

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
 Data File : BF107341.D
 Acq On : 12 Jul 2018 16:15
 Operator : JU/SJ
 Sample : J3914-01DL 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1DL

Quant Time: Jul 12 16:54:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	60684	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	249450	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	119040	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	202173	20.00	ng	0.00
75) Chrysene-d12	14.13	240	169794	20.00	ng	-0.01
86) Perylene-d12	15.67	264	191013	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	19103	5.33	ng	0.01
7) Phenol-d6	6.58	99	24496	5.47	ng	0.00
23) Nitrobenzene-d5	7.50	82	14472	3.22	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	4896	3.55	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	29466	-12.78	ng	0.00
78) Terphenyl-d14	13.05	244	22672	3.23	ng	-0.01

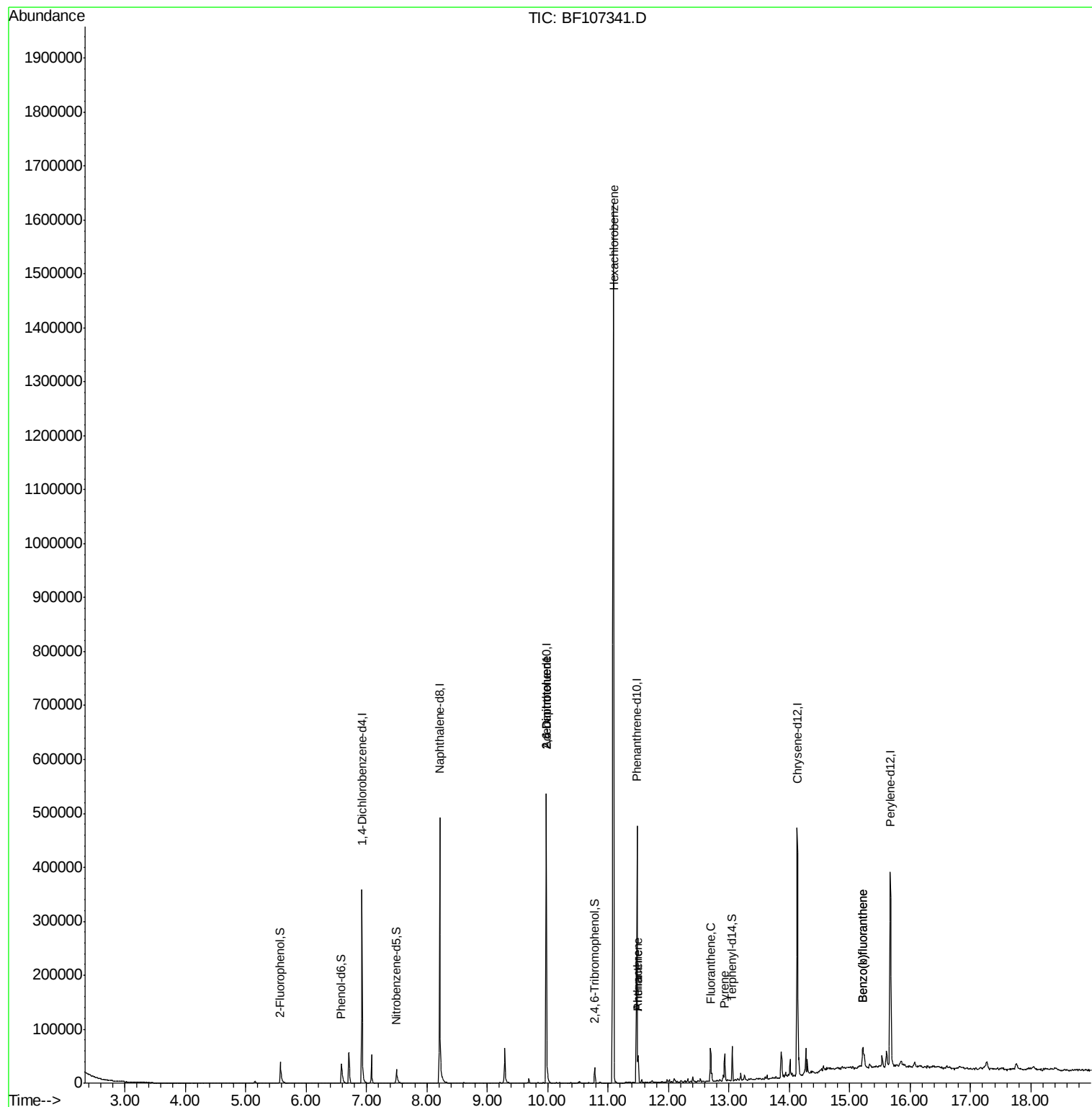
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	9.98	165	15111	7.993	ng	# 24
56) 2,4-Dinitrotoluene	9.98	165	15111	6.123	ng	# 21
67) Hexachlorobenzene	11.09	284	289058	114.462	ng	# 83
70) Phenanthrene	11.50	178	20070	2.058	ng	95
71) Anthracene	11.50	178	20070	2.016	ng	94
74) Fluoranthene	12.70	202	27331	2.543	ng	96
77) Pyrene	12.93	202	22565	2.015	ng	98
87) Benzo(b)fluoranthene	15.21	252	28753	2.423	ng	97
88) Benzo(k)fluoranthene	15.21	252	28753	2.545	ng	97

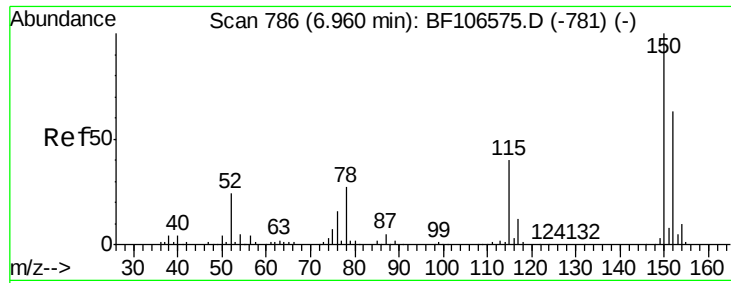
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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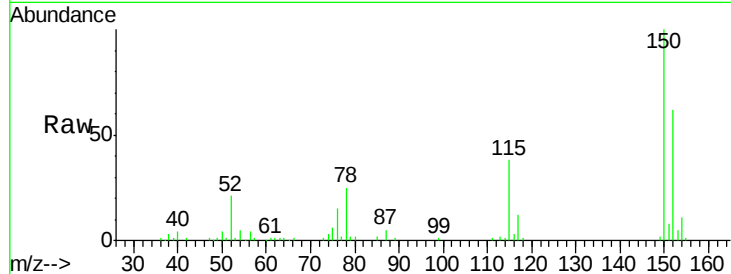


#1

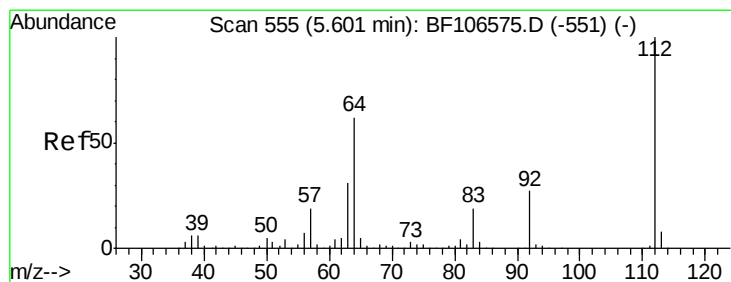
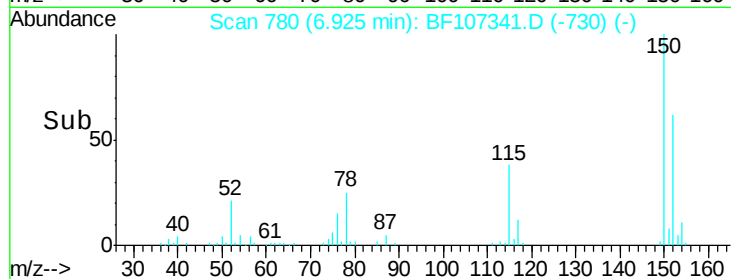
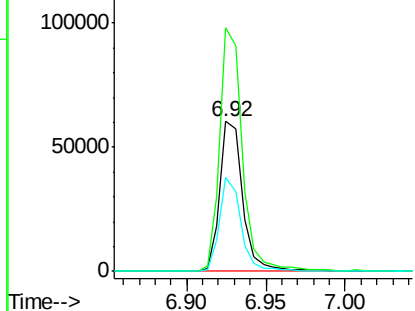
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF107341.D
Acq: 12 Jul 2018 16:15

