

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108796.D
 Acq On : 6 Sep 2018 1:16
 Operator : JU/SJ
 Sample : J4791-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 05:30:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	277588	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	1029101	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	434071	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	717040	20.00	ng	0.00
75) Chrysene-d12	13.87	240	520294	20.00	ng	0.00
86) Perylene-d12	15.27	264	484806	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	268752	16.04	ng	0.00
7) Phenol-d6	6.35	99	351716	16.31	ng	-0.01
23) Nitrobenzene-d5	7.28	82	180155	10.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	53755	12.97	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	375399	14.75	ng	0.00
78) Terphenyl-d14	12.82	244	299052	13.40	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.44	88	350	0.043	ng	# 20
3) Pyridine	3.24	79	107	0.005	ng	# 21
4) n-Nitrosodimethylamine	3.09	42	142	0.017	ng	# 1
6) Aniline	6.39	93	111	0.004	ng	# 42
9) Benzaldehyde	6.27	77	480	0.031	ng	# 12
10) Phenol	6.37	94	6164	0.250	ng	# 93
11) bis(2-Chloroethyl)ether	6.50	93	376	0.019	ng	# 1
15) Benzyl Alcohol	6.89	79	4030	0.244	ng	# 39
17) 2-Methylphenol	7.14	107	275	0.018	ng	# 19
18) Hexachloroethane	7.30	117	125	0.016	ng	# 2
19) n-Nitroso-di-n-propylamine	7.28	70	24562	1.639	ng	# 79
20) 3+4-Methylphenols	7.14	107	275	0.015	ng	# 28
22) Acetophenone	7.14	105	1144	0.049	ng	# 75
24) Nitrobenzene	7.28	77	813	0.046	ng	# 32
25) Isophorone	7.28	82	180013	5.488	ng	# 64
28) bis(2-Chloroethoxy)methane	8.04	93	983	0.045	ng	# 49
31) Naphthalene	8.04	128	7268	0.157	ng	# 95
32) Benzoic acid	8.02	122	130	4.032	ng	# 1
33) 4-Chloroaniline	8.04	127	826	0.039	ng	# 1
35) Caprolactam	8.40	113	114	0.023	ng	# 92
37) 2-Methylnaphthalene	8.72	142	3410	0.111	ng	# 93
45) 1,1'-Biphenyl	9.19	154	2848	0.085	ng	# 87
46) 2-Chloronaphthalene	9.48	162	983	0.036	ng	# 1
47) 2-Nitroaniline	9.21	65	130	0.018	ng	# 2
48) Acenaphthylene	9.62	152	19060	0.473	ng	# 97
49) Dimethylphthalate	9.48	163	129460	4.264	ng	# 100
50) 2,6-Dinitrotoluene	9.77	165	55958	9.673	ng	# 26
51) Acenaphthene	9.80	154	6766	0.271	ng	# 100
54) Dibenzofuran	9.97	168	4904	0.135	ng	# 88
55) 4-Nitrophenol	9.97	139	1463	0.284	ng	# 9
56) 2,4-Dinitrotoluene	9.77	165	55958	7.564	ng	# 23
57) Fluorene	10.31	166	9518	0.408	ng	# 95
59) Diethylphthalate	10.18	149	3466	0.111	ng	# 86
62) Azobenzene	10.46	77	986	0.030	ng	# 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

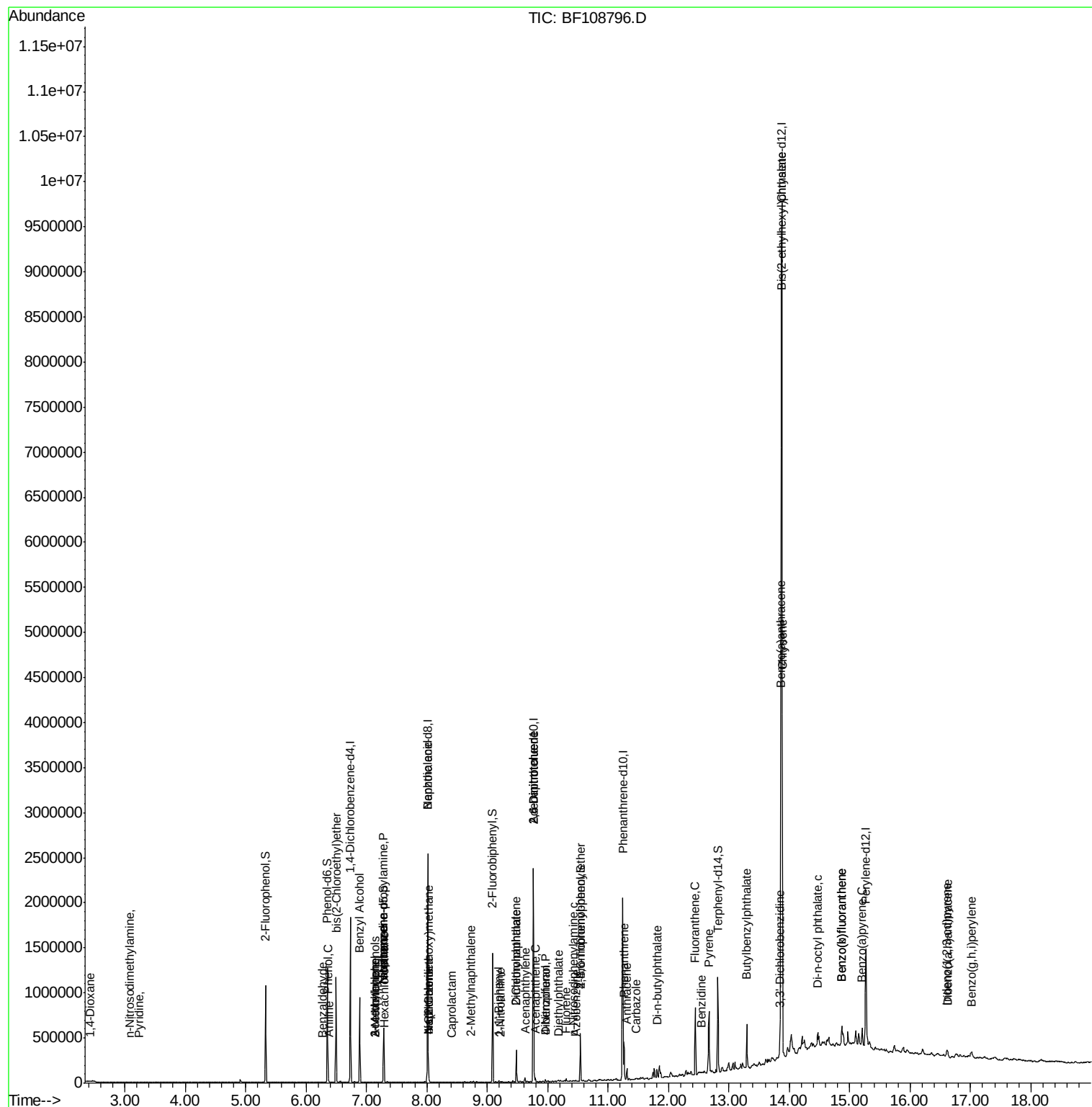
65) n-Nitrosodiphenylamine	10.42	169	867	0.036	nq	# 86
66) 4-Bromophenyl-phenylether	10.54	248	3479	0.430	nq	# 1
70) Phenanthrene	11.26	178	144086	4.208	nq	98
71) Anthracene	11.31	178	39295	1.199	nq	99
72) Carbazole	11.47	167	6952	0.201	nq	95
73) Di-n-butylphthalate	11.81	149	25324	0.660	nq	97
74) Fluoranthene	12.44	202	258203	7.616	nq	97
76) Benzidine	12.55	184	792	0.032	nq	# 3
77) Pyrene	12.67	202	258482	6.456	nq	97
79) Butylbenzylphthalate	13.30	149	104249	5.782	nq	96
80) Benzo(a)anthracene	13.85	228	127148	3.813	nq	95
81) 3,3'-Dichlorobenzidine	13.83	252	1190	0.092	nq	# 1
82) Chrysene	13.89	228	93644	2.901	nq	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	3043126	134.311	nq	# 95
84) Di-n-octyl phthalate	14.47	149	127088	3.364	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.61	276	47952	1.678	nq	94
87) Benzo(b)fluoranthene	14.87	252	160392	6.084	nq	# 94
88) Benzo(k)fluoranthene	14.87	252	160392	6.607	nq	97
89) Benzo(a)pyrene	15.21	252	86701	3.645	nq	95
90) Dibenzo(a,h)anthracene	16.62	278	13437	0.641	nq	# 80
91) Benzo(g,h,i)perylene	17.01	276	49887	2.377	nq	94

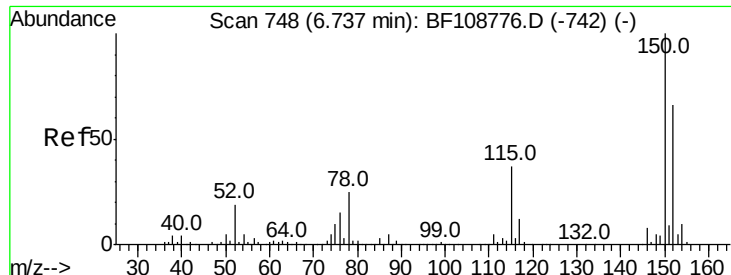
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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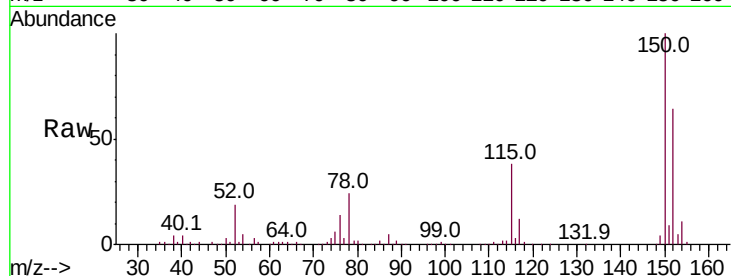


#1

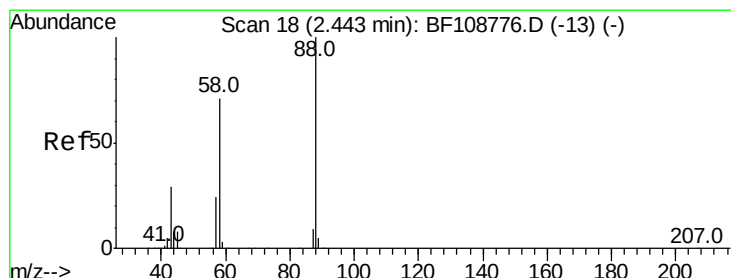
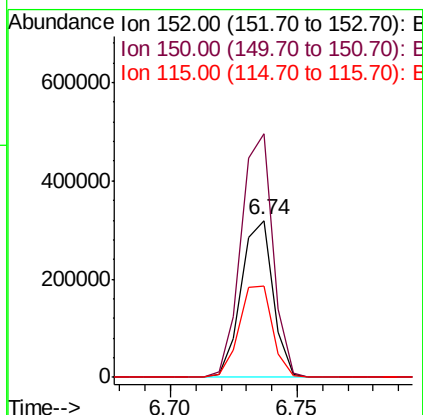
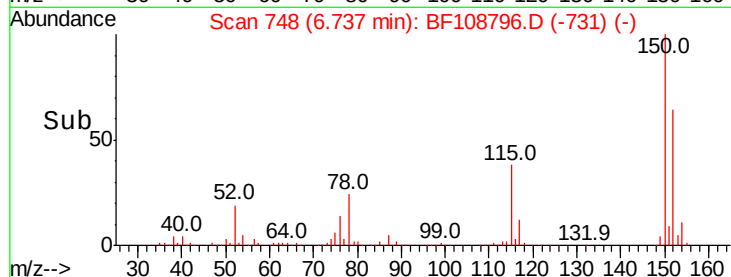
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 277588
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 58.4 50.1 75.1



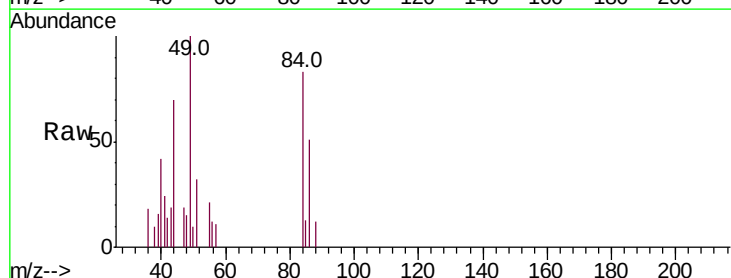
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



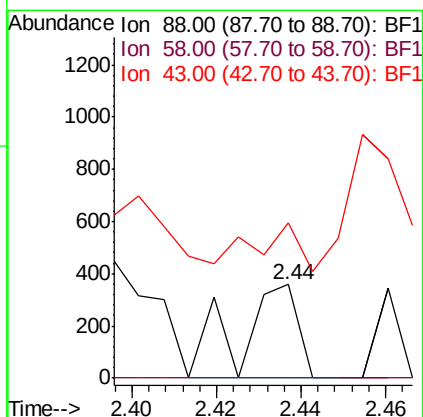
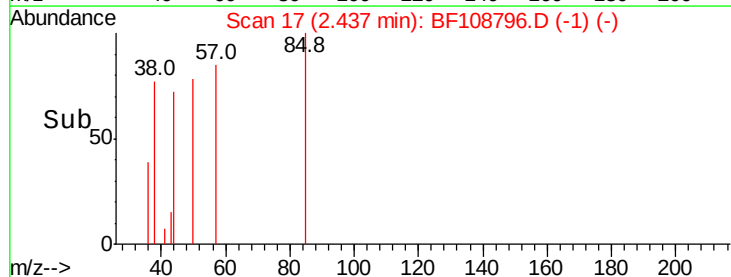
#2

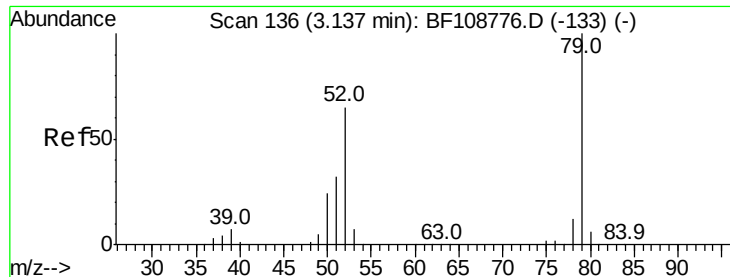
1,4-Dioxane
Concen: 0.043 ng
RT: 2.44 min Scan# 17
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion: 88 Resp: 350
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 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: 0.005 ng

RT: 3.24 min Scan# 153

Delta R.T. 0.10 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampled :

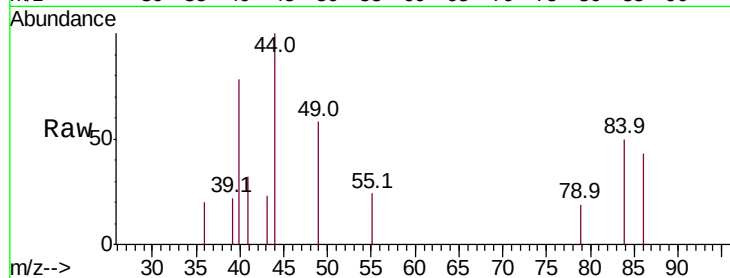
Tot Ion: 79 Resp: 107

Ion Ratio Lower Upper

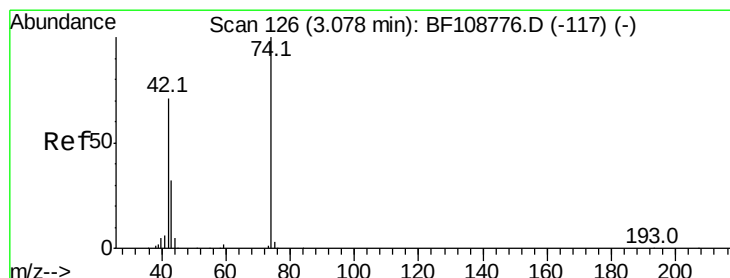
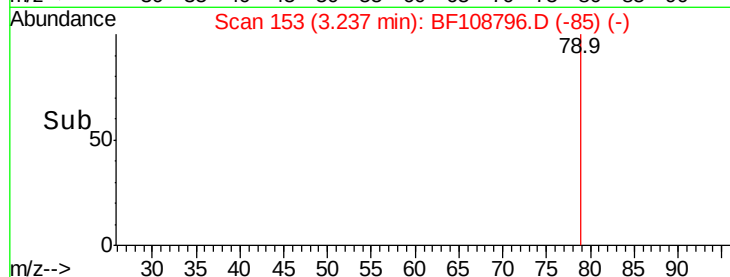
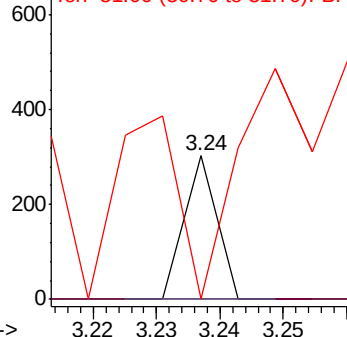
79 100

52 0.0 59.8 89.6#

51 0.0 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: 0.017 ng

RT: 3.09 min Scan# 128

Delta R.T. 0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

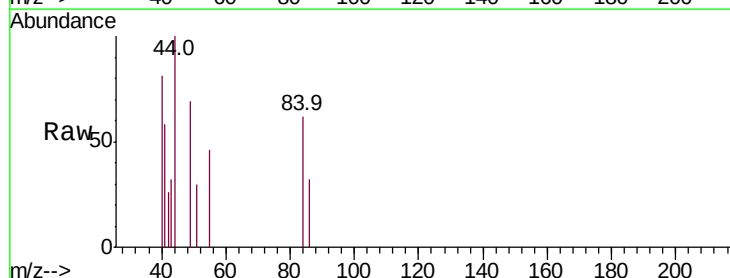
Tgt Ion: 42 Resp: 142

Ion Ratio Lower Upper

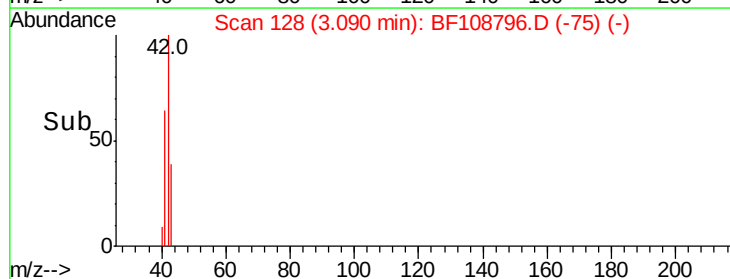
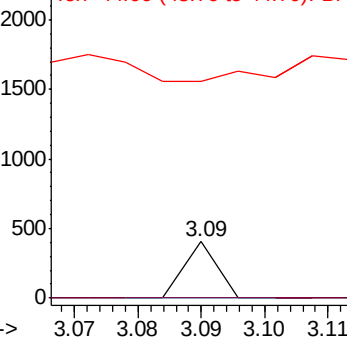
42 100

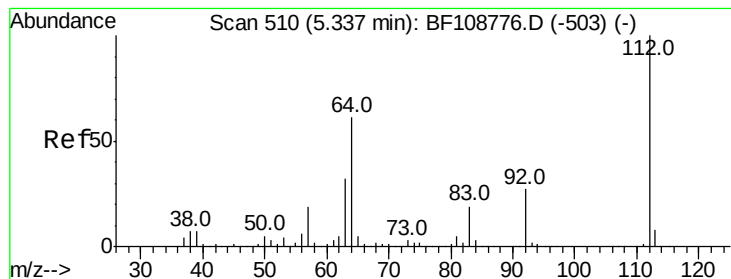
74 0.0 104.9 157.3#

44 386.8 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 16.039 ng

RT: 5.33 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

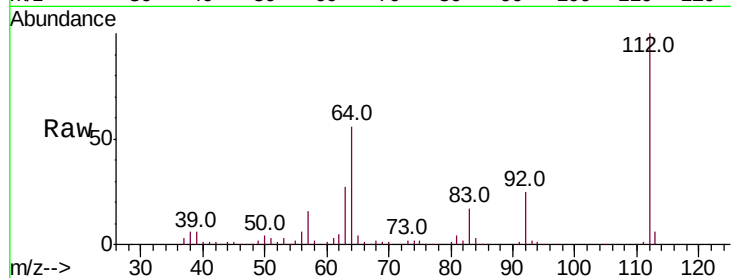
Tot Ion:112 Resp: 268752

Ion Ratio Lower Upper

112 100

64 55.9 47.9 71.9

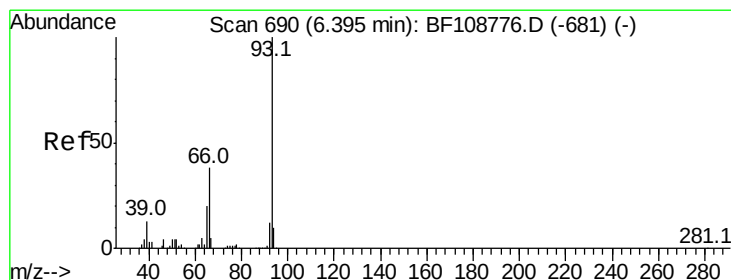
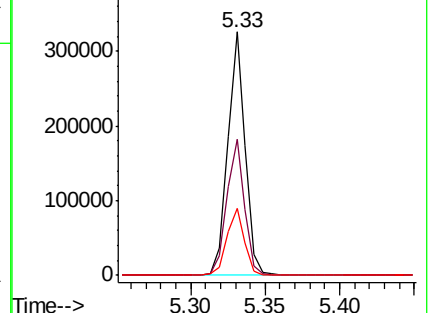
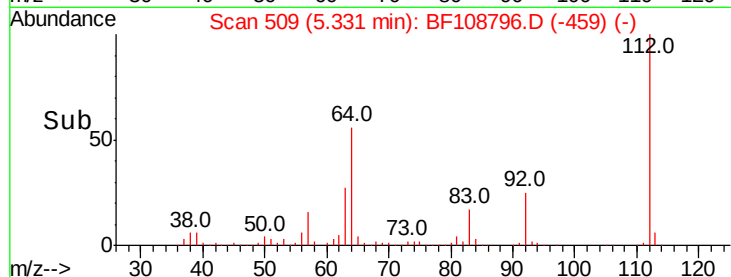
63 27.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.004 ng

RT: 6.39 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

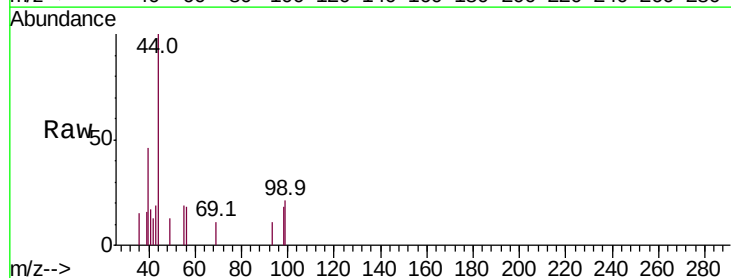
Tgt Ion: 93 Resp: 111

Ion Ratio Lower Upper

93 100

66 0.0 32.2 48.2#

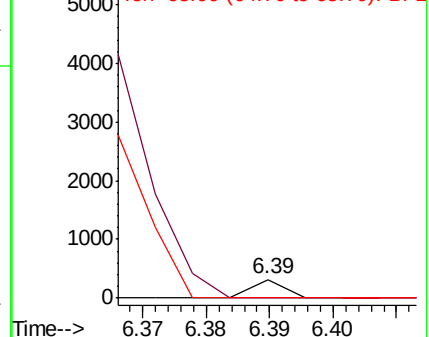
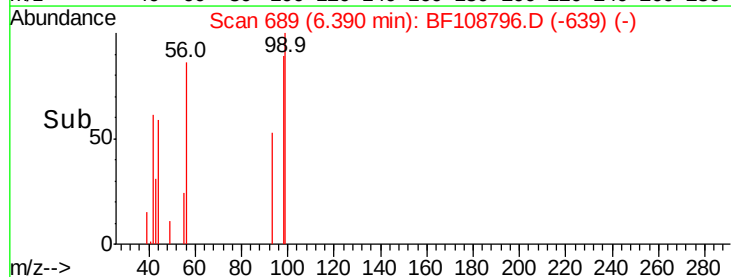
65 0.0 16.4 24.6#

