

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101018\
 Data File : BF109759.D
 Acq On : 10 Oct 2018 23:05
 Operator : JU/SJ
 Sample : J5373-03 4X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT1499-3783-RT3026

Quant Time: Oct 11 05:48:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	82025	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	362531	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	159322	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	267446	20.00	ng	0.00
75) Chrysene-d12	13.83	240	213733	20.00	ng	0.00
86) Perylene-d12	15.23	264	179511	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	65407	14.15	ng	-0.01
7) Phenol-d6	6.35	99	127178	20.60	ng	-0.01
23) Nitrobenzene-d5	7.26	82	71528	10.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	29101	16.76	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	138433	11.97	ng	-0.01
78) Terphenyl-d14	12.77	244	102307	9.27	ng	-0.01

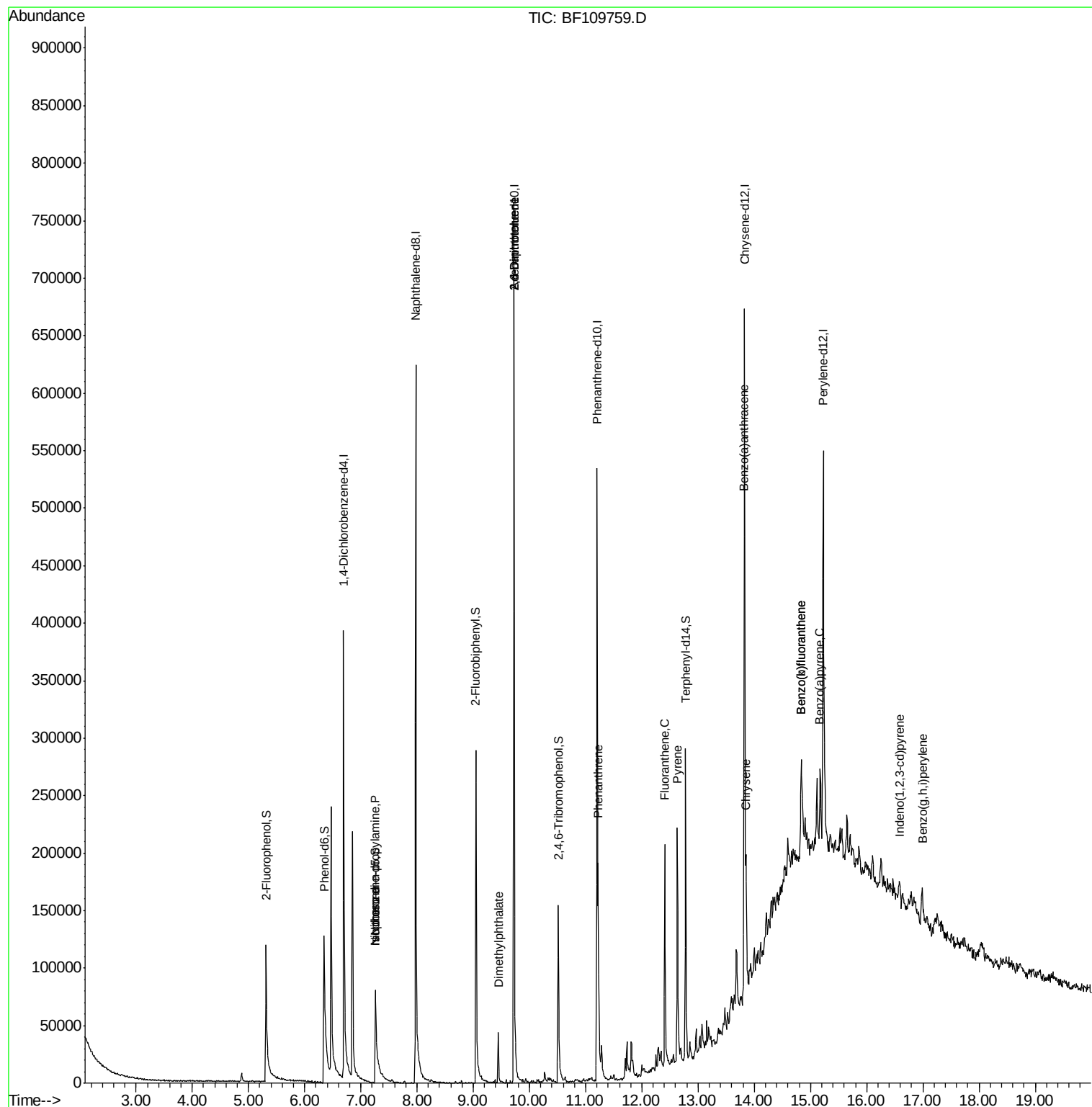
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	10221	2.361	ng	# 78
25) Isophorone	7.26	82	71528	6.550	ng	# 67
49) Dimethylphthalate	9.45	163	25030	2.142	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	20049	7.916	ng	# 23
56) 2,4-Dinitrotoluene	9.72	165	20050	6.343	ng	# 19
70) Phenanthrene	11.22	178	70721	5.284	ng	# 97
74) Fluoranthene	12.41	202	106019	7.582	ng	# 99
77) Pyrene	12.63	202	98994	6.322	ng	# 98
80) Benzo(a)anthracene	13.82	228	53708	4.554	ng	# 94
82) Chrysene	13.85	228	43013	3.472	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.58	276	18814	2.122	ng	# 94
87) Benzo(b)fluoranthene	14.84	252	59982	6.047	ng	# 94
88) Benzo(k)fluoranthene	14.84	252	59982	6.018	ng	# 93
89) Benzo(a)pyrene	15.17	252	35676	3.963	ng	# 90
91) Benzo(g,h,i)perylene	16.99	276	28005	3.793	ng	# 95

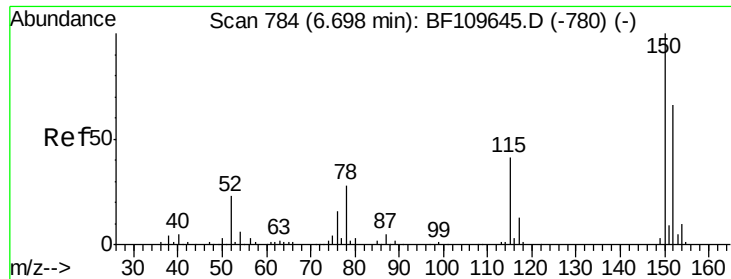
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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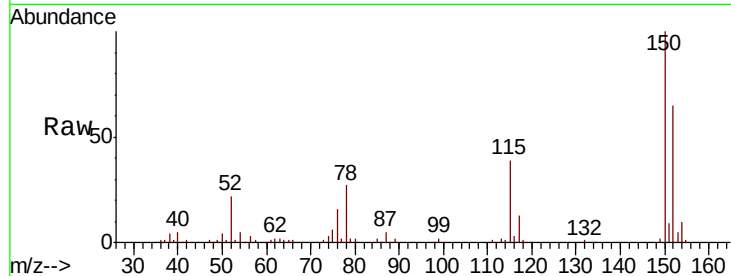


#1

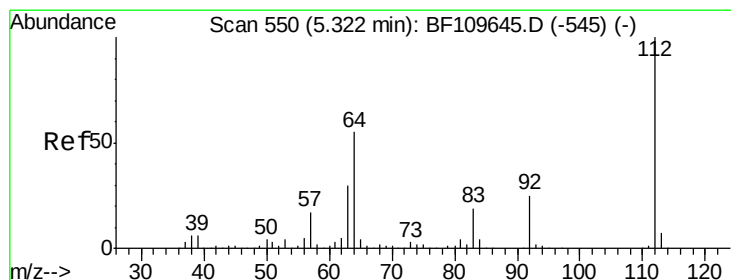
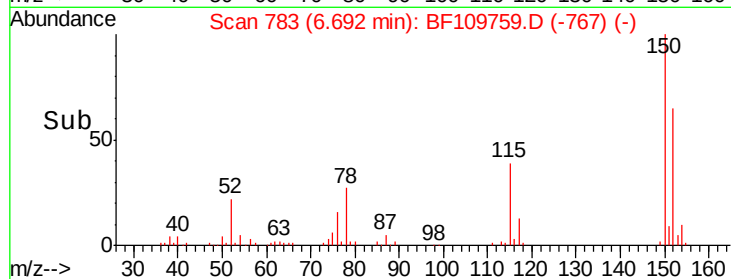
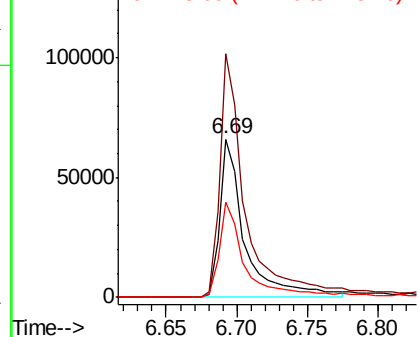
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109759.D
Acq: 10 Oct 2018 23:05

Instrument :
BNA_F
ClientSampleId :
RT1499-3783-RT3026

Tgt Ion:152 Resp: 82025
Ion Ratio Lower Upper
152 100
150 154.1 122.7 184.1
115 60.1 49.1 73.7



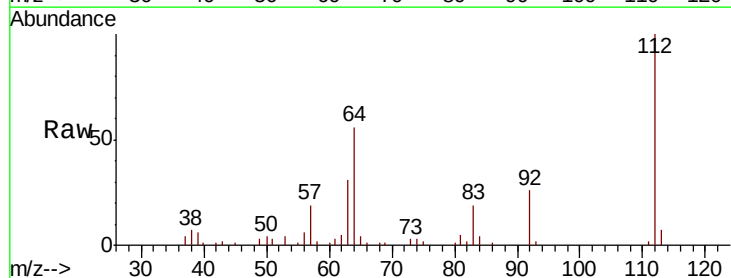
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