Instrument :
BNA_F
ClientSampleId :
B1DL

Tgt Ion:152 Resp: 60684
Ion Ratio Lower Upper
152 100
150 162.4 124.6 186.8
115 62.5 50.1 75.1



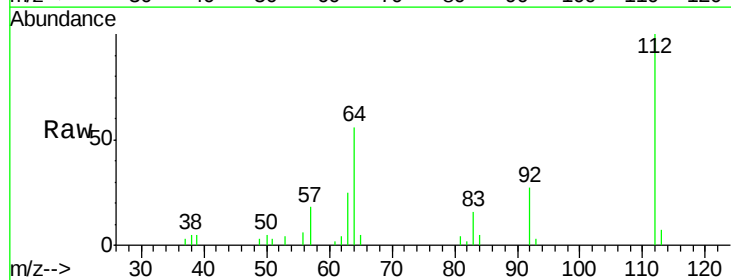
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



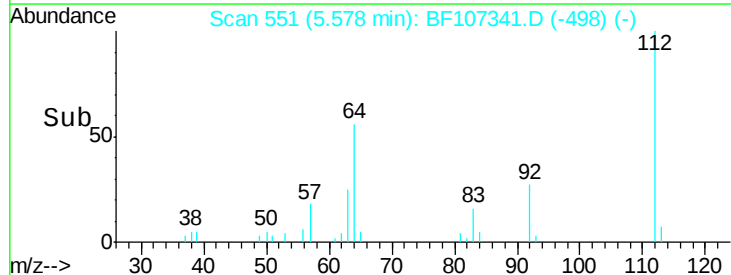
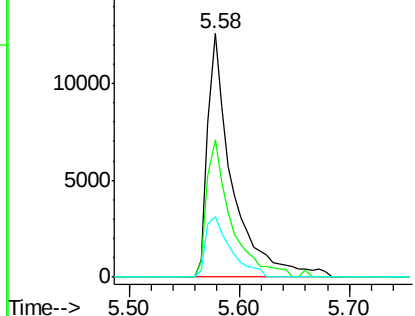
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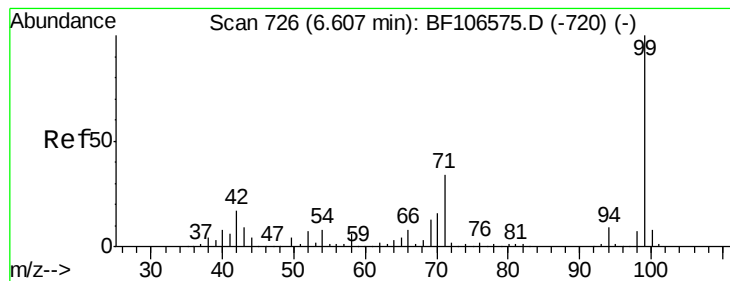
2-Fluorophenol
Concen: 5.330 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107341.D
Acq: 12 Jul 2018 16:15

Tgt Ion:112 Resp: 19103
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 25.0 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: 5.473 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107341.D

Acq: 12 Jul 2018 16:15

Instrument :

BNA_F

ClientSampleId :

B1DL

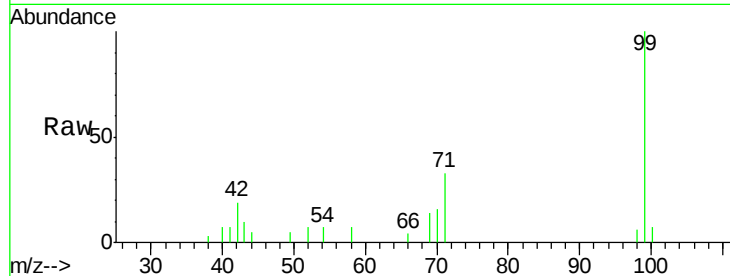
Tgt Ion: 99 Resp: 24496

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

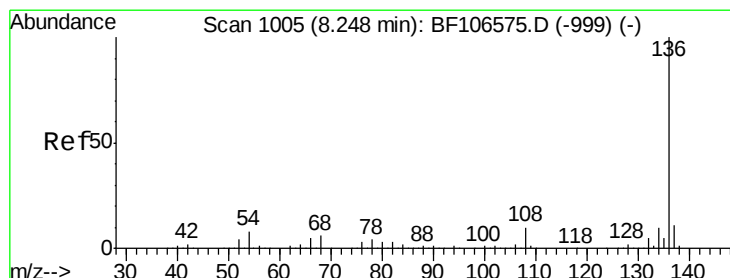
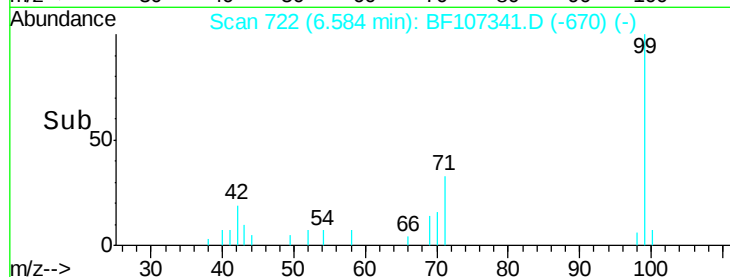
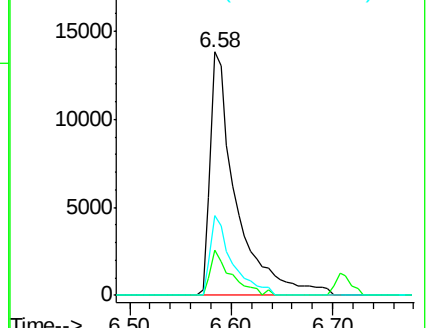
71 33.0 25.4 38.0



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: 8.21 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF107341.D

Acq: 12 Jul 2018 16:15

Tgt Ion: 136 Resp: 249450

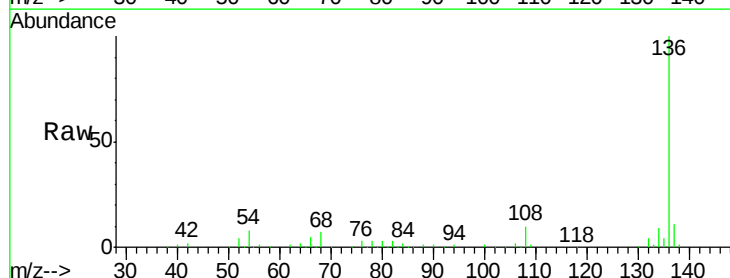
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.9 6.6 9.8

