

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108790.D
 Acq On : 5 Sep 2018 22:34
 Operator : JU/SJ
 Sample : J4741-20 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 05:27:43 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	6.73	152	274434	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	997315	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	408683	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	668861	20.00	ng	0.00
75) Chrysene-d12	13.87	240	598316	20.00	ng	0.00
86) Perylene-d12	15.27	264	461782	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	247607	14.95	ng	0.00
7) Phenol-d6	6.35	99	326662	15.33	ng	-0.01
23) Nitrobenzene-d5	7.28	82	155506	9.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	43986	11.27	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	304791	12.72	ng	0.00
78) Terphenyl-d14	12.82	244	250965	9.78	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.07	79	107	0.005	ng	# 21
4) n-Nitrosodimethylamine	3.11	42	107	0.013	ng	# 1
6) Aniline	6.50	93	303	0.011	ng	# 1
9) Benzaldehyde	6.35	77	543	0.036	ng	# 1
10) Phenol	6.37	94	348	0.014	ng	# 1
11) bis(2-Chloroethyl)ether	6.50	93	303	0.015	ng	# 1
15) Benzyl Alcohol	6.89	79	3010	0.184	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	6.91	45	117	0.004	ng	# 70
19) n-Nitroso-di-n-propylamine	7.28	70	21204	1.431	ng	# 83
22) Acetophenone	7.14	105	111	0.005	ng	# 54
24) Nitrobenzene	7.29	77	559	0.033	ng	# 38
25) Isophorone	7.28	82	155321	4.886	ng	# 64
31) Naphthalene	8.04	128	346	0.008	ng	# 68
37) 2-Methylnaphthalene	8.72	142	113	0.004	ng	# 80
45) 1,1'-Biphenyl	9.18	154	473	0.015	ng	# 42
46) 2-Chloronaphthalene	9.48	162	397	0.016	ng	# 1
47) 2-Nitroaniline	9.48	65	717	0.103	ng	# 1
48) Acenaphthylene	9.62	152	4959	0.131	ng	# 98
49) Dimethylphthalate	9.48	163	70552	2.468	ng	# 99
50) 2,6-Dinitrotoluene	9.77	165	52397	9.620	ng	# 26
51) Acenaphthene	9.80	154	866	0.037	ng	# 82
54) Dibenzofuran	9.97	168	546	0.016	ng	# 82
55) 4-Nitrophenol	9.97	139	123	0.025	ng	# 9
56) 2,4-Dinitrotoluene	9.77	165	52397	7.522	ng	# 23
57) Fluorene	10.31	166	1251	0.057	ng	# 74
59) Diethylphthalate	10.18	149	5989	0.203	ng	# 93
62) Azobenzene	10.50	77	243	0.008	ng	# 50
65) n-Nitrosodiphenylamine	10.54	169	1548	0.070	ng	# 34
66) 4-Bromophenyl-phenylether	10.54	248	2787	0.369	ng	# 1
70) Phenanthrene	11.26	178	25497	0.798	ng	# 96
71) Anthracene	11.31	178	8326	0.272	ng	# 96
72) Carbazole	11.47	167	3333	0.103	ng	# 96
73) Di-n-butylphthalate	11.81	149	2836	0.079	ng	# 88
74) Fluoranthene	12.44	202	75314	2.381	ng	# 99

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

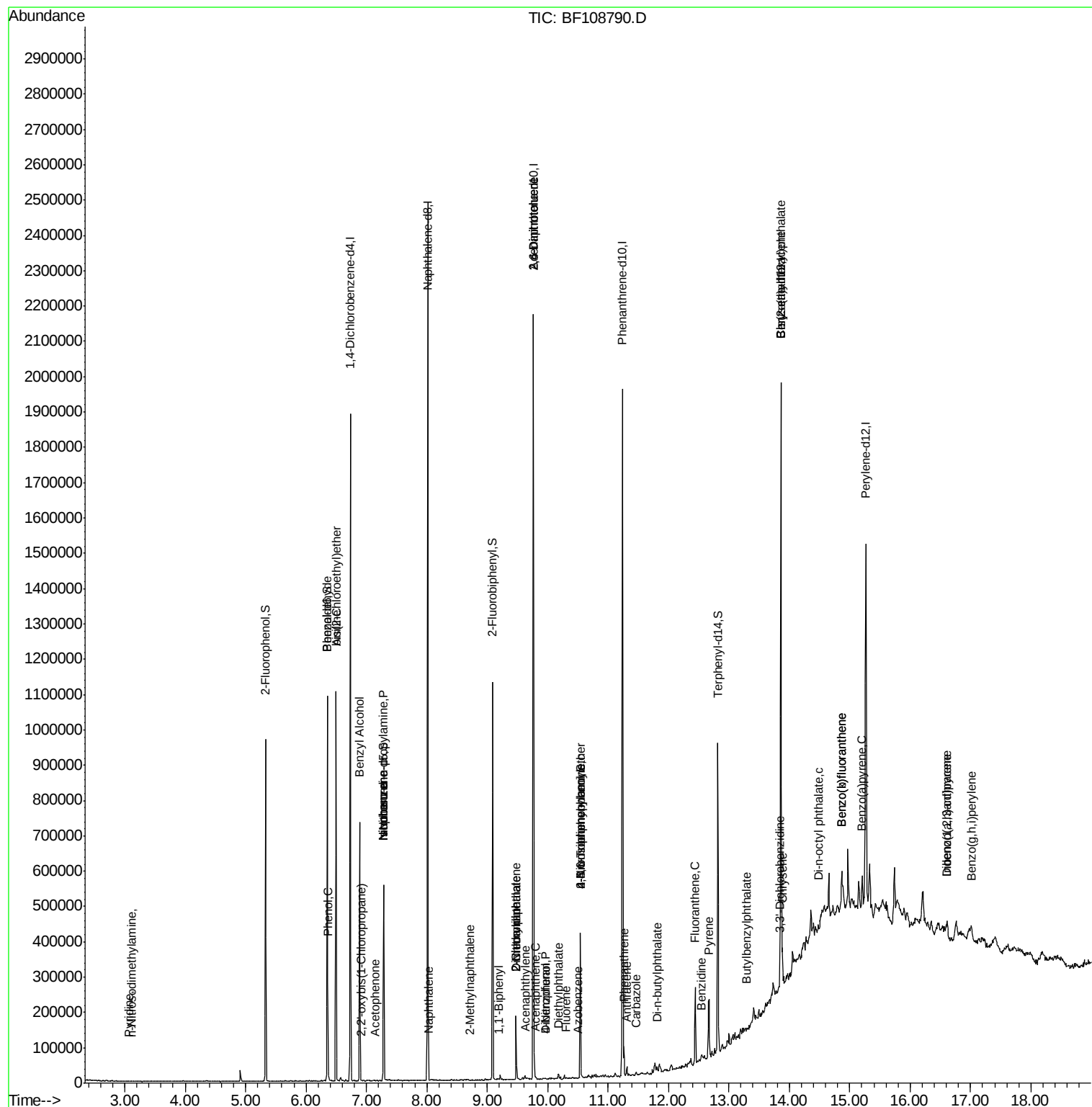
76) Benzidine	12.55	184	742	0.026	nq	#	1
77) Pyrene	12.67	202	67020	1.456	nq		99
79) Butylbenzylphthalate	13.30	149	749	0.036	nq	#	67
80) Benzo(a)anthracene	13.85	228	40062	1.045	nq		93
81) 3,3'-Dichlorobenzidine	13.84	252	518	0.035	nq	#	61
82) Chrysene	13.89	228	43897	1.182	nq		97
83) Bis(2-ethylhexyl)phthalate	13.87	149	6523	0.250	nq	#	88
84) Di-n-octyl phthalate	14.48	149	408	0.009	nq	#	75
85) Indeno(1,2,3-cd)pyrene	16.61	276	26485	0.806	nq	#	91
87) Benzo(b)fluoranthene	14.87	252	72229	2.877	nq	#	87
88) Benzo(k)fluoranthene	14.87	252	72229	3.124	nq	#	90
89) Benzo(a)pyrene	15.21	252	34536	1.524	nq	#	89
90) Dibenzo(a,h)anthracene	16.62	278	7315	0.366	nq	#	62
91) Benzo(q,h,i)perylene	17.01	276	28258	1.414	nq	#	90

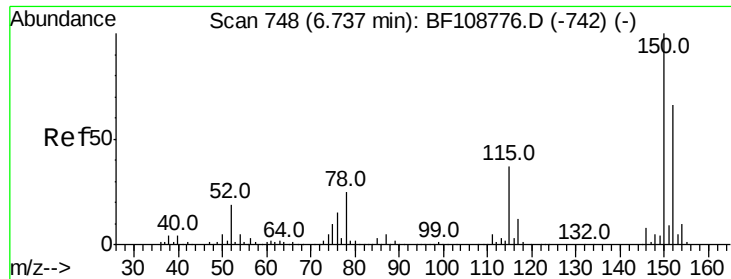
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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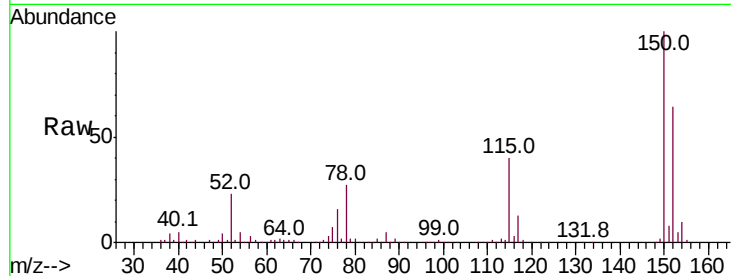


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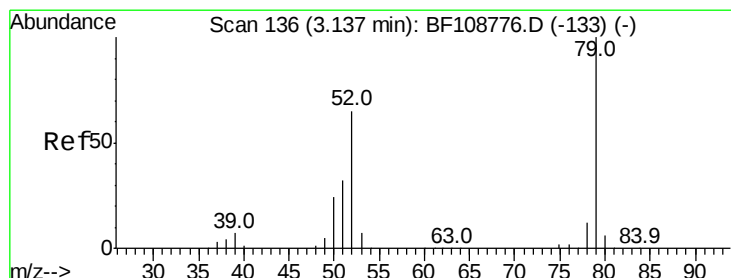
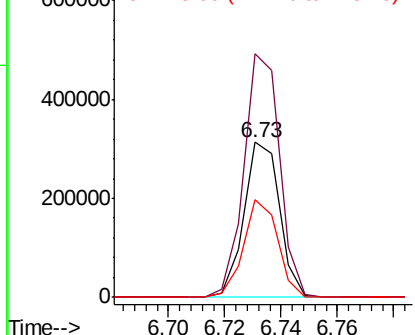
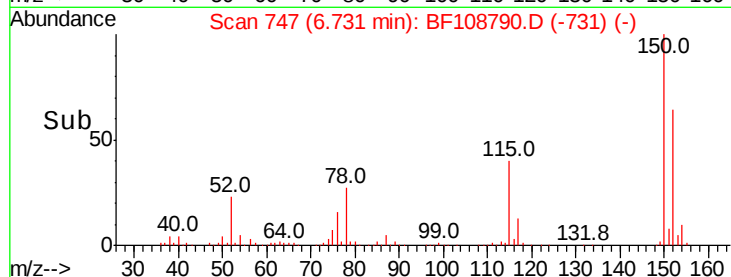
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 274434
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 63.5 50.1 75.1



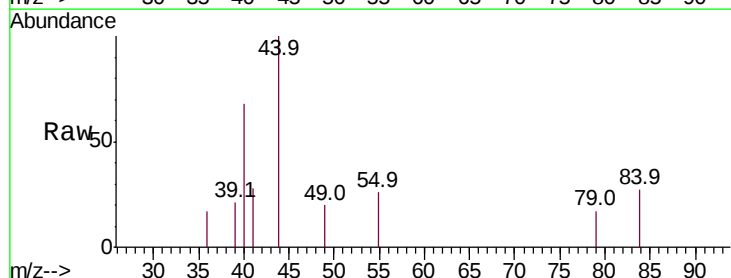
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



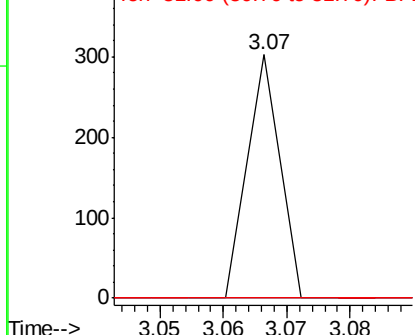
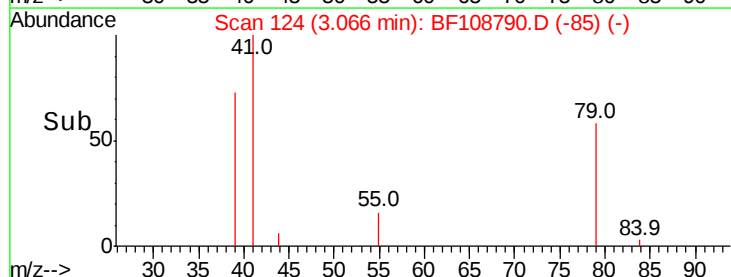
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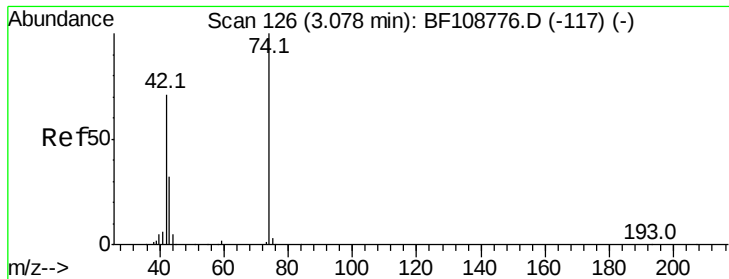
Pyridine
Concen: 0.005 ng
RT: 3.07 min Scan# 124
Delta R.T. -0.07 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt 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



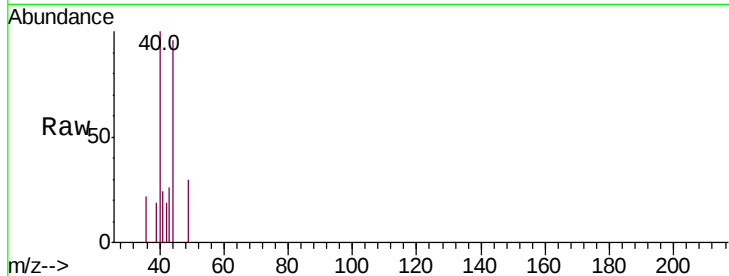


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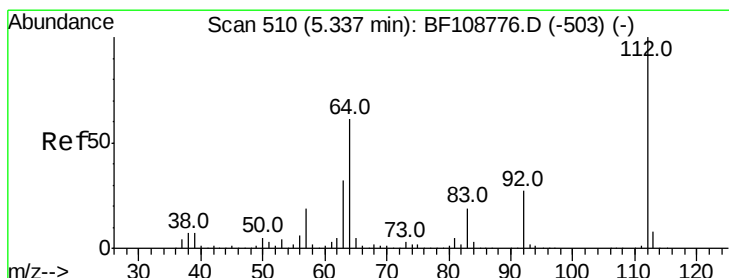
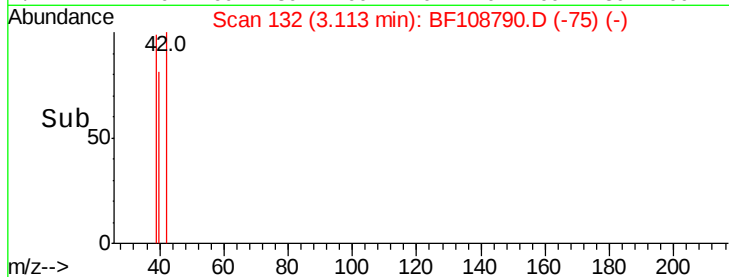
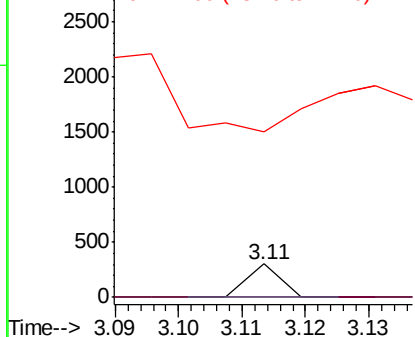
n-Nitrosodimethylamine
 Concen: 0.013 ng
 RT: 3.11 min Scan# 132
 Delta R.T. 0.04 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 42 Resp: 107
 Ion Ratio Lower Upper
 42 100
 74 0.0 104.9 157.3#
 44 497.4 6.9 10.3#



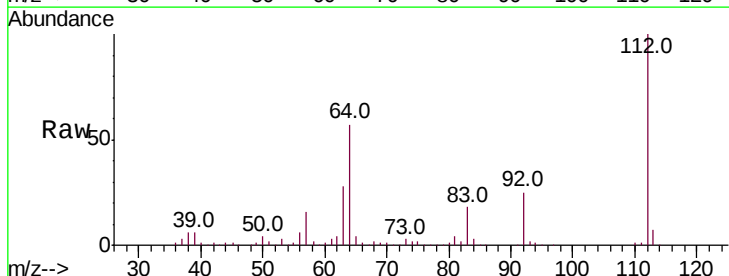
Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1



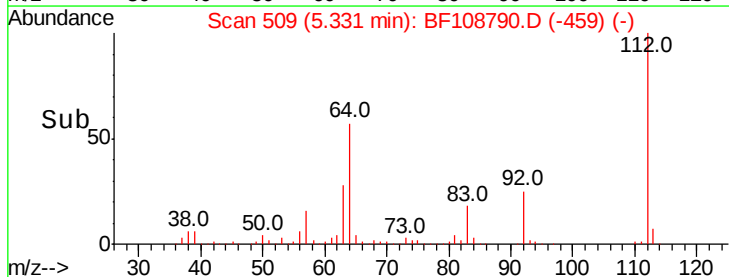
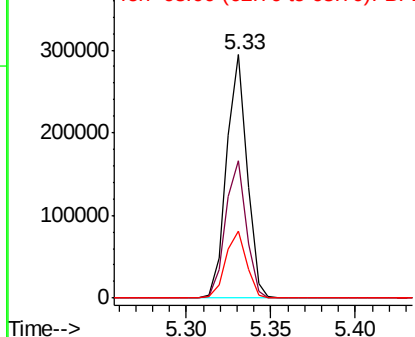
#5

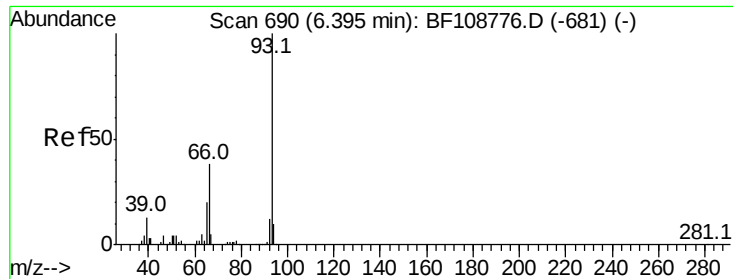
2-Fluorophenol
 Concen: 14.947 ng
 RT: 5.33 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

Tgt Ion: 112 Resp: 247607
 Ion Ratio Lower Upper
 112 100
 64 56.5 47.9 71.9
 63 27.7 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: 0.011 ng

RT: 6.50 min Scan# 707

Delta R.T. 0.10 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

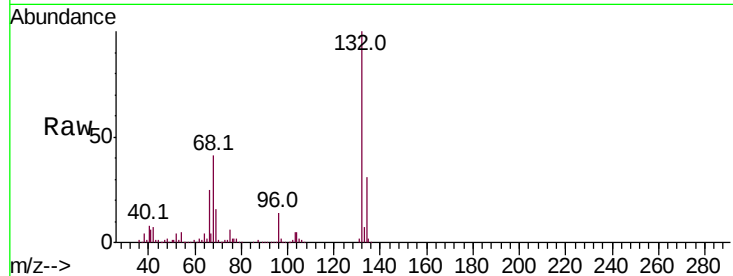
Tot Ion: 93 Resp: 303

Ion Ratio Lower Upper

93 100

66 17856.4 32.2 48.2#

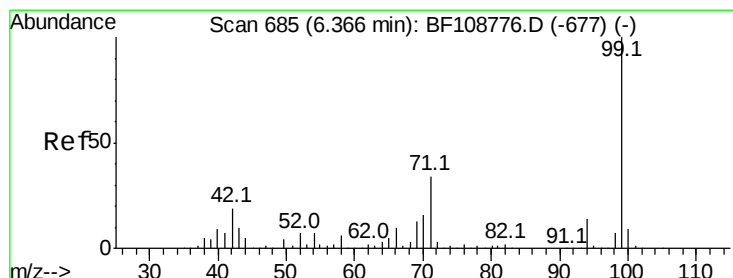
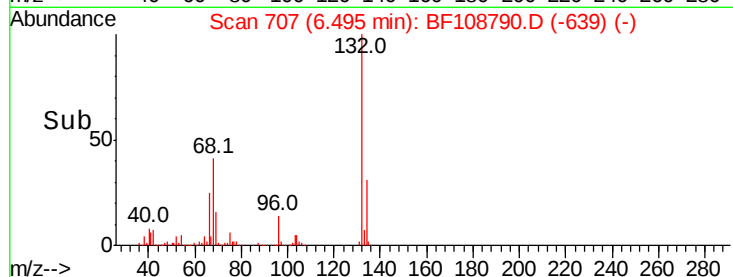
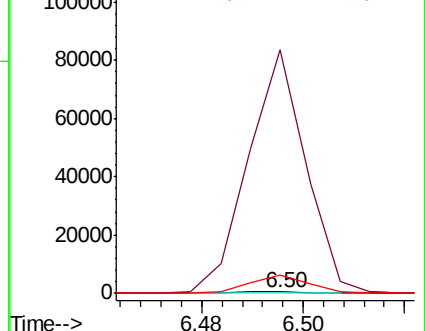
65 1299.1 16.4 24.6#



