

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
 Data File : BF114645.D
 Acq On : 29 May 2019 20:56
 Operator : HP/JU
 Sample : K3068-08MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 5/30/2019 12:47:55 PM

Quant Time: May 30 04:41:15 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	303991	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1177785	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	595137	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1202050	20.00	ng	0.00
76) Chrysene-d12	13.82	240	759619	20.00	ng	0.00
87) Perylene-d12	15.20	264	825002	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2154245	124.42	ng	0.01
7) Phenol-d6	6.33	99	2763053	132.43	ng	0.00
23) Nitrobenzene-d5	7.26	82	1702433	90.18	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	799136	140.92	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2949479	94.97	ng	0.00
79) Terphenyl-d14	12.78	244	3370511	83.42	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.36	88	298115	35.879 ng	98
3) Pyridine	3.06	79	827014	34.200 ng	99
4) n-Nitrosodimethylamine	2.99	42	404448	41.331 ng	99
6) Aniline	6.36	93	698284	22.157 ng	100
8) 2-Chlorophenol	6.48	128	893268	44.673 ng	99
9) Benzaldehyde	6.23	77	387507	30.744 ng	100
10) Phenol	6.35	94	1055264	41.868 ng	99
11) bis(2-Chloroethyl)ether	6.43	93	838800	43.508 ng	100
12) 1,3-Dichlorobenzene	6.63	146	949765	41.691 ng	96
13) 1,4-Dichlorobenzene	6.71	146	946550	41.417 ng	98
14) 1,2-Dichlorobenzene	6.87	146	890591	42.803 ng	99
15) Benzyl Alcohol	6.84	79	754348	45.963 ng	100
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1254864	42.437 ng	100
17) 2-Methylphenol	6.95	107	749435	44.313 ng	99
18) Hexachloroethane	7.21	117	352677	40.758 ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	614040	42.636 ng	98
20) 3+4-Methylphenols	7.10	107	854401	42.954 ng	96
22) Acetophenone	7.10	105	1162799	46.336 ng	97
24) Nitrobenzene	7.27	77	913040	45.530 ng	97
25) Isophorone	7.52	82	1735446	45.807 ng	99
26) 2-Nitrophenol	7.59	139	468449	47.990 ng	97
27) 2,4-Dimethylphenol	7.63	122	828475	51.032 ng	100
28) bis(2-Chloroethoxy)methane	7.73	93	1096553	45.468 ng	100
29) 2,4-Dichlorophenol	7.83	162	777433	47.048 ng	100
30) 1,2,4-Trichlorobenzene	7.92	180	837702	44.497 ng	99
31) Naphthalene	8.00	128	2451710	45.192 ng	99
32) Benzoic acid	7.72	122	168535	15.983 ng	98
33) 4-Chloroaniline	8.04	127	310335	12.007 ng	98
34) Hexachlorobutadiene	8.12	225	449627	42.993 ng	99
35) Caprolactam	8.41	113	267765m	48.017 ng	
36) 4-Chloro-3-methylphenol	8.53	107	817330	49.322 ng	97
37) 2-Methylnaphthalene	8.69	142	1750883	48.574 ng	99
38) 1-Methylnaphthalene	8.79	142	1634938	47.873 ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	717176	45.251 ng	99

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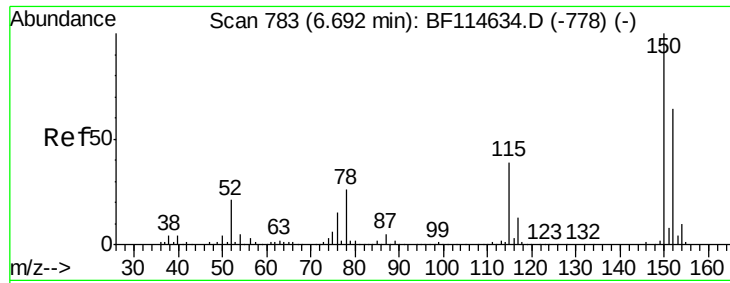
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	774885	73.987	nq	98
43) 2,4,6-Trichlorophenol	8.96	196	567527	45.509	nq	99
44) 2,4,5-Trichlorophenol	9.00	196	611625	49.149	nq	98
46) 1,1'-Biphenyl	9.15	154	2012866	45.563	nq	99
47) 2-Chloronaphthalene	9.17	162	1649830	45.527	nq	98
48) 2-Nitroaniline	9.26	65	500974	44.798	nq	98
49) Acenaphthylene	9.59	152	2534785	45.277	nq	100
50) Dimethylphthalate	9.46	163	2439747	58.832	nq	99
51) 2,6-Dinitrotoluene	9.51	165	466943	48.458	nq	95
52) Acenaphthene	9.76	154	1653935	48.172	nq	100
53) 3-Nitroaniline	9.67	138	261368	22.162	nq	99
54) 2,4-Dinitrophenol	9.77	184	279863	73.631	nq	94
55) Dibenzofuran	9.93	168	2263795	46.320	nq	99
56) 4-Nitrophenol	9.83	139	850770	97.345	nq	90
57) 2,4-Dinitrotoluene	9.91	165	620516	50.175	nq	87
58) Fluorene	10.27	166	1559622	49.546	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	522421	51.288	nq	100
60) Diethylphthalate	10.15	149	2013222	47.532	nq	100
61) 4-Chlorophenyl-phenylether	10.26	204	778950	48.887	nq	100
62) 4-Nitroaniline	10.28	138	490805	42.708	nq	99
63) Azobenzene	10.42	77	1842115	47.371	nq	99
65) 4,6-Dinitro-2-methylphenol	10.31	198	242843	45.561	nq	96
66) n-Nitrosodiphenylamine	10.38	169	1636312	46.074	nq	99
67) 4-Bromophenyl-phenylether	10.75	248	565572	43.875	nq	98
68) Hexachlorobenzene	10.82	284	598364	42.857	nq	97
69) Atrazine	10.91	200	517788	47.633	nq	99
70) Pentachlorophenol	11.00	266	698416	86.778	nq	99
71) Phenanthrene	11.22	178	2575930	42.009	nq	100
72) Anthracene	11.27	178	2671524	43.047	nq	99
73) Carbazole	11.42	167	2483713	45.537	nq	100
74) Di-n-butylphthalate	11.77	149	3055932	46.880	nq	100
75) Fluoranthene	12.40	202	2729816	42.993	nq	99
77) Benzidine	12.52	184	1083490	34.639	nq	98
78) Pyrene	12.63	202	2761298	42.972	nq	100
80) Butylbenzylphthalate	13.26	149	1467692	45.448	nq	99
81) Benzo(a)anthracene	13.81	228	2461056	42.160	nq	100
82) 3,3'-Dichlorobenzidine	13.77	252	441082	19.566	nq	98
83) Chrysene	13.84	228	2387815	42.814	nq	100
84) Bis(2-ethylhexyl)phthalate	13.82	149	1884408	47.200	nq	100
85) Di-n-octyl phthalate	14.43	149	3205404	46.209	nq	99
86) Indeno(1,2,3-cd)pyrene	16.53	276	2386173	42.718	nq	100
88) Benzo(b)fluoranthene	14.82	252	2304929	44.358	nq	100
89) Benzo(k)fluoranthene	14.84	252	2157600	47.773	nq	100
90) Benzo(a)pyrene	15.14	252	2129946	46.660	nq	97
91) Dibenzo(a,h)anthracene	16.54	278	1967126	48.767	nq	99
92) Benzo(g,h,i)perylene	16.92	276	2011042	51.368	nq	99

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



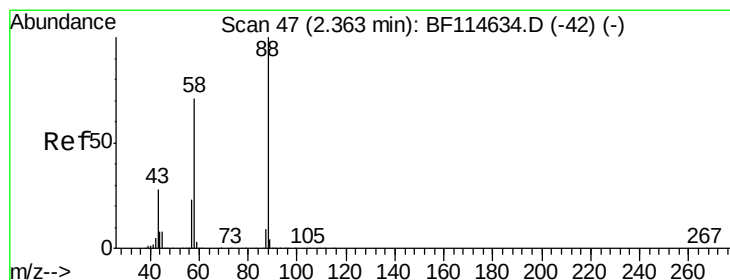
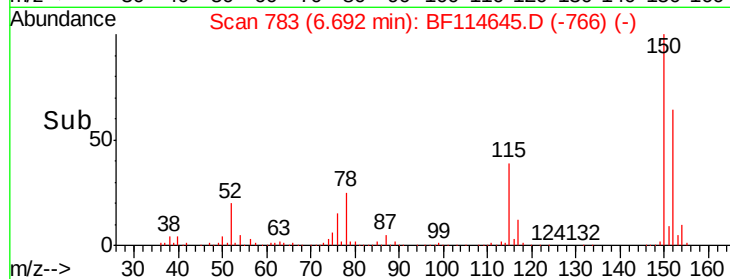
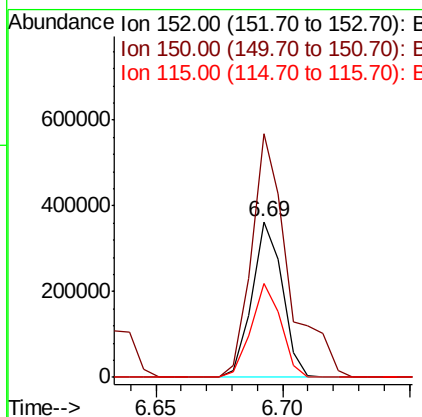
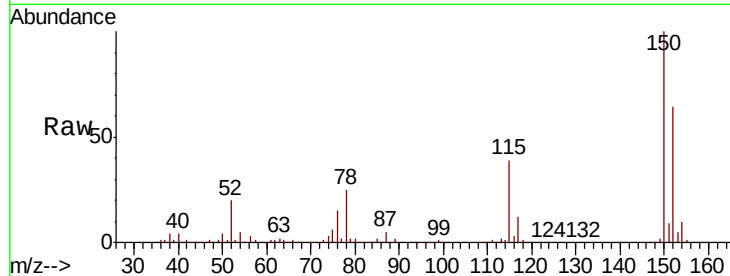
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.4	186.6
115	60.6	48.7	73.1

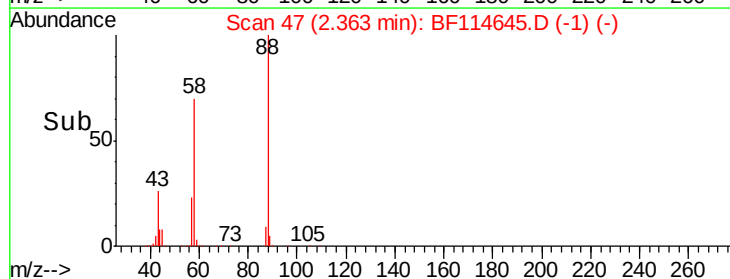
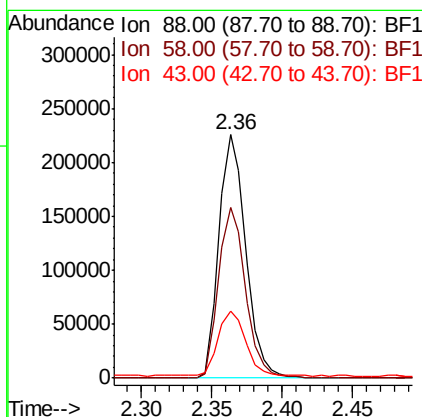
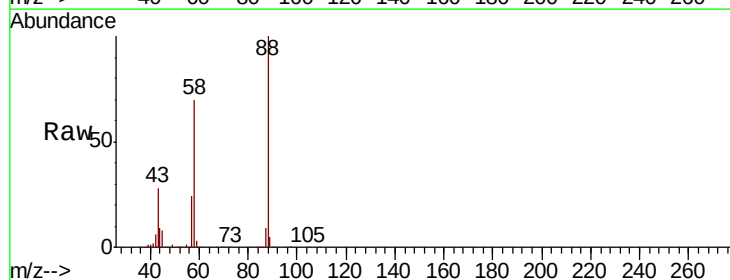
Manual Integrations
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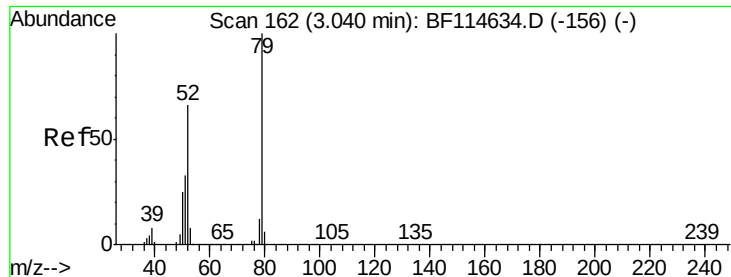
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#2
 1,4-Dioxane
 Concen: 35.879 ng
 RT: 2.36 min Scan# 47
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.1	57.2	85.8
43	27.6	22.6	33.8





#3

Pvridine

Concen: 34.200 ng

RT: 3.06 min Scan# 165

Delta R.T. 0.02 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

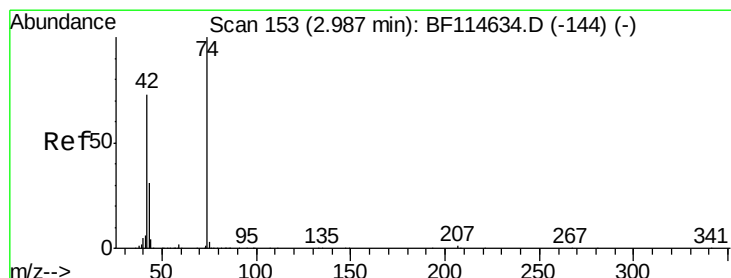
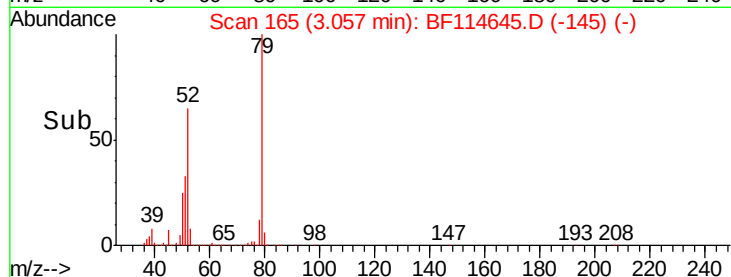
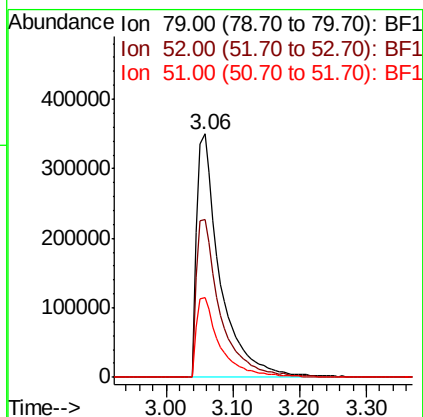
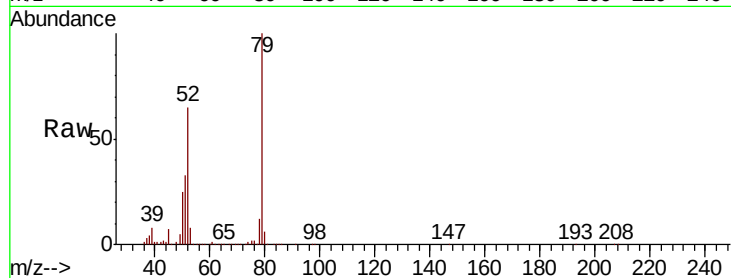
ClientSampleId :

B-4W(3-4)MS

Tot Ion:	79	Resp:	827014
Ion	Ratio	Lower	Upper
79	100		
52	65.0	52.8	79.2
51	32.6	26.3	39.5

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#4

n-Nitrosodimethylamine

Concen: 41.331 ng

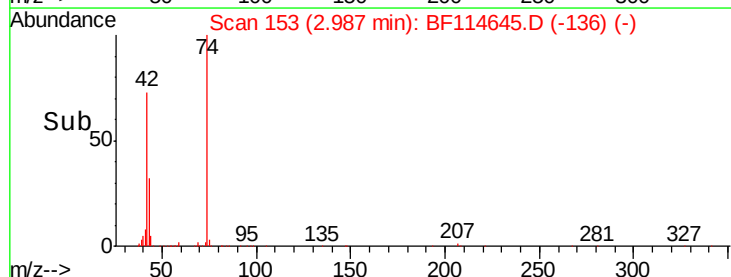
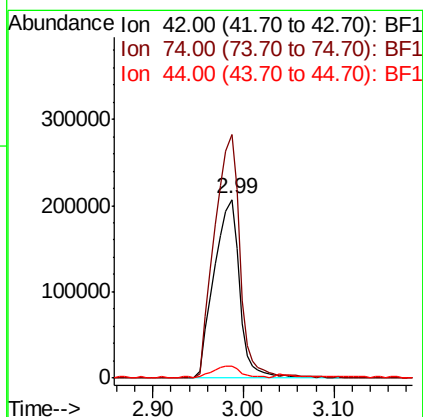
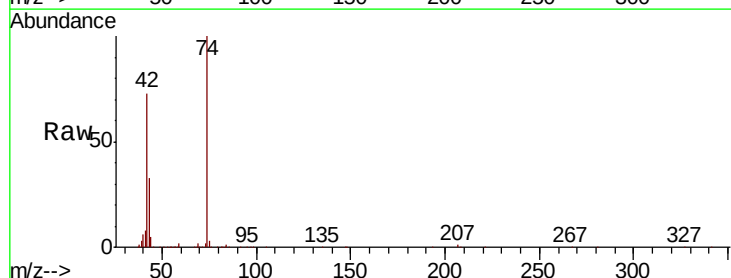
RT: 2.99 min Scan# 153

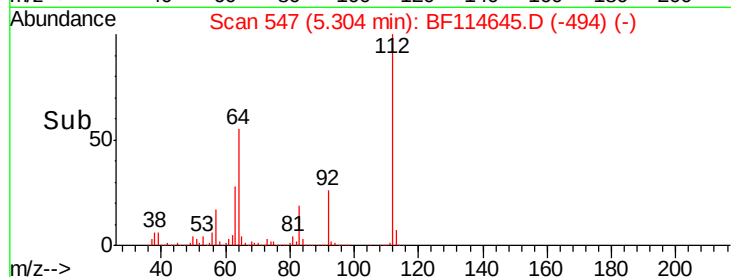
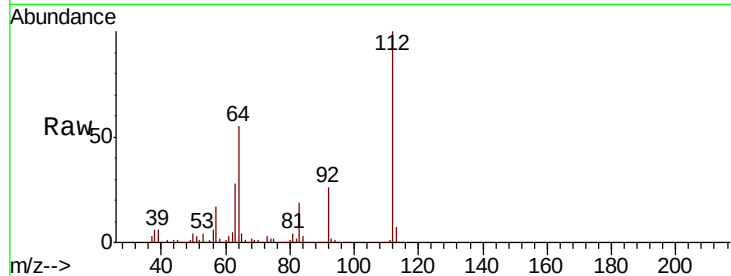
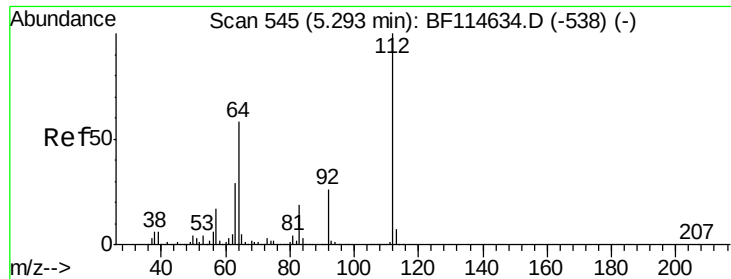
Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:	42	Resp:	404448
Ion	Ratio	Lower	Upper
42	100		
74	136.3	110.0	165.0
44	6.9	5.6	8.4





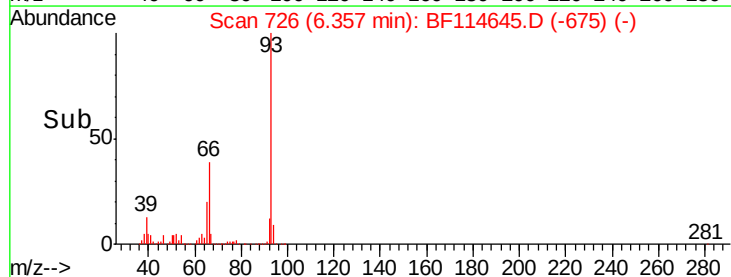
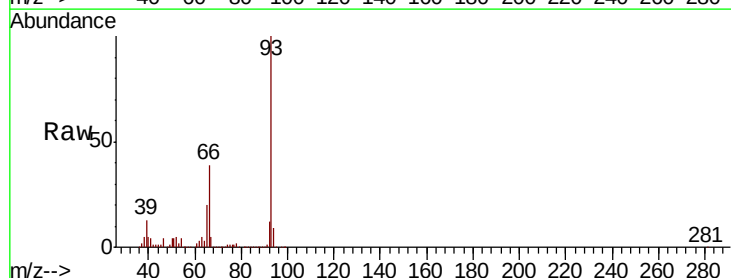
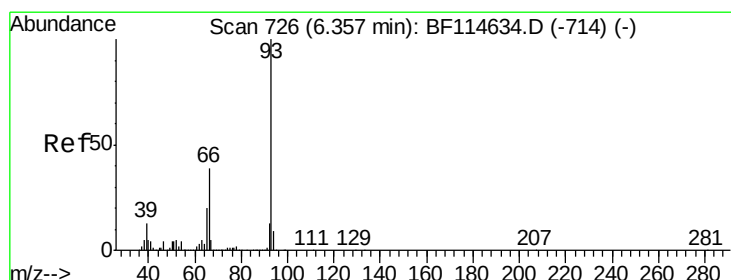
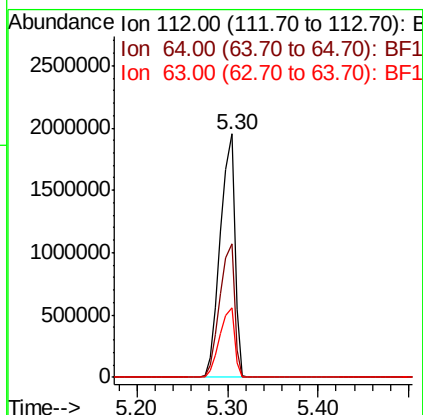
#5
2-Fluorophenol
Concen: 124.419 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tot Ion	Ratio	Resp	Lower	Upper
112	100	2154245		
64	55.1		46.1	69.1
63	28.4		23.4	35.2

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

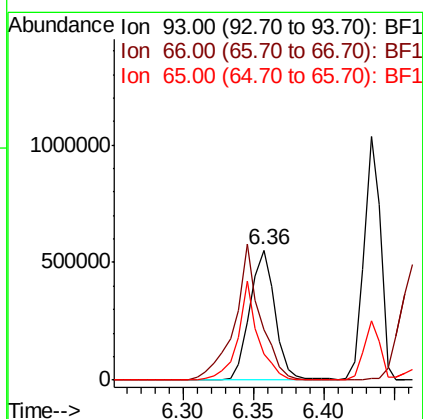
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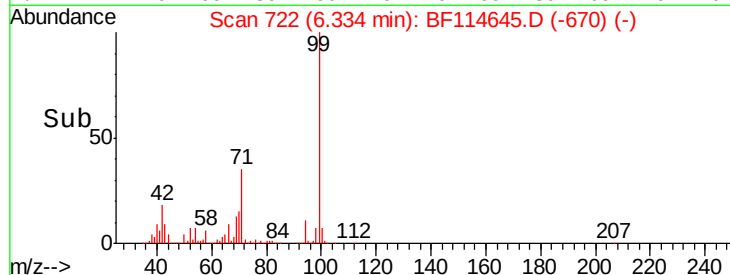
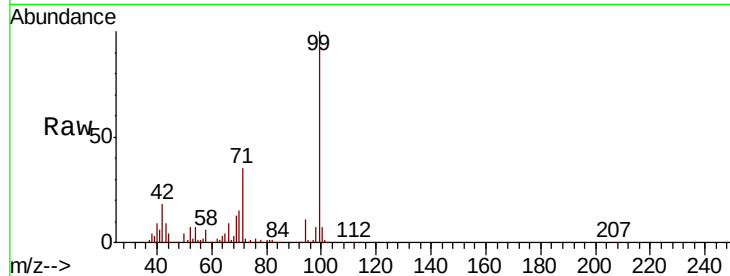
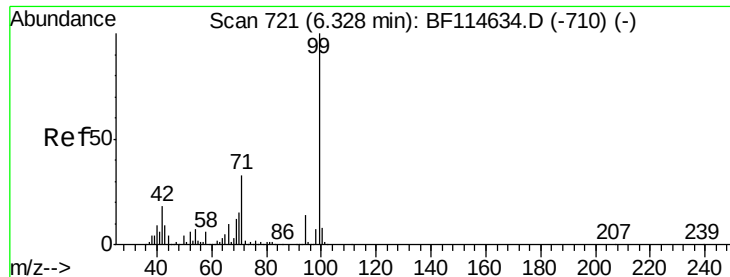
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#6
Aniline
Concen: 22.157 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	698284		
66	39.2		31.4	47.2
65	19.8		16.2	24.2





#7

Phenol-d6

Concen: 132.428 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tot Ion: 99 Resp: 2763053

Ion Ratio Lower Upper

99 100

42 18.4 14.7 22.1

71 34.6 26.6 40.0

Instrument :

BNA_F

ClientSampled :

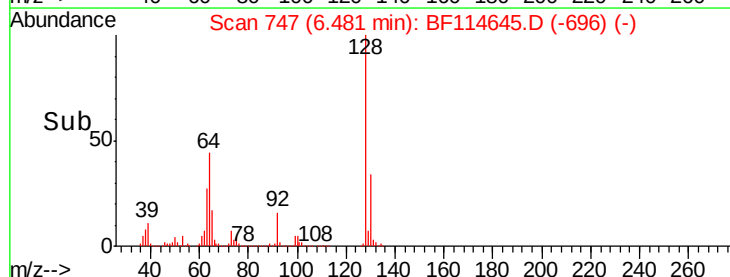
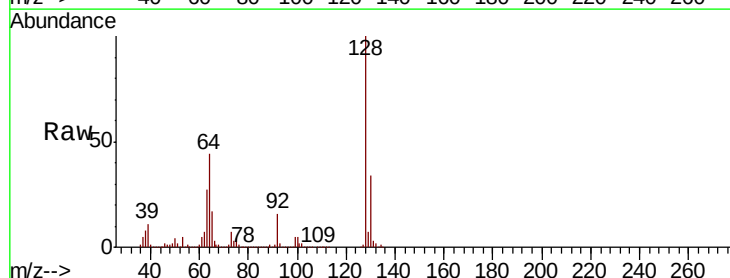
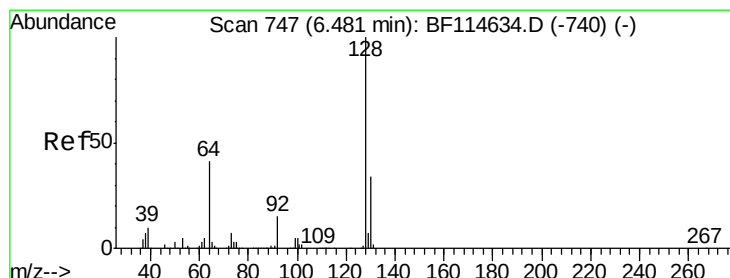
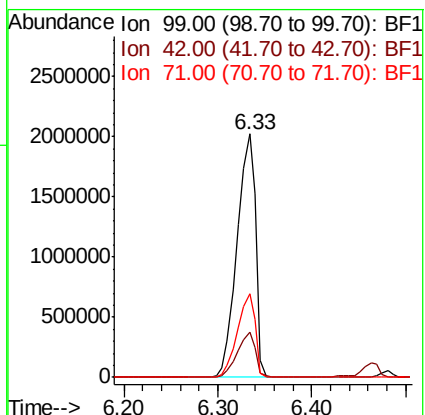
B-4W(3-4)MS

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#8

2-Chlorophenol

Concen: 44.673 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

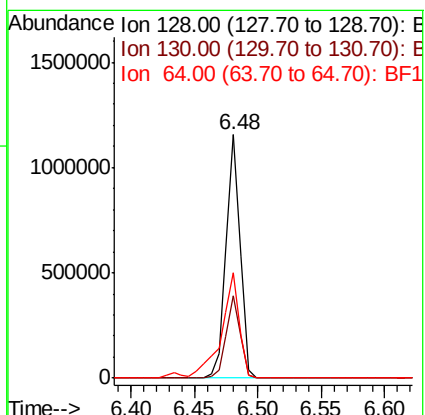
Tgt Ion: 128 Resp: 893268

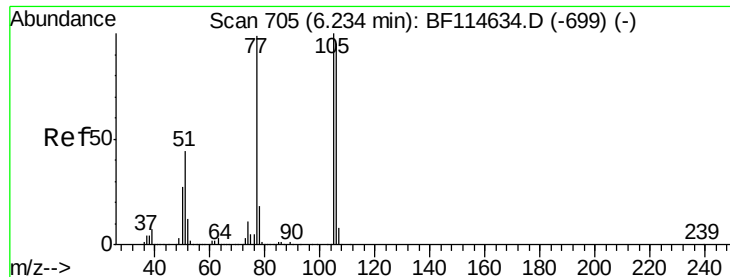
Ion Ratio Lower Upper

128 100

130 33.7 13.9 53.9

64 43.5 22.0 62.0





#9

Benzaldehyde

Concen: 30.744 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

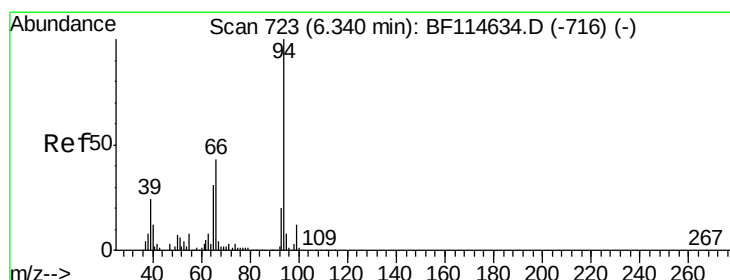
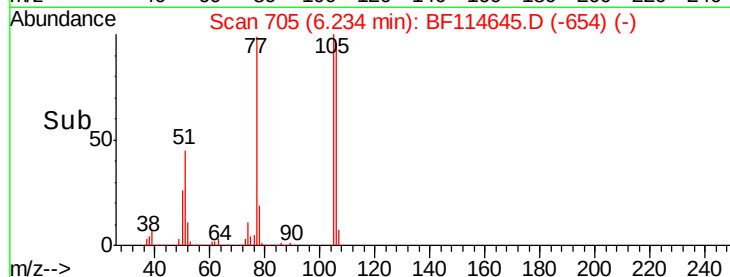
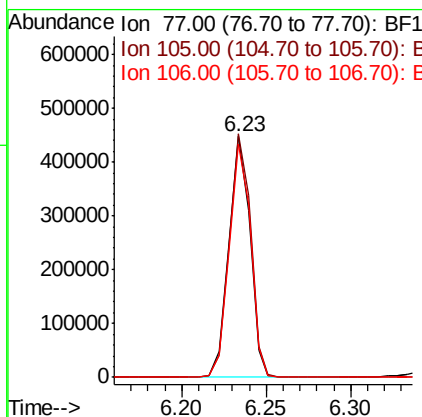
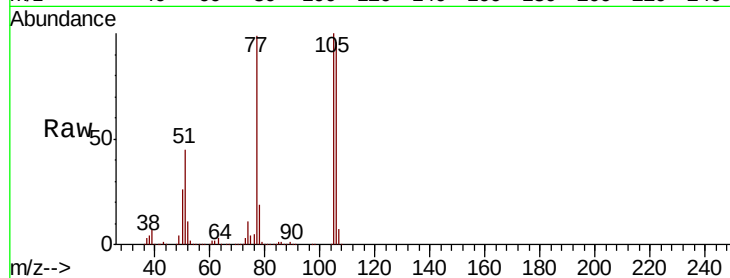
ClientSampleId :

