

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109115.D
 Acq On : 19 Sep 2018 00:05
 Operator : JU/SJ
 Sample : J4967-02 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:06:04 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

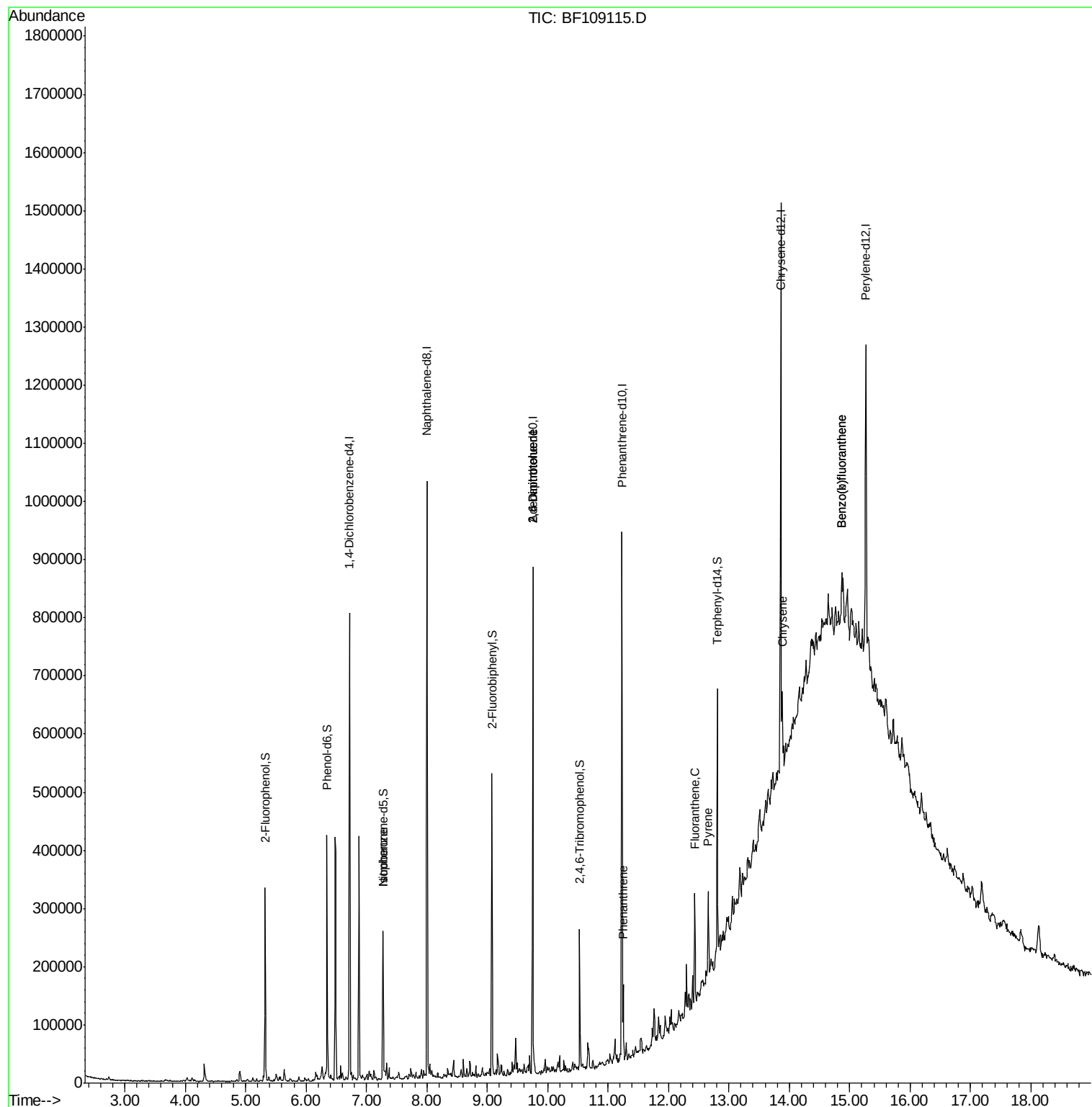
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116021	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	403706	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	164438	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	299136	20.00	ng	0.00
75) Chrysene-d12	13.86	240	327148	20.00	ng	0.00
86) Perylene-d12	15.27	264	255935	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	98890	14.16	ng	0.00
7) Phenol-d6	6.35	99	127652	14.17	ng	-0.01
23) Nitrobenzene-d5	7.28	82	79967	11.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	25611	14.35	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	145959	13.91	ng	0.00
78) Terphenyl-d14	12.81	244	147028	10.65	ng	0.00
Target Compounds						
25) Isophorone	7.28	82	79967	6.463	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	21284	8.166	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	21284	6.244	ng	# 24
70) Phenanthrene	11.25	178	46487	3.170	ng	97
74) Fluoranthene	12.44	202	69261	4.474	ng	95
77) Pyrene	12.66	202	60150	2.475	ng	98
82) Chrysene	13.88	228	41720	2.105	ng	# 95
87) Benzo(b)fluoranthene	14.87	252	56628	3.999	ng	# 79
88) Benzo(k)fluoranthene	14.87	252	56628	4.282	ng	# 81

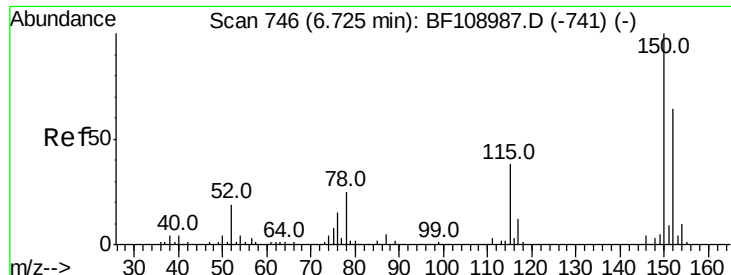
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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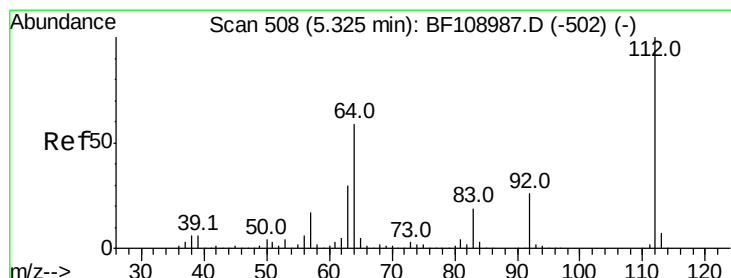
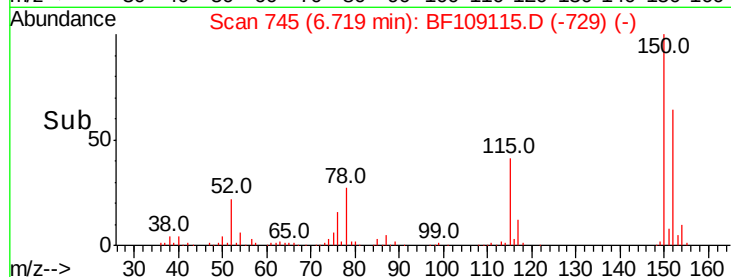
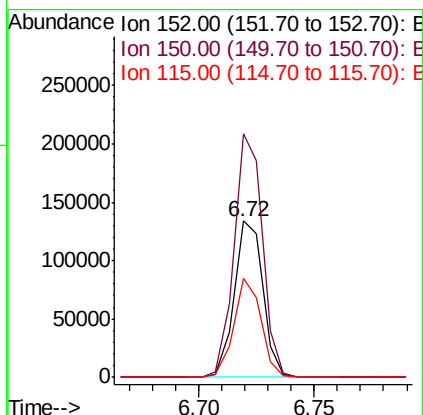
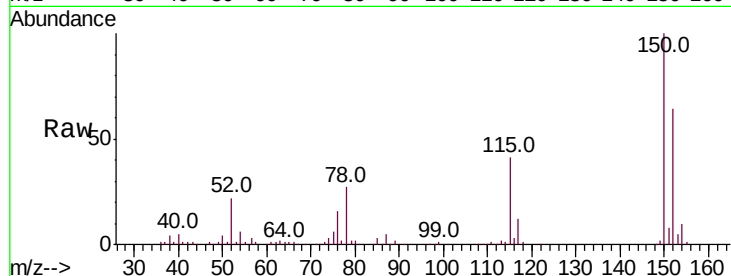