68 6.5 5.0 7.4

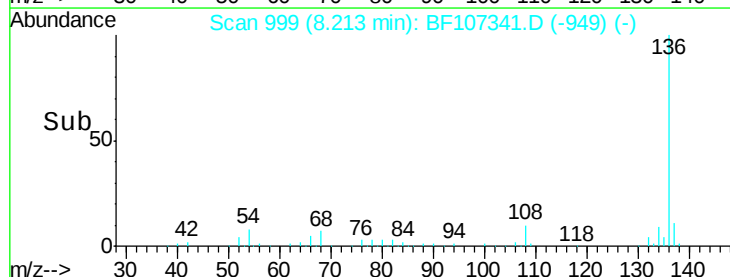
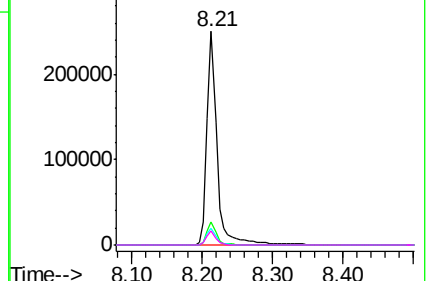


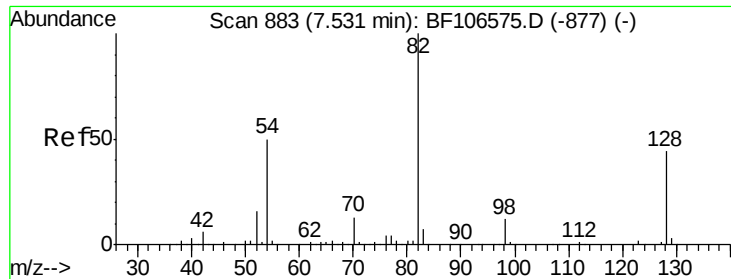
Abundance Ion 136.00 (135.70 to 136.70): E

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

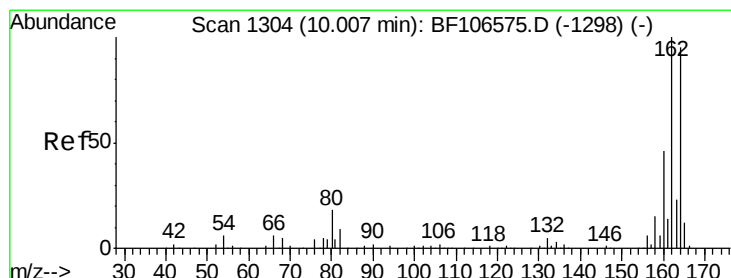
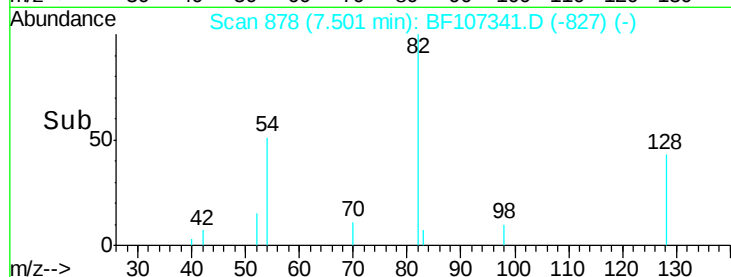
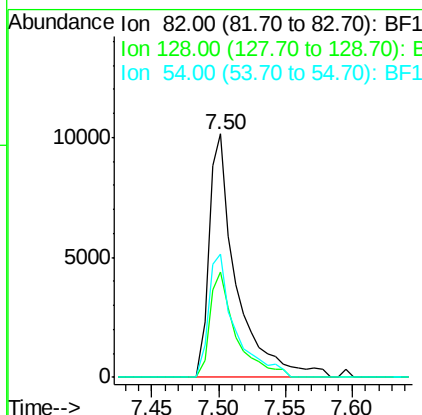
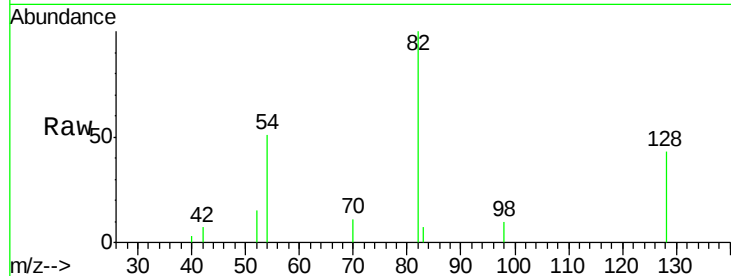




#23
 Nitrobenzene-d5
 Concen: 3.224 ng
 RT: 7.50 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

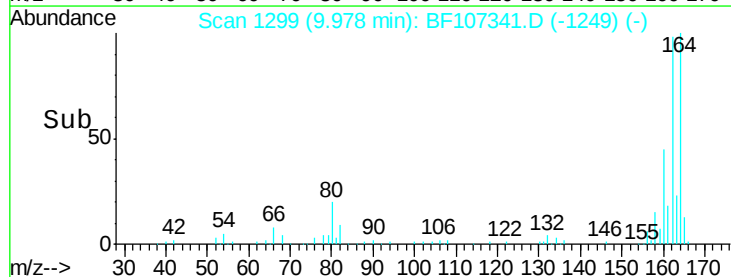
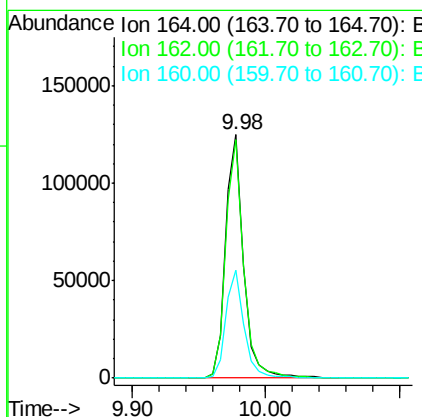
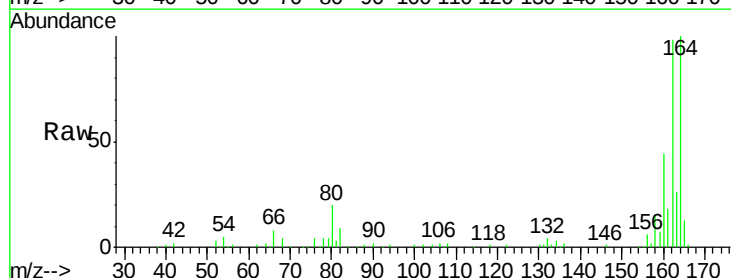
Instrument :
 BNA_F
 ClientSampleId :
 B1DL

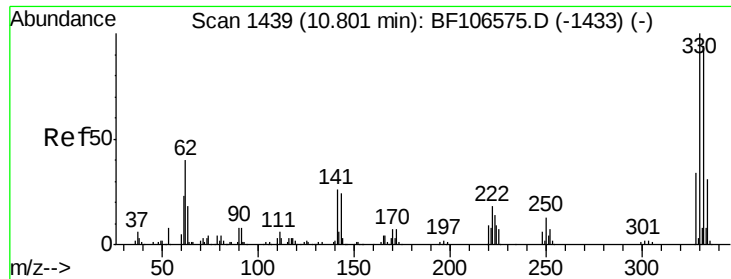
Tgt Ion: 82 Resp: 14472
 Ion Ratio Lower Upper
 82 100
 128 43.4 36.1 54.1
 54 50.5 41.4 62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

Tgt Ion: 164 Resp: 119040
 Ion Ratio Lower Upper
 164 100
 162 97.8 86.1 129.1
 160 44.4 38.3 57.5