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: 15.326 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

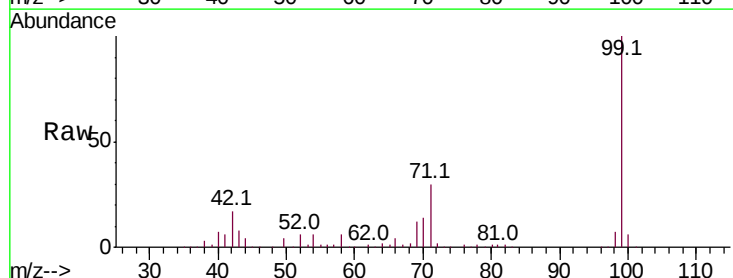
Tgt Ion: 99 Resp: 326662

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

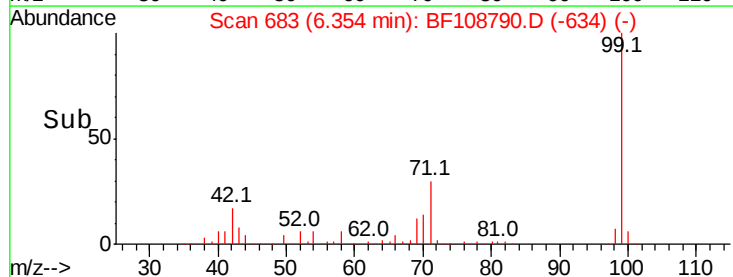
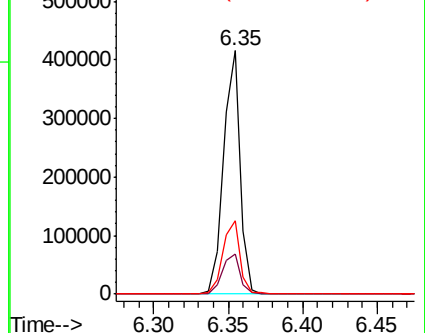
71 30.2 25.4 38.0

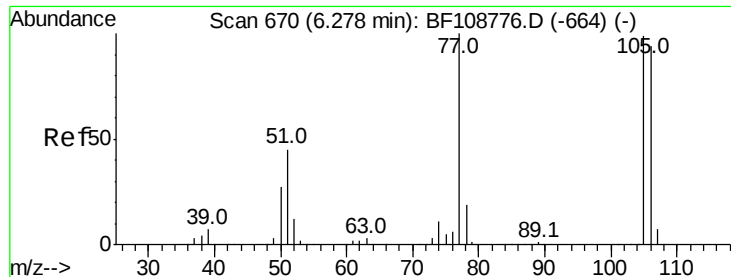


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 0.036 ng

RT: 6.35 min Scan# 682

Delta R.T. 0.07 min

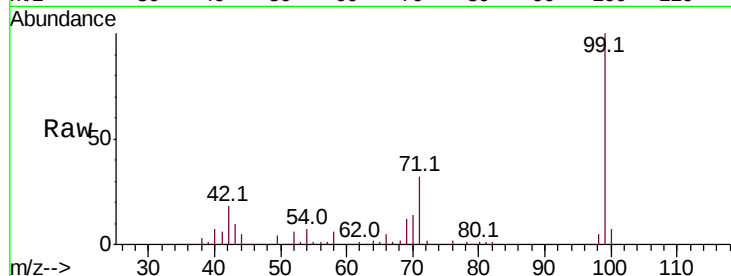
Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 543

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.1	121.1#
106	0.0	74.5	114.5#

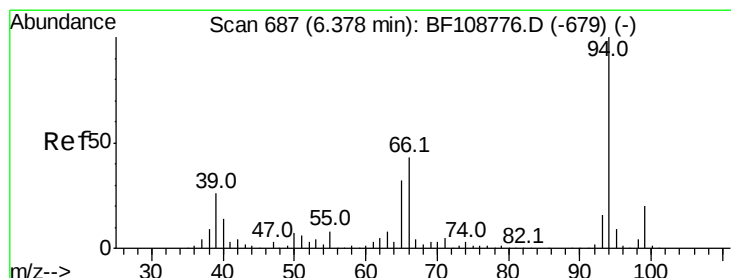
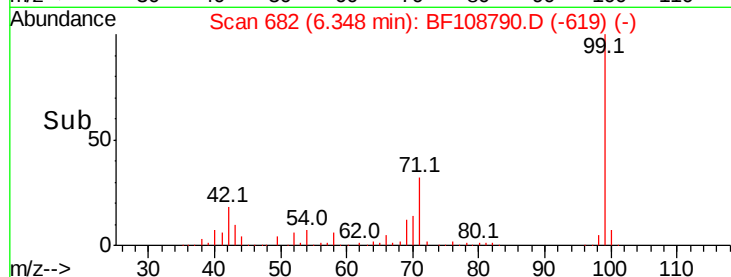
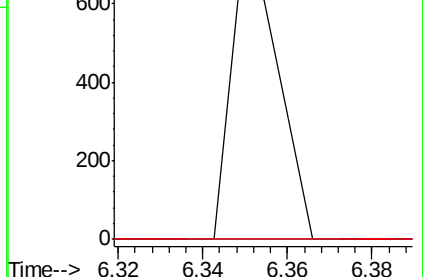


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

6.35



#10

Phenol

Concen: 0.014 ng

RT: 6.37 min Scan# 685

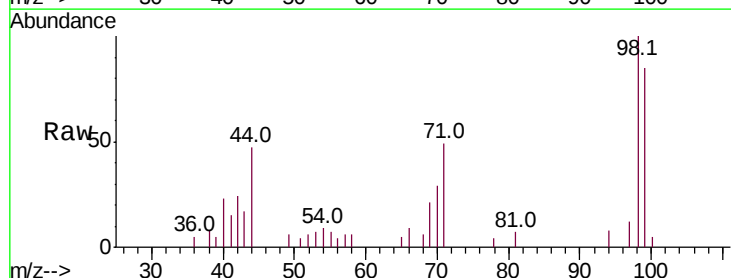
Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Tgt Ion: 94 Resp: 348

Ion	Ratio	Lower	Upper
94	100		
65	65.6	7.9	47.9#
66	121.3	16.2	56.2#

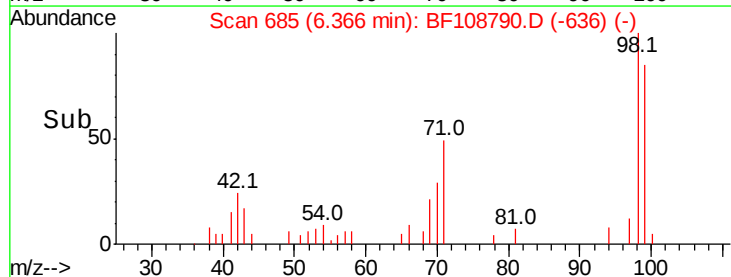
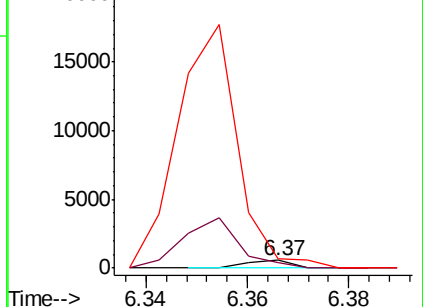


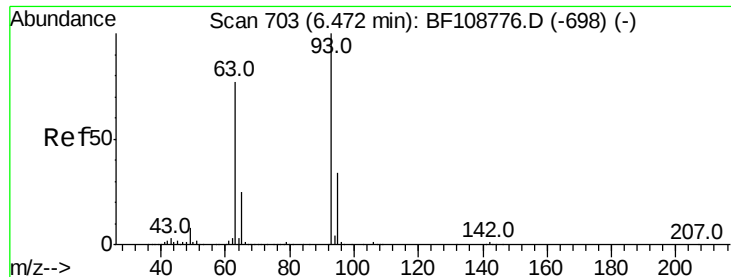
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

20000

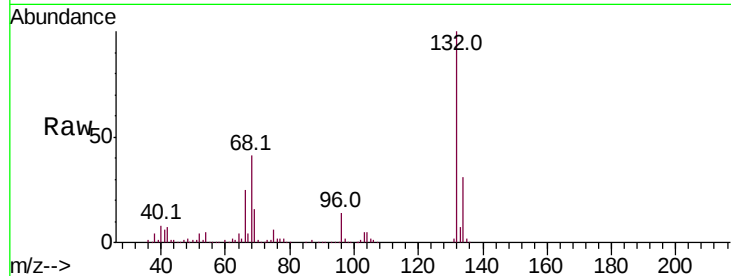




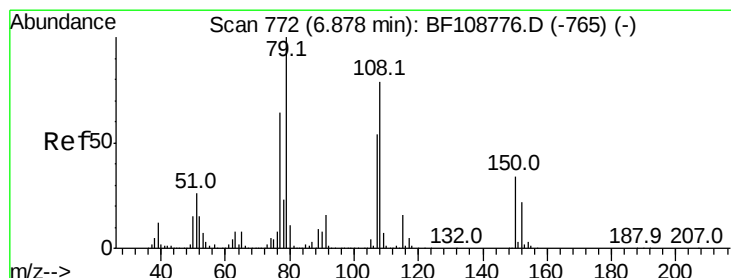
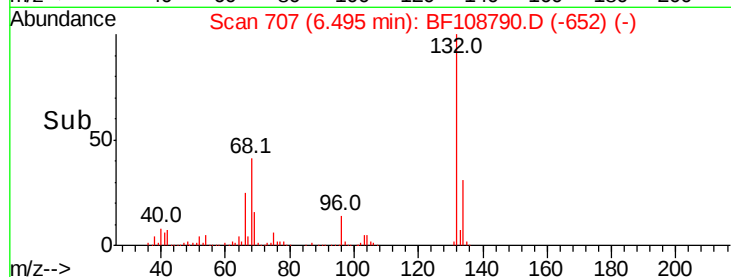
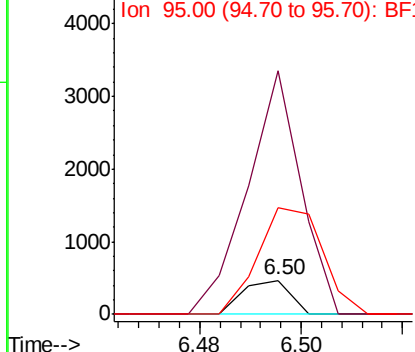
#11
bis(2-Chloroethyl)ether
Concen: 0.015 ng
RT: 6.50 min Scan# 707
Delta R.T. 0.02 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 303
Ion Ratio Lower Upper
93 100
63 716.5 58.6 98.6#
95 313.9 11.8 51.8#

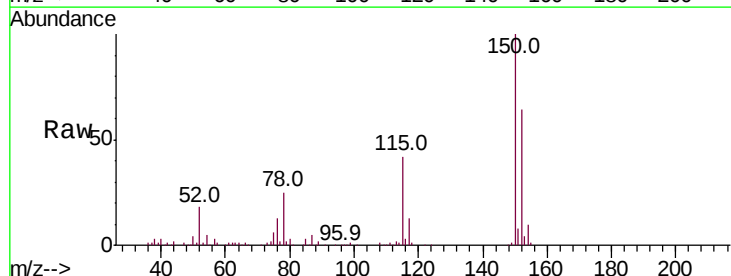


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

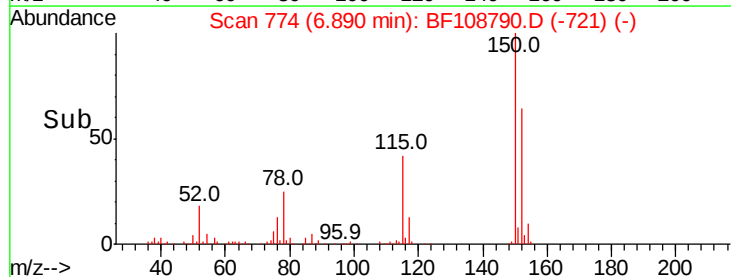
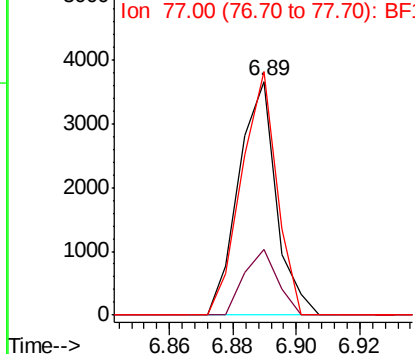


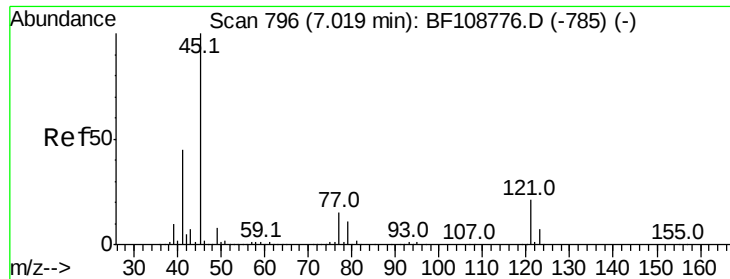
#15
Benzyl Alcohol
Concen: 0.184 ng
RT: 6.89 min Scan# 774
Delta R.T. 0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion: 79 Resp: 3010
Ion Ratio Lower Upper
79 100
108 28.2 65.1 97.7#
77 104.3 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

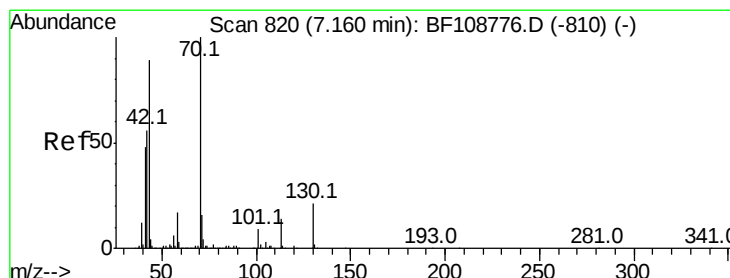
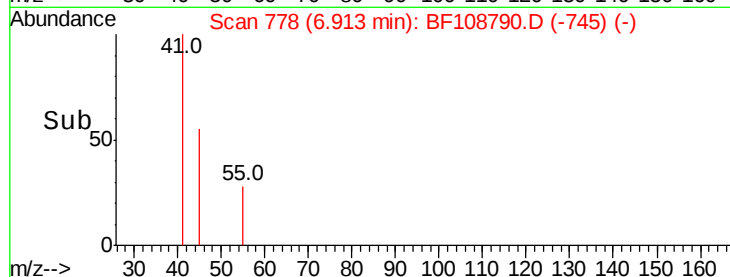
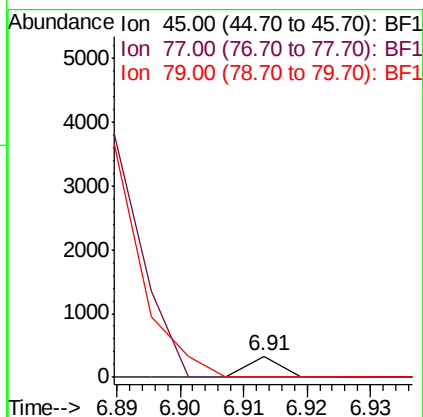
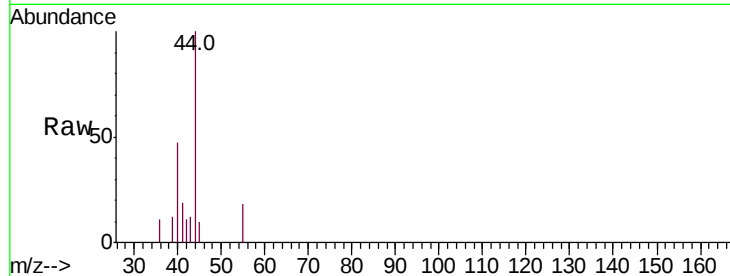




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.004 ng
RT: 6.91 min Scan# 778
Delta R.T. -0.11 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

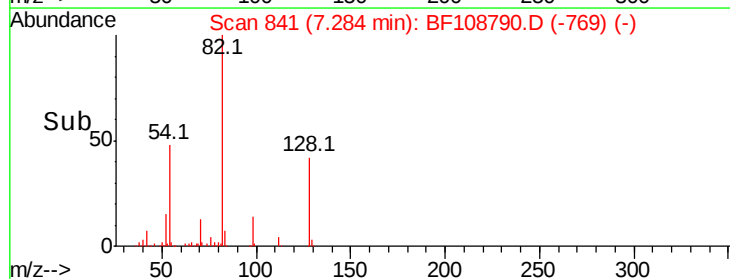
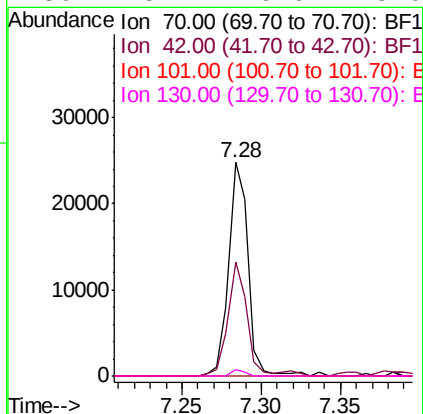
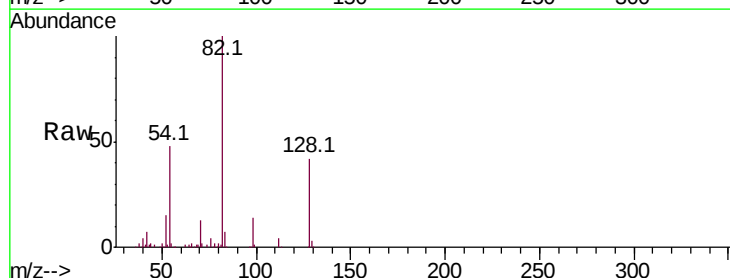
Instrument :
BNA_F
ClientSampleId :

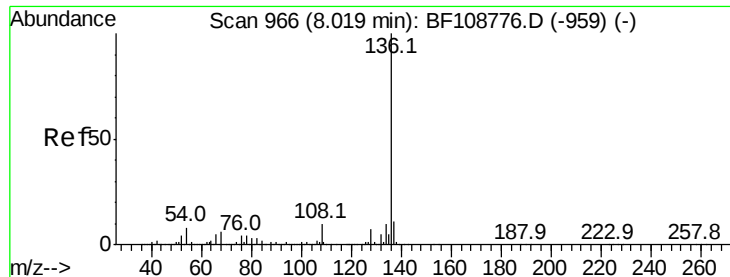
Tot Ion: 45 Resp: 117
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.9
79 0.0 0.0 29.6



#19
n-Nitroso-di-n-propylamine
Concen: 1.431 ng
RT: 7.28 min Scan# 841
Delta R.T. 0.12 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion: 70 Resp: 21204
Ion Ratio Lower Upper
70 100
42 53.4 47.5 71.3
101 0.0 7.4 11.2#
130 3.2 16.6 25.0#