B-4W(3-4)MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	101.1	80.8	120.8
106	96.7	76.2	116.2

Manual Integrations
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#10

Phenol

Concen: 41.868 ng

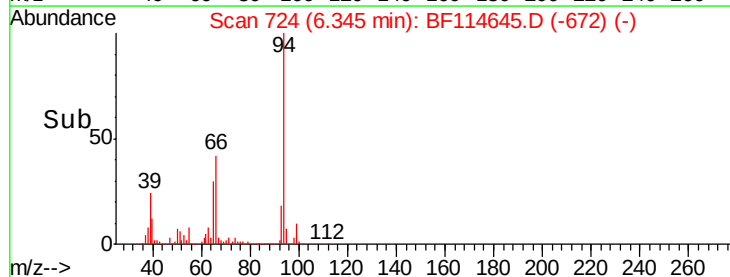
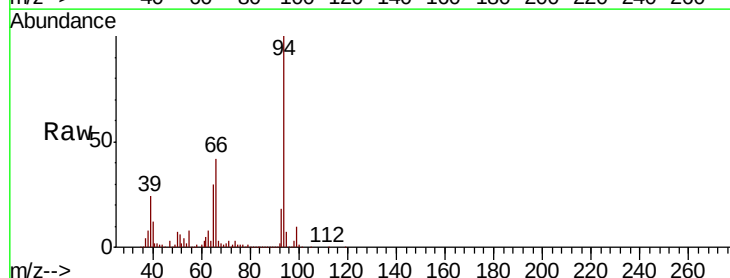
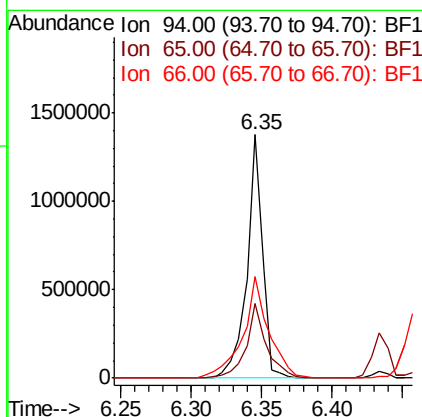
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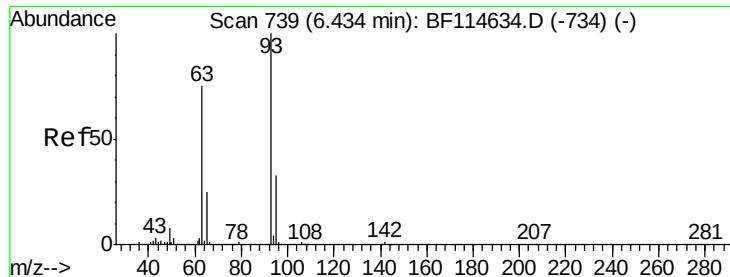
Delta R.T. 0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.5	11.0	51.0
66	41.9	23.0	63.0





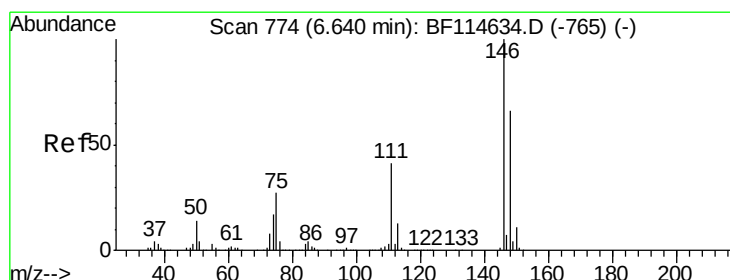
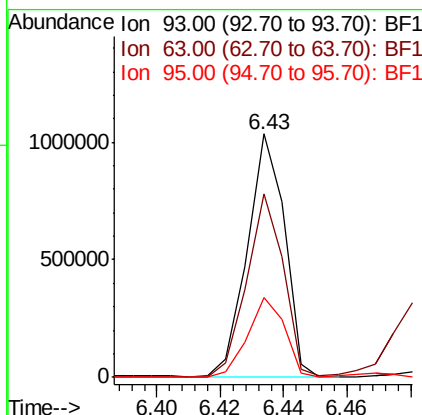
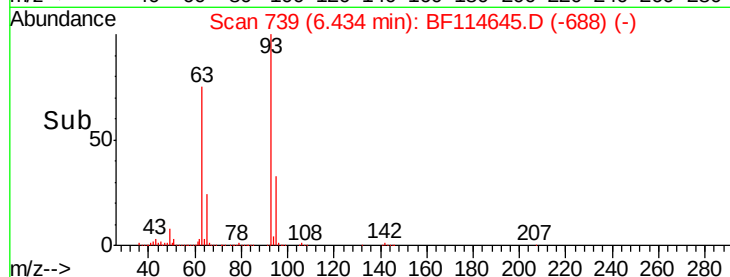
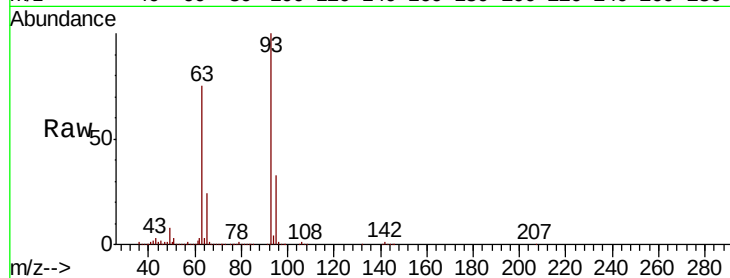
#11
bis(2-Chloroethyl)ether
Concen: 43.508 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	75.2	55.0	95.0	
95	33.0	13.5	53.5	

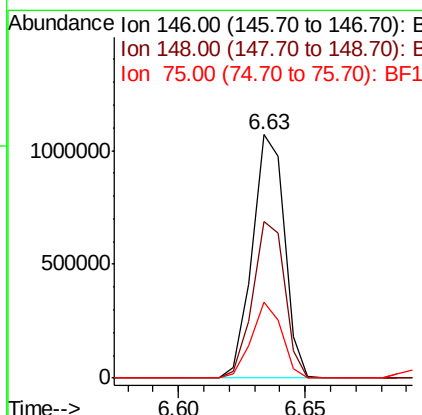
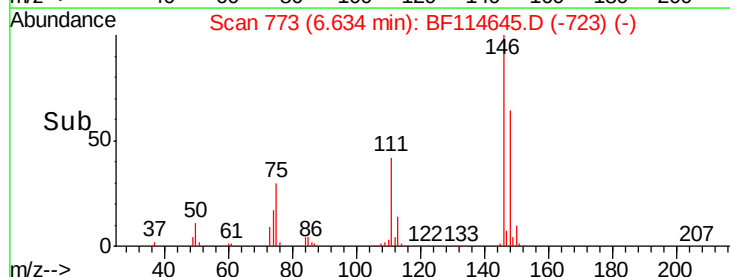
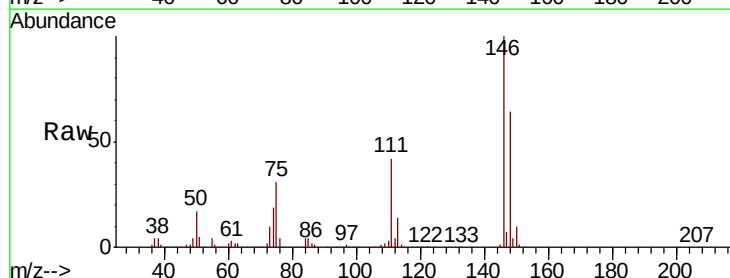
Manual Integrations
APPROVED

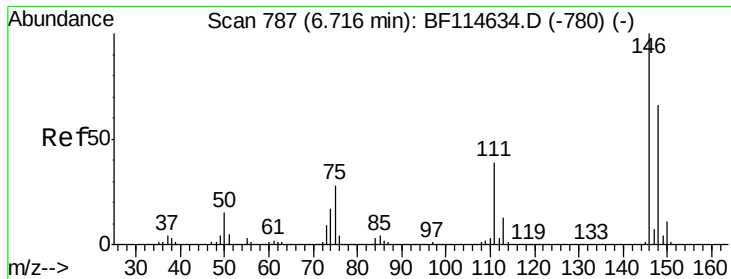
mohammad
5/30/2019 12:47:55 PM



#12
1,3-Dichlorobenzene
Concen: 41.691 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.3	52.9	79.3	
75	31.0	22.0	33.0	





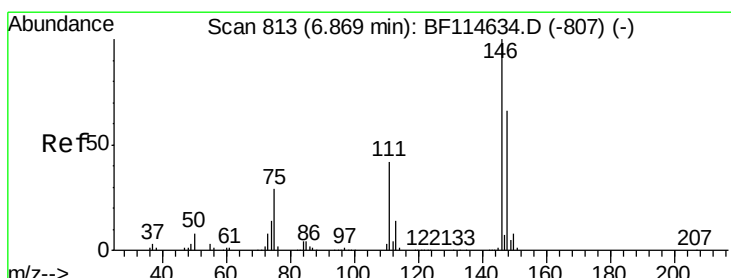
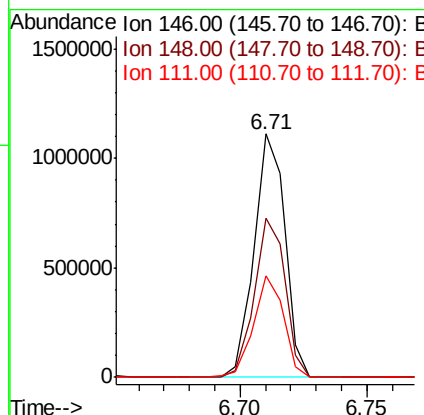
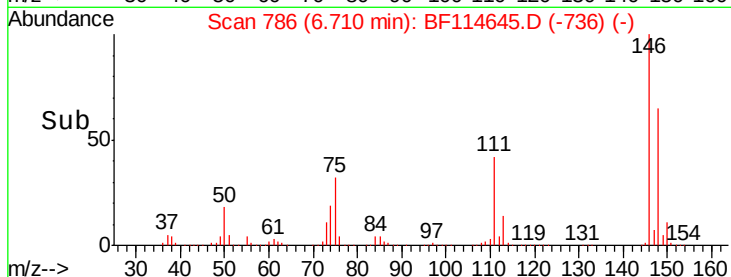
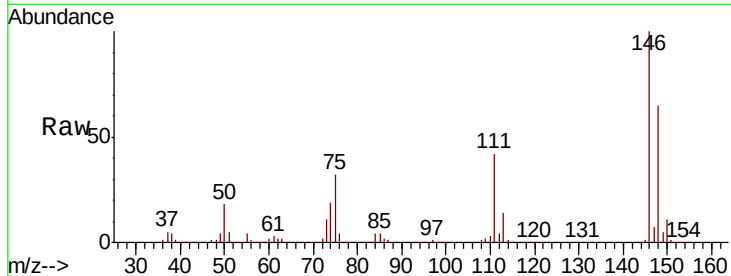
#13
1,4-Dichlorobenzene
Concen: 41.417 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.5	78.7
111	41.9	31.4	47.2

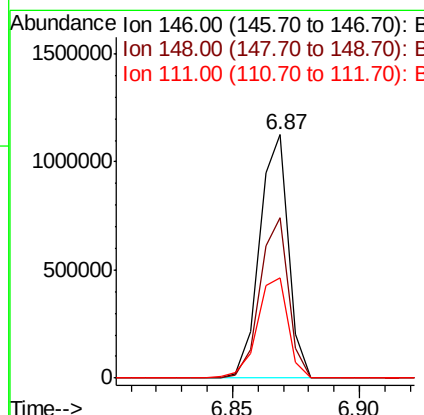
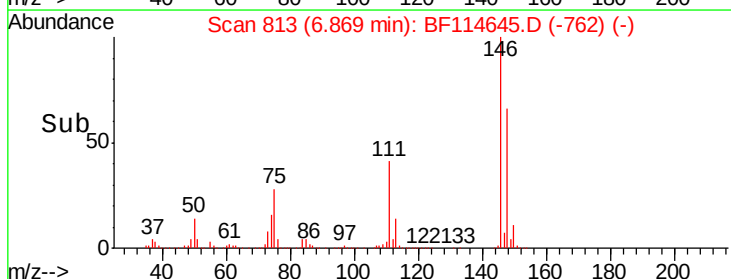
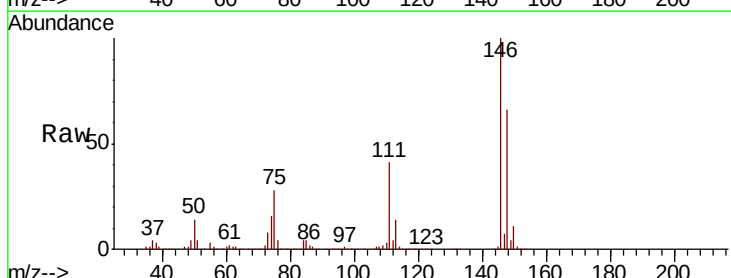
Manual Integrations
APPROVED

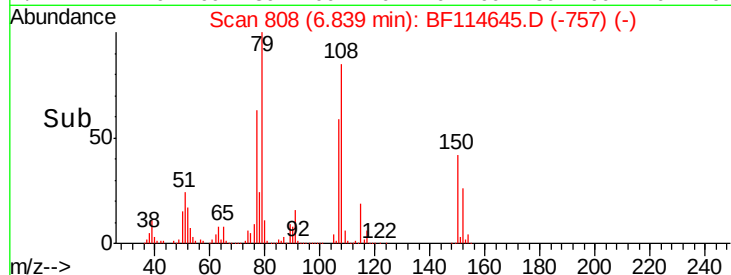
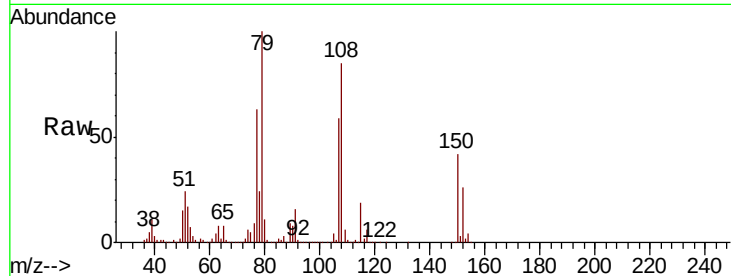
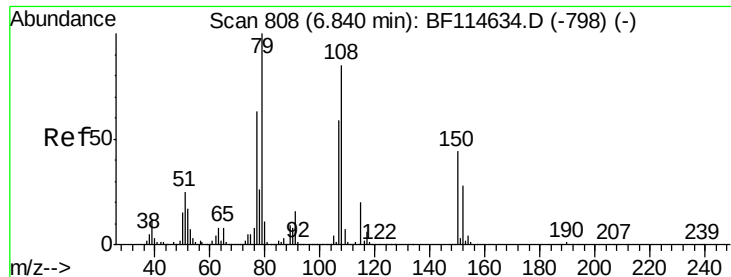
mohammad
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#14
1,2-Dichlorobenzene
Concen: 42.803 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.6	79.0
111	40.9	34.1	51.1





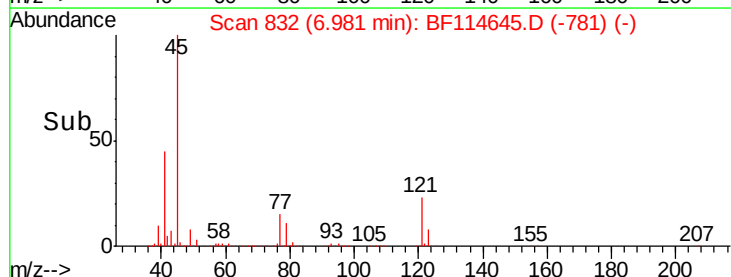
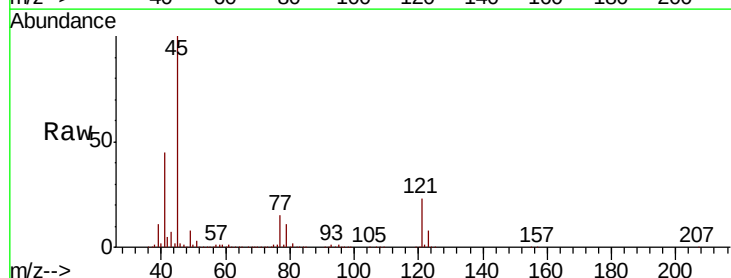
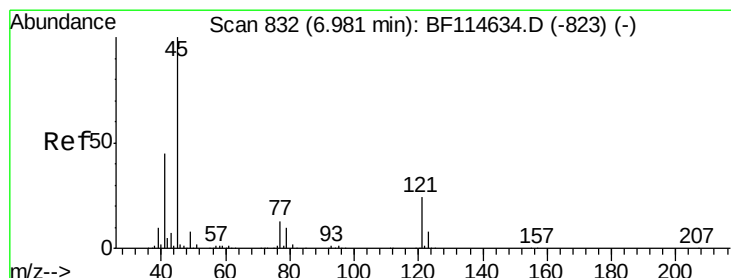
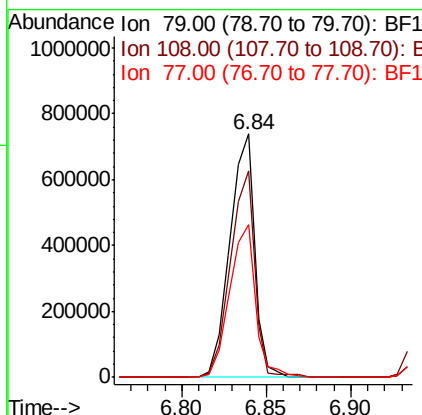
#15
Benzyl Alcohol
Concen: 45.963 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tot Ion	Ratio	Lower	Upper
79	100		
108	84.7	67.8	101.8
77	62.8	50.7	76.1

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

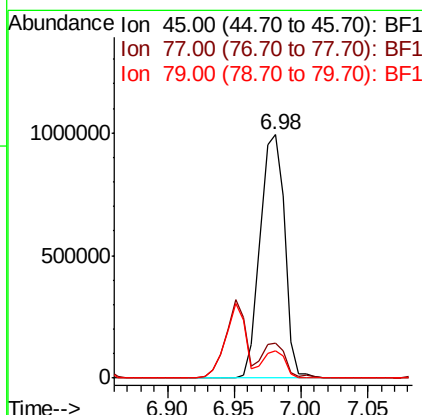
Manual Integrations
APPROVED

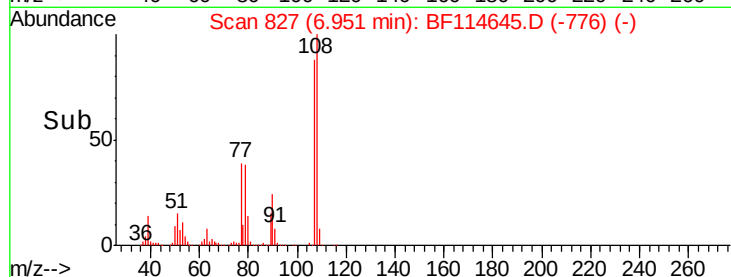
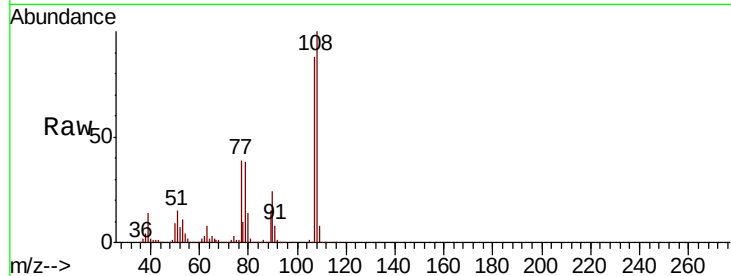
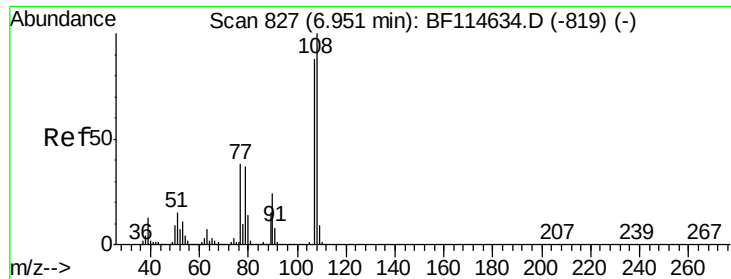
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.437 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.7
79	11.2	0.0	31.3





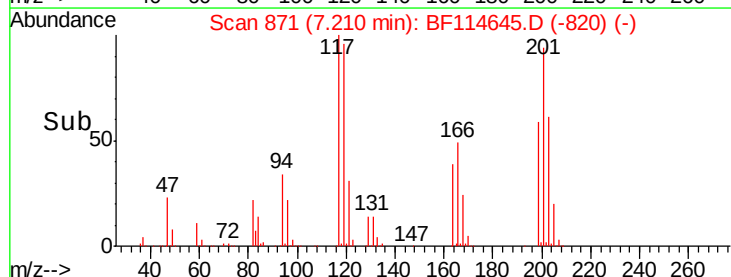
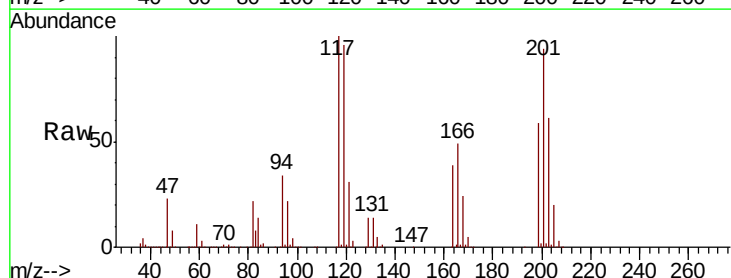
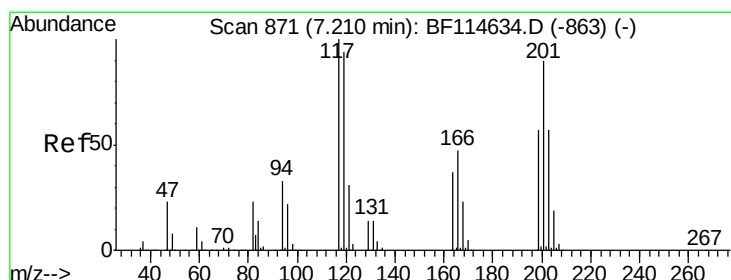
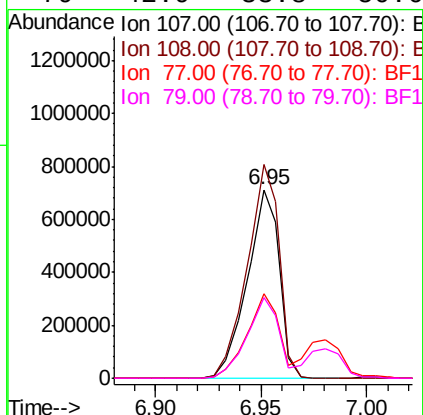
#17
2-Methylphenol
Concen: 44.313 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	749435		
108	108	113.3		91.1	136.7
77	77	44.7		34.9	52.3
79	79	42.9		33.8	50.6

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

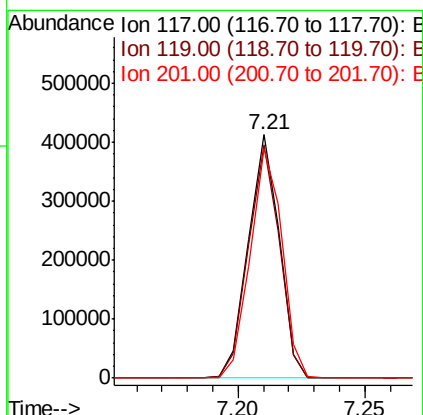
Manual Integrations
APPROVED

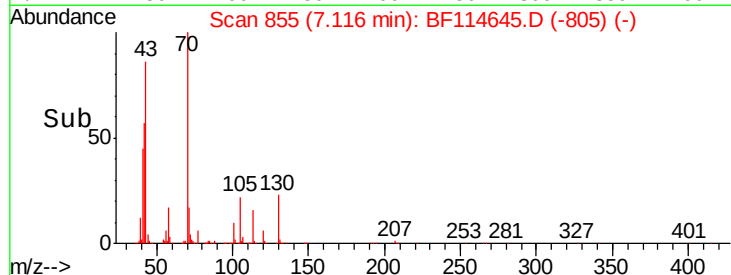
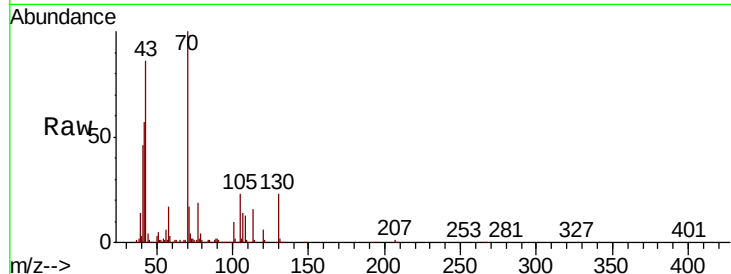
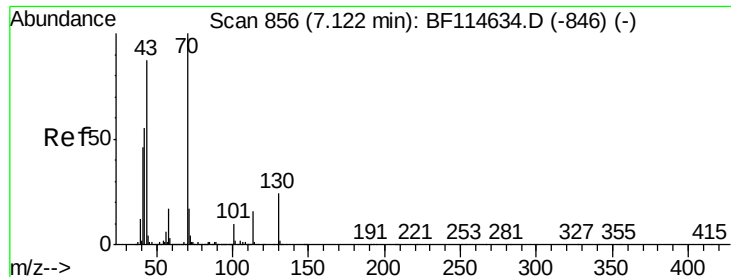
mohammad
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#18
Hexachloroethane
Concen: 40.758 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	352677		
119	119	95.9		75.6	113.4
201	201	94.2		71.7	107.5





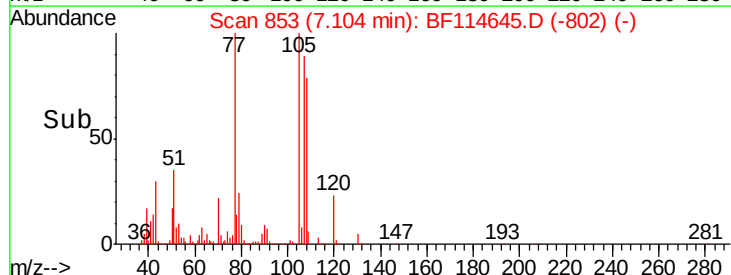
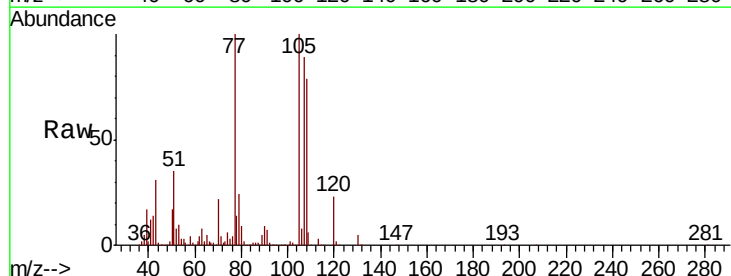
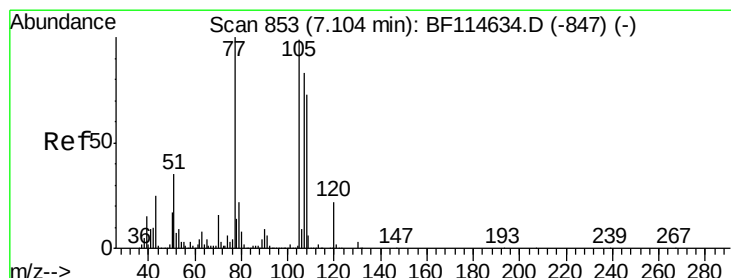
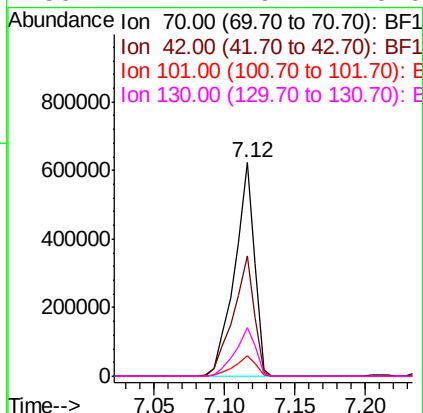
#19
n-Nitroso-di-n-propylamine
Concen: 42.636 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	56.6	44.4	66.6
101	9.8	8.2	12.4
130	22.7	19.4	29.0

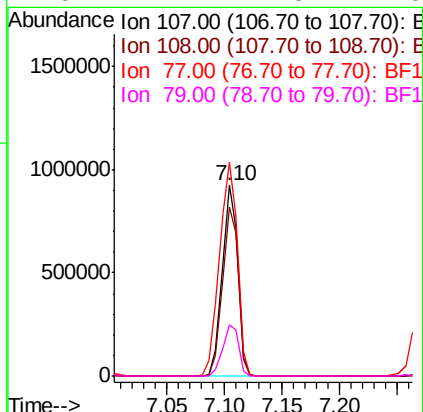
Manual Integrations
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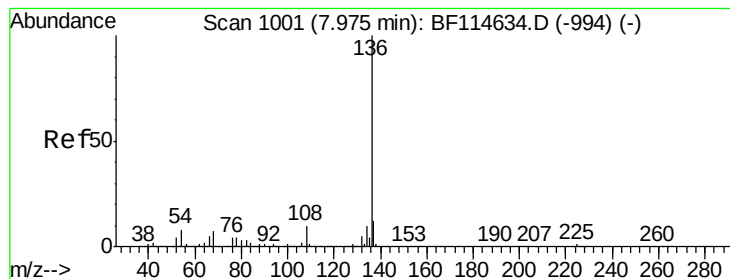
mohammad
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#20
3+4-Methylphenols
Concen: 42.954 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.6	108.6
77	112.0	100.5	140.5
79	27.2	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: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:136 Resp: 1177785

