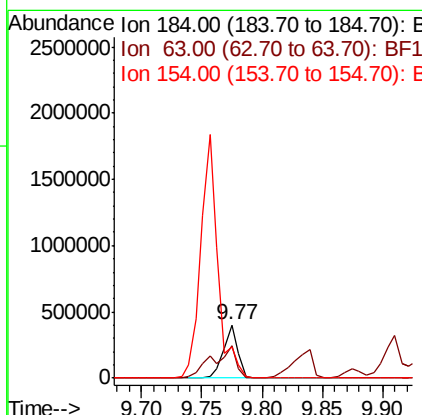
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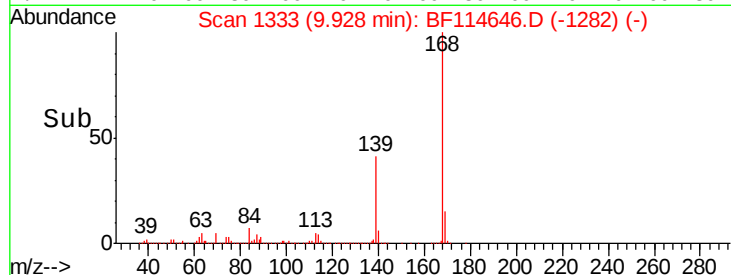
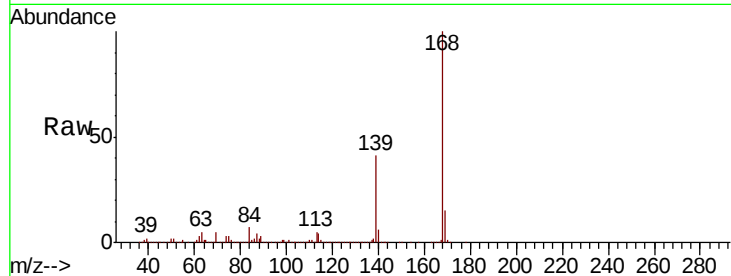
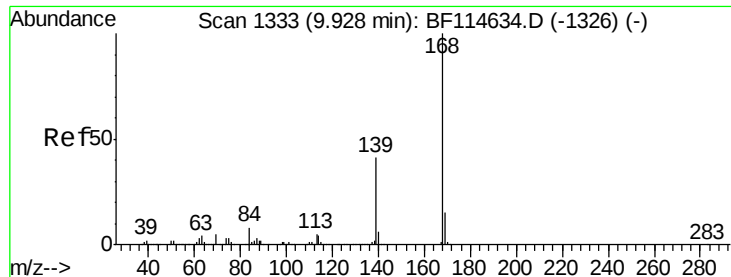
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#54
2,4-Dinitrophenol
Concen: 77.976 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
63	60.2	38.8	58.2#	
154	58.7	43.7	65.5	





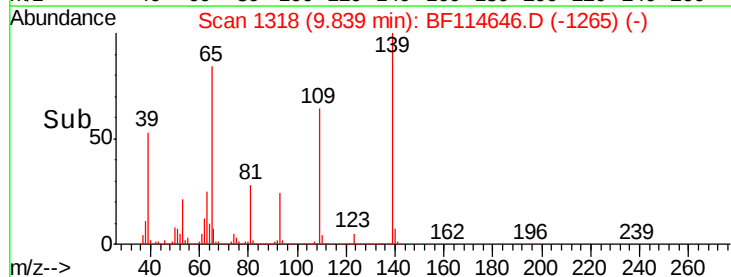
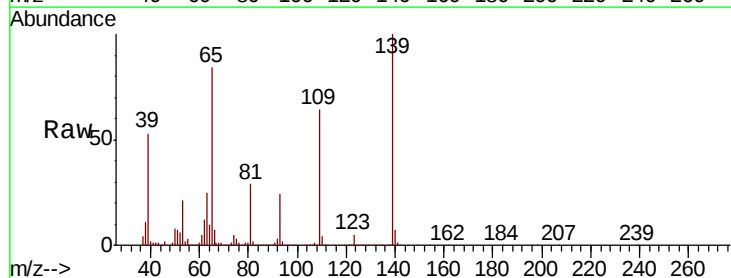
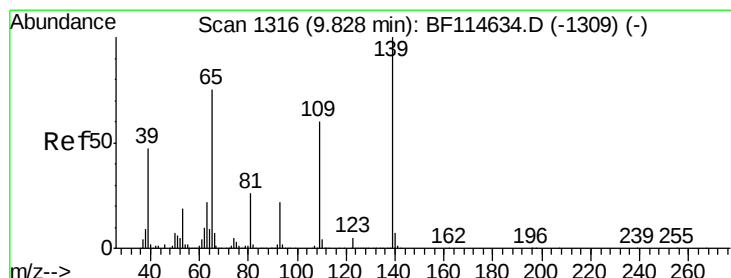
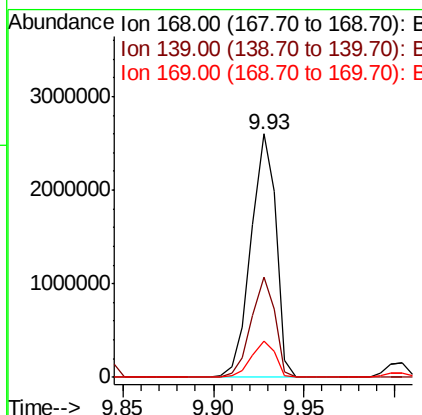
#55
Dibenzofuran
Concen: 45.678 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.4	32.6	48.8
169	15.0	11.8	17.8

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

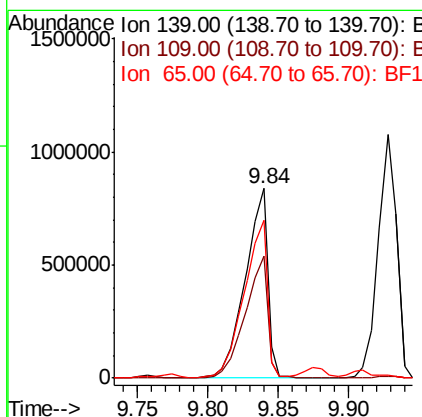
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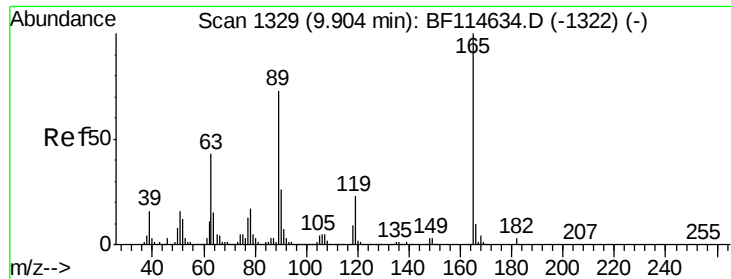
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#56
4-Nitrophenol
Concen: 95.991 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.5	40.4	80.4
65	83.6	54.7	94.7





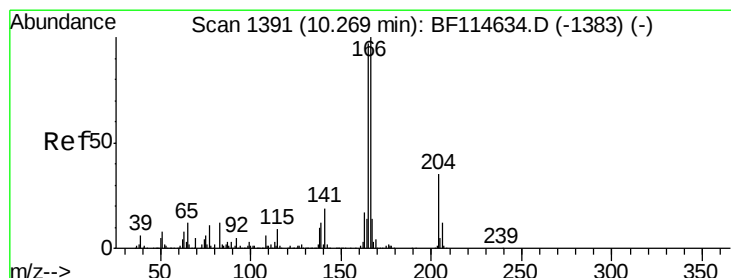
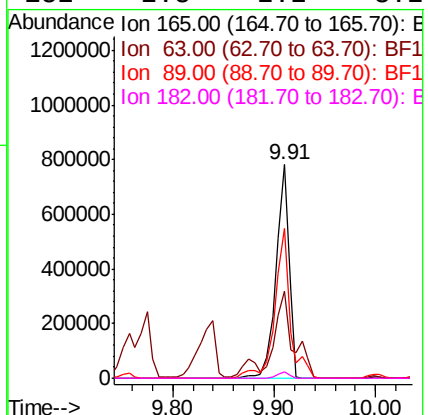
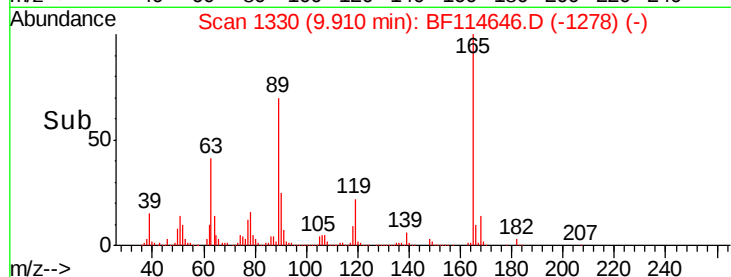
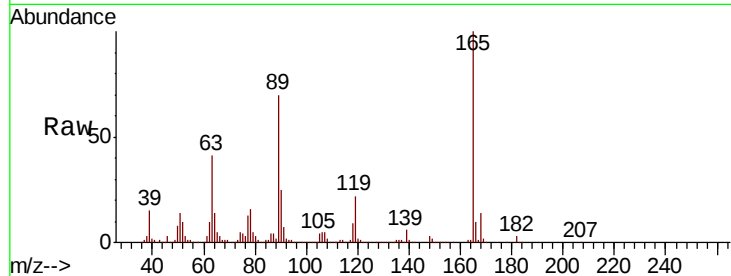
#57
2,4-Dinitrotoluene
Concen: 50.176 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	693307		
63	40.8	34.8	52.2	
89	69.8	58.5	87.7	
182	2.8	2.2	3.2	

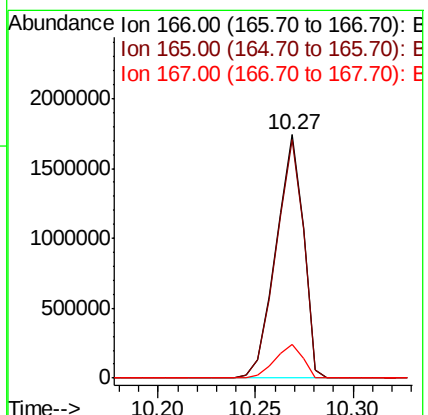
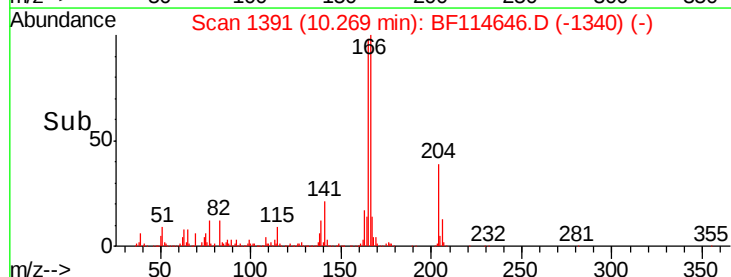
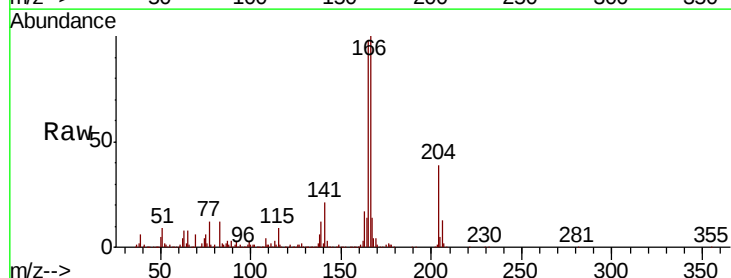
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#58
Fluorene
Concen: 47.578 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1692202		
165	97.9	77.6	116.4	
167	14.1	11.2	16.8	