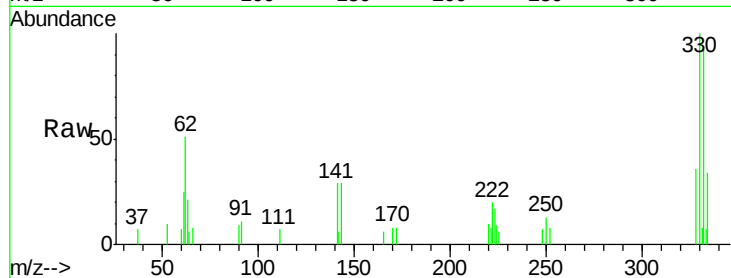




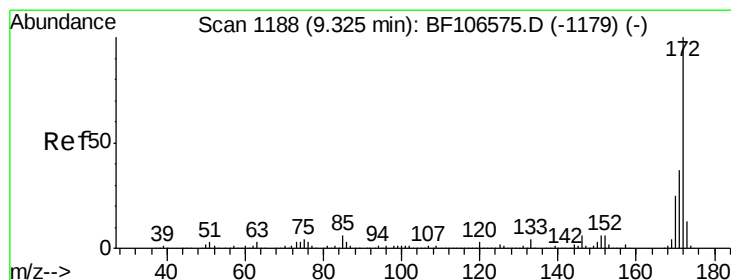
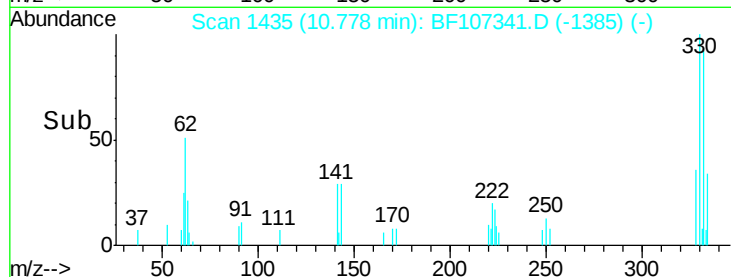
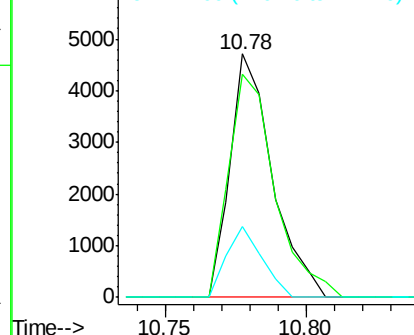
#41
 2,4,6-Tribromophenol
 Concen: 3.549 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

Instrument :
 BNA_F
 ClientSampleId :
 B1DL

Tgt Ion:330 Resp: 4896
 Ion Ratio Lower Upper
 330 100
 332 100.1 77.0 115.6
 141 24.3 29.9 44.9#

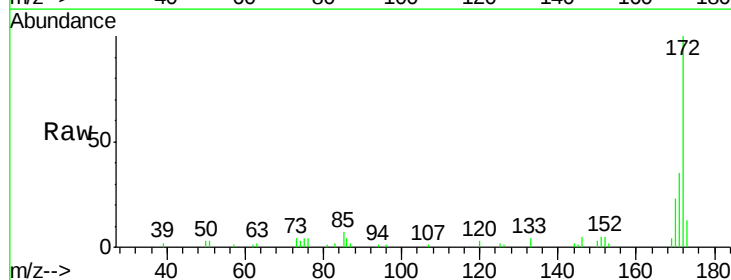


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

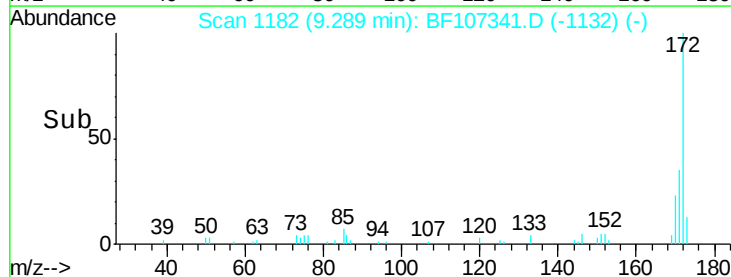
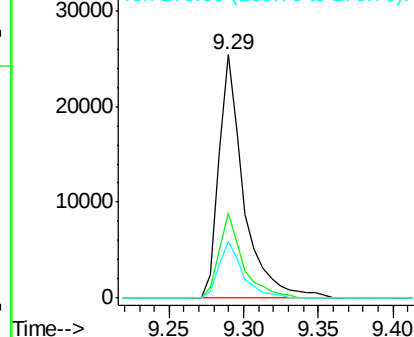


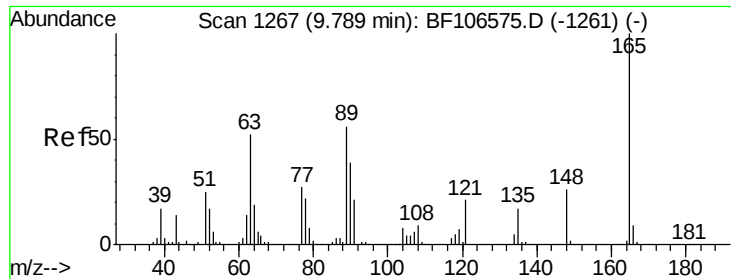
#44
 2-Fluorobiphenyl
 Concen: -12.779 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

Tgt Ion:172 Resp: 29466
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.5 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

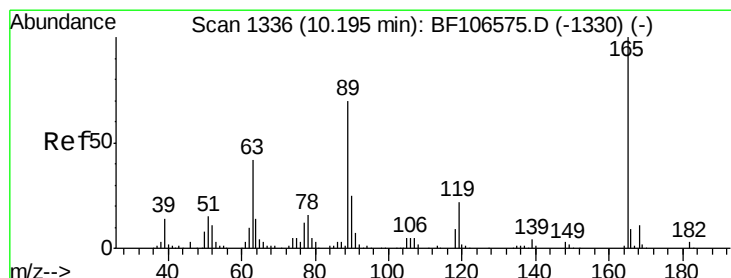
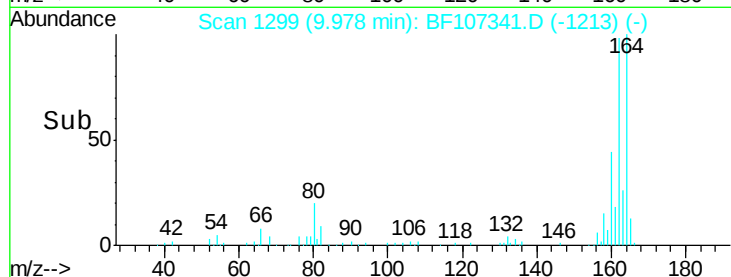
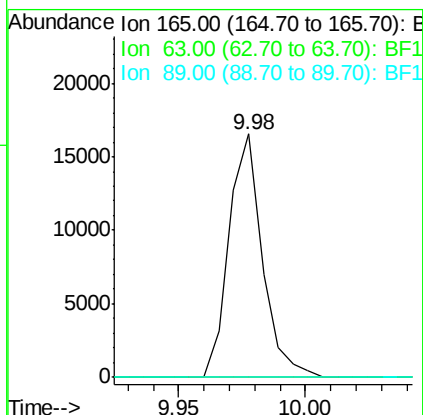
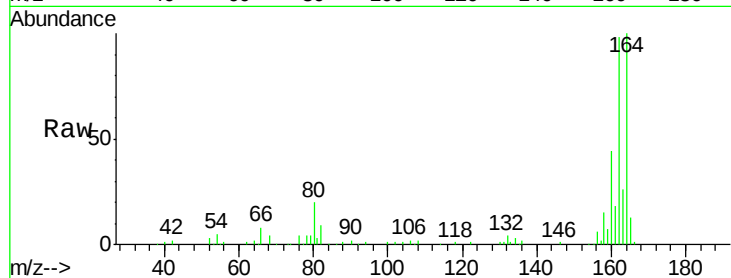




#50
 2,6-Dinitrotoluene
 Concen: 7.993 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. 0.21 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

