

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108252.D
 Acq On : 17 Aug 2018 19:23
 Operator : JU/SJ
 Sample : J4501-05MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

Quant Time: Aug 17 23:44:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	134897	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	518328	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	262750	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	508157	20.00	ng	0.00
75) Chrysene-d12	14.21	240	454608	20.00	ng	0.00
86) Perylene-d12	15.77	264	418105	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	754234	101.23	ng	0.01
7) Phenol-d6	6.64	99	1000670	101.06	ng	0.00
23) Nitrobenzene-d5	7.58	82	652945	70.29	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	284554	108.57	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1212932	74.11	ng	0.00
78) Terphenyl-d14	13.14	244	1319879	73.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.89	88	87736	22.916	ng	91
3) Pyridine	3.68	79	248709	25.218	ng	85
4) n-Nitrosodimethylamine	3.63	42	143423	25.844	ng	# 87
6) Aniline	6.68	93	350218	26.004	ng	97
8) 2-Chlorophenol	6.80	128	262153	31.239	ng	97
9) Benzaldehyde	6.57	77	151378	19.719	ng	94
10) Phenol	6.65	94	332974	32.511	ng	91
11) bis(2-Chloroethyl)ether	6.74	93	252042	30.440	ng	90
12) 1,3-Dichlorobenzene	6.96	146	289069	29.791	ng	99
13) 1,4-Dichlorobenzene	7.03	146	291438	29.894	ng	98
14) 1,2-Dichlorobenzene	7.19	146	275192	30.347	ng	96
15) Benzyl Alcohol	7.15	79	249108	29.885	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.28	45	493012	28.903	ng	97
17) 2-Methylphenol	7.25	107	219126	30.449	ng	96
18) Hexachloroethane	7.53	117	97152	27.991	ng	# 87
19) n-Nitroso-di-n-propylamine	7.41	70	195889	29.256	ng	# 87
20) 3+4-Methylphenols	7.41	107	287334	31.157	ng	97
22) Acetophenone	7.42	105	383119	31.611	ng	# 93
24) Nitrobenzene	7.60	77	290203	30.896	ng	95
25) Isophorone	7.83	82	533299	30.122	ng	97
26) 2-Nitrophenol	7.91	139	118732	33.472	ng	95
27) 2,4-Dimethylphenol	7.94	122	242646	30.879	ng	96
28) bis(2-Chloroethoxy)methane	8.04	93	323330	31.283	ng	99
29) 2,4-Dichlorophenol	8.15	162	234886	32.482	ng	98
30) 1,2,4-Trichlorobenzene	8.24	180	243086	30.489	ng	96
31) Naphthalene	8.32	128	761979	32.325	ng	99
32) Benzoic acid	8.00	122	22371	10.270	ng	93
33) 4-Chloroaniline	8.37	127	279150	27.174	ng	98
34) Hexachlorobutadiene	8.43	225	152744	30.263	ng	97
35) Caprolactam	8.72	113	71492	31.548	ng	# 80
36) 4-Chloro-3-methylphenol	8.84	107	245182	31.429	ng	98
37) 2-Methylnaphthalene	9.01	142	522966	31.357	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.18	216	263260	32.627	ng	# 97
40) Hexachlorocyclopentadiene	9.16	237	92326	17.715	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.29	196	170422	34.036	ng	98
43) 2,4,5-Trichlorophenol	9.32	196	189518	34.383	ng	98
45) 1,1'-Biphenyl	9.48	154	642607	33.171	ng	97
46) 2-Chloronaphthalene	9.51	162	495443	32.358	ng	96
47) 2-Nitroaniline	9.60	65	173654	35.052	ng	85
48) Acenaphthylene	9.92	152	792349	32.733	ng	100
49) Dimethylphthalate	9.77	163	701650	38.336	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	127201	33.218	ng	90
51) Acenaphthene	10.10	154	460313	31.047	ng	99
52) 3-Nitroaniline	10.01	138	130404	31.125	ng	93
53) 2,4-Dinitrophenol	10.11	184	8068	12.156	ng	# 26
54) Dibenzofuran	10.27	168	702779	32.718	ng	98
55) 4-Nitrophenol	10.17	139	195319	61.563	ng	93
56) 2,4-Dinitrotoluene	10.24	165	170410	34.573	ng	# 96
57) Fluorene	10.61	166	554550	32.613	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.38	232	151291	32.840	ng	# 86
59) Diethylphthalate	10.47	149	579659	32.706	ng	95
60) 4-Chlorophenyl-phenylether	10.60	204	281848	31.811	ng	# 87
61) 4-Nitroaniline	10.62	138	137110	33.100	ng	95
62) Azobenzene	10.76	77	576429	31.493	ng	93
64) 4,6-Dinitro-2-methylphenol	10.65	198	16057	12.835	ng	84
65) n-Nitrosodiphenylamine	10.72	169	510756	34.013	ng	95
66) 4-Bromophenyl-phenylether	11.10	248	179165	32.444	ng	# 82
67) Hexachlorobenzene	11.16	284	181327	31.208	ng	92
68) Atrazine	11.24	200	175056	34.757	ng	93
69) Pentachlorophenol	11.35	266	159123	57.216	ng	95
70) Phenanthrene	11.58	178	797140	33.259	ng	99
71) Anthracene	11.64	178	826109	33.629	ng	100
72) Carbazole	11.79	167	731667	33.523	ng	98
73) Di-n-butylphthalate	12.10	149	889384	35.976	ng	99
74) Fluoranthene	12.78	202	857733	32.790	ng	96
76) Benzidine	12.90	184	680351	40.055	ng	99
77) Pyrene	13.01	202	870816	30.256	ng	99
79) Butylbenzylphthalate	13.61	149	367080	32.119	ng	# 94
80) Benzo(a)anthracene	14.20	228	836813	32.074	ng	100
81) 3,3'-Dichlorobenzidine	14.16	252	315286	33.721	ng	# 97
82) Chrysene	14.24	228	779600	32.593	ng	100
83) Bis(2-ethylhexyl)phthalate	14.16	149	506790	32.746	ng	99
84) Di-n-octyl phthalate	14.79	149	895815	37.953	ng	96
85) Indeno(1,2,3-cd)pyrene	17.39	276	591932	28.562	ng	# 91
87) Benzo(b)fluoranthene	15.30	252	803989	32.181	ng	97
88) Benzo(k)fluoranthene	15.34	252	720502	31.373	ng	# 95
89) Benzo(a)pyrene	15.71	252	700311	31.303	ng	# 96
90) Dibenzo(a,h)anthracene	17.41	278	496699	26.833	ng	# 93
91) Benzo(g,h,i)perylene	17.88	276	471293	25.857	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.01 min Scan# 795

Delta R.T. 0.00 min

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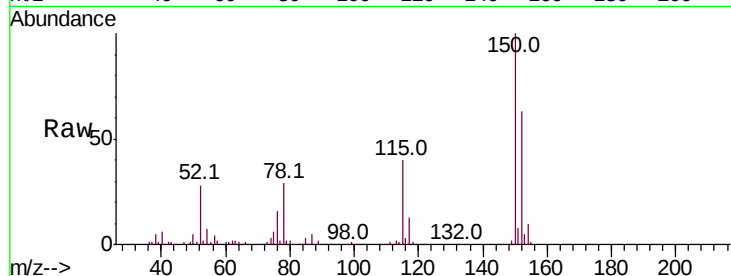
Tot Ion:152 Resp: 134897

Ion Ratio Lower Upper

152 100

150 159.4 124.6 186.8

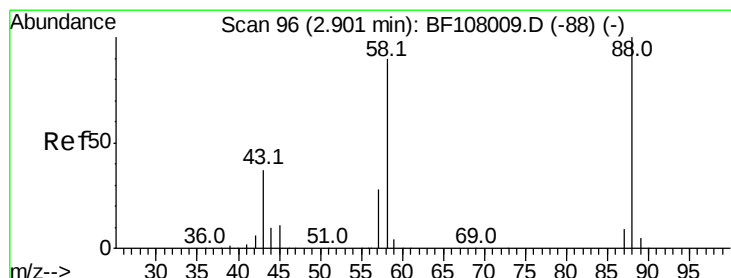
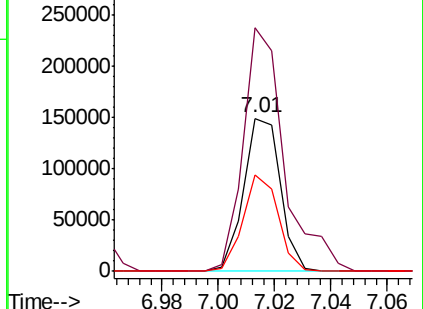
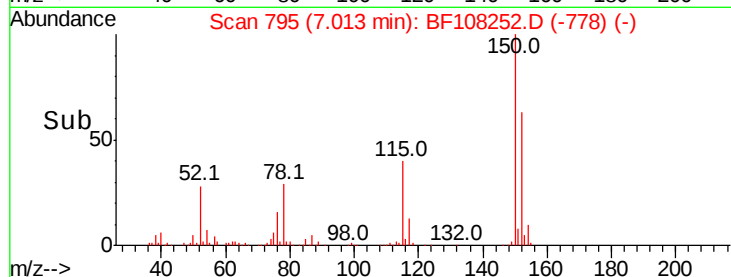
115 63.2 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 22.916 ng

RT: 2.89 min Scan# 94

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

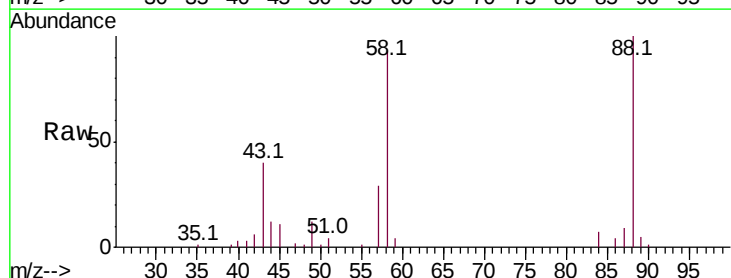
Tgt Ion: 88 Resp: 87736

Ion Ratio Lower Upper

88 100

58 86.8 62.6 93.8

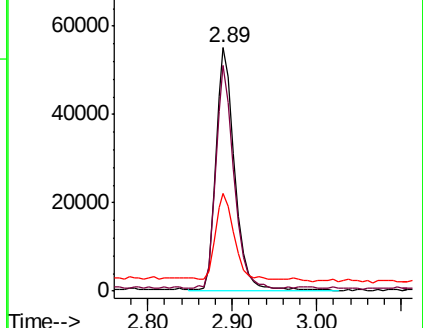
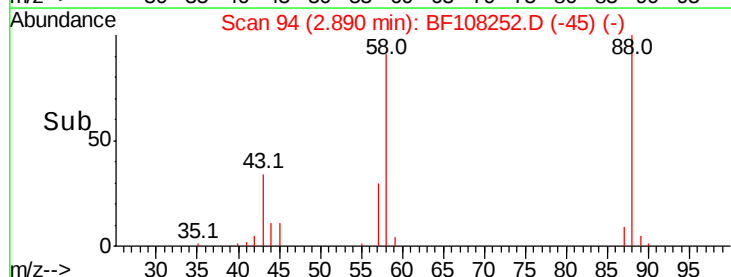
43 35.1 24.6 37.0

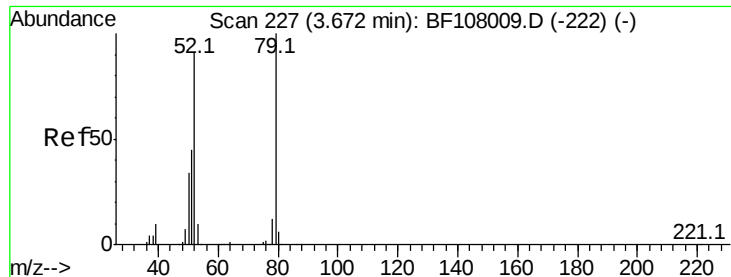


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 25.218 ng

RT: 3.68 min Scan# 228

Delta R.T. 0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

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ClientSampleId :

RA-081318-FL-020MSD

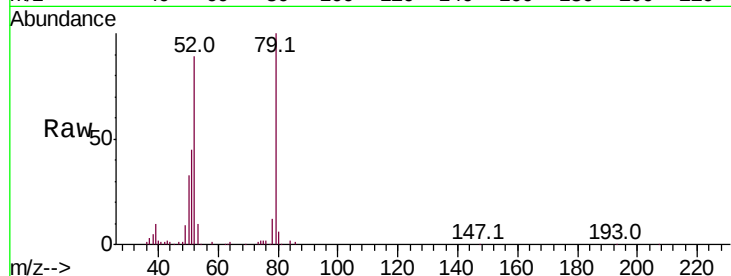
Tot Ion: 79 Resp: 248709

Ion Ratio Lower Upper

79 100

52 89.1 59.8 89.6

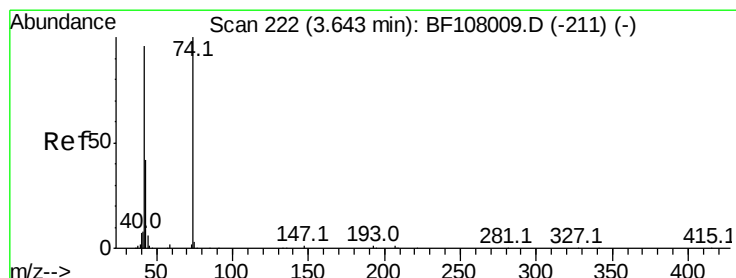
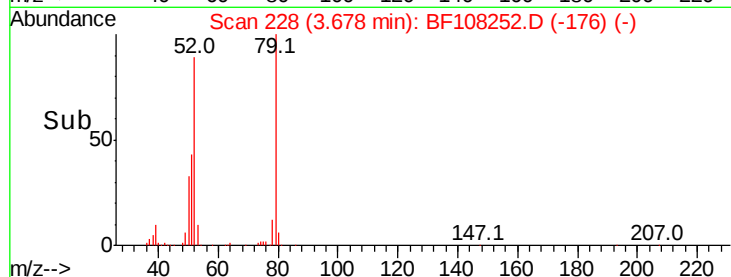
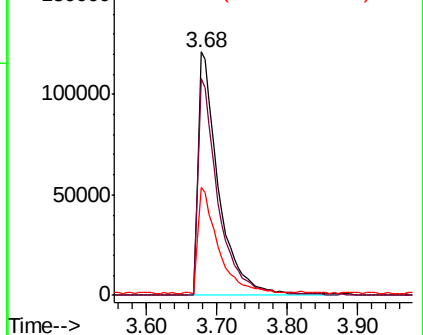
51 44.6 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 25.844 ng

RT: 3.63 min Scan# 220

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

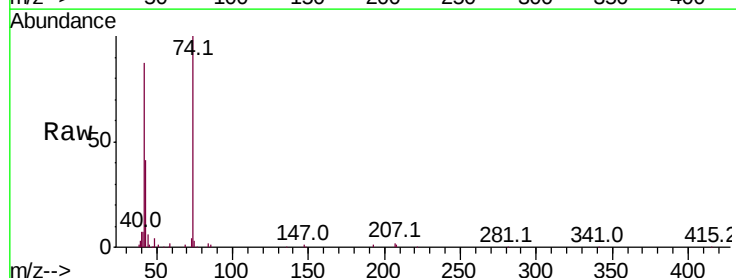
Tgt Ion: 42 Resp: 143423

Ion Ratio Lower Upper

42 100

74 114.9 104.9 157.3

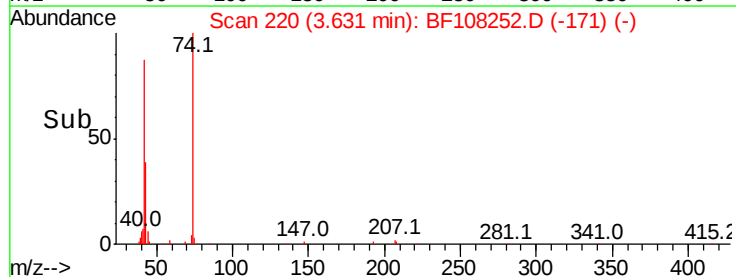
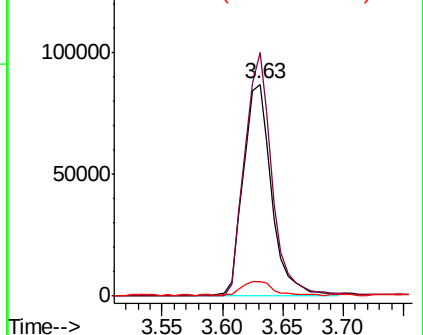
44 6.8 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 101.226 ng

RT: 5.64 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

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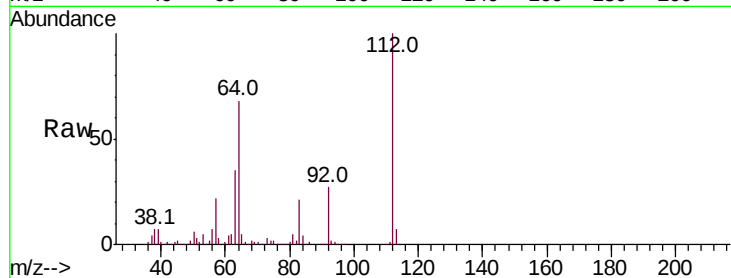
Tot Ion:112 Resp: 754234

Ion Ratio Lower Upper

112 100

64 68.4 47.9 71.9

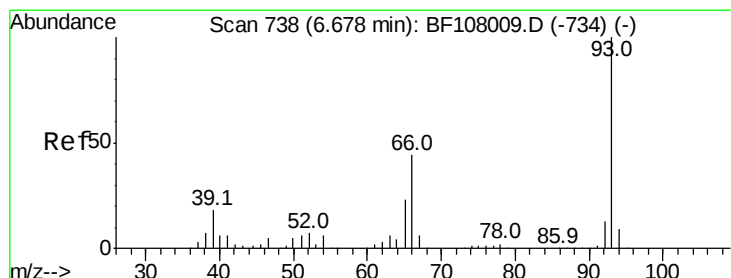
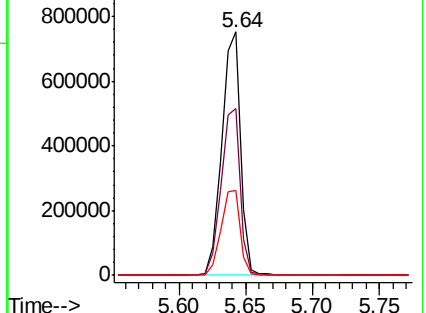
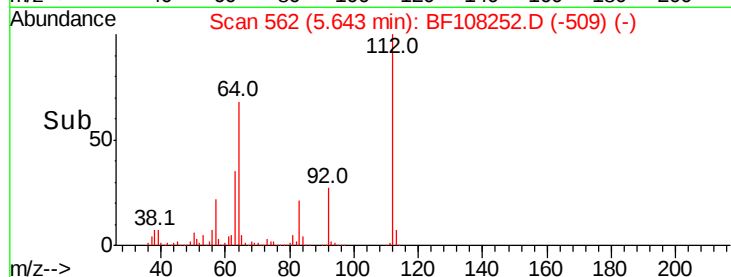
63 35.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.004 ng

RT: 6.68 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

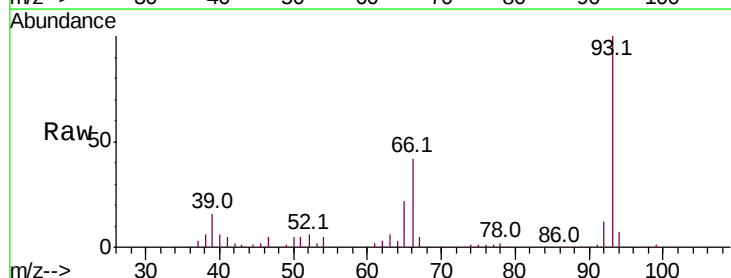
Tgt Ion: 93 Resp: 350218

Ion Ratio Lower Upper

93 100

66 42.0 32.2 48.2

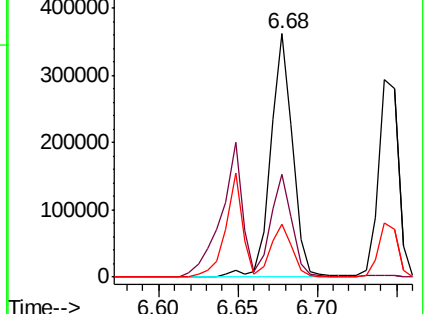
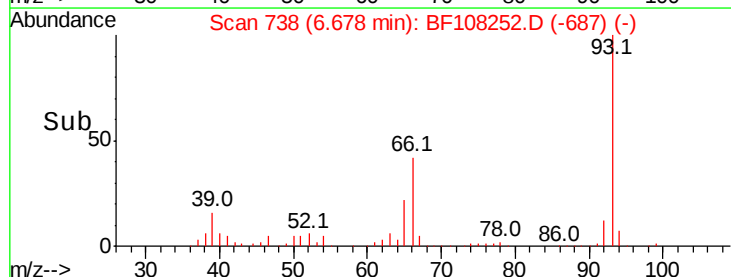
65 21.8 16.4 24.6

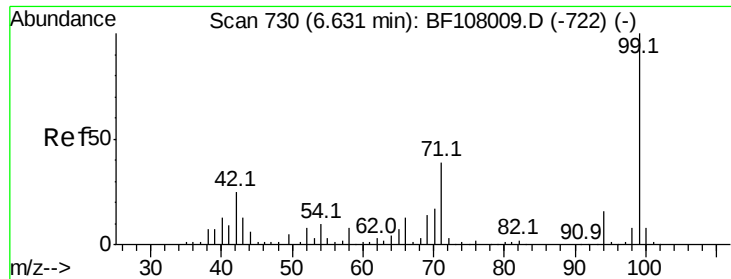


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 101.064 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

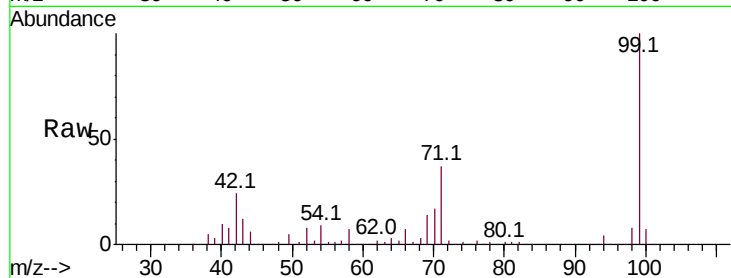
BNA_F

ClientSampleId :

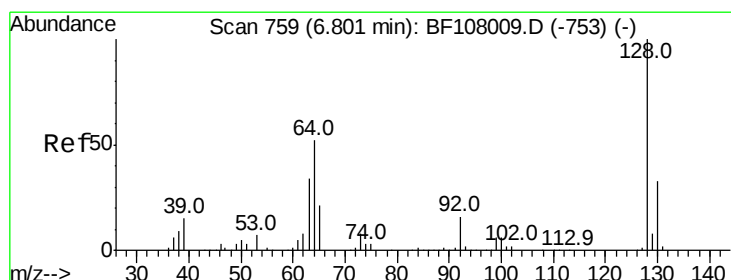
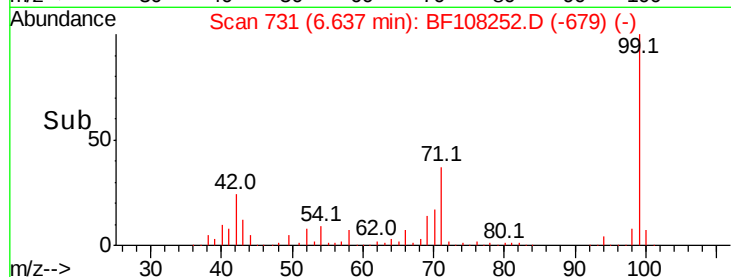
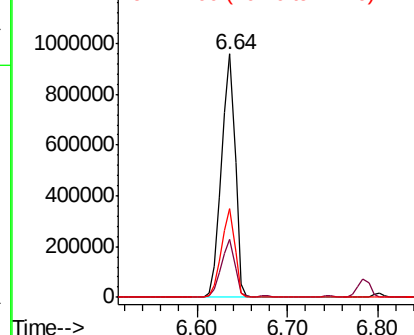
RA-081318-FL-020MSD

Tot Ion: 99 Resp: 1000670

Ion	Ratio	Lower	Upper
99	100		
42	23.7	14.5	21.7#
71	36.7	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 31.239 ng

RT: 6.80 min Scan# 759

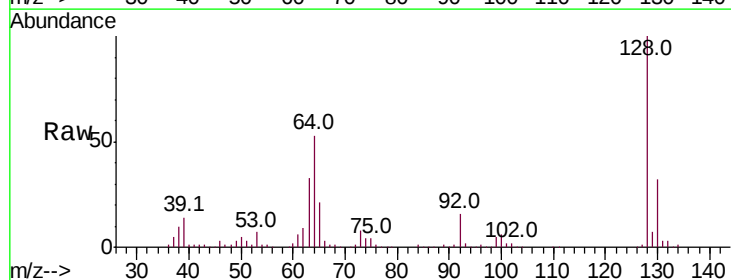
Delta R.T. 0.00 min

Lab File: BF108252.D

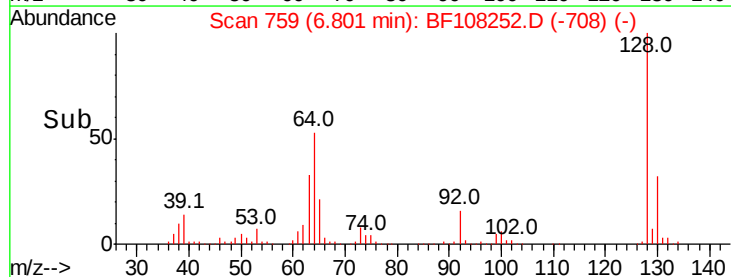
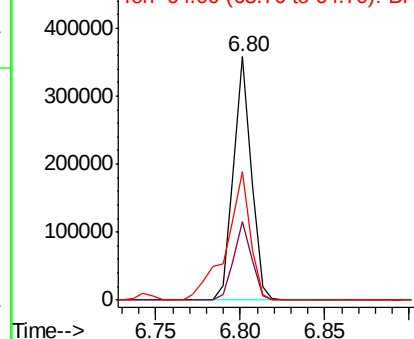
Acq: 17 Aug 2018 19:23

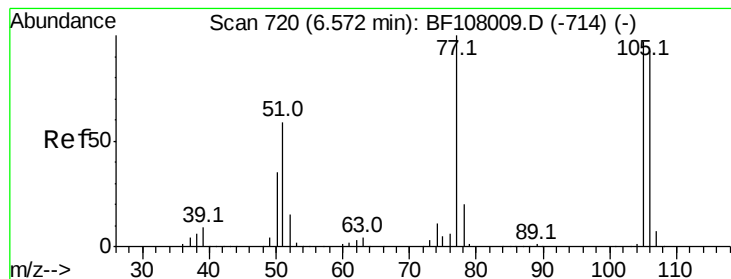
Tgt Ion:128 Resp: 262153

Ion	Ratio	Lower	Upper
128	100		
130	32.2	13.0	53.0
64	52.7	29.4	69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 19.719 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

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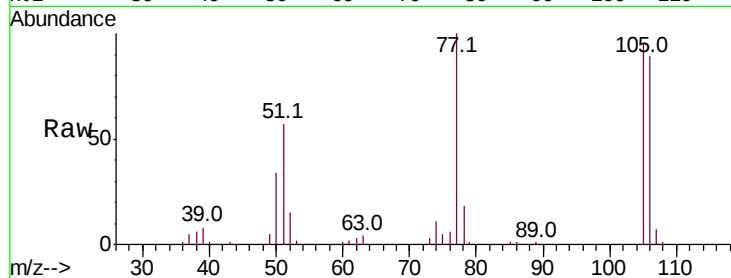
Tot Ion: 77 Resp: 151378

Ion Ratio Lower Upper

77 100

105 94.7 81.1 121.1

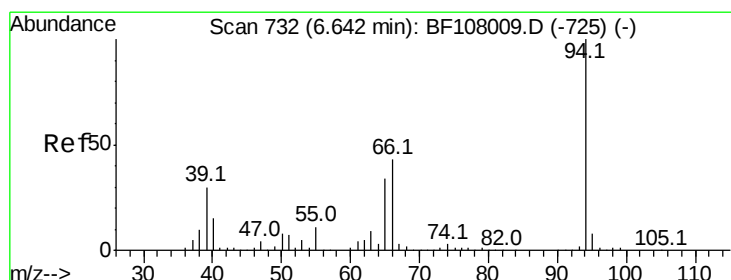
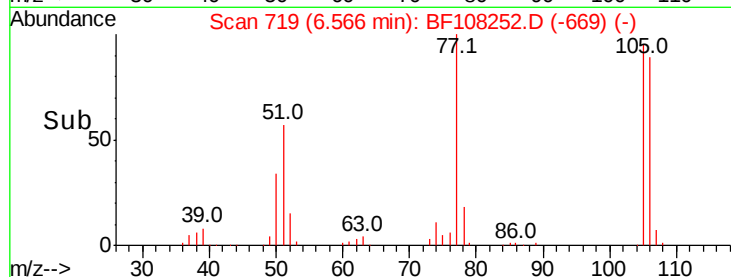
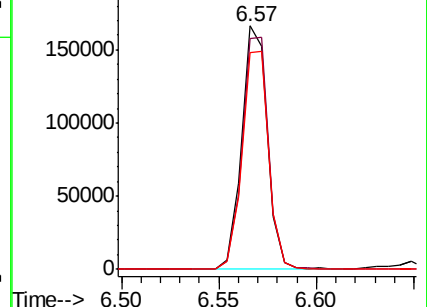
106 88.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 32.511 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