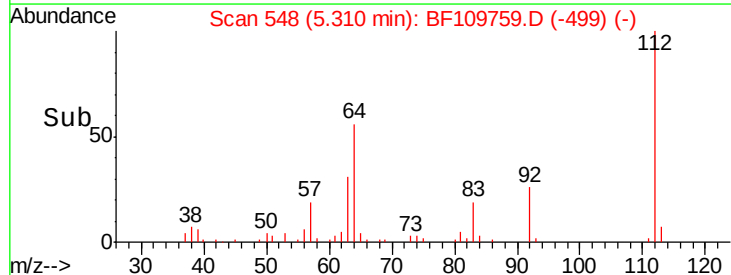
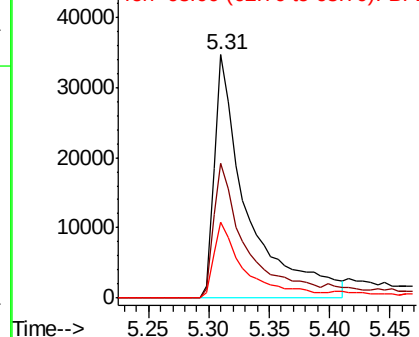
#5

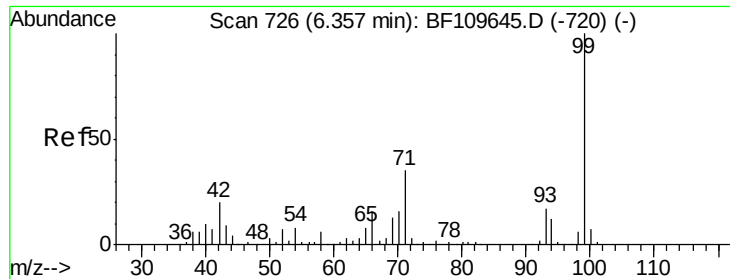
2-Fluorophenol
Concen: 14.154 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109759.D
Acq: 10 Oct 2018 23:05

Tgt Ion:112 Resp: 65407
Ion Ratio Lower Upper
112 100
64 55.6 44.1 66.1
63 31.4 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: 20.602 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

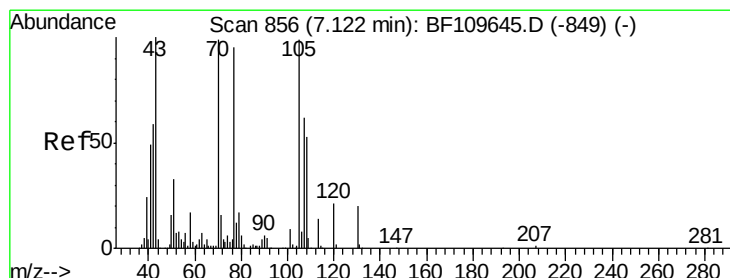
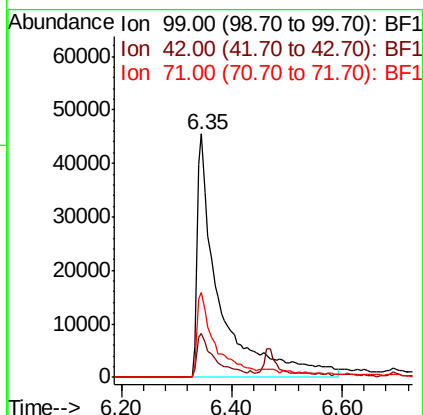
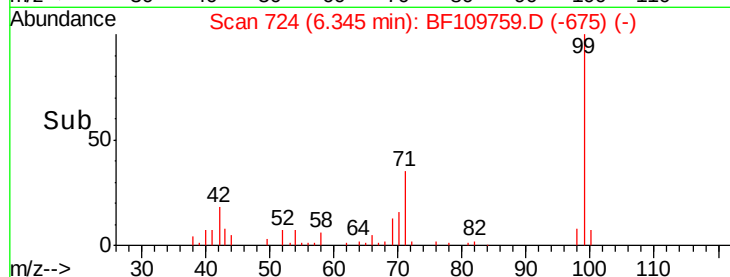
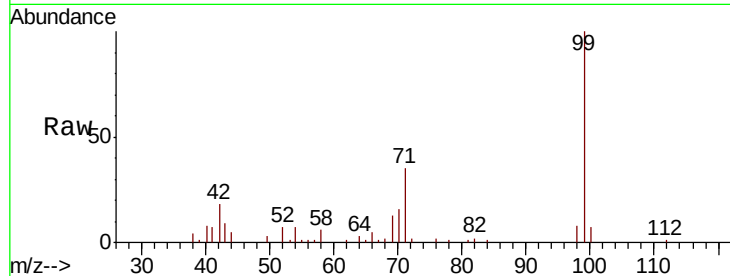
Tgt Ion: 99 Resp: 127178

Ion Ratio Lower Upper

99 100

42 18.2 15.8 23.6

71 35.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.361 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Tgt Ion: 70 Resp: 10221

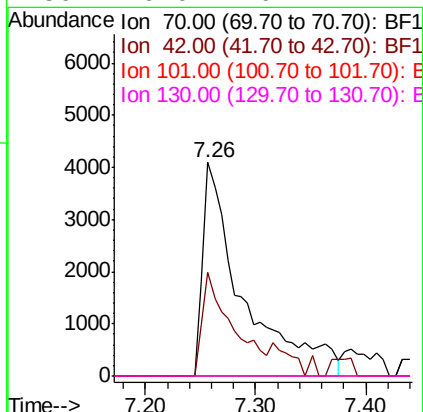
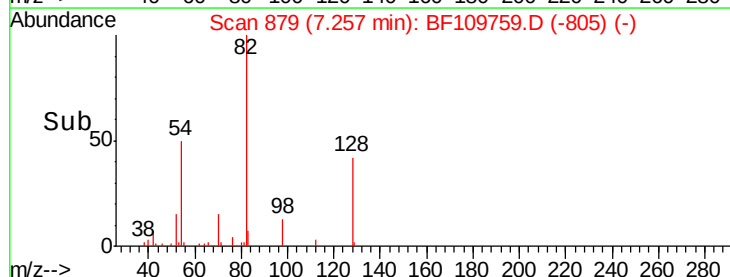
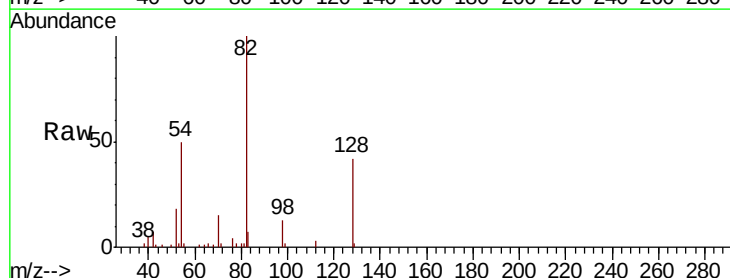
Ion Ratio Lower Upper

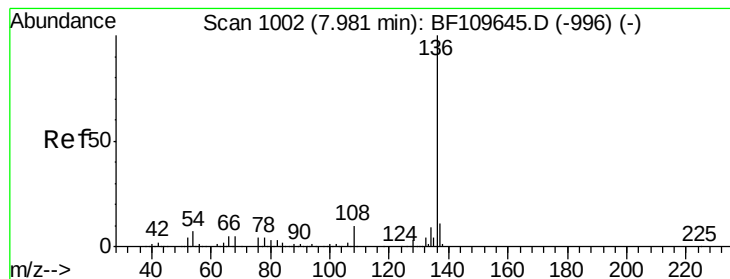
70 100

42 48.8 47.4 71.2

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

Tgt Ion:136 Resp: 362531

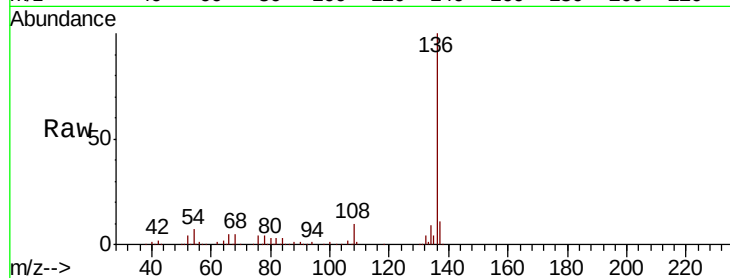
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 6.8 5.4 8.2

68 5.1 4.2 6.2

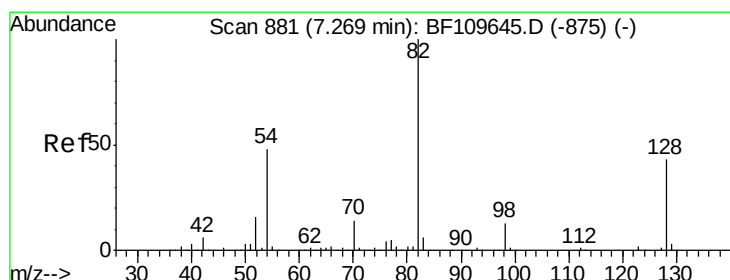
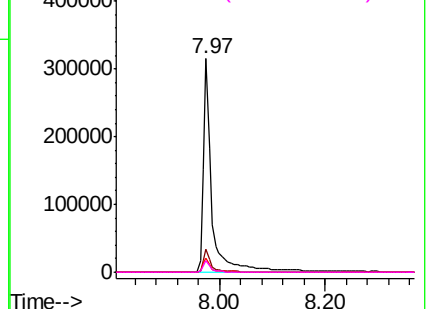
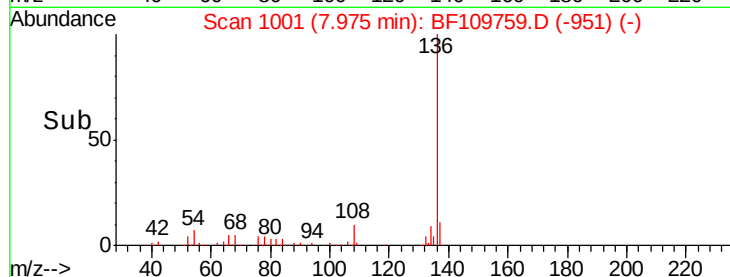


