

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108810.D
 Acq On : 6 Sep 2018 8:04
 Operator : JU/SJ
 Sample : J4724-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 10:53:17 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	283372	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	1067584	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	501140	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	834646	20.00	ng	0.00
75) Chrysene-d12	13.87	240	610817	20.00	ng	0.00
86) Perylene-d12	15.27	264	596644	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	977528	57.15	ng	0.00
7) Phenol-d6	6.37	99	1262108	57.35	ng	0.00
23) Nitrobenzene-d5	7.29	82	768792	45.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	273450	57.16	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1423591	48.46	ng	0.00
78) Terphenyl-d14	12.82	244	1096712	41.87	ng	0.00

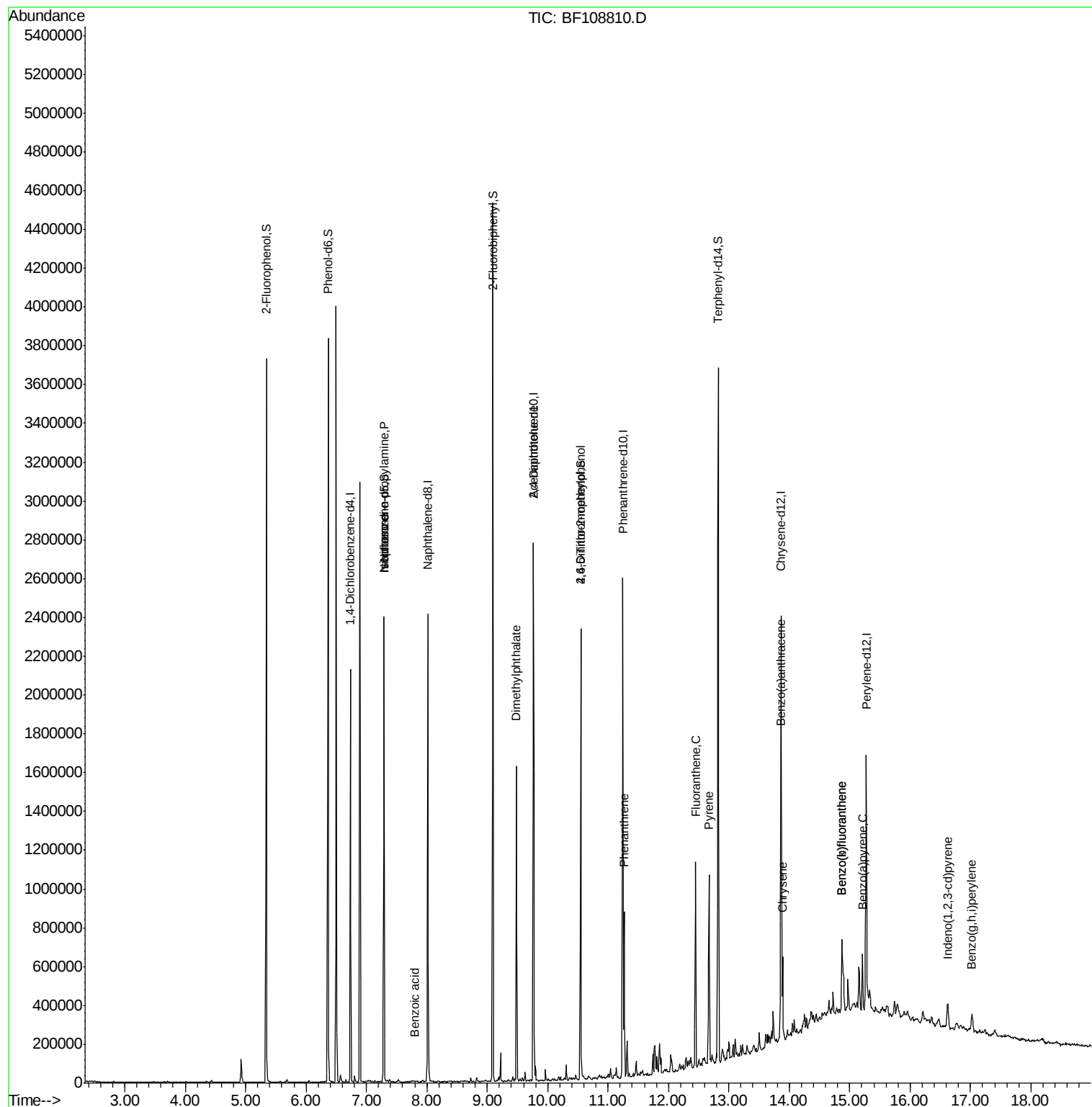
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	105062	6.868	ng	# 77
25) Isophorone	7.29	82	763428	22.435	ng	# 64
32) Benzoic acid	7.80	122	194	4.038	ng	# 1
49) Dimethylphthalate	9.48	163	553735	15.798	ng	99
56) 2,4-Dinitrotoluene	9.77	165	64206	7.517	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	686	7.048	ng	# 1
70) Phenanthrene	11.27	178	284579	7.140	ng	97
74) Fluoranthene	12.45	202	382563	9.694	ng	97
77) Pyrene	12.67	202	341898	7.274	ng	99
80) Benzo(a)anthracene	13.85	228	171737	4.386	ng	98
82) Chrysene	13.89	228	151799	4.005	ng	95
85) Indeno(1,2,3-cd)pyrene	16.62	276	76283	2.274	ng	95
87) Benzo(b)fluoranthene	14.87	252	249330	7.685	ng	# 96
88) Benzo(k)fluoranthene	14.87	252	249330	8.345	ng	98
89) Benzo(a)pyrene	15.21	252	132179	4.515	ng	98
91) Benzo(g,h,i)perylene	17.02	276	71438	2.766	ng	98

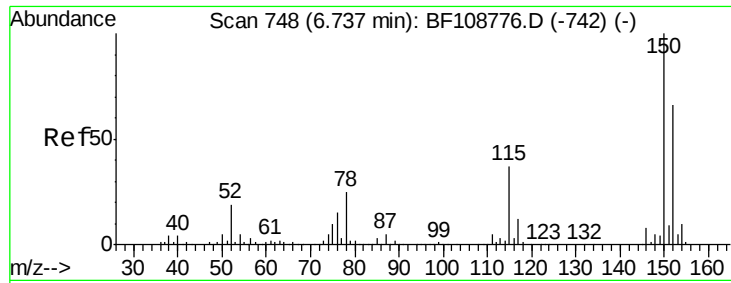
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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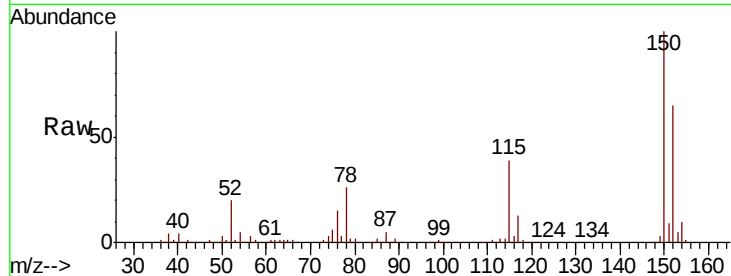


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	60.5	50.1	75.1

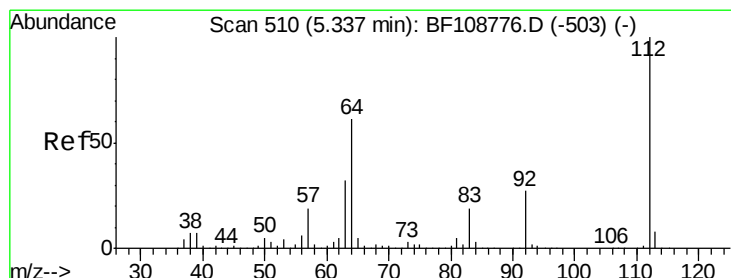
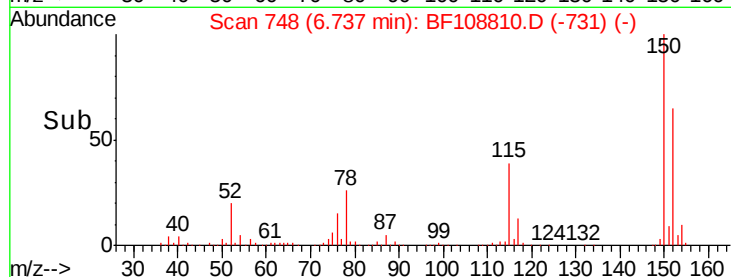
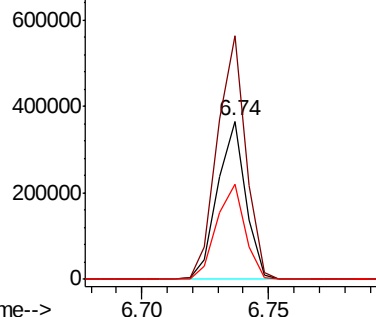


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

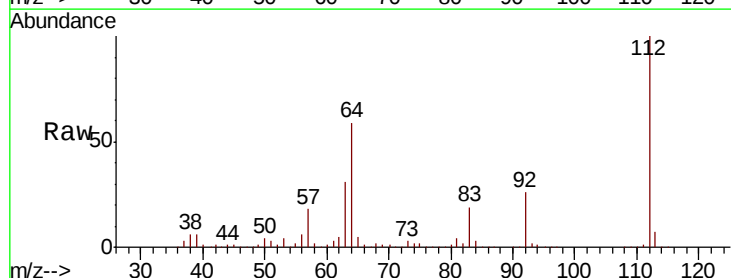
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 57.149 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	30.6	23.7	35.5