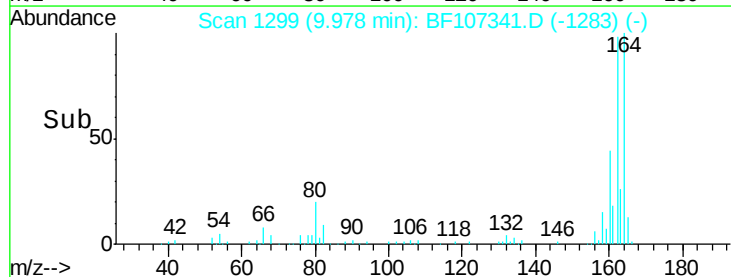
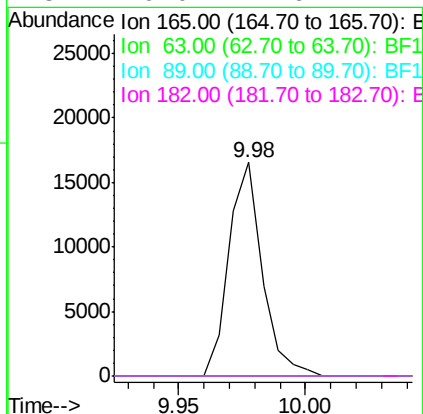
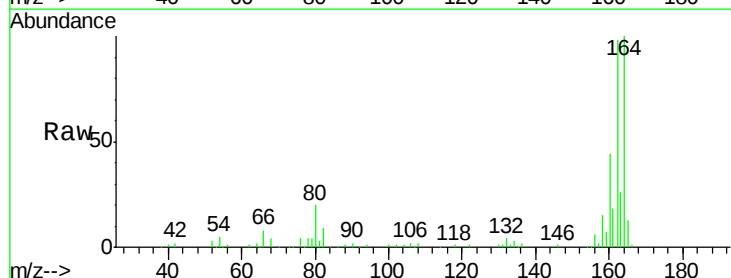
Instrument :
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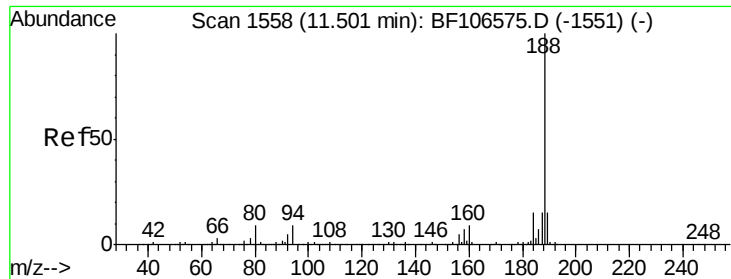
Tgt Ion:165 Resp: 15111
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.123 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

Tgt Ion:165 Resp: 15111
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1554

Delta R.T. -0.00 min

Lab File: BF107341.D

Acq: 12 Jul 2018 16:15

Instrument :

BNA_F

ClientSampleId :

B1DL

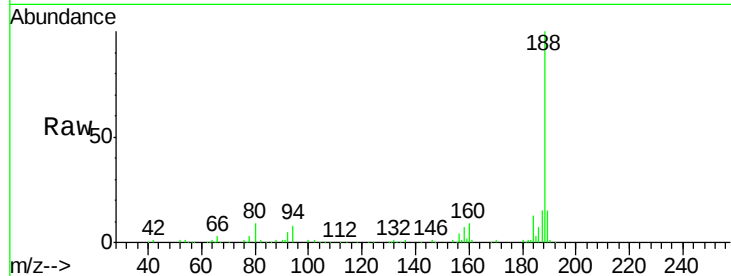
Tgt Ion:188 Resp: 202173

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

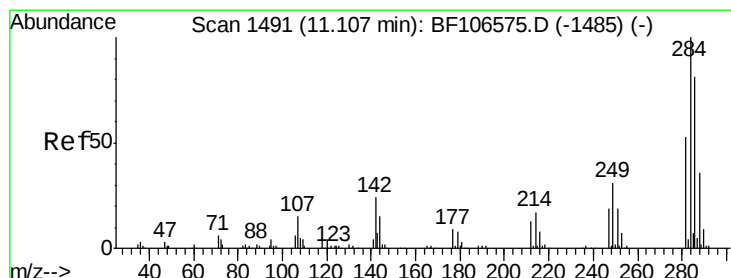
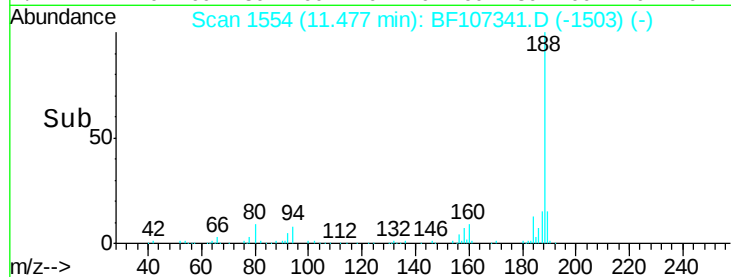
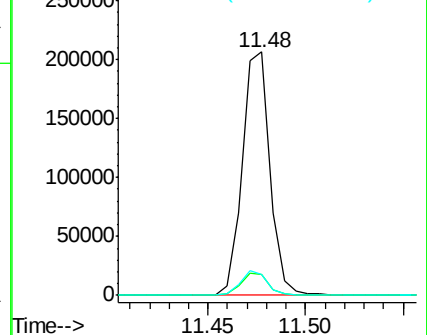
80 8.6 9.2 13.8#



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



#67

Hexachlorobenzene

Concen: 114.462 ng

RT: 11.09 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BF107341.D

Acq: 12 Jul 2018 16:15

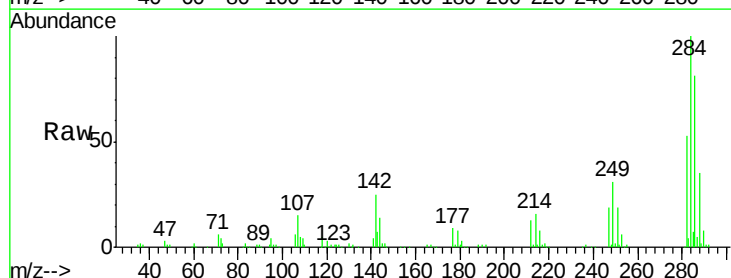
Tgt Ion:284 Resp: 289058

Ion Ratio Lower Upper

284 100

142 25.2 34.6 52.0#

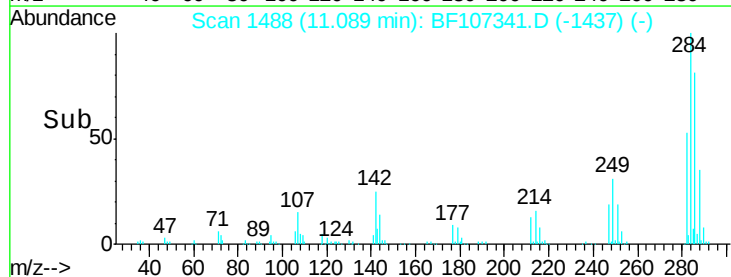
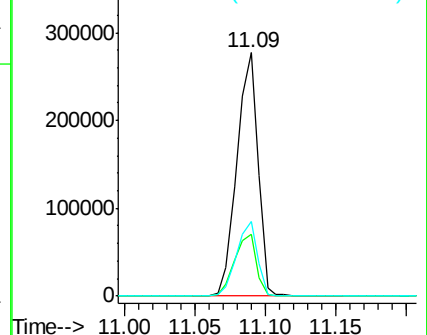
249 30.6 24.8 37.2

