

Data File : BF108839.D
Acq On : 6 Sep 2018 22:31
Operator : JU/SJ
Sample : J4803-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-Q2-H7

Quant Time: Sep 07 01:47:06 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	187506	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	688327	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	344203	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	610510	20.00	ng	0.00
75) Chrysene-d12	13.87	240	563754	20.00	ng	0.00
86) Perylene-d12	15.27	264	656214	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	910320	80.43	ng	0.01
7) Phenol-d6	6.37	99	1083365	74.39	ng	0.00
23) Nitrobenzene-d5	7.30	82	755606	68.70	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	249145	75.82	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1229914	60.96	ng	0.00
78) Terphenyl-d14	12.82	244	1106067	45.75	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.27	77	43903	4.250	ng	# 1
15) Benzyl Alcohol	6.91	79	31197	2.791	ng	# 38
18) Hexachloroethane	7.24	117	79007	15.326	ng	# 1
19) n-Nitroso-di-n-propylamine	7.15	70	45311	4.476	ng	# 48
22) Acetophenone	7.15	105	777391	49.764	ng	# 49
24) Nitrobenzene	7.32	77	72322	6.128	ng	# 62
25) Isophorone	7.56	82	169262	7.715	ng	# 1
26) 2-Nitrophenol	7.66	139	22747	4.892	ng	# 1
27) 2,4-Dimethylphenol	7.69	122	22662	2.400	ng	# 19
32) Benzoic acid	7.82	122	13819	6.340	ng	# 5
35) Caprolactam	8.45	113	9682	2.935	ng	# 27
49) Dimethylphthalate	9.48	163	435381	18.085	ng	# 99
56) 2,4-Dinitrotoluene	9.77	165	44436	7.574	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	387	7.007	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	15547	2.255	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.87	149	179260	7.302	ng	# 99

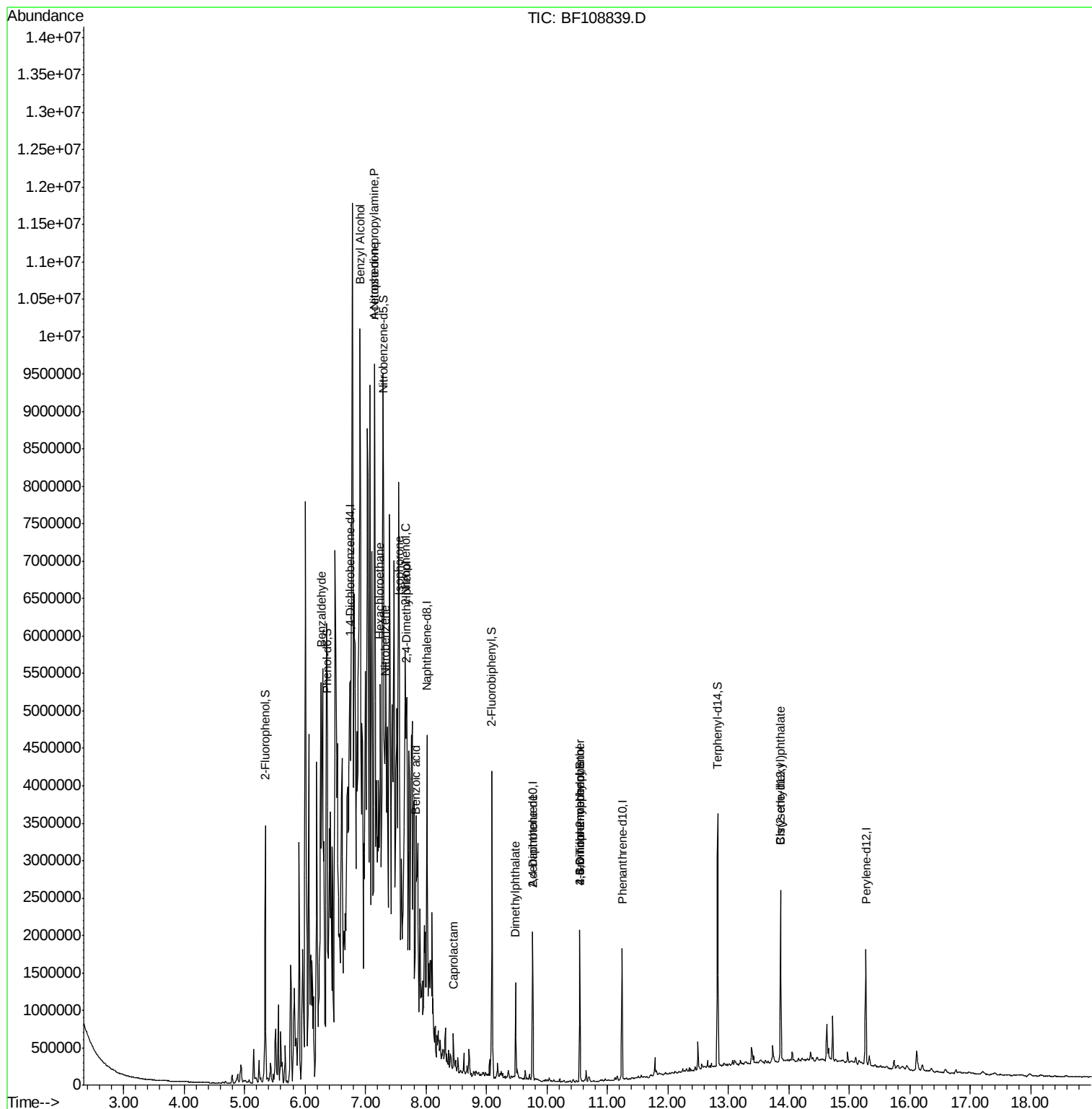
(#) = qualifier out of range (m) = manual integration (+) = signals summed

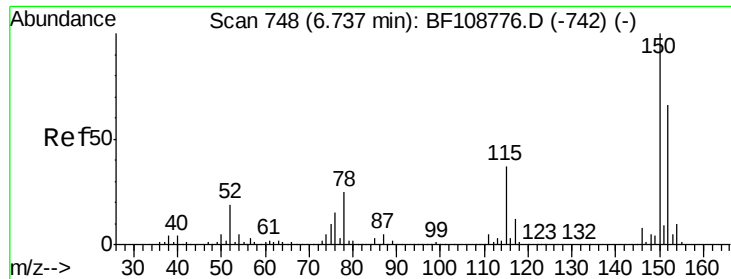
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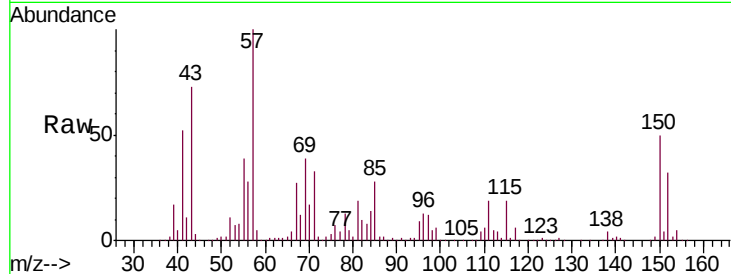


#1

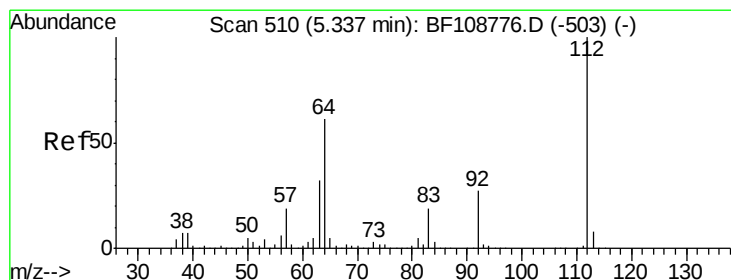
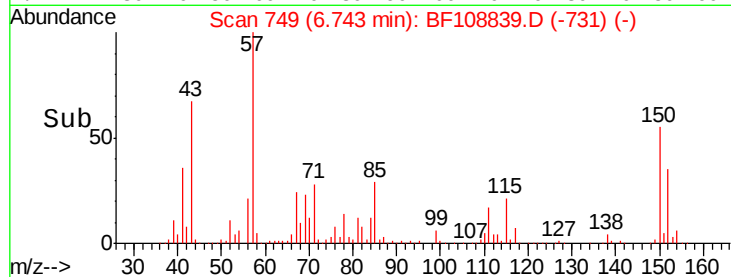
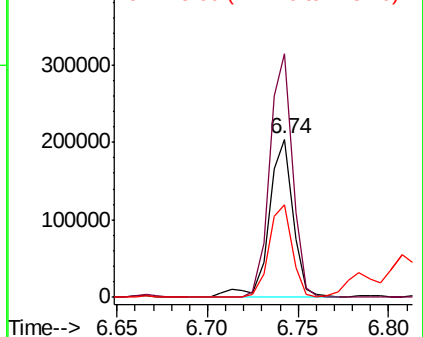
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF108839.D
Acq: 6 Sep 2018 22:31

Instrument :
BNA_F
ClientSampleId :
EP1-Q2-H7

Tgt Ion:152 Resp: 187506
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 58.9 50.1 75.1



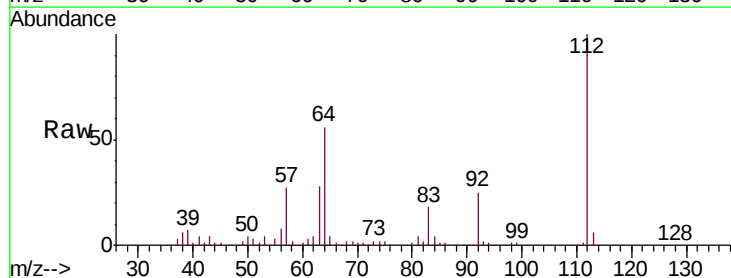
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