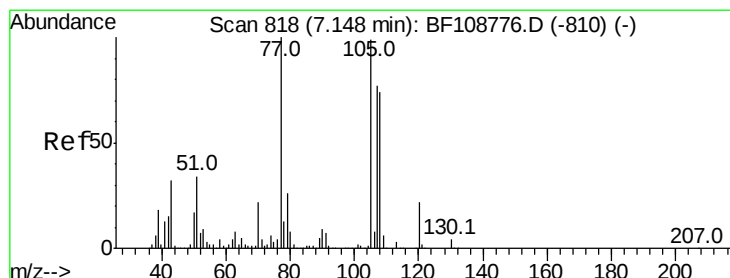
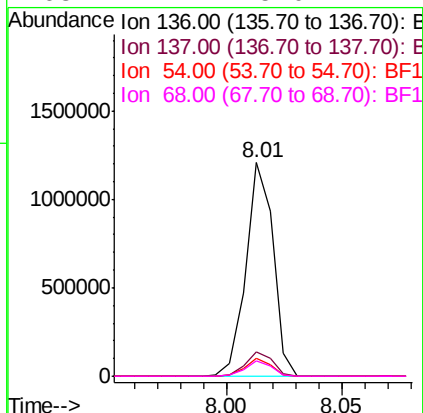
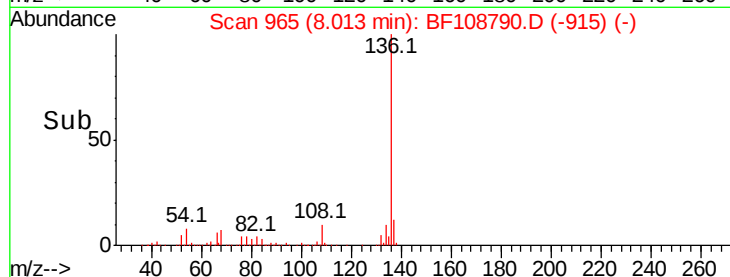
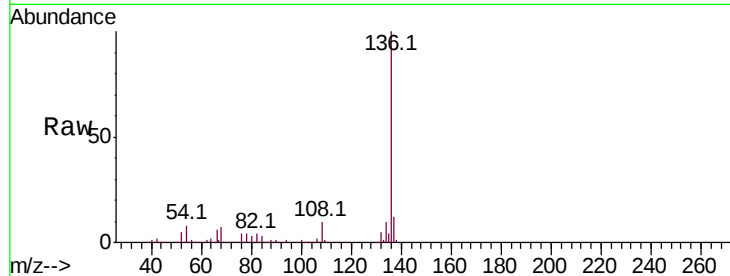




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

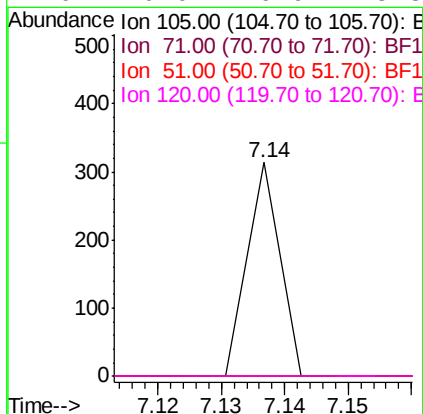
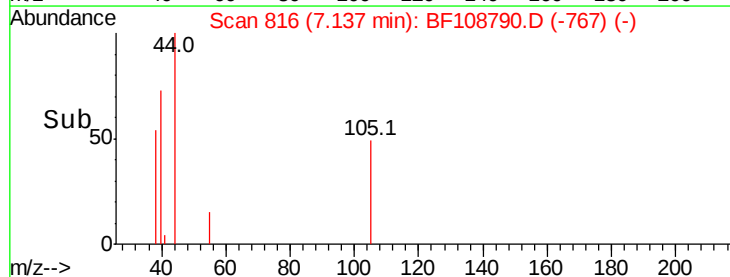
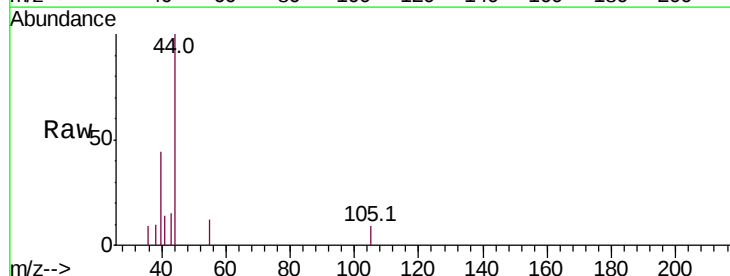
Instrument :
BNA_F
ClientSampleId :

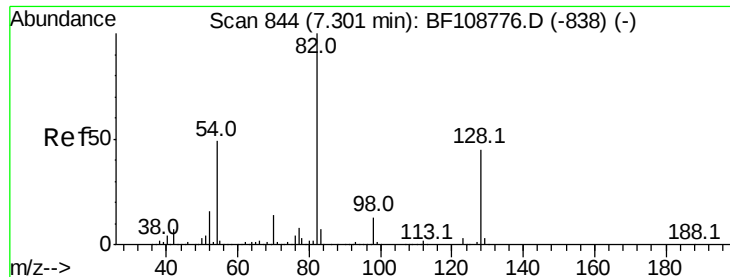
Tot Ion:136	Resp:	997315
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.9	13.3
54 8.4	6.6	9.8
68 7.2	5.0	7.4



#22
Acetophenone
Concen: 0.005 ng
RT: 7.14 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion:105	Resp:	111
Ion Ratio	Lower	Upper
105 100		
71 0.0	4.4	6.6#
51 0.0	22.3	33.5#
120 0.0	16.9	25.3#

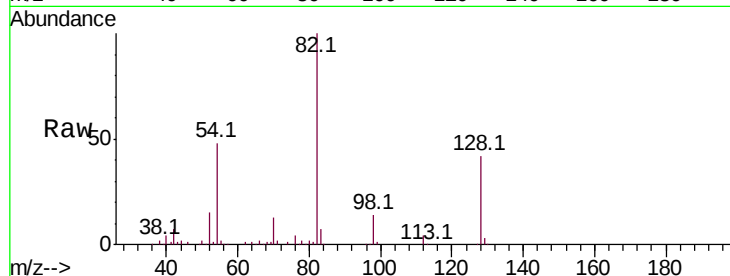




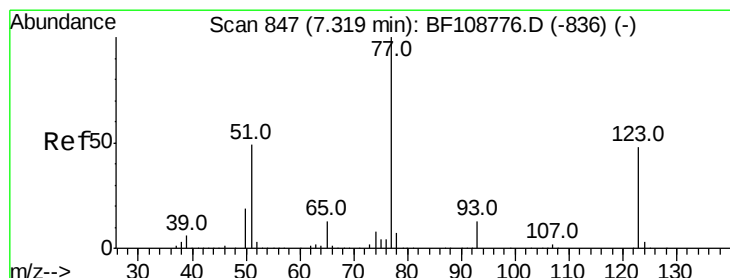
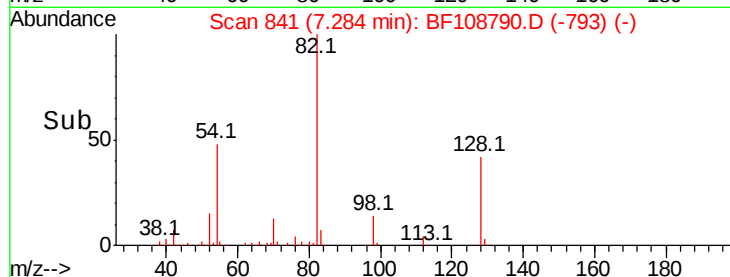
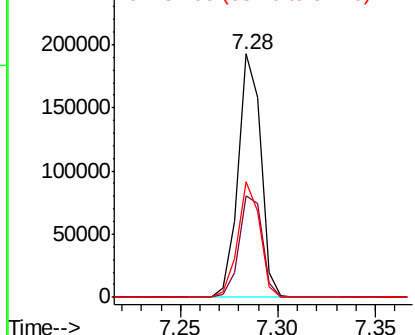
#23
Nitrobenzene-d5
Concen: 9.758 ng
RT: 7.28 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 155506
Ion Ratio Lower Upper
82 100
128 41.8 36.1 54.1
54 47.6 41.4 62.2

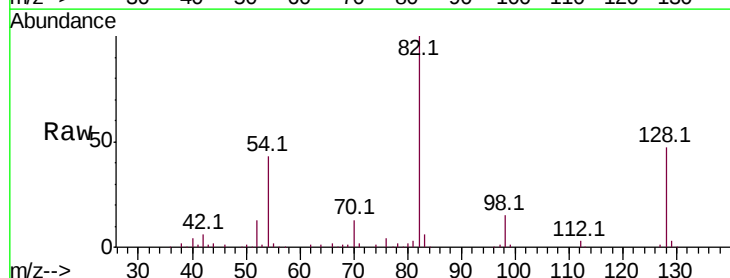


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

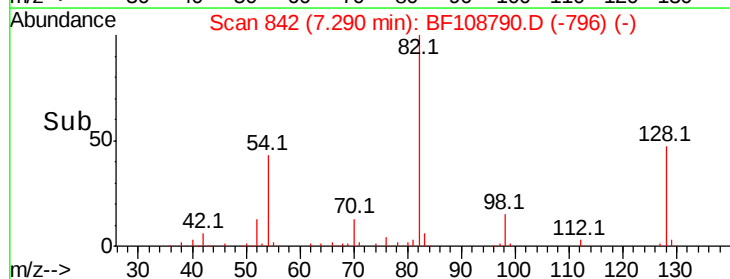
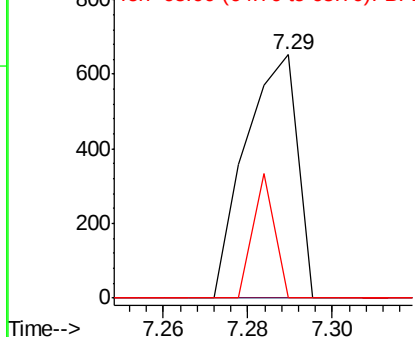


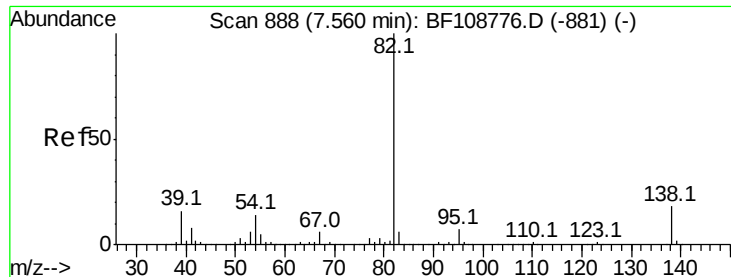
#24
Nitrobenzene
Concen: 0.033 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion: 77 Resp: 559
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 0.0 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: 4.886 ng

RT: 7.28 min Scan# 841

Delta R.T. -0.28 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

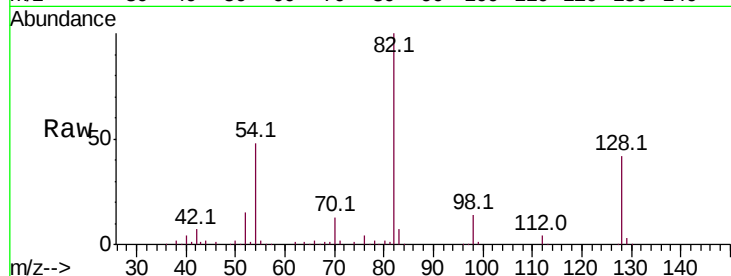
Tot Ion: 82 Resp: 155321

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

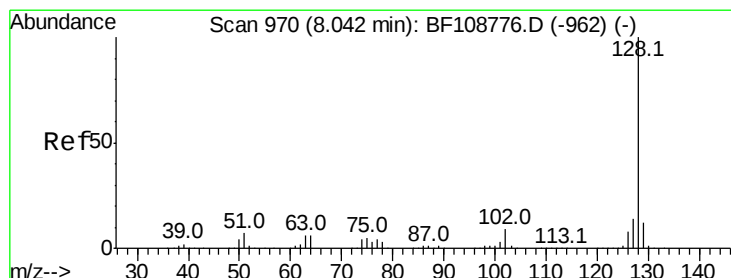
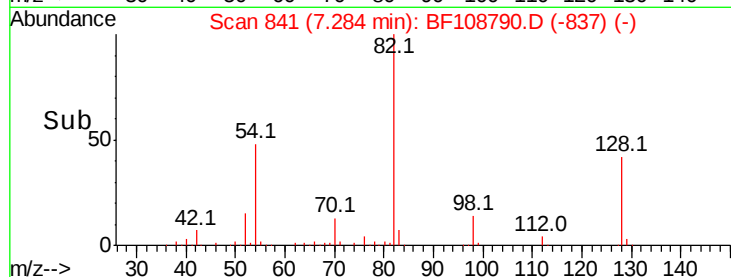
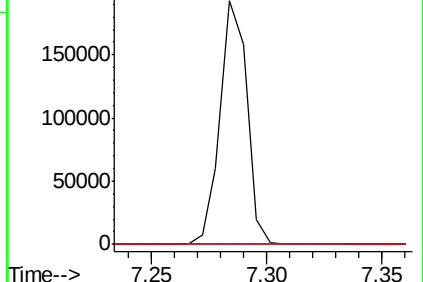
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.008 ng

RT: 8.04 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

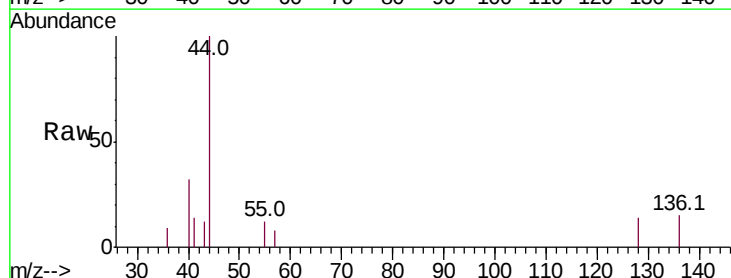
Tgt Ion:128 Resp: 346

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

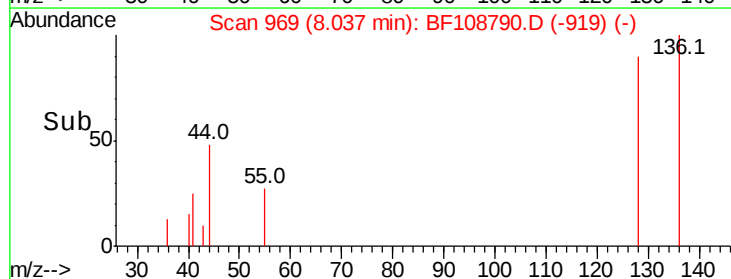
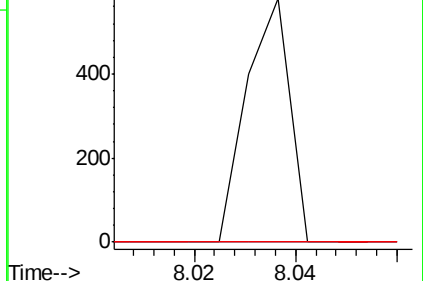
127 0.0 10.9 16.3#

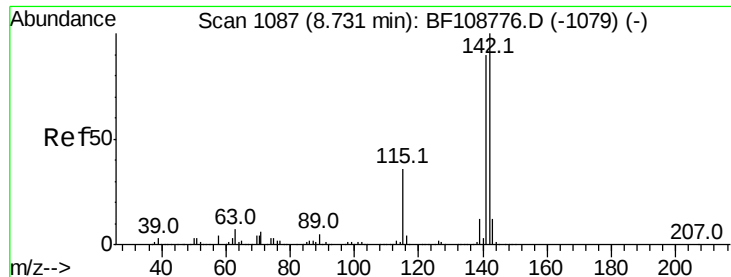


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 0.004 ng

RT: 8.72 min Scan# 1086

Delta R.T. -0.01 min

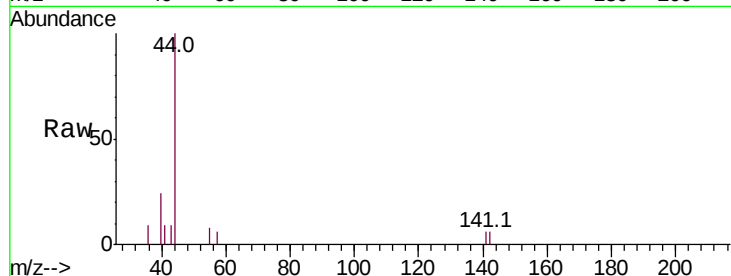
Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 113

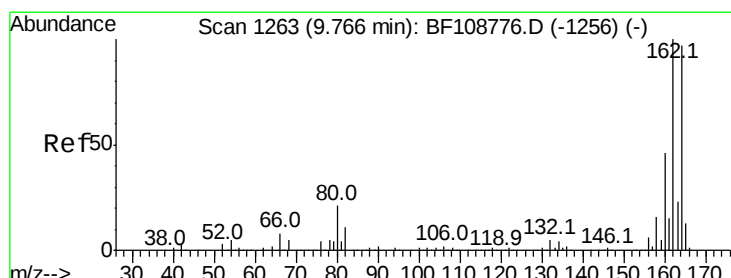
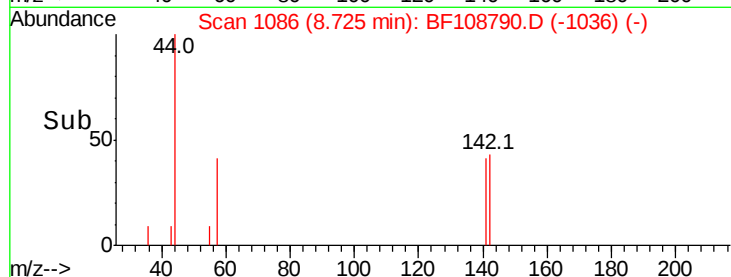
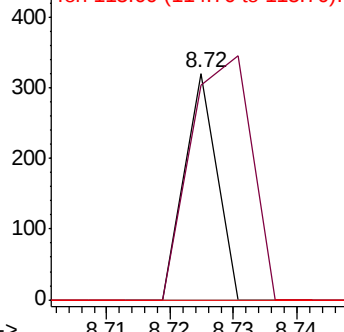
Ion	Ratio	Lower	Upper
142	100		
141	94.7	70.8	106.2
115	0.0	26.1	39.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1263

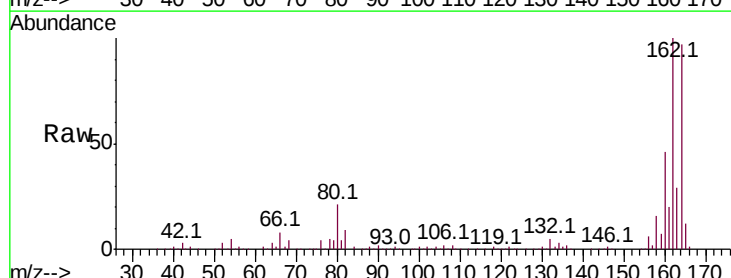
Delta R.T. 0.00 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Tgt Ion:164 Resp: 408683

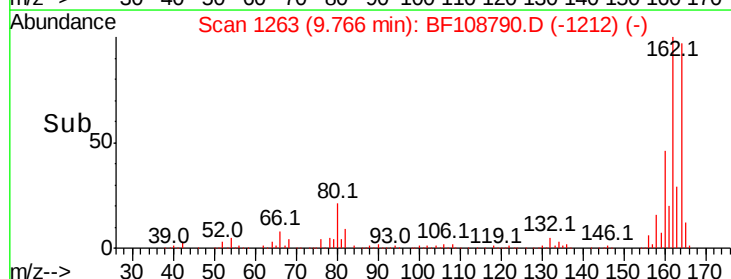
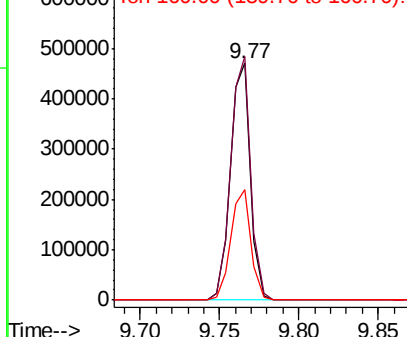
Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	46.9	38.3	57.5