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.876 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

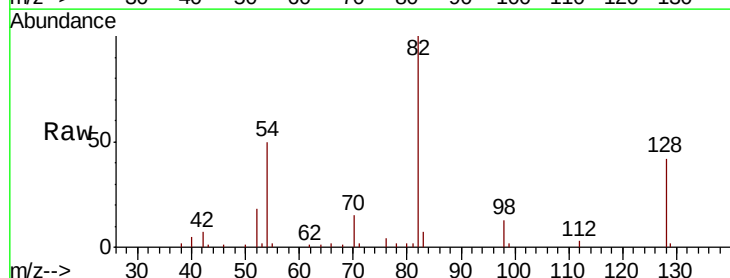
Tgt Ion: 82 Resp: 71528

Ion Ratio Lower Upper

82 100

128 41.5 34.2 51.2

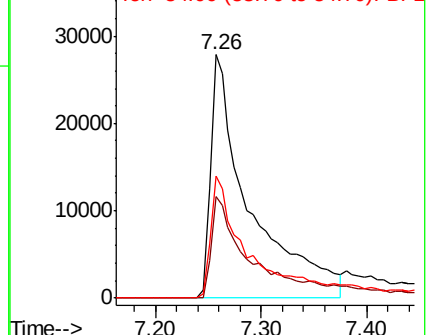
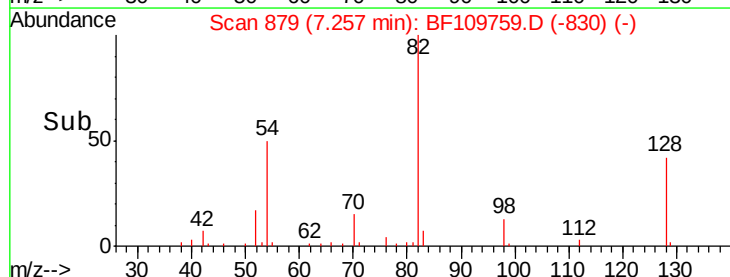
54 49.9 38.6 58.0

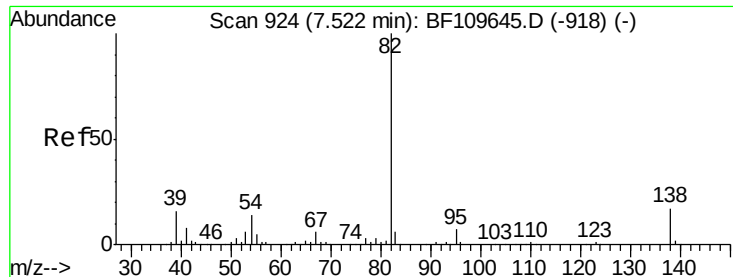


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.550 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

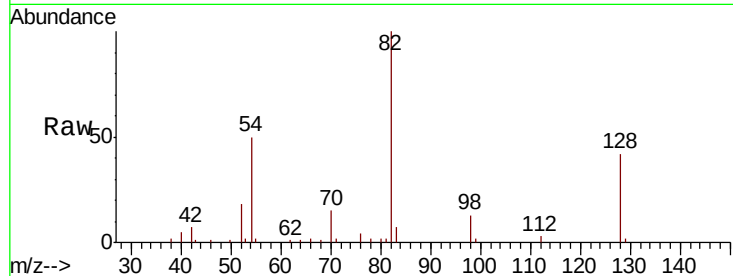
Tgt Ion: 82 Resp: 71528

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

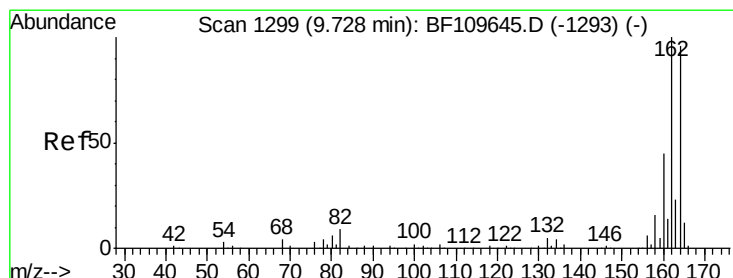
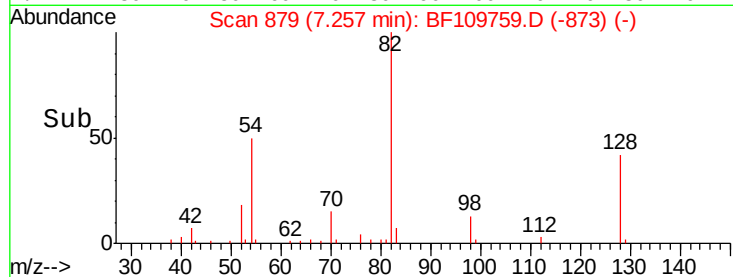
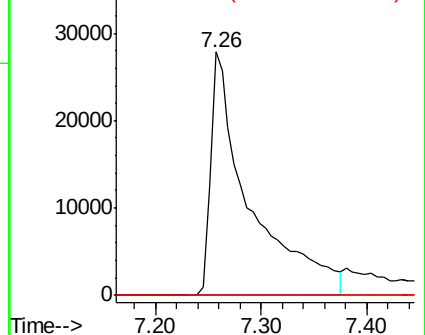
138 0.0 13.2 19.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

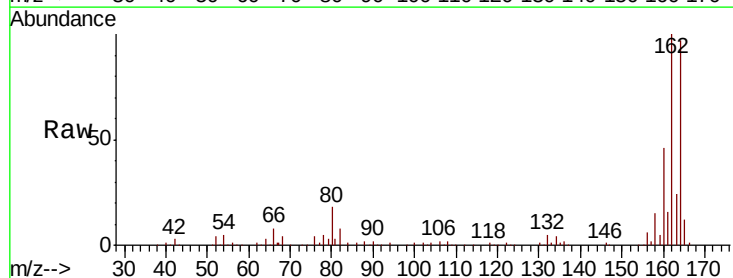
Tgt Ion: 164 Resp: 159322

Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.6

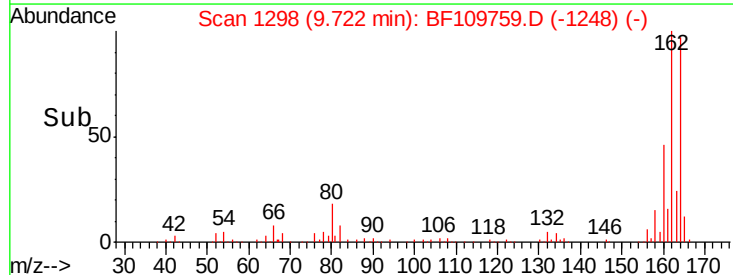
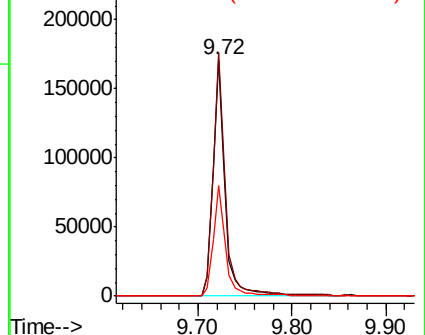
160 46.8 37.0 55.6