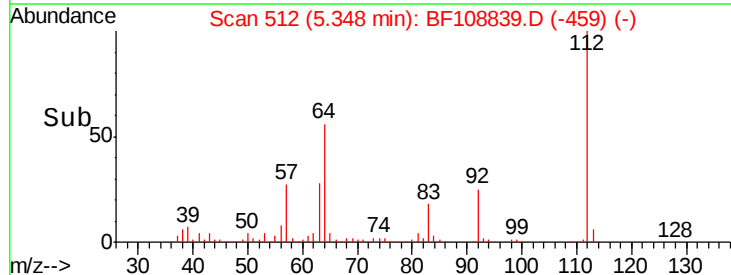
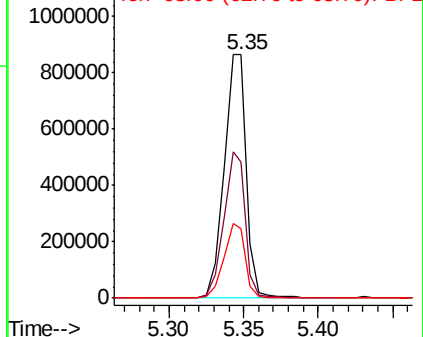
#5

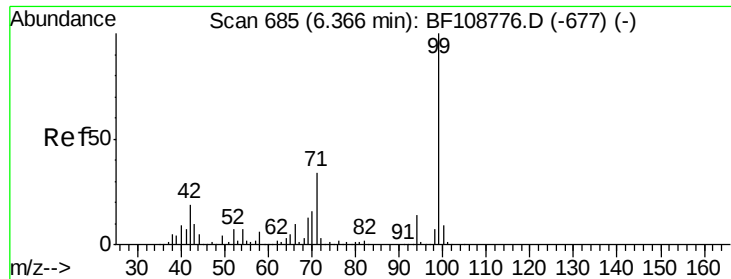
2-Fluorophenol
Concen: 80.429 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108839.D
Acq: 6 Sep 2018 22:31

Tgt Ion:112 Resp: 910320
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.4 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





#7

Phenol-d6

Concen: 74.393 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-H7

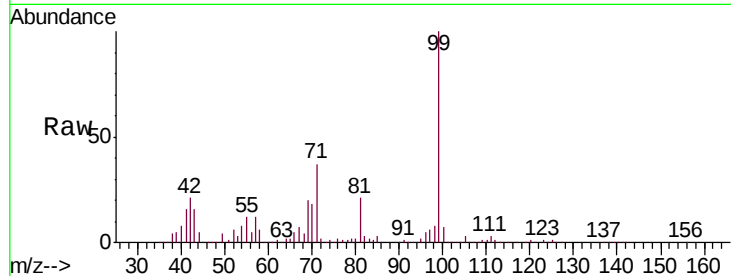
Tgt Ion: 99 Resp: 1083365

Ion Ratio Lower Upper

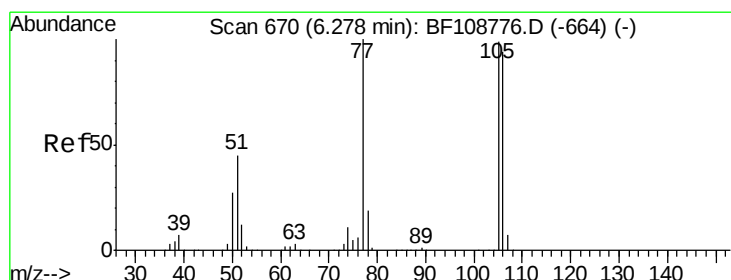
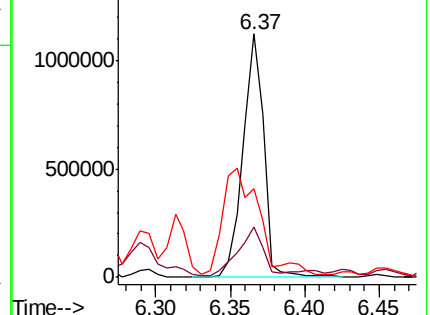
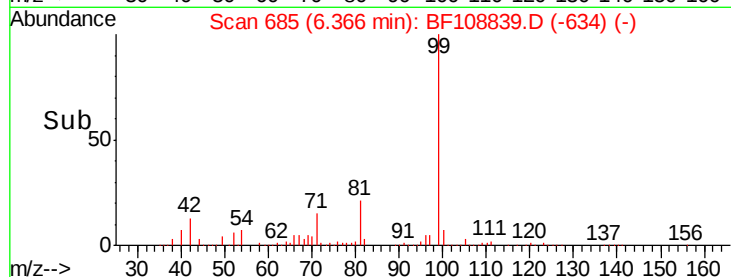
99 100

42 20.7 14.5 21.7

71 36.6 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: 4.250 ng

RT: 6.27 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

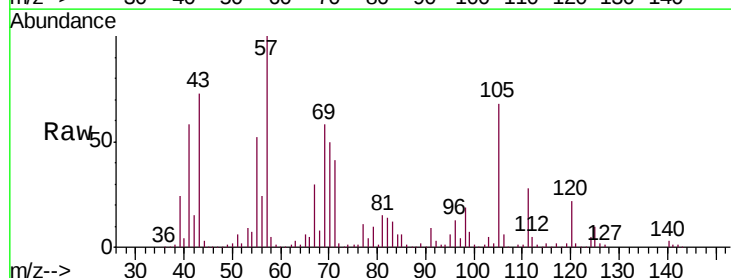
Tgt Ion: 77 Resp: 43903

Ion Ratio Lower Upper

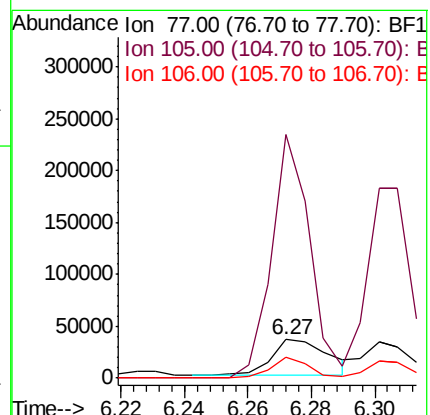
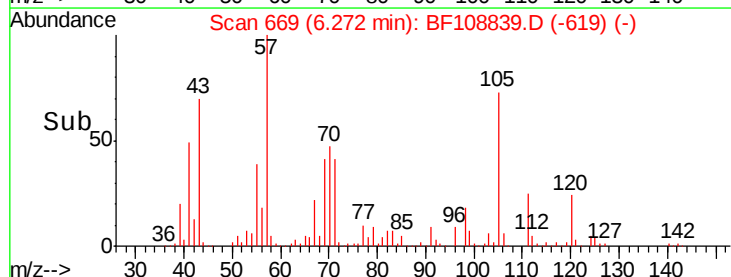
77 100

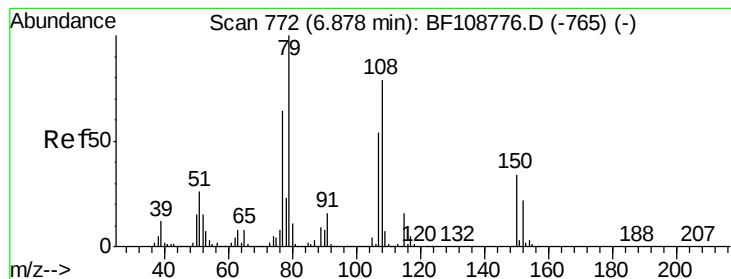
105 629.7 81.1 121.1#

106 55.2 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





#15

Benzyl Alcohol

Concen: 2.791 ng

RT: 6.91 min Scan# 777

Delta R.T. 0.03 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-H7

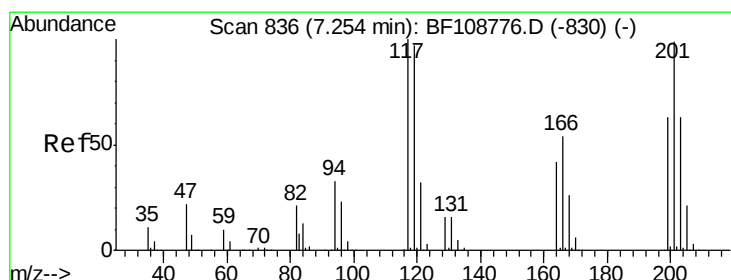
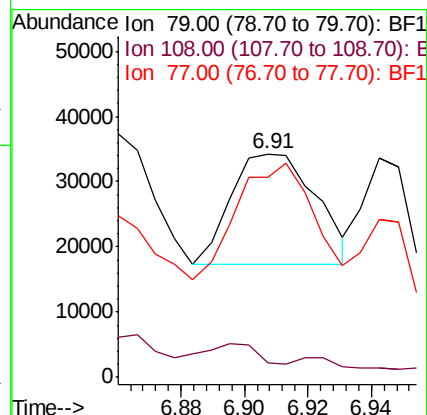
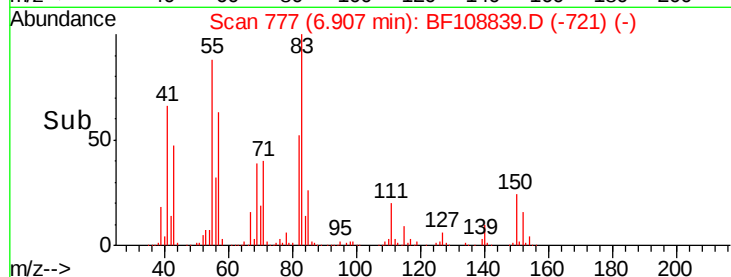
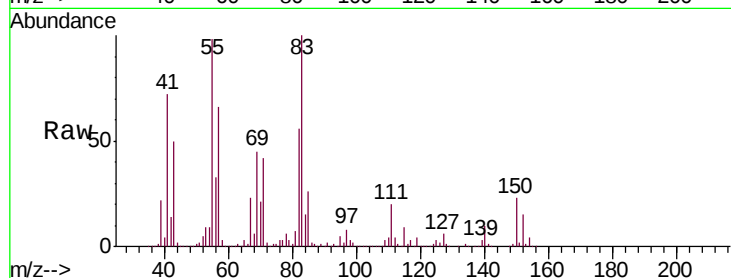
Tgt Ion: 79 Resp: 31197