Ion Ratio Lower Upper

136 100

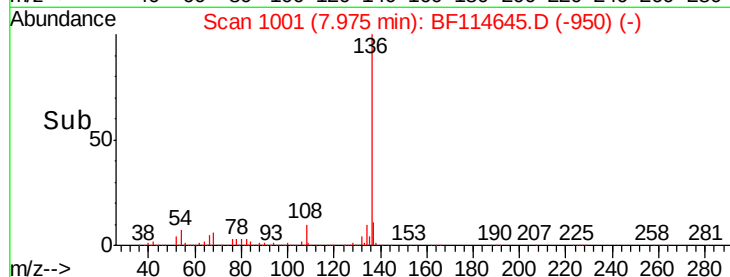
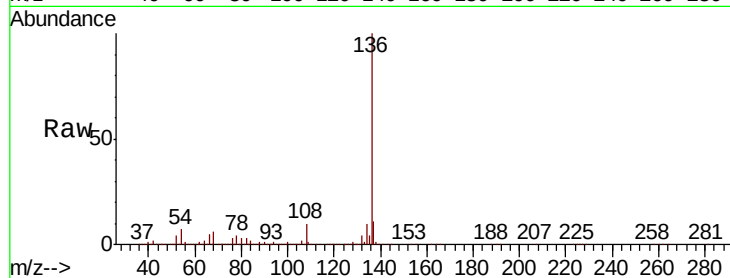
137 11.4 9.3 13.9

54 7.4 6.3 9.5

68 6.3 5.4 8.0

Manual Integrations
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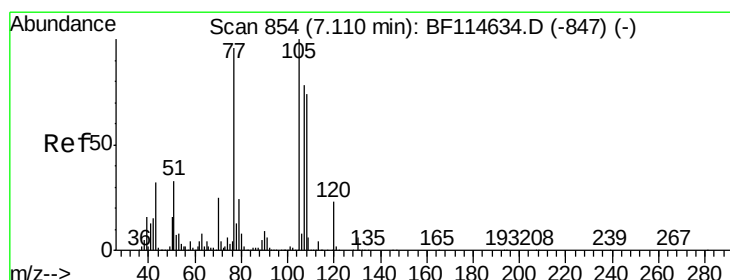
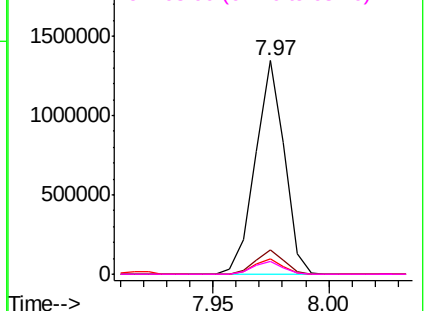
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 46.336 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:105 Resp: 1162799

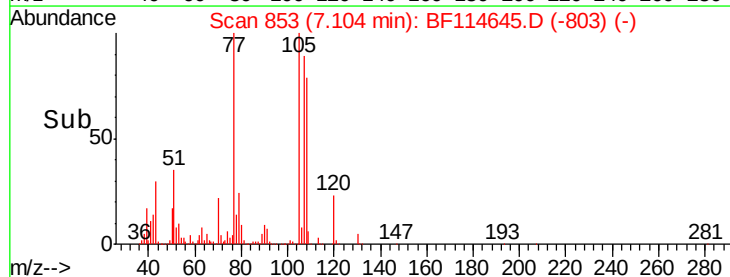
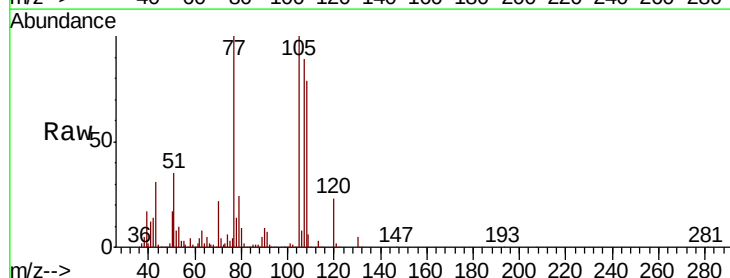
Ion Ratio Lower Upper

105 100

71 3.7 3.6 5.4

51 34.6 26.0 39.0

120 23.0 18.8 28.2



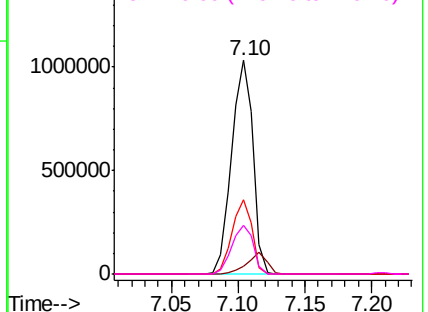
Abundance

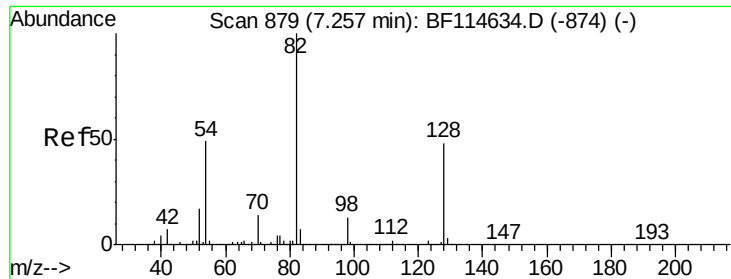
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





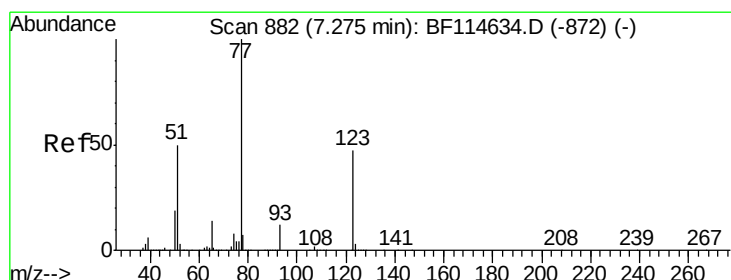
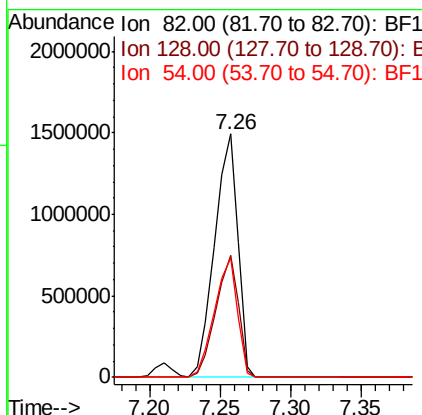
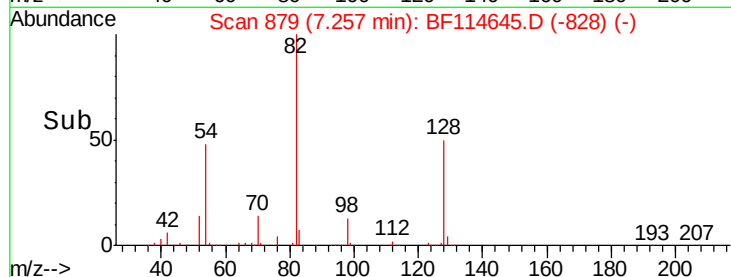
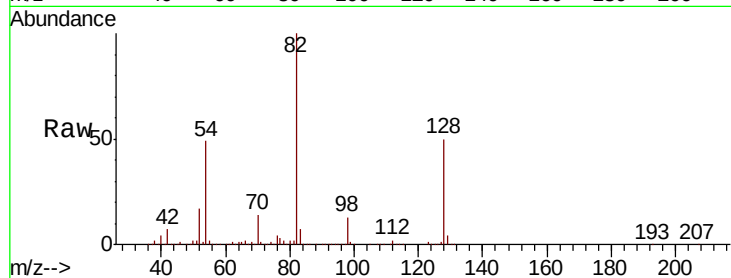
#23
 Nitrobenzene-d5
 Concen: 90.181 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.1	38.5	57.7
54	49.0	39.1	58.7

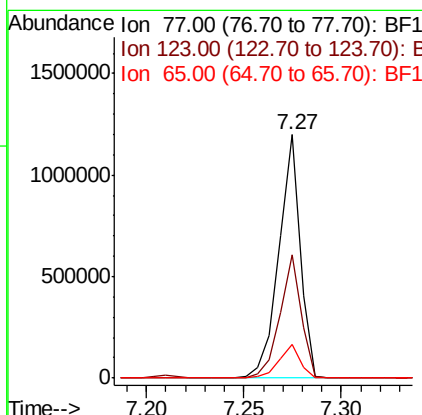
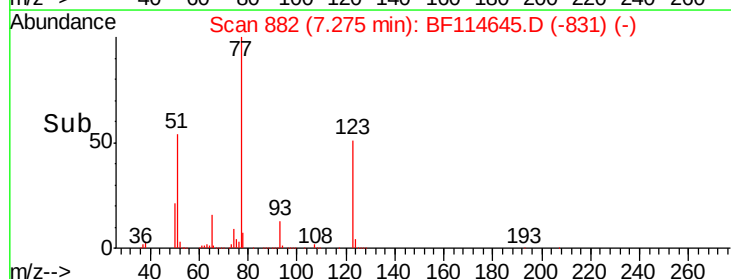
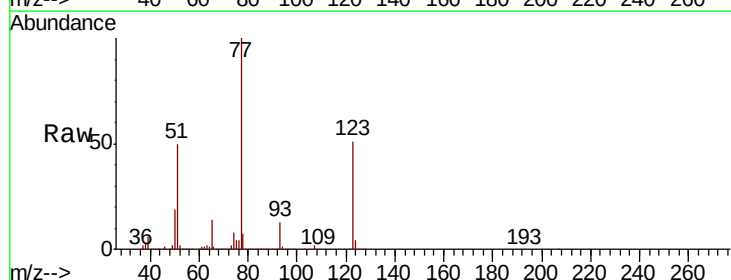
Manual Integrations
 APPROVED

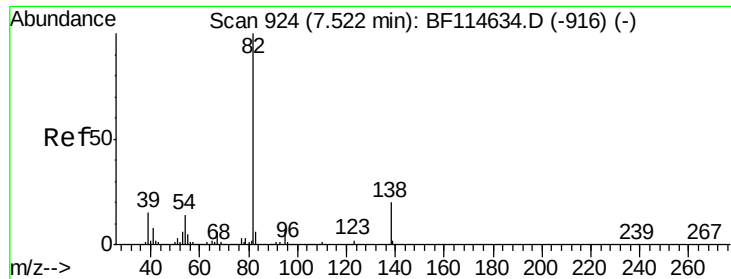
mohammad
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#24
 Nitrobenzene
 Concen: 45.530 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.7	38.5	57.7
65	13.9	11.2	16.8





#25

Isophorone

Concen: 45.807 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion: 82 Resp: 1735446

Ion Ratio Lower Upper

82 100

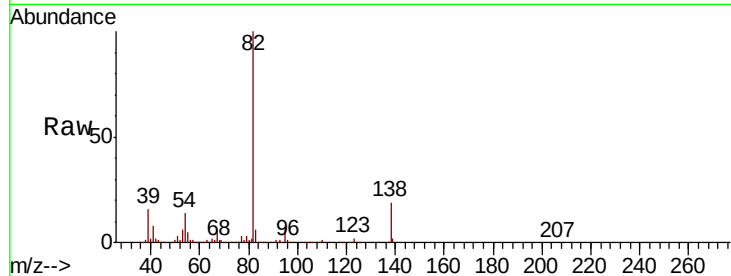
95 6.9 5.6 8.4

138 19.0 15.9 23.9

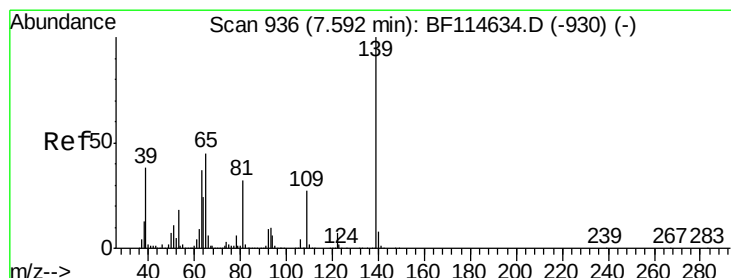
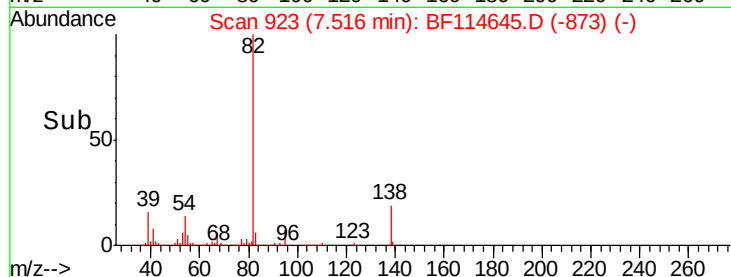
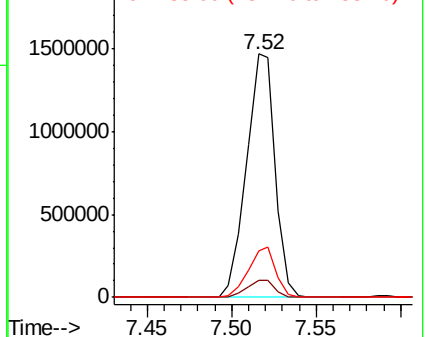
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.990 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

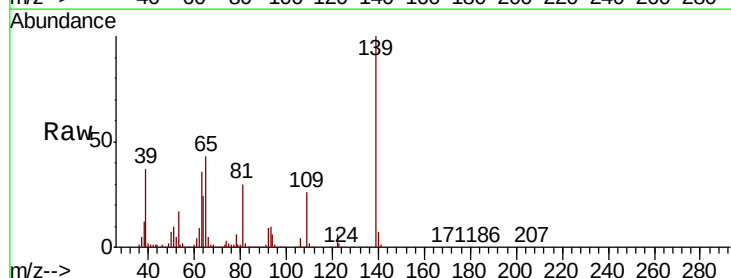
Tgt Ion: 139 Resp: 468449

Ion Ratio Lower Upper

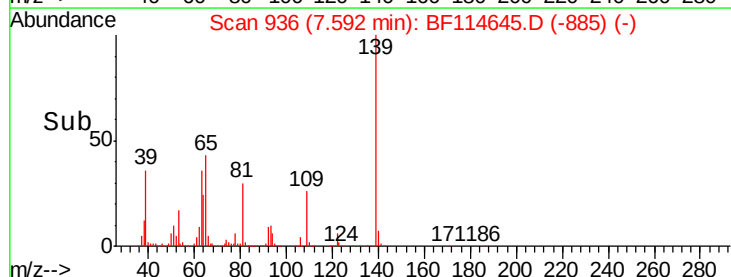
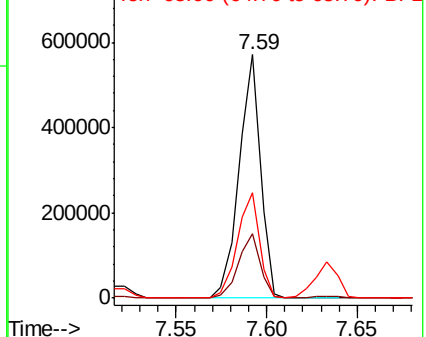
139 100

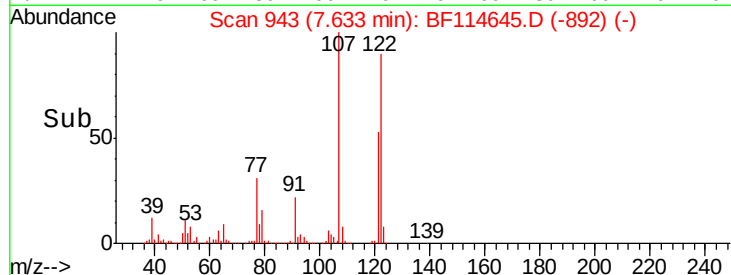
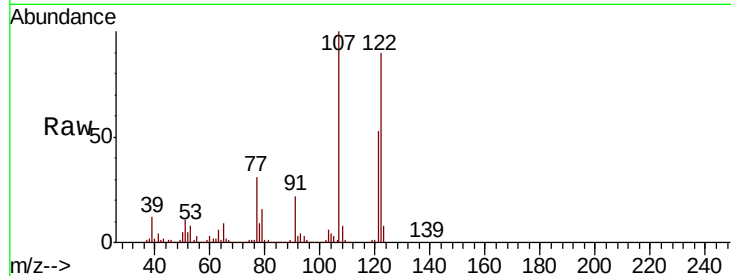
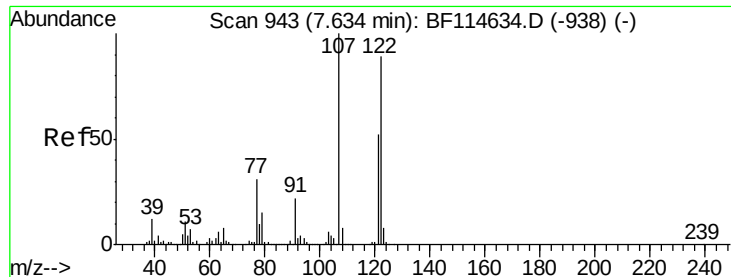
109 26.4 21.7 32.5

65 43.2 36.3 54.5



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





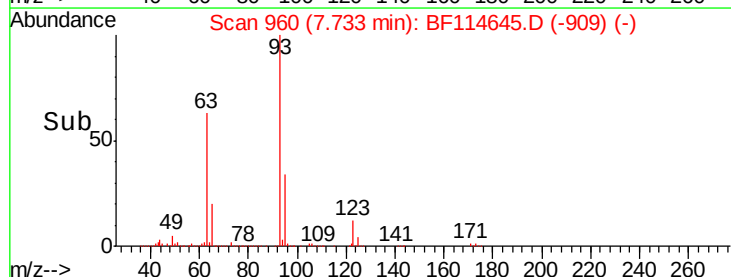
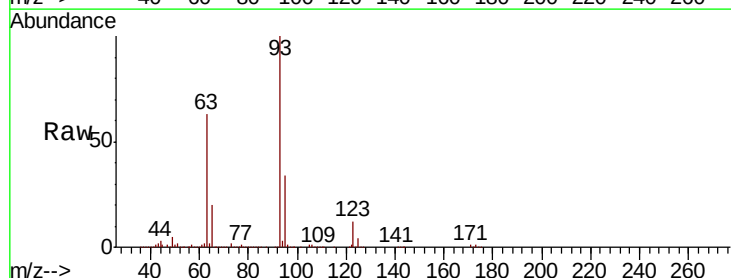
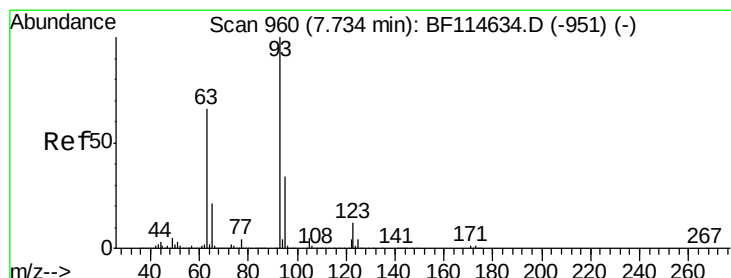
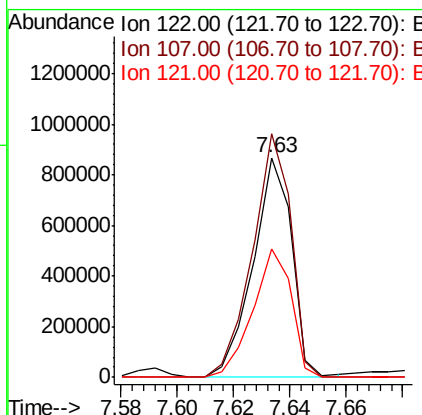
#27
2,4-Dimethylphenol
Concen: 51.032 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tot Ion	Ratio	Resp	Lower	Upper
122	100	828475		
107	110.9	89.3	133.9	
121	58.5	46.8	70.2	

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

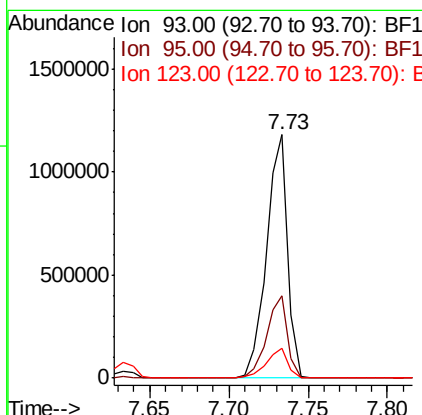
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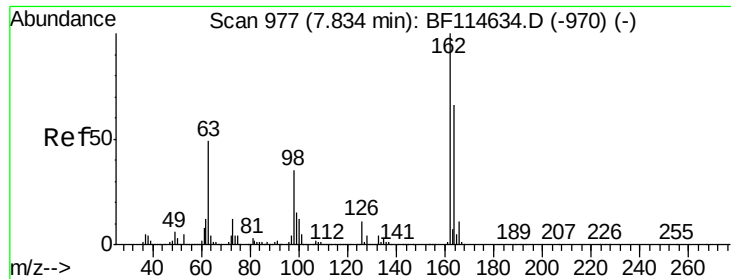
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#28
bis(2-Chloroethoxy)methane
Concen: 45.468 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1096553		
95	33.8	27.0	40.4	
123	12.3	10.2	15.2	





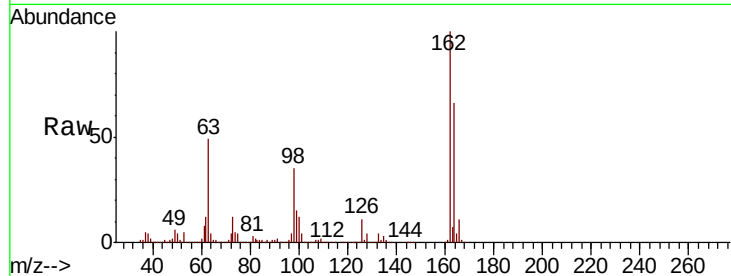
#29
2,4-Dichlorophenol
Concen: 47.048 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Resp	Lower	Upper
162	100	777433		
164	66.1	45.8	85.8	
98	34.8	14.9	54.9	

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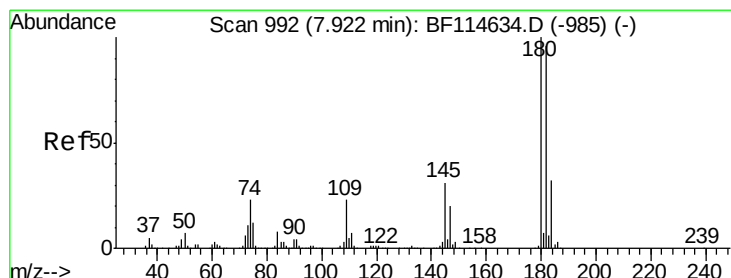
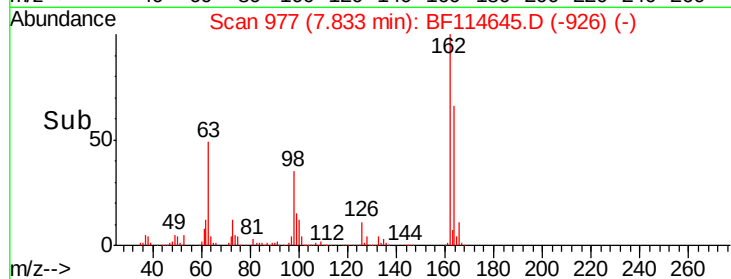
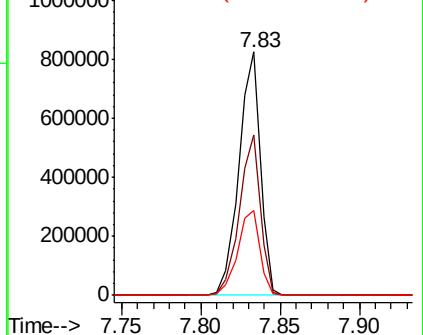


Abundance

Ion 162.00 (161.70 to 162.70): E

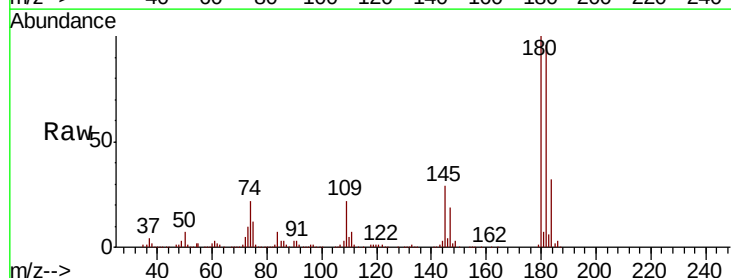
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 44.497 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	837702		
182	96.3	76.9	115.3	
145	29.2	24.5	36.7	

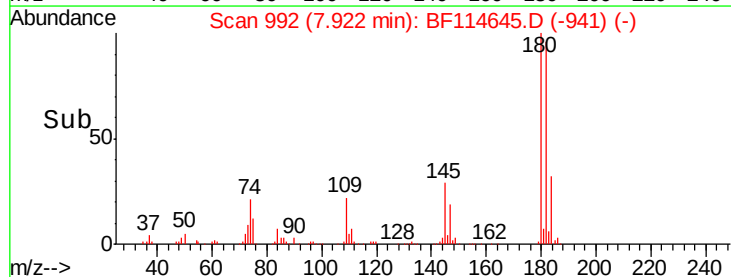
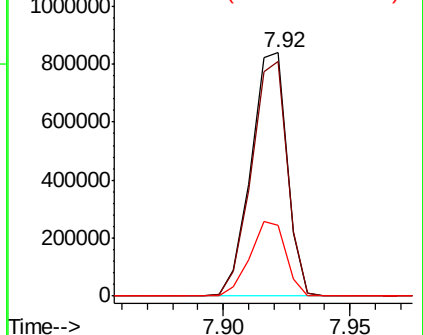


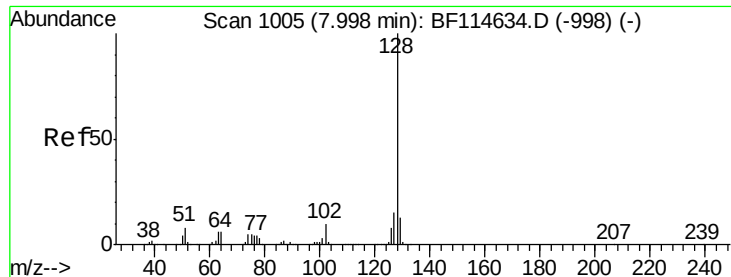
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





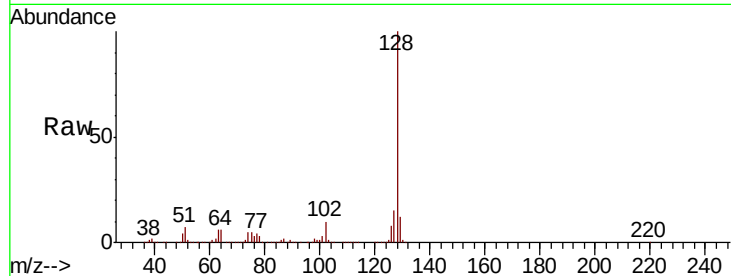
#31
Naphthalene
Concen: 45.192 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	10.2	15.2
127	14.6	11.9	17.9

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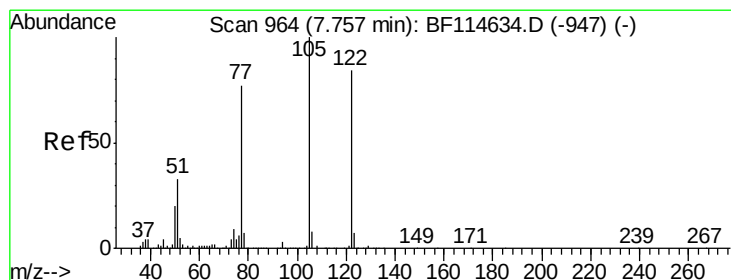
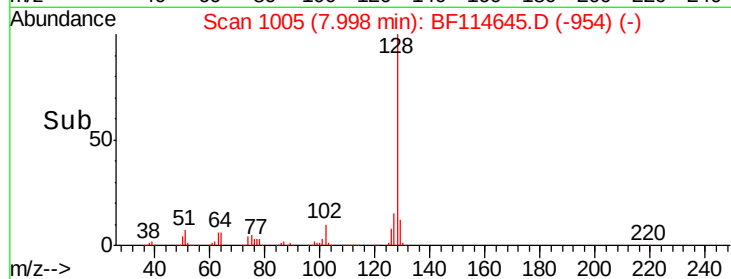
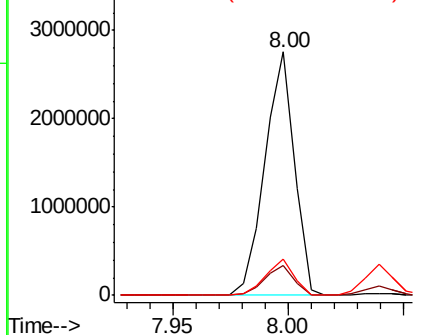


Abundance

Ion 128.00 (127.70 to 128.70): E

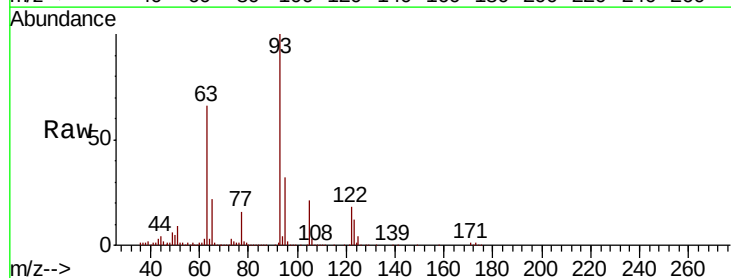
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 15.983 ng
RT: 7.72 min Scan# 958
Delta R.T. -0.04 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.6	98.3	138.3
77	88.3	70.7	110.7

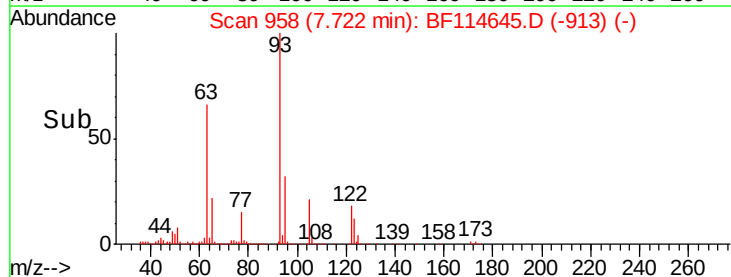
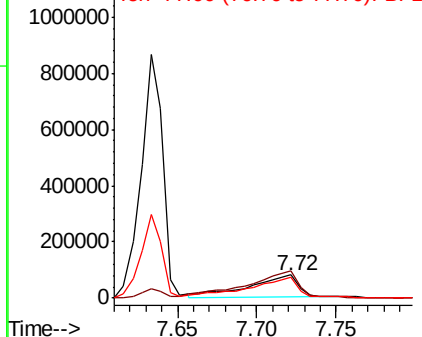