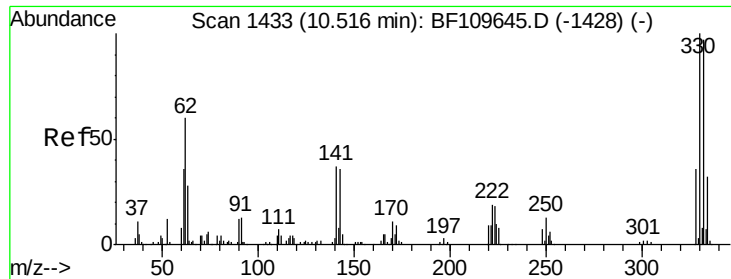


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

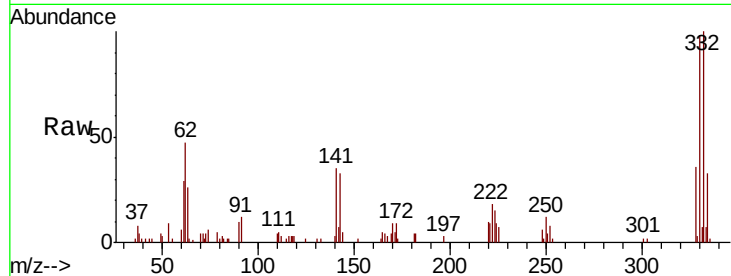




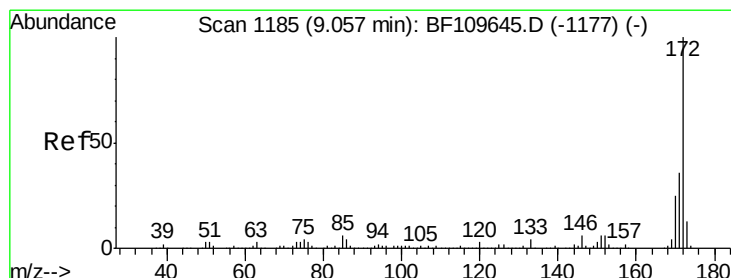
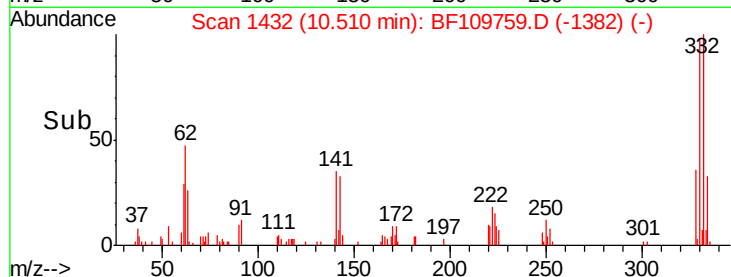
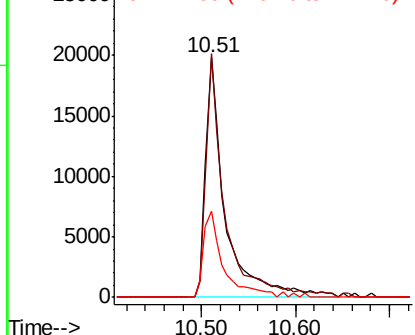
#41
 2,4,6-Tribromophenol
 Concen: 16.763 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109759.D
 Acq: 10 Oct 2018 23:05

Instrument :
 BNA_F
 ClientSampleId :
 RT1499-3783-RT3026

Tgt Ion:330 Resp: 29101
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.1 115.7
 141 36.0 27.0 40.4

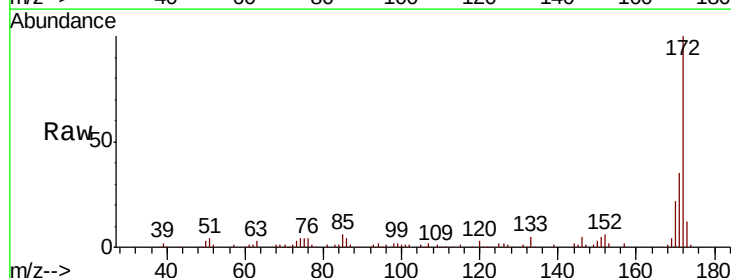


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

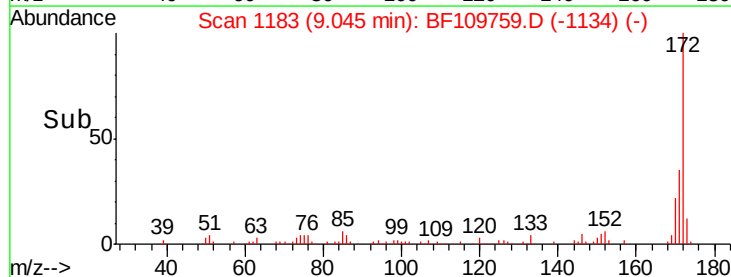
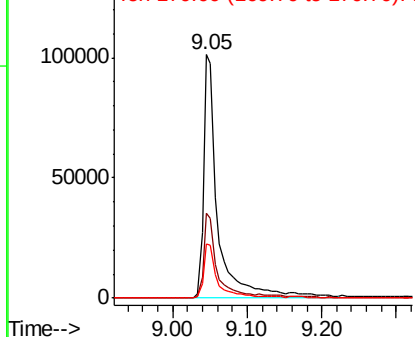


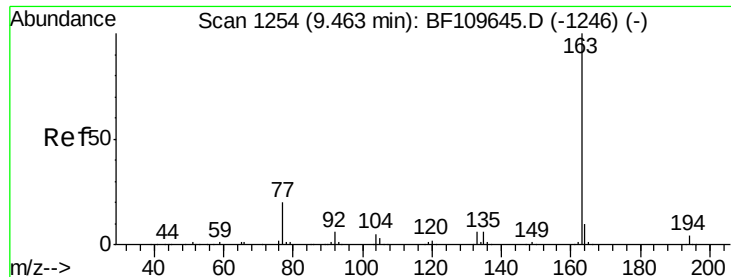
#44
 2-Fluorobiphenyl
 Concen: 11.967 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109759.D
 Acq: 10 Oct 2018 23:05

Tgt Ion:172 Resp: 138433
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 43.0
 170 22.1 19.7 29.5



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

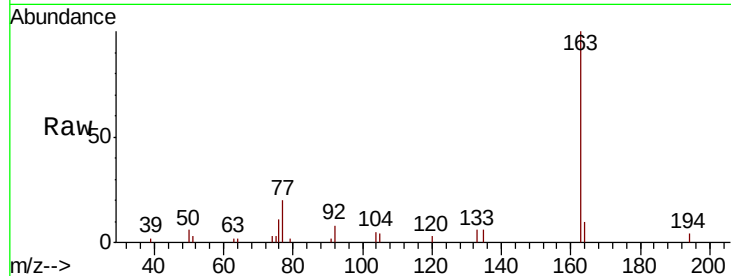




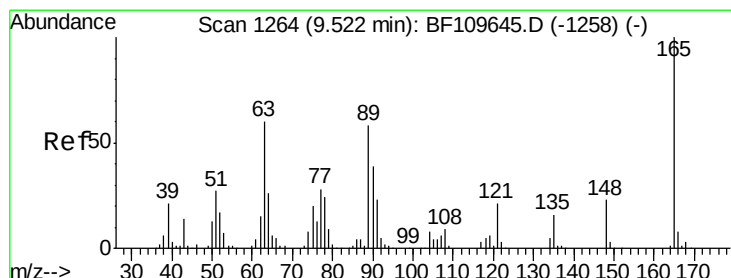
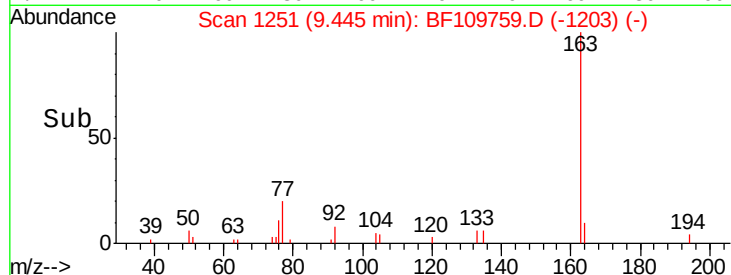
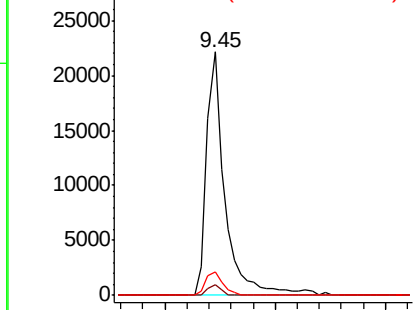
#49
 Dimethylphthalate
 Concen: 2.142 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: BF109759.D
 Acq: 10 Oct 2018 23:05

Instrument :
 BNA_F
 ClientSampleId :
 RT1499-3783-RT3026

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	9.9	8.1	12.1

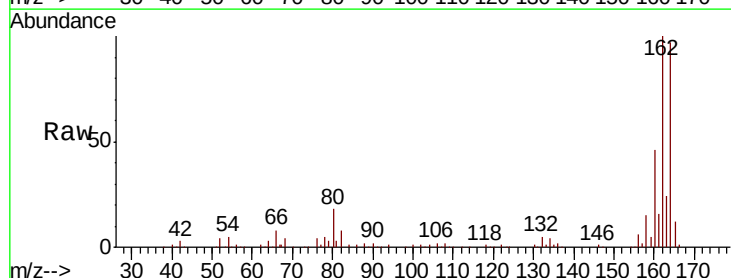


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

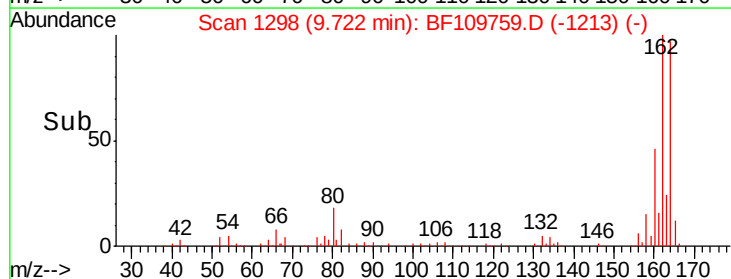
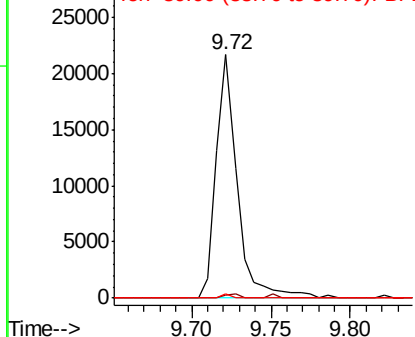


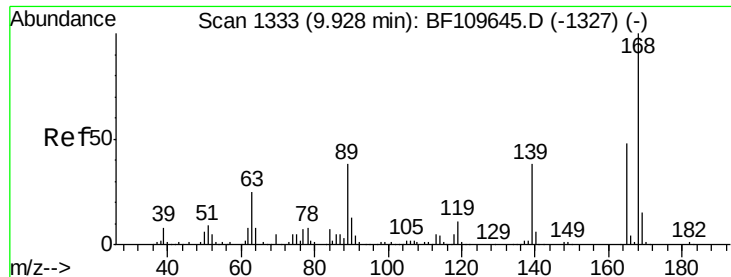
#50
 2,6-Dinitrotoluene
 Concen: 7.916 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109759.D
 Acq: 10 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	48.9	73.3#
89	1.7	46.6	69.8#



