

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091718\
 Data File : BF109058.D
 Acq On : 17 Sep 2018 19:46
 Operator : JU/SJ
 Sample : J4946-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB12983RT

Quant Time: Sep 18 02:25:08 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	108129	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	357727	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	160332	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	330607	20.00	ng	0.00
75) Chrysene-d12	13.85	240	362029	20.00	ng	0.00
86) Perylene-d12	15.25	264	265430	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	401595	61.69	ng	0.00
7) Phenol-d6	6.35	99	473513	56.41	ng	0.00
23) Nitrobenzene-d5	7.28	82	268664	42.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	110539	63.53	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	366068	35.77	ng	0.00
78) Terphenyl-d14	12.81	244	424279	27.78	ng	0.00

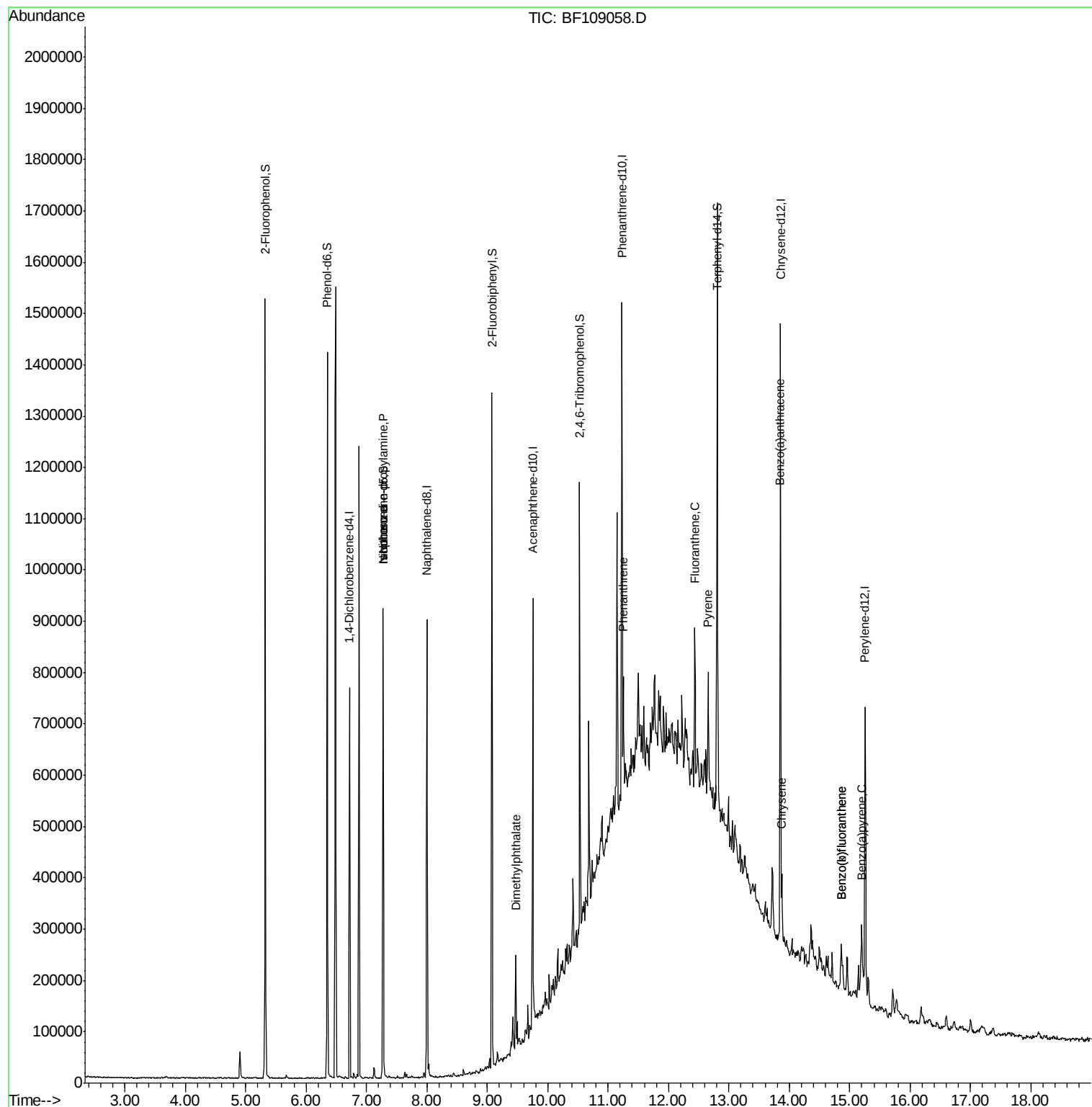
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	35695	6.433	ng	# 75
25) Isophorone	7.28	82	268662	24.505	ng	# 64
49) Dimethylphthalate	9.47	163	60462	5.276	ng	# 98
70) Phenanthrene	11.25	178	60095	3.708	ng	96
74) Fluoranthene	12.44	202	95251	5.567	ng	96
77) Pyrene	12.66	202	94914	3.530	ng	98
80) Benzo(a)anthracene	13.84	228	45419	2.072	ng	96
82) Chrysene	13.88	228	47759	2.178	ng	95
87) Benzo(b)fluoranthene	14.86	252	61450	4.185	ng	# 96
88) Benzo(k)fluoranthene	14.86	252	61450	4.480	ng	98
89) Benzo(a)pyrene	15.19	252	30150	2.312	ng	# 95

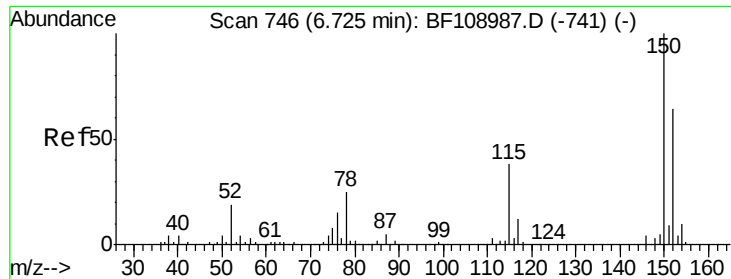
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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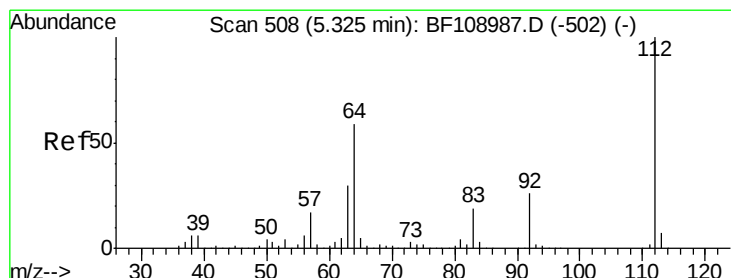
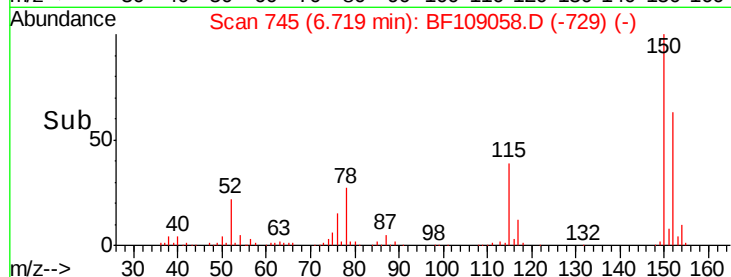
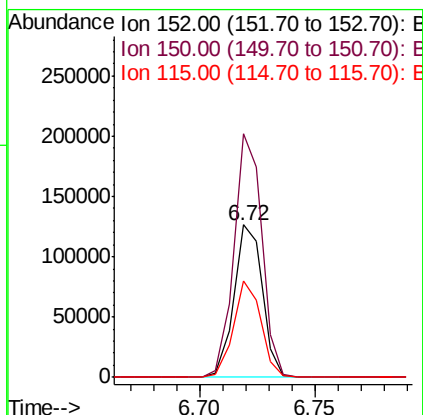
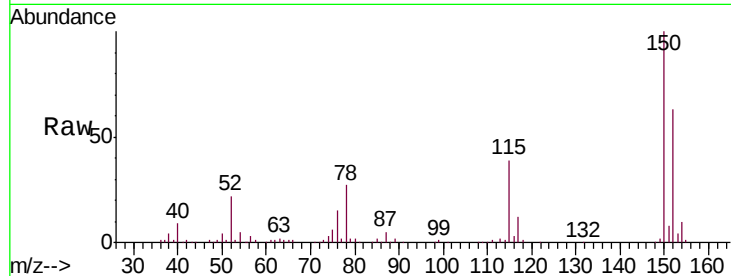