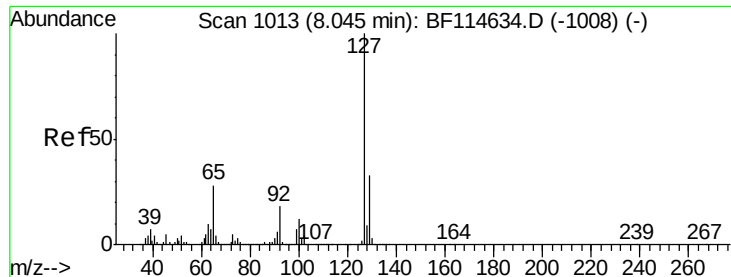
Abundance

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





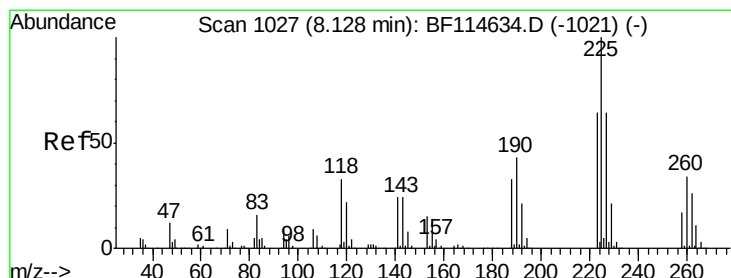
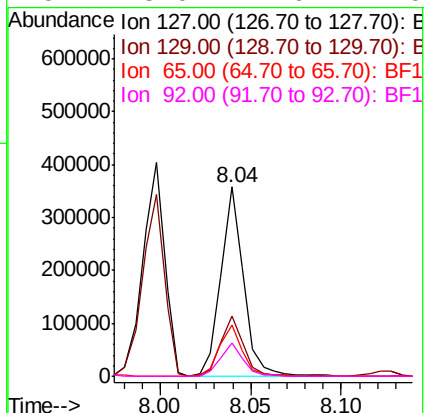
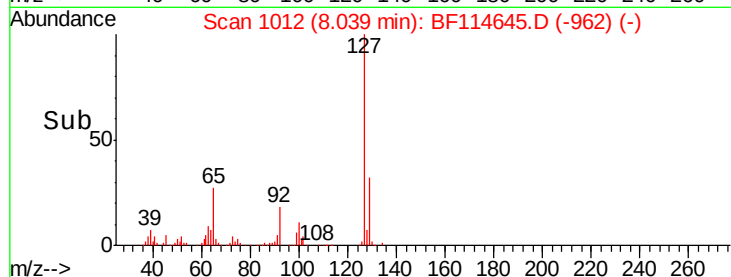
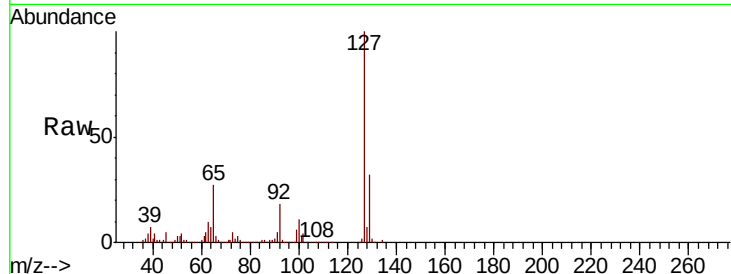
#33
4-Chloroaniline
Concen: 12.007 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
310335	127	100			
	129	31.7	26.7	40.1	
	65	27.4	22.5	33.7	
	92	18.0	14.6	22.0	

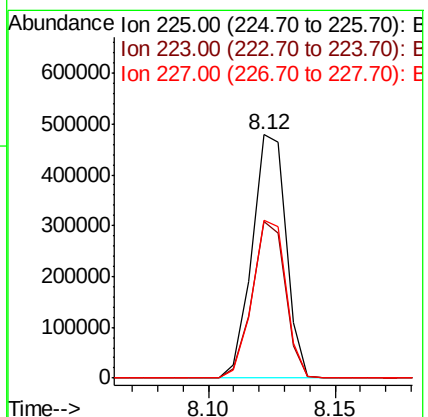
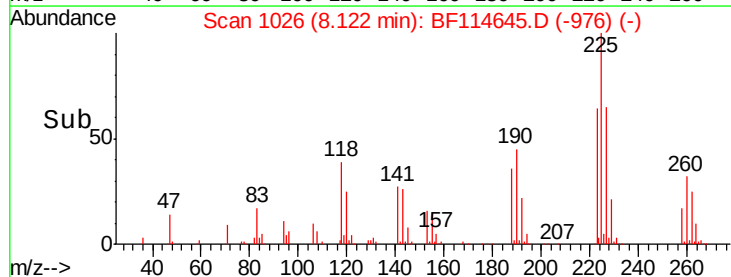
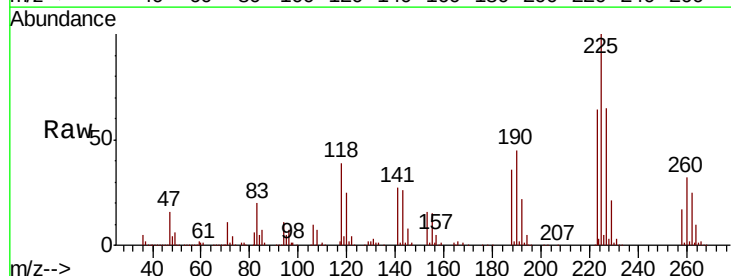
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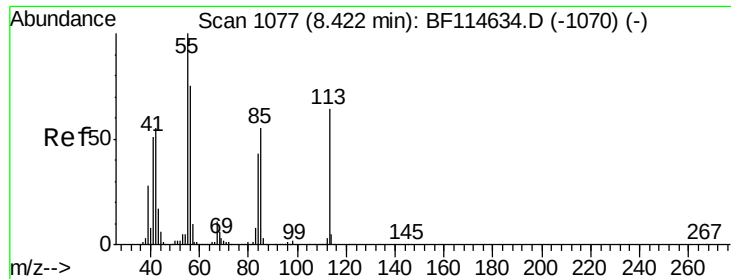
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#34
Hexachlorobutadiene
Concen: 42.993 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
449627	225	100			
	223	64.1	50.9	76.3	
	227	65.0	51.3	76.9	





#35

Caprolactam

Concen: 48.017 ng/mL

RT: 8.41 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

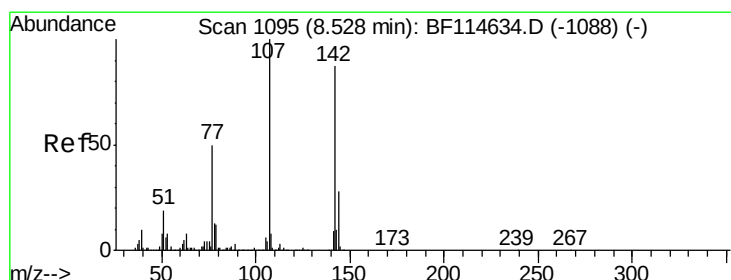
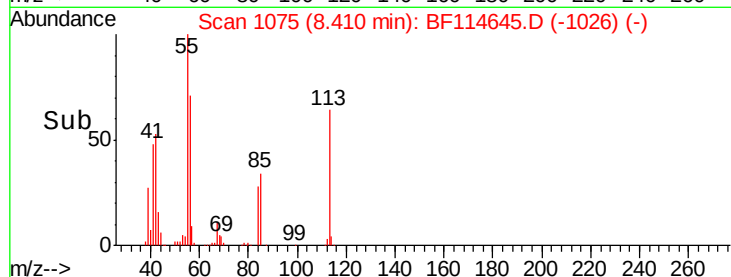
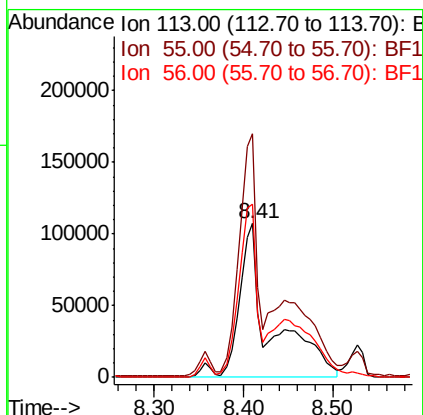
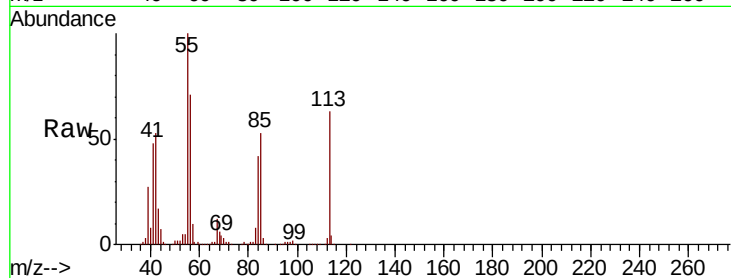
ClientSampleId :

B-4W(3-4)MS

Tot Ion:	113	Resp:	267765
Ion Ratio	Lower	Upper	
113	100		
55	158.2	136.4	176.4
56	112.3	97.0	137.0

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#36

4-Chloro-3-methylphenol

Concen: 49.322 ng/mL

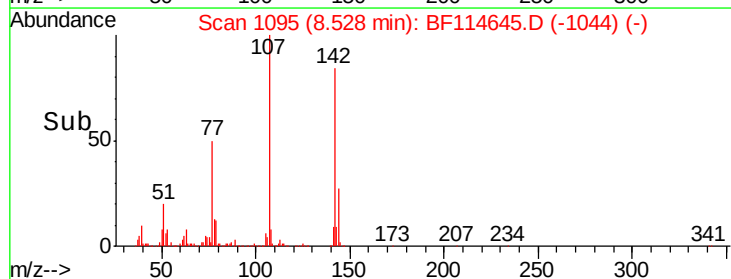
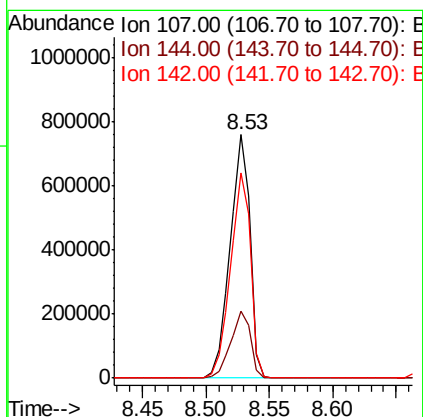
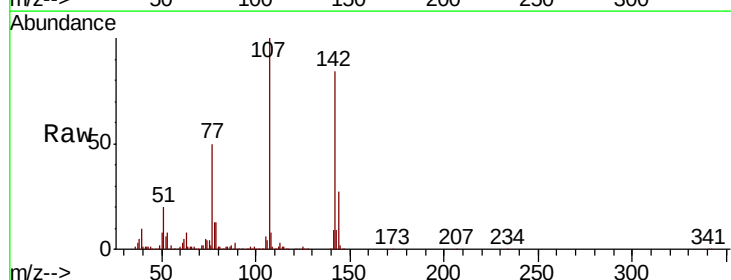
RT: 8.53 min Scan# 1095

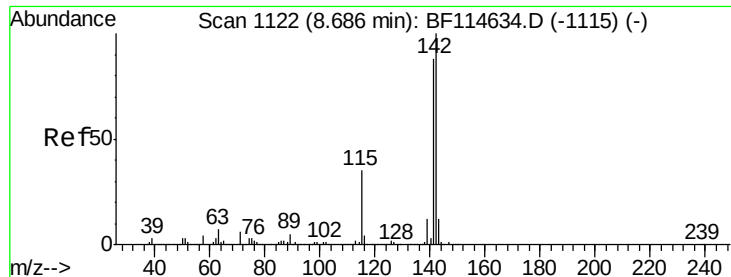
Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:	107	Resp:	817330
Ion Ratio	Lower	Upper	
107	100		
144	27.3	22.5	33.7
142	84.1	69.8	104.6





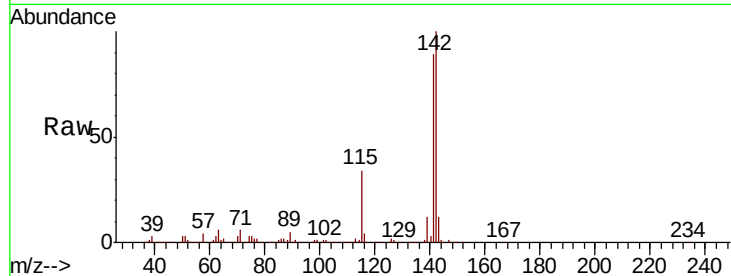
#37
2-Methylnaphthalene
Concen: 48.574 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

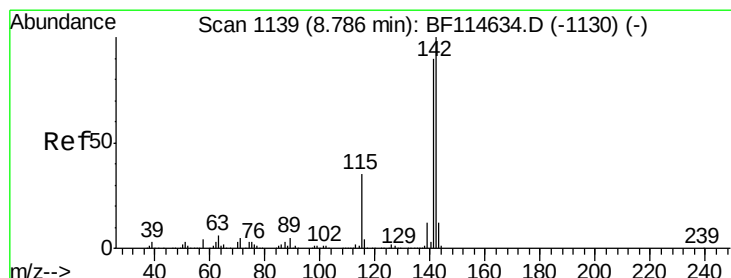
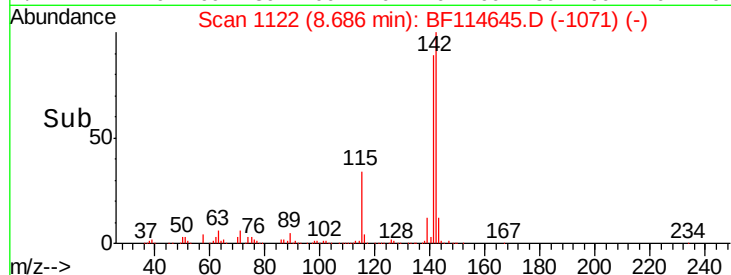
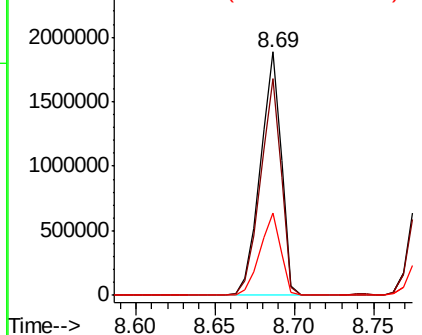
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
115	34.1	28.0	42.0

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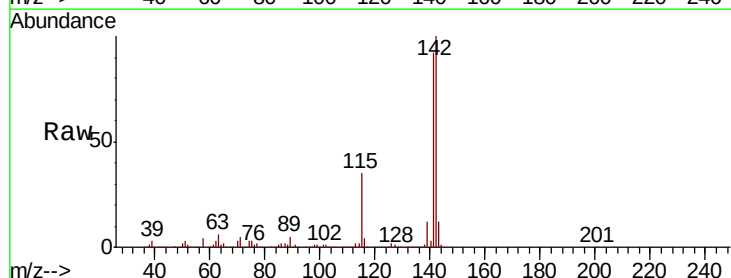


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

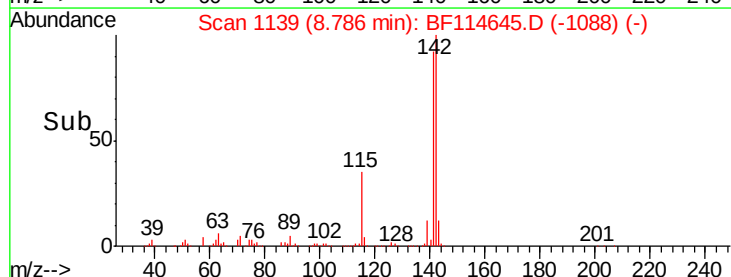
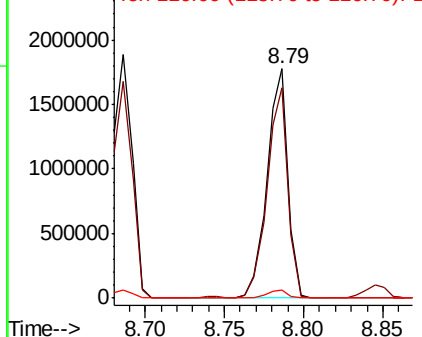


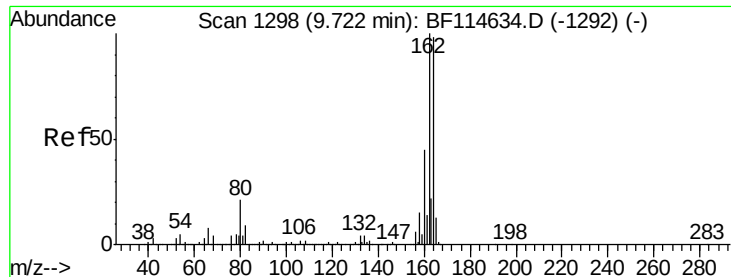
#38
1-Methylnaphthalene
Concen: 47.873 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	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





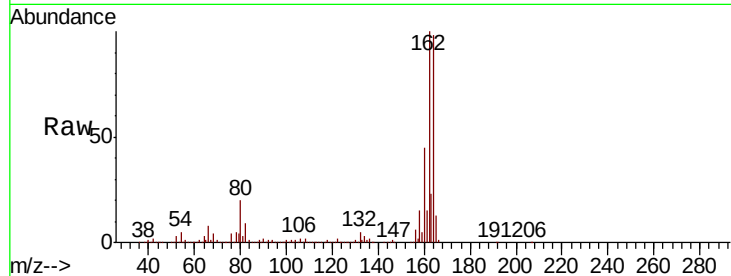
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100	595137		
162	101.9	81.4	122.2	
160	45.9	36.6	54.8	

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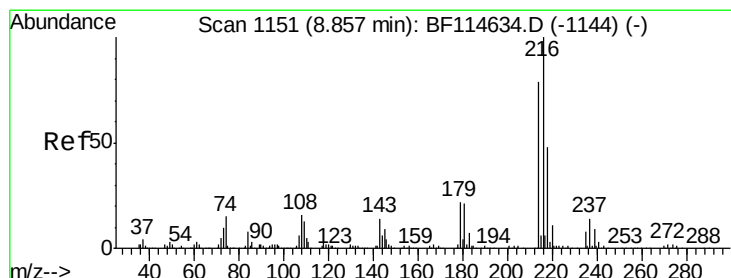
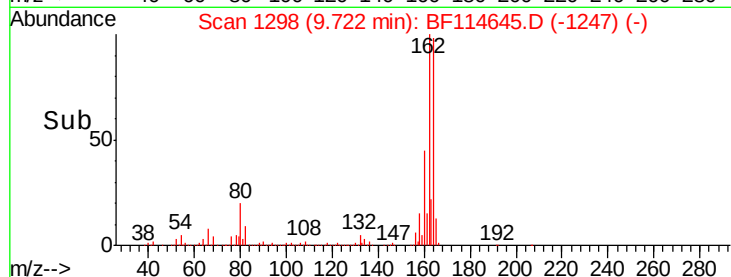
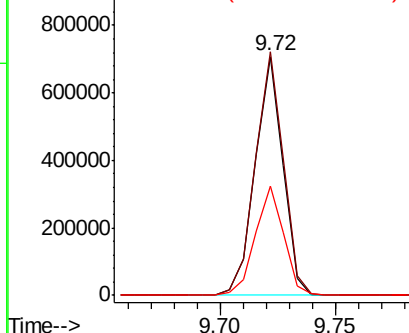


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.251 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	717176		
214	78.6	63.2	94.8	
179	22.4	17.9	26.9	
108	21.2	15.8	23.8	

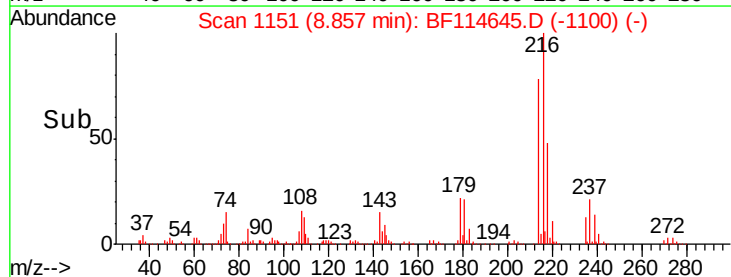
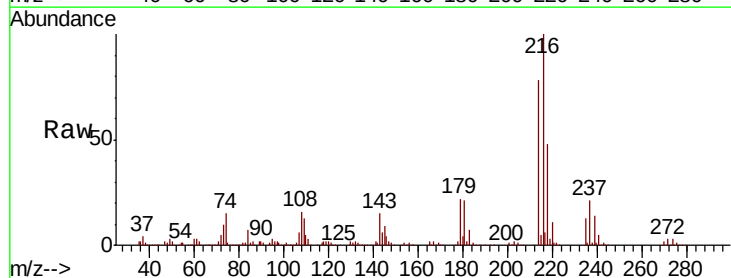
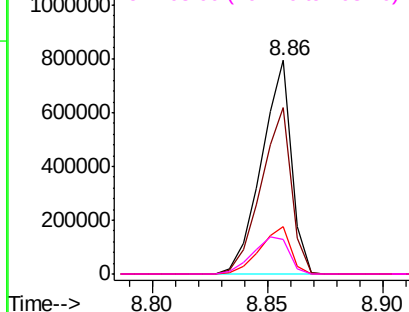
Abundance

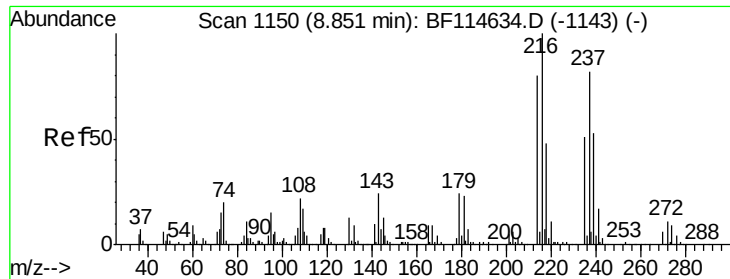
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





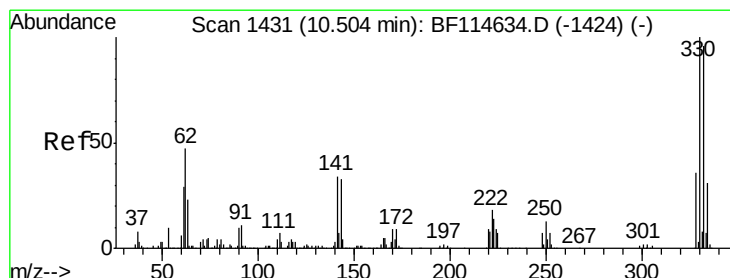
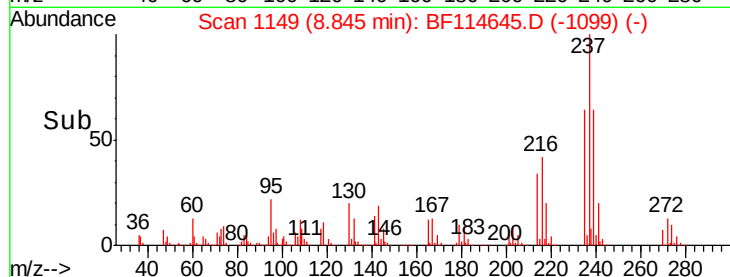
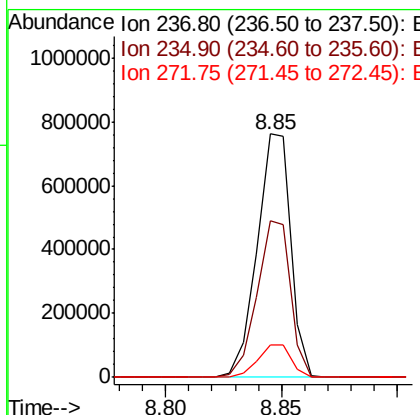
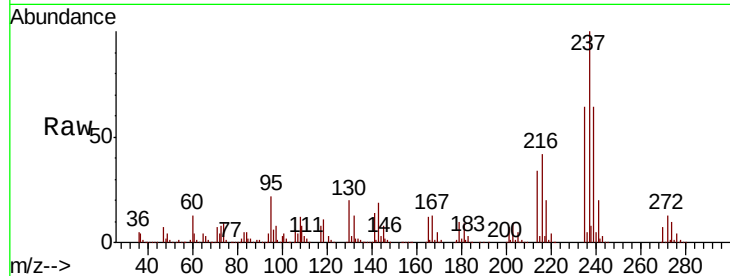
#41
 Hexachlorocyclopentadiene
 Concen: 73.987 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

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

Tot Ion:	237	Resp:	774885
Ion Ratio	Lower	Upper	
237	100		
235	64.3	42.8	82.8
272	13.4	0.0	33.7

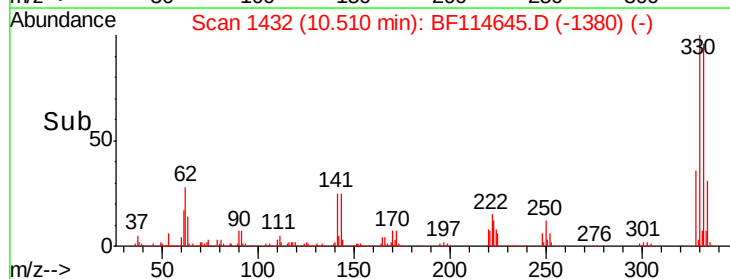
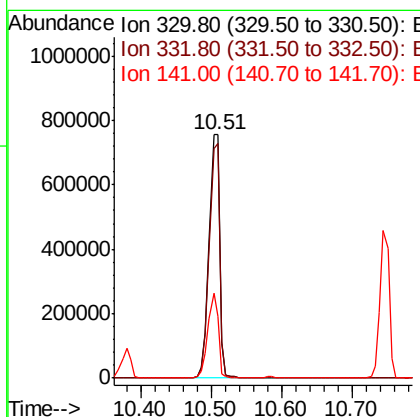
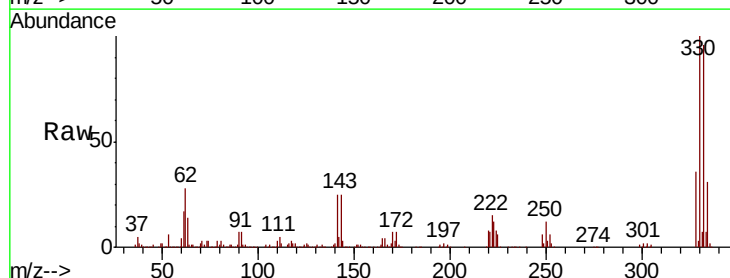
Manual Integrations
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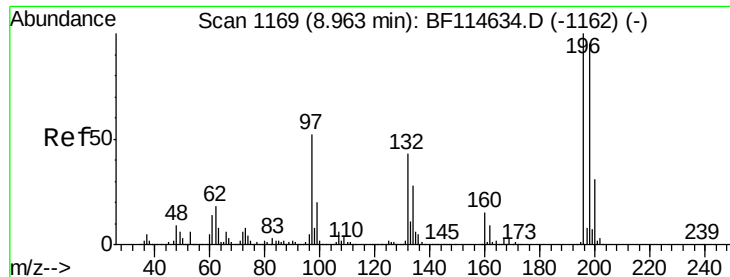
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#42
 2,4,6-Tribromophenol
 Concen: 140.923 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion:	330	Resp:	799136
Ion Ratio	Lower	Upper	
330	100		
332	95.0	75.8	113.8
141	33.8	27.8	41.8





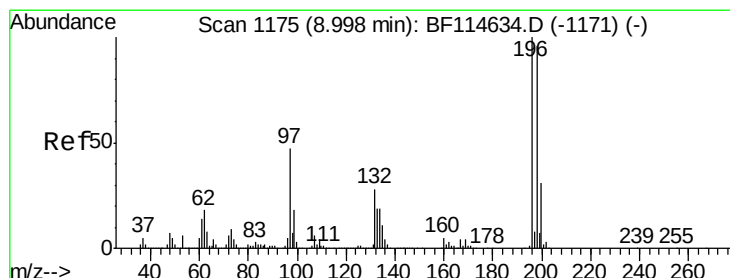
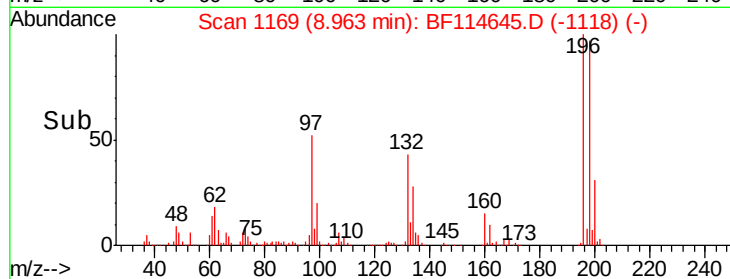
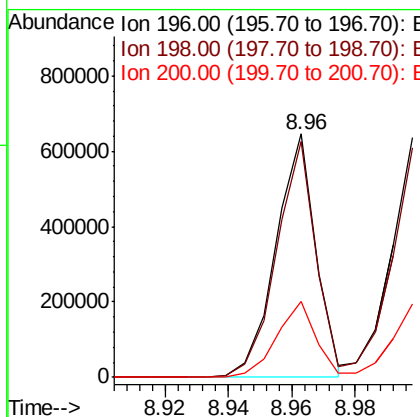
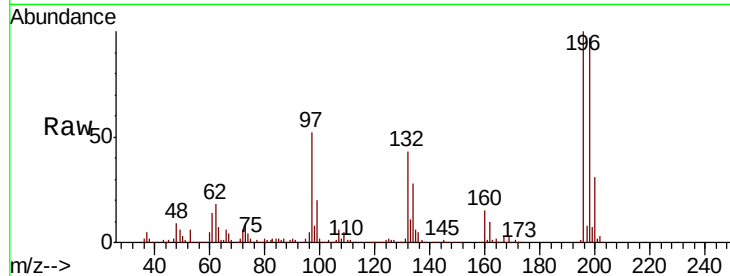
#43
 2,4,6-Trichlorophenol
 Concen: 45.509 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

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

Tot Ion:196	Resp:	567527
Ion Ratio	Lower	Upper
196	100	
198	96.9	76.1 114.1
200	31.0	24.7 37.1

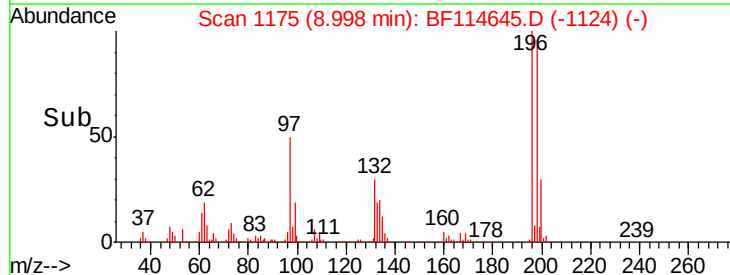
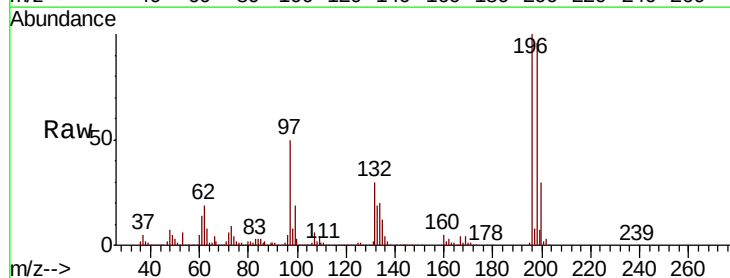
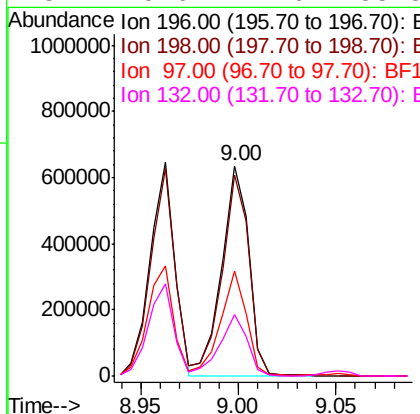
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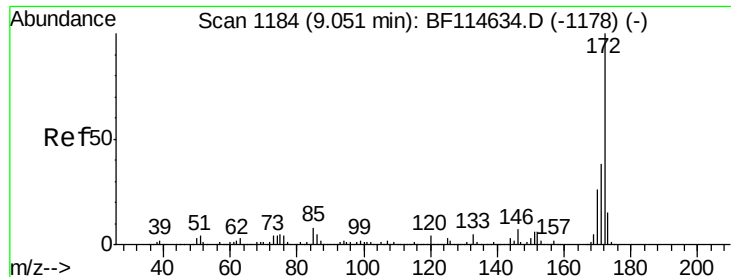
mohammad
 5/30/2019 12:47:55 PM



