

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109110.D
 Acq On : 18 Sep 2018 21:50
 Operator : JU/SJ
 Sample : J4962-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:04:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

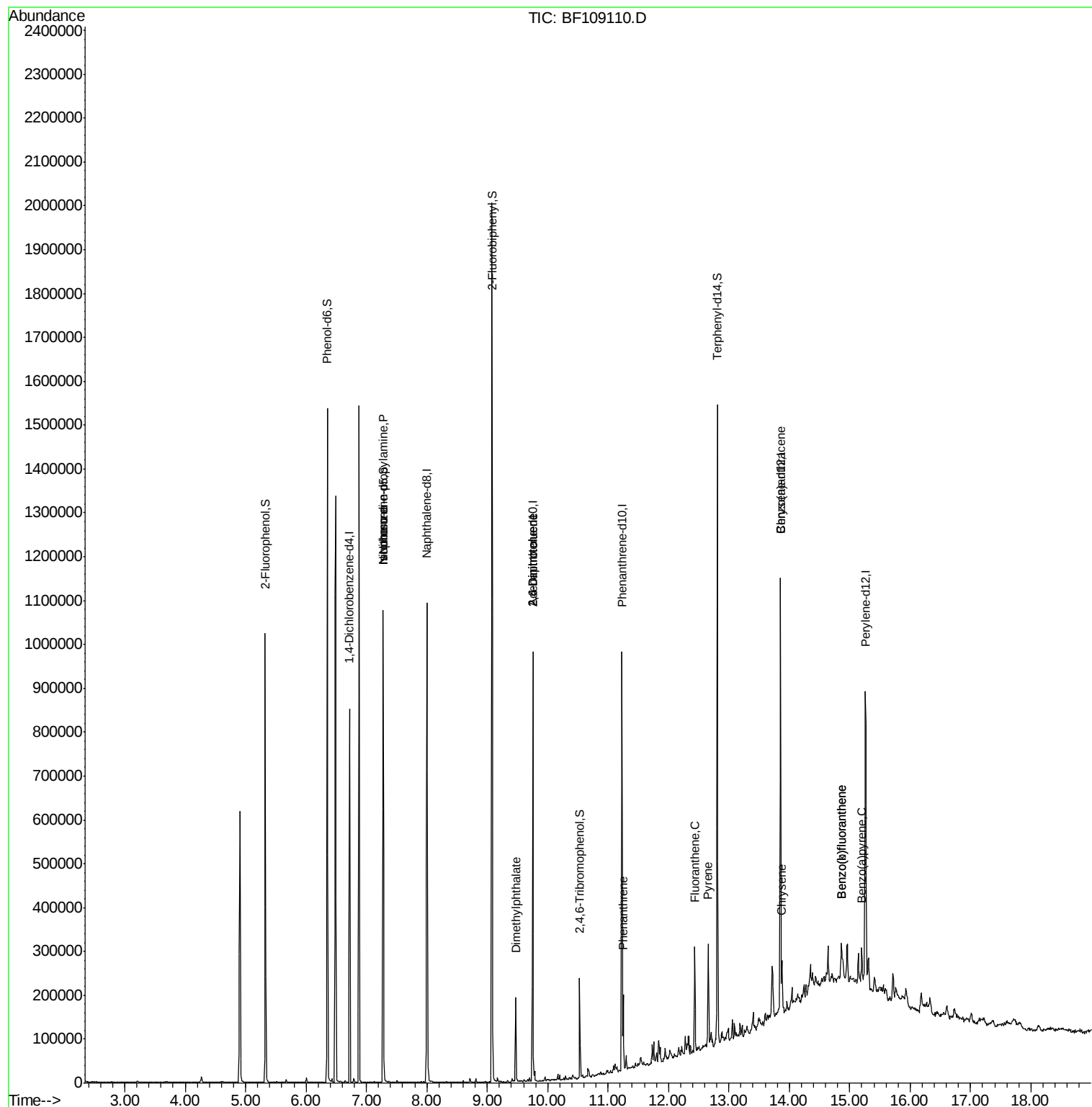
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	127237	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	452929	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	187959	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	315517	20.00	ng	0.00
75) Chrysene-d12	13.85	240	326188	20.00	ng	0.00
86) Perylene-d12	15.26	264	300205	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	291546	38.06	ng	0.00
7) Phenol-d6	6.35	99	471878	47.77	ng	0.00
23) Nitrobenzene-d5	7.28	82	312121	38.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	29103	14.27	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	578677	48.24	ng	0.00
78) Terphenyl-d14	12.81	244	503164	36.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	41653	6.379	ng	# 79
25) Isophorone	7.28	82	312116	22.485	ng	# 64
49) Dimethylphthalate	9.47	163	76234	5.675	ng	# 99
50) 2,6-Dinitrotoluene	9.75	165	23763	7.976	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	23763	6.099	ng	# 23
70) Phenanthrene	11.25	178	61245	3.960	ng	# 98
74) Fluoranthene	12.44	202	84828	5.195	ng	# 94
77) Pyrene	12.66	202	94546	3.902	ng	# 97
80) Benzo(a)anthracene	13.85	228	43267	2.191	ng	# 97
82) Chrysene	13.88	228	44883	2.272	ng	# 95
87) Benzo(b)fluoranthene	14.86	252	59558	3.586	ng	# 90
88) Benzo(k)fluoranthene	14.86	252	59558	3.839	ng	# 93
89) Benzo(a)pyrene	15.20	252	32918	2.232	ng	# 95

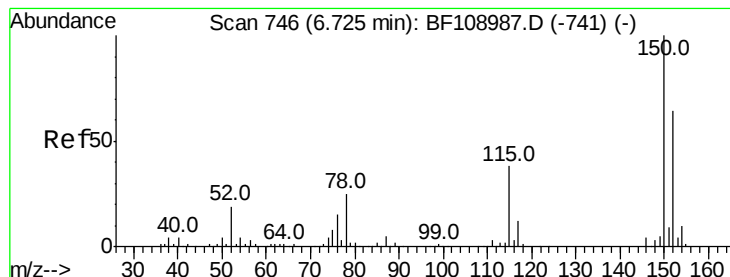
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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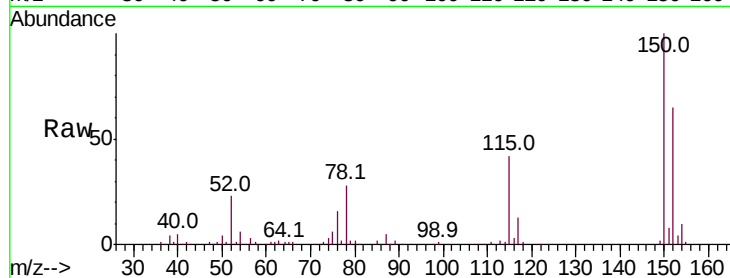


#1

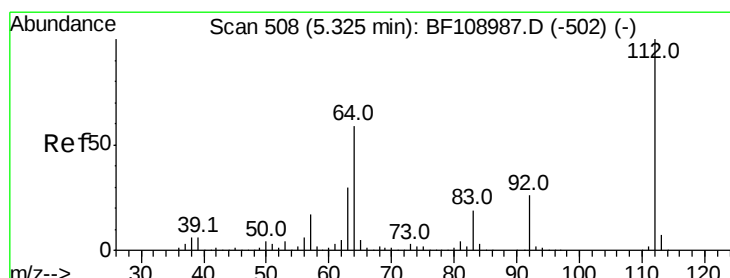
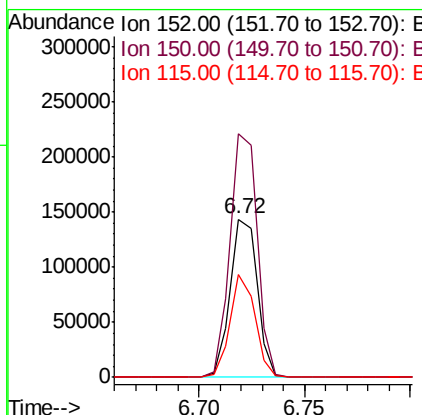
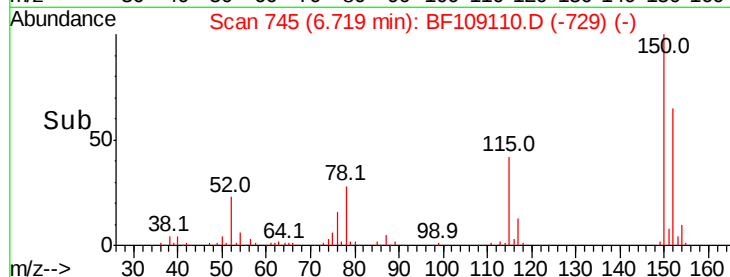
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	65.1	50.1	75.1