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF109058.D
 Acq: 17 Sep 2018 19:46

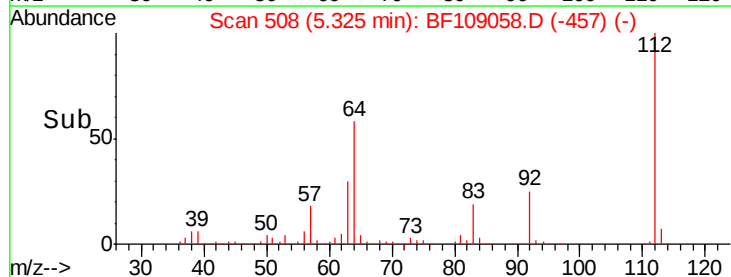
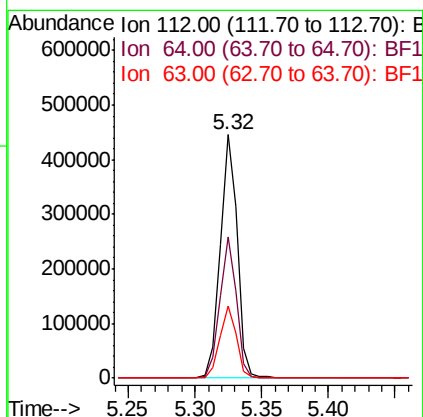
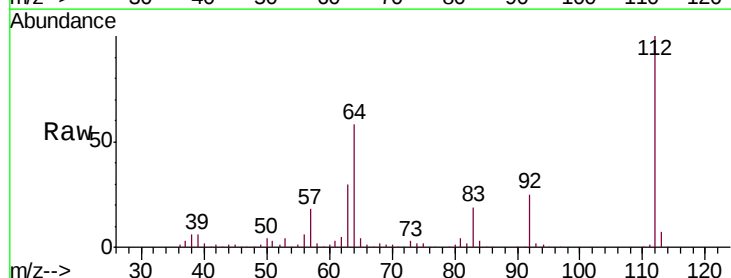
Instrument :
 BNA_F
 ClientSampleId :
 RB12983RT

Tgt Ion:152 Resp: 108129
 Ion Ratio Lower Upper
 152 100
 150 160.0 124.6 186.8
 115 63.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 61.686 ng
 RT: 5.32 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF109058.D
 Acq: 17 Sep 2018 19:46

Tgt Ion:112 Resp: 401595
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.9 71.9
 63 29.6 23.7 35.5





#7

Phenol-d6

Concen: 56.406 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

Instrument :

BNA_F

ClientSampleId :

RB12983RT

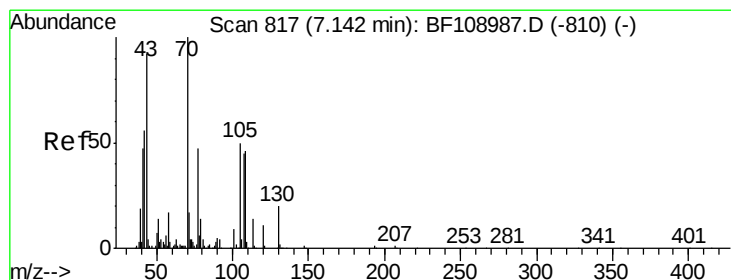
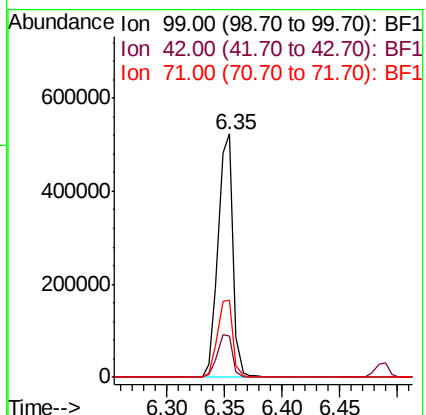
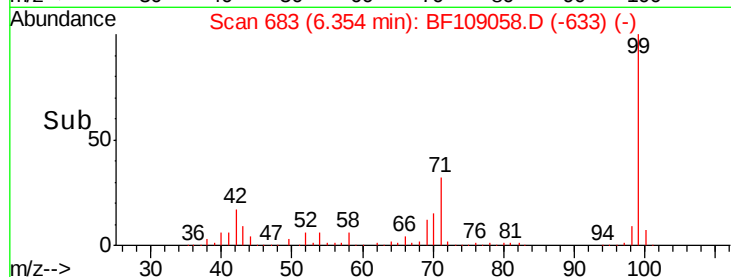
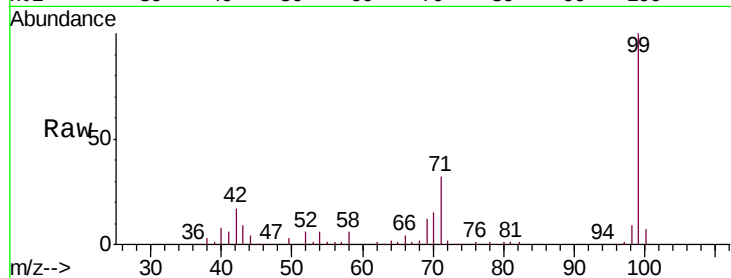
Tgt Ion: 99 Resp: 473513

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.433 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

Tgt Ion: 70 Resp: 35695

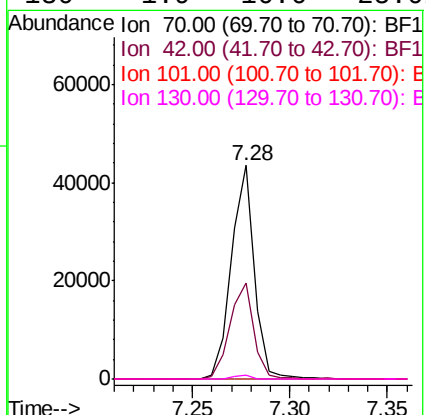
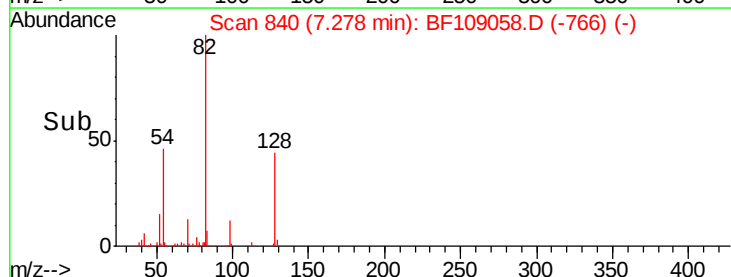
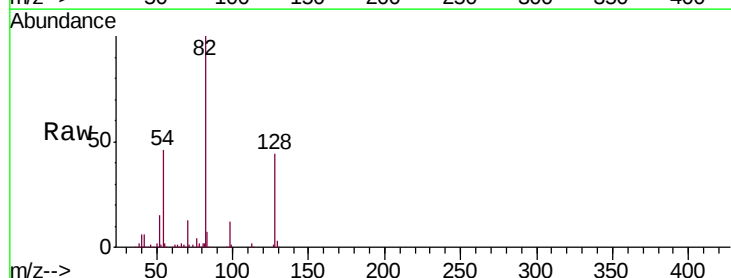
Ion Ratio Lower Upper

