

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
 Data File : BF108568.D
 Acq On : 28 Aug 2018 21:02
 Operator : JU/SJ
 Sample : J4535-04MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Quant Time: Aug 29 01:36:29 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	104823	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	397720	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	186860	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	314813	20.00	ng	0.00
75) Chrysene-d12	14.20	240	266673	20.00	ng	0.00
86) Perylene-d12	15.75	264	209930	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	546443	94.38	ng	0.01
7) Phenol-d6	6.64	99	719910	93.57	ng	0.00
23) Nitrobenzene-d5	7.57	82	473810	66.48	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	170770	91.62	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	806843	69.32	ng	-0.01
78) Terphenyl-d14	13.12	244	719839	68.63	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.90	88	67070	22.544	ng	93
3) Pyridine	3.70	79	178455	23.286	ng	87
4) n-Nitrosodimethylamine	3.65	42	106552	24.709	ng	# 79
6) Aniline	6.67	93	253884	24.259	ng	# 85
8) 2-Chlorophenol	6.79	128	210873	32.338	ng	91
9) Benzaldehyde	6.56	77	102482	17.180	ng	98
10) Phenol	6.65	94	262176	32.943	ng	82
11) bis(2-Chloroethyl)ether	6.73	93	201995	31.394	ng	91
12) 1,3-Dichlorobenzene	6.94	146	234098	31.048	ng	99
13) 1,4-Dichlorobenzene	7.02	146	240873	31.796	ng	98
14) 1,2-Dichlorobenzene	7.17	146	225351	31.981	ng	97
15) Benzyl Alcohol	7.14	79	191150	29.512	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.27	45	367160	27.700	ng	82
17) 2-Methylphenol	7.25	107	173487	31.024	ng	# 89
18) Hexachloroethane	7.51	117	77872	28.873	ng	94
19) n-Nitroso-di-n-propylamine	7.40	70	157252	30.224	ng	89
20) 3+4-Methylphenols	7.41	107	225977	31.534	ng	# 40
22) Acetophenone	7.41	105	307066	33.019	ng	# 88
24) Nitrobenzene	7.58	77	232037	32.195	ng	95
25) Isophorone	7.81	82	414961	30.545	ng	96
26) 2-Nitrophenol	7.90	139	97984	35.999	ng	95
27) 2,4-Dimethylphenol	7.93	122	175557	29.116	ng	97
28) bis(2-Chloroethoxy)methane	8.02	93	250999	31.649	ng	98
29) 2,4-Dichlorophenol	8.14	162	184367	33.227	ng	99
30) 1,2,4-Trichlorobenzene	8.22	180	194397	31.776	ng	95
31) Naphthalene	8.31	128	608774	33.657	ng	100
32) Benzoic acid	8.01	122	21288	11.301	ng	94
33) 4-Chloroaniline	8.35	127	203538	25.822	ng	96
34) Hexachlorobutadiene	8.41	225	126870	32.759	ng	99
35) Caprolactam	8.71	113	51312	29.509	ng	# 75
36) 4-Chloro-3-methylphenol	8.84	107	187589	31.339	ng	96
37) 2-Methylnaphthalene	9.00	142	411970	32.192	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.16	216	203892	35.532	ng	# 96
40) Hexachlorocyclopentadiene	9.14	237	38163	10.296	ng	97

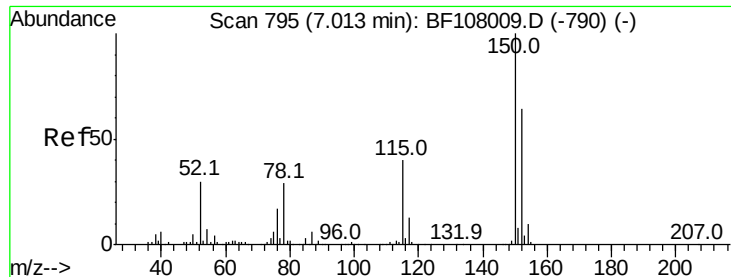
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	129696	36.422	ng	100
43) 2,4,5-Trichlorophenol	9.32	196	134915	34.418	ng	93
45) 1,1'-Biphenyl	9.46	154	494215	35.872	ng	98
46) 2-Chloronaphthalene	9.49	162	375405	34.476	ng	99
47) 2-Nitroaniline	9.59	65	123932	35.175	ng	85
48) Acenaphthylene	9.91	152	583439	33.892	ng	100
49) Dimethylphthalate	9.75	163	502600	38.613	ng	99
50) 2,6-Dinitrotoluene	9.82	165	92293	33.890	ng	90
51) Acenaphthene	10.08	154	330979	31.391	ng	98
52) 3-Nitroaniline	10.01	138	87680	29.427	ng	100
53) 2,4-Dinitrophenol	10.11	184	10762	16.654	ng	# 23
54) Dibenzofuran	10.25	168	498307	32.621	ng	98
55) 4-Nitrophenol	10.17	139	109323	48.452	ng	# 79
56) 2,4-Dinitrotoluene	10.24	165	115987	33.088	ng	98
57) Fluorene	10.60	166	392845	32.486	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.37	232	96859	29.563	ng	# 90
59) Diethylphthalate	10.45	149	426980	33.876	ng	97
60) 4-Chlorophenyl-phenylether	10.58	204	199476	31.657	ng	92
61) 4-Nitroaniline	10.62	138	83348	28.293	ng	95
62) Azobenzene	10.74	77	396257	30.442	ng	94
64) 4,6-Dinitro-2-methylphenol	10.64	198	13196	15.277	ng	91
65) n-Nitrosodiphenylamine	10.70	169	347406	37.343	ng	96
66) 4-Bromophenyl-phenylether	11.08	248	121045	35.381	ng	# 84
67) Hexachlorobenzene	11.15	284	121243	33.682	ng	# 84
68) Atrazine	11.22	200	112154	35.944	ng	95
69) Pentachlorophenol	11.35	266	98658	57.262	ng	100
70) Phenanthrene	11.57	178	504075	33.948	ng	99
71) Anthracene	11.62	178	513485	33.740	ng	100
72) Carbazole	11.78	167	442828	32.750	ng	99
73) Di-n-butylphthalate	12.08	149	559829	36.553	ng	100
74) Fluoranthene	12.76	202	520319	32.108	ng	95
76) Benzidine	12.88	184	272883	27.388	ng	98
77) Pyrene	12.99	202	515751	30.548	ng	100
79) Butylbenzylphthalate	13.59	149	218424	32.581	ng	96
80) Benzo(a)anthracene	14.19	228	497841	32.529	ng	99
81) 3,3'-Dichlorobenzidine	14.14	252	181861	33.158	ng	# 98
82) Chrysene	14.22	228	463706	33.049	ng	100
83) Bis(2-ethylhexyl)phthalate	14.14	149	301051	33.161	ng	99
84) Di-n-octyl phthalate	14.77	149	530236	38.296	ng	96
85) Indeno(1,2,3-cd)pyrene	17.37	276	334083	27.480	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	425026	33.882	ng	# 96
88) Benzo(k)fluoranthene	15.32	252	392683	34.054	ng	# 94
89) Benzo(a)pyrene	15.69	252	367472	32.714	ng	# 96
90) Dibenzo(a,h)anthracene	17.38	278	288016	30.989	ng	# 92
91) Benzo(g,h,i)perylene	17.87	276	264539	28.905	ng	# 89

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

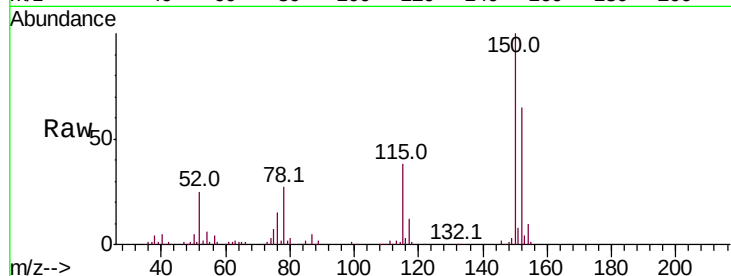


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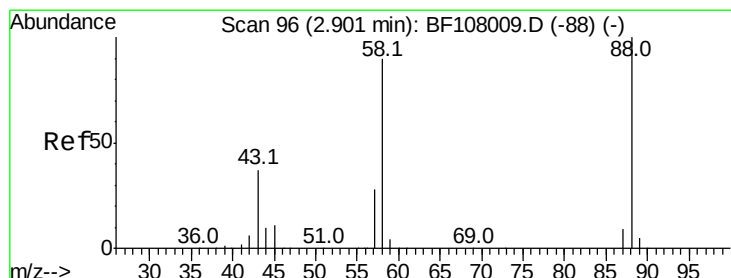
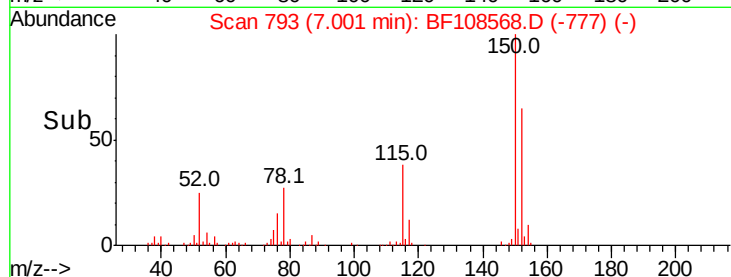
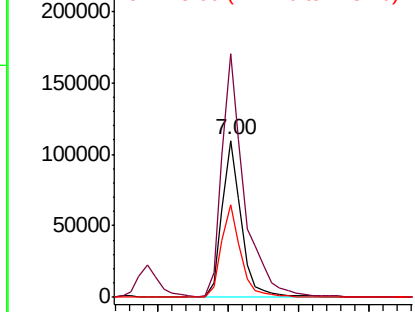
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion:152 Resp: 104823
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 58.8 50.1 75.1



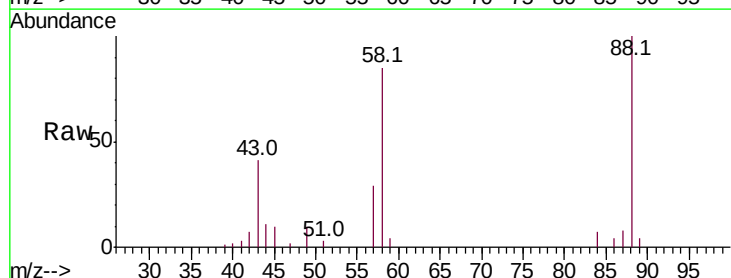
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



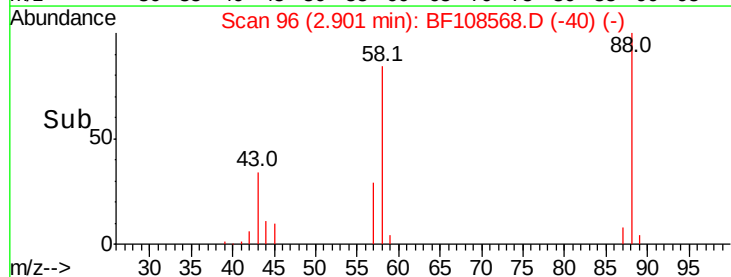
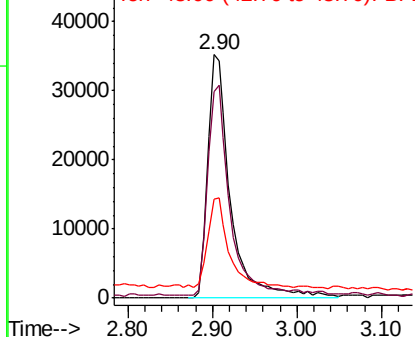
#2

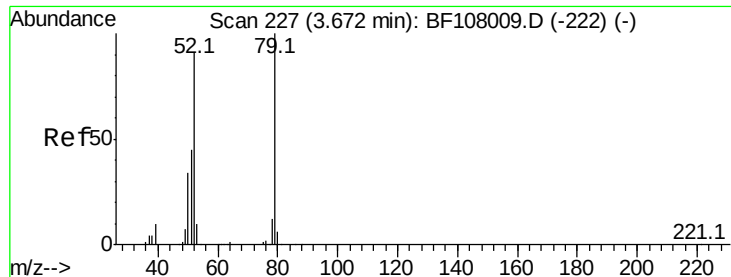
1,4-Dioxane
Concen: 22.544 ng
RT: 2.90 min Scan# 96
Delta R.T. 0.03 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion: 88 Resp: 67070
Ion Ratio Lower Upper
88 100
58 84.4 62.6 93.8
43 34.8 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: 23.286 ng

RT: 3.70 min Scan# 231

Delta R.T. 0.04 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

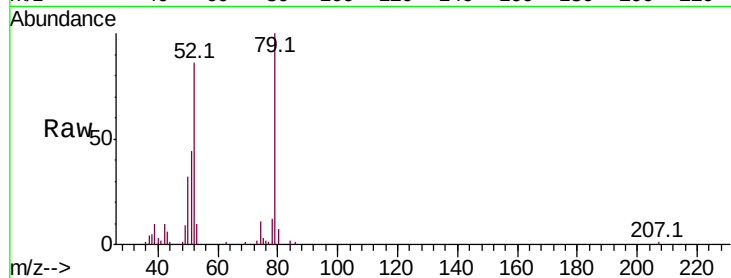
Tot Ion: 79 Resp: 178455

Ion Ratio Lower Upper

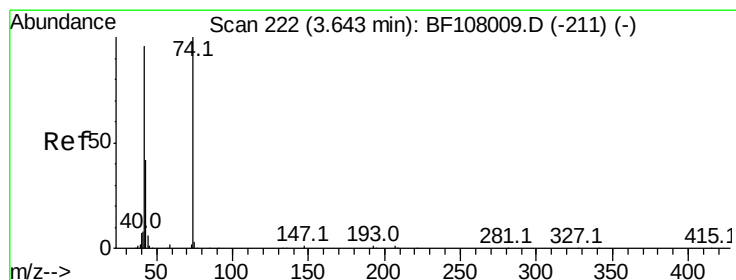
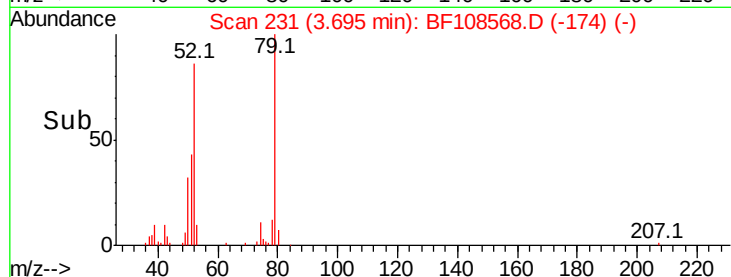
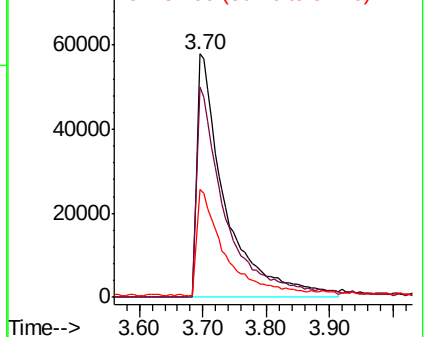
79 100

52 86.4 59.8 89.6

51 44.4 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: 24.709 ng

RT: 3.65 min Scan# 223

Delta R.T. 0.02 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

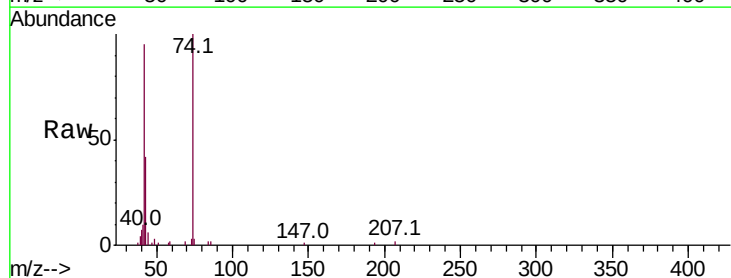
Tgt Ion: 42 Resp: 106552

Ion Ratio Lower Upper

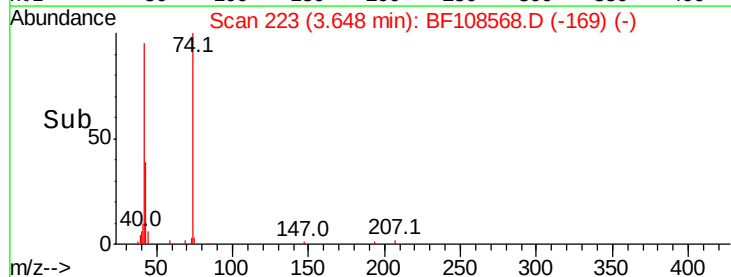
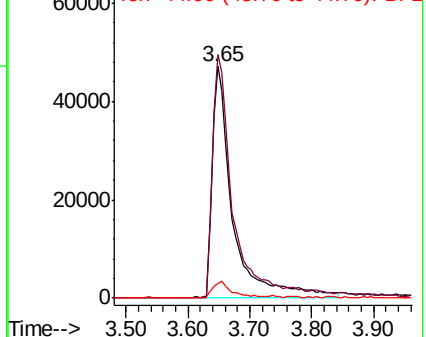
42 100

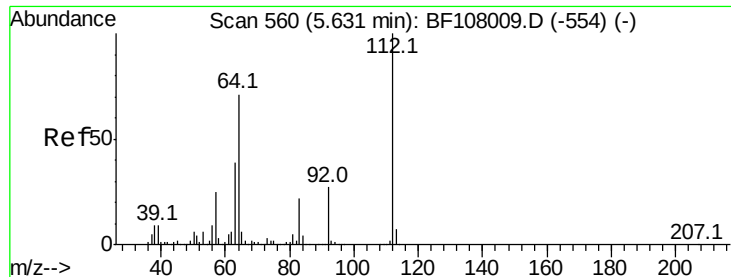
74 105.0 104.9 157.3

44 6.0 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: 94.379 ng

RT: 5.64 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

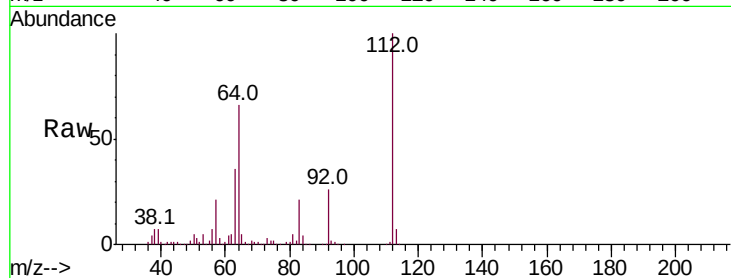
Tot Ion:112 Resp: 546443

Ion Ratio Lower Upper

112 100

64 66.0 47.9 71.9

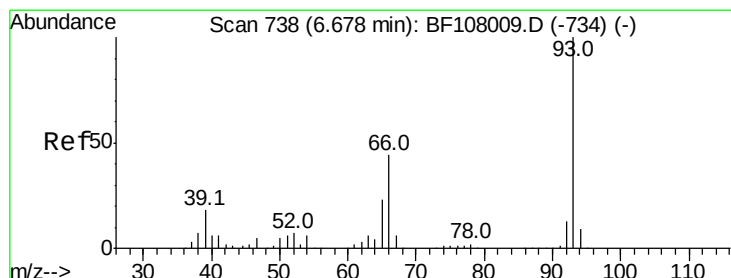
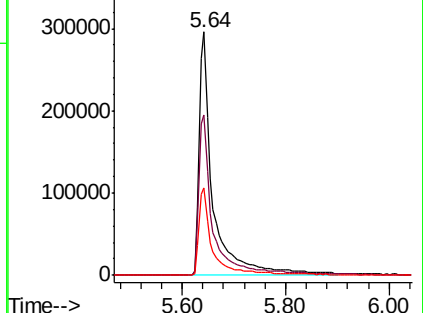
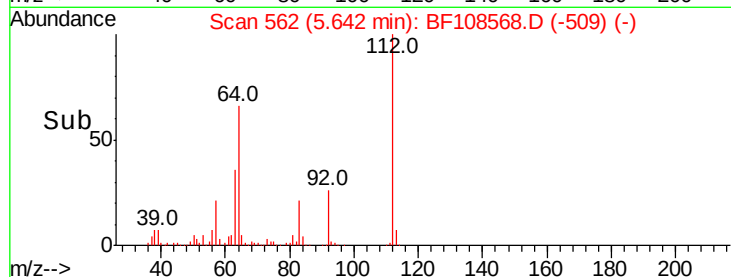
63 36.1 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.259 ng

RT: 6.67 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

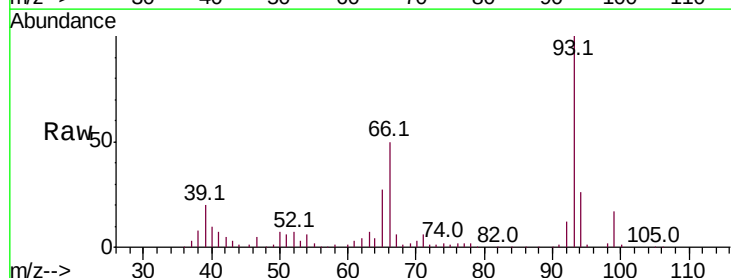
Tgt Ion: 93 Resp: 253884

Ion Ratio Lower Upper

93 100

66 49.9 32.2 48.2#

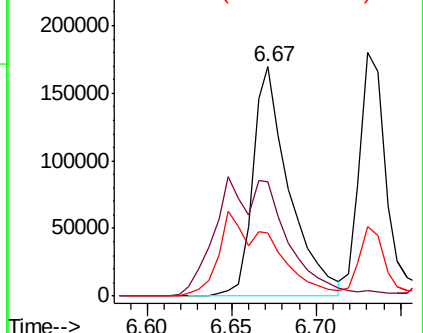
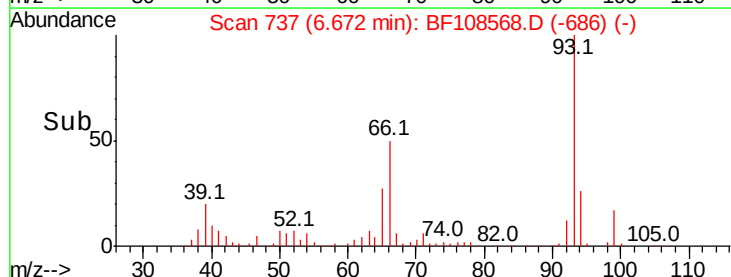
65 27.3 16.4 24.6#

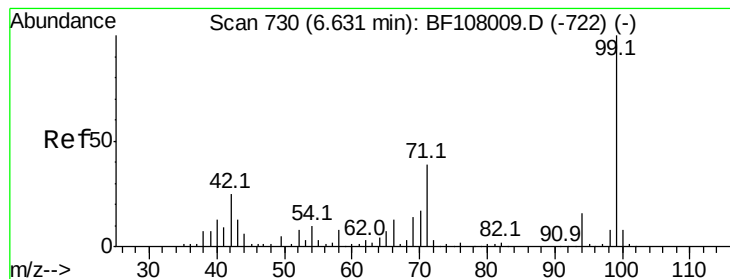


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 93.568 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

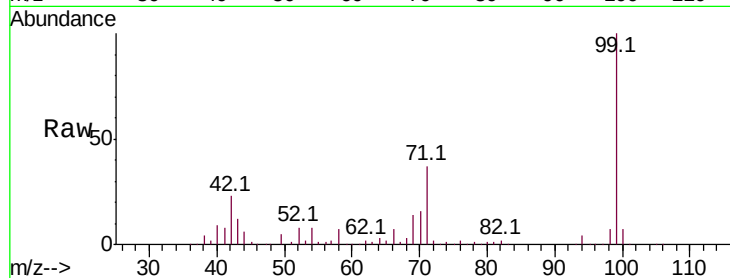
BNA_F

ClientSampleId :

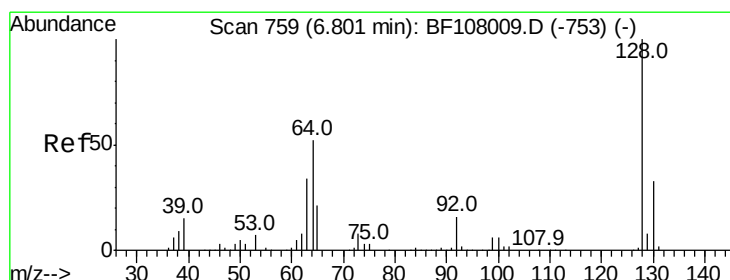
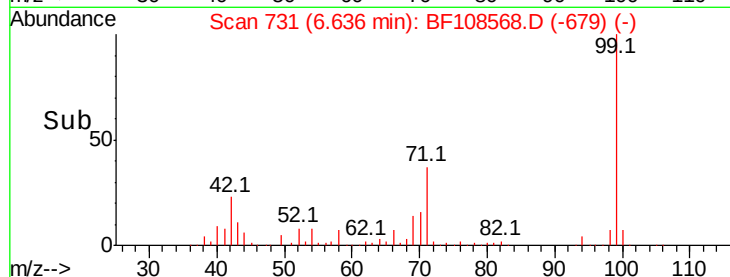
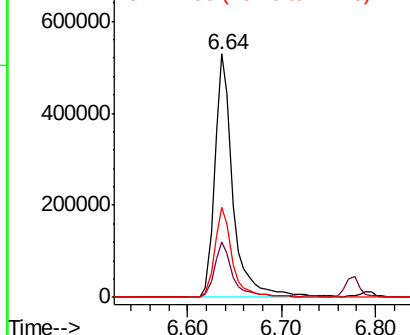
RA-081618-FL-036MSD

Tot Ion: 99 Resp: 719910

Ion	Ratio	Lower	Upper
99	100		
42	22.6	14.5	21.7#
71	37.0	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: 32.338 ng

RT: 6.79 min Scan# 757

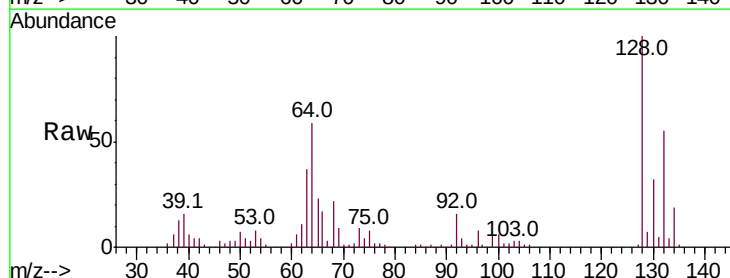
Delta R.T. -0.01 min

Lab File: BF108568.D

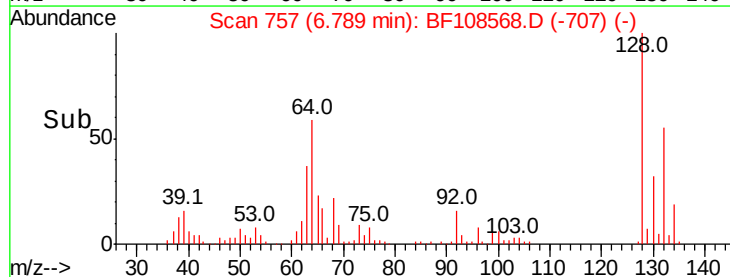
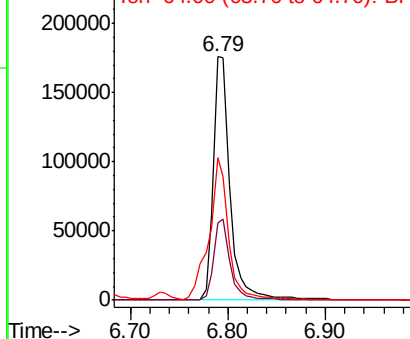
Acq: 28 Aug 2018 21:02

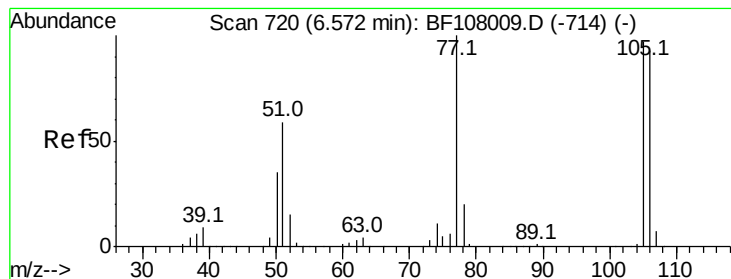
Tgt Ion:128 Resp: 210873

Ion	Ratio	Lower	Upper
128	100		
130	31.7	13.0	53.0
64	58.6	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: 17.180 ng

RT: 6.56 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

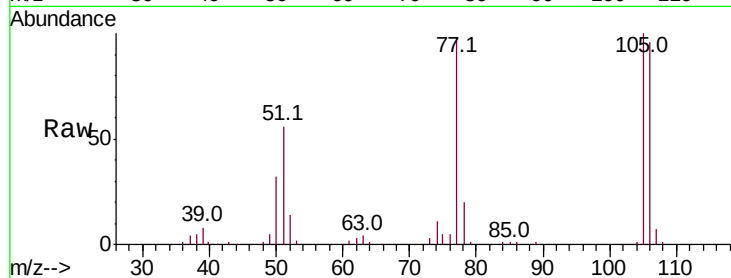
Tot Ion: 77 Resp: 102482

Ion Ratio Lower Upper

77 100

105 102.0 81.1 121.1

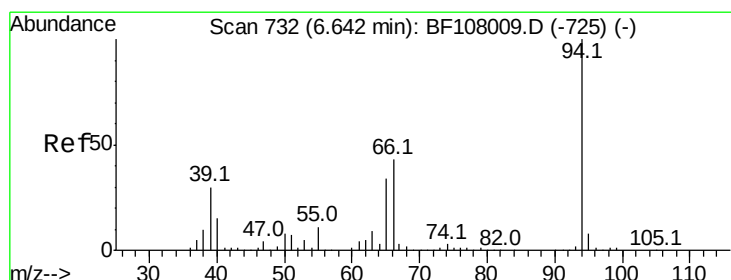
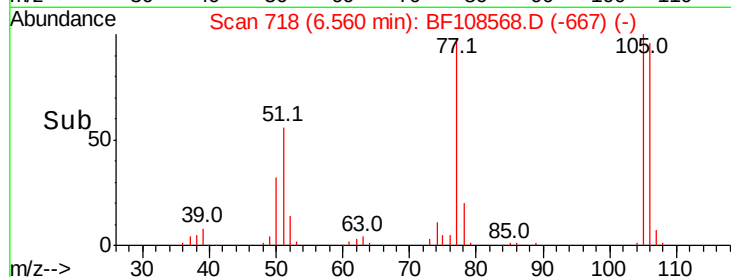
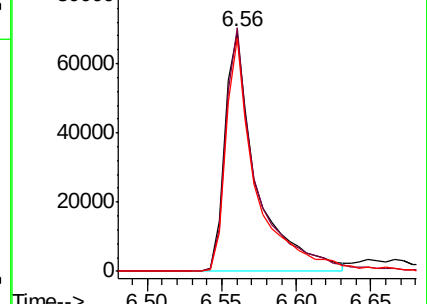
106 97.8 74.5 114.5