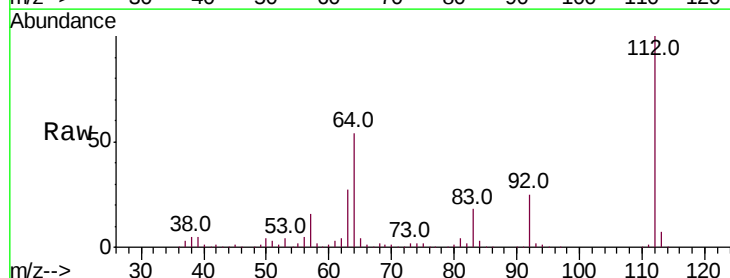
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



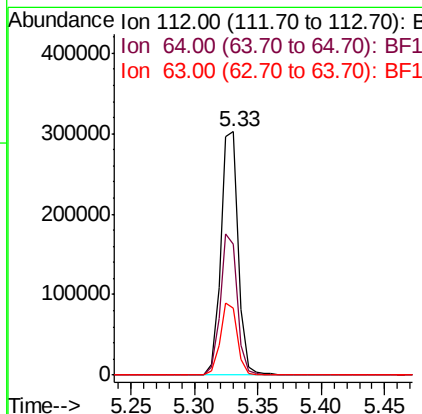
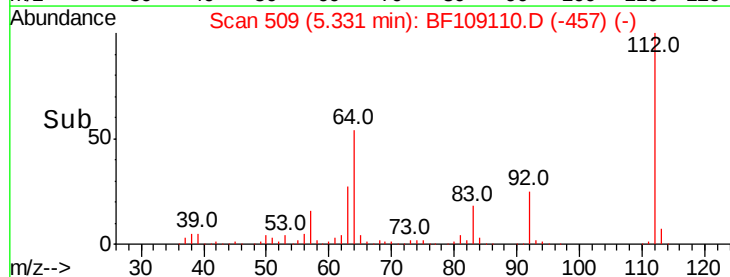
#5

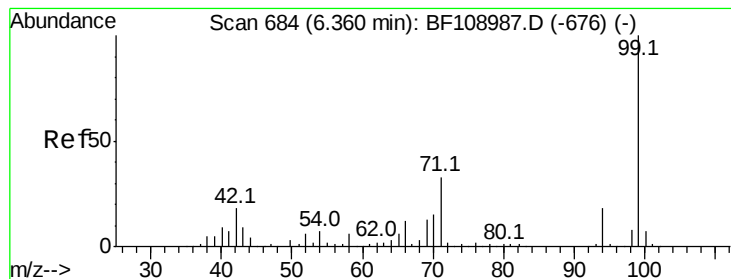
2-Fluorophenol
Concen: 38.057 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	27.4	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: 47.769 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

ClientSampleId :

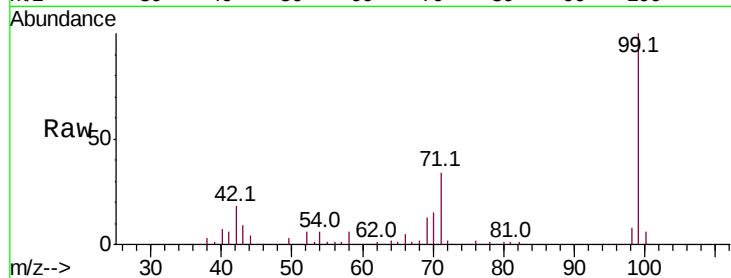
Tot Ion: 99 Resp: 471878

Ion Ratio Lower Upper

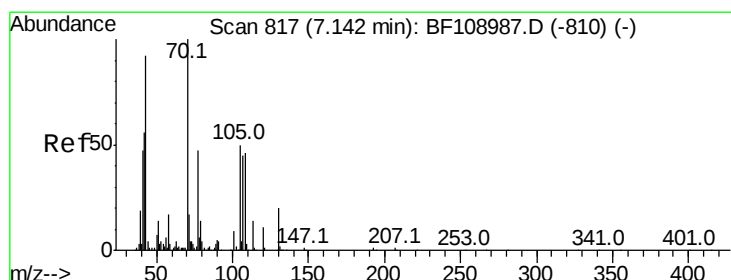
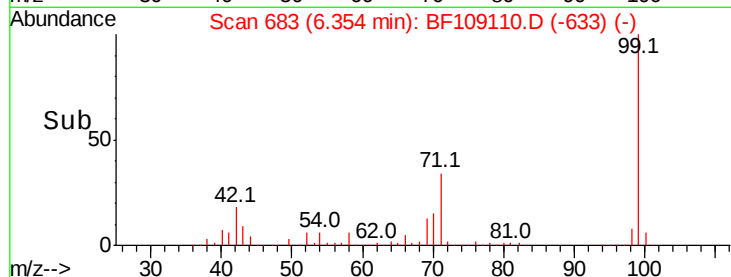
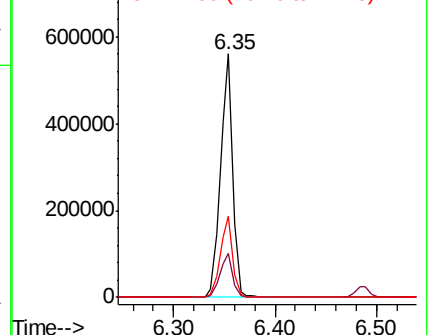
99 100

42 18.1 14.5 21.7

71 33.5 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: 6.379 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Tgt Ion: 70 Resp: 41653

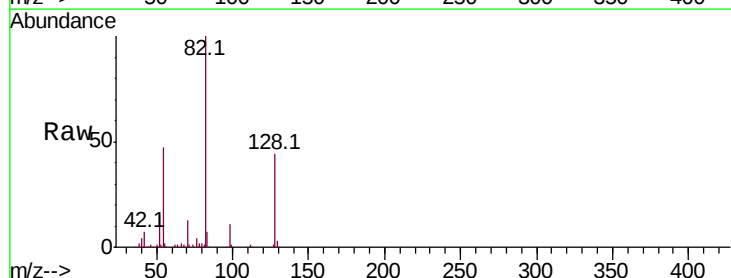
Ion Ratio Lower Upper

70 100

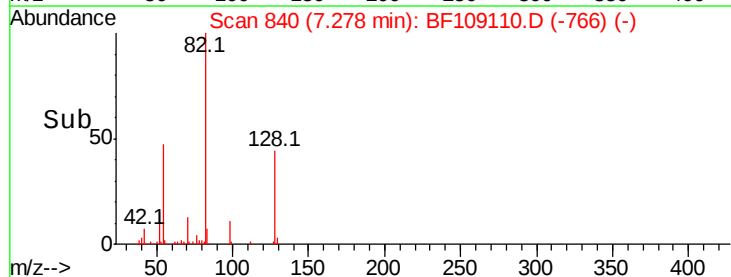
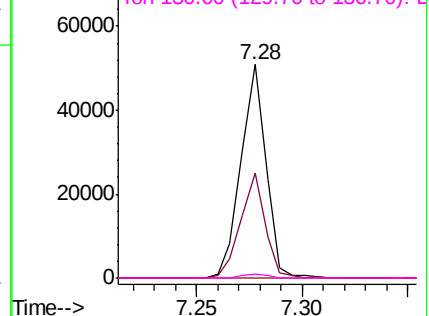
42 49.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 452929

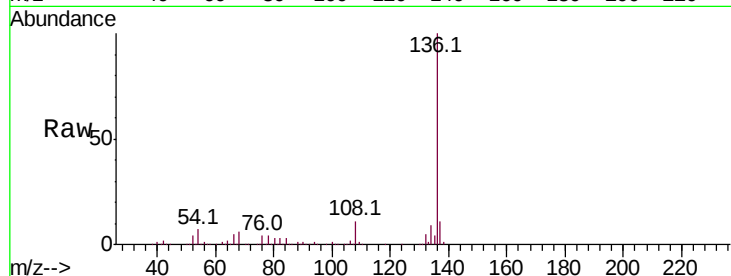
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.4 6.6 9.8