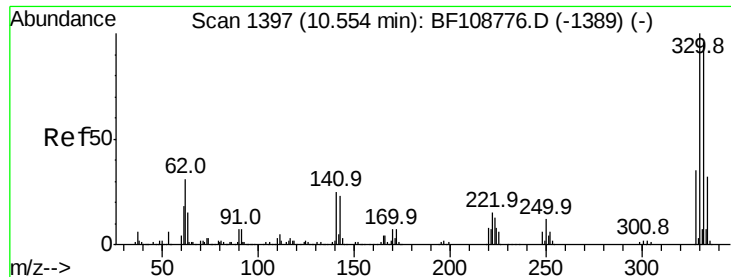


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

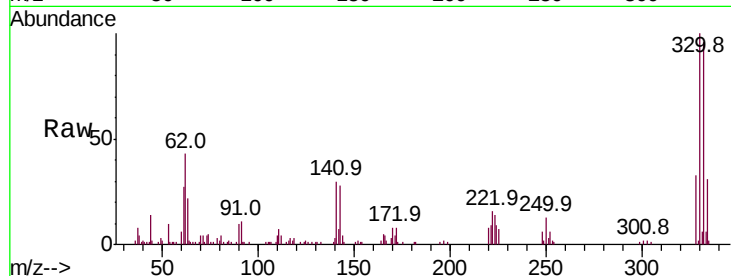




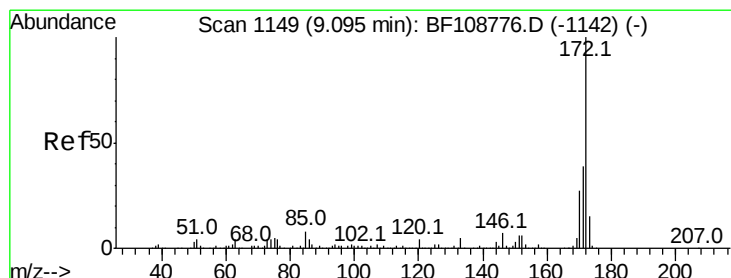
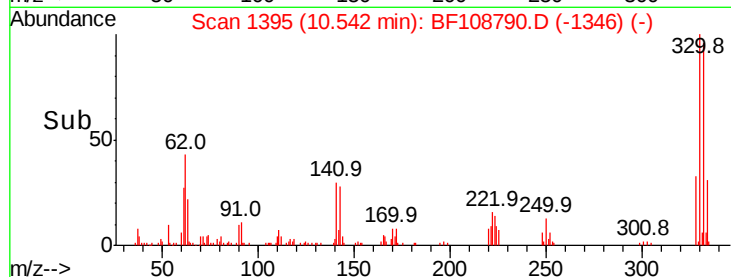
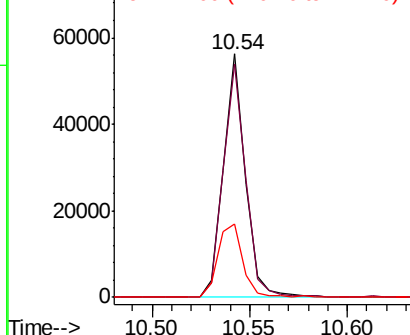
#41
 2,4,6-Tribromophenol
 Concen: 11.274 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	34.3	29.9	44.9

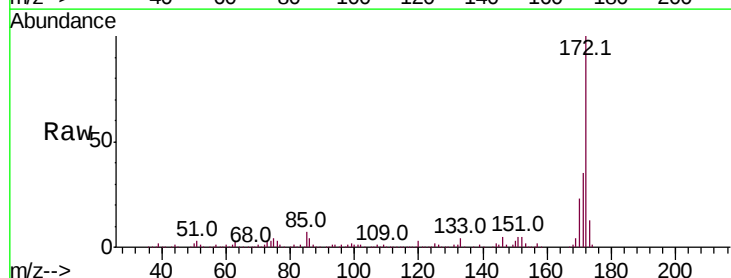


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

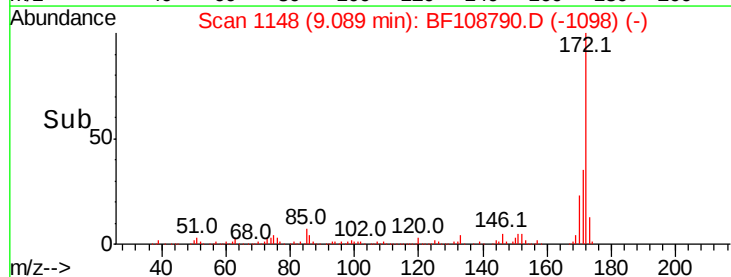
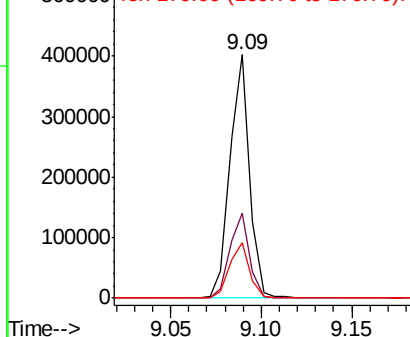


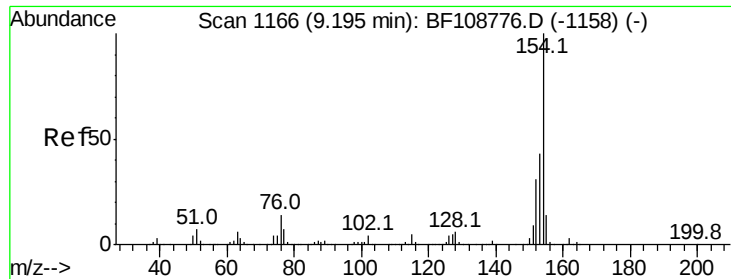
#44
 2-Fluorobiphenyl
 Concen: 12.723 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.0	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: 0.015 ng

RT: 9.18 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

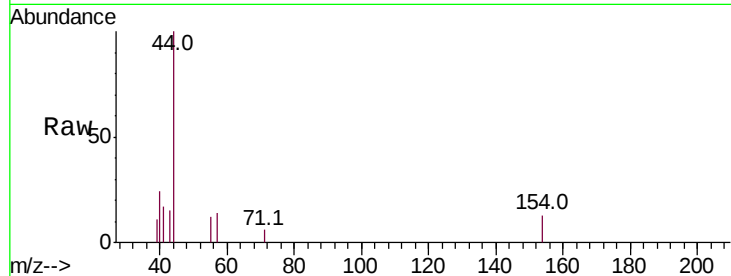
Tot Ion:154 Resp: 473

Ion Ratio Lower Upper

154 100

153 0.0 21.3 61.3#

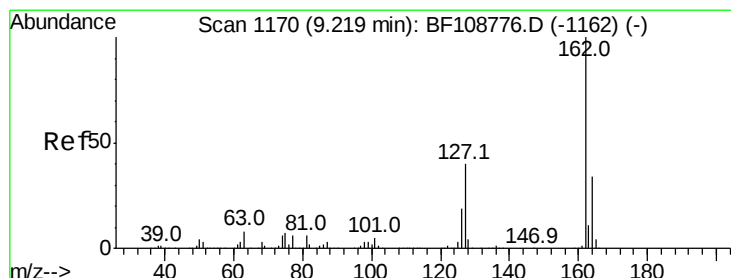
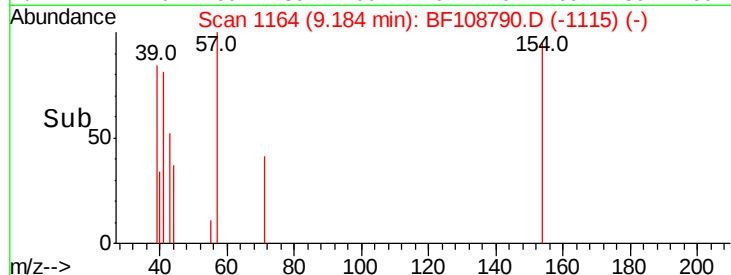
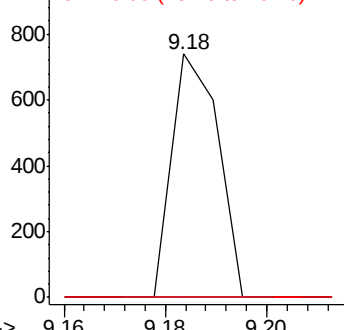
76 0.0 0.0 34.0



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: 0.016 ng

RT: 9.48 min Scan# 1215

Delta R.T. 0.26 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

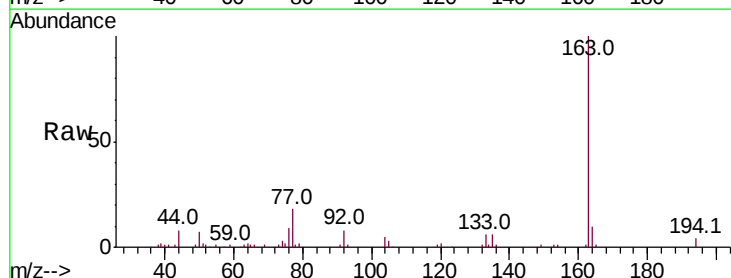
Tgt Ion:162 Resp: 397

Ion Ratio Lower Upper

162 100

127 0.0 33.9 50.9#

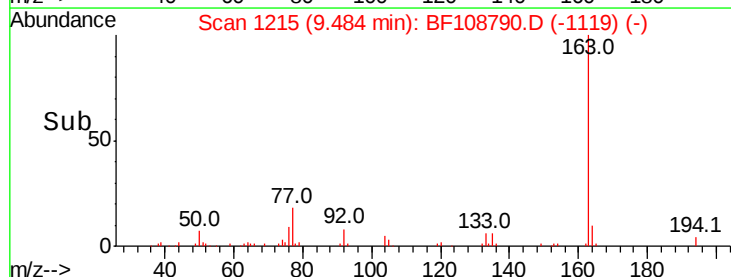
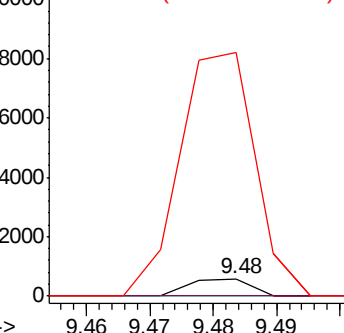
164 1394.6 26.5 39.7#

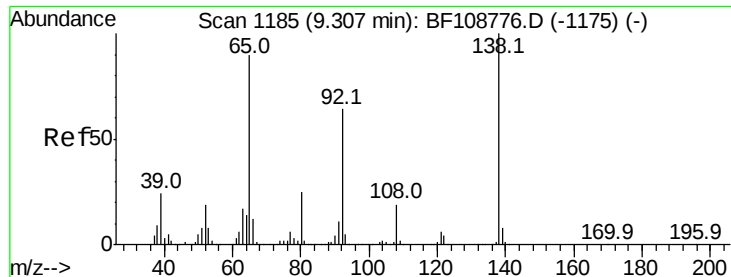


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

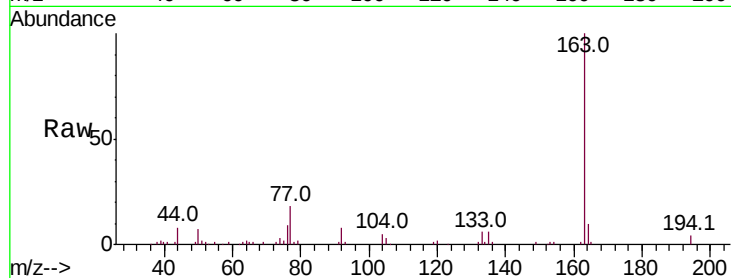




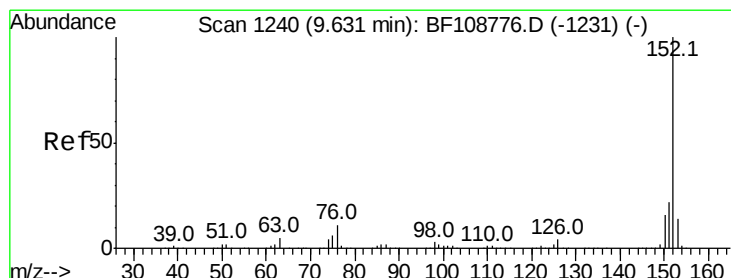
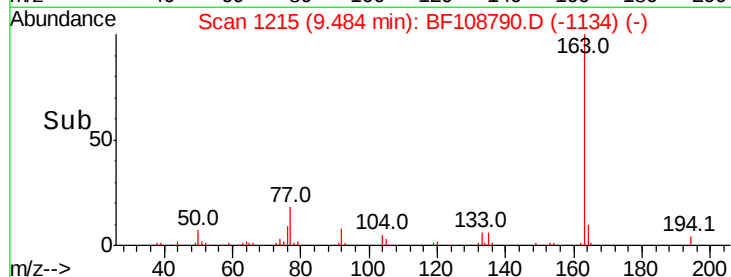
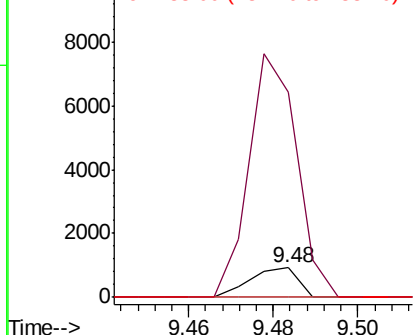
#47
2-Nitroaniline
Concen: 0.103 ng
RT: 9.48 min Scan# 1215
Delta R.T. 0.18 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampled :

Tot Ion: 65 Resp: 717
Ion Ratio Lower Upper
65 100
92 699.5 55.8 83.6#
138 0.0 91.2 136.8#

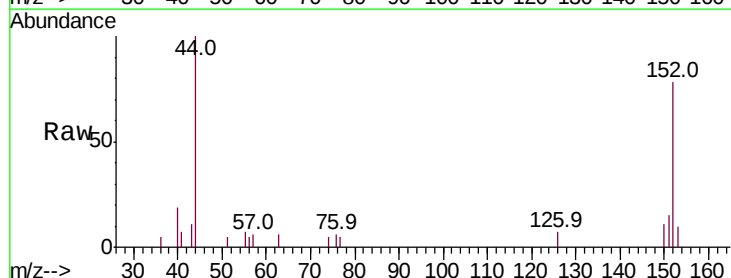


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

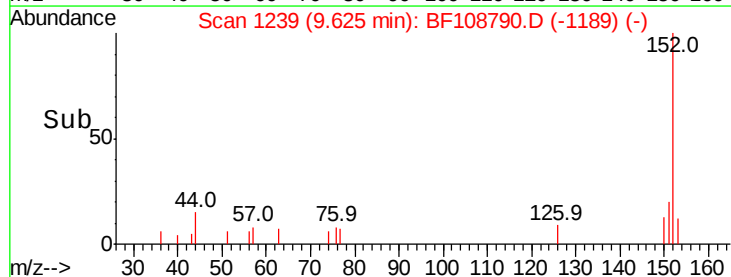
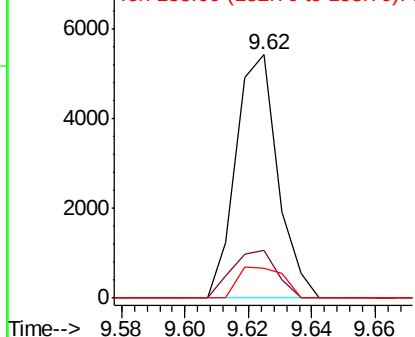


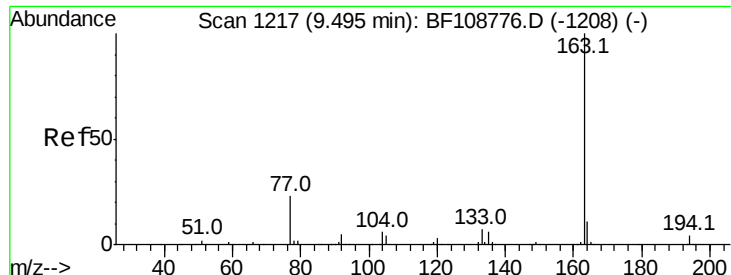
#48
Acenaphthylene
Concen: 0.131 ng
RT: 9.62 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion: 152 Resp: 4959
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 12.2 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: 2.468 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampled :

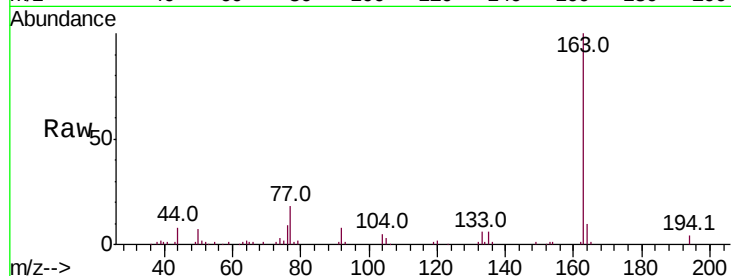
Tot Ion:163 Resp: 70552

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

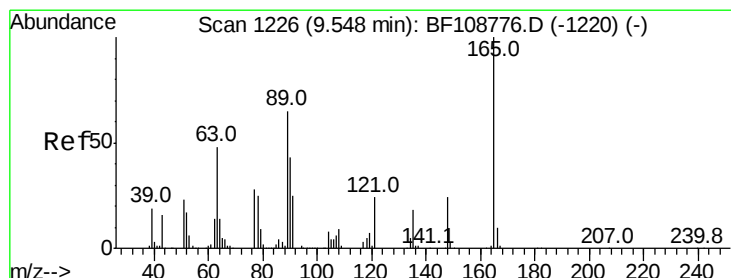
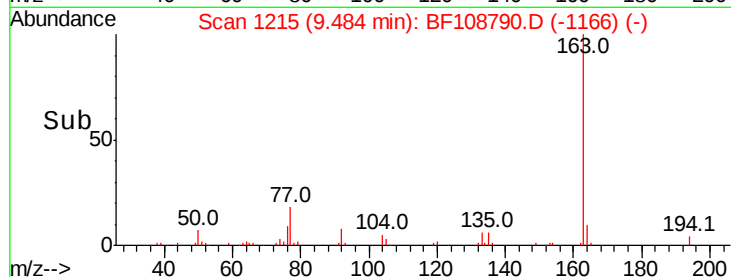
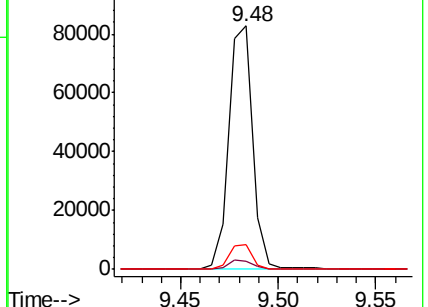
164 9.9 8.2 12.2



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: 9.620 ng

RT: 9.77 min Scan# 1263

Delta R.T. 0.22 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

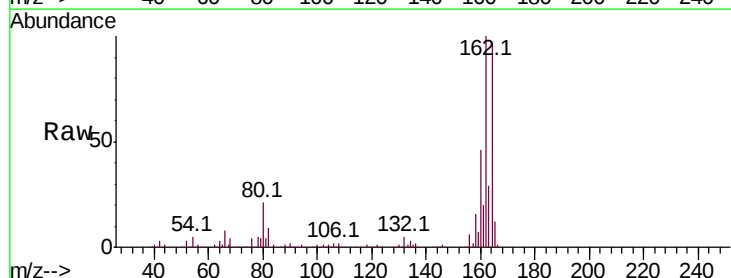
Tgt Ion:165 Resp: 52397

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

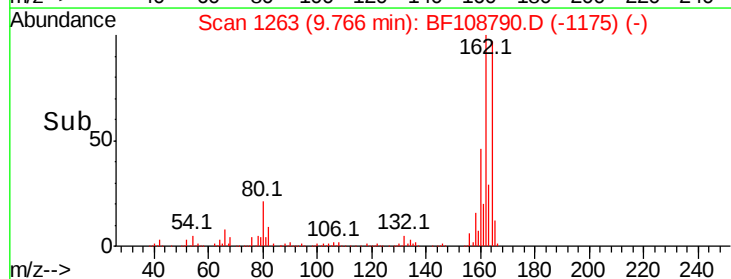
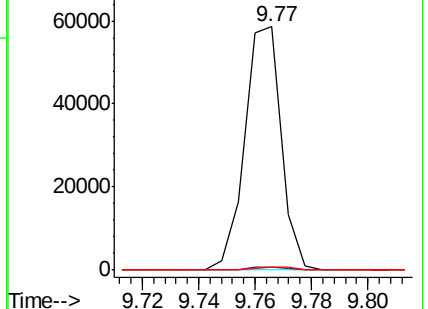
89 1.5 44.0 66.0#

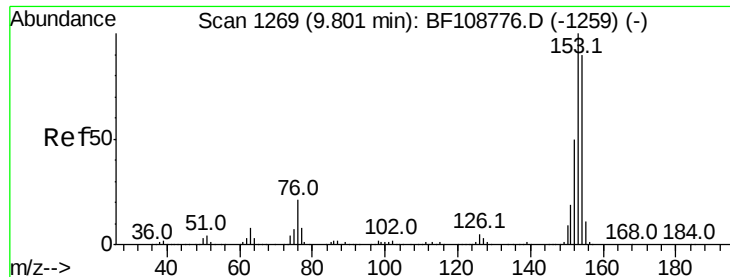


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 0.037 ng

RT: 9.80 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampled :