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: 32.943 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

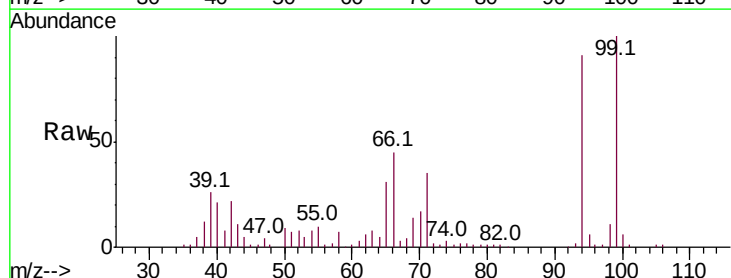
Tgt Ion: 94 Resp: 262176

Ion Ratio Lower Upper

94 100

65 34.5 7.9 47.9

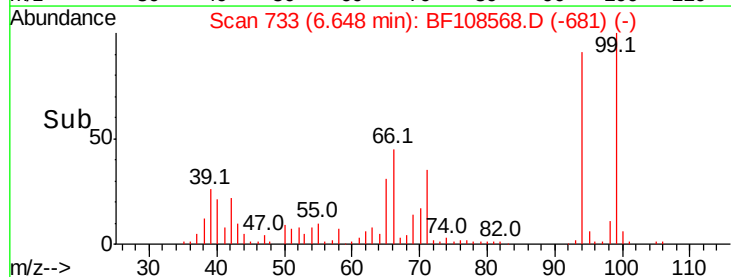
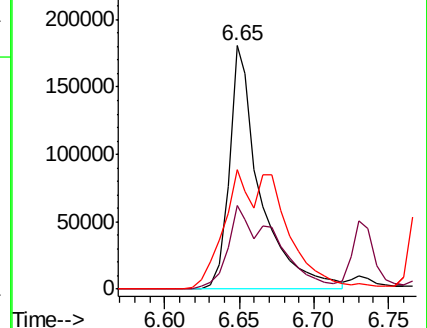
66 49.1 16.2 56.2

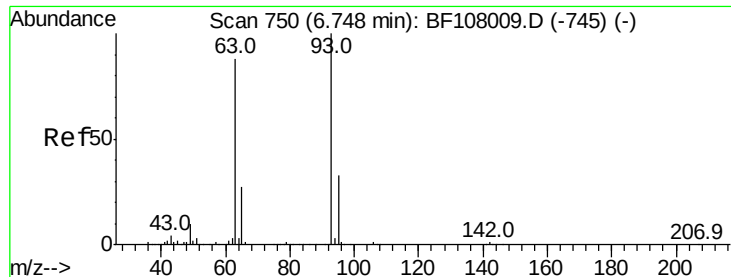


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 31.394 ng

RT: 6.73 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

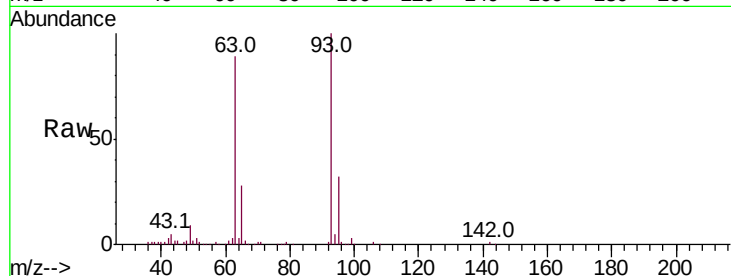
Tot Ion: 93 Resp: 201995

Ion Ratio Lower Upper

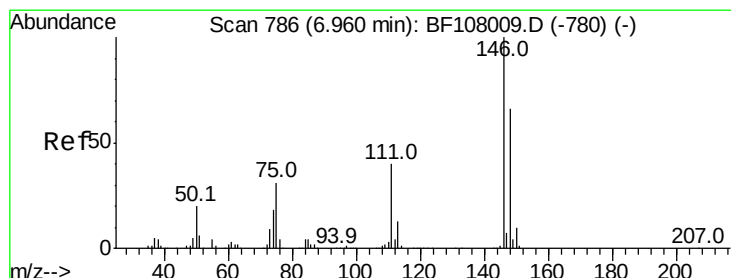
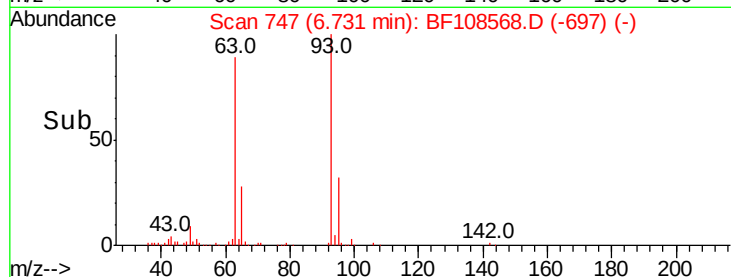
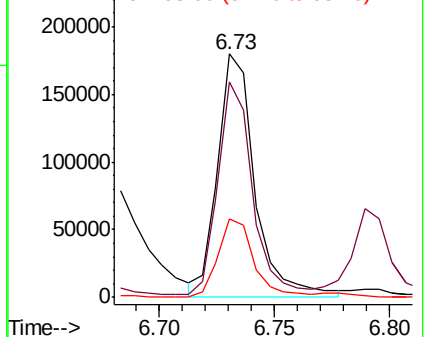
93 100

63 88.7 58.6 98.6

95 32.4 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 31.048 ng

RT: 6.94 min Scan# 783

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

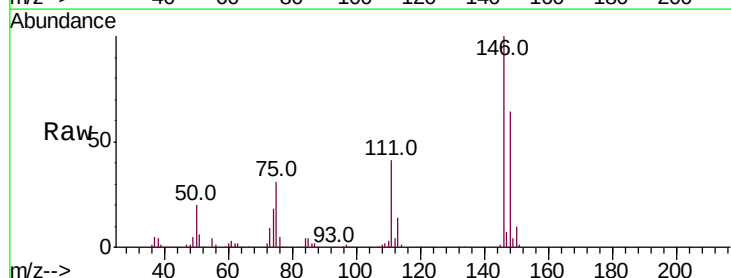
Tgt Ion: 146 Resp: 234098

Ion Ratio Lower Upper

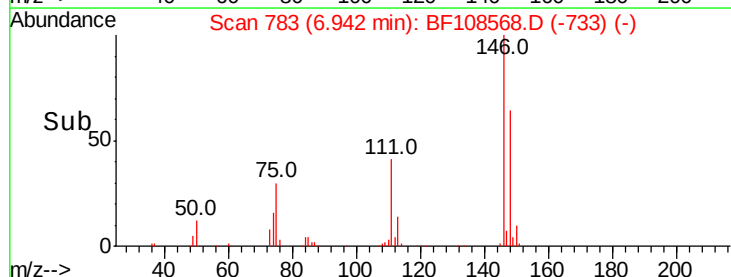
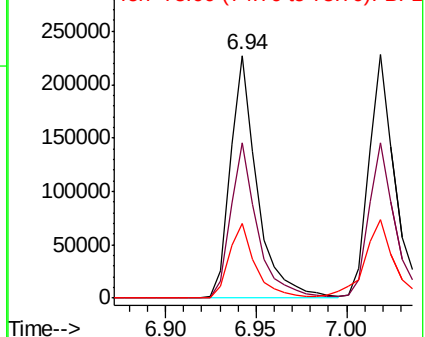
146 100

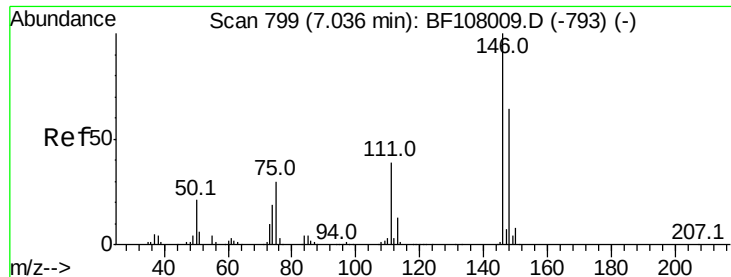
148 64.1 51.8 77.8

75 30.8 24.2 36.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

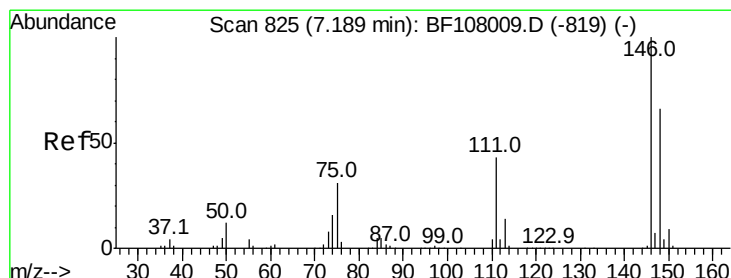
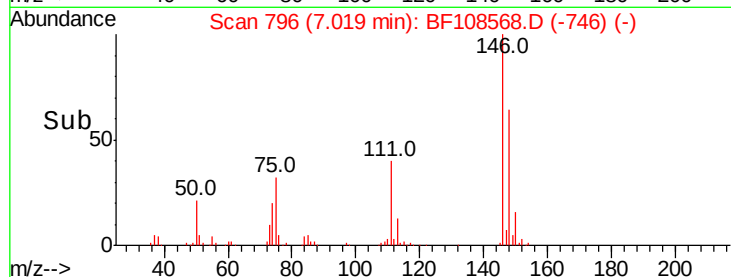
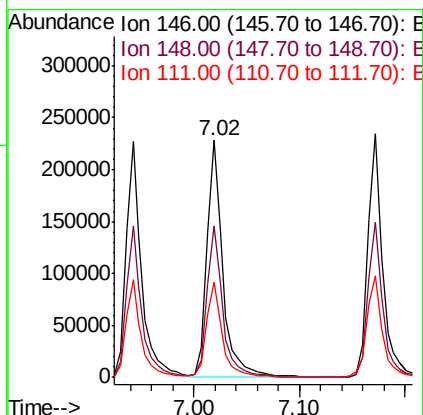
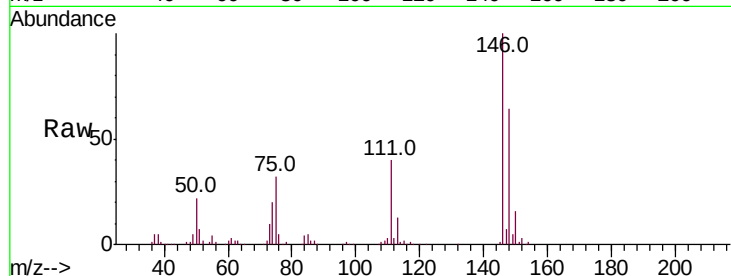




#13
 1,4-Dichlorobenzene
 Concen: 31.796 ng
 RT: 7.02 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

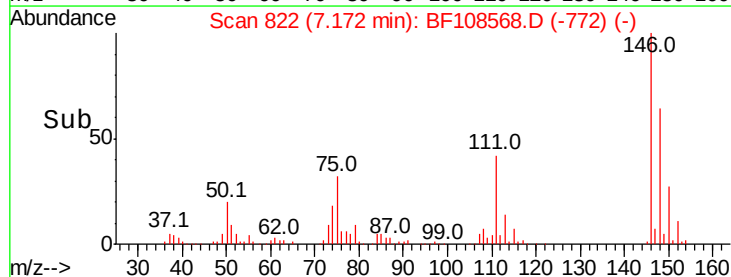
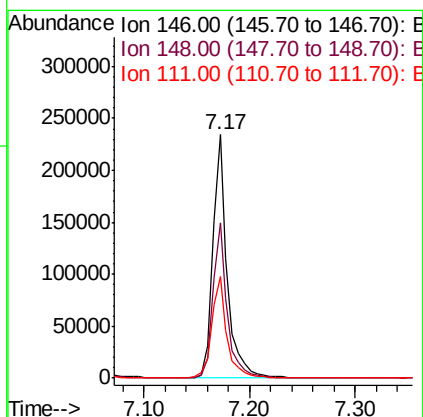
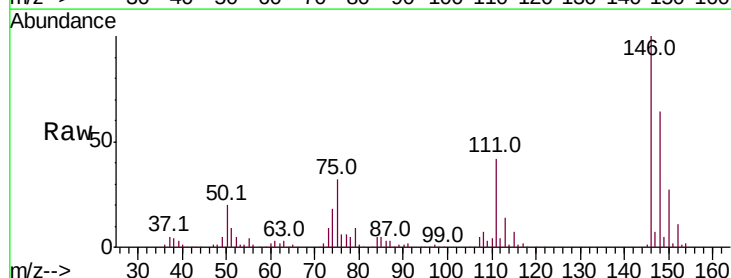
Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

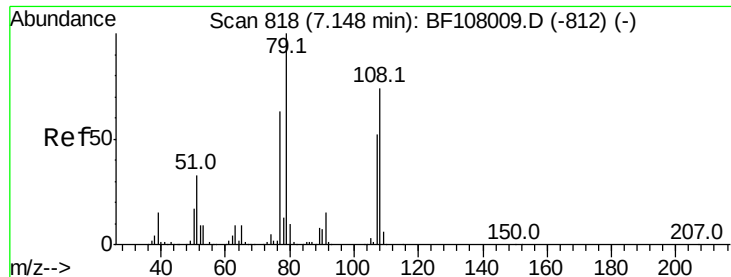
Tot Ion:146 Resp: 240873
 Ion Ratio Lower Upper
 146 100
 148 63.9 50.8 76.2
 111 40.3 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 31.981 ng
 RT: 7.17 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion:146 Resp: 225351
 Ion Ratio Lower Upper
 146 100
 148 63.7 50.6 75.8
 111 41.5 36.0 54.0





#15

Benzyl Alcohol

Concen: 29.512 ng

RT: 7.14 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

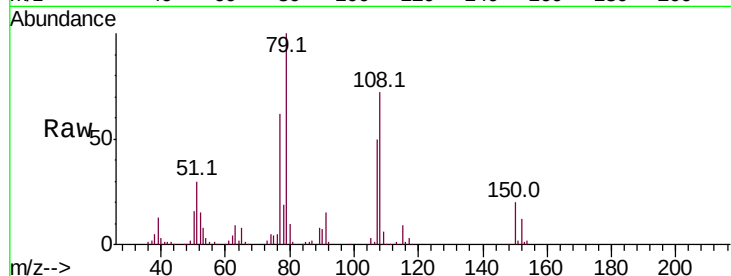
Tot Ion: 79 Resp: 191150

Ion Ratio Lower Upper

79 100

108 72.1 65.1 97.7

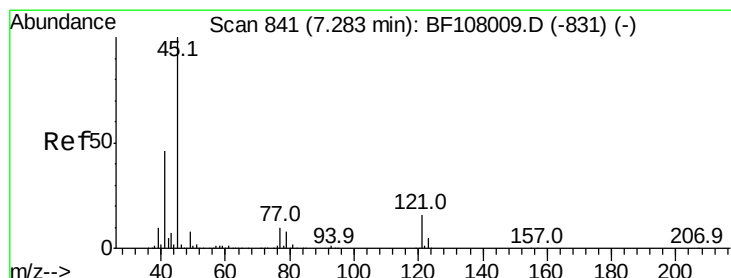
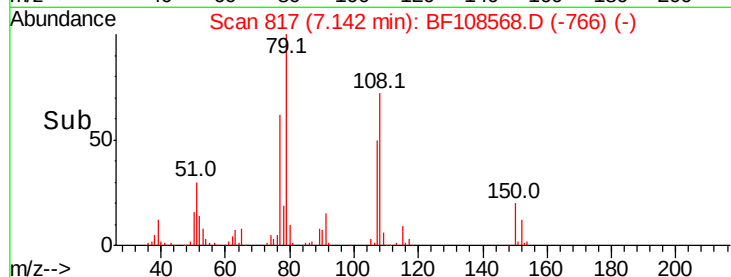
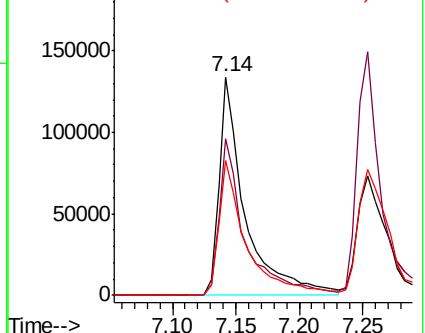
77 62.0 50.6 75.8



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: 27.700 ng

RT: 7.27 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

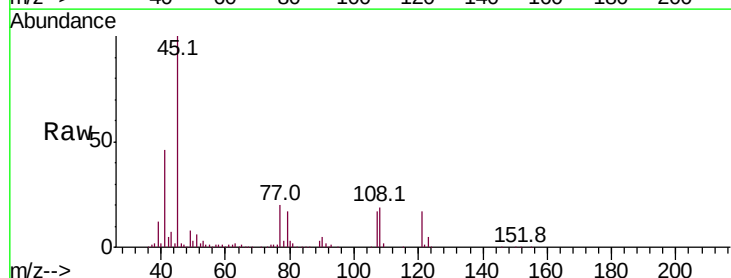
Tgt Ion: 45 Resp: 367160

Ion Ratio Lower Upper

45 100

77 19.7 0.0 32.9

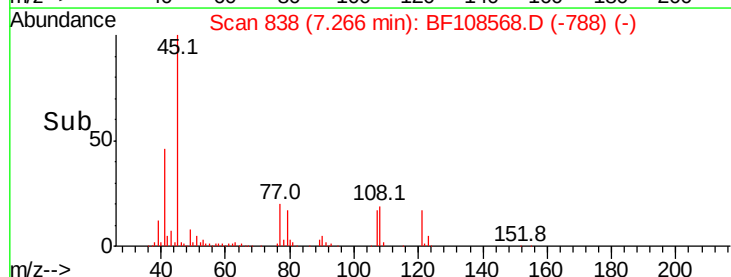
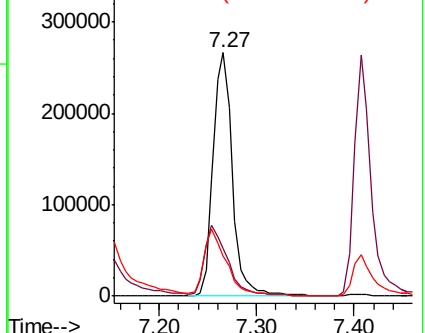
79 16.5 0.0 29.6

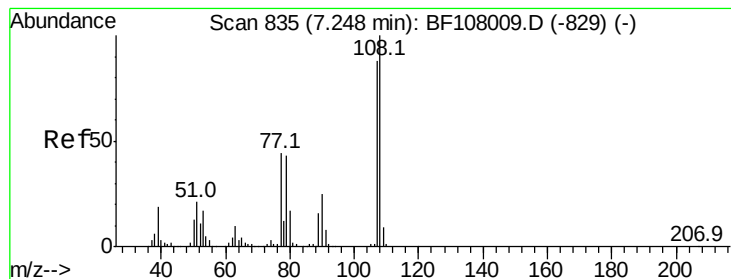


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

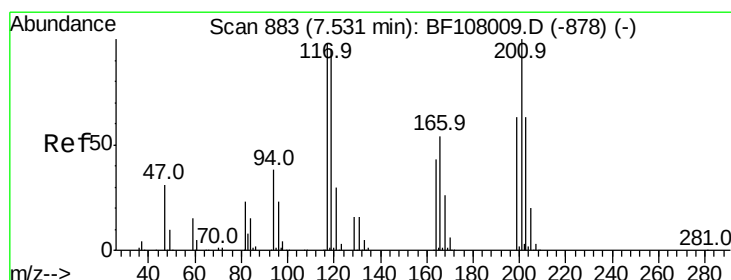
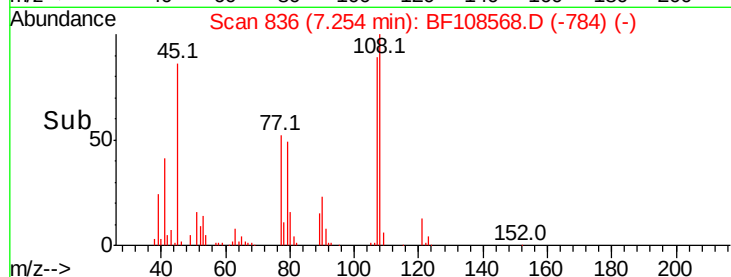
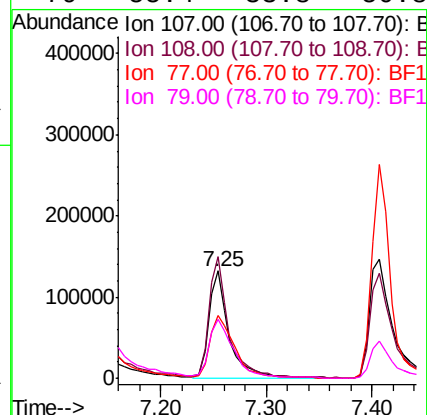
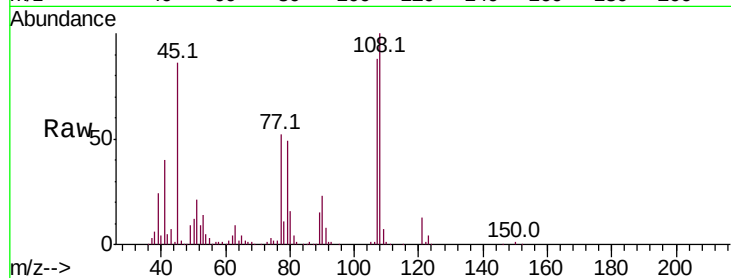




#17
2-Methylphenol
Concen: 31.024 ng
RT: 7.25 min Scan# 836
Delta R.T. 0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

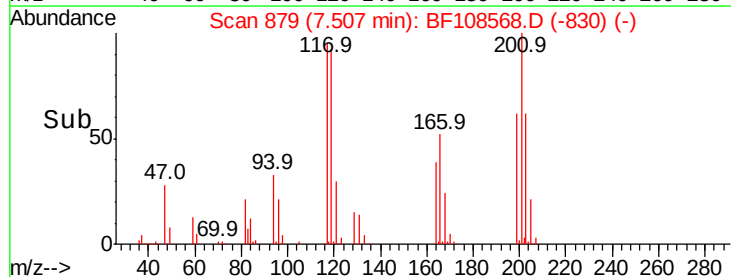
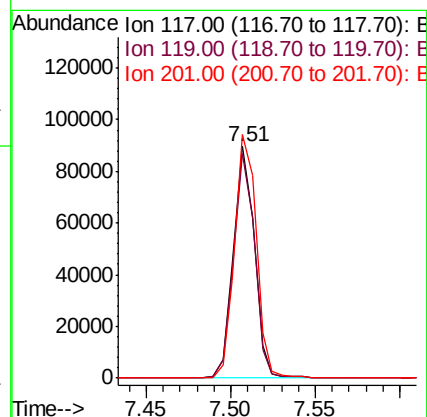
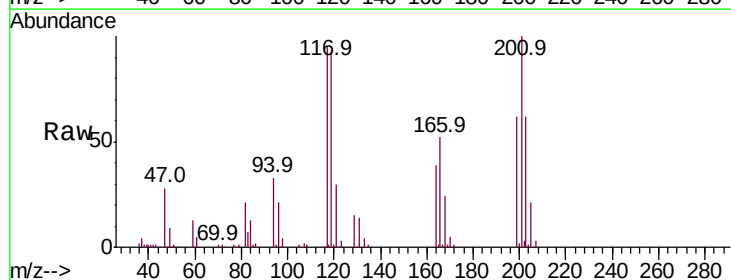
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

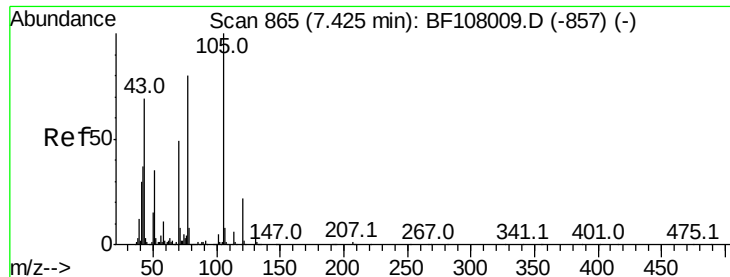
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.7	137.5
77	58.7	33.8	50.8#
79	55.4	33.8	50.8#



#18
Hexachloroethane
Concen: 28.873 ng
RT: 7.51 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.8
201	105.0	75.7	113.5

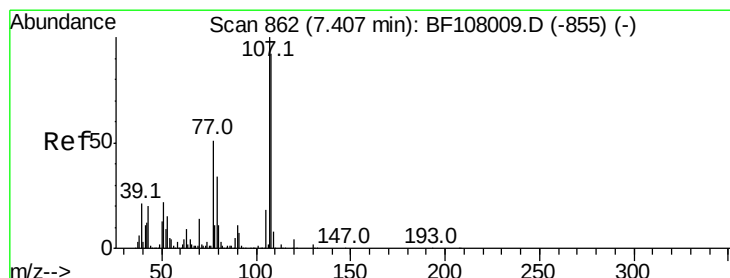
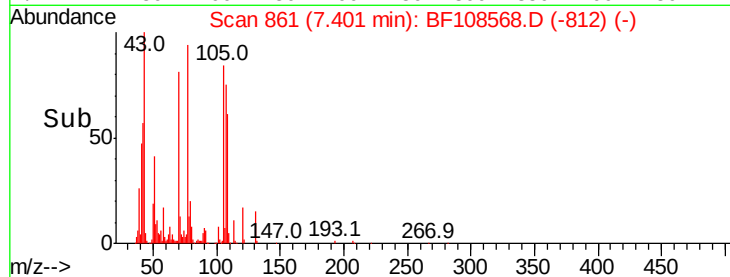
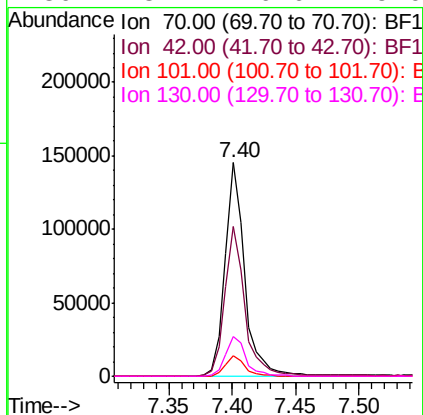
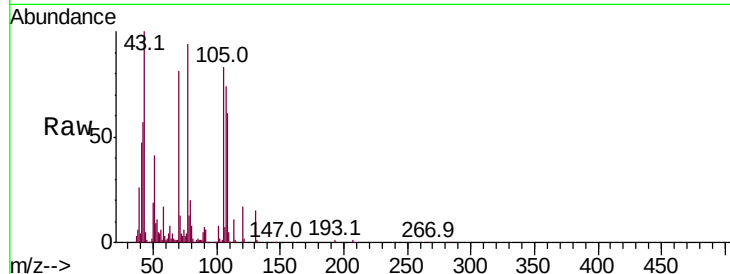




#19
n-Nitroso-di-n-propylamine
Concen: 30.224 ng
RT: 7.40 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

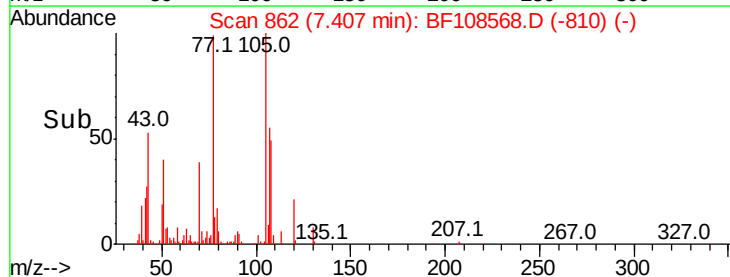
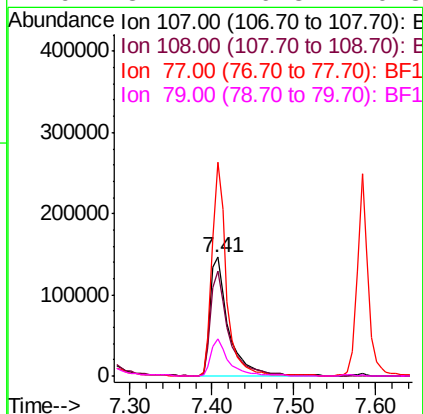
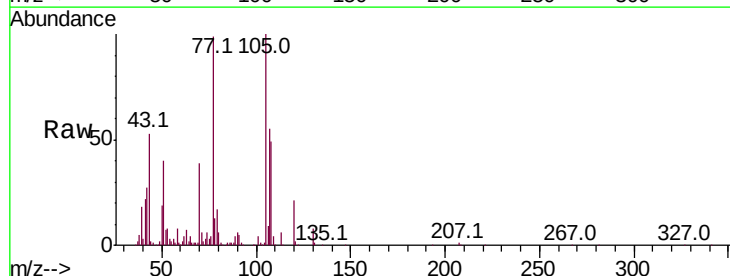
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

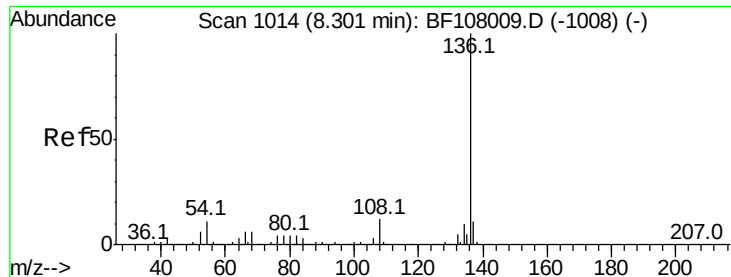
Tot Ion: 70 Resp: 157252
Ion Ratio Lower Upper
70 100
42 70.1 47.5 71.3
101 9.6 7.4 11.2
130 18.7 16.6 25.0



#20
3+4-Methylphenols
Concen: 31.534 ng
RT: 7.41 min Scan# 862
Delta R.T. 0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion:107 Resp: 225977
Ion Ratio Lower Upper
107 100
108 88.5 68.2 108.2
77 180.2 26.7 66.7#
79 31.4 6.3 46.3