68 6.1 5.0 7.4

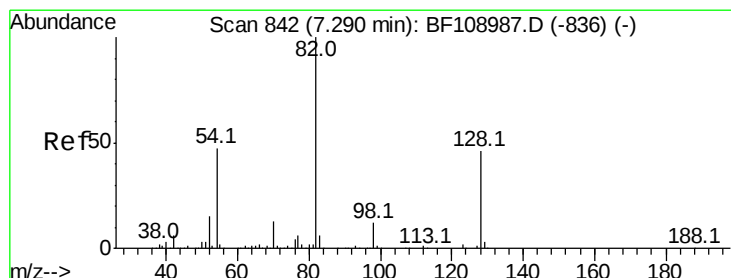
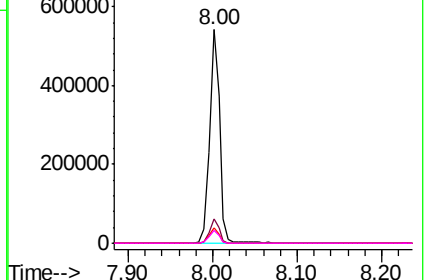
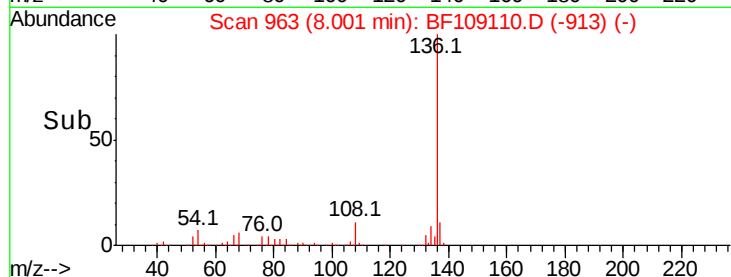


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.651 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

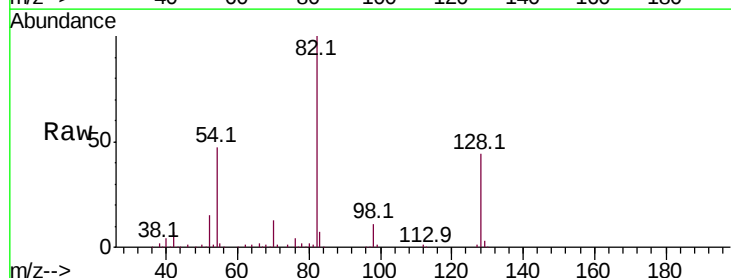
Tgt Ion: 82 Resp: 312121

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

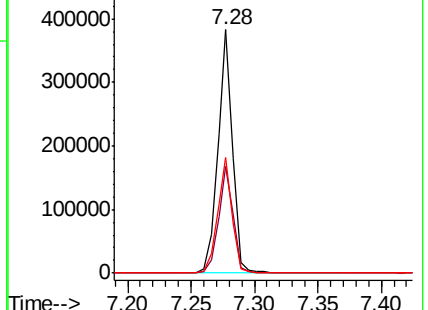
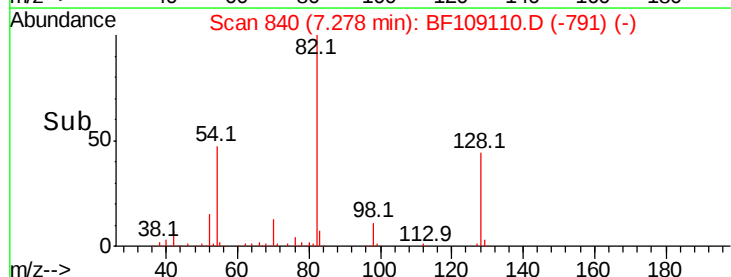
54 47.4 41.4 62.2

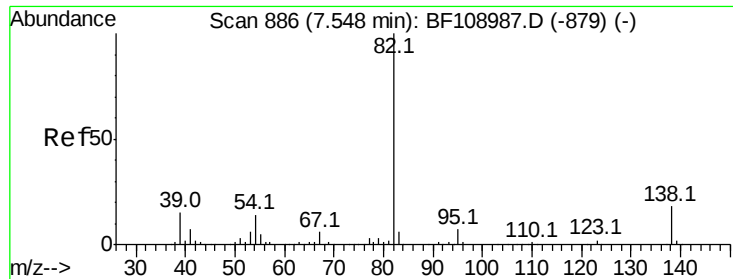


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

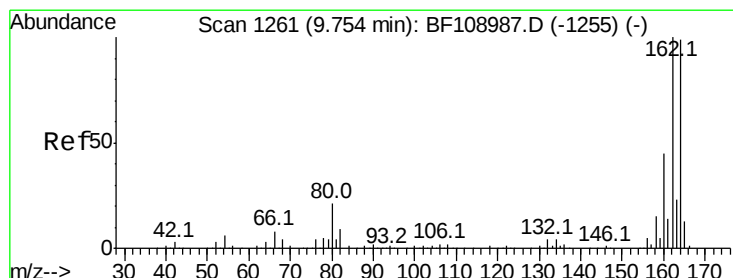
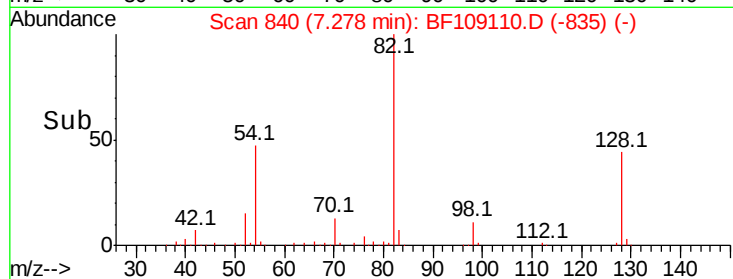
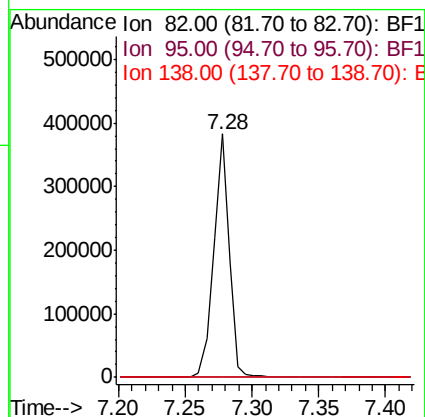
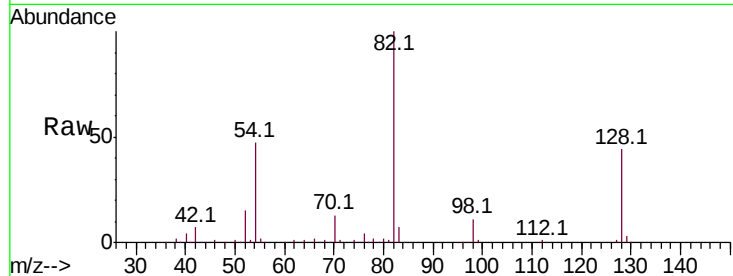




#25
Isophorone
Concen: 22.485 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

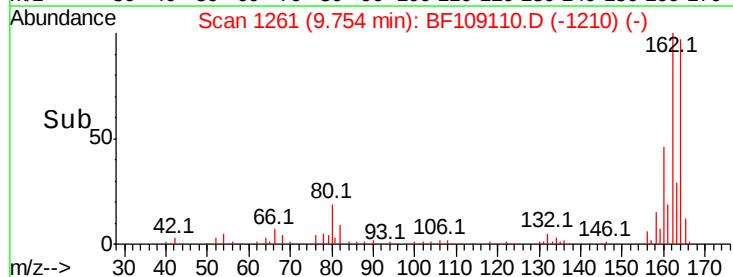
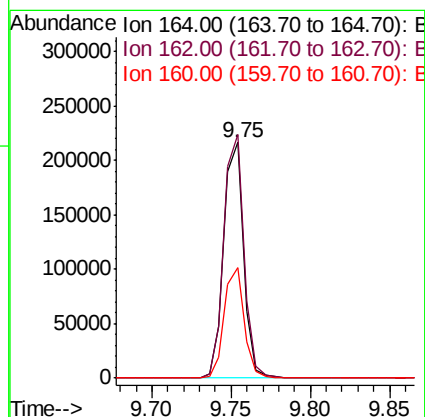
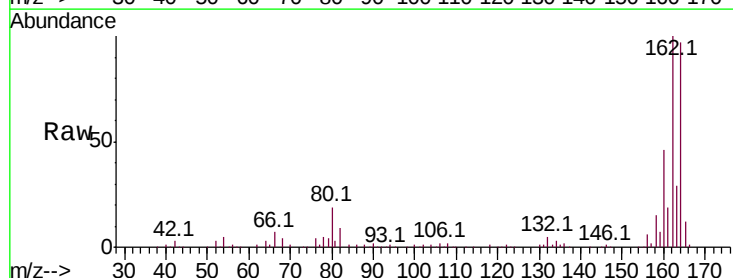
Instrument :
BNA_F
ClientSampled :