Ion Ratio Lower Upper

79 100

108 6.4 65.1 97.7#

77 89.7 50.6 75.8#



#18

Hexachloroethane

Concen: 15.326 ng

RT: 7.24 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

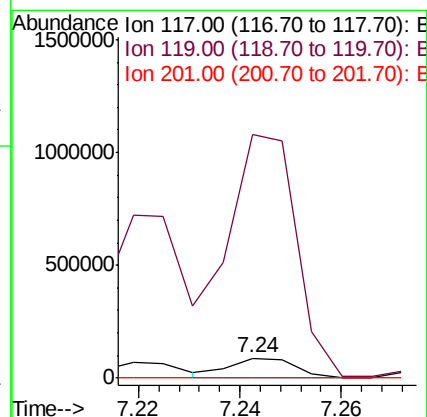
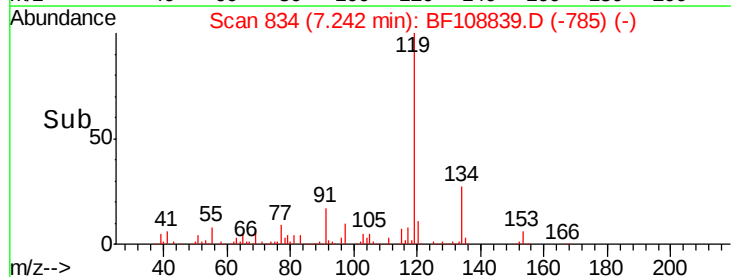
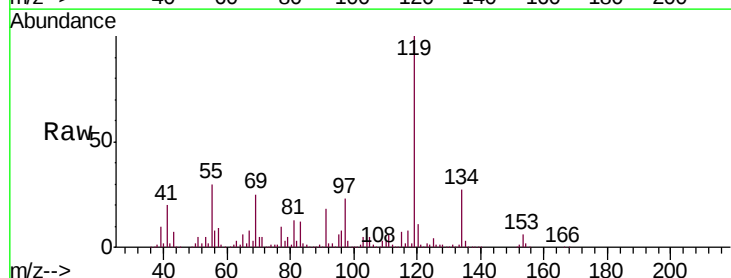
Tgt Ion: 117 Resp: 79007

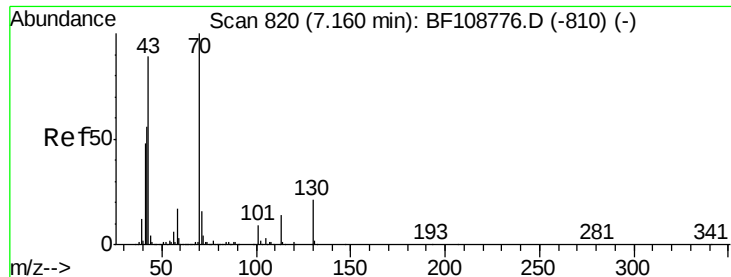
Ion Ratio Lower Upper

117 100

119 1213.2 75.8 113.8#

201 0.0 75.7 113.5#

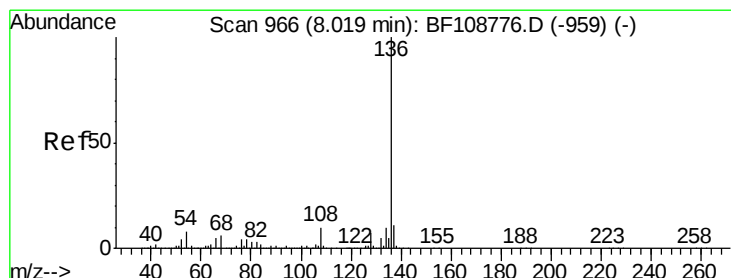
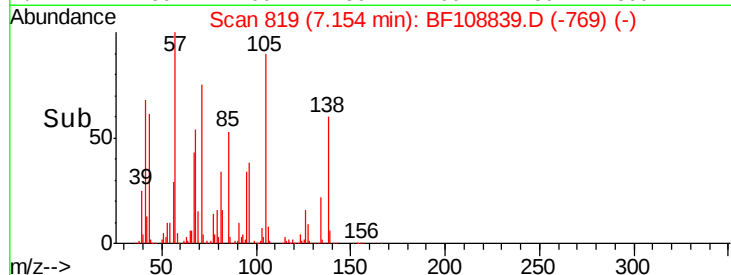
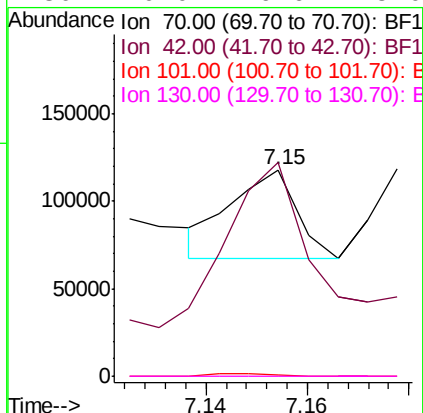
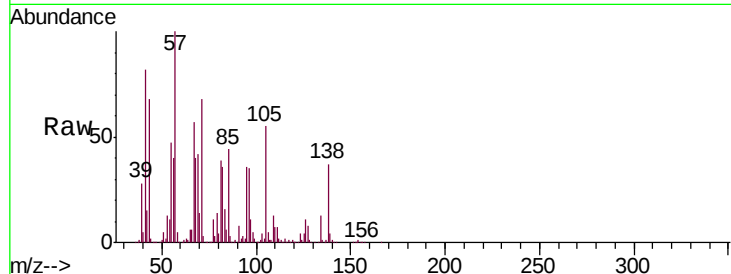




#19
n-Nitroso-di-n-propylamine
Concen: 4.476 ng
RT: 7.15 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF108839.D
Acq: 6 Sep 2018 22:31

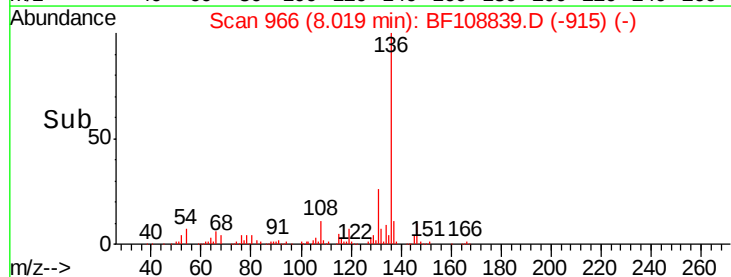
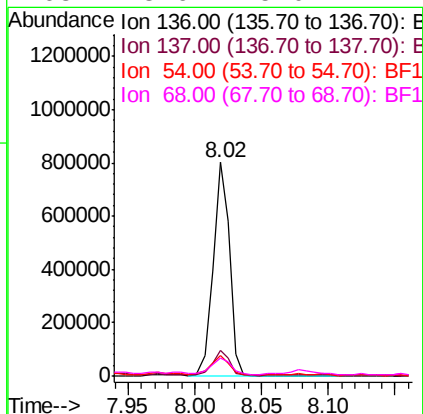
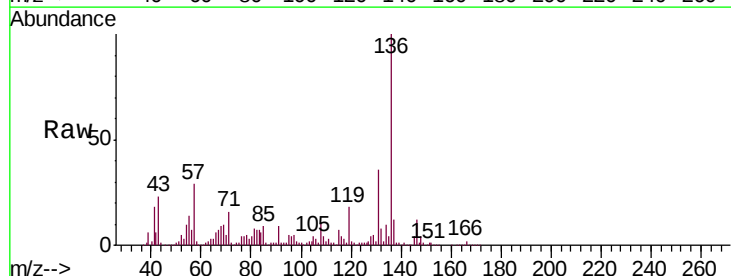
Instrument :
BNA_F
ClientSampleId :
EP1-Q2-H7

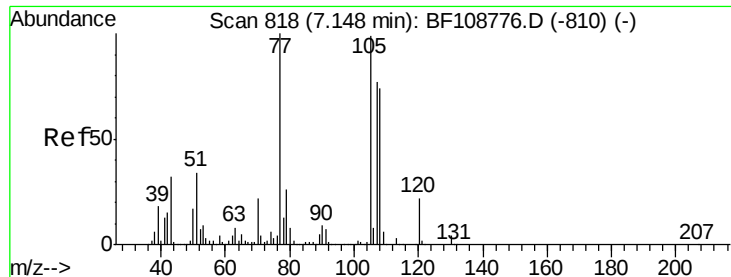
Tgt Ion:	70	Resp:	45311
Ion	Ratio	Lower	Upper
70	100		
42	103.6	47.5	71.3#
101	0.6	7.4	11.2#
130	0.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF108839.D
Acq: 6 Sep 2018 22:31

Tgt Ion:	136	Resp:	688327
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.9	13.3
54	9.6	6.6	9.8
68	8.6	5.0	7.4#





#22

Acetophenone

Concen: 49.764 ng

RT: 7.15 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-H7

Tgt Ion: 105 Resp: 777391

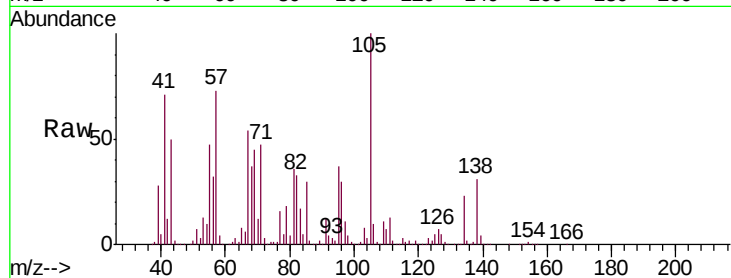
Ion Ratio Lower Upper

105 100

71 47.4 4.4 6.6#

51 6.5 22.3 33.5#

120 0.2 16.9 25.3#

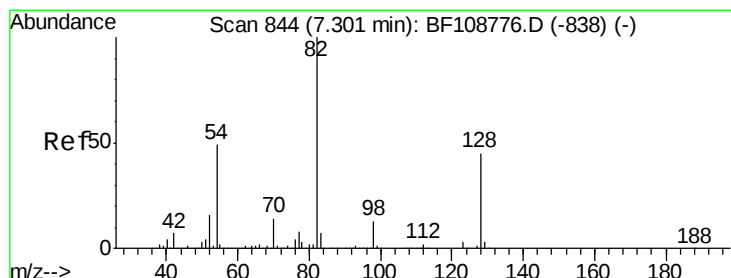
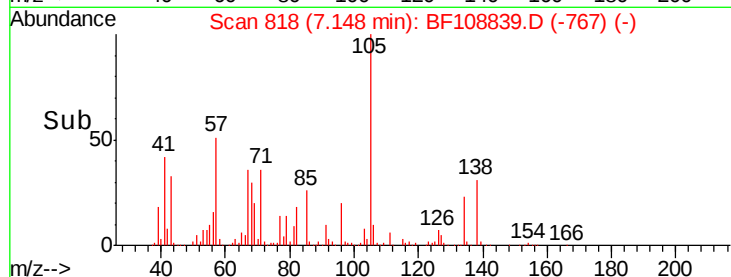
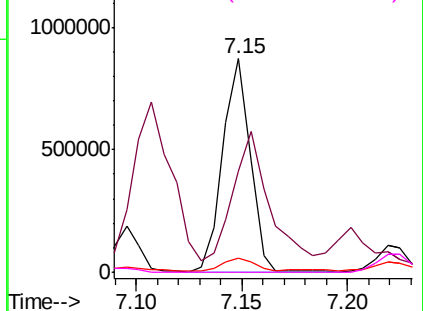