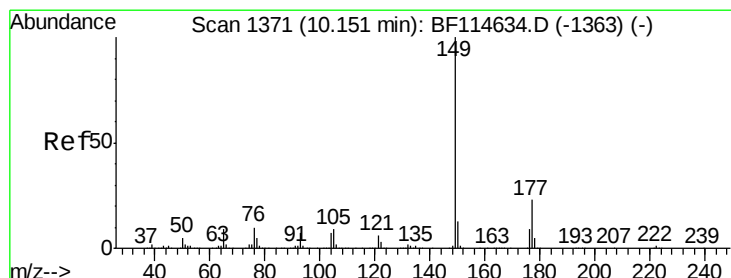
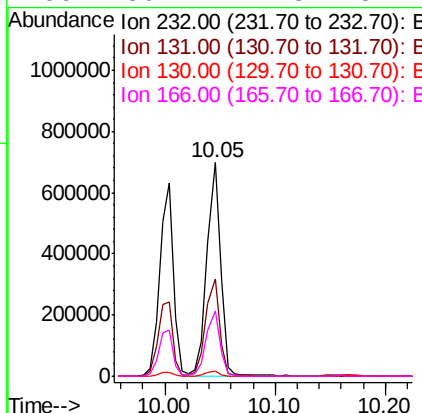
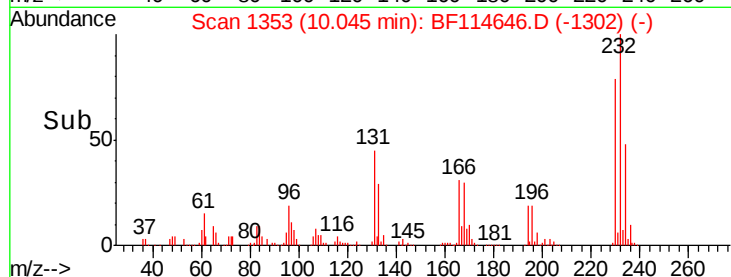
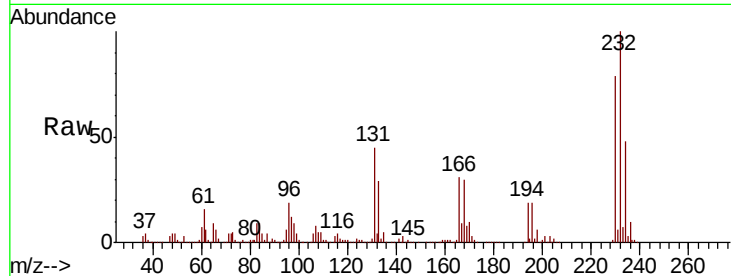
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.916 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.2	55.8
130	2.2	1.8	2.8
166	30.2	24.8	37.2

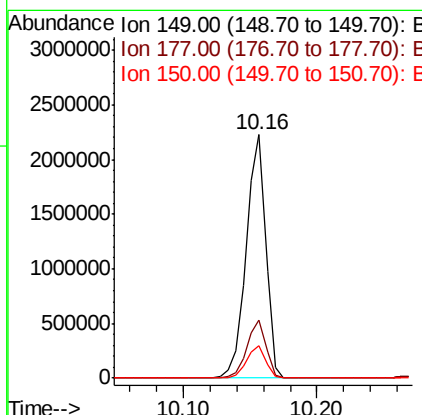
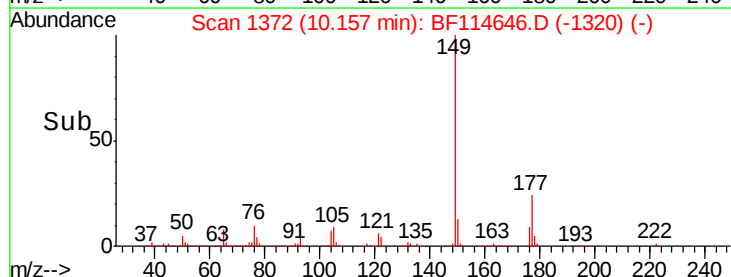
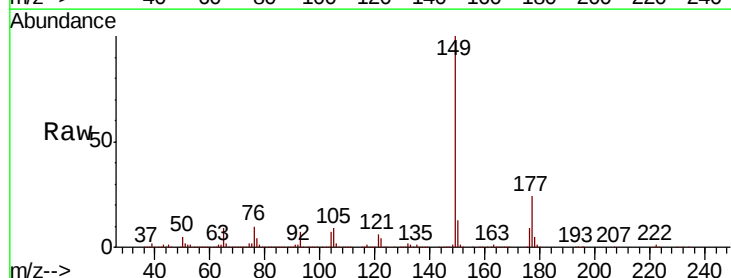
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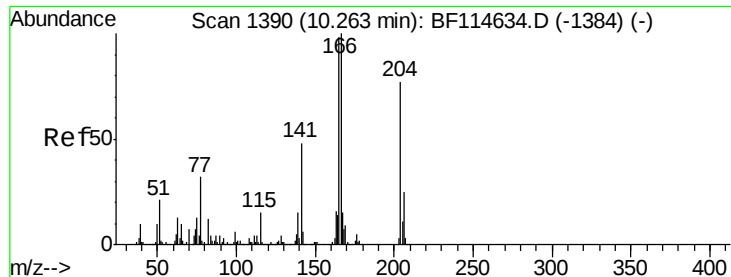
mohammad
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#60
Diethylphthalate
Concen: 47.076 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.1	18.6	28.0
150	13.3	10.6	15.8





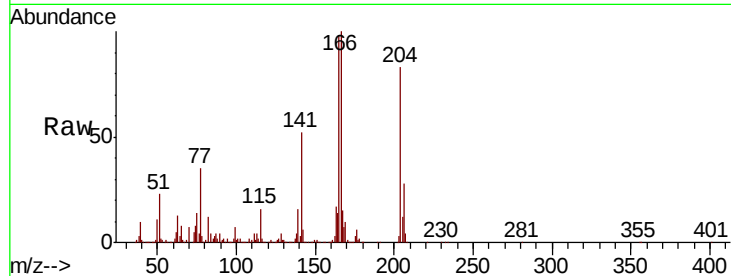
#61
4-Chlorophenyl-phenylether
Concen: 46.922 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100			
206	33.6	26.4	39.6	
141	62.6	50.0	75.0	

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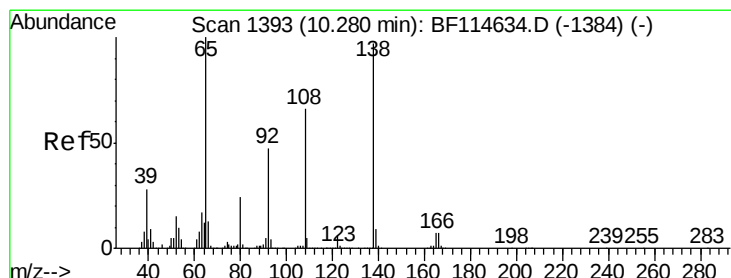
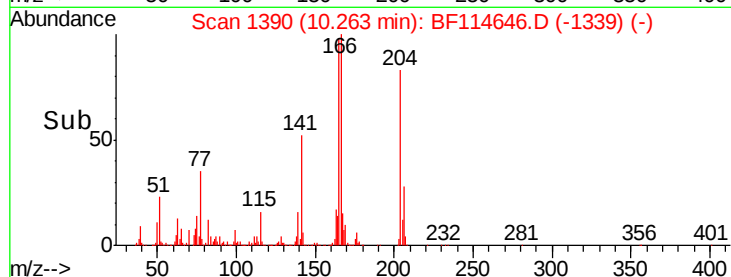
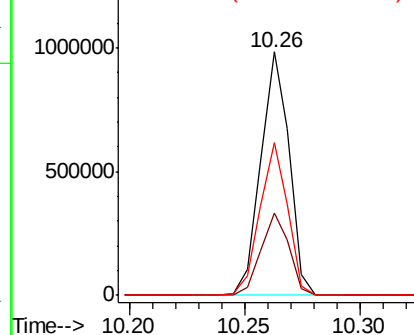


Abundance

Ion 204.00 (203.70 to 204.70): E

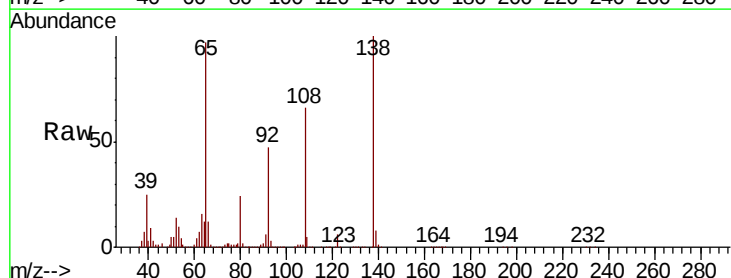
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 42.964 ng
RT: 10.29 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
138	100			
92	46.6	28.0	68.0	
108	66.4	48.4	88.4	

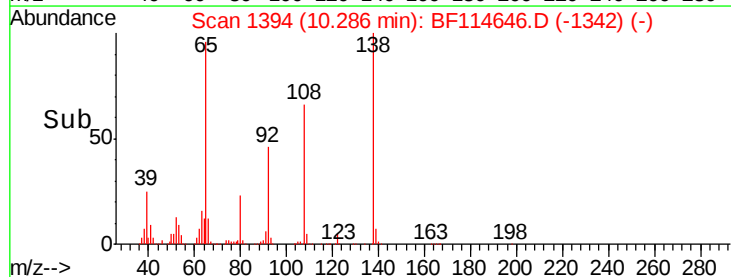
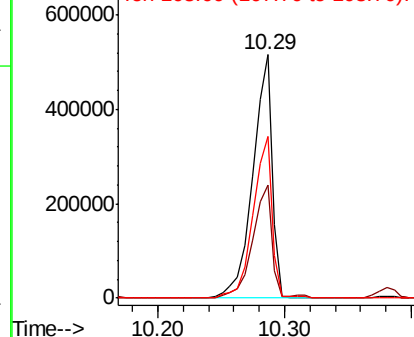


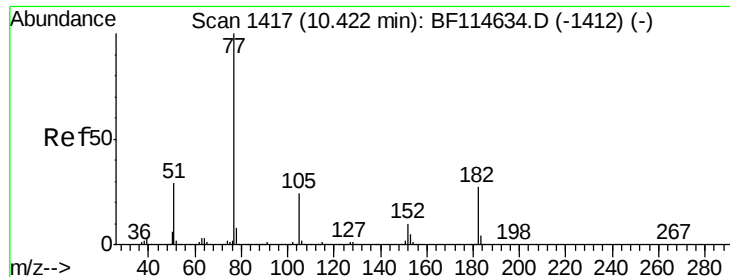
Abundance

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: 46.671 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion: 77 Resp: 2027734

Ion Ratio Lower Upper

77 100

182 26.9 7.0 47.0

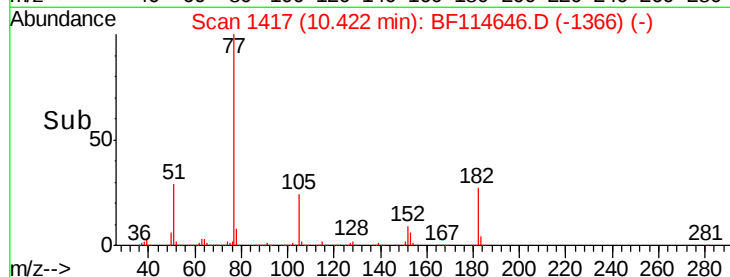
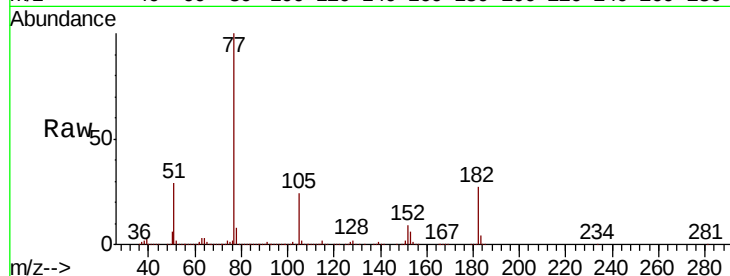
105 24.2 3.7 43.7

51 29.0 9.1 49.1

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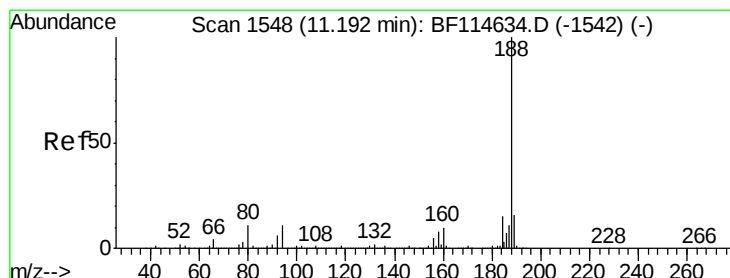
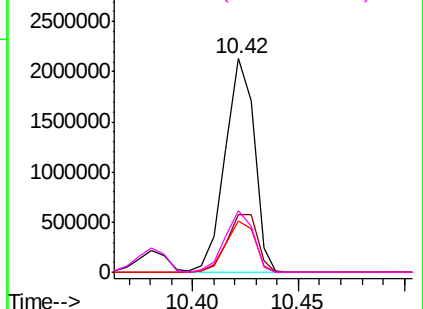