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

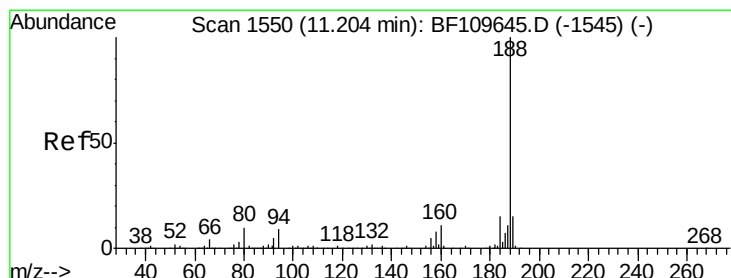
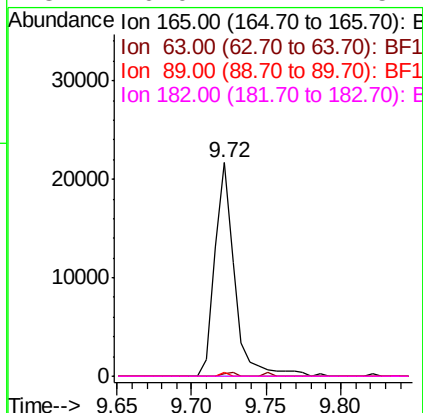
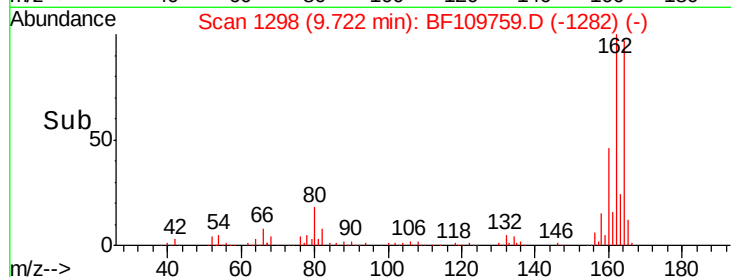
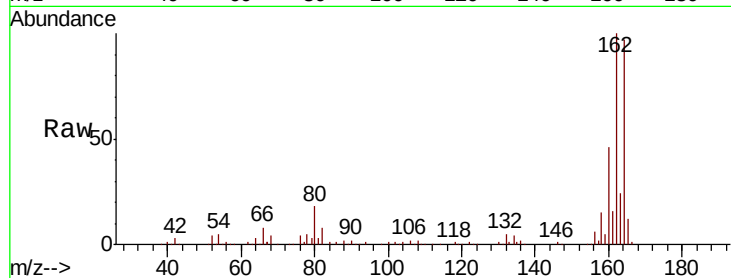




#56
 2,4-Dinitrotoluene
 Concen: 6.343 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109759.D
 Acq: 10 Oct 2018 23:05

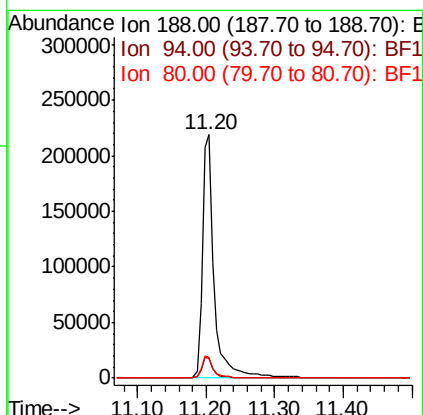
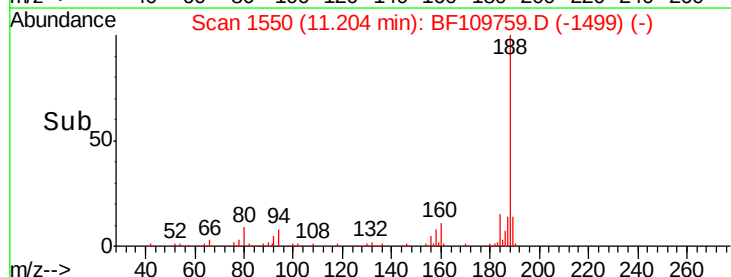
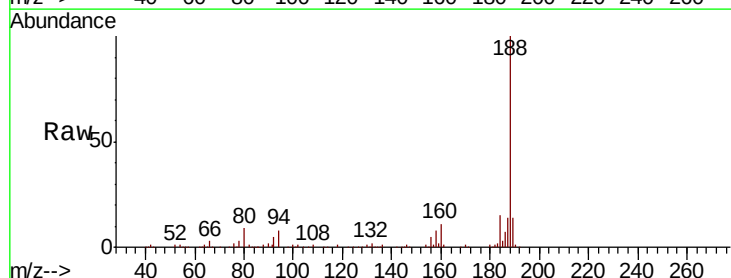
Instrument :
 BNA_F
 ClientSampleId :
 RT1499-3783-RT3026

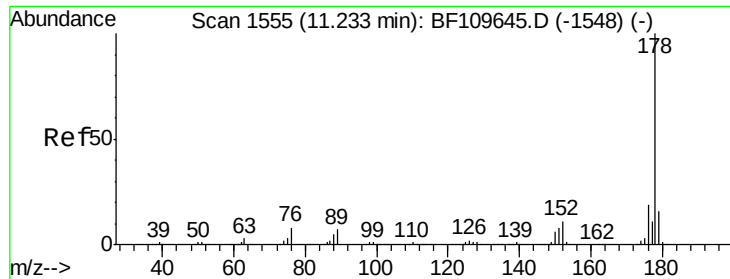
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.7	62.2	93.4#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BF109759.D
 Acq: 10 Oct 2018 23:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.2	10.8
80	8.7	7.9	11.9





#70

Phenanthrene

Concen: 5.284 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

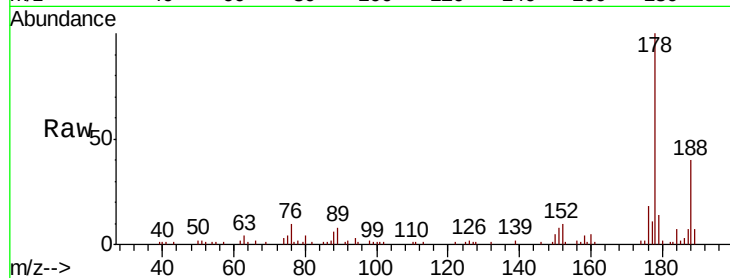
Tgt Ion:178 Resp: 70721

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

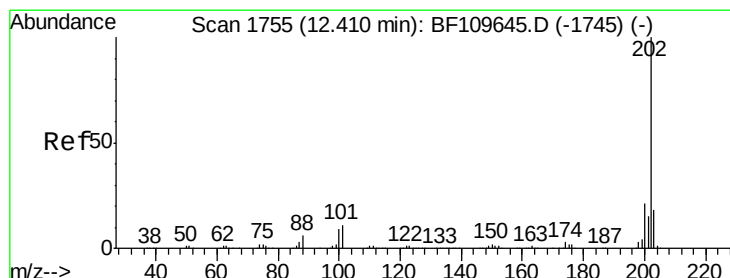
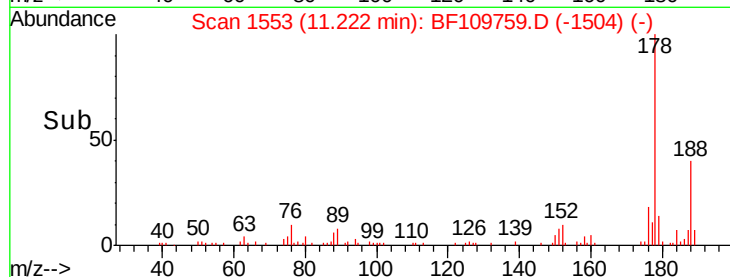
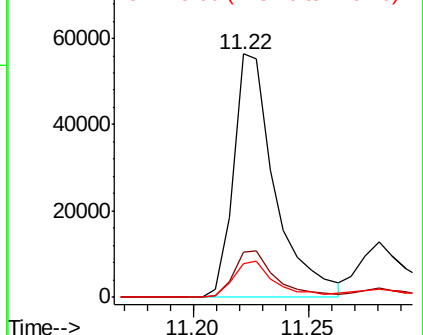
179 13.8 12.5 18.7



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: 7.582 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

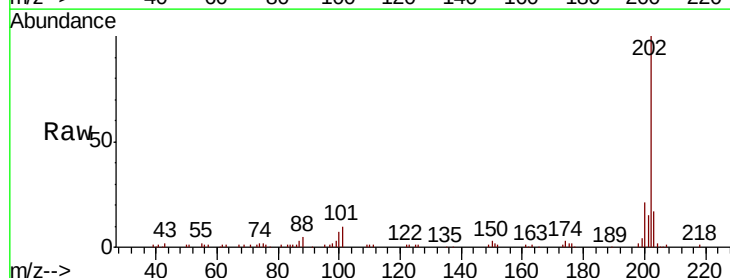
Tgt Ion:202 Resp: 106019

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

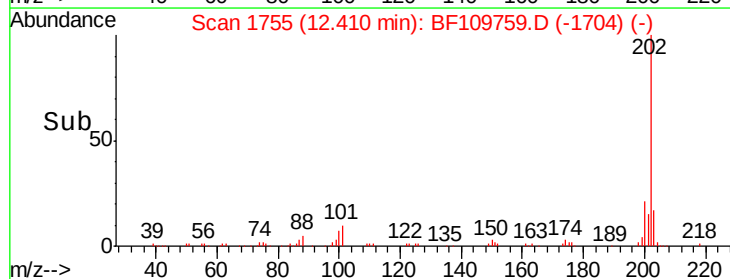
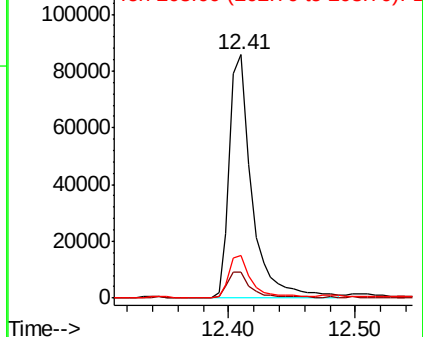
203 17.5 0.0 37.7