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Instrument :
 BNA_F
 ClientSampleId :

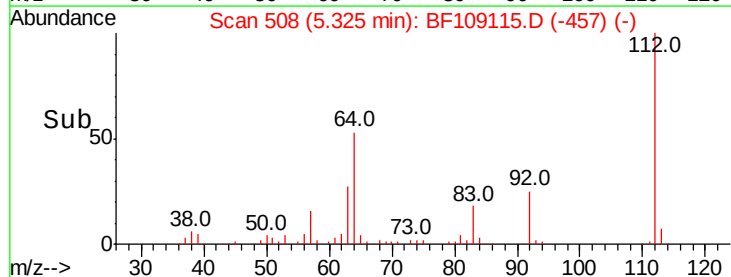
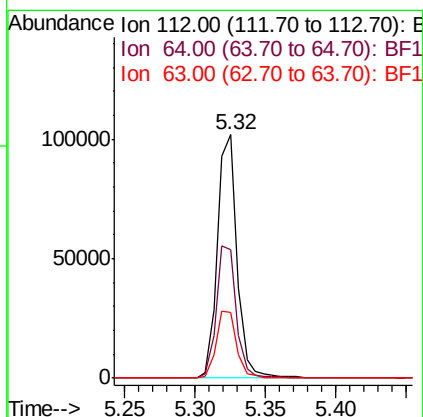
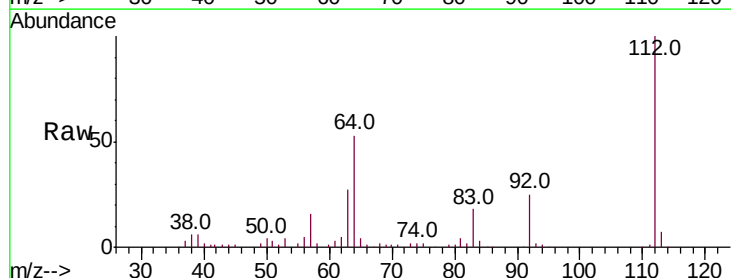
Tot Ion:152 Resp: 116021
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 63.2 50.1 75.1

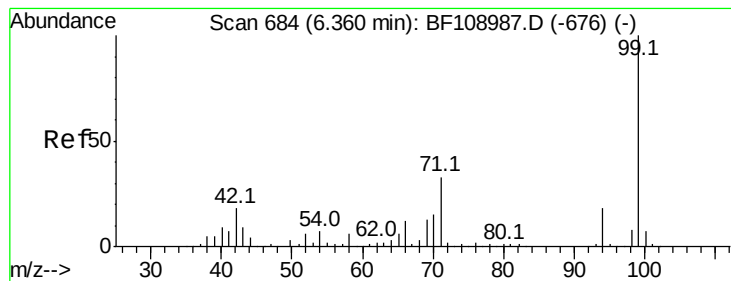


#5

2-Fluorophenol
 Concen: 14.156 ng
 RT: 5.32 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Tgt Ion:112 Resp: 98890
 Ion Ratio Lower Upper
 112 100
 64 52.9 47.9 71.9
 63 26.7 23.7 35.5





#7

Phenol-d6

Concen: 14.172 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

Instrument :

BNA_F

ClientSampleId :

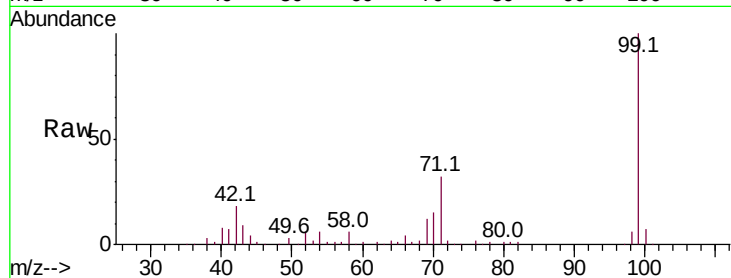
Tot Ion: 99 Resp: 127652

Ion Ratio Lower Upper

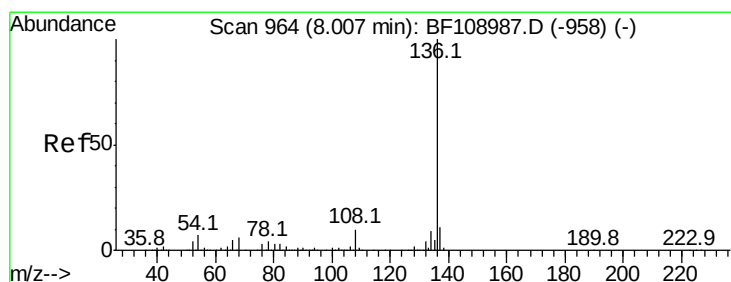
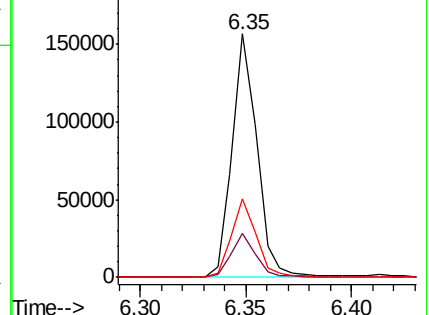
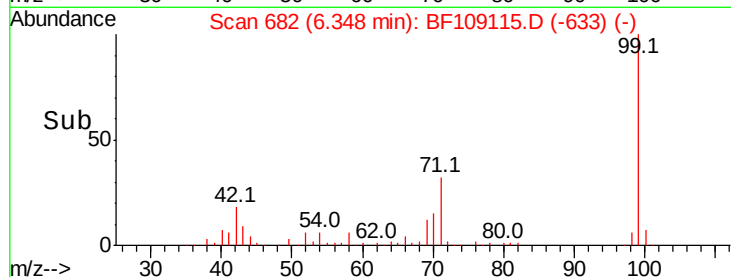
99 100