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

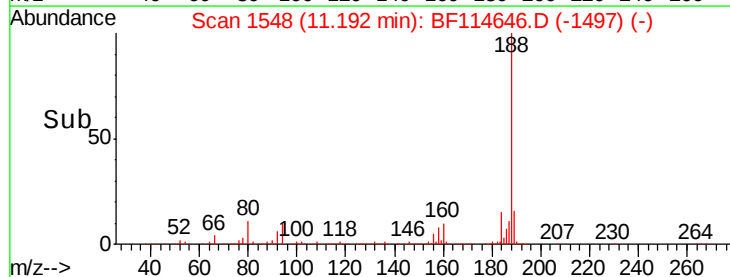
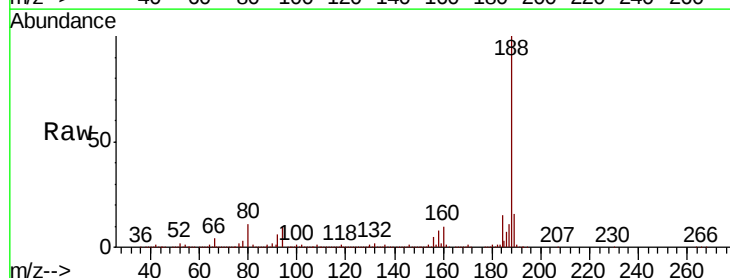
Tgt Ion: 188 Resp: 1349850

Ion Ratio Lower Upper

188 100

94 10.4 8.6 13.0

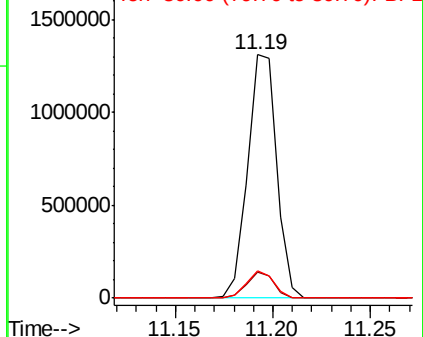
80 11.1 9.0 13.6

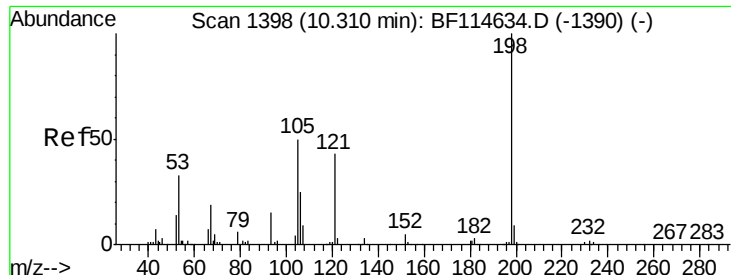


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





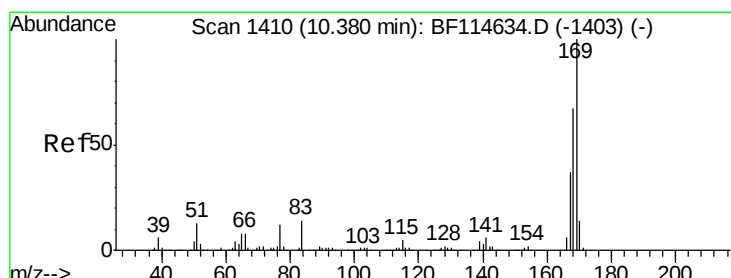
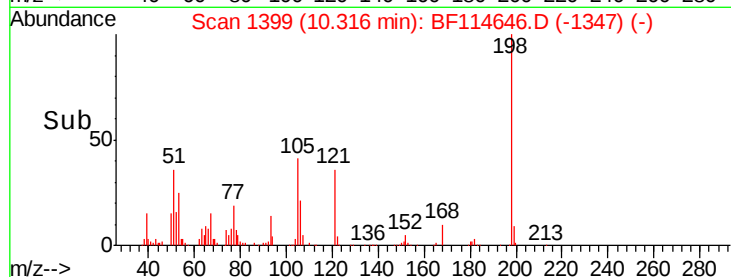
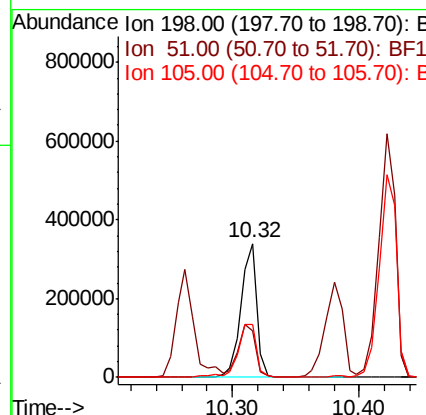
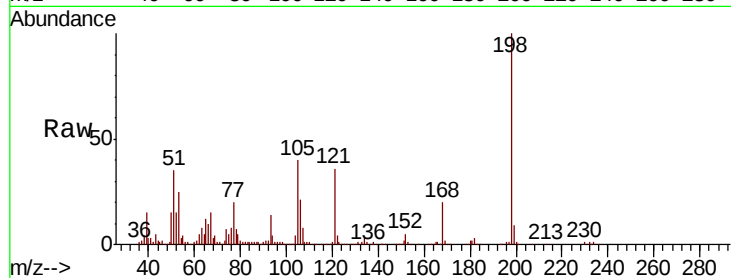
#65
4,6-Dinitro-2-methylphenol
Concen: 48.484 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	290198		
51	35.2	29.0	69.0	
105	39.9	30.4	70.4	

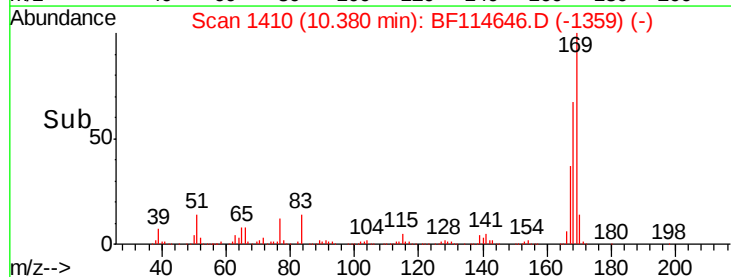
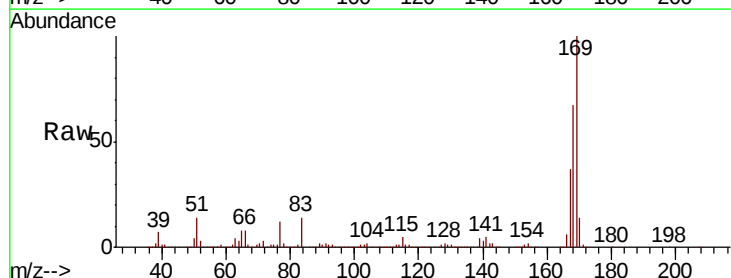
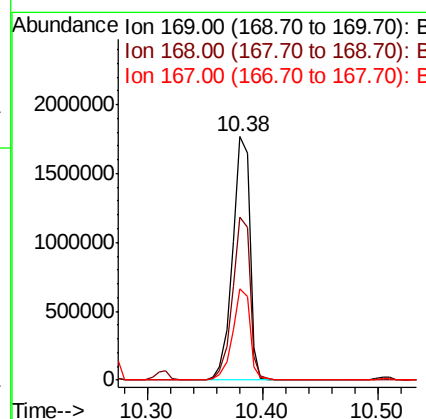
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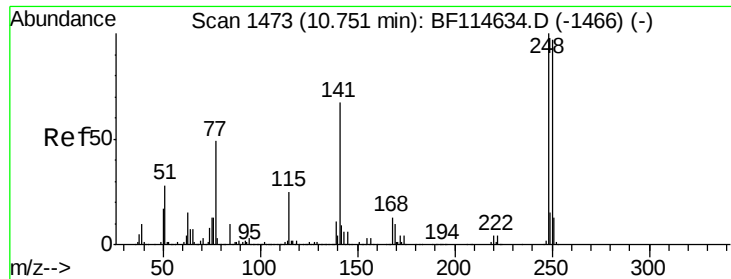
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#66
n-Nitrosodiphenylamine
Concen: 45.691 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1822215		
168	67.2	53.8	80.8	
167	37.4	29.8	44.6	





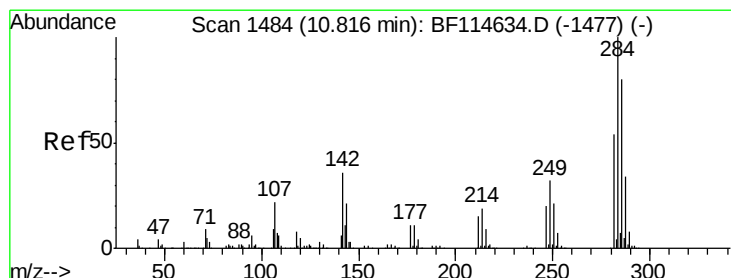
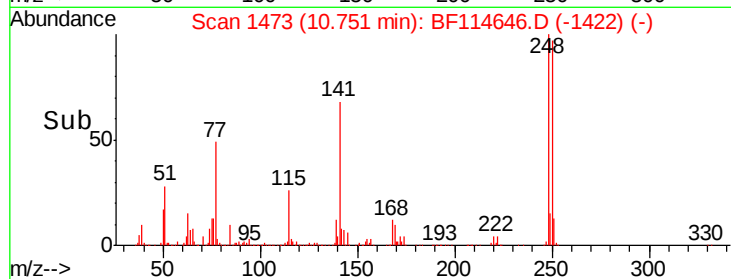
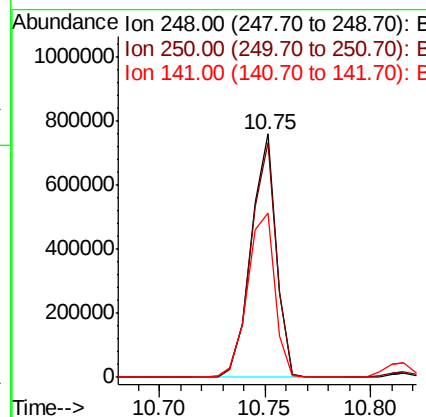
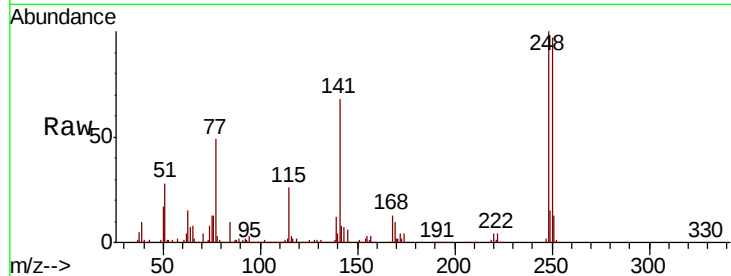
#67
4-Bromophenyl-phenylether
Concen: 43.249 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.0	117.0
141	67.7	53.8	80.8

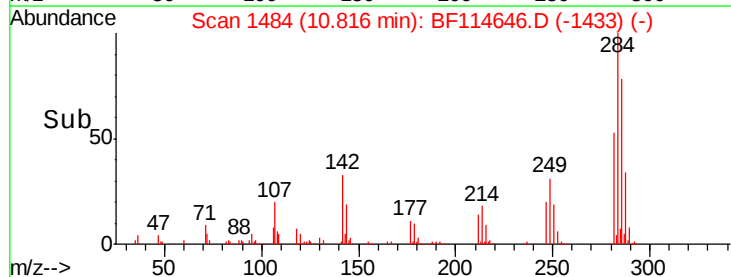
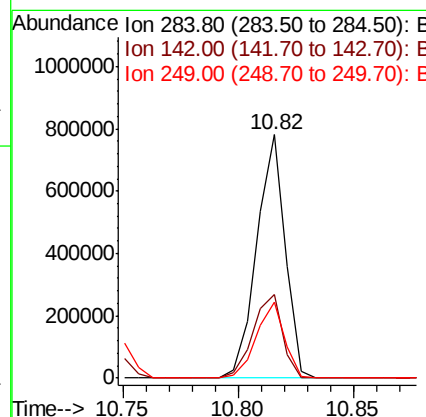
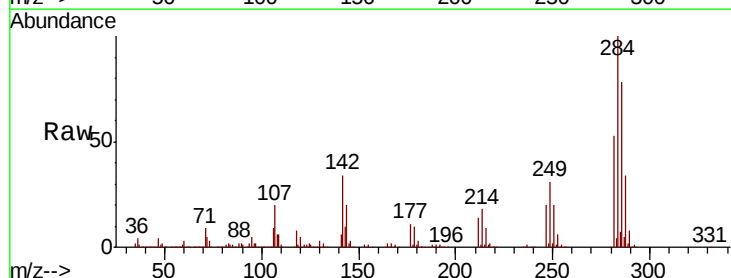
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#68
Hexachlorobenzene
Concen: 42.996 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.1	28.9	43.3
249	31.1	25.8	38.6