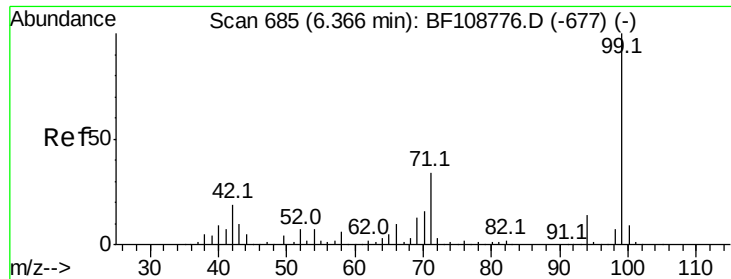


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 16.314 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampled :

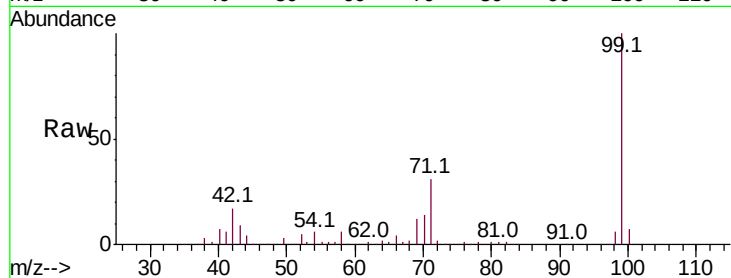
Tot Ion: 99 Resp: 351716

Ion Ratio Lower Upper

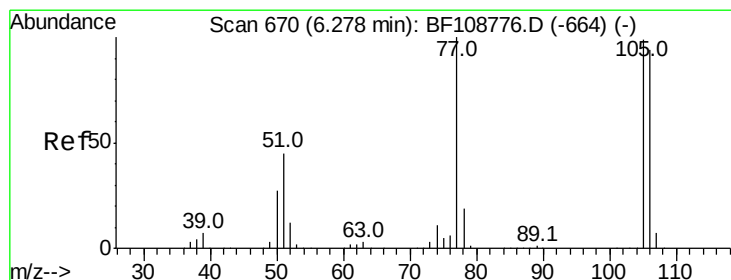
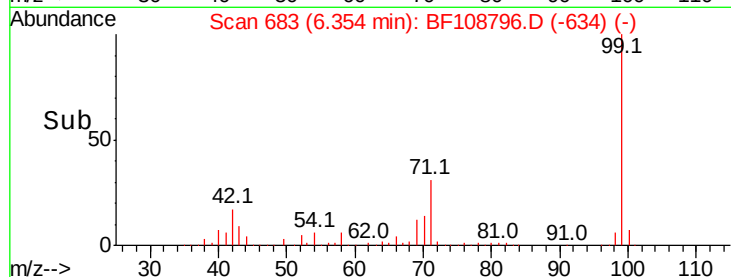
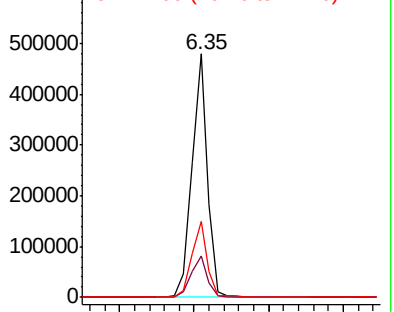
99 100

42 17.2 14.5 21.7

71 30.9 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



#9

Benzaldehyde

Concen: 0.031 ng

RT: 6.27 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

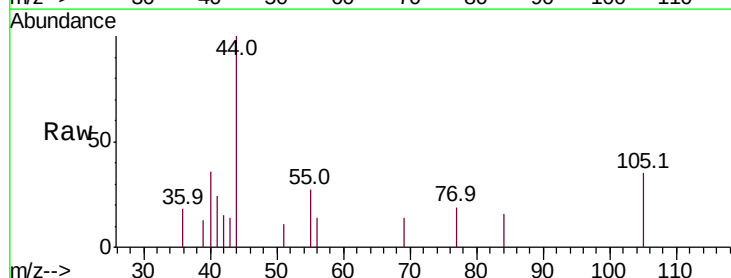
Tgt Ion: 77 Resp: 480

Ion Ratio Lower Upper

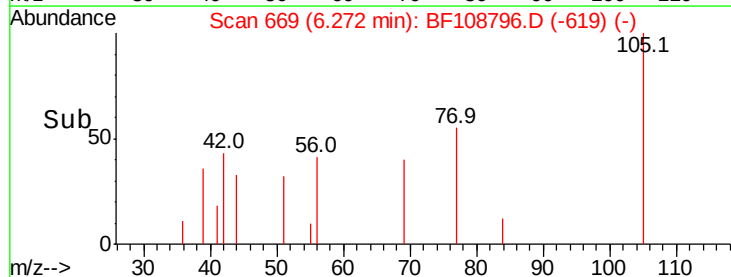
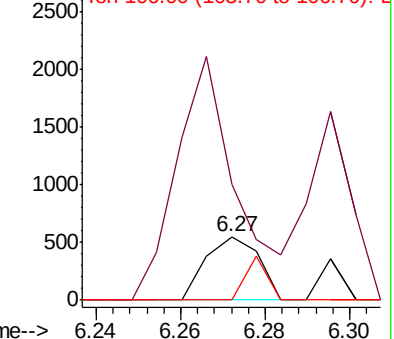
77 100

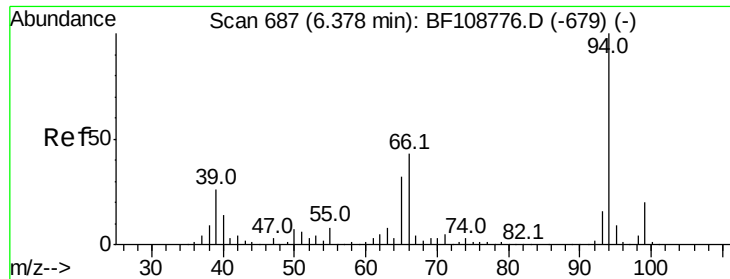
105 181.0 81.1 121.1#

106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

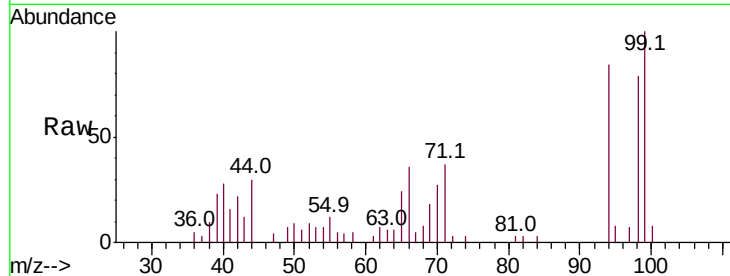




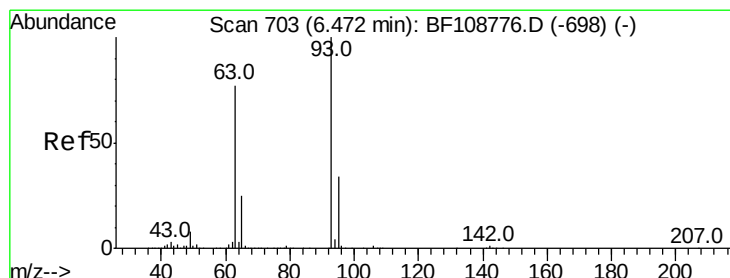
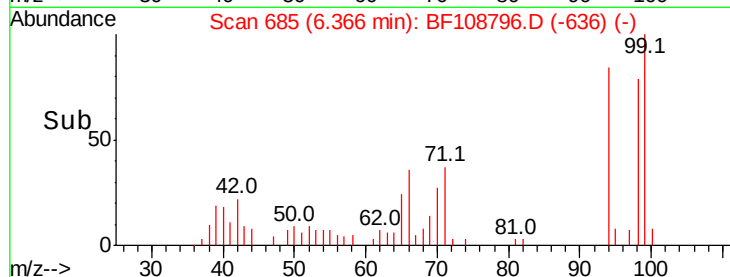
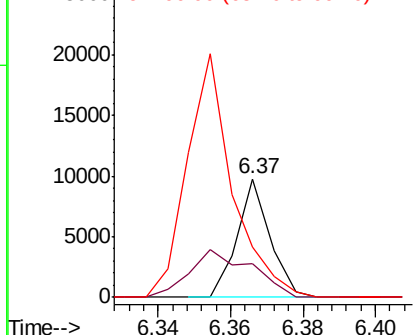
#10
Phenol
Concen: 0.250 ng
RT: 6.37 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 6164
Ion Ratio Lower Upper
94 100
65 28.5 7.9 47.9
66 42.5 16.2 56.2

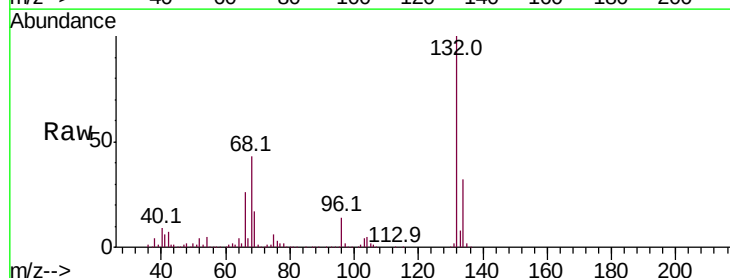


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

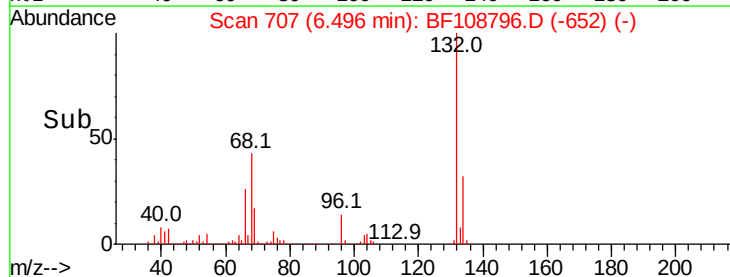
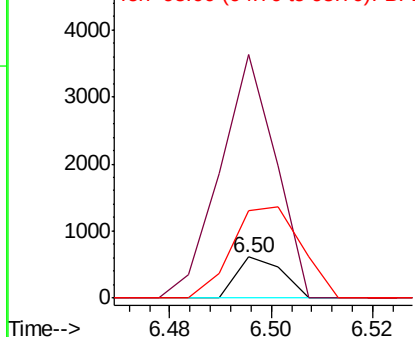


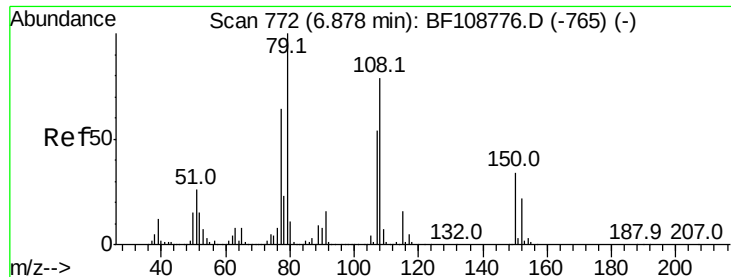
#11
bis(2-Chloroethyl)ether
Concen: 0.019 ng
RT: 6.50 min Scan# 707
Delta R.T. 0.02 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion: 93 Resp: 376
Ion Ratio Lower Upper
93 100
63 596.1 58.6 98.6#
95 213.6 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





#15

Benzyl Alcohol

Concen: 0.244 ng

RT: 6.89 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

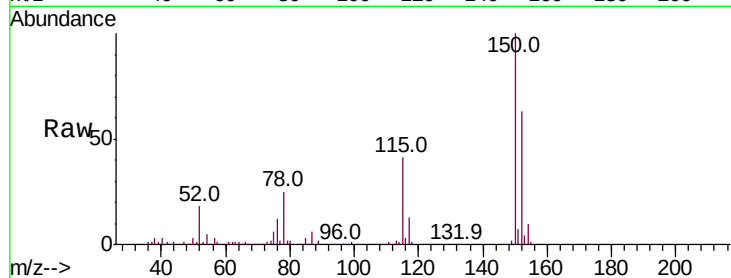
Tot Ion: 79 Resp: 4030

Ion Ratio Lower Upper

79 100

108 29.0 65.1 97.7#

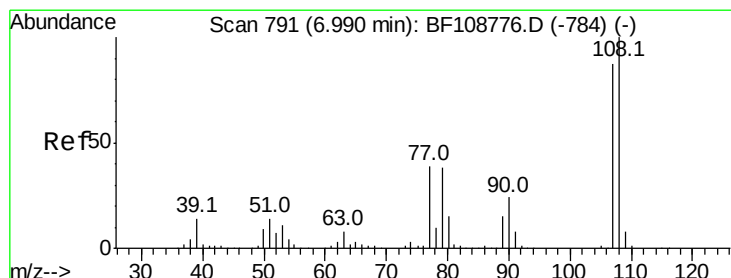
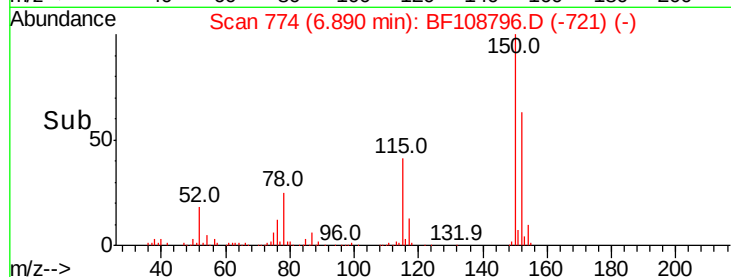
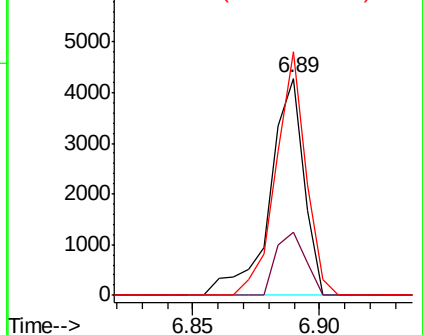
77 112.3 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 0.018 ng

RT: 7.14 min Scan# 816

Delta R.T. 0.15 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Tgt Ion: 107 Resp: 275

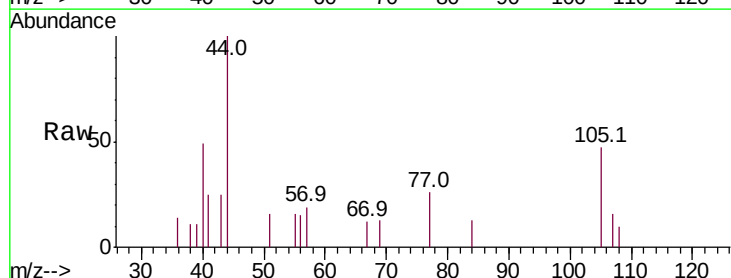
Ion Ratio Lower Upper

107 100

108 66.7 91.7 137.5#

77 164.5 33.8 50.8#

79 0.0 33.8 50.8#

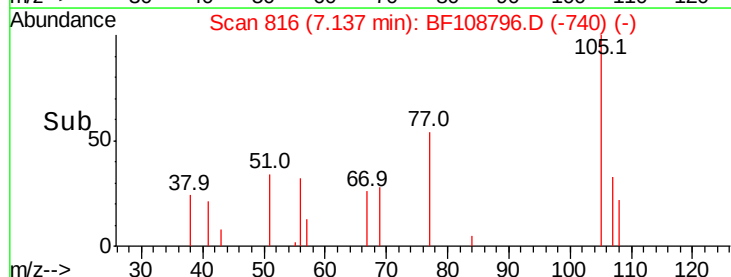
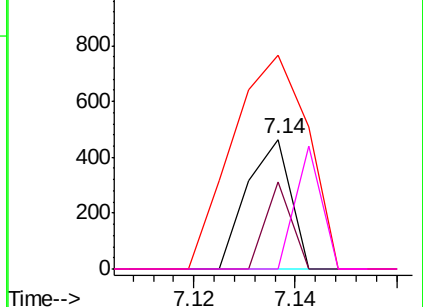


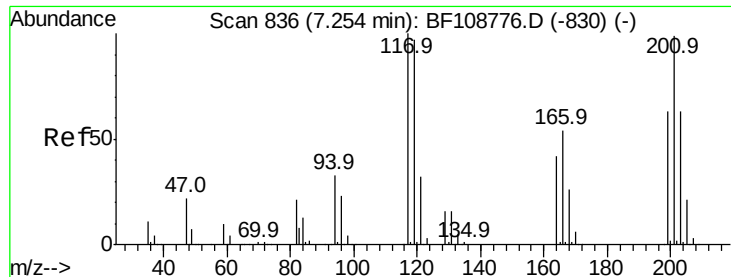
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

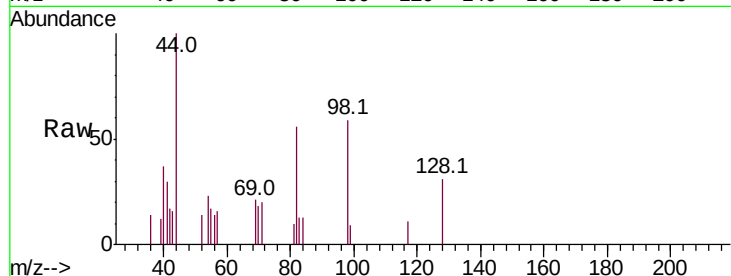




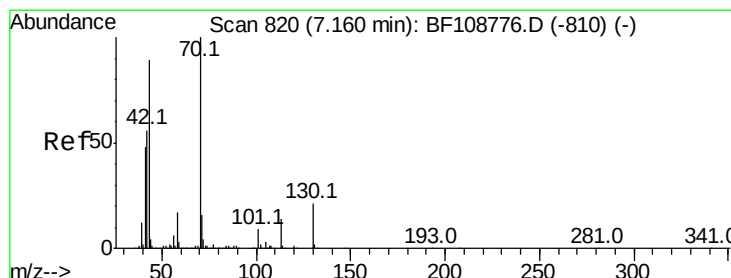
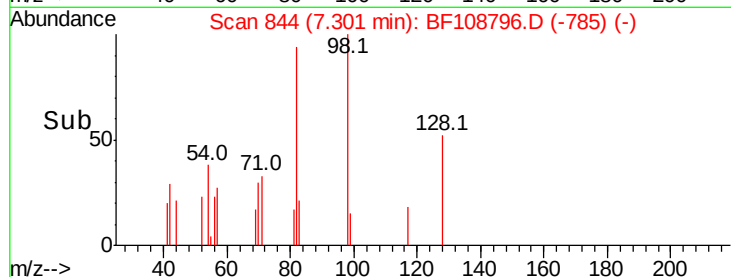
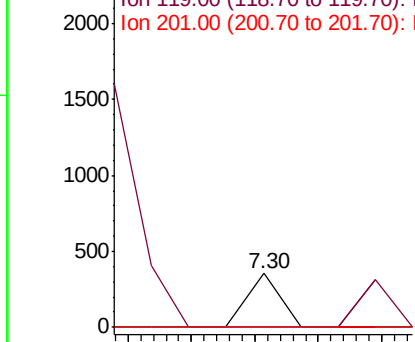
#18
Hexachloroethane
Concen: 0.016 ng
RT: 7.30 min Scan# 844
Delta R.T. 0.05 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 125
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
201 0.0 75.7 113.5#

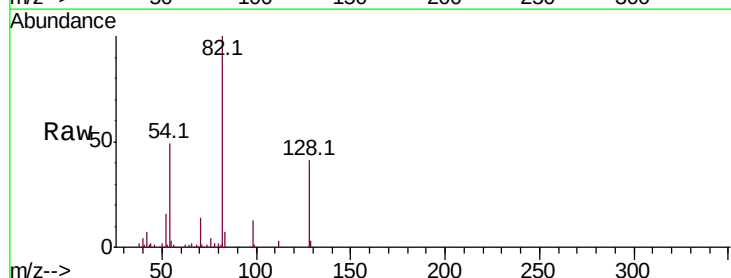


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

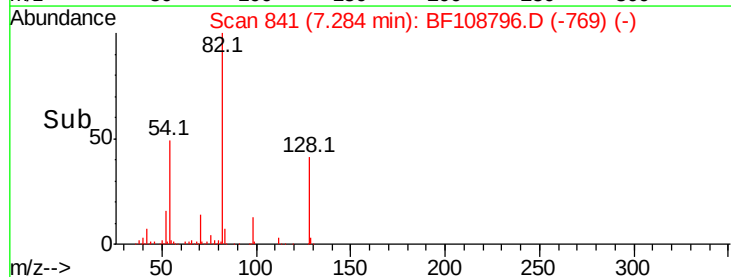
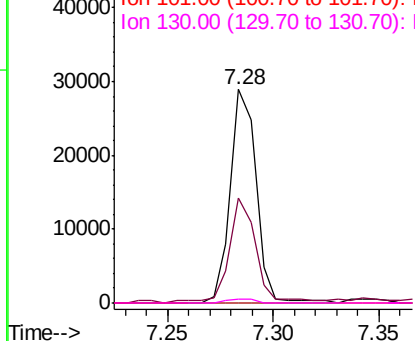


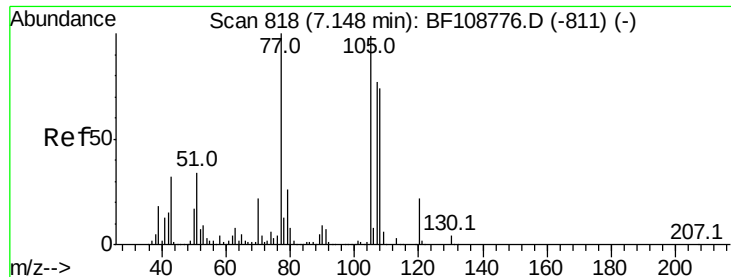
#19
n-Nitroso-di-n-propylamine
Concen: 1.639 ng
RT: 7.28 min Scan# 841
Delta R.T. 0.12 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion: 70 Resp: 24562
Ion Ratio Lower Upper
70 100
42 49.4 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 0.015 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 275