42 18.0 14.5 21.7

71 32.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

Tgt Ion: 136 Resp: 403706

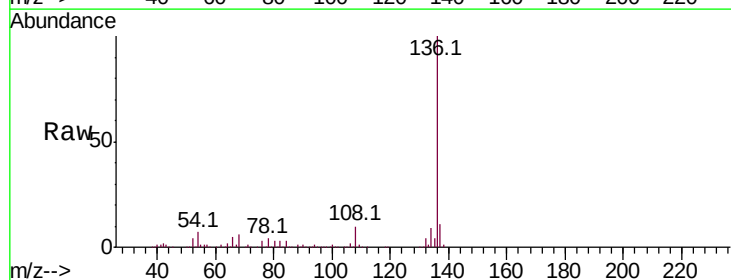
Ion Ratio Lower Upper

136 100

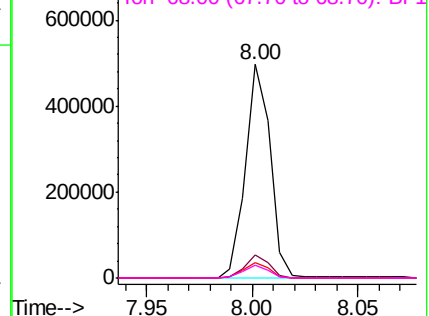
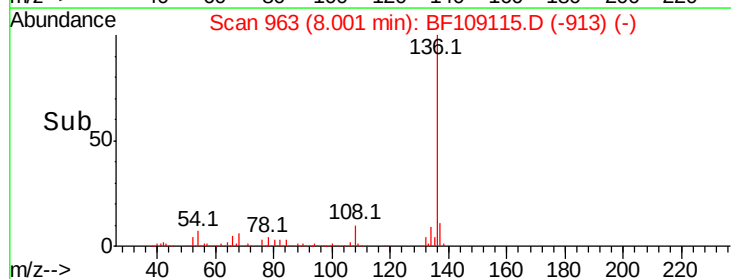
137 11.0 8.9 13.3

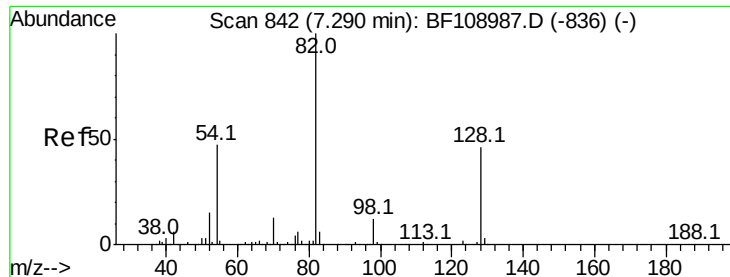
54 7.4 6.6 9.8

68 6.3 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

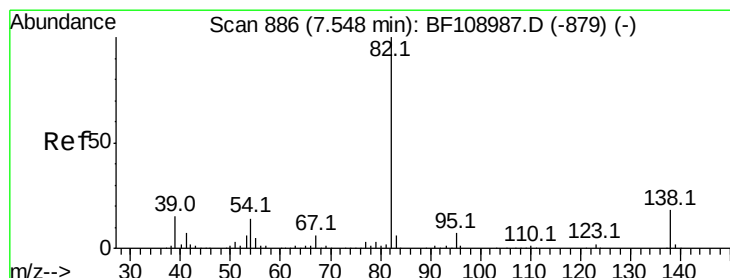
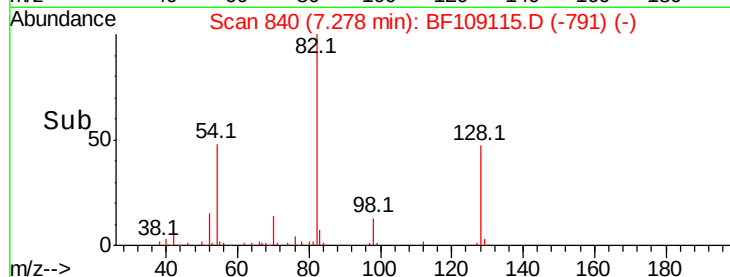
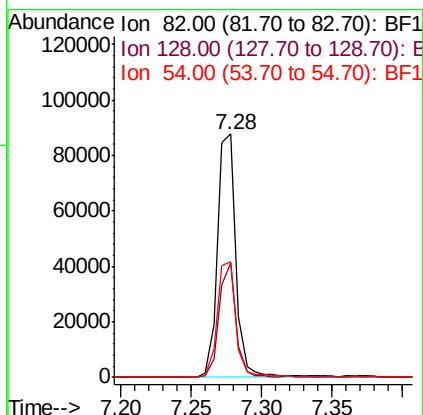
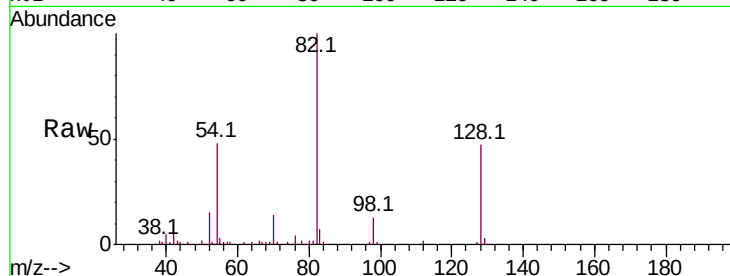




#23
 Nitrobenzene-d5
 Concen: 11.110 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

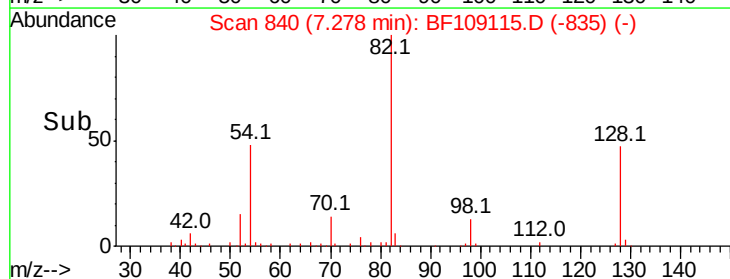
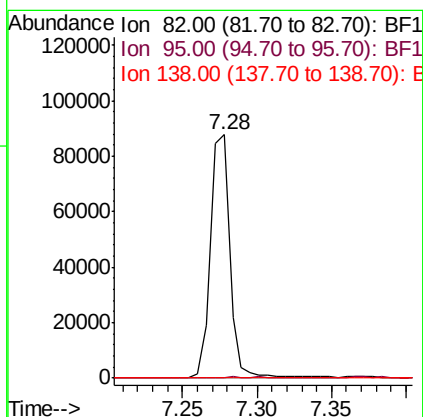
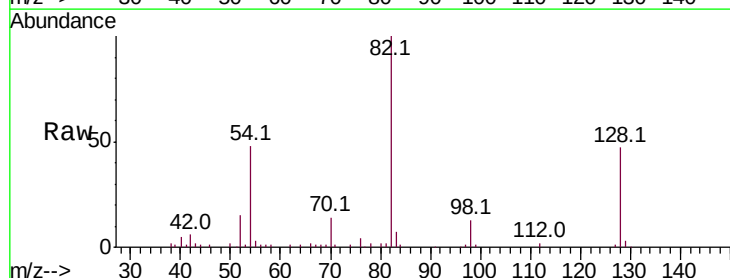
Instrument :
 BNA_F
 ClientSampled :

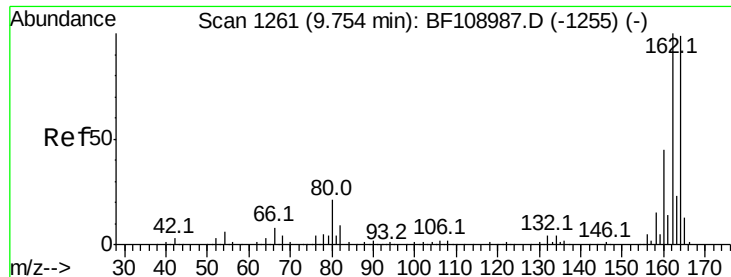
Tot Ion	82	Resp	79967
Ion Ratio	Lower	Upper	
82	100		
128	46.9	36.1	54.1
54	47.6	41.4	62.2