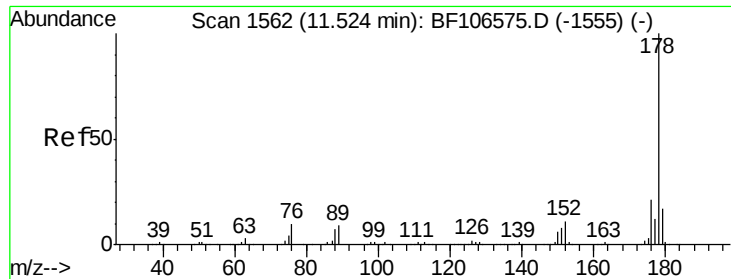


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

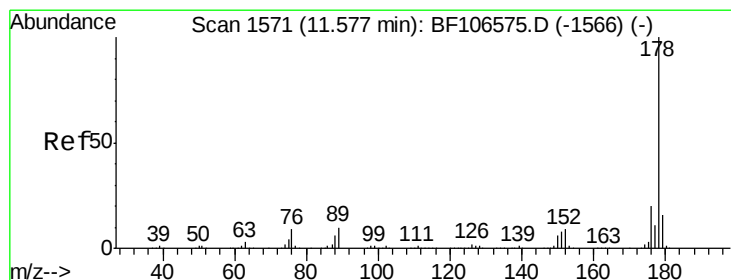
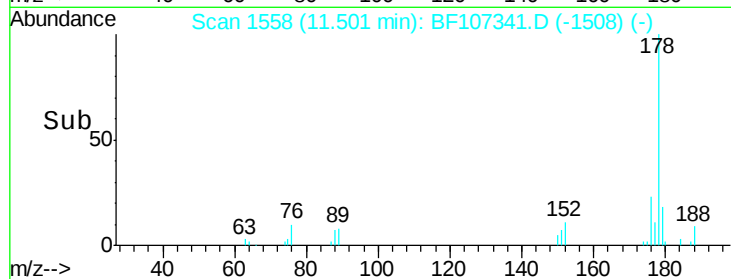
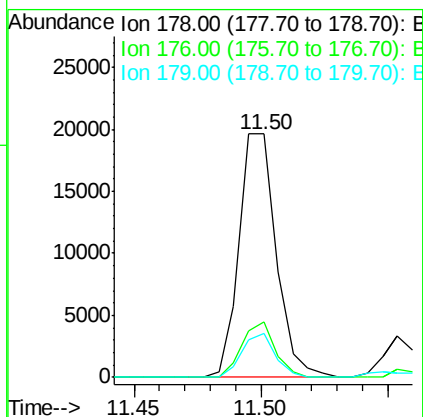
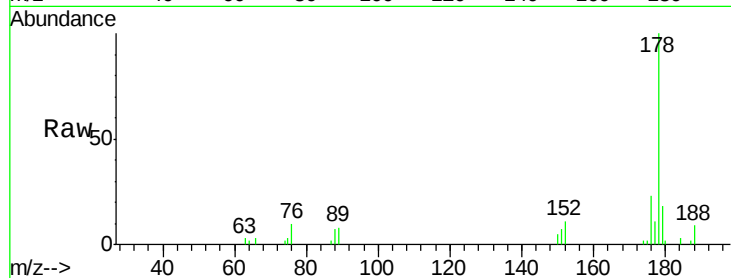




#70
 Phenanthrene
 Concen: 2.058 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

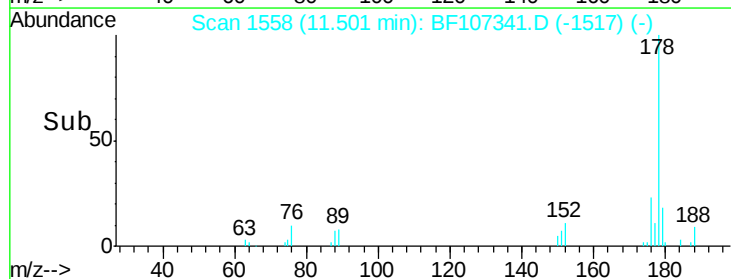
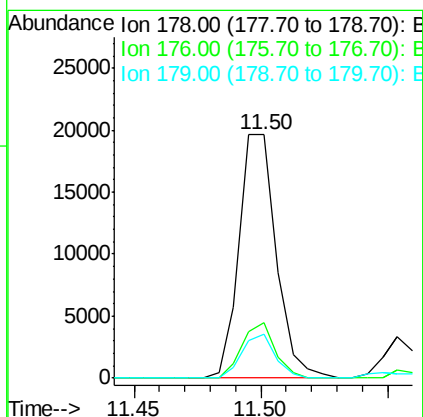
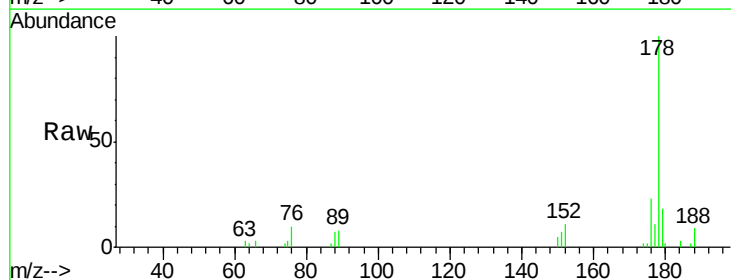
Instrument :
 BNA_F
 ClientSampleId :
 B1DL

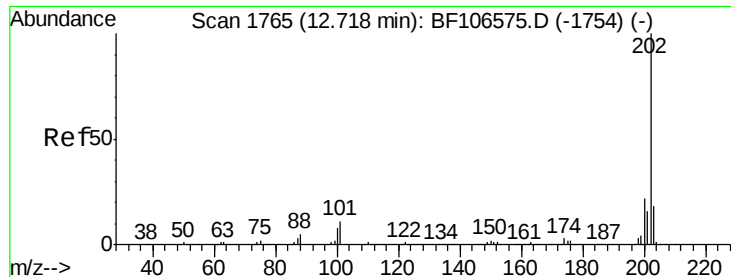
Tgt Ion:178 Resp: 20070
 Ion Ratio Lower Upper
 178 100
 176 22.6 15.8 23.8
 179 18.1 13.0 19.6



#71
 Anthracene
 Concen: 2.016 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.06 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

Tgt Ion:178 Resp: 20070
 Ion Ratio Lower Upper
 178 100
 176 22.6 15.4 23.2
 179 18.1 12.6 19.0

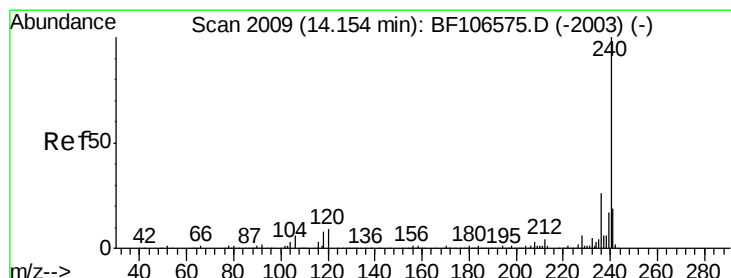
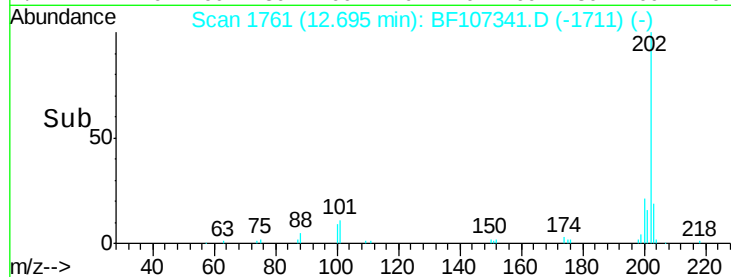
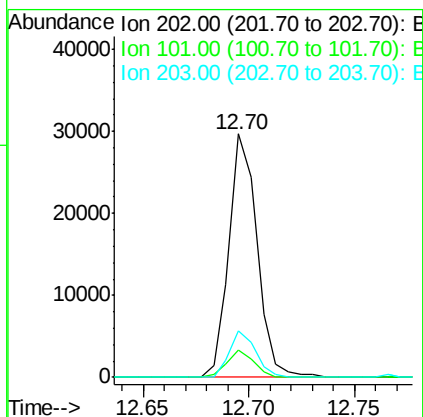
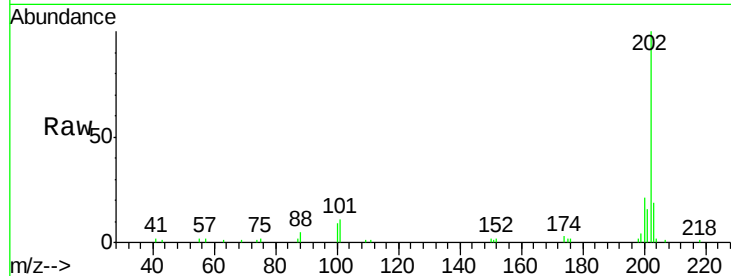