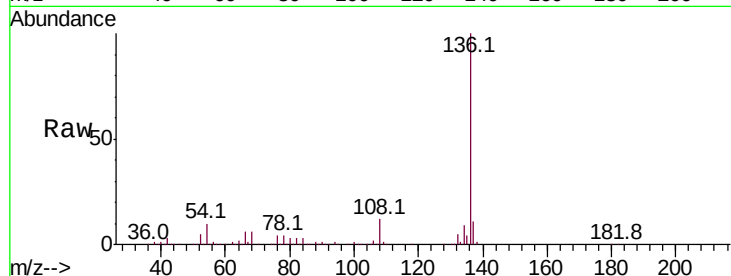




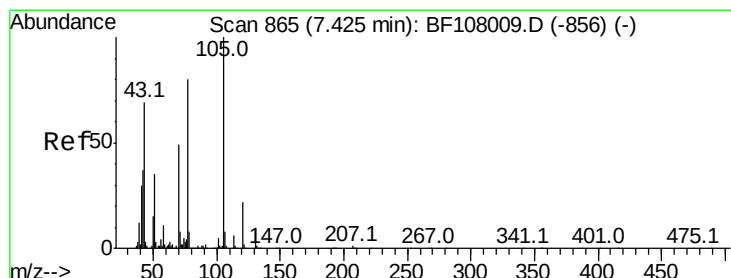
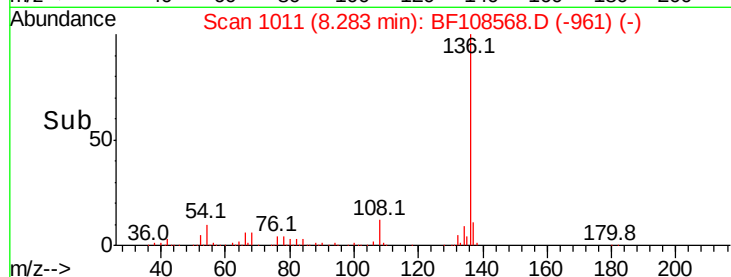
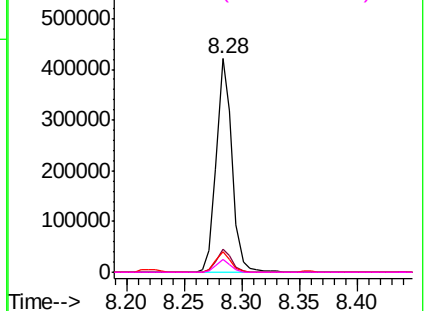
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion:136	Resp:	397720
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.9	13.3
54 9.8	6.6	9.8
68 5.9	5.0	7.4

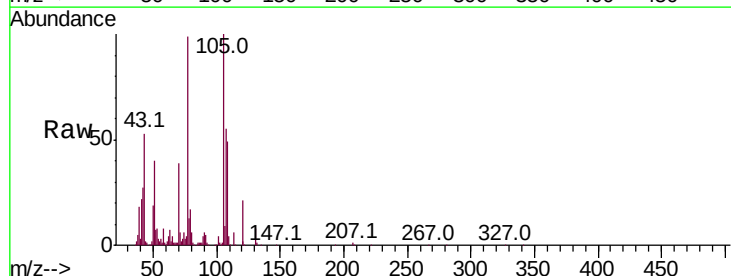


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

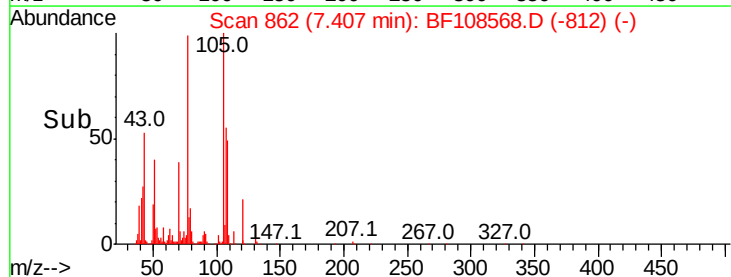
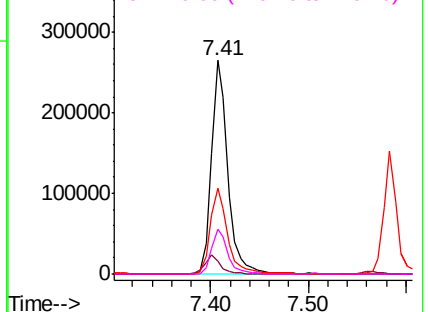


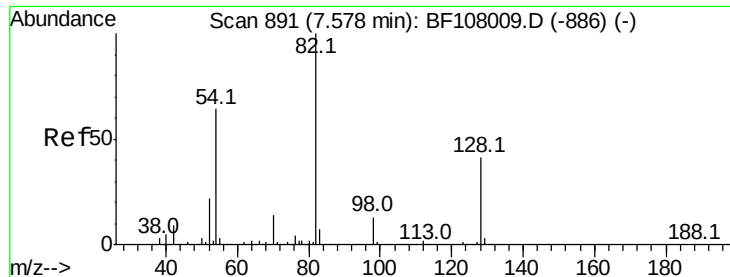
#22
Acetophenone
Concen: 33.019 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt	Ion:105	Resp:	307066
Ion	Ratio	Lower	Upper
105	100		
71	6.3	4.4	6.6
51	40.2	22.3	33.5#
120	21.0	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

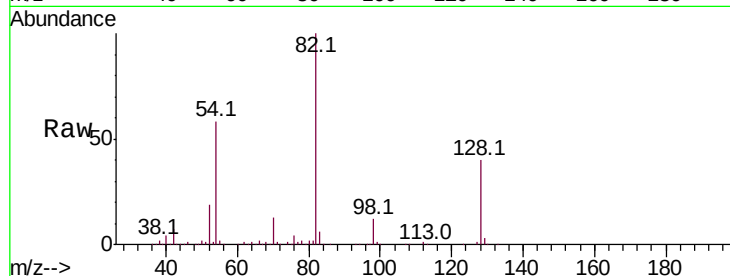




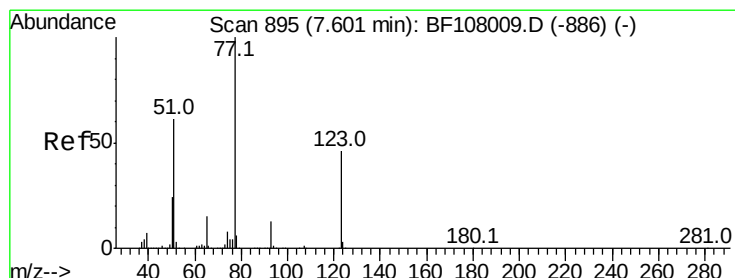
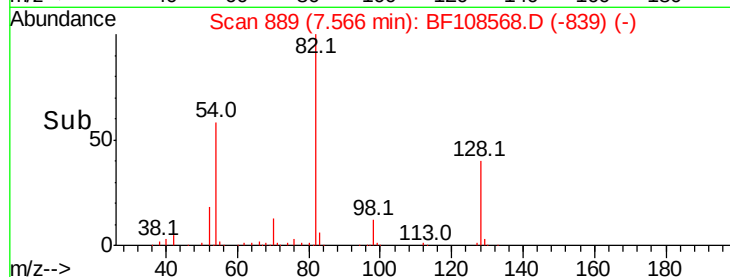
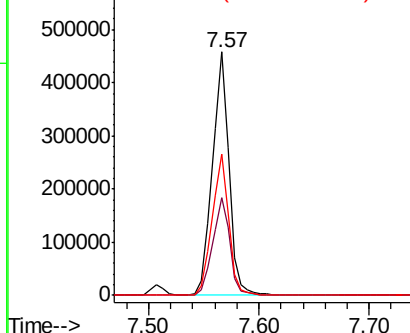
#23
 Nitrobenzene-d5
 Concen: 66.477 ng
 RT: 7.57 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion: 82 Resp: 473810
 Ion Ratio Lower Upper
 82 100
 128 40.2 36.1 54.1
 54 57.9 41.4 62.2

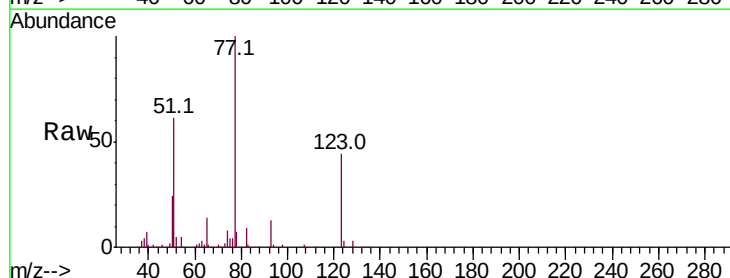


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

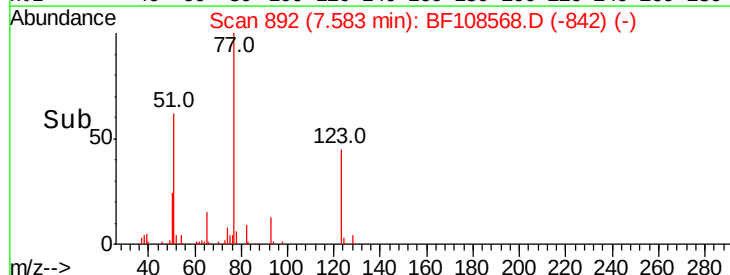
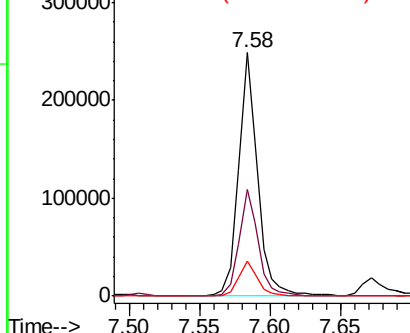


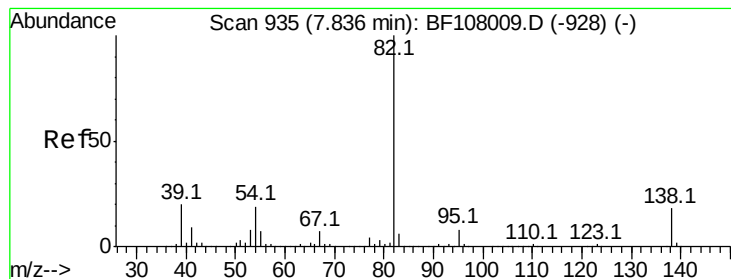
#24
 Nitrobenzene
 Concen: 32.195 ng
 RT: 7.58 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion: 77 Resp: 232037
 Ion Ratio Lower Upper
 77 100
 123 43.8 37.9 56.9
 65 14.5 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 30.545 ng

RT: 7.81 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

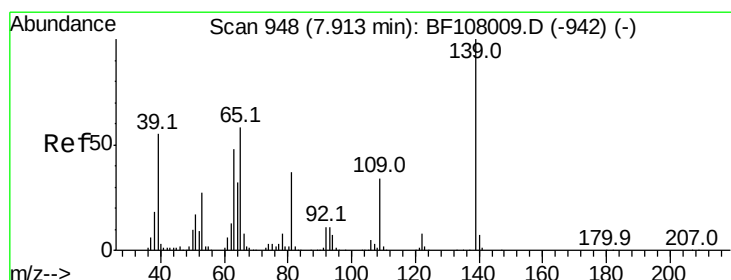
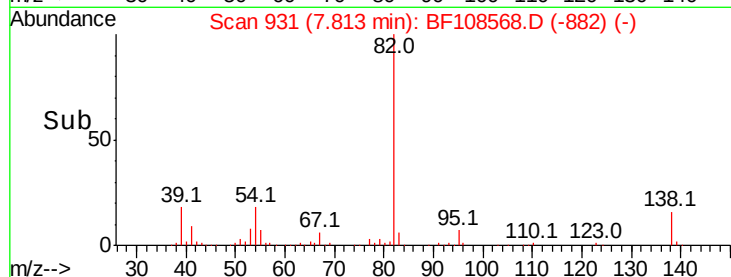
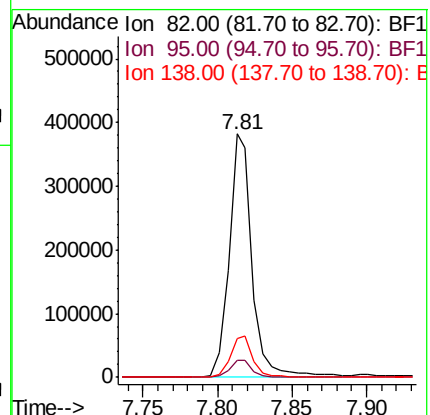
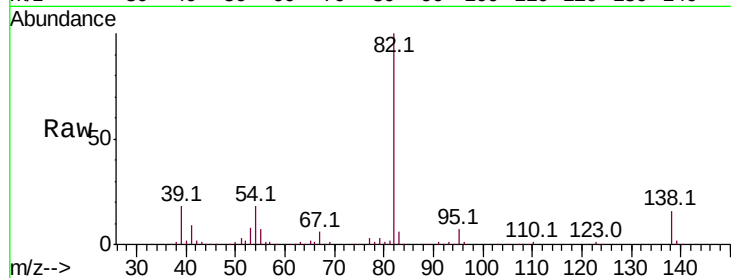
Tot Ion: 82 Resp: 414961

Ion Ratio Lower Upper

82 100

95 6.8 5.2 7.8

138 16.2 14.9 22.3



#26

2-Nitrophenol

Concen: 35.999 ng

RT: 7.90 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

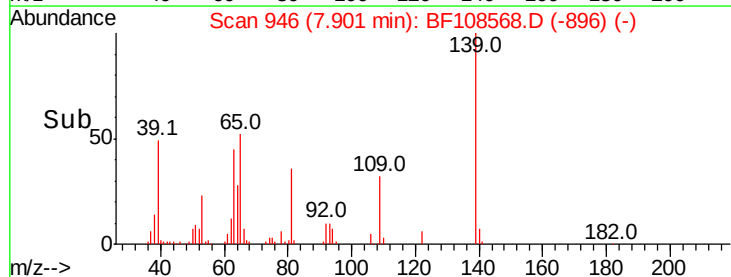
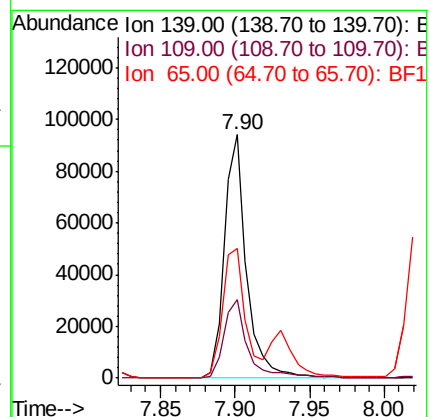
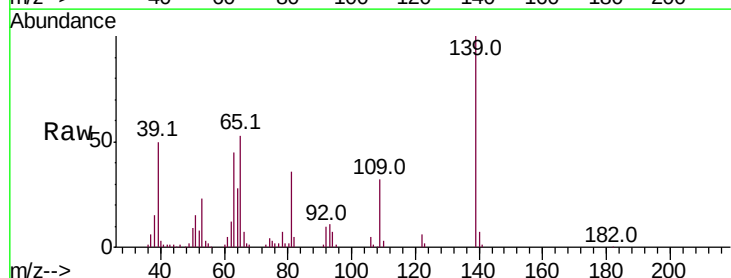
Tgt Ion: 139 Resp: 97984

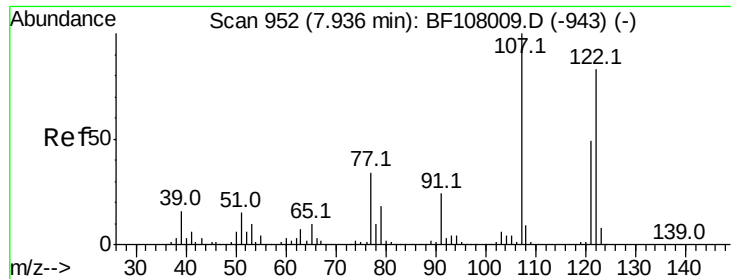
Ion Ratio Lower Upper

139 100

109 32.1 22.7 34.1

65 53.4 40.5 60.7

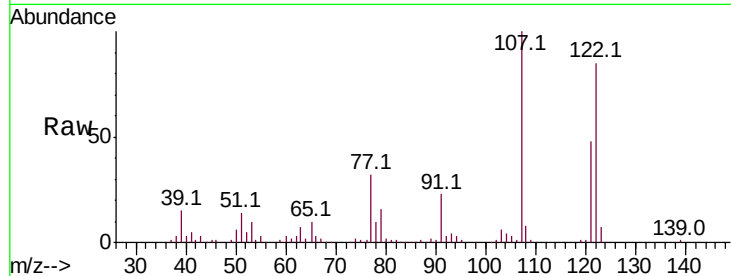




#27
 2,4-Dimethylphenol
 Concen: 29.116 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.5	91.2	136.8
121	56.2	47.2	70.8

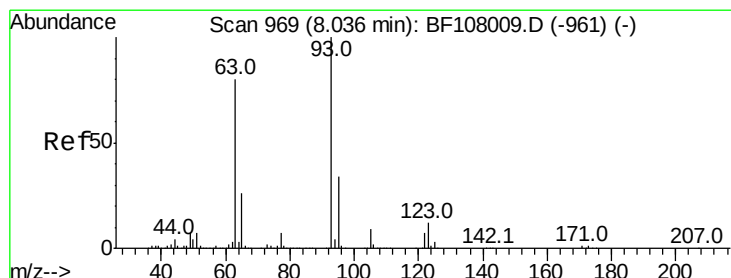
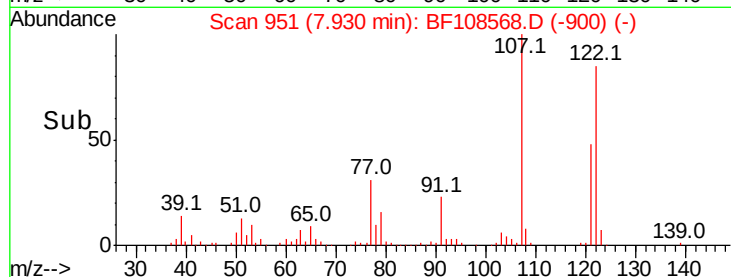
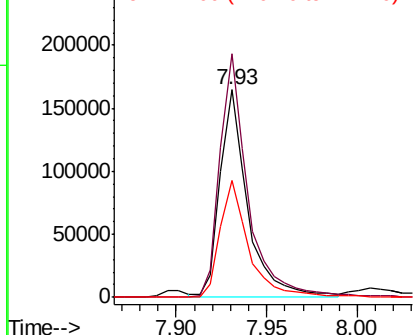


Abundance

Ion 122.00 (121.70 to 122.70): E

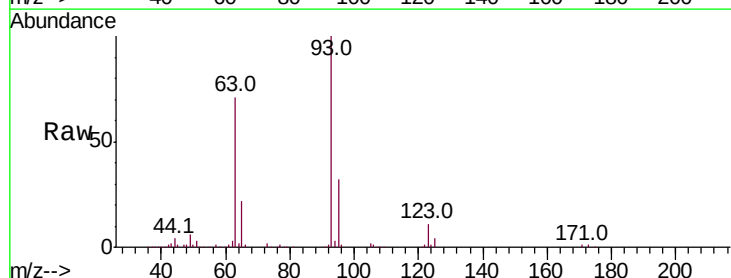
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 31.649 ng
 RT: 8.02 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.3	39.5
123	11.3	9.8	14.6

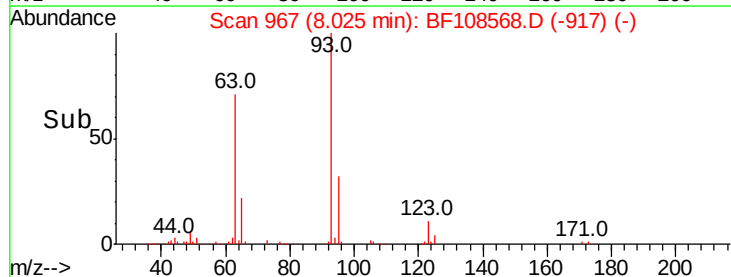
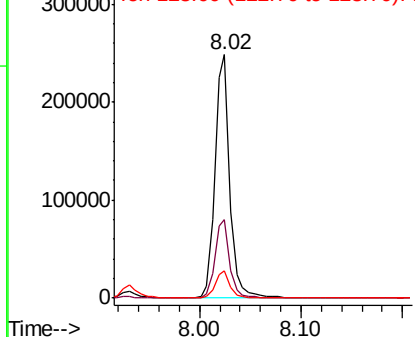


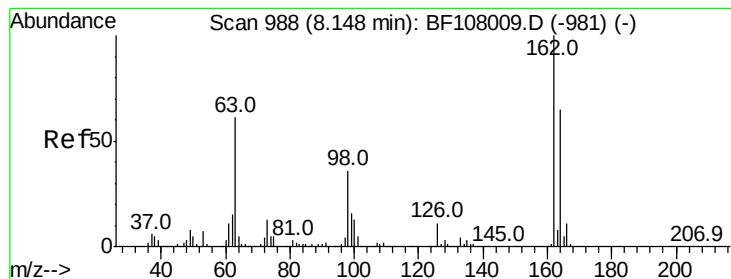
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 33.227 ng

RT: 8.14 min Scan# 987

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

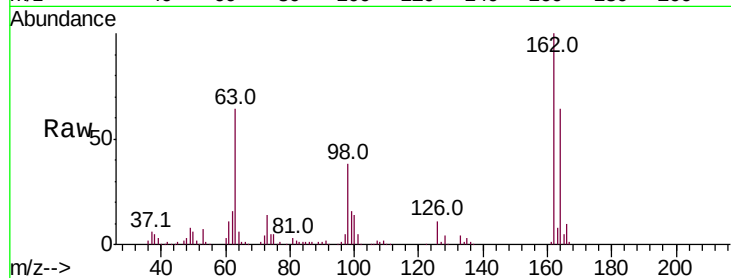
Tot Ion:162 Resp: 184367

Ion Ratio Lower Upper

162 100

164 63.9 42.7 82.7

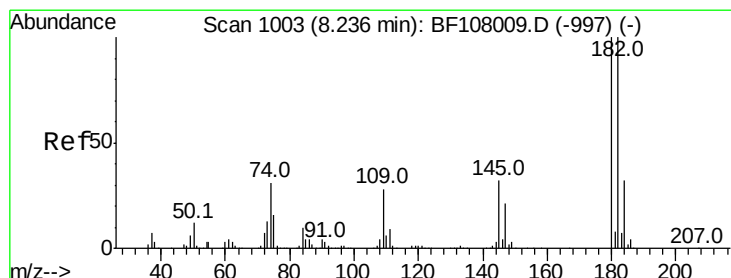
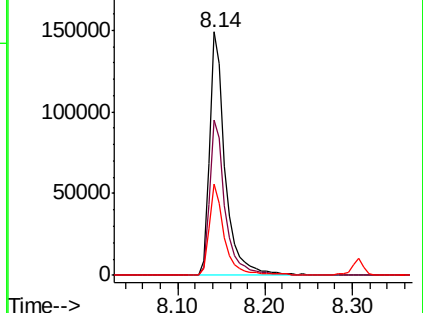
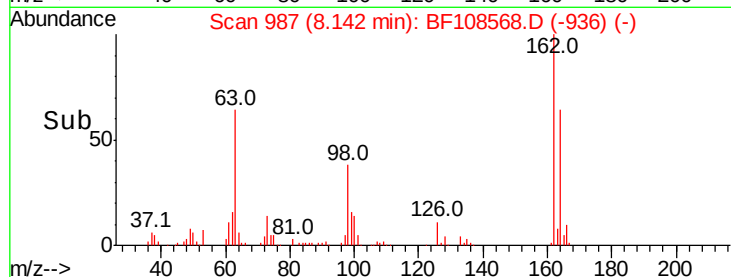
98 37.7 18.1 58.1



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: 31.776 ng

RT: 8.22 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

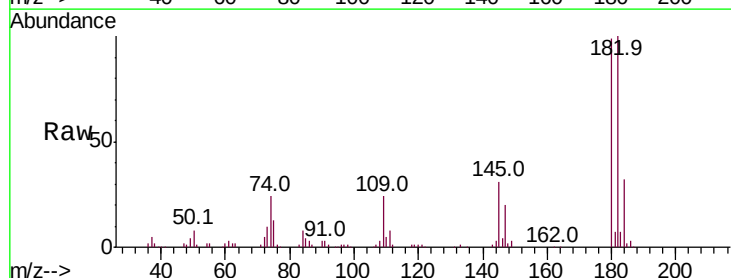
Tgt Ion:180 Resp: 194397

Ion Ratio Lower Upper

180 100

182 101.2 76.8 115.2

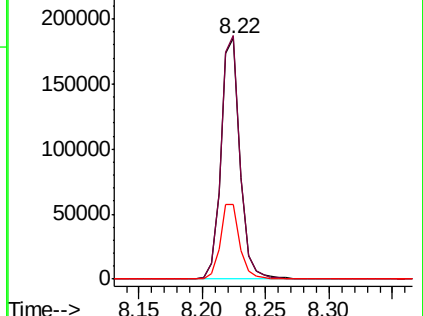
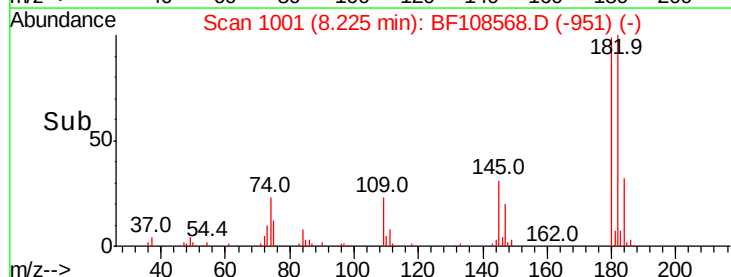
145 31.0 26.5 39.7

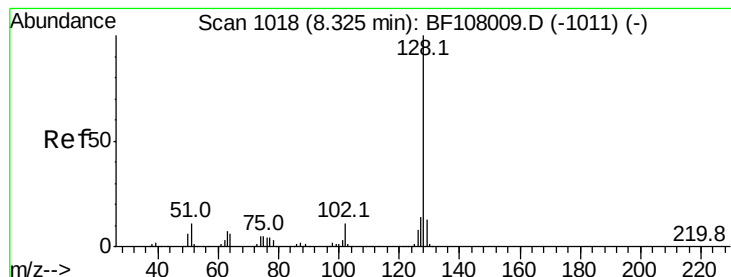


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 33.657 ng

RT: 8.31 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

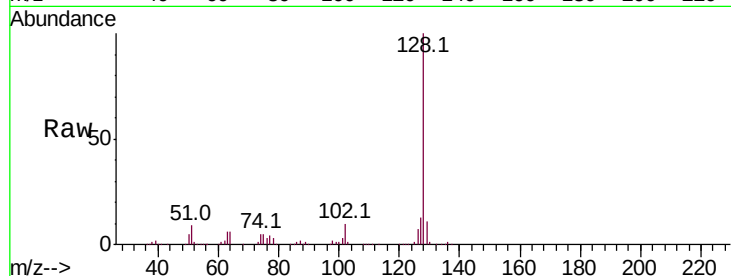
Tot Ion:128 Resp: 608774

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

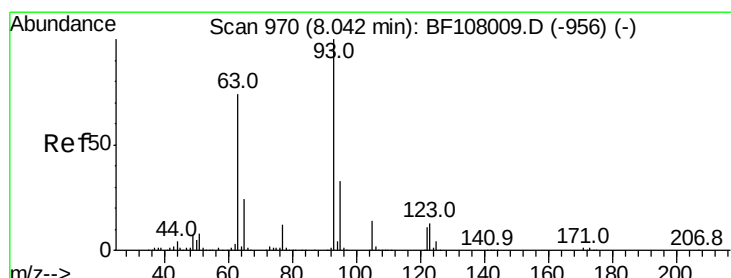
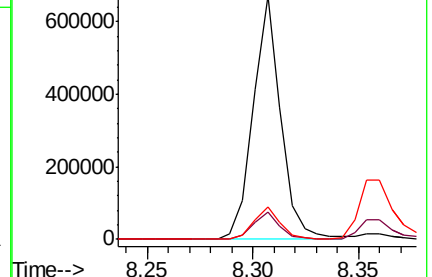
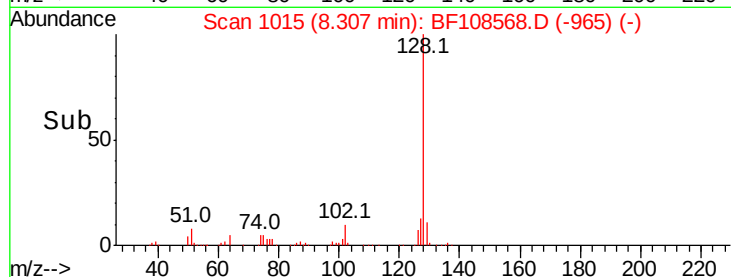
127 13.5 10.9 16.3



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: 11.301 ng

RT: 8.01 min Scan# 964

Delta R.T. -0.03 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

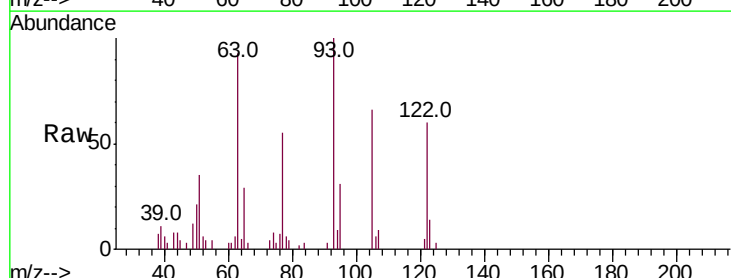
Tgt Ion:122 Resp: 21288

Ion Ratio Lower Upper

122 100

105 109.9 101.1 141.1

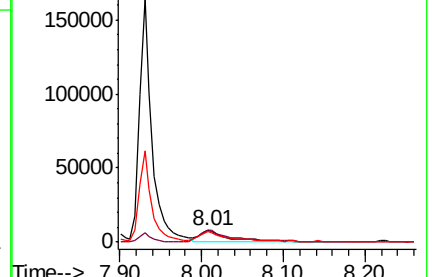
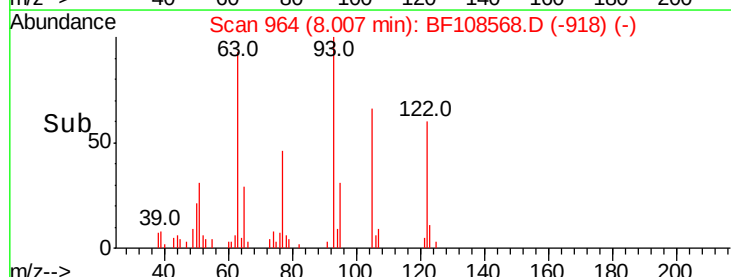
77 92.1 70.7 110.7