#44
 2,4,5-Trichlorophenol
 Concen: 49.149 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion:196	Resp:	611625
Ion Ratio	Lower	Upper
196	100	
198	95.6	76.8 115.2
97	49.7	37.8 56.8
132	29.6	22.6 33.8





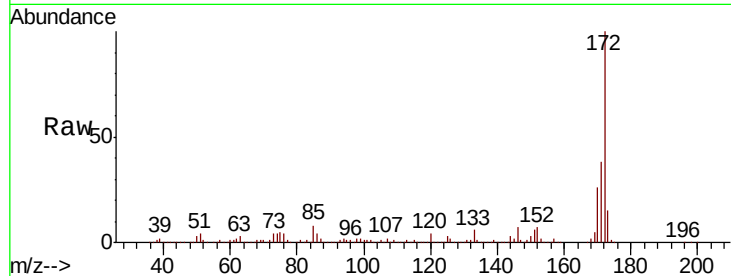
#45
2-Fluorobiphenyl
Concen: 94.975 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.6	45.8
170	26.2	20.7	31.1

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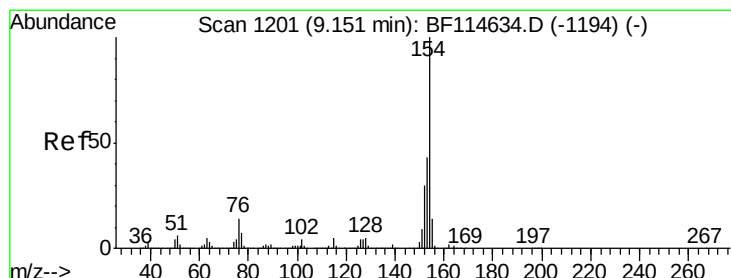
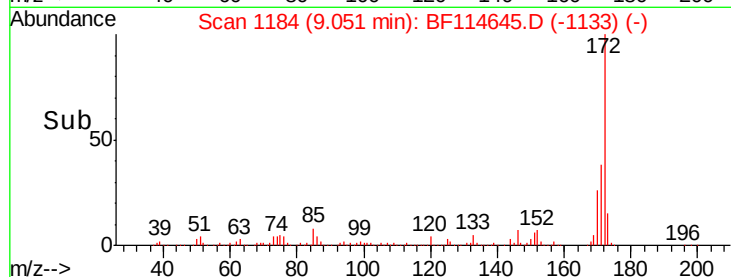
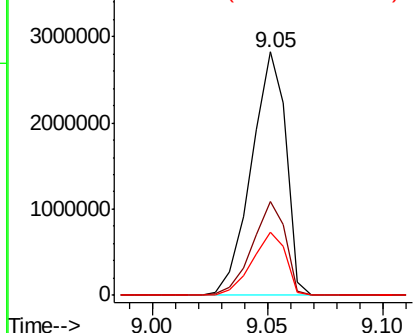


Abundance

Ion 172.00 (171.70 to 172.70): E

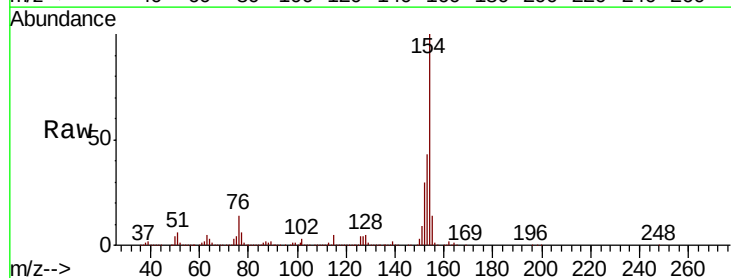
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 45.563 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.5	23.0	63.0
76	13.5	0.0	33.9

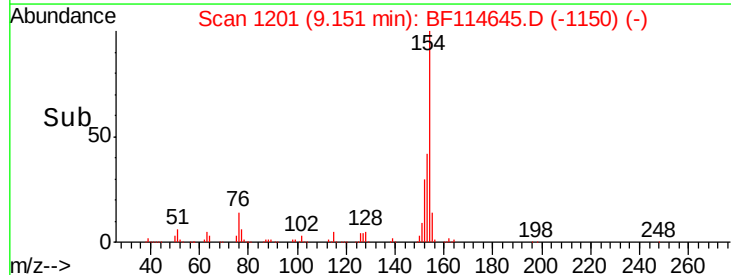
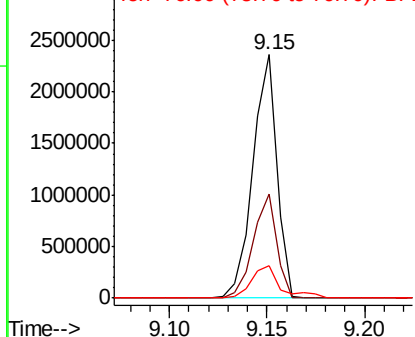


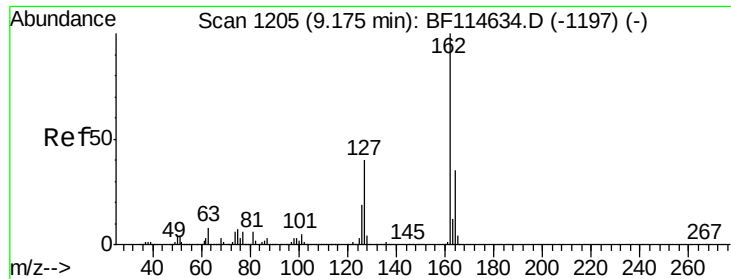
Abundance

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: 45.527 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:162 Resp: 1649830

Ion Ratio Lower Upper

162 100

127 41.4 32.2 48.2

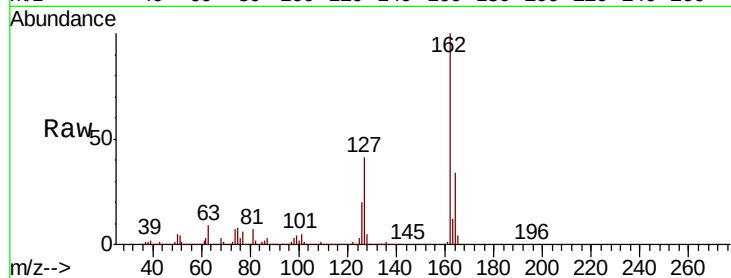
164 33.6 27.8 41.6

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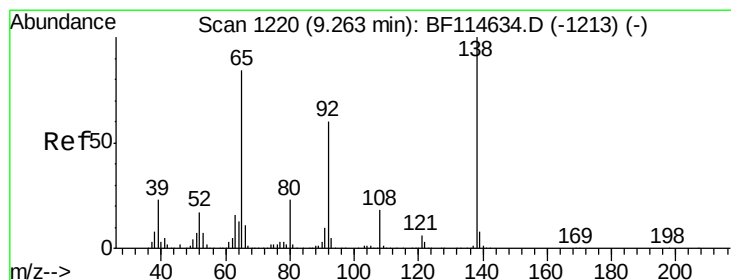
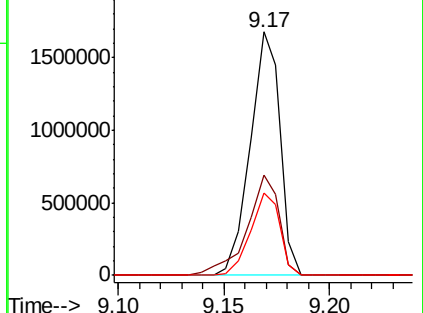
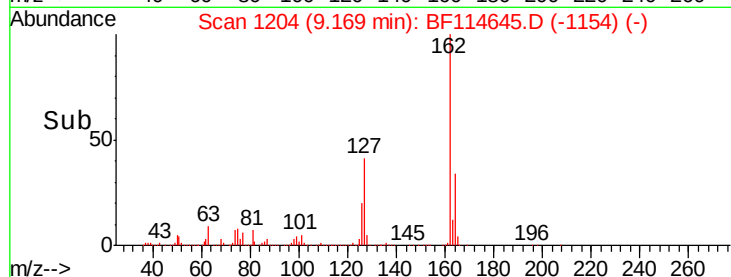
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 44.798 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

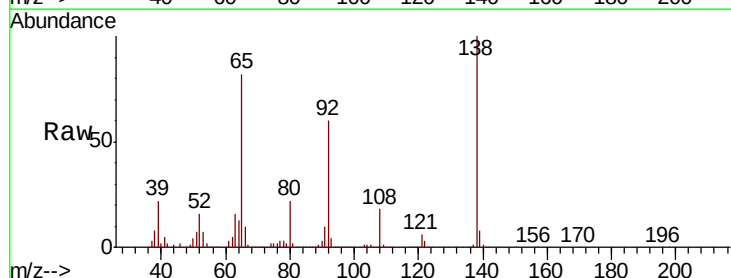
Tgt Ion: 65 Resp: 500974

Ion Ratio Lower Upper

65 100

92 73.1 57.1 85.7

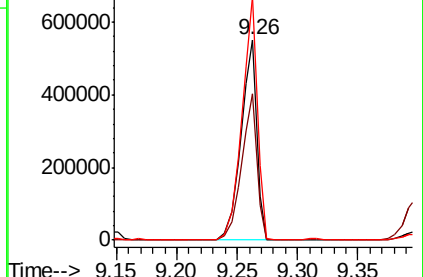
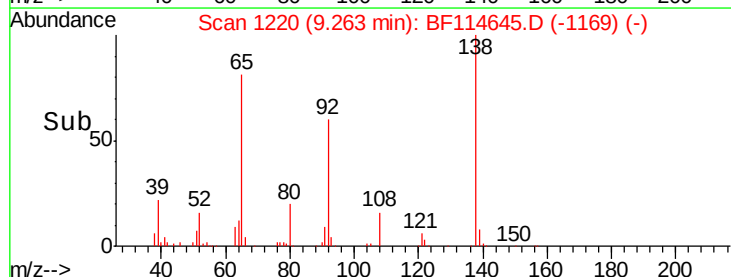
138 121.6 95.8 143.6

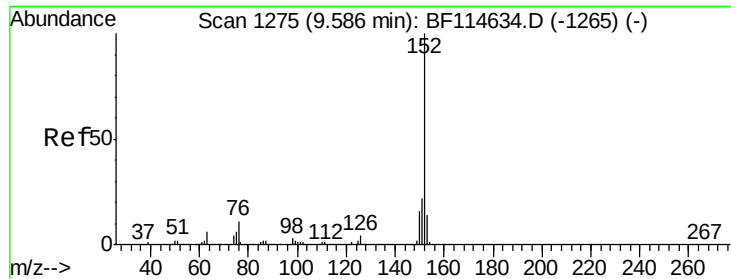


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.277 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

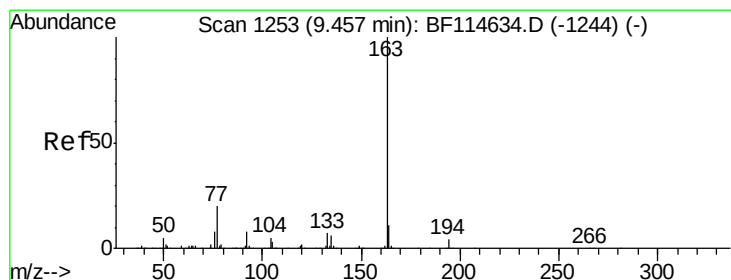
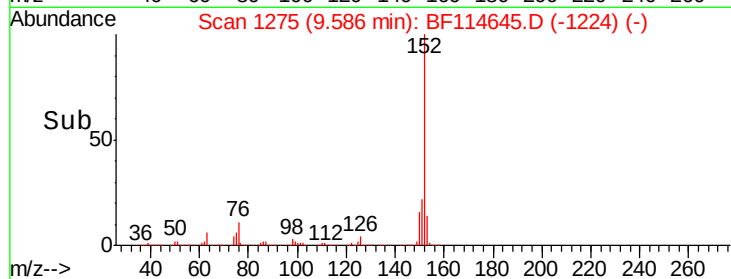
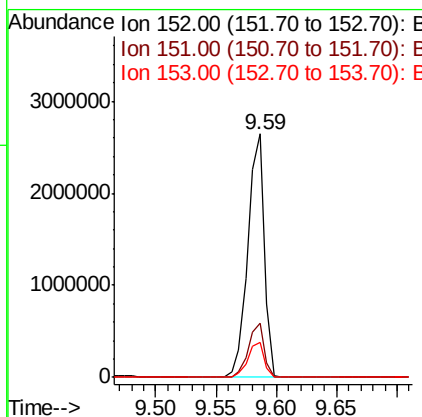
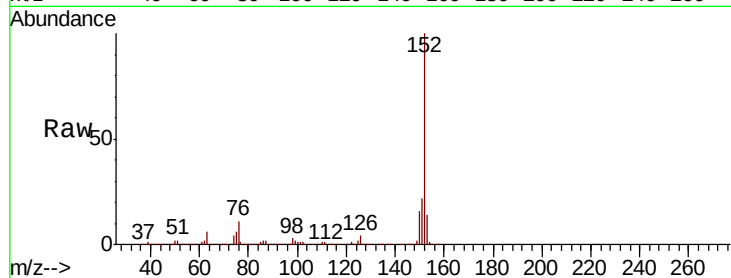
ClientSampleId :

B-4W(3-4)MS

Tot Ion:	152	Resp:	2534785
Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.5	26.3
153	14.4	11.6	17.4

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#50

Dimethylphthalate

Concen: 58.832 ng

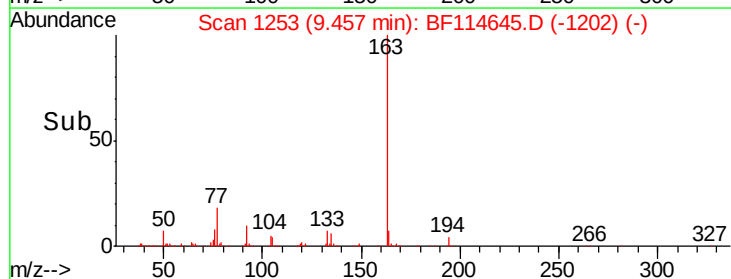
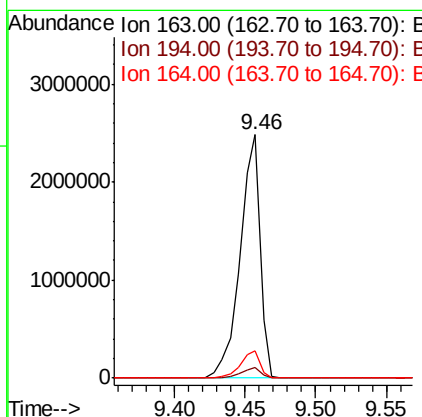
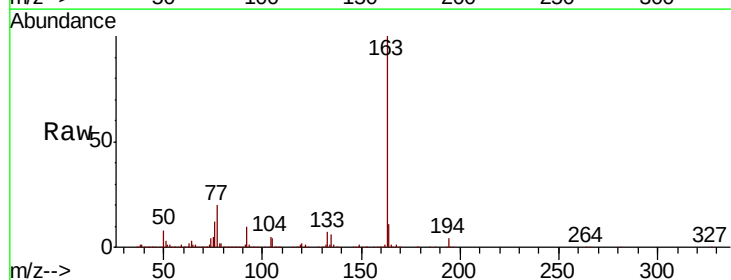
RT: 9.46 min Scan# 1253

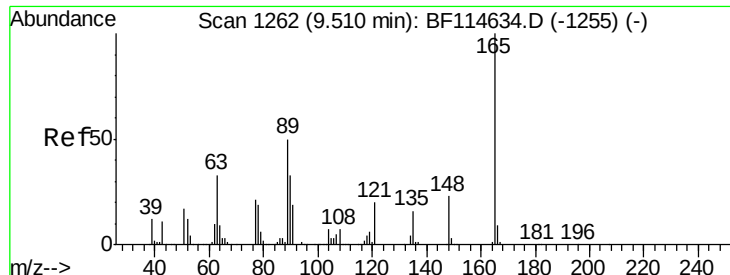
Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:	163	Resp:	2439747
Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	11.0	8.6	13.0





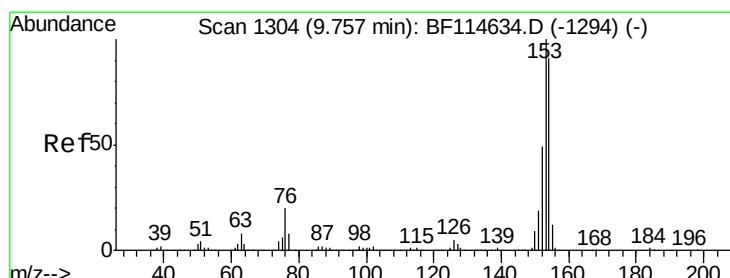
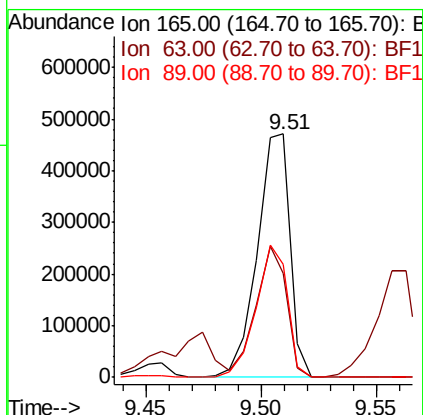
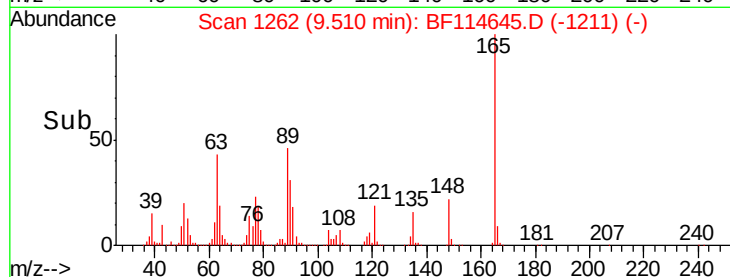
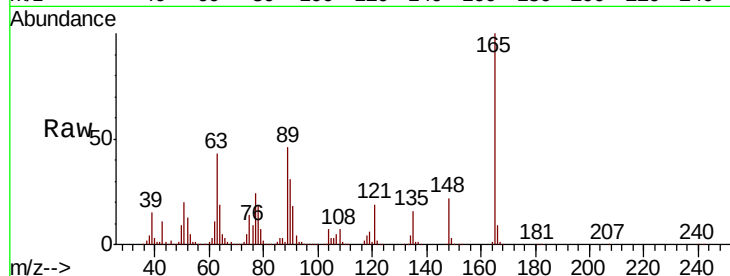
#51
2,6-Dinitrotoluene
Concen: 48.458 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	43.0	36.6	54.8
89	46.3	40.2	60.4

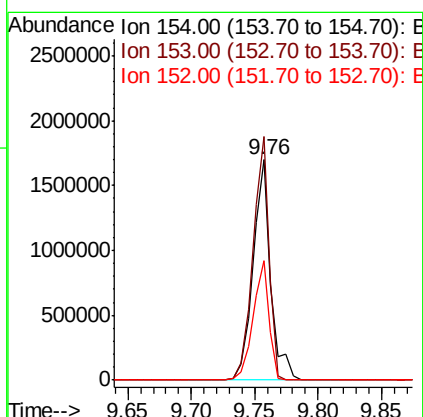
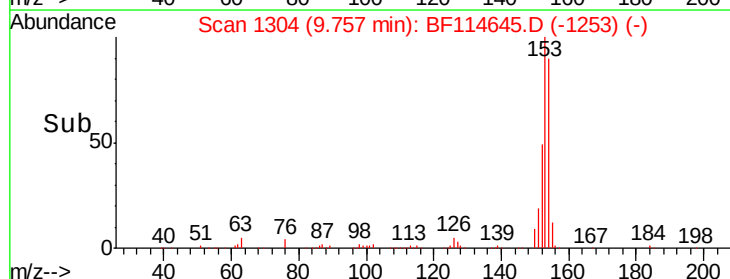
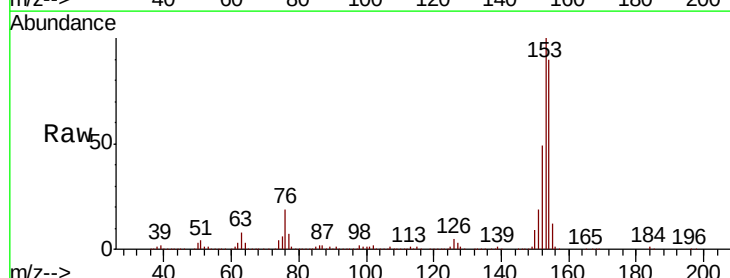
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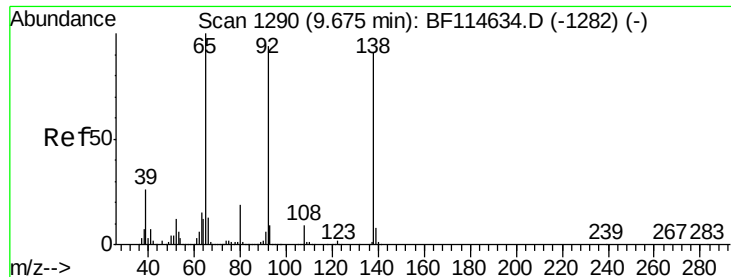
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#52
Acenaphthene
Concen: 48.172 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.4	132.6
152	54.3	43.4	65.0





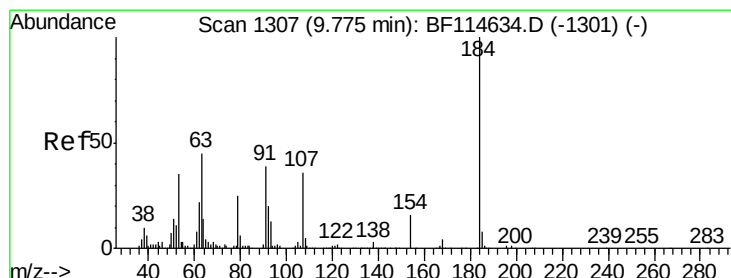
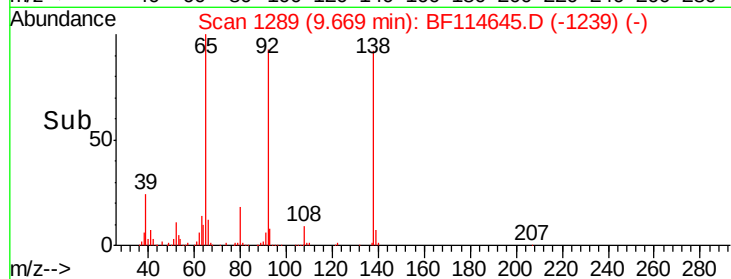
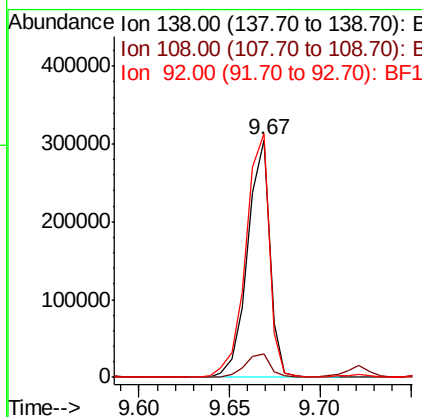
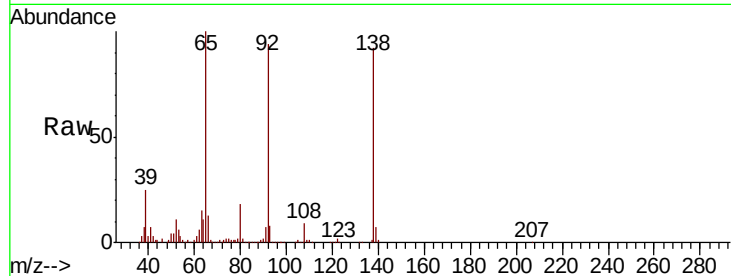
#53
3-Nitroaniline
Concen: 22.162 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.3	12.5
92	102.6	83.1	124.7

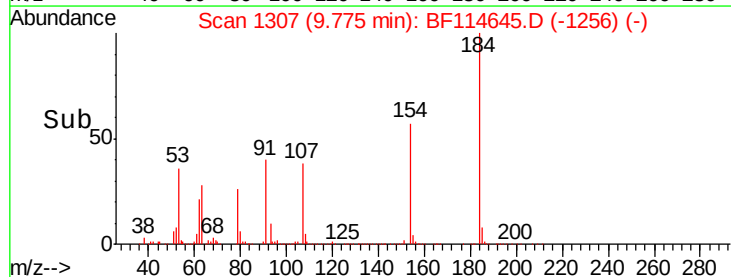
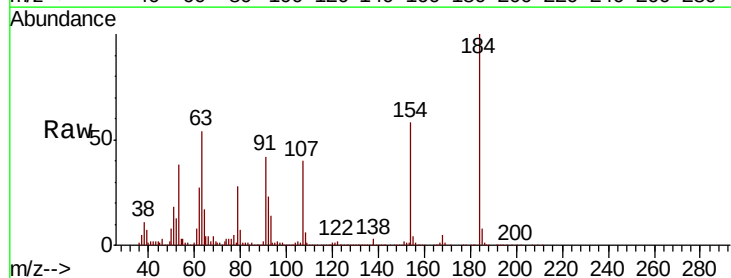
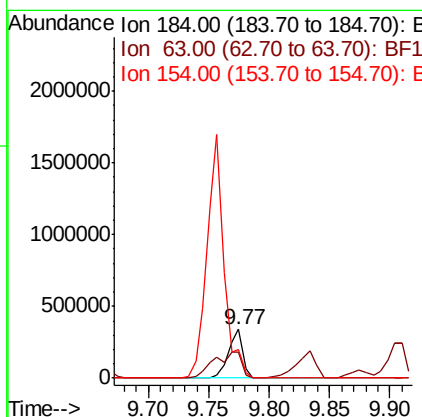
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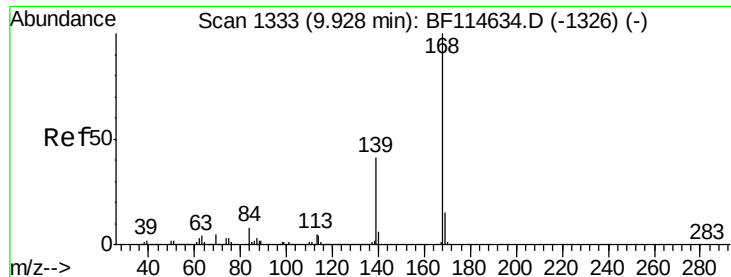
mohammad
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#54
2,4-Dinitrophenol
Concen: 73.631 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
184	100		
63	53.5	38.8	58.2
154	57.7	43.7	65.5





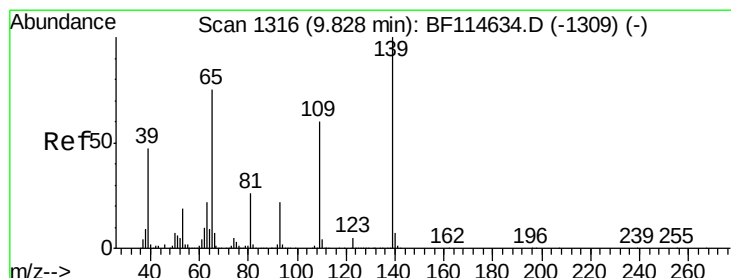
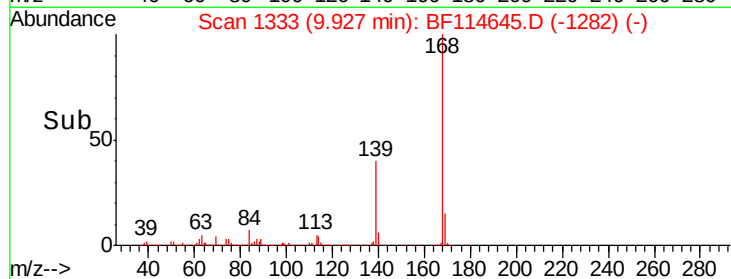
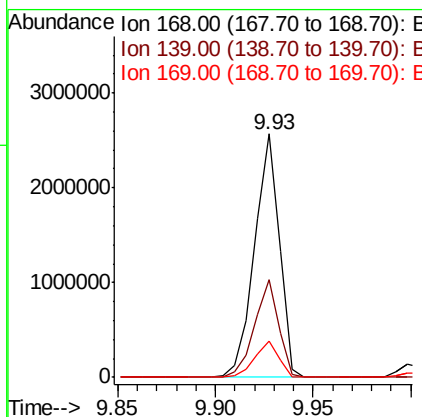
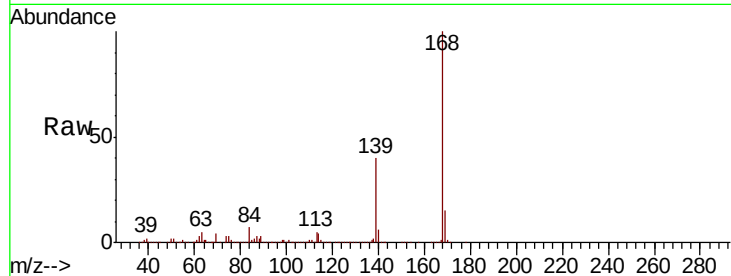
#55
Dibenzofuran
Concen: 46.320 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.6	48.8
169	14.7	11.8	17.8