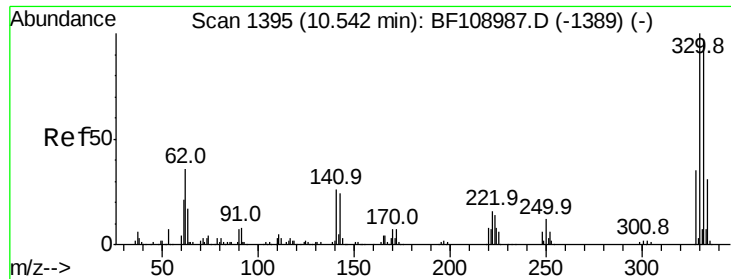
Tot Ion: 82 Resp: 312116
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion:164 Resp: 187959
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 47.1 38.3 57.5

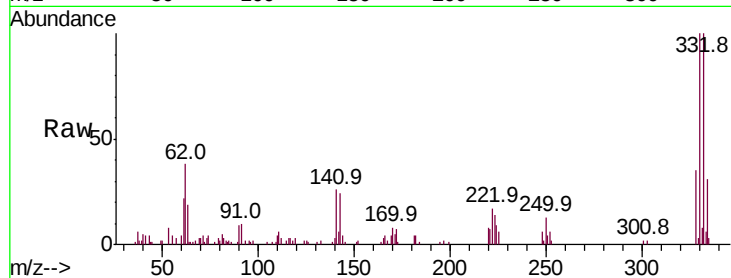




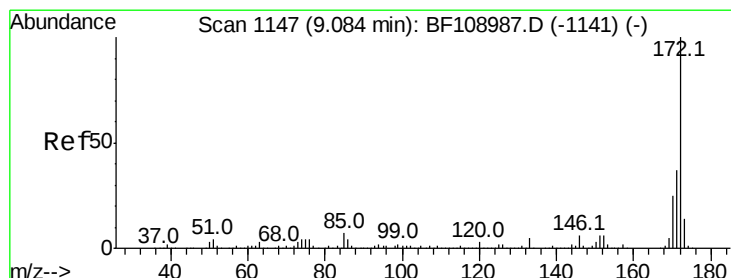
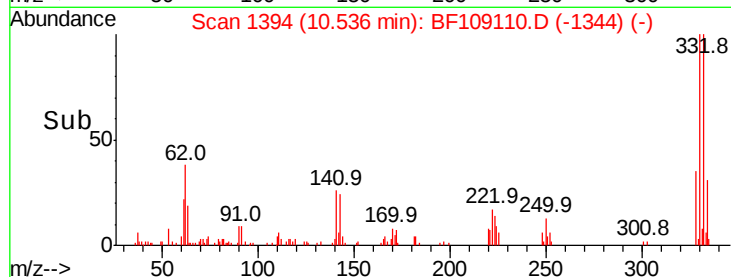
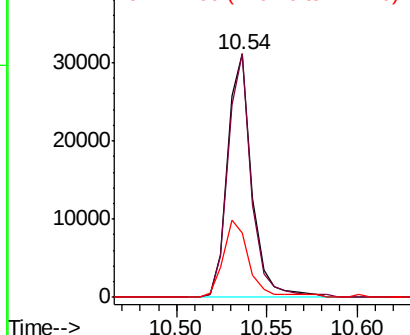
#41
 2,4,6-Tribromophenol
 Concen: 14.267 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	34.1	29.9	44.9

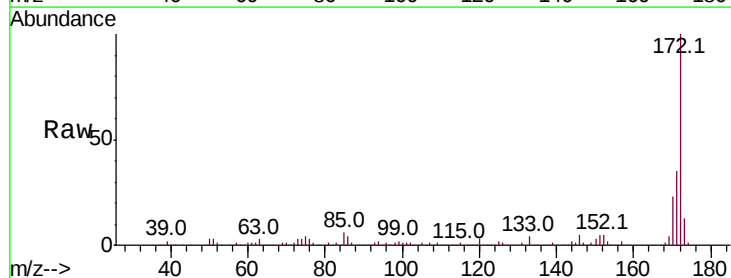


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

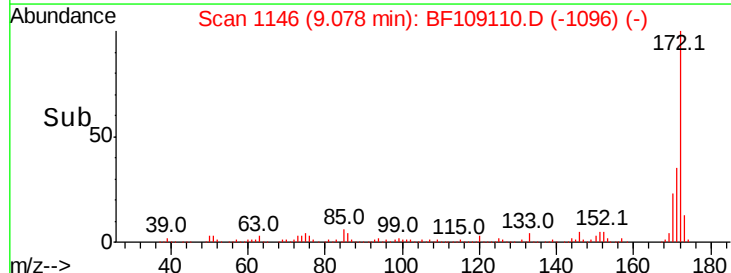
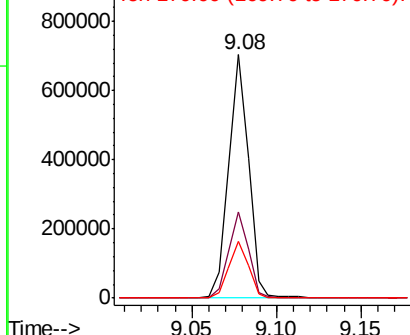


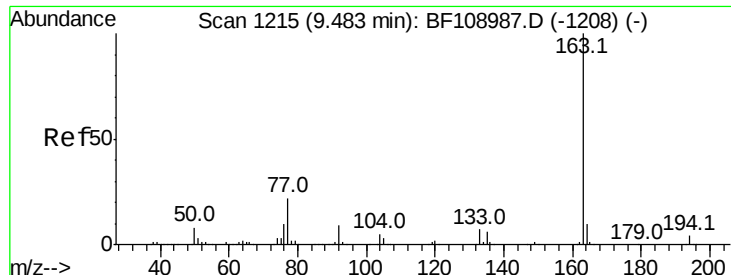
#44
 2-Fluorobiphenyl
 Concen: 48.236 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.3	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

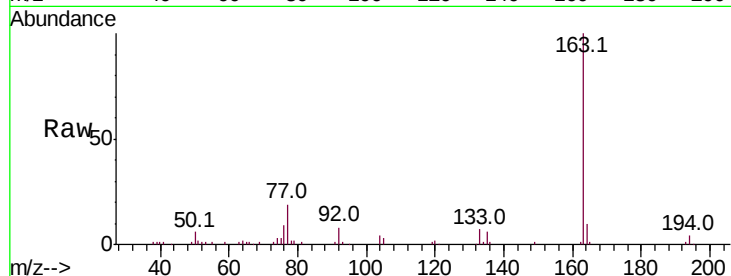




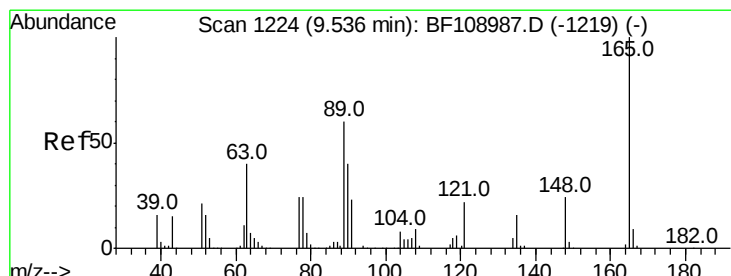
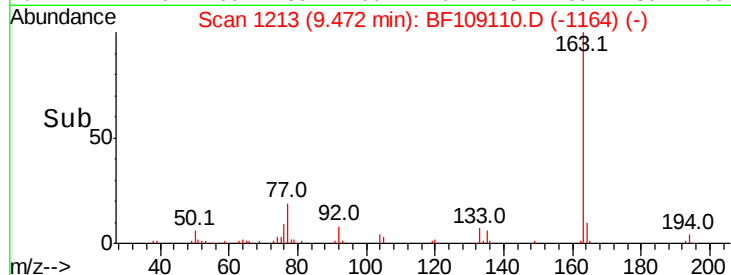
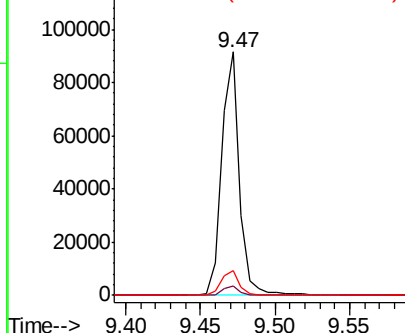
#49
Dimethylphthalate
Concen: 5.675 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 76234
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.0 8.2 12.2