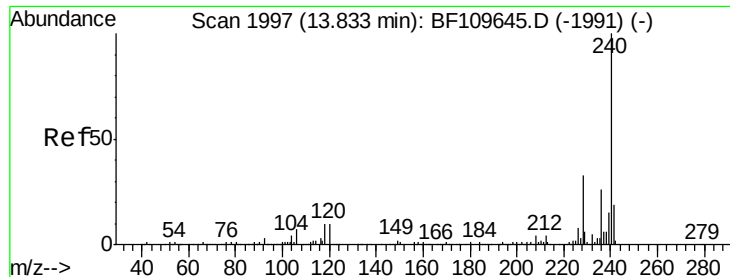


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

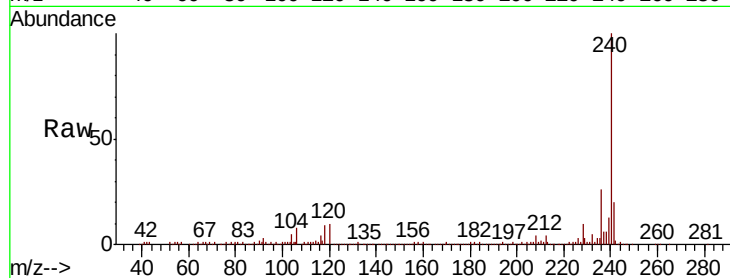
Tgt Ion:240 Resp: 213733

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

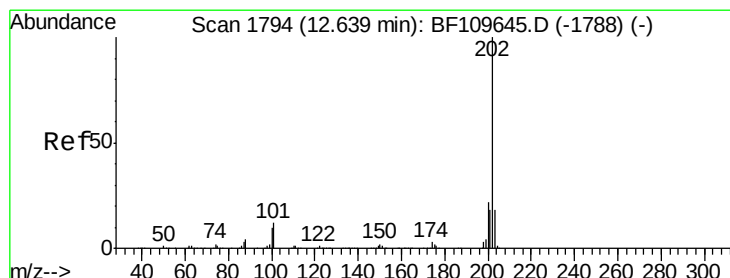
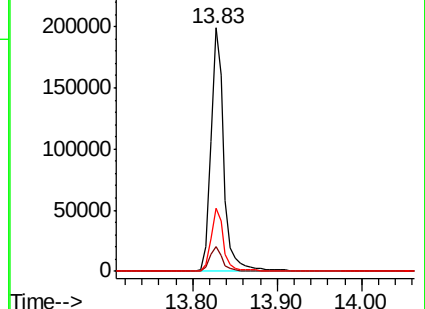
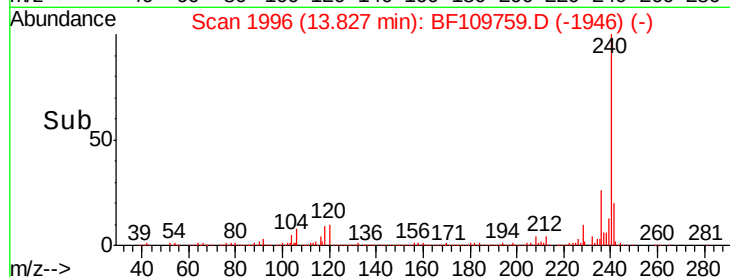
236 25.7 21.2 31.8



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: 6.322 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

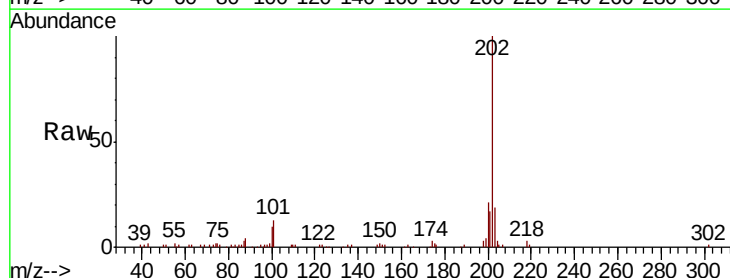
Tgt Ion:202 Resp: 98994

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

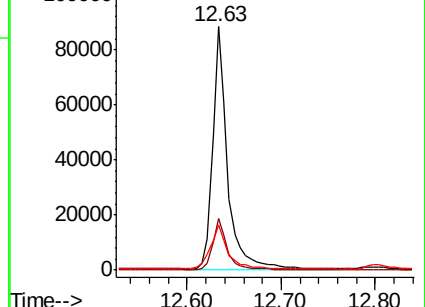
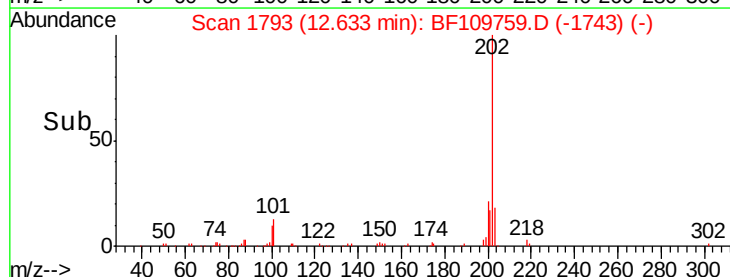
203 18.7 14.2 21.4

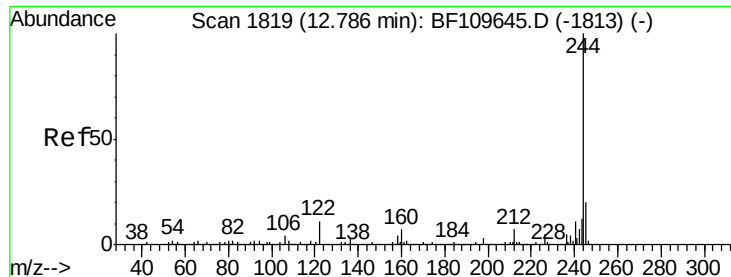


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.266 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

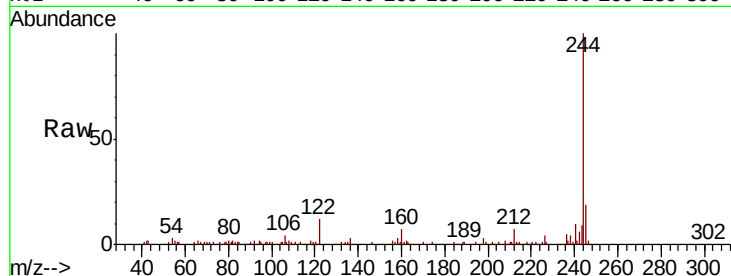
Tgt Ion:244 Resp: 102307

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

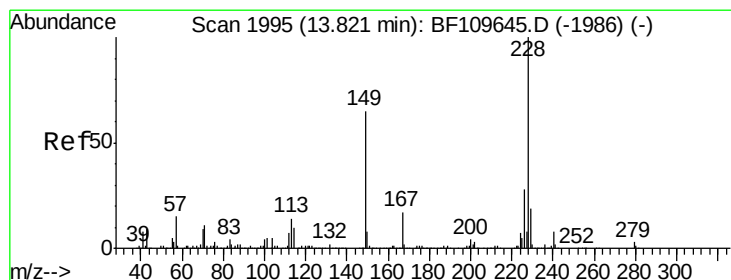
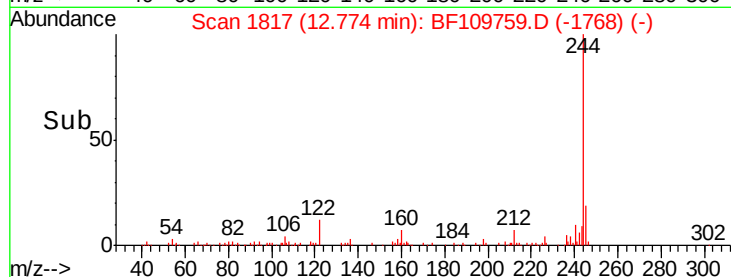
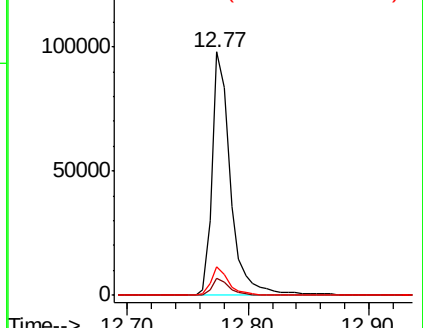
122 11.8 8.7 13.1



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: 4.554 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