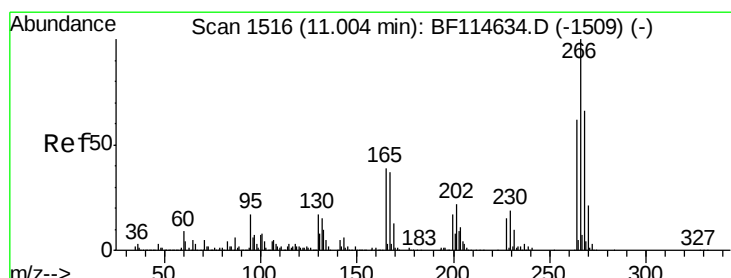
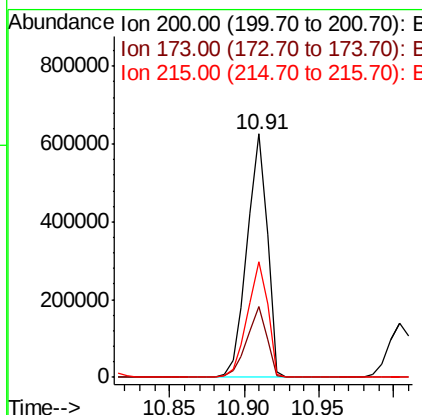
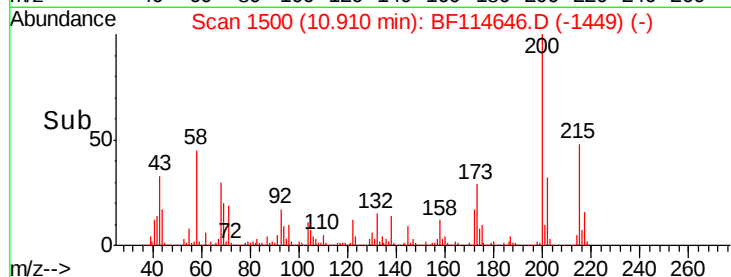
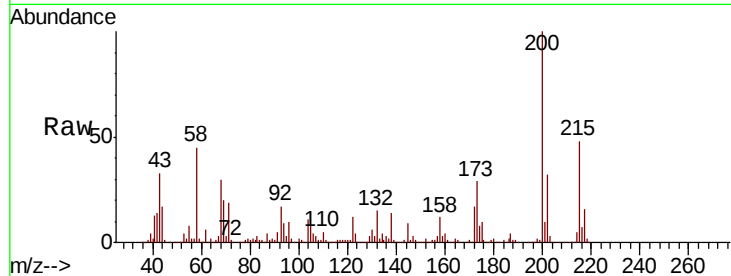
#69
Atrazine
Concen: 48.199 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	586245		
173	29.1	7.9	47.9	
215	47.7	27.8	67.8	

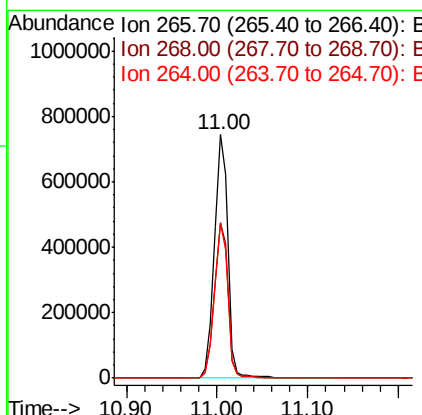
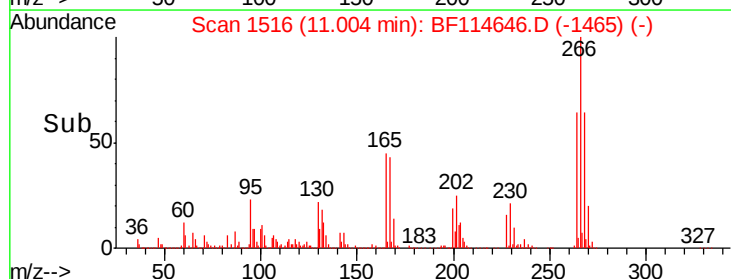
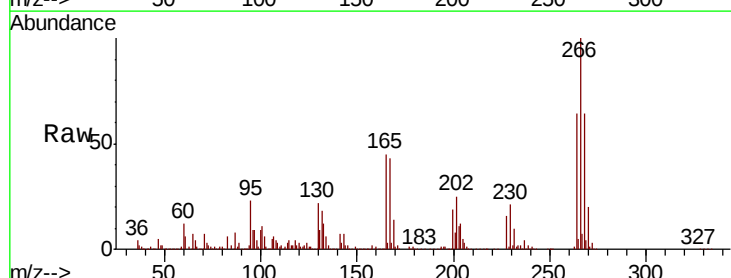
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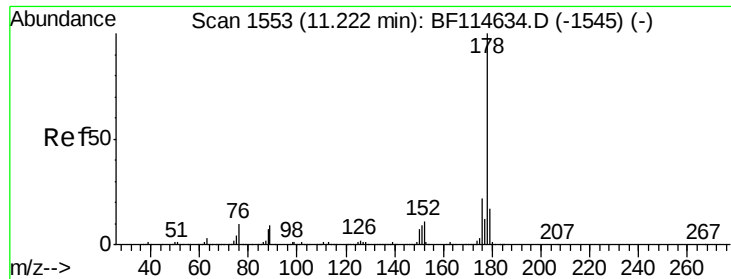
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#70
Pentachlorophenol
Concen: 85.629 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	773907		
268	63.7	52.8	79.2	
264	63.7	49.9	74.9	





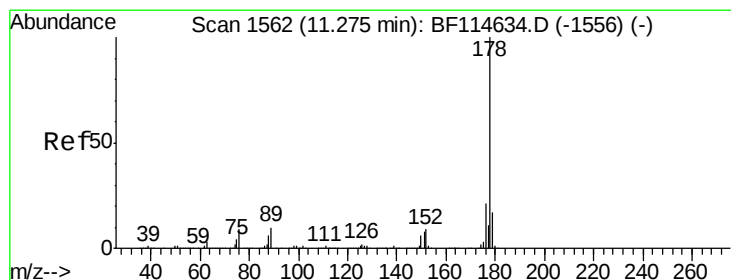
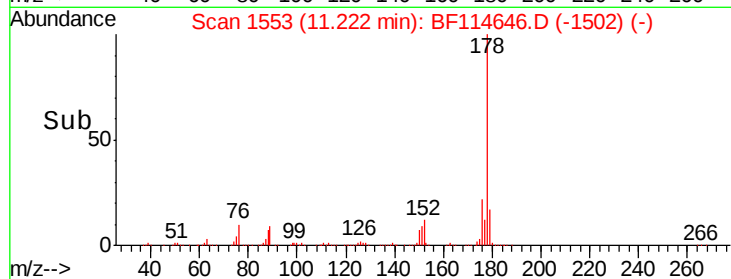
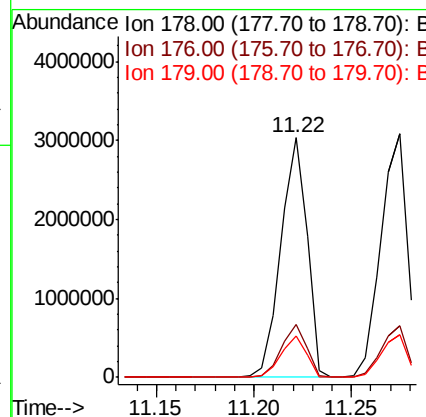
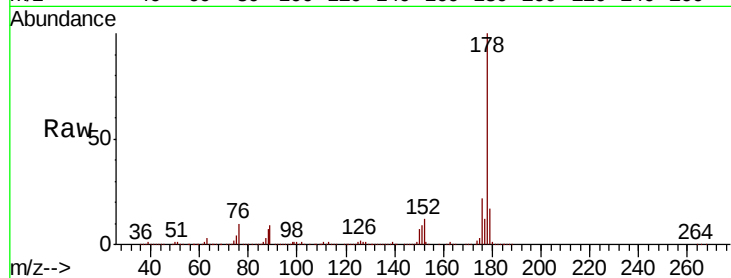
#71
Phenanthrene
Concen: 40.980 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.2	17.2	25.8
179	17.5	13.9	20.9

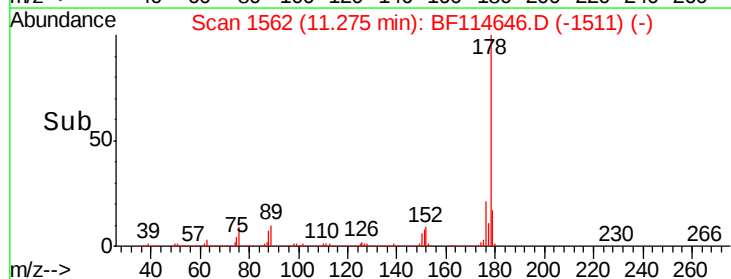
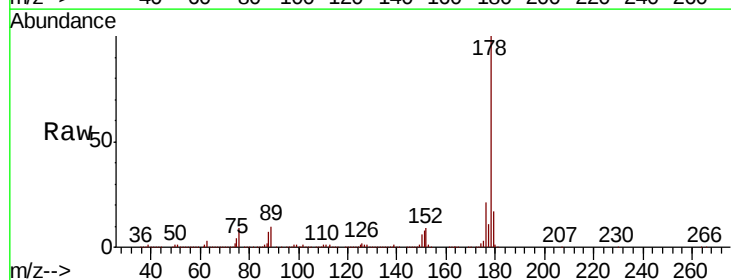
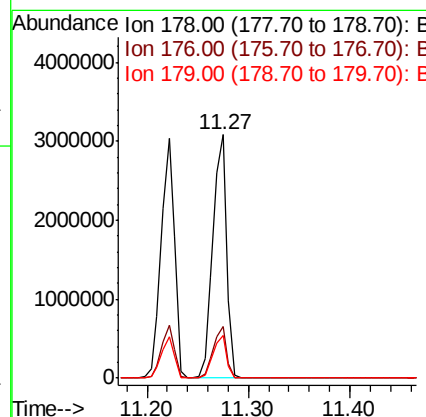
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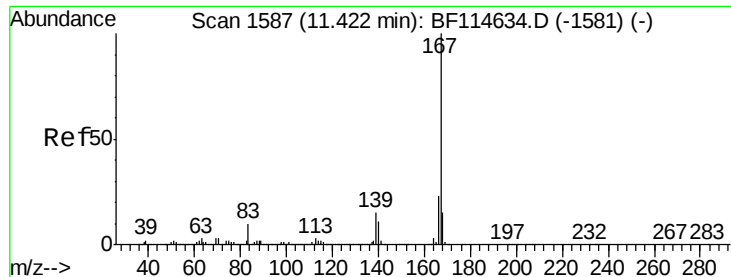
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#72
Anthracene
Concen: 41.776 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	16.6	24.8
179	17.4	13.4	20.0





#73

Carbazole

Concen: 44.534 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:167 Resp: 2727651

