

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101218\
 Data File : BF109853.D
 Acq On : 13 Oct 2018 00:35
 Operator : JU/SJ
 Sample : J5314-01DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

Quant Time: Oct 13 03:08:43 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	117398	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	476543	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	195432	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	334016	20.00	ng	0.00
75) Chrysene-d12	13.83	240	304244	20.00	ng	0.00
86) Perylene-d12	15.23	264	250473	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	183295	27.71	ng	-0.01
7) Phenol-d6	6.34	99	251277	28.44	ng	-0.02
23) Nitrobenzene-d5	7.26	82	179675	20.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	50883	23.89	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	260082	18.33	ng	-0.01
78) Terphenyl-d14	12.77	244	213212	13.57	ng	-0.01

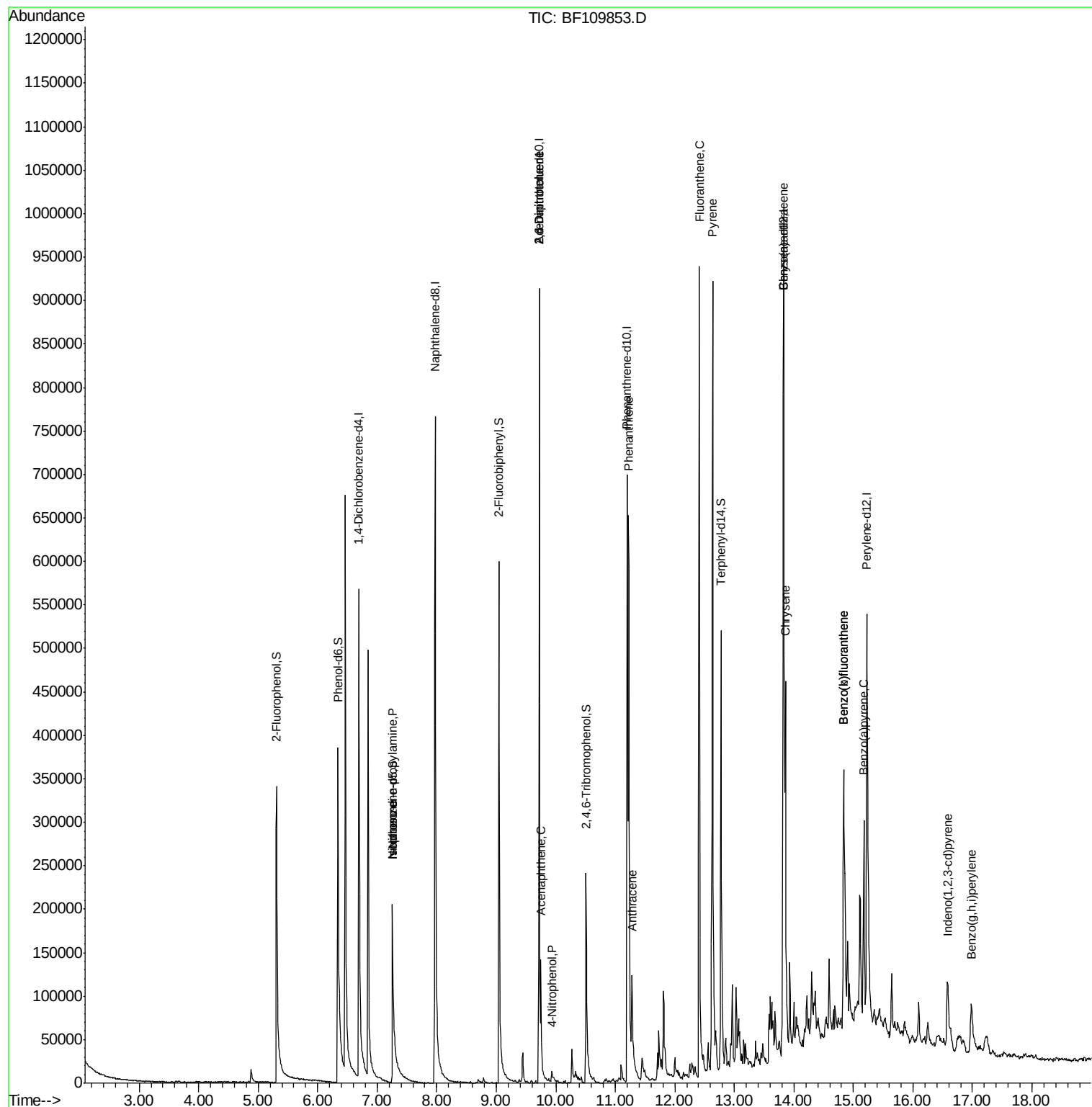
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	19046	3.074	ng	# 79
25) Isophorone	7.26	82	180165	12.550	ng	# 67
50) 2,6-Dinitrotoluene	9.72	165	24817	7.988	ng	# 23
51) Acenaphthene	9.75	154	29665	2.624	ng	96
55) 4-Nitrophenol	9.93	139	6570	3.446	ng	# 6
56) 2,4-Dinitrotoluene	9.72	165	24946	6.434	ng	# 19
70) Phenanthrene	11.22	178	299957	17.945	ng	99
71) Anthracene	11.28	178	99231	5.743	ng	98
74) Fluoranthene	12.41	202	472528	27.060	ng	97
77) Pyrene	12.63	202	429720	19.278	ng	98
80) Benzo(a)anthracene	13.82	228	221224	13.176	ng	99
82) Chrysene	13.86	228	185777	10.534	ng	97
85) Indeno(1,2,3-cd)pyrene	16.58	276	60456	4.789	ng	# 95
87) Benzo(b)fluoranthene	14.84	252	246196	17.787	ng	97
88) Benzo(k)fluoranthene	14.84	252	246196	17.703	ng	96
89) Benzo(a)pyrene	15.17	252	134292	10.691	ng	98
91) Benzo(g,h,i)perylene	16.98	276	63663	6.180	ng	95

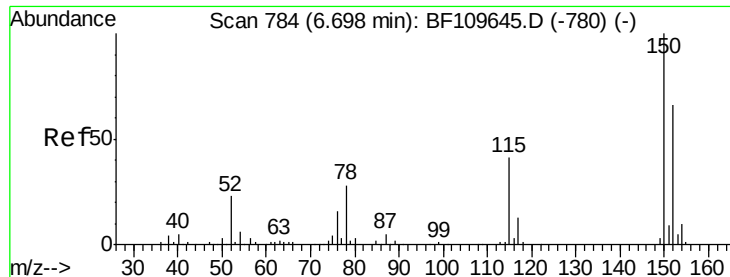
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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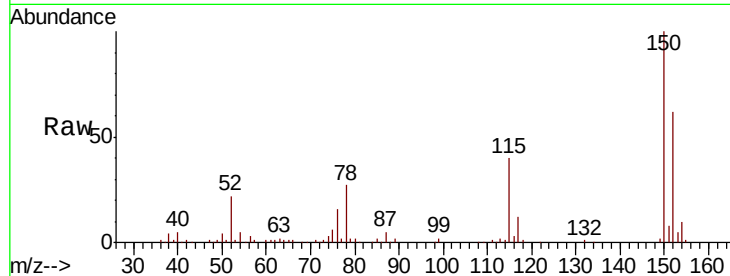




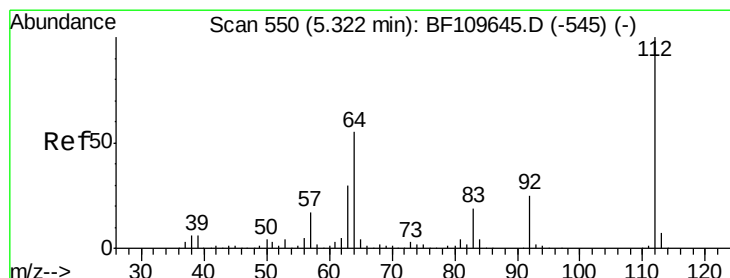
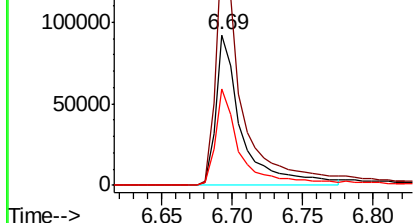
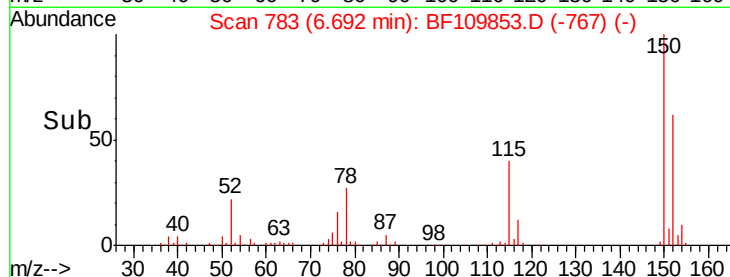
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

Tgt Ion:152 Resp: 117398
 Ion Ratio Lower Upper
 152 100
 150 162.1 122.7 184.1
 115 64.4 49.1 73.7

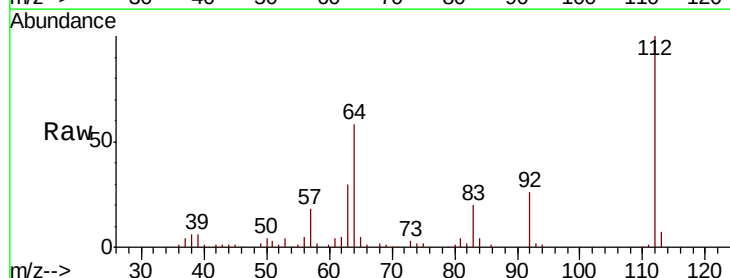


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

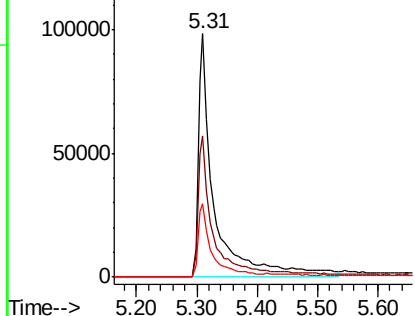
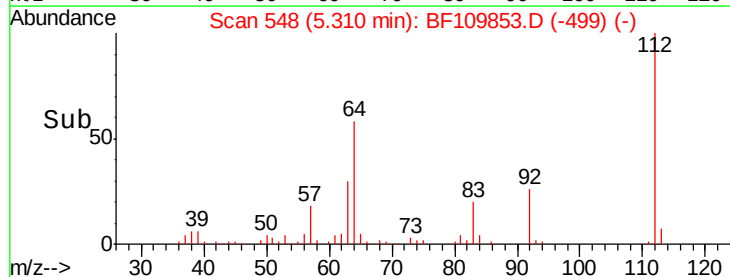