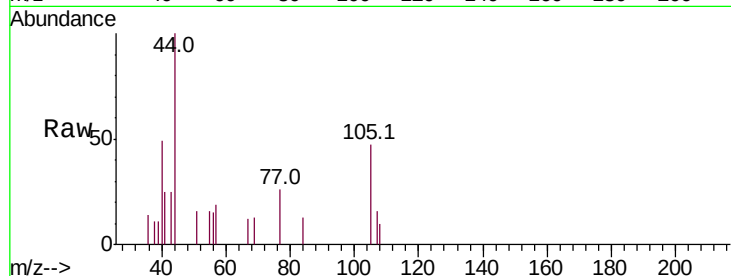
Ion Ratio Lower Upper

107 100

108 66.7 68.2 108.2#

77 164.5 26.7 66.7#

79 0.0 6.3 46.3#



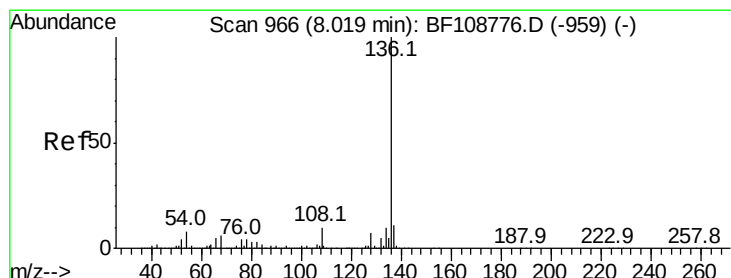
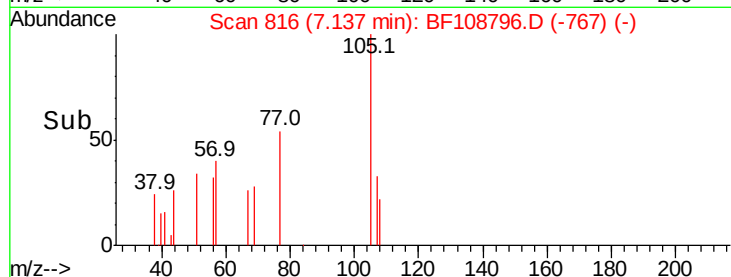
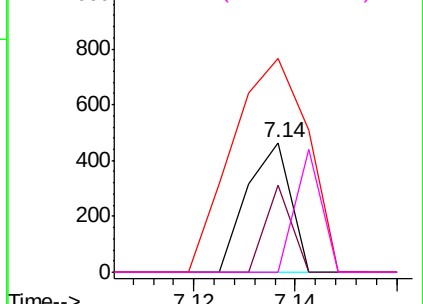
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Tgt Ion:136 Resp: 1029101

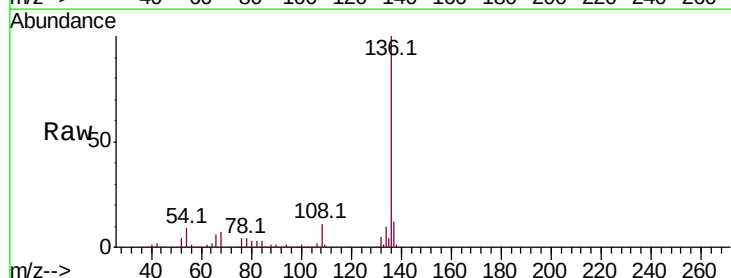
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 8.8 6.6 9.8

68 7.3 5.0 7.4



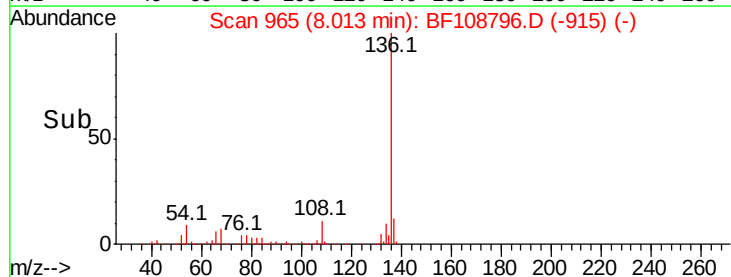
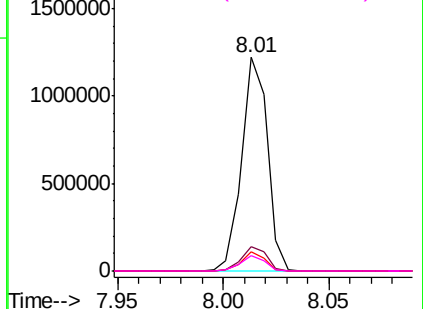
Abundance

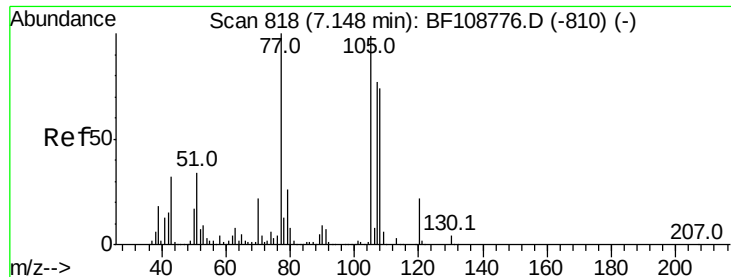
Ion 136.00 (135.70 to 136.70): E

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: 0.049 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 1144

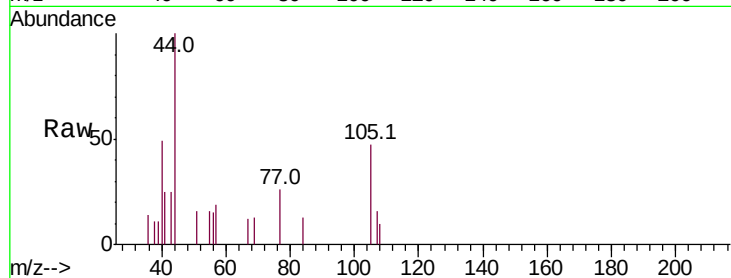
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 34.0 22.3 33.5#

120 0.0 16.9 25.3#

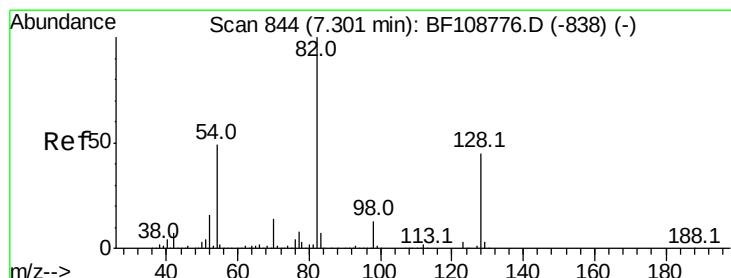
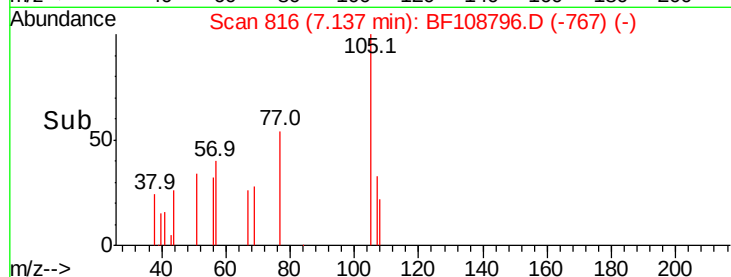
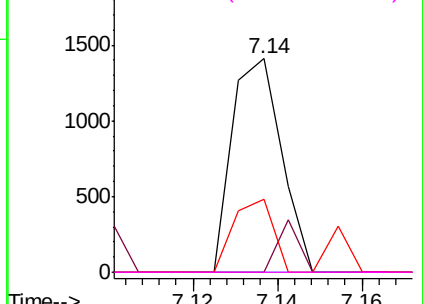


Abundance Ion 105.00 (104.70 to 105.70): E

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: 10.955 ng

RT: 7.28 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

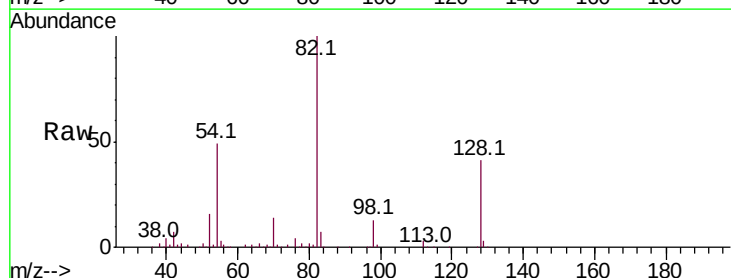
Tgt Ion: 82 Resp: 180155

Ion Ratio Lower Upper

82 100

128 40.9 36.1 54.1

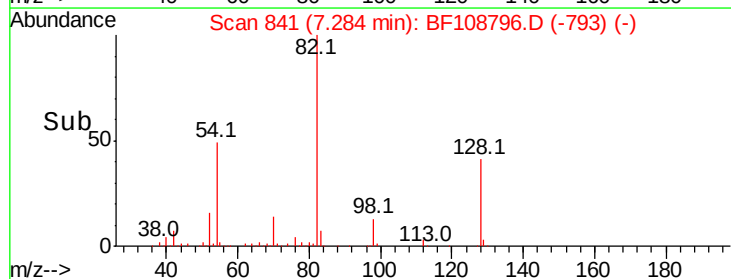
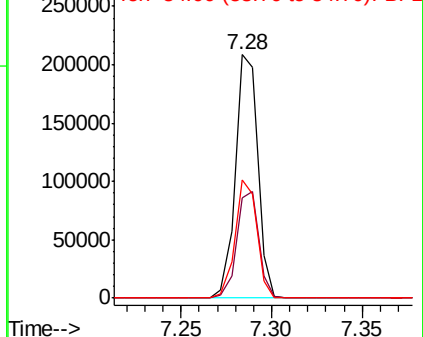
54 48.6 41.4 62.2

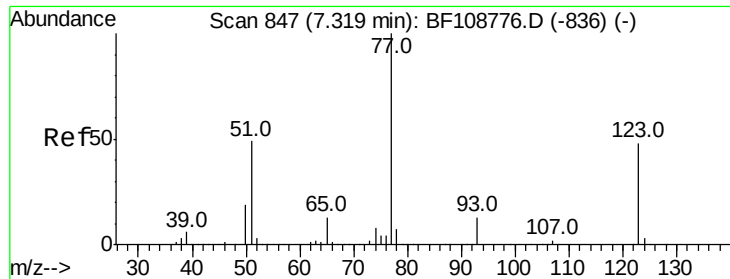


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

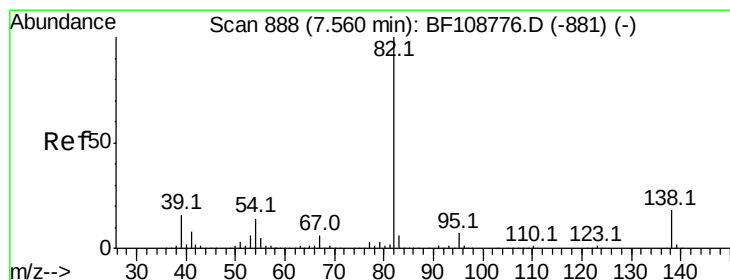
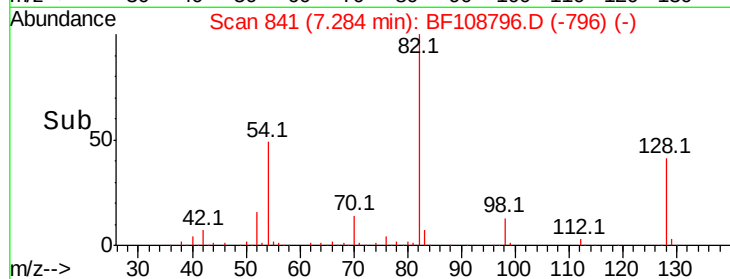
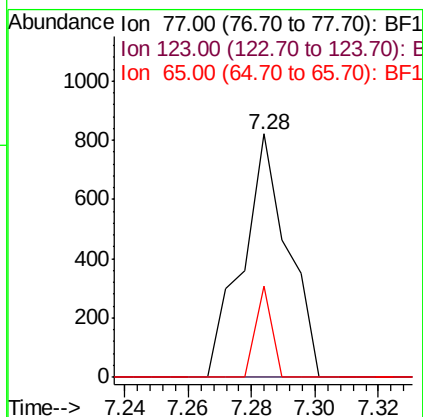
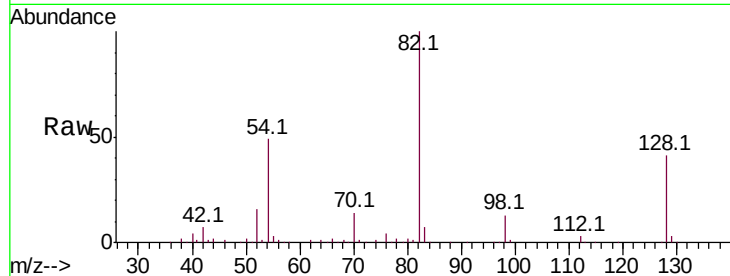




#24
 Nitrobenzene
 Concen: 0.046 ng
 RT: 7.28 min Scan# 841
 Delta R.T. -0.04 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

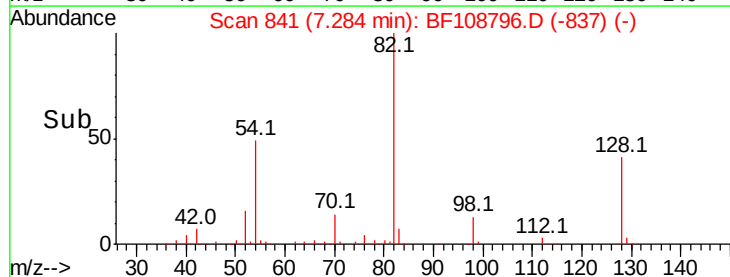
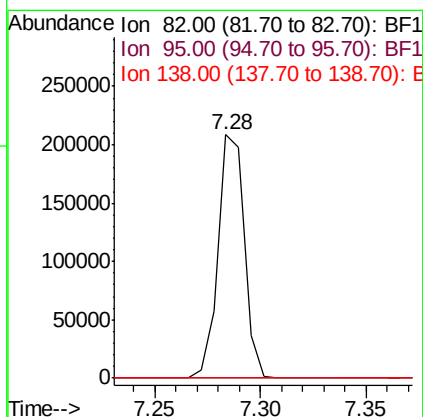
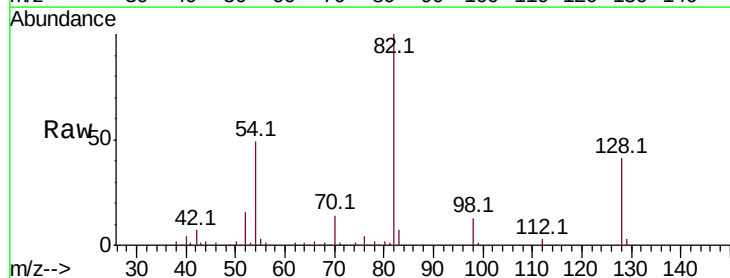
Instrument :
 BNA_F
 ClientSampleId :

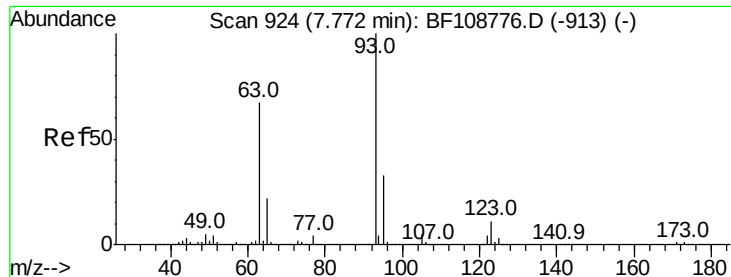
Tot Ion: 77 Resp: 813
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 37.2 11.0 16.4#



#25
 Isophorone
 Concen: 5.488 ng
 RT: 7.28 min Scan# 841
 Delta R.T. -0.28 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion: 82 Resp: 180013
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#28

bis(2-Chloroethoxy)methane

Concen: 0.045 ng

RT: 8.04 min Scan# 969

Delta R.T. 0.26 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

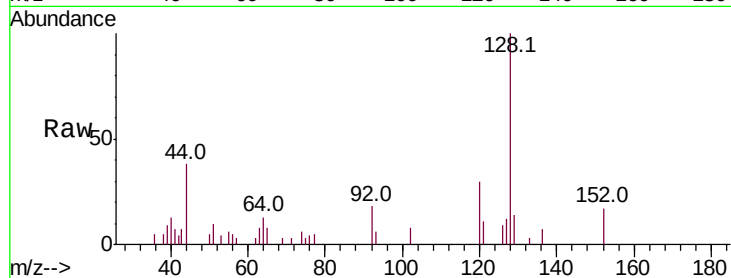
Tot Ion: 93 Resp: 983

Ion Ratio Lower Upper

93 100

95 0.0 26.3 39.5#

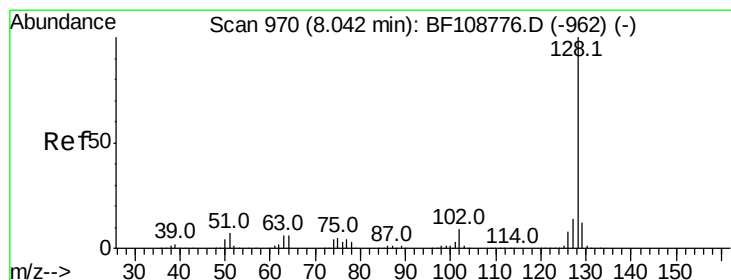
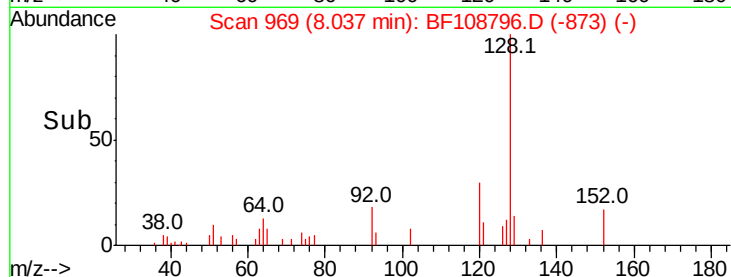
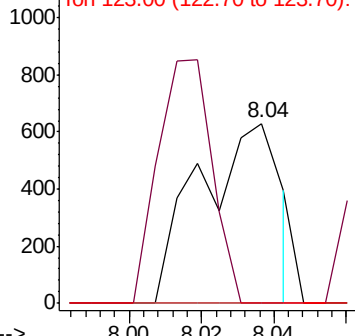
123 0.0 9.8 14.6#



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): BF1



#31

Naphthalene

Concen: 0.157 ng

RT: 8.04 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

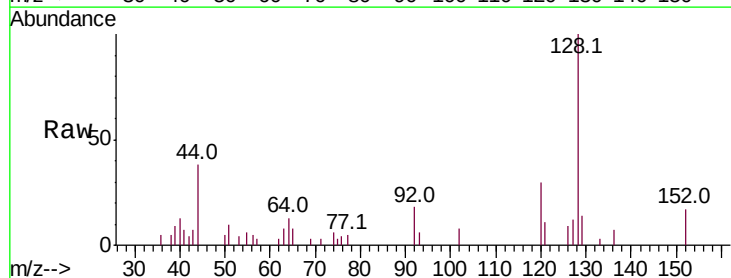
Tgt Ion: 128 Resp: 7268

Ion Ratio Lower Upper

128 100

129 14.0 8.8 13.2#

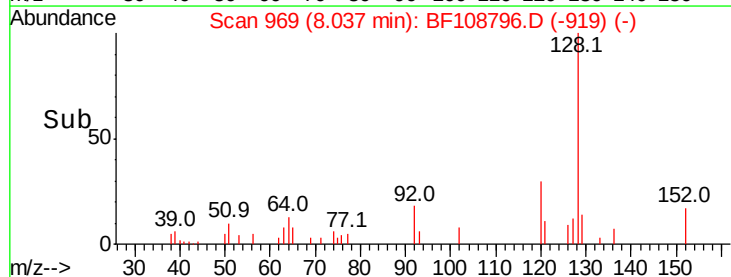
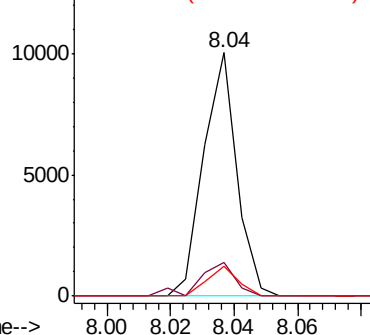
127 12.5 10.9 16.3

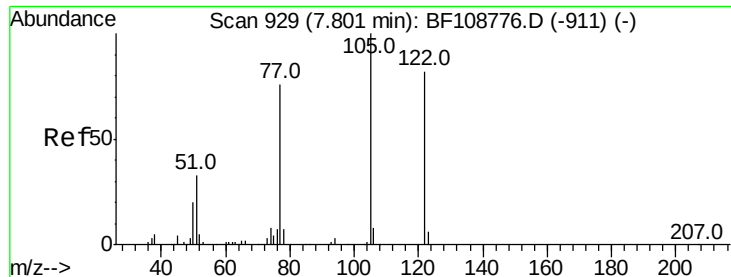


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

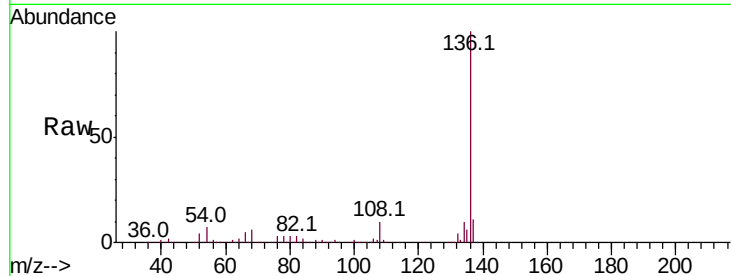




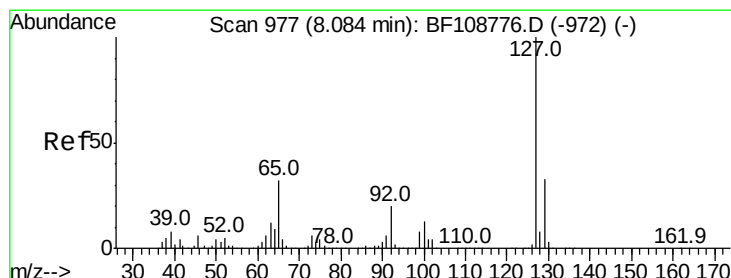
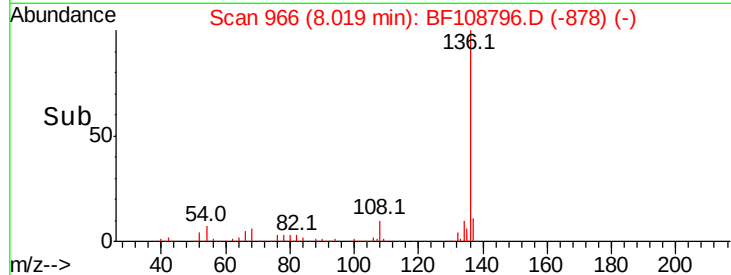
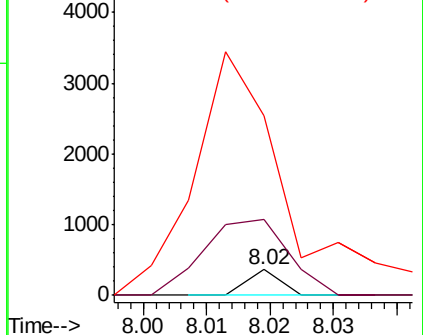
#32
Benzoic acid
Concen: 4.032 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.22 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	294.8	101.1	141.1#
77	691.0	70.7	110.7#