Ion Ratio Lower Upper

167 100

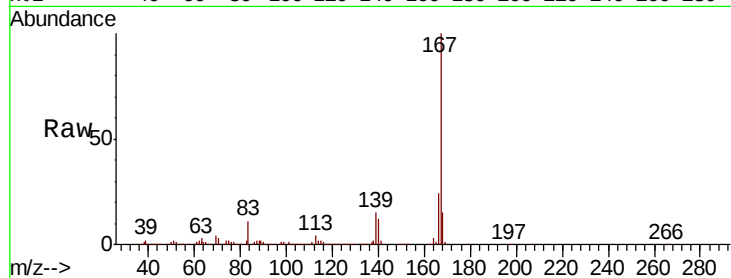
166 23.8 18.7 28.1

139 15.2 11.8 17.8

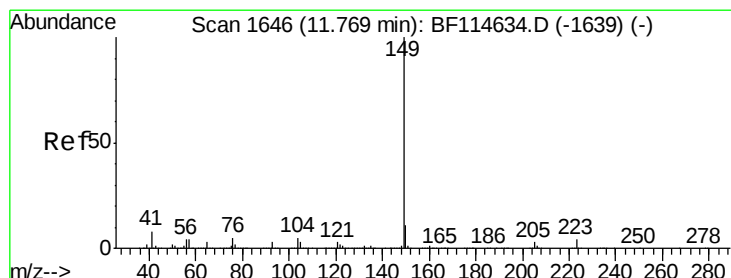
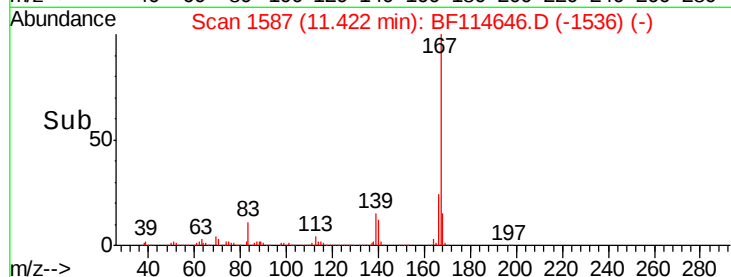
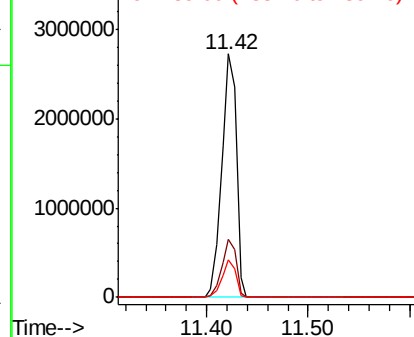
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 45.547 ng

RT: 11.77 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

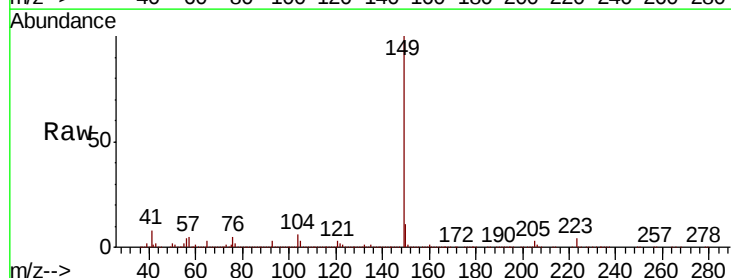
Tgt Ion:149 Resp: 3358253

Ion Ratio Lower Upper

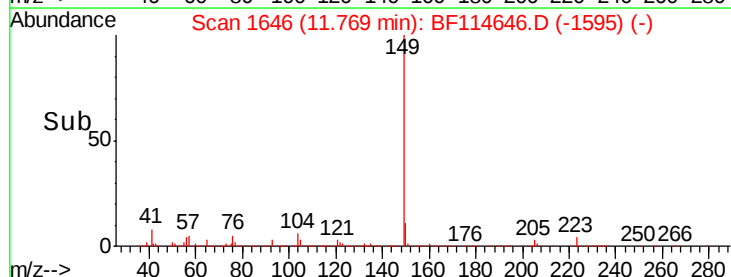
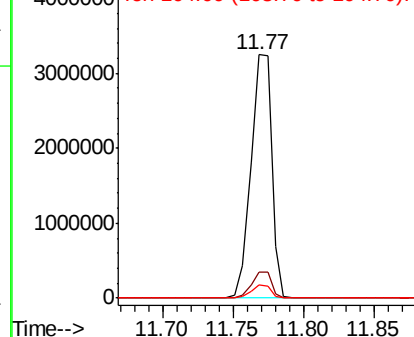
149 100

150 10.7 8.6 12.8

104 5.6 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.244 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

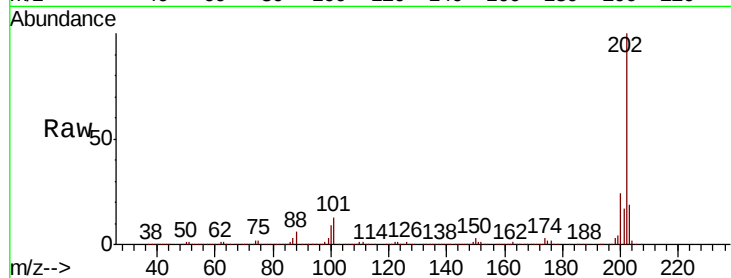
ClientSampleId :

B-4W(3-4)MSD

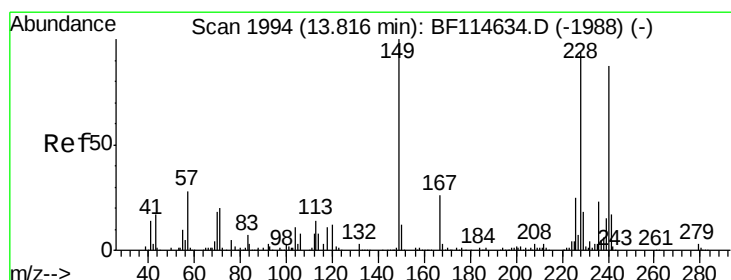
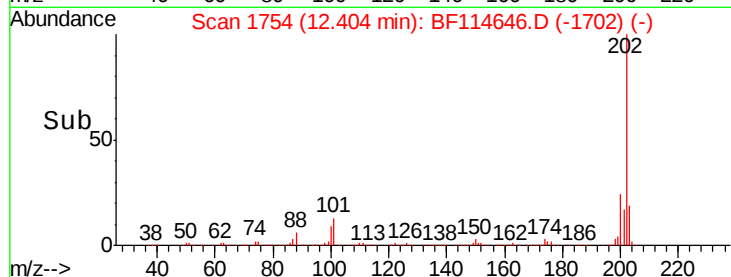
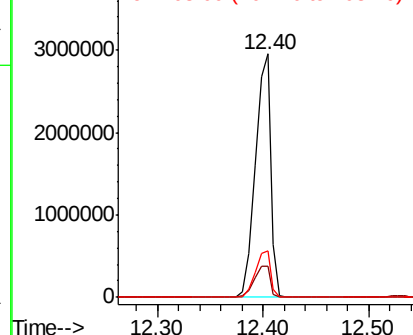
Tot Ion:	202	Resp:	3011990
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	33.9
203	19.2	0.0	39.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

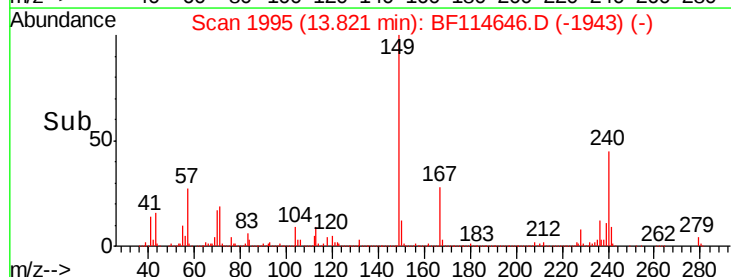
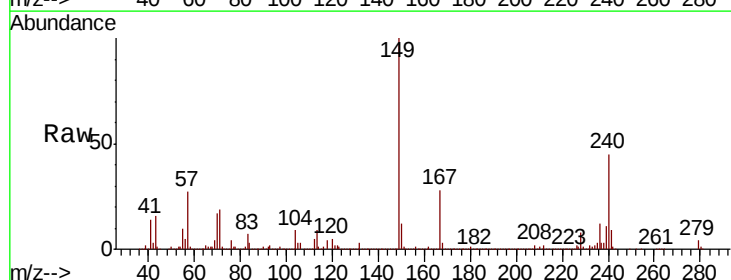
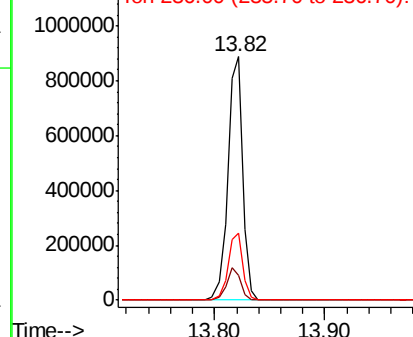
Delta R.T. 0.01 min

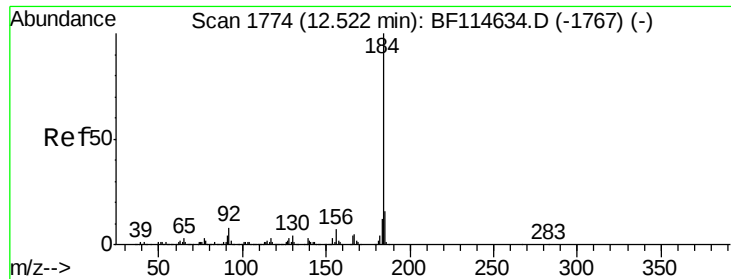
Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:	240	Resp:	834199
Ion Ratio	Lower	Upper	
240	100		
120	10.3	11.2	16.8#
236	27.3	21.2	31.8

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 33.436 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:184 Resp: 1148570

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

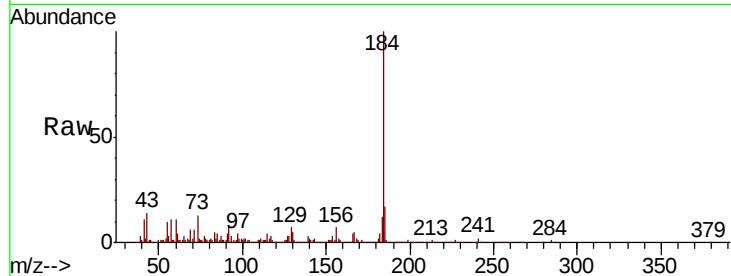
183 12.0 9.4 14.2

Manual Integrations

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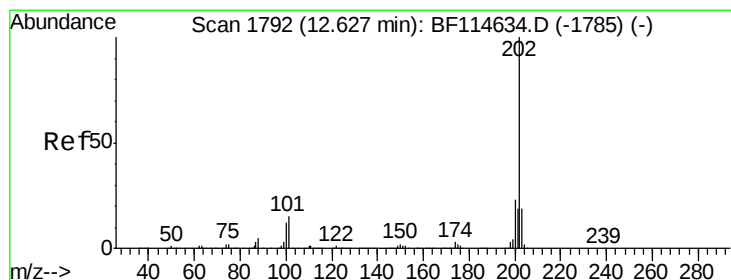
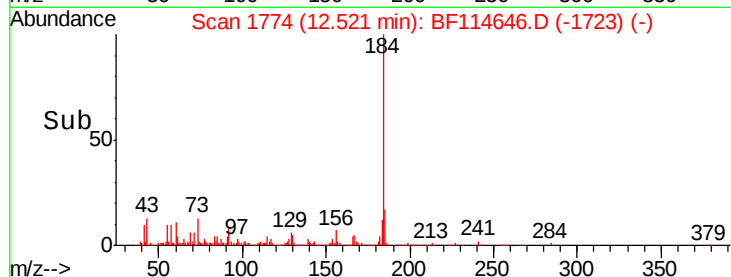
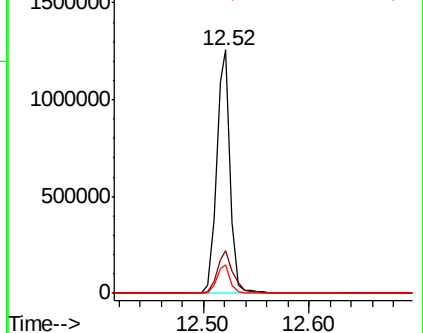
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.204 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