Abundance Ion 105.00 (104.70 to 105.70): E

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: 68.698 ng

RT: 7.30 min Scan# 844

Delta R.T. 0.00 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

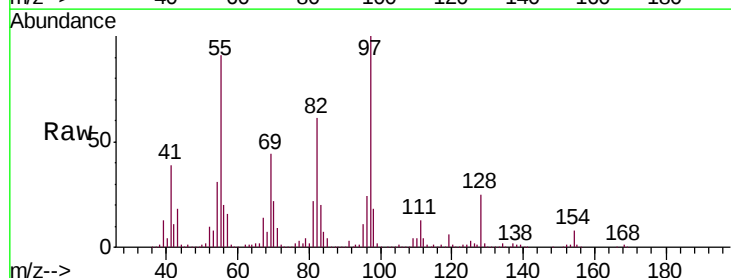
Tgt Ion: 82 Resp: 755606

Ion Ratio Lower Upper

82 100

128 40.6 36.1 54.1

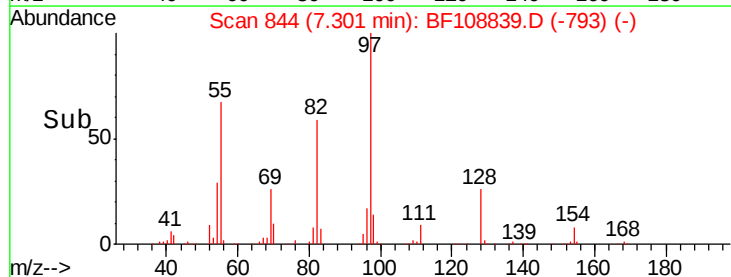
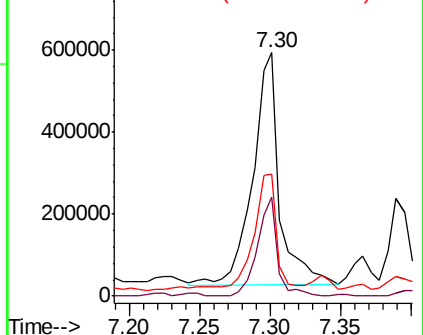
54 50.3 41.4 62.2

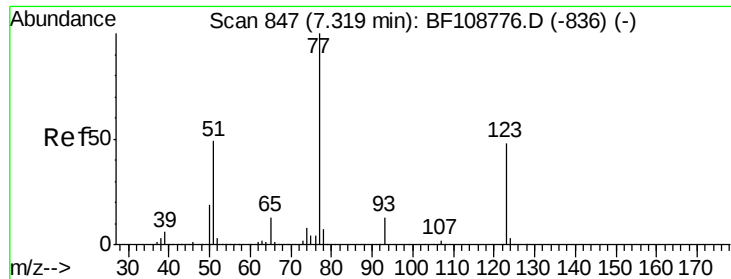


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

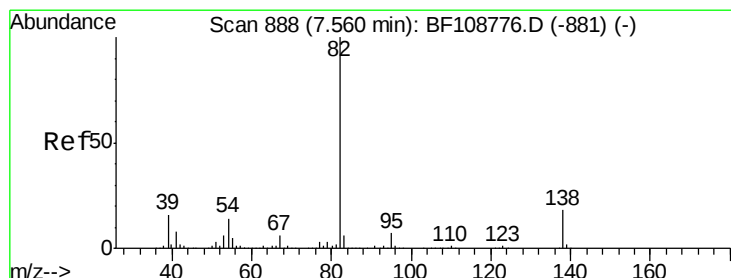
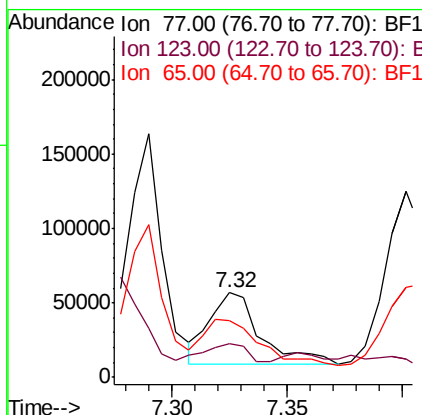
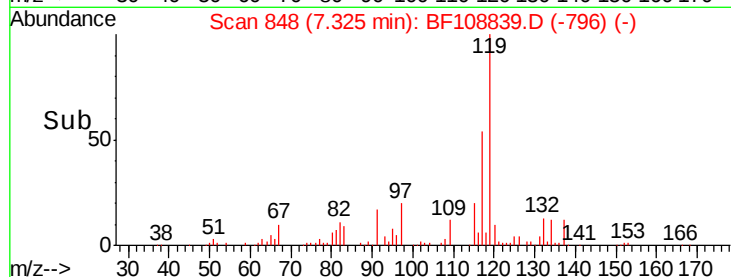
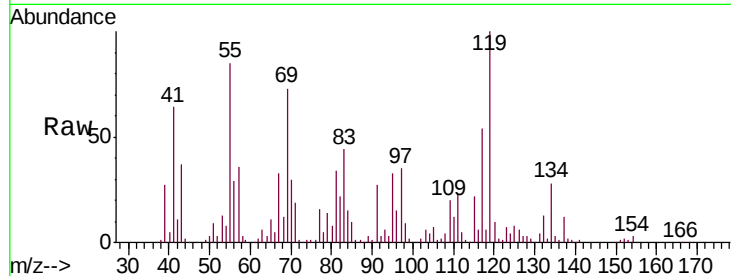




#24
 Nitrobenzene
 Concen: 6.128 ng
 RT: 7.32 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

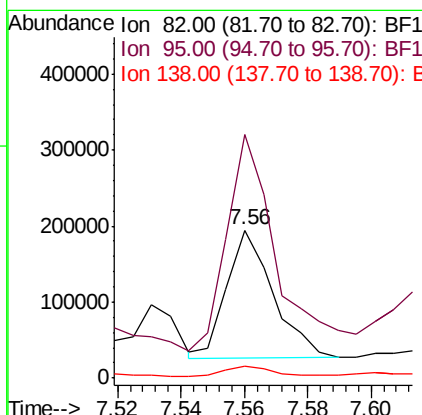
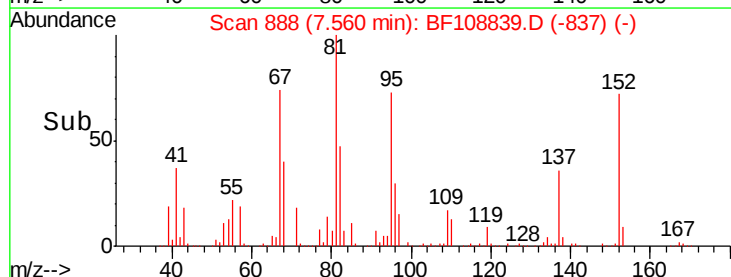
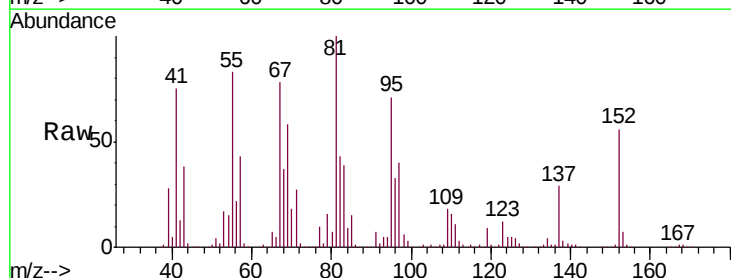
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q2-H7

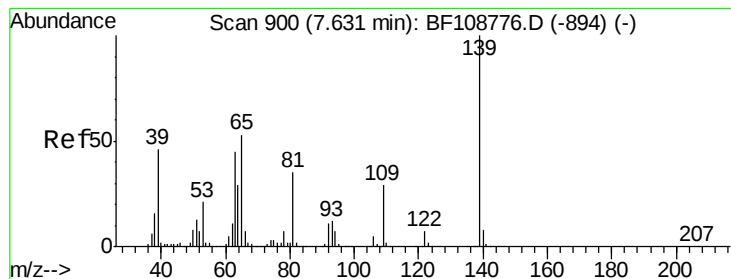
Tgt Ion: 77 Resp: 72322
 Ion Ratio Lower Upper
 77 100
 123 40.2 37.9 56.9
 65 67.6 11.0 16.4#



#25
 Isophorone
 Concen: 7.715 ng
 RT: 7.56 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Tgt Ion: 82 Resp: 169262
 Ion Ratio Lower Upper
 82 100
 95 164.9 5.2 7.8#
 138 7.9 14.9 22.3#