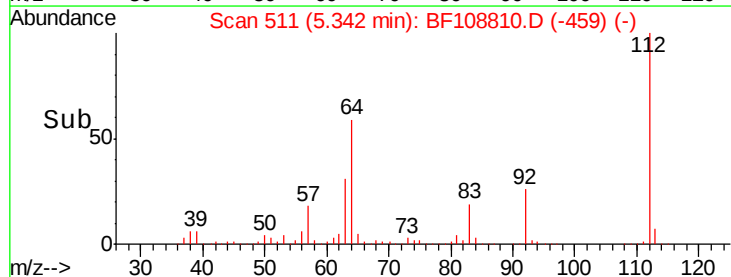
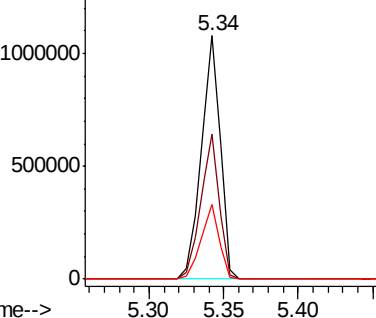


Abundance

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: 57.347 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

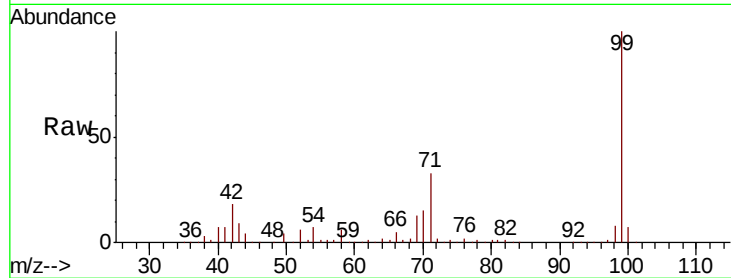
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1262108

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.5	21.7
71	32.6	25.4	38.0

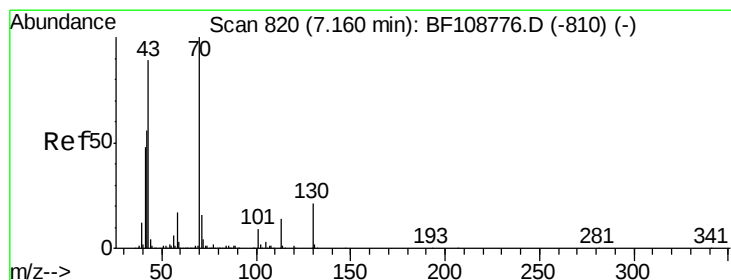
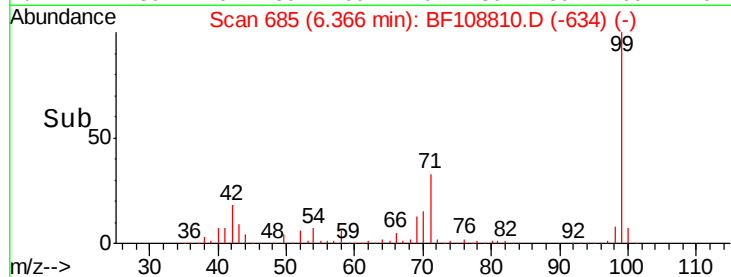
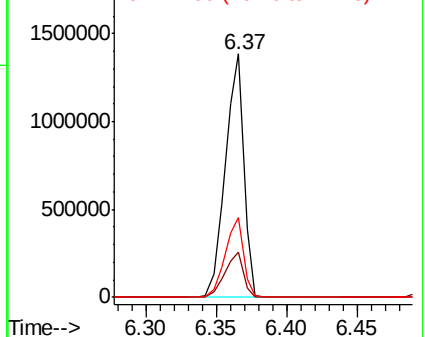


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 6.868 ng

RT: 7.29 min Scan# 842

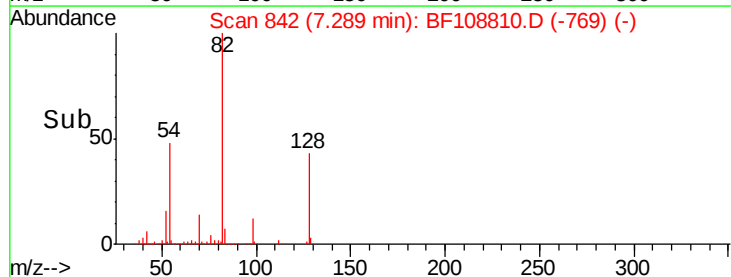
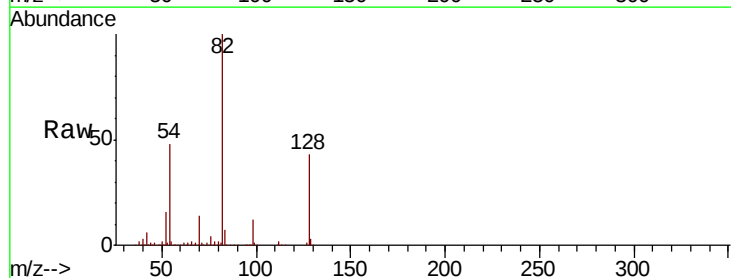
Delta R.T. 0.13 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

Tgt Ion: 70 Resp: 105062

Ion	Ratio	Lower	Upper
70	100		
42	46.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



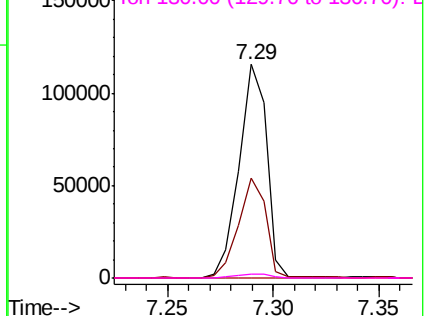
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1067584

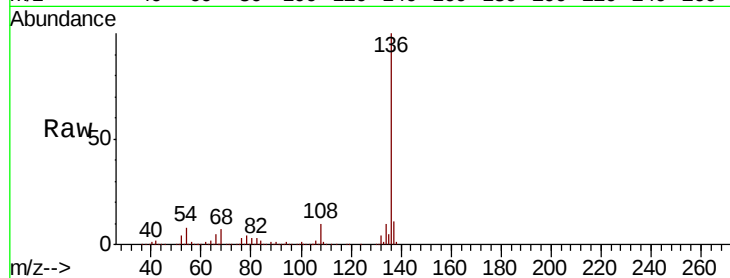
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	6.7	5.0	7.4

136 100

137 11.0 8.9 13.3

54 7.6 6.6 9.8

68 6.7 5.0 7.4

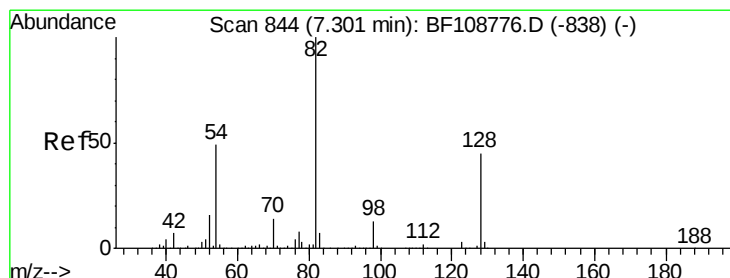
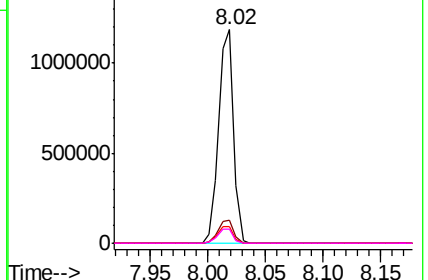
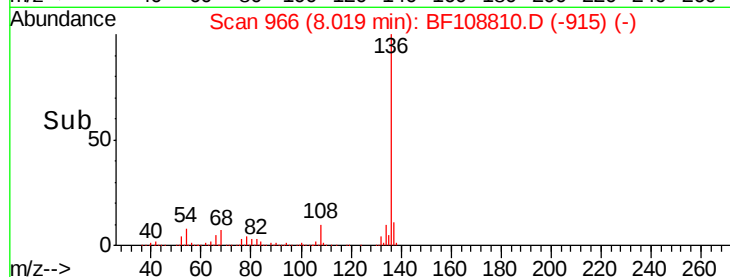


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 45.066 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

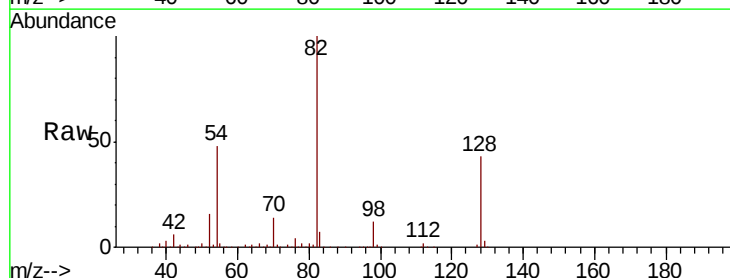
Tgt Ion: 82 Resp: 768792

Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	48.1	41.4	62.2

82 100

128 43.1 36.1 54.1

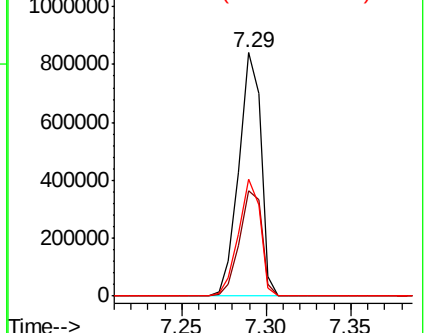
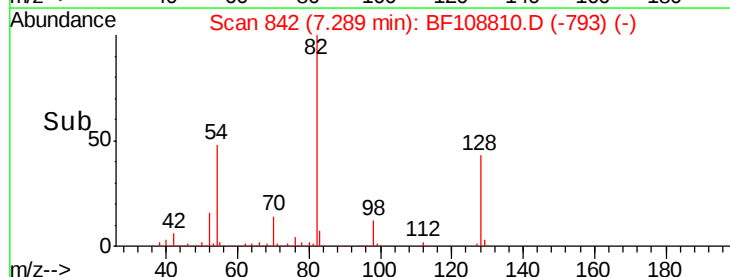
54 48.1 41.4 62.2