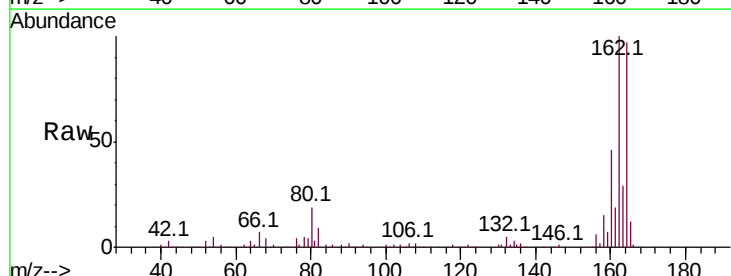


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

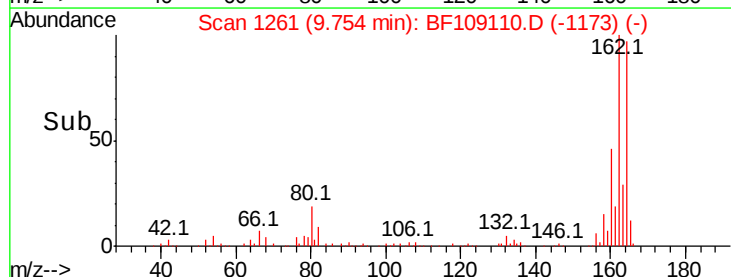
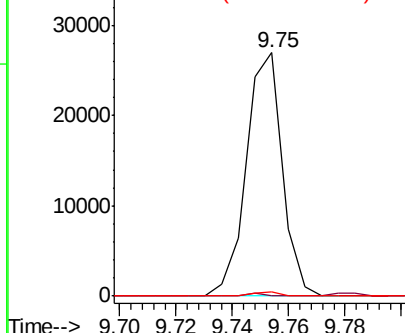


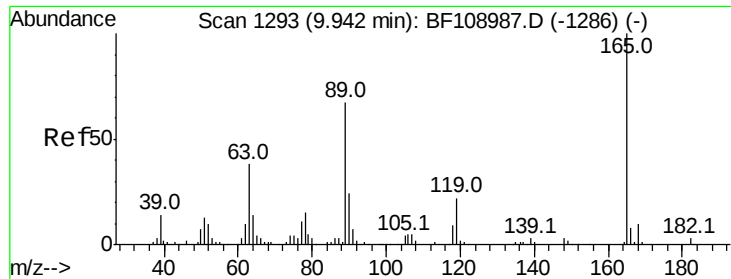
#50
2,6-Dinitrotoluene
Concen: 7.976 ng
RT: 9.75 min Scan# 1261
Delta R.T. 0.22 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion:165 Resp: 23763
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.6 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

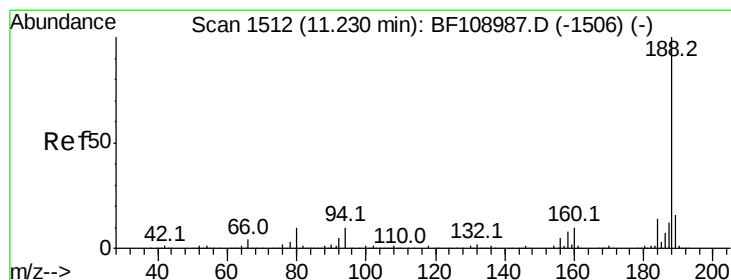
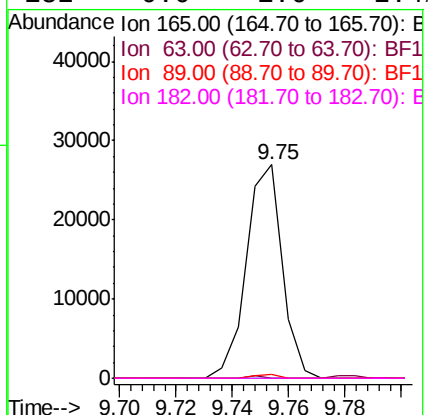
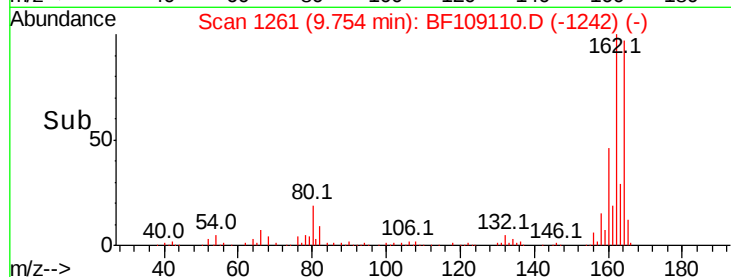
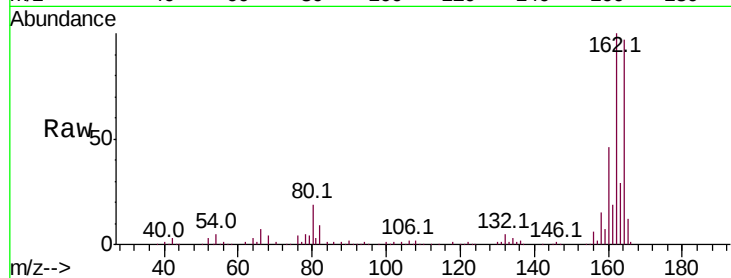




#56
 2,4-Dinitrotoluene
 Concen: 6.099 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.19 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

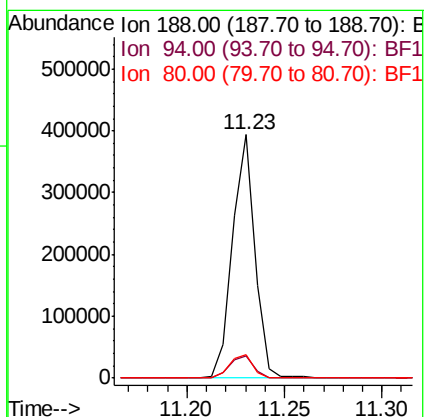
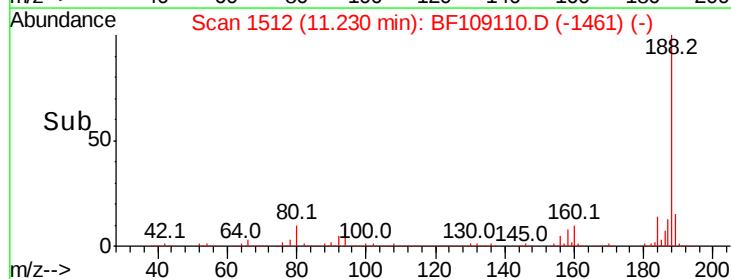
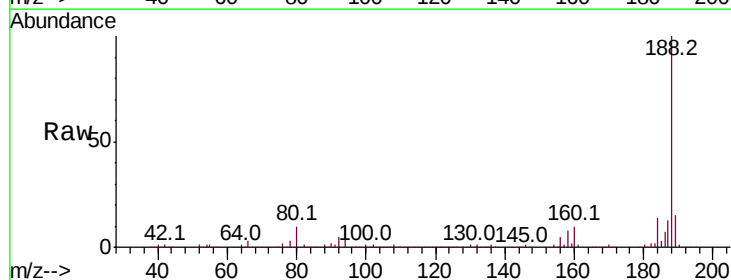
Instrument :
 BNA_F
 ClientSampleId :

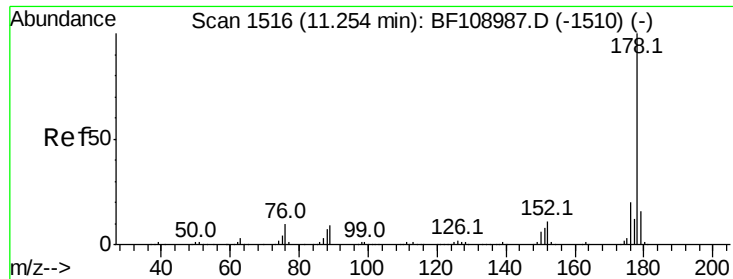
Tot Ion:165	Resp:	23763
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.6	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

Tgt Ion:188	Resp:	315517
Ion Ratio	Lower	Upper
188	100	
94	9.3	8.5 12.7
80	9.8	9.2 13.8