70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

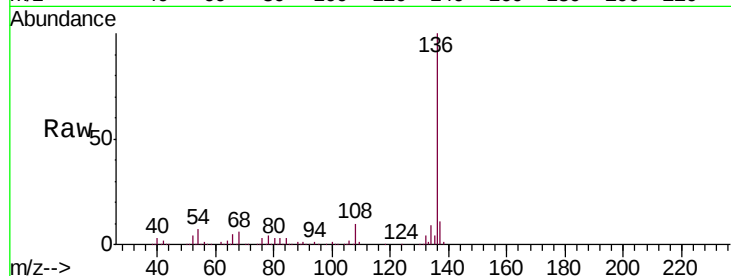




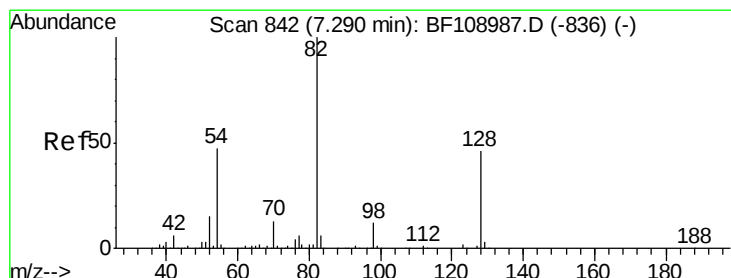
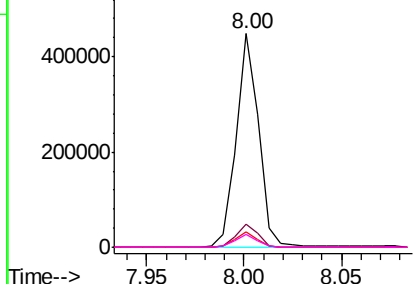
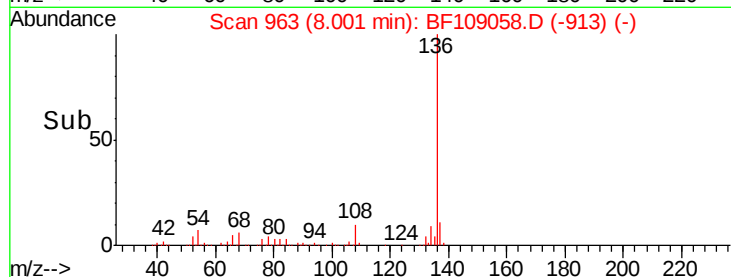
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109058.D
Acq: 17 Sep 2018 19:46

Instrument :
BNA_F
ClientSampleId :
RB12983RT

Tgt Ion:	136	Resp:	357727
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.3	6.6	9.8
68	6.1	5.0	7.4

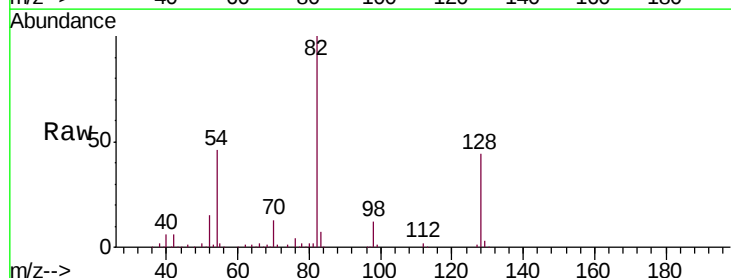


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

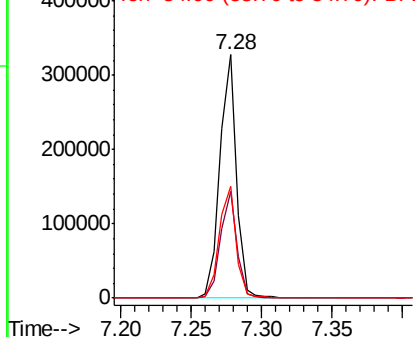
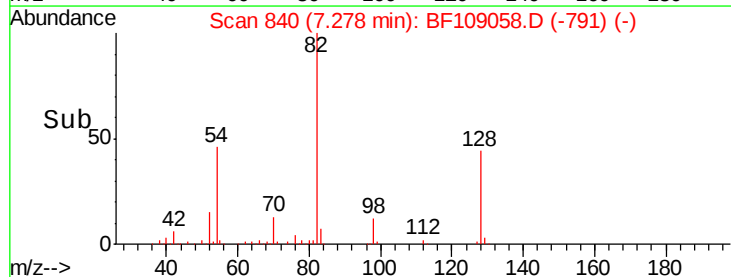


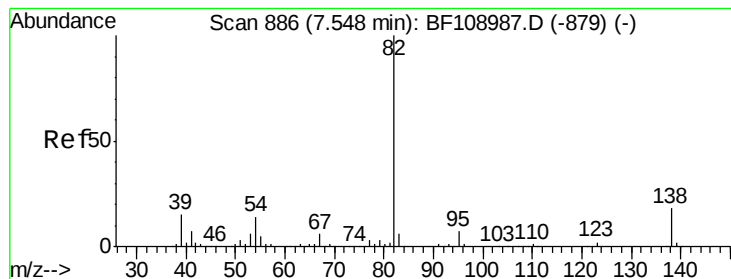
#23
Nitrobenzene-d5
Concen: 42.124 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109058.D
Acq: 17 Sep 2018 19:46

Tgt Ion:	82	Resp:	268664
Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	46.1	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: 24.505 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

Instrument :

BNA_F

ClientSampleId :

RB12983RT

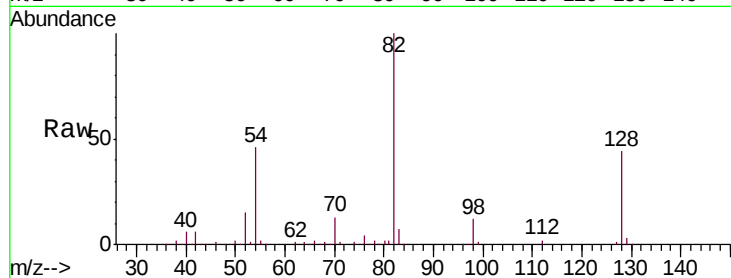
Tgt Ion: 82 Resp: 268662

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

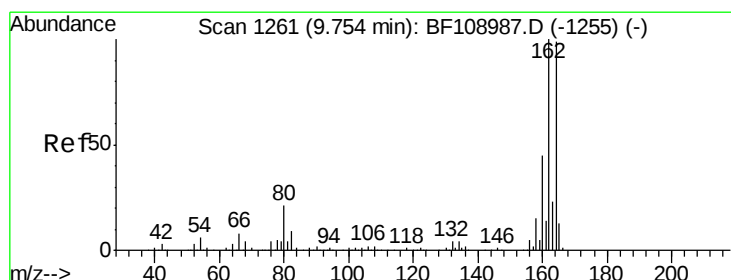
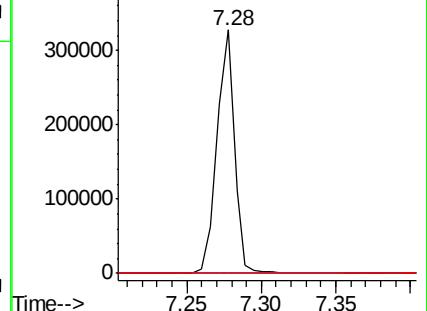
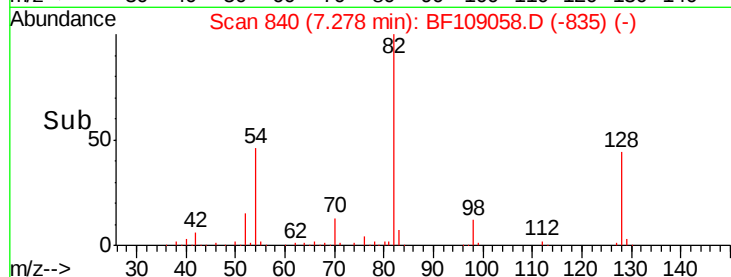
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