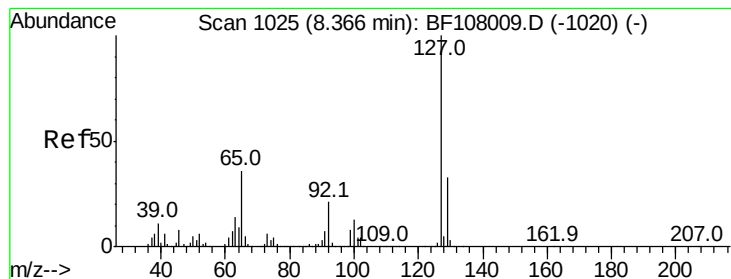


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 25.822 ng

RT: 8.35 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:127 Resp: 203538

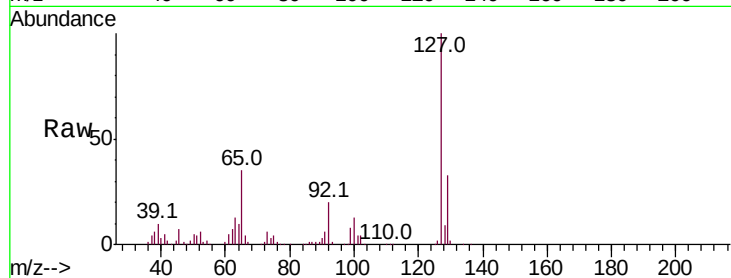
Ion Ratio Lower Upper

127 100

129 32.8 25.9 38.9

65 35.2 25.0 37.4

92 20.3 15.2 22.8

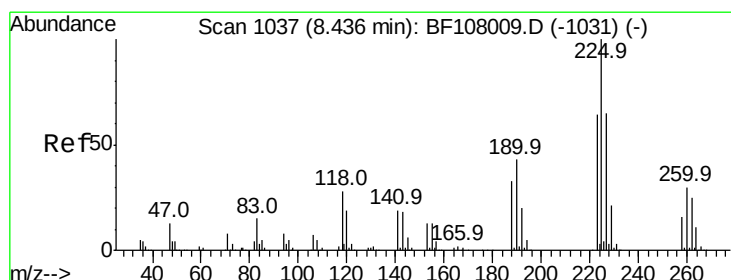
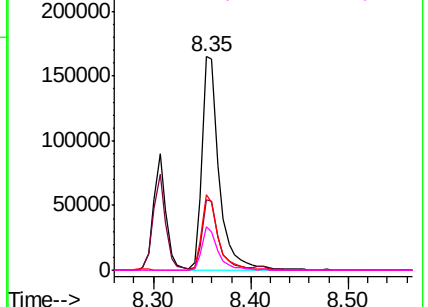
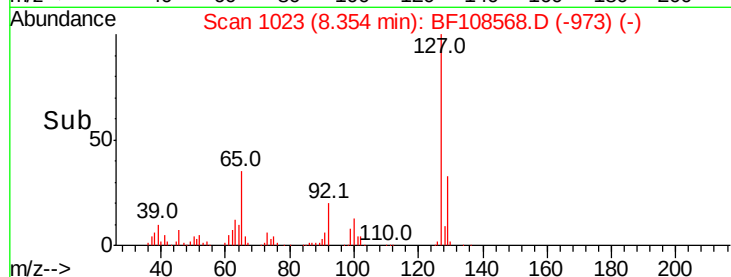


Abundance Ion 127.00 (126.70 to 127.70): E

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: 32.759 ng

RT: 8.41 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

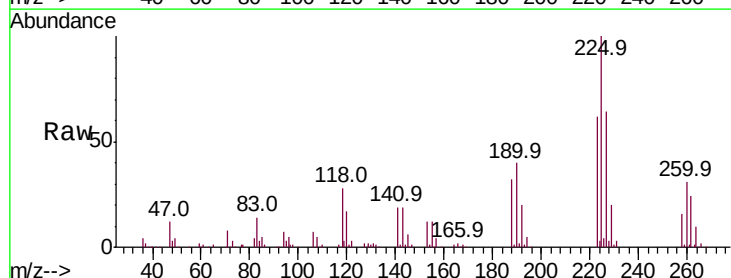
Tgt Ion:225 Resp: 126870

Ion Ratio Lower Upper

225 100

223 62.3 50.6 76.0

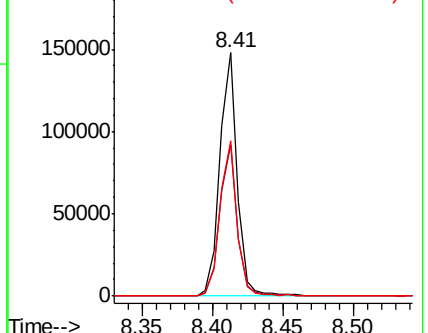
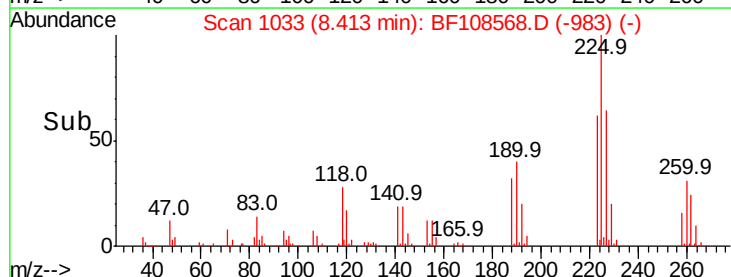
227 63.7 51.9 77.9

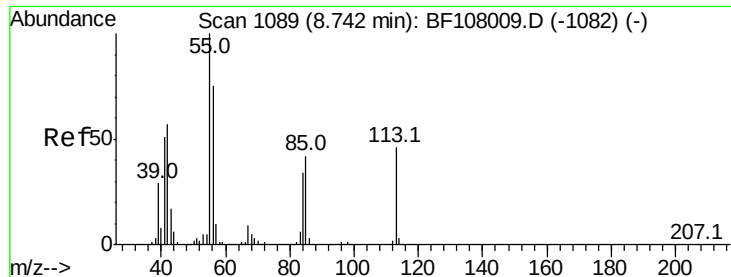


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

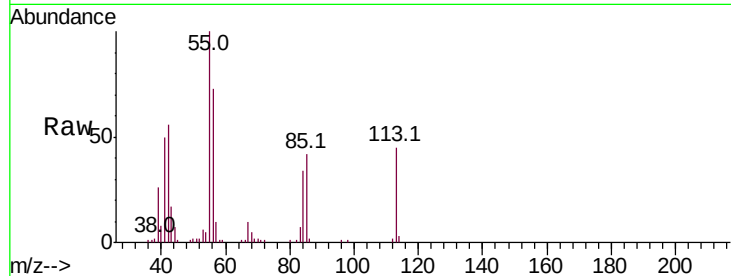




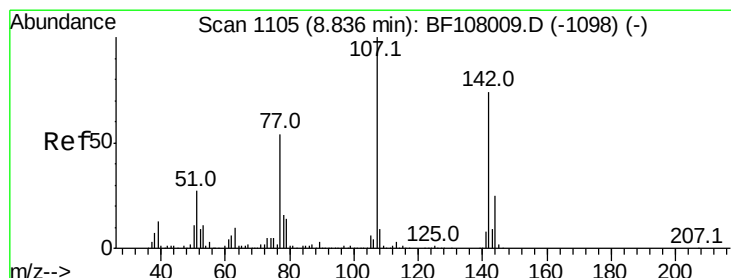
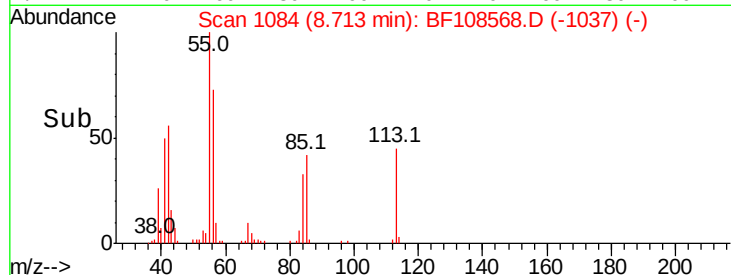
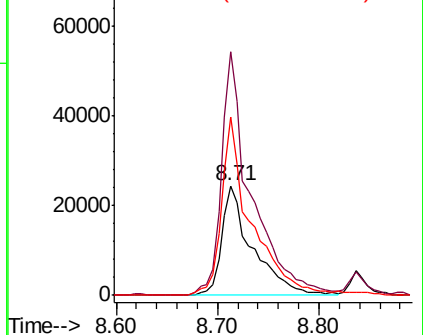
#35
 Caprolactam
 Concen: 29.509 ng
 RT: 8.71 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion:113 Resp: 51312
 Ion Ratio Lower Upper
 113 100
 55 222.6 163.3 203.3#
 56 163.1 115.7 155.7#

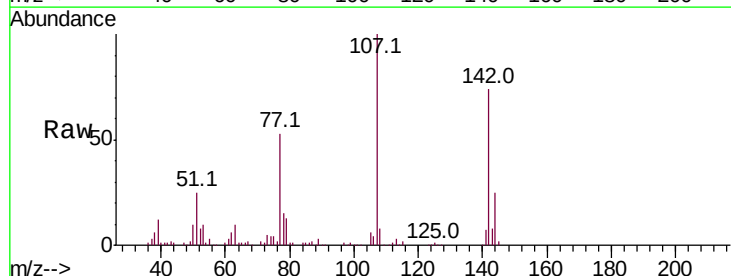


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

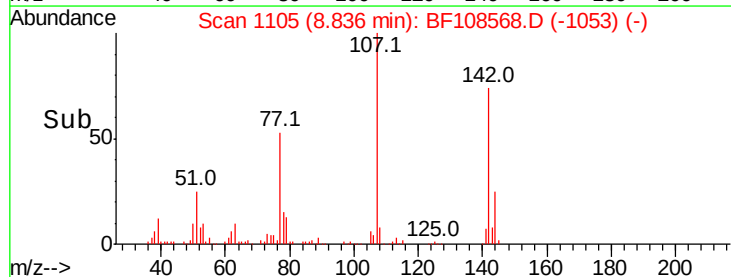
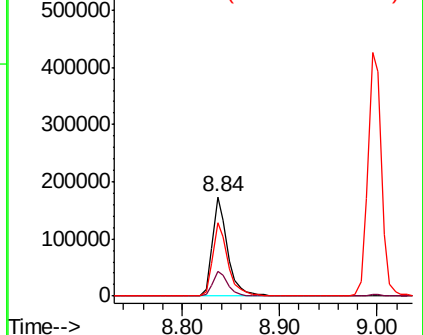


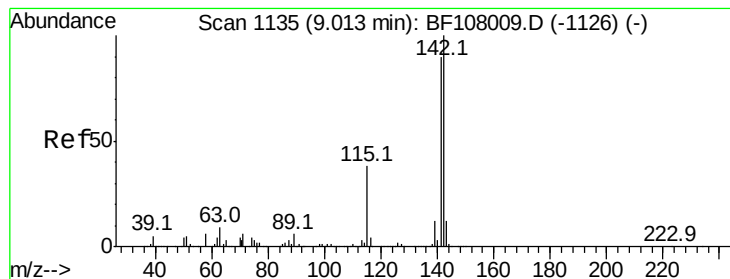
#36
 4-Chloro-3-methylphenol
 Concen: 31.339 ng
 RT: 8.84 min Scan# 1105
 Delta R.T. 0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion:107 Resp: 187589
 Ion Ratio Lower Upper
 107 100
 144 24.6 20.5 30.7
 142 73.9 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

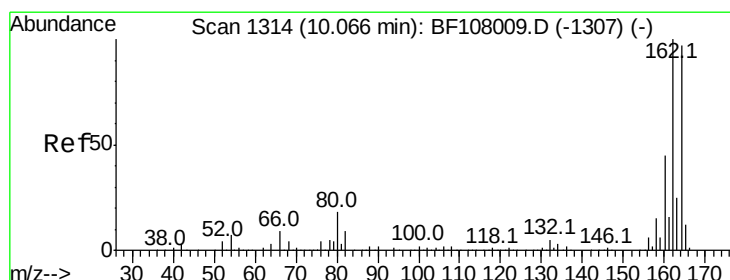
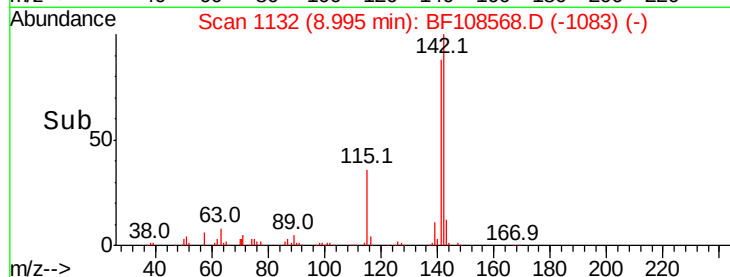
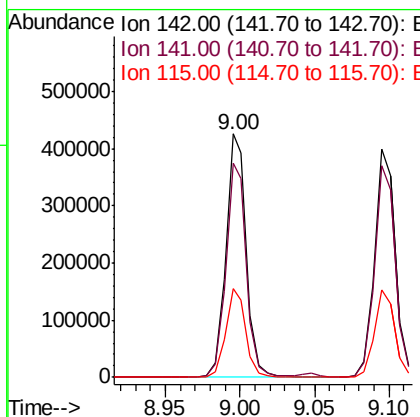
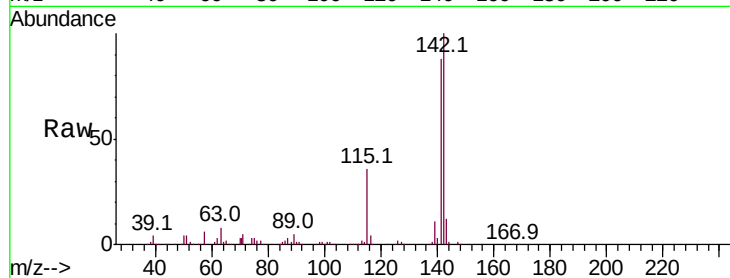




#37
 2-Methylnaphthalene
 Concen: 32.192 ng
 RT: 9.00 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

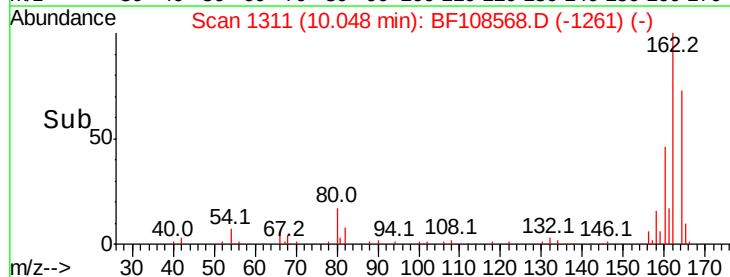
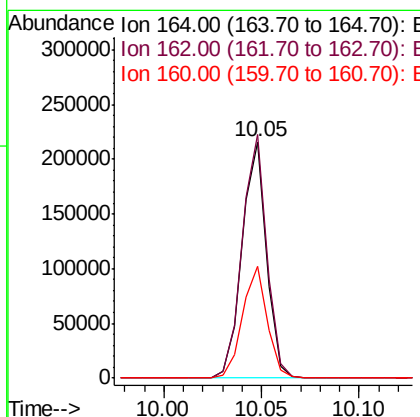
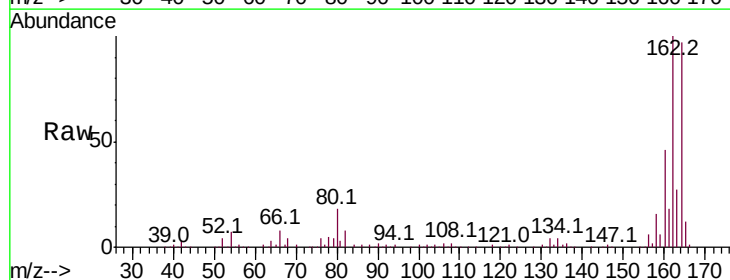
Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

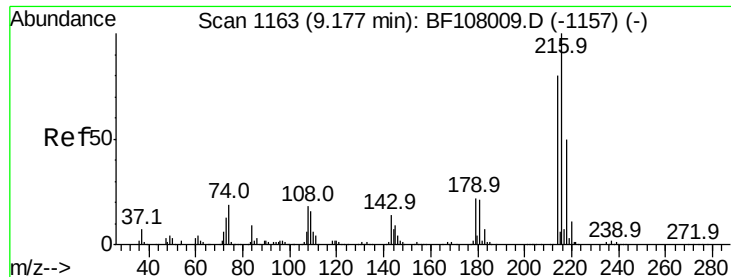
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2
115	36.4	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	47.1	38.3	57.5

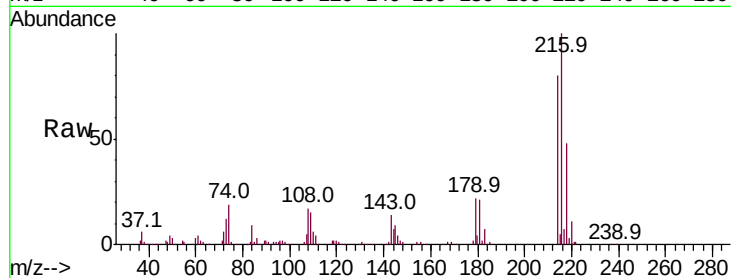




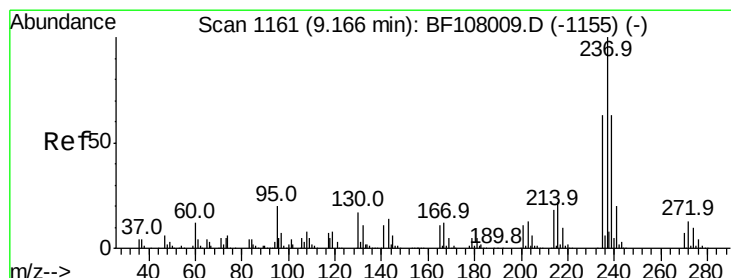
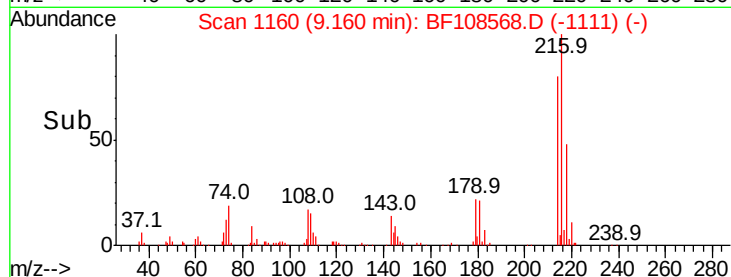
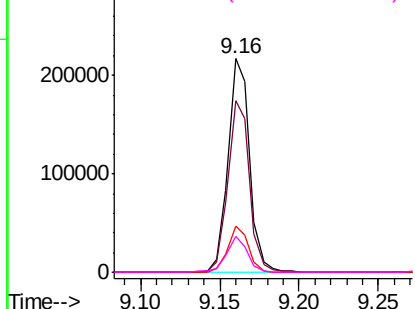
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.532 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion:	216	Resp:	203892
Ion	Ratio	Lower	Upper
216	100		
214	80.5	63.0	94.4
179	20.8	18.1	27.1
108	16.7	17.2	25.8#

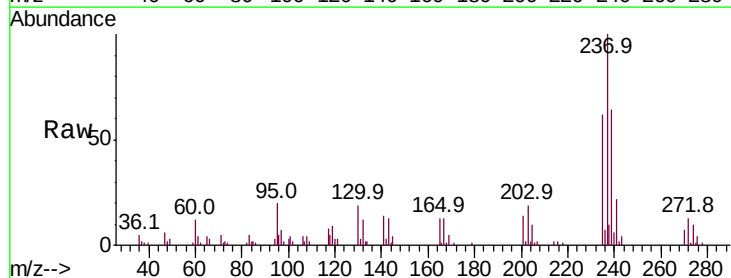


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

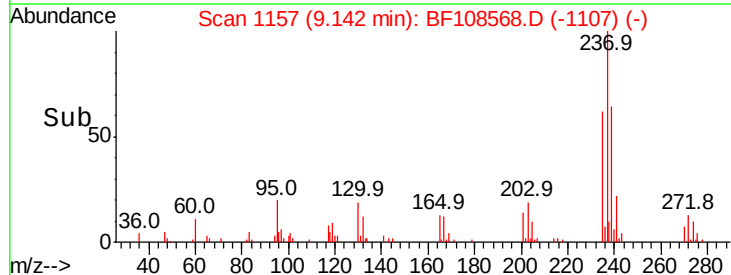
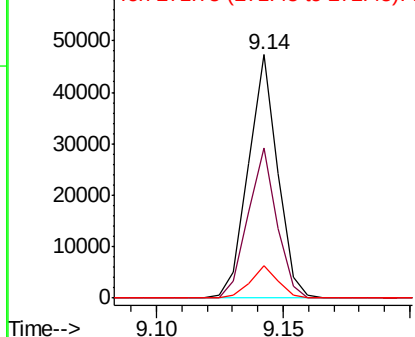


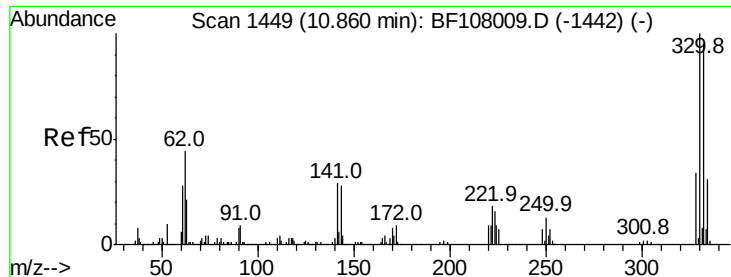
#40
 Hexachlorocyclopentadiene
 Concen: 10.296 ng
 RT: 9.14 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion:	237	Resp:	38163
Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.8	84.8
272	13.3	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

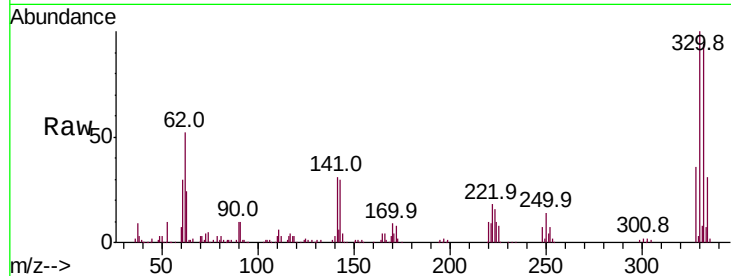




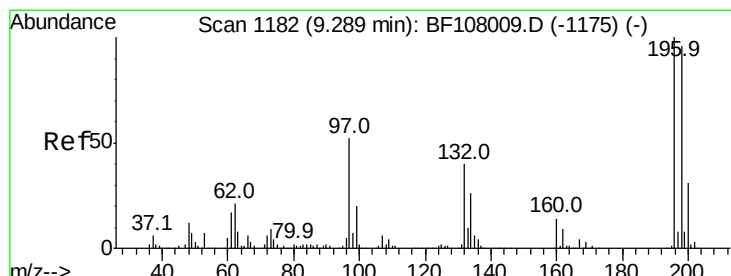
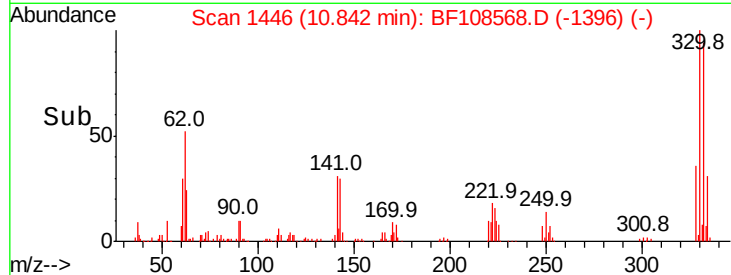
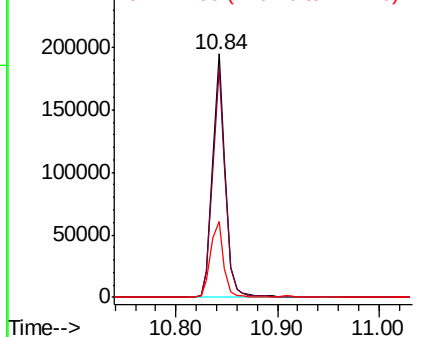
#41
 2,4,6-Tribromophenol
 Concen: 91.621 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion:330 Resp: 170770
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 32.1 29.9 44.9

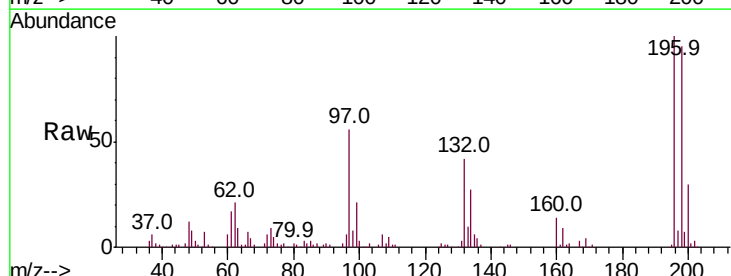


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

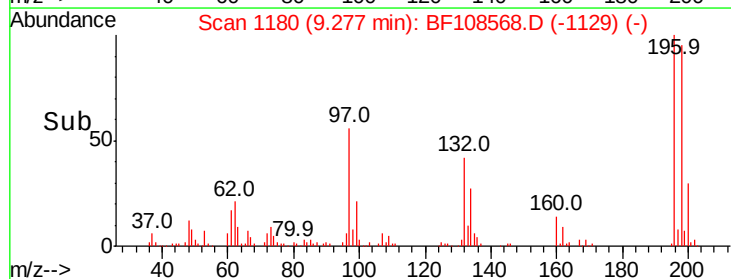
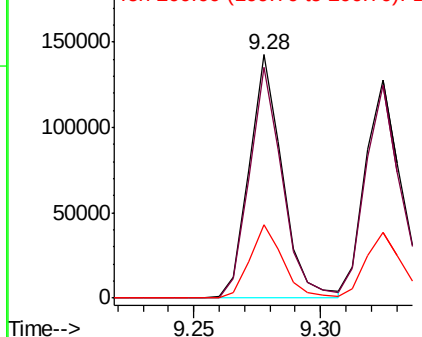


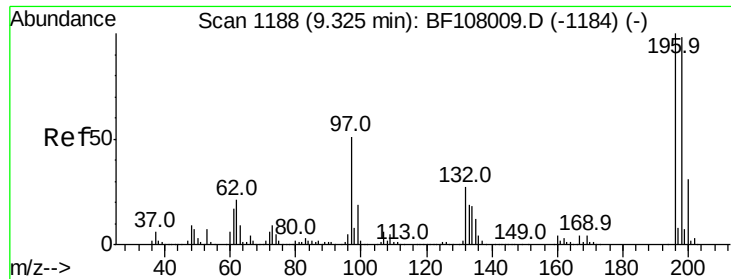
#42
 2,4,6-Trichlorophenol
 Concen: 36.422 ng
 RT: 9.28 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion:196 Resp: 129696
 Ion Ratio Lower Upper
 196 100
 198 94.9 75.7 113.5
 200 30.2 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

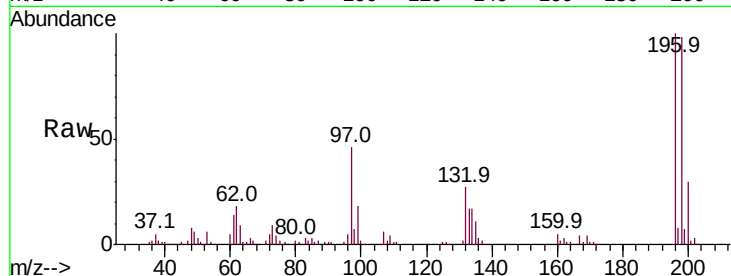




#43
 2,4,5-Trichlorophenol
 Concen: 34.418 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion:	196	Resp:	134915
Ion	Ratio	Lower	Upper
196	100		
198	97.6	74.6	112.0
97	46.0	42.9	64.3
132	26.7	26.3	39.5



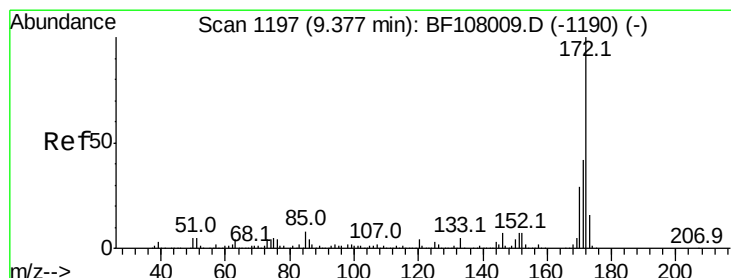
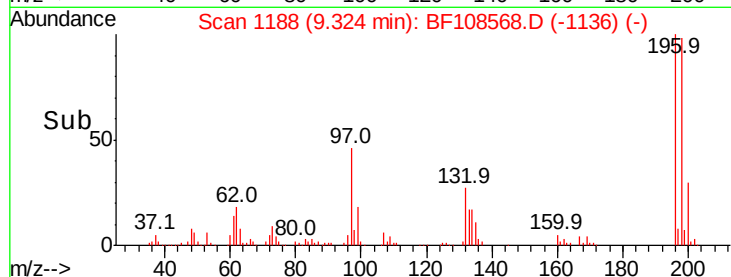
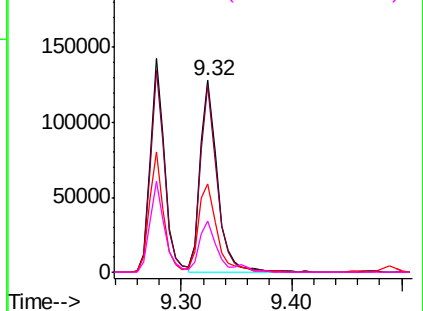
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

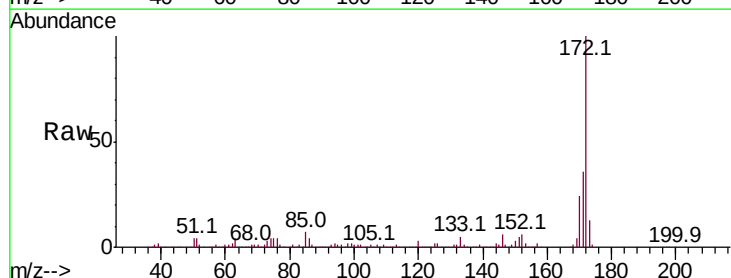
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 69.323 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion:	172	Resp:	806843
Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.9	19.6	29.4

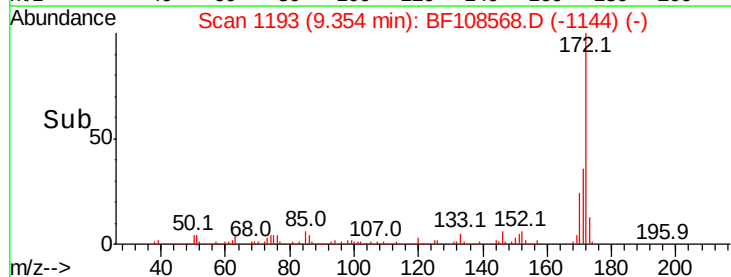
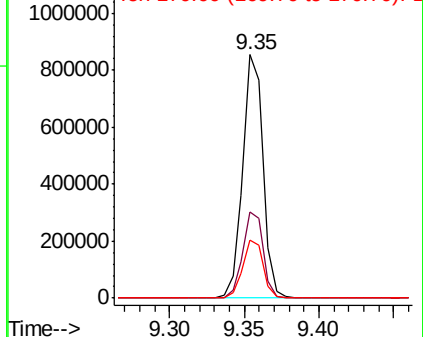