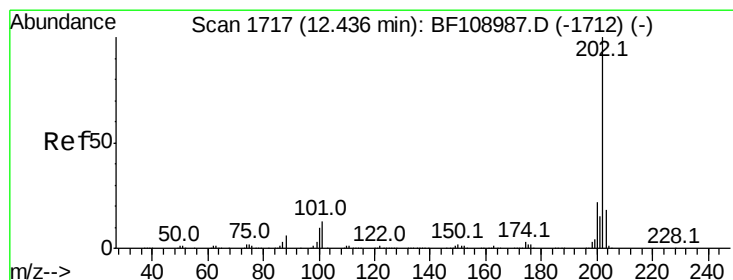
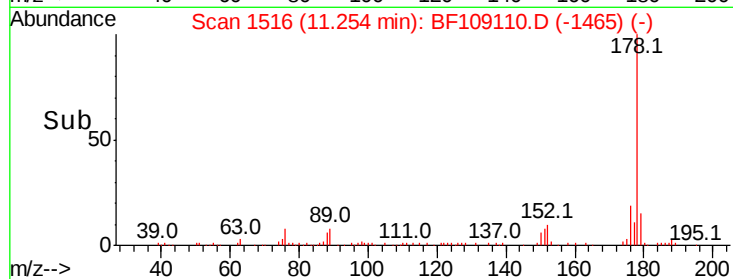
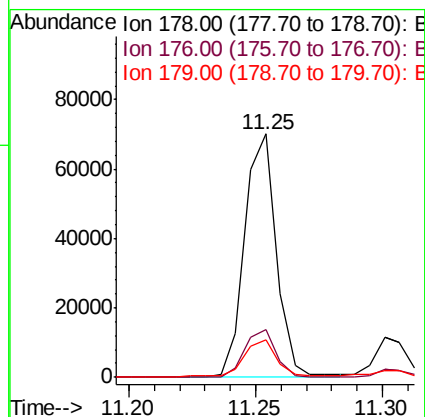
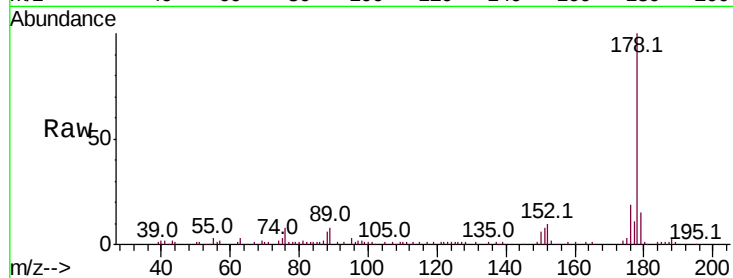




#70
Phenanthrene
Concen: 3.960 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

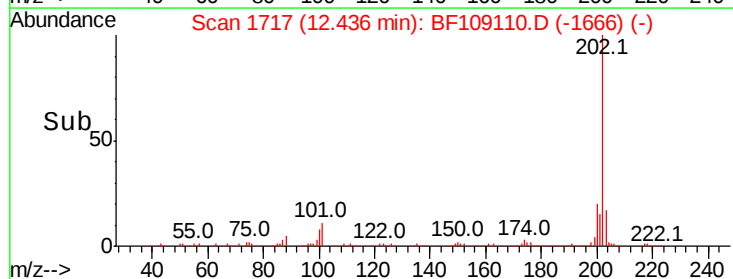
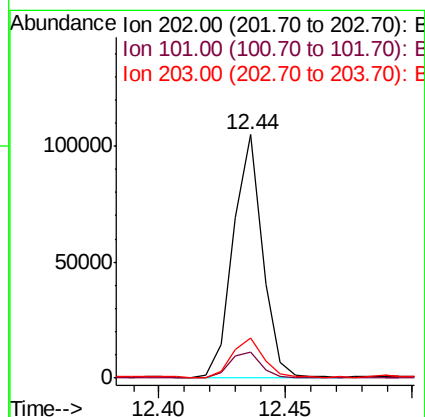
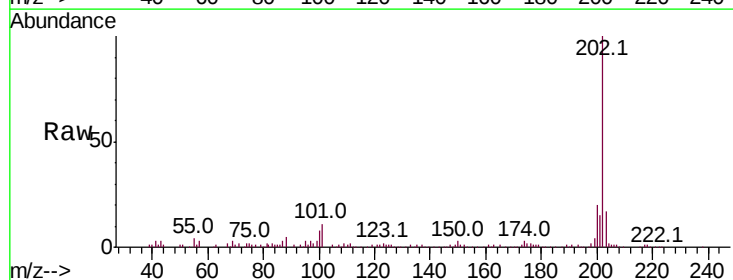
Instrument :
BNA_F
ClientSampleId :

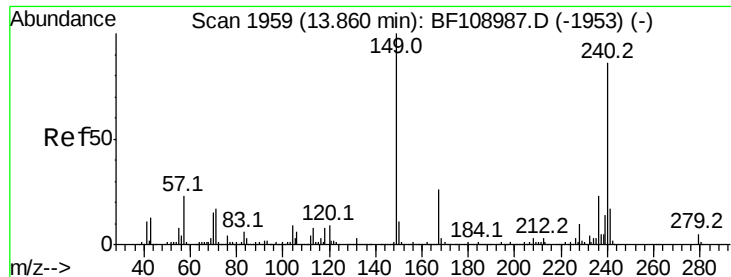
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6



#74
Fluoranthene
Concen: 5.195 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

ClientSampled :

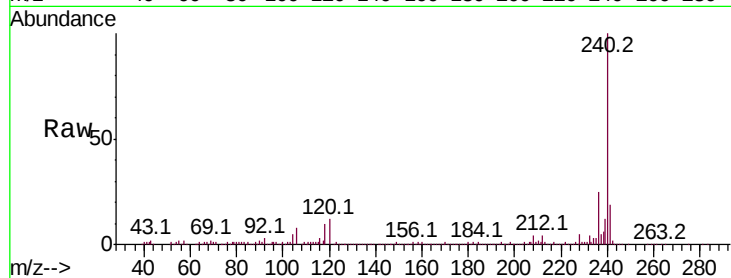
Tot Ion:240 Resp: 326188

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

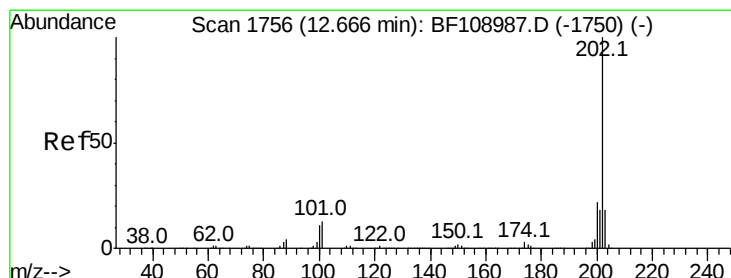
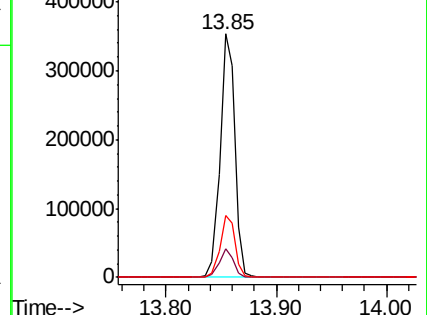
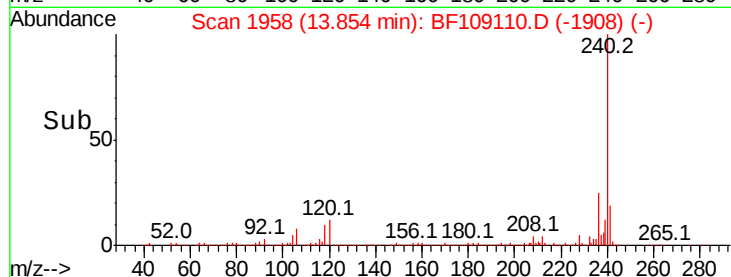
236 25.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.902 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

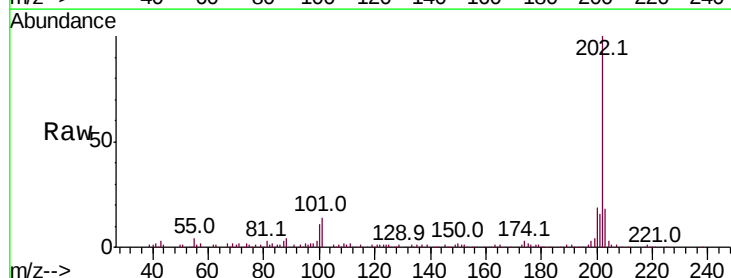
Tgt Ion:202 Resp: 94546

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

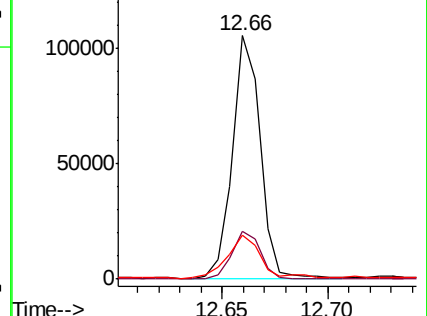
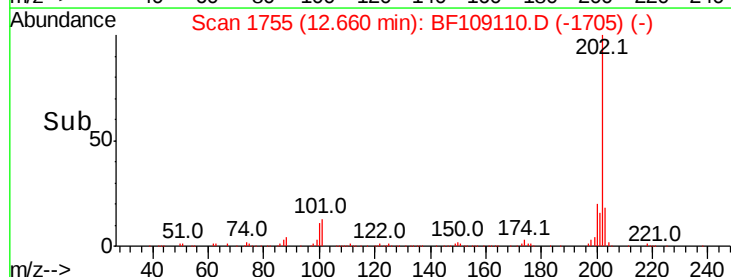
203 18.1 14.3 21.5