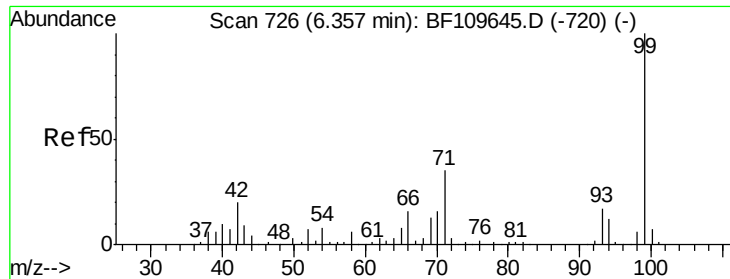
#5
 2-Fluorophenol
 Concen: 27.714 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

Tgt Ion:112 Resp: 183295
 Ion Ratio Lower Upper
 112 100
 64 58.1 44.1 66.1
 63 30.3 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: 28.440 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

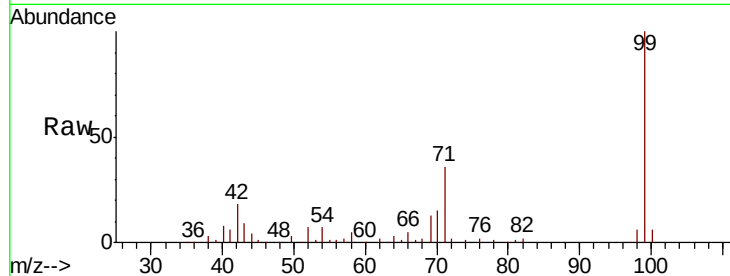
Tgt Ion: 99 Resp: 251277

Ion Ratio Lower Upper

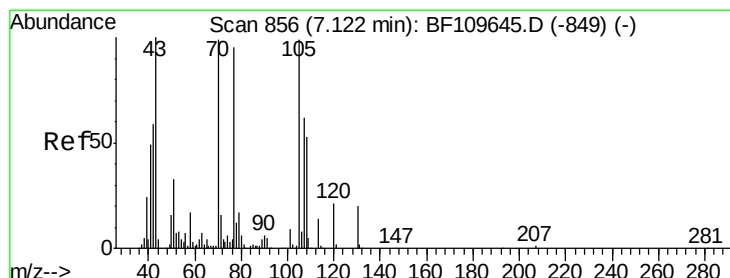
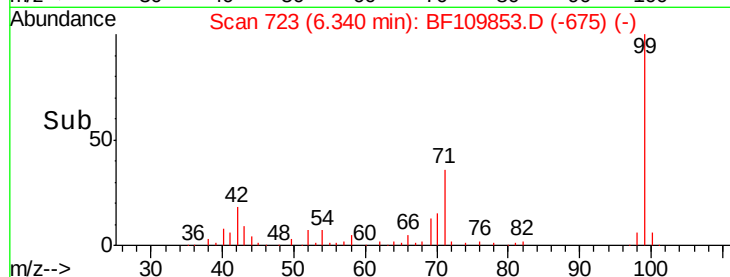
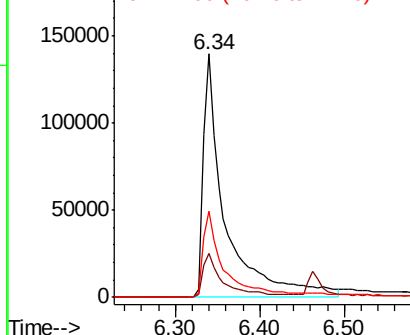
99 100

42 18.1 15.8 23.6

71 35.5 28.0 42.0



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: 3.074 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Tgt Ion: 70 Resp: 19046

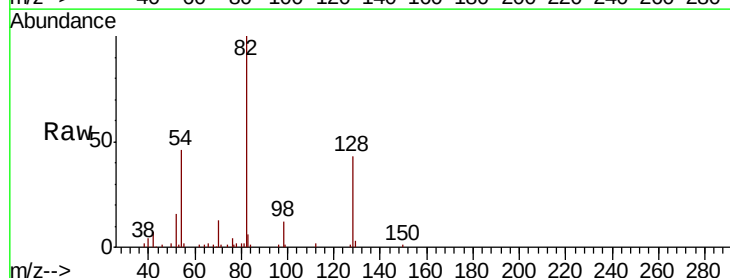
Ion Ratio Lower Upper

70 100

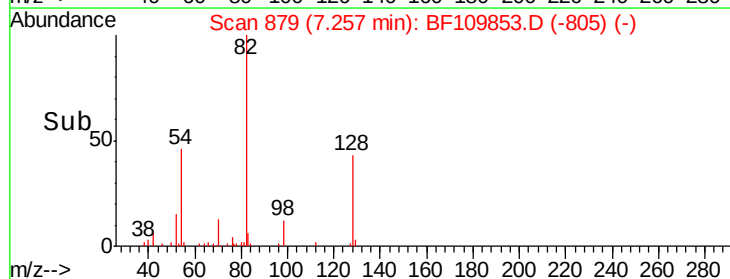
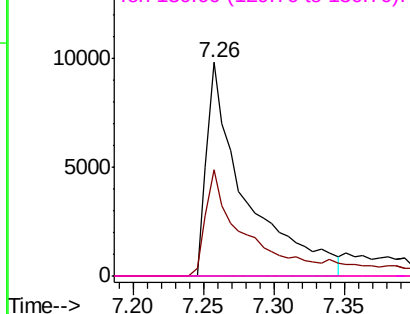
42 49.9 47.4 71.2

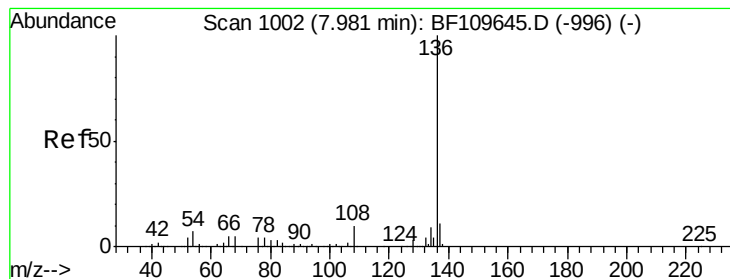
101 0.0 7.3 10.9#

130 0.0 16.2 24.2#



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

Tgt Ion: 136 Resp: 476543

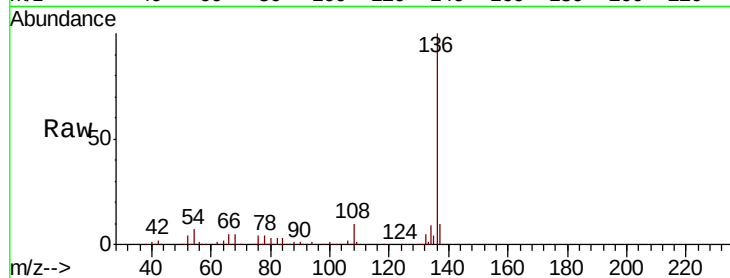
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 6.8 5.4 8.2

68 5.1 4.2 6.2

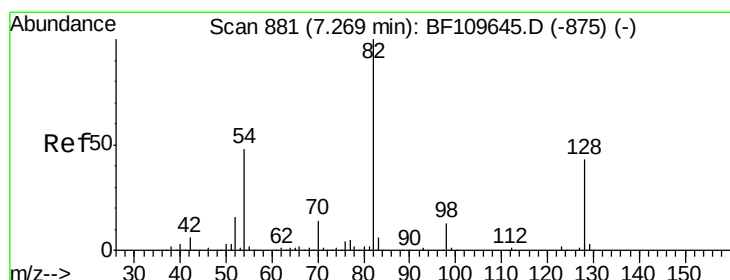
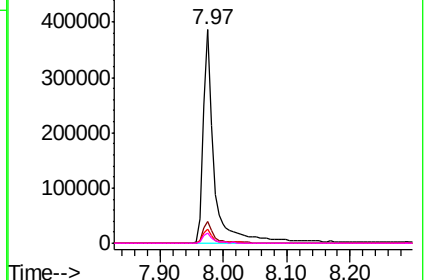
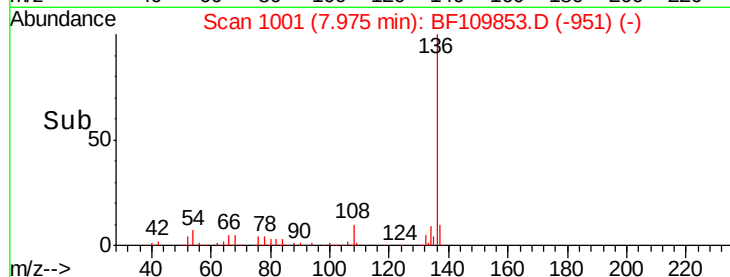


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.784 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