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





#25

Isophorone

Concen: 22.435 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

Instrument :

BNA_F

ClientSampleId :

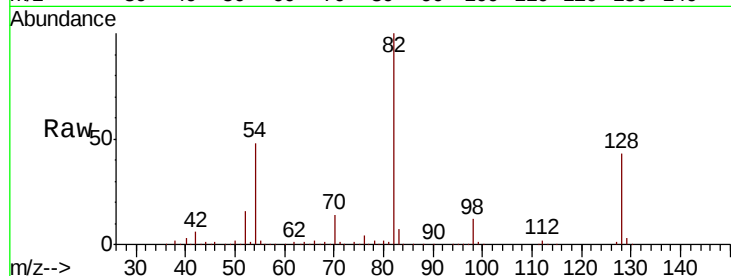
Tot Ion: 82 Resp: 763428

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

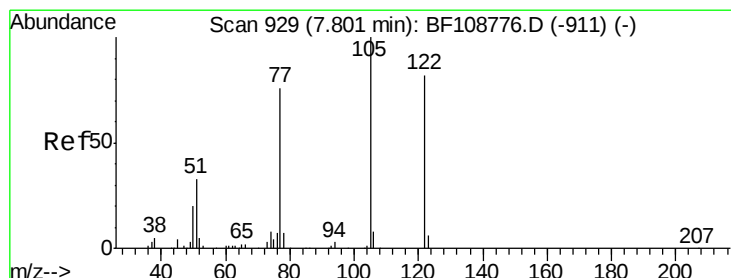
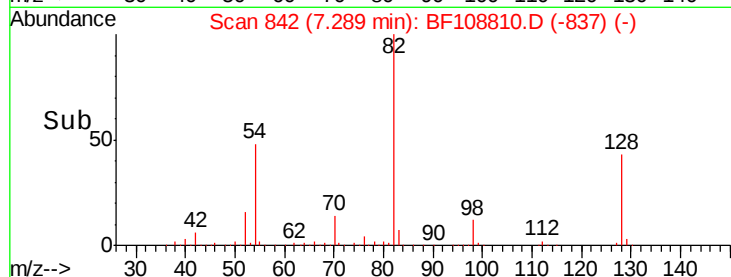
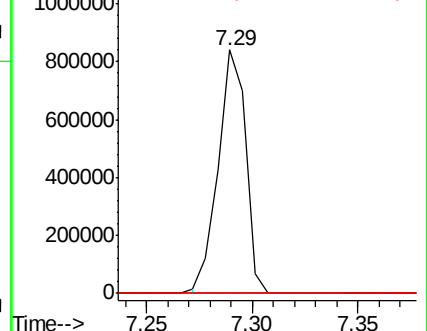
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 4.038 ng

RT: 7.80 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

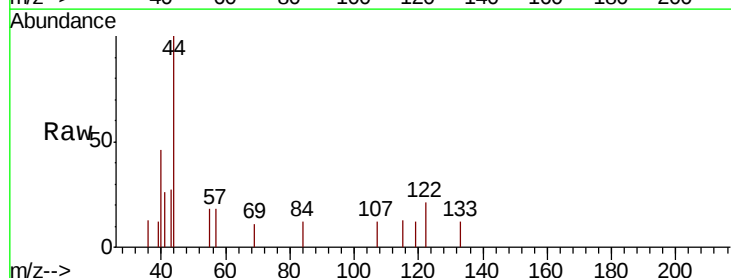
Tgt Ion: 122 Resp: 194

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

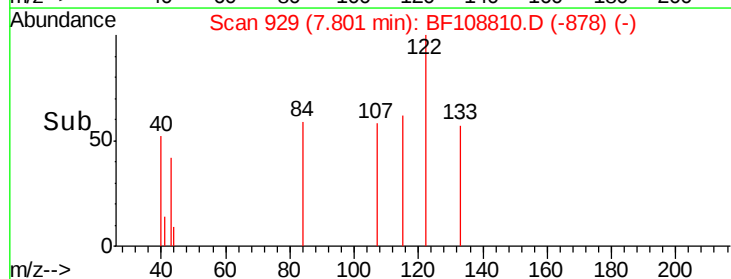
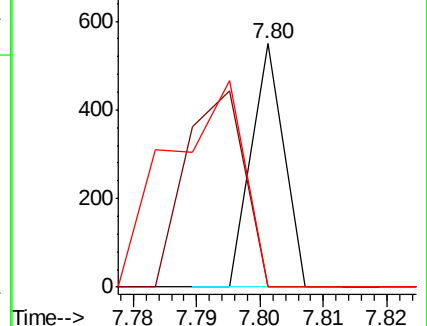
77 0.0 70.7 110.7#

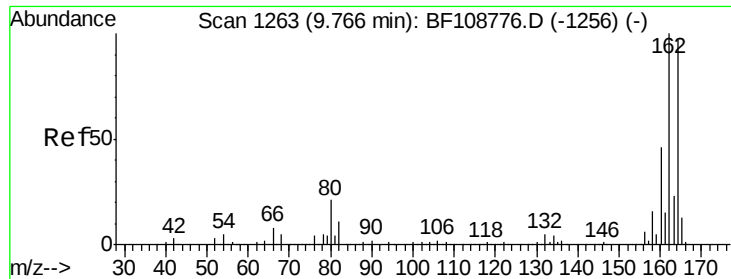


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

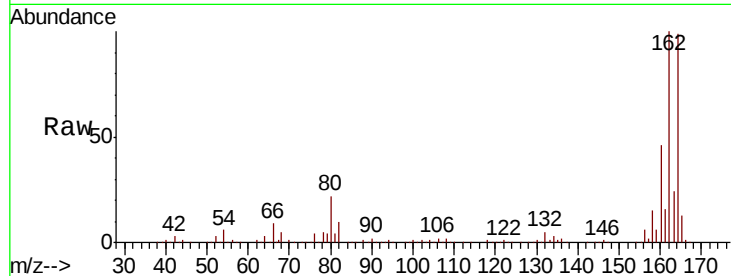




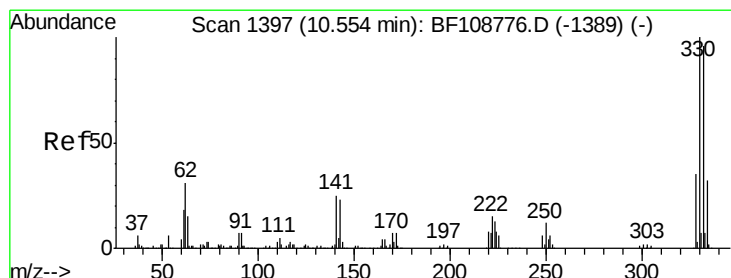
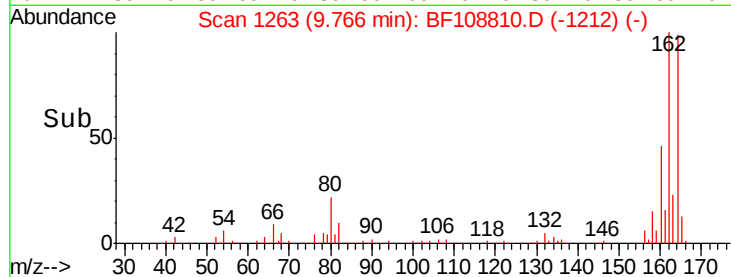
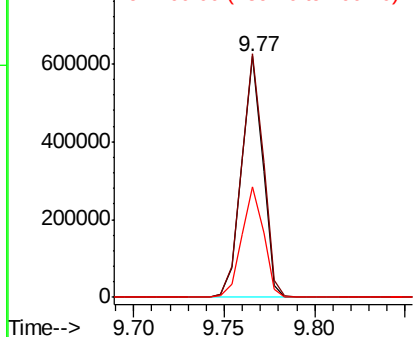
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108810.D
 Acq: 6 Sep 2018 8:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 501140
 Ion Ratio Lower Upper
 164 100
 162 101.1 86.1 129.1
 160 46.1 38.3 57.5