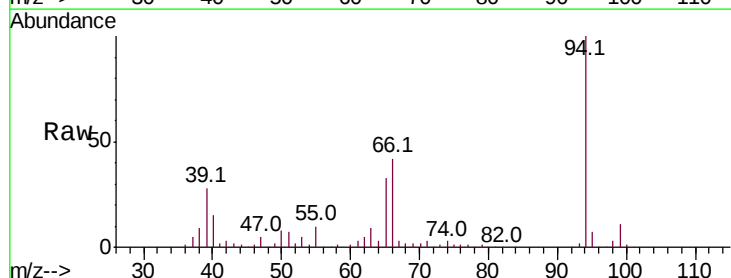
Tgt Ion: 94 Resp: 332974

Ion Ratio Lower Upper

94 100

65 32.6 7.9 47.9

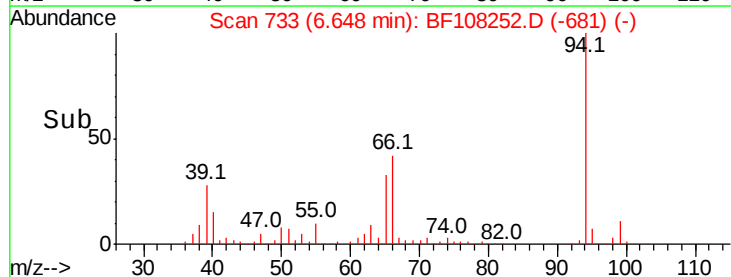
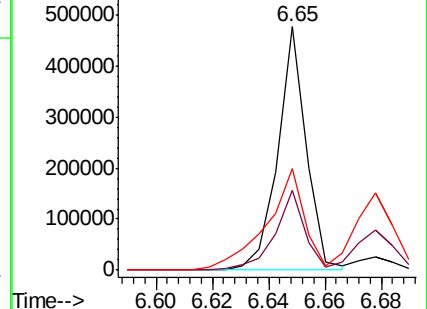
66 41.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

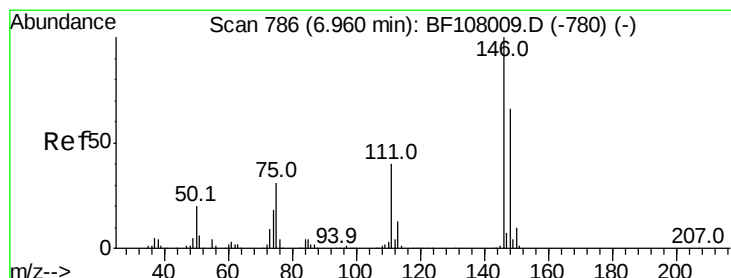
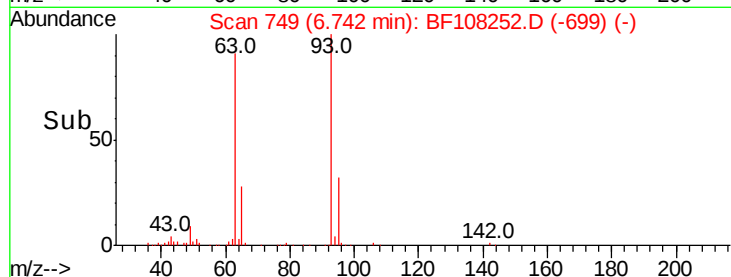
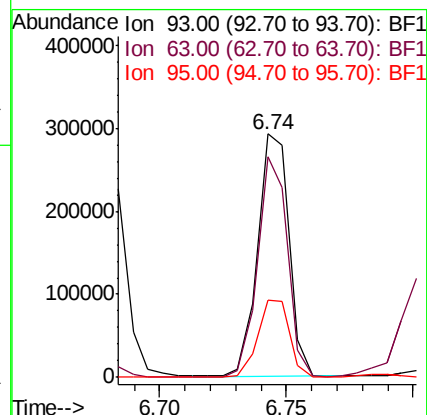
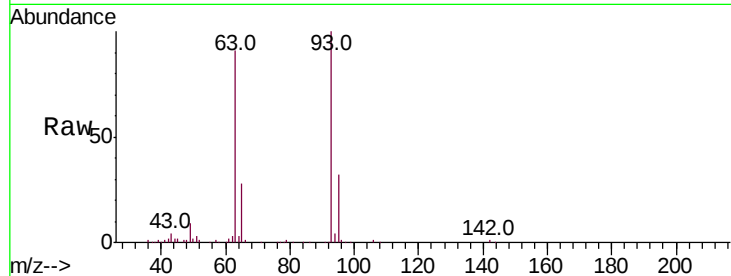




#11
bis(2-Chloroethyl)ether
Concen: 30.440 ng
RT: 6.74 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

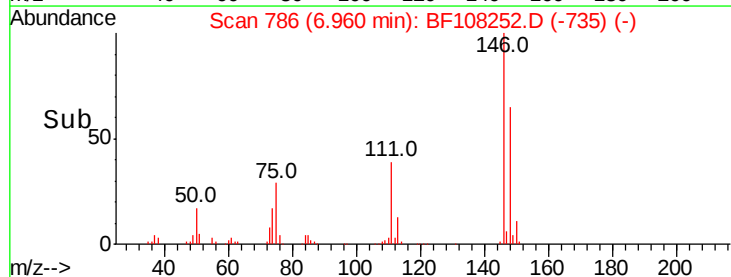
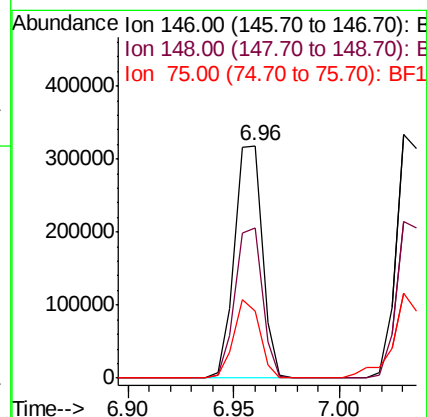
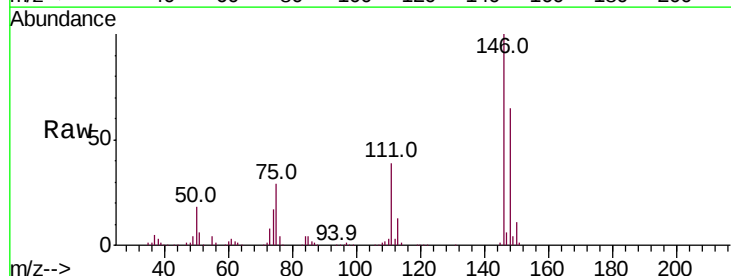
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion: 93 Resp: 252042
Ion Ratio Lower Upper
93 100
63 90.7 58.6 98.6
95 31.8 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 29.791 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion: 146 Resp: 289069
Ion Ratio Lower Upper
146 100
148 64.9 51.8 77.8
75 28.7 24.2 36.4

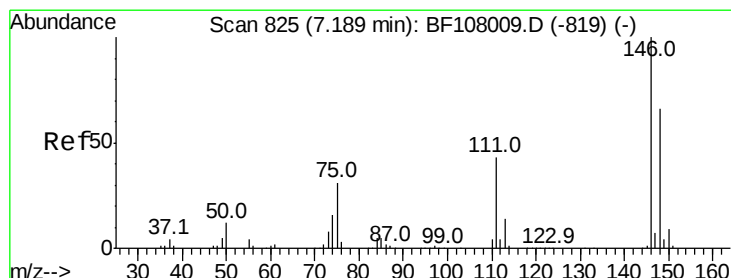
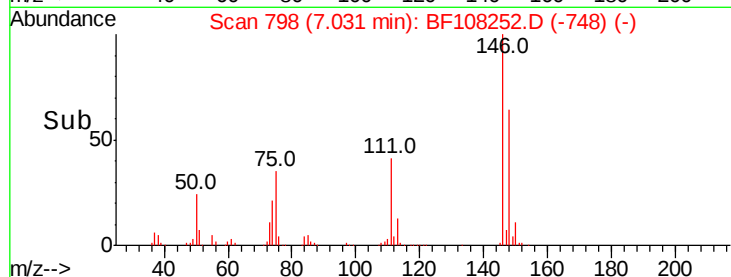
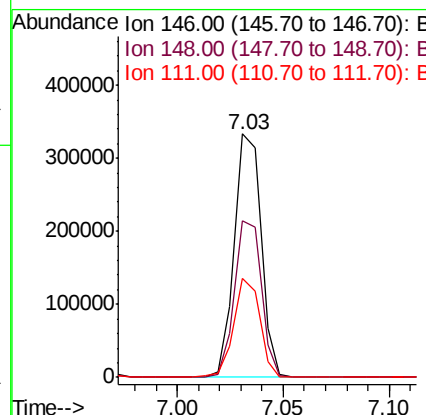
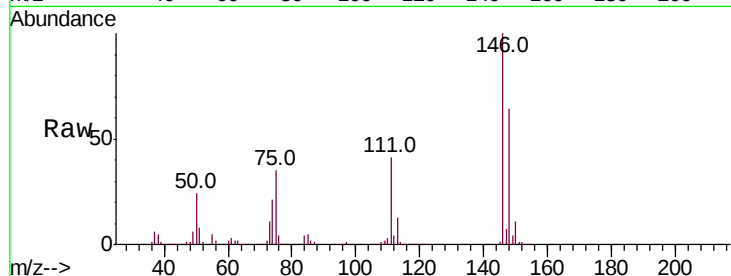




#13
 1,4-Dichlorobenzene
 Concen: 29.894 ng
 RT: 7.03 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

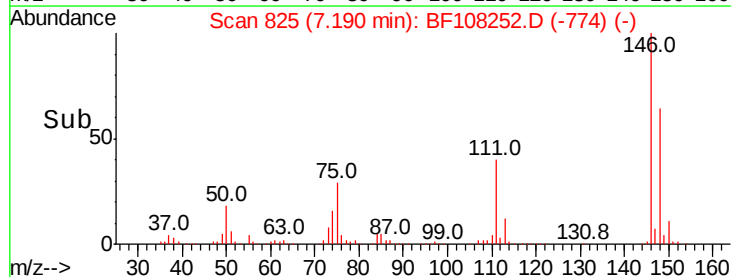
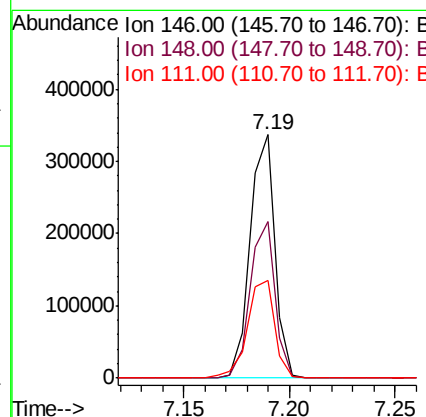
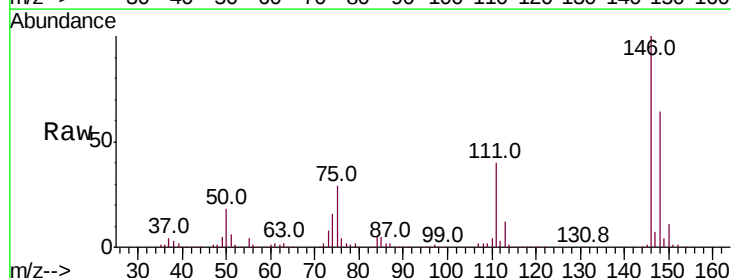
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

Tot Ion:146 Resp: 291438
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.8 76.2
 111 40.7 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 30.347 ng
 RT: 7.19 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion:146 Resp: 275192
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.6 75.8
 111 40.2 36.0 54.0





#15

Benzyl Alcohol

Concen: 29.885 ng

RT: 7.15 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

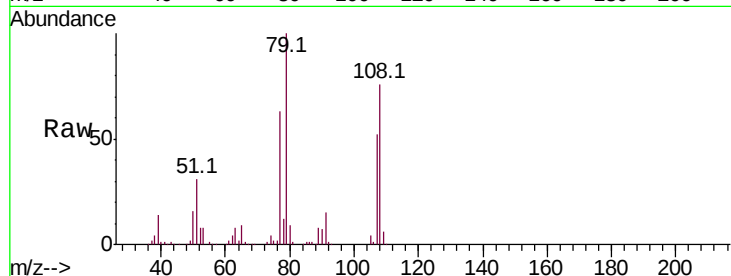
Tot Ion: 79 Resp: 249108

Ion Ratio Lower Upper

79 100

108 76.4 65.1 97.7

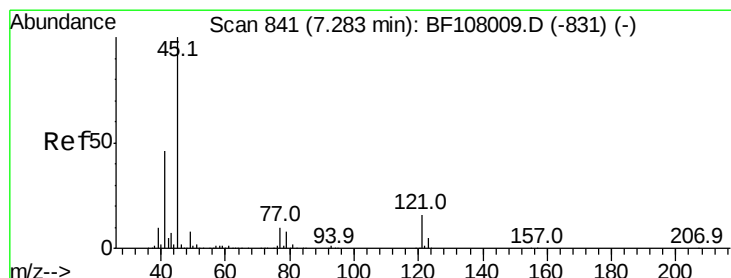
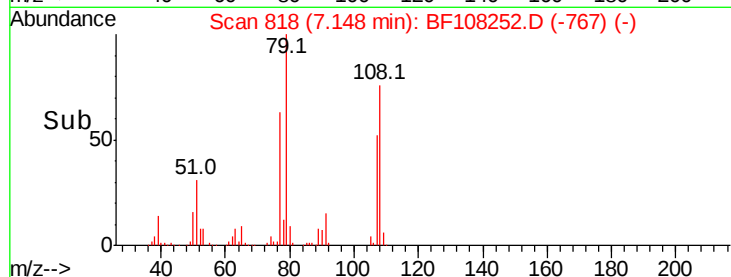
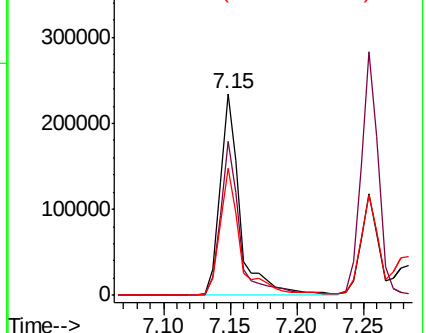
77 63.2 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 28.903 ng

RT: 7.28 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

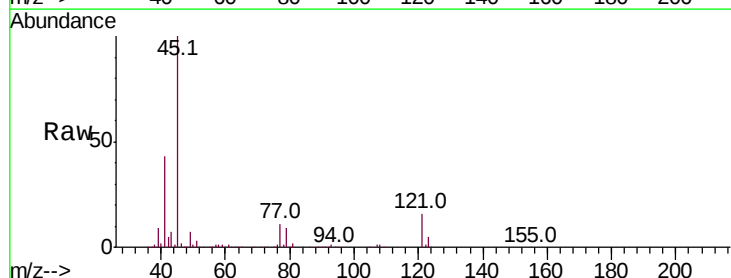
Tgt Ion: 45 Resp: 493012

Ion Ratio Lower Upper

45 100

77 11.5 0.0 32.9

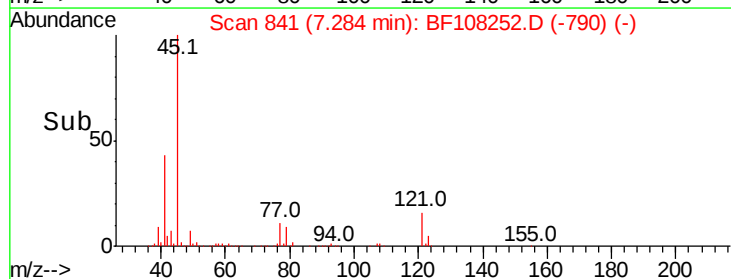
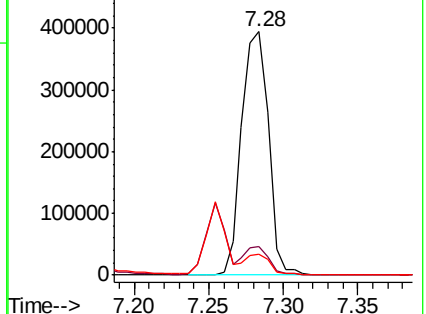
79 8.7 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

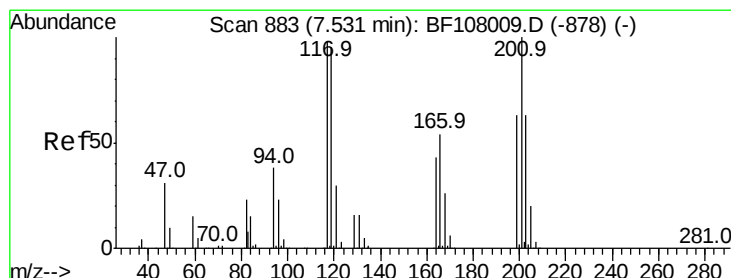
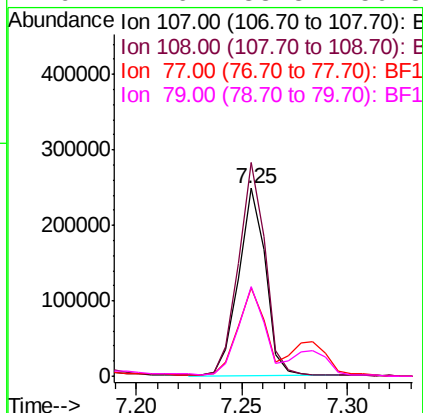
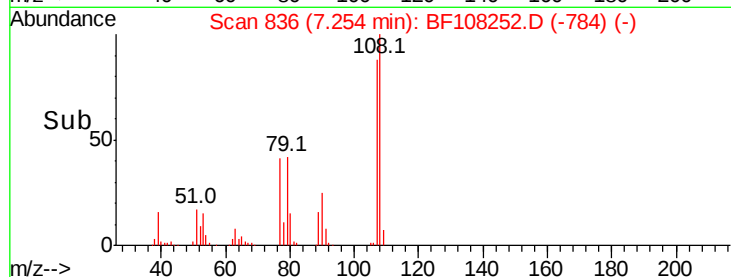
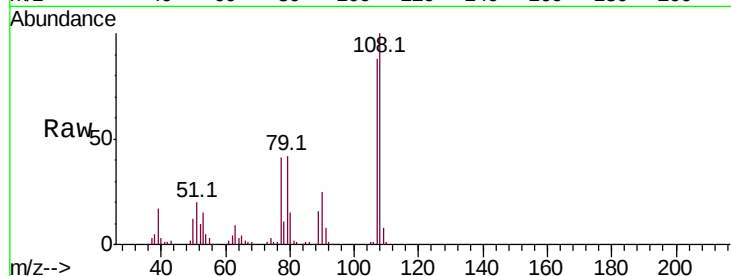




#17
2-Methylphenol
Concen: 30.449 ng
RT: 7.25 min Scan# 836
Delta R.T. 0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

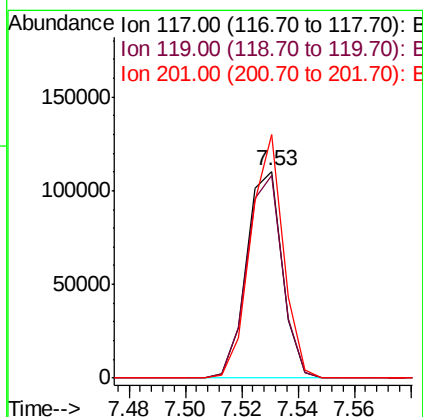
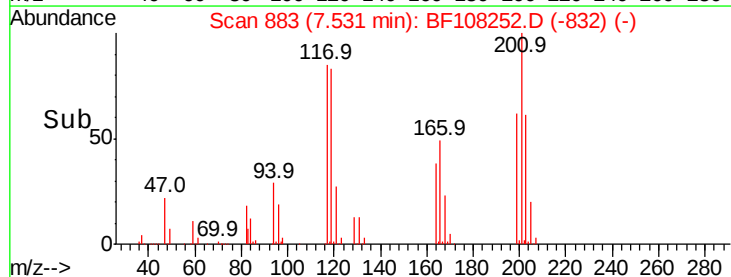
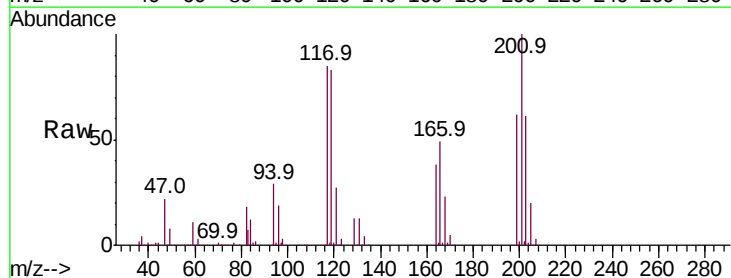
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

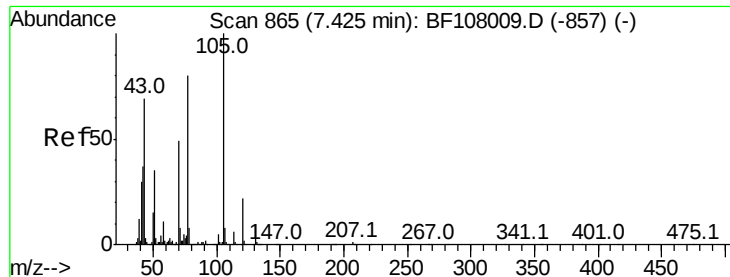
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.7	137.5
77	47.0	33.8	50.8
79	47.6	33.8	50.8



#18
Hexachloroethane
Concen: 27.991 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.8
201	117.5	75.7	113.5#

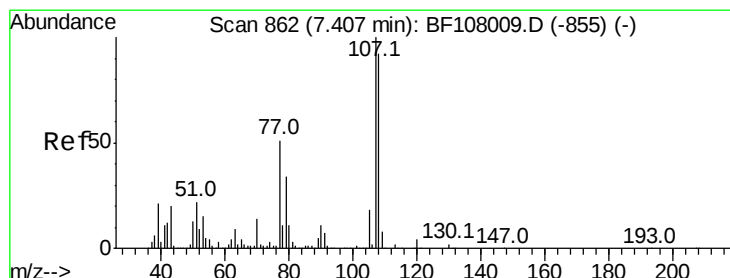
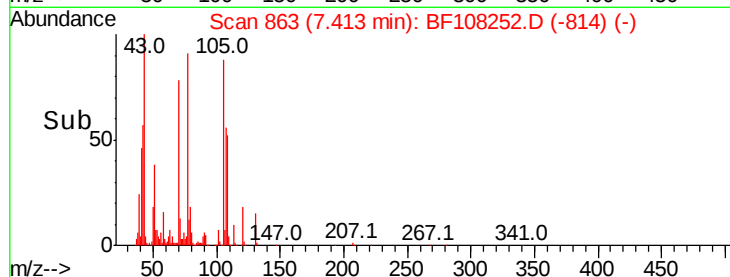
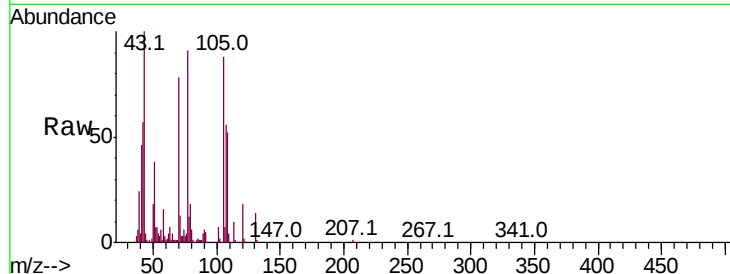
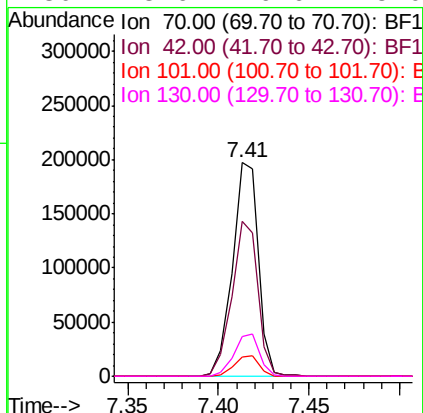




#19
n-Nitroso-di-n-propylamine
Concen: 29.256 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

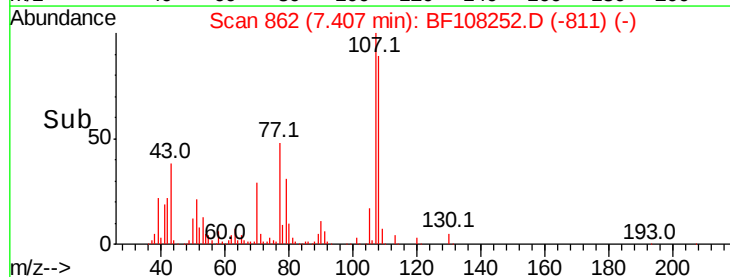
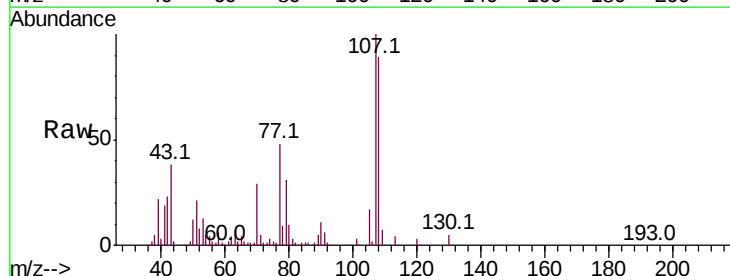
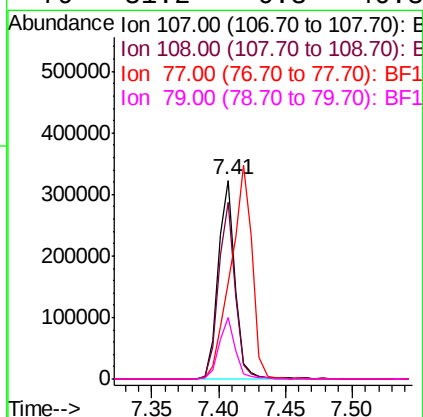
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

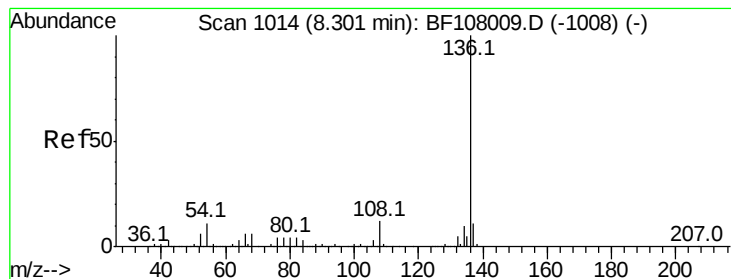
Tot Ion:	70	Resp:	195889
Ion	Ratio	Lower	Upper
70	100		
42	72.8	47.5	71.3#
101	8.9	7.4	11.2
130	18.6	16.6	25.0



#20
3+4-Methylphenols
Concen: 31.157 ng
RT: 7.41 min Scan# 862
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion:	107	Resp:	287334
Ion	Ratio	Lower	Upper
107	100		
108	89.1	68.2	108.2
77	48.1	26.7	66.7
79	31.2	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

Tot Ion:136 Resp: 518328

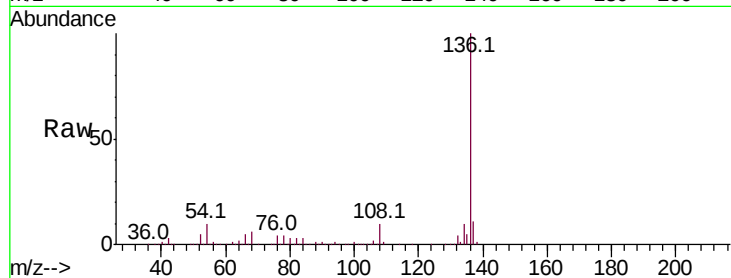
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 5.8 5.0 7.4

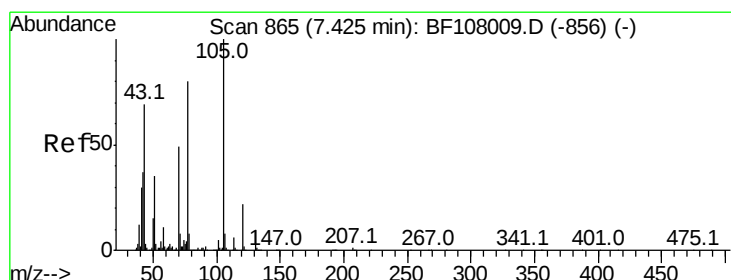
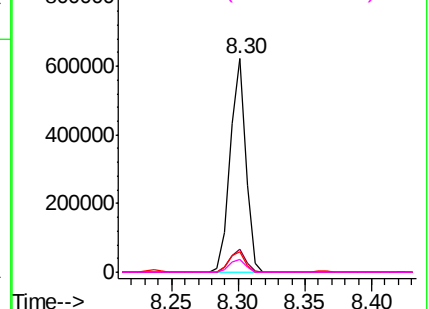
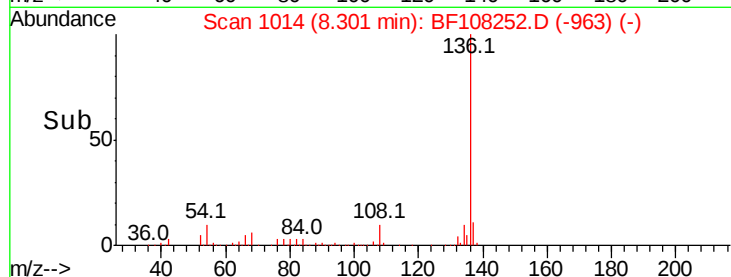