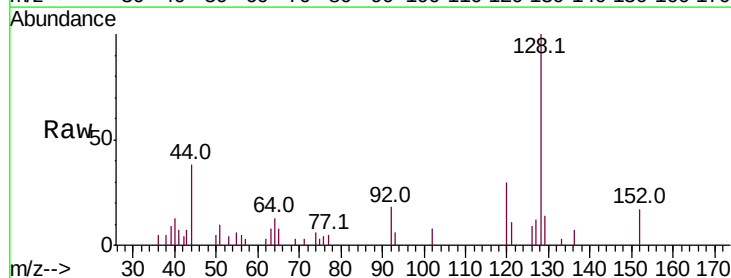


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

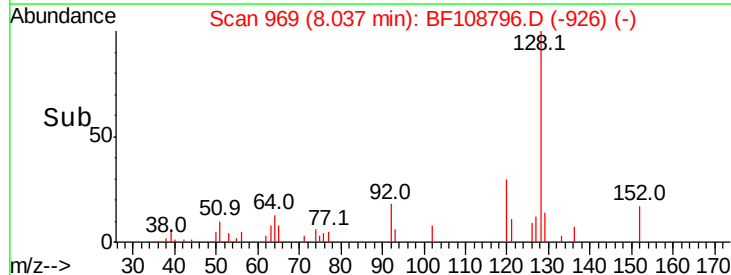
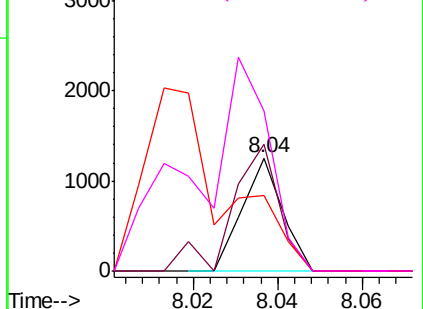


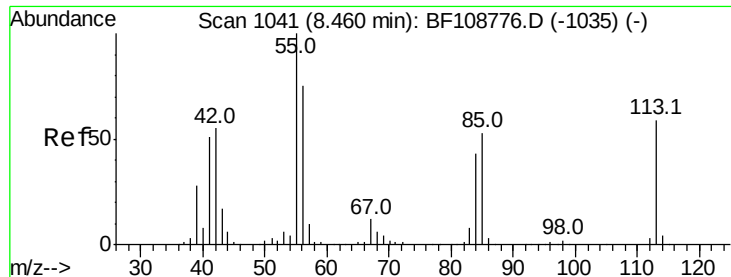
#33
4-Chloroaniline
Concen: 0.039 ng
RT: 8.04 min Scan# 969
Delta R.T. -0.05 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
127	100		
129	111.7	25.9	38.9#
65	66.4	25.0	37.4#
92	141.8	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

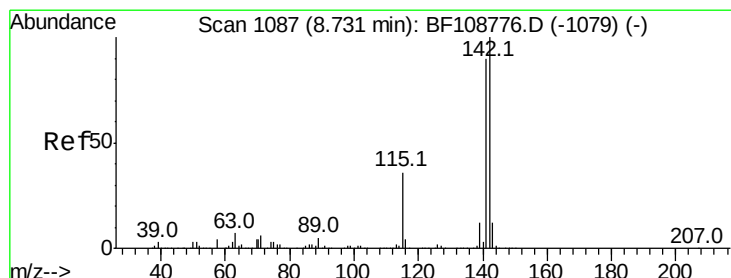
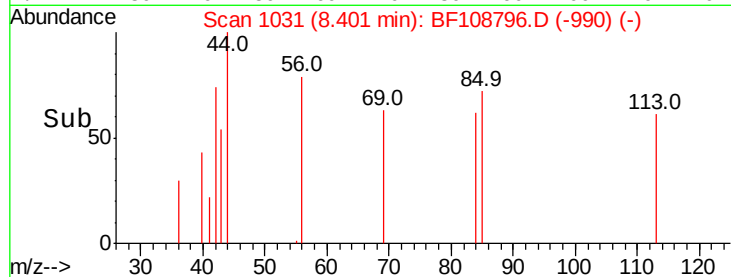
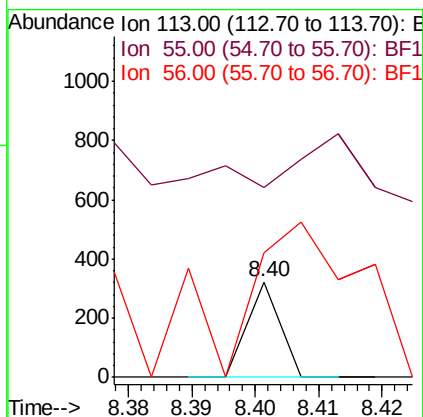
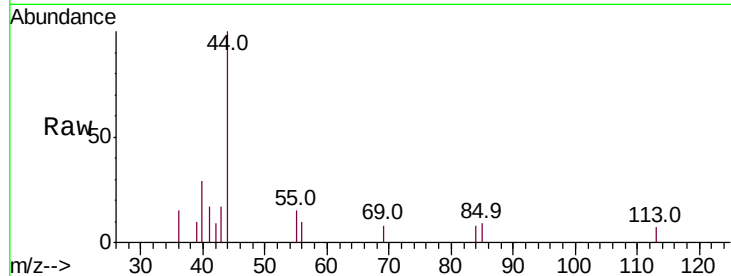




#35
 Caprolactam
 Concen: 0.023 ng
 RT: 8.40 min Scan# 1031
 Delta R.T. -0.06 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

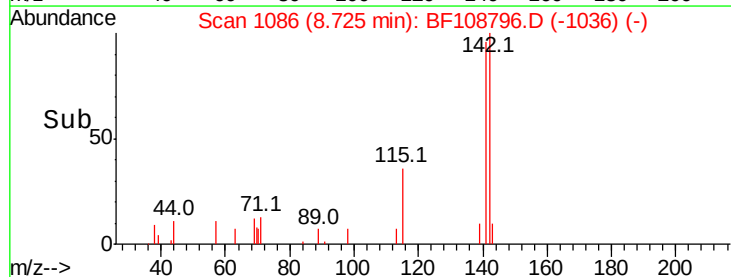
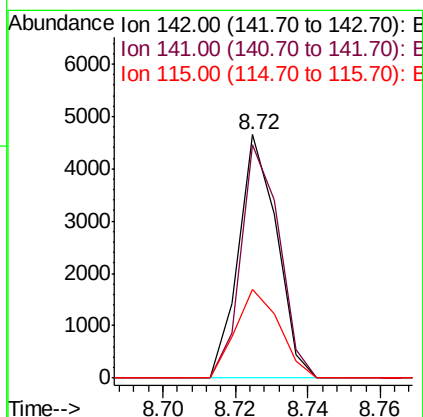
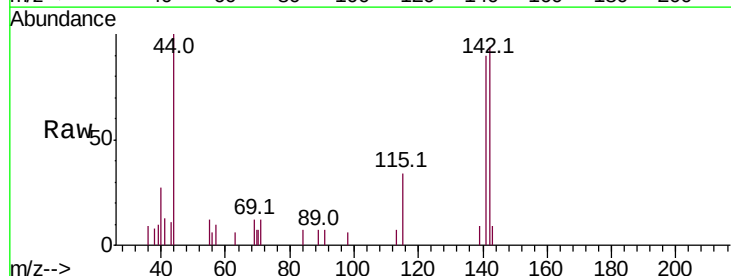
Instrument :
 BNA_F
 ClientSampled :

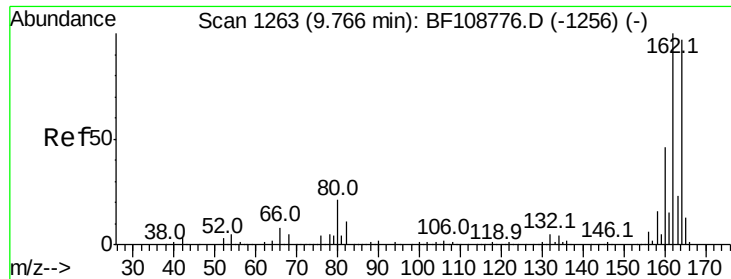
Tot Ion:113 Resp: 114
 Ion Ratio Lower Upper
 113 100
 55 199.1 163.3 203.3
 56 130.7 115.7 155.7



#37
 2-Methylnaphthalene
 Concen: 0.111 ng
 RT: 8.72 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion:142 Resp: 3410
 Ion Ratio Lower Upper
 142 100
 141 95.6 70.8 106.2
 115 36.4 26.1 39.1

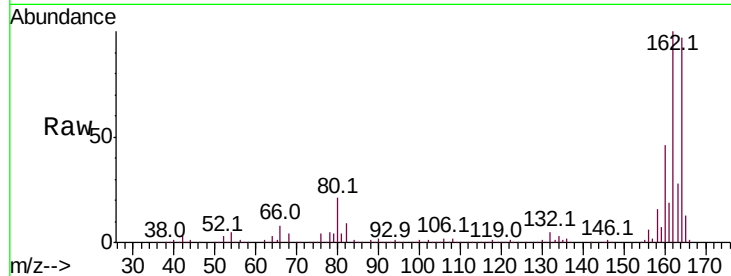




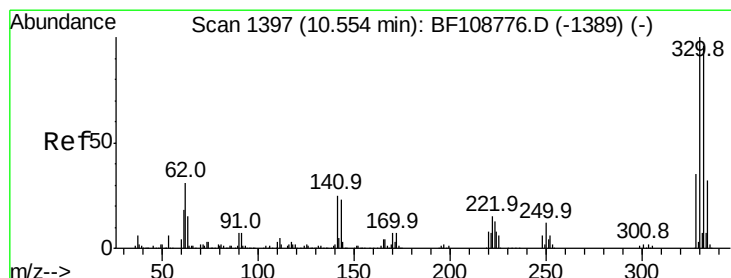
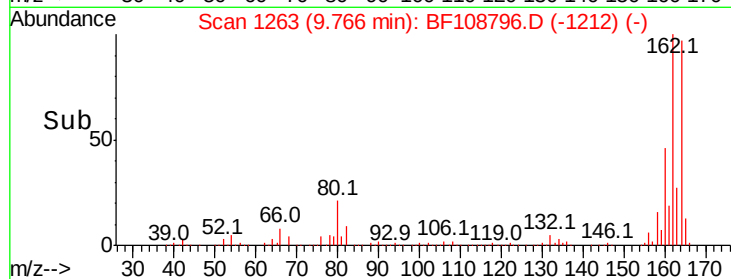
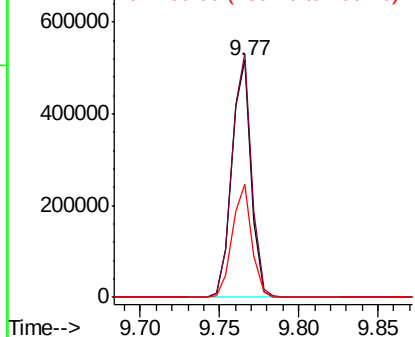
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 434071
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 47.6 38.3 57.5

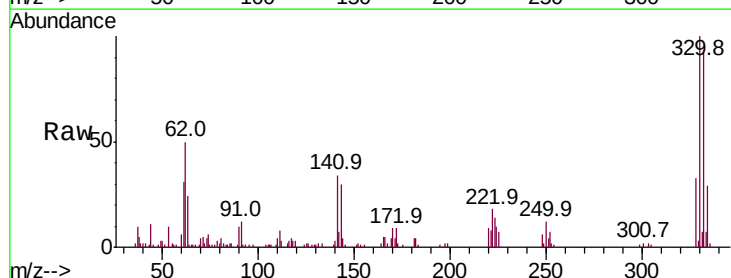


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

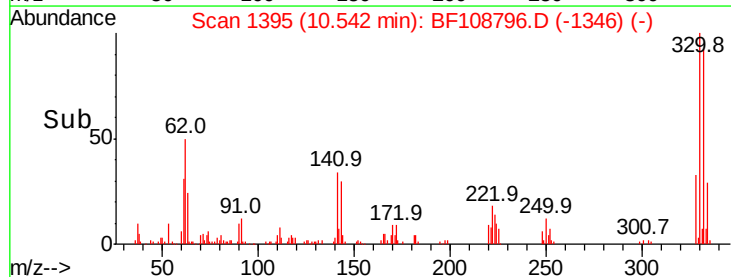
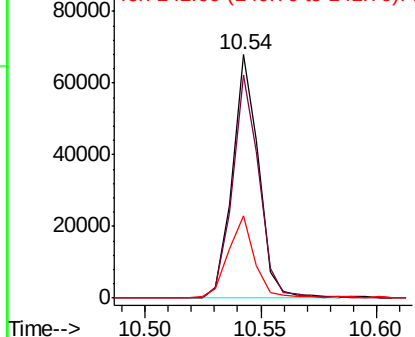


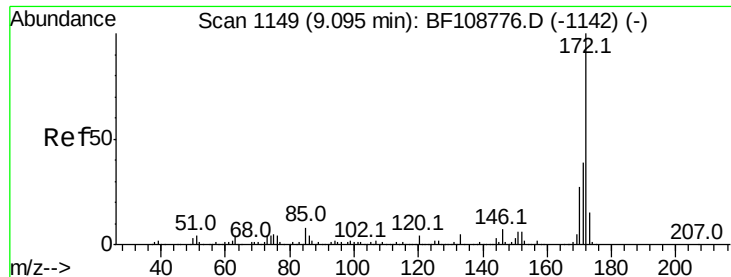
#41
2,4,6-Tribromophenol
Concen: 12.972 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion:330 Resp: 53755
Ion Ratio Lower Upper
330 100
332 93.4 77.0 115.6
141 33.9 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

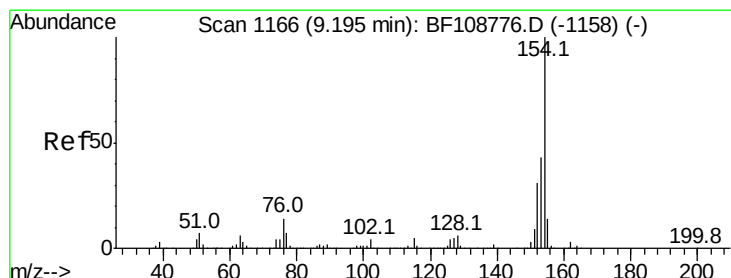
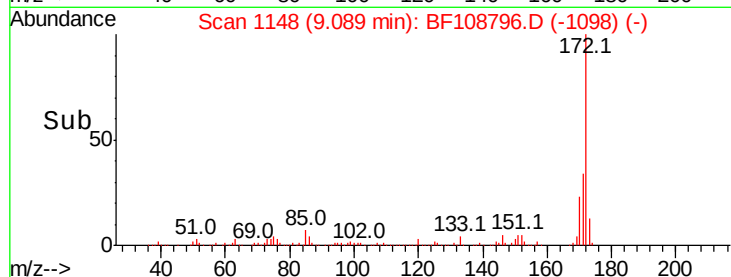
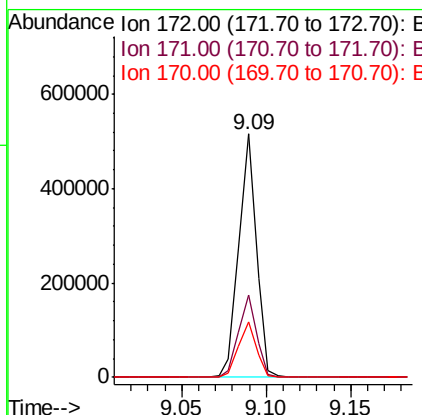
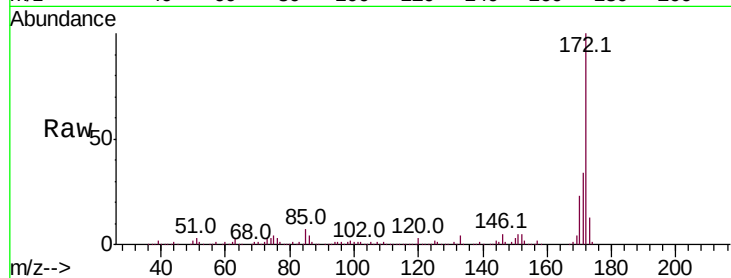




#44
2-Fluorobiphenyl
Concen: 14.754 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

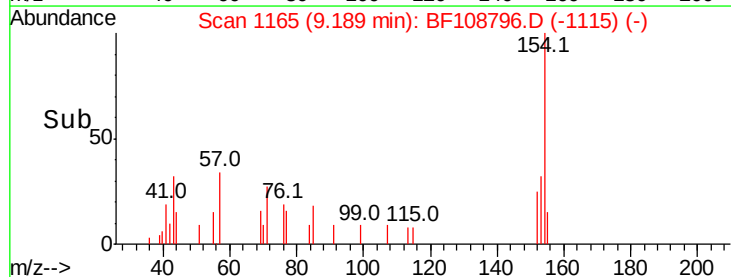
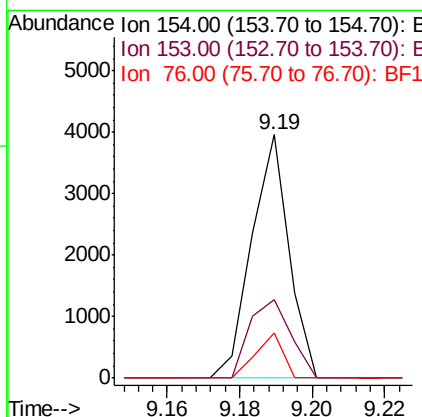
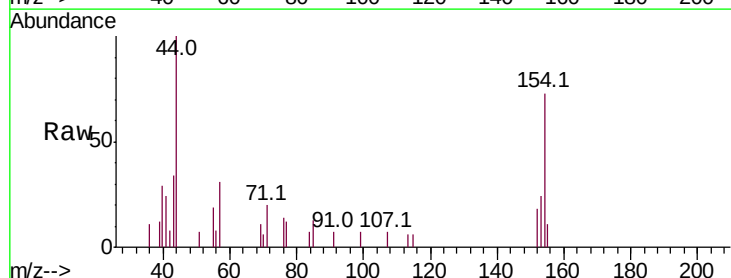
Instrument :
BNA_F
ClientSampleId :

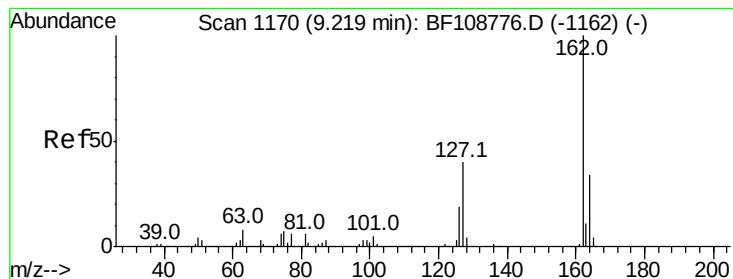
Tot Ion:172 Resp: 375399
Ion Ratio Lower Upper
172 100
171 33.9 29.7 44.5
170 22.7 19.6 29.4



#45
1,1'-Biphenyl
Concen: 0.085 ng
RT: 9.19 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion:154 Resp: 2848
Ion Ratio Lower Upper
154 100
153 32.5 21.3 61.3
76 18.6 0.0 34.0

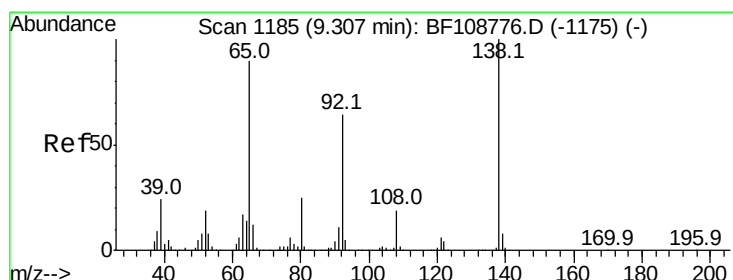
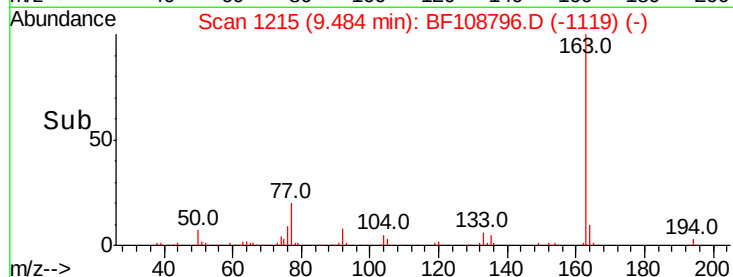
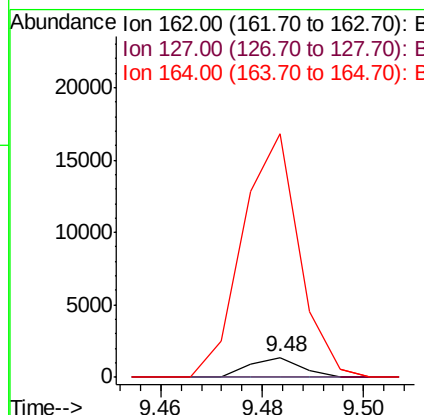
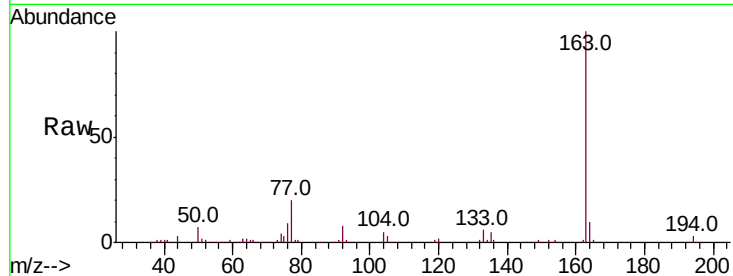




#46
 2-Chloronaphthalene
 Concen: 0.036 ng
 RT: 9.48 min Scan# 1215
 Delta R.T. 0.26 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

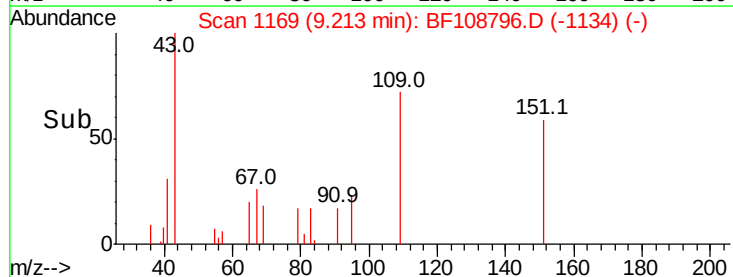
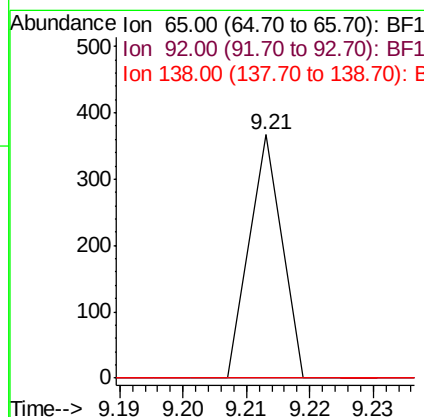
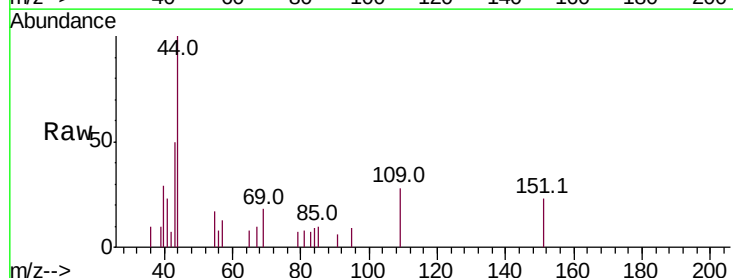
Instrument :
 BNA_F
 ClientSampleId :

