

Data Path : Z:\HPCHEM1\BNA_F\Data\BF111617\
 Data File : BF100634.D
 Acq On : 16 Nov 2017 16:53
 Operator : SJ/JU
 Sample : I6305-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-B

Quant Time: Nov 16 17:27:12 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 17:27:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	100109	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	362019	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	142782	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	225532	20.00	ng	0.00
75) Chrysene-d12	14.04	240	232148	20.00	ng	0.00
86) Perylene-d12	15.52	264	253730	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	109987	17.61	ng	-0.01
7) Phenol-d6	6.49	99	132678	17.23	ng	-0.02
23) Nitrobenzene-d5	7.44	82	75510	13.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	16658	11.45	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	133037	14.19	ng	0.00
78) Terphenyl-d14	12.98	244	88531	8.76	ng	-0.01

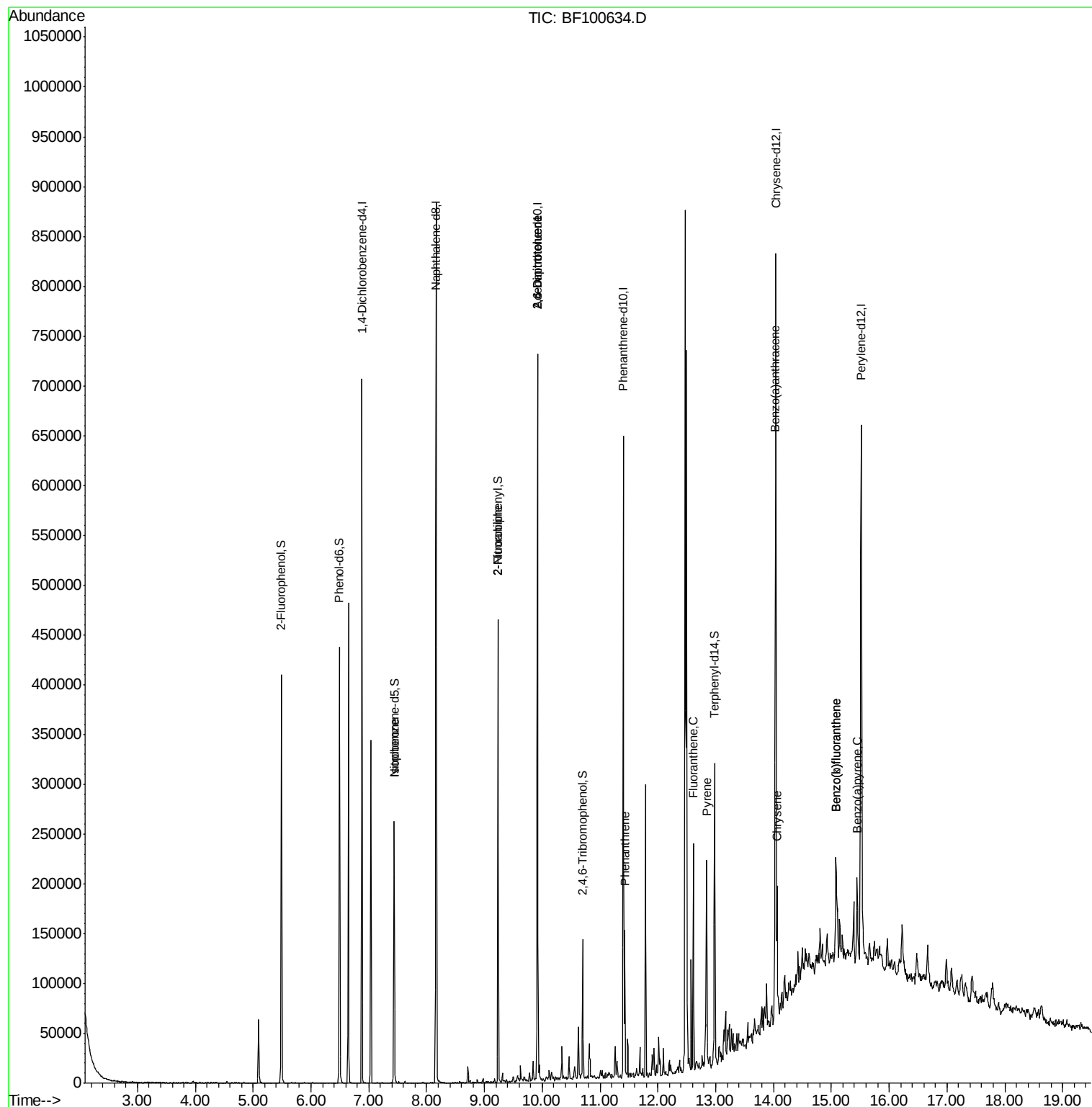
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.44	82	75525	6.564	ng	# 64
47) 2-Nitroaniline	9.23	65	140	2.834	ng	# 6
50) 2,6-Dinitrotoluene	9.92	165	17809	8.253	ng	# 24
56) 2,4-Dinitrotoluene	9.92	165	17809	6.542	ng	# 21
70) Phenanthrene	11.43	178	53312	4.490	ng	97
74) Fluoranthene	12.62	202	94145	7.481	ng	94
77) Pyrene	12.85	202	85221	5.150	ng	97
80) Benzo(a)anthracene	14.03	228	51507	3.684	ng	96
82) Chrysene	14.06	228	45684	3.375	ng	97
87) Benzo(b)fluoranthene	15.08	252	81101	5.395	ng	# 94
88) Benzo(k)fluoranthene	15.08	252	81101	5.710	ng	97
89) Benzo(a)pyrene	15.45	252	41989	3.151	ng	93