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.611 ng

RT: 7.42 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Tgt Ion:105 Resp: 383119

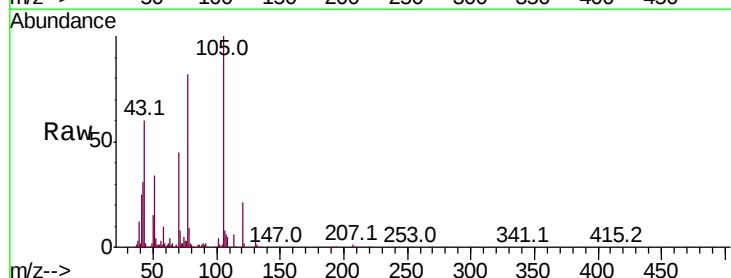
Ion Ratio Lower Upper

105 100

71 7.5 4.4 6.6#

51 34.3 22.3 33.5#

120 20.9 16.9 25.3

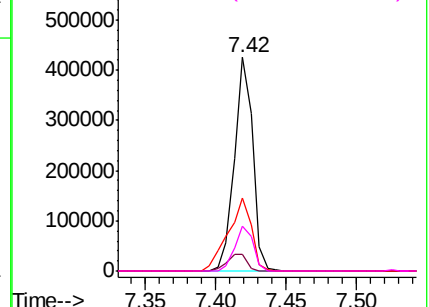
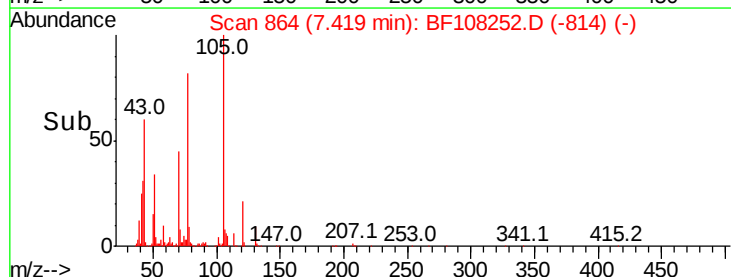


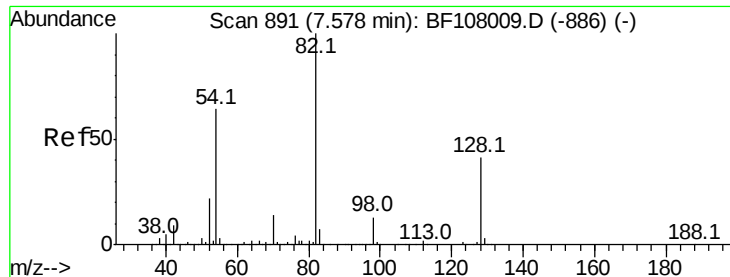
Abundance Ion 105.00 (104.70 to 105.70): E

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

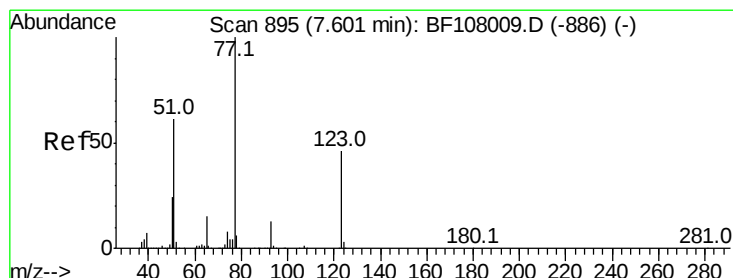
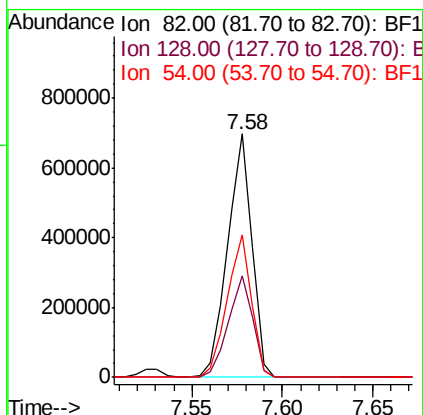
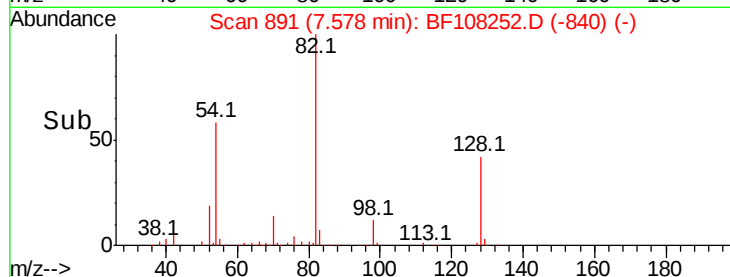
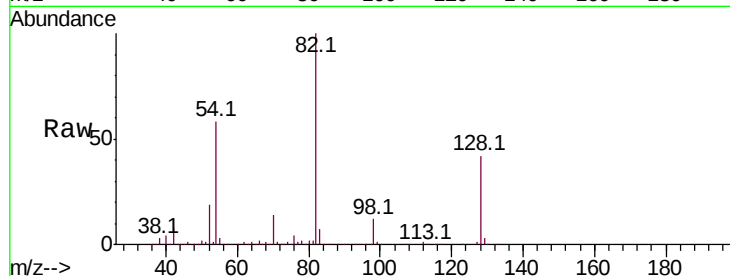




#23
Nitrobenzene-d5
Concen: 70.294 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

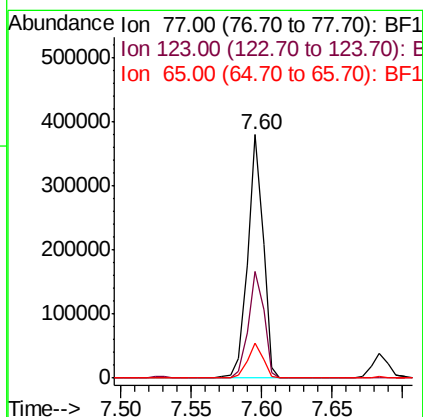
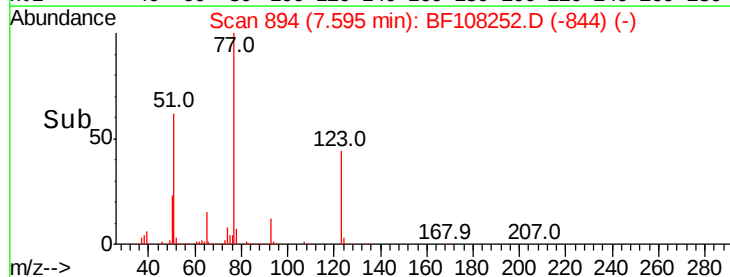
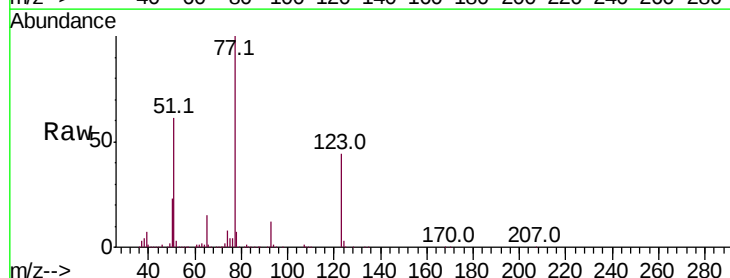
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

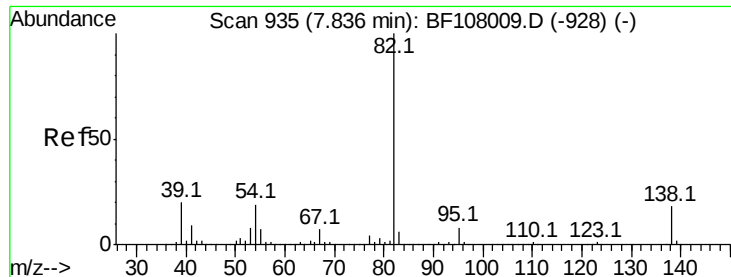
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	58.4	41.4	62.2



#24
Nitrobenzene
Concen: 30.896 ng
RT: 7.60 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.7	37.9	56.9
65	14.5	11.0	16.4





#25

Isophorone

Concen: 30.122 ng

RT: 7.83 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

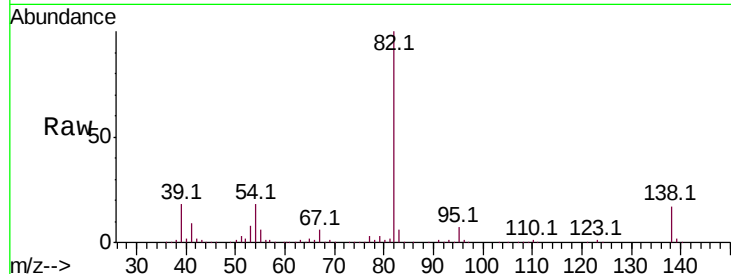
Tot Ion: 82 Resp: 533299

Ion Ratio Lower Upper

82 100

95 7.1 5.2 7.8

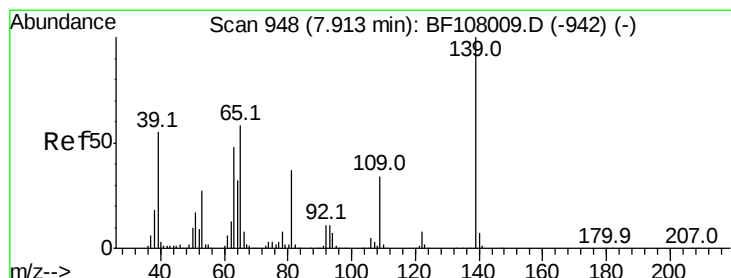
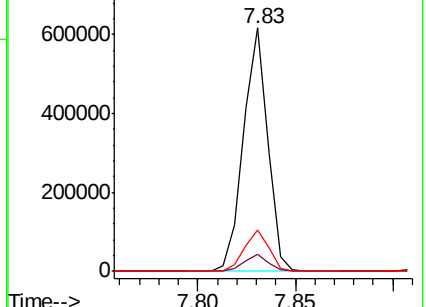
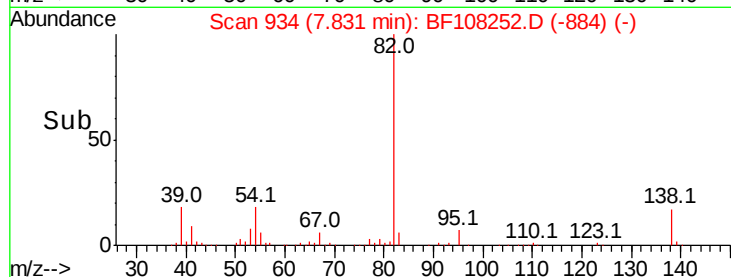
138 17.0 14.9 22.3



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: 33.472 ng

RT: 7.91 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

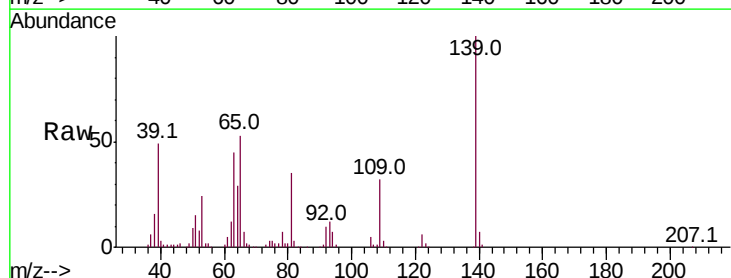
Tgt Ion: 139 Resp: 118732

Ion Ratio Lower Upper

139 100

109 32.3 22.7 34.1

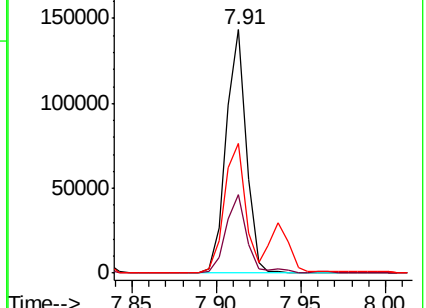
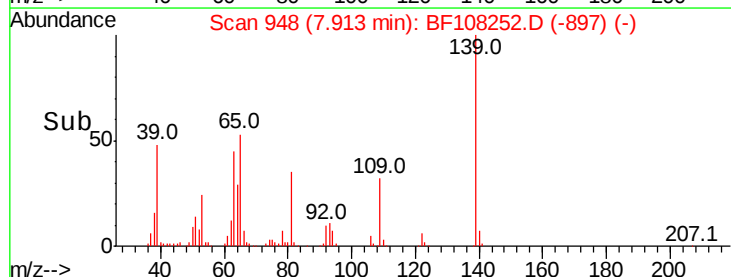
65 53.3 40.5 60.7

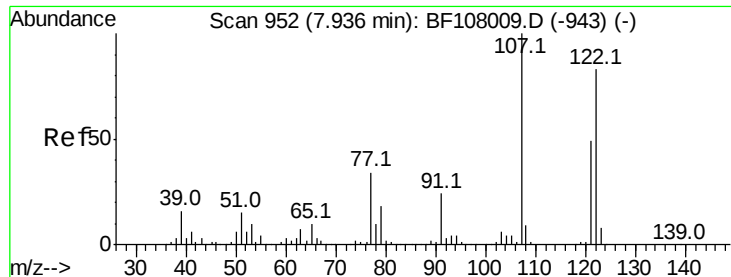


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

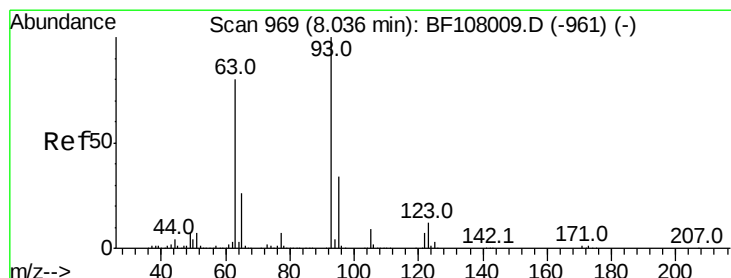
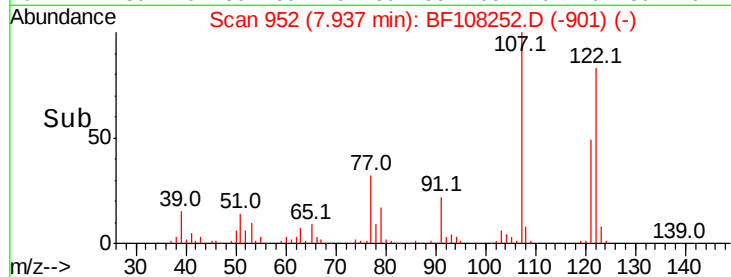
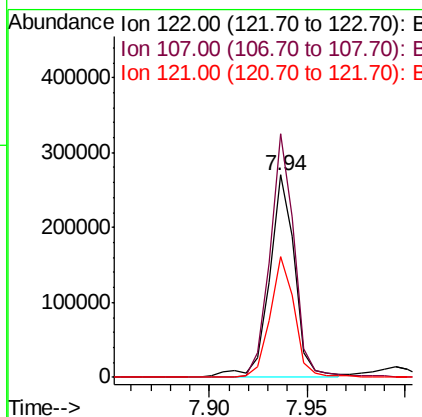
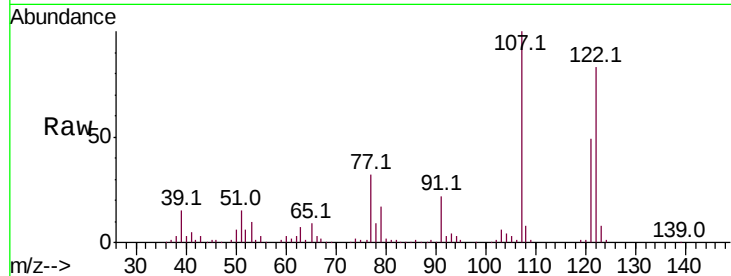




#27
 2,4-Dimethylphenol
 Concen: 30.879 ng
 RT: 7.94 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

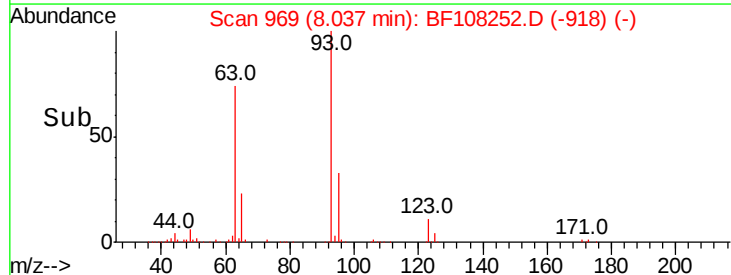
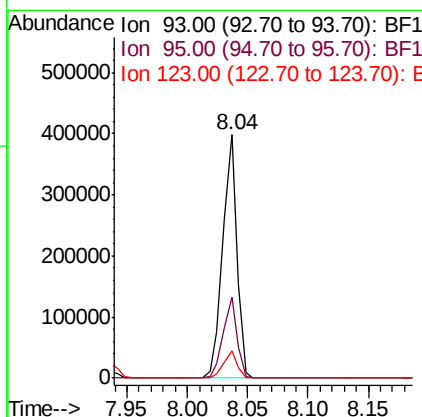
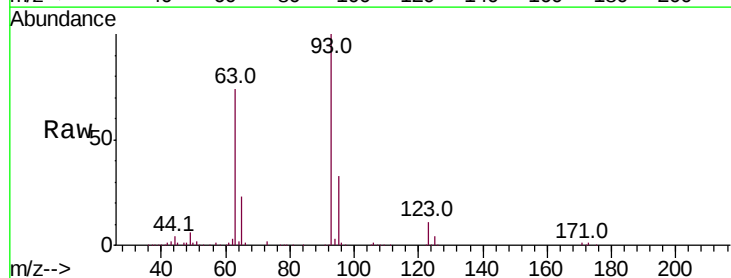
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

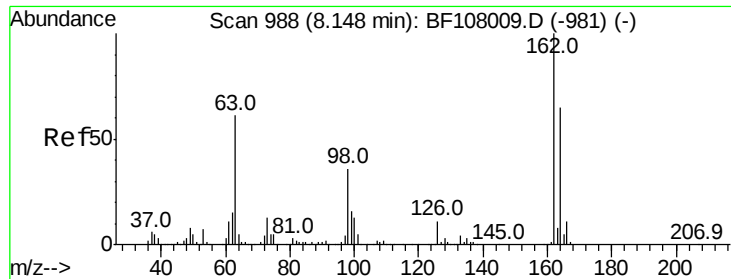
Tot Ion:122 Resp: 242646
 Ion Ratio Lower Upper
 122 100
 107 120.3 91.2 136.8
 121 59.4 47.2 70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 31.283 ng
 RT: 8.04 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion: 93 Resp: 323330
 Ion Ratio Lower Upper
 93 100
 95 33.4 26.3 39.5
 123 11.1 9.8 14.6

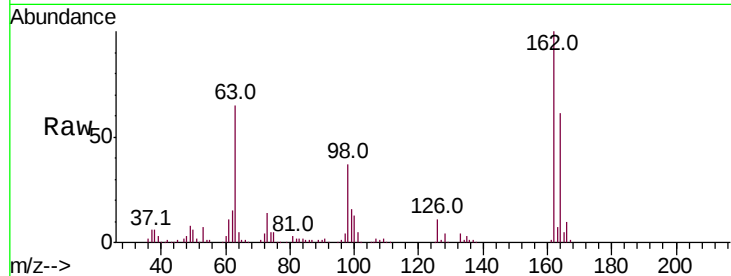




#29
2,4-Dichlorophenol
Concen: 32.482 ng
RT: 8.15 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.2	42.7	82.7
98	37.1	18.1	58.1

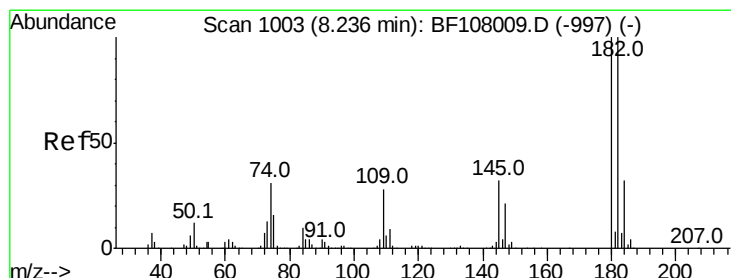
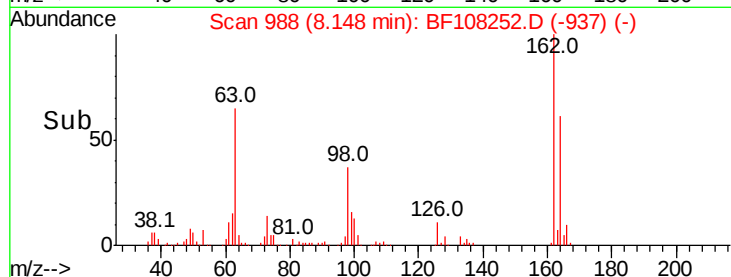
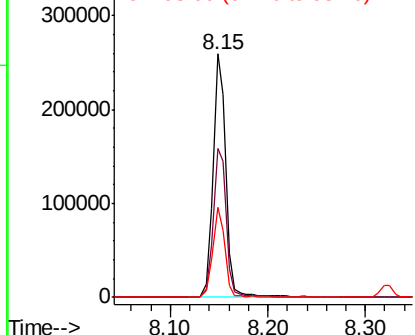


Abundance

Ion 162.00 (161.70 to 162.70): E

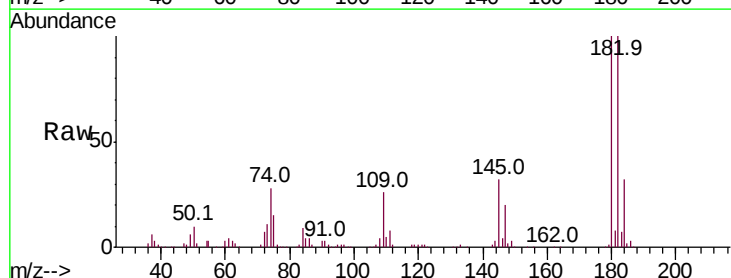
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 30.489 ng
RT: 8.24 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.8	115.2
145	32.2	26.5	39.7

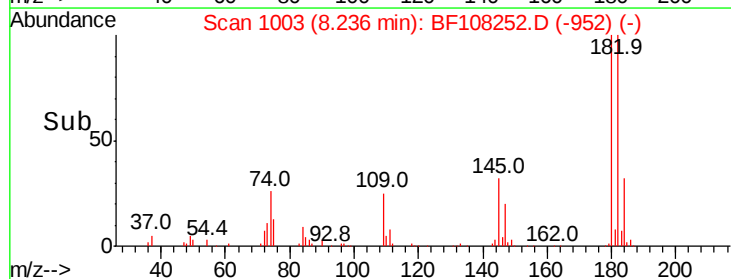
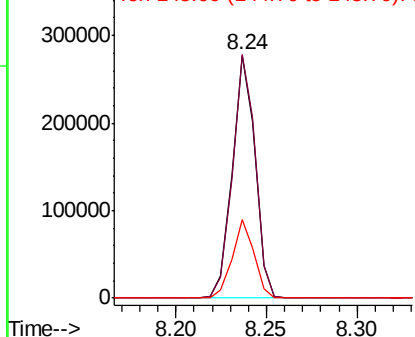


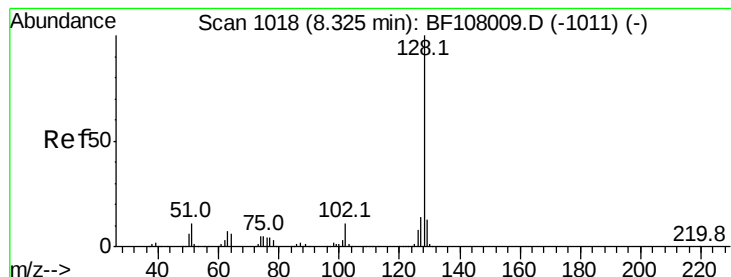
Abundance

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: 32.325 ng

RT: 8.32 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

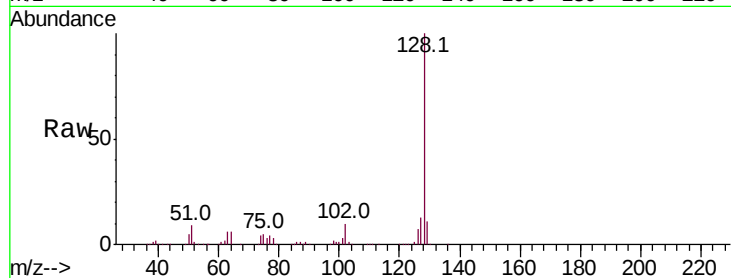
Tot Ion:128 Resp: 761979

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

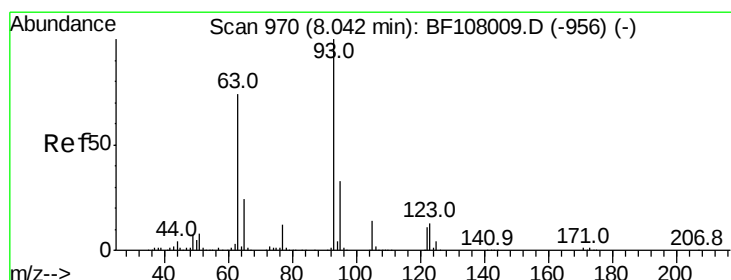
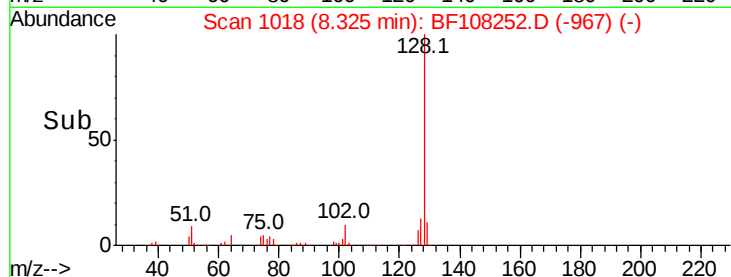
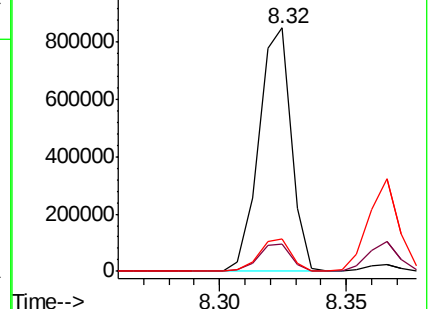
127 13.3 10.9 16.3



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: 10.270 ng

RT: 8.00 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

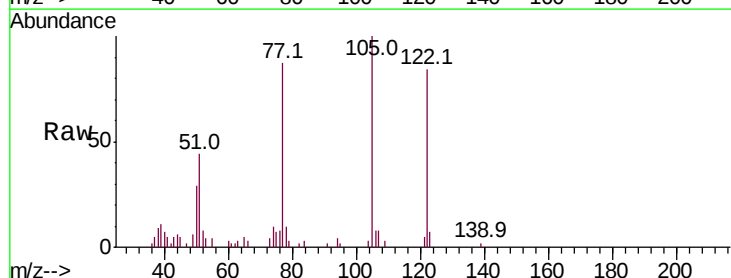
Tgt Ion:122 Resp: 22371

Ion Ratio Lower Upper

122 100

105 118.5 101.1 141.1

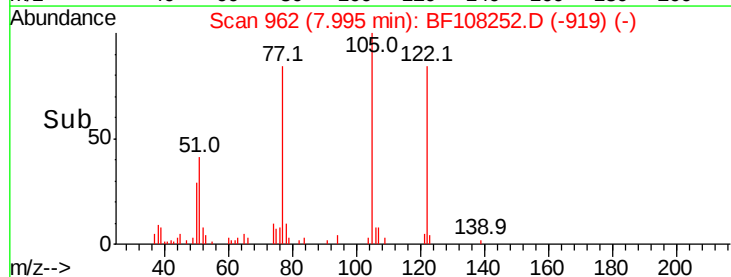
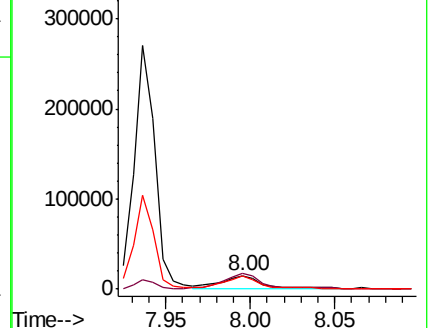
77 103.4 70.7 110.7