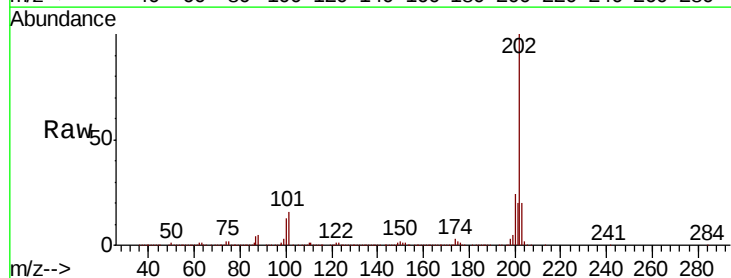
Tgt Ion:202 Resp: 3048758

Ion Ratio Lower Upper

202 100

200 23.7 18.6 28.0

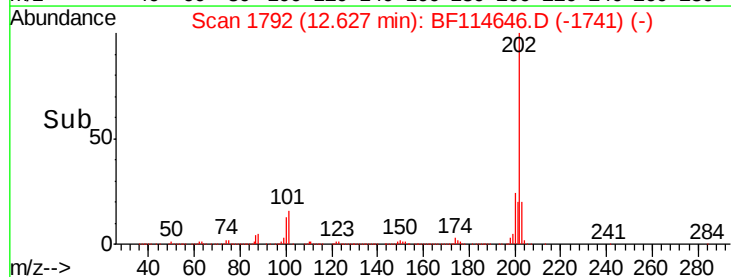
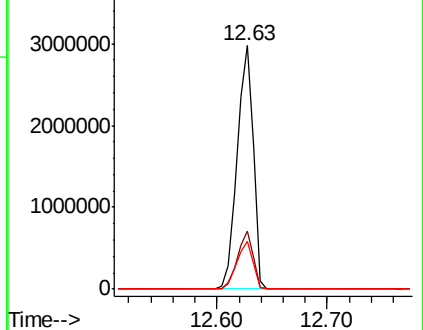
203 19.7 15.4 23.2

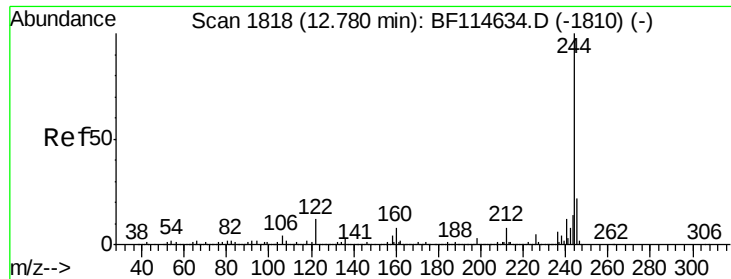


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





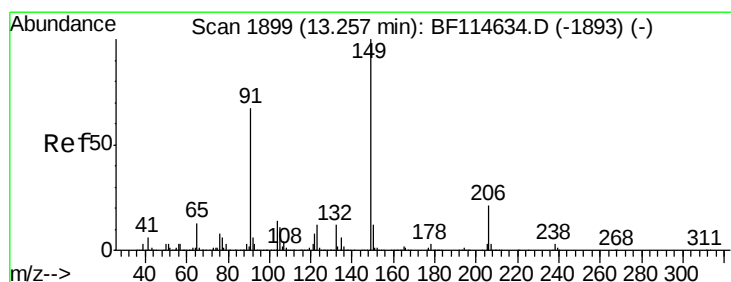
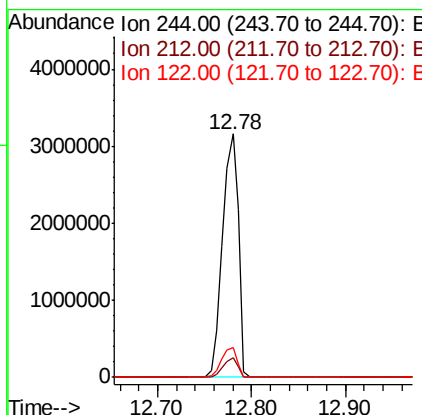
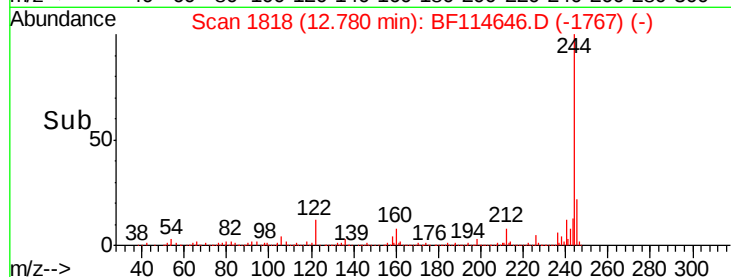
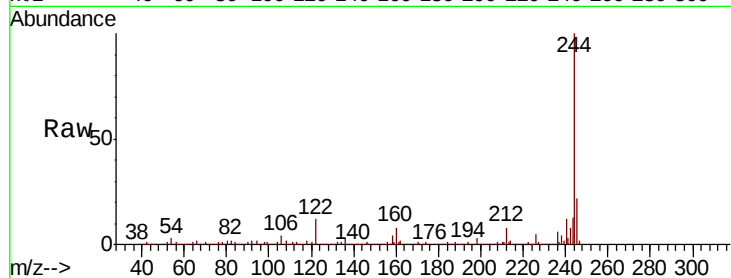
#79
 Terphenyl-d14
 Concen: 84.094 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	12.4	9.8	14.8

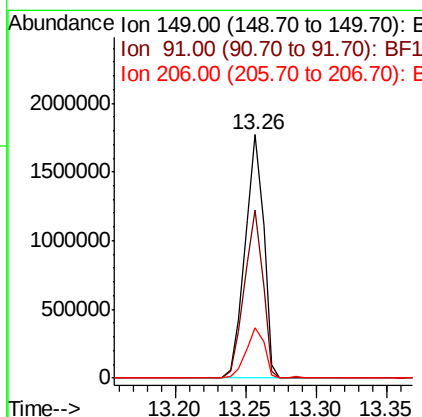
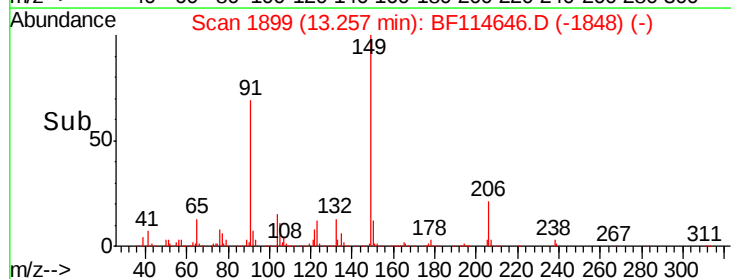
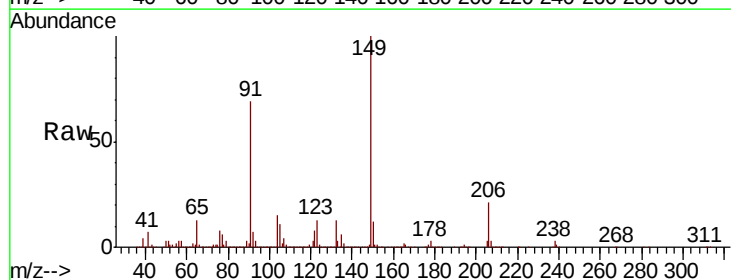
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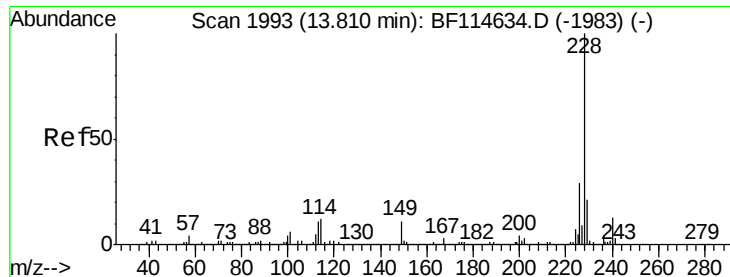
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#80
 Butylbenzylphthalate
 Concen: 45.913 ng
 RT: 13.26 min Scan# 1899
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.9	53.8	80.8
206	20.9	16.9	25.3





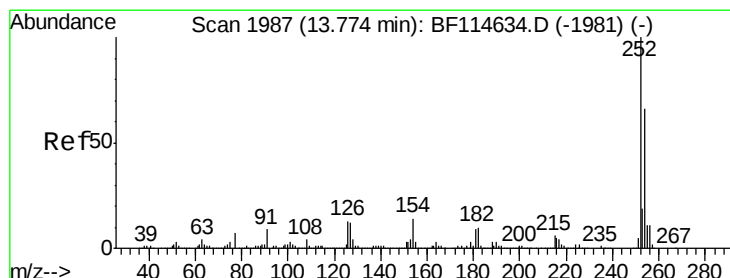
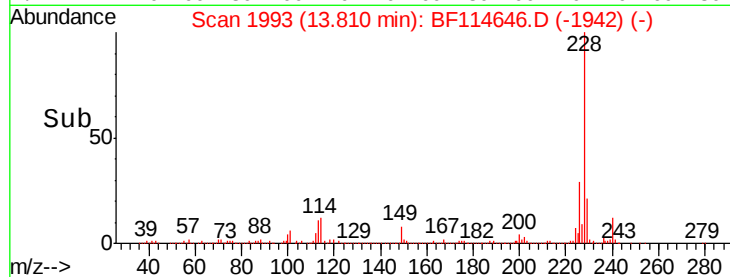
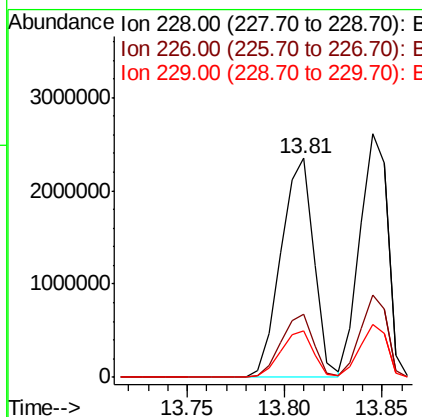
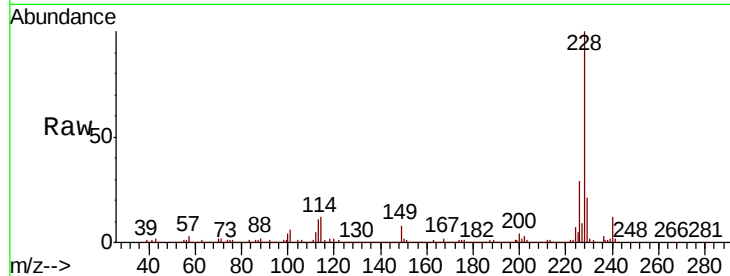
#81
Benzo(a)anthracene
Concen: 42.732 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.0	34.6
229	21.2	17.0	25.4

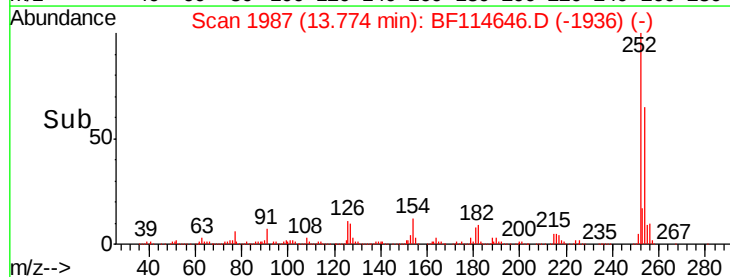
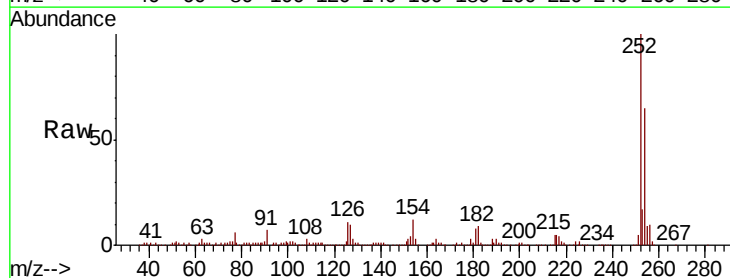
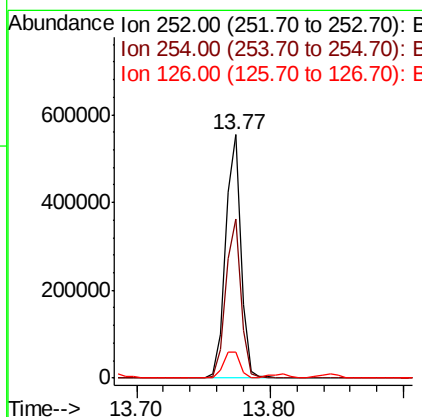
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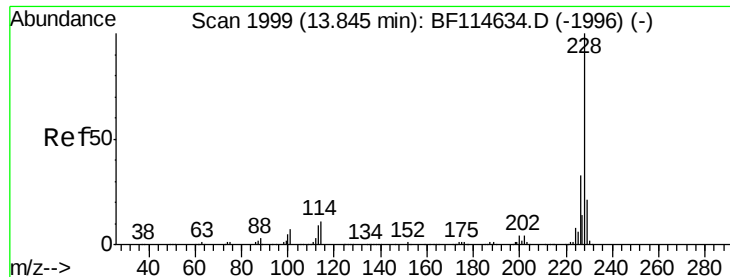
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#82
3,3'-Dichlorobenzidine
Concen: 18.327 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	53.1	79.7
126	10.9	10.2	15.2