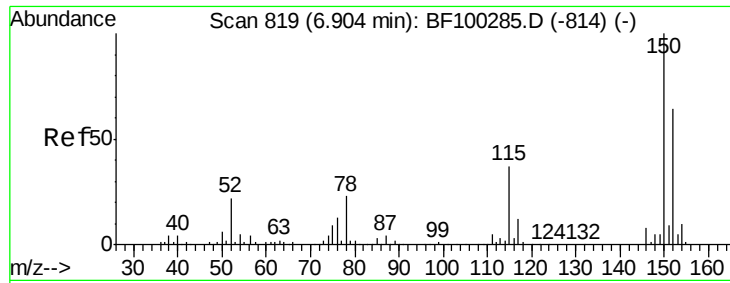
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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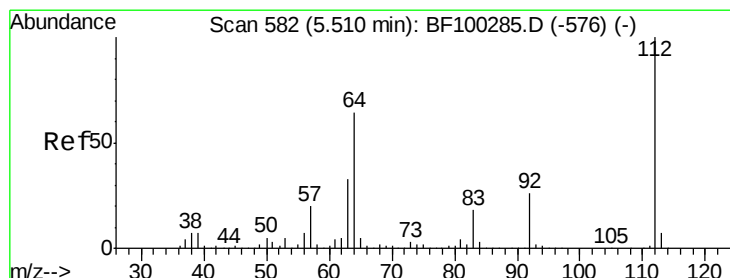
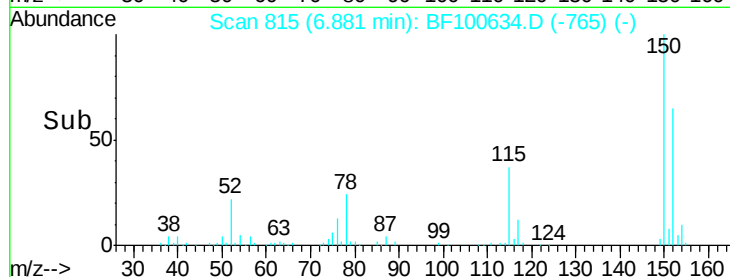
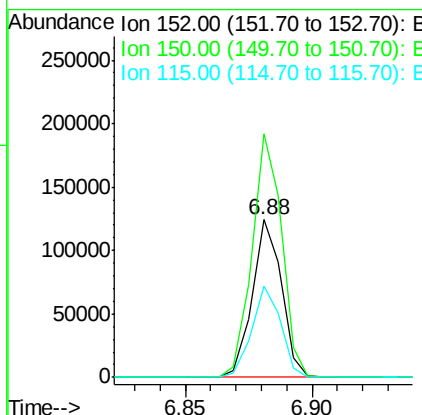
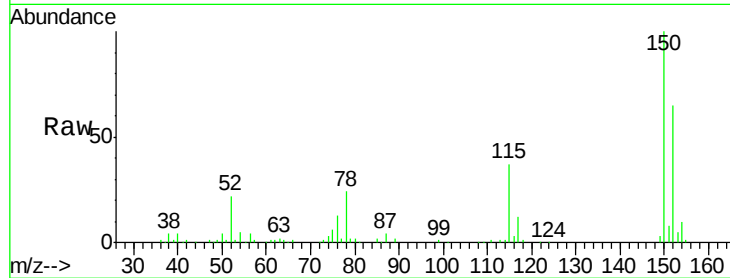