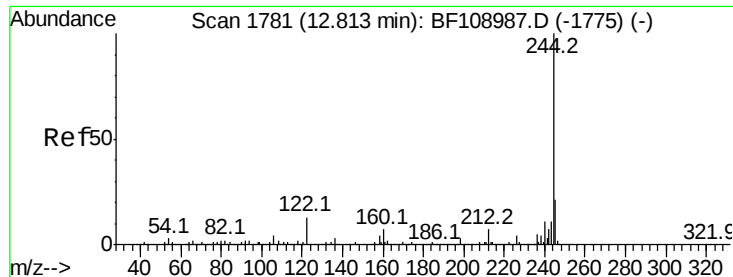


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

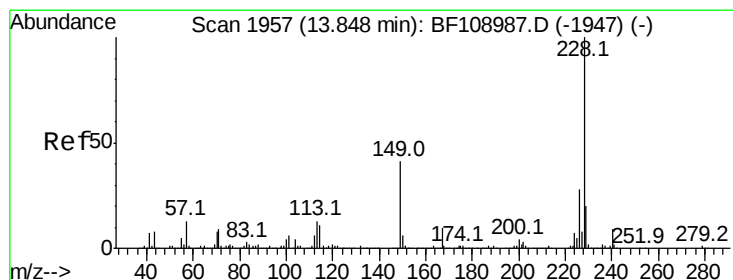
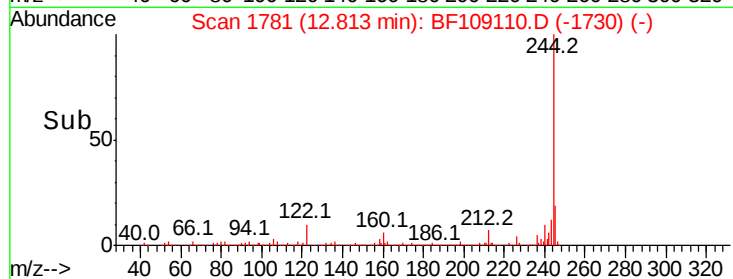
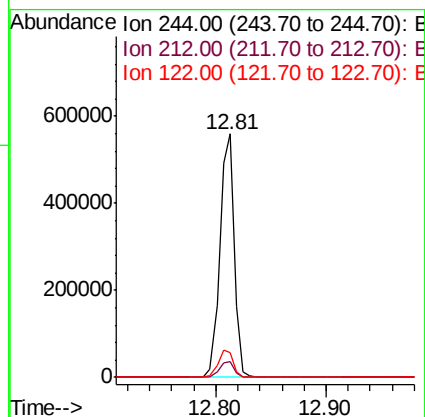
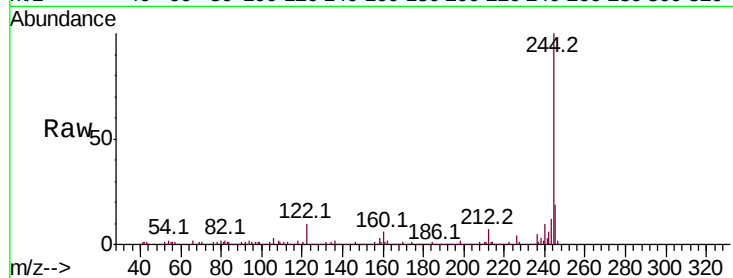




#78
 Terphenyl-d14
 Concen: 36.563 ng
 RT: 12.81 min Scan# 1781
 Delta R.T. -0.00 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

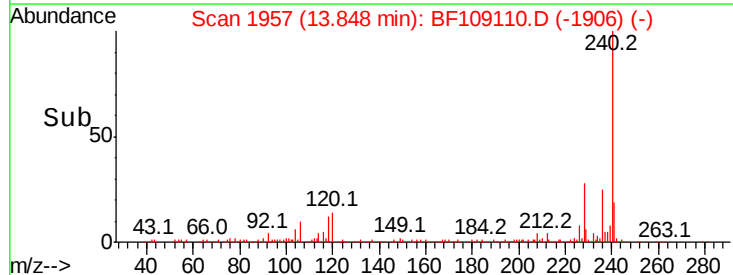
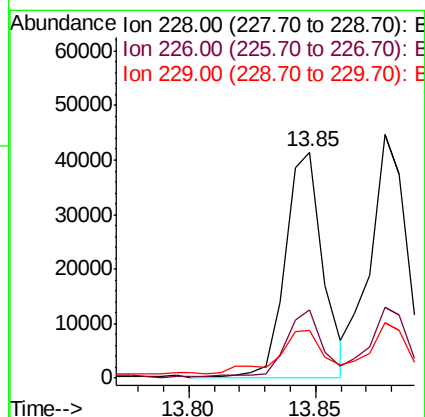
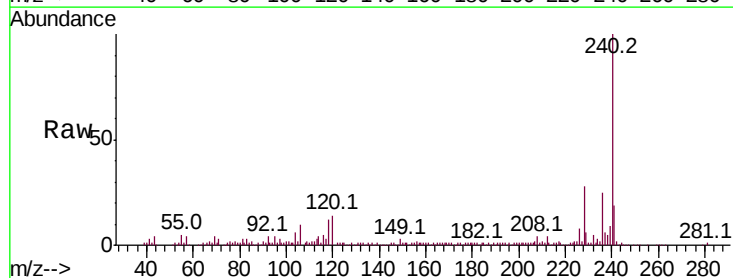
Instrument :
 BNA_F
 ClientSampled :

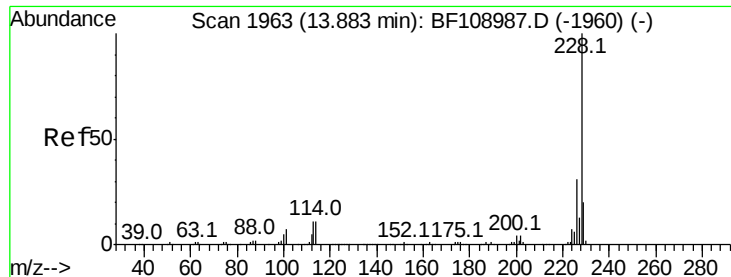
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 2.191 ng
 RT: 13.85 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	21.3	15.8	23.6





#82

Chrysene

Concen: 2.272 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

ClientSampled :

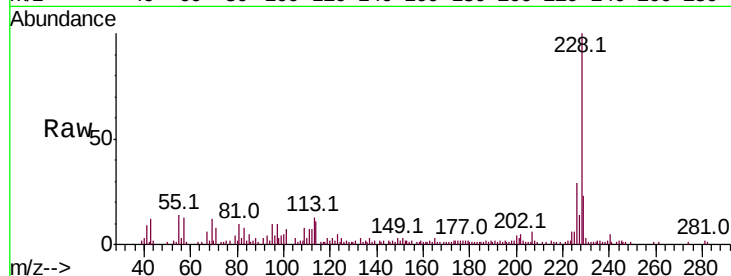
Tot Ion:228 Resp: 44883

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

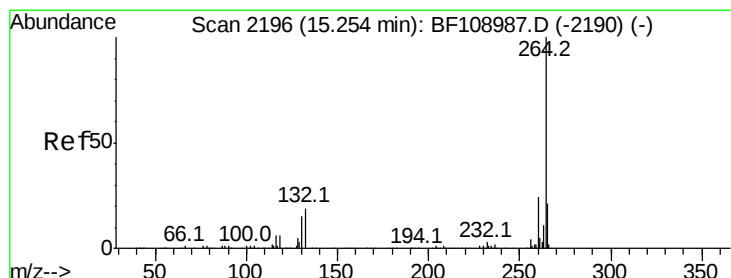
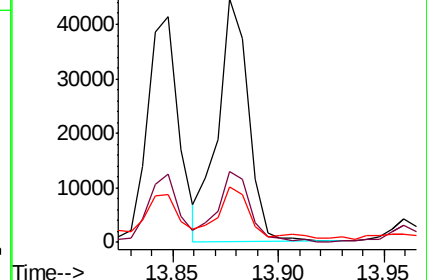
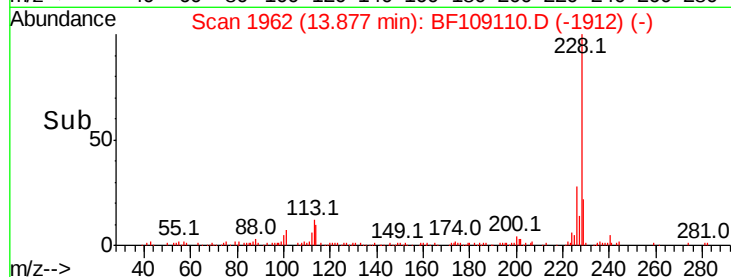
229 22.9 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