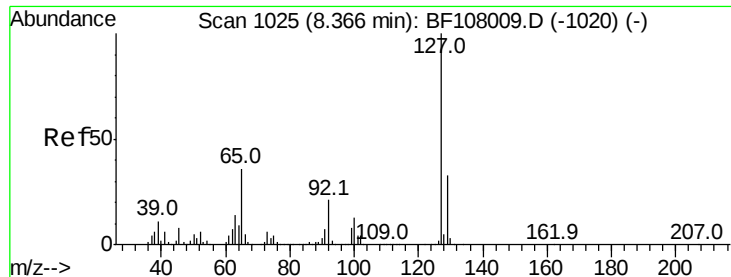


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

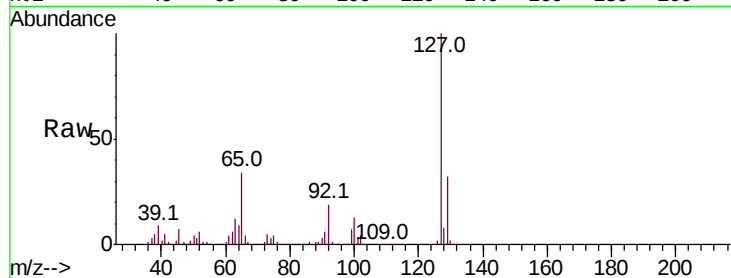




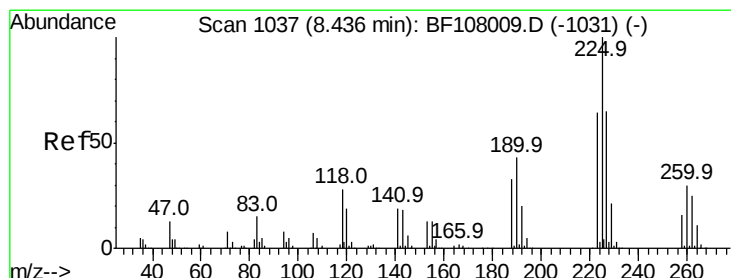
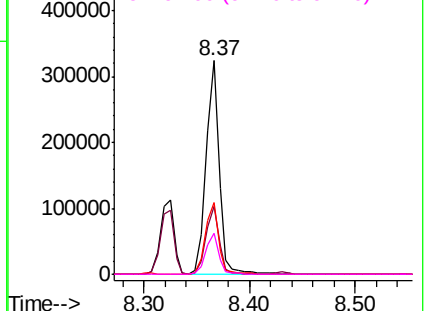
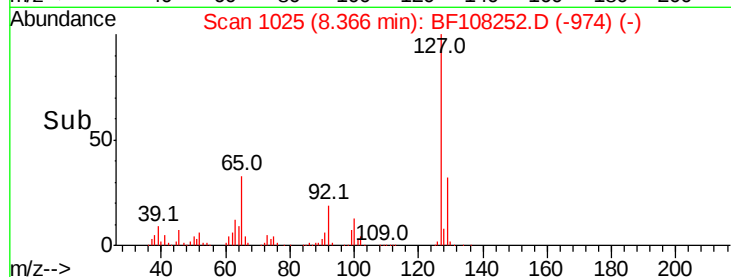
#33
4-Chloroaniline
Concen: 27.174 ng
RT: 8.37 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion:	127	Resp:	279150
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.9	38.9
65	33.5	25.0	37.4
92	19.0	15.2	22.8

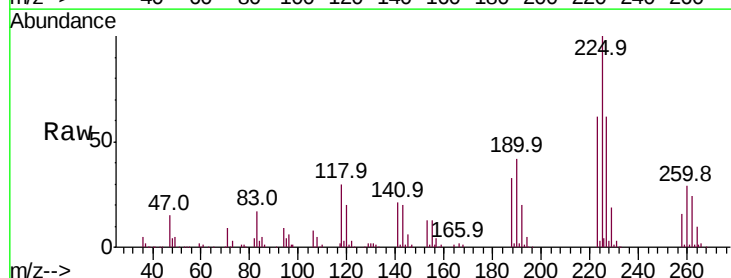


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

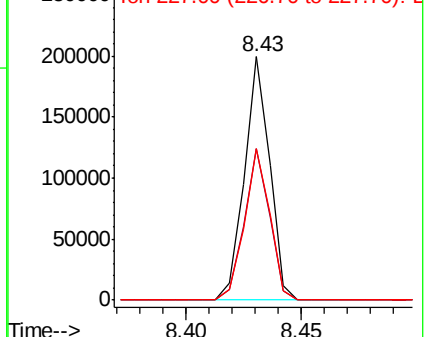
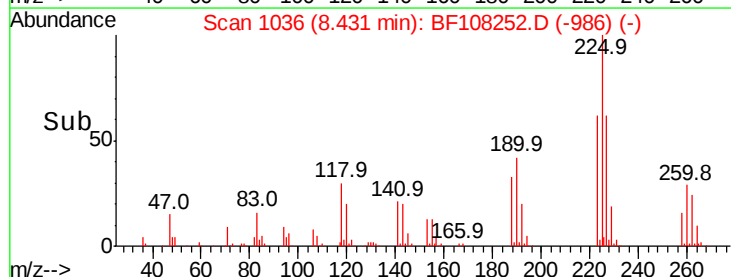


#34
Hexachlorobutadiene
Concen: 30.263 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion:	225	Resp:	152744
Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	76.0
227	62.0	51.9	77.9



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 31.548 ng

RT: 8.72 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

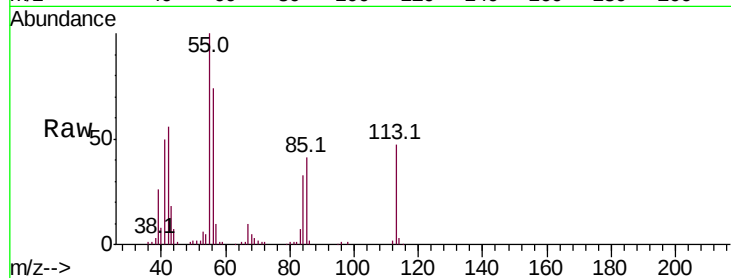
Tot Ion:113 Resp: 71492

Ion Ratio Lower Upper

113 100

55 213.6 163.3 203.3#

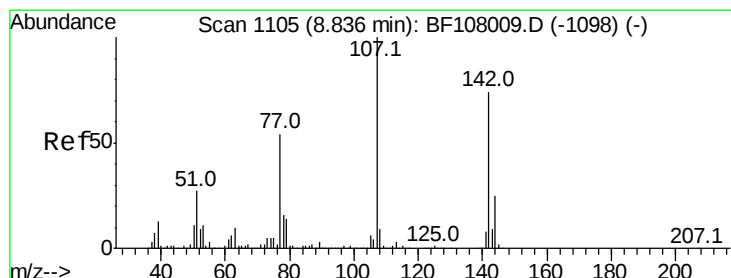
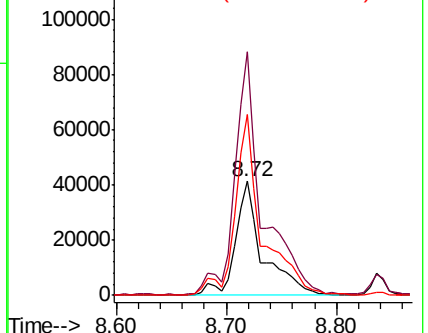
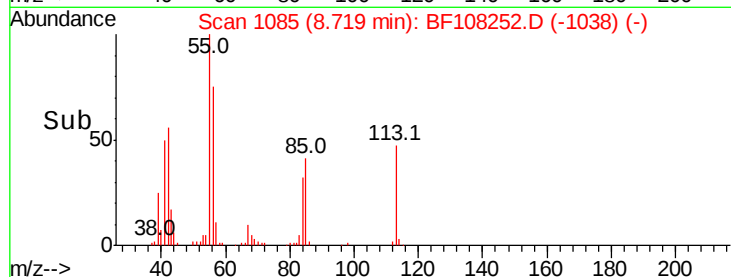
56 158.2 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 31.429 ng

RT: 8.84 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

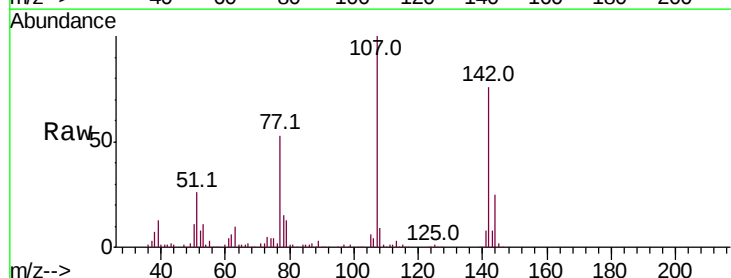
Tgt Ion:107 Resp: 245182

Ion Ratio Lower Upper

107 100

144 24.7 20.5 30.7

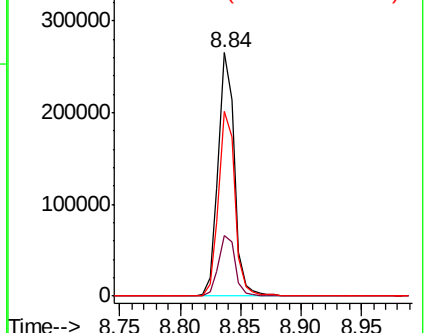
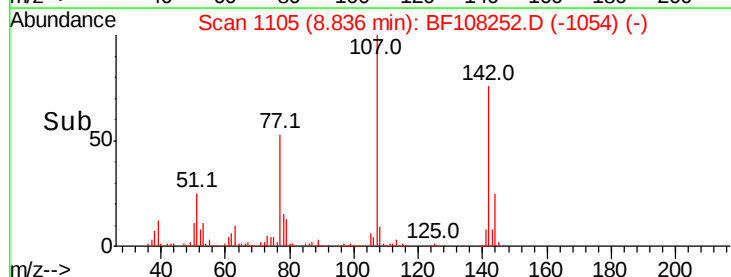
142 75.7 62.0 93.0

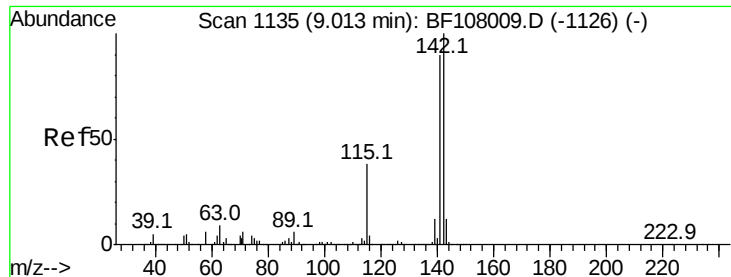


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

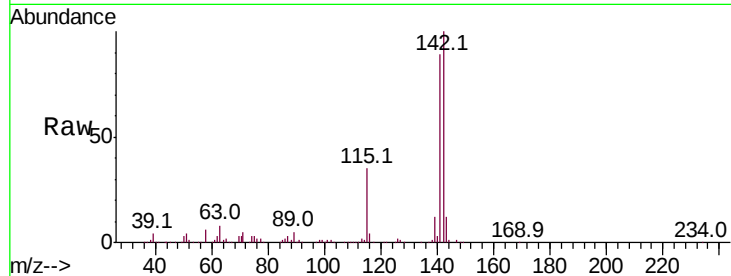




#37
2-Methylnaphthalene
Concen: 31.357 ng
RT: 9.01 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	35.3	26.1	39.1

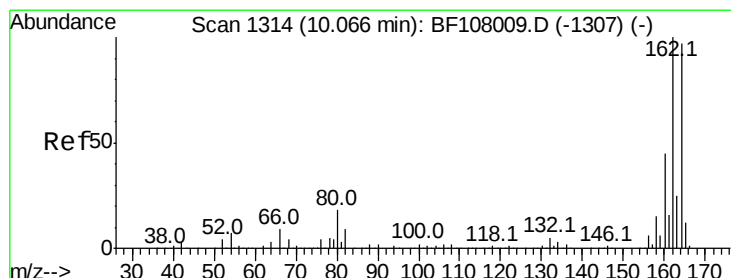
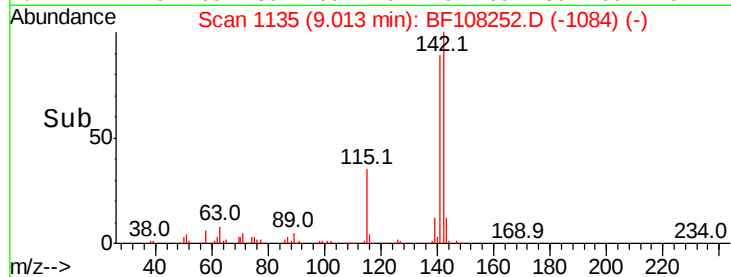
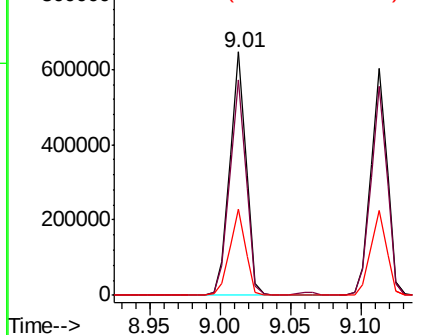


Abundance

Ion 142.00 (141.70 to 142.70): E

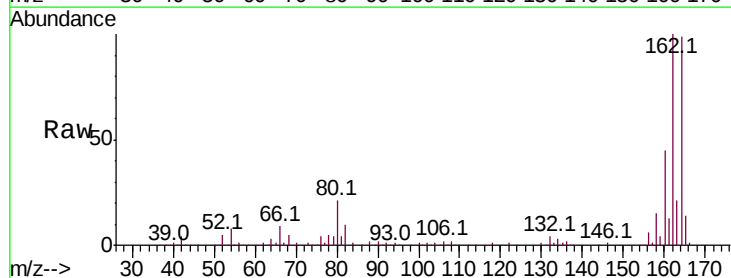
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	46.0	38.3	57.5

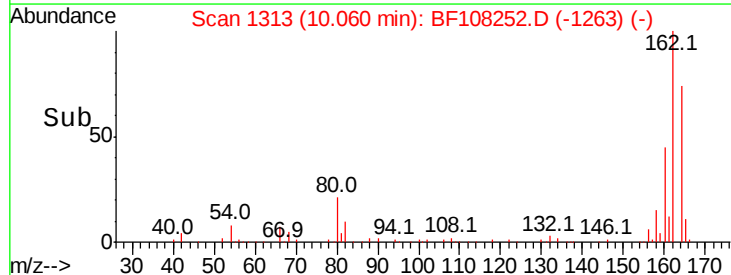
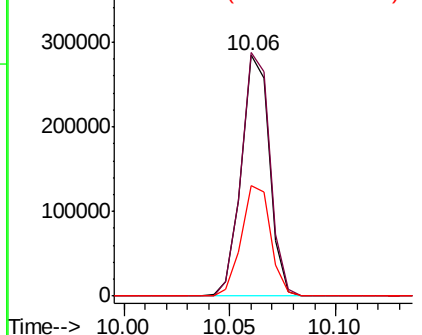


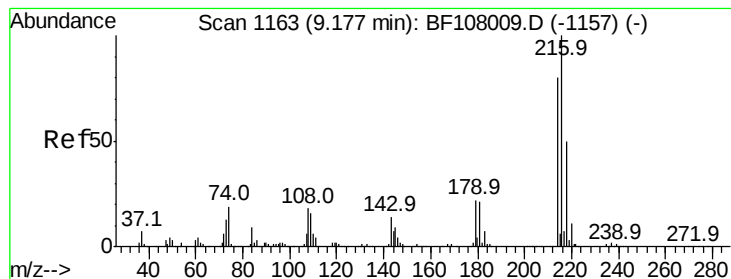
Abundance

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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 32.627 ng

RT: 9.18 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

Tot Ion:216 Resp: 263260

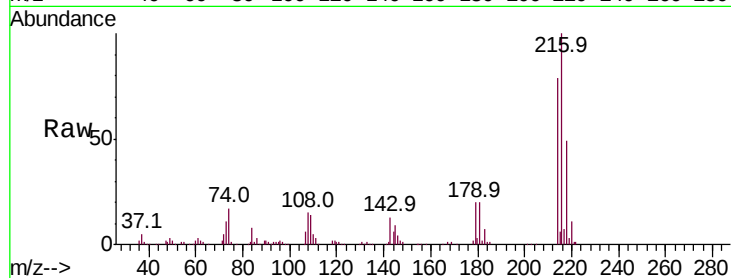
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.4

179 19.9 18.1 27.1

108 16.9 17.2 25.8#



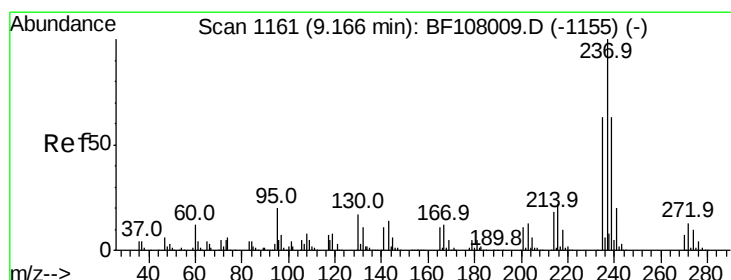
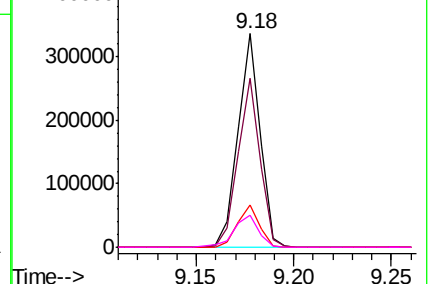
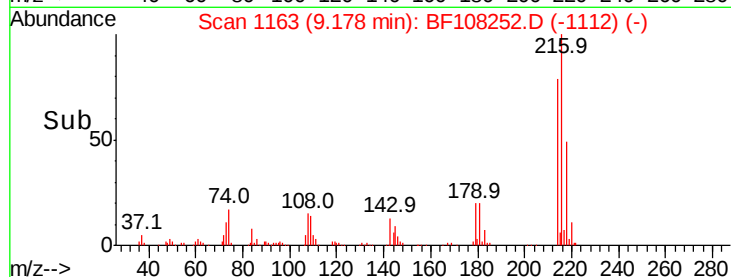
Abundance

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



#40

Hexachlorocyclopentadiene

Concen: 17.715 ng

RT: 9.16 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

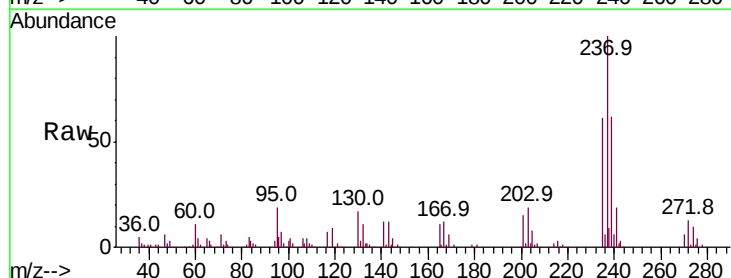
Tgt Ion:237 Resp: 92326

Ion Ratio Lower Upper

237 100

235 61.1 44.8 84.8

272 12.8 0.0 33.3

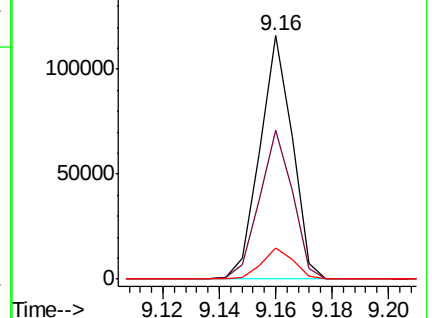
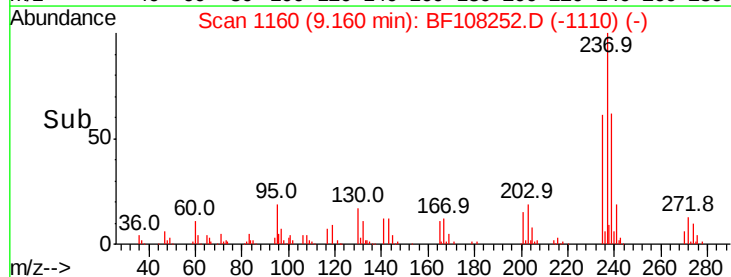


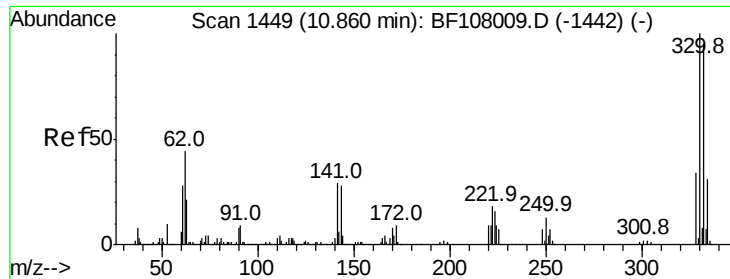
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

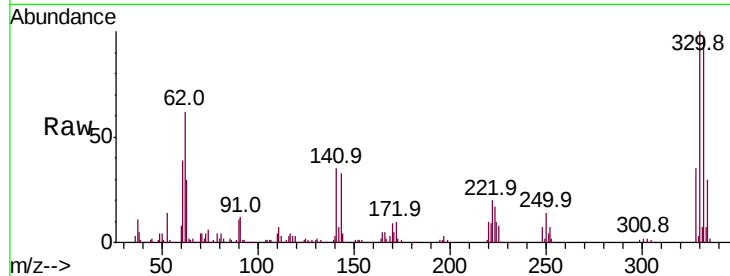




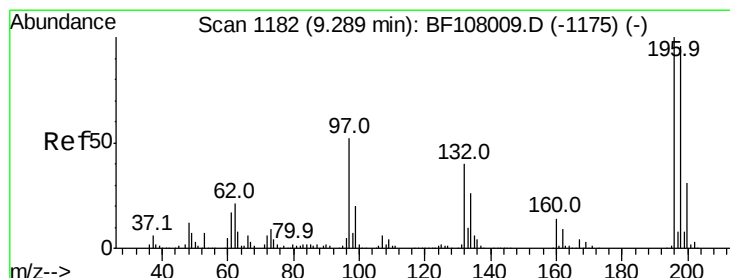
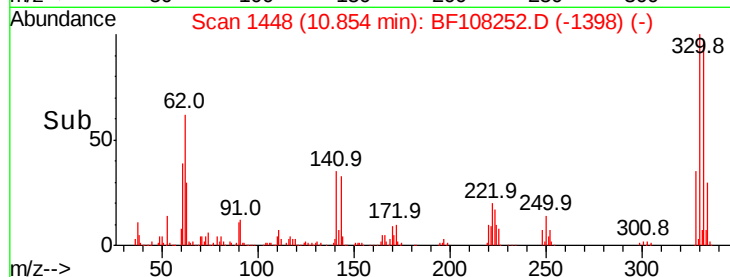
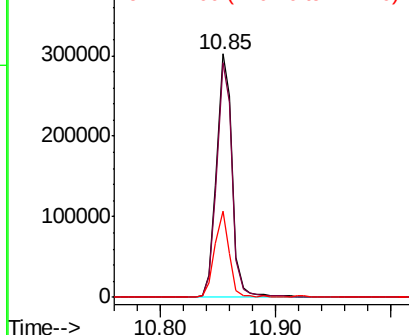
#41
 2,4,6-Tribromophenol
 Concen: 108.573 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	33.0	29.9	44.9

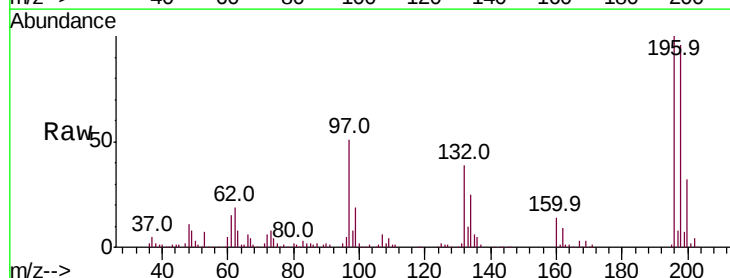


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

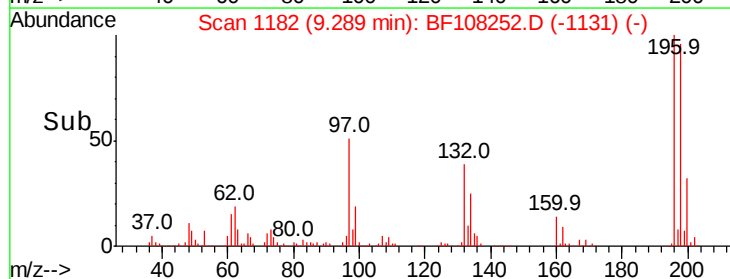
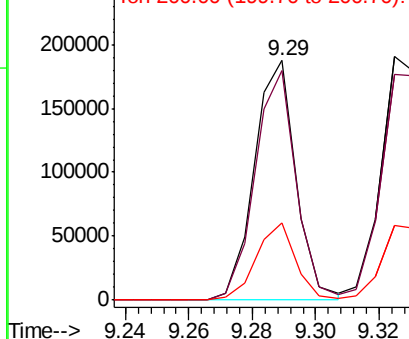


#42
 2,4,6-Trichlorophenol
 Concen: 34.036 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.7	113.5
200	32.2	24.5	36.7



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

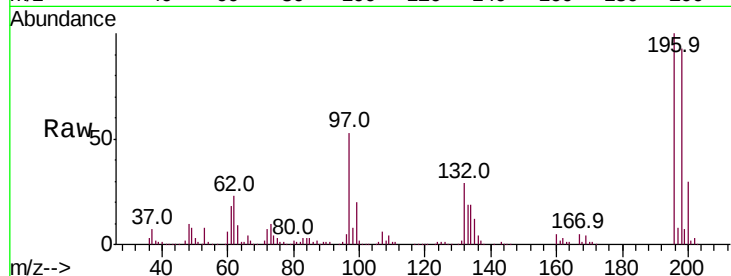




#43
 2,4,5-Trichlorophenol
 Concen: 34.383 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	92.7	74.6	112.0
97	53.1	42.9	64.3
132	29.1	26.3	39.5



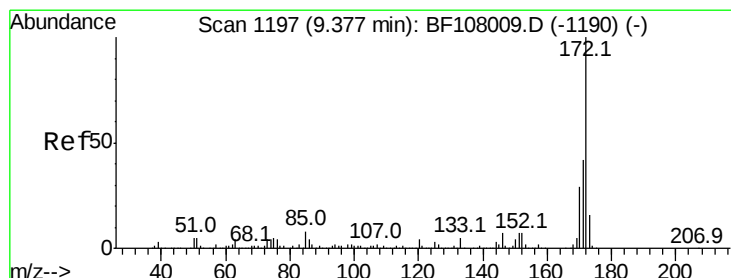
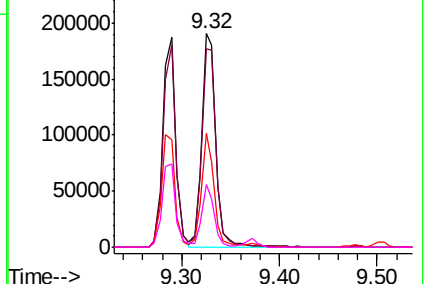
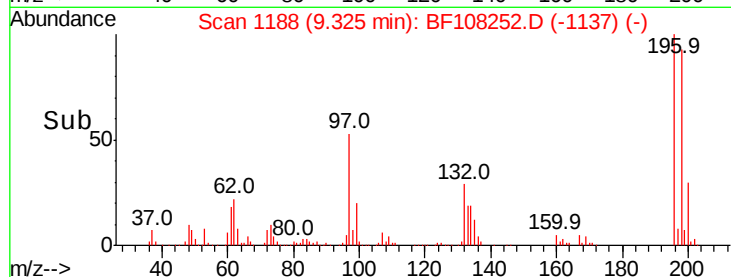
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

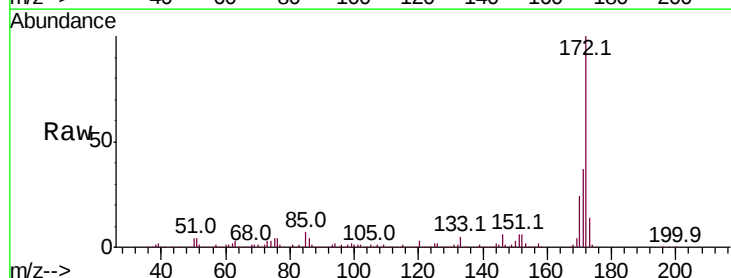
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 74.113 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.4	19.6	29.4

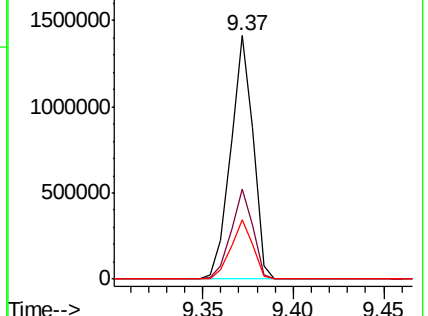
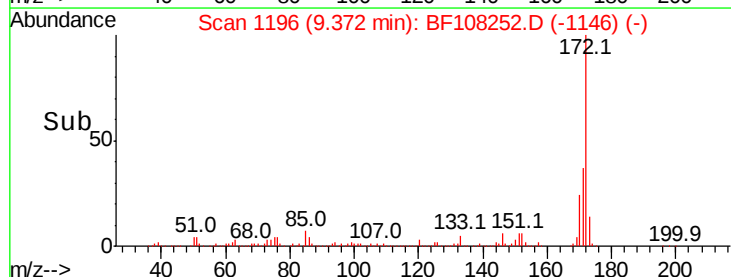