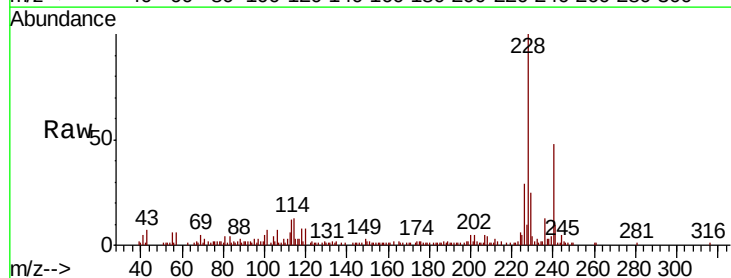
Tgt Ion:228 Resp: 53708

Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

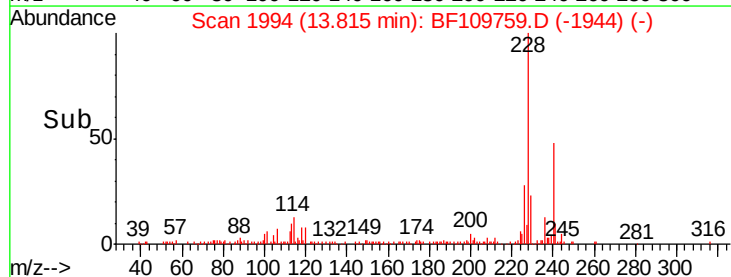
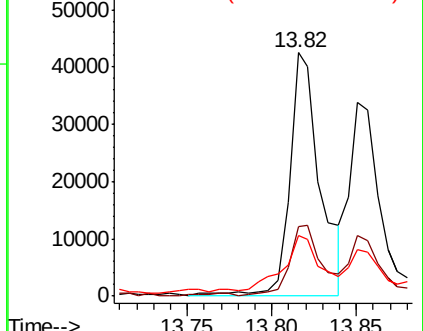
229 24.6 15.6 23.4#

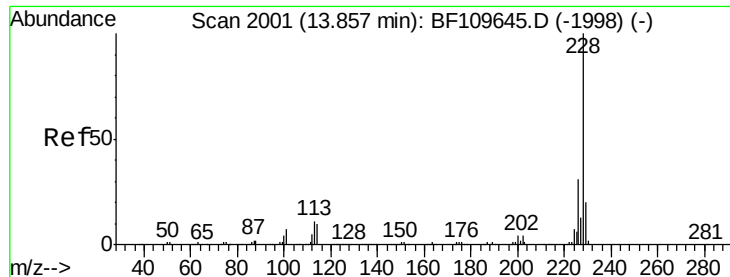


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.472 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

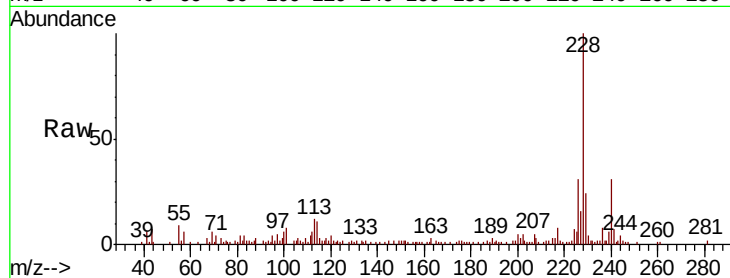
Tgt Ion: 228 Resp: 43013

Ion Ratio Lower Upper

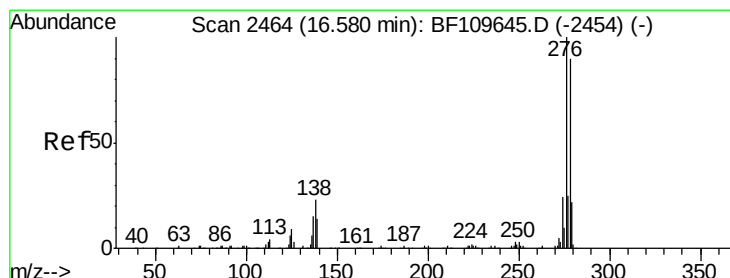
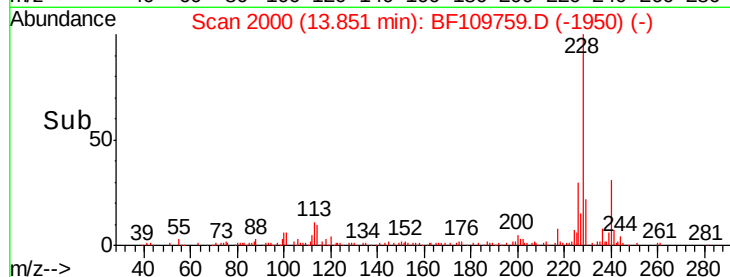
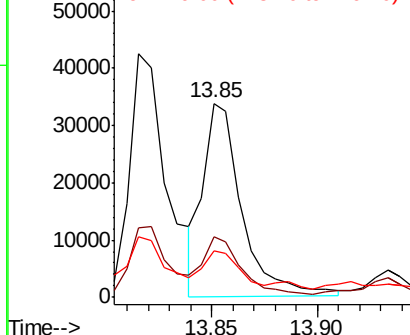
228 100

226 31.3 24.7 37.1

229 23.9 15.9 23.9#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.122 ng

RT: 16.58 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

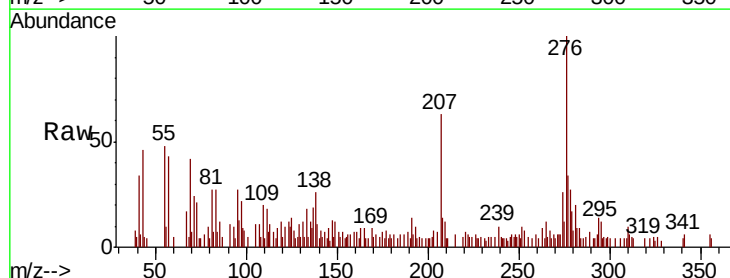
Tgt Ion: 276 Resp: 18814

Ion Ratio Lower Upper

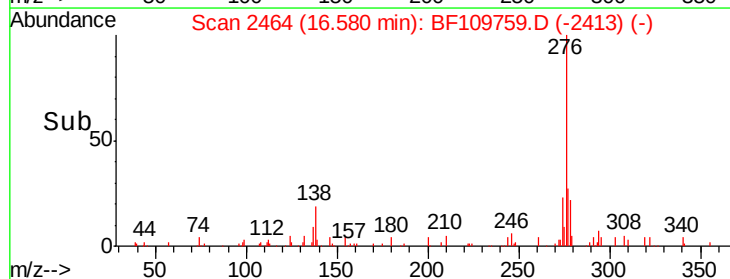
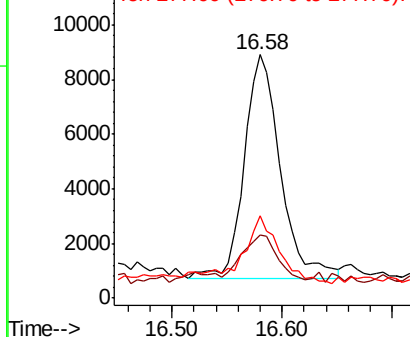
276 100

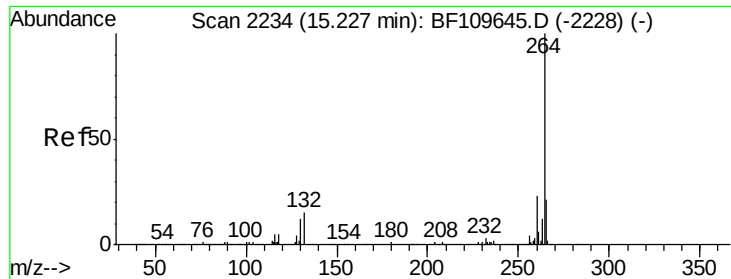
138 20.7 18.5 27.7

277 28.1 20.0 30.0



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

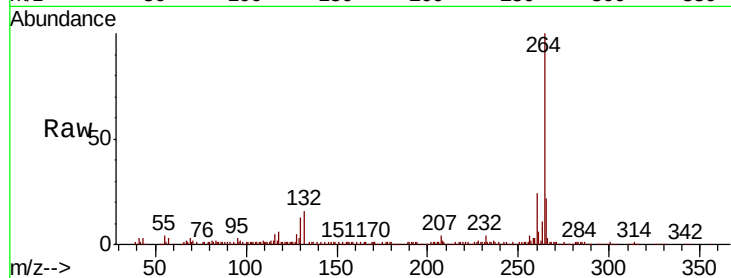




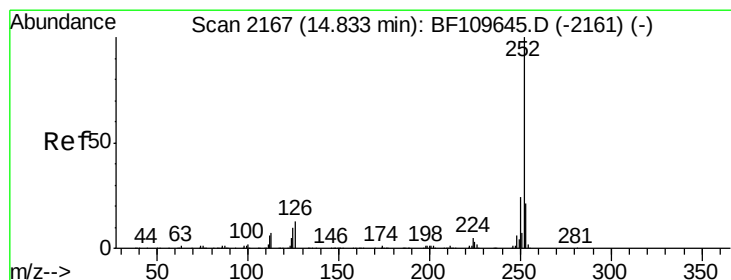
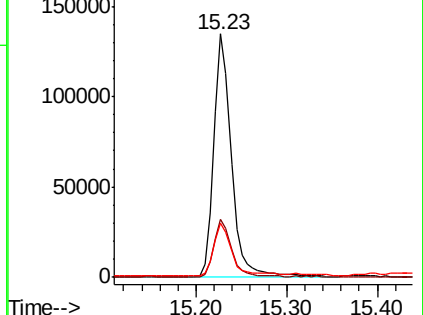
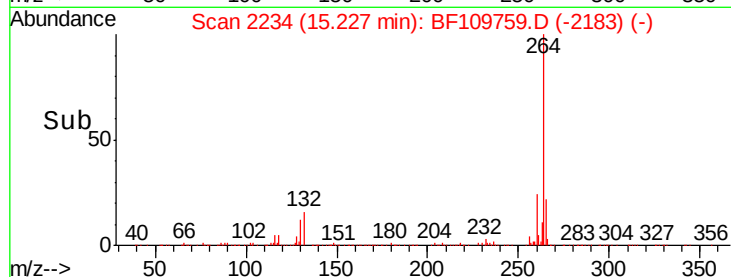
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109759.D
Acq: 10 Oct 2018 23:05