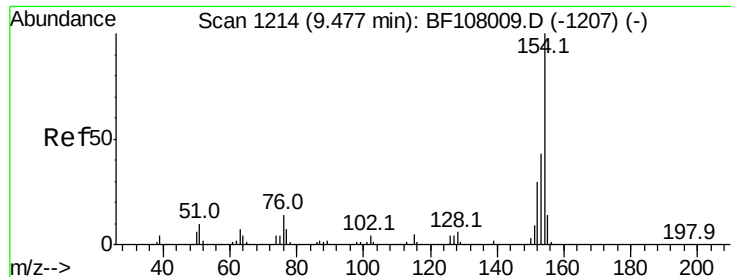
Abundance

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: 35.872 ng

RT: 9.46 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

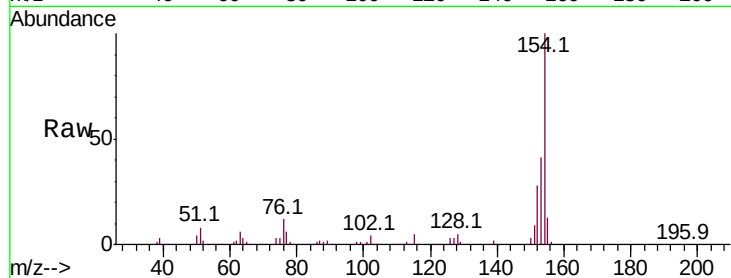
Tot Ion:154 Resp: 494215

Ion Ratio Lower Upper

154 100

153 40.7 21.3 61.3

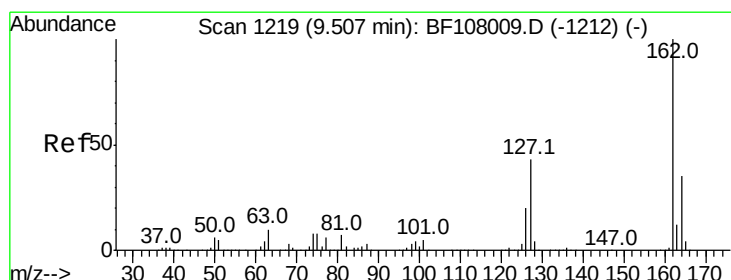
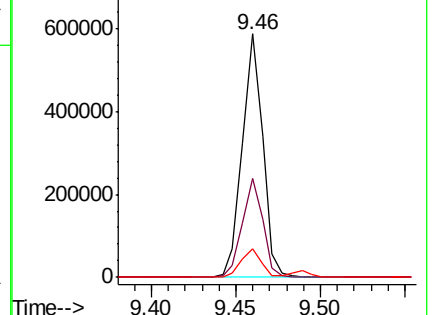
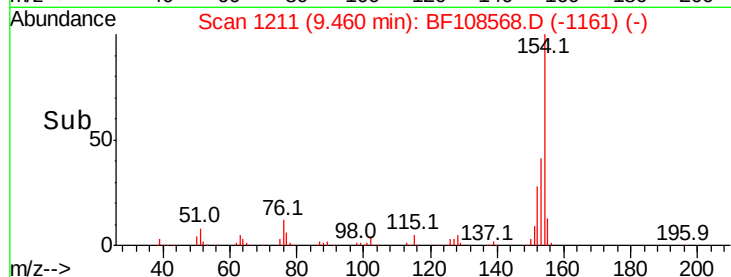
76 11.6 0.0 34.0



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: 34.476 ng

RT: 9.49 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

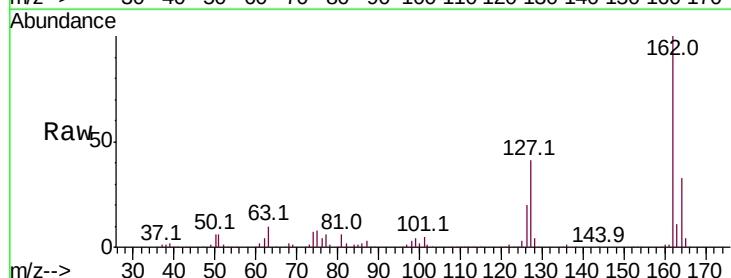
Tgt Ion:162 Resp: 375405

Ion Ratio Lower Upper

162 100

127 41.1 33.9 50.9

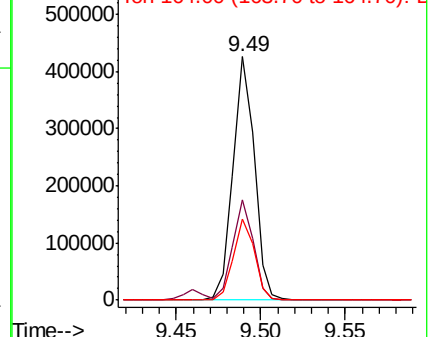
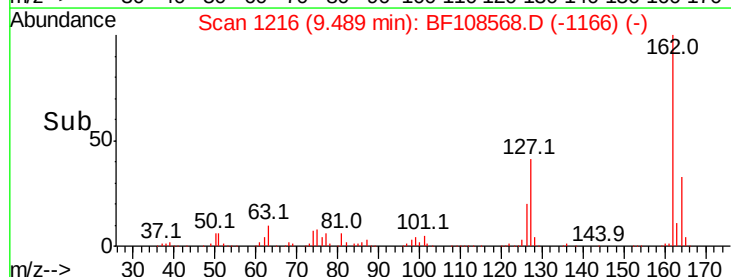
164 33.0 26.5 39.7

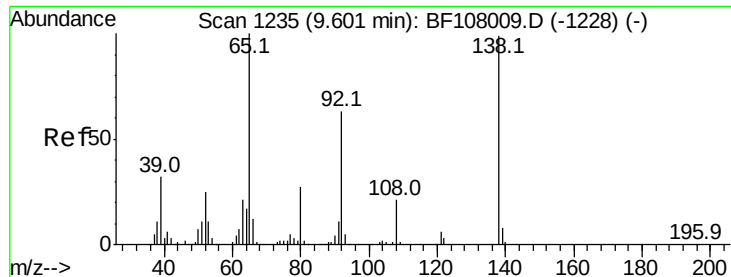


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 35.175 ng

RT: 9.59 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

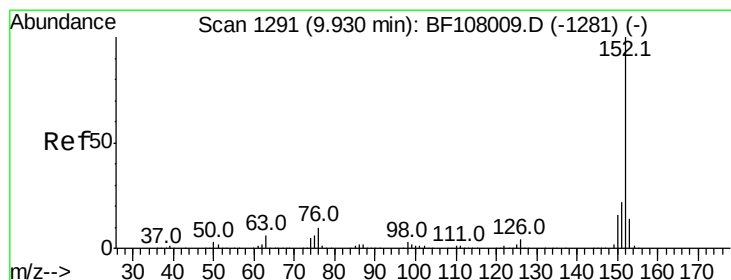
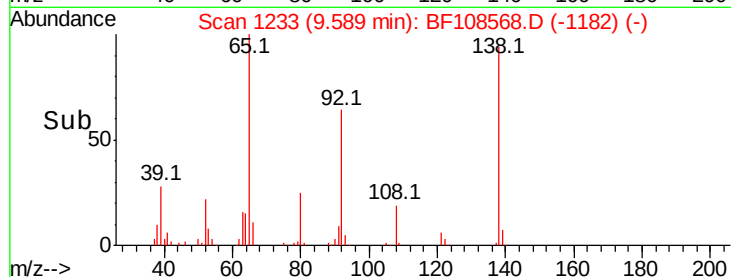
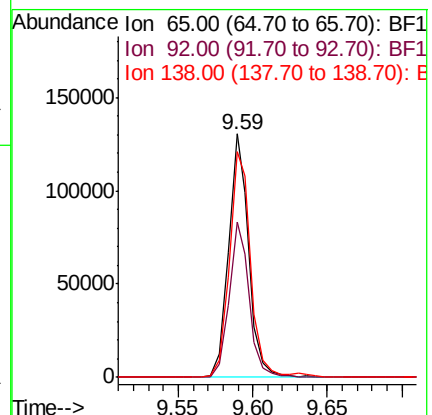
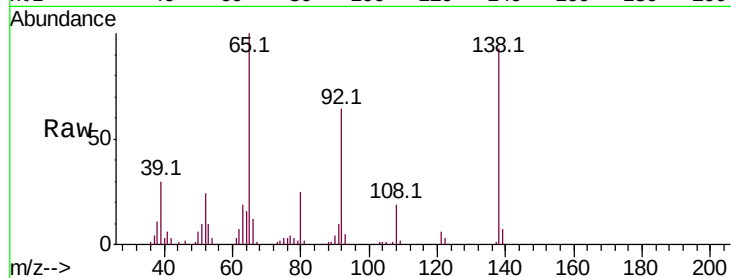
Tot Ion: 65 Resp: 123932

Ion Ratio Lower Upper

65 100

92 63.8 55.8 83.6

138 92.8 91.2 136.8



#48

Acenaphthylene

Concen: 33.892 ng

RT: 9.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

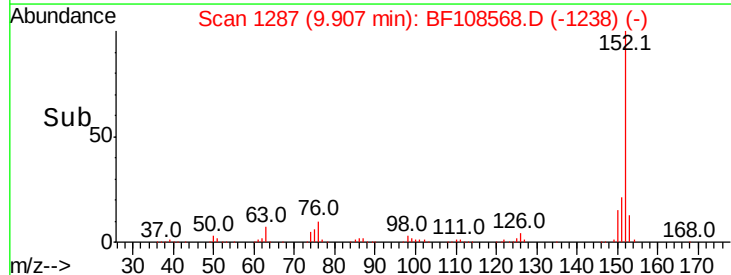
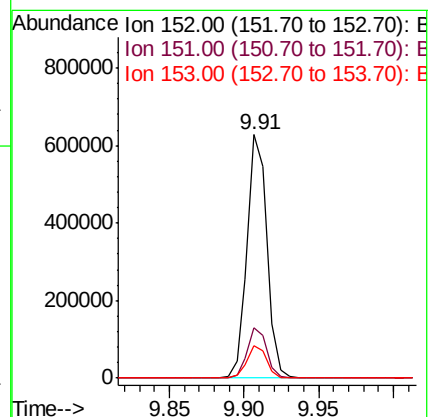
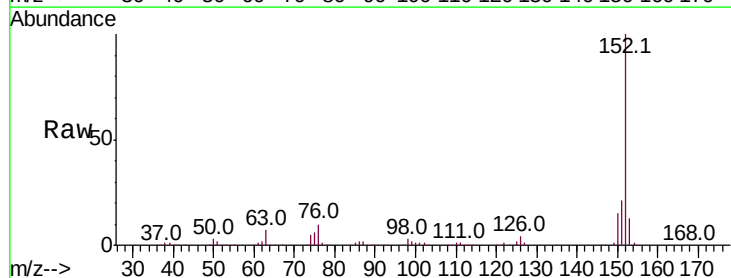
Tgt Ion: 152 Resp: 583439

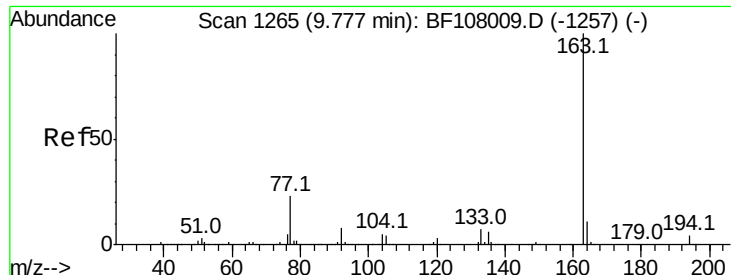
Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

153 13.3 10.7 16.1

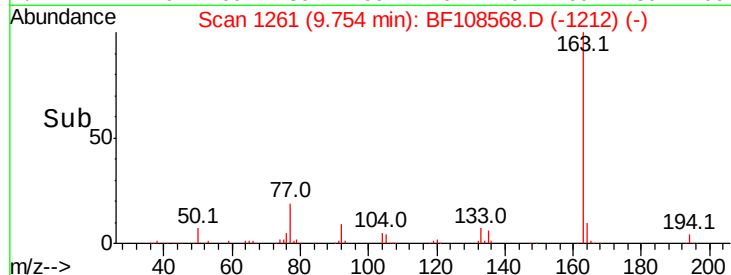
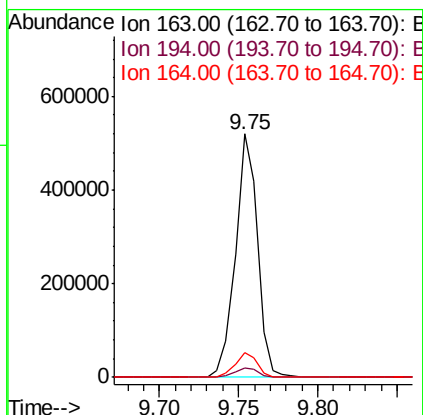
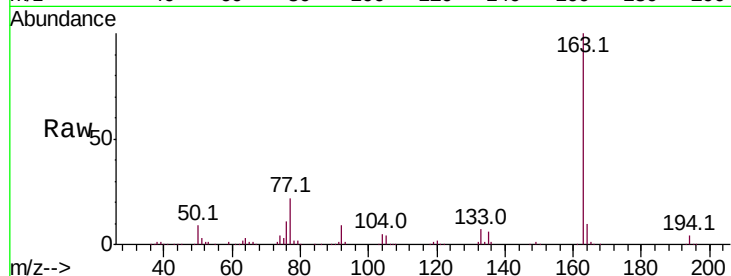




#49
Dimethylphthalate
Concen: 38.613 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

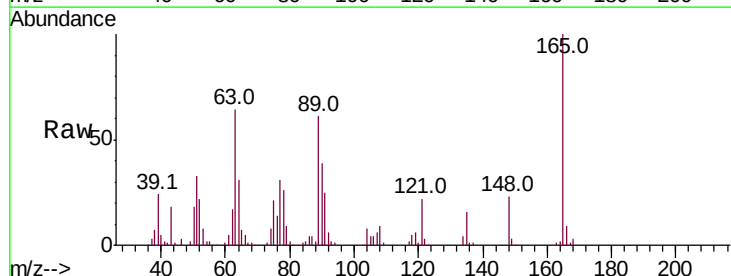
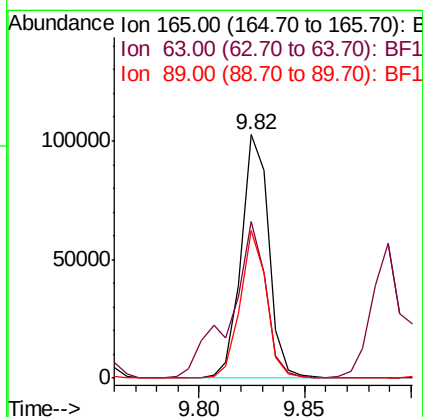
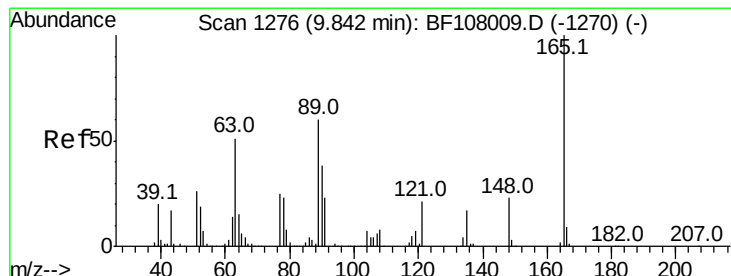
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

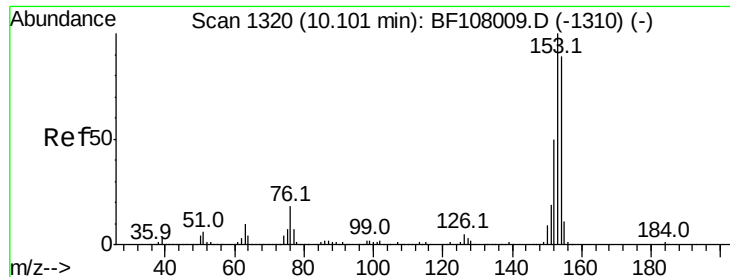
Tot Ion:163 Resp: 502600
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1
164 10.2 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 33.890 ng
RT: 9.82 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion:165 Resp: 92293
Ion Ratio Lower Upper
165 100
63 64.3 44.7 67.1
89 60.7 44.0 66.0





#51

Acenaphthene

Concen: 31.391 ng

RT: 10.08 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

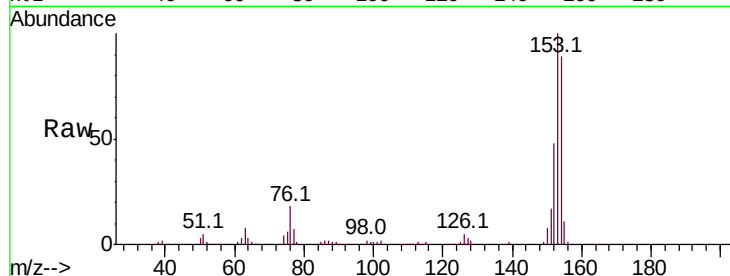
Tot Ion:154 Resp: 330979

Ion Ratio Lower Upper

154 100

153 112.1 91.2 136.8

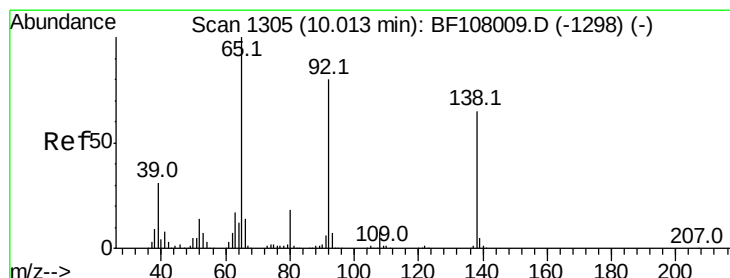
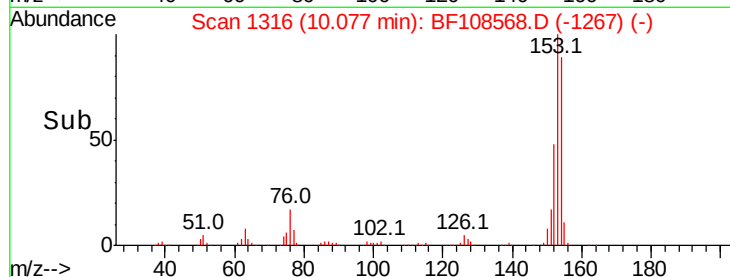
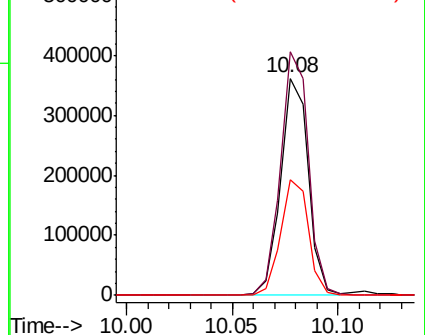
152 53.3 43.8 65.8



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: 29.427 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

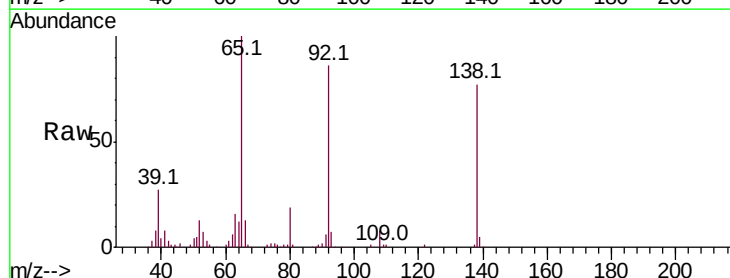
Tgt Ion:138 Resp: 87680

Ion Ratio Lower Upper

138 100

108 10.9 9.4 14.0

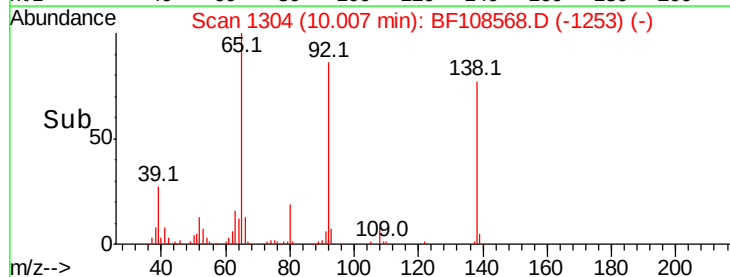
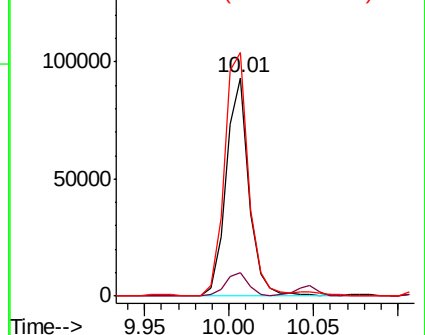
92 111.6 89.4 134.2

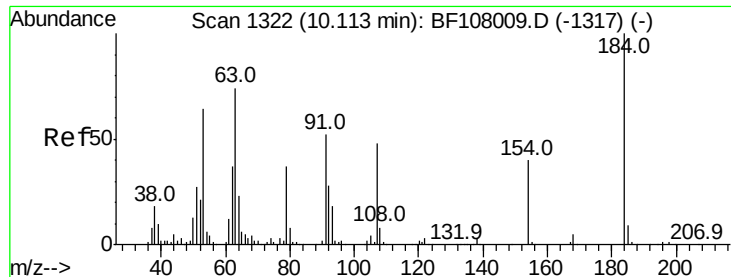


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

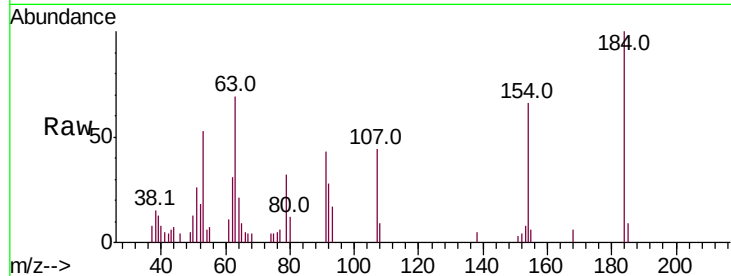




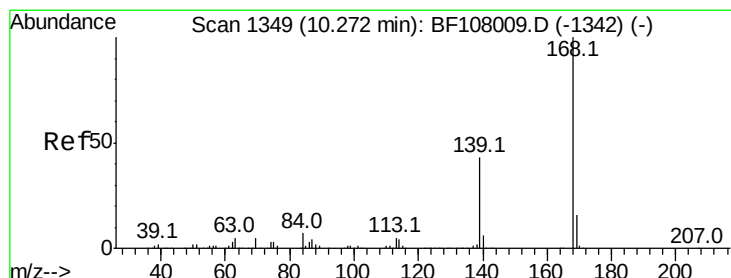
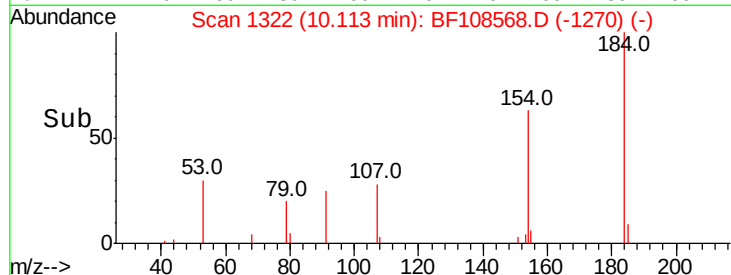
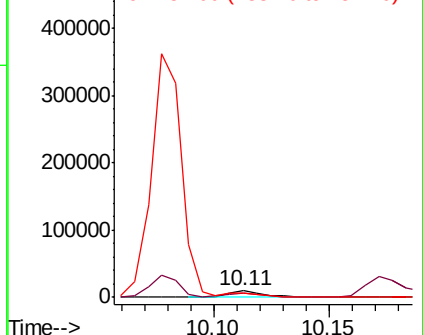
#53
2,4-Dinitrophenol
Concen: 16.654 ng
RT: 10.11 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion:184 Resp: 10762
Ion Ratio Lower Upper
184 100
63 68.6 54.2 81.2
154 66.5 184.0 276.0#

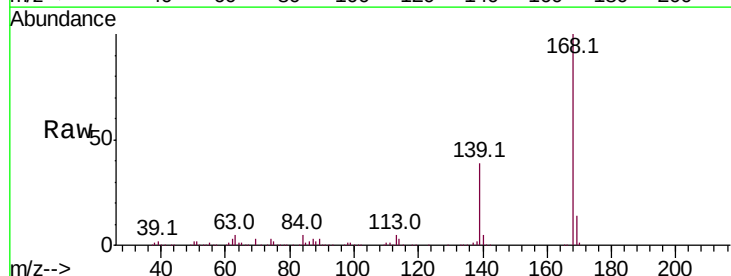


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

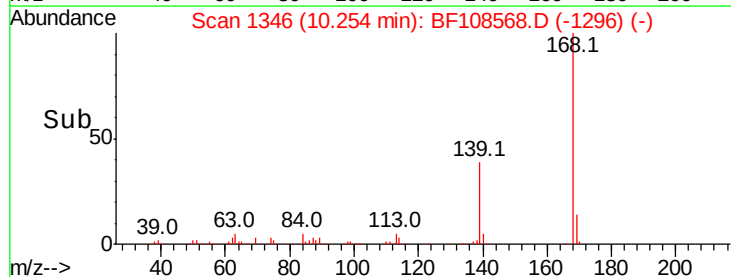
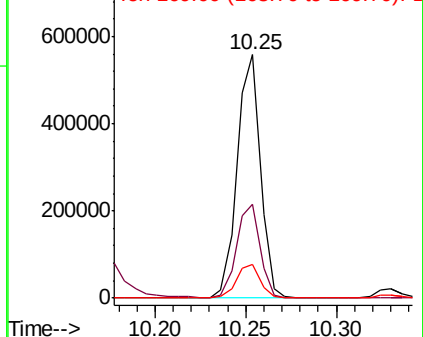


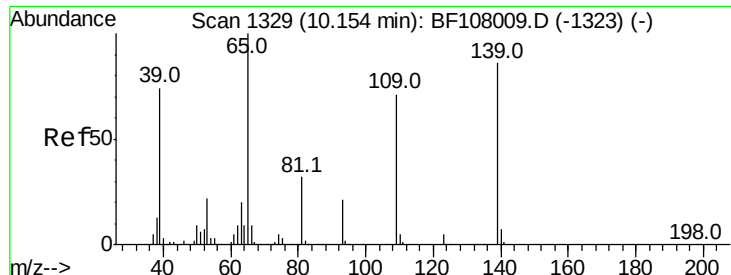
#54
Dibenzofuran
Concen: 32.621 ng
RT: 10.25 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion:168 Resp: 498307
Ion Ratio Lower Upper
168 100
139 38.8 30.1 45.1
169 14.0 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

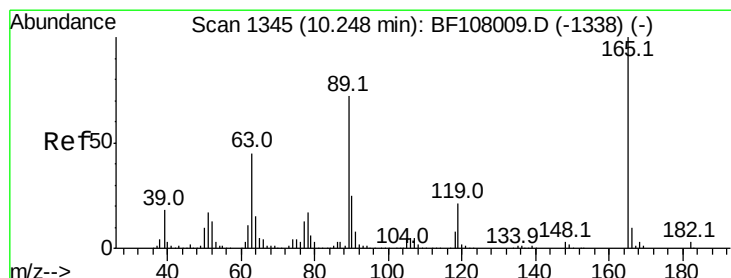
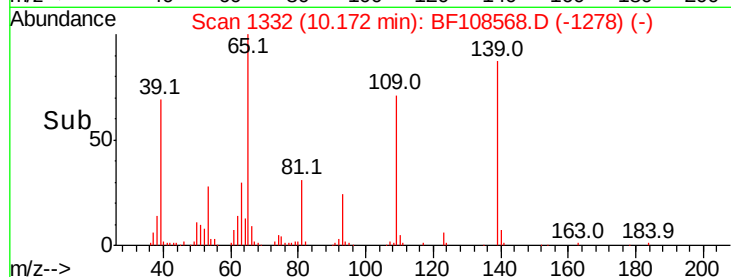
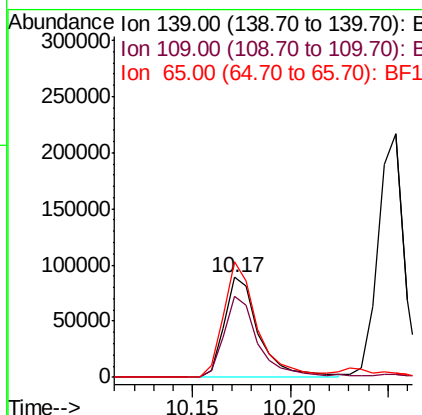
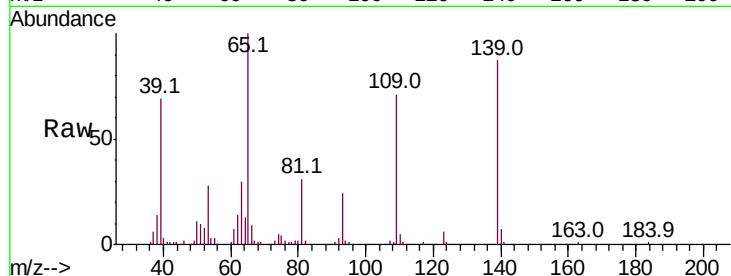




#55
4-Nitrophenol
Concen: 48.452 ng
RT: 10.17 min Scan# 1332
Delta R.T. 0.02 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

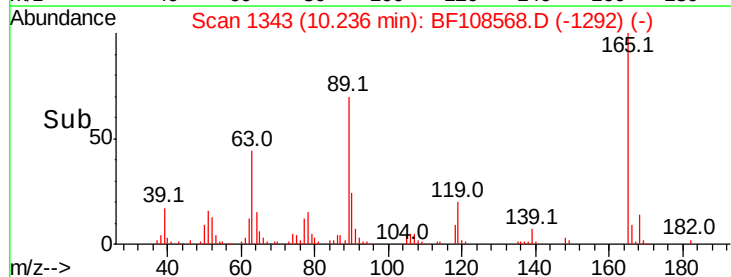
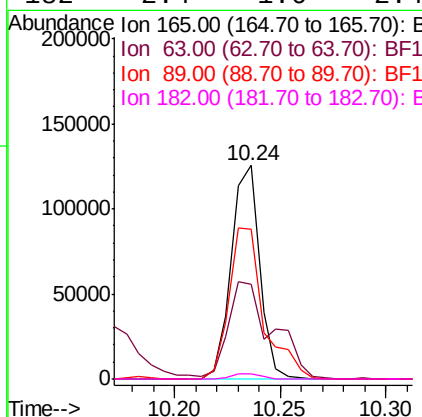
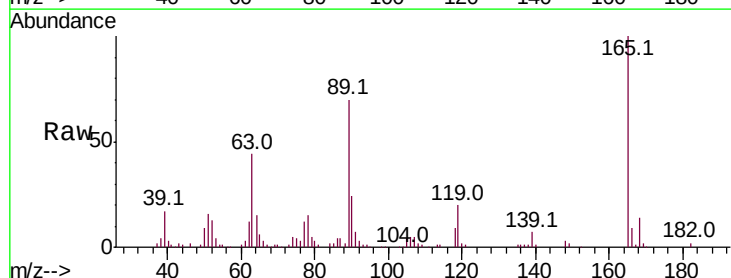
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