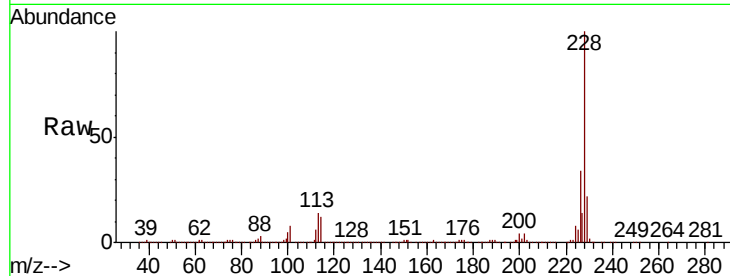
#83
 Chrvsene
 Concen: 42.535 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	26.4	39.6
229	21.9	17.1	25.7

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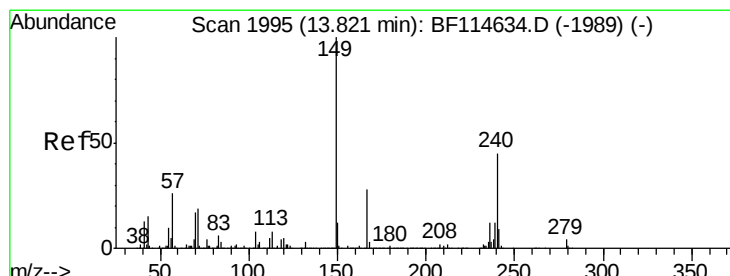
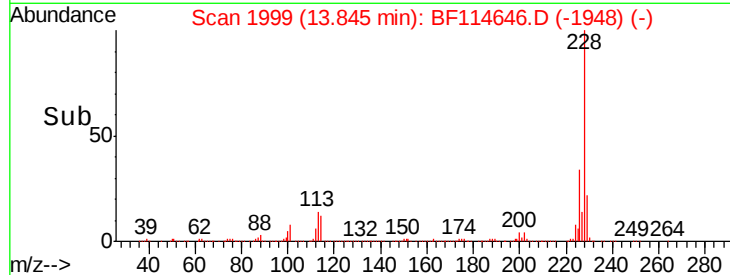
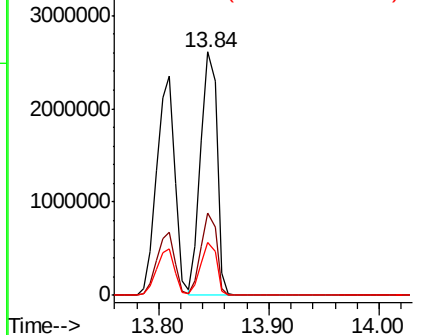


Abundance

Ion 228.00 (227.70 to 228.70): E

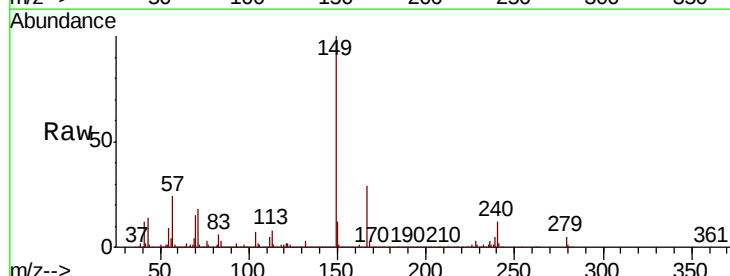
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.499 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. 0.01 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.6	33.8
279	4.6	3.0	4.4#

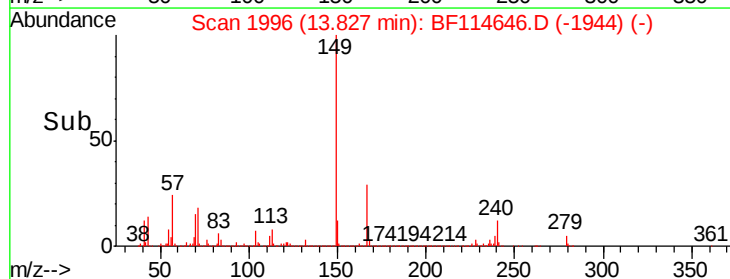
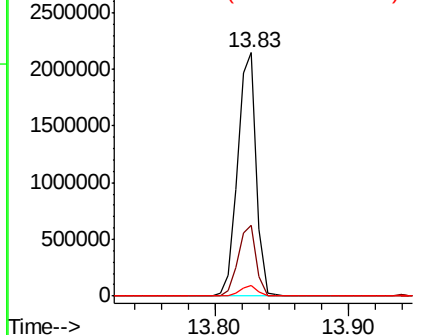


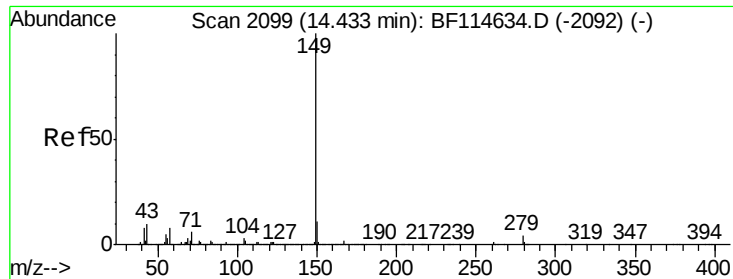
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 46.391 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:149 Resp: 3533943

Ion Ratio Lower Upper

149 100

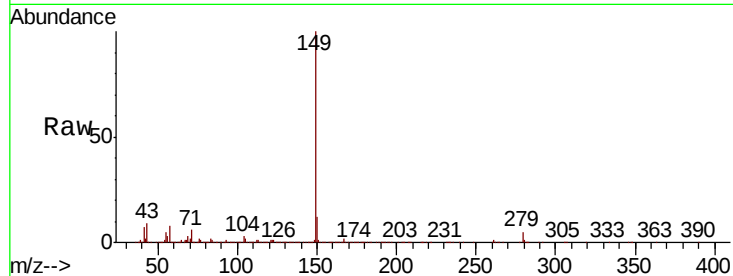
167 1.7 1.3 1.9

43 9.8 8.0 12.0

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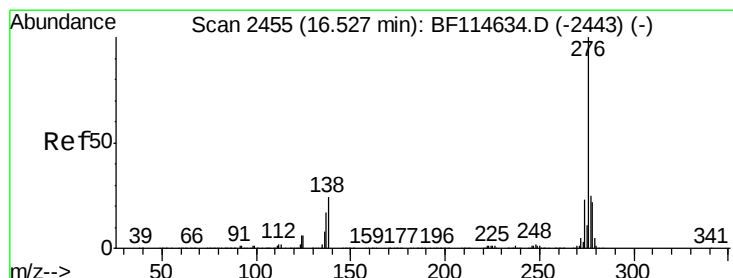
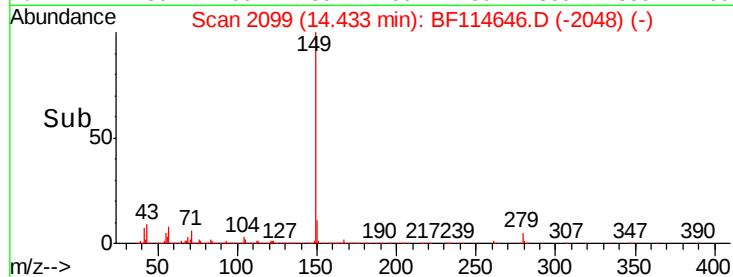
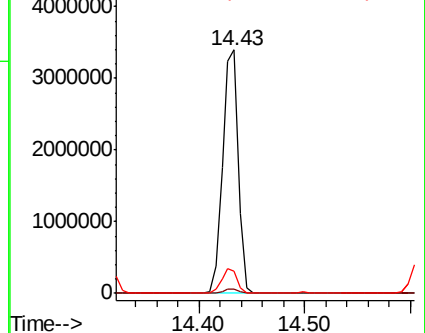
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 42.051 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

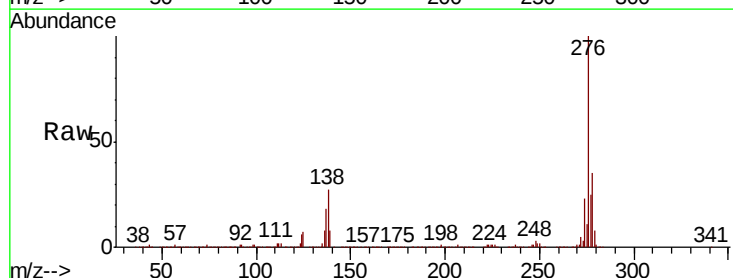
Tgt Ion:276 Resp: 2579518

Ion Ratio Lower Upper

276 100

138 28.9 23.0 34.6

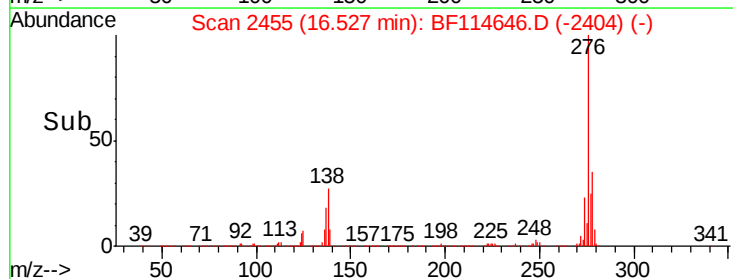
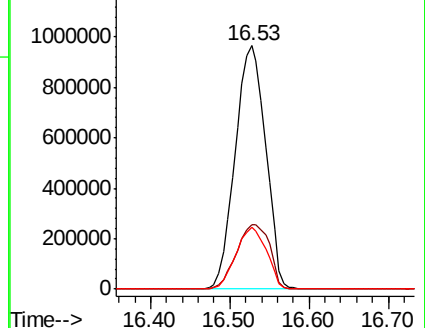
277 25.6 20.5 30.7

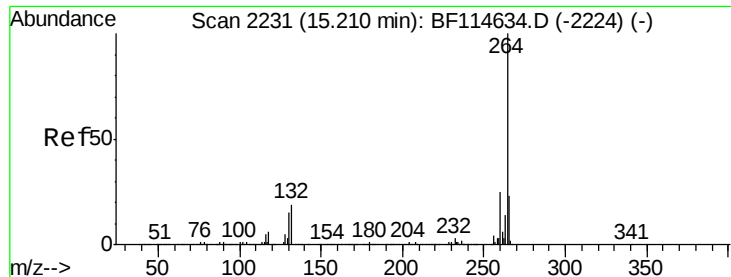


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

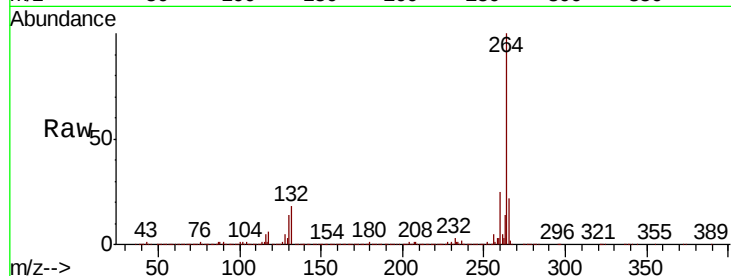
ClientSampled :