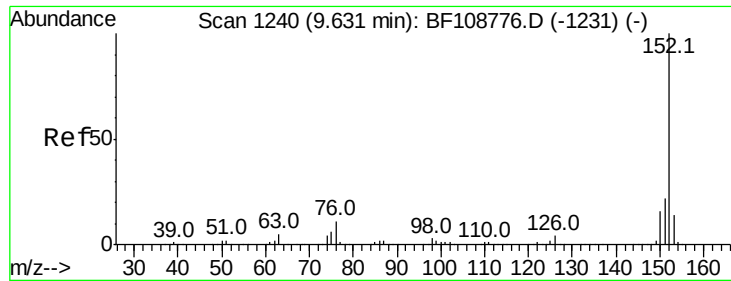
Tot Ion:162 Resp: 983
 Ion Ratio Lower Upper
 162 100
 127 0.0 33.9 50.9#
 164 1211.8 26.5 39.7#



#47
 2-Nitroaniline
 Concen: 0.018 ng
 RT: 9.21 min Scan# 1169
 Delta R.T. -0.09 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion: 65 Resp: 130
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#





#48

Acenaphthylene

Concen: 0.473 ng

RT: 9.62 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

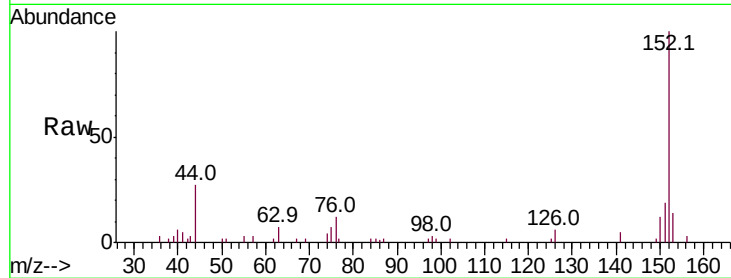
Tot Ion:152 Resp: 19060

Ion Ratio Lower Upper

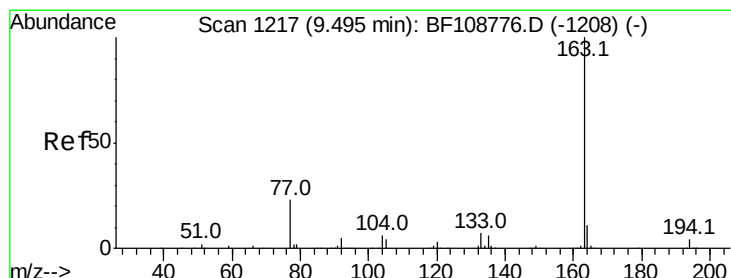
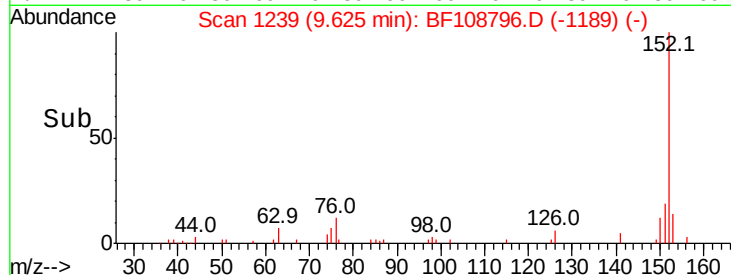
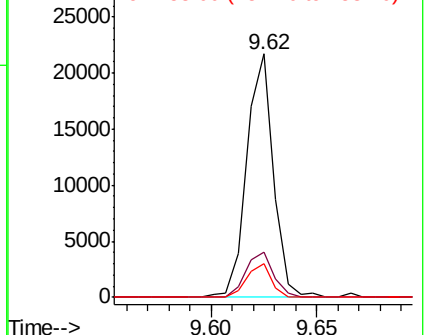
152 100

151 18.7 16.3 24.5

153 13.8 10.7 16.1



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



#49

Dimethylphthalate

Concen: 4.264 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

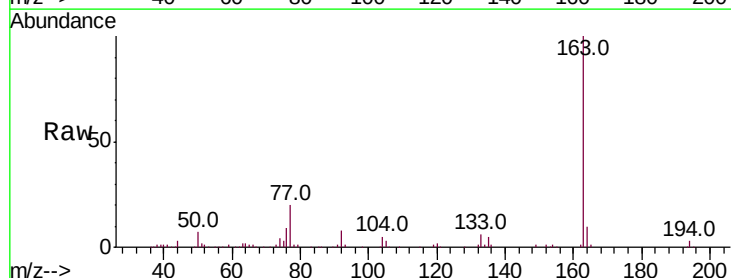
Tgt Ion:163 Resp: 129460

Ion Ratio Lower Upper

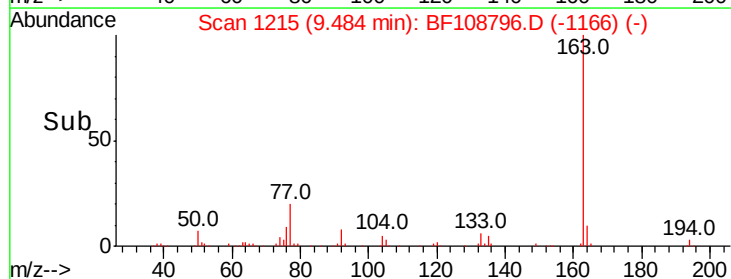
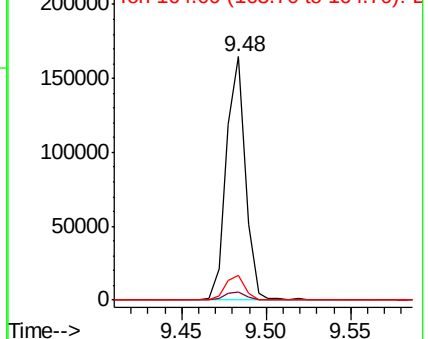
163 100

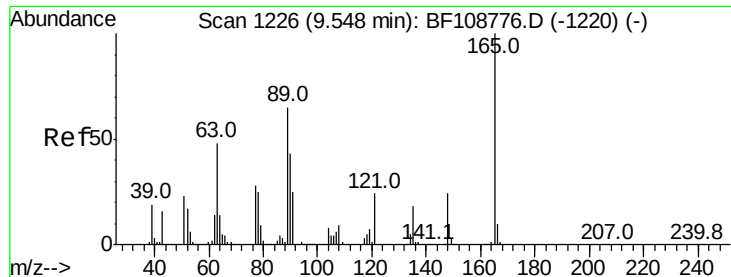
194 3.5 2.7 4.1

164 10.2 8.2 12.2



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

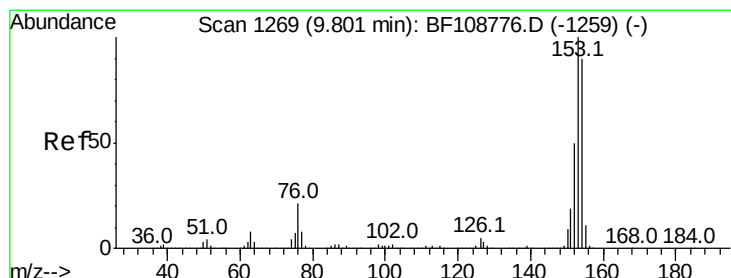
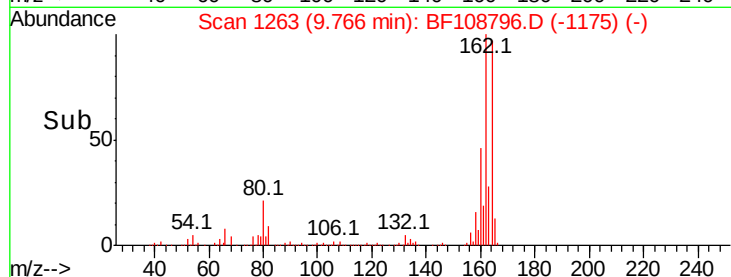
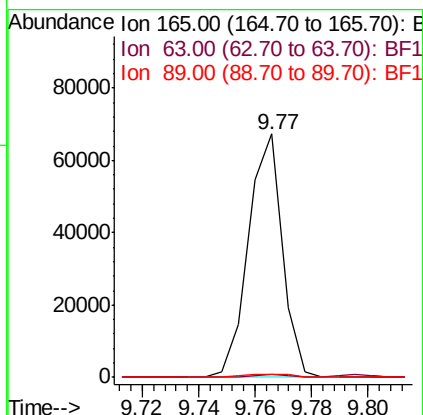
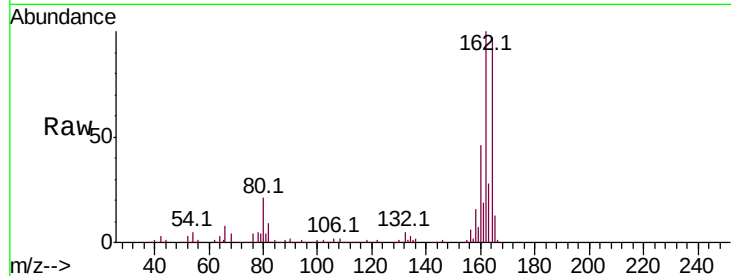




#50
 2,6-Dinitrotoluene
 Concen: 9.673 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.22 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

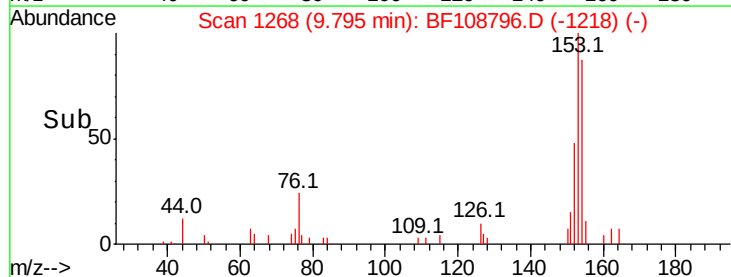
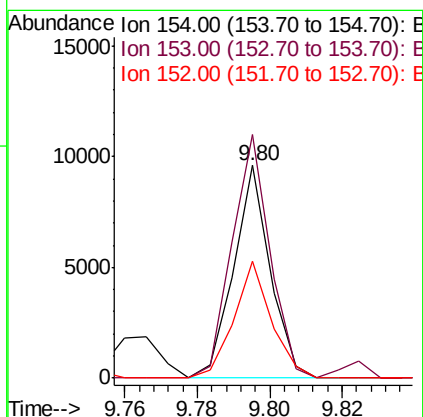
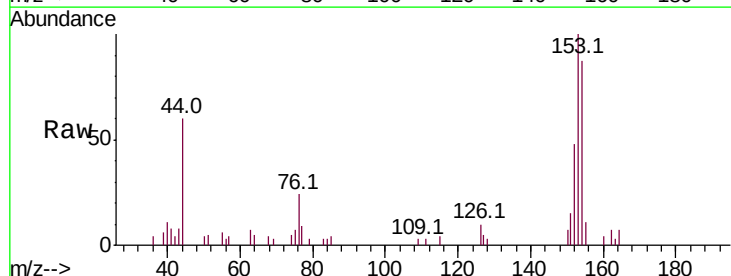
Instrument :
 BNA_F
 ClientSampleId :

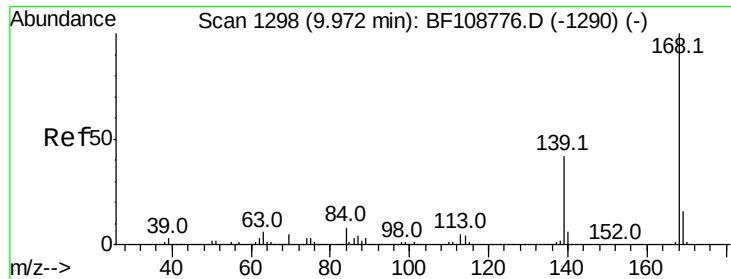
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.4	44.0	66.0#



#51
 Acenaphthene
 Concen: 0.271 ng
 RT: 9.80 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.2	136.8
152	54.8	43.8	65.8

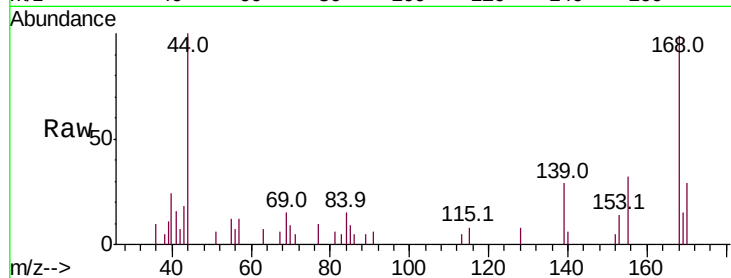




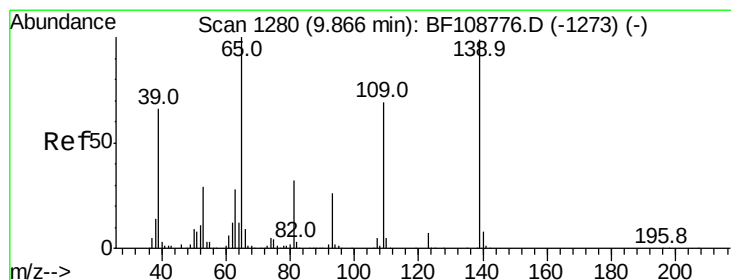
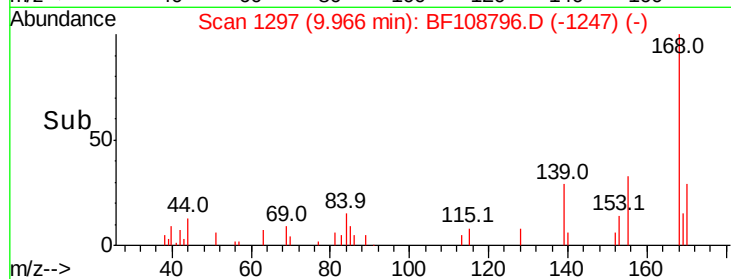
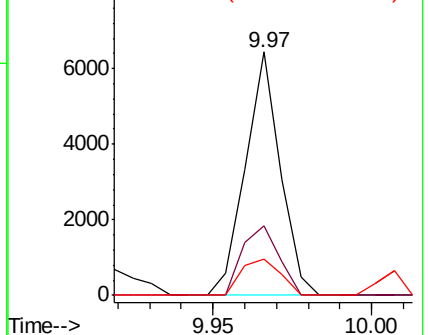
#54
Dibenzofuran
Concen: 0.135 ng
RT: 9.97 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 4904
Ion Ratio Lower Upper
168 100
139 28.8 30.1 45.1#
169 15.1 10.9 16.3

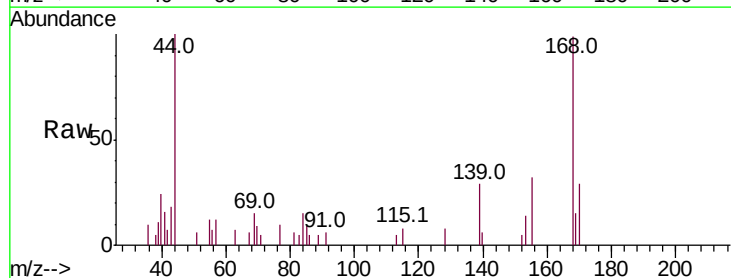


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

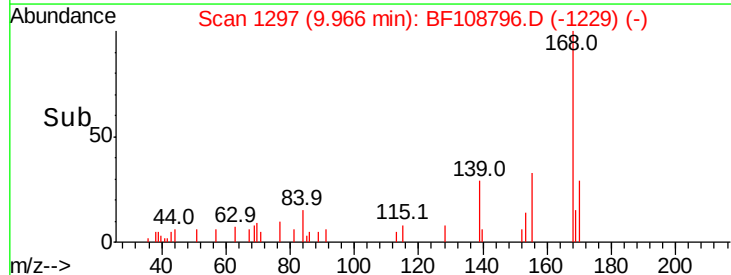
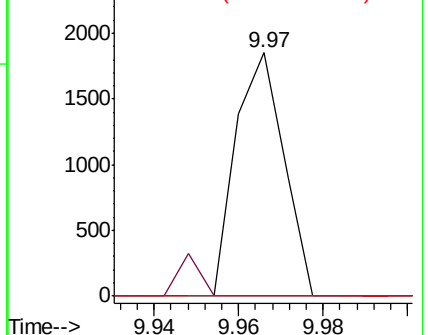


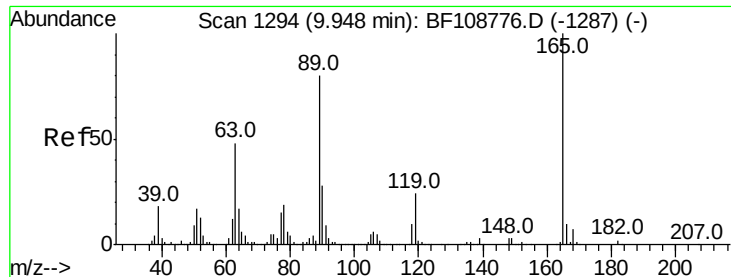
#55
4-Nitrophenol
Concen: 0.284 ng
RT: 9.97 min Scan# 1297
Delta R.T. 0.10 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion:139 Resp: 1463
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



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

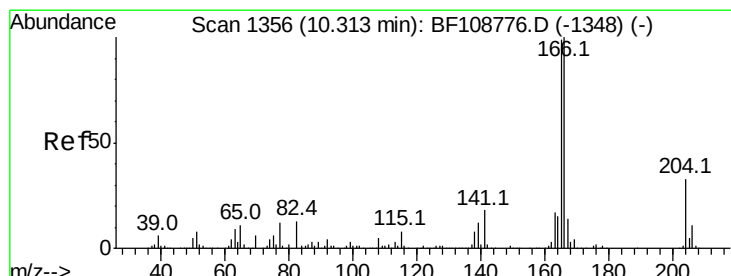
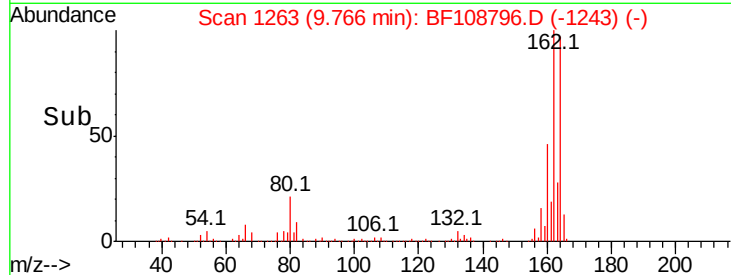
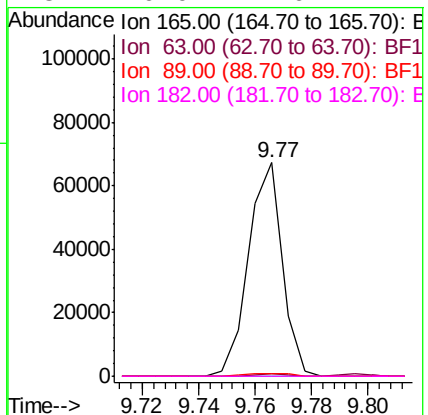
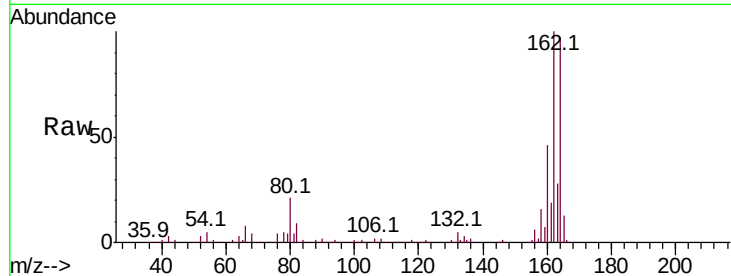




#56
 2,4-Dinitrotoluene
 Concen: 7.564 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

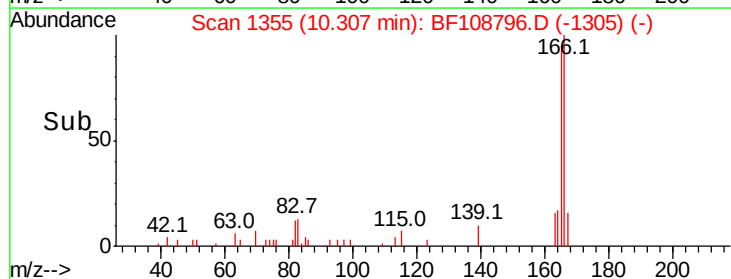
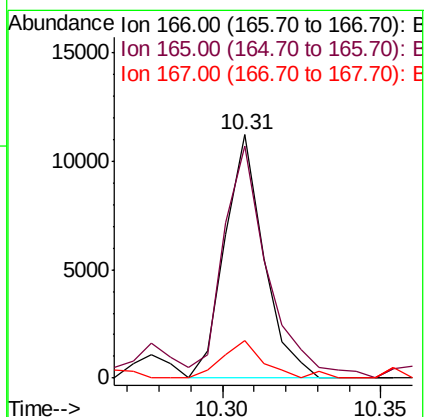
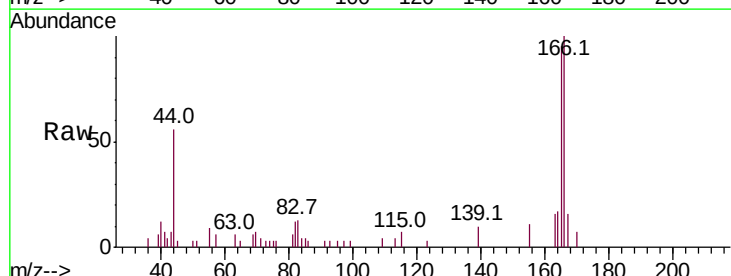
Instrument :
 BNA_F
 ClientSampled :

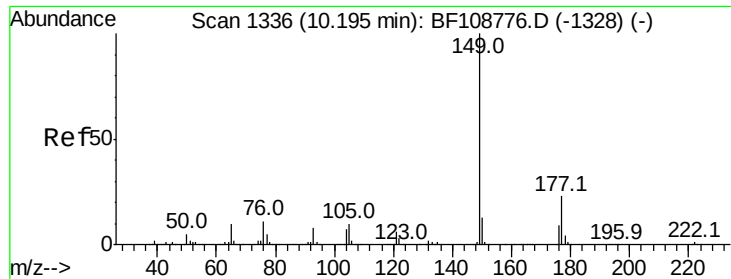
Tot Ion:	165	Resp:	55958
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 0.408 ng
 RT: 10.31 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion:	166	Resp:	9518
Ion	Ratio	Lower	Upper
166	100		
165	95.2	79.8	119.8
167	15.5	10.6	16.0