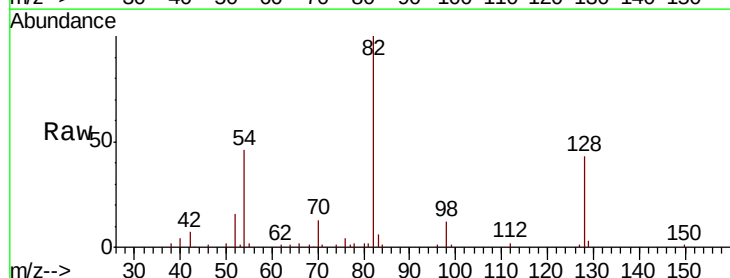
Tgt Ion: 82 Resp: 179675

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.2

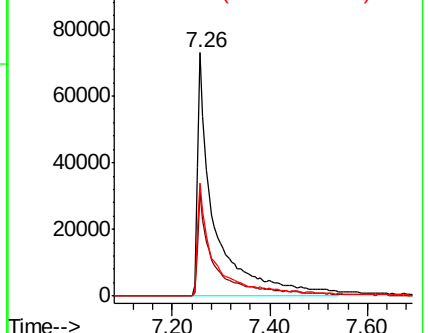
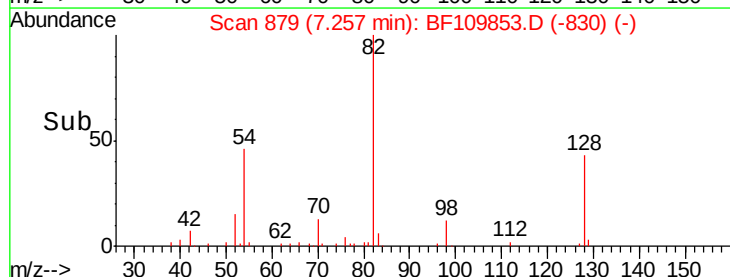
54 46.5 38.6 58.0

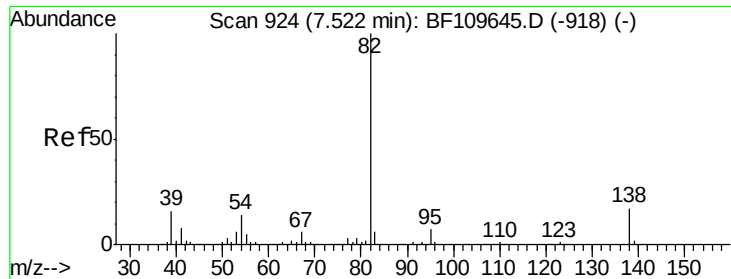


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.550 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

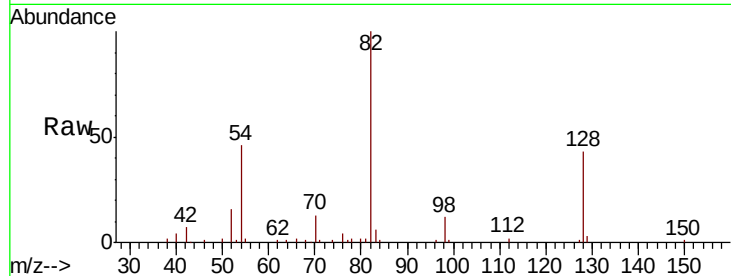
Tgt Ion: 82 Resp: 180165

Ion Ratio Lower Upper

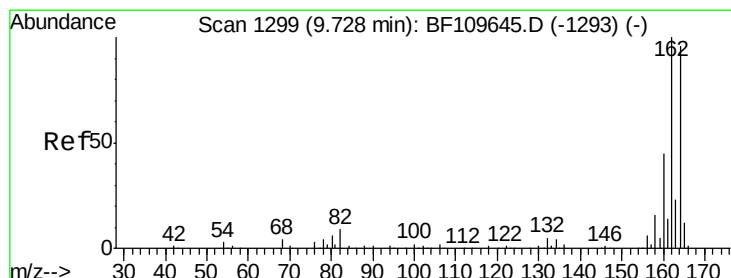
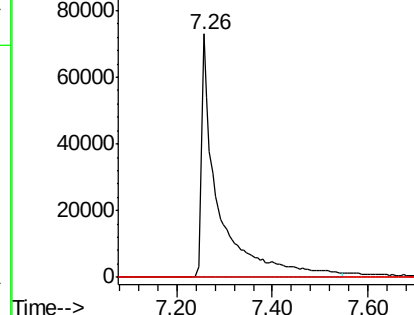
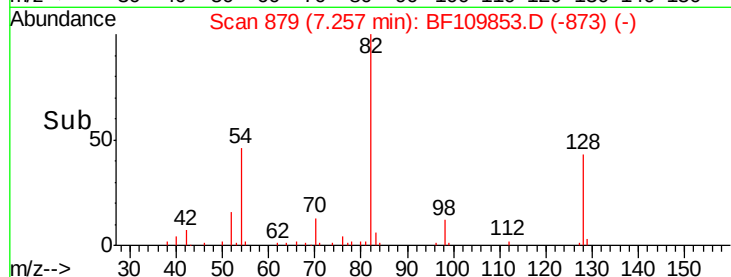
82 100

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: BF109853.D

Acq: 13 Oct 2018 00:35

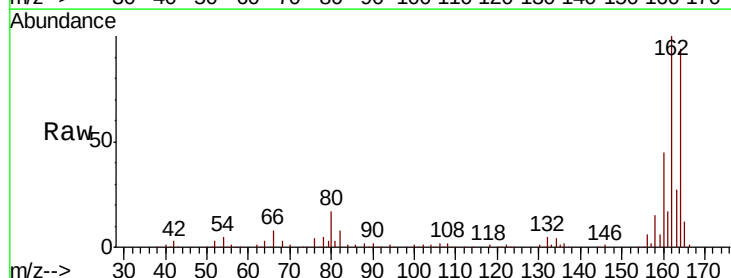
Tgt Ion: 164 Resp: 195432

Ion Ratio Lower Upper

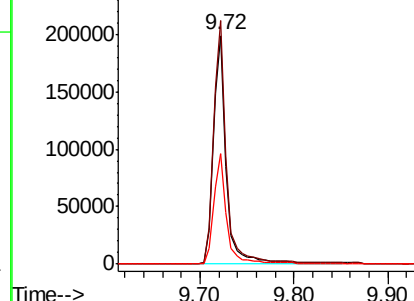
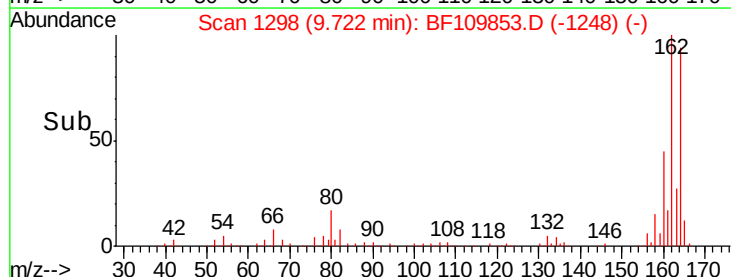
164 100

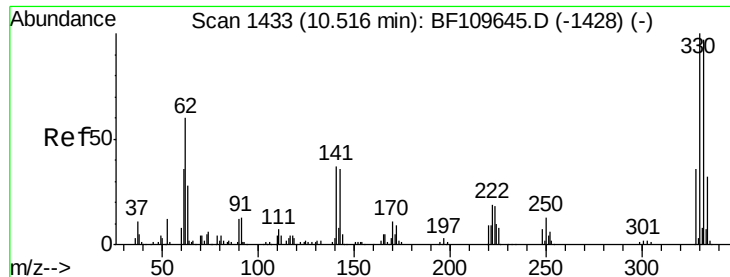
162 106.5 83.0 124.6

160 48.2 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

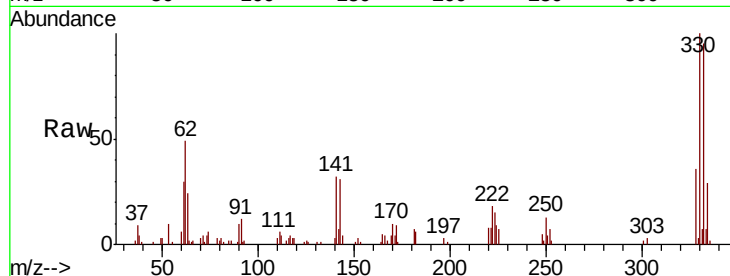




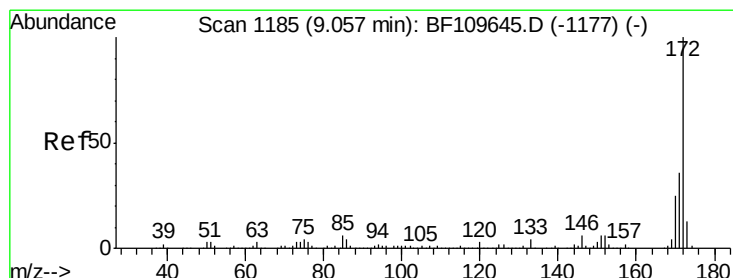
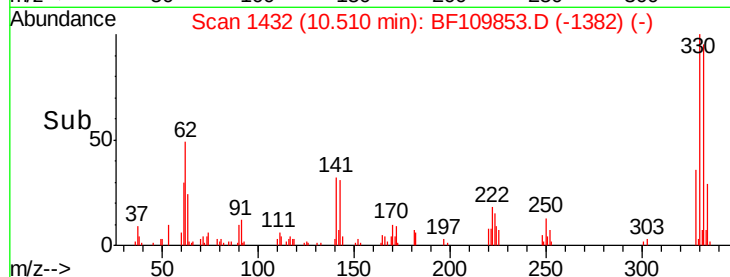
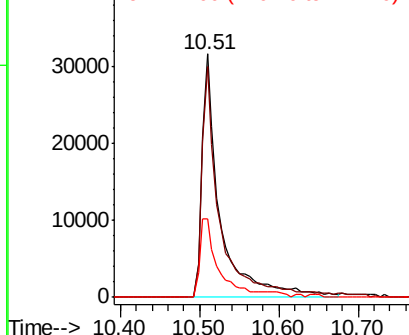
#41
 2,4,6-Tribromophenol
 Concen: 23.895 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

Instrument :
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Tgt Ion:330 Resp: 50883
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.1 115.7
 141 33.1 27.0 40.4