B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.0	18.1	27.1

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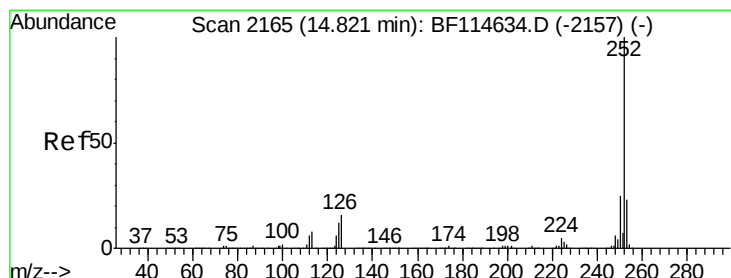
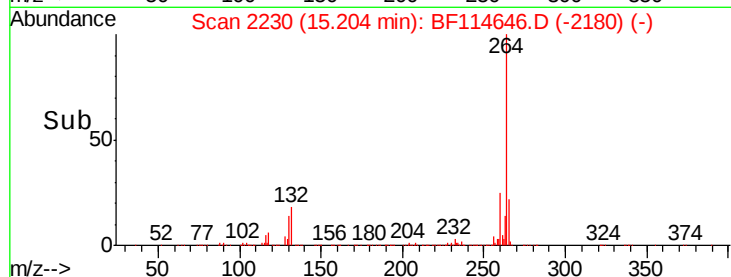
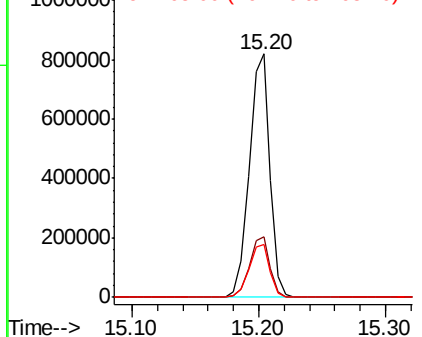


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 48.486 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

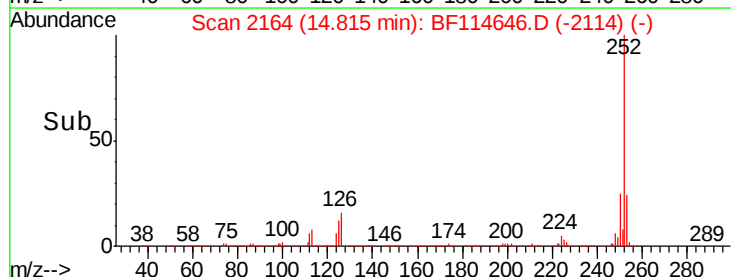
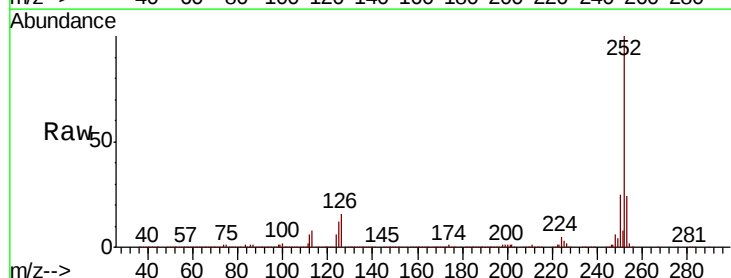
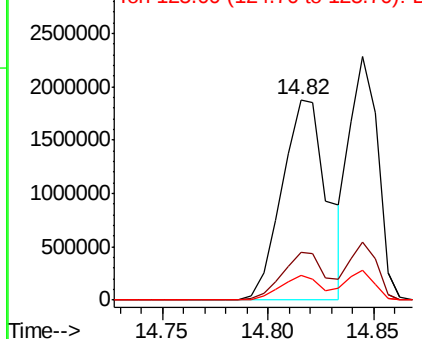
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	12.3	9.4	14.2

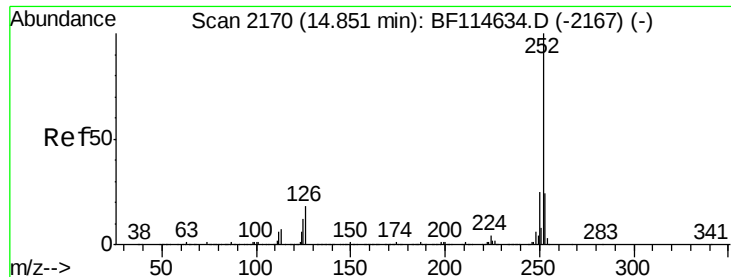
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





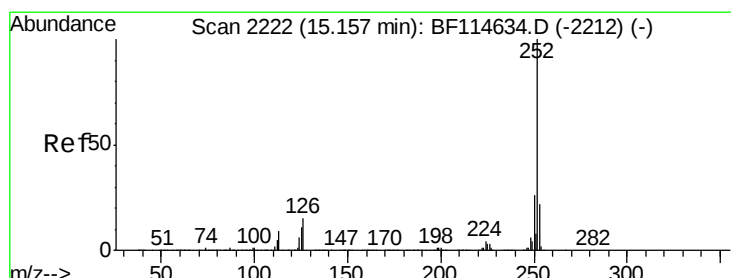
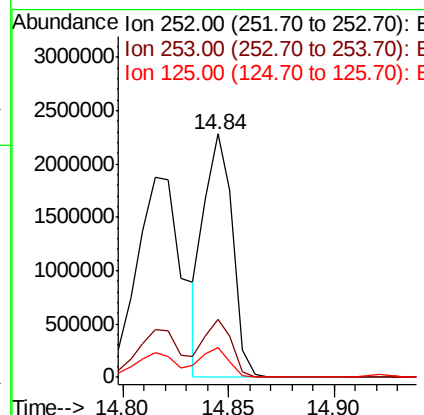
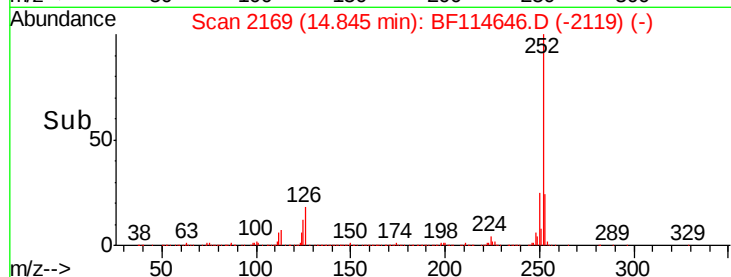
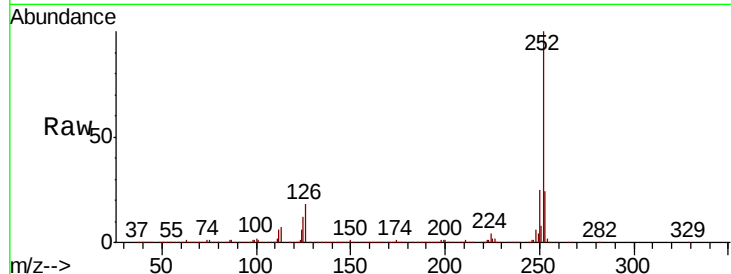
#89
Benzo(k)fluoranthene
Concen: 42.021 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	12.4	9.5	14.3

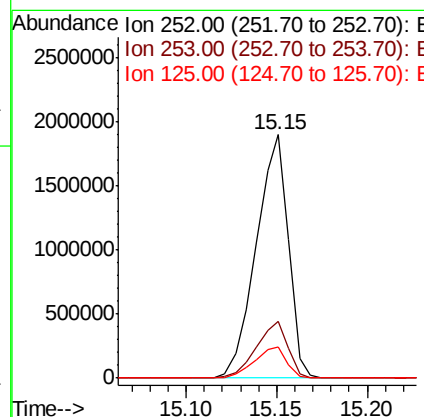
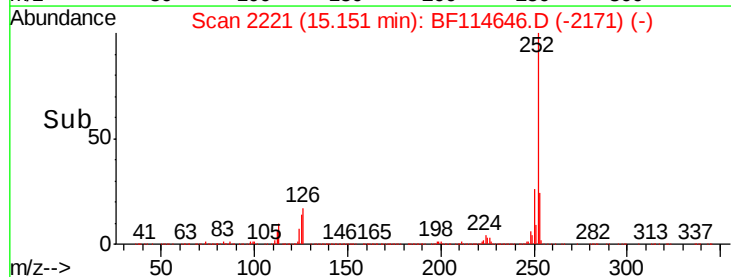
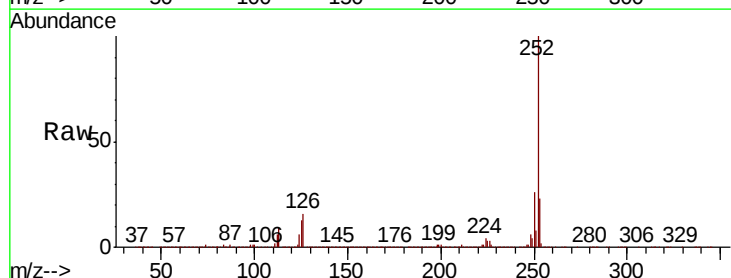
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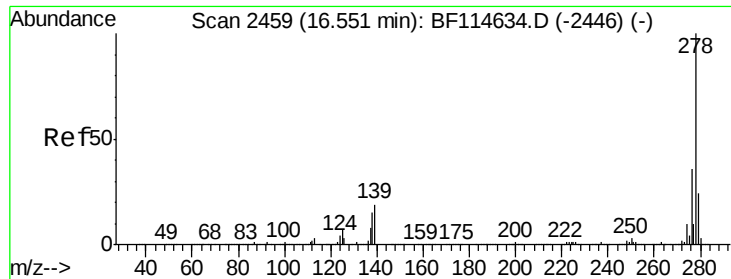
mohammad
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#90
Benzo(a)pyrene
Concen: 45.769 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.9	9.2	13.8





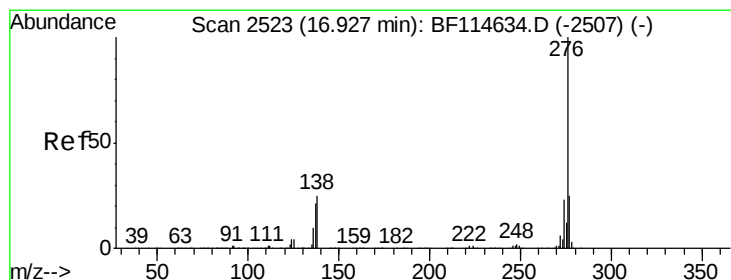
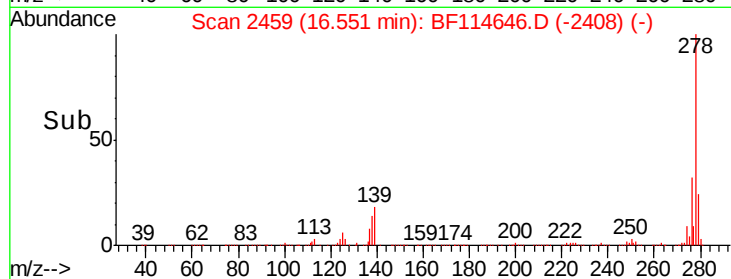
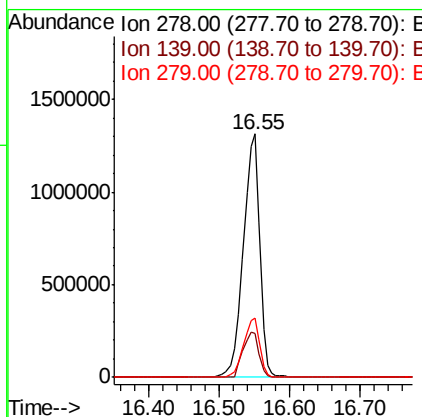
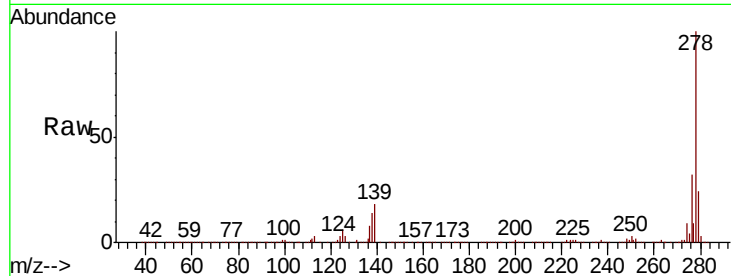
#91
Dibenzo(a,h)anthracene
Concen: 47.400 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	24.2	19.5	29.3

Manual Integrations
APPROVED

mohammad
5/30/2019 12:47:58 PM



#92
Benzo(g,h,i)perylene
Concen: 49.407 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.7	29.5
138	25.2	19.8	29.8