#25
 Isophorone
 Concen: 6.463 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.27 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Tgt Ion	82	Resp	79967
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

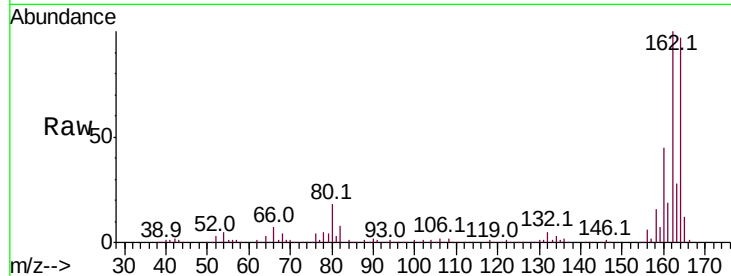




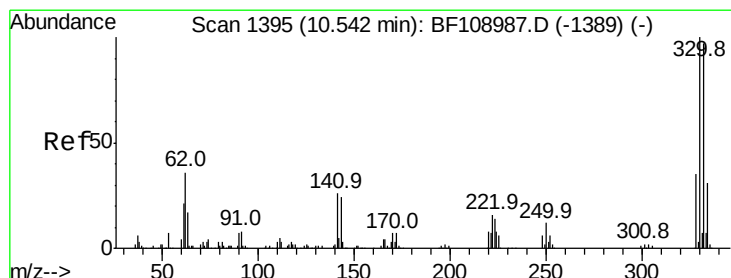
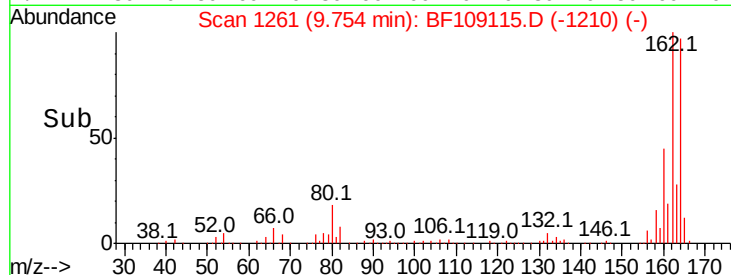
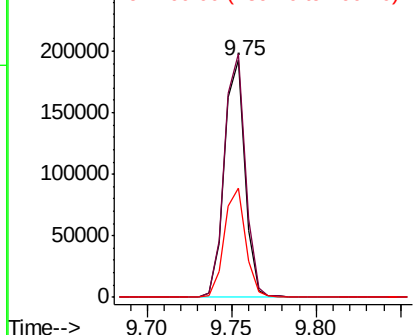
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 164438
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.1 129.1
 160 46.0 38.3 57.5

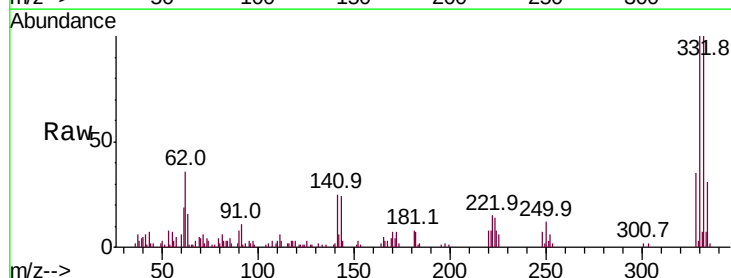


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

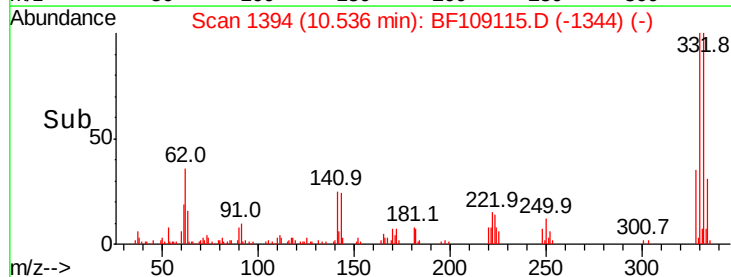
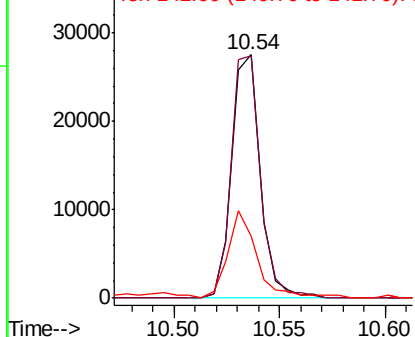


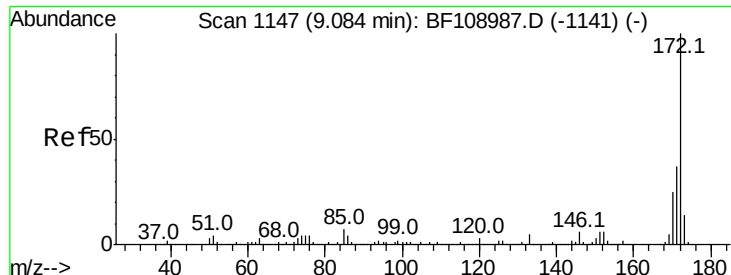
#41
 2,4,6-Tribromophenol
 Concen: 14.351 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Tgt Ion:330 Resp: 25611
 Ion Ratio Lower Upper
 330 100
 332 101.4 77.0 115.6
 141 37.2 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

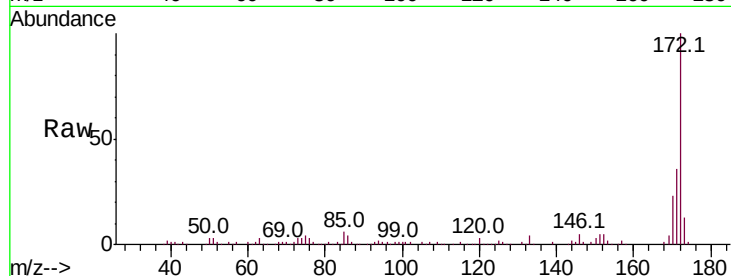




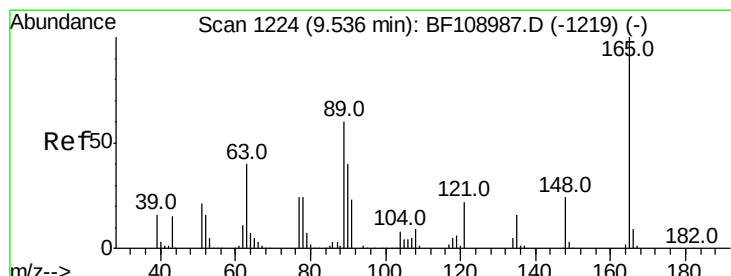
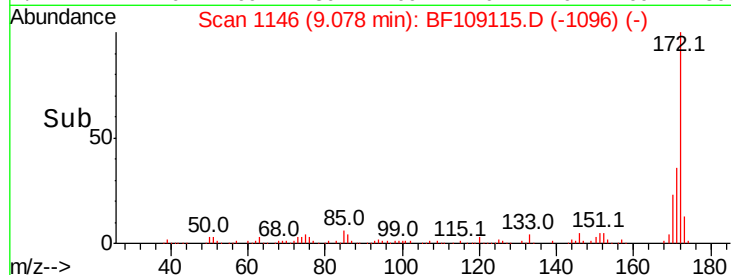
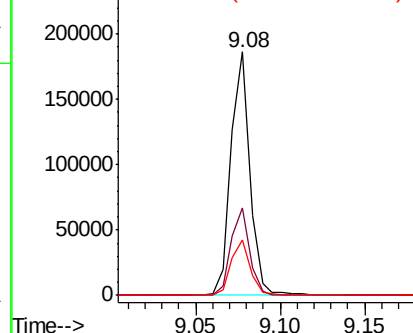
#44
 2-Fluorobiphenyl
 Concen: 13.907 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	22.9	19.6	29.4