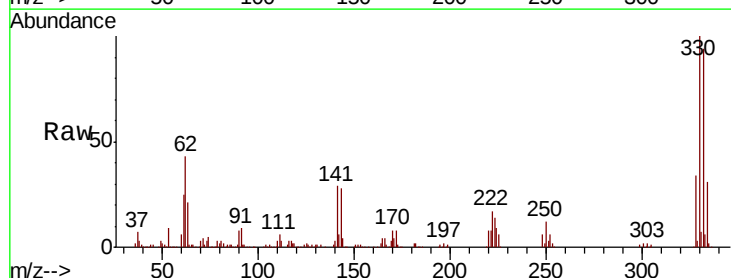


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

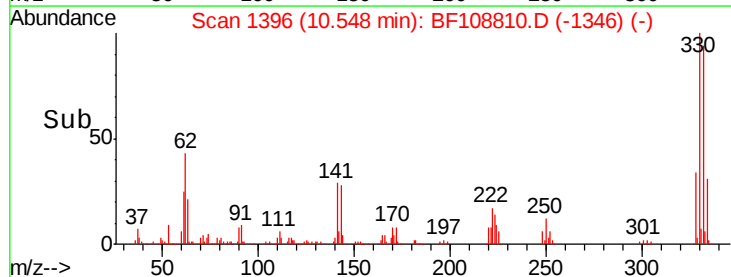
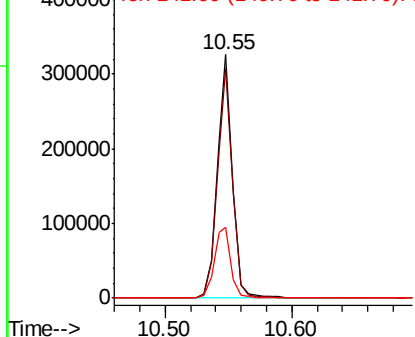


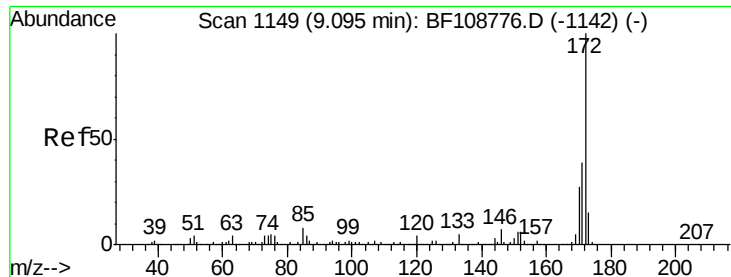
#41
 2,4,6-Tribromophenol
 Concen: 57.158 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108810.D
 Acq: 6 Sep 2018 8:04

Tgt Ion:330 Resp: 273450
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 32.2 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

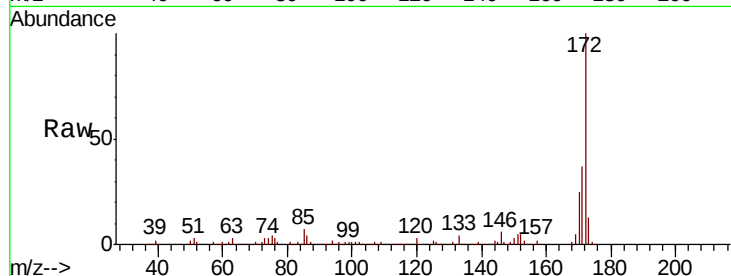




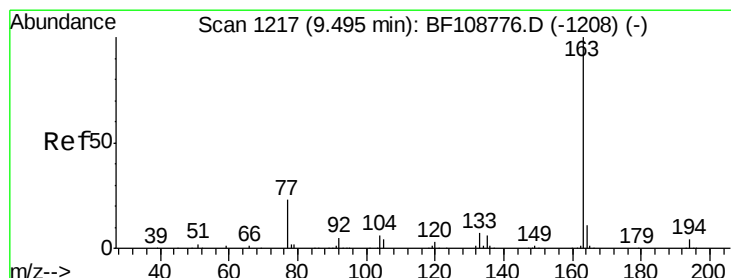
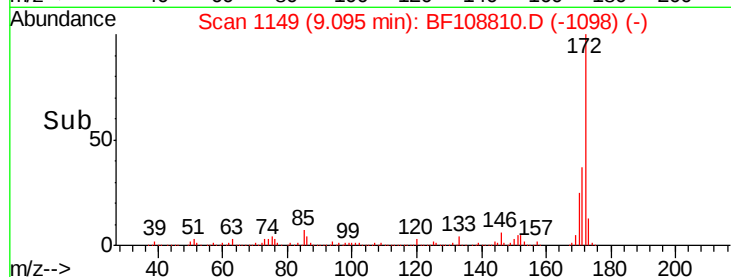
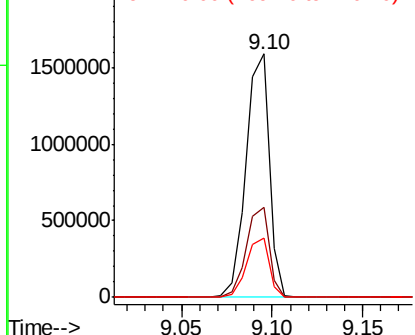
#44
2-Fluorobiphenyl
Concen: 48.462 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1423591
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.6 19.6 29.4

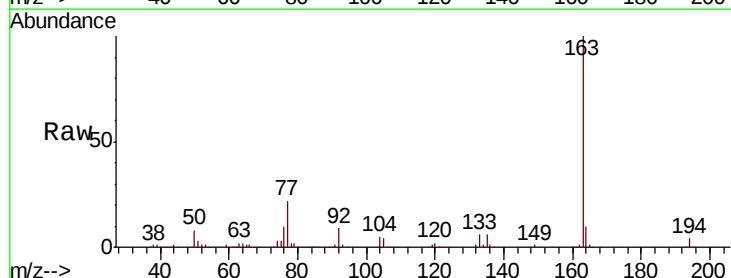


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

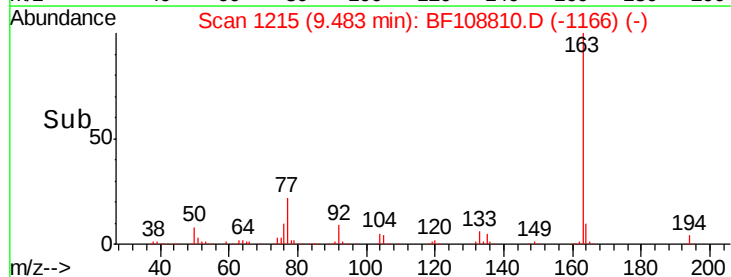
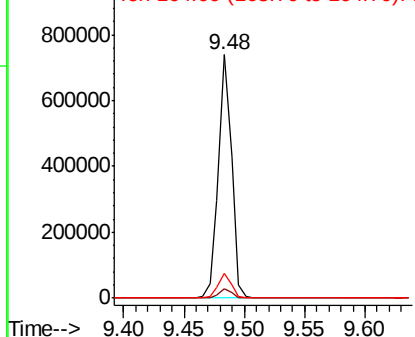


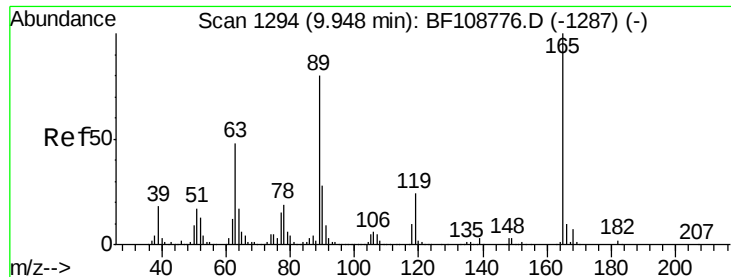
#49
Dimethylphthalate
Concen: 15.798 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Tgt Ion:163 Resp: 553735
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.0 8.2 12.2



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

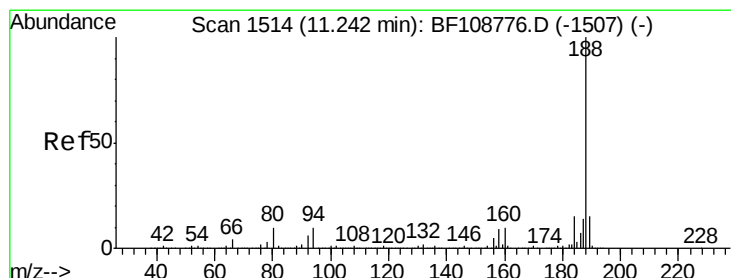
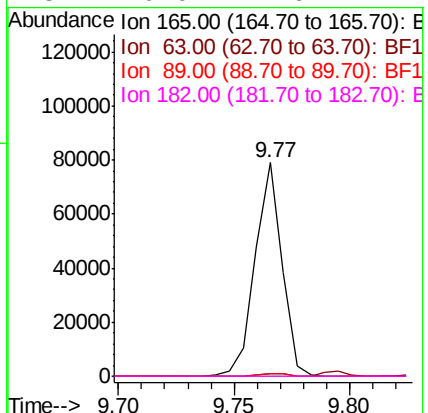
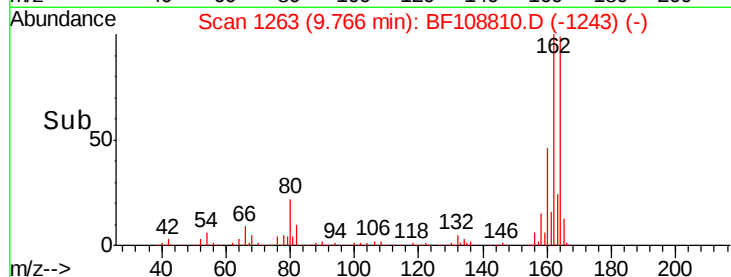
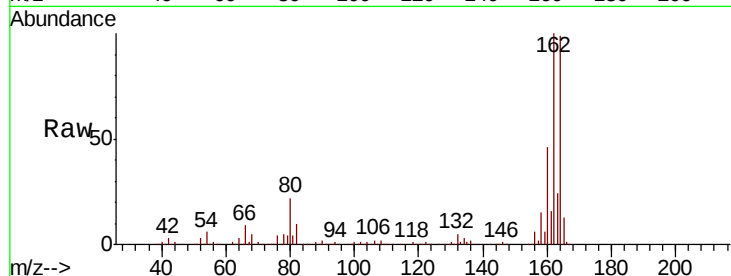