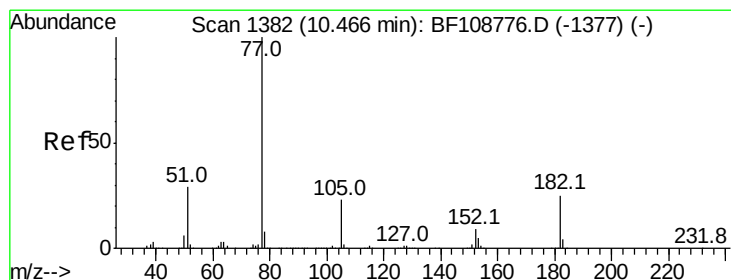
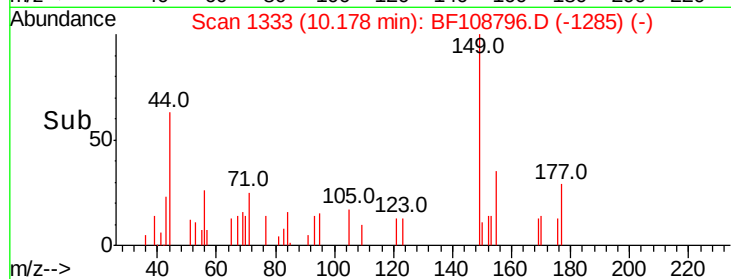
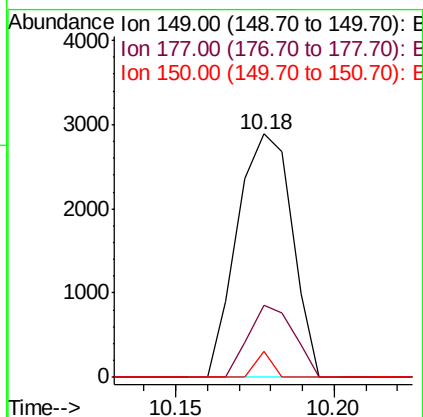
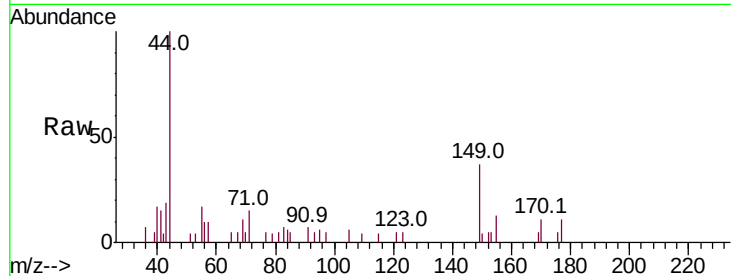




#59
Diethylphthalate
Concen: 0.111 ng
RT: 10.18 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

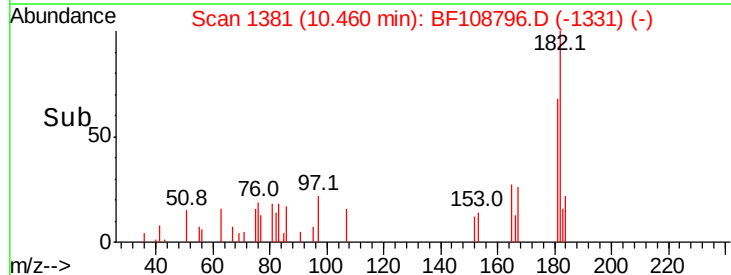
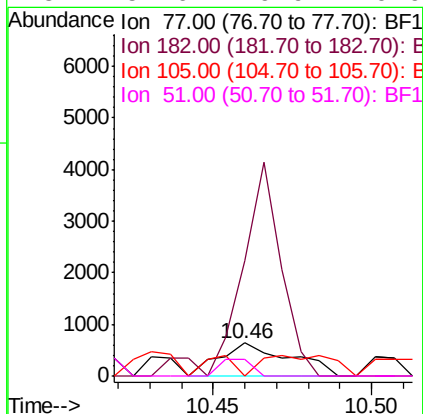
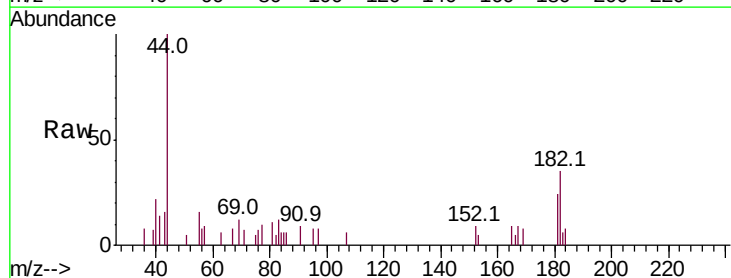
Instrument :
BNA_F
ClientSampleId :

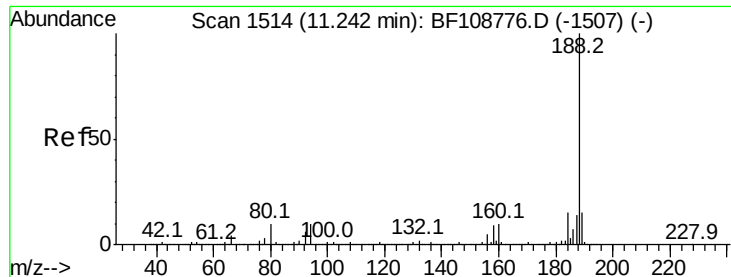
Tot Ion:149 Resp: 3466
Ion Ratio Lower Upper
149 100
177 29.4 16.1 24.1#
150 10.8 10.1 15.1



#62
Azobenzene
Concen: 0.030 ng
RT: 10.46 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion: 77 Resp: 986
Ion Ratio Lower Upper
77 100
182 351.2 1.7 41.7#
105 0.0 3.0 43.0#
51 51.6 9.9 49.9#

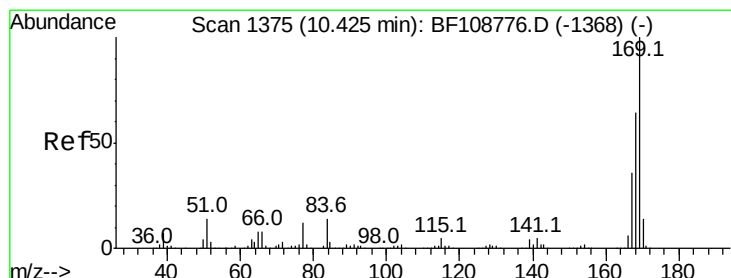
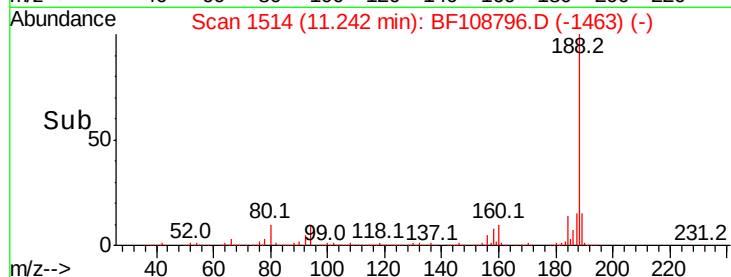
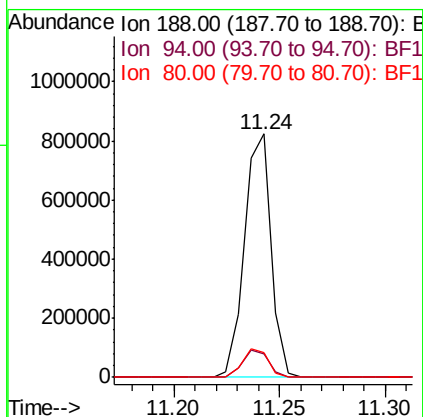
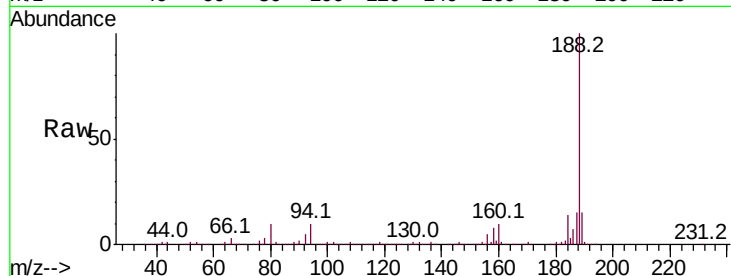




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

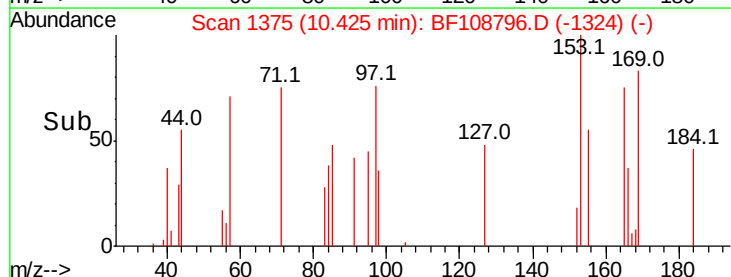
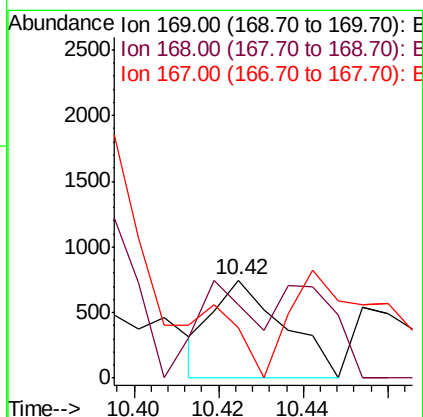
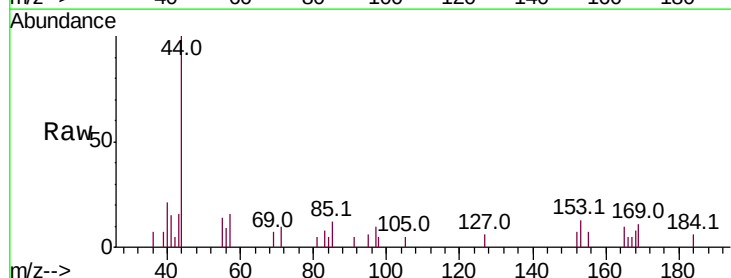
Instrument :
BNA_F
ClientSampled :

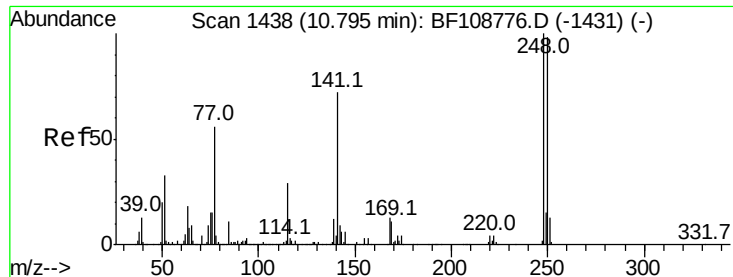
Tot Ion:188 Resp: 717040
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8



#65
n-Nitrosodiphenylamine
Concen: 0.036 ng
RT: 10.42 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion:169 Resp: 867
Ion Ratio Lower Upper
169 100
168 75.0 54.4 81.6
167 51.4 29.8 44.6#

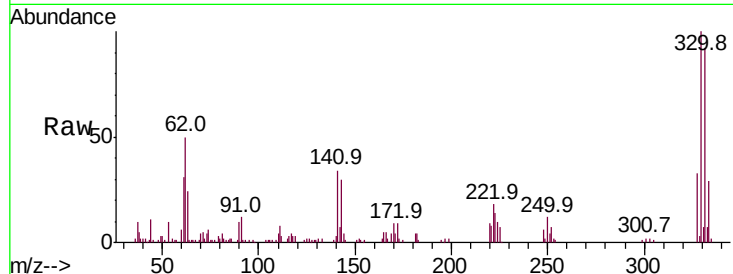




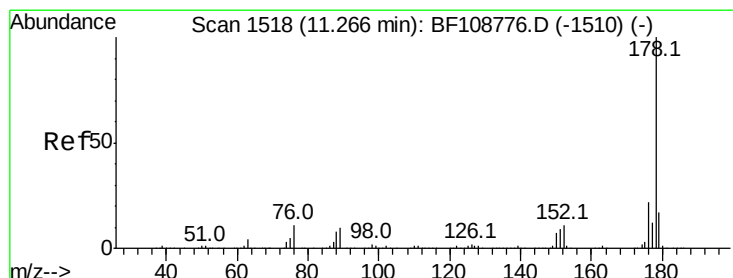
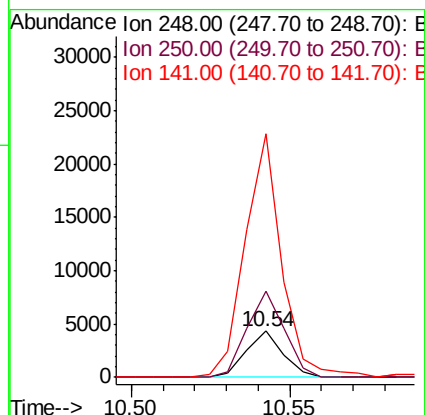
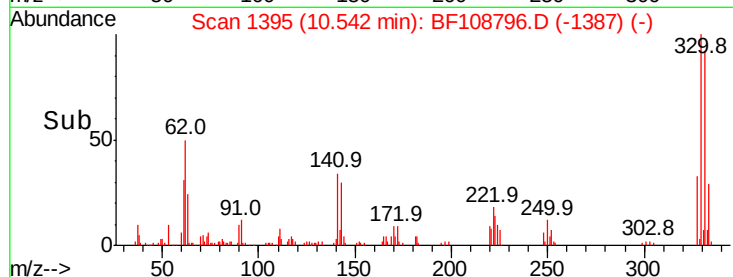
#66
4-Bromophenyl-phenylether
Concen: 0.430 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.25 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3479
Ion Ratio Lower Upper
248 100
250 187.9 76.9 115.3#
141 527.5 74.4 111.6#

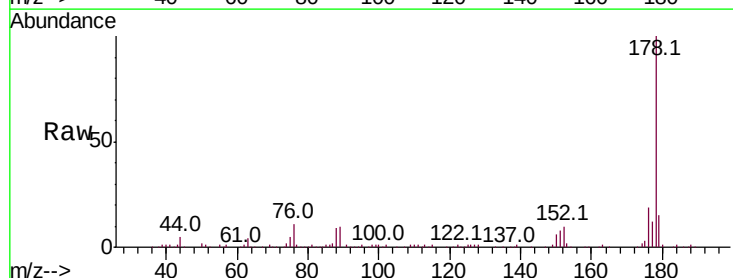


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

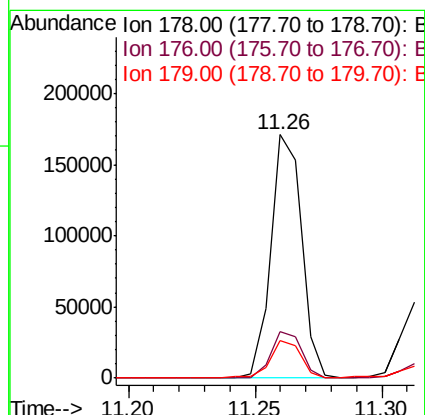
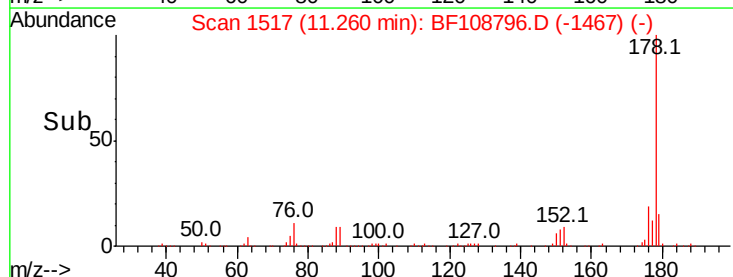


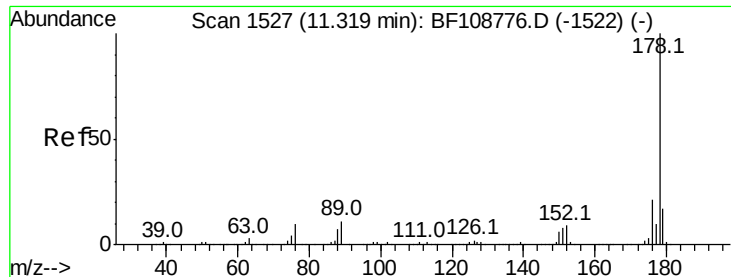
#70
Phenanthrene
Concen: 4.208 ng
RT: 11.26 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion:178 Resp: 144086
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.2 13.0 19.6



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

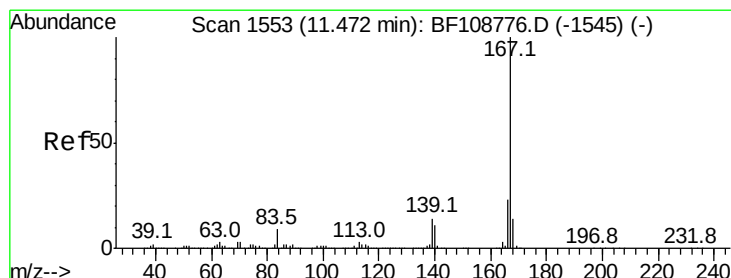
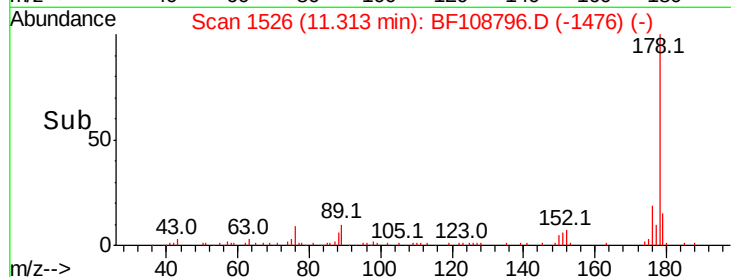
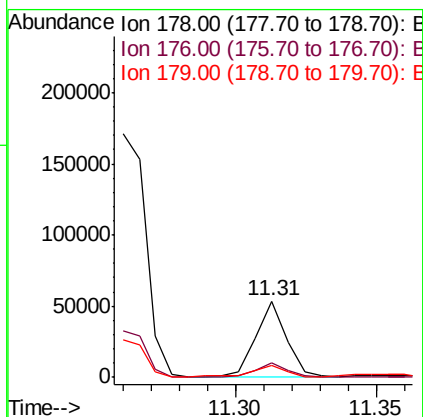
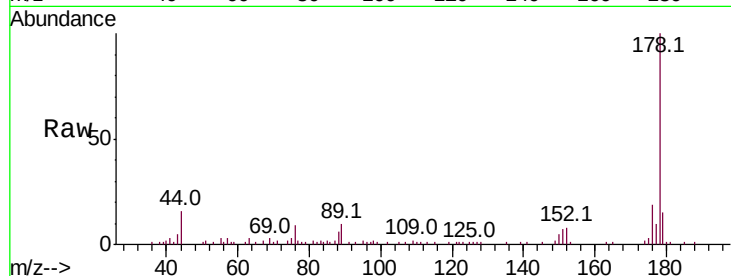




#71
 Anthracene
 Concen: 1.199 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

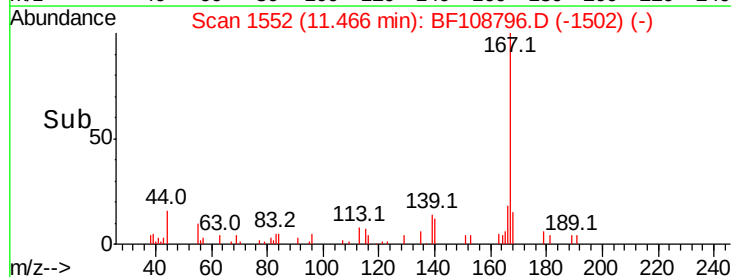
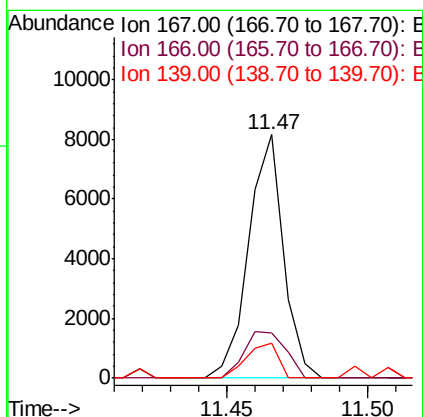
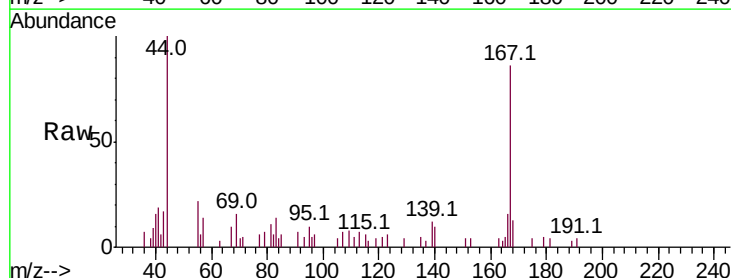
Instrument :
 BNA_F
 ClientSampleId :

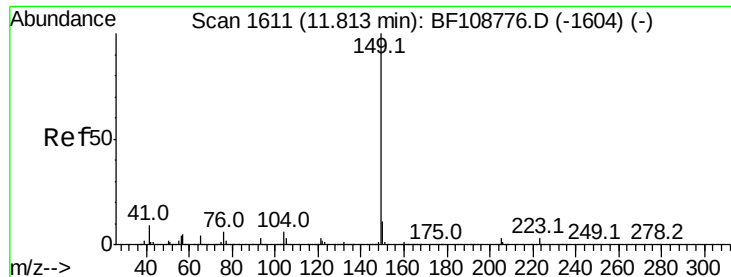
Tot Ion:178 Resp: 39295
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 0.201 ng
 RT: 11.47 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion:167 Resp: 6952
 Ion Ratio Lower Upper
 167 100
 166 18.4 17.6 26.4
 139 14.3 10.9 16.3





#73

Di-n-butylphthalate

Concen: 0.660 ng

RT: 11.81 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

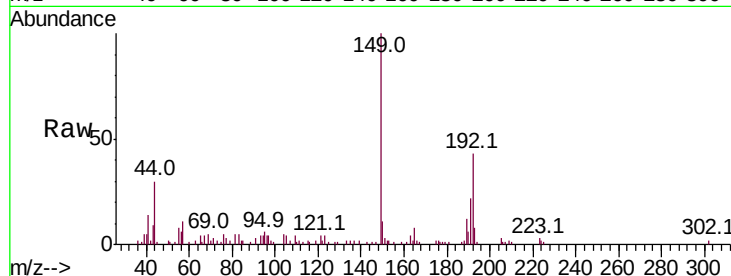
Tot Ion:149 Resp: 25324

Ion Ratio Lower Upper

149 100

150 11.0 7.8 11.6

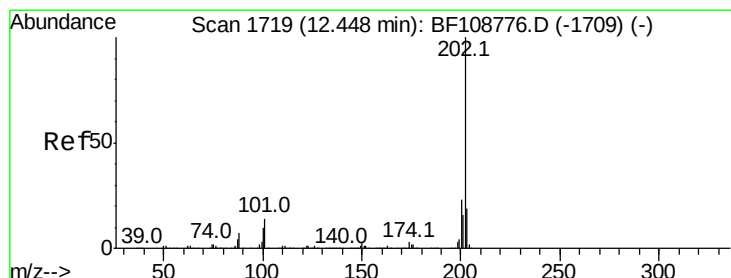
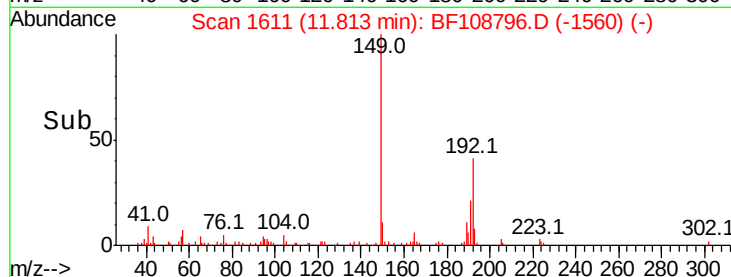
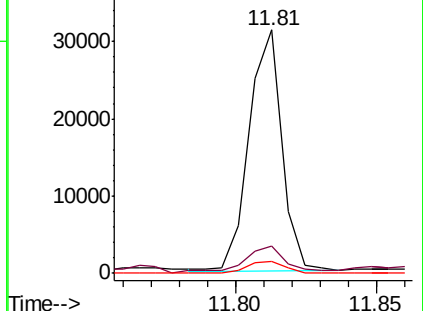
104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 7.616 ng