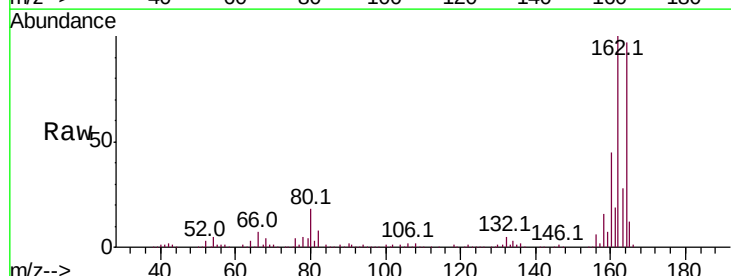


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

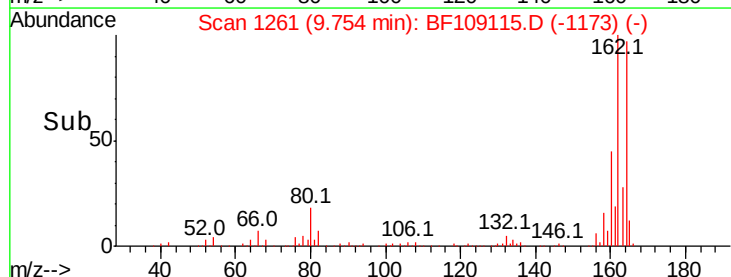
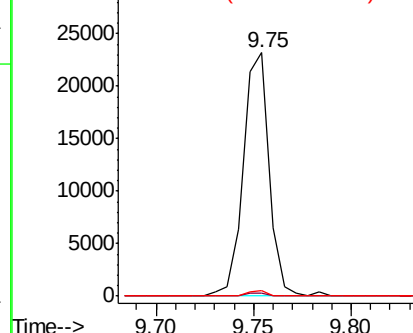


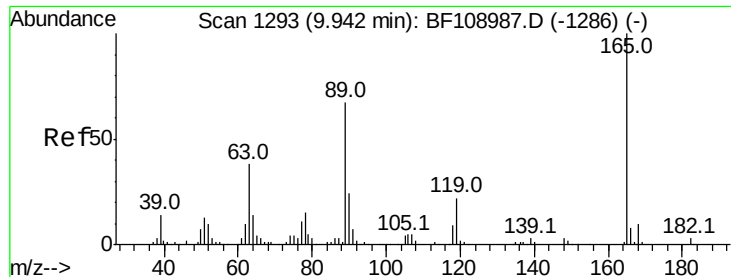
#50
 2,6-Dinitrotoluene
 Concen: 8.166 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. 0.22 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	2.1	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

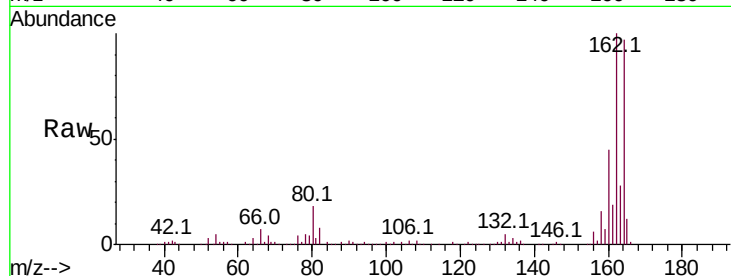




#56
 2,4-Dinitrotoluene
 Concen: 6.244 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.19 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

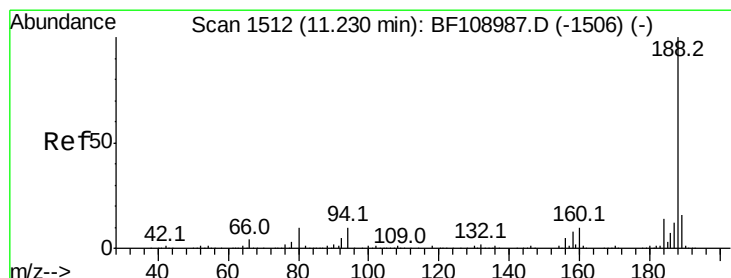
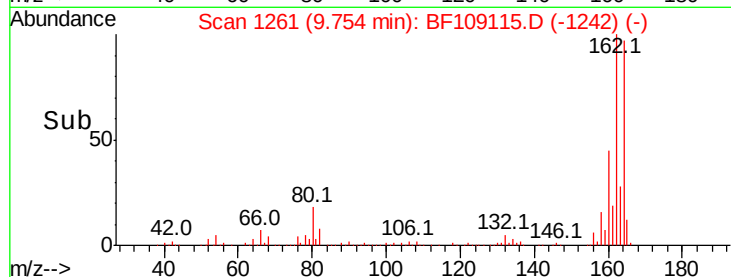
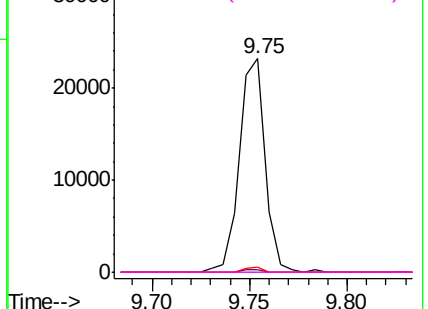


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

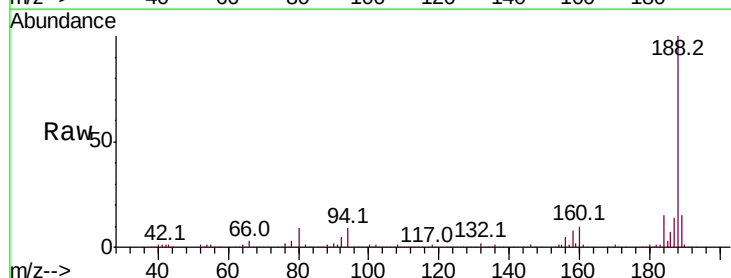
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: BF109115.D
 Acq: 19 Sep 2018 00:05

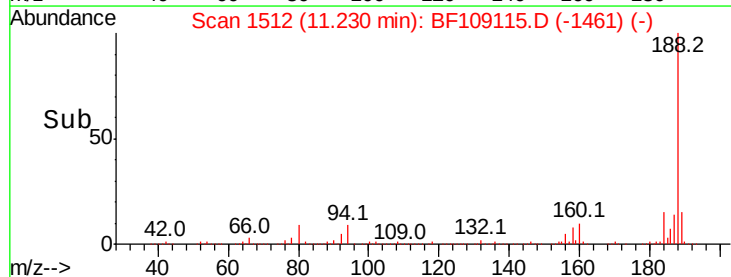
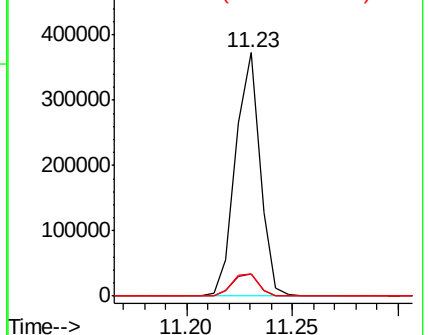
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.3	9.2	13.8