#56
2,4-Dinitrotoluene
Concen: 7.517 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.18 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

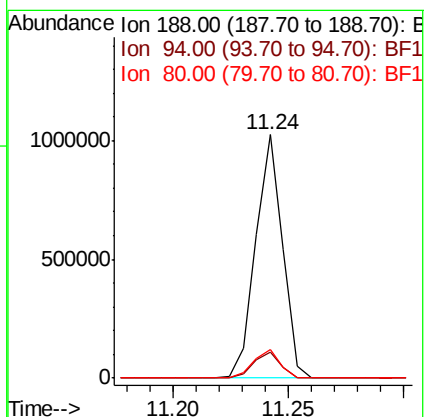
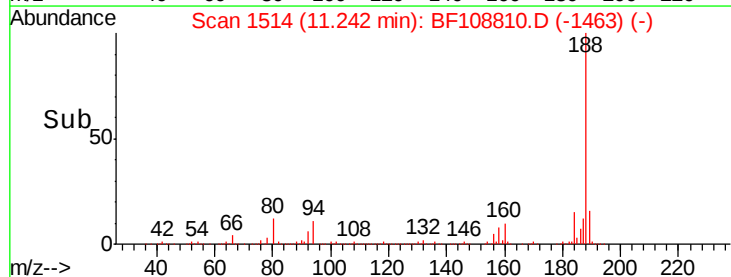
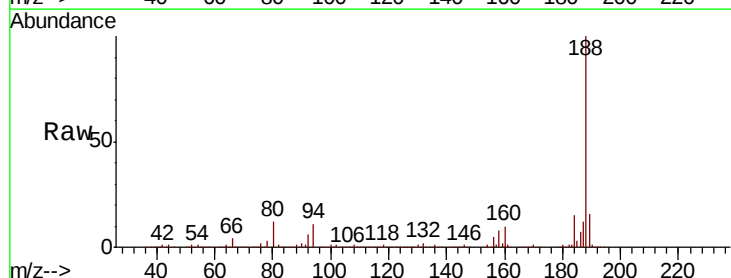
Instrument :
BNA_F
ClientSampleId :

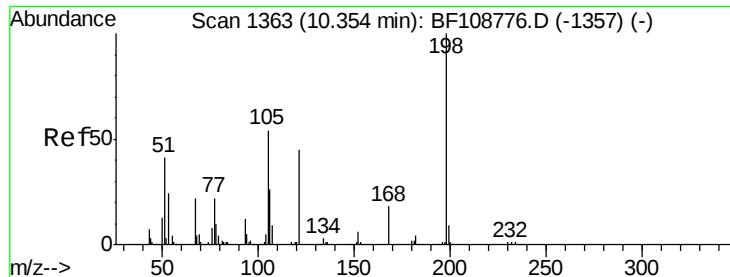
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.6	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.048 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

Instrument :

BNA_F

ClientSampled :

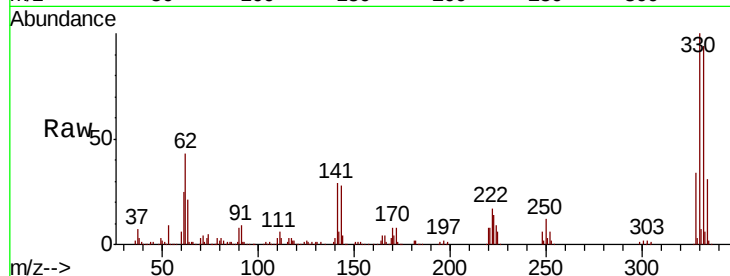
Tot Ion:198 Resp: 686

Ion Ratio Lower Upper

198 100

51 208.5 37.7 77.7#

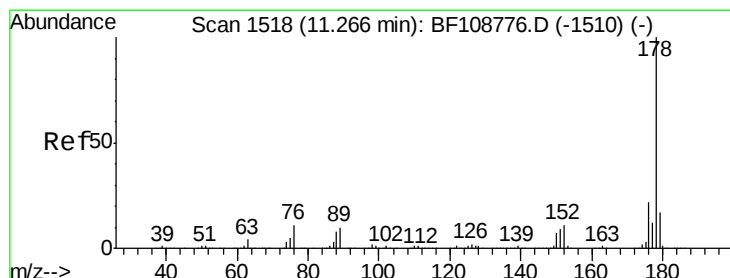
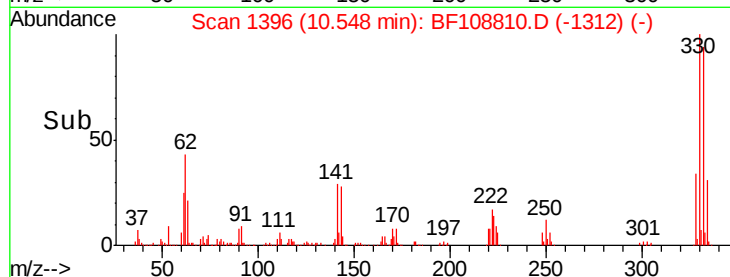
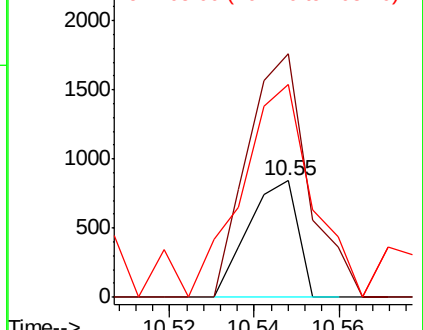
105 182.6 36.3 76.3#



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



#70

Phenanthrene

Concen: 7.140 ng

RT: 11.27 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

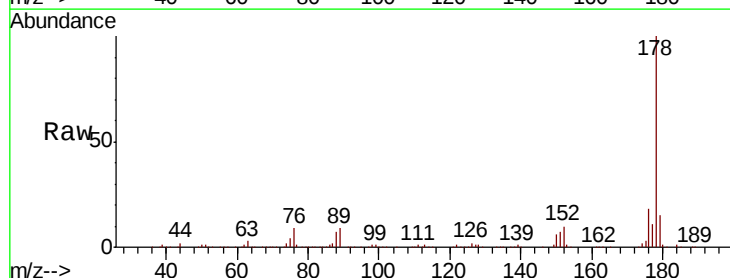
Tgt Ion:178 Resp: 284579

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

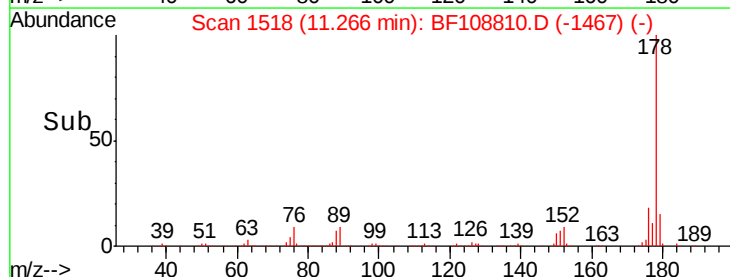
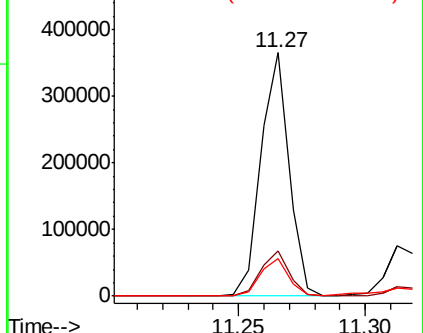
179 15.5 13.0 19.6

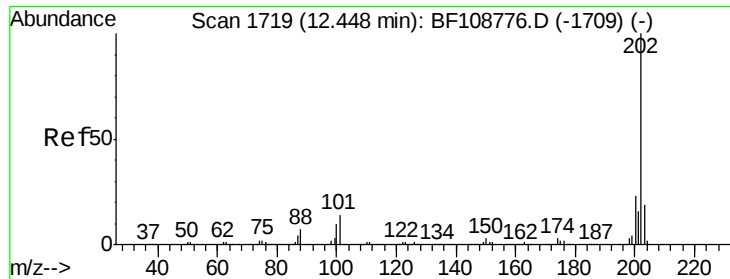


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.694 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

Instrument :

BNA_F

ClientSampleId :