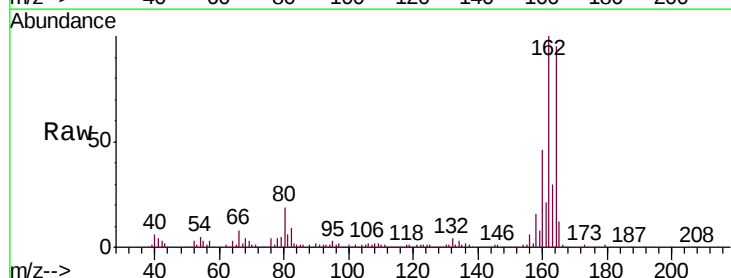
Tgt Ion: 164 Resp: 160332

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

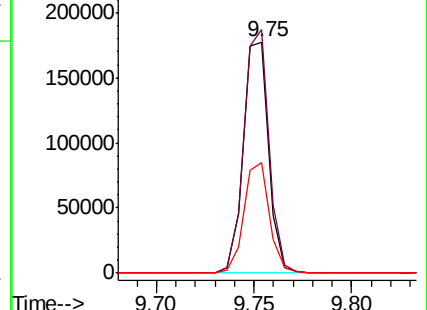
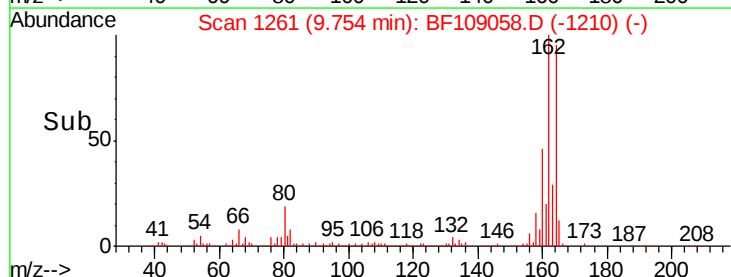
160 48.0 38.3 57.5

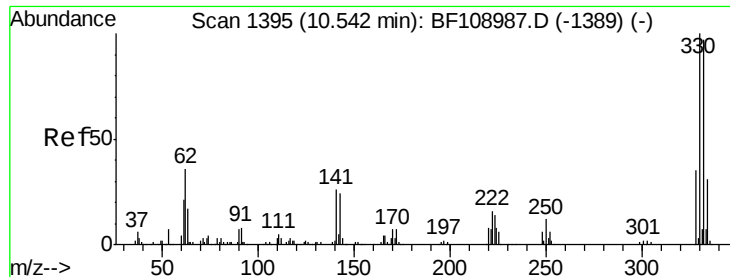


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

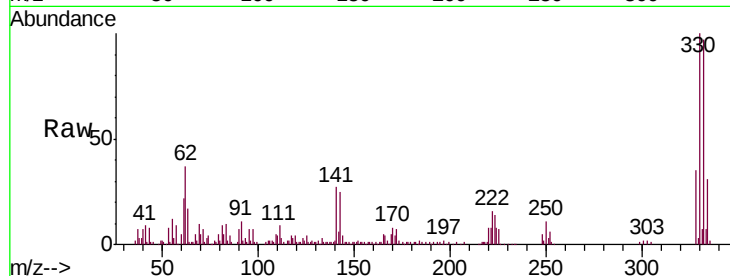




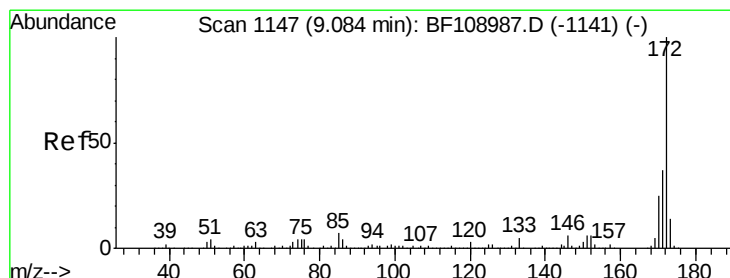
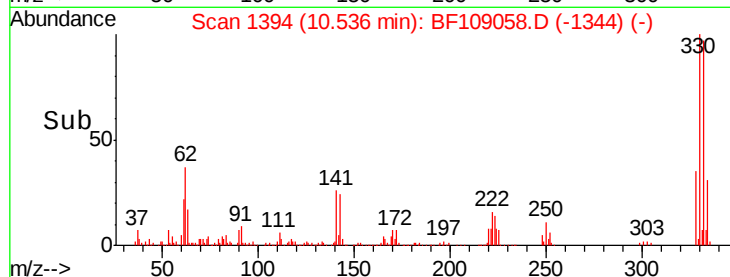
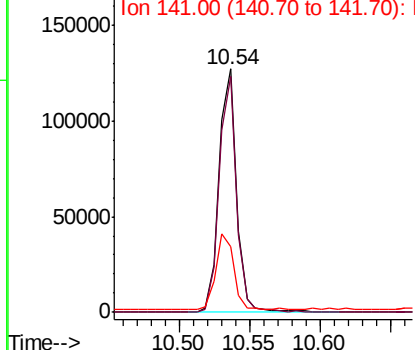
#41
 2,4,6-Tribromophenol
 Concen: 63.527 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109058.D
 Acq: 17 Sep 2018 19:46

Instrument :
 BNA_F
 ClientSampleId :
 RB12983RT

Tgt Ion:330 Resp: 110539
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 31.7 29.9 44.9

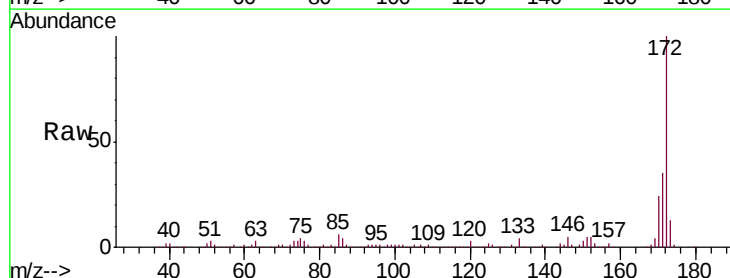


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

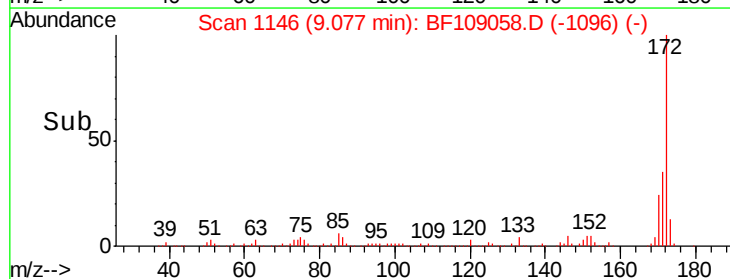
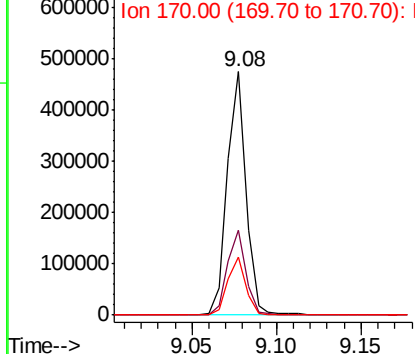


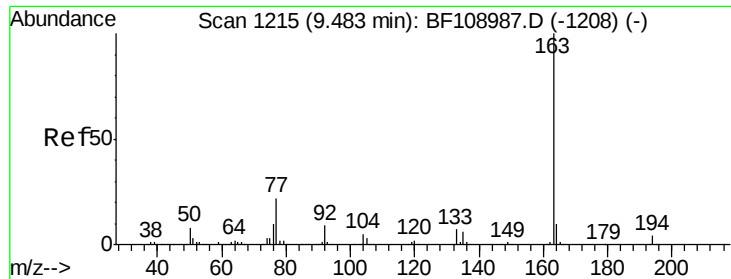
#44
 2-Fluorobiphenyl
 Concen: 35.771 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109058.D
 Acq: 17 Sep 2018 19:46

Tgt Ion:172 Resp: 366068
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.6 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