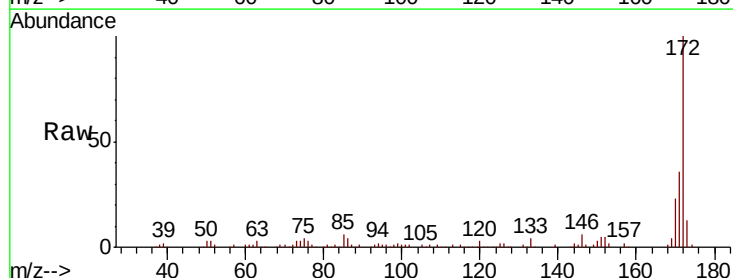


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

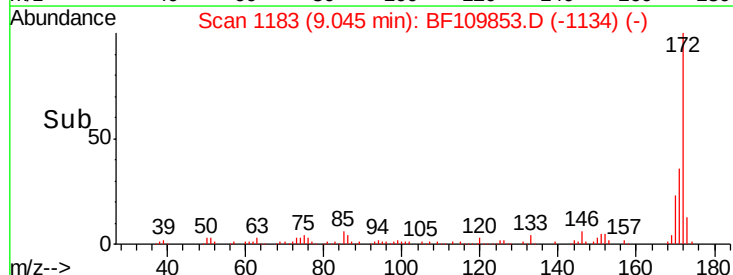
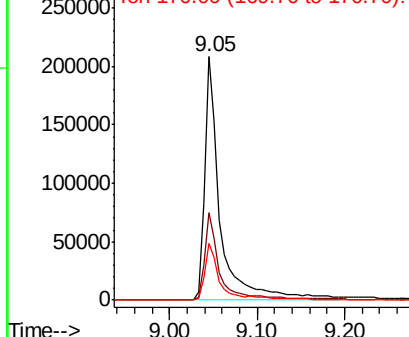


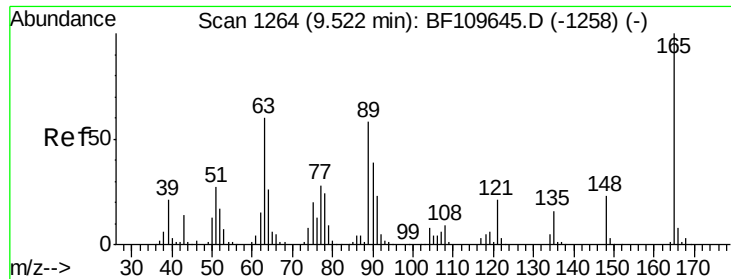
#44
 2-Fluorobiphenyl
 Concen: 18.329 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

Tgt Ion:172 Resp: 260082
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 23.1 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

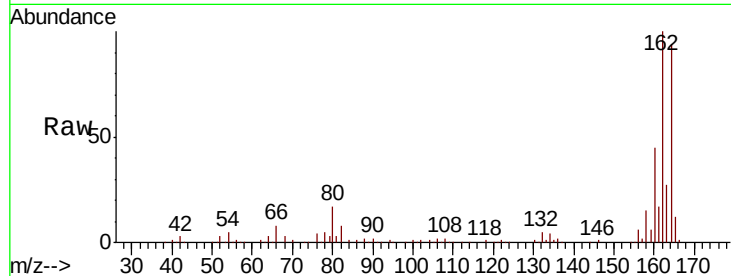




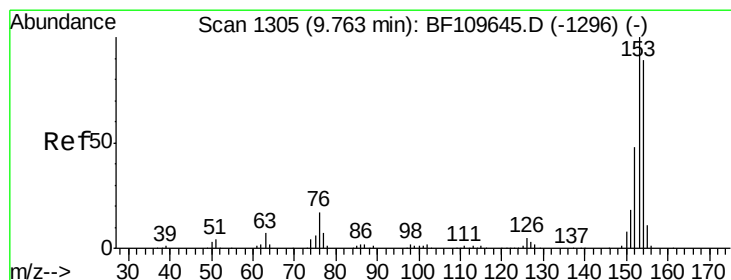
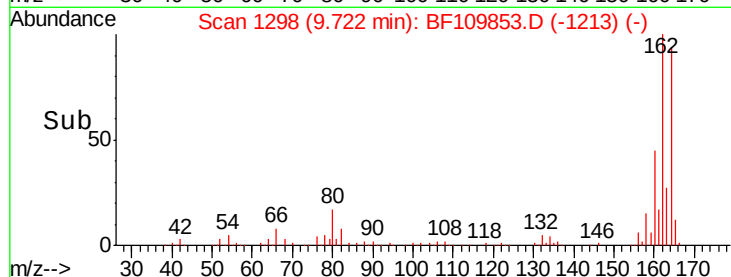
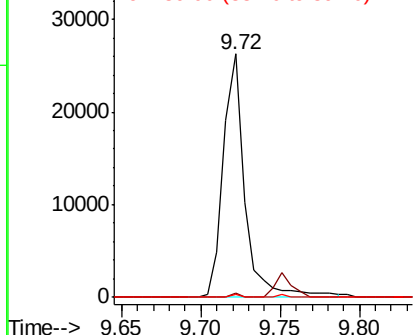
#50
2,6-Dinitrotoluene
Concen: 7.988 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
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DOCUMENTATION-18DL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	48.9	73.3#
89	1.4	46.6	69.8#

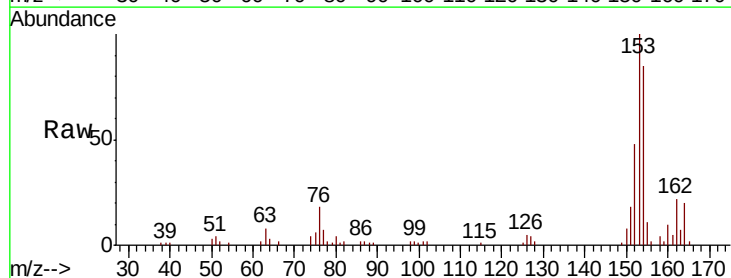


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

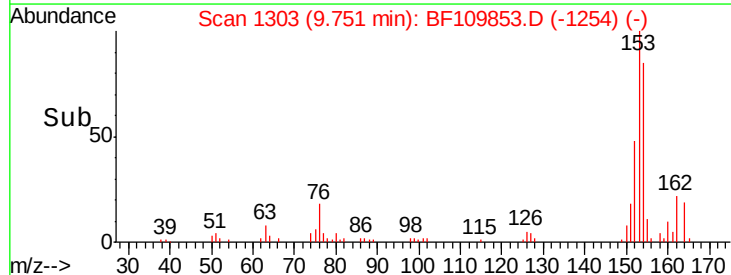
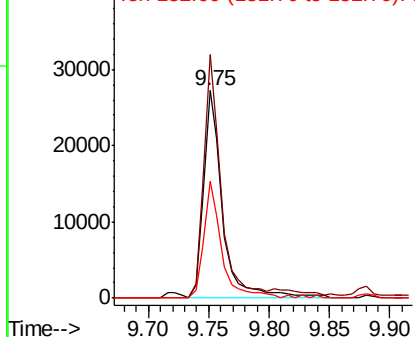


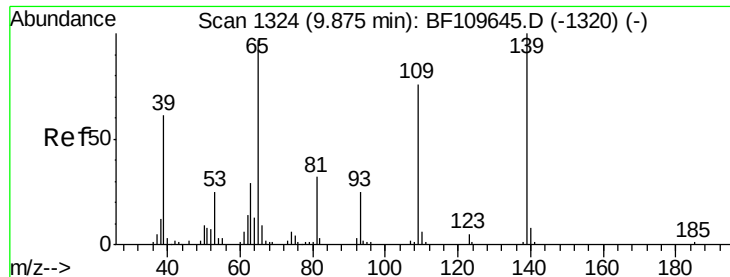
#51
Acenaphthene
Concen: 2.624 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.5	90.1	135.1
152	56.4	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

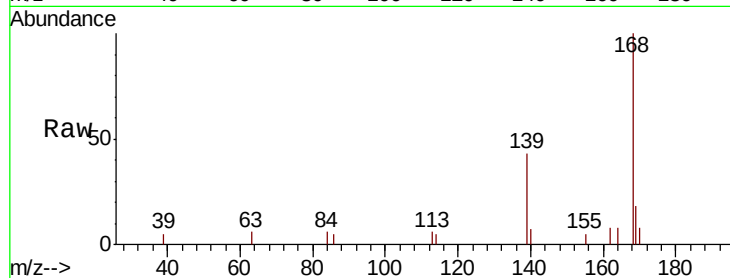




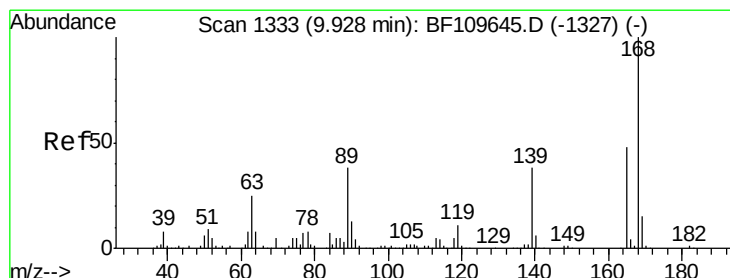
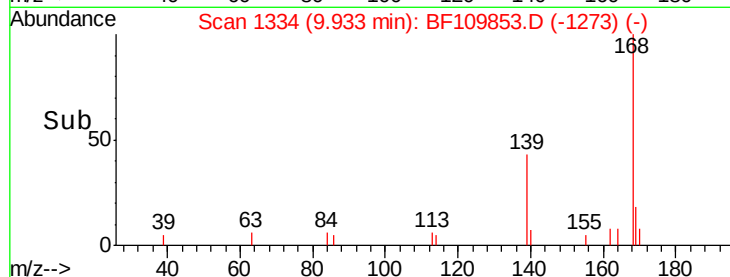
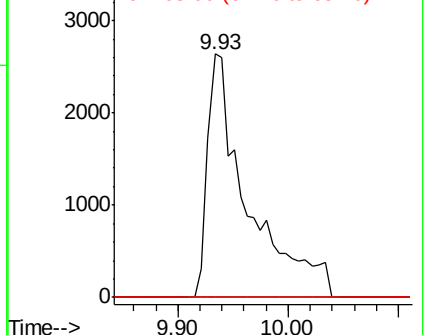
#55
4-Nitrophenol
Concen: 3.446 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.06 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tgt Ion:139 Resp: 6570
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#