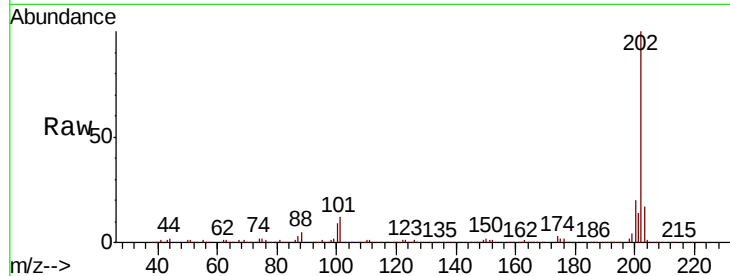
Tot Ion:202 Resp: 382563

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

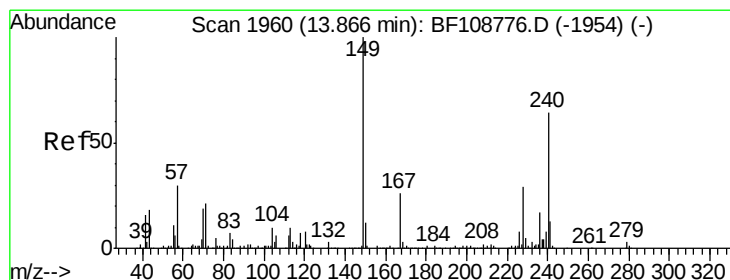
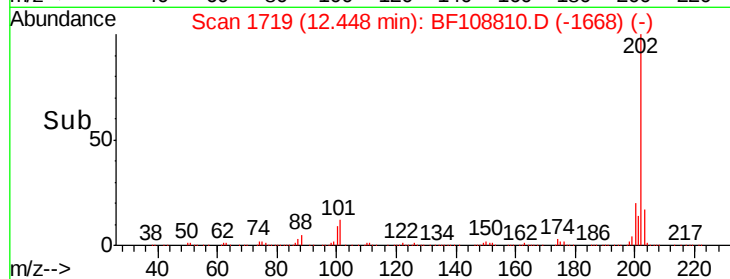
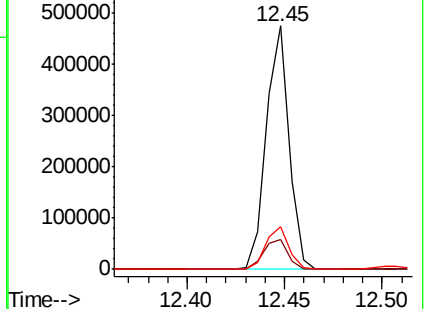
203 17.4 0.0 38.1



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: BF108810.D

Acq: 6 Sep 2018 8:04

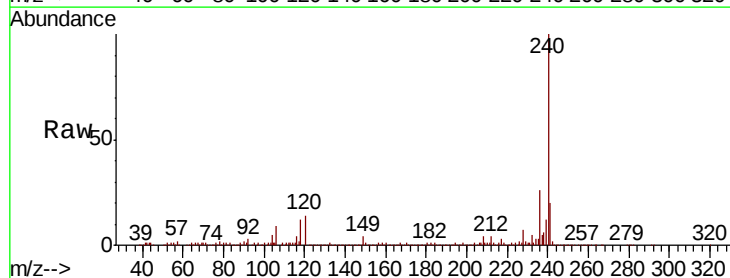
Tgt Ion:240 Resp: 610817

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

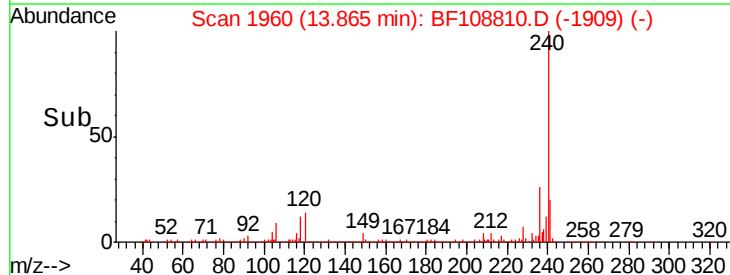
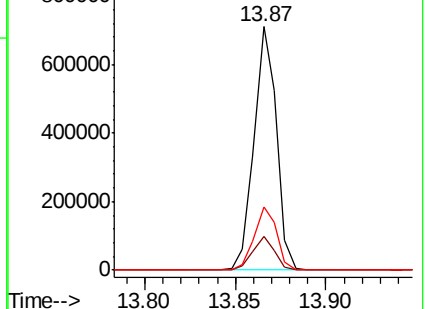
236 26.1 20.7 31.1

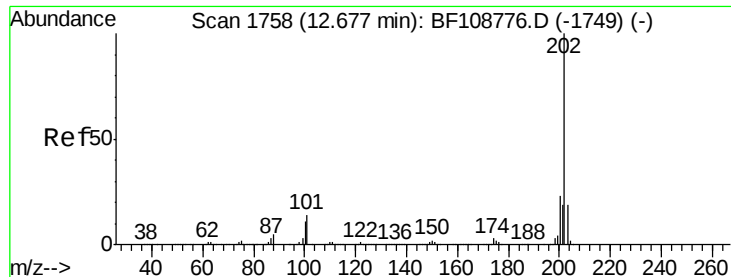


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

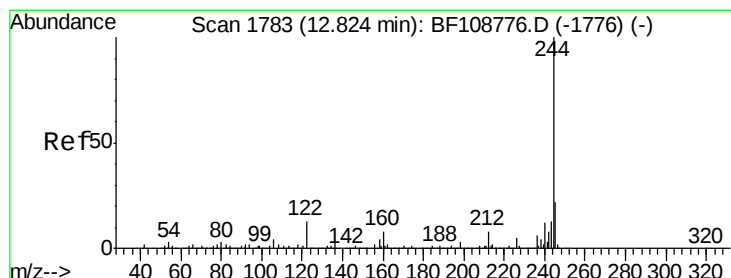
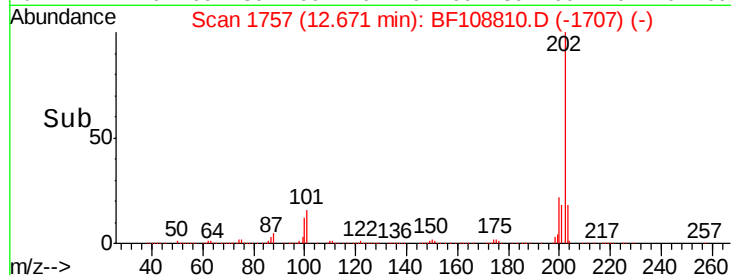
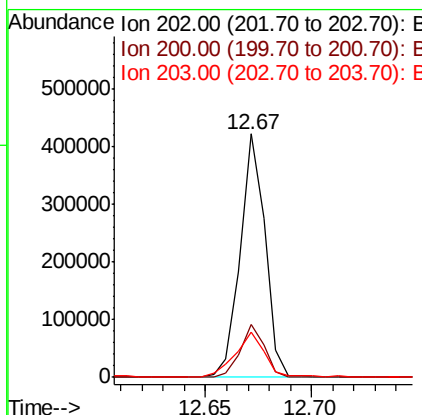
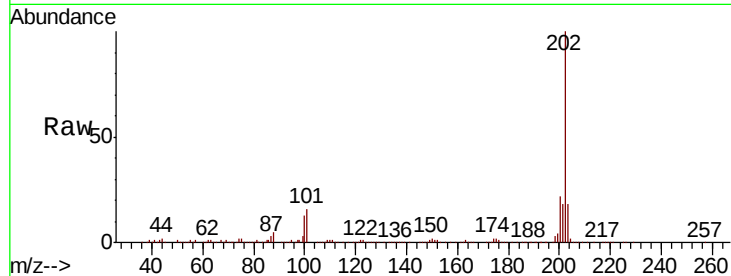




#77
Pvrene
Concen: 7.274 ng
RT: 12.67 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

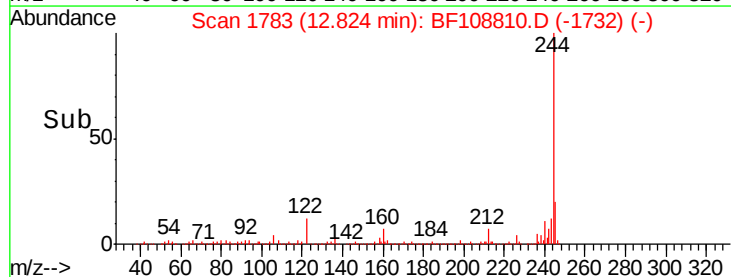
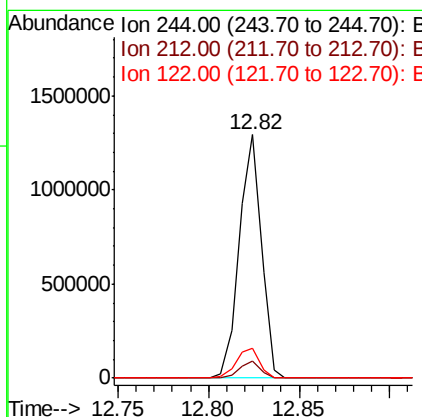
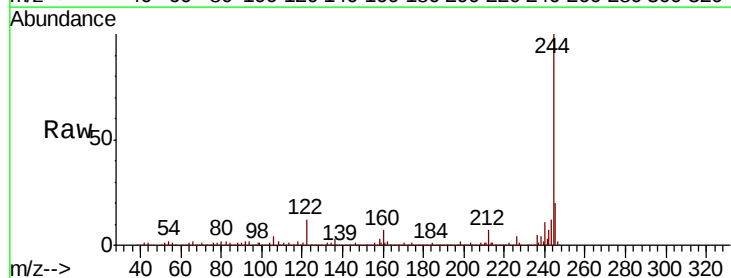
Instrument :
BNA_F
ClientSampled :

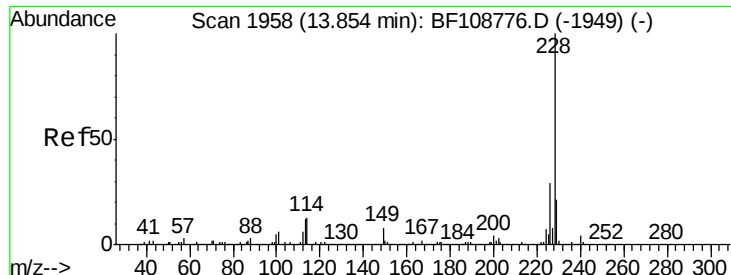
Tot Ion:202 Resp: 341898
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 18.4 14.3 21.5