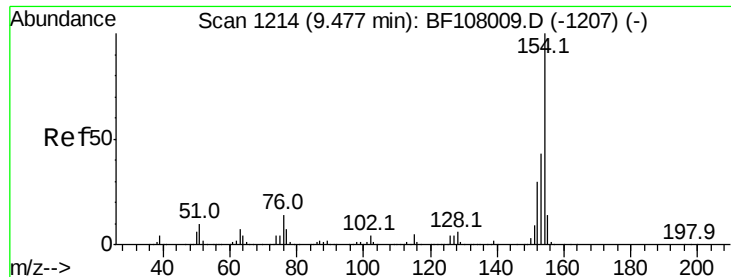
Abundance

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





#45

1,1'-Biphenyl

Concen: 33.171 ng

RT: 9.48 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

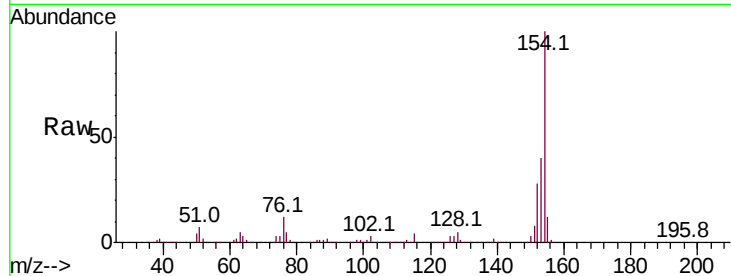
Tot Ion:154 Resp: 642607

Ion Ratio Lower Upper

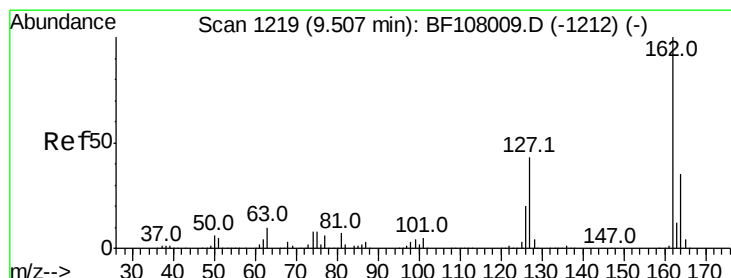
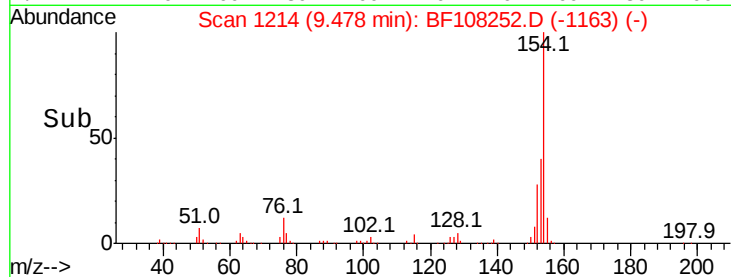
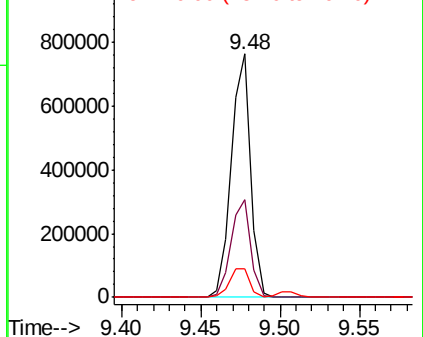
154 100

153 39.9 21.3 61.3

76 11.6 0.0 34.0



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



#46

2-Chloronaphthalene

Concen: 32.358 ng

RT: 9.51 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

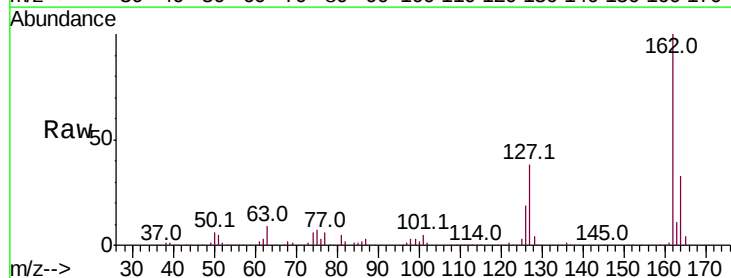
Tgt Ion:162 Resp: 495443

Ion Ratio Lower Upper

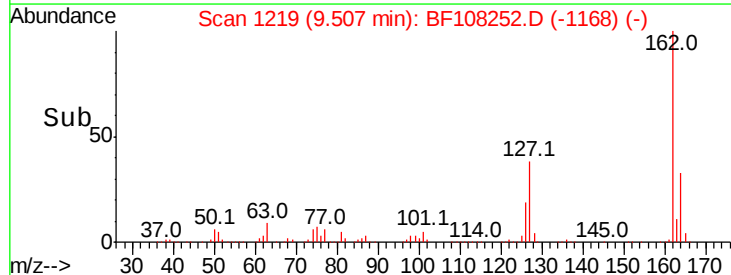
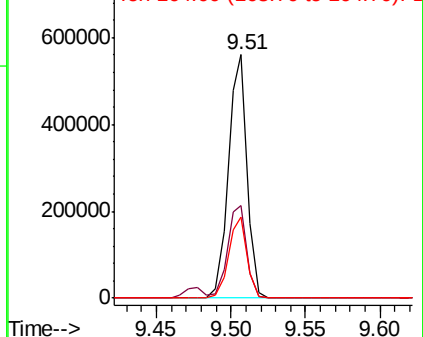
162 100

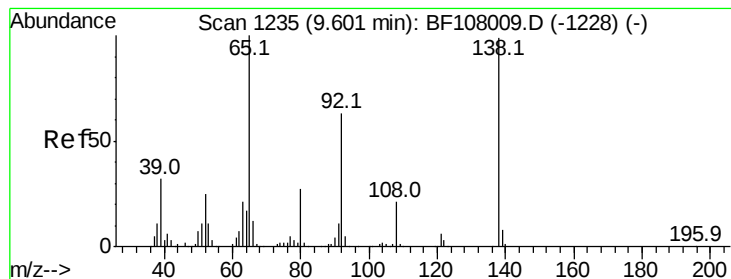
127 37.9 33.9 50.9

164 33.3 26.5 39.7



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





#47

2-Nitroaniline

Concen: 35.052 ng

RT: 9.60 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

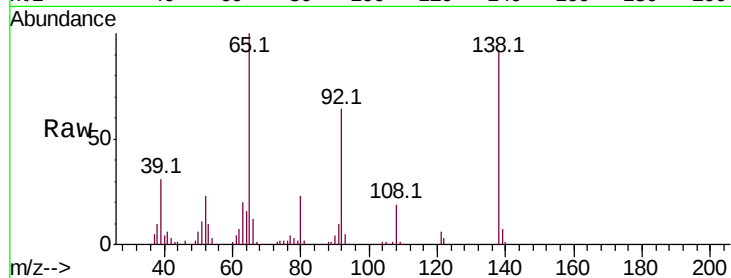
Tot Ion: 65 Resp: 173654

Ion Ratio Lower Upper

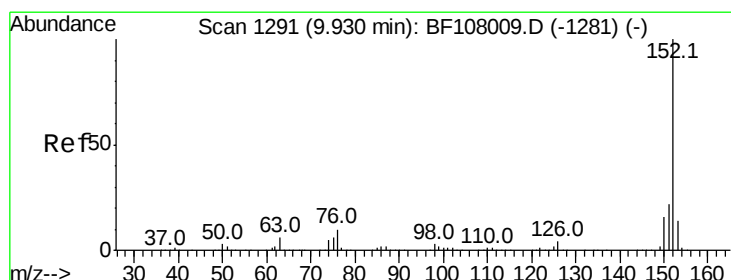
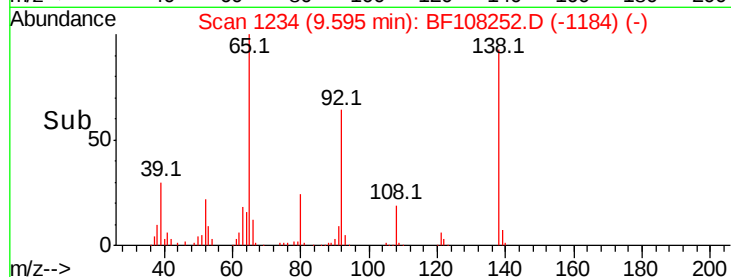
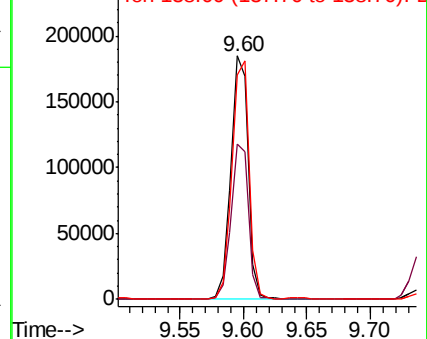
65 100

92 63.9 55.8 83.6

138 92.2 91.2 136.8



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): BF1



#48

Acenaphthylene

Concen: 32.733 ng

RT: 9.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

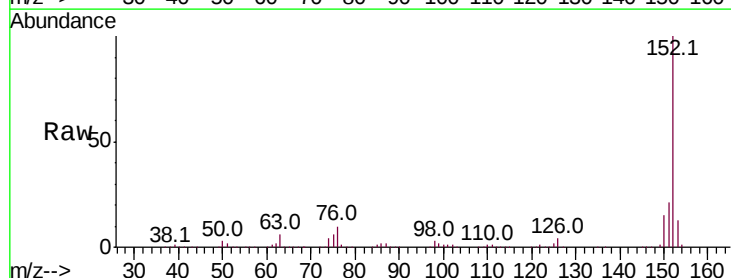
Tgt Ion: 152 Resp: 792349

Ion Ratio Lower Upper

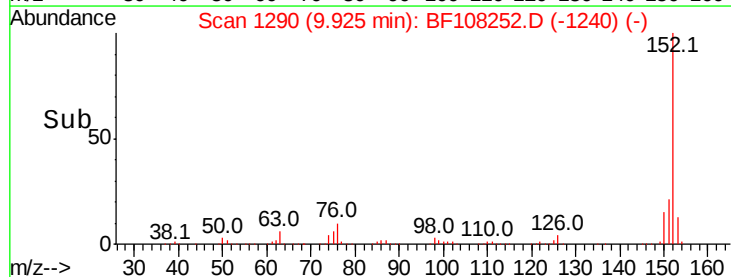
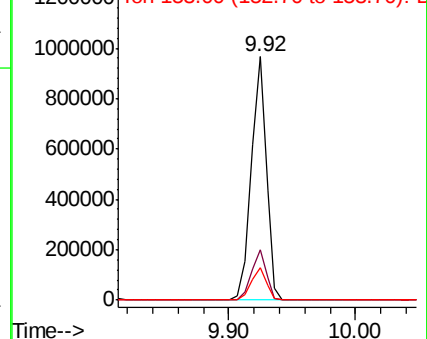
152 100

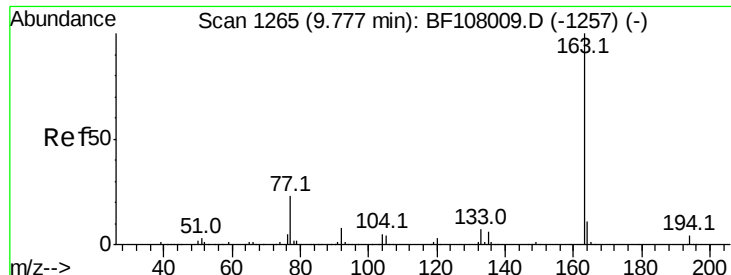
151 20.5 16.3 24.5

153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): BF1
Ion 151.00 (150.70 to 151.70): BF1
Ion 153.00 (152.70 to 153.70): BF1

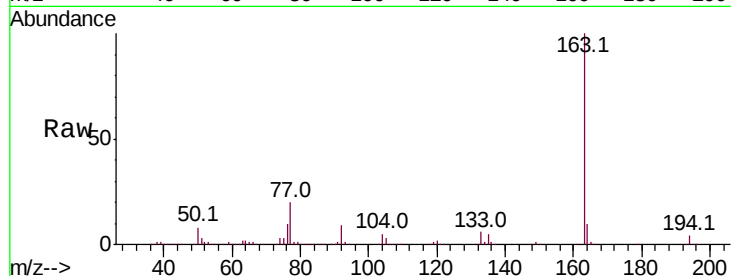




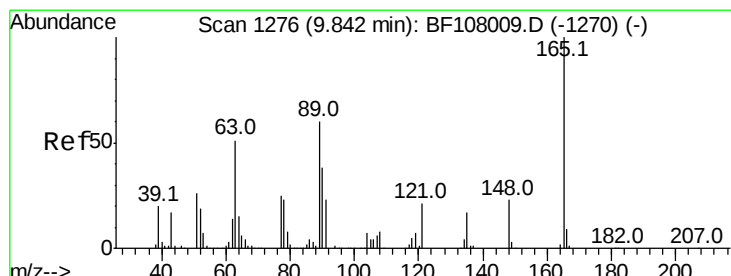
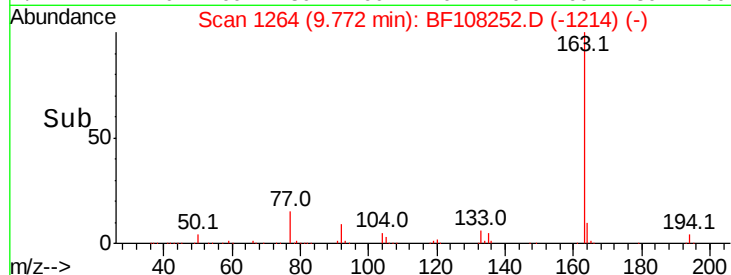
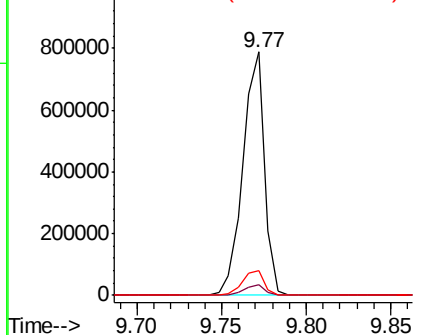
#49
Dimethylphthalate
Concen: 38.336 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion:163 Resp: 701650
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.0 8.2 12.2

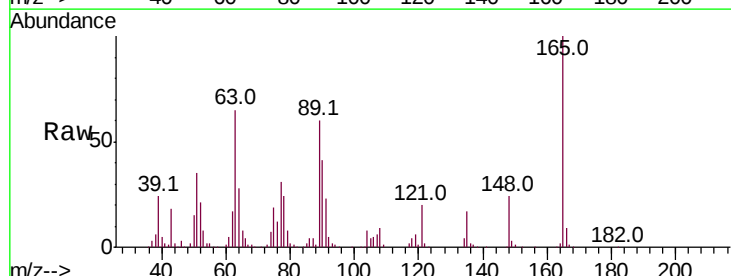


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

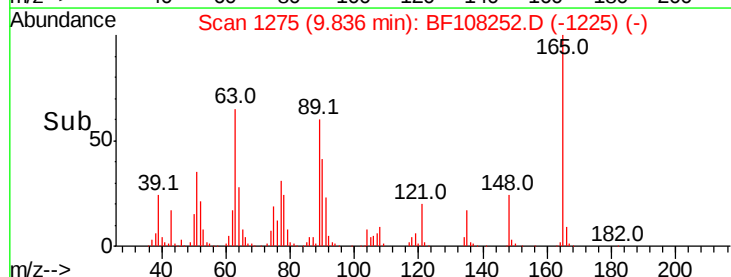
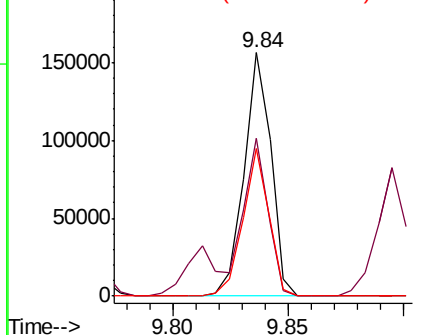


#50
2,6-Dinitrotoluene
Concen: 33.218 ng
RT: 9.84 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion:165 Resp: 127201
Ion Ratio Lower Upper
165 100
63 64.6 44.7 67.1
89 60.5 44.0 66.0



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





#51

Acenaphthene

Concen: 31.047 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

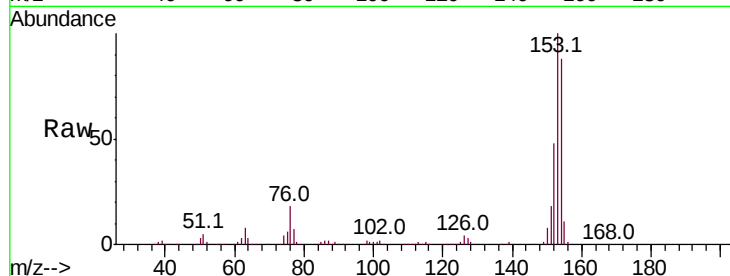
Tot Ion:154 Resp: 460313

Ion Ratio Lower Upper

154 100

153 113.5 91.2 136.8

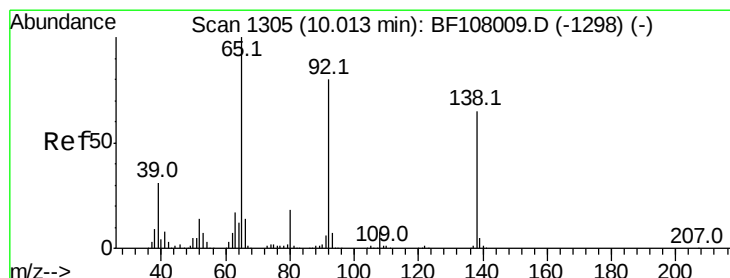
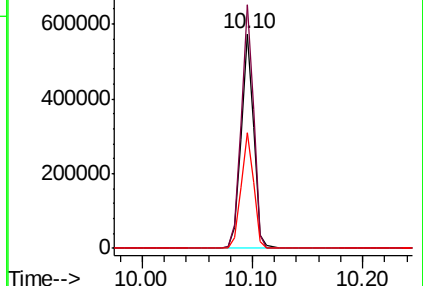
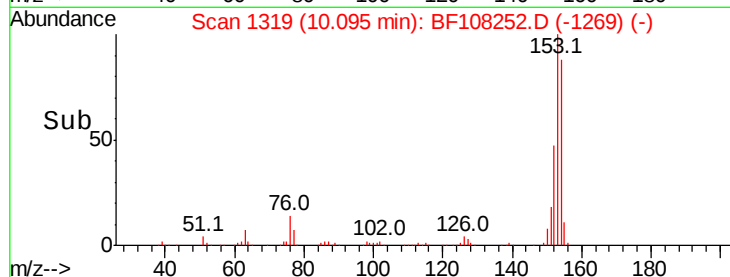
152 54.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 31.125 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

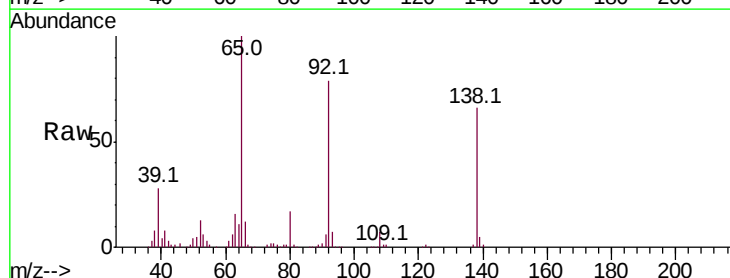
Tgt Ion:138 Resp: 130404

Ion Ratio Lower Upper

138 100

108 10.9 9.4 14.0

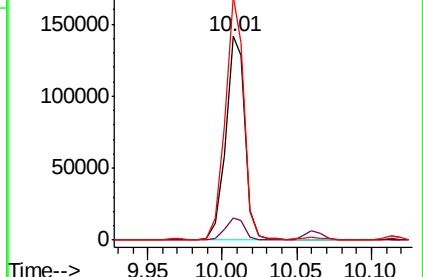
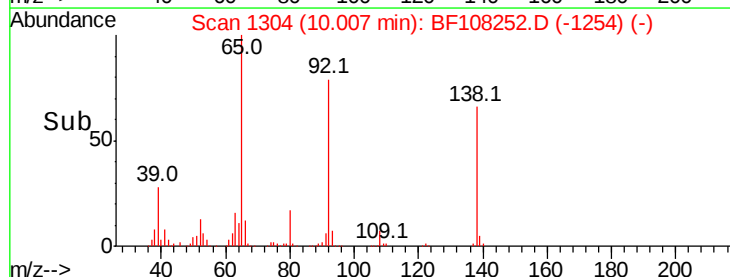
92 119.6 89.4 134.2

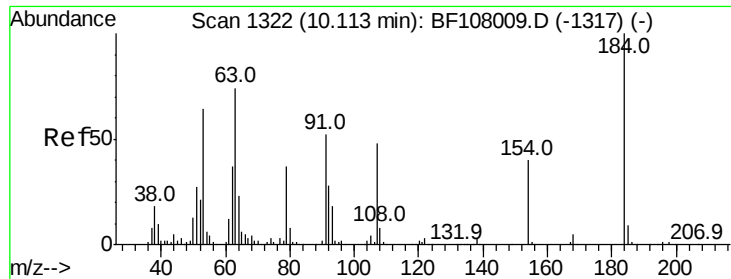


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

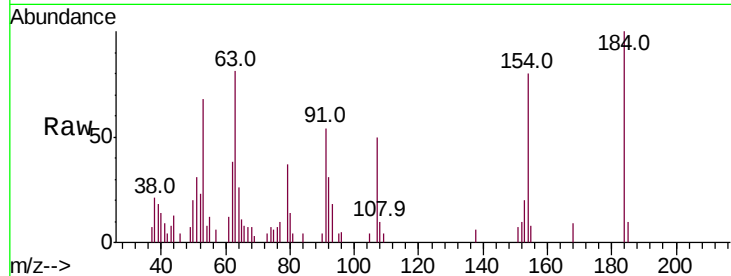




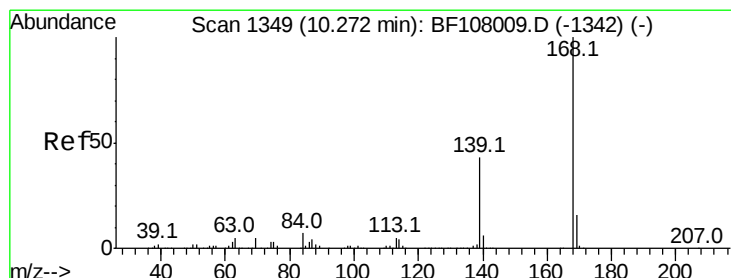
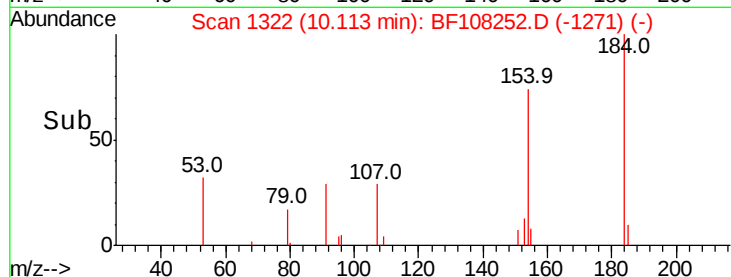
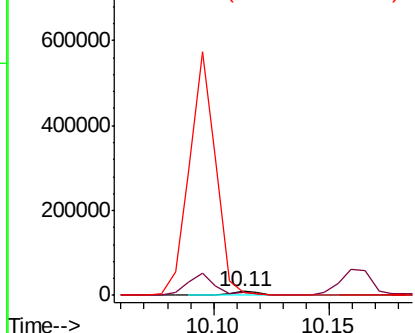
#53
2,4-Dinitrophenol
Concen: 12.156 ng
RT: 10.11 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion:184 Resp: 8068
Ion Ratio Lower Upper
184 100
63 81.2 54.2 81.2
154 79.6 184.0 276.0#

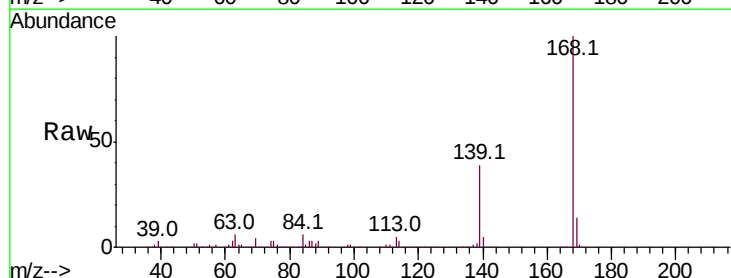


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

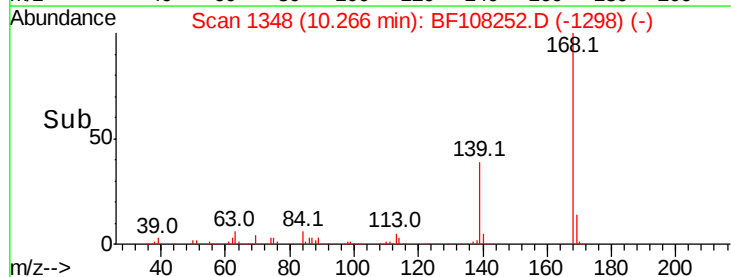
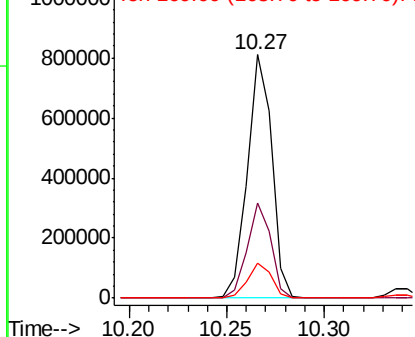


#54
Dibenzofuran
Concen: 32.718 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion:168 Resp: 702779
Ion Ratio Lower Upper
168 100
139 39.3 30.1 45.1
169 14.1 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

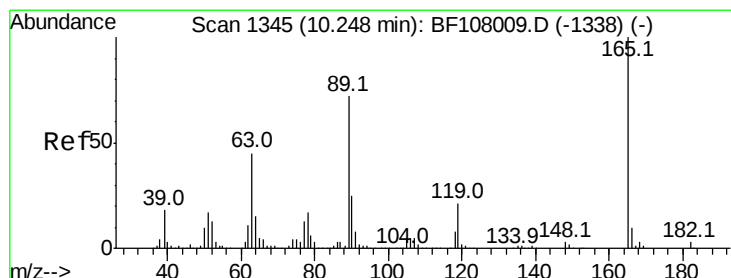
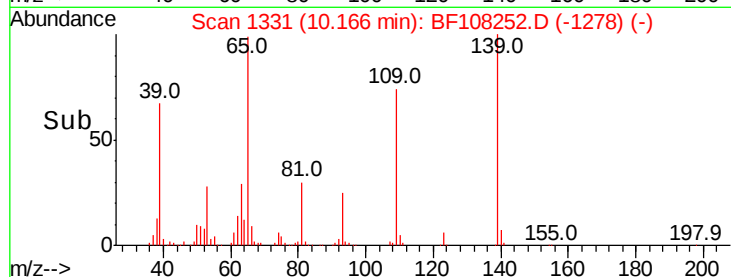
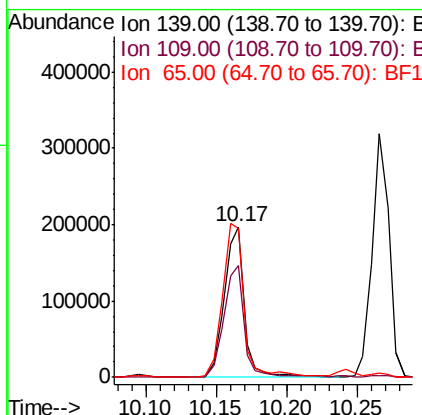
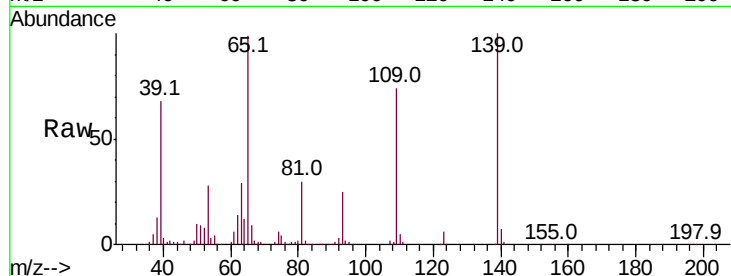




#55
4-Nitrophenol
Concen: 61.563 ng
RT: 10.17 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

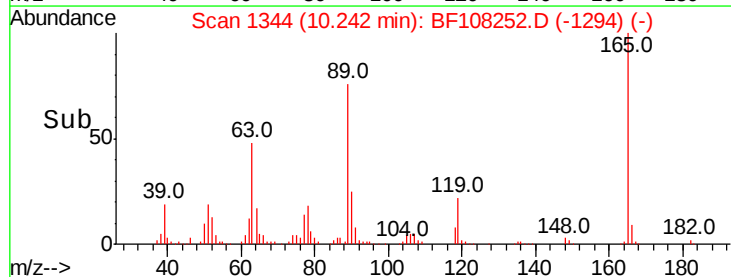
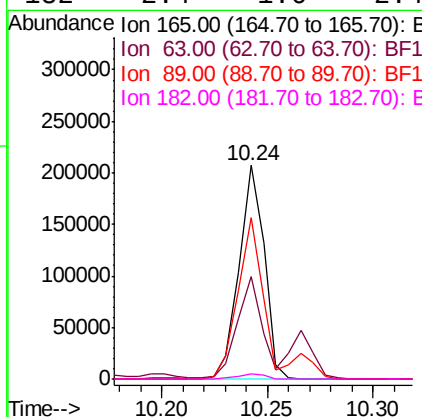
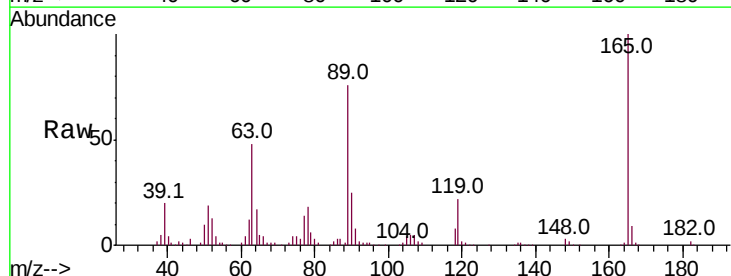
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