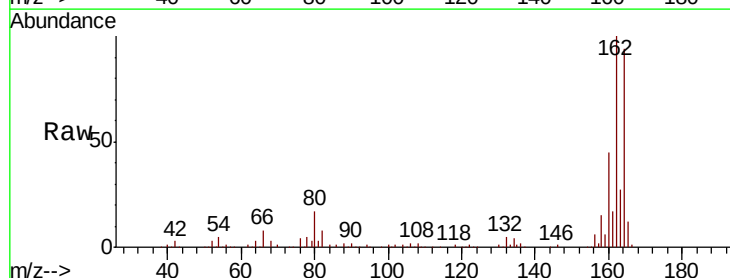


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

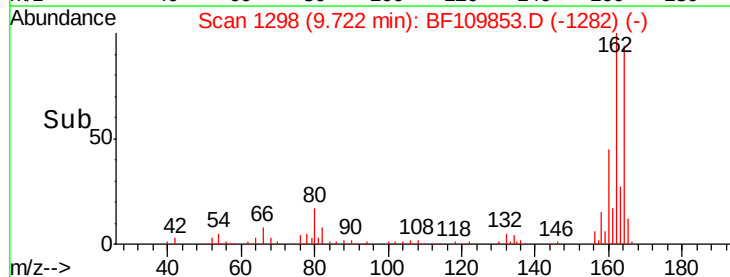
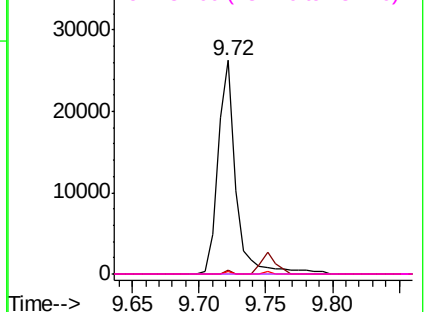


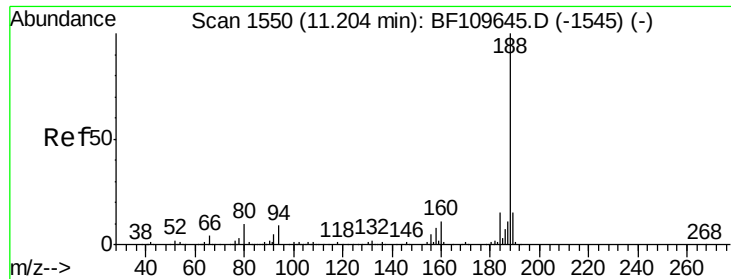
#56
2,4-Dinitrotoluene
Concen: 6.434 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion:165 Resp: 24946
Ion Ratio Lower Upper
165 100
63 1.5 44.8 67.2#
89 1.4 62.2 93.4#
182 0.0 2.1 3.1#



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

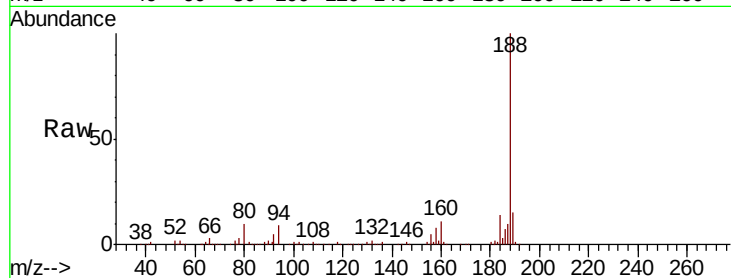




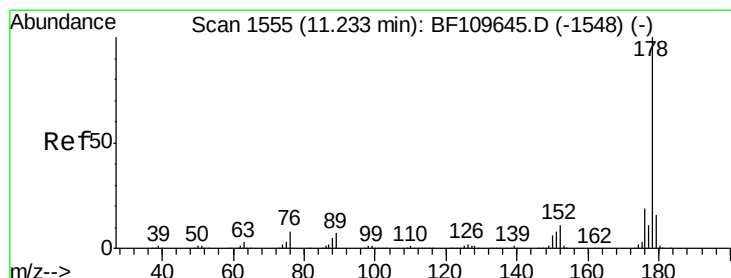
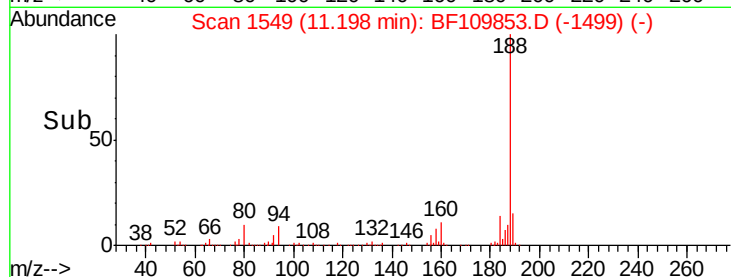
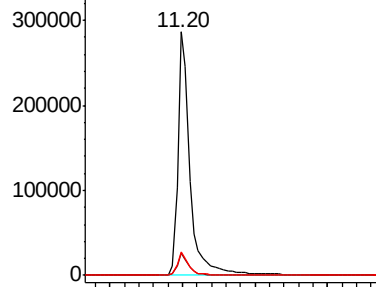
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tgt Ion:188 Resp: 334016
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.6 7.9 11.9

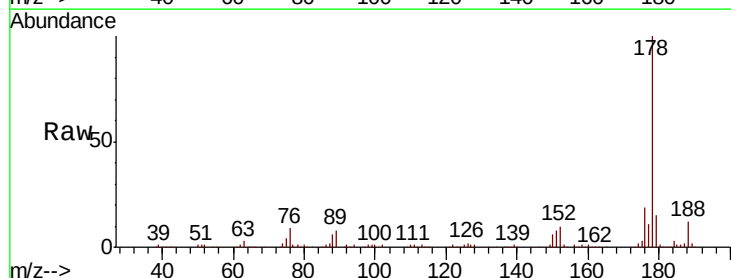


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

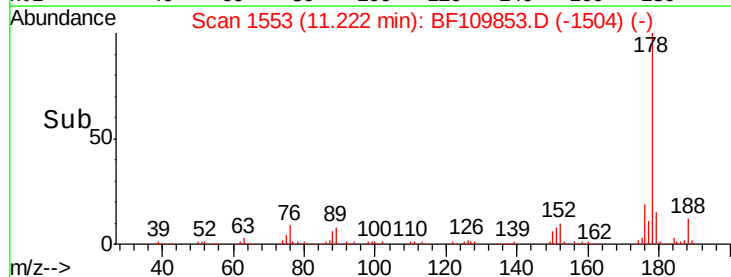
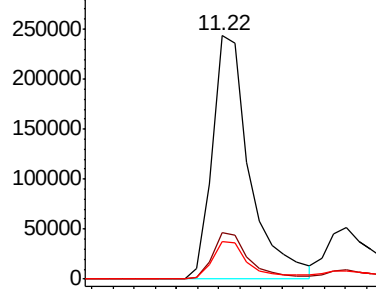


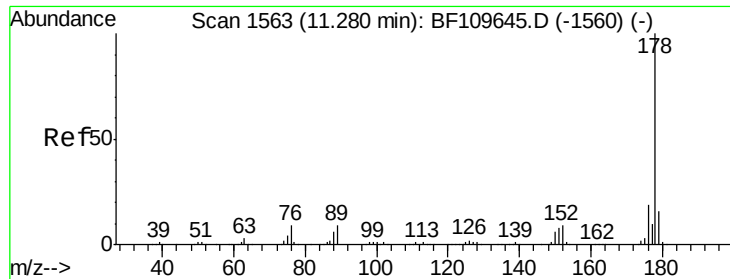
#70
Phenanthrene
Concen: 17.945 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion:178 Resp: 299957
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 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

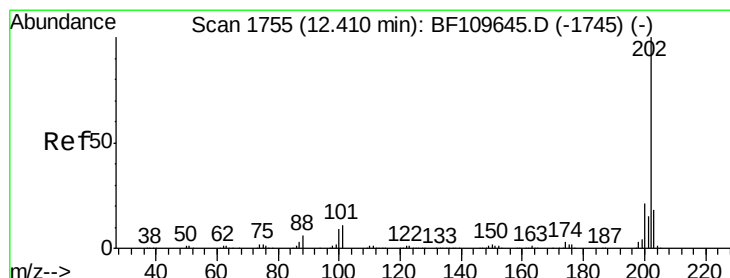
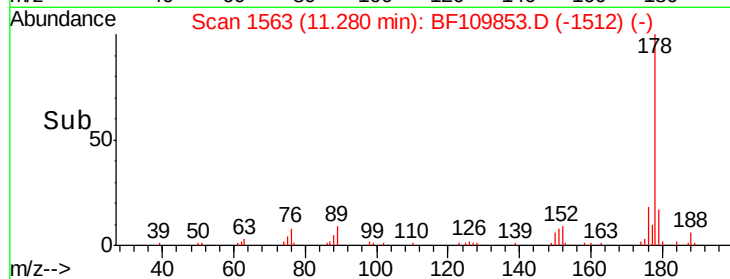
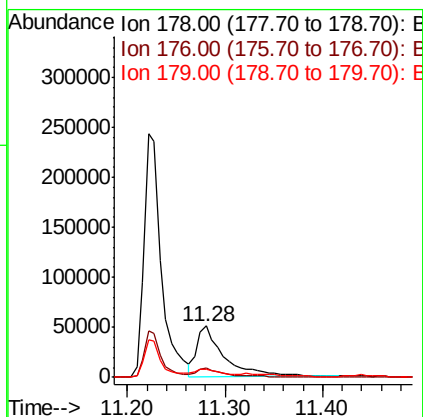
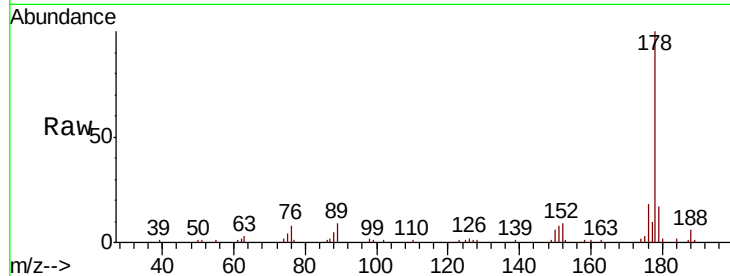