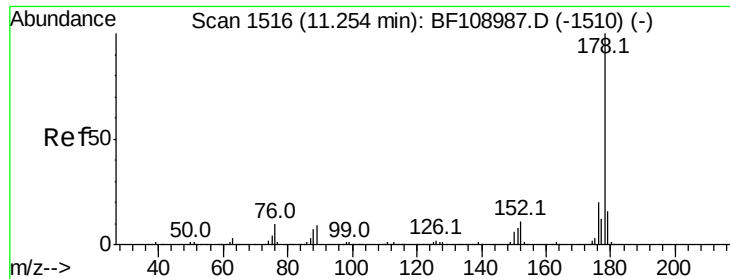


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 3.170 ng

RT: 11.25 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

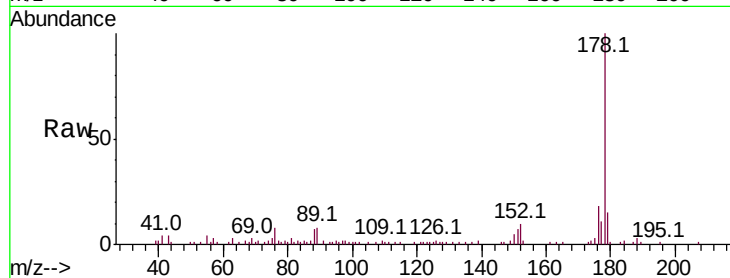
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 46487

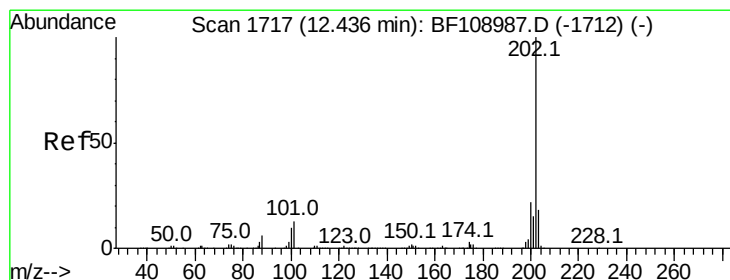
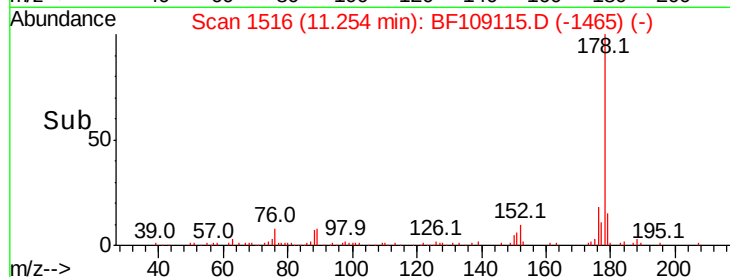
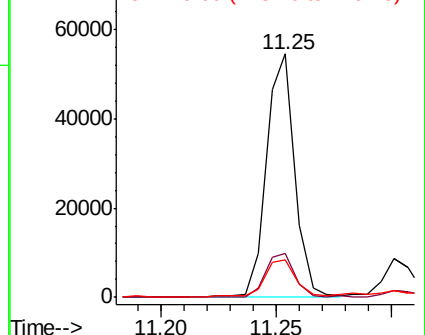
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.4	13.0	19.6



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: 4.474 ng

RT: 12.44 min Scan# 1717

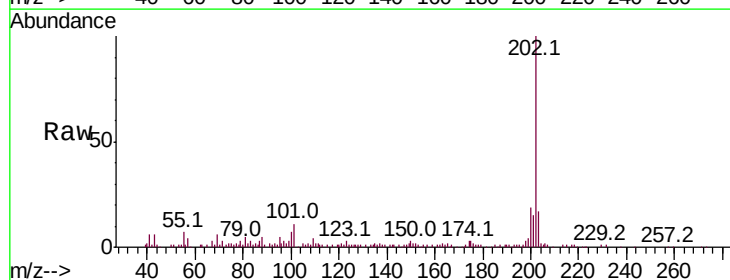
Delta R.T. 0.00 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

Tgt Ion:202 Resp: 69261

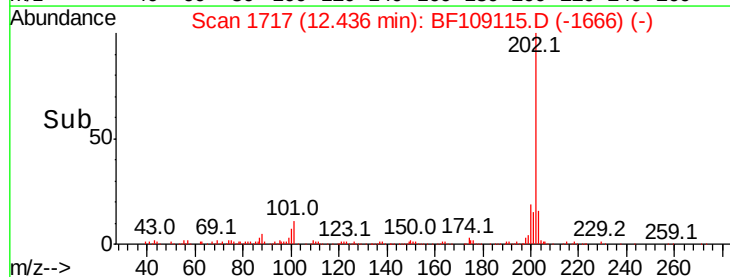
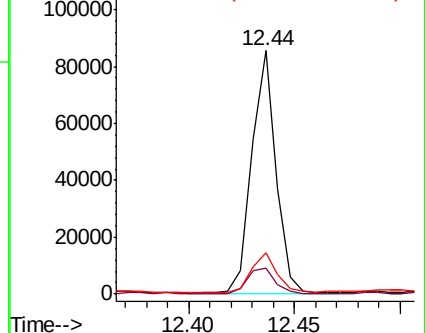
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	16.8	0.0	38.1

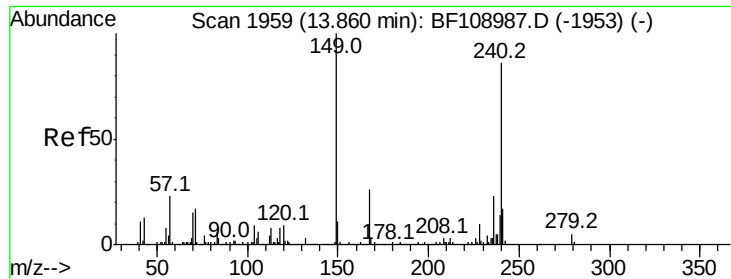


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

Instrument :

BNA_F

ClientSampleId :

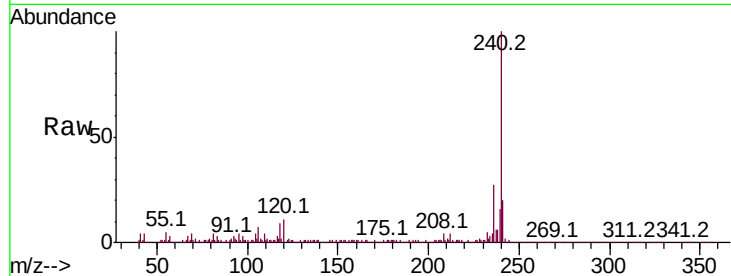
Tot Ion:240 Resp: 327148

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

236 26.6 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

500000

400000

300000

200000

100000

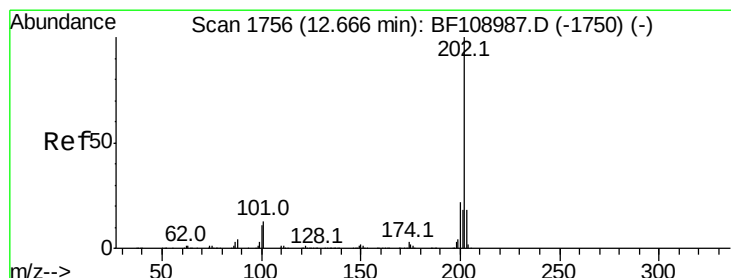
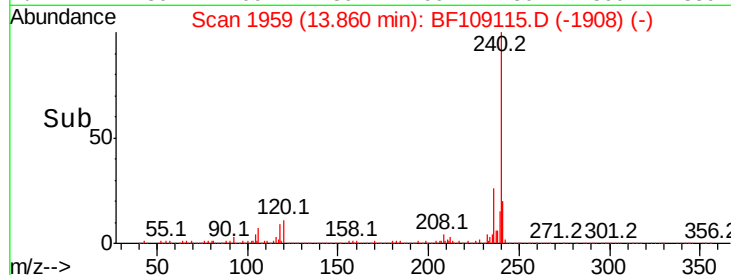
0