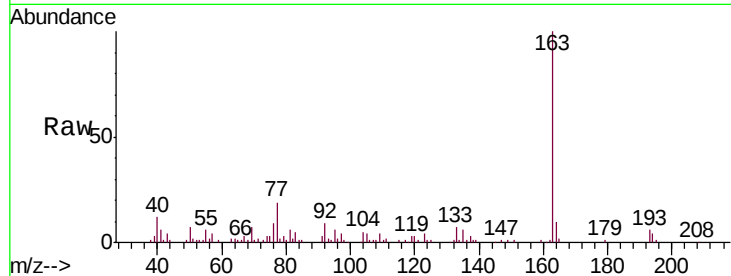




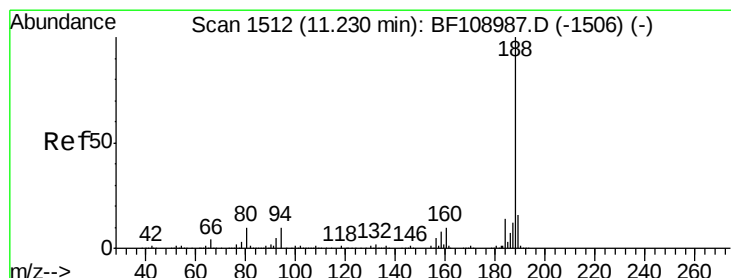
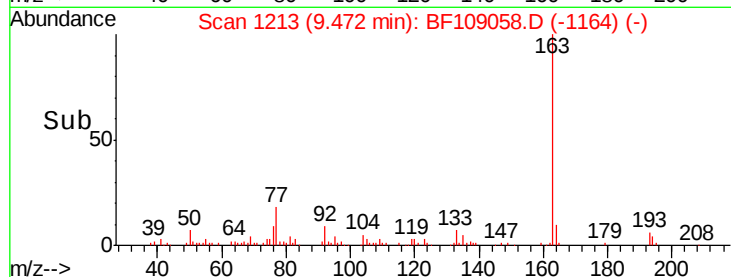
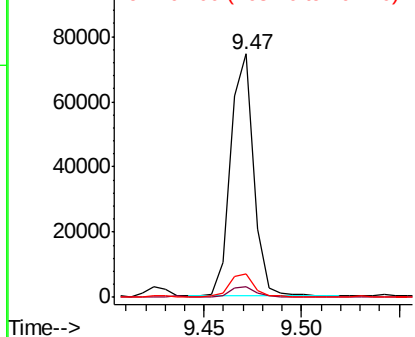
#49
Dimethylphthalate
Concen: 5.276 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109058.D
Acq: 17 Sep 2018 19:46

Instrument :
BNA_F
ClientSampleId :
RB12983RT

Tgt Ion:163 Resp: 60462
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.6 8.2 12.2

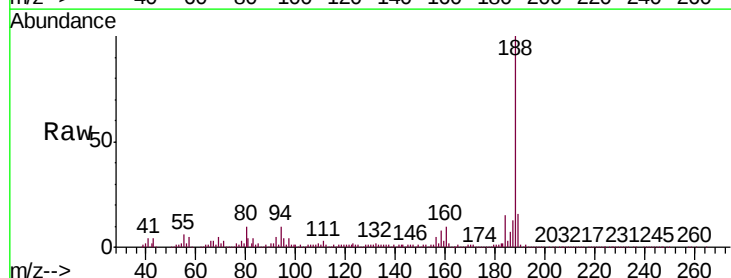


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

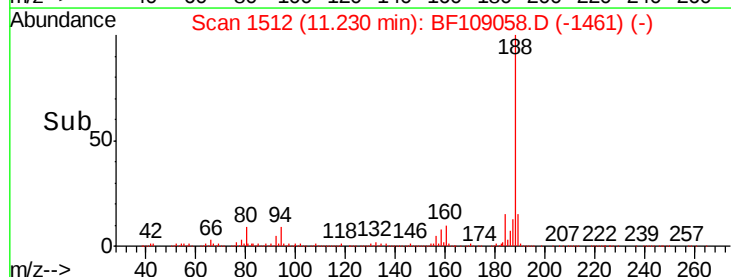
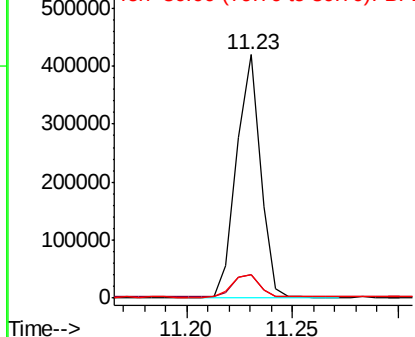


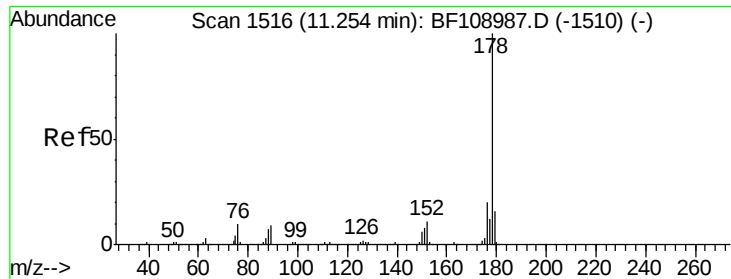
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109058.D
Acq: 17 Sep 2018 19:46

Tgt Ion:188 Resp: 330607
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 9.7 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





#70

Phenanthrene

Concen: 3.708 ng

RT: 11.25 min Scan# 1516

Delta R.T. -0.00 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

Instrument :

BNA_F

ClientSampleId :

RB12983RT

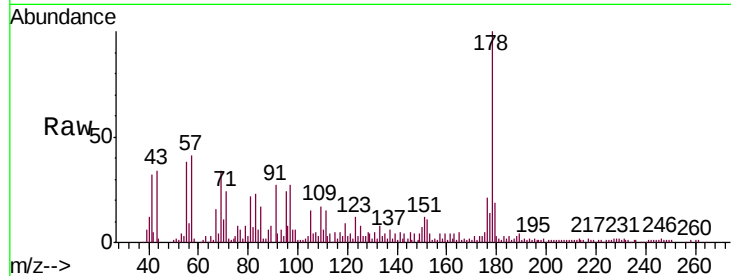
Tgt Ion:178 Resp: 60095

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

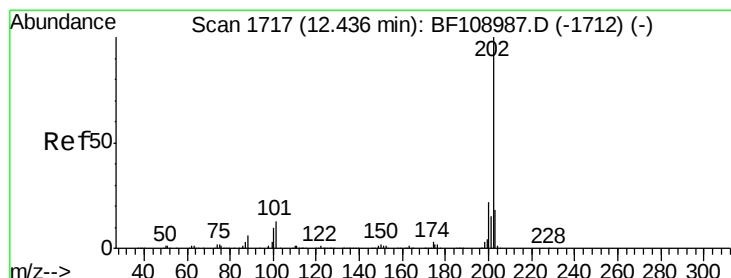
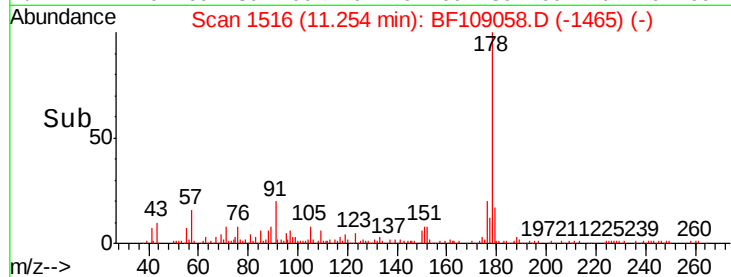
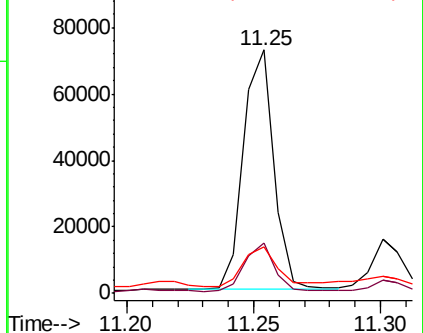
179 19.3 13.0 19.6



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: 5.567 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