#26

2-Nitrophenol

Concen: 4.892 ng

RT: 7.66 min Scan# 905

Delta R.T. 0.03 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-H7

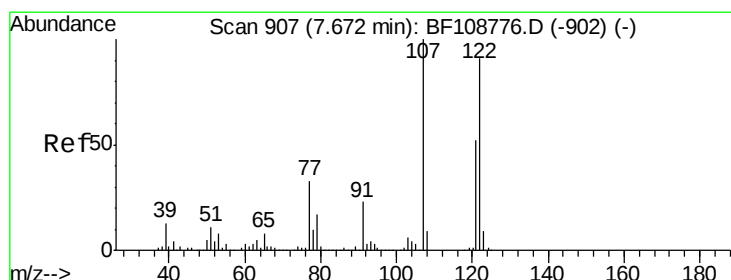
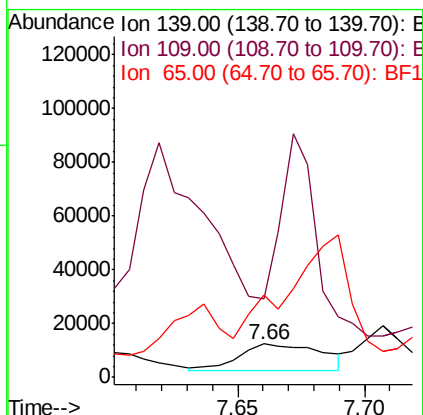
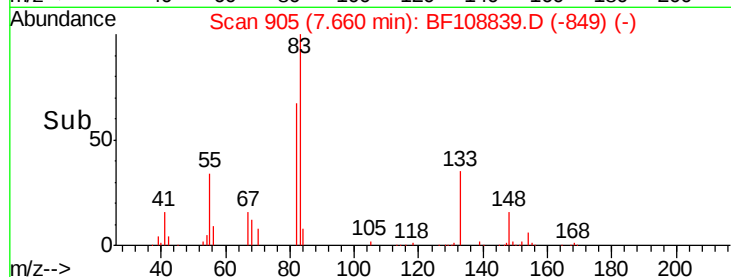
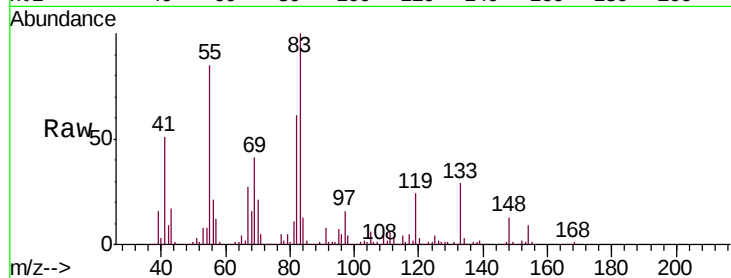
Tgt Ion:139 Resp: 22747

Ion Ratio Lower Upper

139 100

109 235.4 22.7 34.1#

65 246.0 40.5 60.7#



#27

2,4-Dimethylphenol

Concen: 2.400 ng

RT: 7.69 min Scan# 910

Delta R.T. 0.02 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

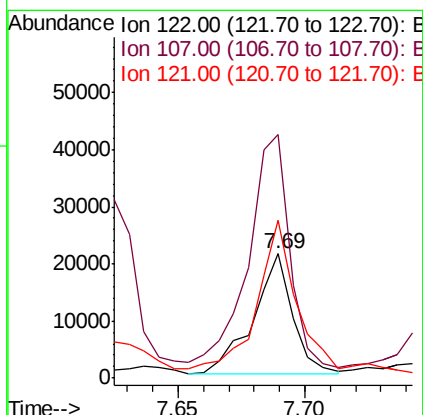
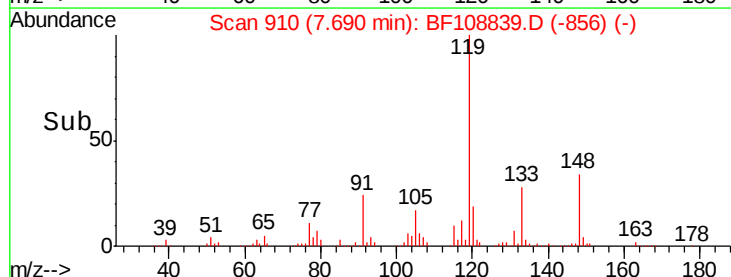
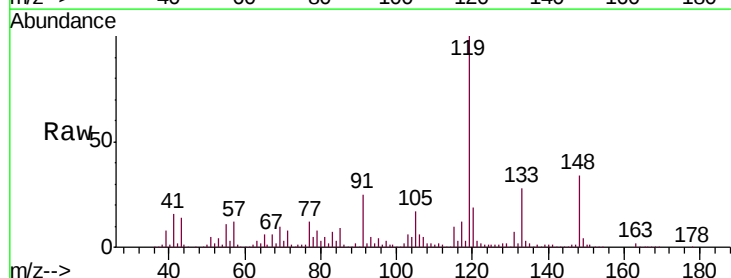
Tgt Ion:122 Resp: 22662

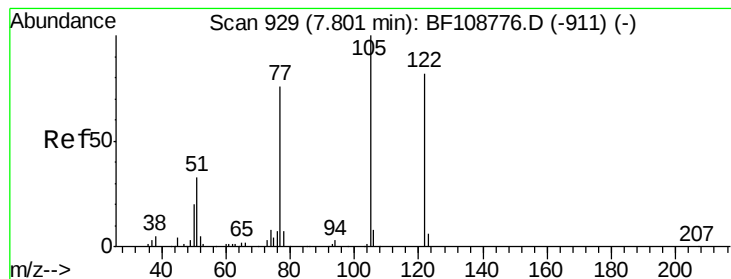
Ion Ratio Lower Upper

122 100

107 196.4 91.2 136.8#

121 126.9 47.2 70.8#





#32

Benzoic acid

Concen: 6.340 ng

RT: 7.82 min Scan# 933

Delta R.T. 0.02 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-H7

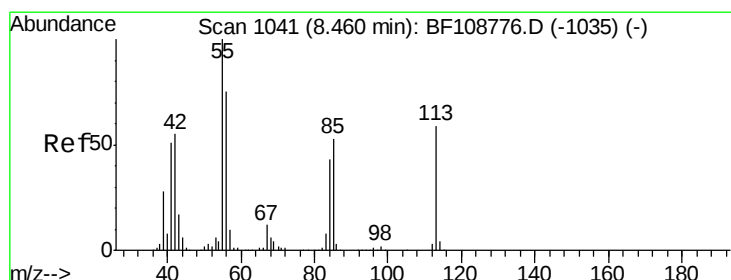
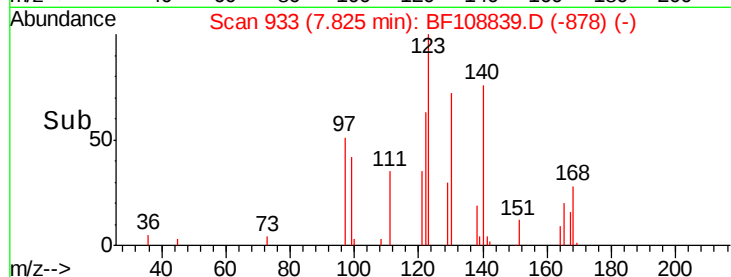
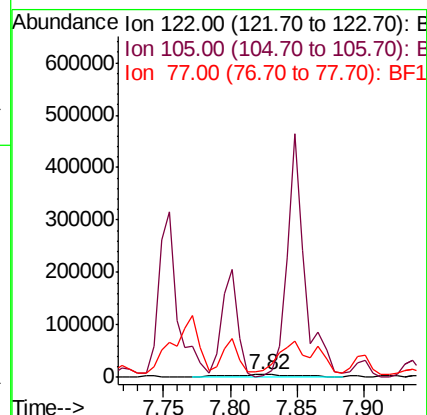
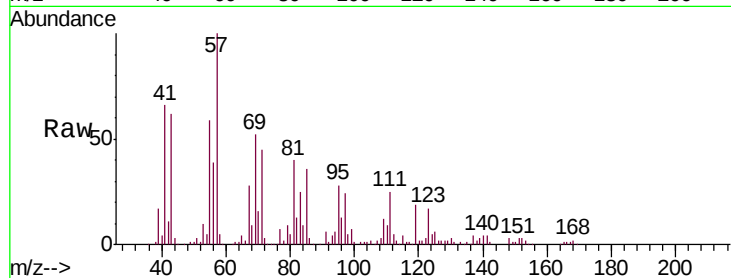
Tgt Ion:122 Resp: 13819

Ion Ratio Lower Upper

122 100

105 56.8 101.1 141.1#

77 228.5 70.7 110.7#



#35

Caprolactam

Concen: 2.935 ng

RT: 8.45 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

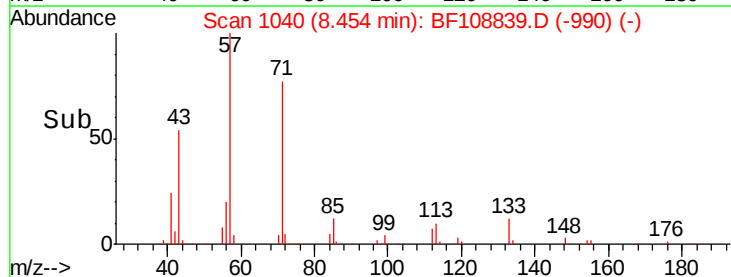
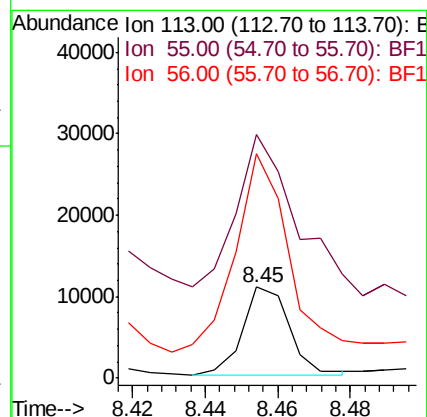
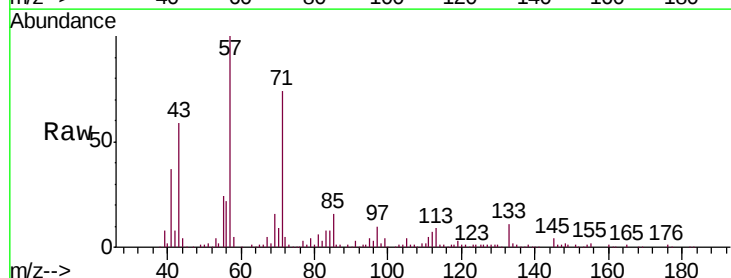
Tgt Ion:113 Resp: 9682