#74
 Fluoranthene
 Concen: 2.543 ng
 RT: 12.70 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

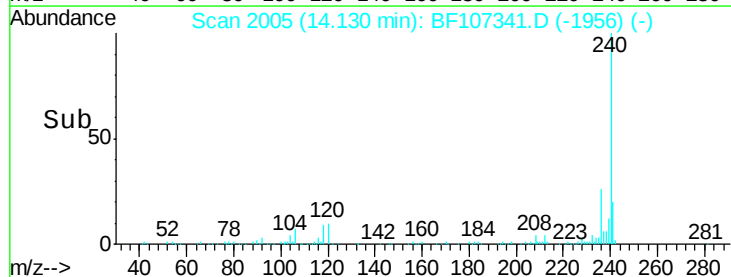
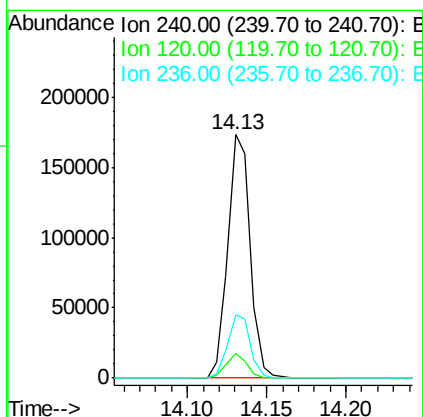
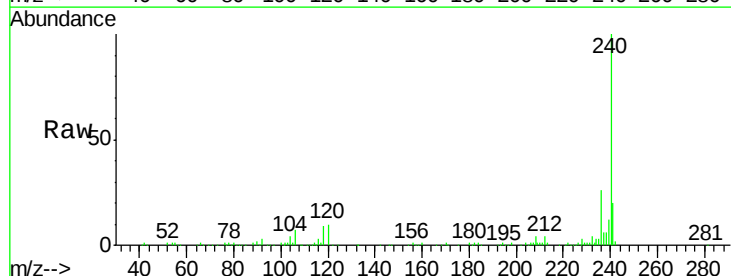
Instrument :
 BNA_F
 ClientSampleId :
 B1DL

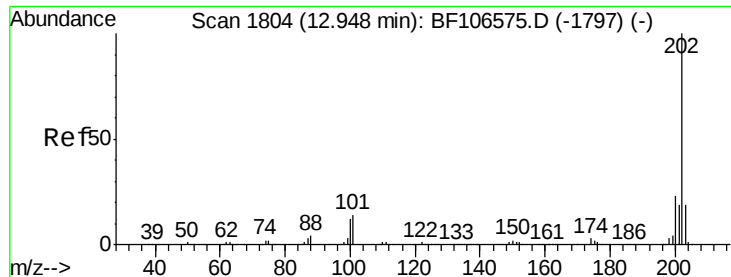
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	18.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	25.9	20.7	31.1

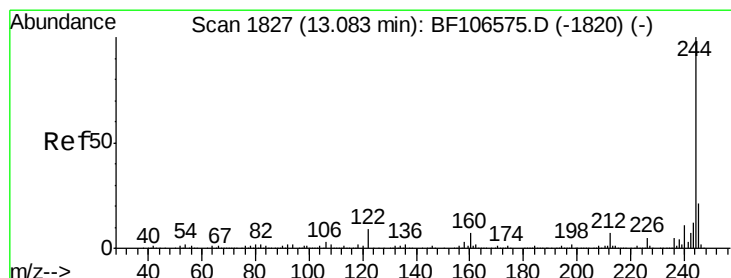
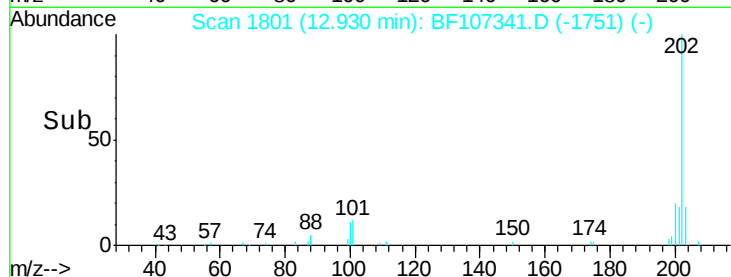
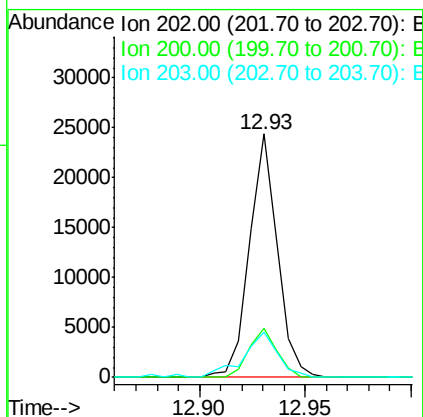
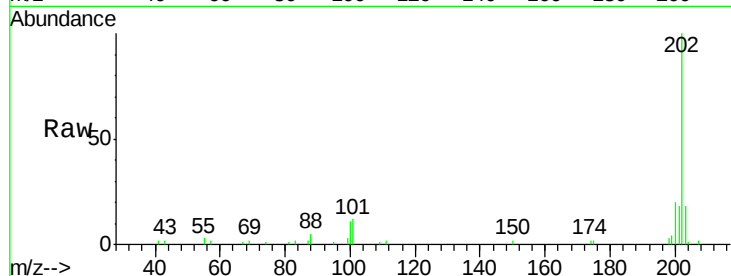




#77
 Pyrene
 Concen: 2.015 ng
 RT: 12.93 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

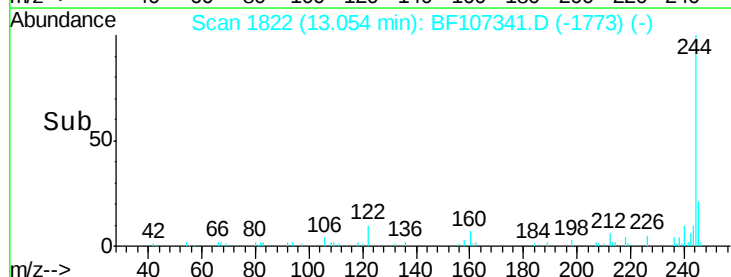
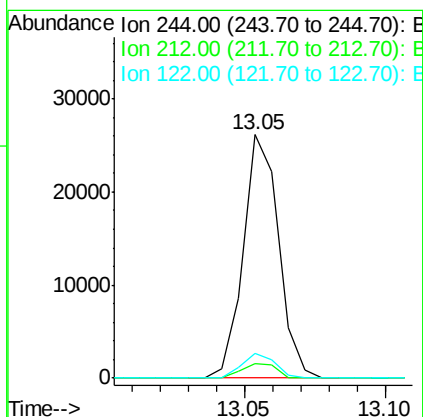
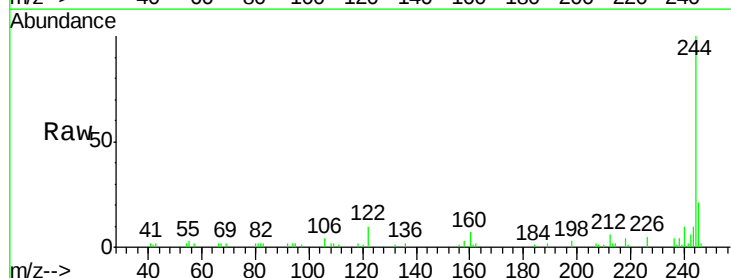
Instrument :
 BNA_F
 ClientSampleId :
 B1DL