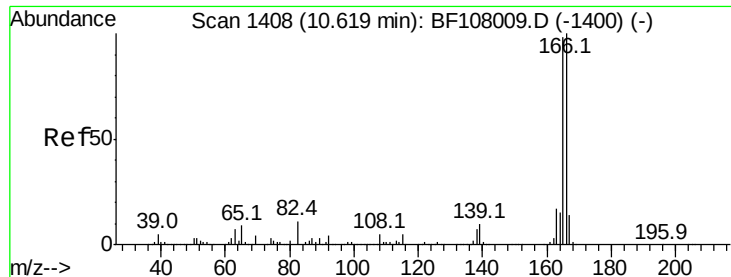
Tot Ion:139 Resp: 109323
Ion Ratio Lower Upper
139 100
109 81.5 48.4 88.4
65 115.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 33.088 ng
RT: 10.24 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion:165 Resp: 115987
Ion Ratio Lower Upper
165 100
63 44.4 36.4 54.6
89 70.3 57.8 86.6
182 2.4 1.6 2.4





#57

Fluorene

Concen: 32.486 ng

RT: 10.60 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

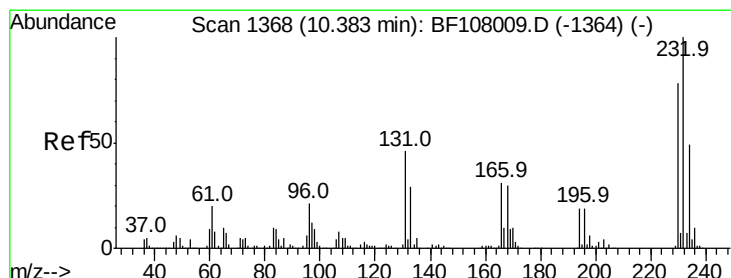
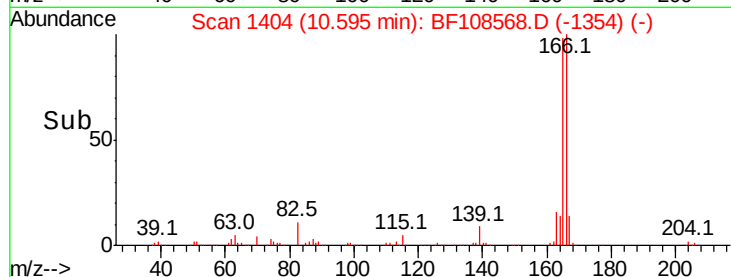
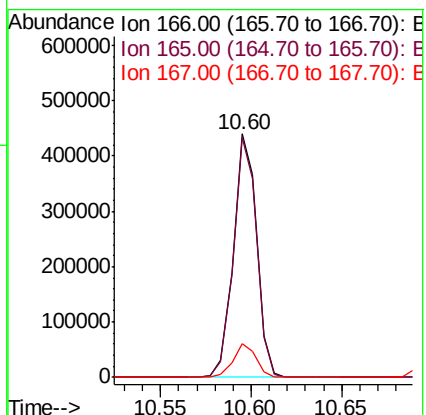
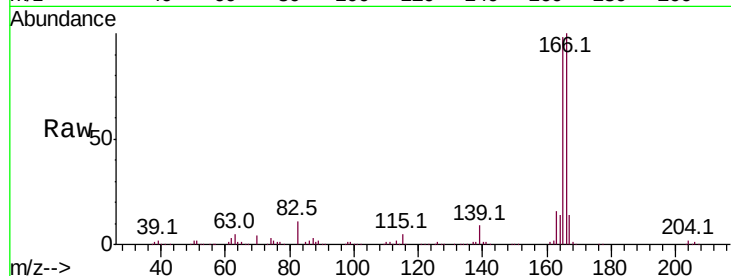
Tot Ion:166 Resp: 392845

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

167 13.7 10.6 16.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 29.563 ng

RT: 10.37 min Scan# 1366

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Tgt Ion:232 Resp: 96859

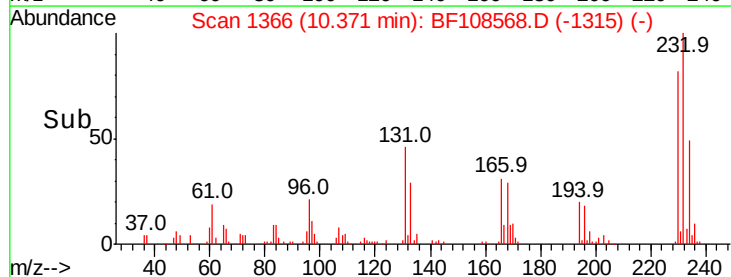
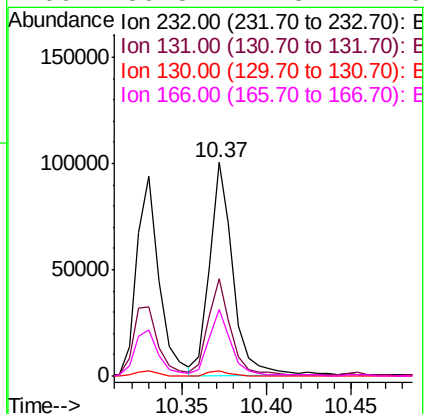
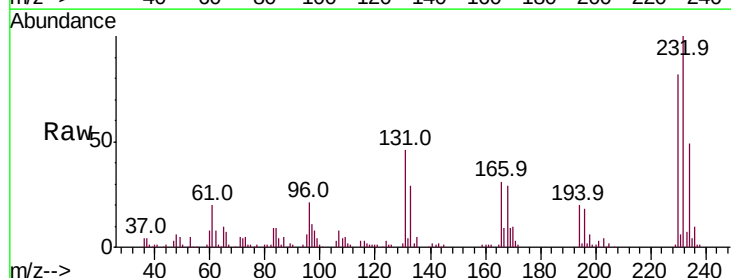
Ion Ratio Lower Upper

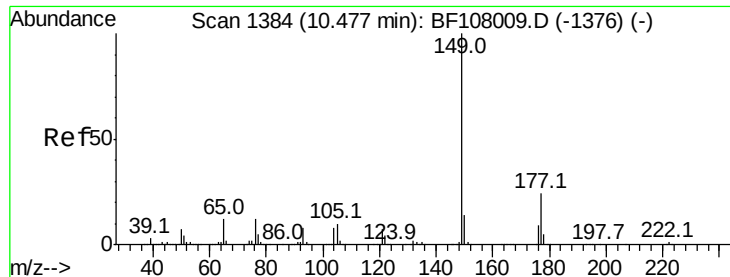
232 100

131 45.5 43.8 65.8

130 2.0 2.1 3.1#

166 30.8 27.8 41.6





#59

Diethylphthalate

Concen: 33.876 ng

RT: 10.45 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

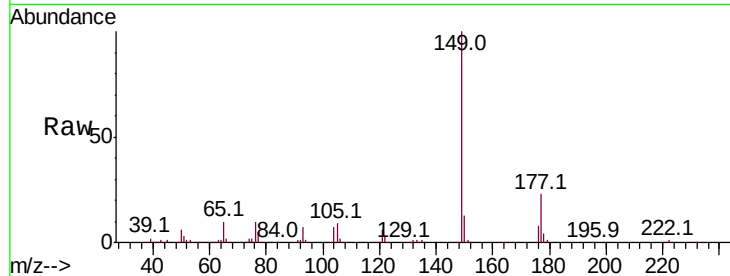
Tot Ion:149 Resp: 426980

Ion Ratio Lower Upper

149 100

177 22.6 16.1 24.1

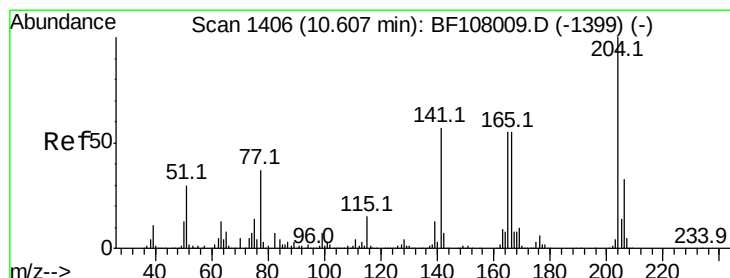
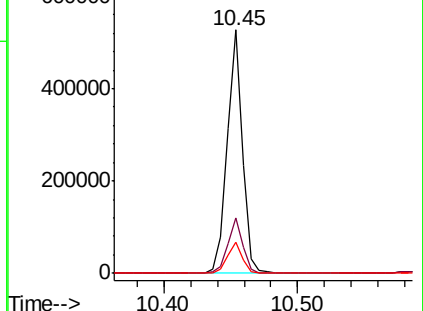
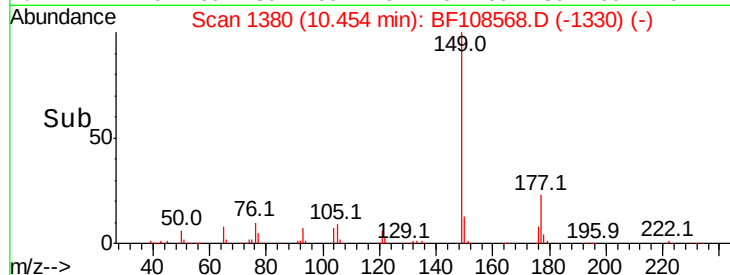
150 12.6 10.1 15.1



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: 31.657 ng

RT: 10.58 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

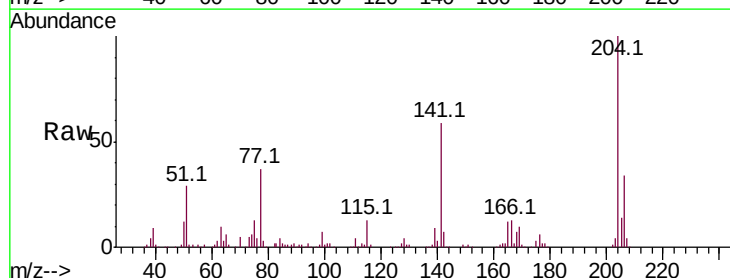
Tgt Ion:204 Resp: 199476

Ion Ratio Lower Upper

204 100

206 33.9 26.5 39.7

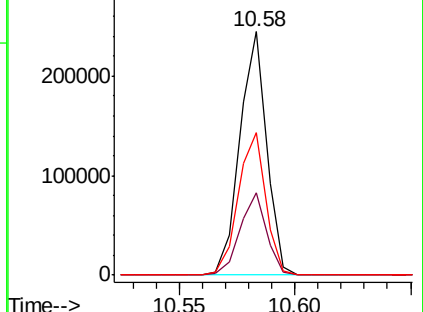
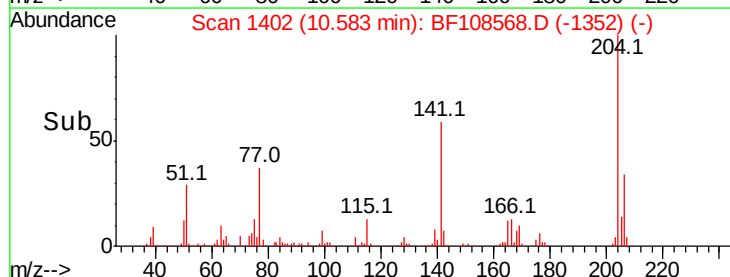
141 58.7 54.6 81.8

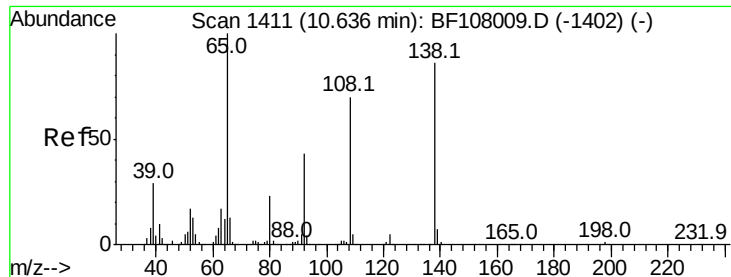


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

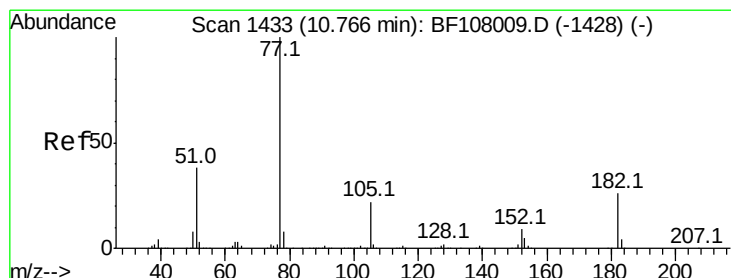
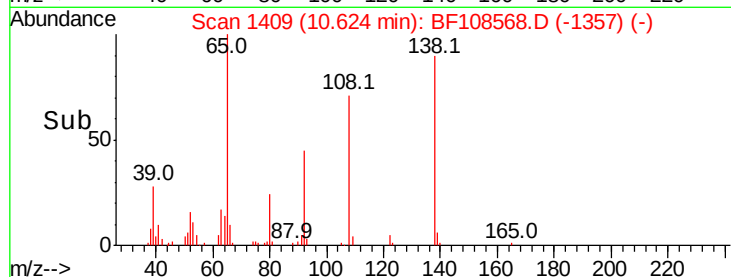
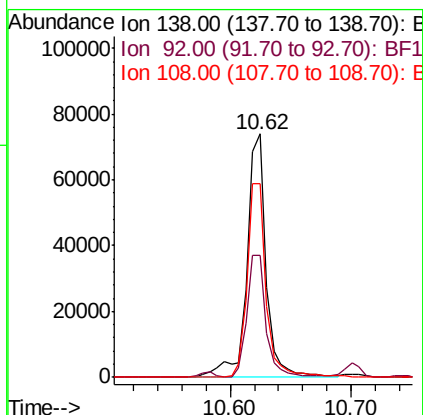
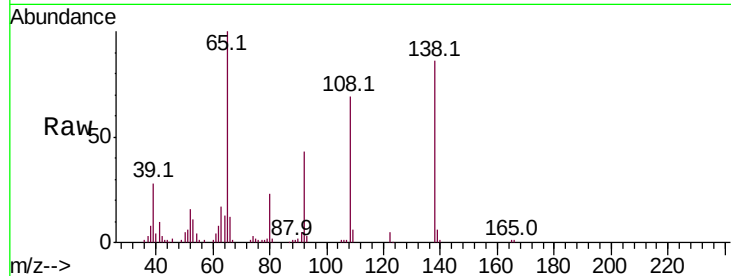




#61
4-Nitroaniline
Concen: 28.293 ng
RT: 10.62 min Scan# 1409
Delta R.T. 0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

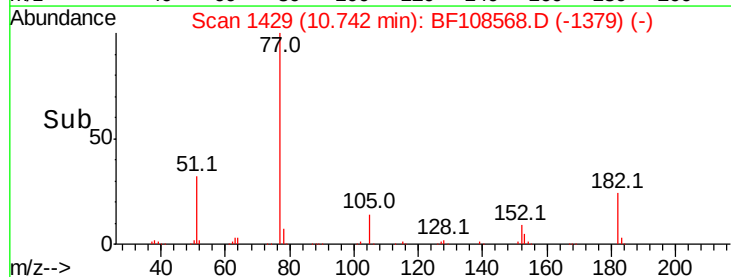
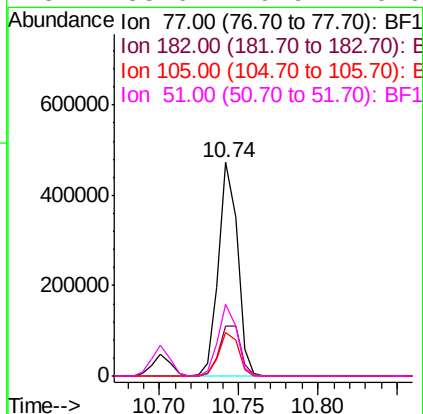
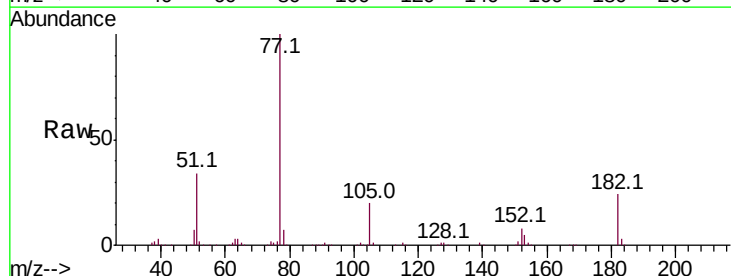
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

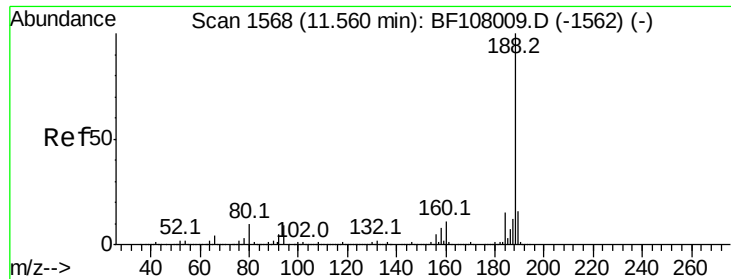
Tot Ion:138 Resp: 83348
Ion Ratio Lower Upper
138 100
92 50.2 30.2 70.2
108 79.7 52.5 92.5



#62
Azobenzene
Concen: 30.442 ng
RT: 10.74 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion: 77 Resp: 396257
Ion Ratio Lower Upper
77 100
182 23.5 1.7 41.7
105 20.3 3.0 43.0
51 33.6 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

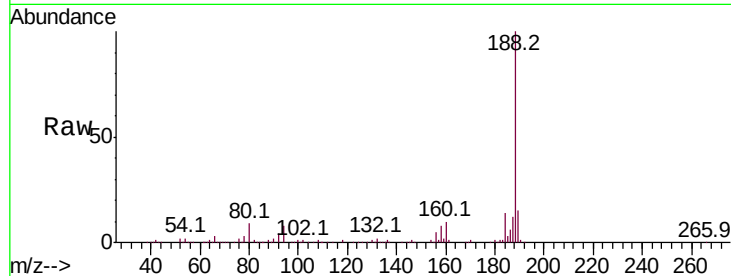
Tot Ion:188 Resp: 314813

Ion Ratio Lower Upper

188 100

94 7.8 8.5 12.7#

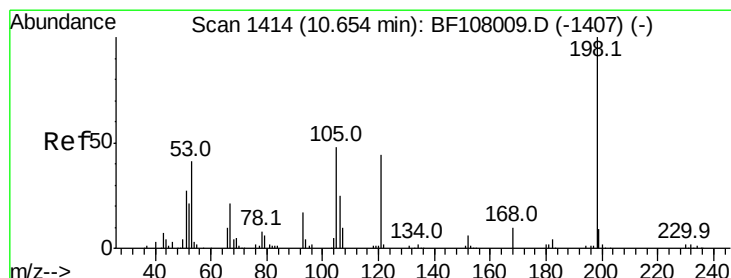
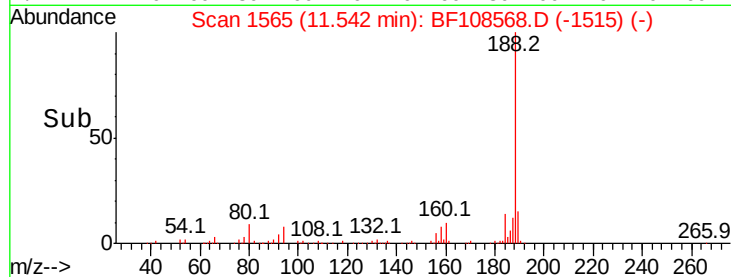
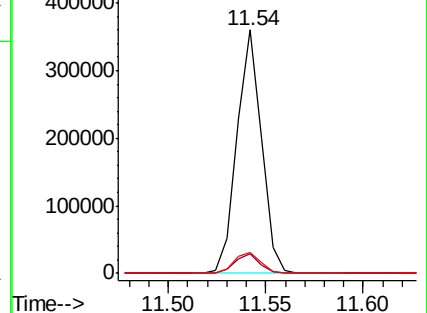
80 8.6 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 15.277 ng

RT: 10.64 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

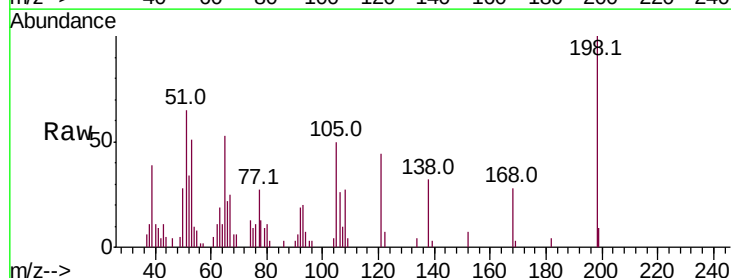
Tgt Ion:198 Resp: 13196

Ion Ratio Lower Upper

198 100

51 64.6 37.7 77.7

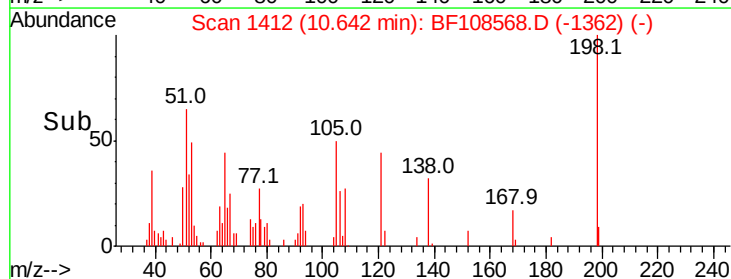
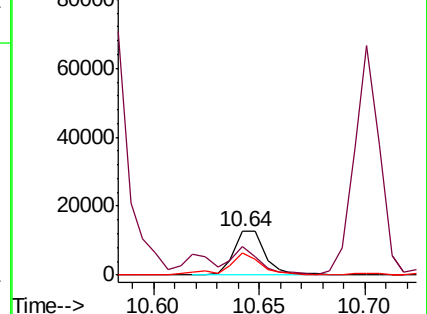
105 50.2 36.3 76.3

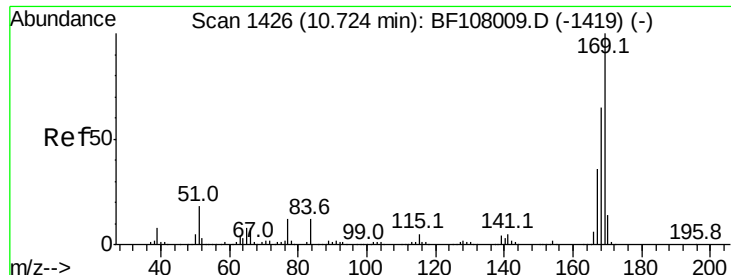


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

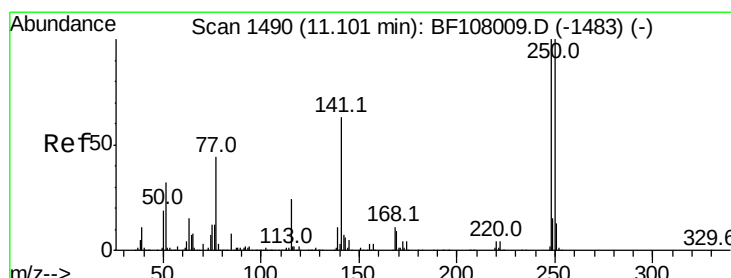
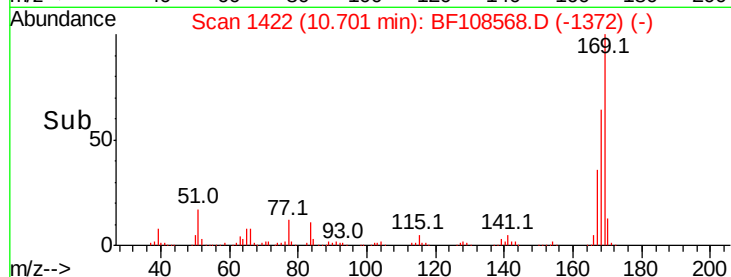
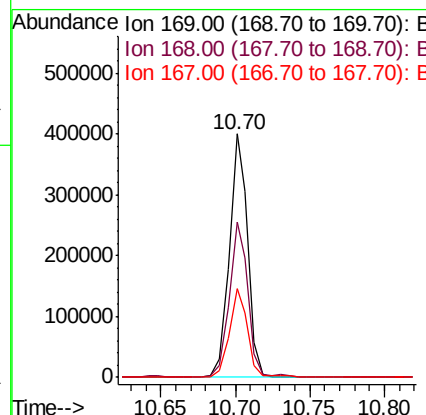
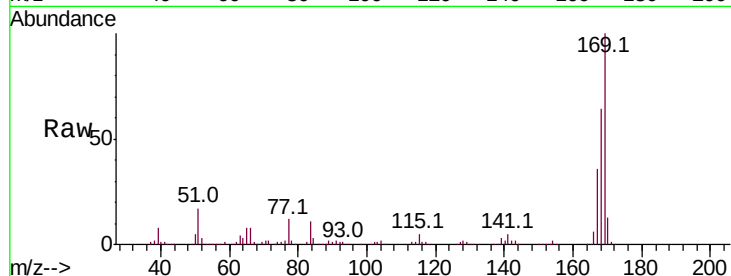




#65
 n-Nitrosodiphenylamine
 Concen: 37.343 ng
 RT: 10.70 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

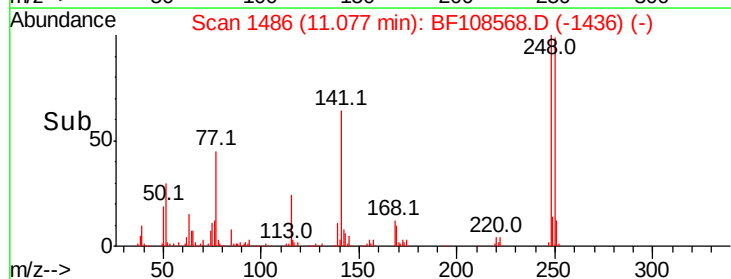
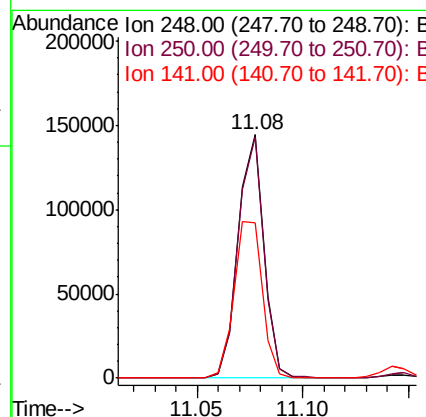
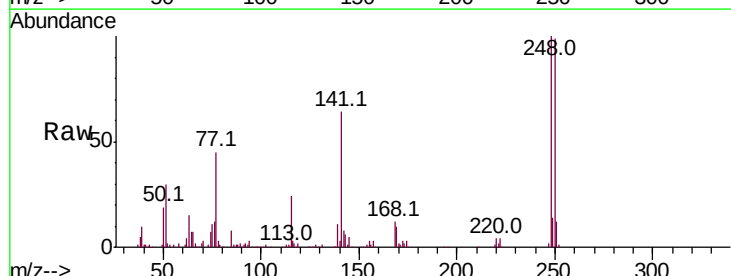
Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

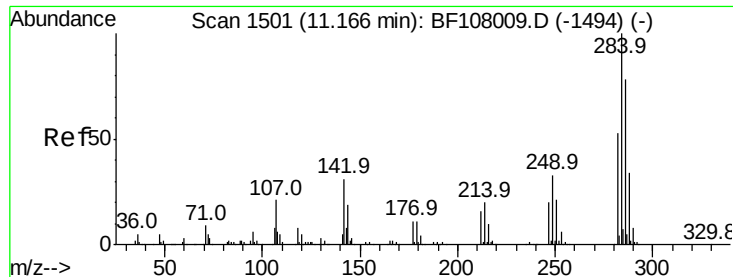
Tot Ion	Ratio	Lower	Upper
169	100		
168	64.0	54.4	81.6
167	36.3	29.8	44.6



#66
 4-Bromophenyl-phenylether
 Concen: 35.381 ng
 RT: 11.08 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.9	76.9	115.3
141	63.8	74.4	111.6#

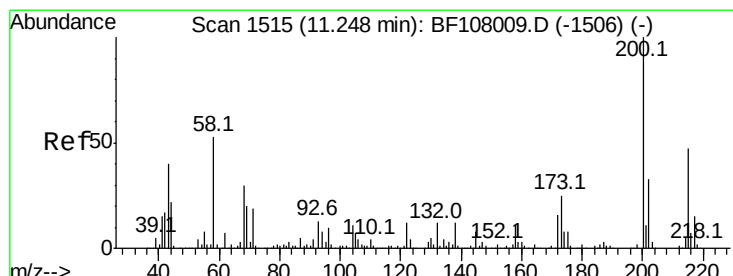
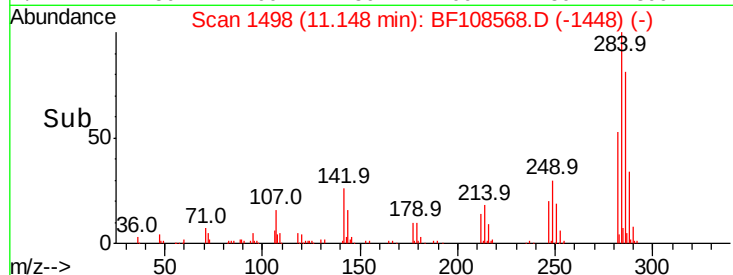
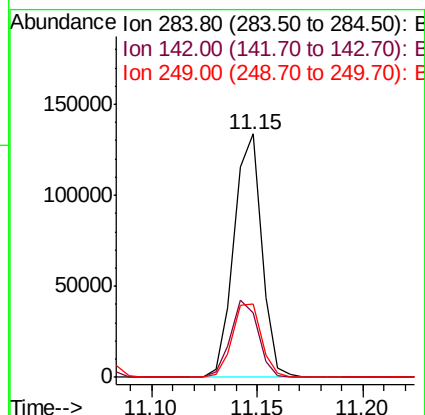
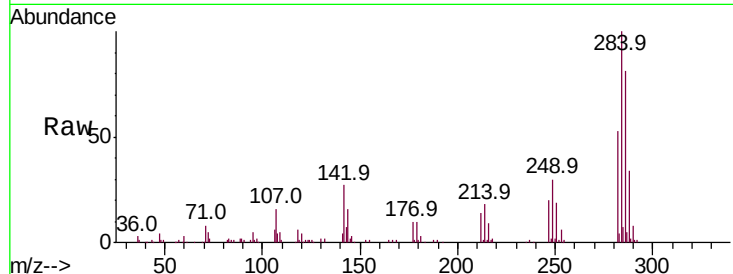