#78
Terphenyl-d14
Concen: 41.869 ng
RT: 12.82 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Tgt Ion:244 Resp: 1096712
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 12.0 11.0 16.4





#80

Benzo(a)anthracene

Concen: 4.386 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BF108810.D

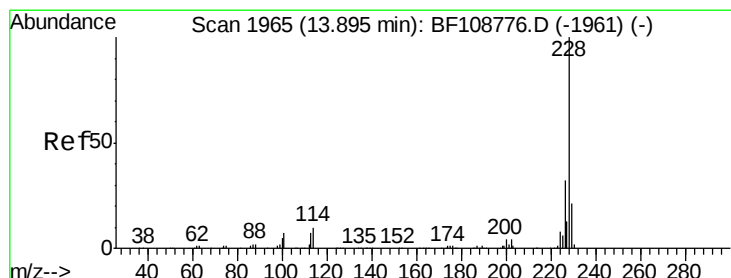
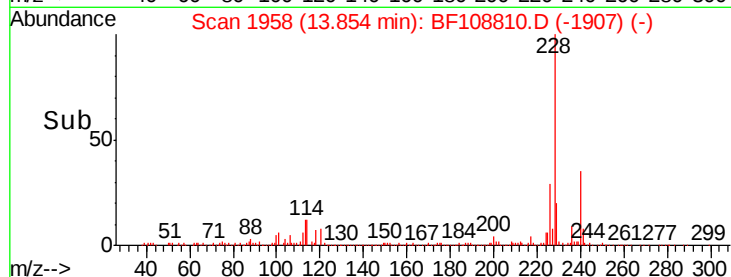
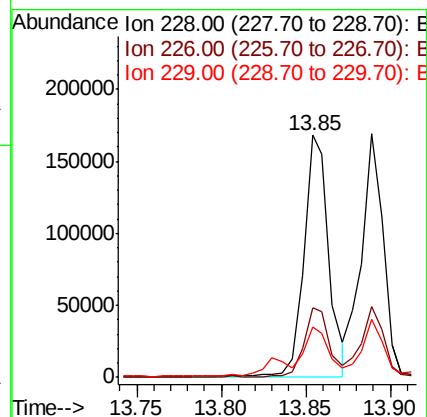
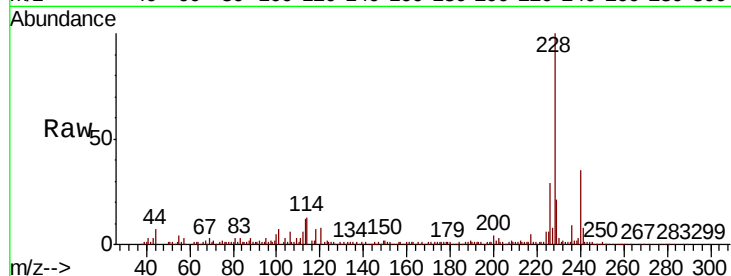
Acq: 6 Sep 2018 8:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	171737
Ion	Ratio	Lower Upper
228	100	
226	28.9	22.6 33.8
229	20.7	15.8 23.6



#82

Chrysene

Concen: 4.005 ng

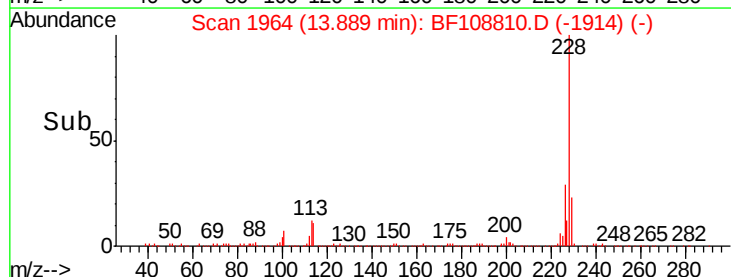
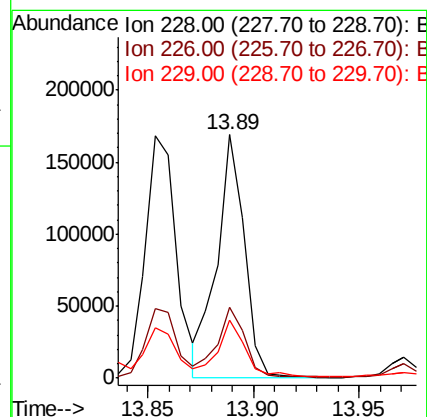
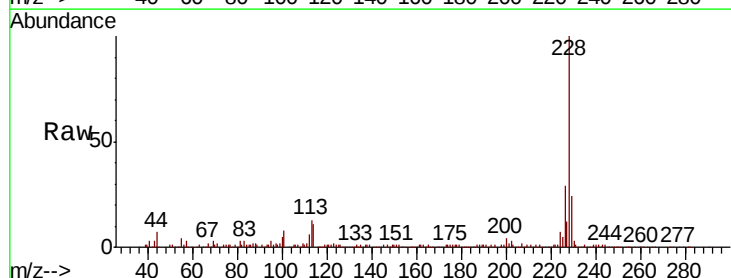
RT: 13.89 min Scan# 1964

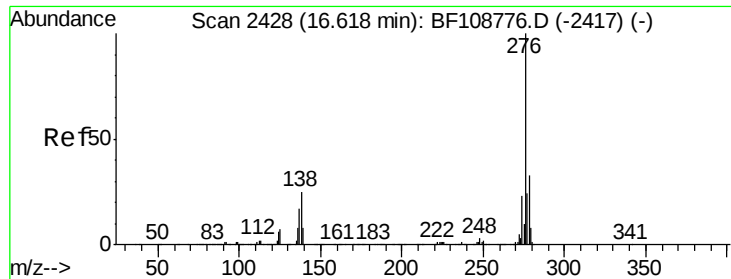
Delta R.T. -0.01 min

Lab File: BF108810.D

Acq: 6 Sep 2018 8:04

Tgt Ion:228	Resp:	151799
Ion	Ratio	Lower Upper
228	100	
226	29.3	25.0 37.6
229	23.6	16.2 24.4

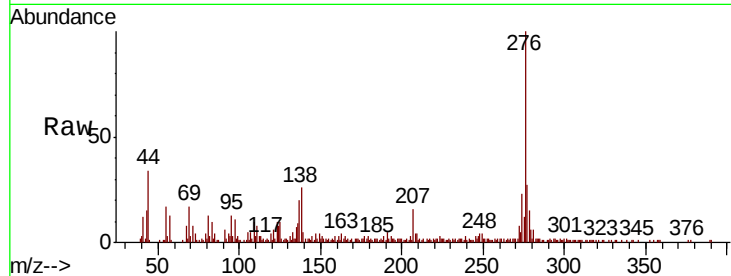




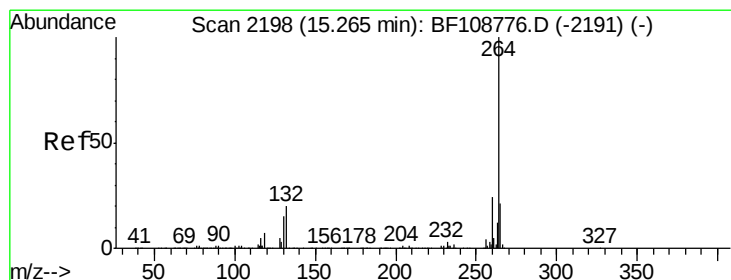
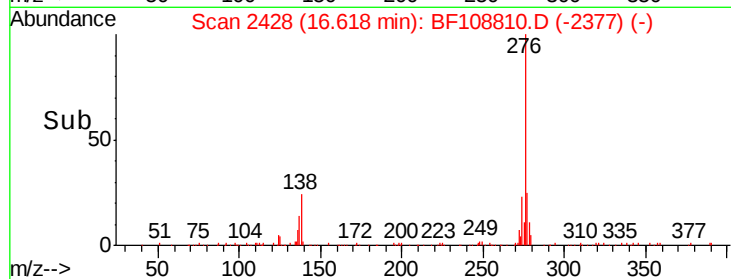
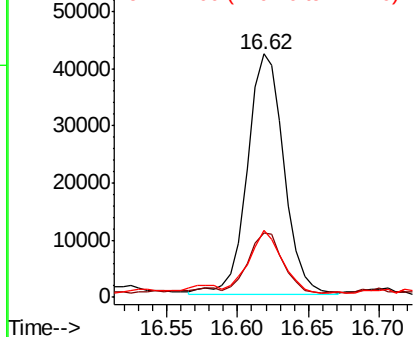
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.274 ng
 RT: 16.62 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BF108810.D
 Acq: 6 Sep 2018 8:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	25.0	37.6
277	24.0	20.1	30.1