13.86

13.85

13.90

Time-->



#77

Pyrene

Concen: 2.475 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

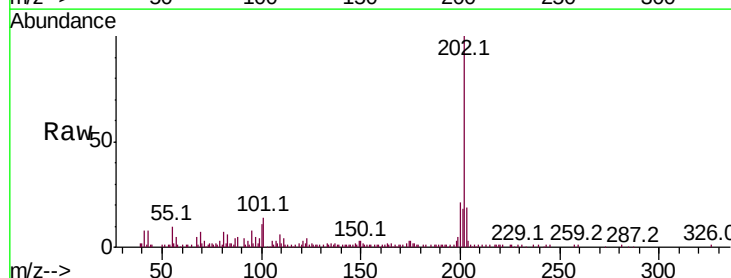
Tgt Ion:202 Resp: 60150

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 19.2 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

80000

60000

40000

20000

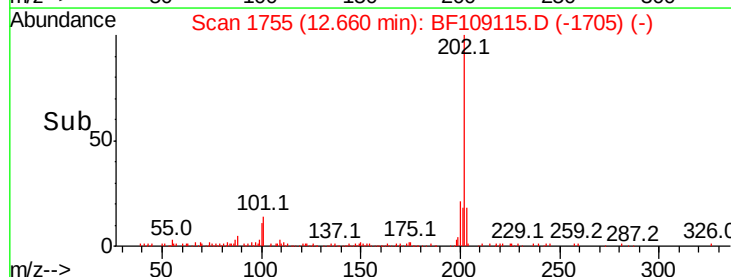
0

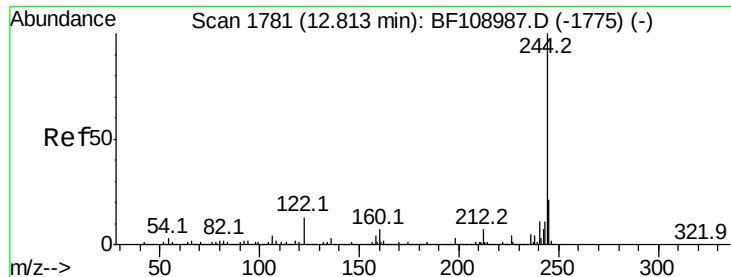
12.66

12.65

12.70

Time-->





#78

Terphenyl-d14

Concen: 10.653 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

Instrument :

BNA_F

ClientSampleId :

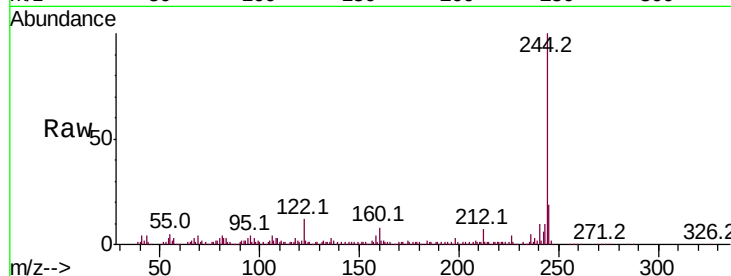
Tot Ion:244 Resp: 147028

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

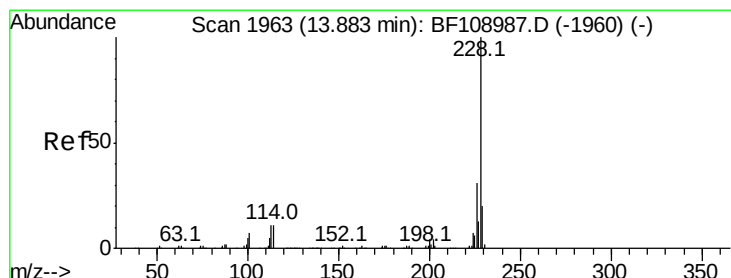
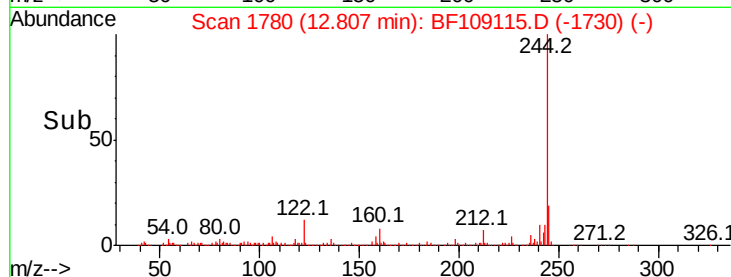
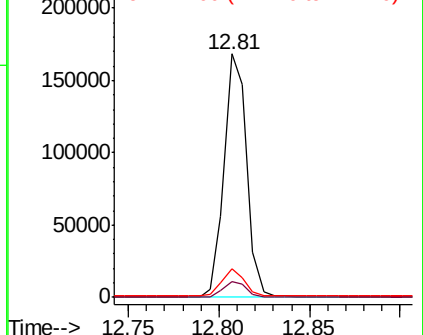
122 12.0 11.0 16.4



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



#82

Chrysene

Concen: 2.105 ng

RT: 13.88 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

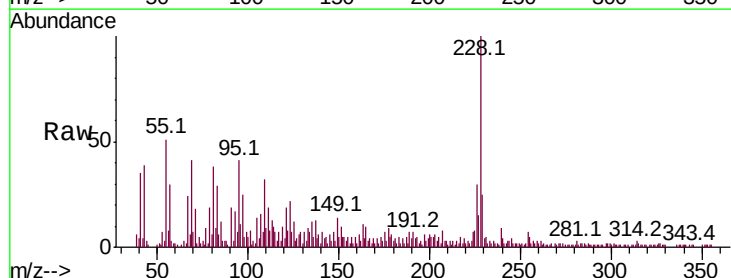
Tgt Ion:228 Resp: 41720

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

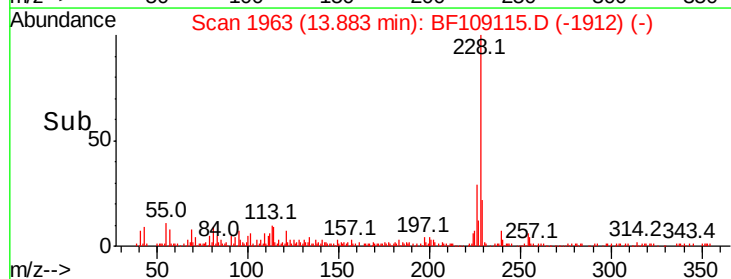
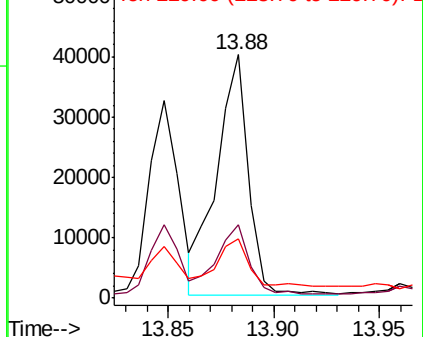
229 24.6 16.2 24.4#