#67
Hexachlorobenzene
Concen: 33.682 ng
RT: 11.15 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

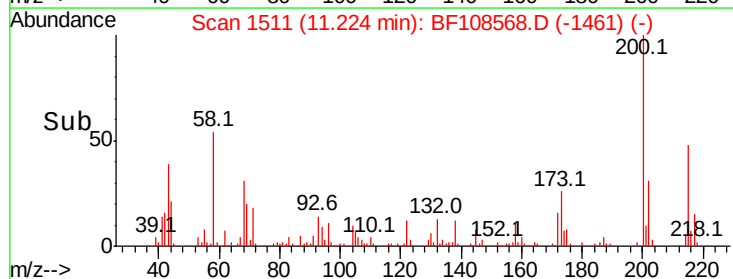
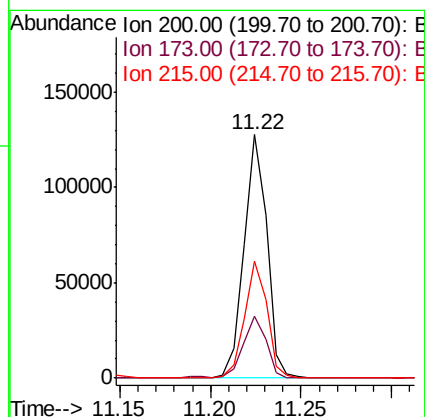
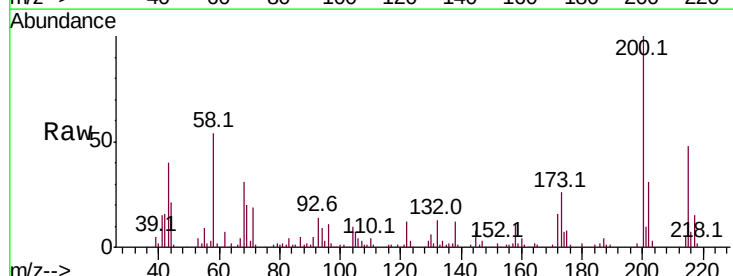
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

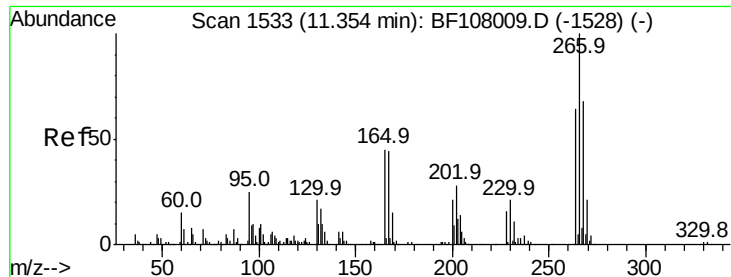
Tot Ion	Ratio	Lower	Upper
284	100		
142	26.7	34.6	52.0#
249	30.3	24.8	37.2



#68
Atrazine
Concen: 35.944 ng
RT: 11.22 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.5	8.6	48.6
215	48.0	25.1	65.1

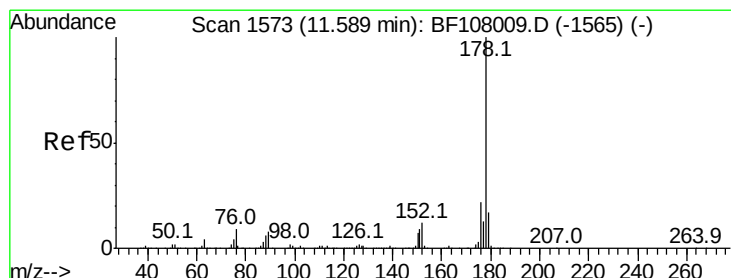
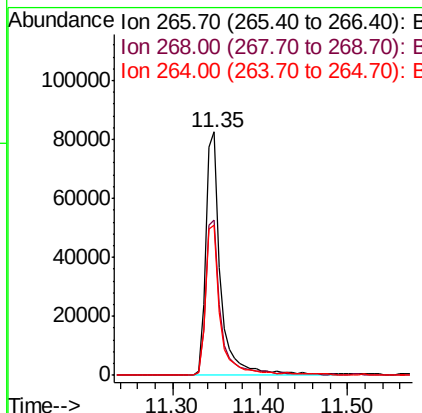
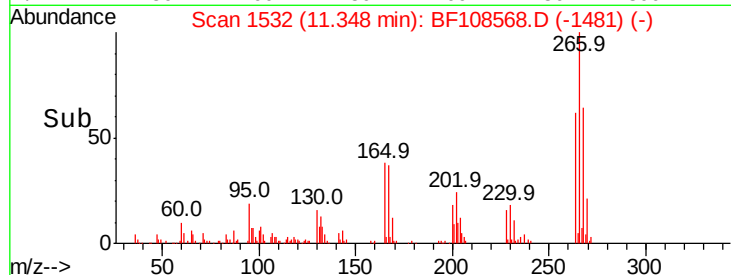
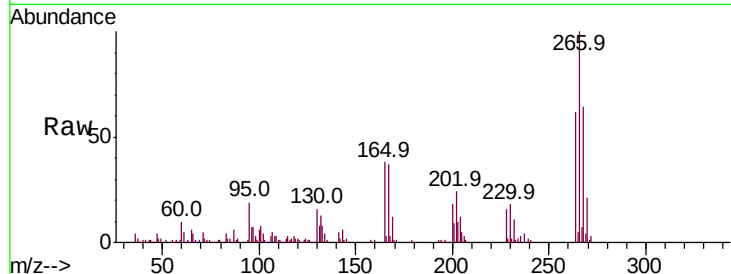




#69
 Pentachlorophenol
 Concen: 57.262 ng
 RT: 11.35 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

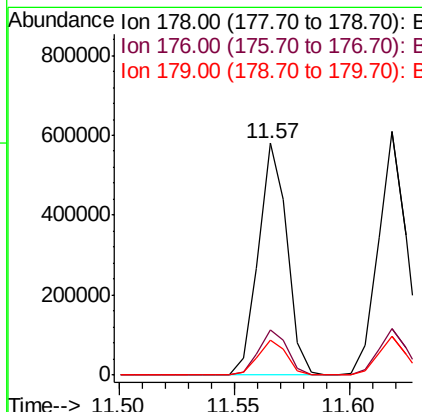
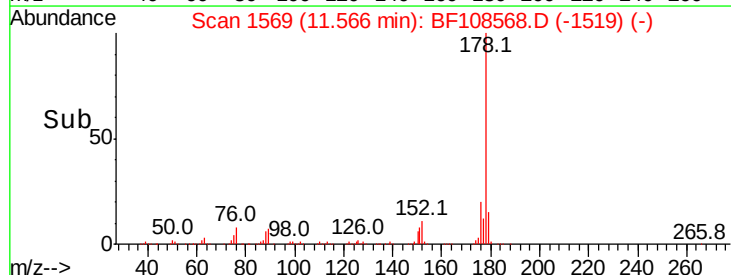
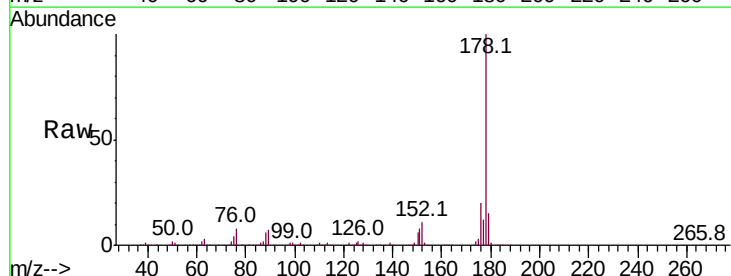
Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

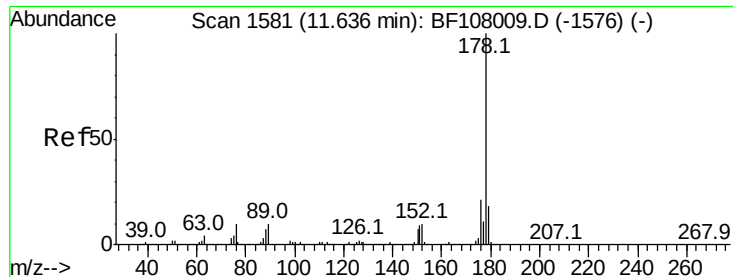
Tot Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.1	76.7
264	61.8	49.5	74.3



#70
 Phenanthrene
 Concen: 33.948 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.3	13.0	19.6

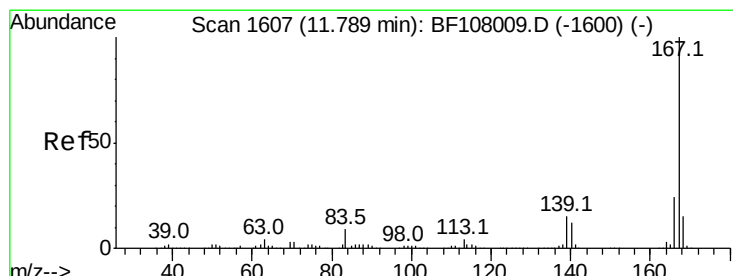
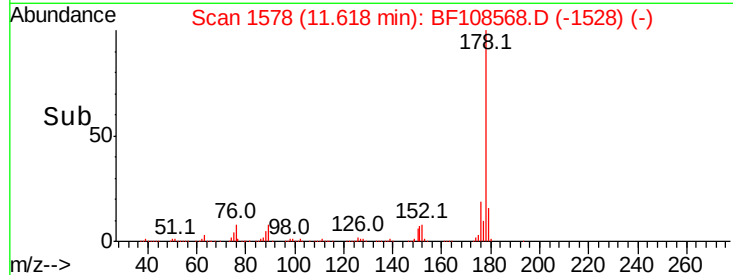
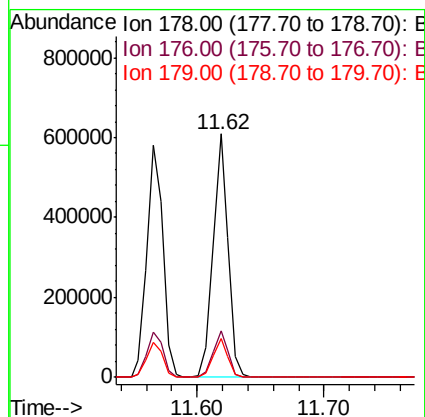
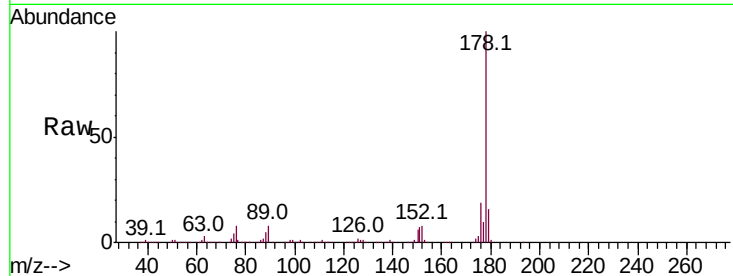




#71
 Anthracene
 Concen: 33.740 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

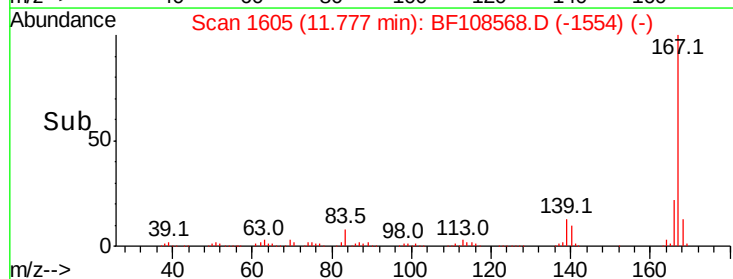
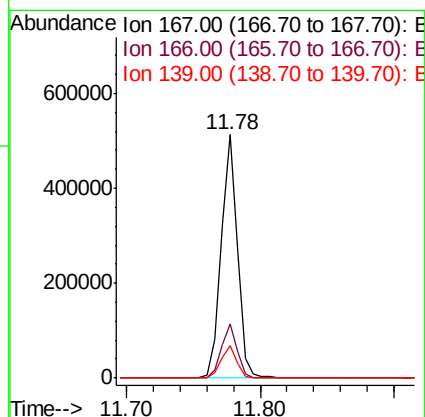
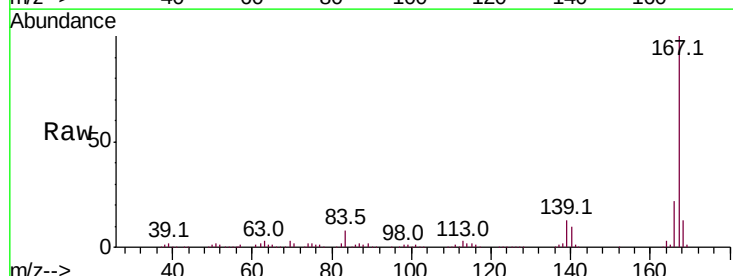
Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

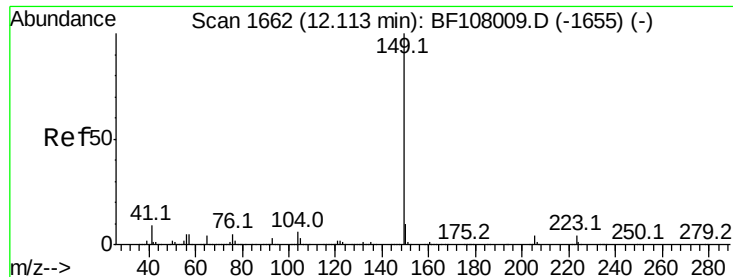
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.9	12.6	19.0



#72
 Carbazole
 Concen: 32.750 ng
 RT: 11.78 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	13.1	10.9	16.3

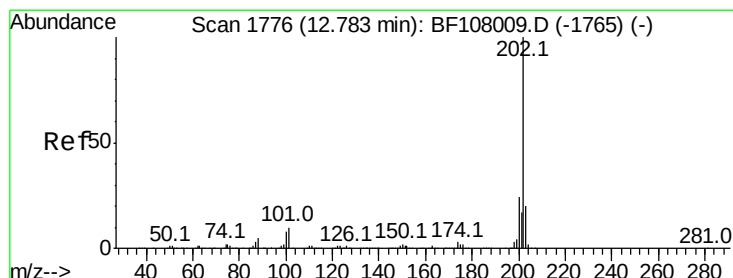
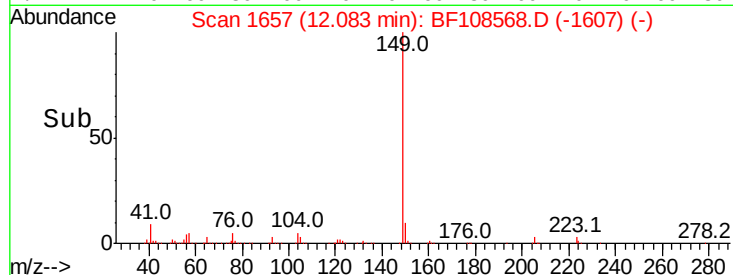
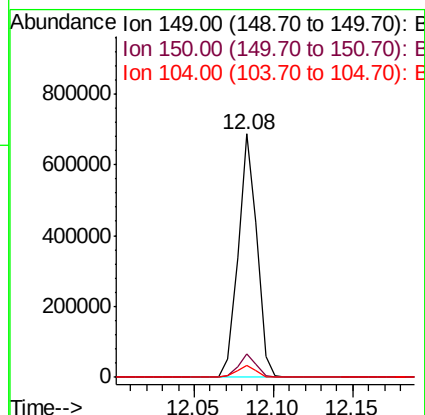
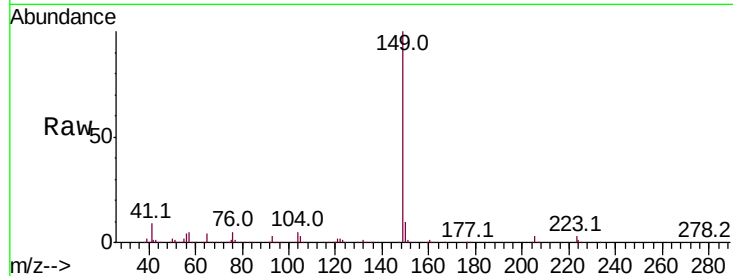




#73
Di-n-butylphthalate
Concen: 36.553 ng
RT: 12.08 min Scan# 1657
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

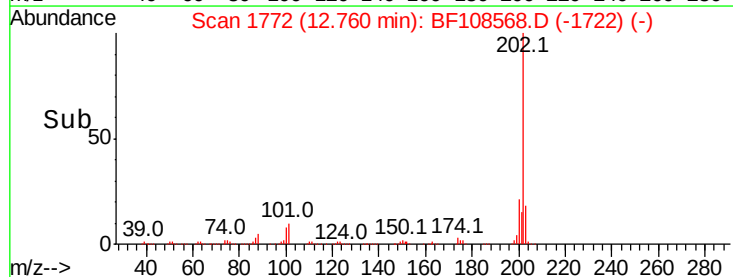
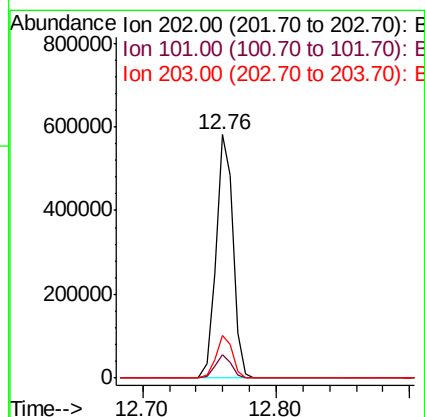
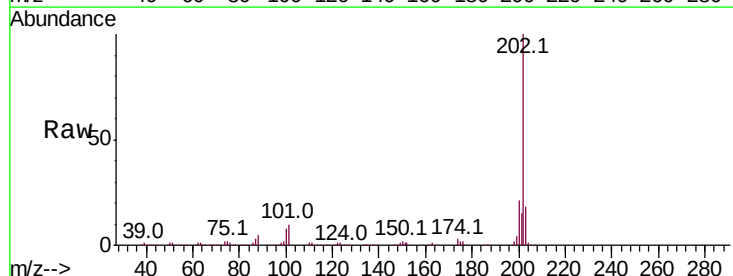
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

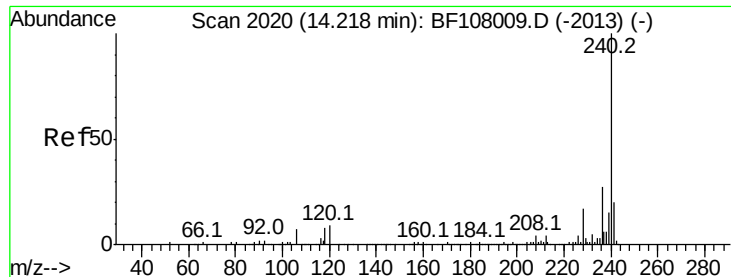
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.6
104	5.0	3.8	5.8



#74
Fluoranthene
Concen: 32.108 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

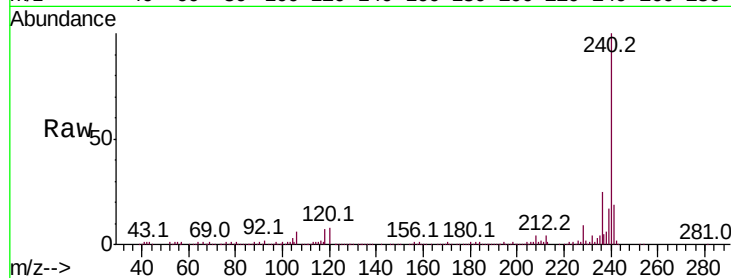
Tot Ion:240 Resp: 266673

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

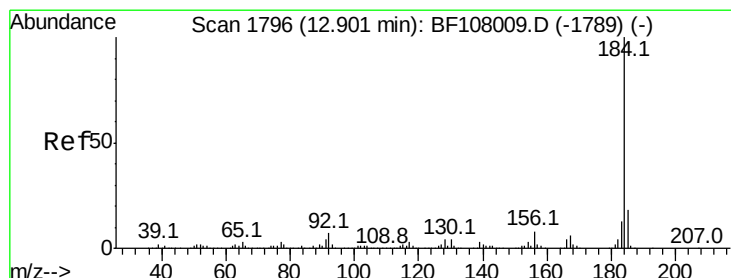
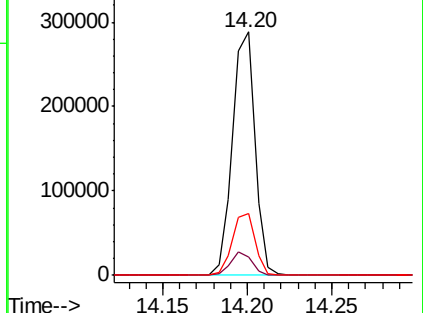
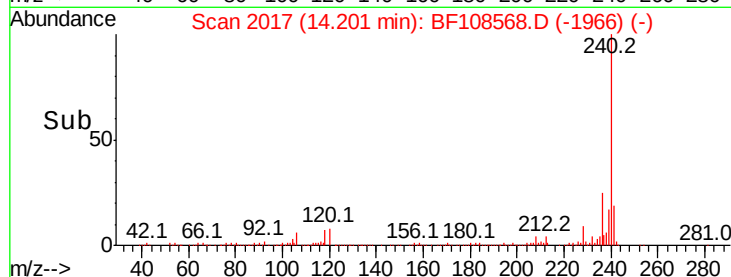
236 25.3 20.7 31.1



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: 27.388 ng

RT: 12.88 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

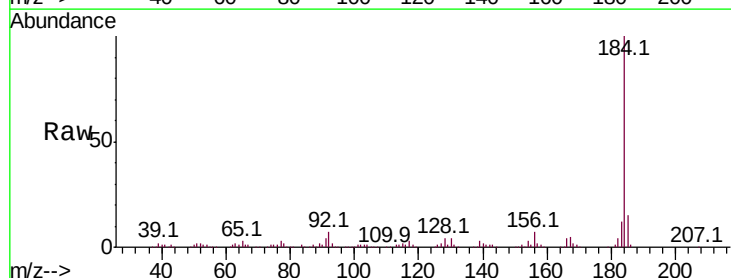
Tgt Ion:184 Resp: 272883

Ion Ratio Lower Upper

184 100

185 14.8 12.6 18.8

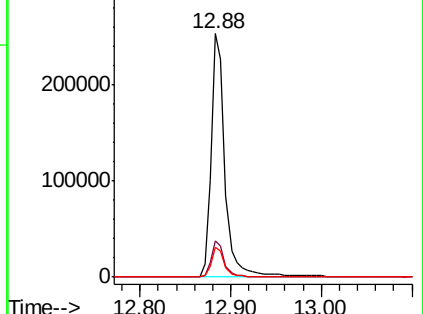
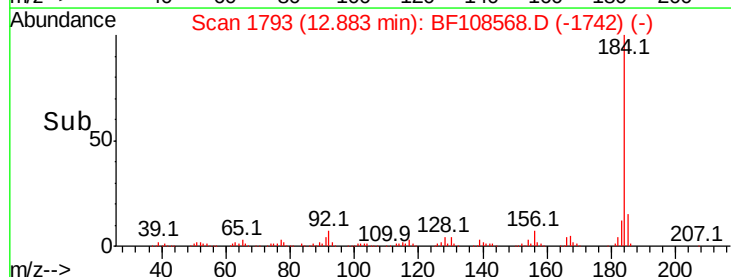
183 12.1 9.3 13.9

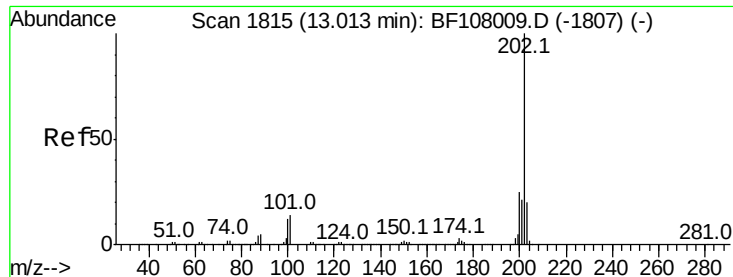


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

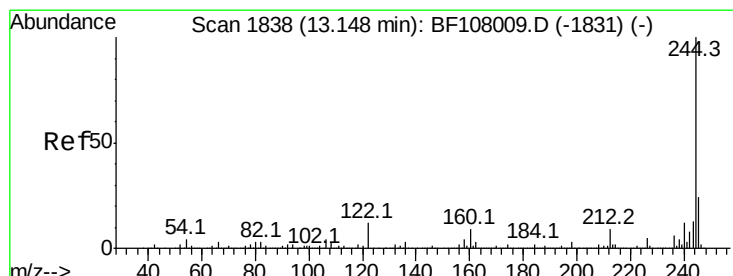
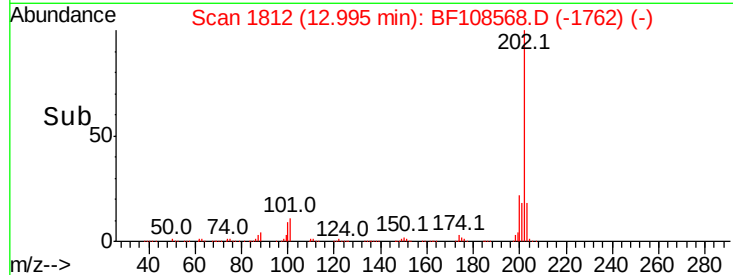
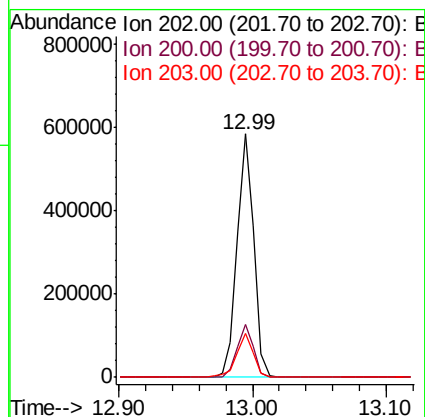
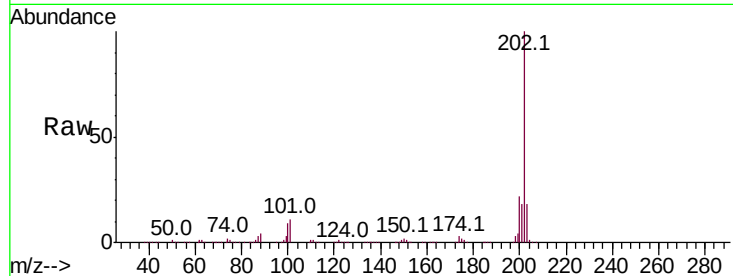




#77
Pvrene
Concen: 30.548 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

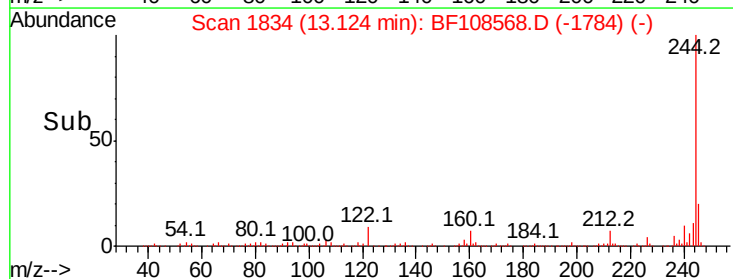
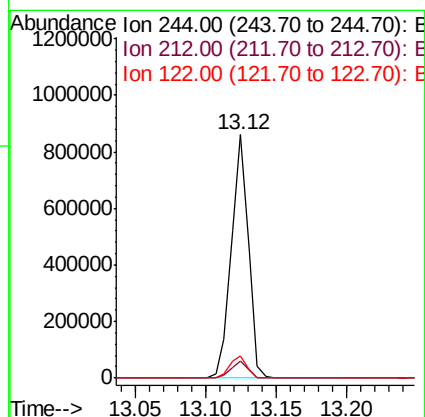
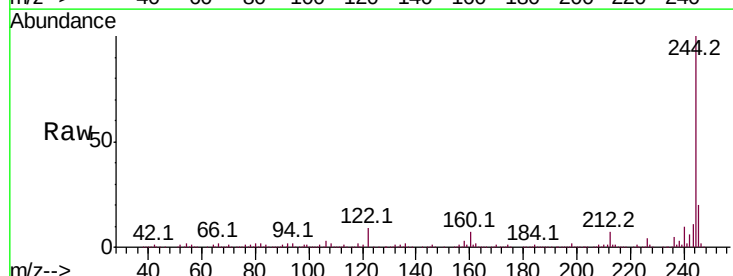
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

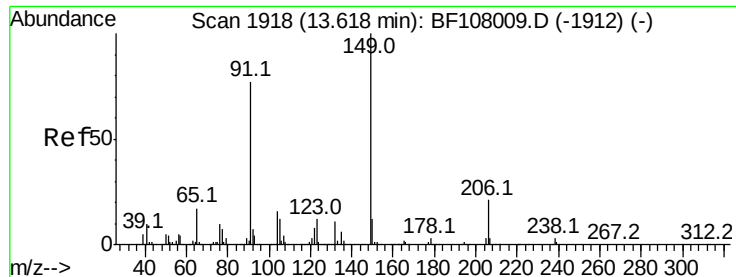
Tot Ion:	202	Resp:	515751
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.9	14.3	21.5



#78
Terphenyl-d14
Concen: 68.632 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion:	244	Resp:	719839
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	9.1	11.0	16.4#