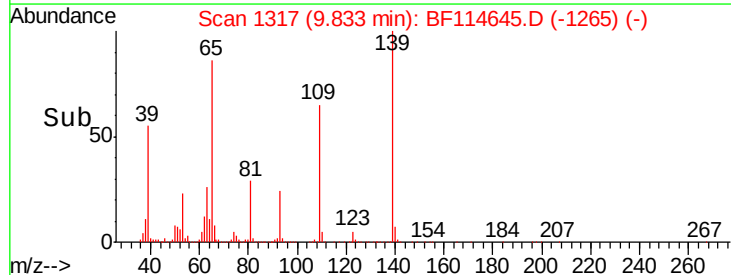
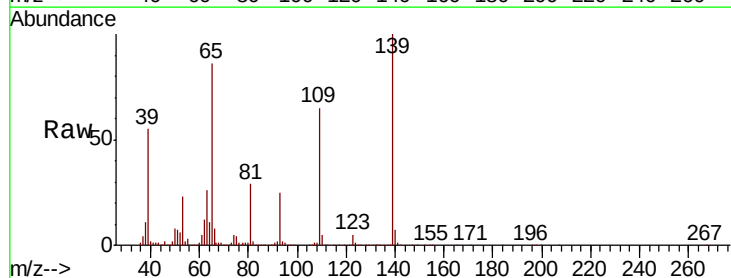
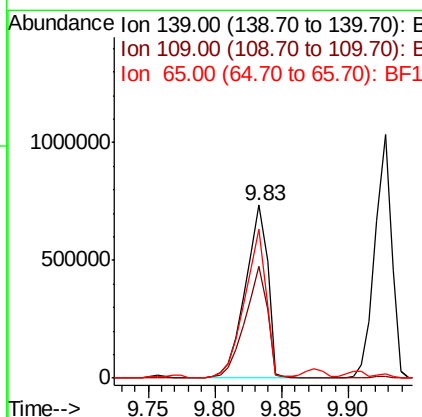
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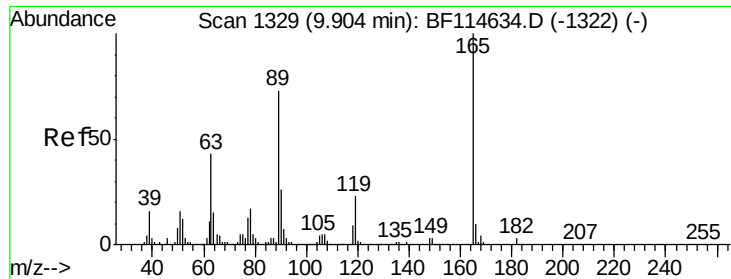
mohammad
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#56
4-Nitrophenol
Concen: 97.345 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.7	40.4	80.4
65	85.8	54.7	94.7





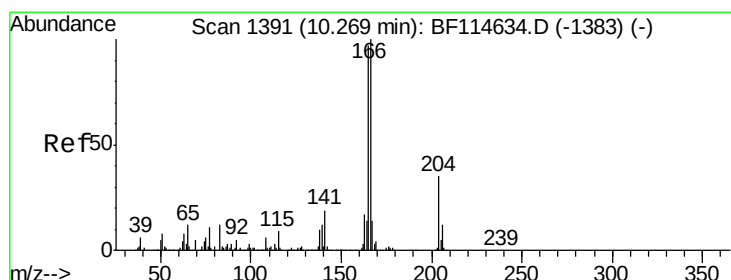
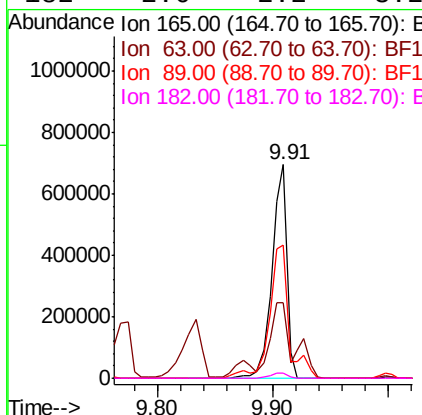
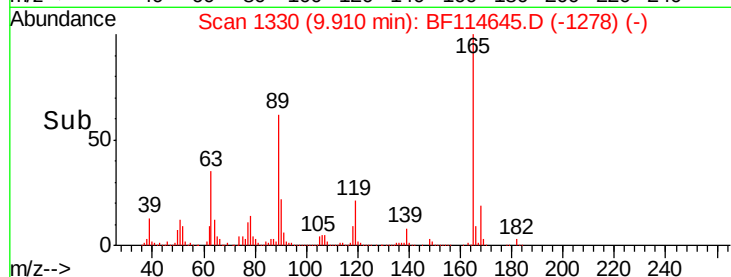
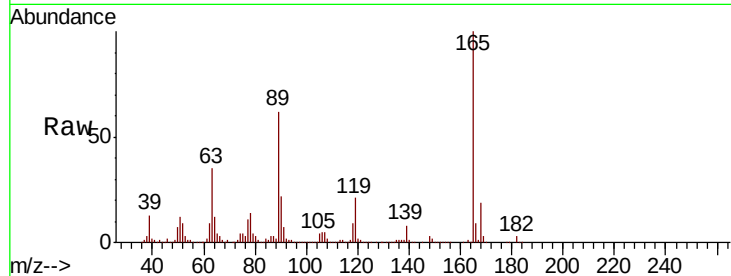
#57
2,4-Dinitrotoluene
Concen: 50.175 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		620516		
63	35.1	34.8	52.2		
89	62.5	58.5	87.7		
182	2.6	2.2	3.2		

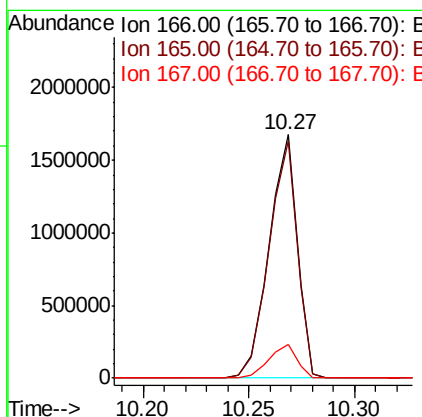
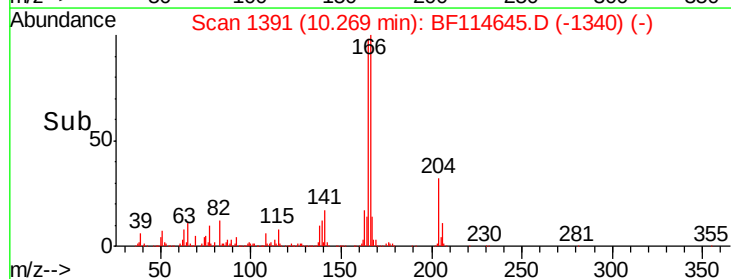
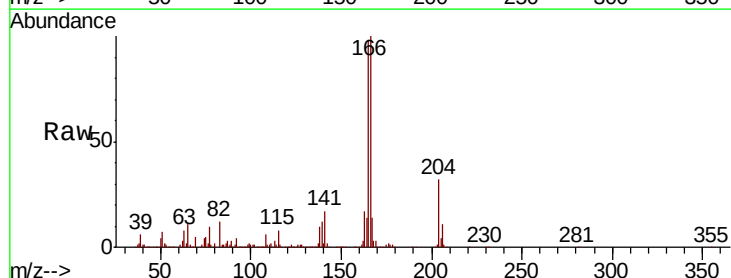
Manual Integrations
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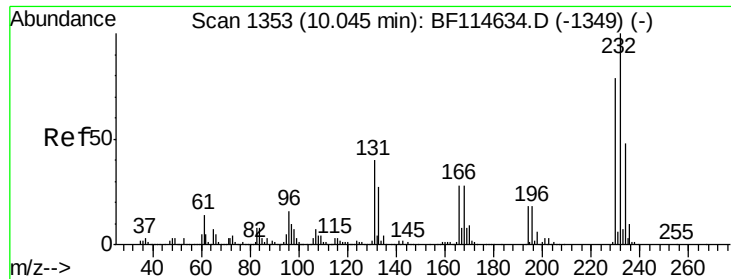
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#58
Fluorene
Concen: 49.546 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1559622		
165	97.6	77.6	116.4		
167	14.1	11.2	16.8		





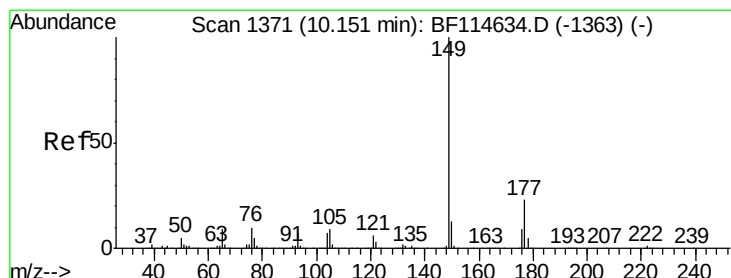
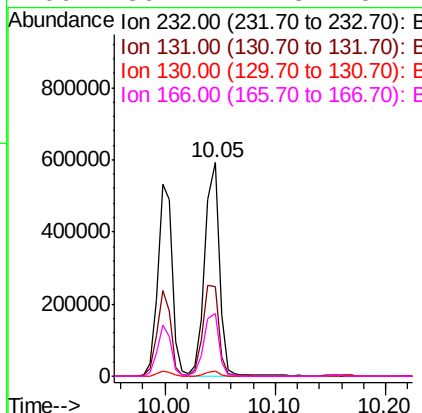
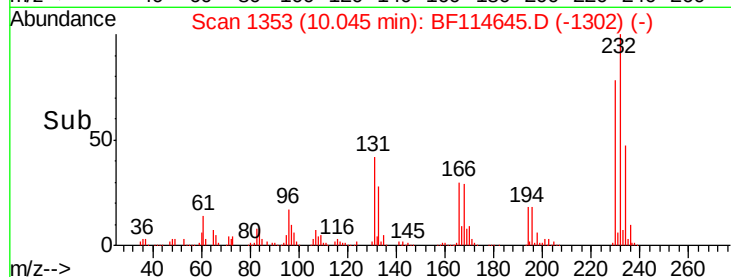
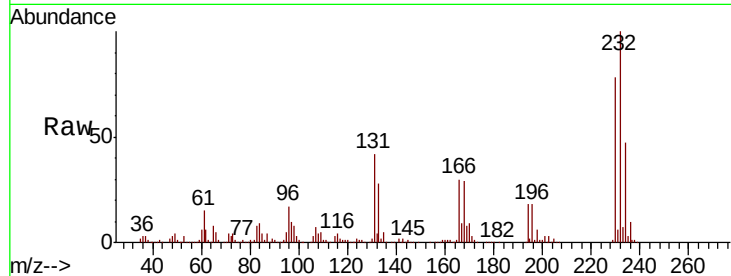
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.288 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.2	55.8
130	2.4	1.8	2.8
166	30.4	24.8	37.2

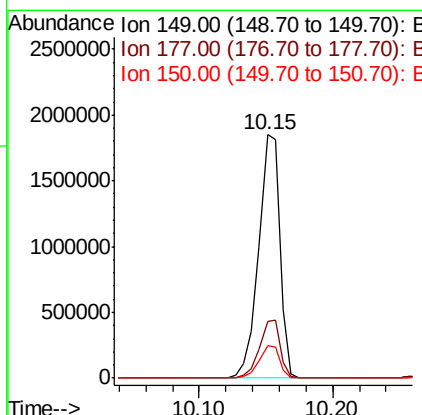
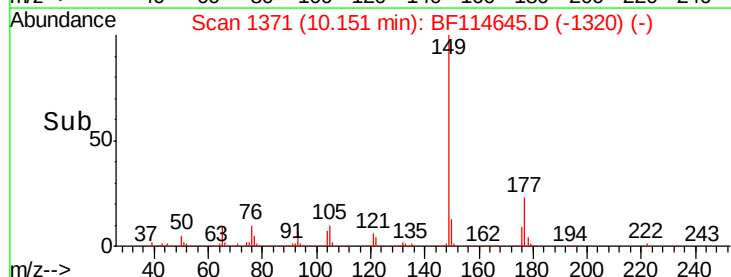
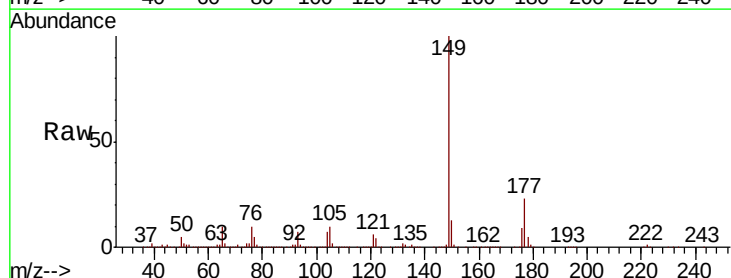
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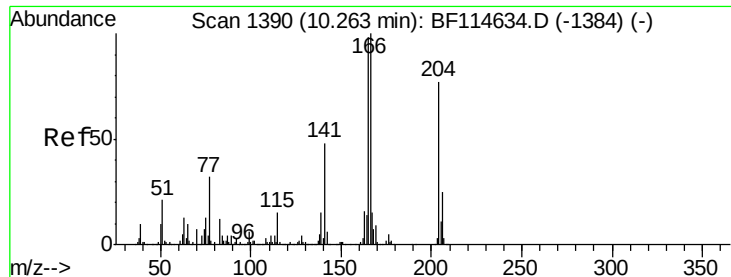
mohammad
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#60
Diethylphthalate
Concen: 47.532 ng
RT: 10.15 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.6	28.0
150	13.5	10.6	15.8





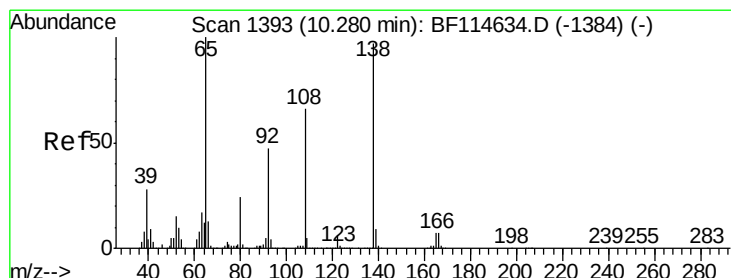
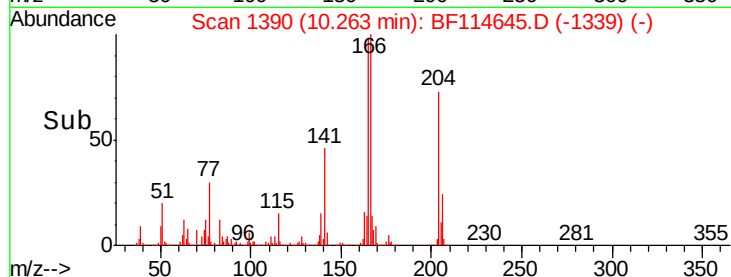
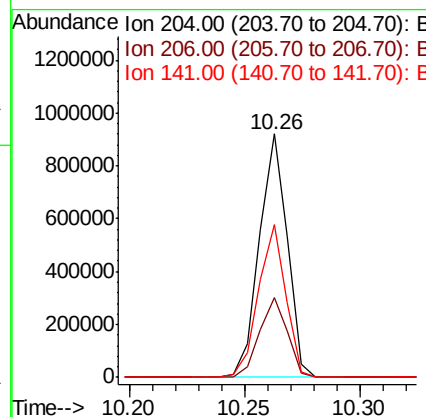
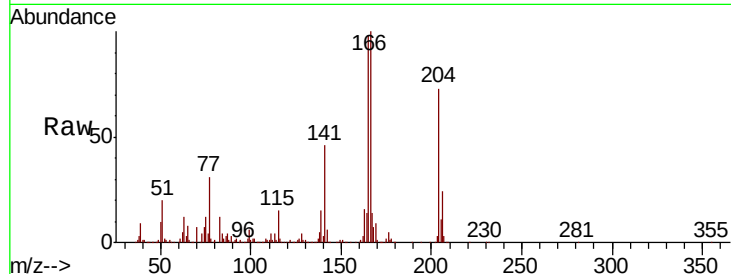
#61
 4-Chlorophenyl-phenylether
 Concen: 48.887 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

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

Tot Ion:	204	Resp:	778950
Ion Ratio	Lower	Upper	
204	100		
206	33.0	26.4	39.6
141	62.9	50.0	75.0

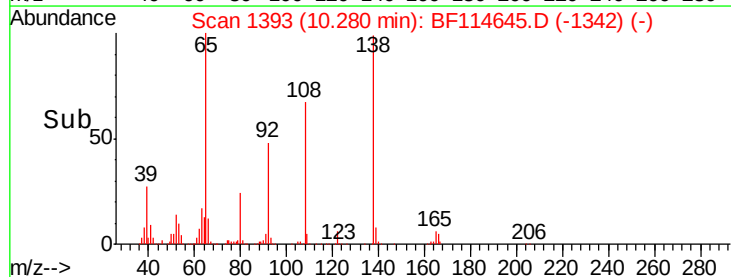
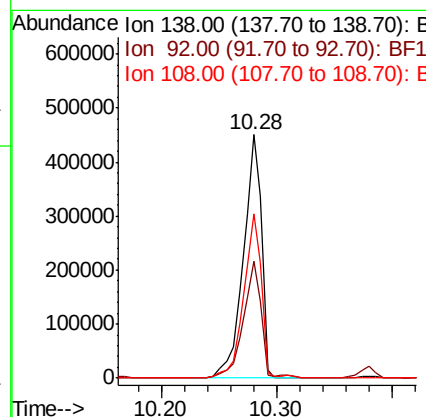
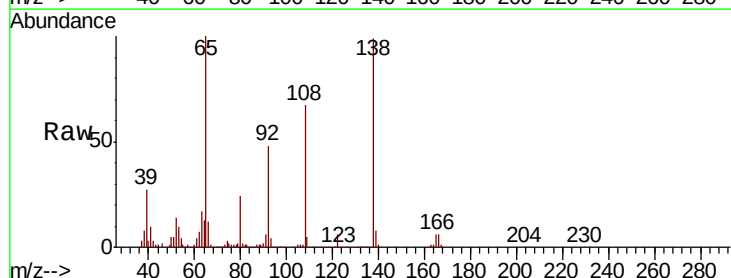
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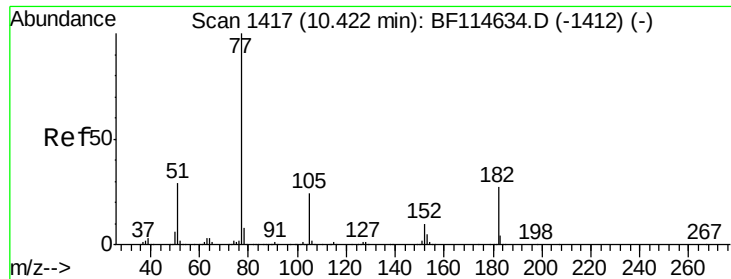
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#62
 4-Nitroaniline
 Concen: 42.708 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion:	138	Resp:	490805
Ion Ratio	Lower	Upper	
138	100		
92	48.0	28.0	68.0
108	67.4	48.4	88.4





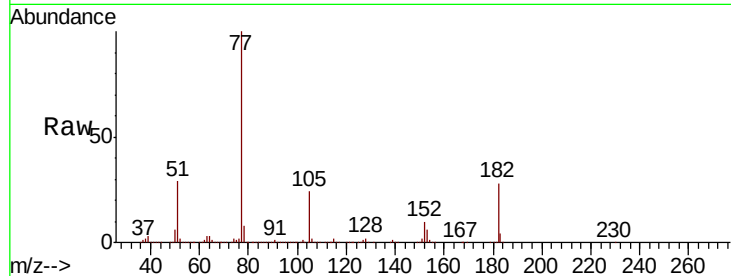
#63
Azobenzene
Concen: 47.371 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	28.0	7.0	47.0	
105	23.9	3.7	43.7	
51	28.8	9.1	49.1	

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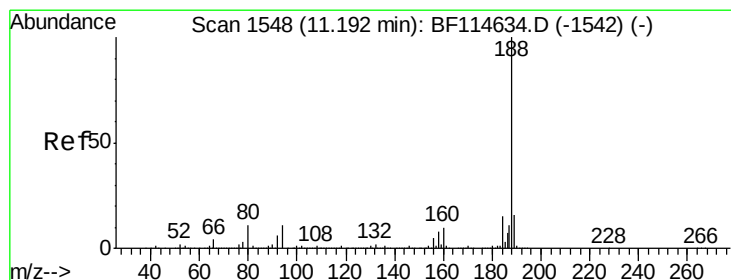
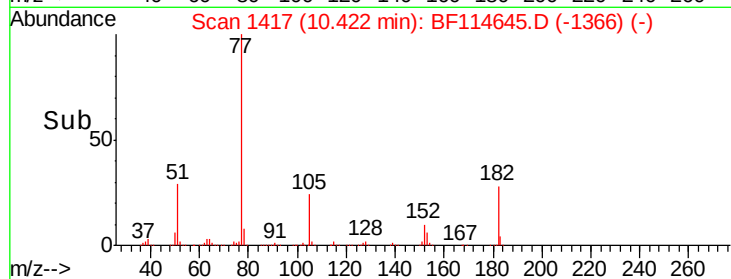
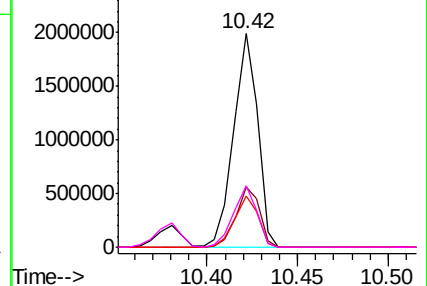
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

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: BF114645.D
Acq: 29 May 2019 20:56

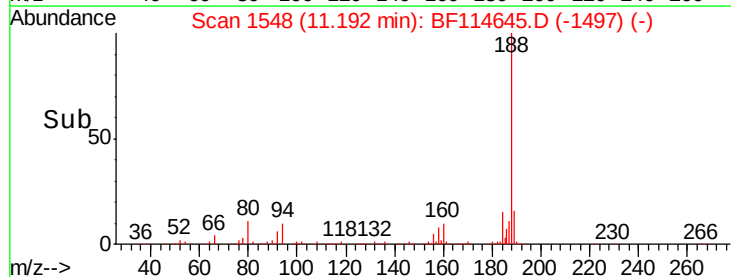
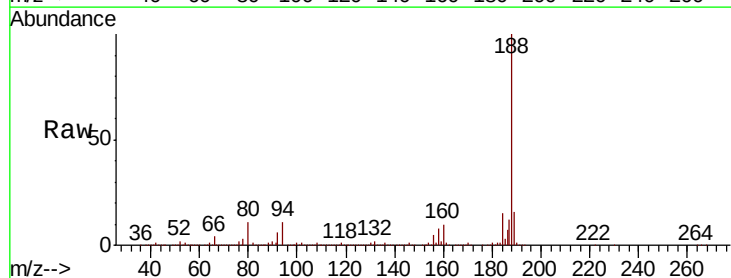
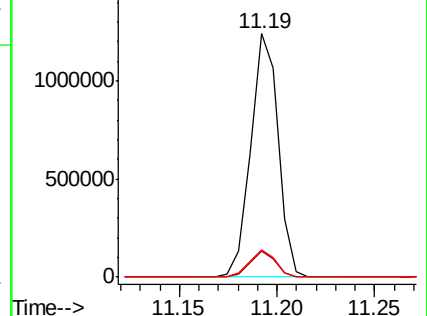
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.5	8.6	13.0	
80	11.0	9.0	13.6	

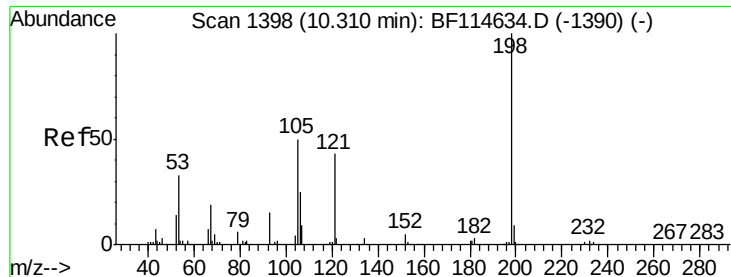
Abundance

Ion 188.00 (187.70 to 188.70): E

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: 45.561 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

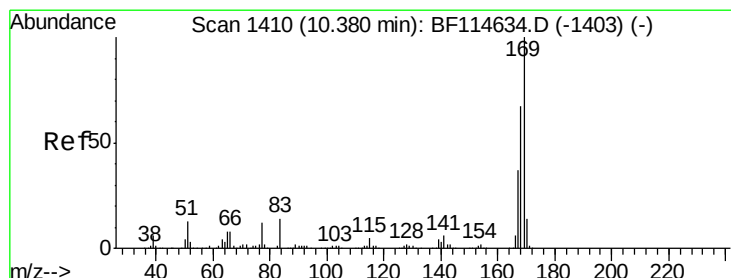
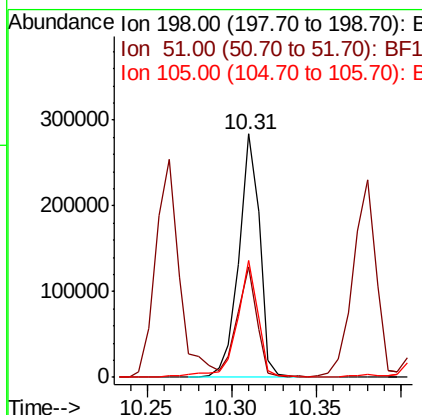
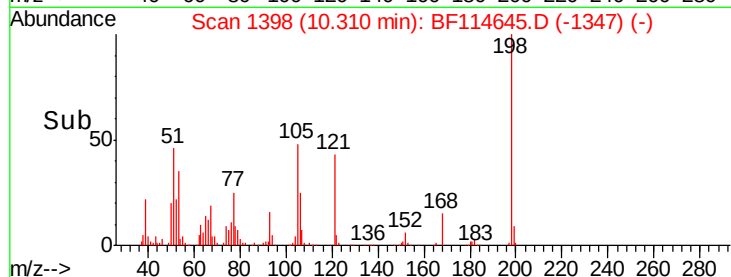
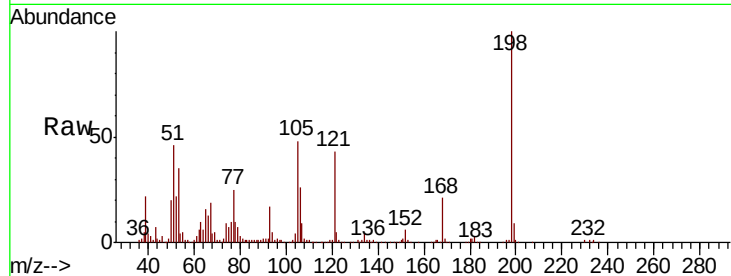
ClientSampleId :

B-4W(3-4)MS

Tot Ion:	198	Resp:	242843
Ion Ratio	Lower	Upper	
198	100		
51	45.6	29.0	69.0
105	47.8	30.4	70.4

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#66

n-Nitrosodiphenylamine

Concen: 46.074 ng

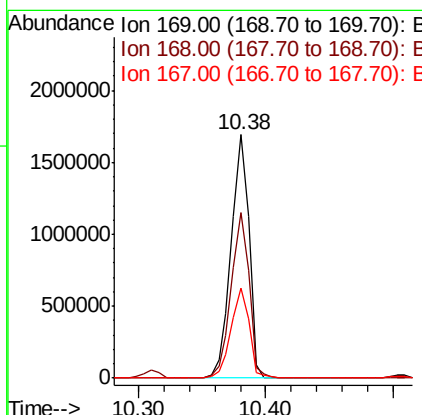
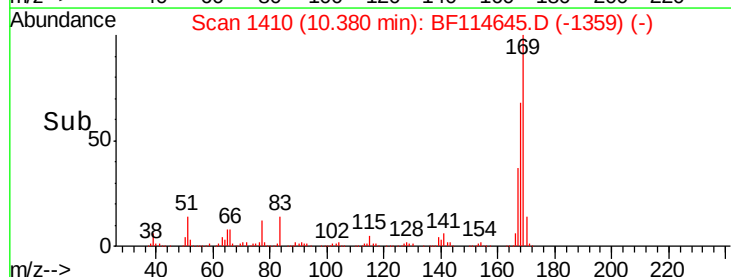
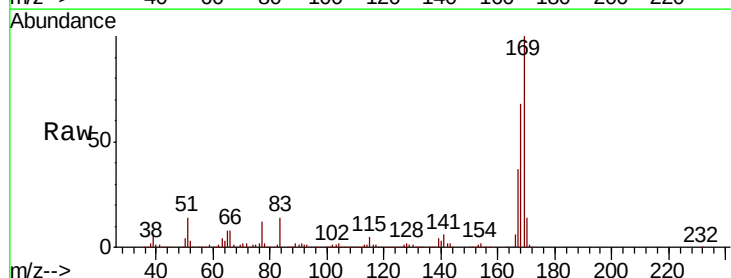
RT: 10.38 min Scan# 1410

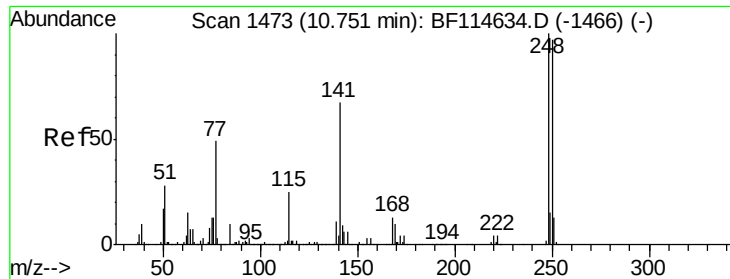
Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion:	169	Resp:	1636312
Ion Ratio	Lower	Upper	
169	100		
168	67.9	53.8	80.8
167	37.0	29.8	44.6





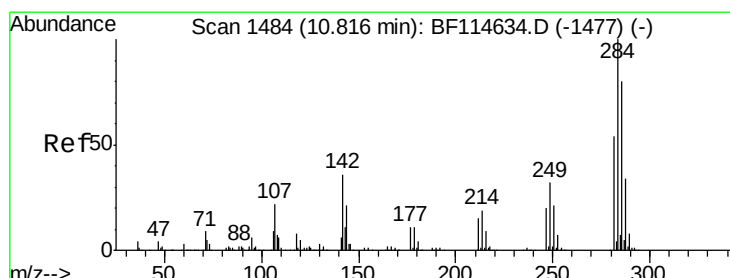
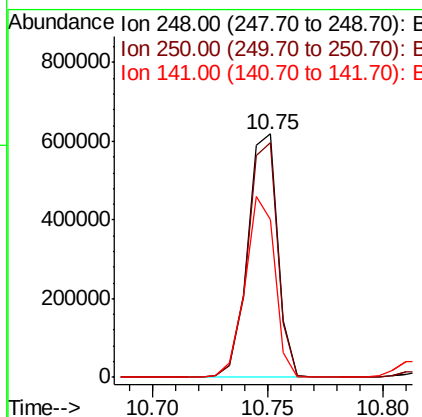
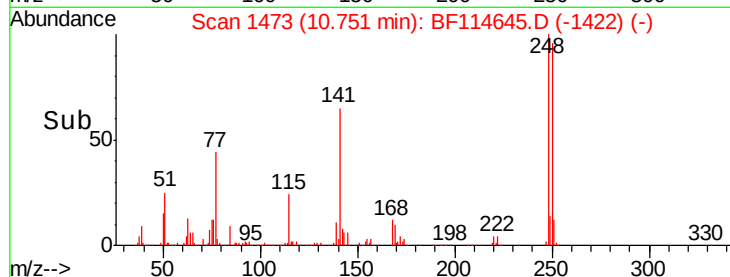
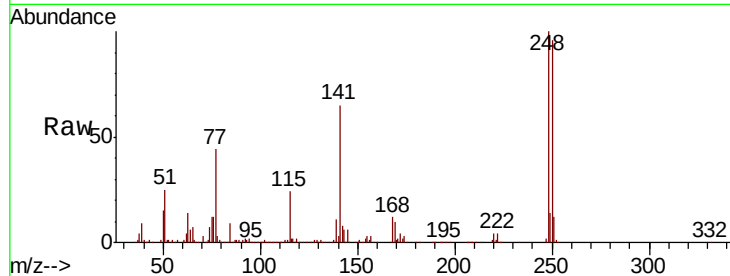
#67
4-Bromophenyl-phenylether
Concen: 43.875 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.0	117.0
141	65.0	53.8	80.8