RT: 12.44 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

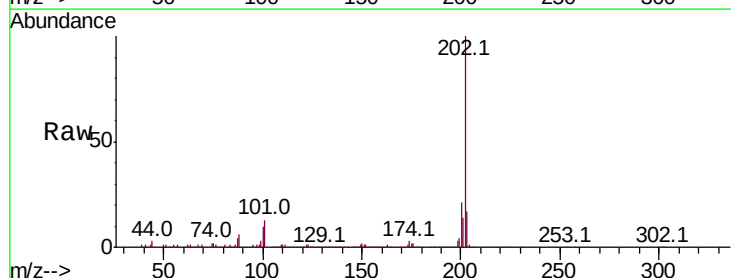
Tgt Ion:202 Resp: 258203

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

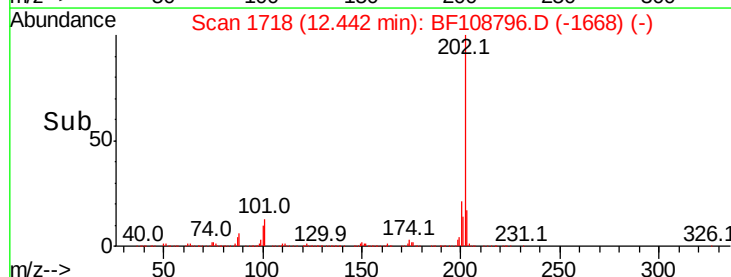
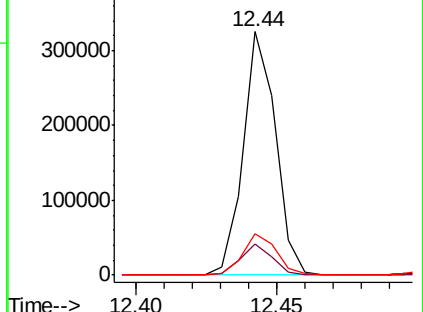
203 16.8 0.0 38.1

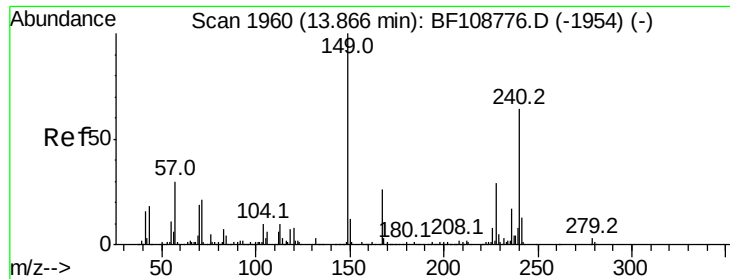


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

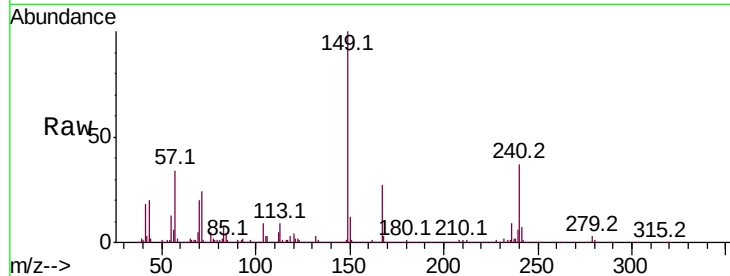
Tot Ion:240 Resp: 520294

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

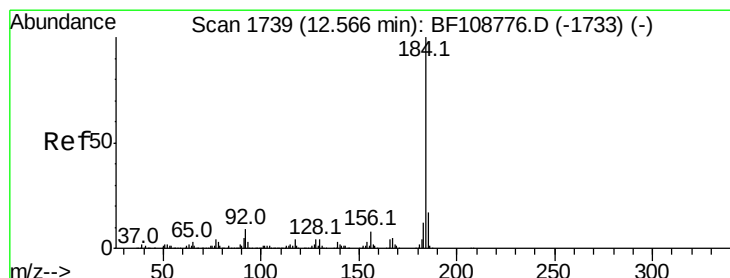
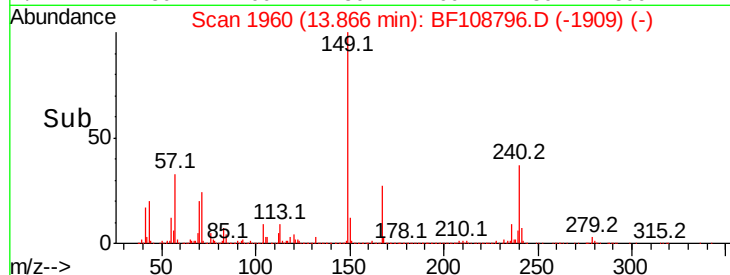
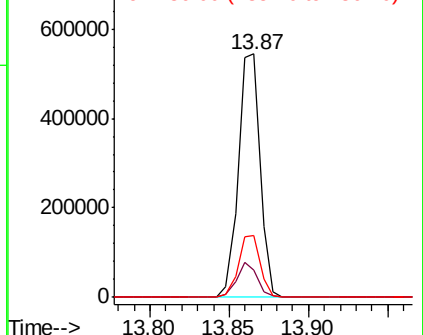
236 25.6 20.7 31.1



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: 0.032 ng

RT: 12.55 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

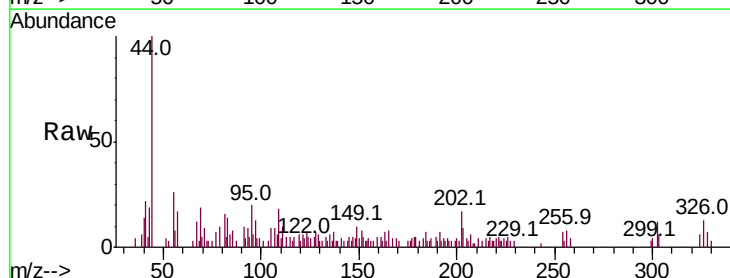
Tgt Ion:184 Resp: 792

Ion Ratio Lower Upper

184 100

185 51.5 12.6 18.8#

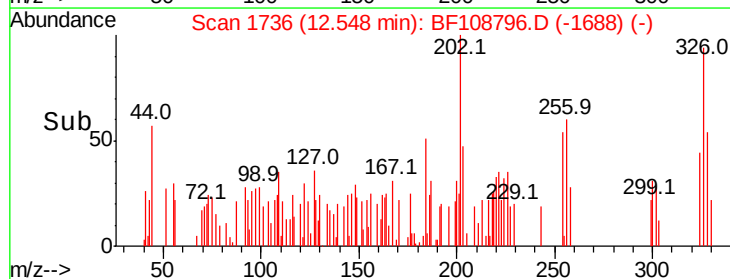
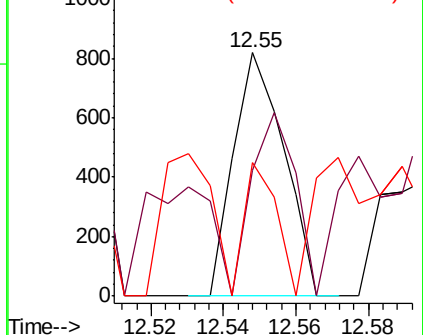
183 55.1 9.3 13.9#

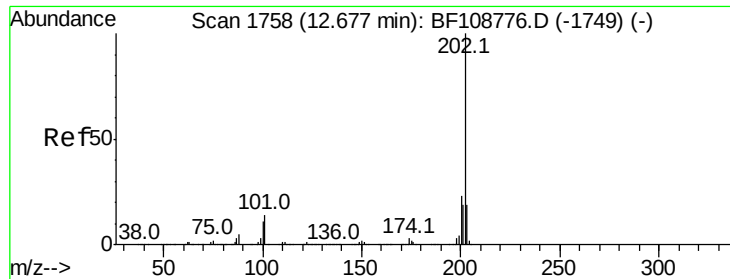


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

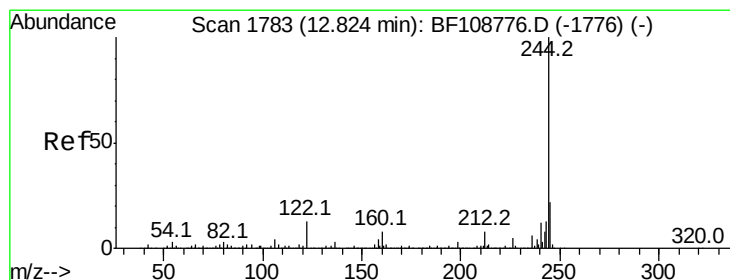
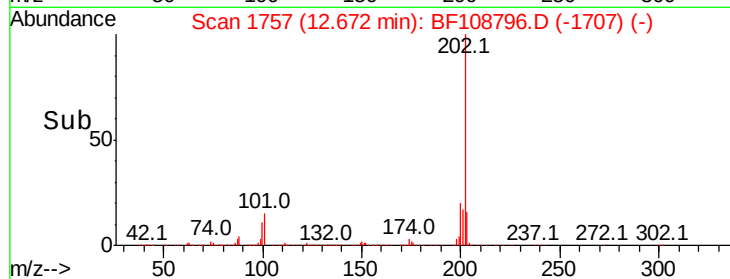
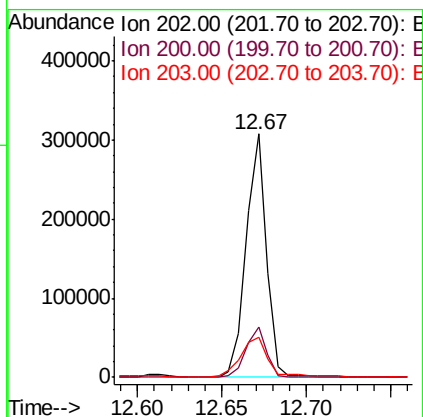
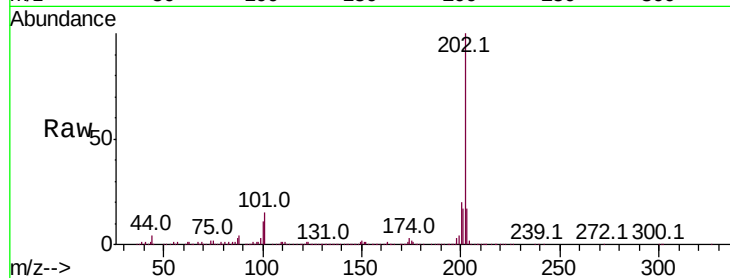




#77
Pvrene
Concen: 6.456 ng
RT: 12.67 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

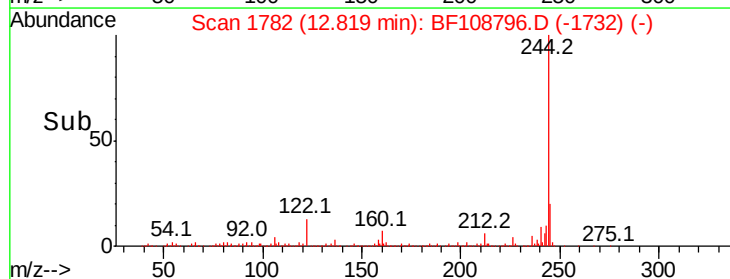
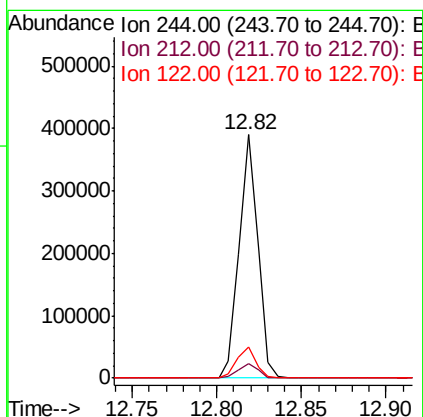
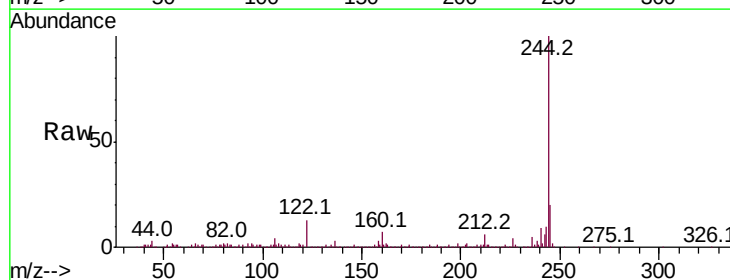
Instrument :
BNA_F
ClientSampleId :

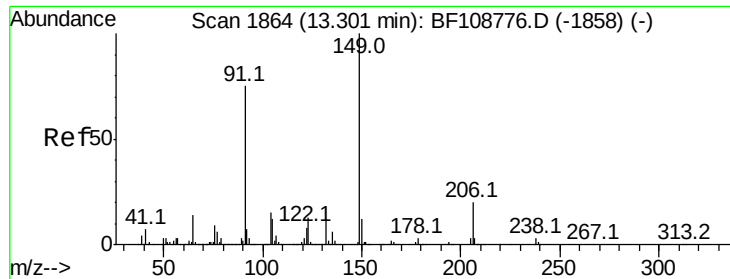
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	16.5	14.3	21.5



#78
Terphenyl-d14
Concen: 13.403 ng
RT: 12.82 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	12.7	11.0	16.4

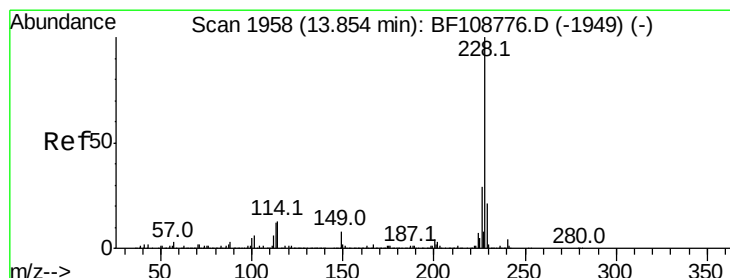
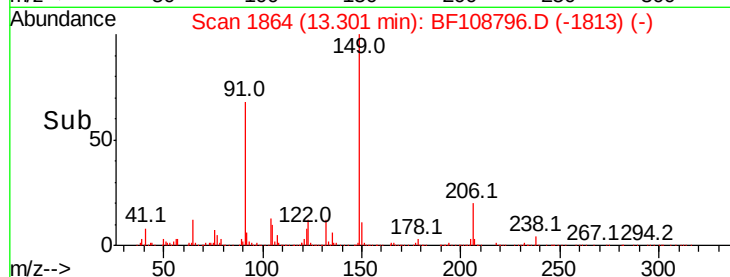
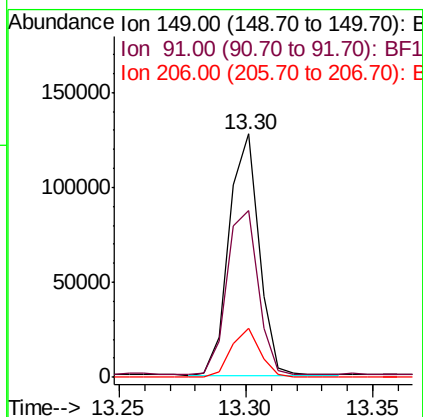
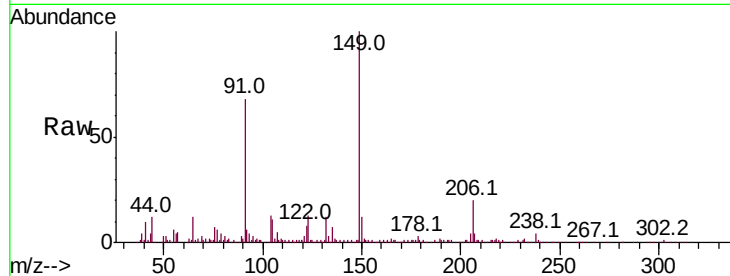




#79
Butylbenzylphthalate
Concen: 5.782 ng
RT: 13.30 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

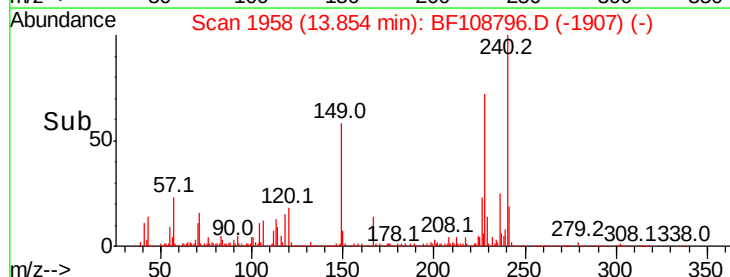
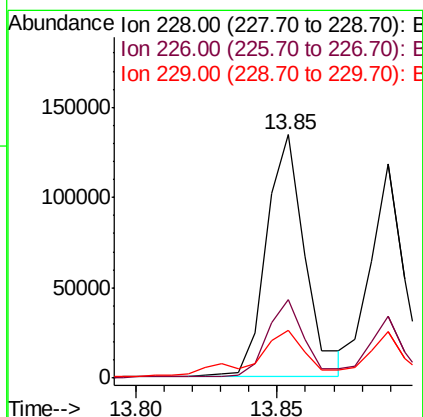
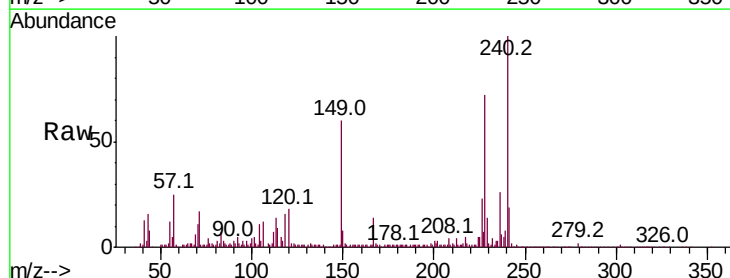
Instrument :
BNA_F
ClientSampleId :

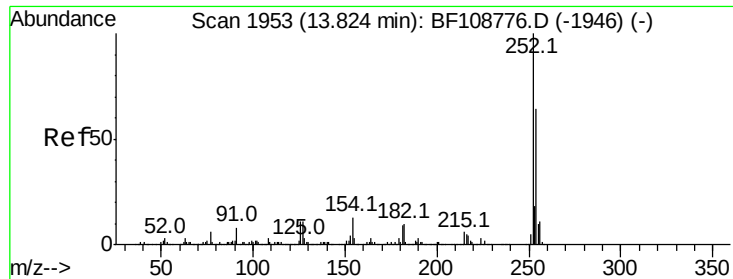
Tot Ion	Ratio	Lower	Upper
149	100		
91	68.3	56.8	85.2
206	19.9	14.1	21.1



#80
Benzo(a)anthracene
Concen: 3.813 ng
RT: 13.85 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	19.8	15.8	23.6

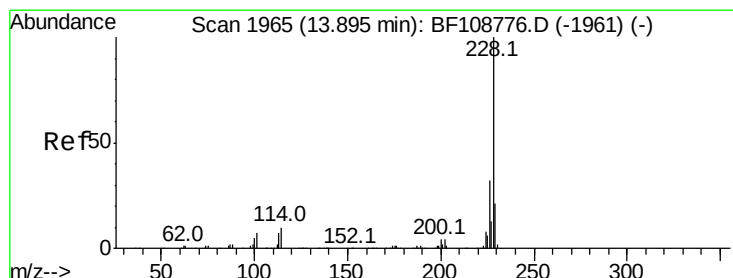
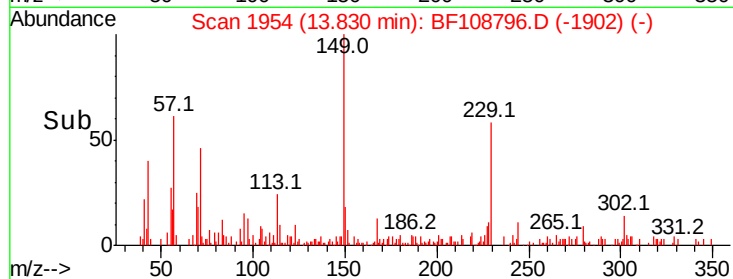
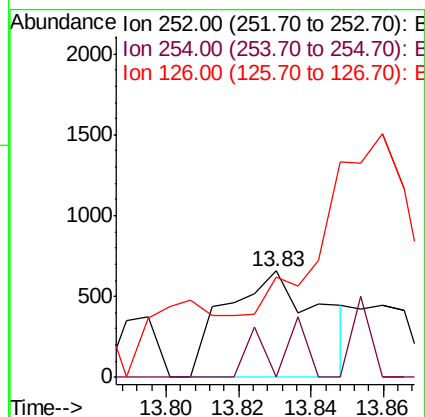
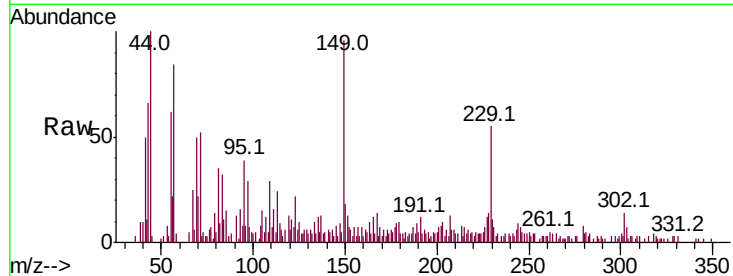




#81
 3,3'-Dichlorobenzidine
 Concen: 0.092 ng
 RT: 13.83 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

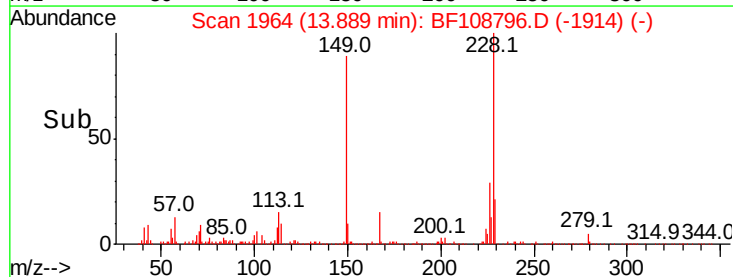
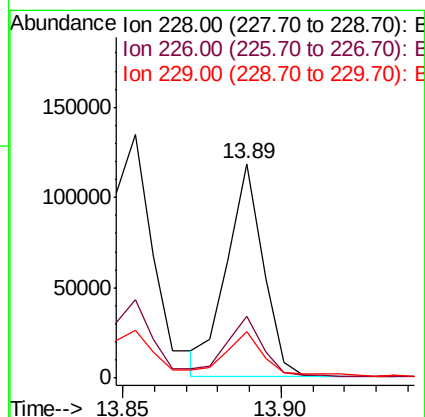
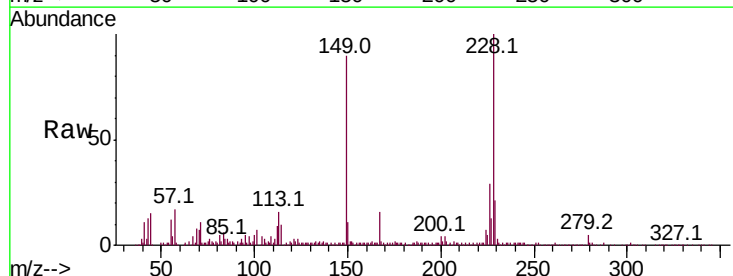
Instrument :
 BNA_F
 ClientSampleId :