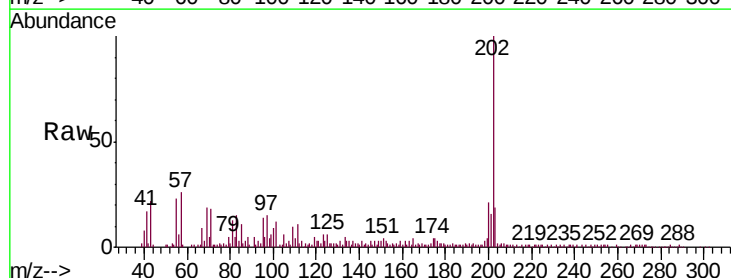
Tgt Ion:202 Resp: 95251

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

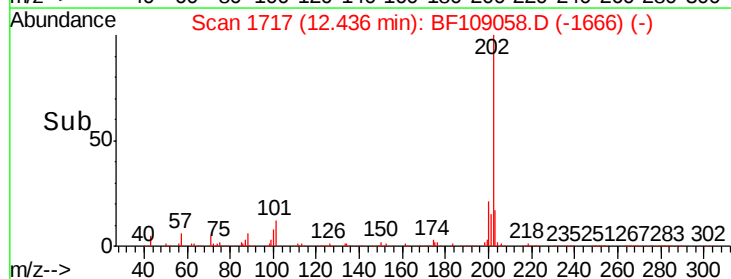
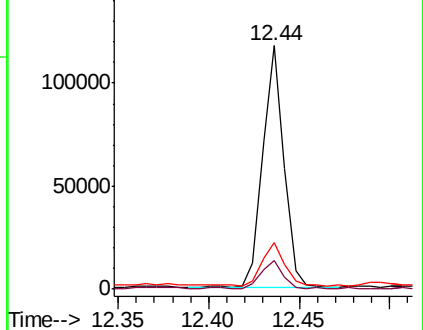
203 18.9 0.0 38.1

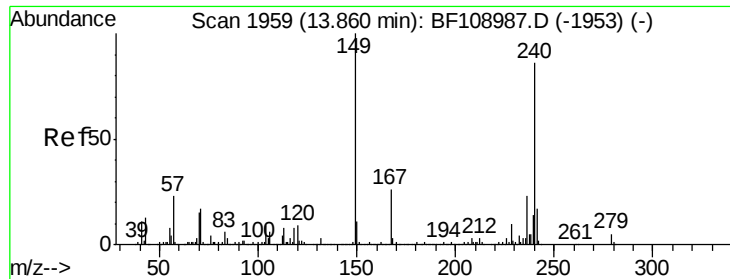


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

Instrument :

BNA_F

ClientSampleId :

RB12983RT

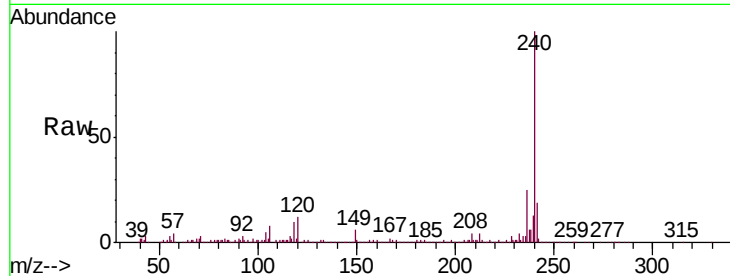
Tgt Ion:240 Resp: 362029

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

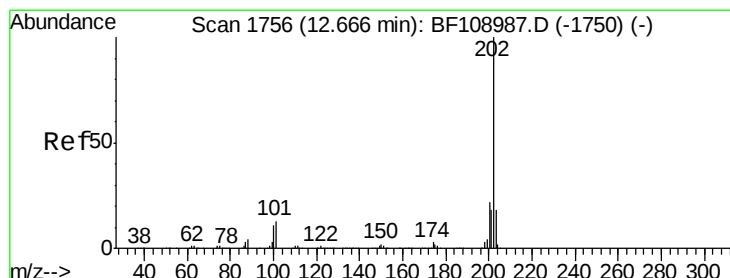
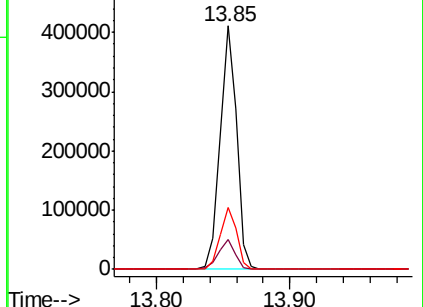
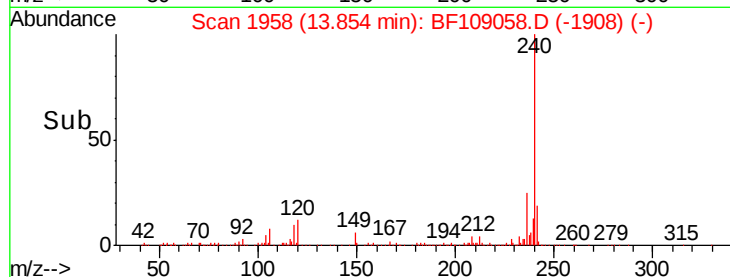
236 25.4 20.7 31.1



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: 3.530 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

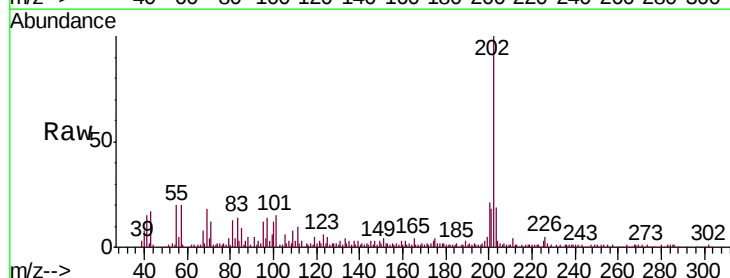
Tgt Ion:202 Resp: 94914

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

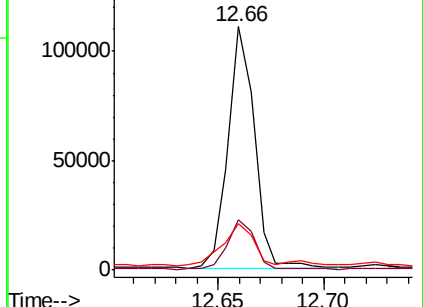
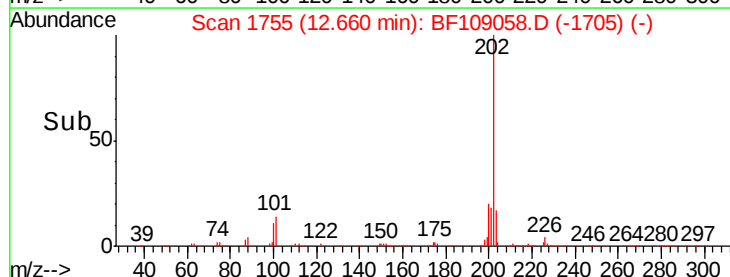
203 19.1 14.3 21.5

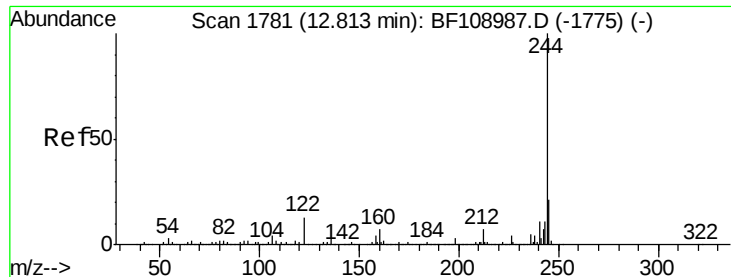


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.778 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

Instrument :

BNA_F

ClientSampleId :