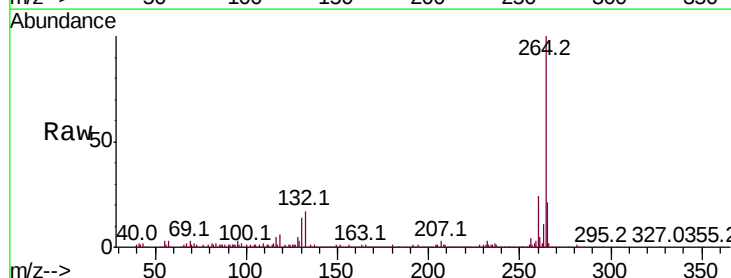
Tgt Ion:264 Resp: 300205

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

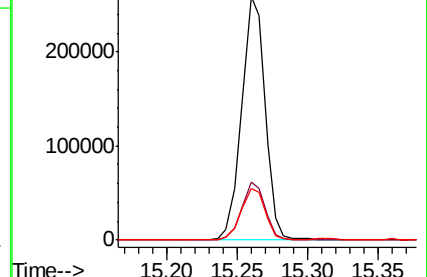
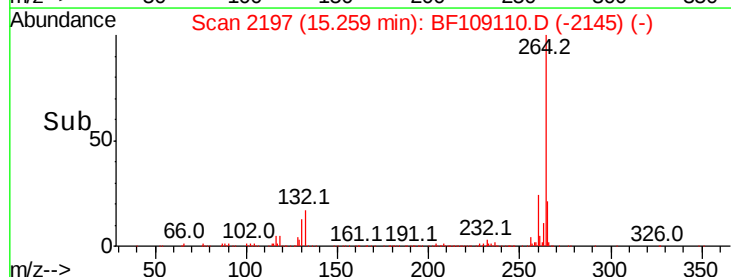
265 21.4 17.5 26.3

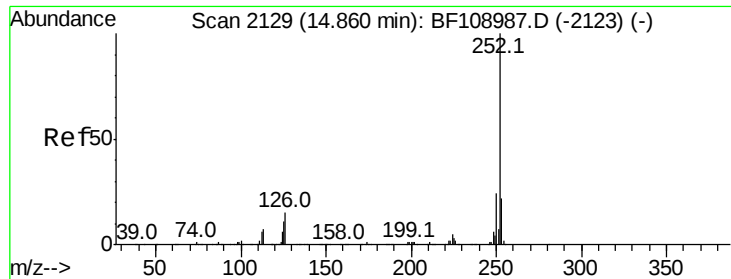


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.586 ng

RT: 14.86 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

ClientSampleId :

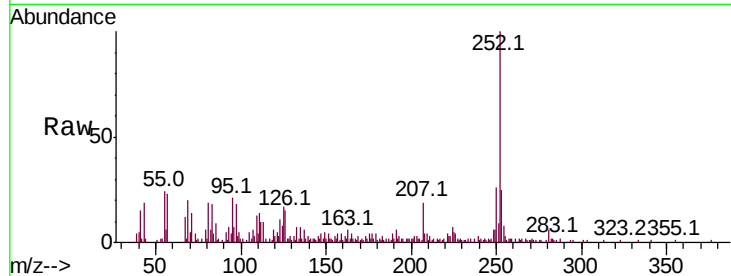
Tot Ion:252 Resp: 59558

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

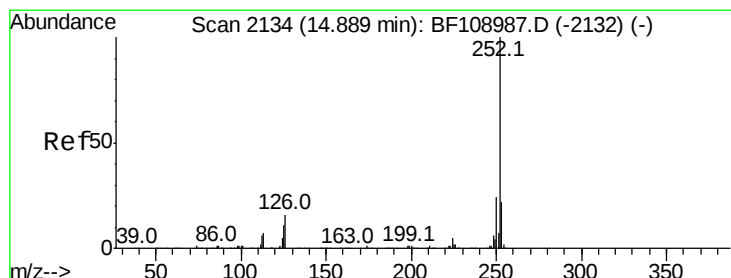
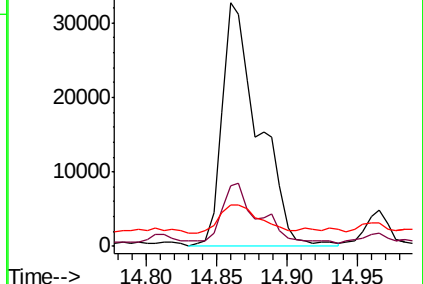
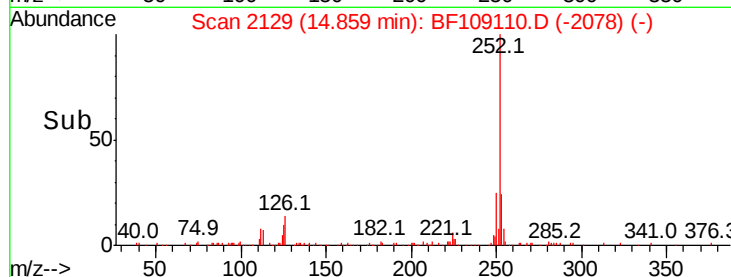
125 17.0 9.0 13.6#



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: 3.839 ng

RT: 14.86 min Scan# 2129

Delta R.T. -0.03 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

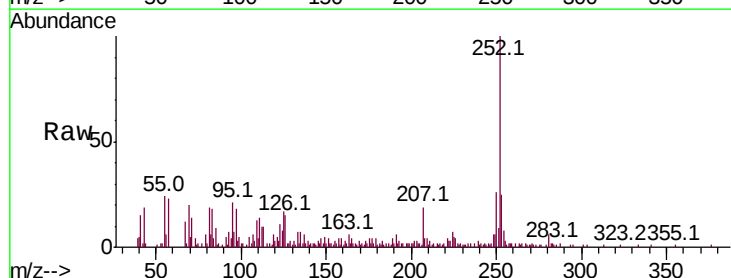
Tgt Ion:252 Resp: 59558

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

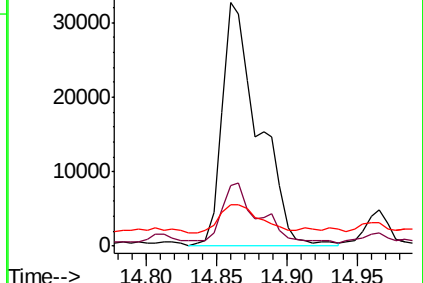
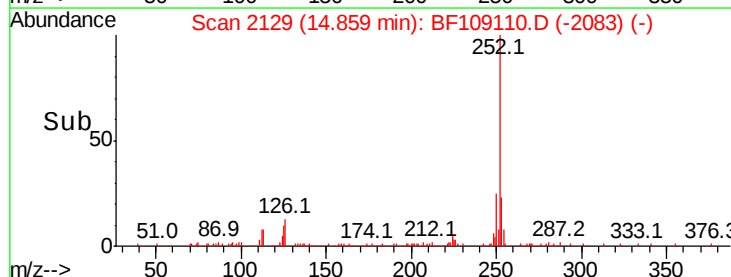
125 17.0 10.2 15.2#

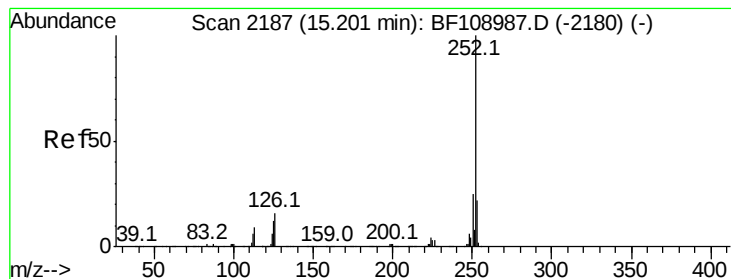


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.232 ng

RT: 15.20 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

ClientSampleId :

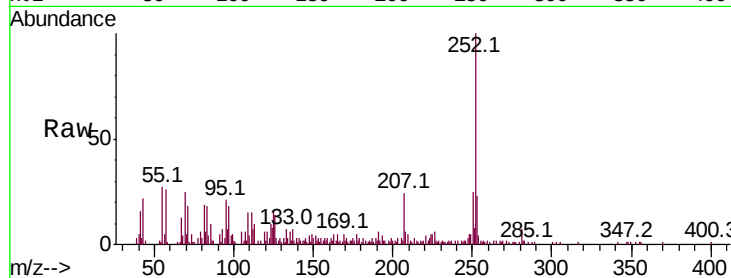
Tot Ion:252 Resp: 32918

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 15.7 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