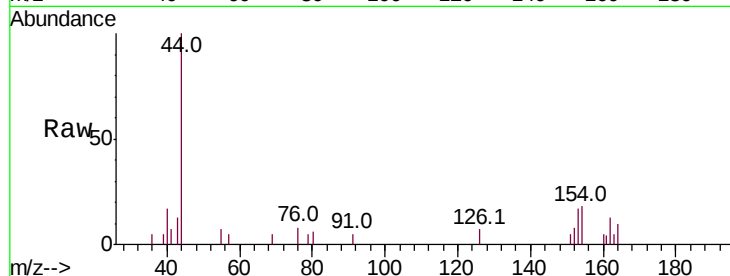
Tot Ion:154 Resp: 866

Ion Ratio Lower Upper

154 100

153 94.8 91.2 136.8

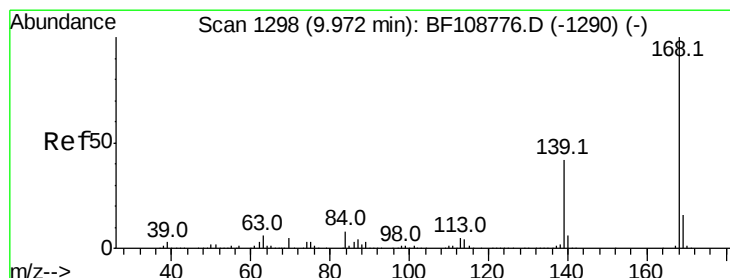
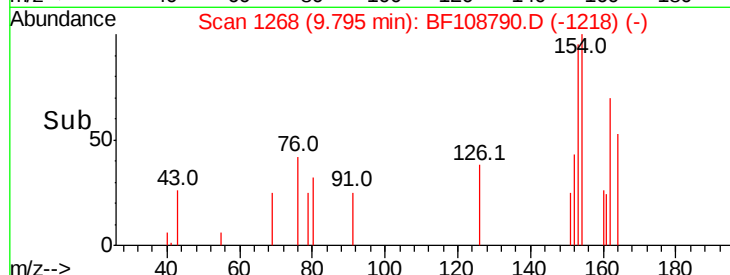
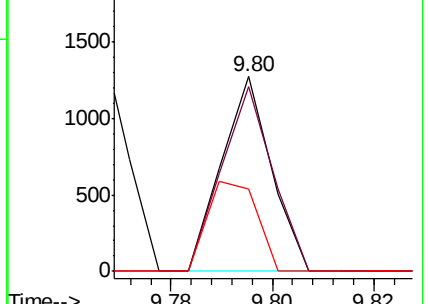
152 42.6 43.8 65.8#



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



#54

Dibenzofuran

Concen: 0.016 ng

RT: 9.97 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

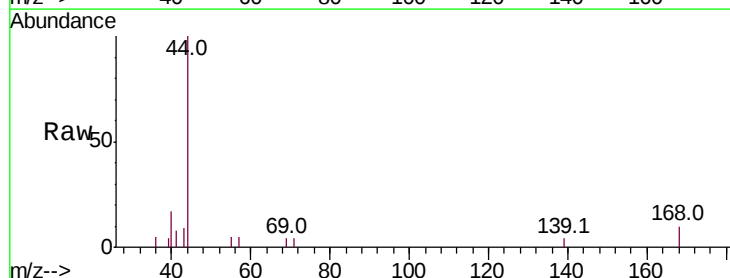
Tgt Ion:168 Resp: 546

Ion Ratio Lower Upper

168 100

139 45.0 30.1 45.1

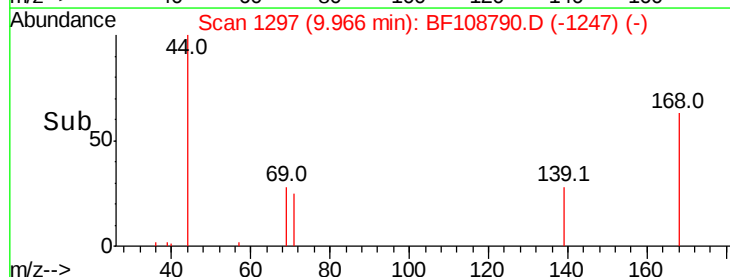
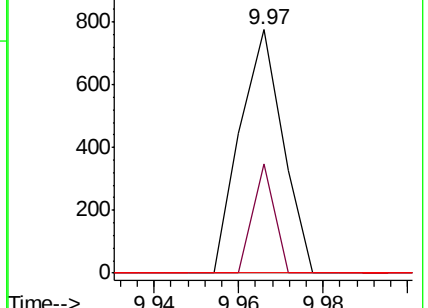
169 0.0 10.9 16.3#

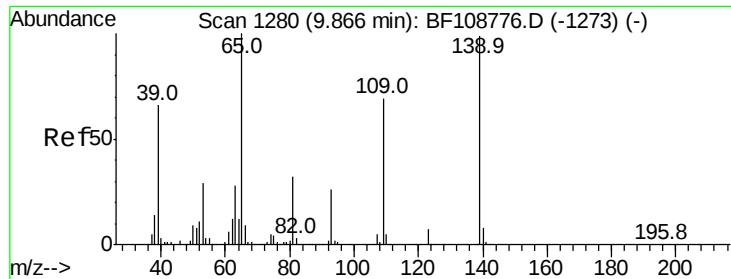


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

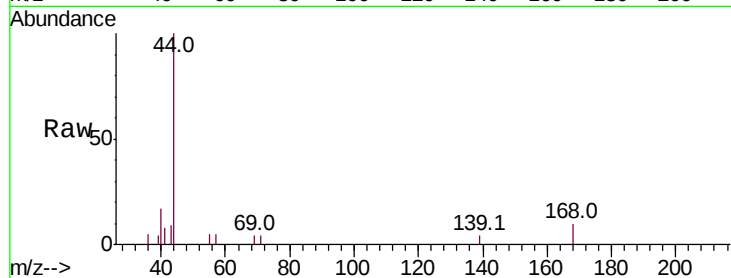




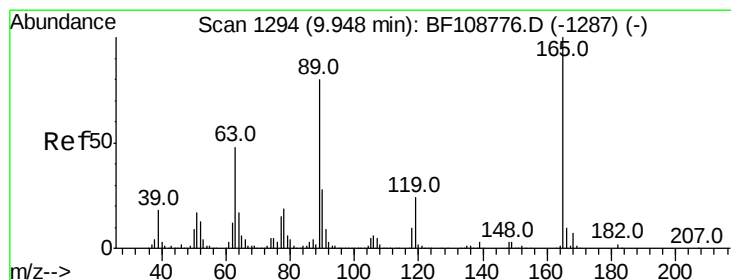
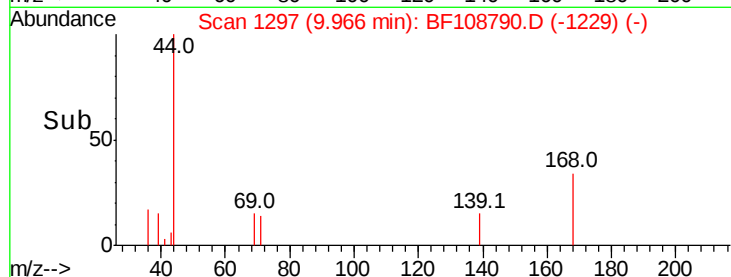
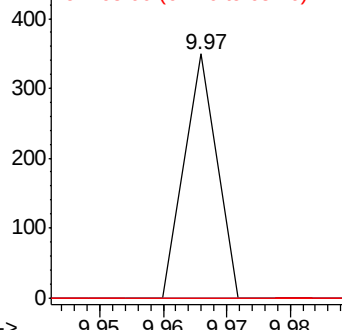
#55
4-Nitrophenol
Concen: 0.025 ng
RT: 9.97 min Scan# 1297
Delta R.T. 0.10 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

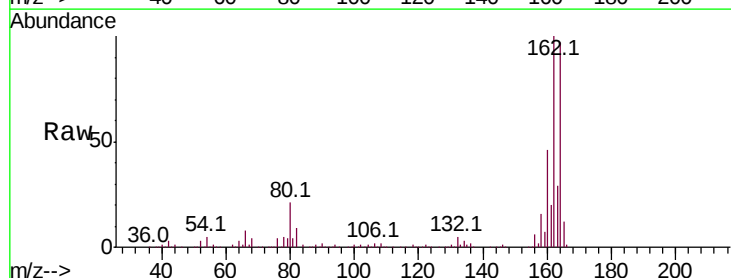


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

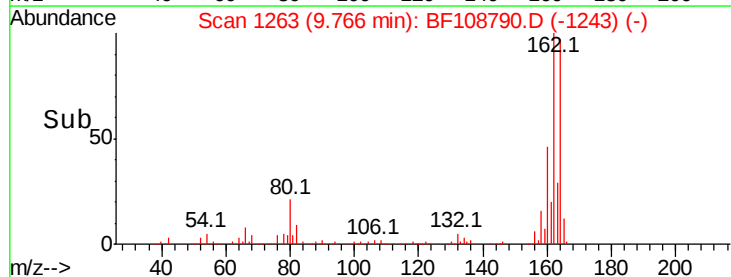
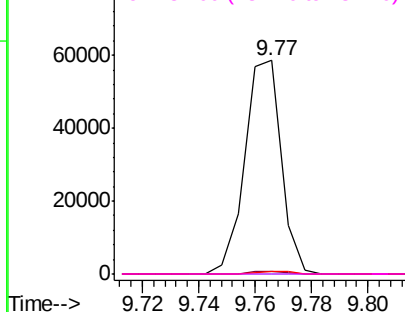


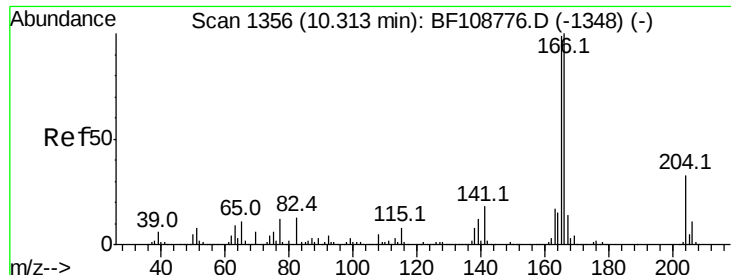
#56
2,4-Dinitrotoluene
Concen: 7.522 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

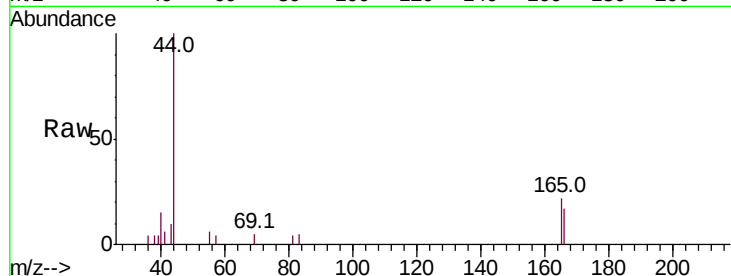




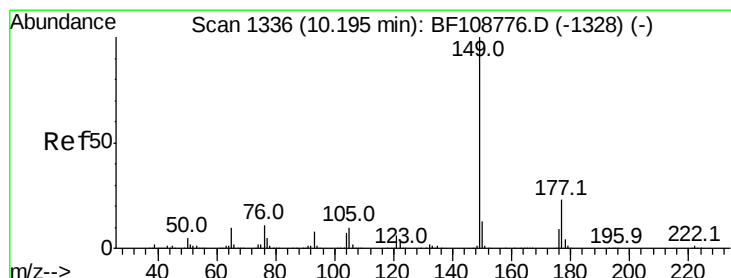
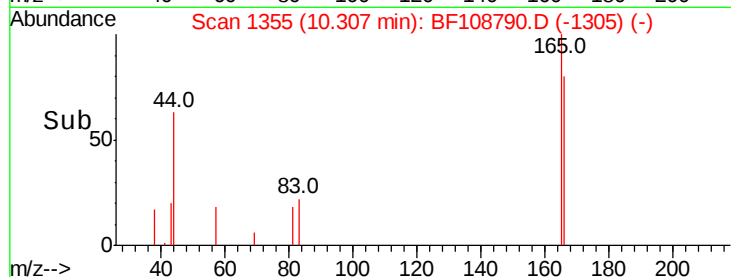
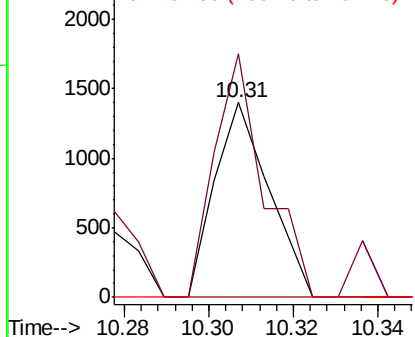
#57
Fluorene
Concen: 0.057 ng
RT: 10.31 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:166 Resp: 1251
Ion Ratio Lower Upper
166 100
165 125.0 79.8 119.8#
167 0.0 10.6 16.0#

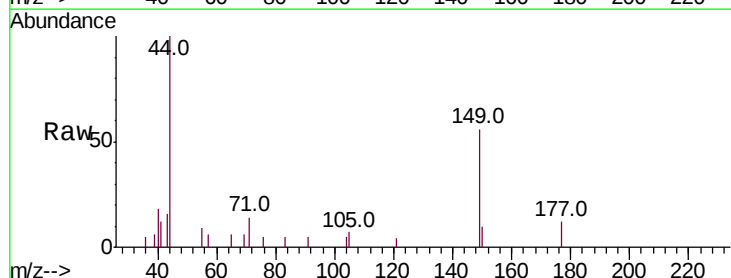


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

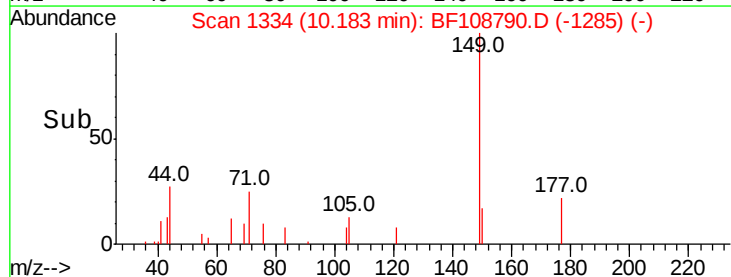
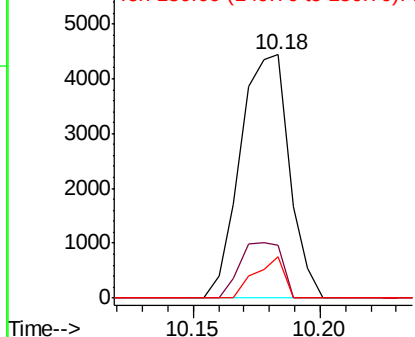


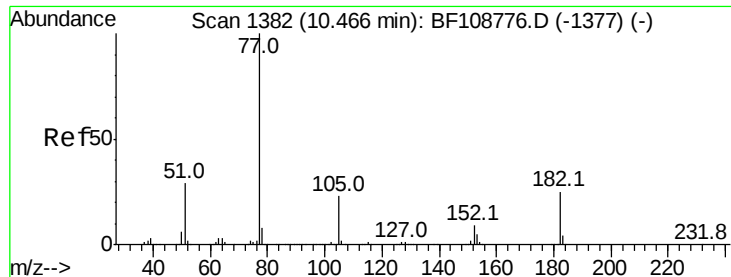
#59
Diethylphthalate
Concen: 0.203 ng
RT: 10.18 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion:149 Resp: 5989
Ion Ratio Lower Upper
149 100
177 21.6 16.1 24.1
150 17.3 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





#62

Azobenzene

Concen: 0.008 ng

RT: 10.50 min Scan# 1388

Delta R.T. 0.04 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 243

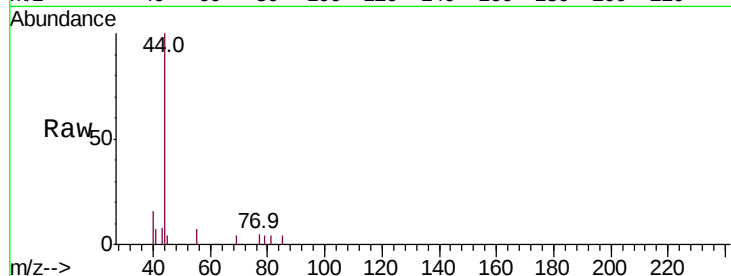
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 0.0 3.0 43.0#

51 0.0 9.9 49.9#

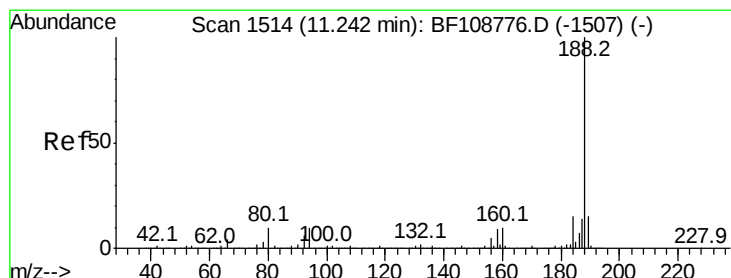
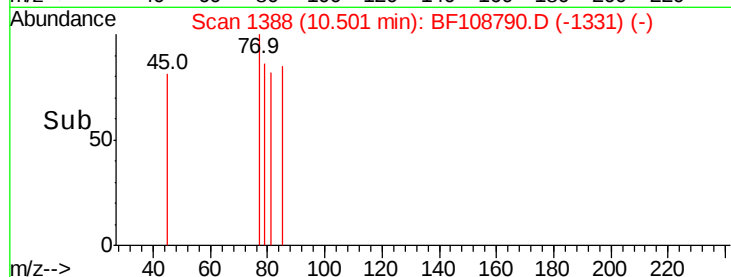
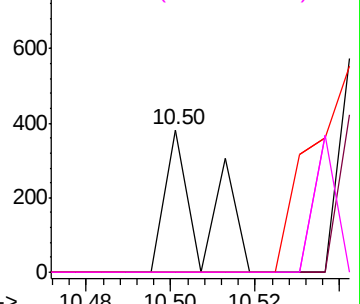


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

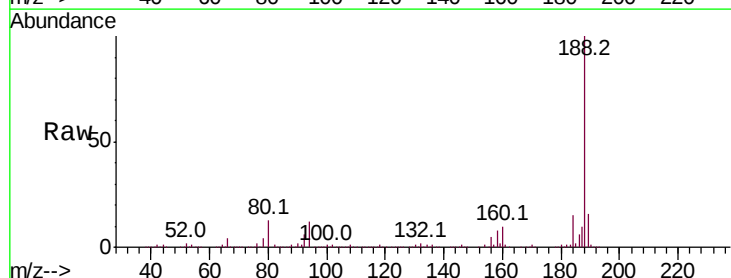
Tgt Ion: 188 Resp: 668861

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

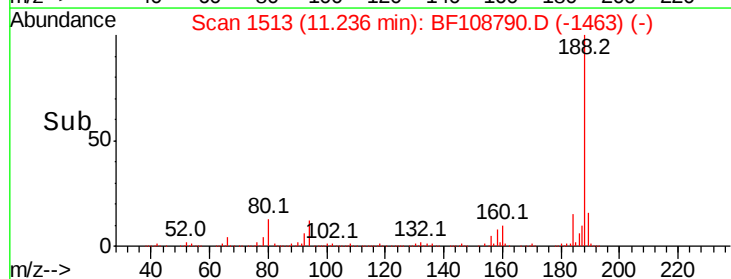
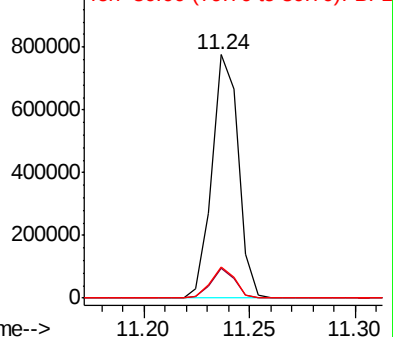
80 12.7 9.2 13.8