RB12983RT

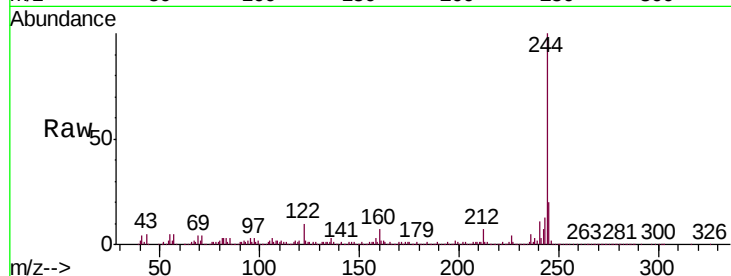
Tgt Ion:244 Resp: 424279

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

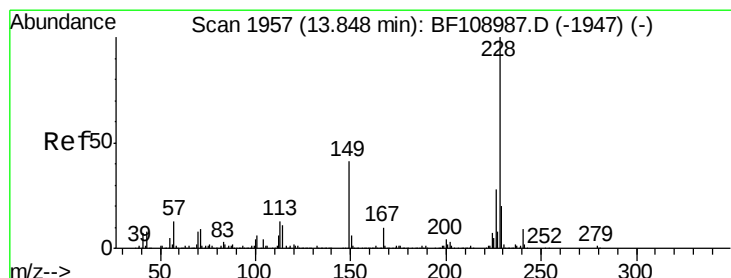
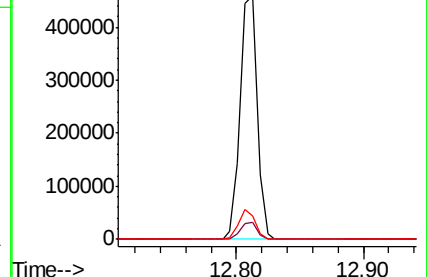
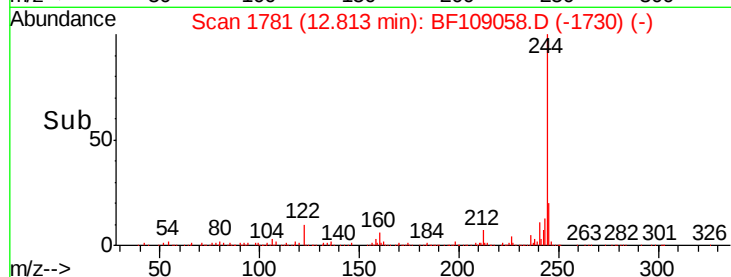
122 9.9 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 2.072 ng

RT: 13.84 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

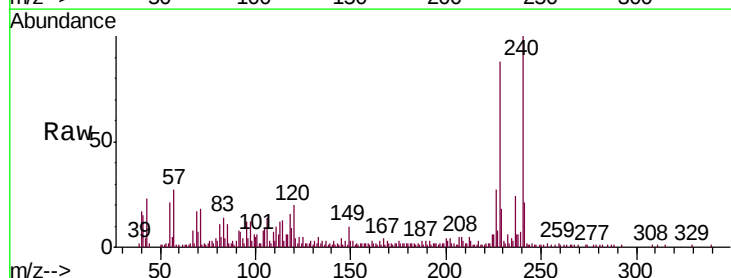
Tgt Ion:228 Resp: 45419

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

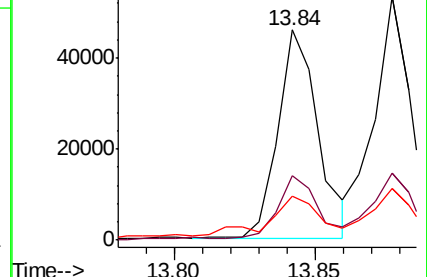
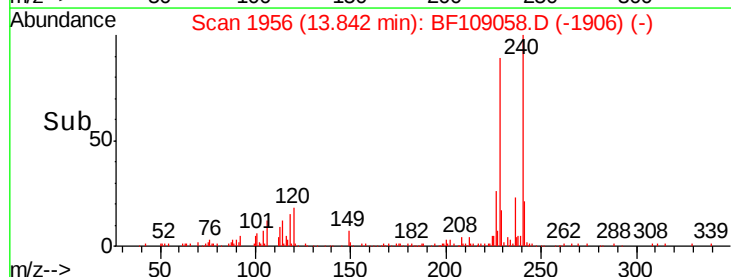
229 21.0 15.8 23.6

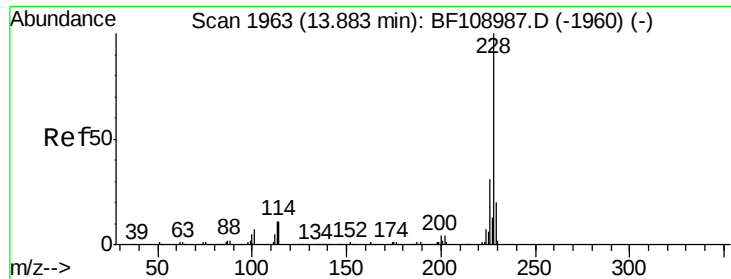


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

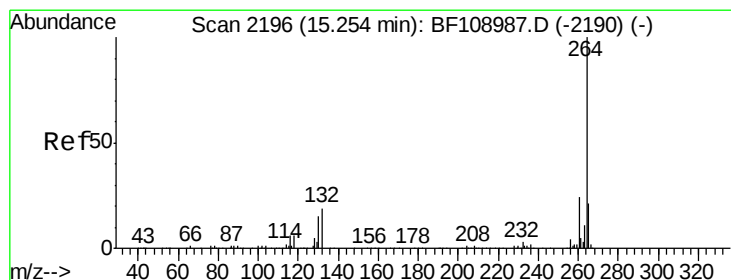
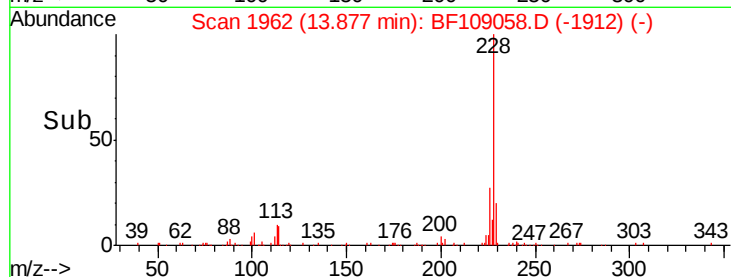
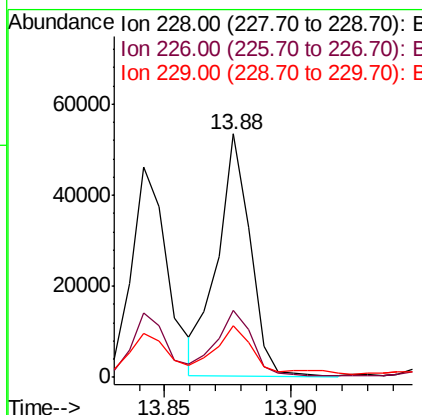
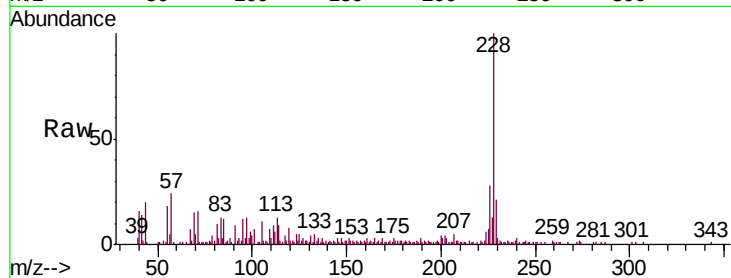




#82
Chrysene
Concen: 2.178 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109058.D
Acq: 17 Sep 2018 19:46

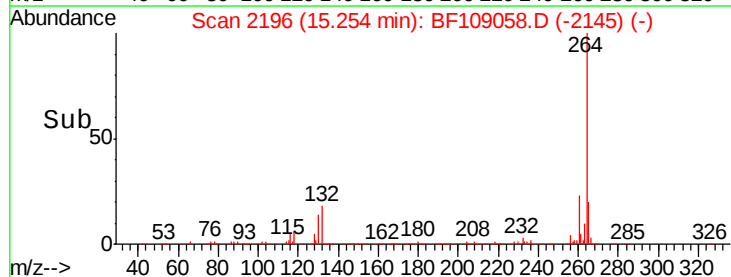
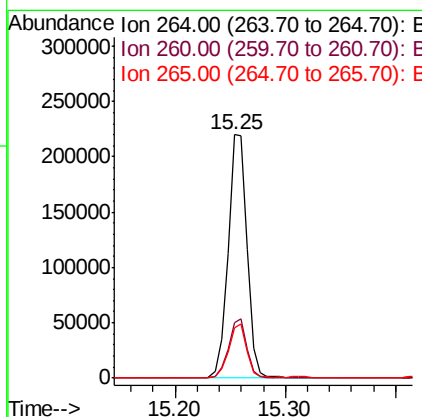
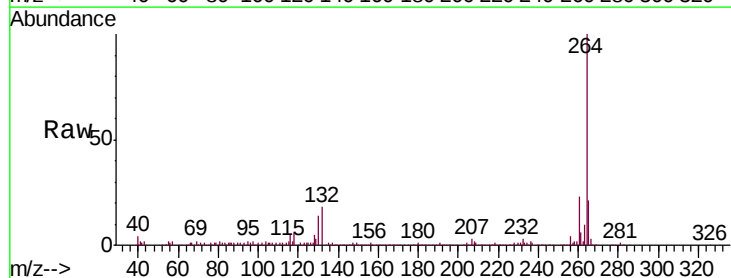
Instrument :
BNA_F
ClientSampleId :
RB12983RT