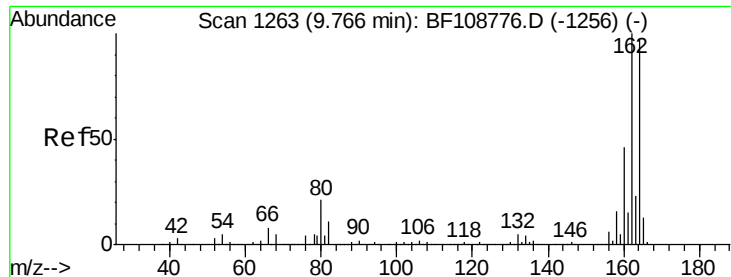
Ion Ratio Lower Upper

113 100

55 267.0 163.3 203.3#

56 245.4 115.7 155.7#

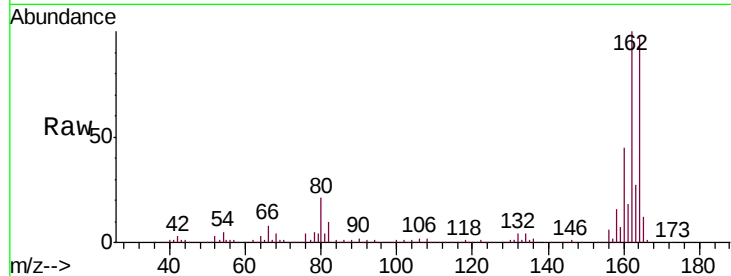




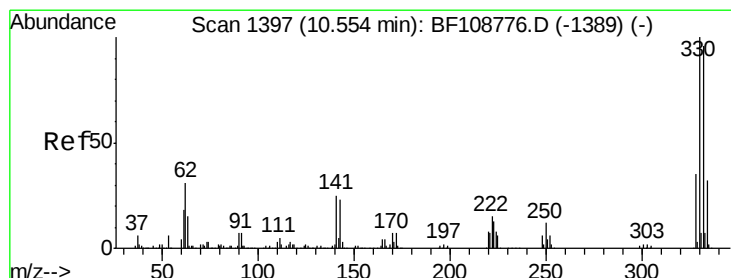
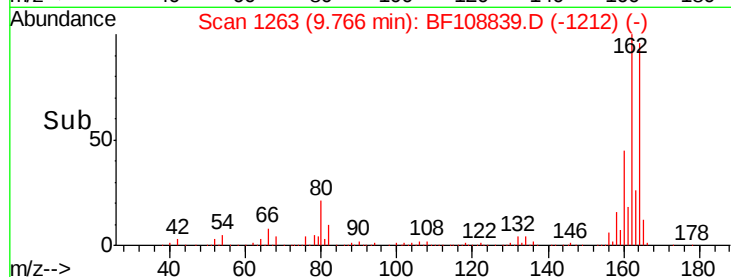
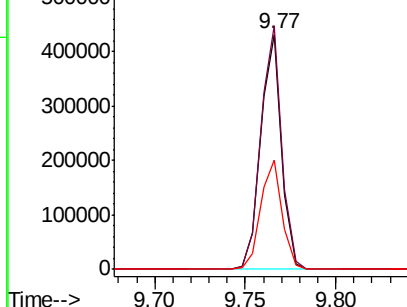
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q2-H7

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	46.6	38.3	57.5

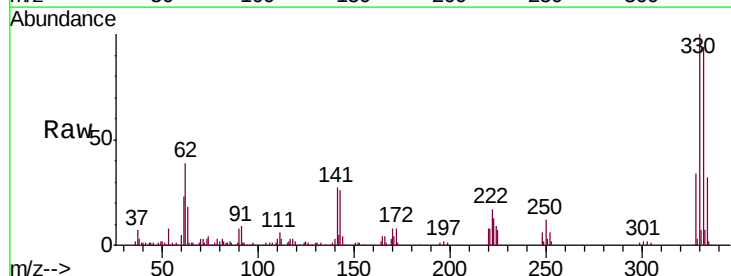


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

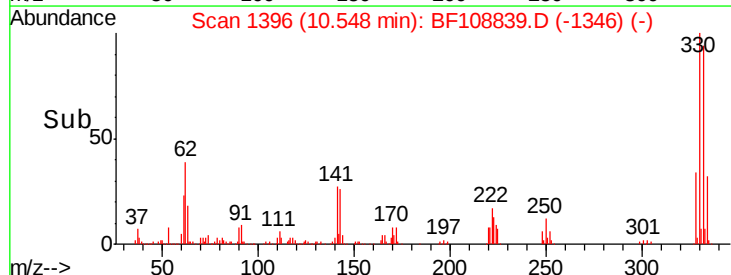
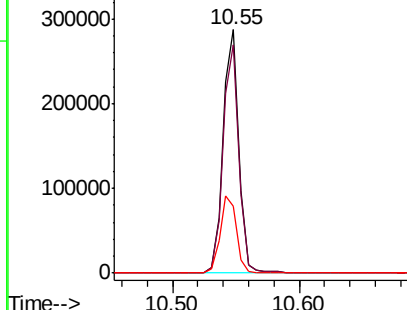


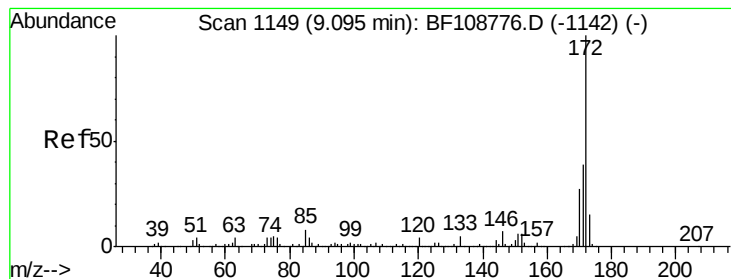
#41
 2,4,6-Tribromophenol
 Concen: 75.822 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	33.6	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

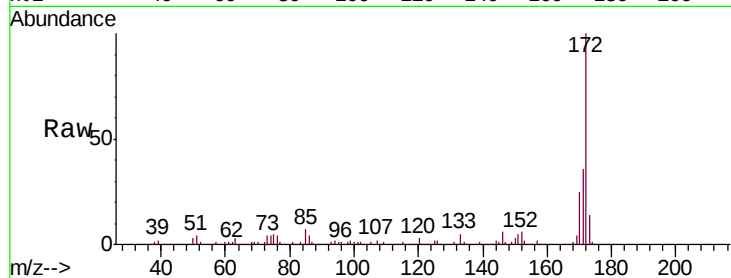




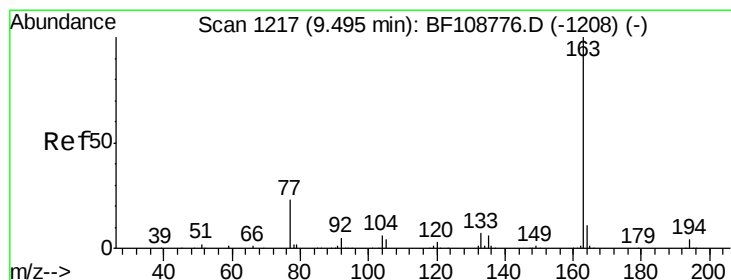
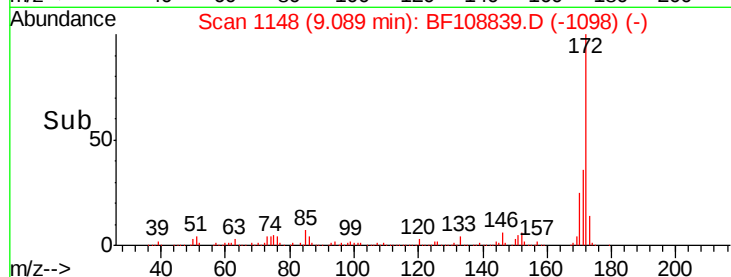
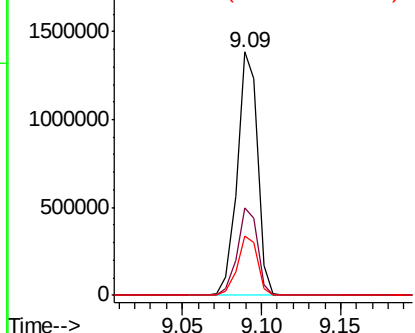
#44
2-Fluorobiphenyl
Concen: 60.959 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108839.D
Acq: 6 Sep 2018 22:31

Instrument :
BNA_F
ClientSampleId :
EP1-Q2-H7

Tgt Ion:172 Resp: 1229914
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.5 19.6 29.4

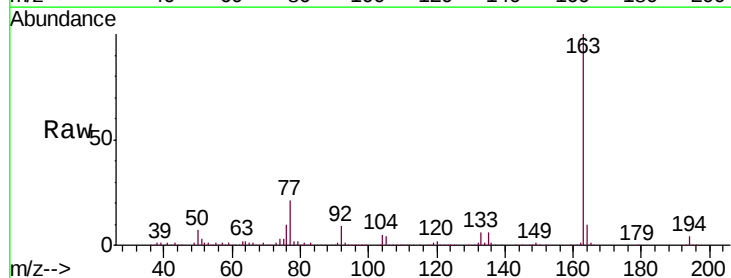


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

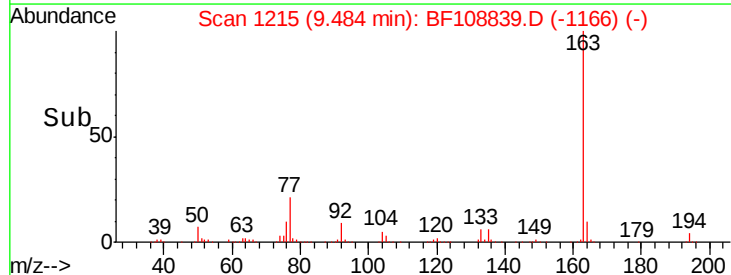
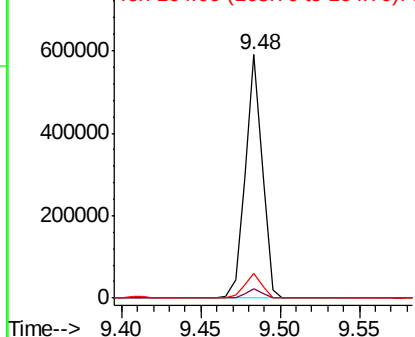