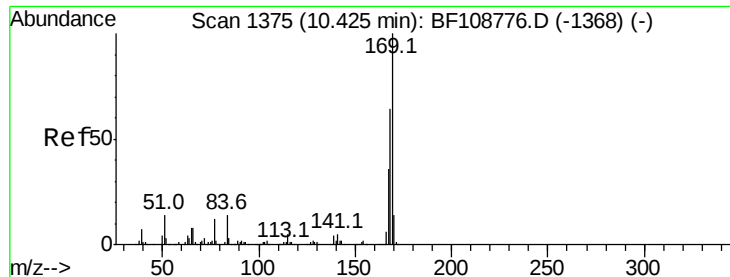


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

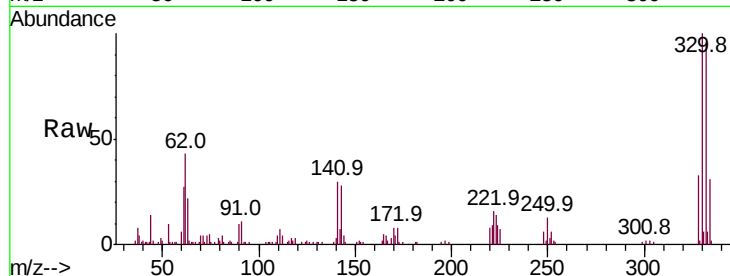




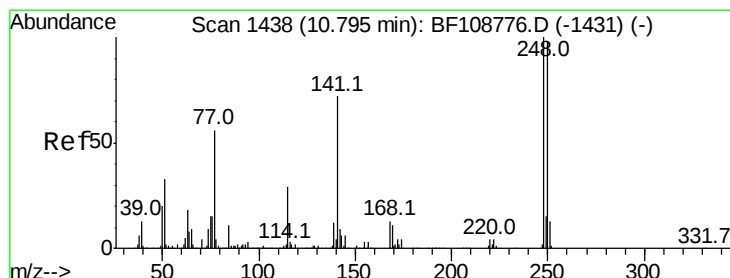
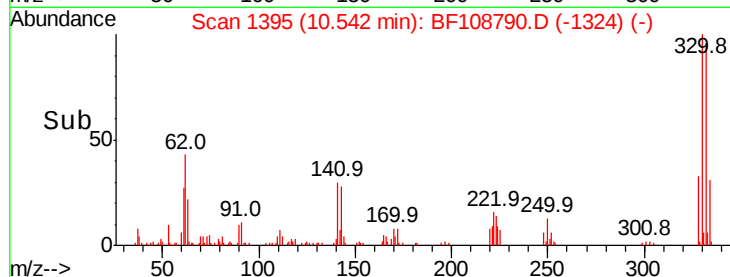
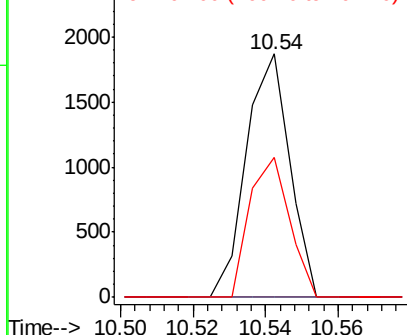
#65
n-Nitrosodiphenylamine
Concen: 0.070 ng
RT: 10.54 min Scan# 1395
Delta R.T. 0.12 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:169 Resp: 1548
Ion Ratio Lower Upper
169 100
168 0.0 54.4 81.6#
167 57.6 29.8 44.6#

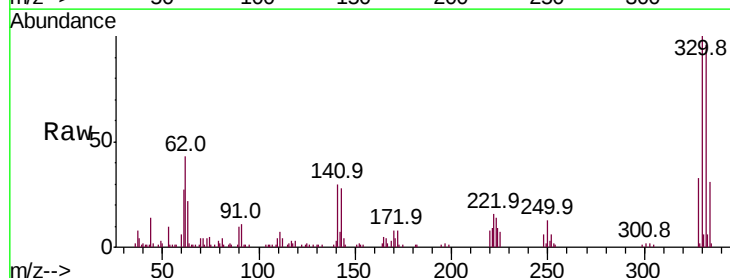


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

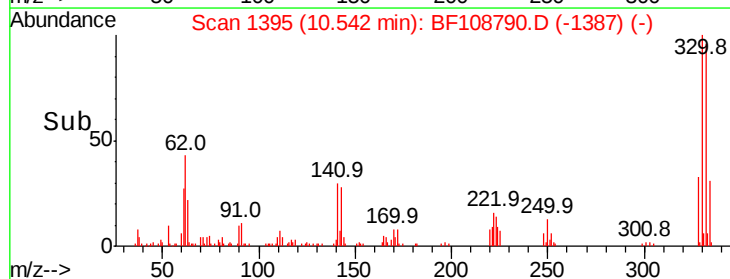
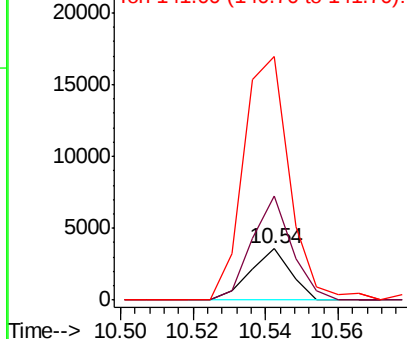


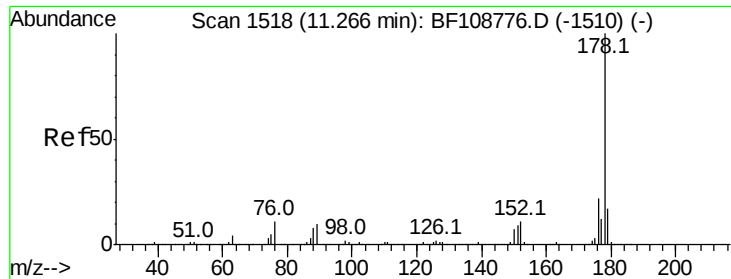
#66
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.25 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion:248 Resp: 2787
Ion Ratio Lower Upper
248 100
250 203.6 76.9 115.3#
141 475.4 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: 0.798 ng

RT: 11.26 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

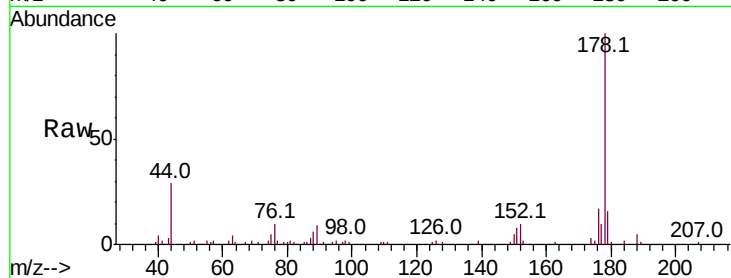
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 25497

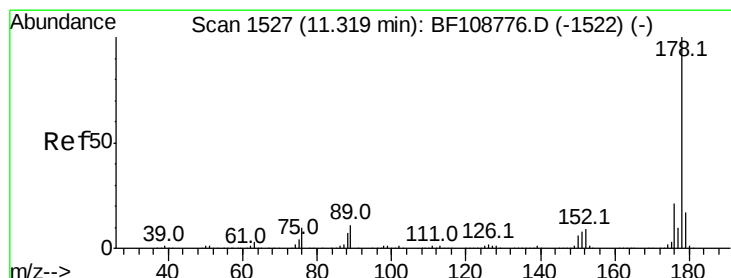
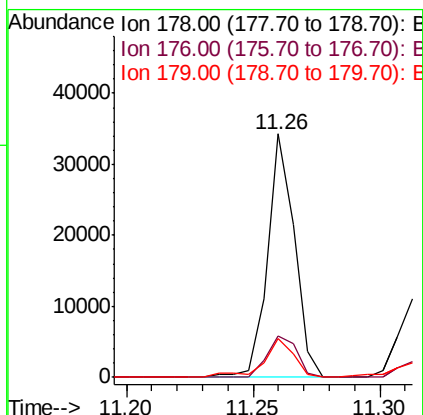
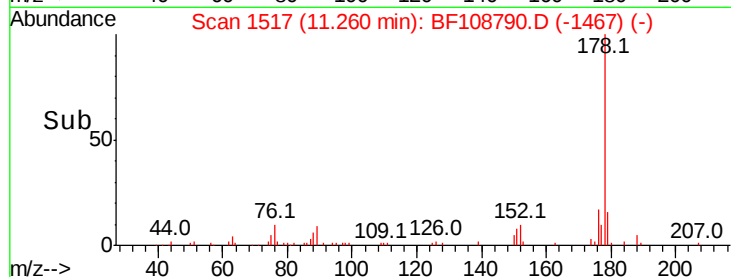
Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	15.7	13.0	19.6



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: 0.272 ng

RT: 11.31 min Scan# 1526

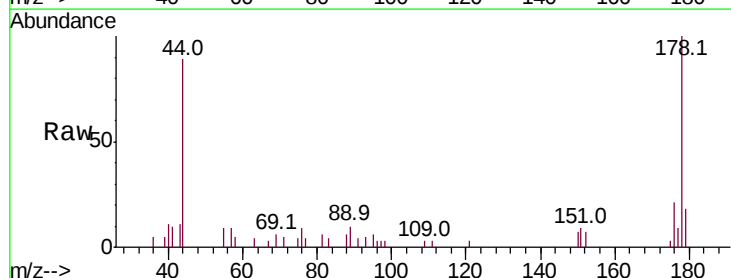
Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Tgt Ion:178 Resp: 8326

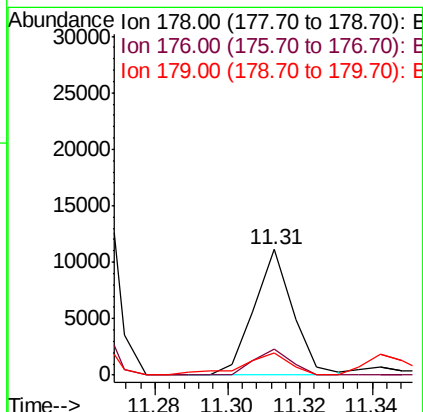
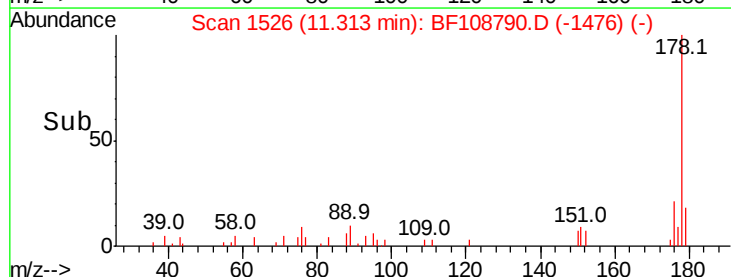
Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.4	23.2
179	17.9	12.6	19.0

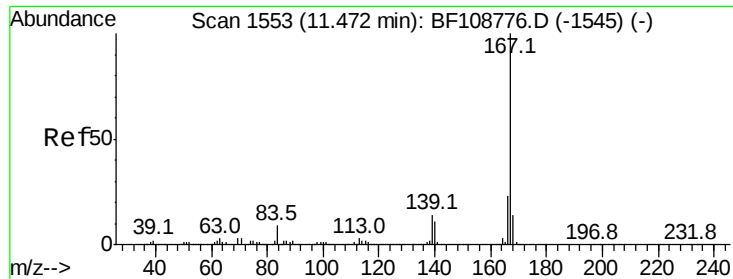


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

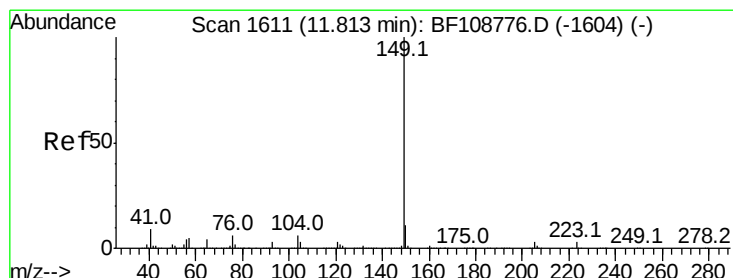
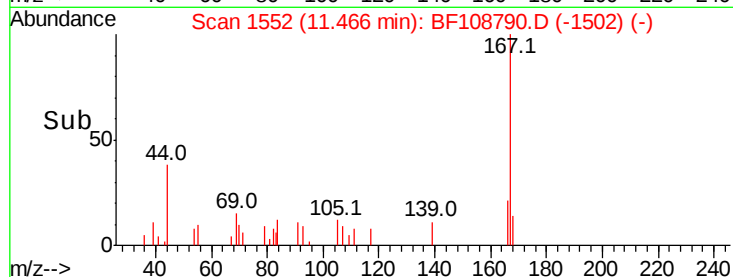
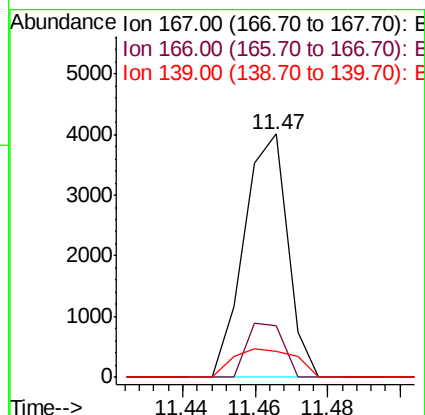
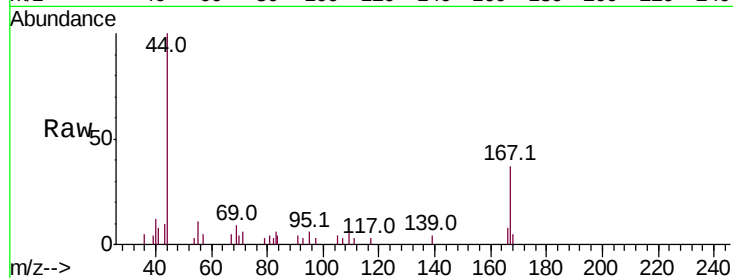




#72
 Carbazole
 Concen: 0.103 ng
 RT: 11.47 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

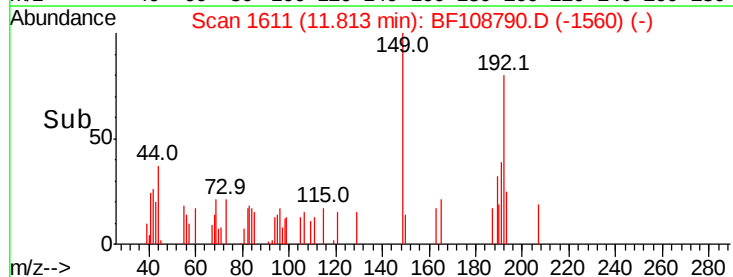
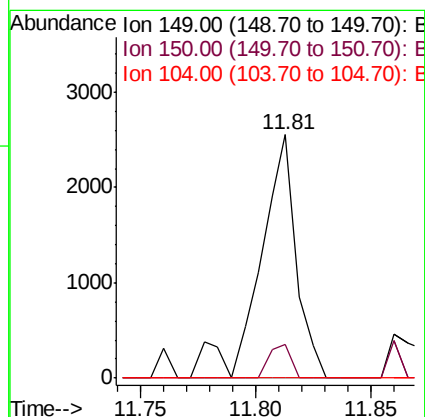
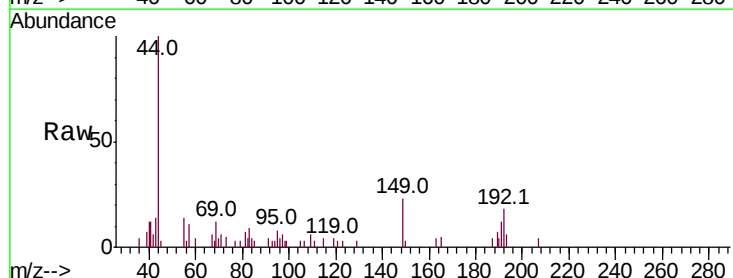
Instrument :
 BNA_F
 ClientSampleId :

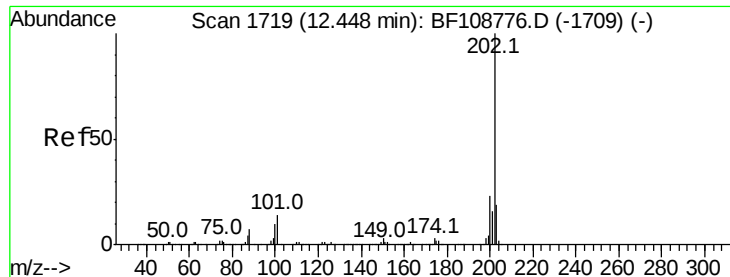
Tot Ion:167 Resp: 3333
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 10.9 10.9 16.3#



#73
 Di-n-butylphthalate
 Concen: 0.079 ng
 RT: 11.81 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

Tgt Ion:149 Resp: 2836
 Ion Ratio Lower Upper
 149 100
 150 13.7 7.8 11.6#
 104 0.0 3.8 5.8#





#74

Fluoranthene

Concen: 2.381 ng

RT: 12.44 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

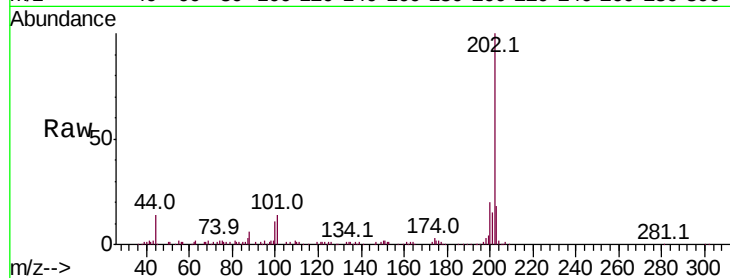
Tot Ion:202 Resp: 75314

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

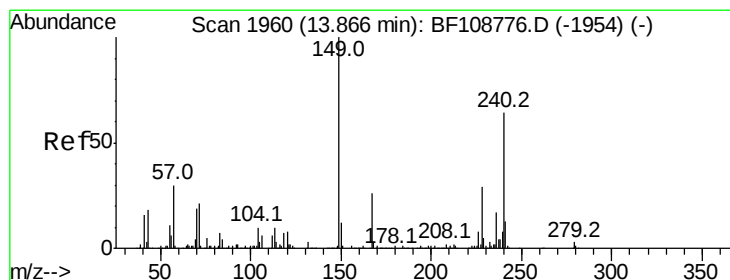
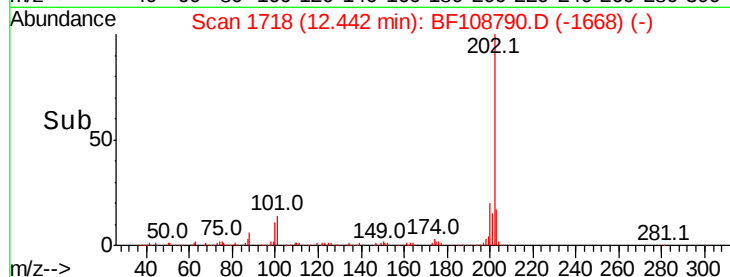
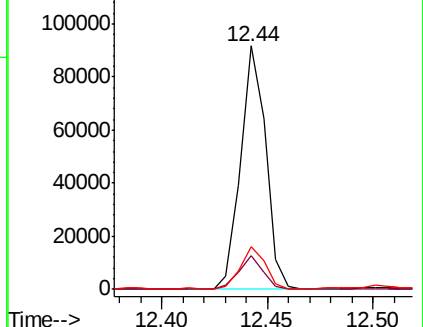
203 17.6 0.0 38.1



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: BF108790.D

Acq: 5 Sep 2018 22:34

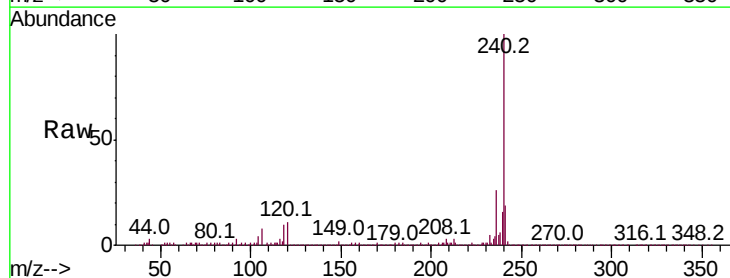
Tgt Ion:240 Resp: 598316

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

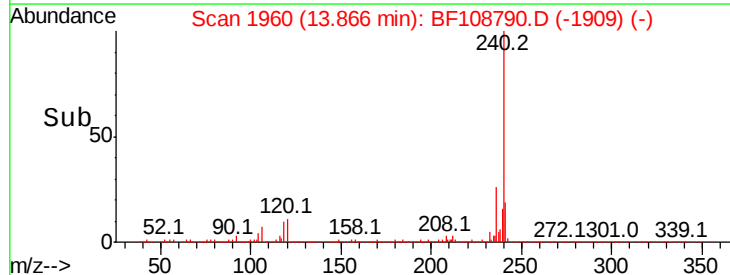
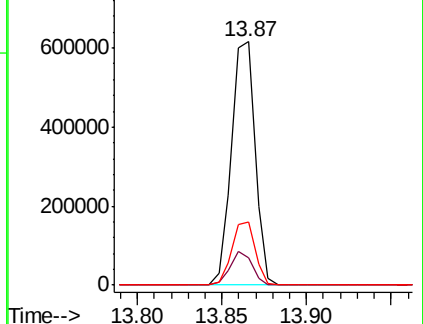
236 25.8 20.7 31.1