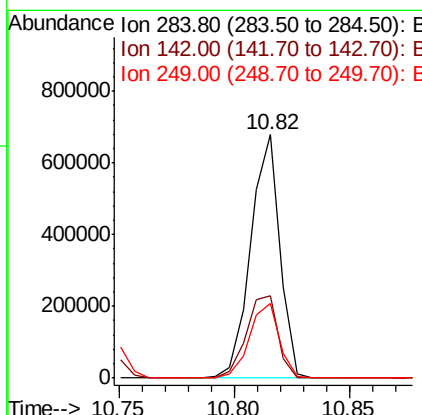
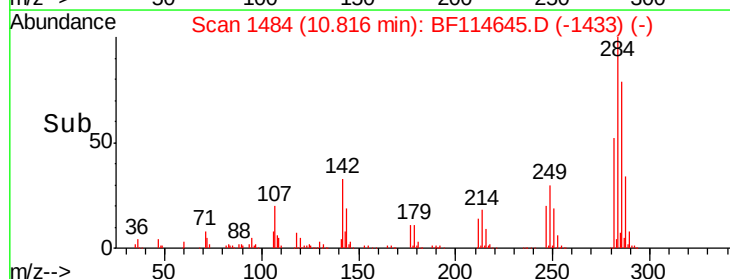
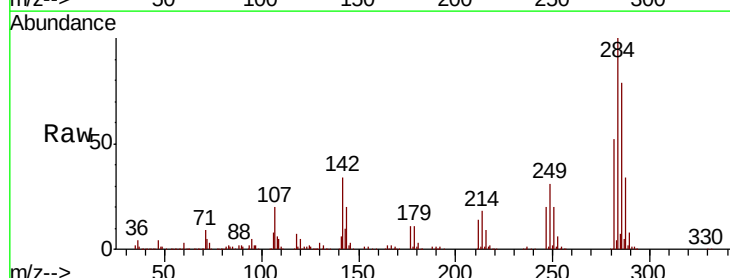
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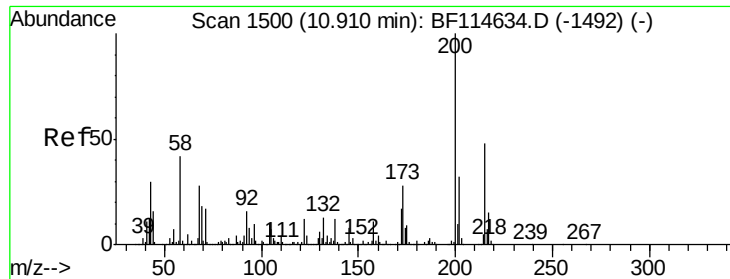
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#68
Hexachlorobenzene
Concen: 42.857 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	28.9	43.3
249	30.6	25.8	38.6





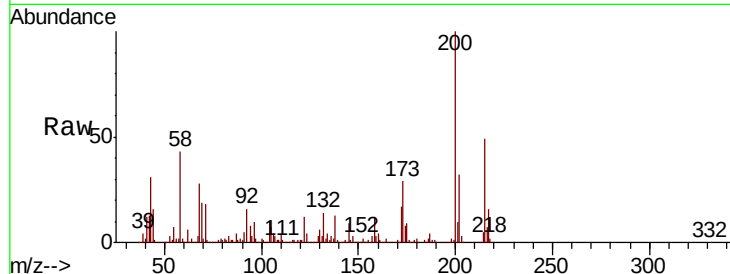
#69
Atrazine
Concen: 47.633 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.6	7.9	47.9
215	48.6	27.8	67.8

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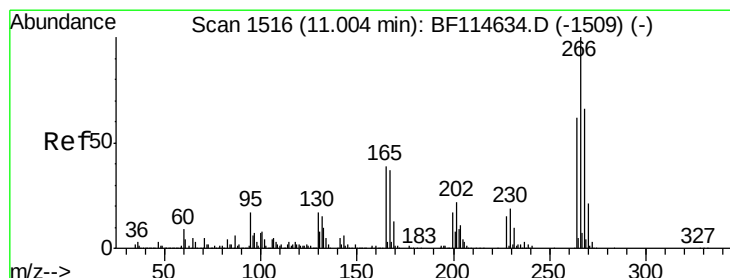
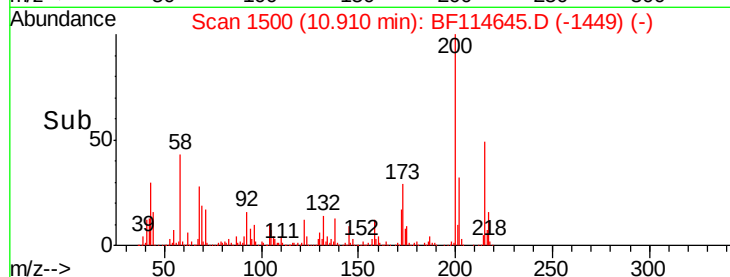
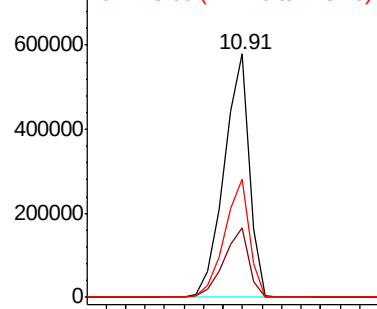


Abundance

Ion 200.00 (199.70 to 200.70): E

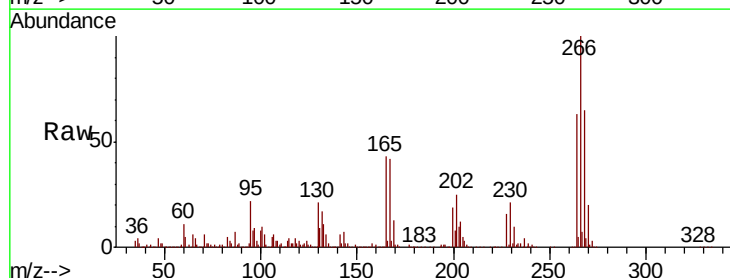
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 86.778 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.7	52.8	79.2
264	62.8	49.9	74.9

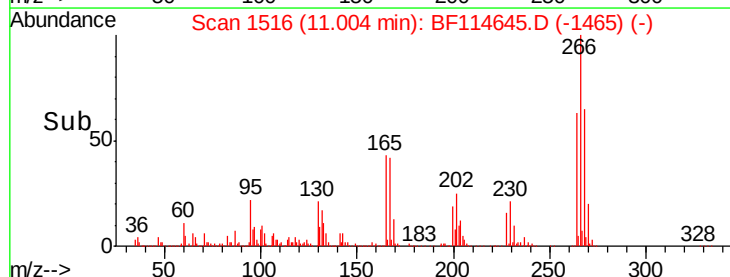
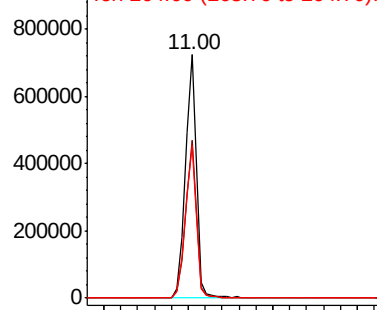


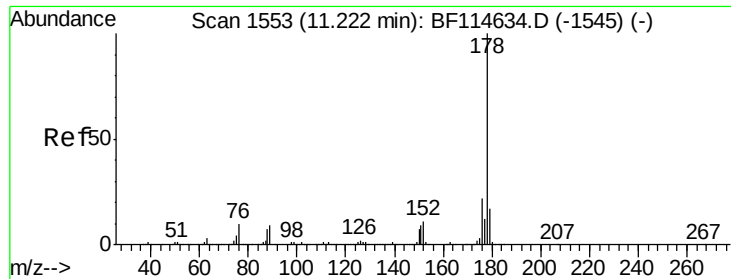
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 42.009 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:178 Resp: 2575930

Ion Ratio Lower Upper

178 100

176 21.4 17.2 25.8

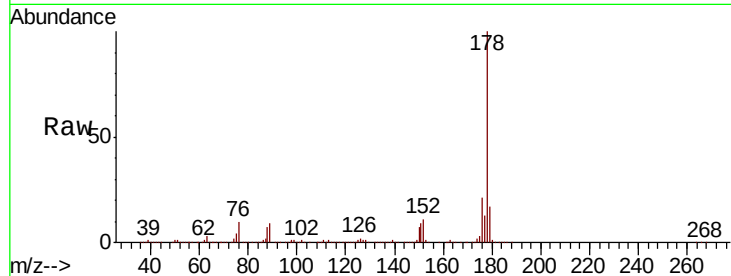
179 17.2 13.9 20.9

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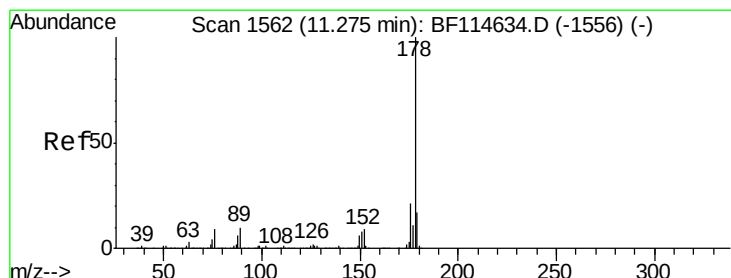
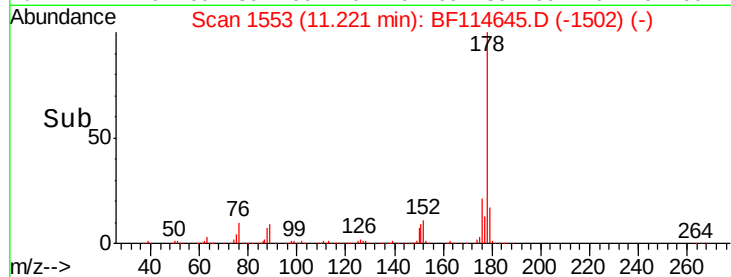
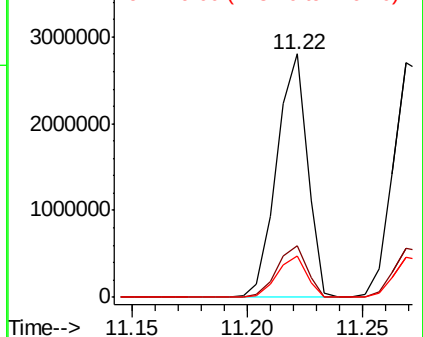
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.047 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

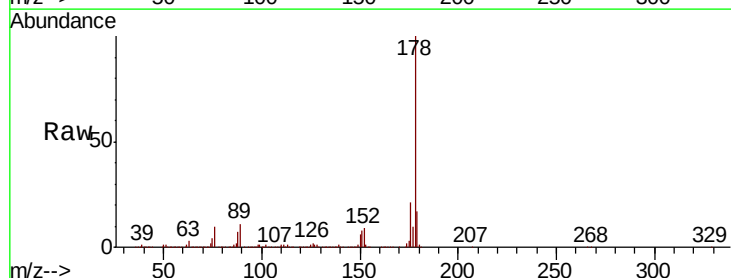
Tgt Ion:178 Resp: 2671524

Ion Ratio Lower Upper

178 100

176 20.8 16.6 24.8

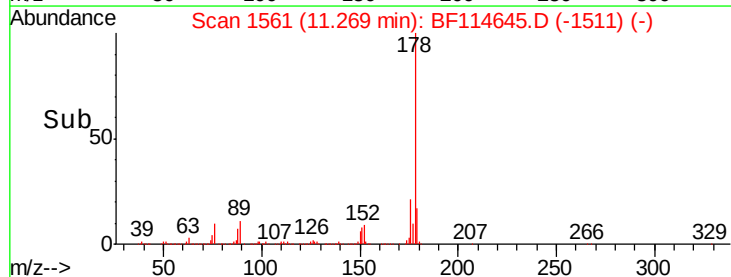
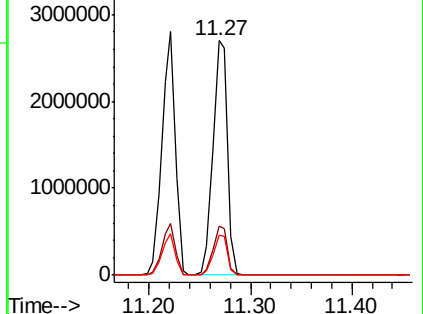
179 17.3 13.4 20.0

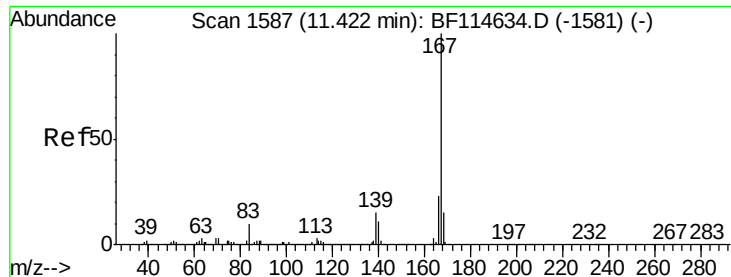


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 45.537 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:167 Resp: 2483713

Ion Ratio Lower Upper

167 100

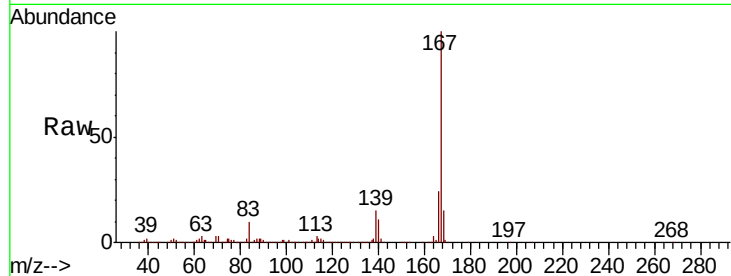
166 23.5 18.7 28.1

139 15.0 11.8 17.8

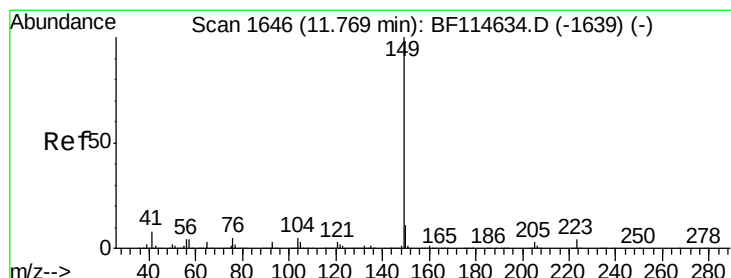
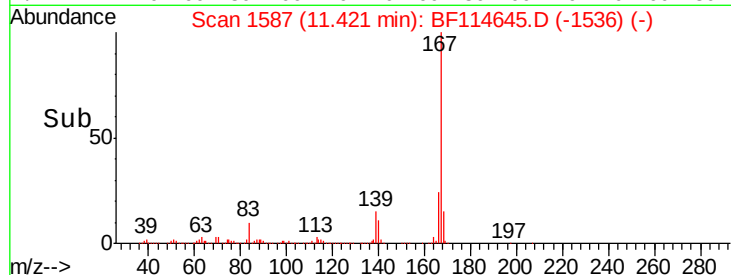
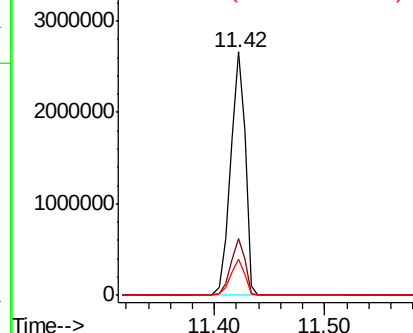
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.880 ng

RT: 11.77 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

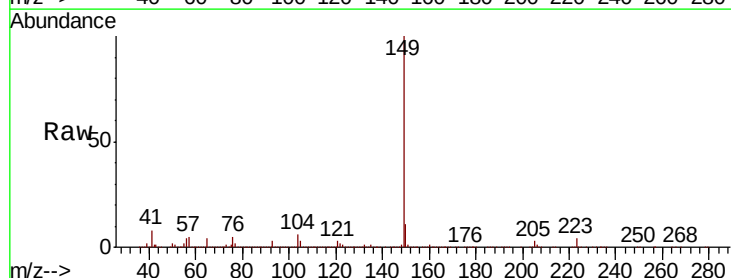
Tgt Ion:149 Resp: 3055932

Ion Ratio Lower Upper

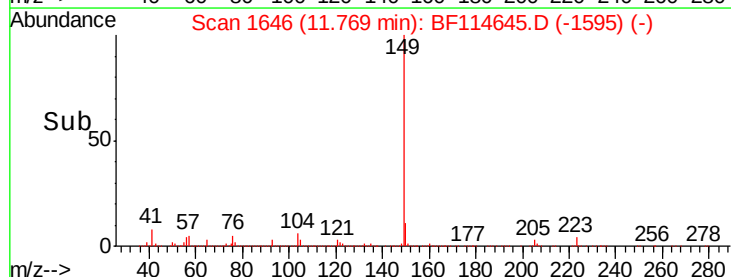
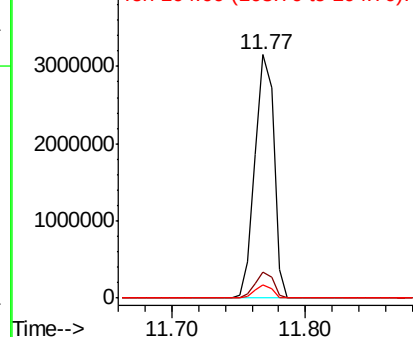
149 100

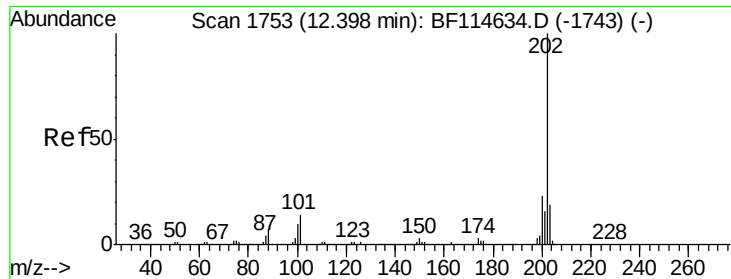
150 10.7 8.6 12.8

104 5.5 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: 42.993 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

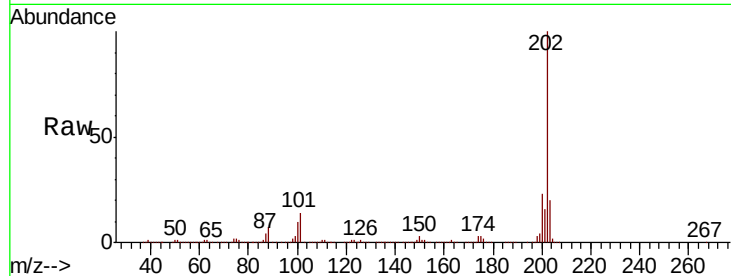
ClientSampleId :

B-4W(3-4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.1	0.0	33.9		
203	19.5	0.0	39.1		

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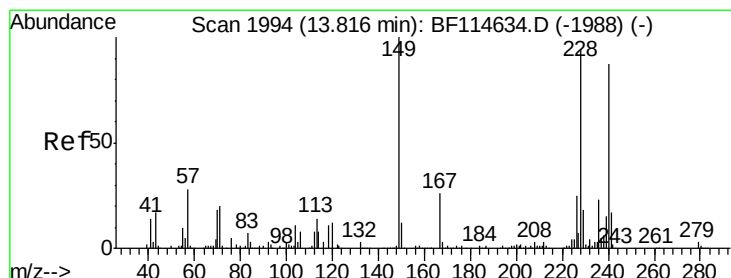
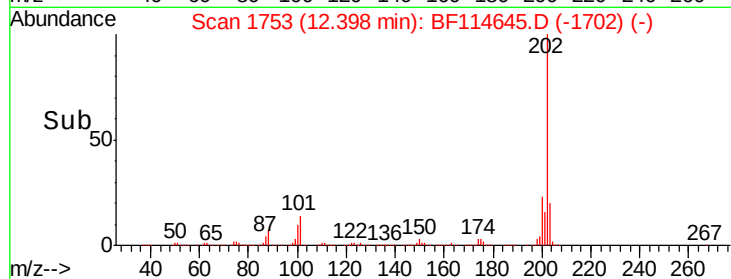
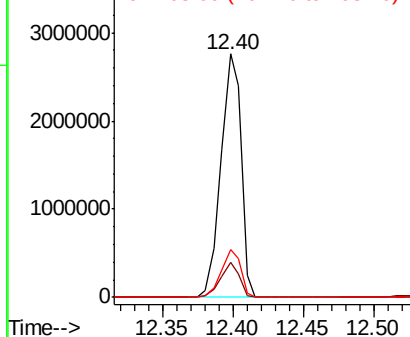


Abundance

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

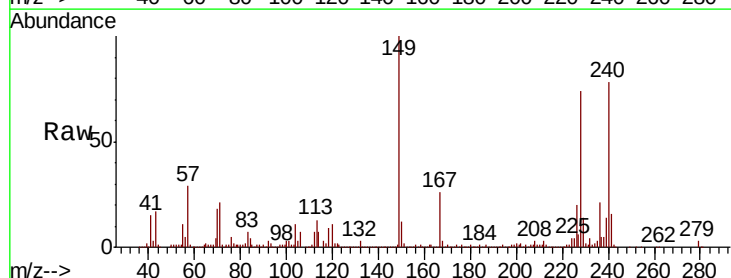
RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.6	11.2	16.8		
236	27.0	21.2	31.8		

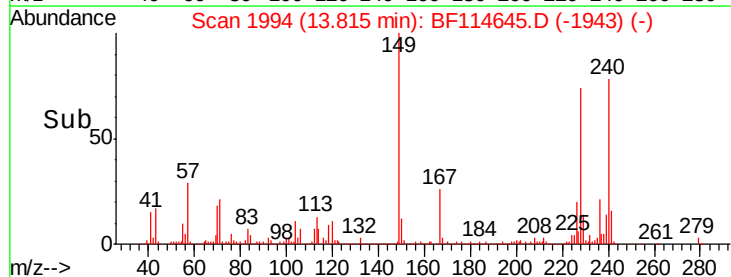
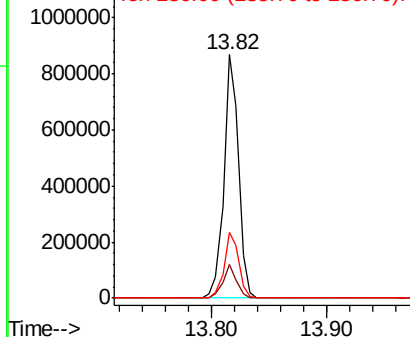


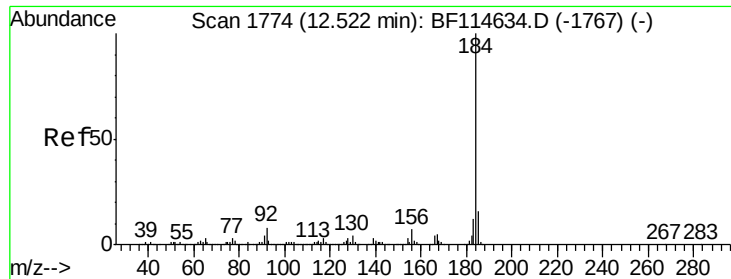
Abundance

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: 34.639 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MS

Tot Ion:184 Resp: 1083490

Ion Ratio Lower Upper

184 100

185 17.2 12.6 18.8

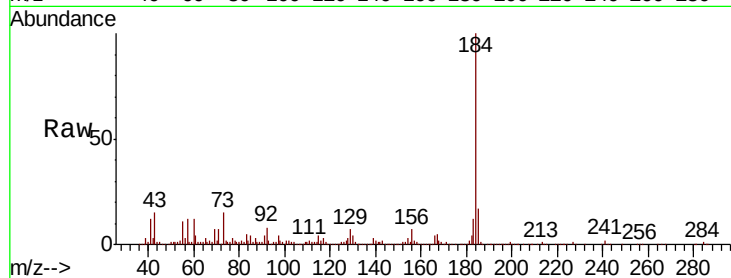
183 11.9 9.4 14.2

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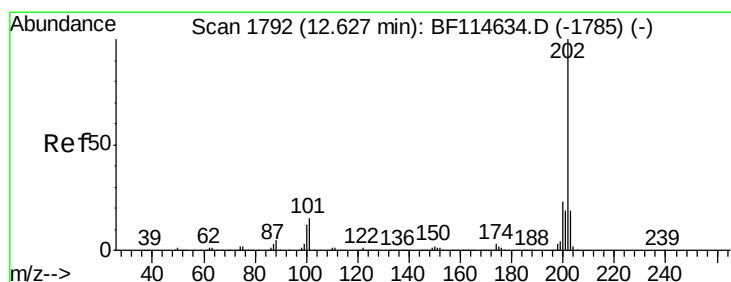
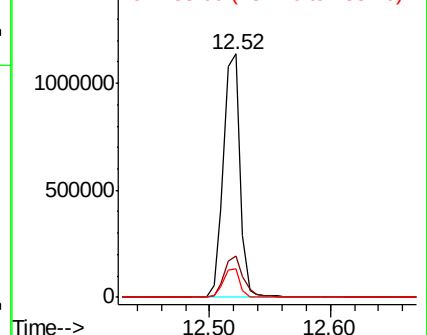
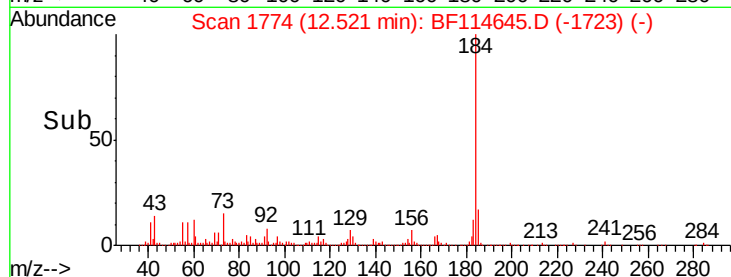


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 42.972 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF114645.D

Acq: 29 May 2019 20:56

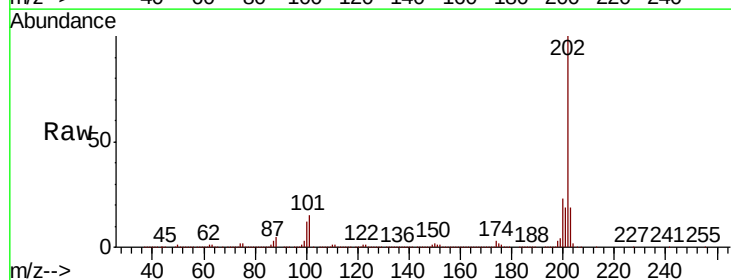
Tgt Ion:202 Resp: 2761298

Ion Ratio Lower Upper

202 100

200 23.3 18.6 28.0

203 19.3 15.4 23.2

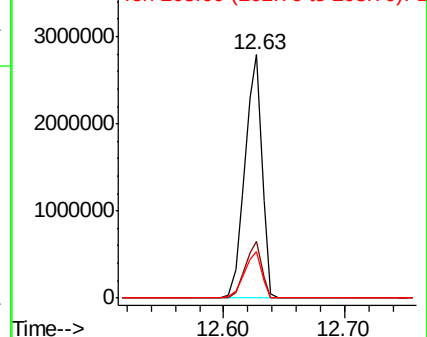
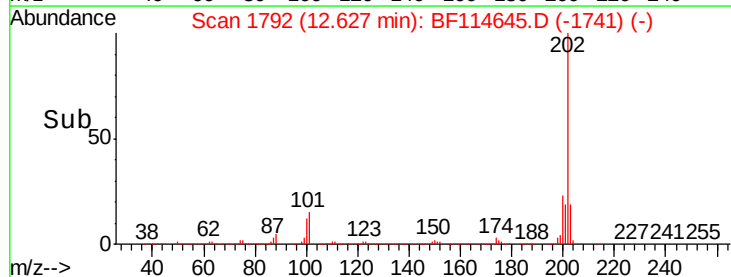


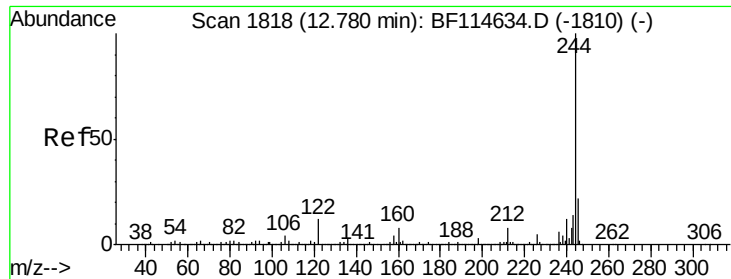
Abundance

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





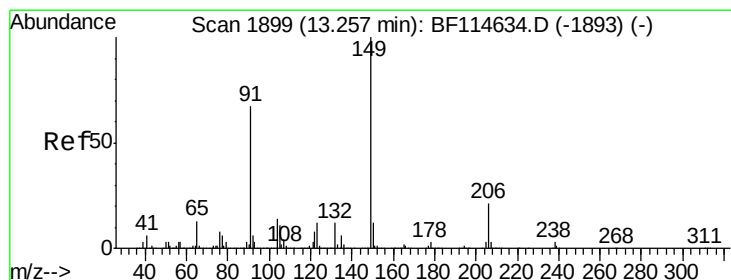
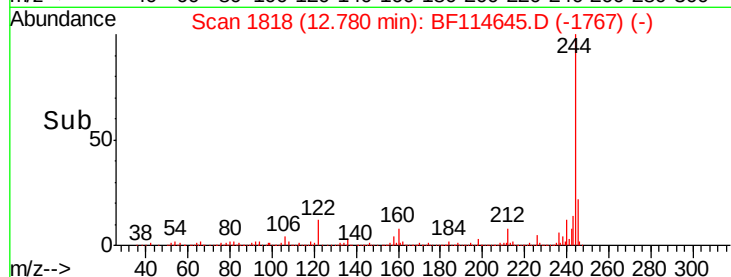
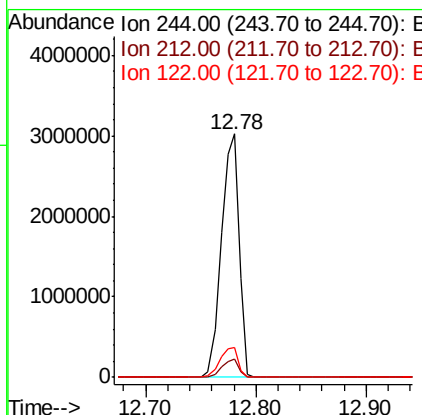
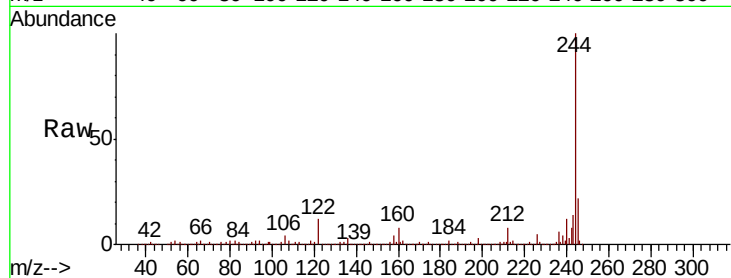
#79
 Terphenyl-d14
 Concen: 83.424 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	12.1	9.8	14.8