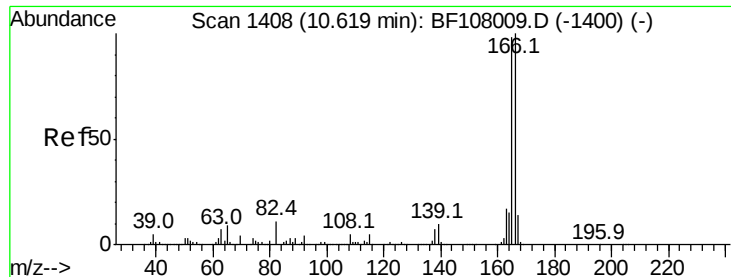
Tot Ion:139 Resp: 195319
Ion Ratio Lower Upper
139 100
109 74.2 48.4 88.4
65 99.0 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 34.573 ng
RT: 10.24 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion:165 Resp: 170410
Ion Ratio Lower Upper
165 100
63 47.7 36.4 54.6
89 75.7 57.8 86.6
182 2.4 1.6 2.4#





#57

Fluorene

Concen: 32.613 ng

RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

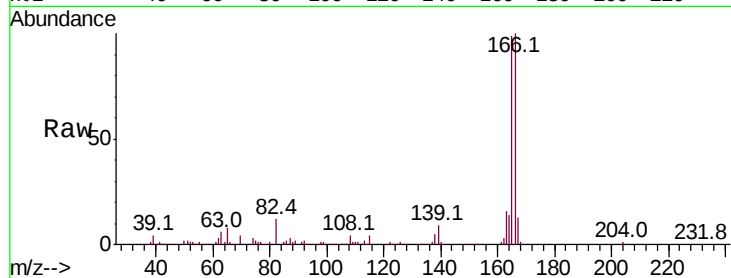
Tot Ion:166 Resp: 554550

Ion Ratio Lower Upper

166 100

165 98.9 79.8 119.8

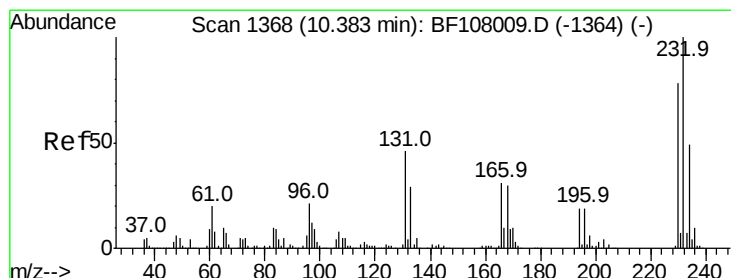
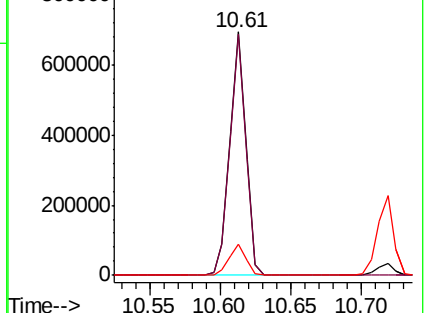
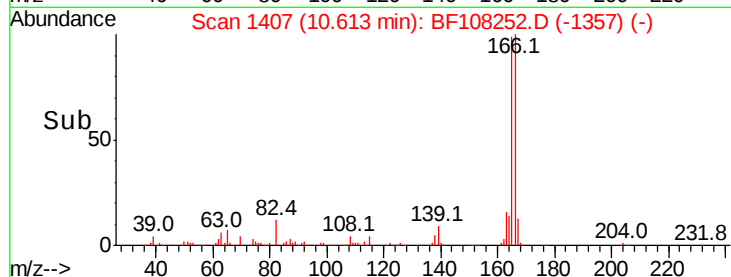
167 12.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 32.840 ng

RT: 10.38 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Tgt Ion:232 Resp: 151291

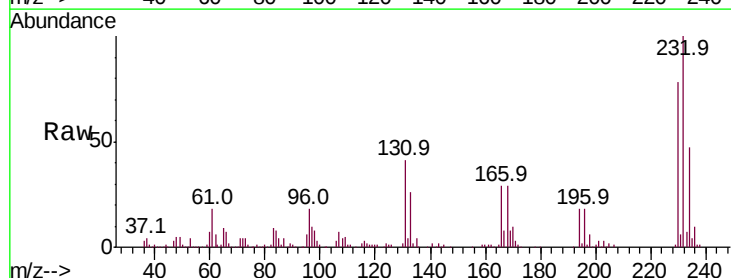
Ion Ratio Lower Upper

232 100

131 41.9 43.8 65.8#

130 2.3 2.1 3.1

166 29.3 27.8 41.6

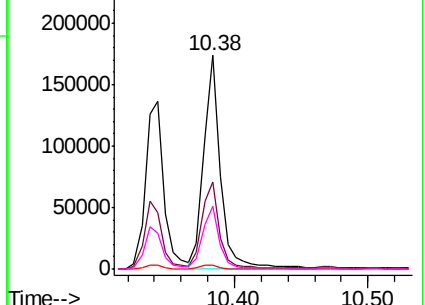
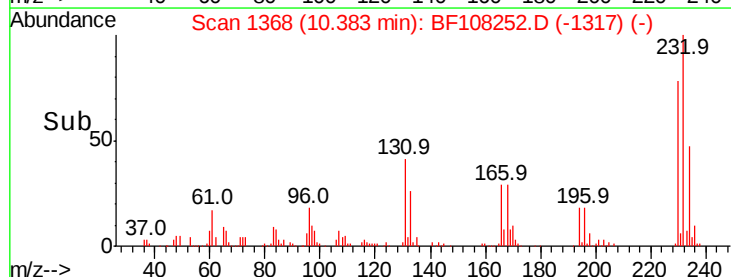


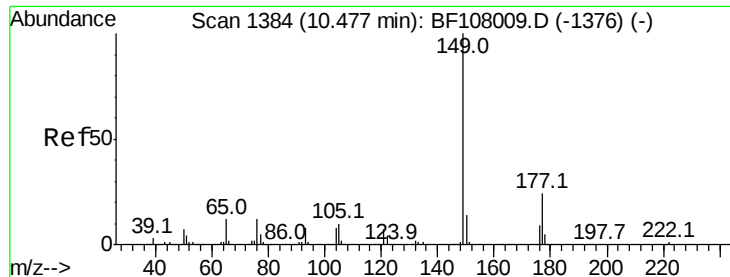
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 32.706 ng

RT: 10.47 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

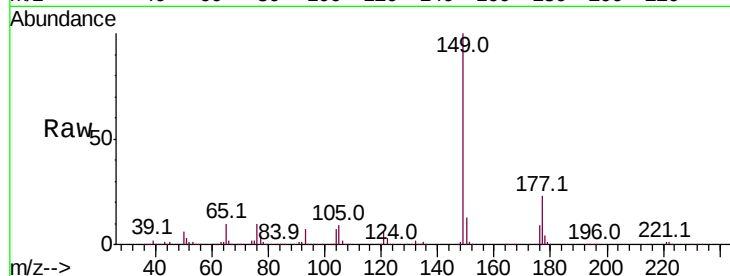
Tot Ion:149 Resp: 579659

Ion Ratio Lower Upper

149 100

177 23.4 16.1 24.1

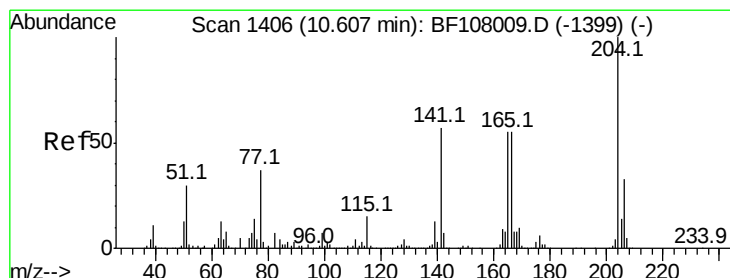
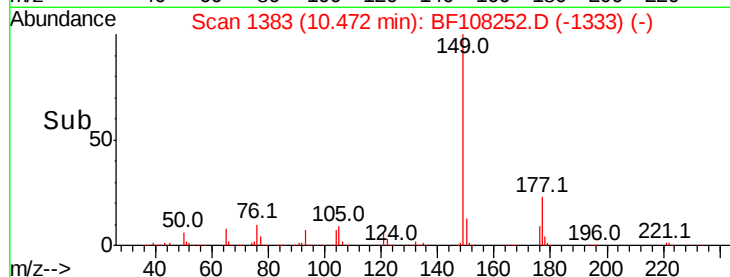
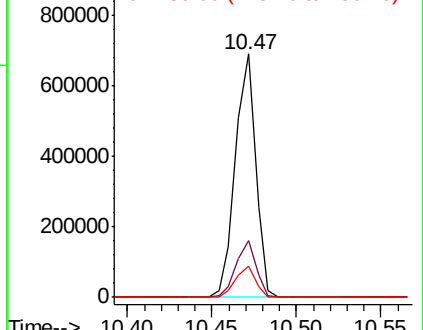
150 12.8 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 31.811 ng

RT: 10.60 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

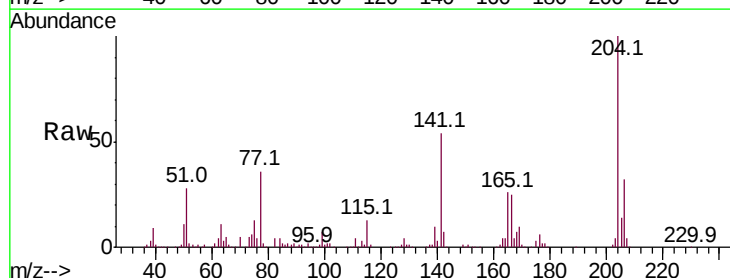
Tgt Ion:204 Resp: 281848

Ion Ratio Lower Upper

204 100

206 32.2 26.5 39.7

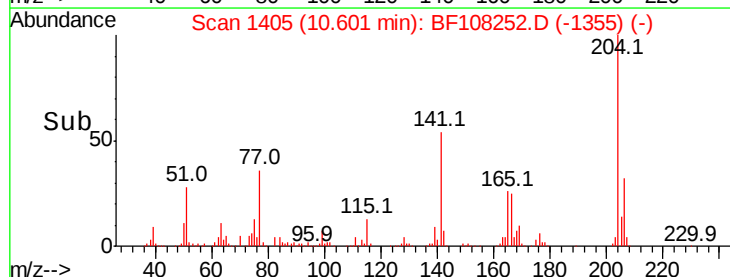
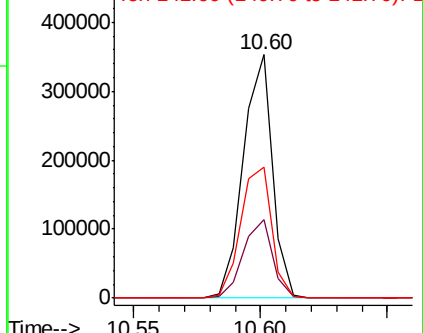
141 53.6 54.6 81.8#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

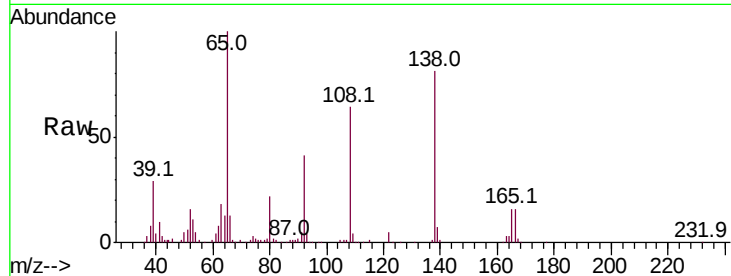




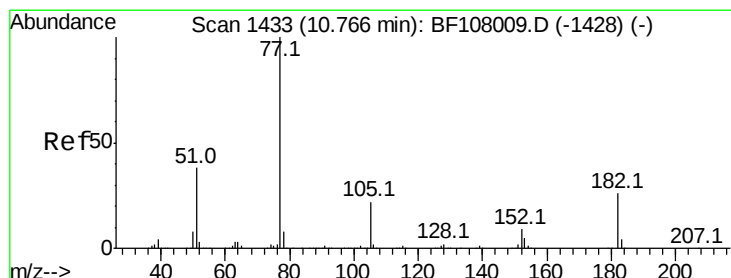
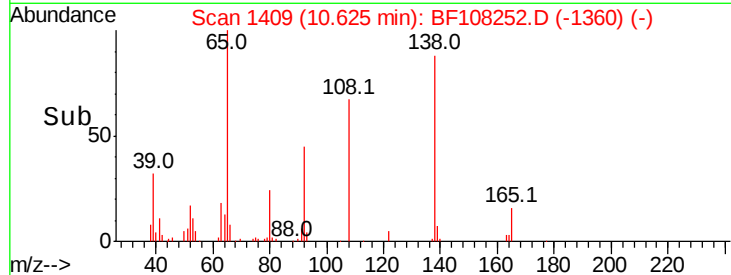
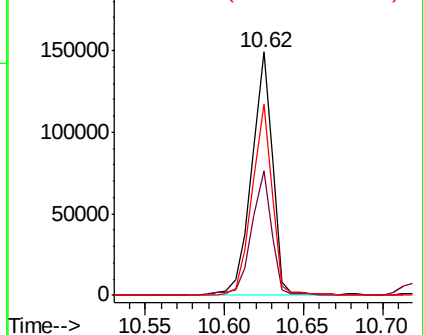
#61
4-Nitroaniline
Concen: 33.100 ng
RT: 10.62 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion:138 Resp: 137110
Ion Ratio Lower Upper
138 100
92 51.0 30.2 70.2
108 78.7 52.5 92.5

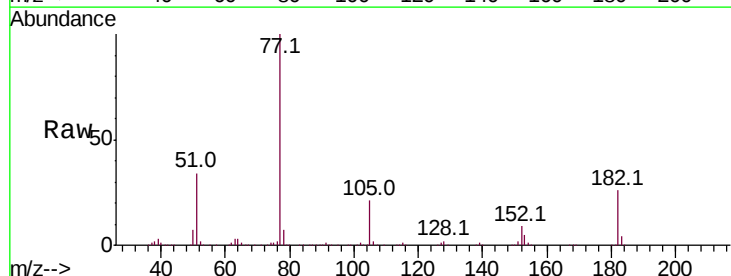


Abundance Ion 138.00 (137.70 to 138.70): E
200000 Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

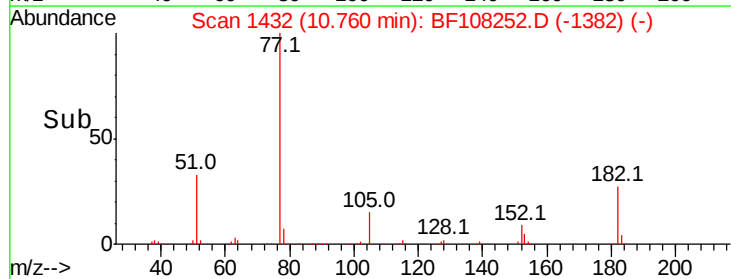
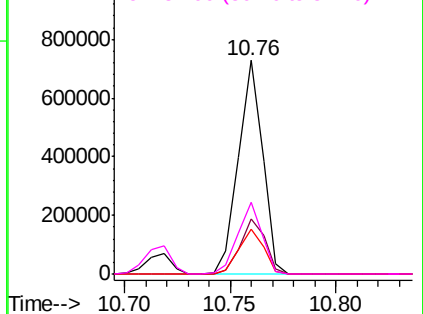


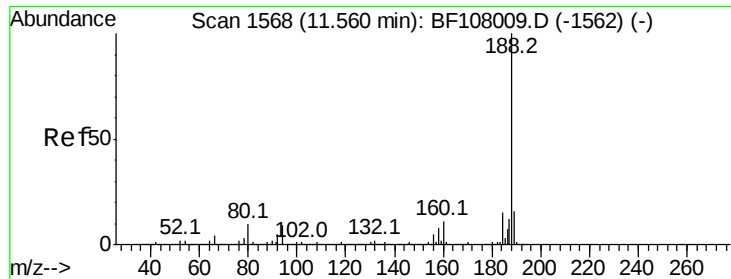
#62
Azobenzene
Concen: 31.493 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion: 77 Resp: 576429
Ion Ratio Lower Upper
77 100
182 25.9 1.7 41.7
105 21.2 3.0 43.0
51 33.8 9.9 49.9



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

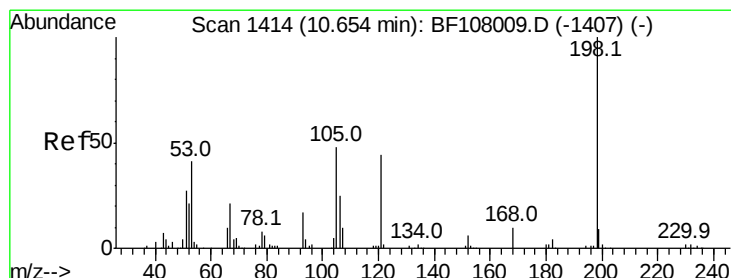
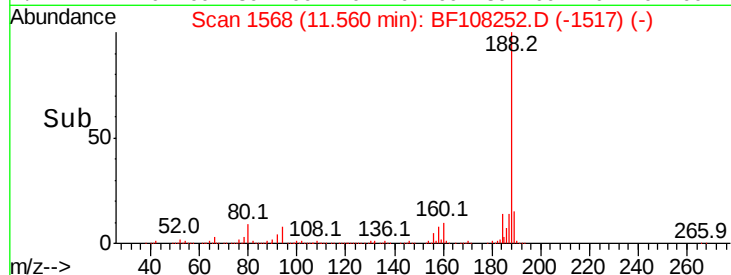
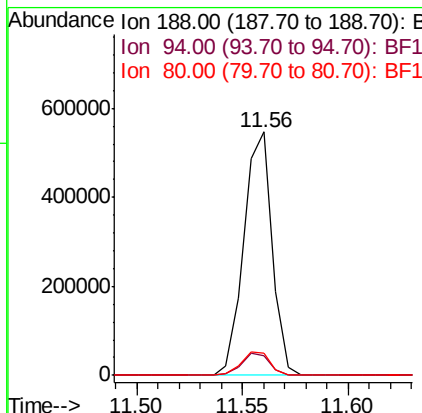
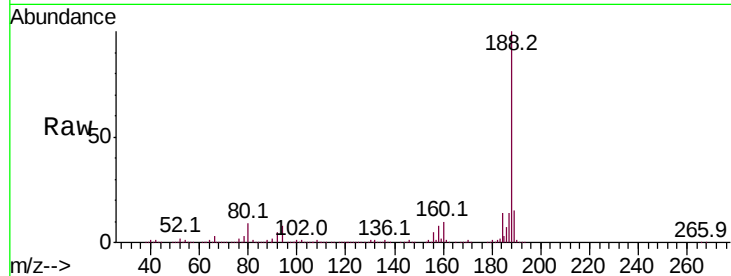




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

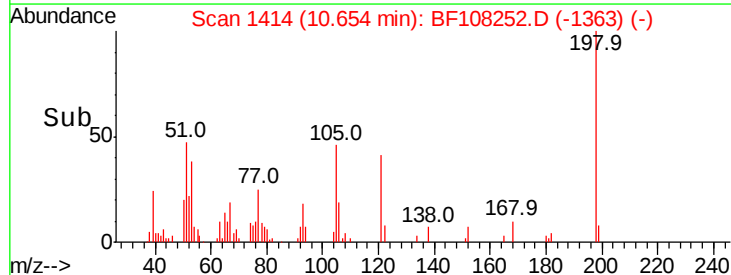
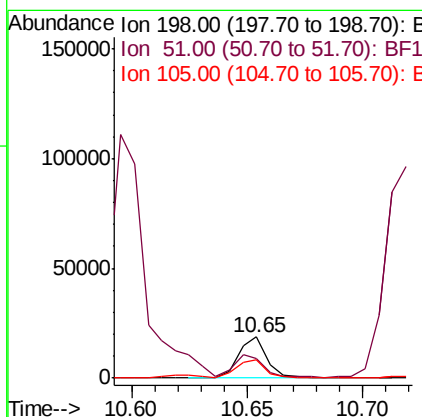
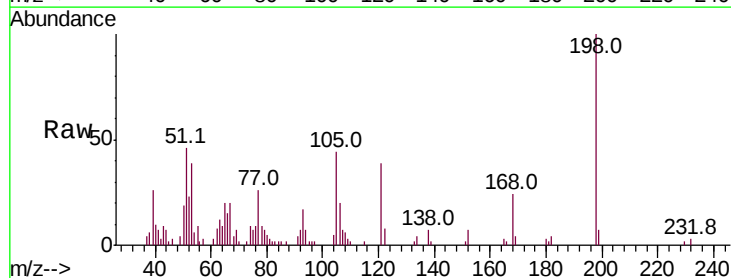
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

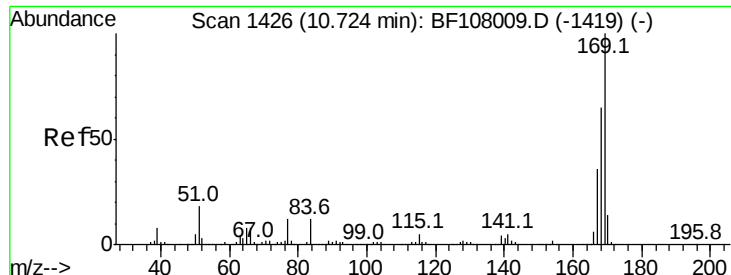
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.4	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 12.835 ng
 RT: 10.65 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
198	100		
51	46.3	37.7	77.7
105	43.6	36.3	76.3

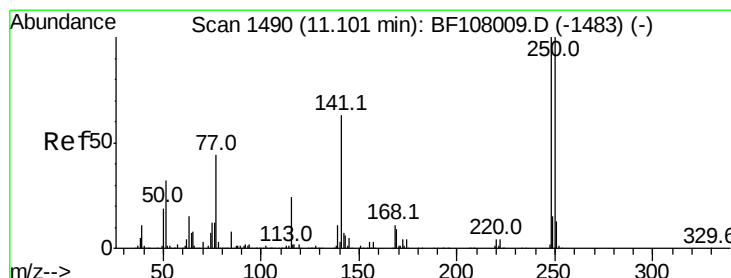
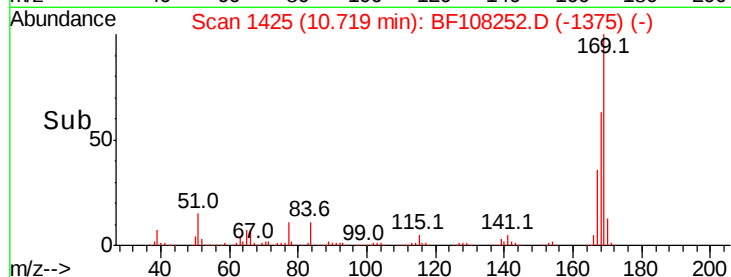
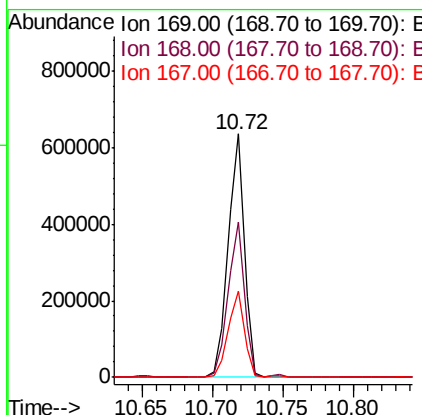
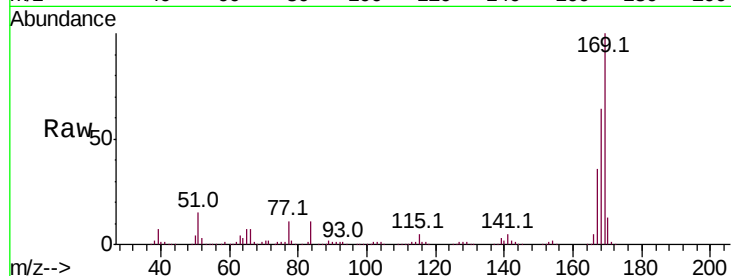




#65
n-Nitrosodiphenylamine
Concen: 34.013 ng
RT: 10.72 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

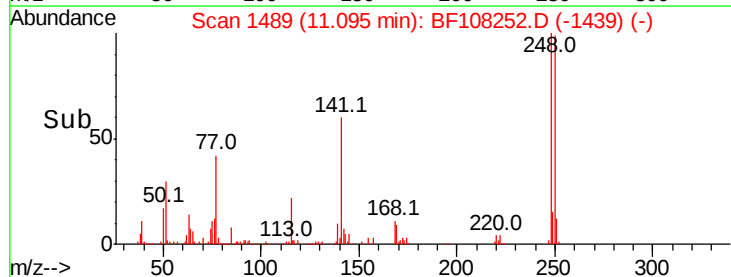
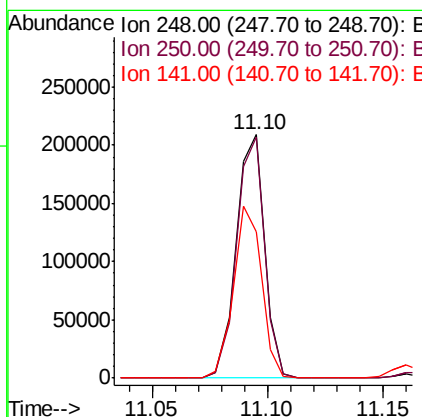
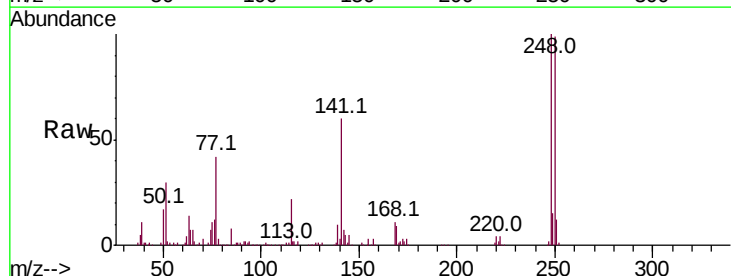
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	63.5	54.4	81.6
167	35.6	29.8	44.6



#66
4-Bromophenyl-phenylether
Concen: 32.444 ng
RT: 11.10 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	76.9	115.3
141	60.1	74.4	111.6

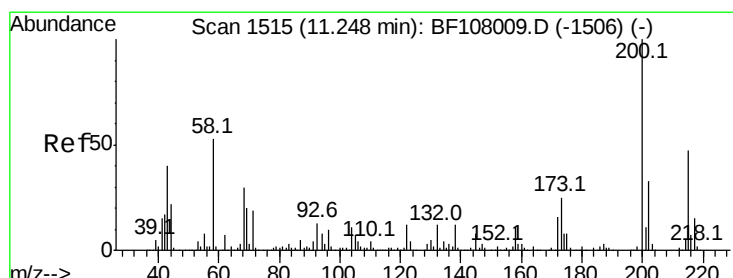
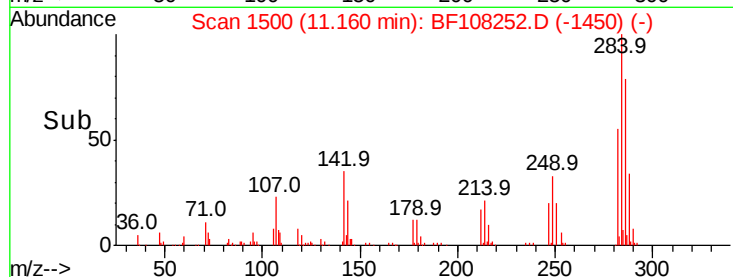
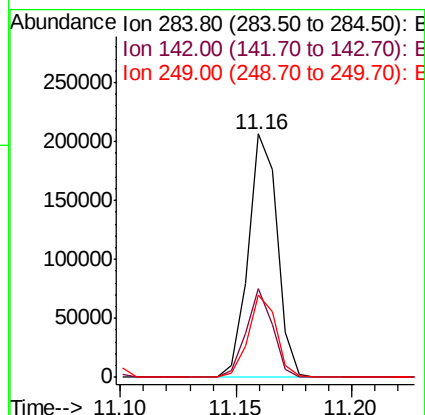
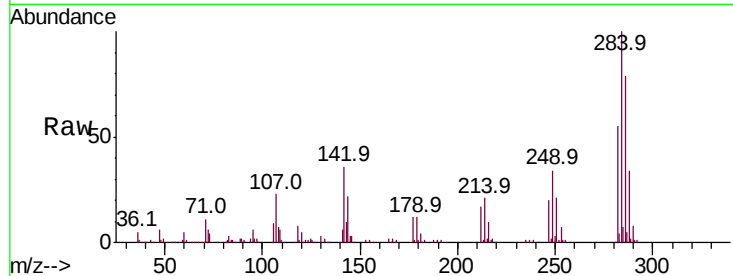