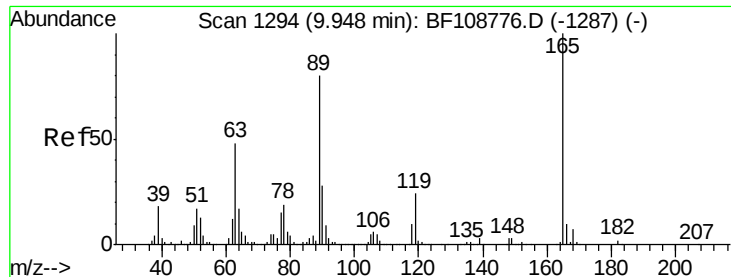
#49
Dimethylphthalate
Concen: 18.085 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108839.D
Acq: 6 Sep 2018 22:31

Tgt Ion:163 Resp: 435381
Ion Ratio Lower Upper
163 100
194 4.0 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

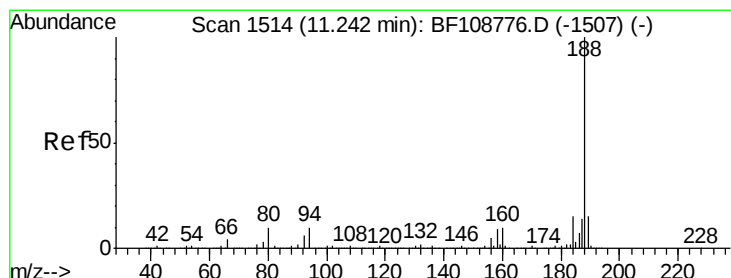
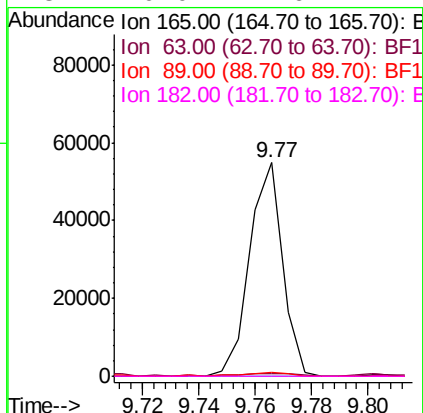
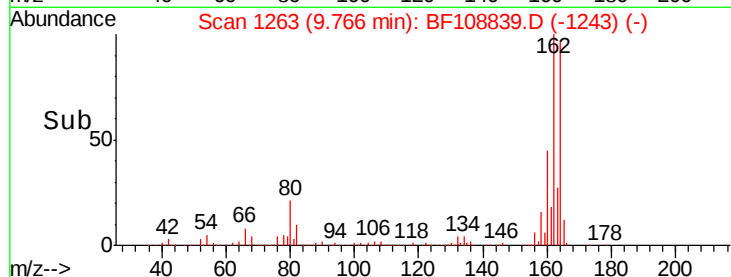
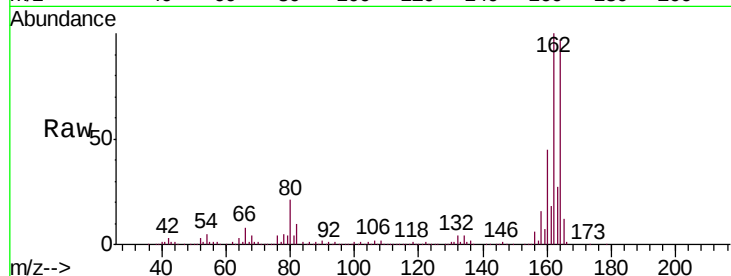




#56
 2,4-Dinitrotoluene
 Concen: 7.574 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

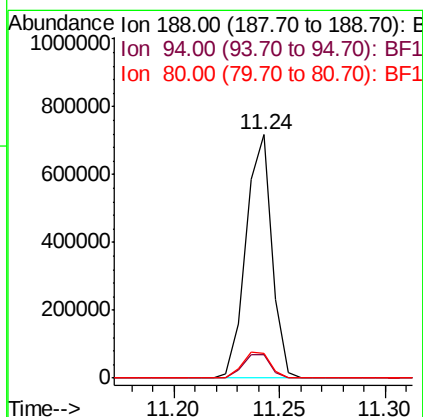
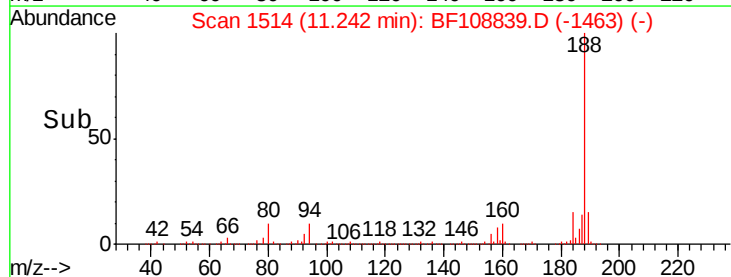
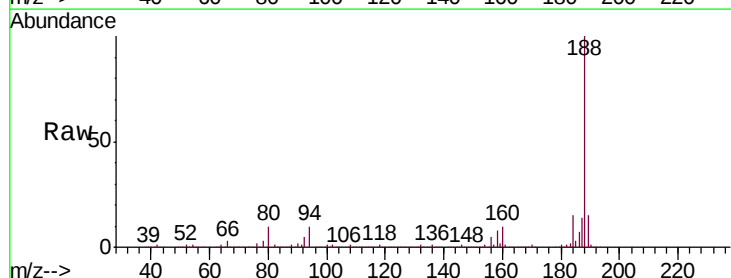
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q2-H7

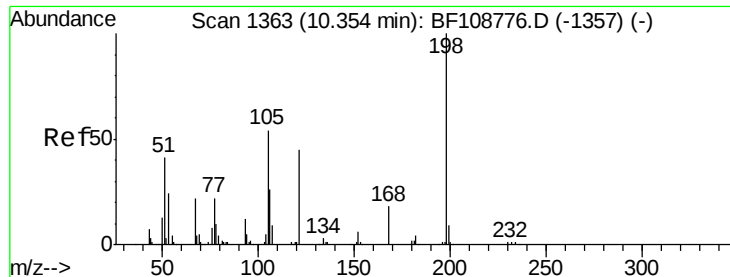
Tgt Ion:	165	Resp:	44436
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Tgt Ion:	188	Resp:	610510
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.1	9.2	13.8

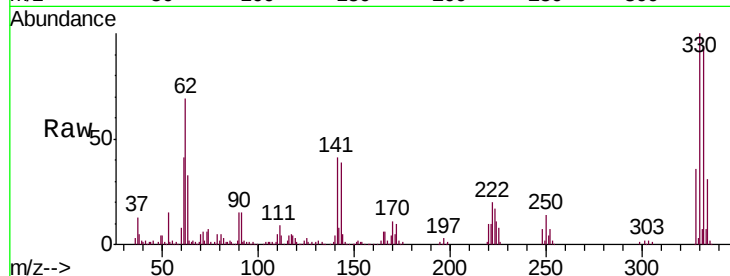




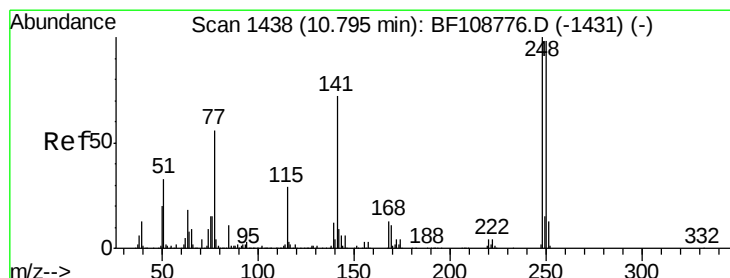
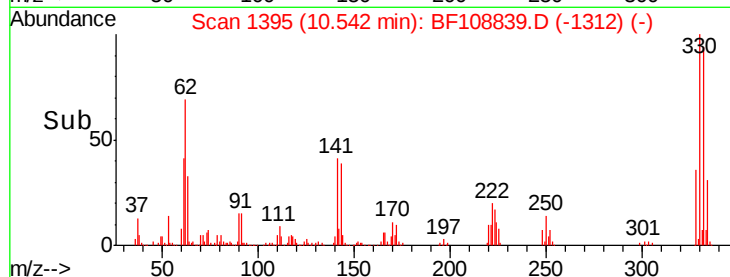
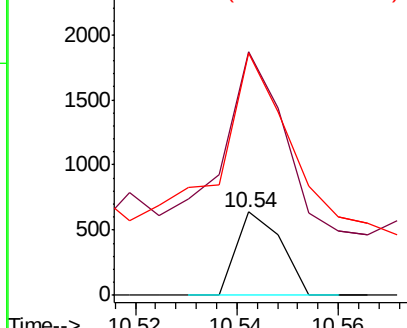
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.007 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. 0.19 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q2-H7

Tgt Ion:198 Resp: 387
 Ion Ratio Lower Upper
 198 100
 51 292.8 37.7 77.7#
 105 291.1 36.3 76.3#