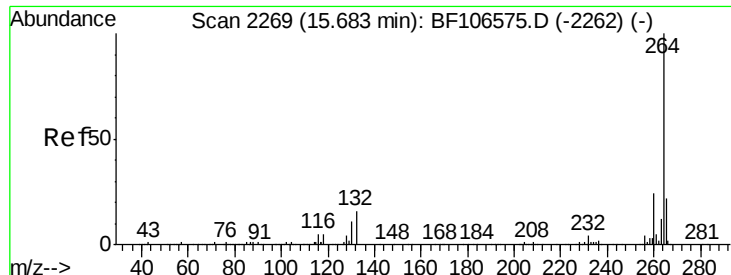
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	18.4	14.3	21.5



#78
 Terphenyl-d14
 Concen: 3.234 ng
 RT: 13.05 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF107341.D
 Acq: 12 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	10.2	11.0	16.4#



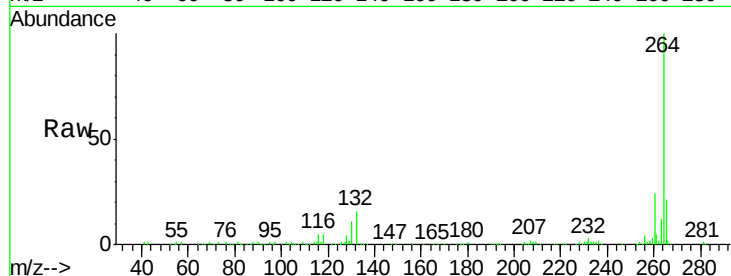


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF107341.D
Acq: 12 Jul 2018 16:15

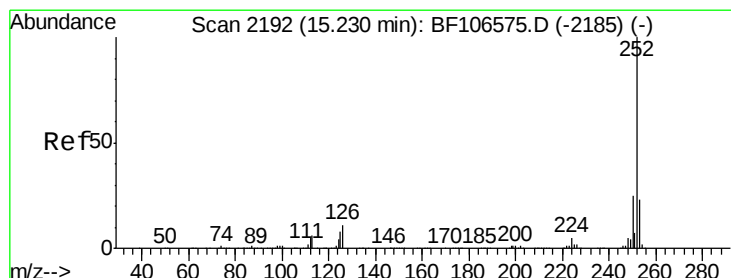
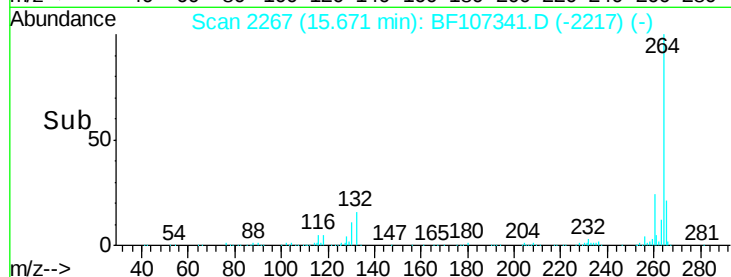
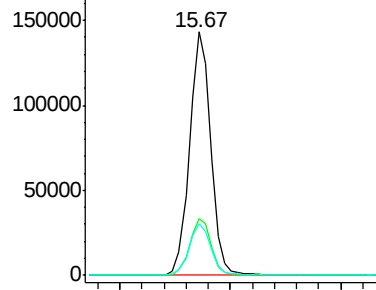
Instrument :
BNA_F
ClientSampleId :
B1DL

Tgt Ion: 264 Resp: 191013

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.2	17.5	26.3



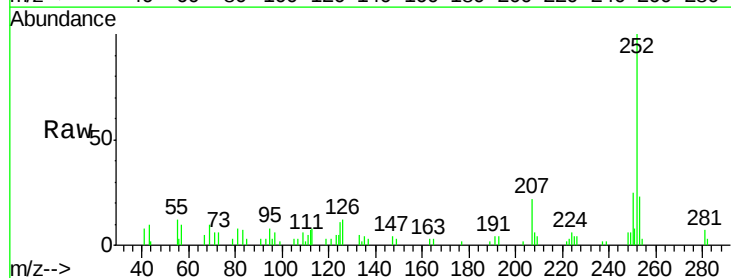
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



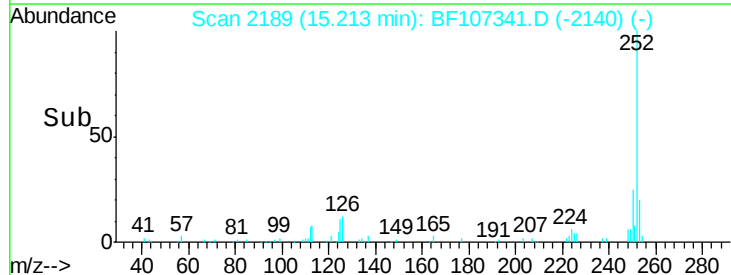
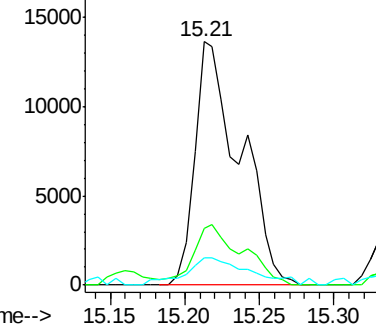
#87
Benzo(b)fluoranthene
Concen: 2.423 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BF107341.D
Acq: 12 Jul 2018 16:15

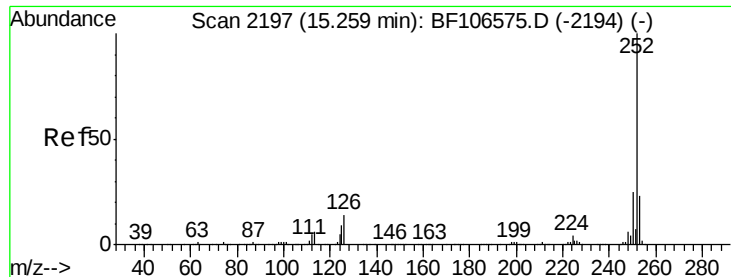
Tgt Ion: 252 Resp: 28753

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	11.1	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: 2.545 ng

RT: 15.21 min Scan# 2189

Delta R.T. -0.04 min

Lab File: BF107341.D

Acq: 12 Jul 2018 16:15

Instrument :

BNA_F

ClientSampleId :

B1DL

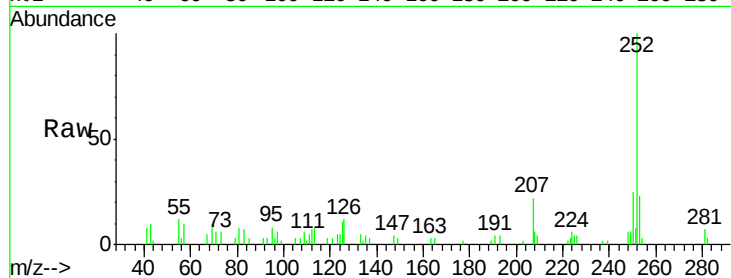
Tgt Ion:252 Resp: 28753

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 11.1 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