#67
Hexachlorobenzene
Concen: 31.208 ng
RT: 11.16 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

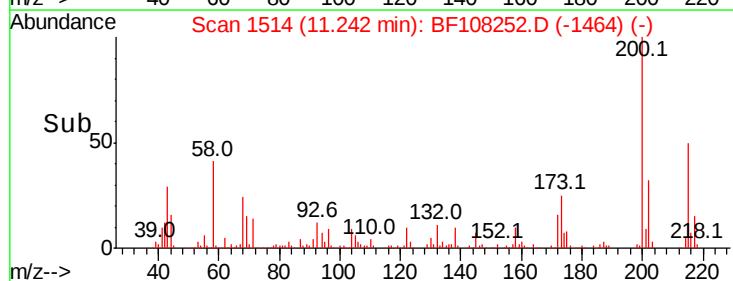
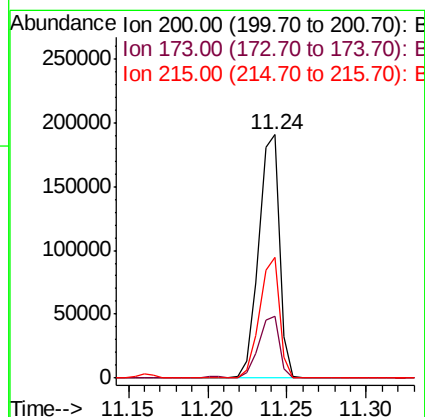
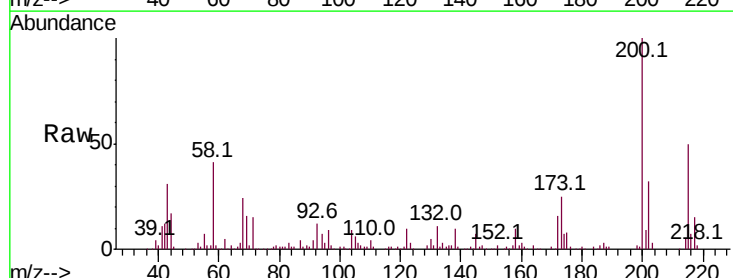
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	36.3	34.6	52.0
249	33.7	24.8	37.2



#68
Atrazine
Concen: 34.757 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.3	8.6	48.6
215	49.8	25.1	65.1

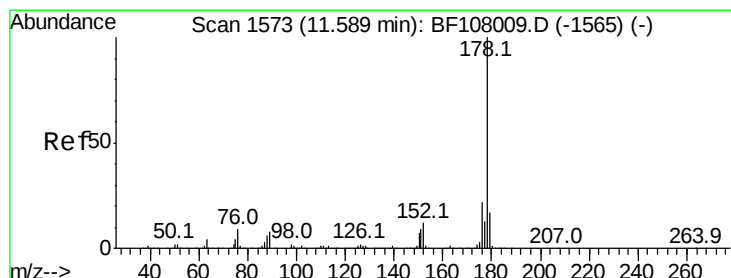
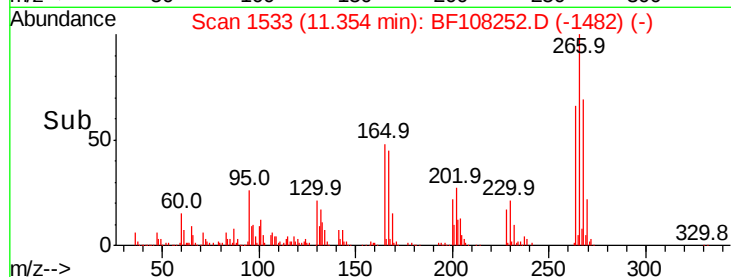
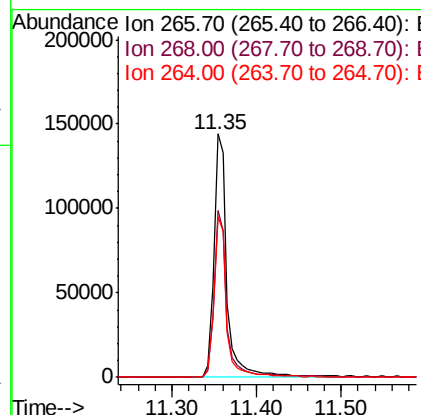
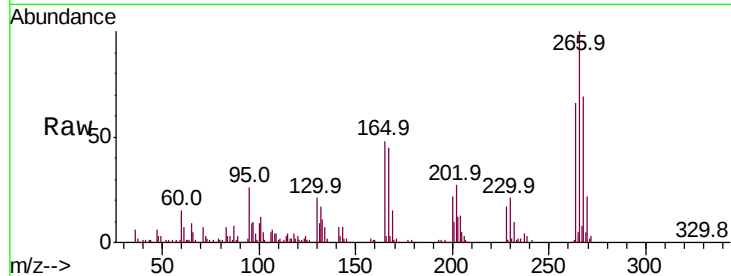




#69
 Pentachlorophenol
 Concen: 57.216 ng
 RT: 11.35 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

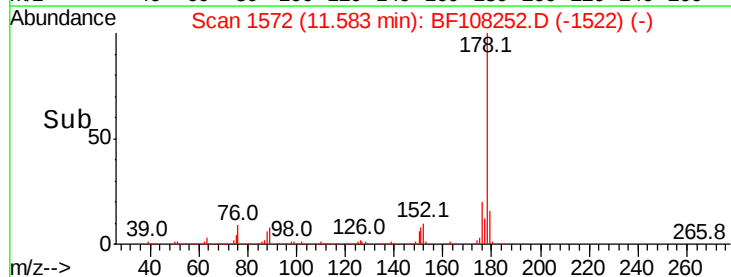
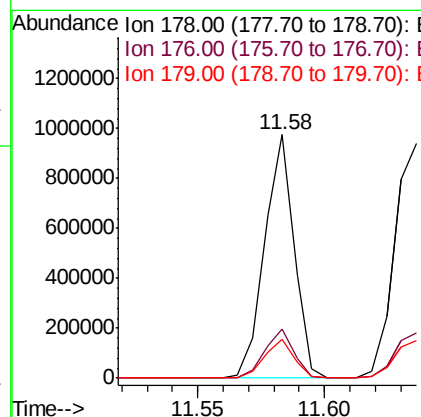
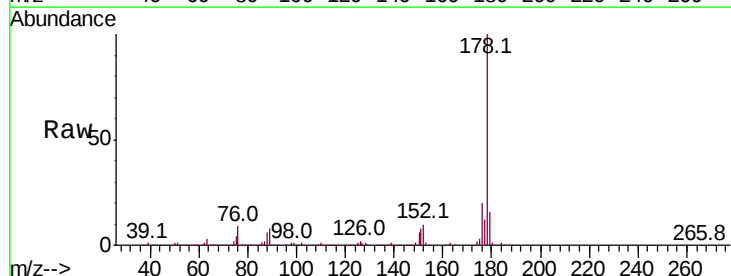
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

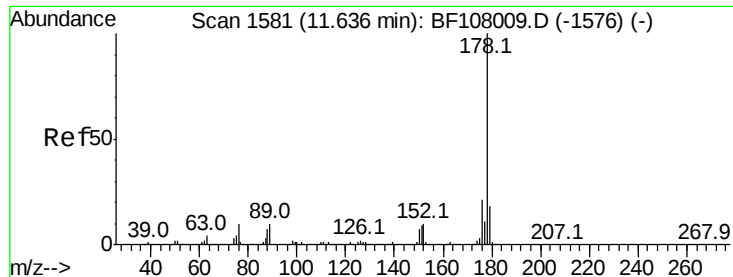
Tot Ion	Ratio	Lower	Upper
266	100		
268	68.5	51.1	76.7
264	65.8	49.5	74.3



#70
 Phenanthrene
 Concen: 33.259 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.8	13.0	19.6

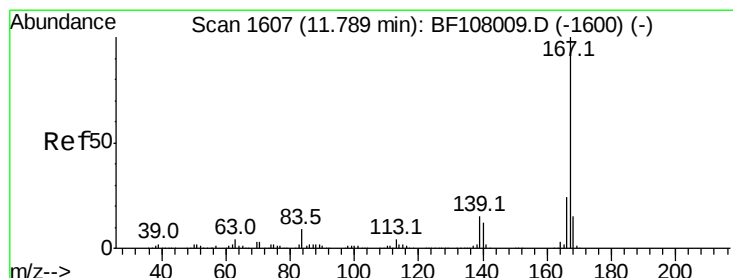
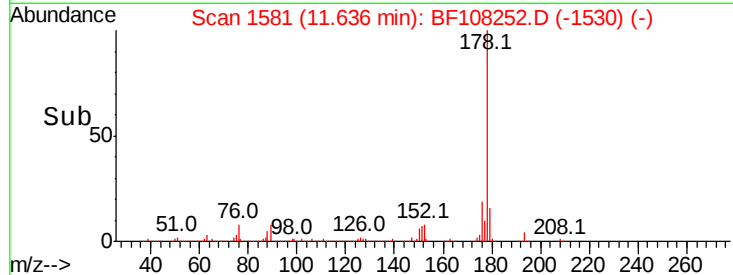
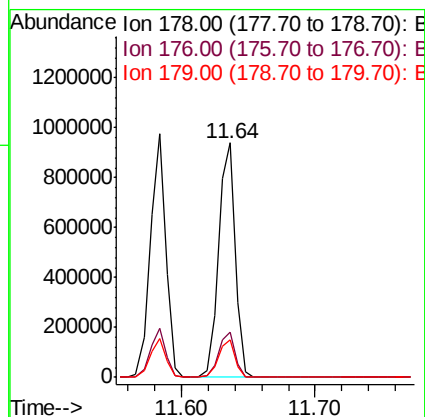
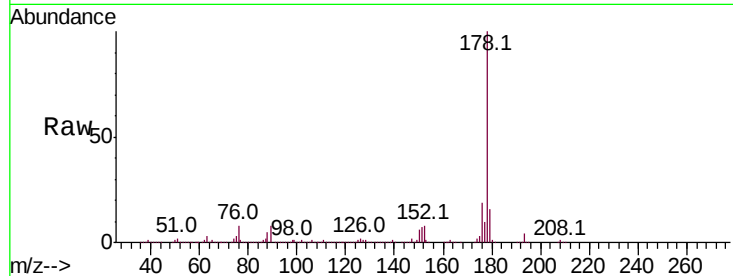




#71
 Anthracene
 Concen: 33.629 ng
 RT: 11.64 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

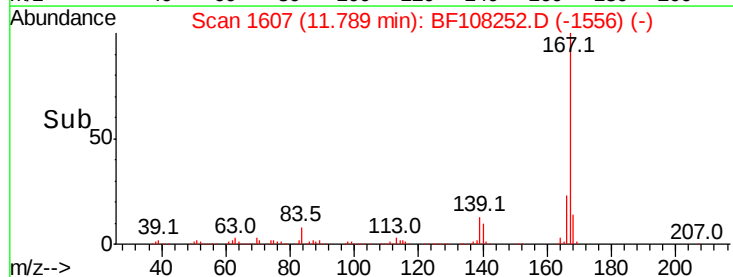
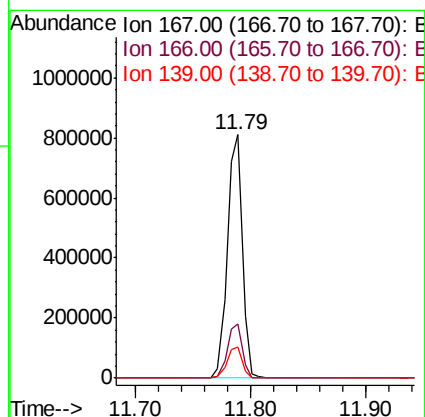
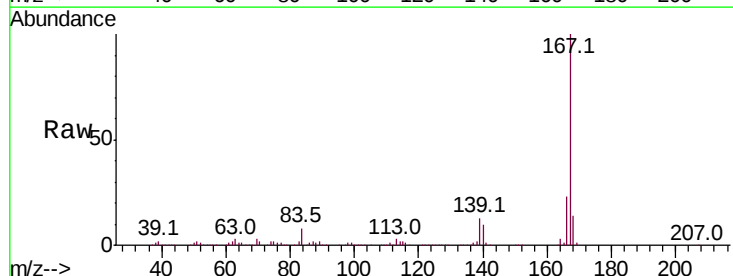
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.8	12.6	19.0



#72
 Carbazole
 Concen: 33.523 ng
 RT: 11.79 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.7	10.9	16.3





#73

Di-n-butylphthalate

Concen: 35.976 ng

RT: 12.10 min Scan# 1660

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

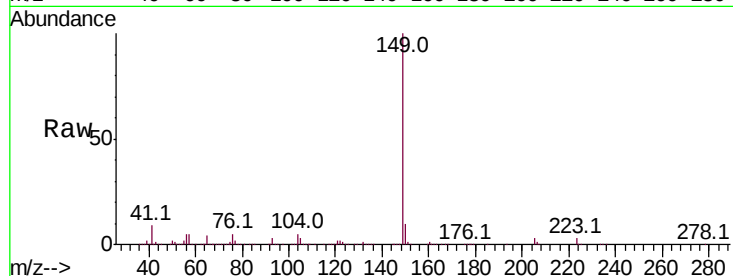
Tot Ion:149 Resp: 889384

Ion Ratio Lower Upper

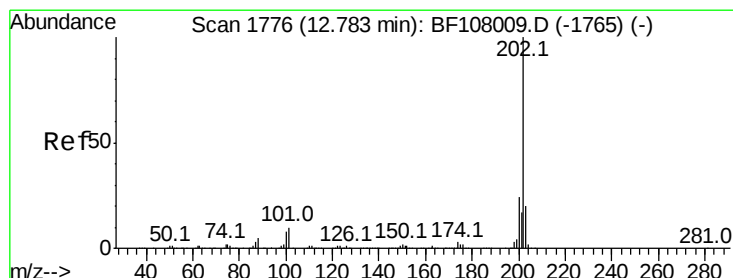
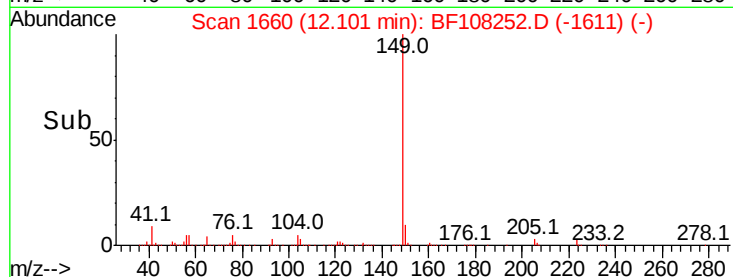
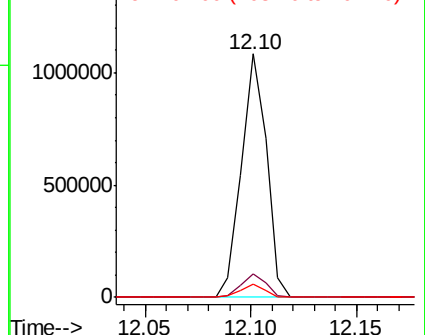
149 100

150 9.7 7.8 11.6

104 5.4 3.8 5.8



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



#74

Fluoranthene

Concen: 32.790 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

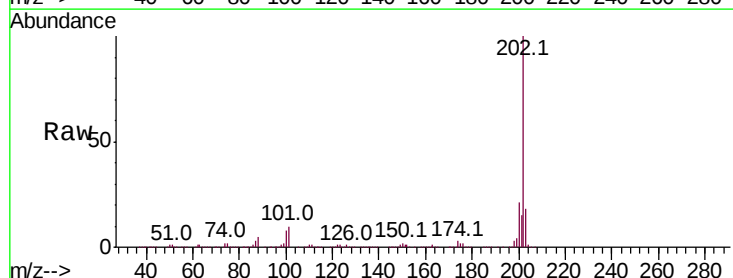
Tgt Ion:202 Resp: 857733

Ion Ratio Lower Upper

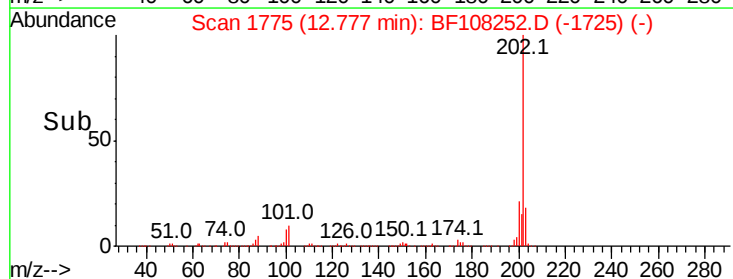
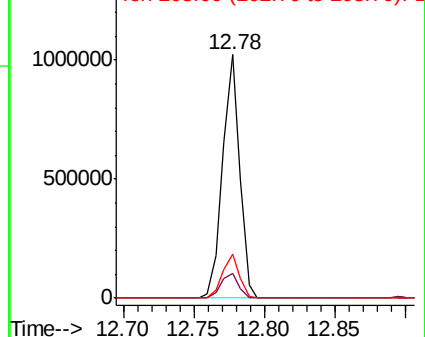
202 100

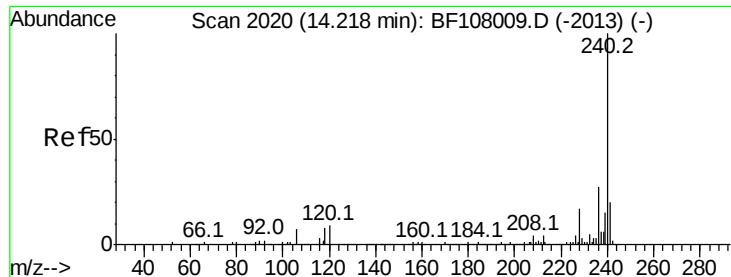
101 10.2 0.0 34.1

203 18.0 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

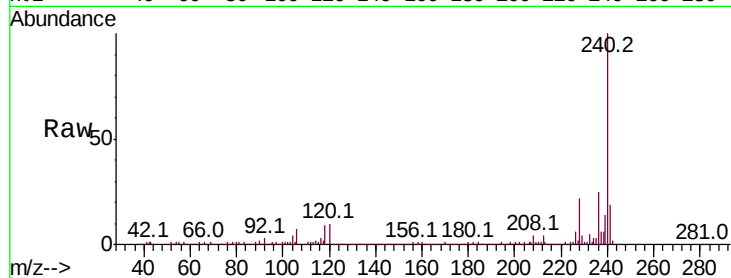
Tot Ion:240 Resp: 454608

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

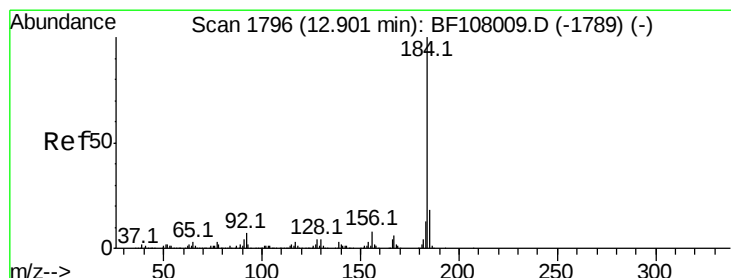
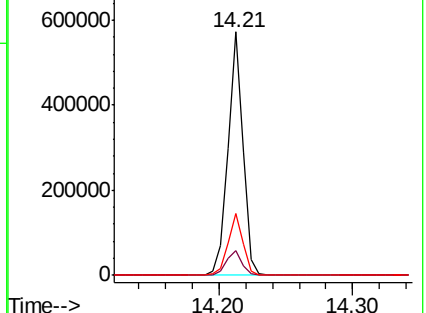
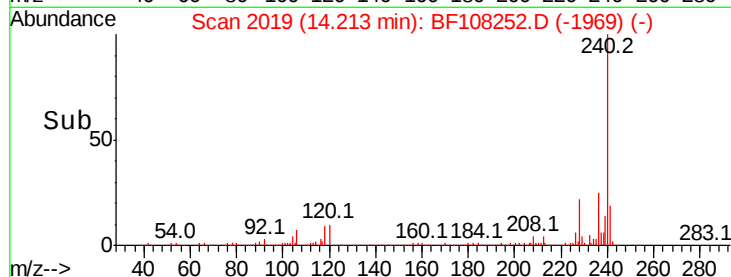
236 25.5 20.7 31.1



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



#76

Benzidine

Concen: 40.055 ng

RT: 12.90 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

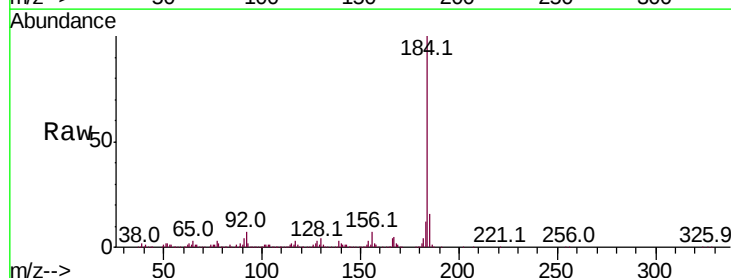
Tgt Ion:184 Resp: 680351

Ion Ratio Lower Upper

184 100

185 15.6 12.6 18.8

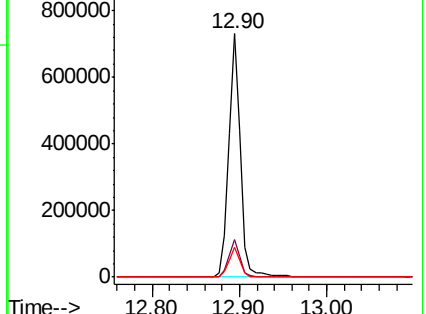
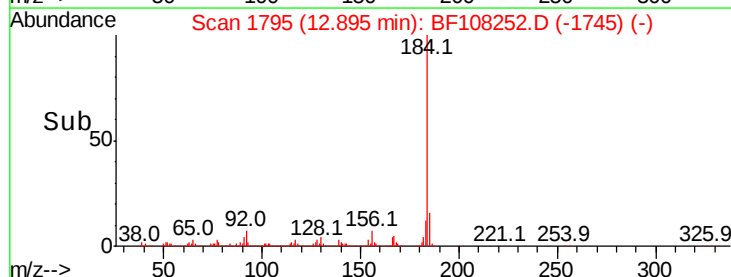
183 12.3 9.3 13.9



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





#77

Pvrene

Concen: 30.256 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

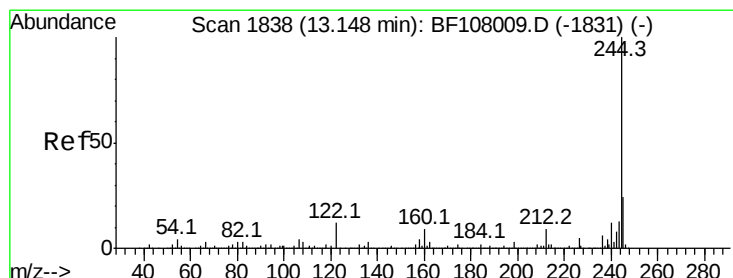
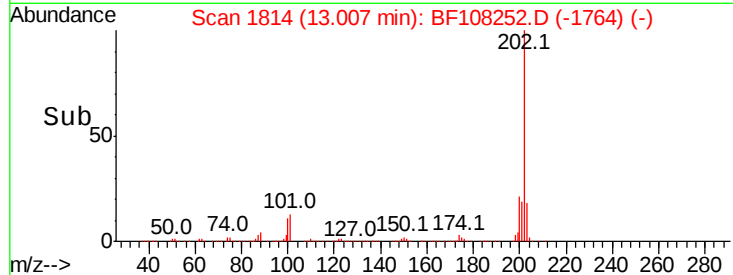
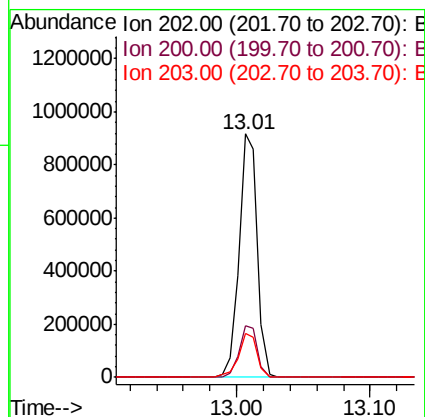
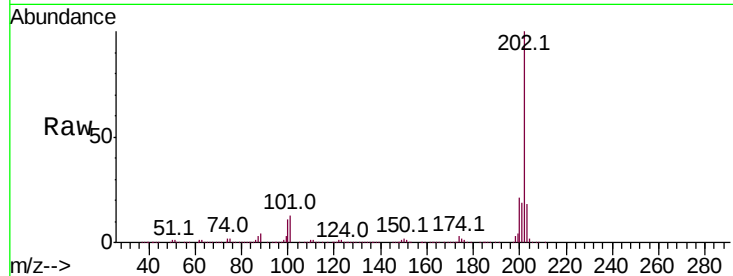
Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

Tot Ion:202 Resp: 870816

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.8	14.3	21.5



#78

Terphenyl-d14

Concen: 73.819 ng

RT: 13.14 min Scan# 1837

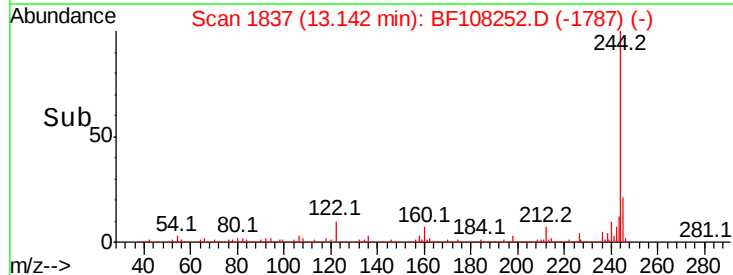
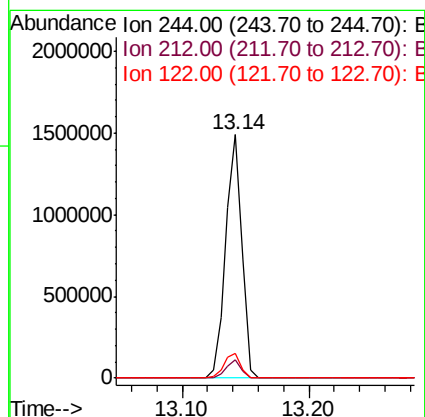
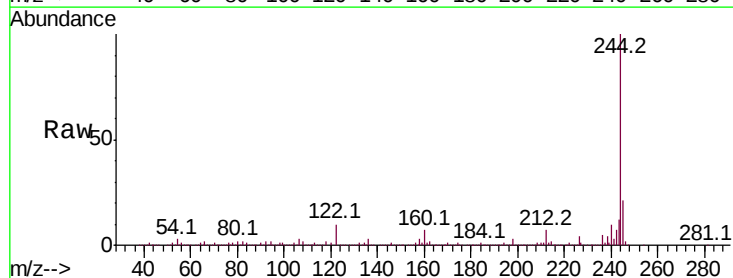
Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Tgt Ion:244 Resp: 1319879

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.0	11.0	16.4





#79

Butylbenzylphthalate

Concen: 32.119 ng

RT: 13.61 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

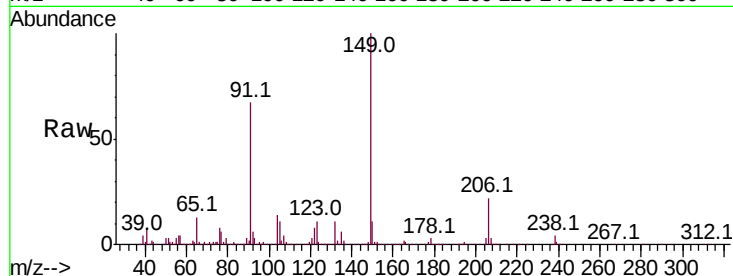
Tot Ion:149 Resp: 367080

Ion Ratio Lower Upper

149 100

91 67.2 56.8 85.2

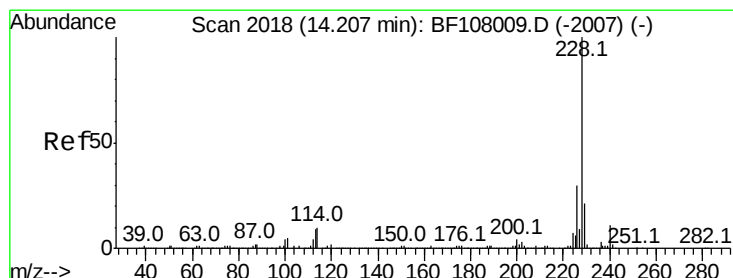
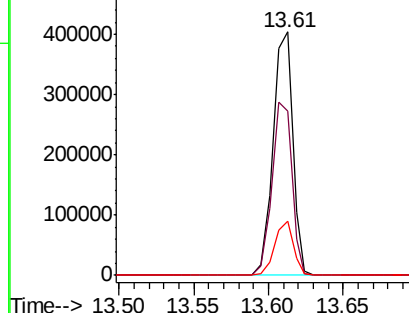
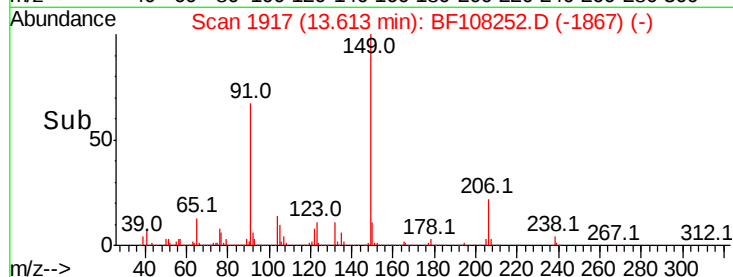
206 22.1 14.1 21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 32.074 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