#71
 Anthracene
 Concen: 5.743 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

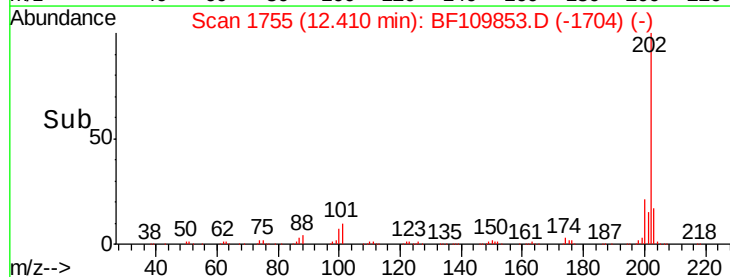
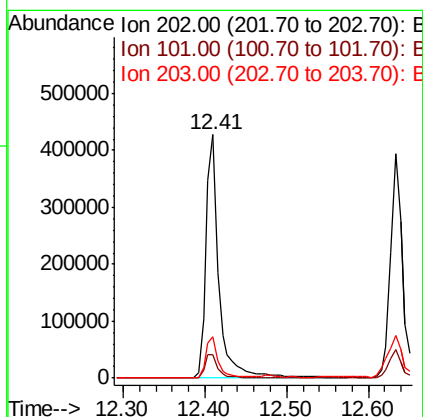
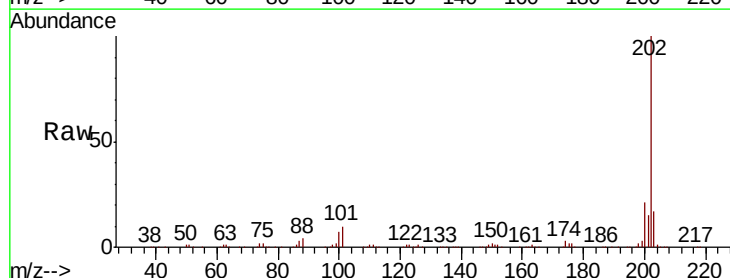
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

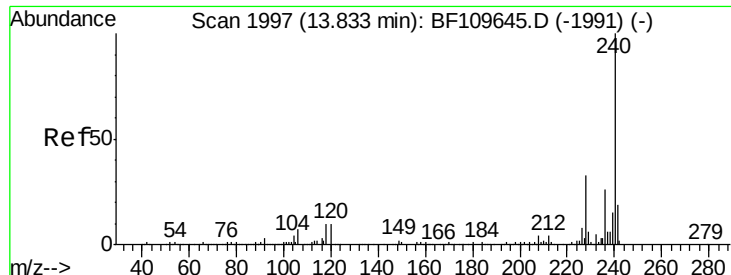
Tgt Ion:178 Resp: 99231
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 16.9 12.6 18.8



#74
 Fluoranthene
 Concen: 27.060 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

Tgt Ion:202 Resp: 472528
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.4
 203 17.1 0.0 37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

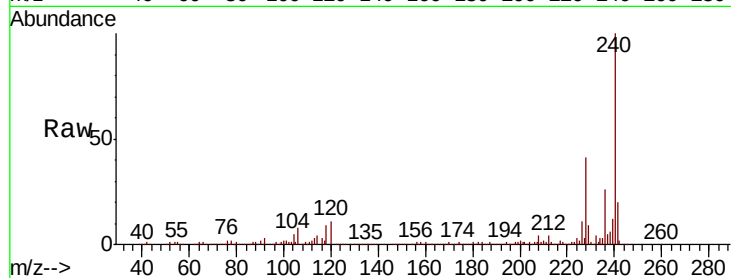
Tgt Ion:240 Resp: 304244

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

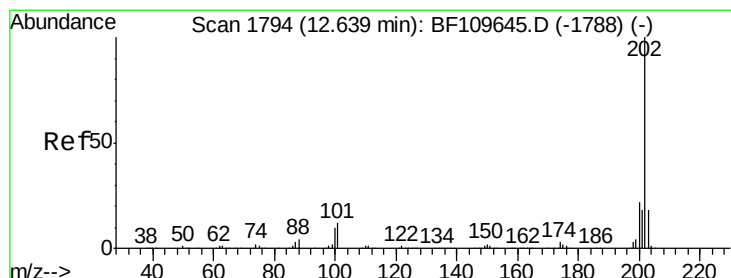
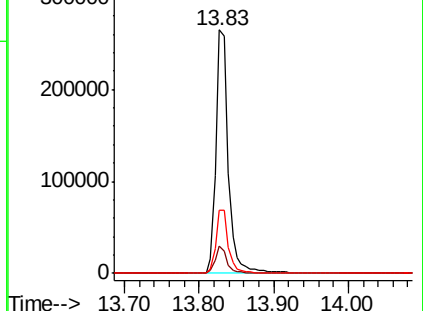
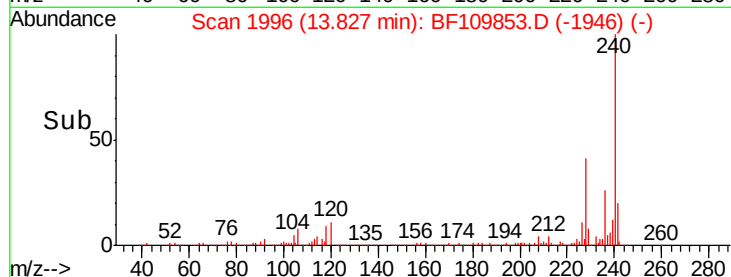
236 26.2 21.2 31.8



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: 19.278 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

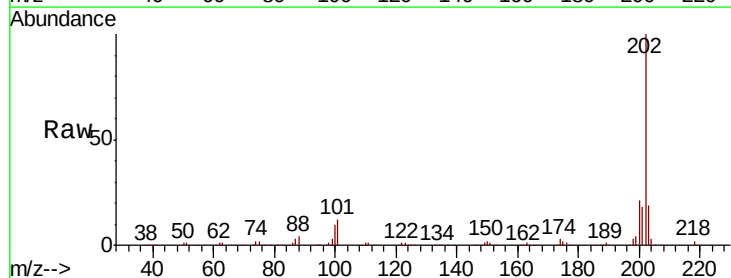
Tgt Ion:202 Resp: 429720

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

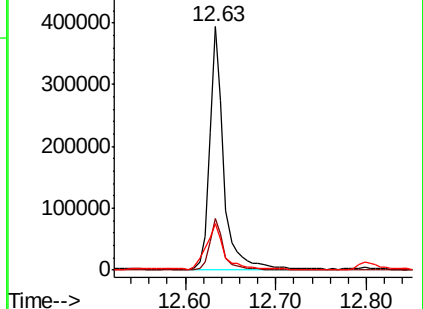
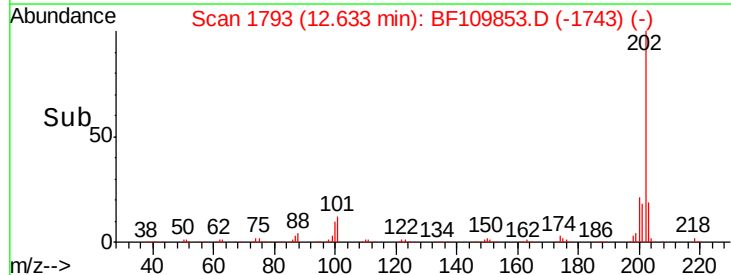
203 18.9 14.2 21.4

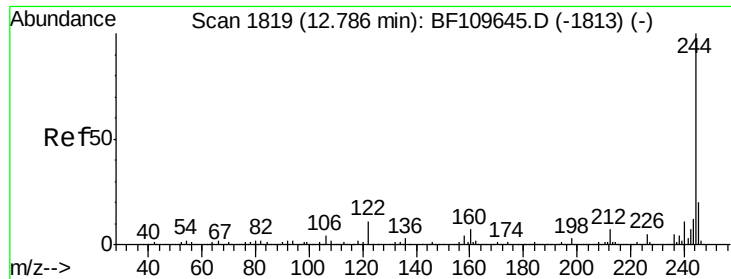


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.566 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

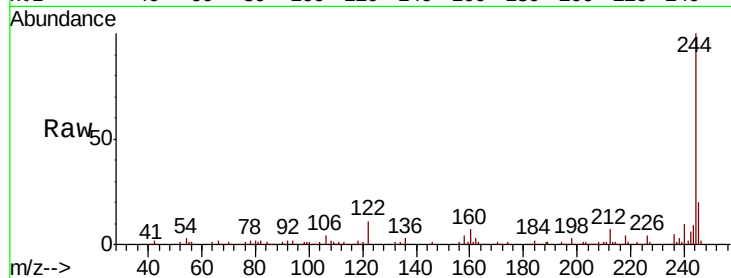
Tgt Ion:244 Resp: 213212

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

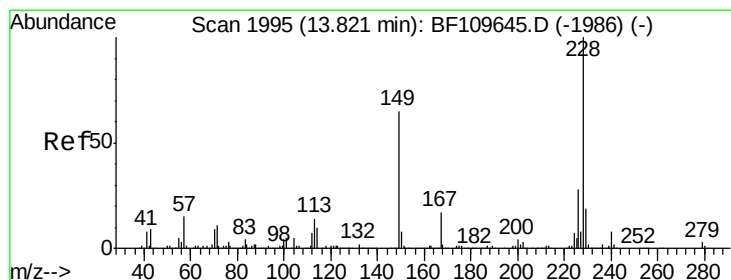
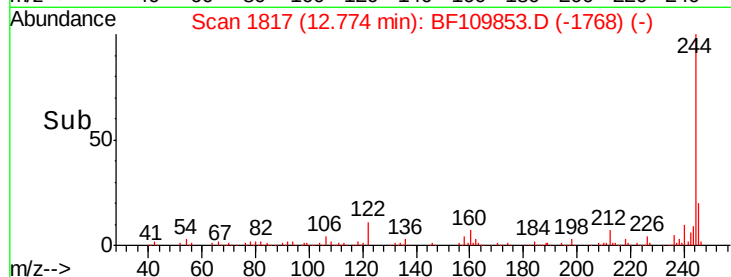
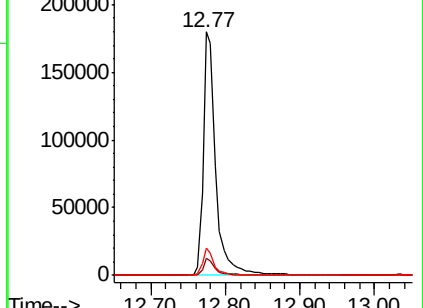
122 11.1 8.7 13.1