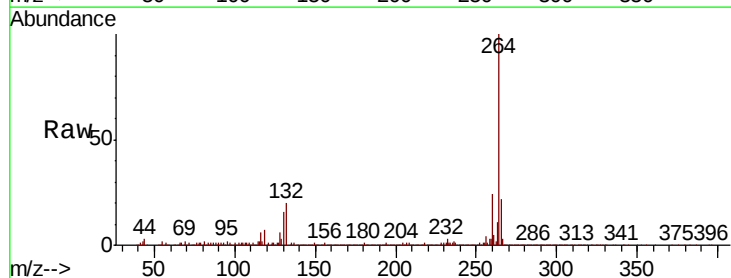


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

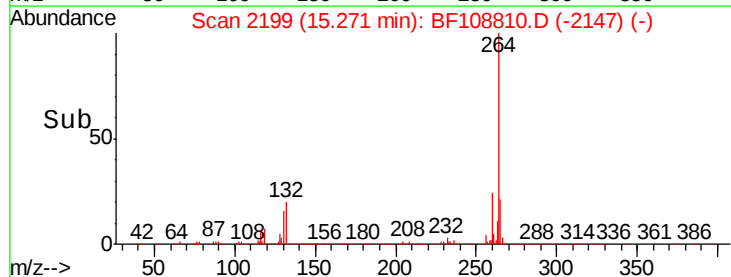
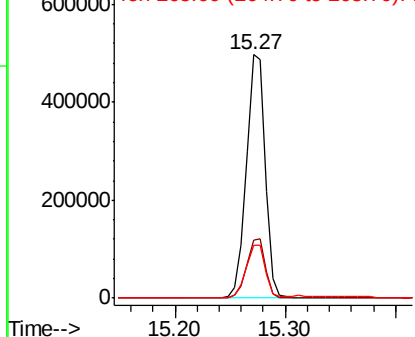


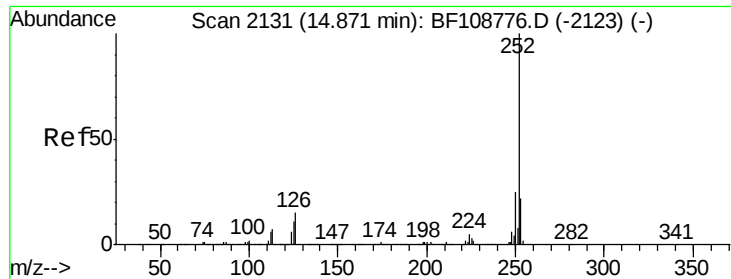
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: BF108810.D
 Acq: 6 Sep 2018 8:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

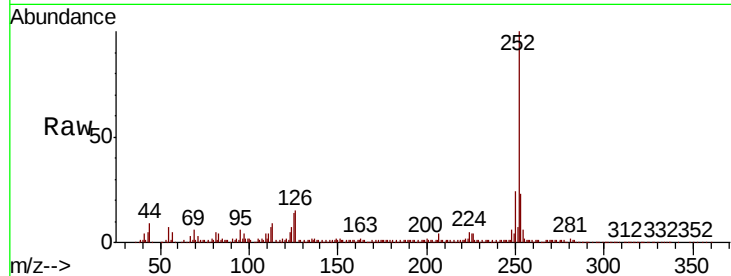




#87
Benzo(b)fluoranthene
Concen: 7.685 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.8	9.0	13.6#

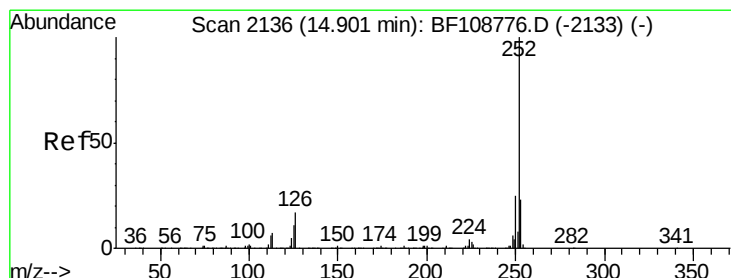
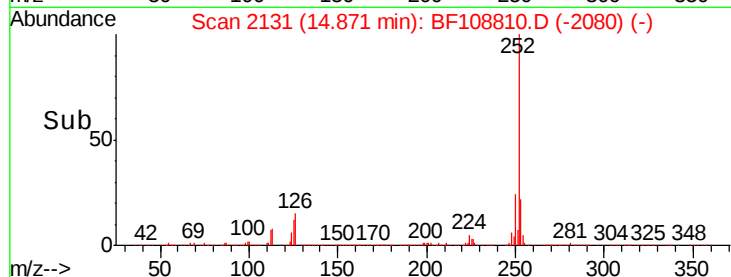
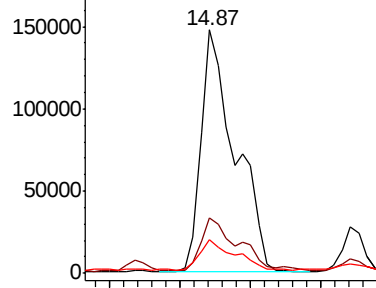


Abundance

Ion 252.00 (251.70 to 252.70): E

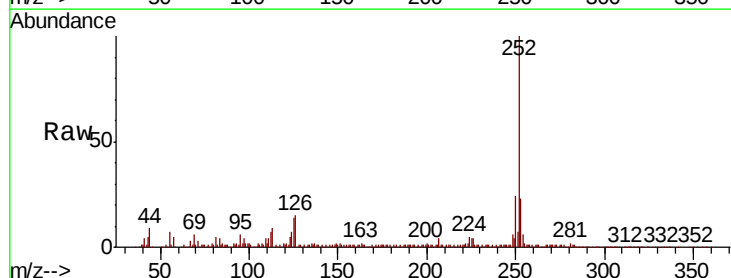
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 8.345 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.03 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	13.8	10.2	15.2

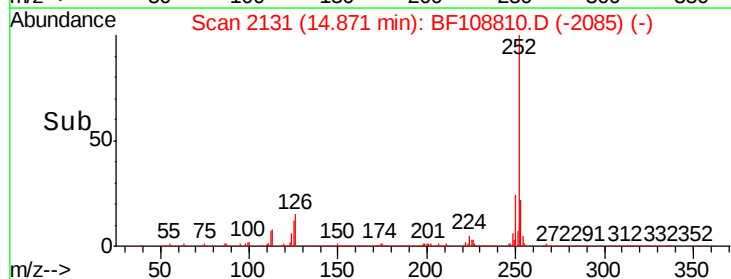
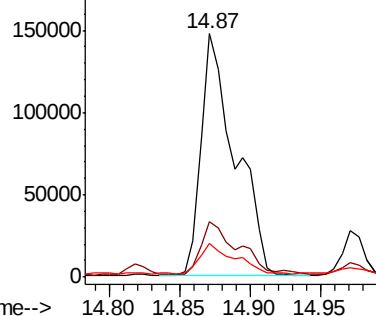


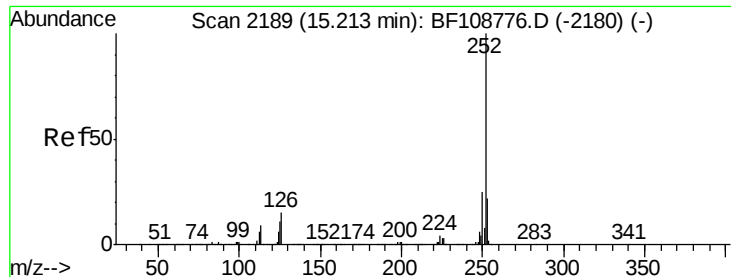
Abundance

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

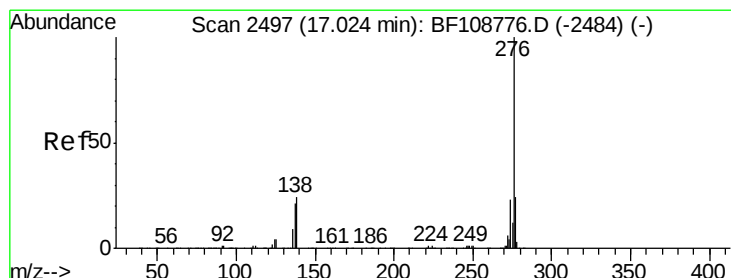
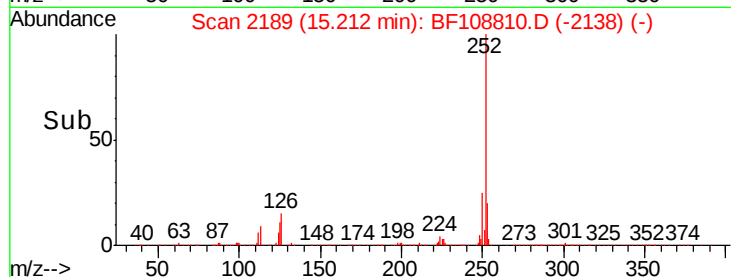
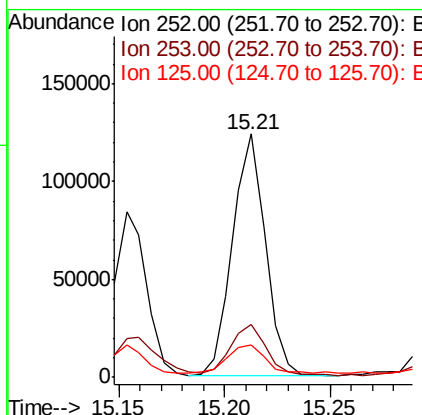
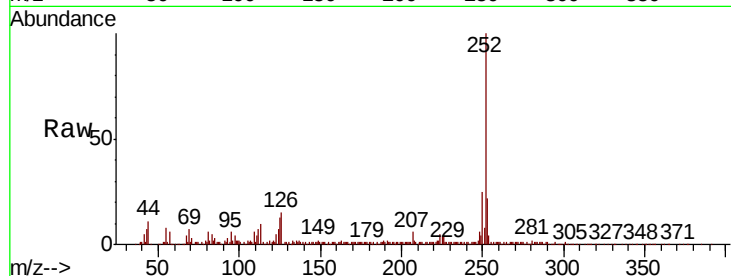




#89
Benzo(a)pyrene
Concen: 4.515 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	13.2	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.766 ng
RT: 17.02 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BF108810.D
Acq: 6 Sep 2018 8:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	26.5	21.8	32.8