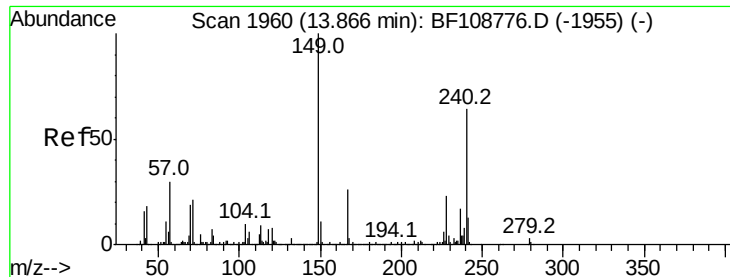
Tot Ion:252 Resp: 1190
 Ion Ratio Lower Upper
 252 100
 254 0.0 50.4 75.6#
 126 95.0 11.3 16.9#



#82
 Chrysene
 Concen: 2.901 ng
 RT: 13.89 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion:228 Resp: 93644
 Ion Ratio Lower Upper
 228 100
 226 29.1 25.0 37.6
 229 21.4 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 134.311 ng

RT: 13.88 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

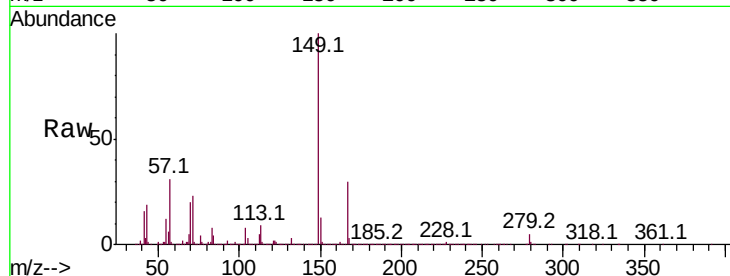
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 3043126

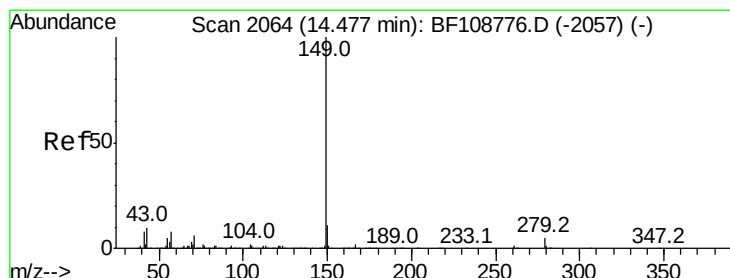
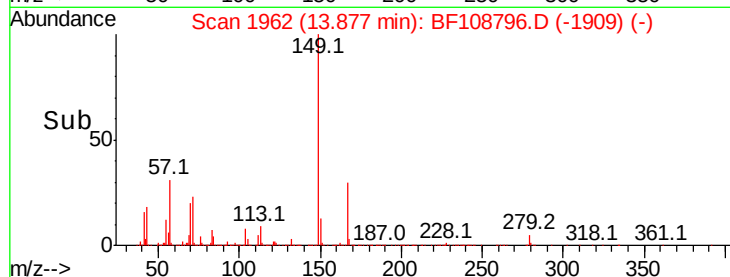
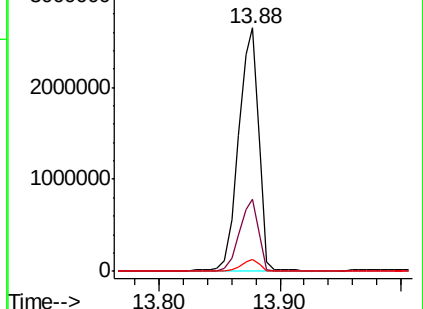
Ion	Ratio	Lower	Upper
149	100		
167	29.5	21.3	31.9
279	4.9	3.0	4.4



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: 3.364 ng

RT: 14.47 min Scan# 2063

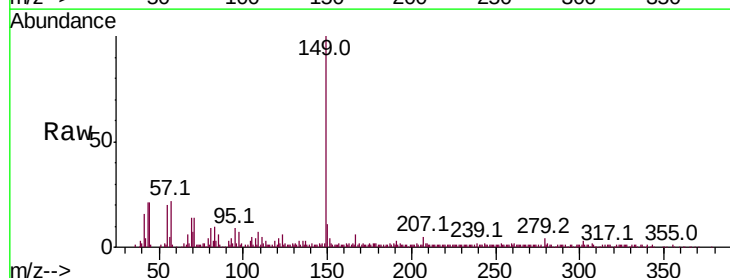
Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Tgt Ion:149 Resp: 127088

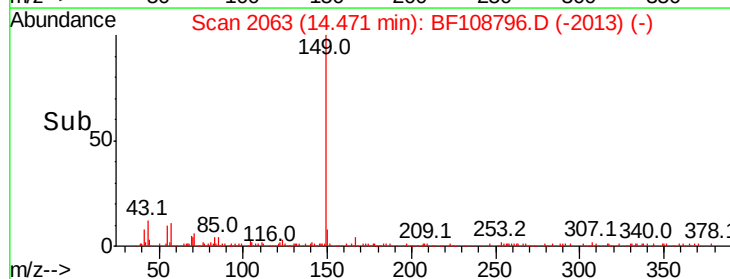
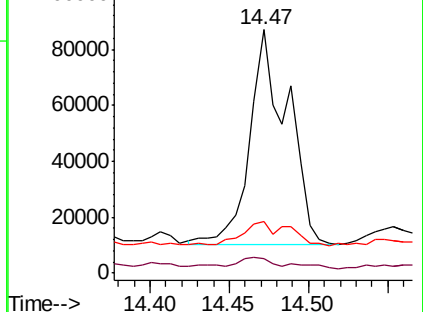
Ion	Ratio	Lower	Upper
149	100		
167	2.9	1.2	1.8
43	14.0	8.4	12.6

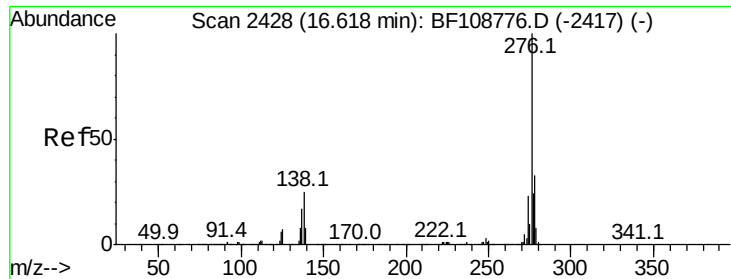


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

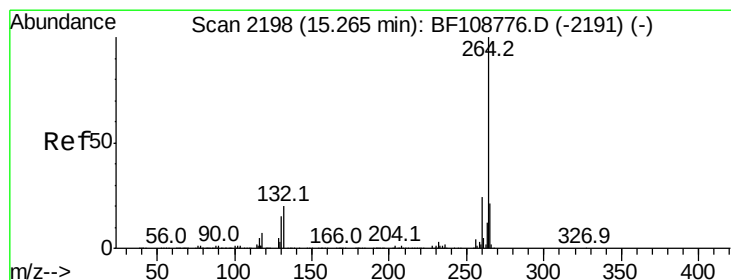
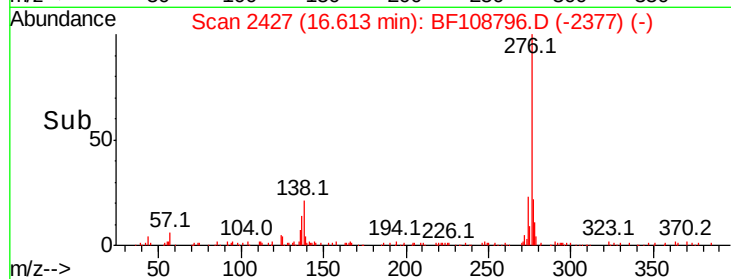
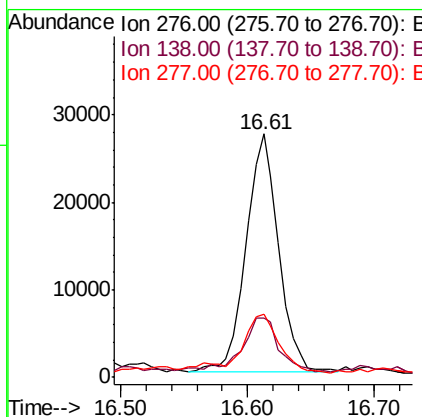
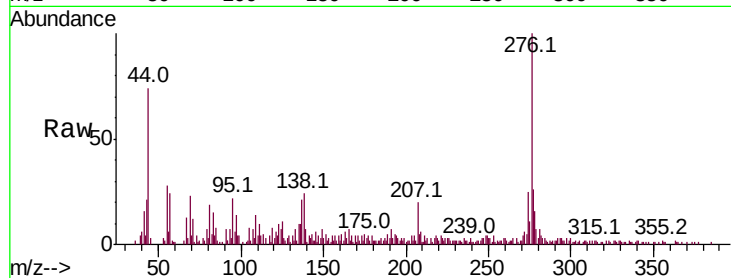




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 1.678 ng
 RT: 16.61 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

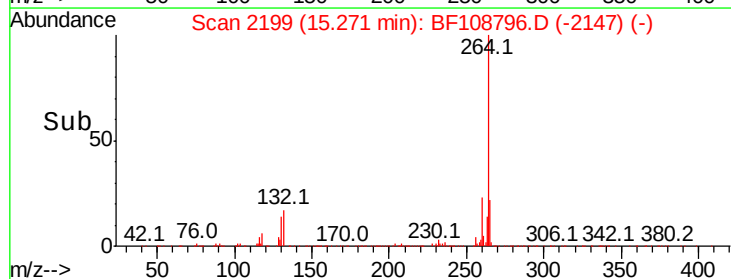
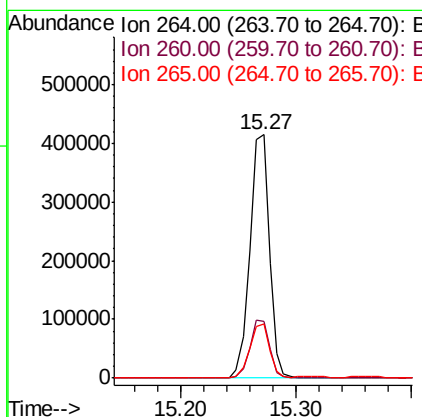
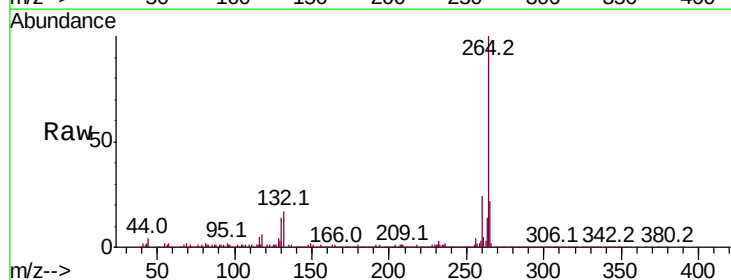
Instrument :
 BNA_F
 ClientSampleId :

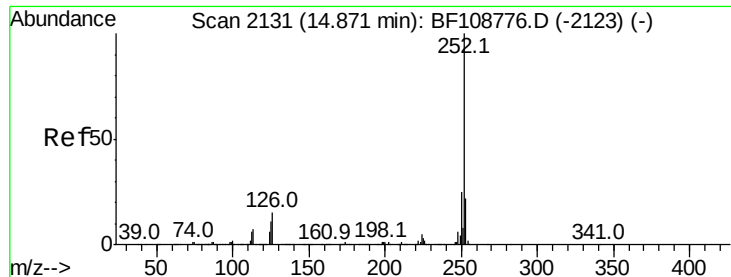
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.0	37.6
277	26.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.084 ng

RT: 14.87 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampled :

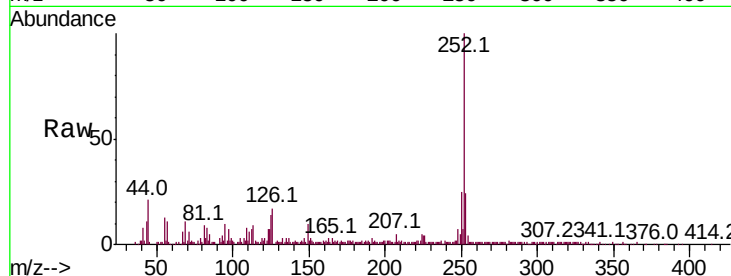
Tot Ion:252 Resp: 160392

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

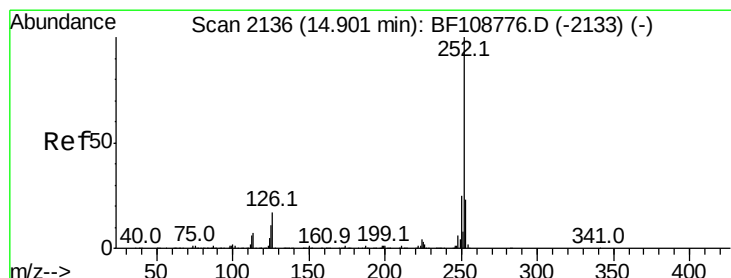
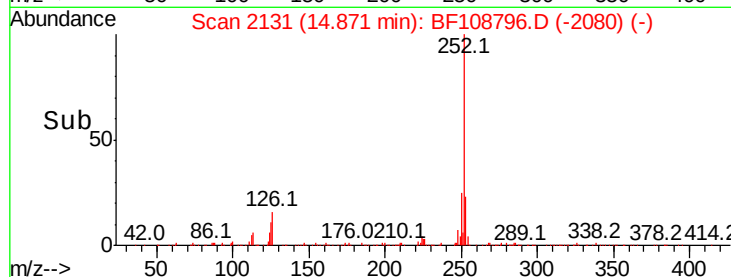
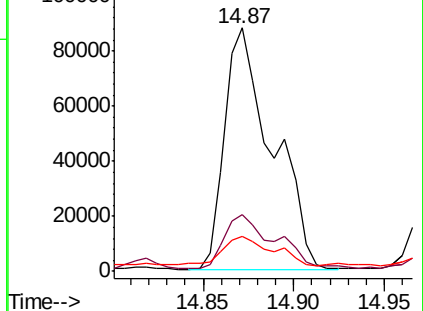
125 14.2 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 6.607 ng

RT: 14.87 min Scan# 2131

Delta R.T. -0.03 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

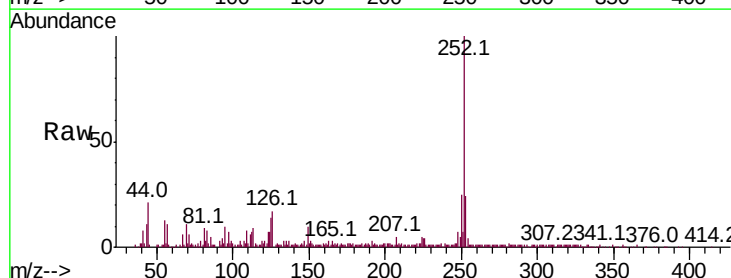
Tgt Ion:252 Resp: 160392

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

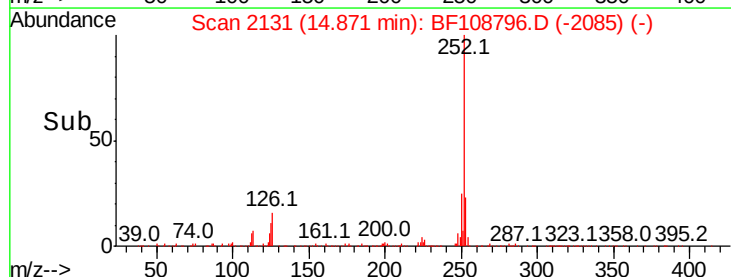
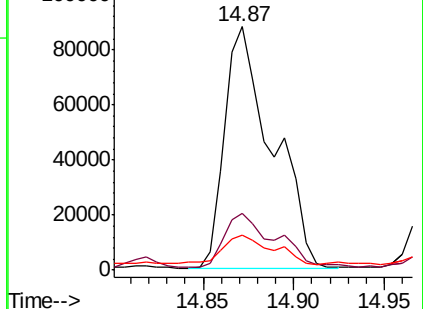
125 14.2 10.2 15.2

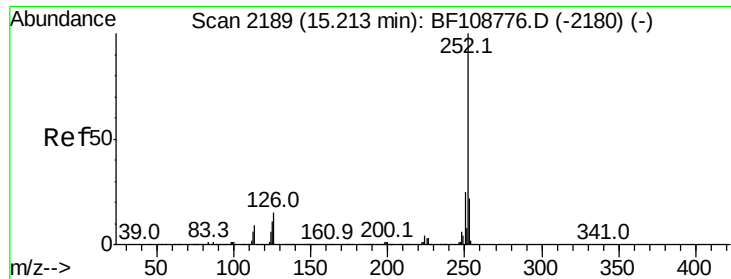


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

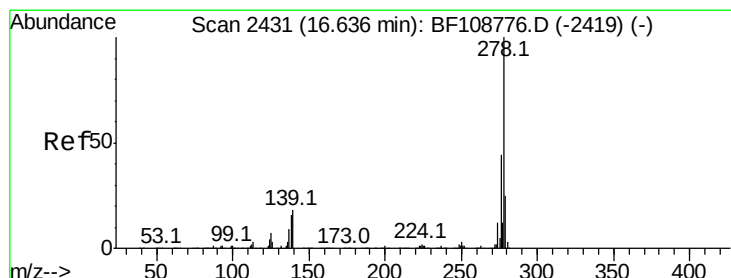
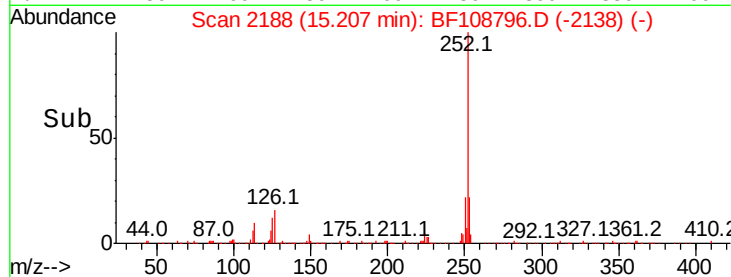
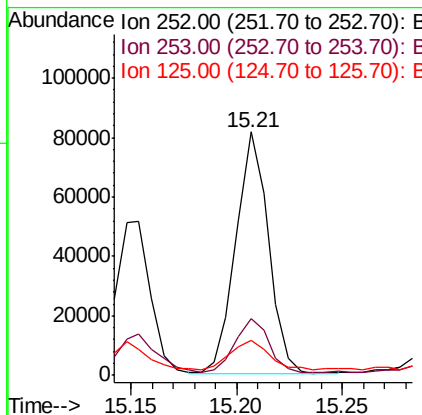
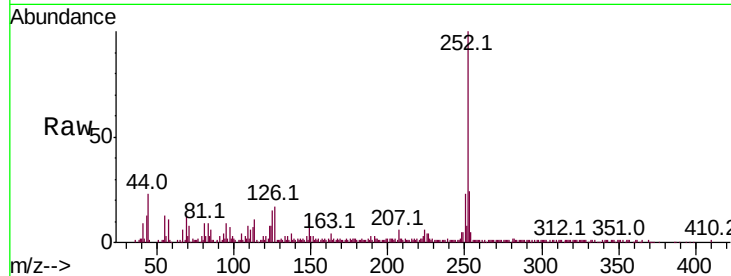




#89
Benzo(a)pyrene
Concen: 3.645 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

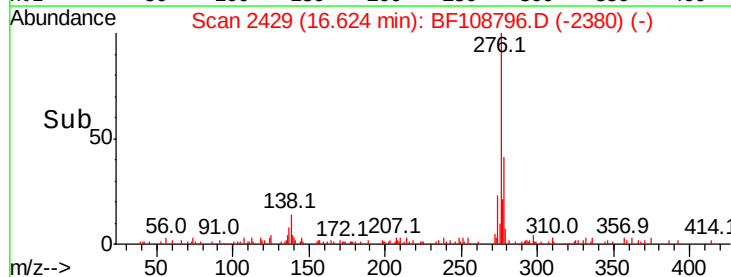
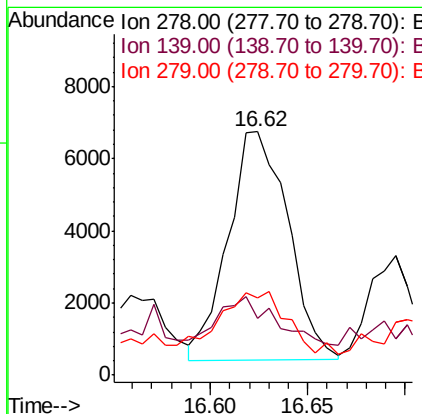
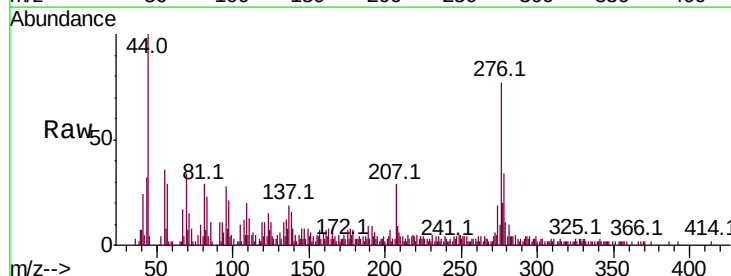
Instrument :
BNA_F
ClientSampleId :

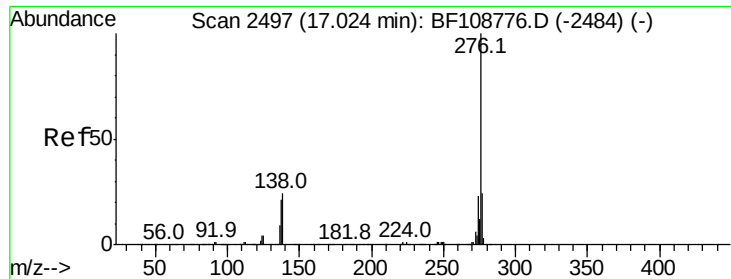
Tot Ion:252 Resp: 86701
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 14.6 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 0.641 ng
RT: 16.62 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion:278 Resp: 13437
Ion Ratio Lower Upper
278 100
139 30.9 15.9 23.9#
279 31.6 19.0 28.4#

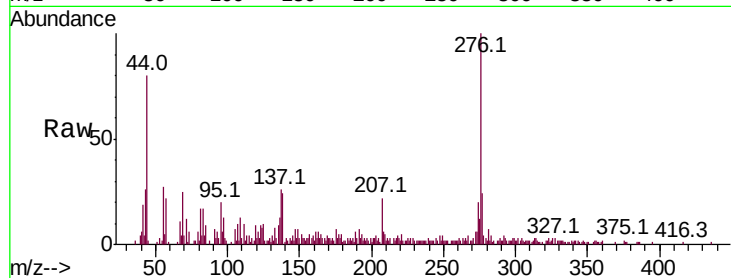




#91
 Benzo(a,h,i)perylene
 Concen: 2.377 ng
 RT: 17.01 min Scan# 2495
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	23.5	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