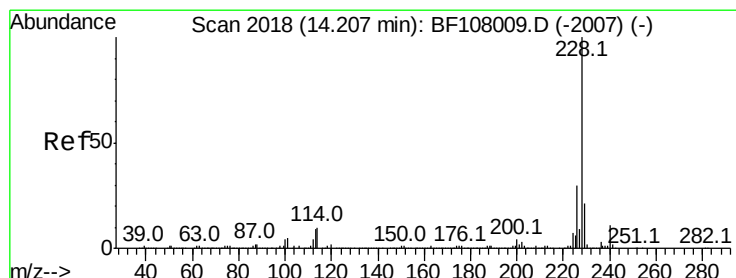
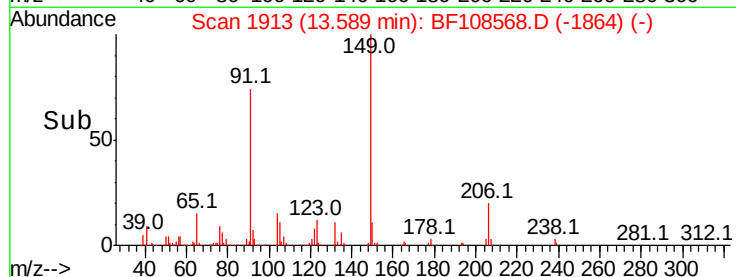
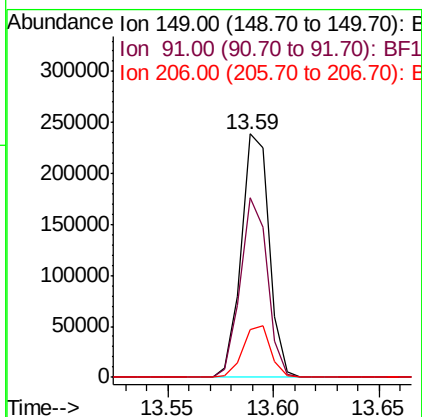
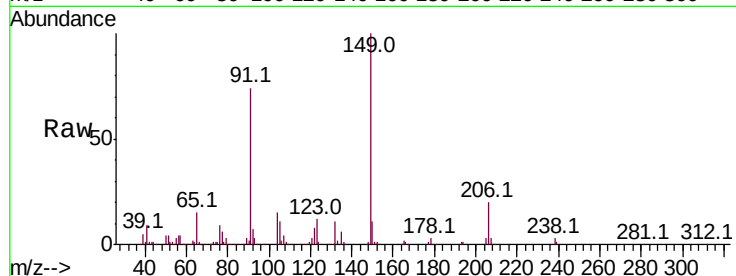




#79
Butylbenzylphthalate
Concen: 32.581 ng
RT: 13.59 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

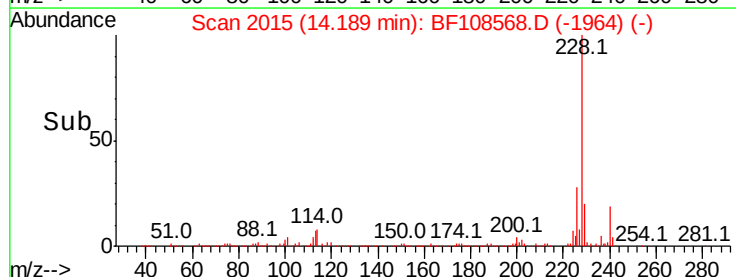
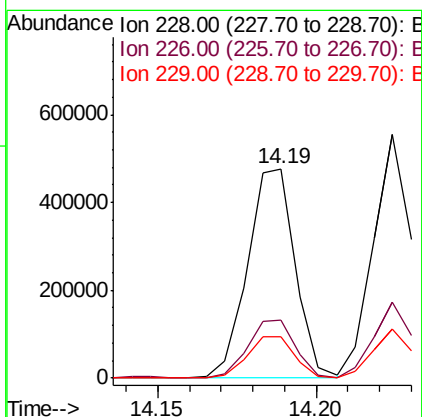
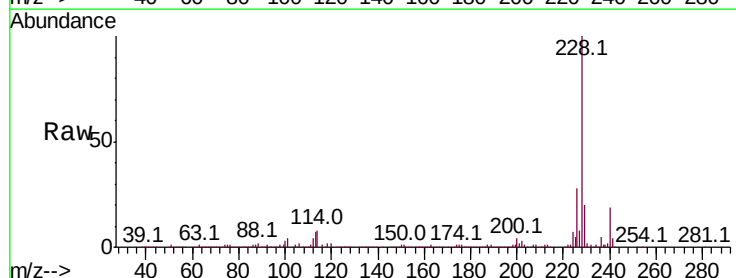
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

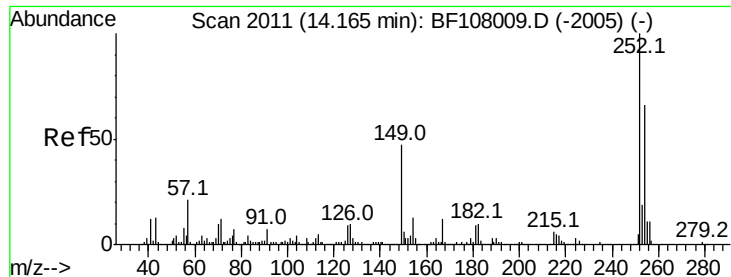
Tot Ion:149 Resp: 218424
Ion Ratio Lower Upper
149 100
91 73.8 56.8 85.2
206 19.6 14.1 21.1



#80
Benzo(a)anthracene
Concen: 32.529 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion:228 Resp: 497841
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 19.7 15.8 23.6

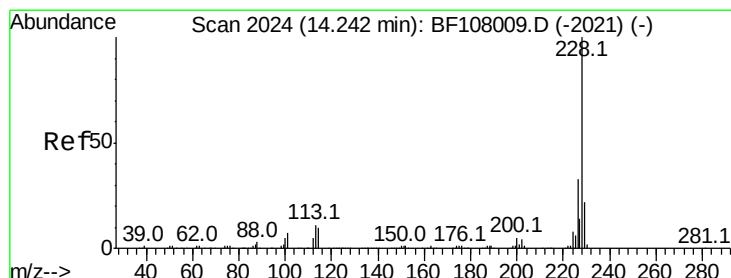
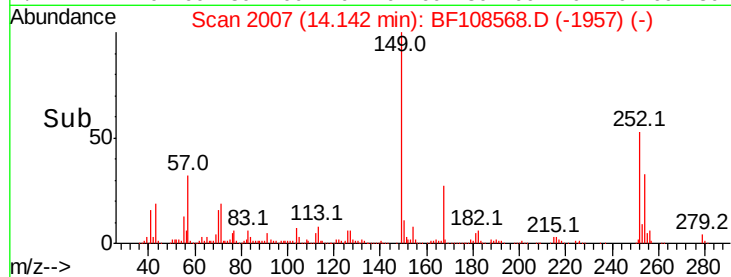
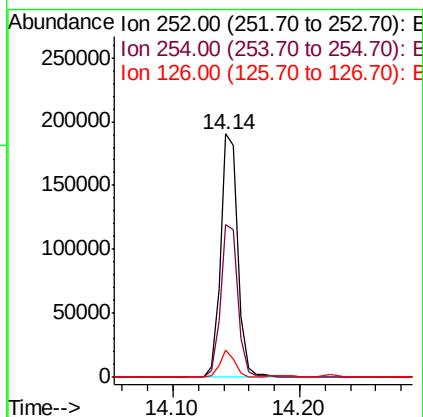
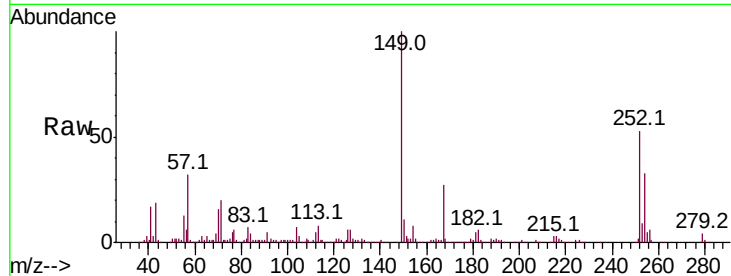




#81
 3,3'-Dichlorobenzidine
 Concen: 33.158 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

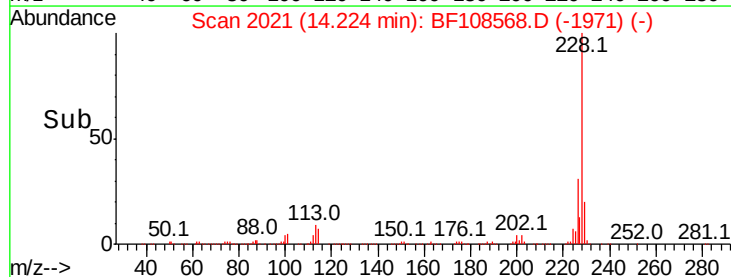
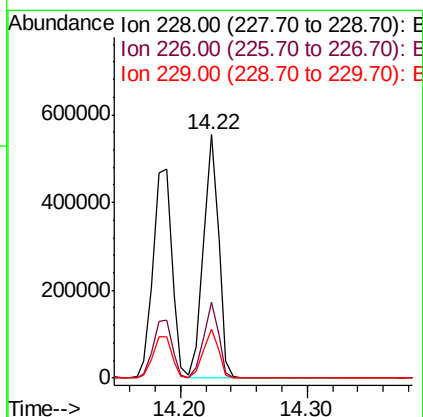
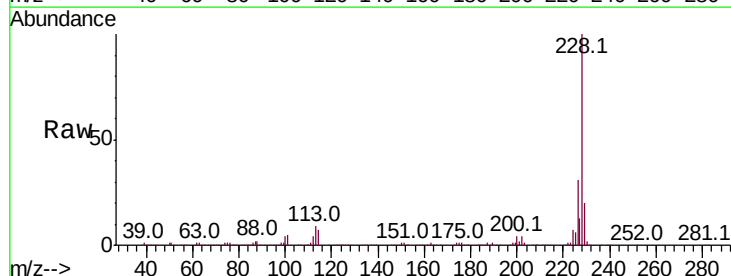
Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

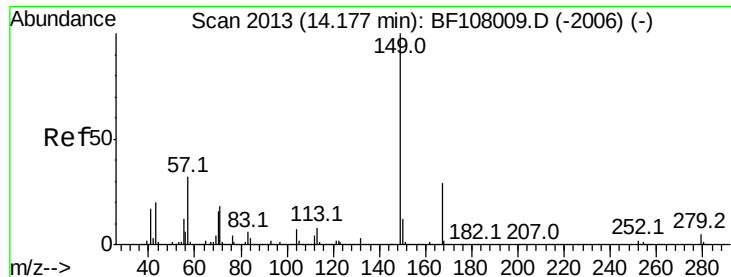
Tot Ion:252 Resp: 181861
 Ion Ratio Lower Upper
 252 100
 254 62.8 50.4 75.6
 126 11.0 11.3 16.9#



#82
 Chrysene
 Concen: 33.049 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion:228 Resp: 463706
 Ion Ratio Lower Upper
 228 100
 226 31.0 25.0 37.6
 229 20.1 16.2 24.4

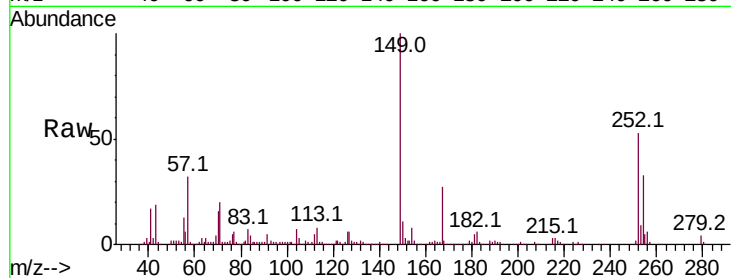




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 33.161 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.3	31.9
279	4.0	3.0	4.4

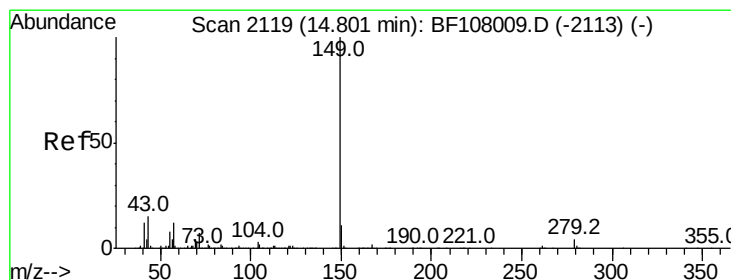
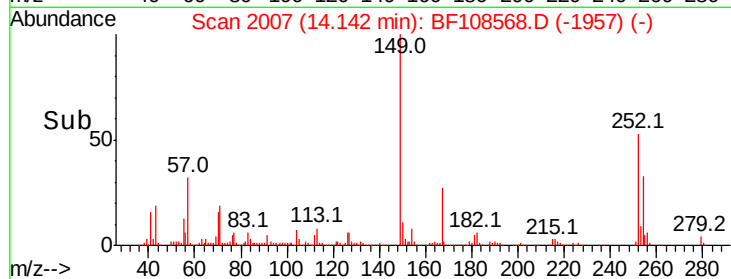
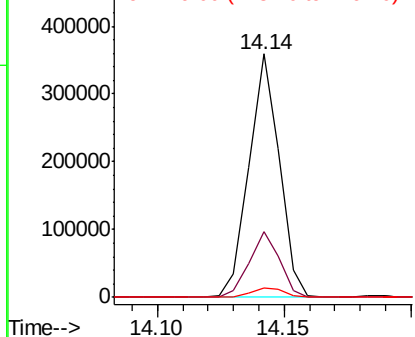


Abundance

Ion 149.00 (148.70 to 149.70): E

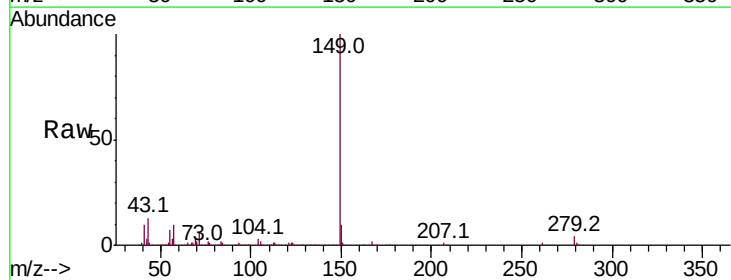
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 38.296 ng
 RT: 14.77 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	12.2	8.4	12.6

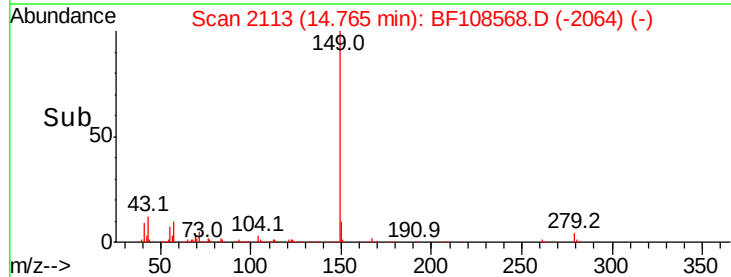
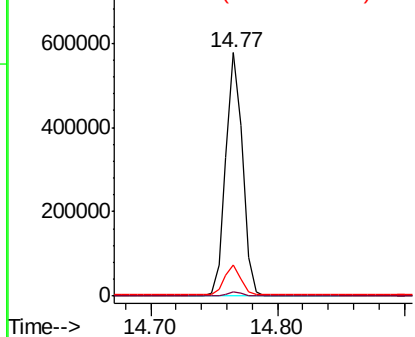


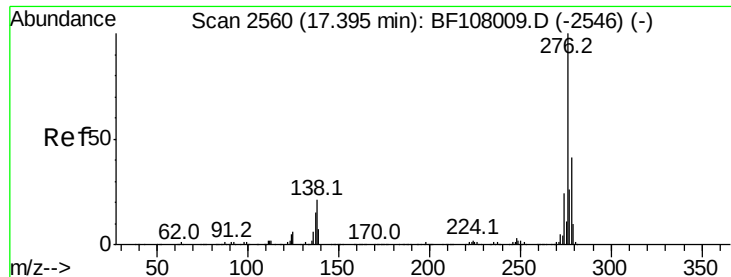
Abundance

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: 27.480 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

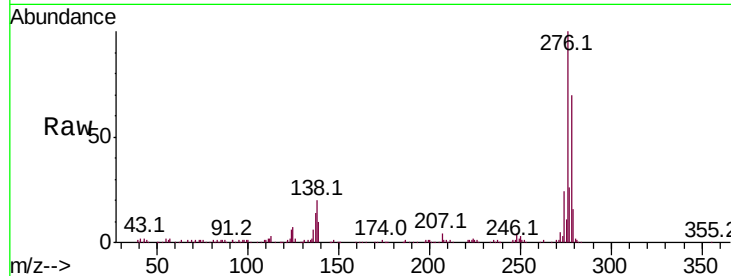
Tot Ion:276 Resp: 334083

Ion Ratio Lower Upper

276 100

138 21.0 25.0 37.6#

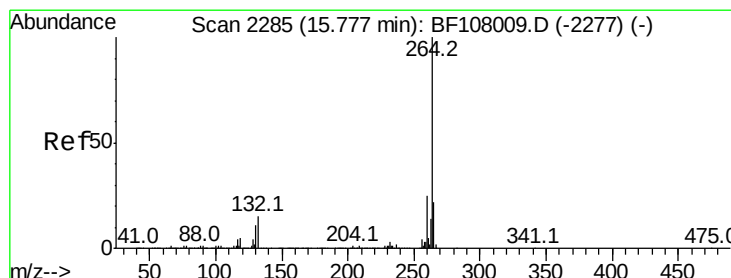
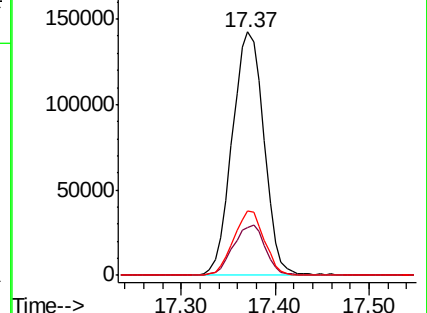
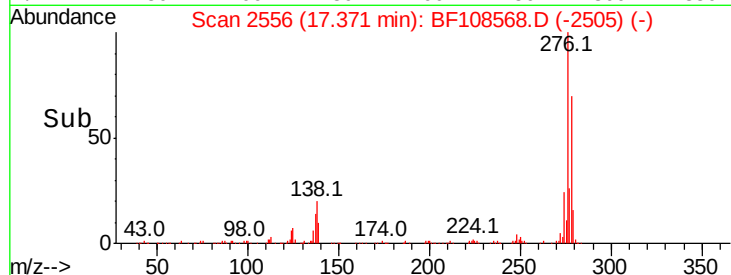
277 25.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108568.D

Acq: 28 Aug 2018 21:02

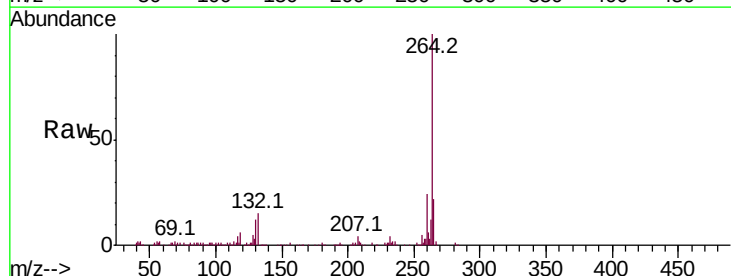
Tgt Ion:264 Resp: 209930

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

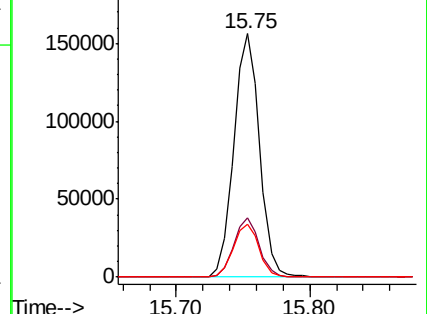
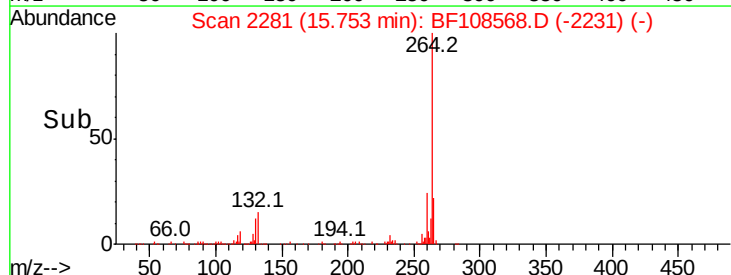
265 21.6 17.5 26.3

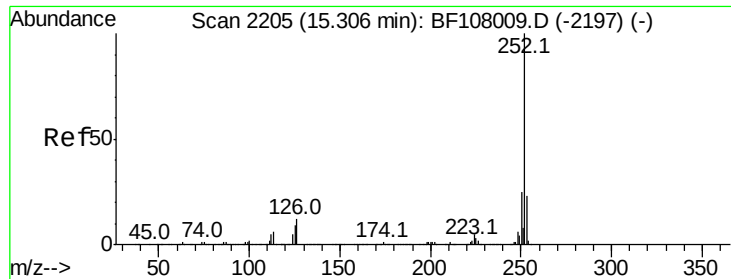


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

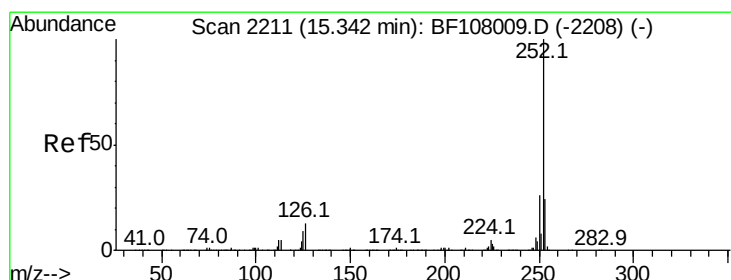
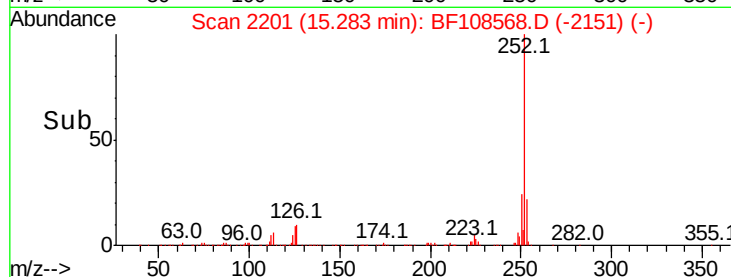
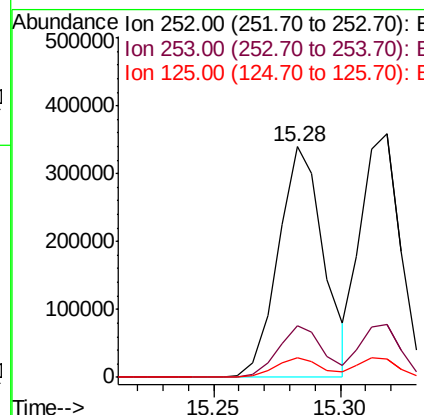
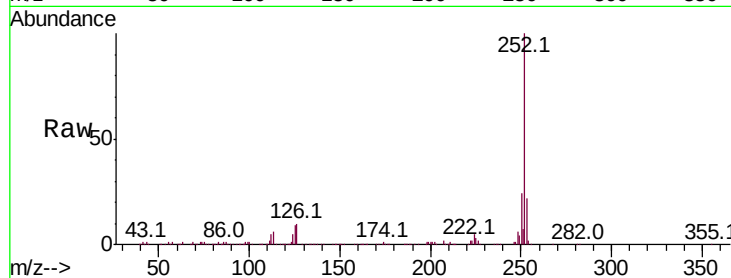




#87
Benzo(b)fluoranthene
Concen: 33.882 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

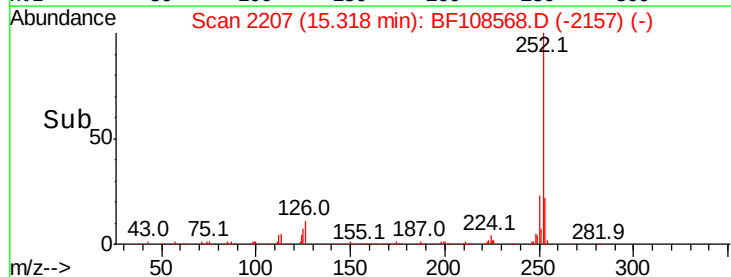
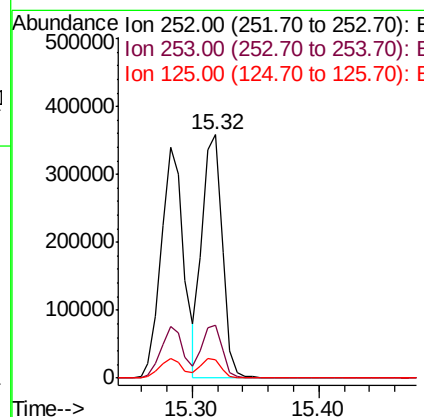
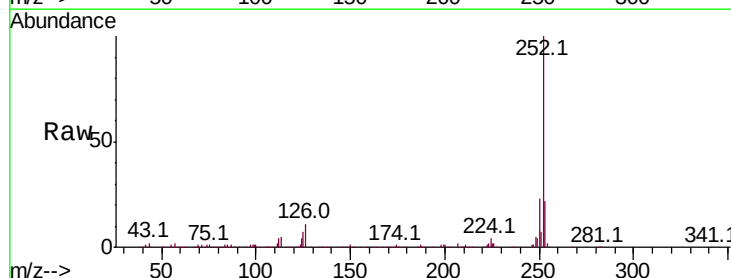
Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

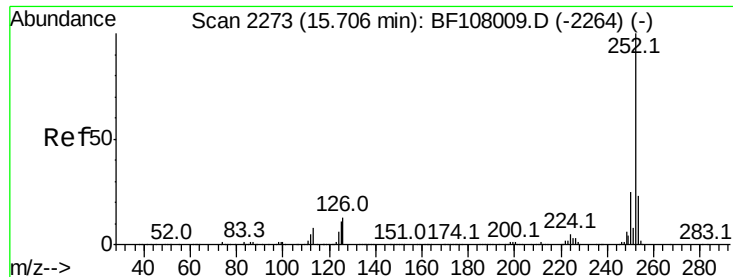
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	8.7	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 34.054 ng
RT: 15.32 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	7.5	10.2	15.2#

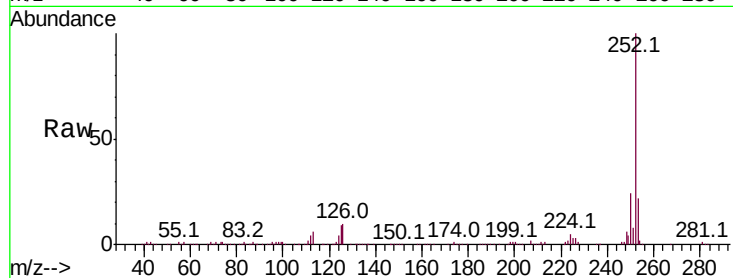




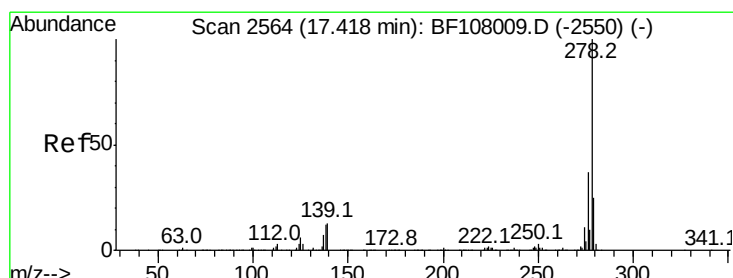
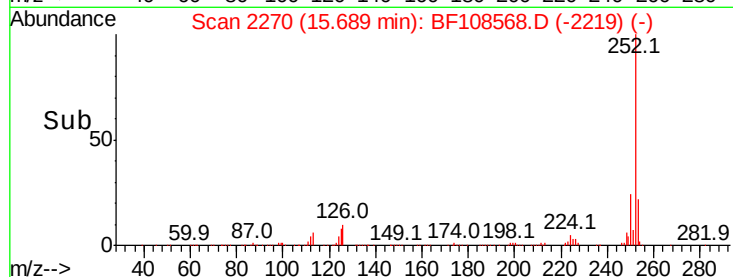
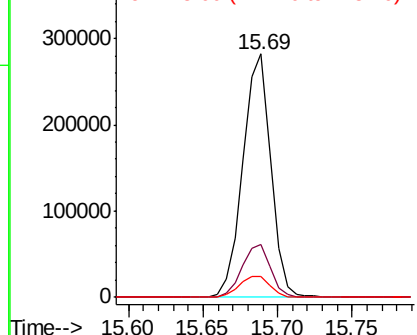
#89
Benzo(a)pyrene
Concen: 32.714 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	8.6	9.8	14.6

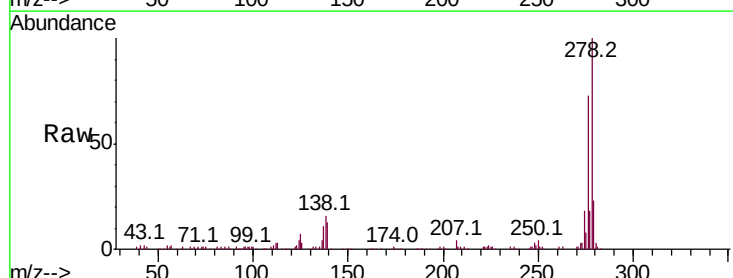


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

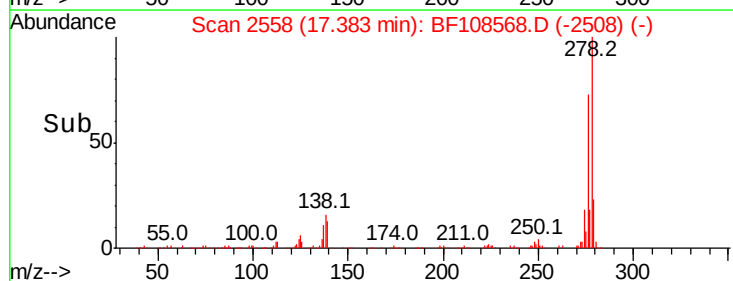
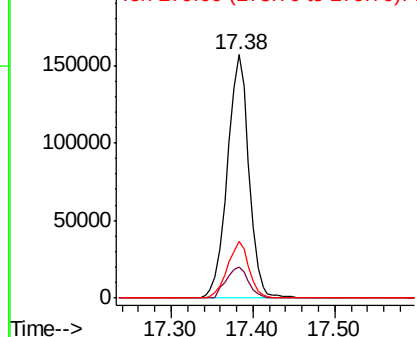


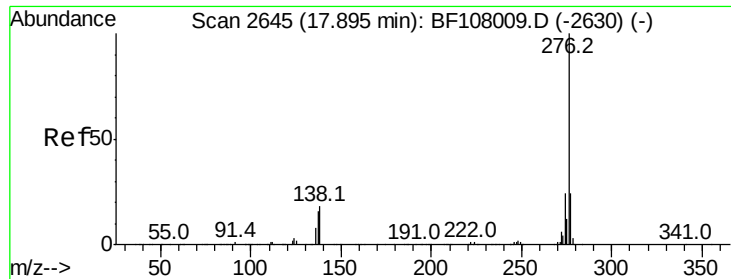
#90
Dibenzo(a,h)anthracene
Concen: 30.989 ng
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108568.D
Acq: 28 Aug 2018 21:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.6	15.9	23.9
279	23.1	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 28.905 ng
 RT: 17.87 min Scan# 2640
 Delta R.T. -0.00 min
 Lab File: BF108568.D
 Acq: 28 Aug 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	18.6	21.8	32.8