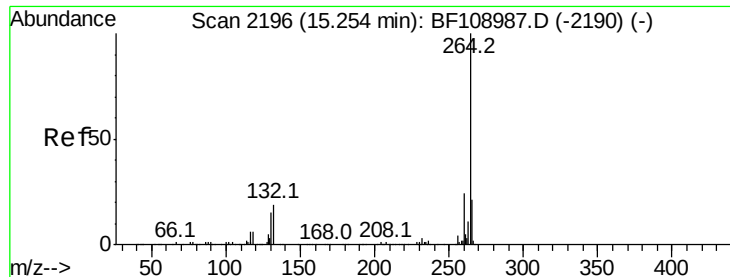


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

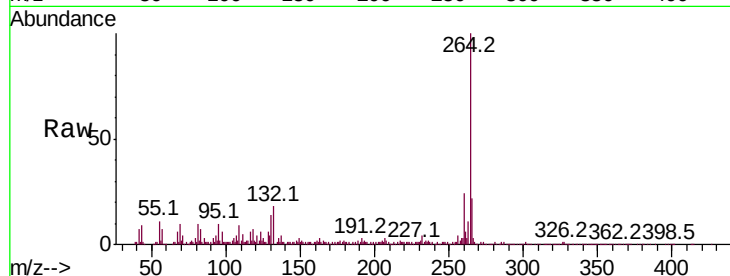




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109115.D
Acq: 19 Sep 2018 00:05

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.5	26.3

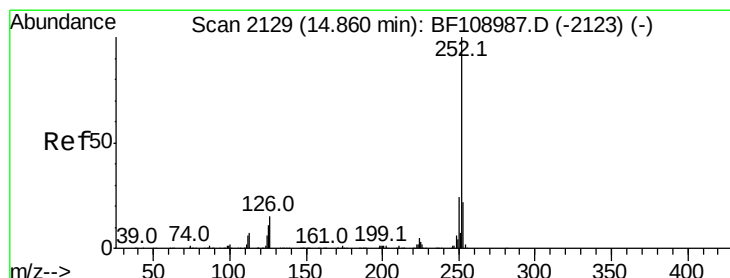
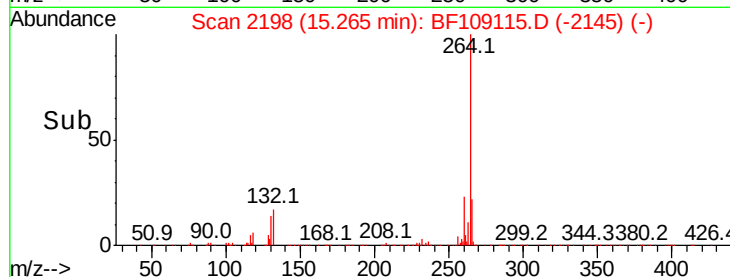
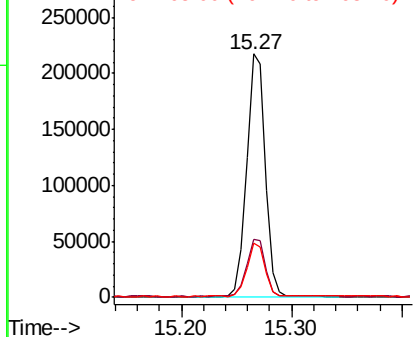


Abundance

Ion 264.00 (263.70 to 264.70): E

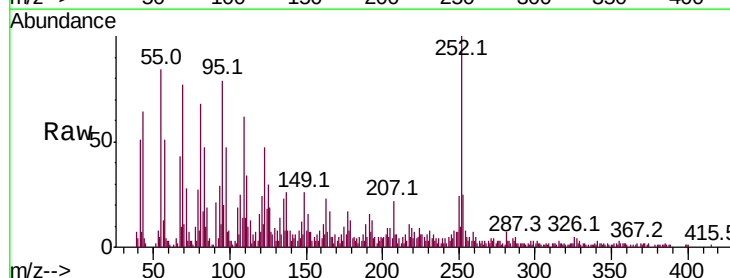
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 3.999 ng
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109115.D
Acq: 19 Sep 2018 00:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	29.6	9.0	13.6

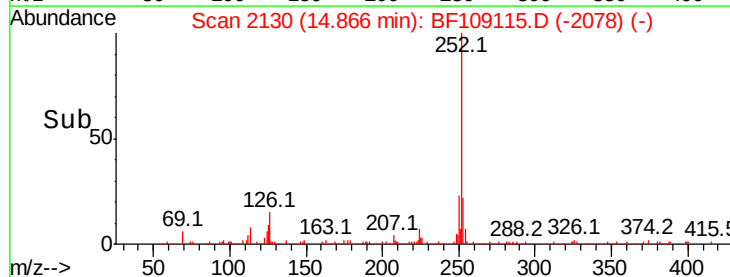
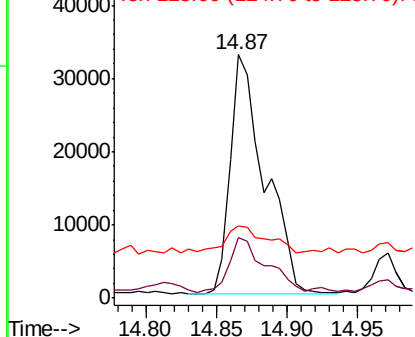


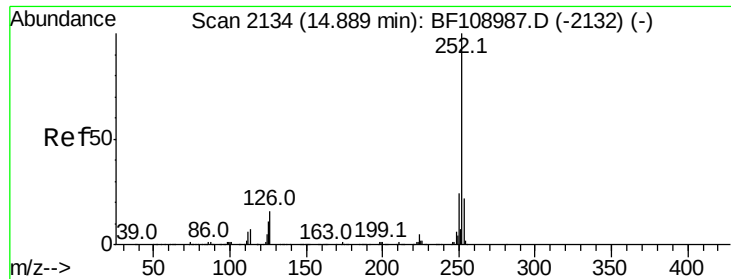
Abundance

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: 4.282 ng

RT: 14.87 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BF109115.D

Acq: 19 Sep 2018 00:05

Instrument :

BNA_F

ClientSampleId :

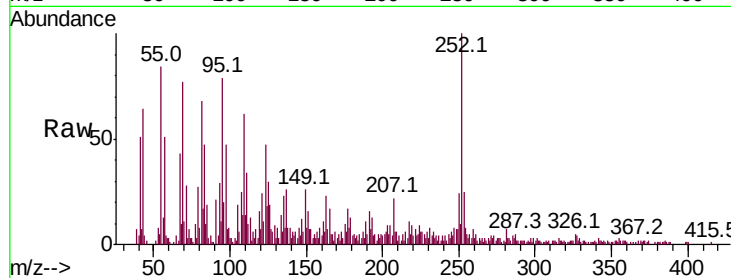
Tot Ion:252 Resp: 56628

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

125 29.6 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