Instrument :
BNA_F
ClientSampleId :
RT1499-3783-RT3026

Tgt Ion:264 Resp: 179511
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.1 16.7 25.1

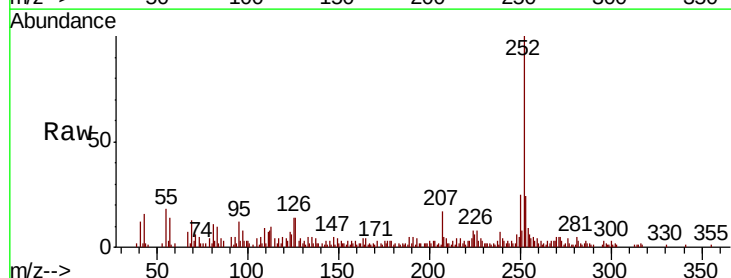


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

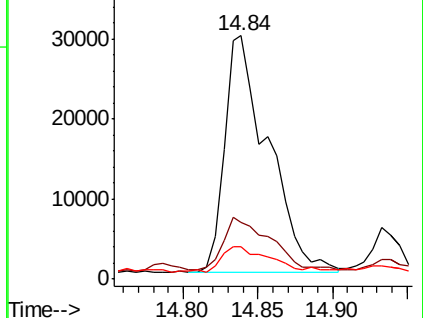
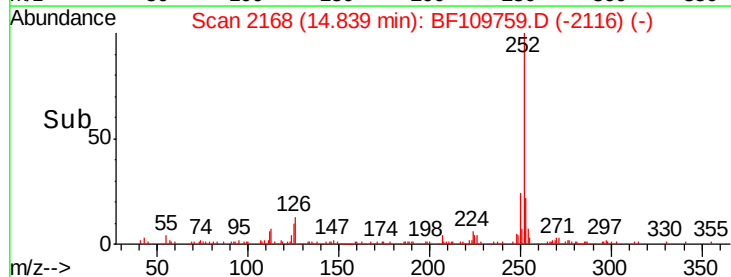


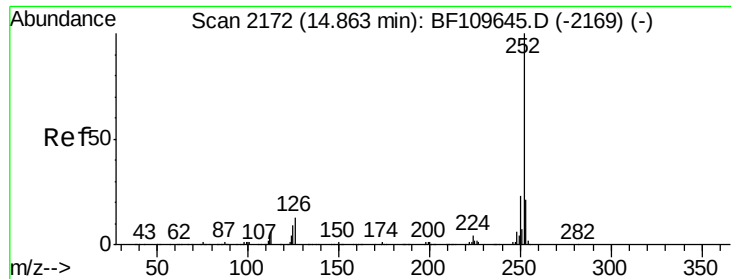
#87
Benzo(b)fluoranthene
Concen: 6.047 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109759.D
Acq: 10 Oct 2018 23:05

Tgt Ion:252 Resp: 59982
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 13.5 8.2 12.4#



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

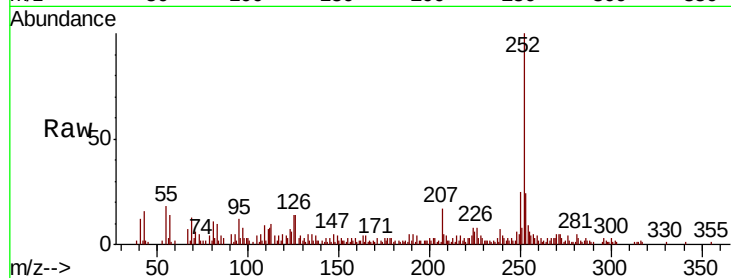




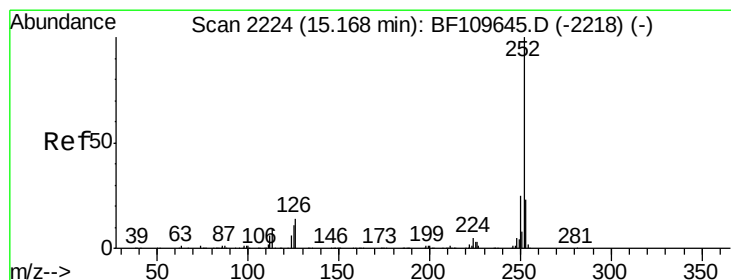
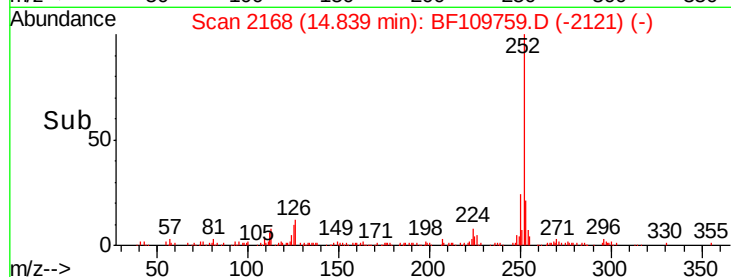
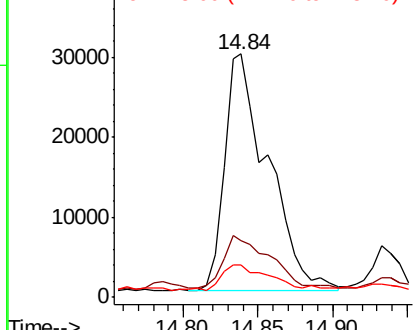
#88
Benzo(k)fluoranthene
Concen: 6.018 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109759.D
Acq: 10 Oct 2018 23:05

Instrument :
BNA_F
ClientSampleId :
RT1499-3783-RT3026

Tgt Ion:252 Resp: 59982
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 13.5 7.4 11.0#

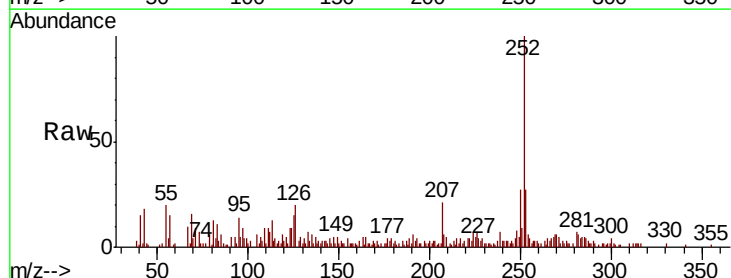


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

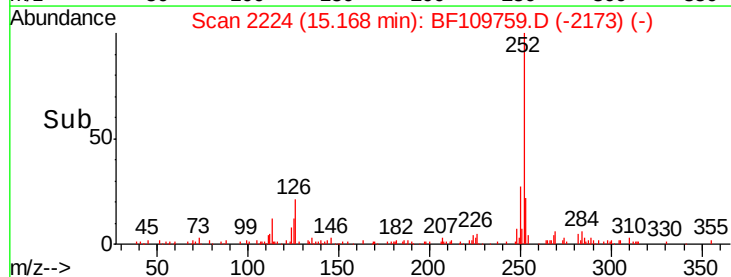
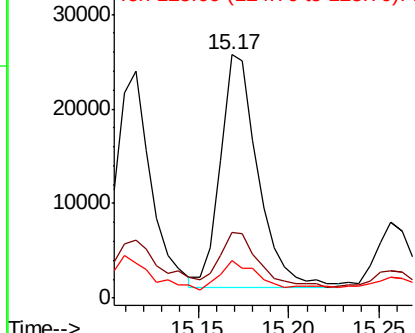


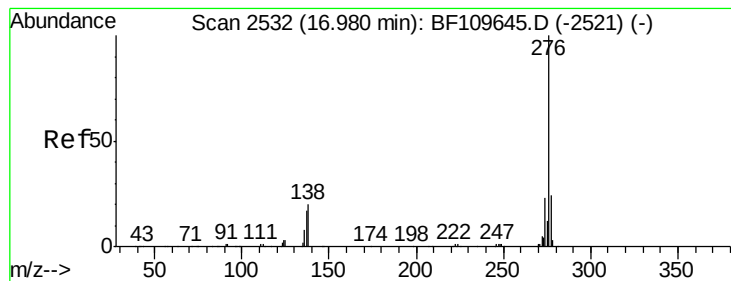
#89
Benzo(a)pyrene
Concen: 3.963 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF109759.D
Acq: 10 Oct 2018 23:05

Tgt Ion:252 Resp: 35676
Ion Ratio Lower Upper
252 100
253 27.1 18.2 27.4
125 15.4 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





#91

Benzo(g,h,i)perylene

Concen: 3.793 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF109759.D

Acq: 10 Oct 2018 23:05

Instrument :

BNA_F

ClientSampleId :

RT1499-3783-RT3026

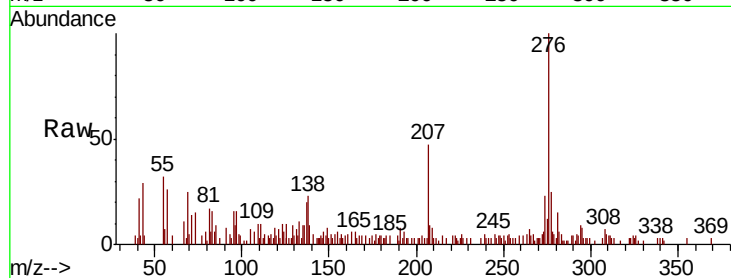
Tgt Ion: 276 Resp: 28005

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 23.0 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