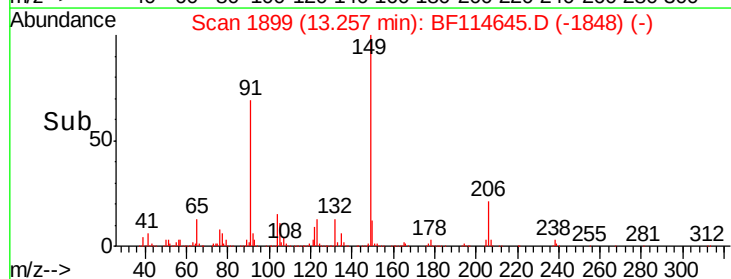
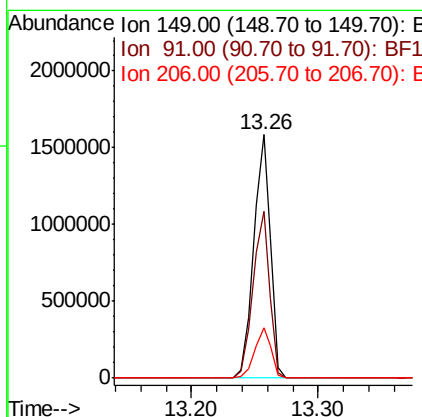
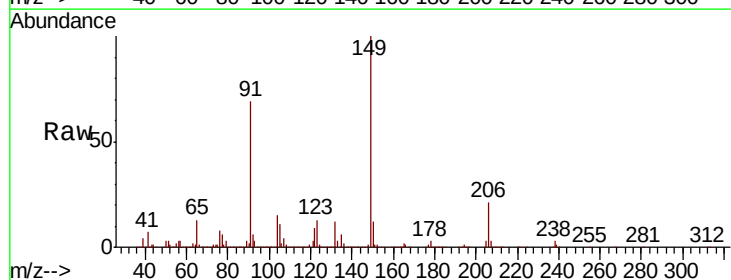
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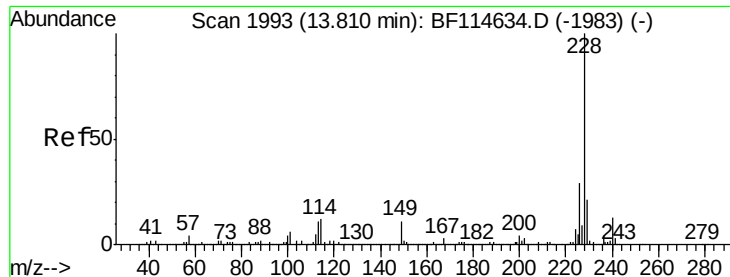
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#80
 Butylbenzylphthalate
 Concen: 45.448 ng
 RT: 13.26 min Scan# 1899
 Delta R.T. -0.00 min
 Lab File: BF114645.D
 Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.7	53.8	80.8
206	20.8	16.9	25.3





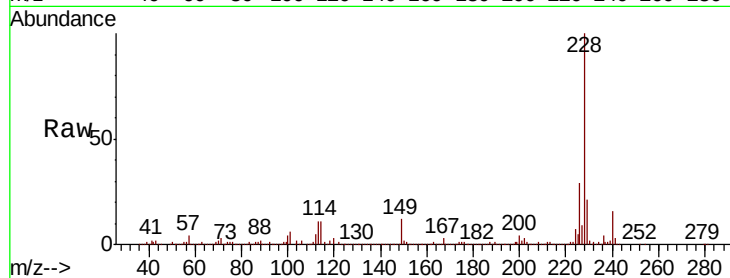
#81
Benzo(a)anthracene
Concen: 42.160 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

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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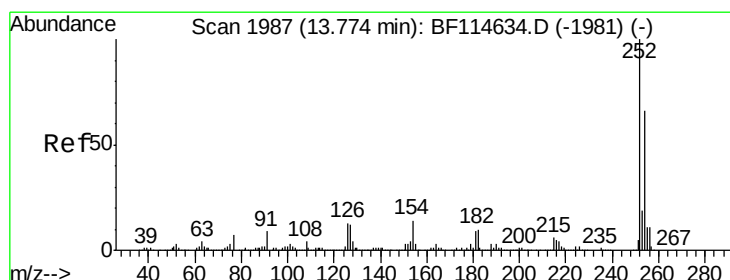
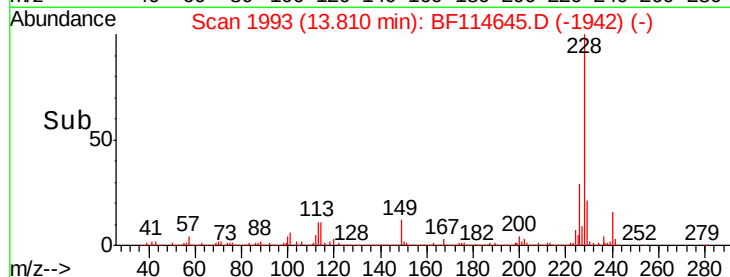
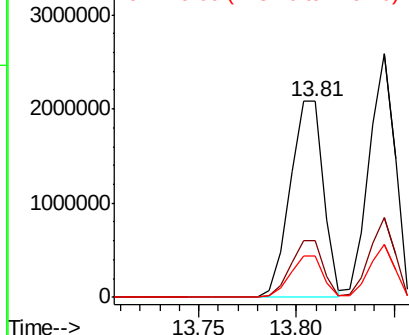


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 19.566 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

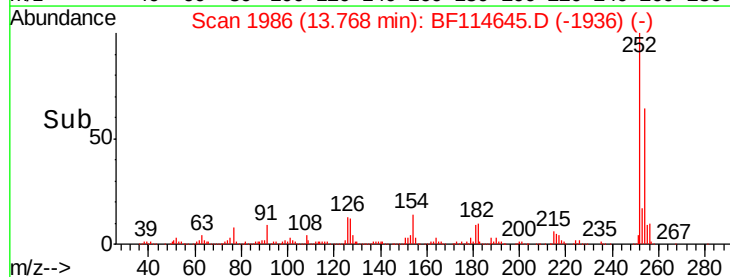
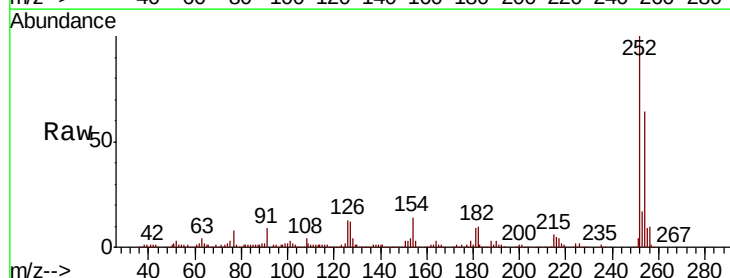
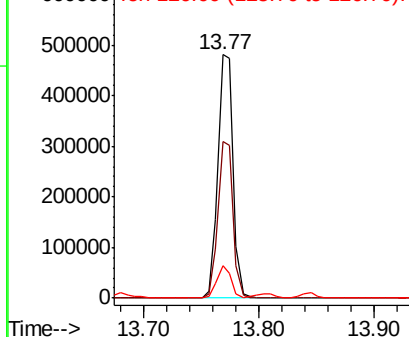
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.4	53.1	79.7
126	13.2	10.2	15.2

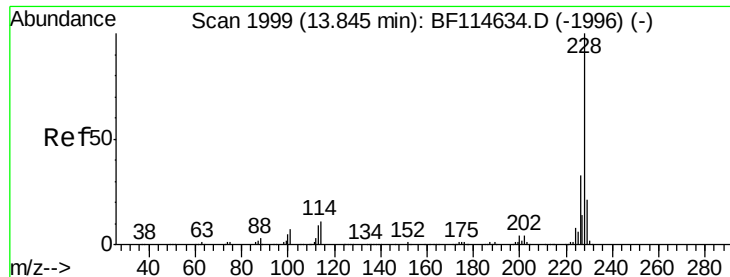
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





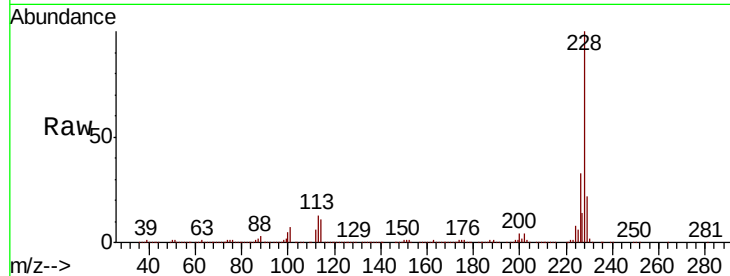
#83
Chrysene
Concen: 42.814 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	26.4	39.6
229	21.8	17.1	25.7

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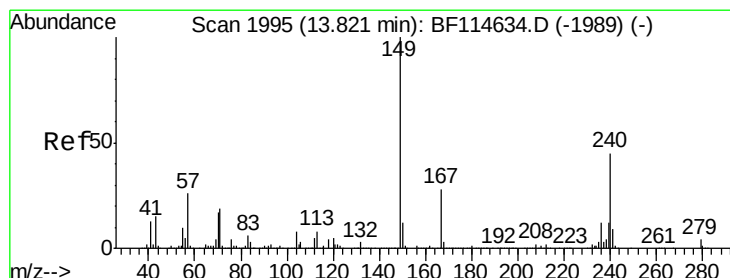
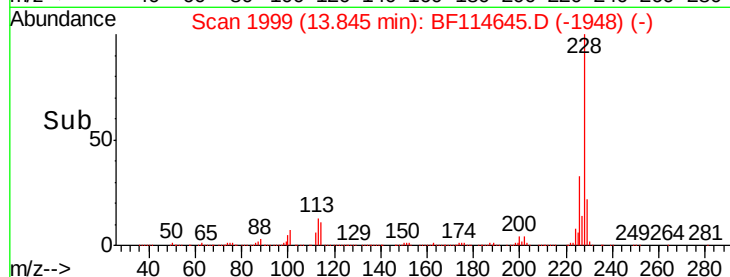
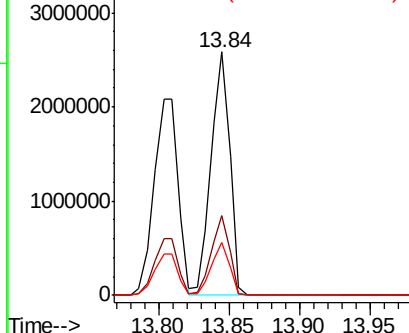


Abundance

Ion 228.00 (227.70 to 228.70): E

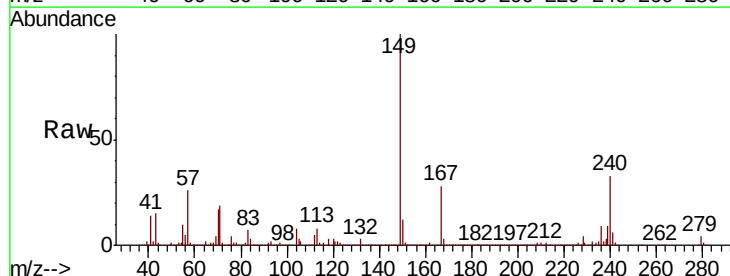
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.200 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.6	33.8
279	3.8	3.0	4.4

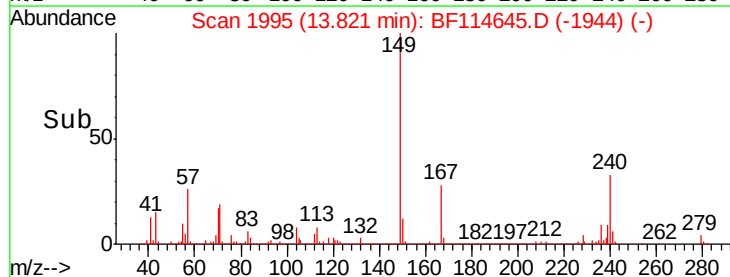
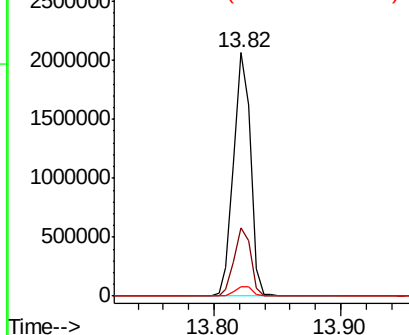


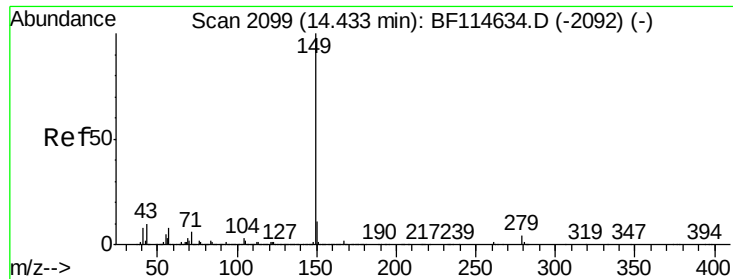
Abundance

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





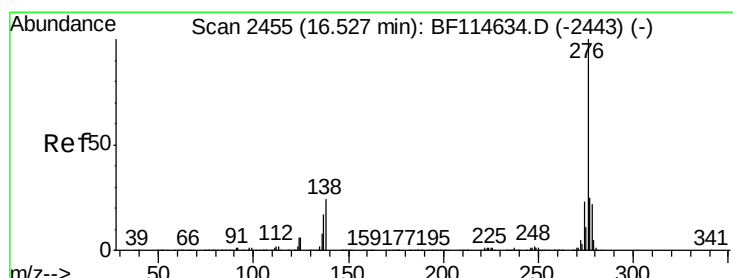
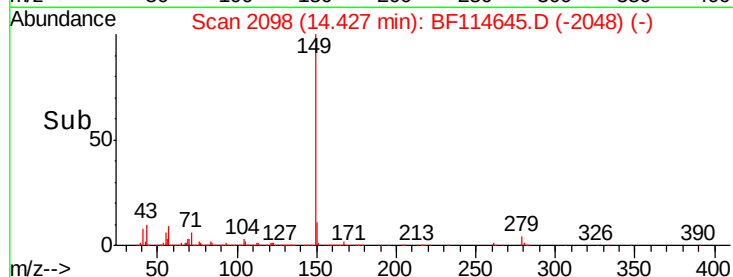
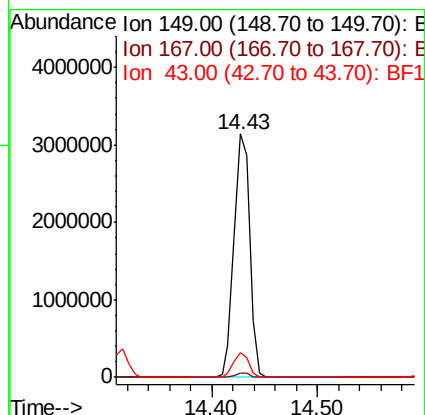
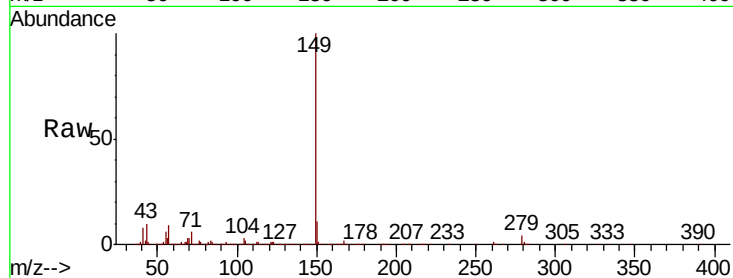
#85
Di-n-octyl phthalate
Concen: 46.209 ng
RT: 14.43 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.6	8.0	12.0

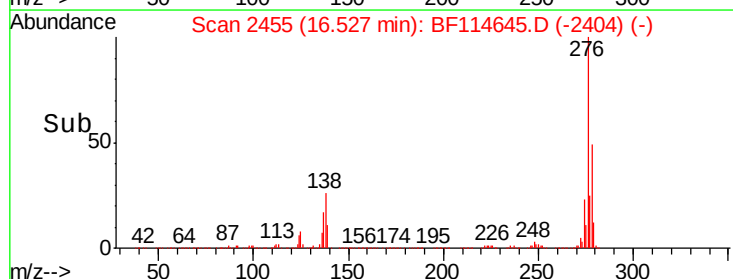
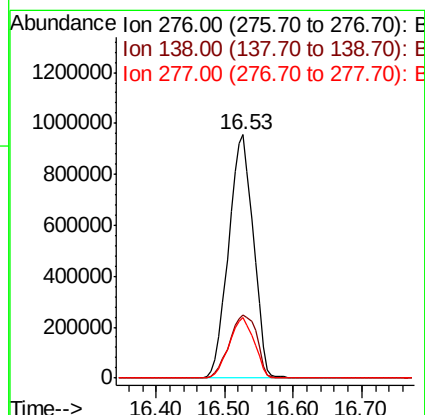
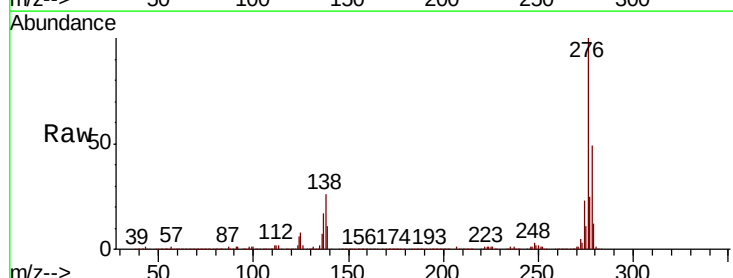
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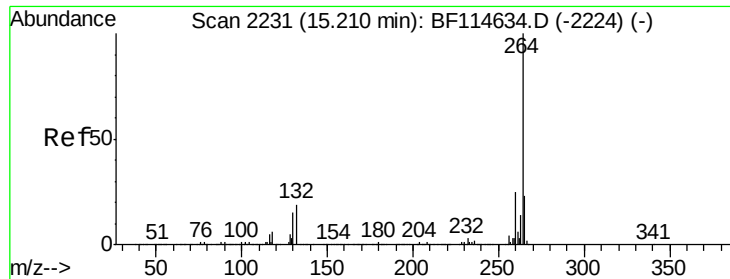
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#86
Indeno(1,2,3-cd)pyrene
Concen: 42.718 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.0	23.0	34.6
277	25.3	20.5	30.7





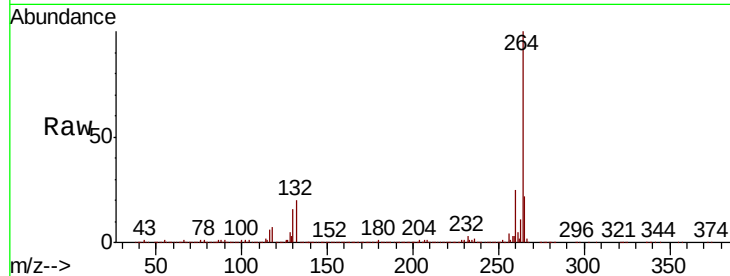
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.1	18.1	27.1

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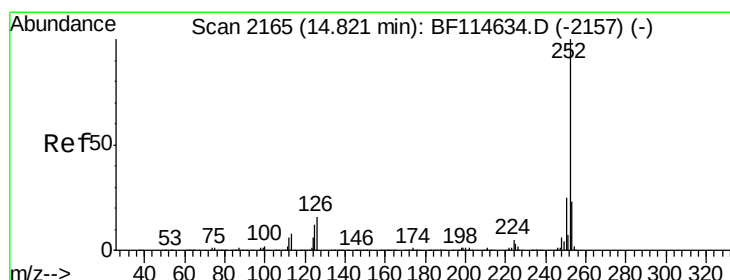
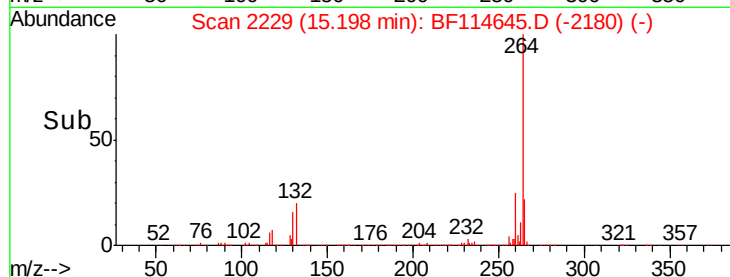
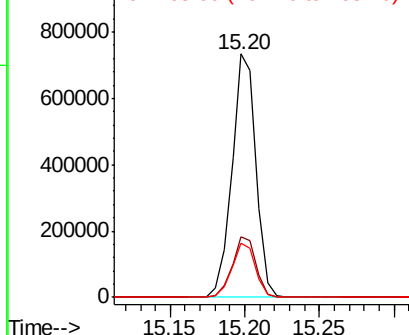


Abundance

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: 44.358 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

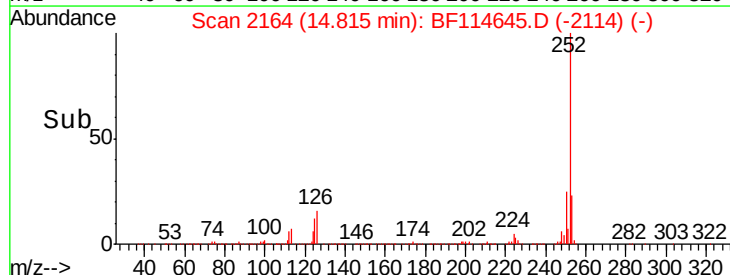
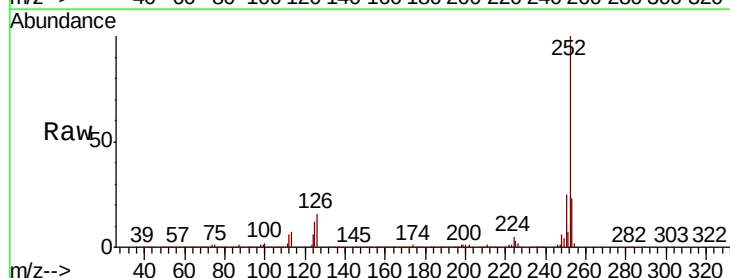
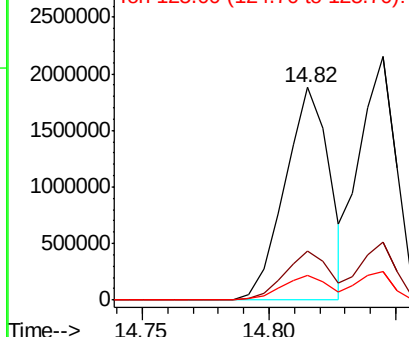
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	11.6	9.4	14.2

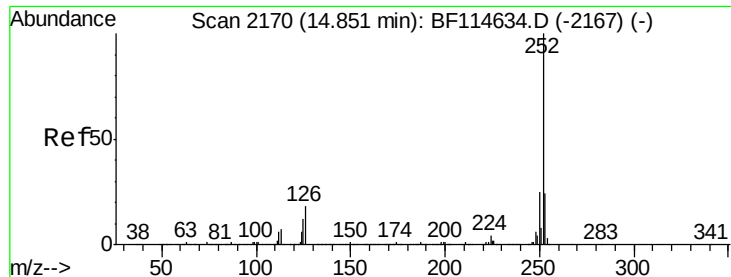
Abundance

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





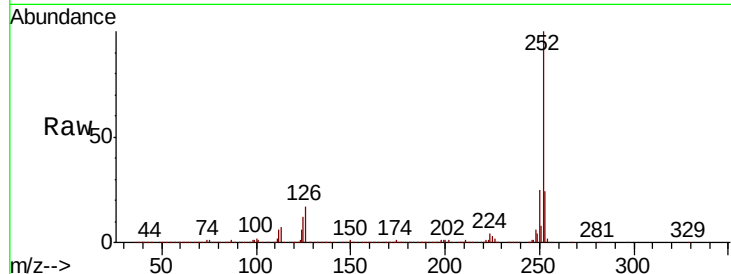
#89
Benzo(k)fluoranthene
Concen: 47.773 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	11.7	9.5	14.3

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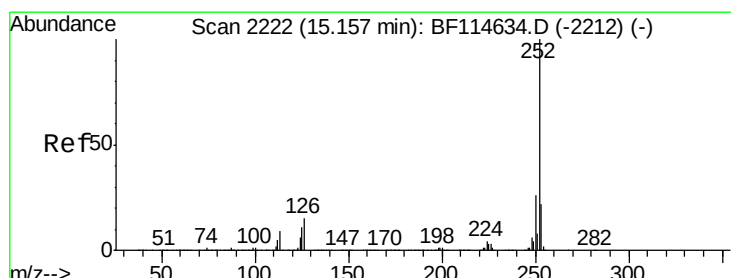
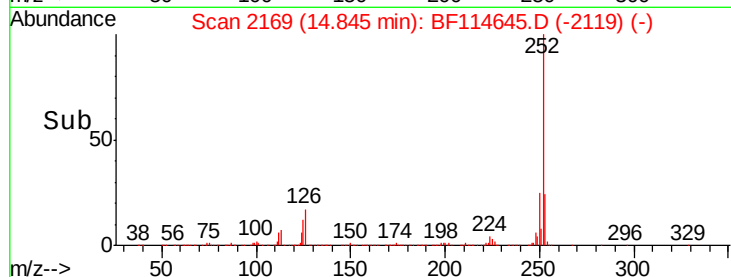
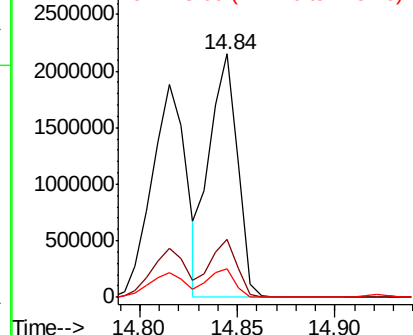


Abundance

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



#90
Benzo(a)pyrene
Concen: 46.660 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

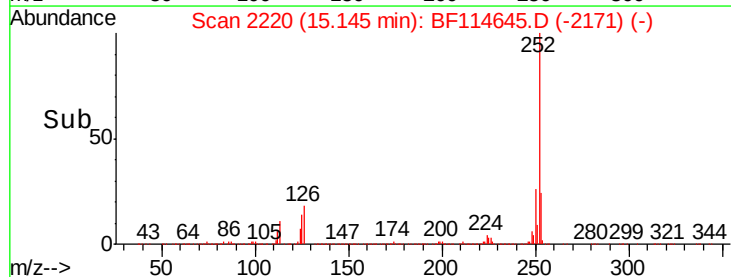
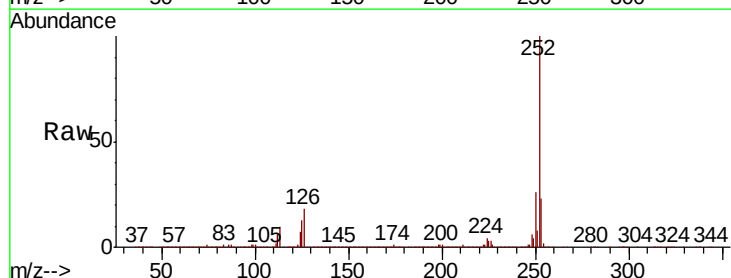
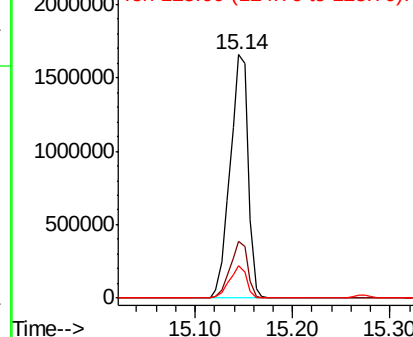
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.5	9.2	13.8

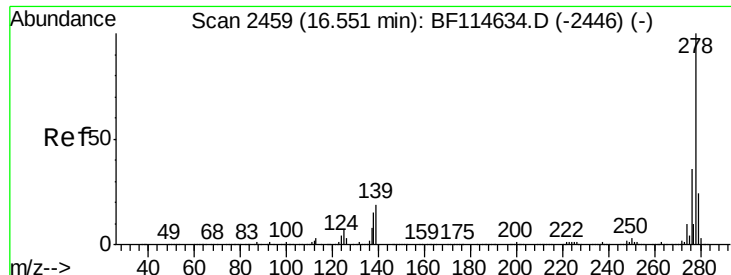
Abundance

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





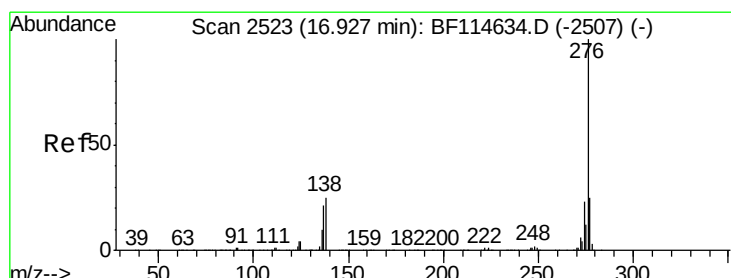
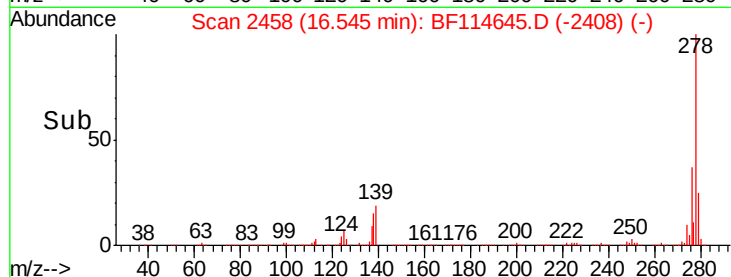
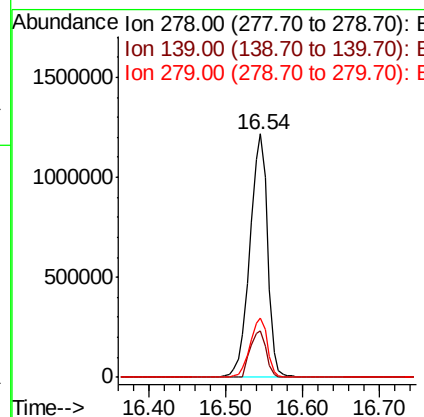
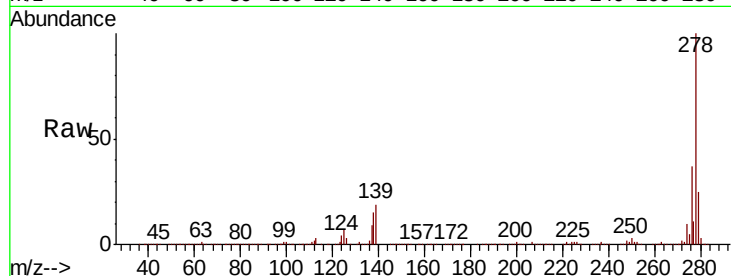
#91
Dibenzo(a,h)anthracene
Concen: 48.767 ng
RT: 16.54 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.0	14.9	22.3
279	24.6	19.5	29.3

Manual Integrations
APPROVED

mohammad
5/30/2019 12:47:55 PM



#92
Benzo(g,h,i)perylene
Concen: 51.368 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF114645.D
Acq: 29 May 2019 20:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.7	29.5
138	24.9	19.8	29.8