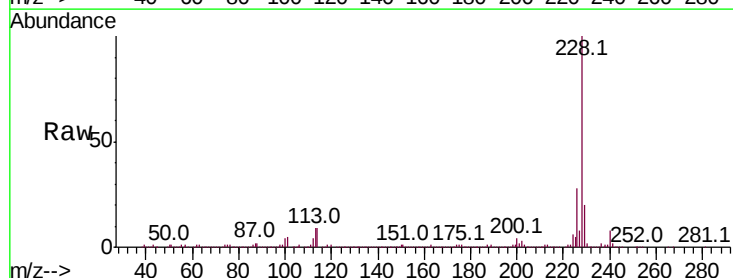
Tgt Ion:228 Resp: 836813

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

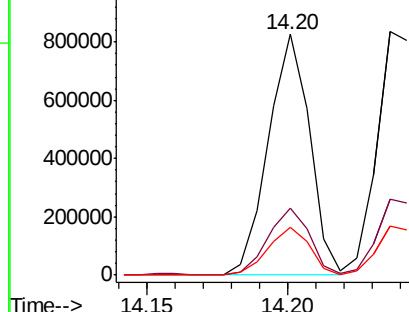
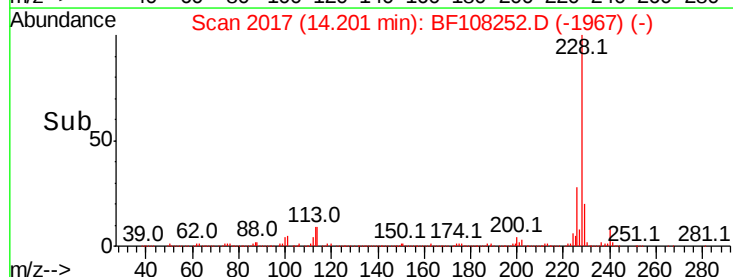
229 19.8 15.8 23.6

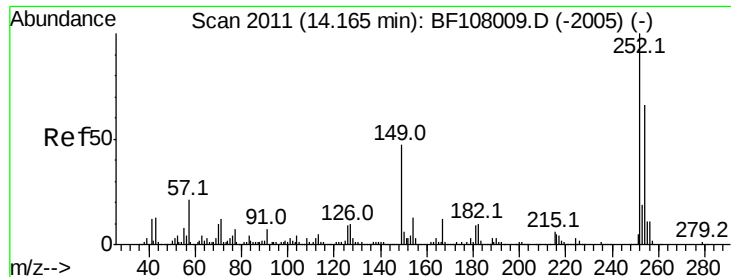


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

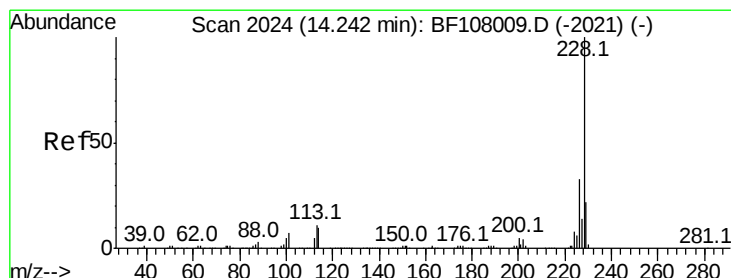
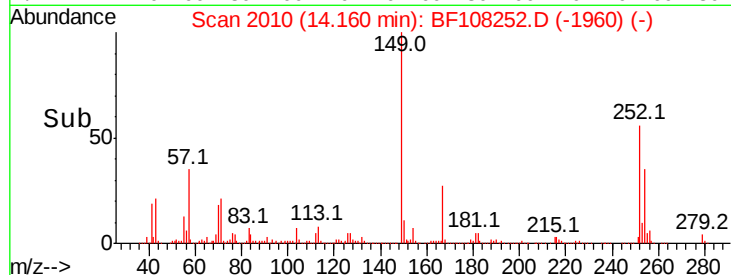
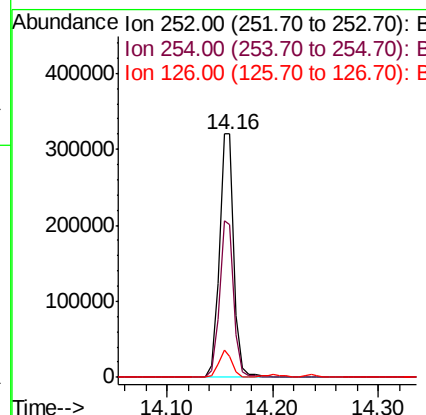
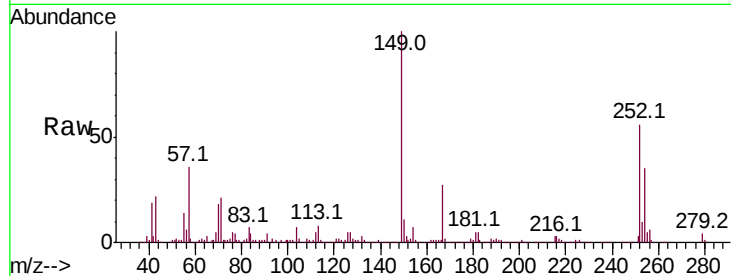




#81
 3,3'-Dichlorobenzidine
 Concen: 33.721 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

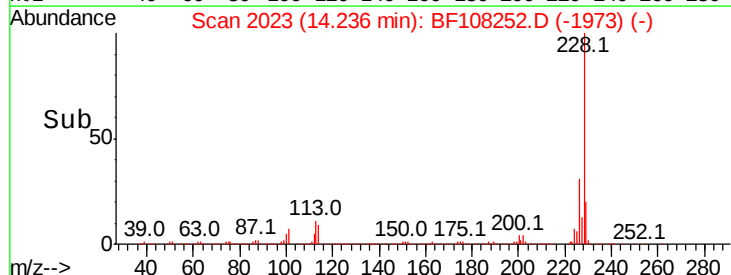
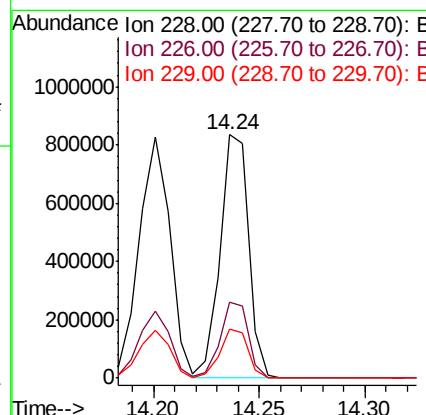
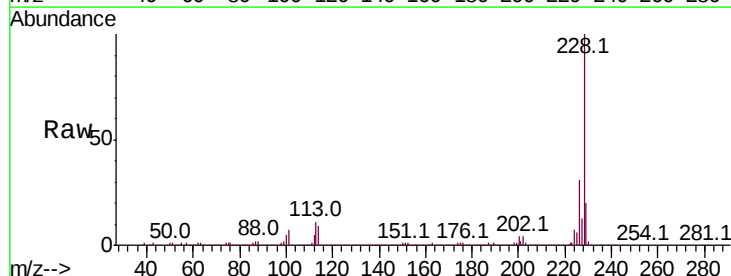
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

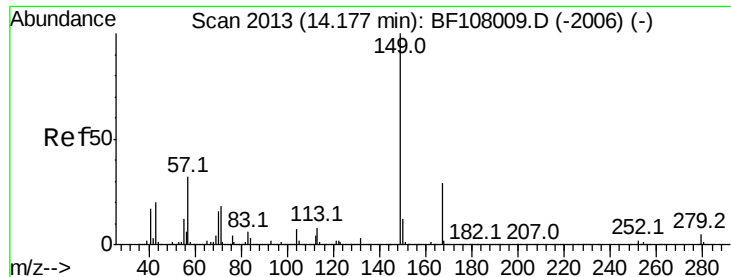
Tot Ion:252 Resp: 315286
 Ion Ratio Lower Upper
 252 100
 254 62.7 50.4 75.6
 126 8.5 11.3 16.9#



#82
 Chrysene
 Concen: 32.593 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion:228 Resp: 779600
 Ion Ratio Lower Upper
 228 100
 226 31.3 25.0 37.6
 229 20.3 16.2 24.4

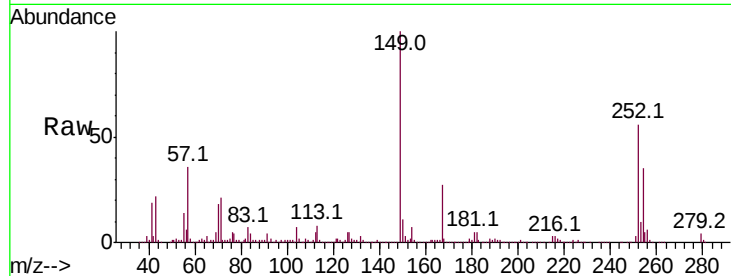




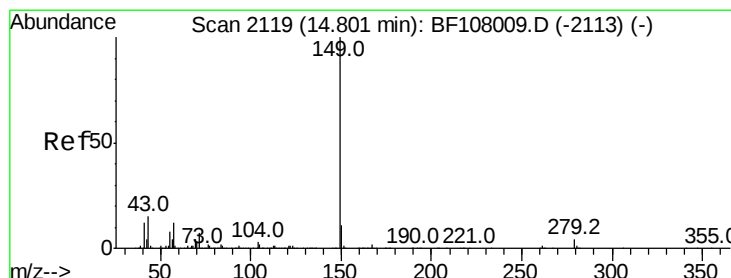
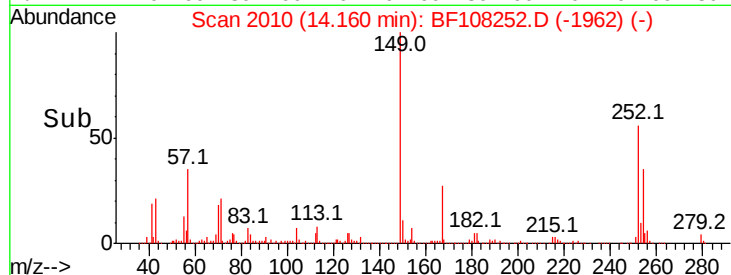
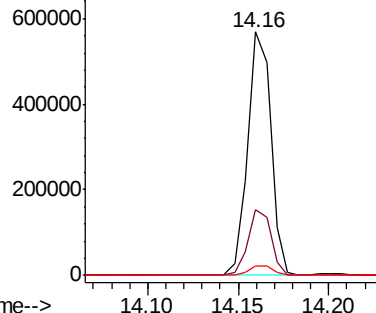
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 32.746 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.02 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	3.6	3.0	4.4

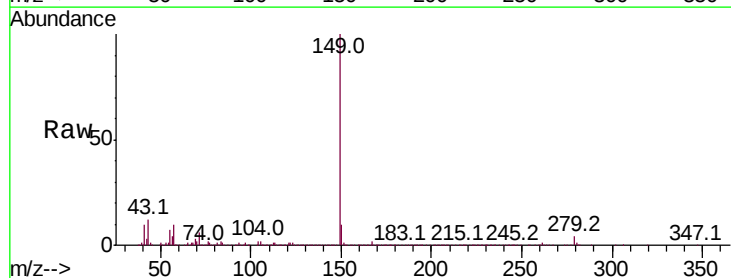


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

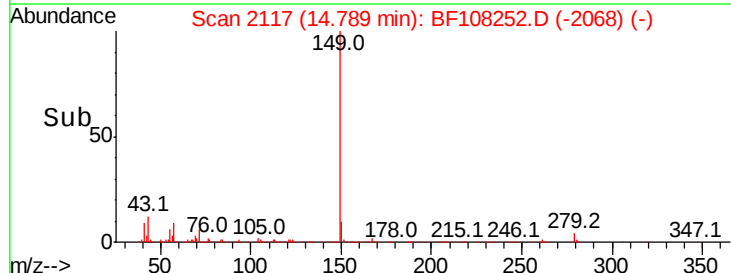
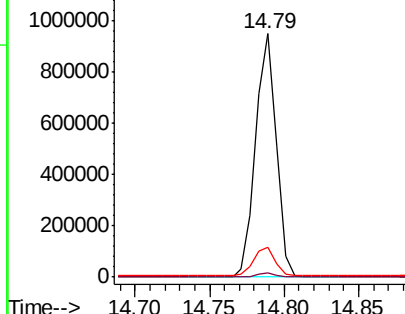


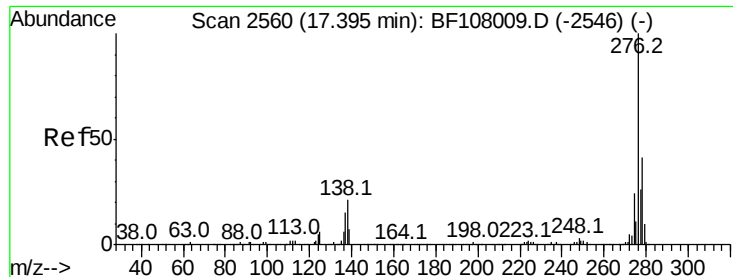
#84
 Di-n-octyl phthalate
 Concen: 37.953 ng
 RT: 14.79 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.0	8.4	12.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1

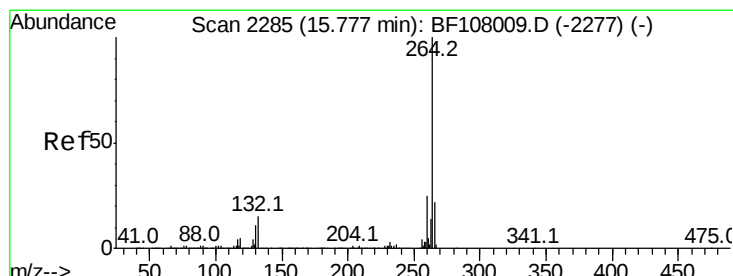
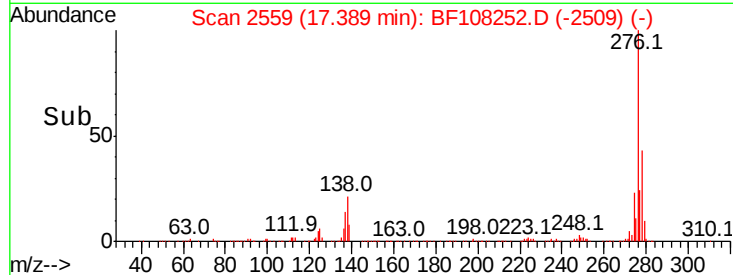
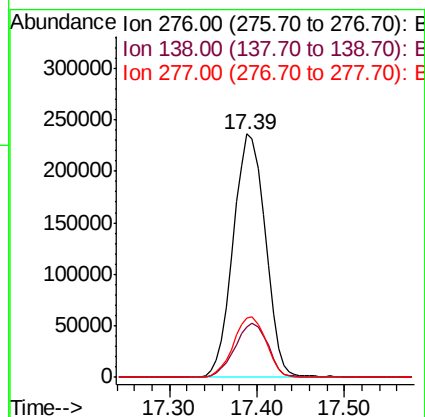
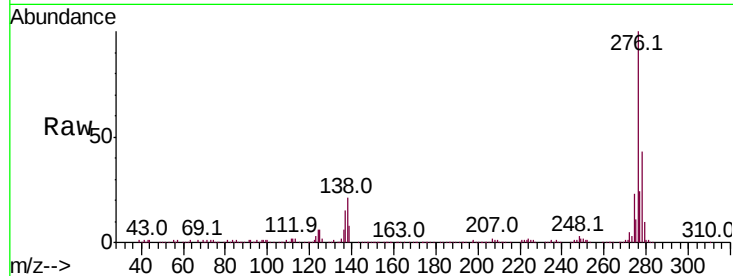




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 28.562 ng
 RT: 17.39 min Scan# 2559
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

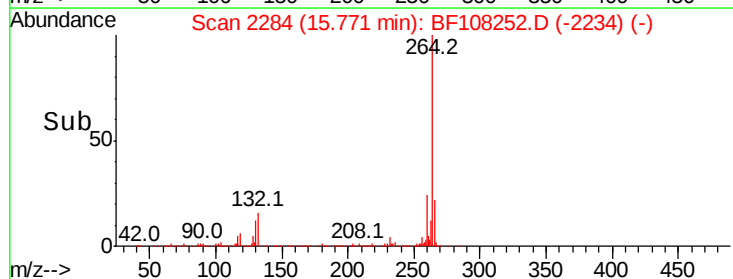
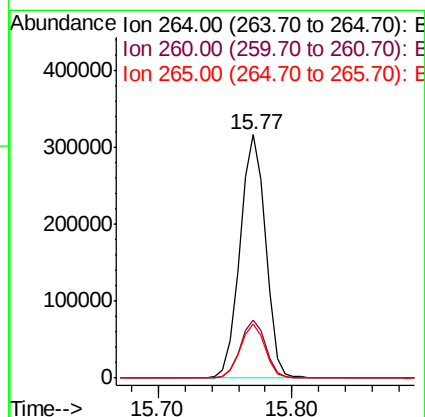
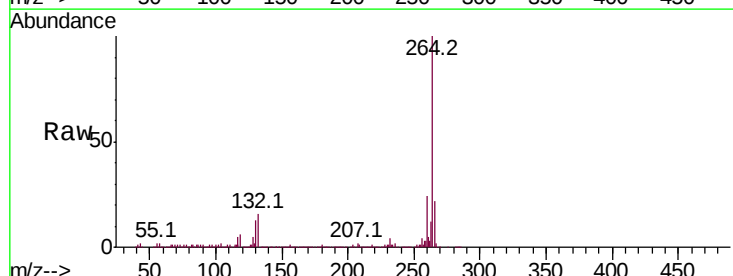
Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-020MSD

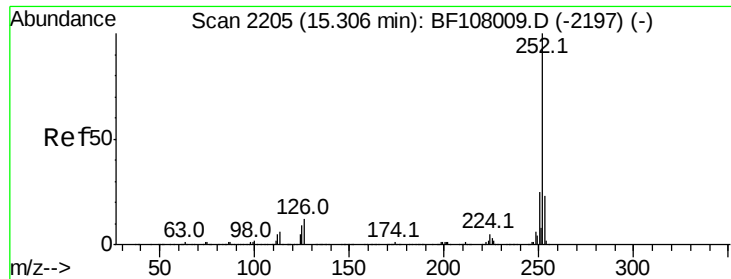
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.0	37.6#
277	25.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108252.D
 Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.2	17.5	26.3

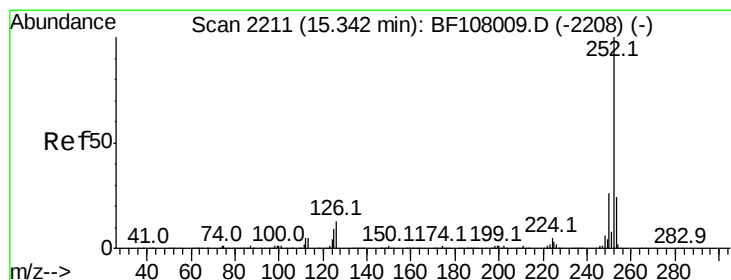
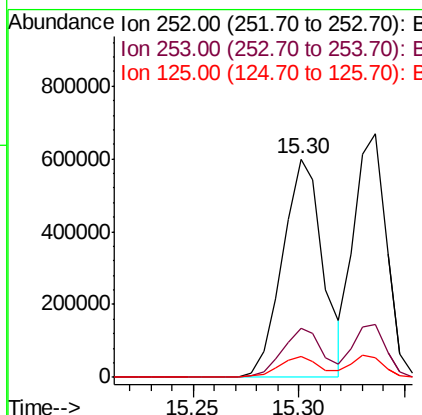
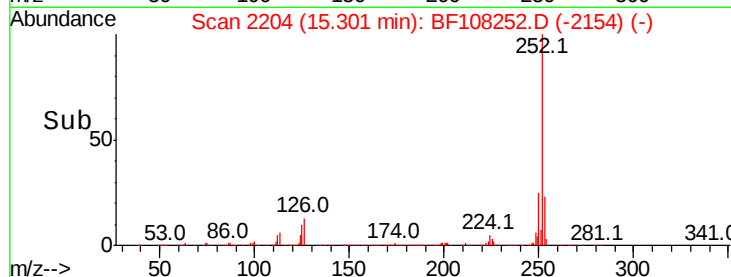
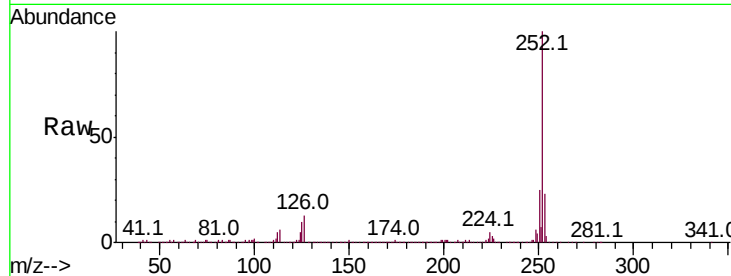




#87
Benzo(b)fluoranthene
Concen: 32.181 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

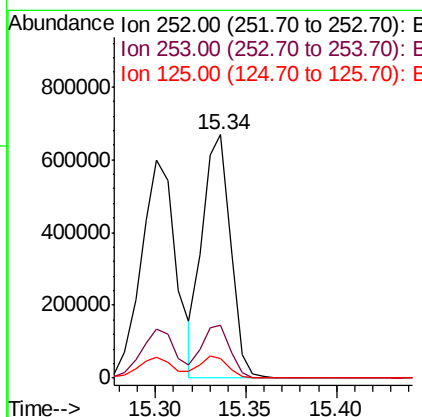
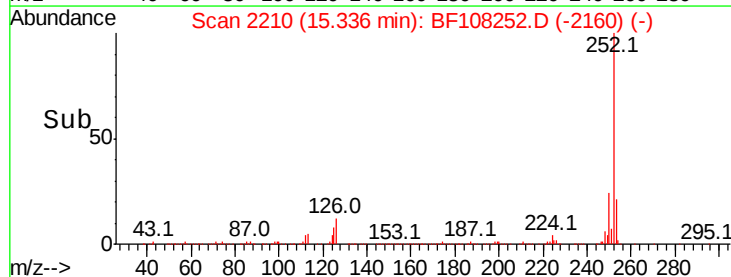
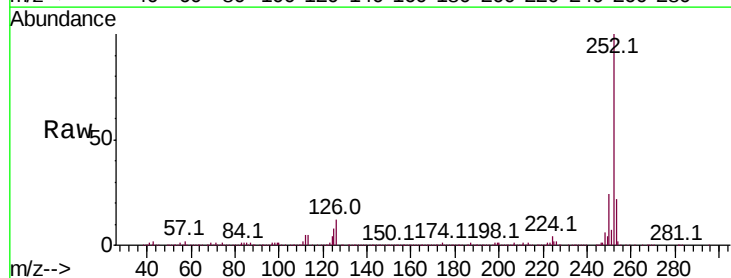
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

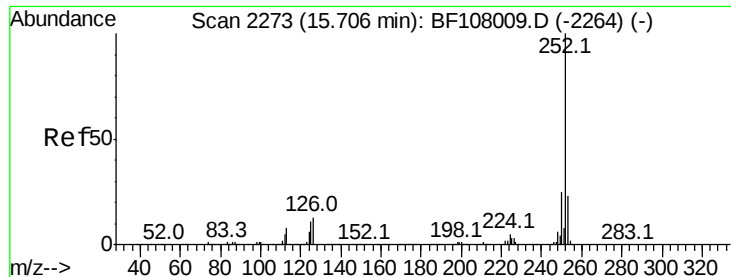
Tot Ion:252 Resp: 803989
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 9.8 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 31.373 ng
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion:252 Resp: 720502
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 8.2 10.2 15.2#

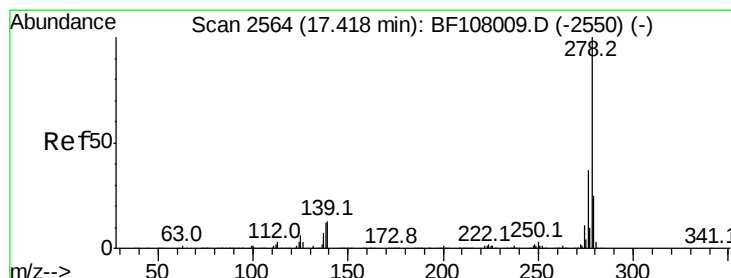
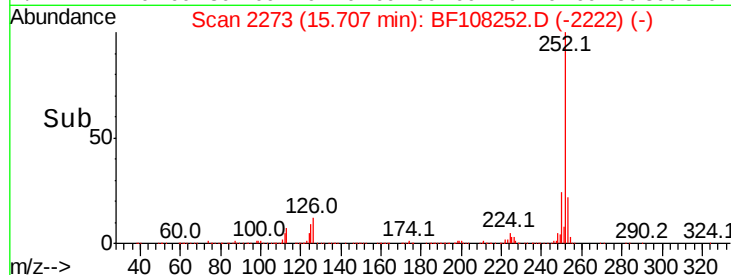
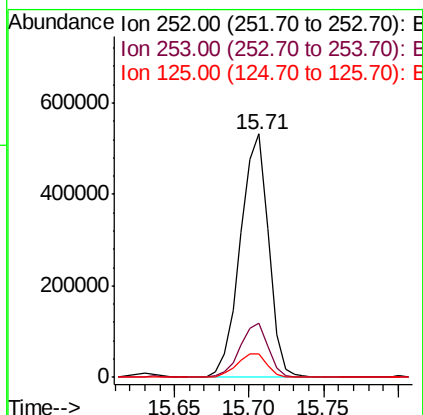
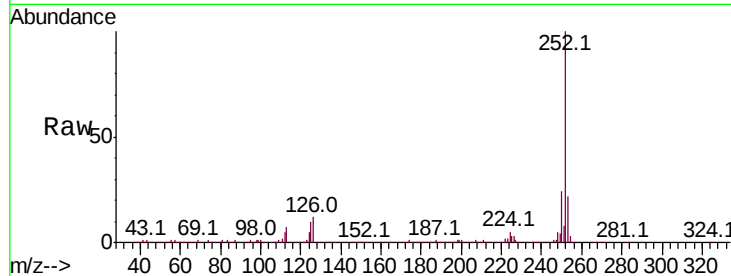




#89
Benzo(a)pyrene
Concen: 31.303 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

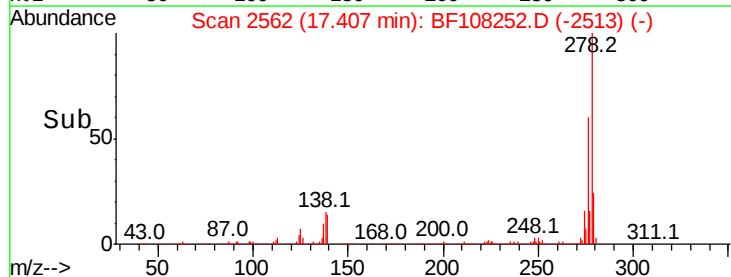
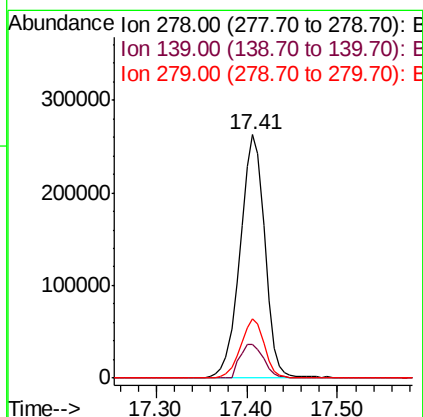
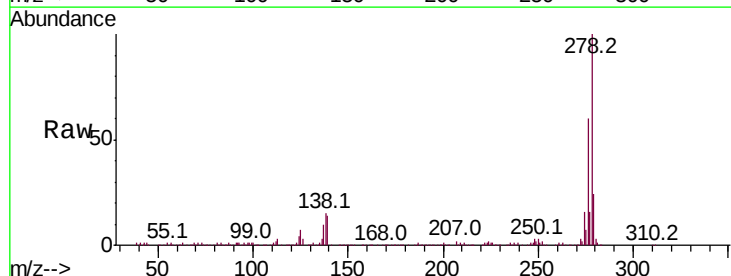
Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-020MSD

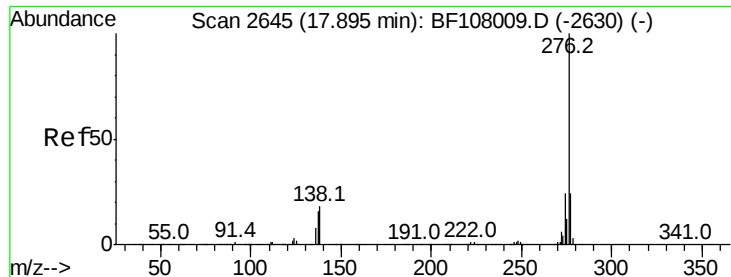
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	9.7	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 26.833 ng
RT: 17.41 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BF108252.D
Acq: 17 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.0	15.9	23.9
279	24.3	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 25.857 ng

RT: 17.88 min Scan# 2643

Delta R.T. -0.01 min

Lab File: BF108252.D

Acq: 17 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-020MSD

Tot Ion:276 Resp: 471293

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 19.4 21.8 32.8#