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: 13.176 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

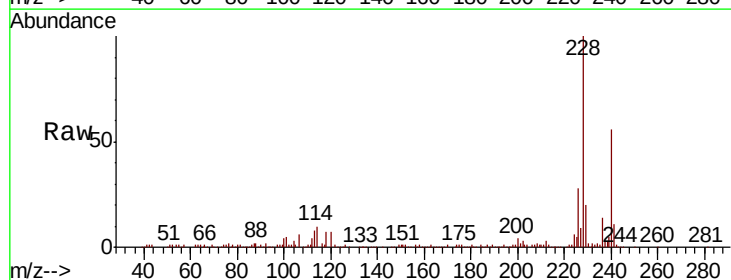
Tgt Ion:228 Resp: 221224

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

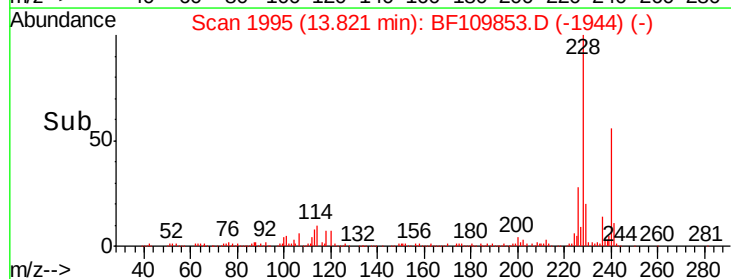
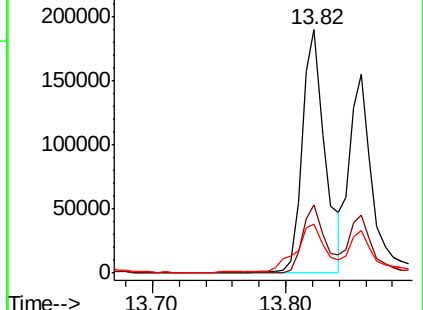
229 20.4 15.6 23.4

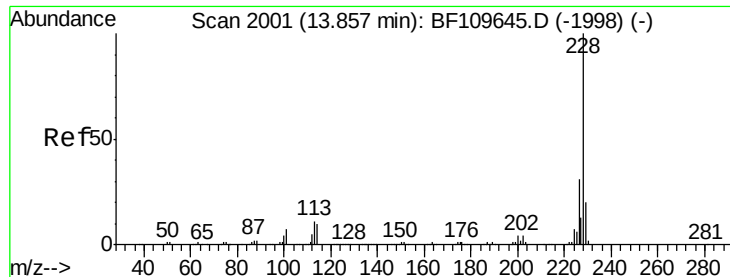


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.534 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

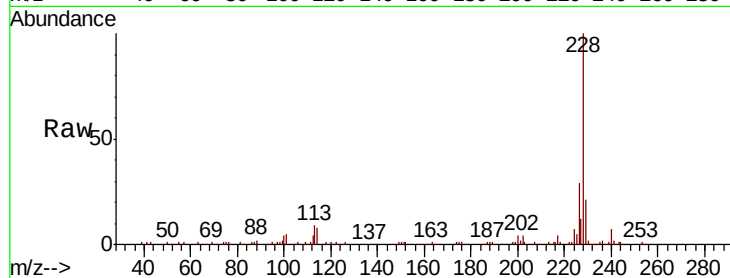
Tgt Ion:228 Resp: 185777

Ion Ratio Lower Upper

228 100

226 29.5 24.7 37.1

229 21.2 15.9 23.9

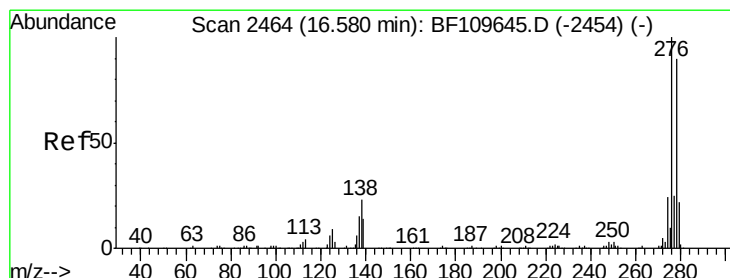
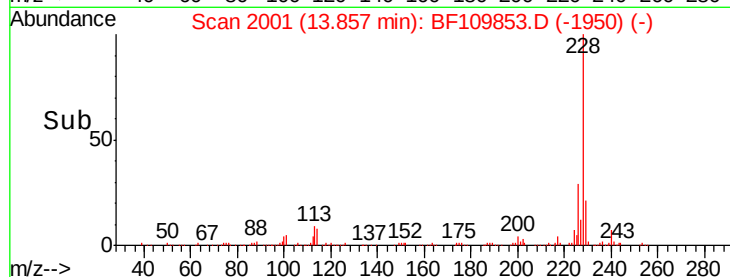
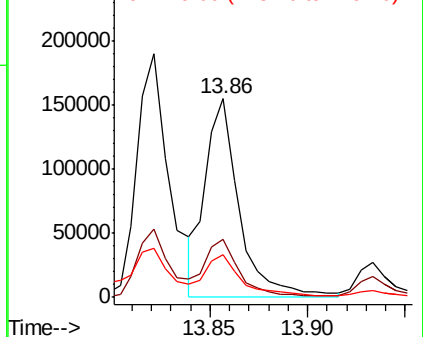


Abundance

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: 4.789 ng

RT: 16.58 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

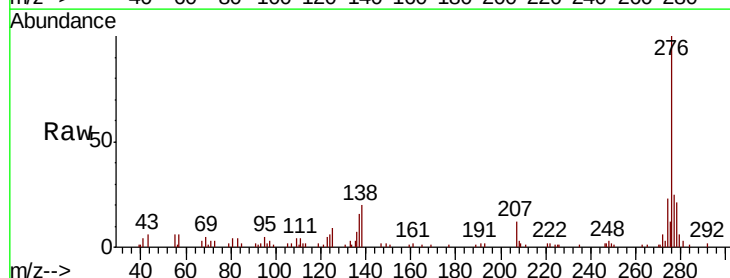
Tgt Ion:276 Resp: 60456

Ion Ratio Lower Upper

276 100

138 17.9 18.5 27.7#

277 24.7 20.0 30.0

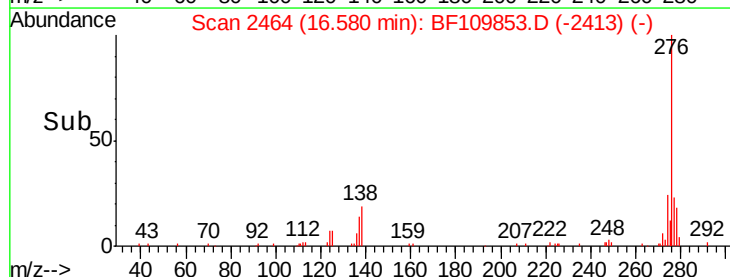
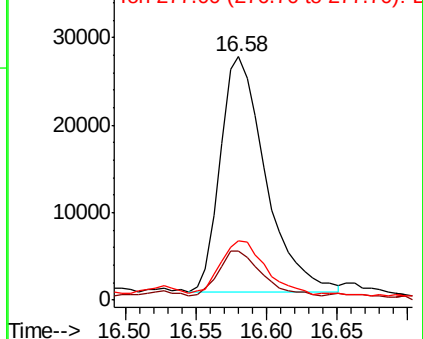