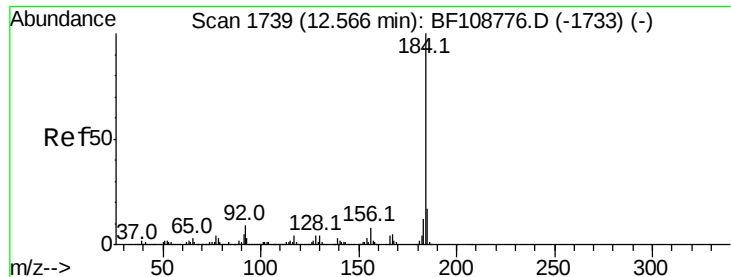


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.026 ng

RT: 12.55 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

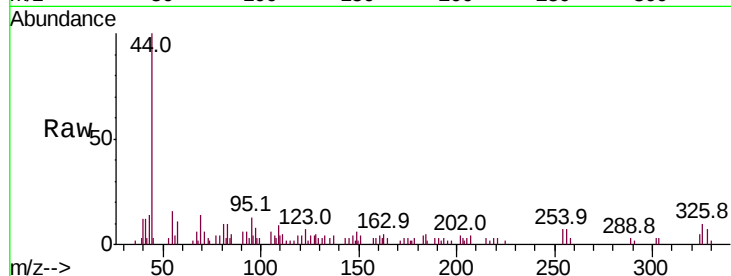
Tot Ion:184 Resp: 742

Ion Ratio Lower Upper

184 100

185 44.3 12.6 18.8#

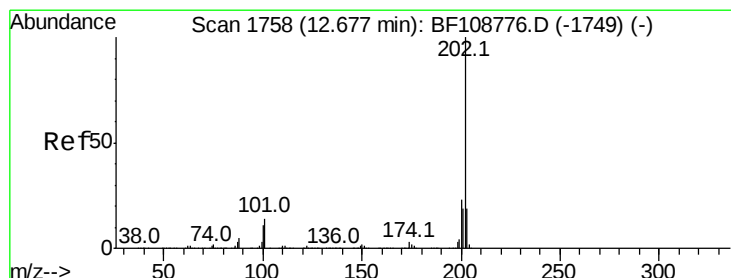
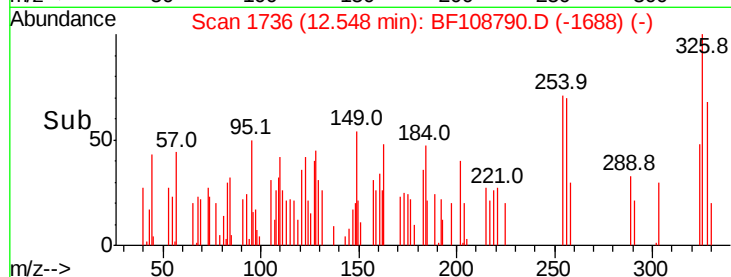
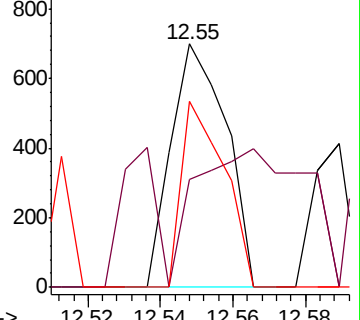
183 76.4 9.3 13.9#



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

Pyrene

Concen: 1.456 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

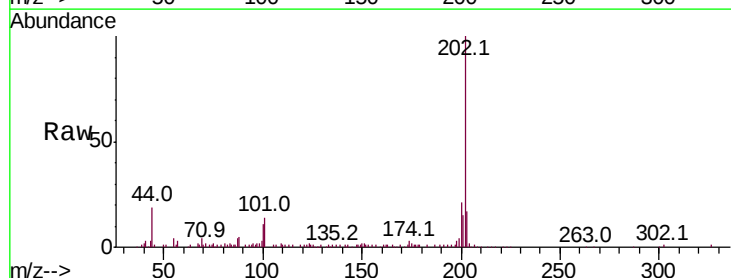
Tgt Ion:202 Resp: 67020

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

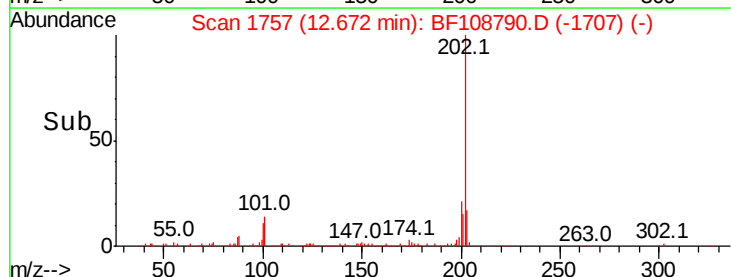
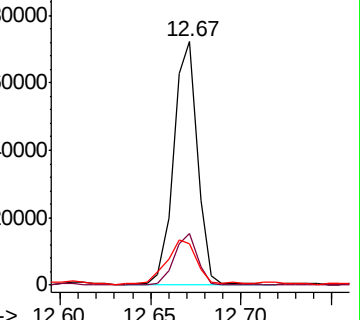
203 17.0 14.3 21.5

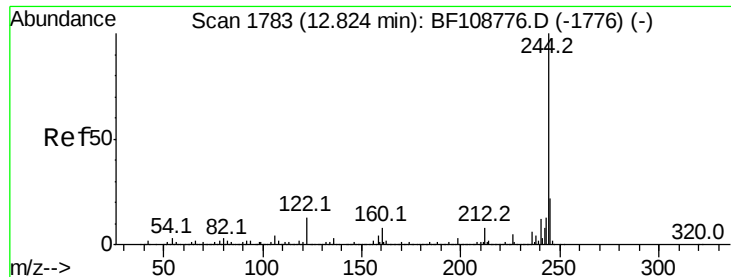


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.781 ng

RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

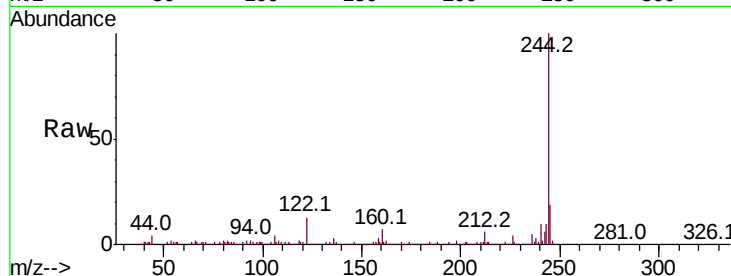
Tot Ion:244 Resp: 250965

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

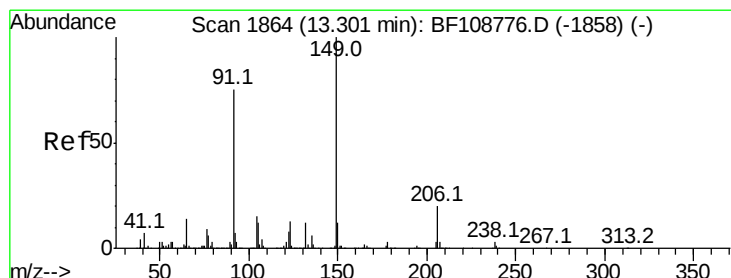
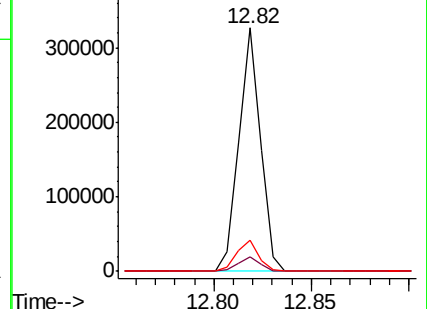
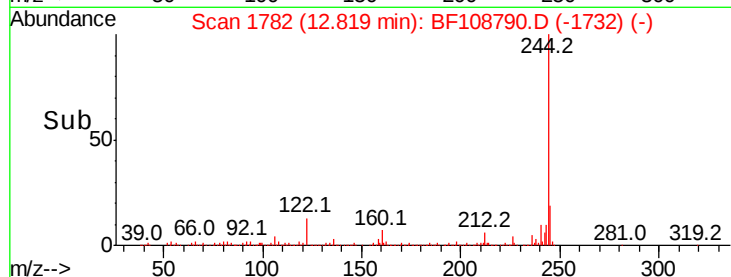
122 12.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.036 ng

RT: 13.30 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

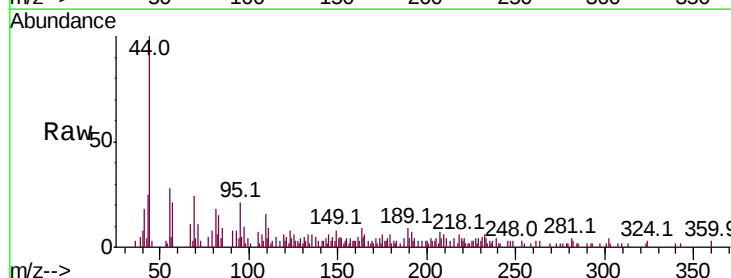
Tgt Ion:149 Resp: 749

Ion Ratio Lower Upper

149 100

91 98.1 56.8 85.2#

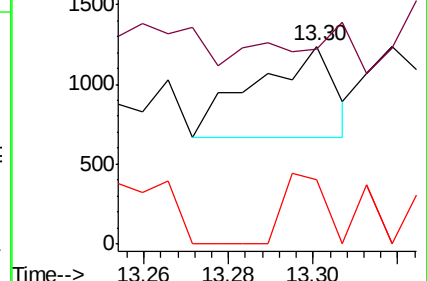
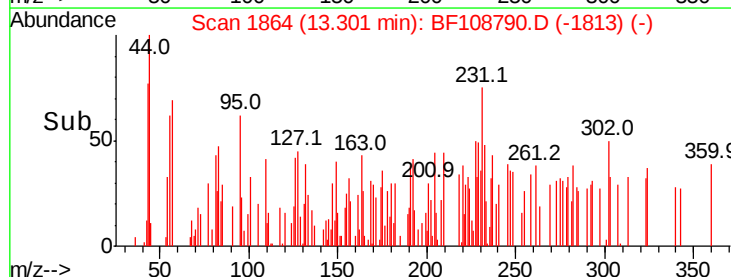
206 32.4 14.1 21.1#

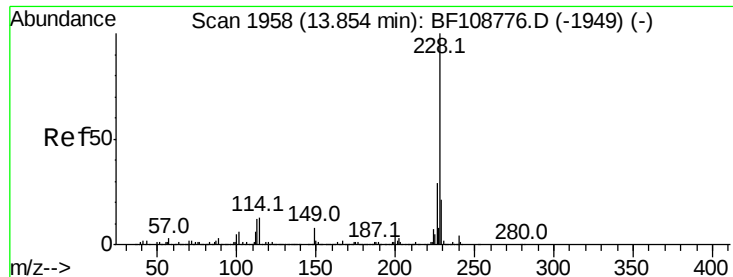


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.045 ng

RT: 13.85 min Scan# 1958

Delta R.T. 0.00 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampled :

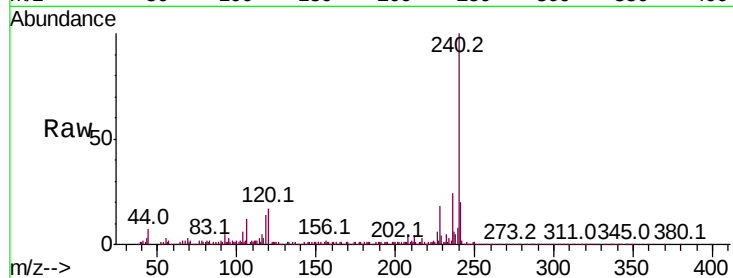
Tot Ion:228 Resp: 40062

Ion Ratio Lower Upper

228 100

226 32.2 22.6 33.8

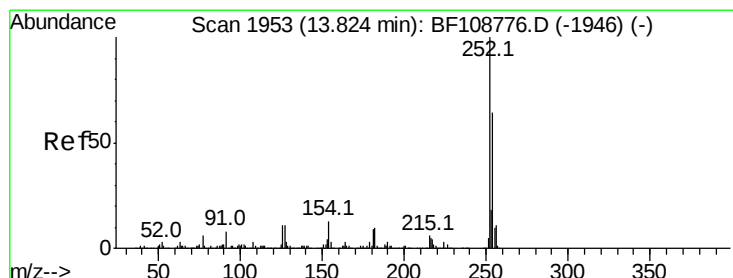
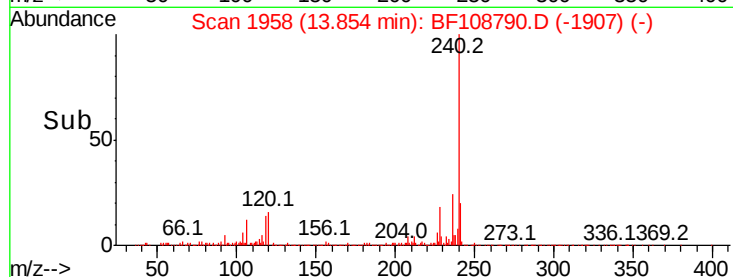
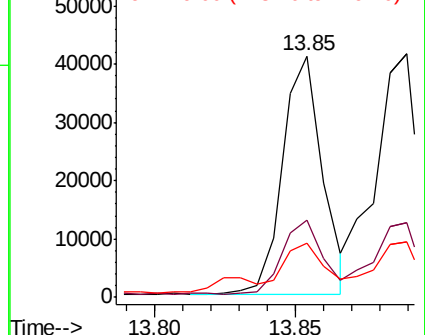
229 22.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.035 ng

RT: 13.84 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

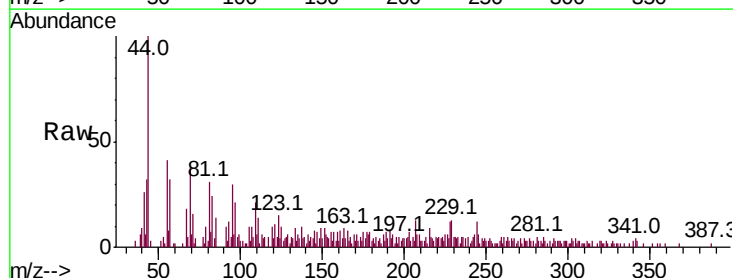
Tgt Ion:252 Resp: 518

Ion Ratio Lower Upper

252 100

254 46.4 50.4 75.6#

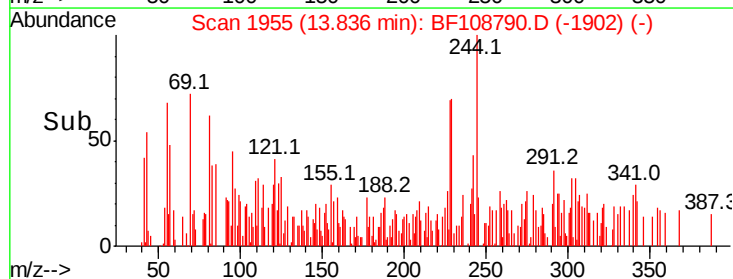
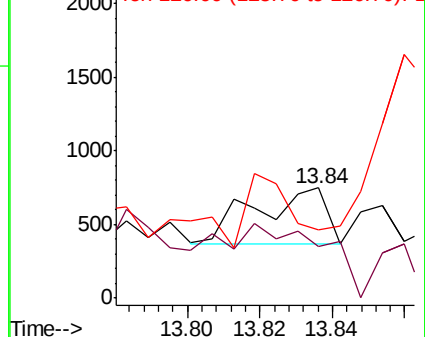
126 62.6 11.3 16.9#

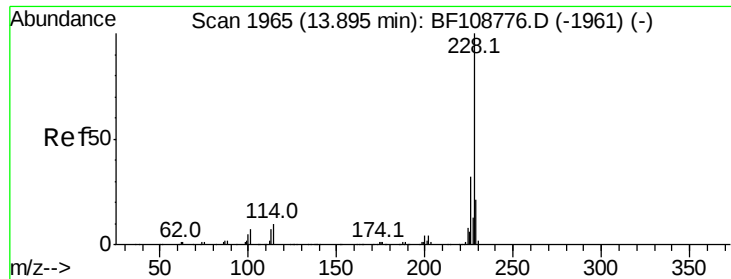


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

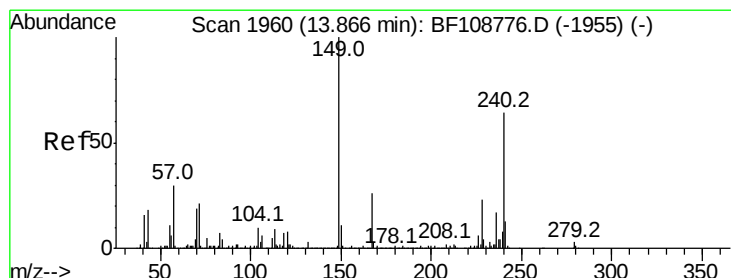
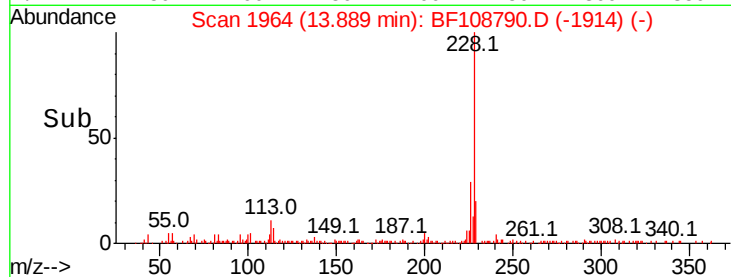
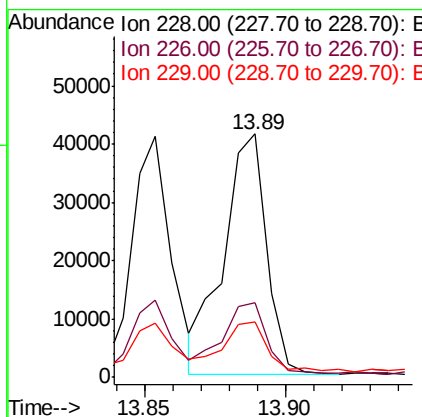
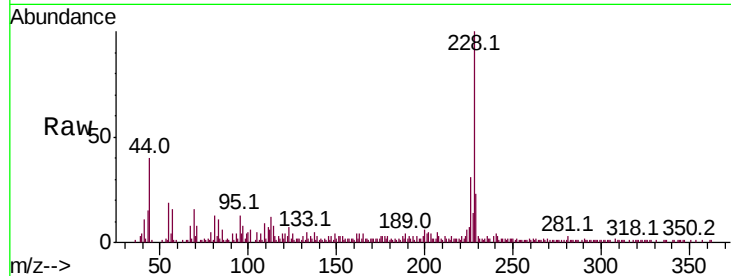




#82
 Chrysene
 Concen: 1.182 ng
 RT: 13.89 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

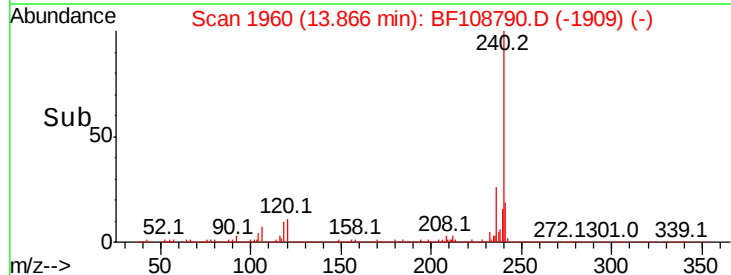
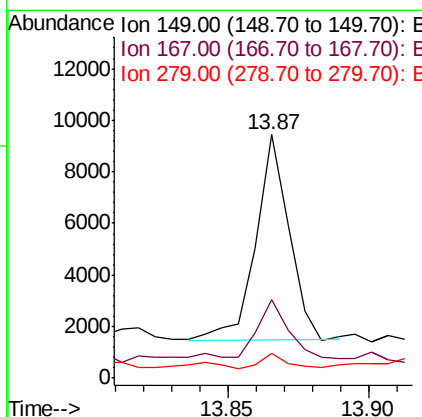
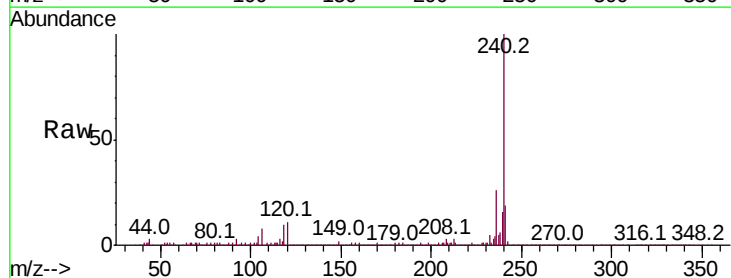
Instrument :
 BNA_F
 ClientSampled :