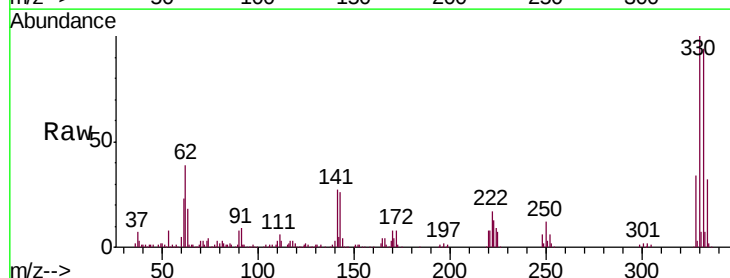


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

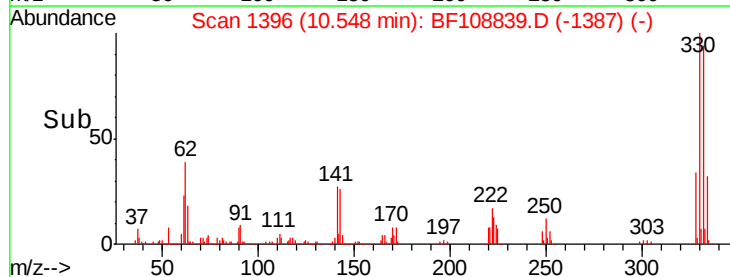
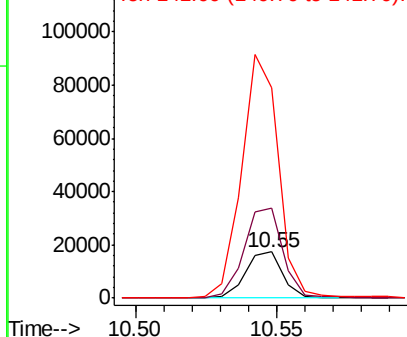


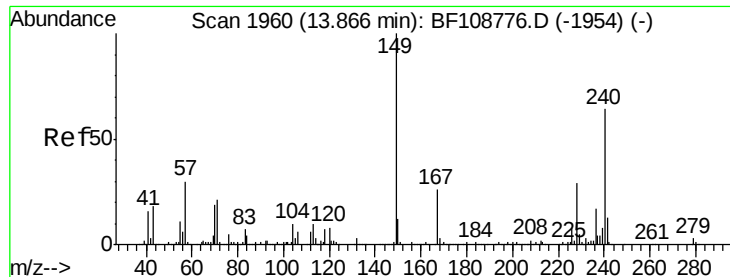
#66
 4-Bromophenyl-phenylether
 Concen: 2.255 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.25 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Tgt Ion:248 Resp: 15547
 Ion Ratio Lower Upper
 248 100
 250 195.8 76.9 115.3#
 141 456.2 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

Instrument :

BNA_F

ClientSampleId :

EP1-Q2-H7

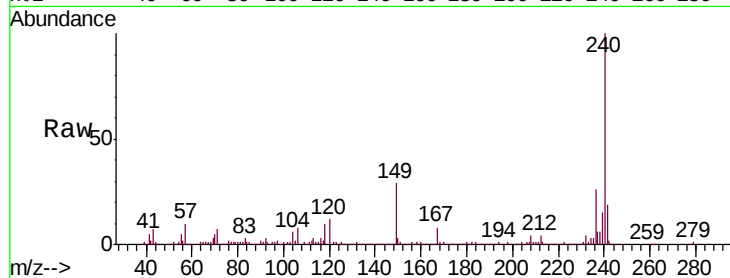
Tgt Ion:240 Resp: 563754

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

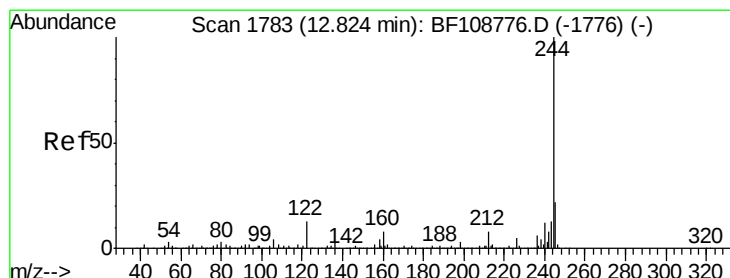
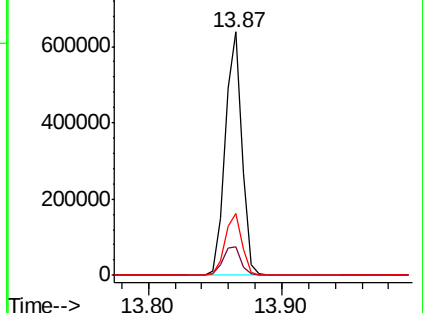
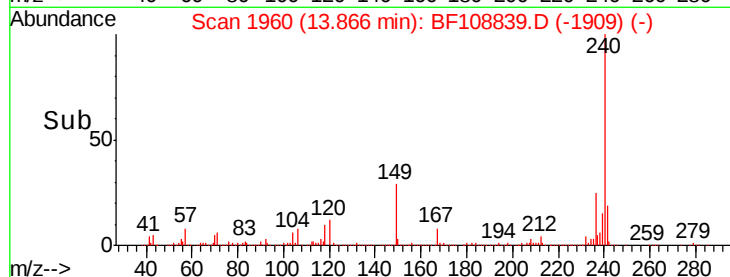
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 45.751 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108839.D

Acq: 6 Sep 2018 22:31

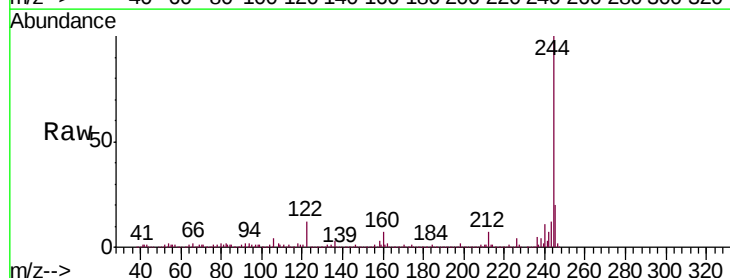
Tgt Ion:244 Resp: 1106067

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

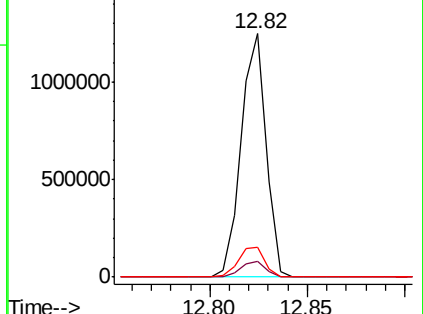
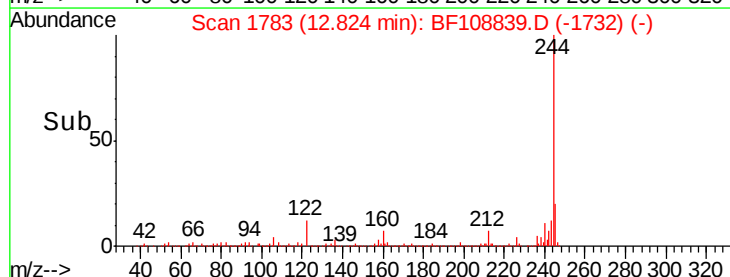
122 12.1 11.0 16.4

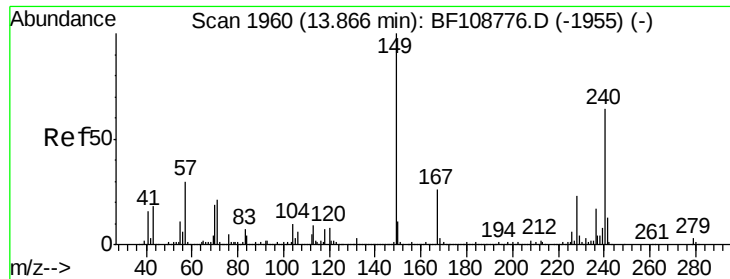


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

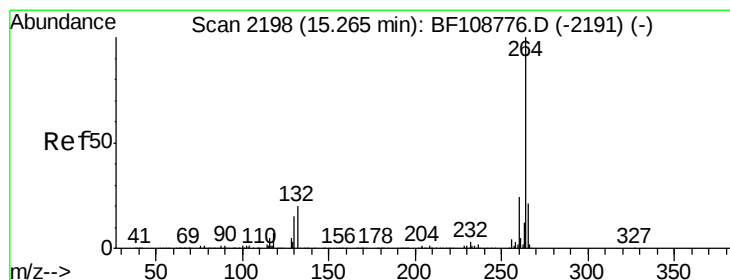
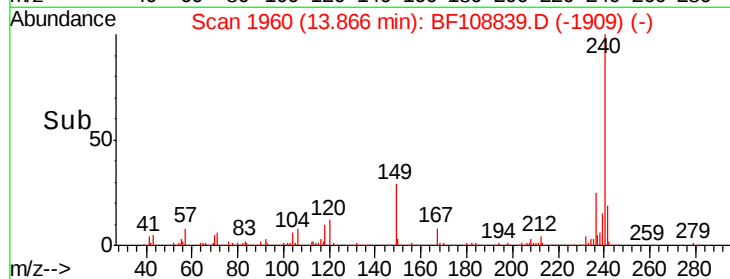
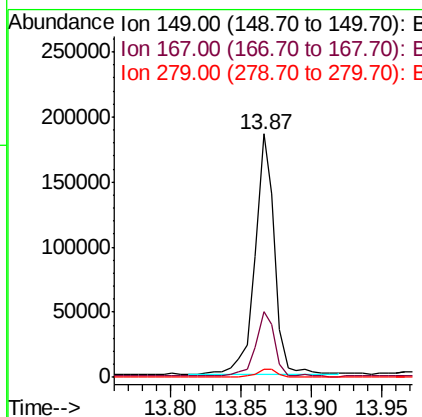
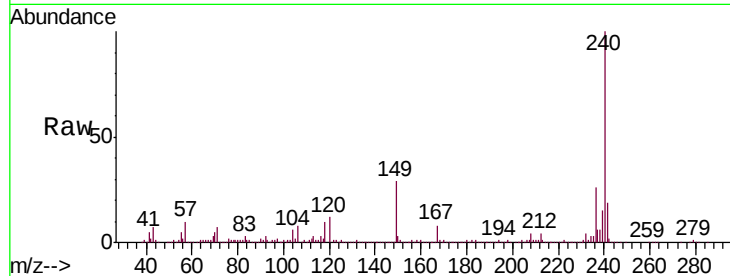




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.302 ng
 RT: 13.87 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q2-H7

Tgt Ion:	149	Resp:	179260
Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	3.6	3.0	4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: BF108839.D
 Acq: 6 Sep 2018 22:31

Tgt Ion:	264	Resp:	656214
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.3	17.5	26.3