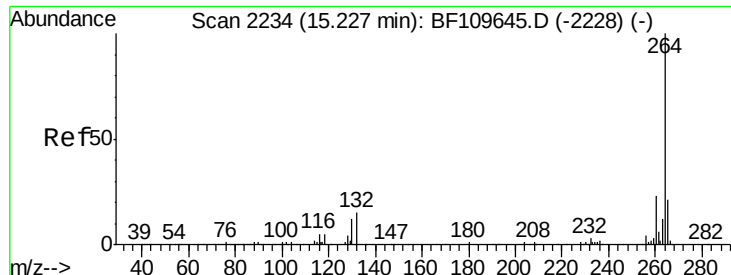
Abundance

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

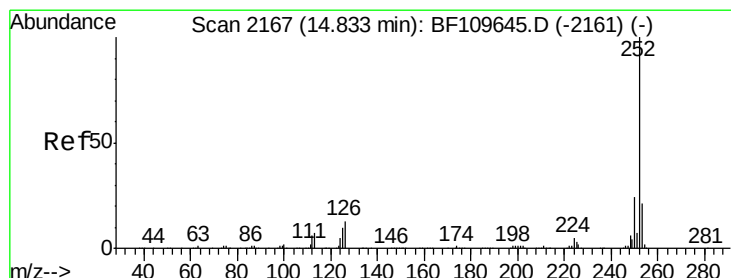
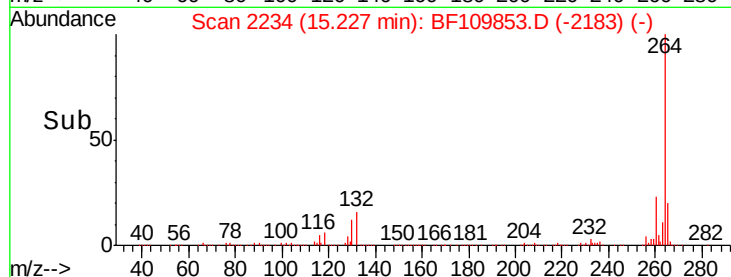
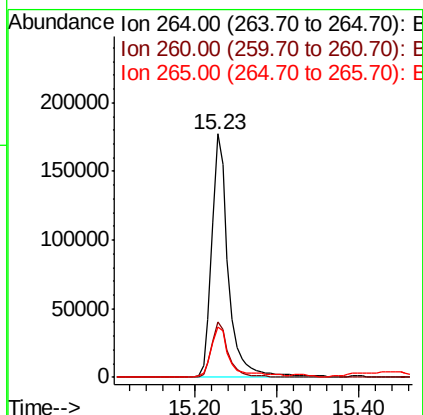
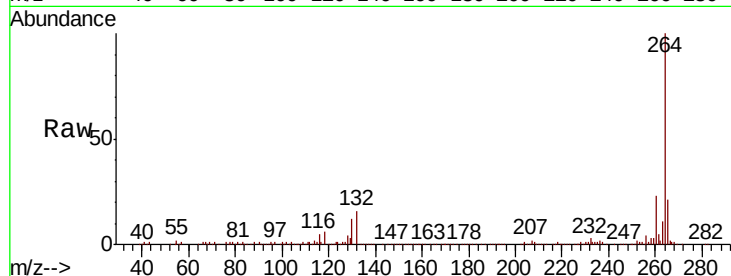




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

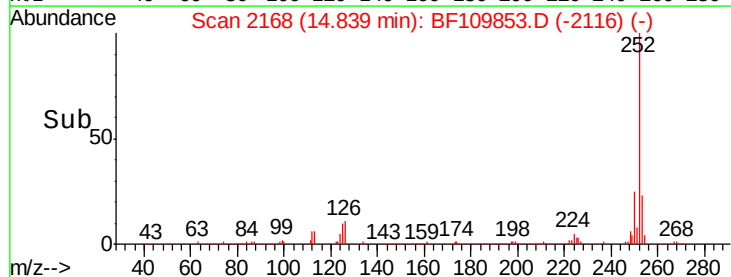
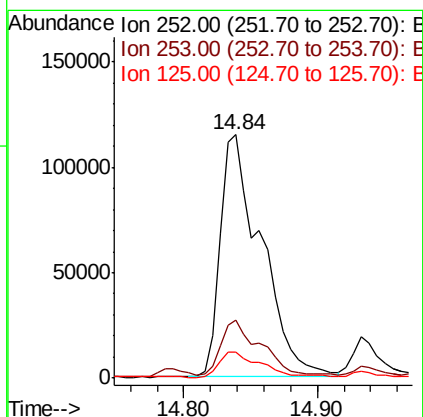
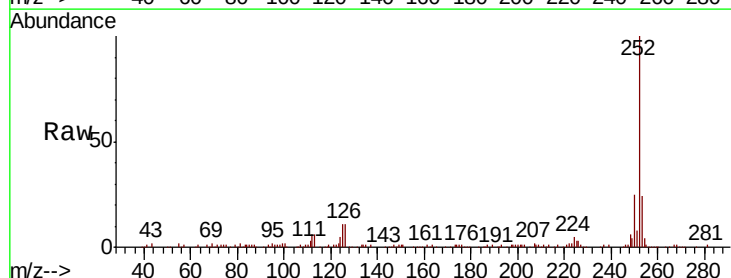
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

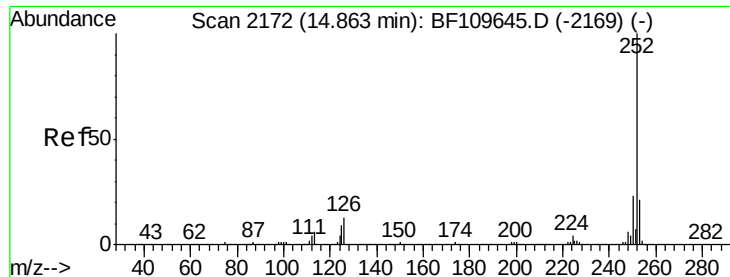
Tgt Ion:264 Resp: 250473
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 20.5 16.7 25.1



#87
Benzo(b)fluoranthene
Concen: 17.787 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion:252 Resp: 246196
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 10.6 8.2 12.4

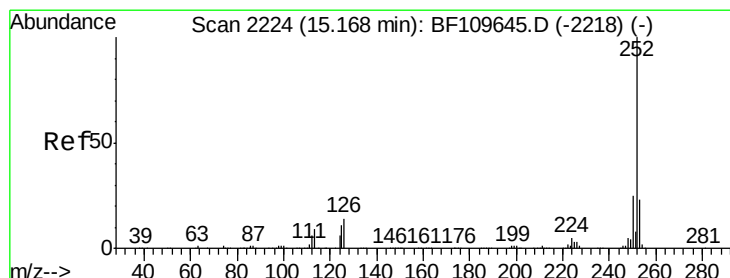
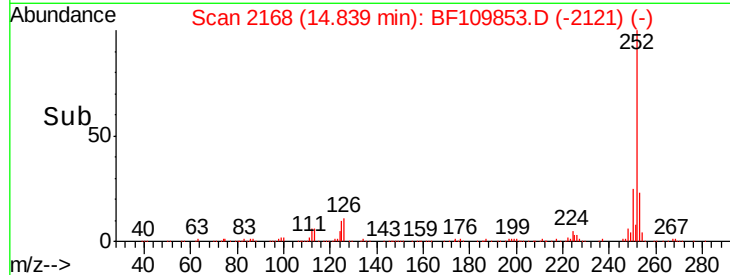
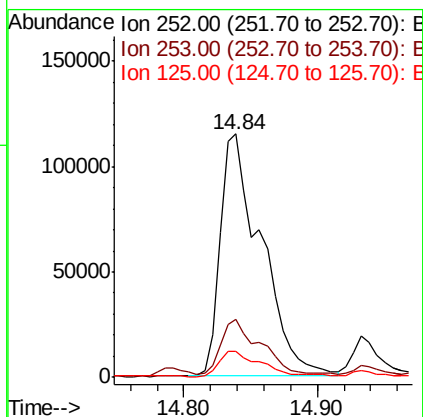
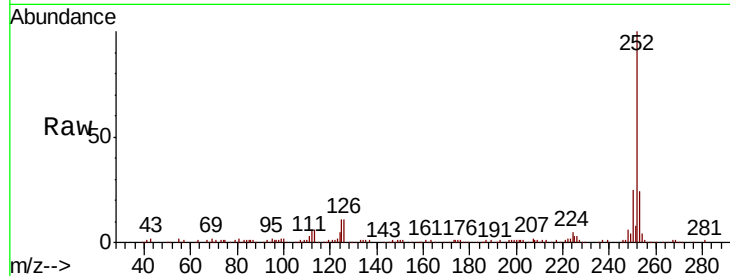




#88
Benzo(k)fluoranthene
Concen: 17.703 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

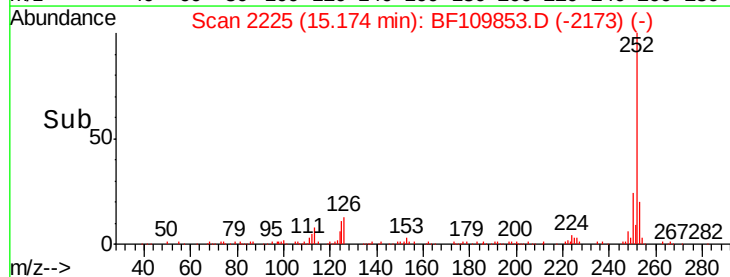
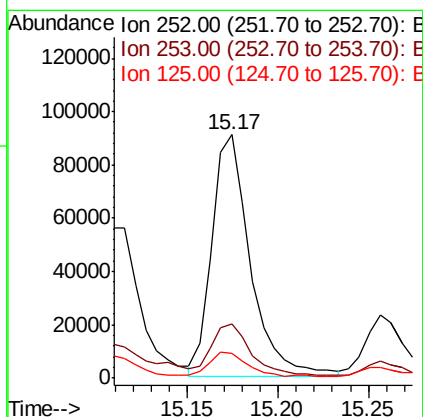
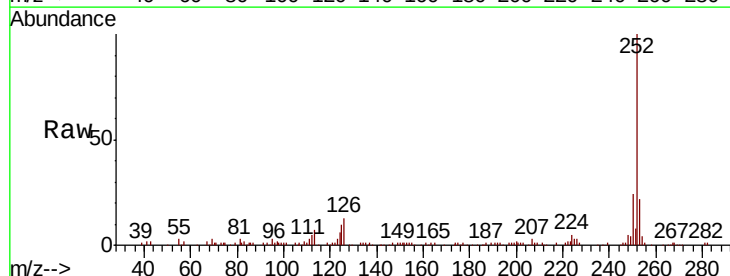
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

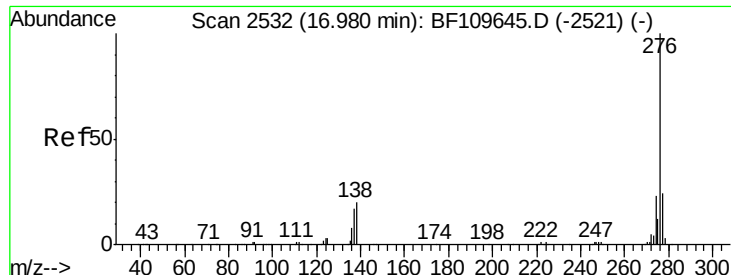
Tgt Ion:252 Resp: 246196
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 10.6 7.4 11.0



#89
Benzo(a)pyrene
Concen: 10.691 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion:252 Resp: 134292
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 10.4 9.0 13.6





#91
 Benzo(g,h,i)perylene
 Concen: 6.180 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.00 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	22.3	16.0	24.0