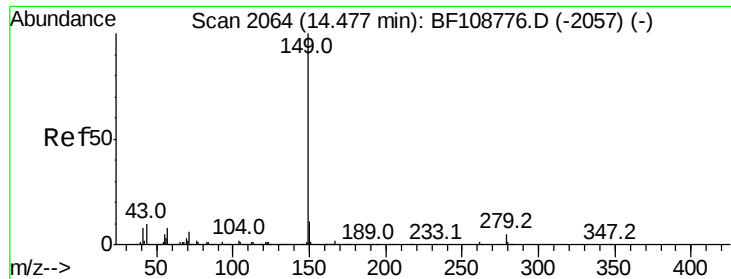
Tot Ion:228 Resp: 43897
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.0 37.6
 229 22.6 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.250 ng
 RT: 13.87 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: BF108790.D
 Acq: 5 Sep 2018 22:34

Tgt Ion:149 Resp: 6523
 Ion Ratio Lower Upper
 149 100
 167 32.1 21.3 31.9#
 279 10.3 3.0 4.4#

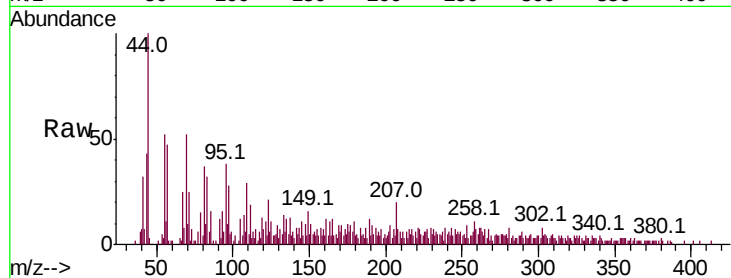




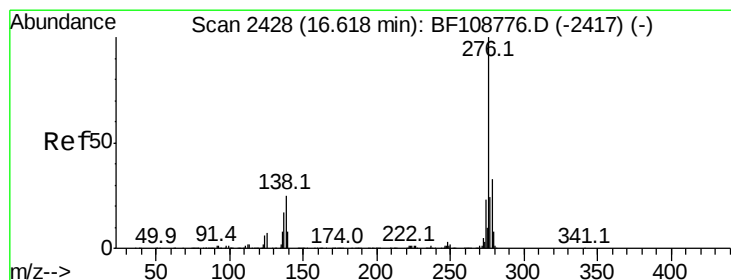
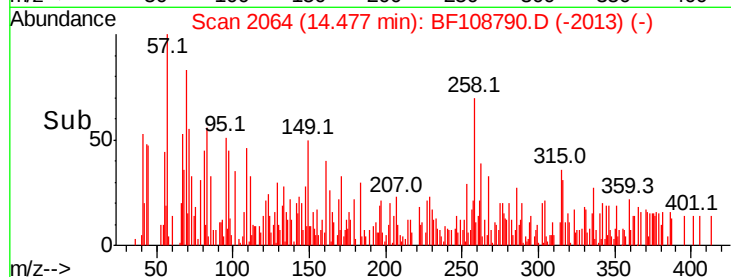
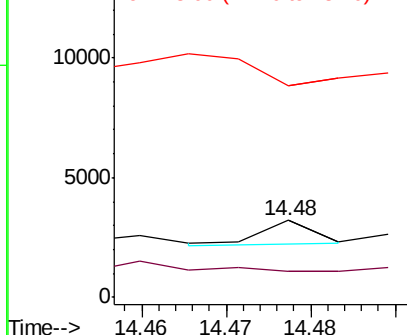
#84
Di-n-octyl phthalate
Concen: 0.009 ng
RT: 14.48 min Scan# 2064
Delta R.T. 0.00 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	0.0	8.4	12.6#

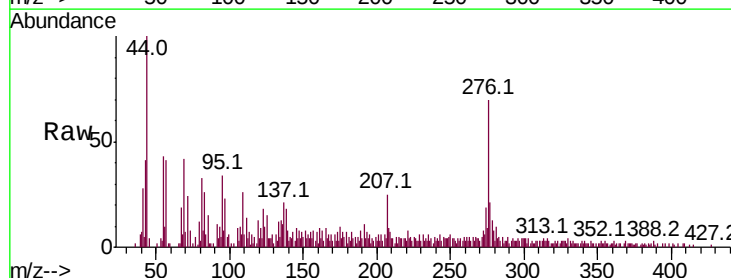


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

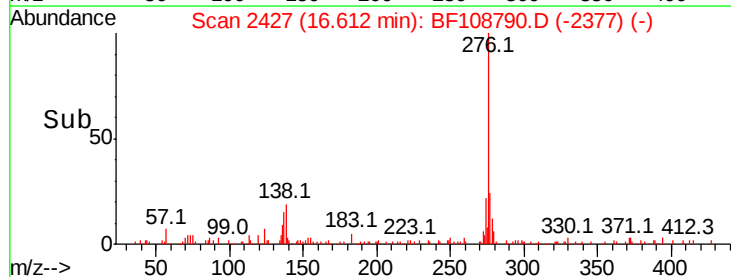
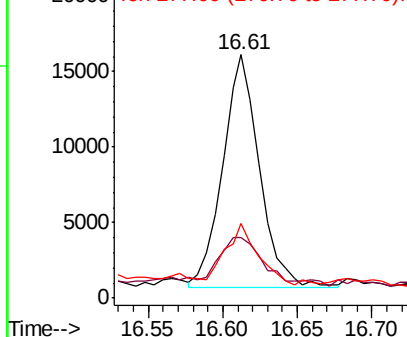


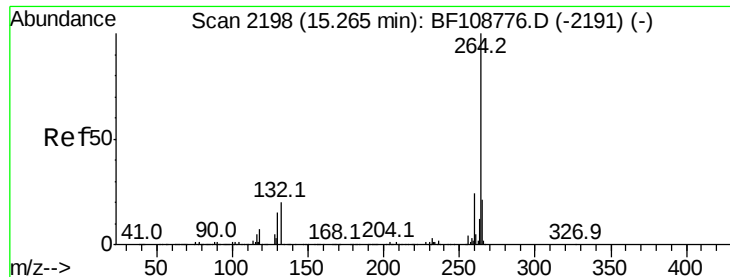
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.806 ng
RT: 16.61 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	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

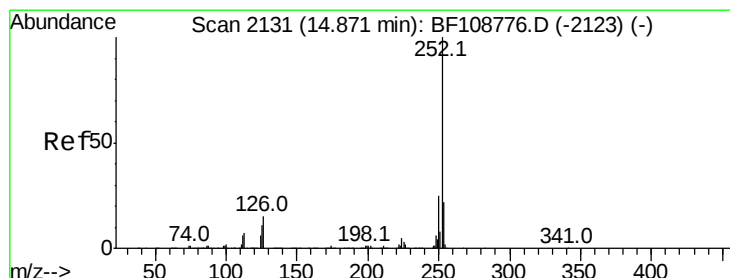
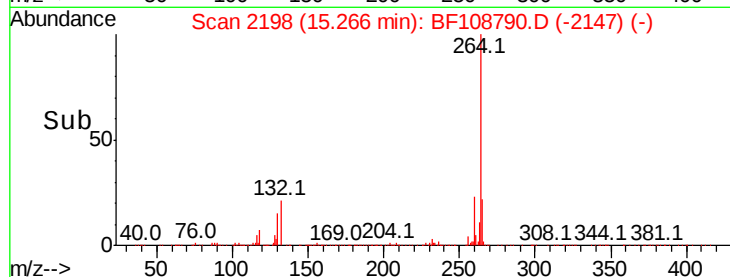
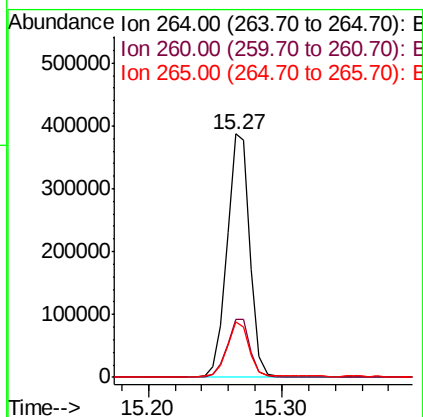
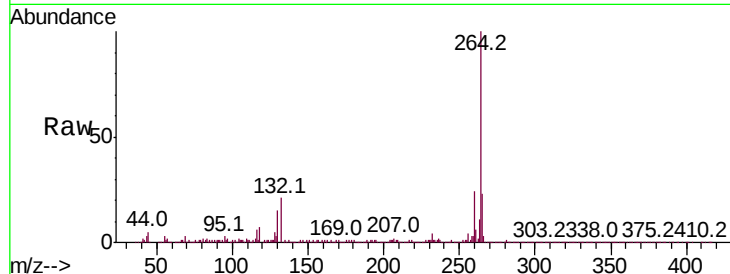




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

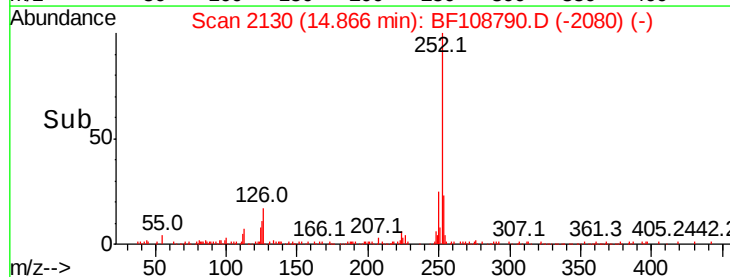
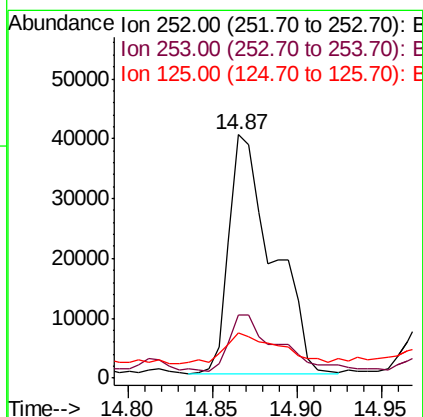
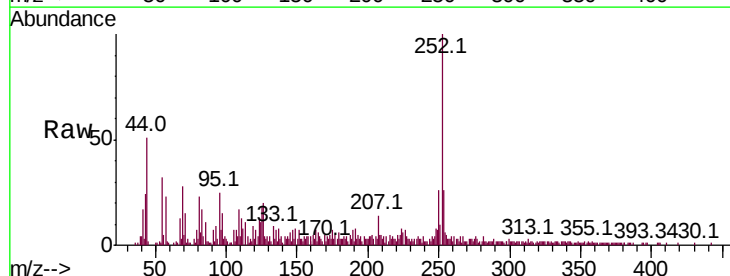
Instrument :
BNA_F
ClientSampled :

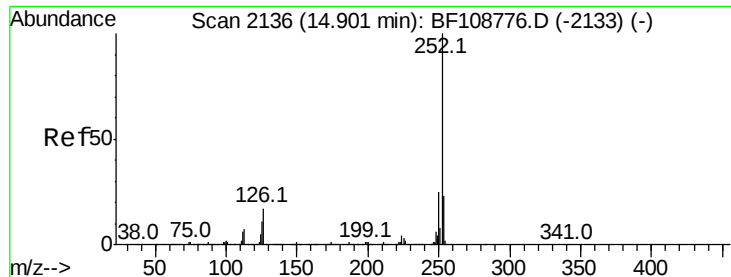
Tot Ion:264 Resp: 461782
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.877 ng
RT: 14.87 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BF108790.D
Acq: 5 Sep 2018 22:34

Tgt Ion:252 Resp: 72229
Ion Ratio Lower Upper
252 100
253 26.1 17.0 25.6#
125 18.5 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 3.124 ng

RT: 14.87 min Scan# 2130

Delta R.T. -0.04 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampled :

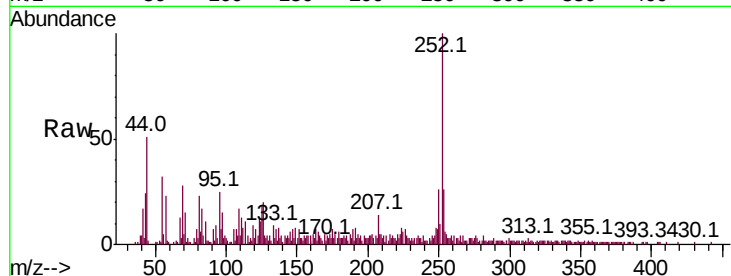
Tot Ion:252 Resp: 72229

Ion Ratio Lower Upper

252 100

253 26.1 17.9 26.9

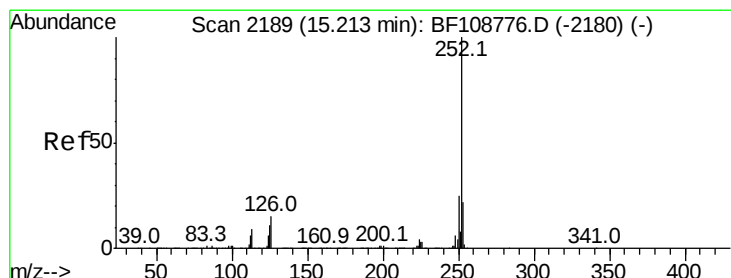
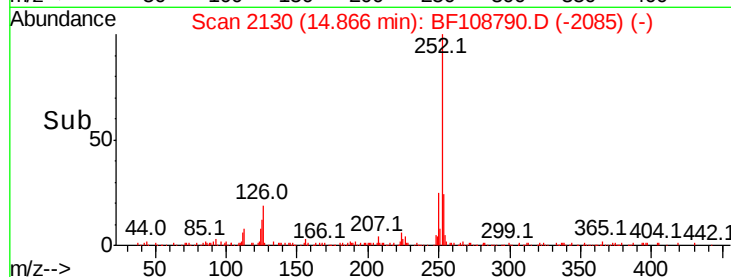
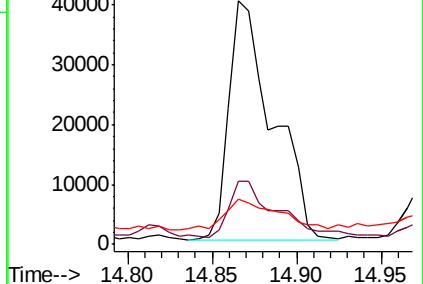
125 18.5 10.2 15.2#



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: 1.524 ng

RT: 15.21 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

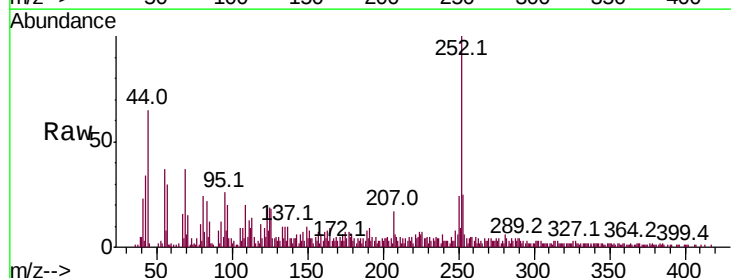
Tgt Ion:252 Resp: 34536

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

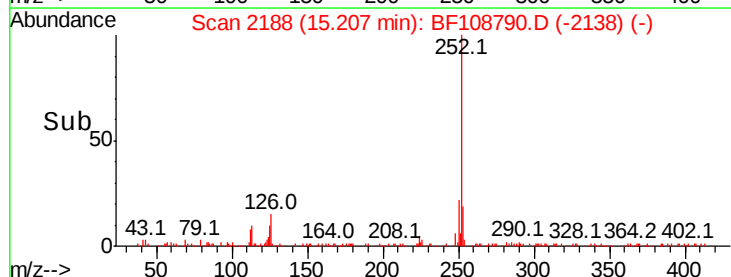
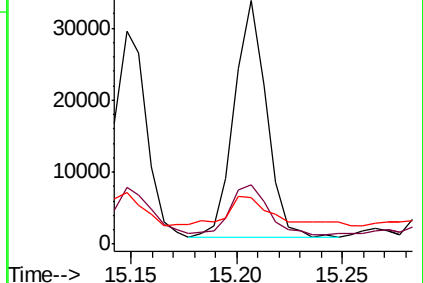
125 19.1 9.8 14.6#

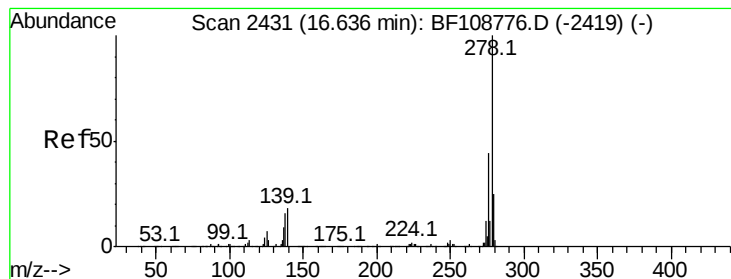


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.366 ng

RT: 16.62 min Scan# 2428

Delta R.T. -0.02 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

Instrument :

BNA_F

ClientSampleId :

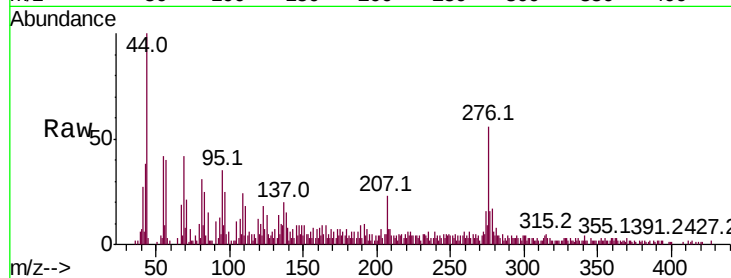
Tot Ion:278 Resp: 7315

Ion Ratio Lower Upper

278 100

139 46.5 15.9 23.9#

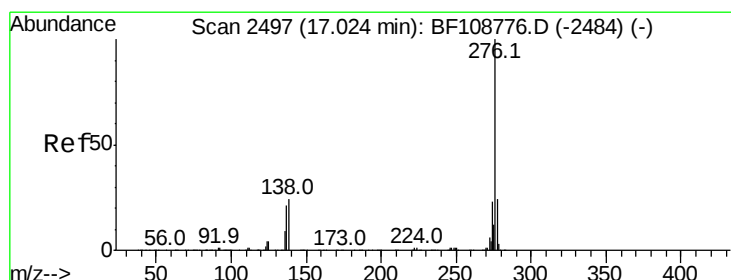
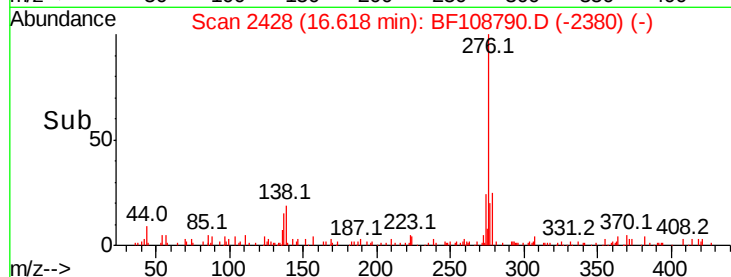
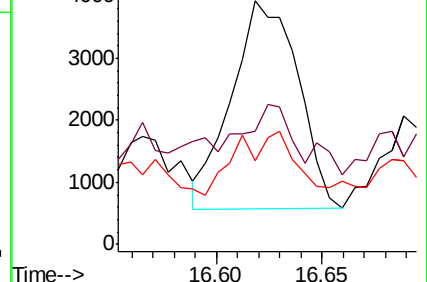
279 34.3 19.0 28.4#



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(g,h,i)perylene

Concen: 1.414 ng

RT: 17.01 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BF108790.D

Acq: 5 Sep 2018 22:34

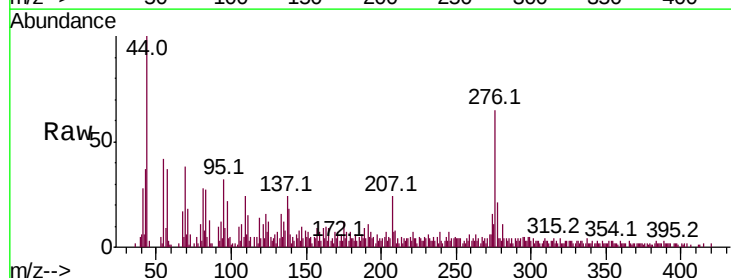
Tgt Ion:276 Resp: 28258

Ion Ratio Lower Upper

276 100

277 32.4 17.9 26.9#

138 27.7 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