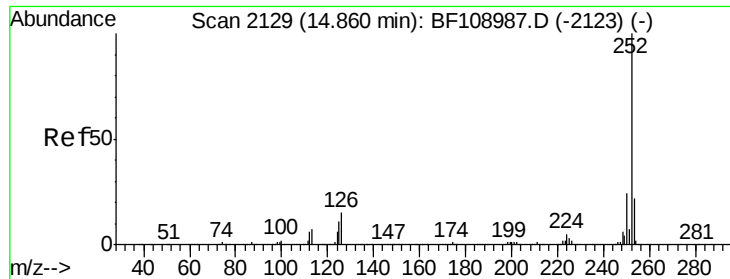
Tgt Ion: 228 Resp: 47759
Ion Ratio Lower Upper
228 100
226 27.6 25.0 37.6
229 21.0 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF109058.D
Acq: 17 Sep 2018 19:46

Tgt Ion: 264 Resp: 265430
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 20.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.185 ng

RT: 14.86 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

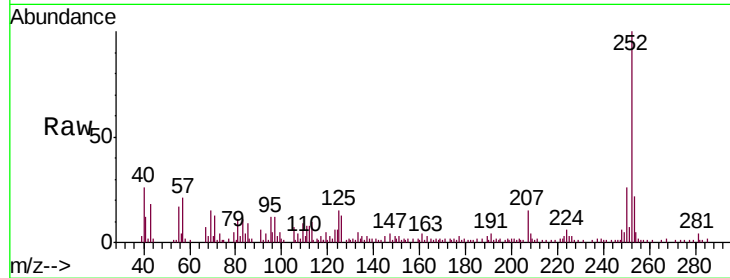
Instrument :

BNA_F

ClientSampleId :

RB12983RT

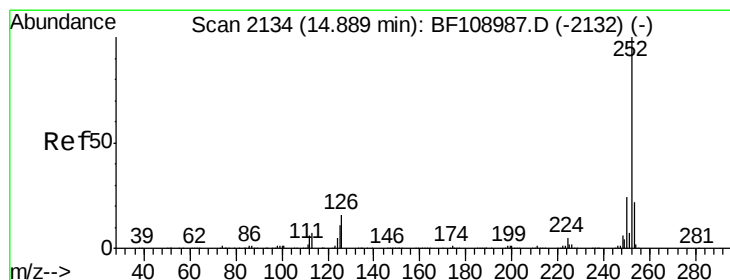
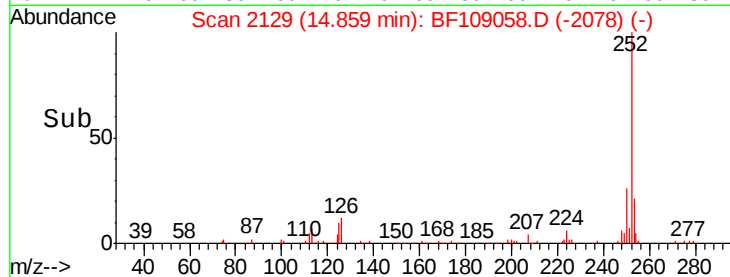
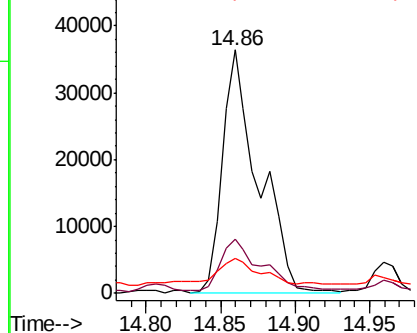
Tgt Ion:	252	Resp:	61450
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	14.6	9.0	13.6#



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: 4.480 ng

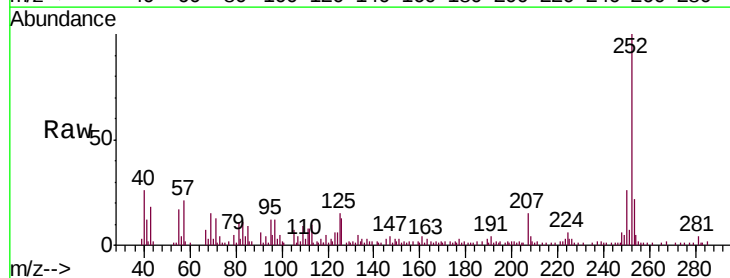
RT: 14.86 min Scan# 2129

Delta R.T. -0.03 min

Lab File: BF109058.D

Acq: 17 Sep 2018 19:46

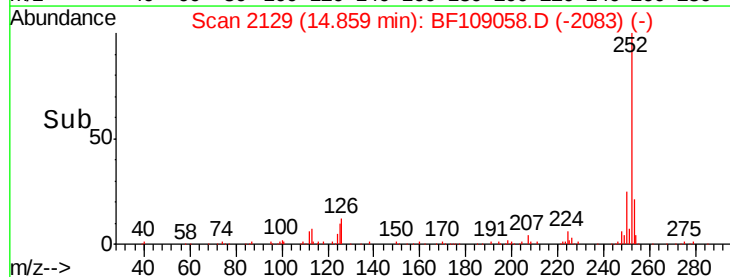
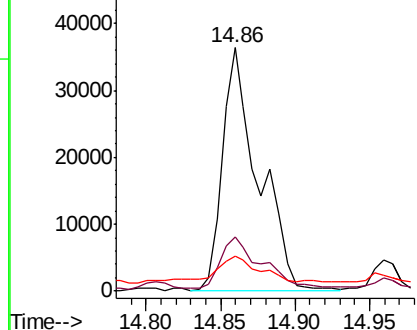
Tgt Ion:	252	Resp:	61450
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	14.6	10.2	15.2

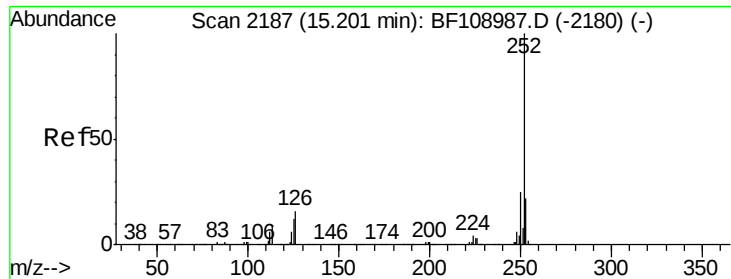


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.312 ng

RT: 15.19 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF109058.D

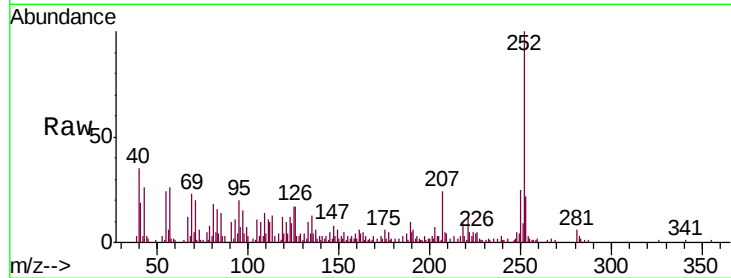
Acq: 17 Sep 2018 19:46

Instrument :

BNA_F

ClientSampleId :

RB12983RT



Tgt Ion:	252	Resp:	30150
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	17.2	9.8	14.6