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

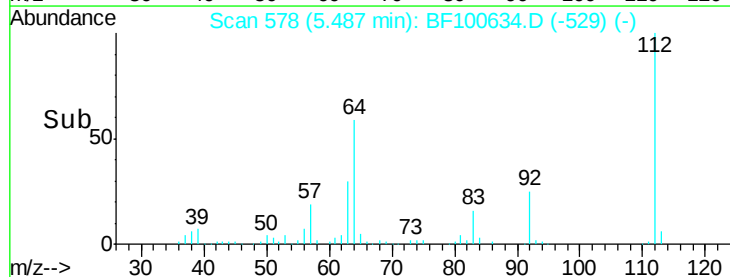
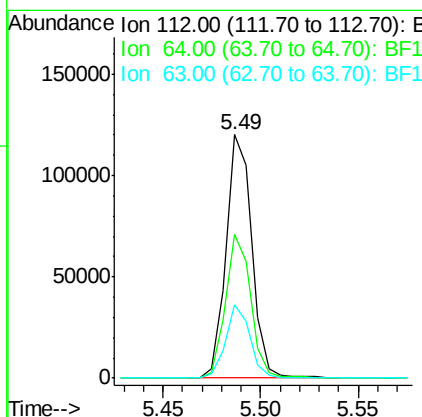
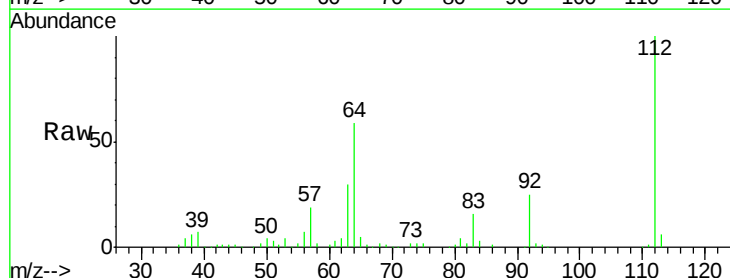
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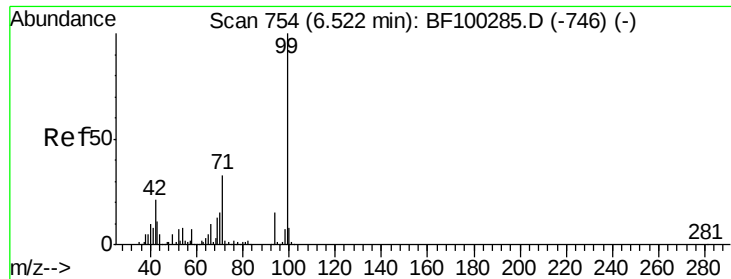
Tgt Ion:152 Resp: 100109
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.6 186.8
 115 58.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 17.612 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

Tgt Ion:112 Resp: 109987
 Ion Ratio Lower Upper
 112 100
 64 59.0 47.9 71.9
 63 30.4 23.7 35.5





#7

Phenol-d6

Concen: 17.228 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100634.D

Acq: 16 Nov 2017 16:53

Instrument :

BNA_F

ClientSampleId :

PL-01-111317-B

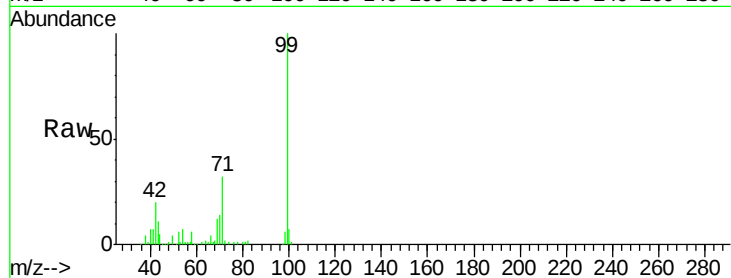
Tgt Ion: 99 Resp: 132678

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

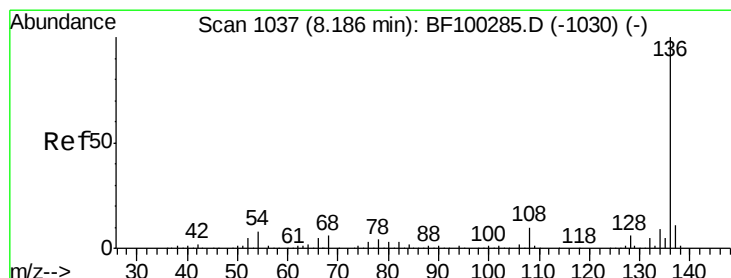
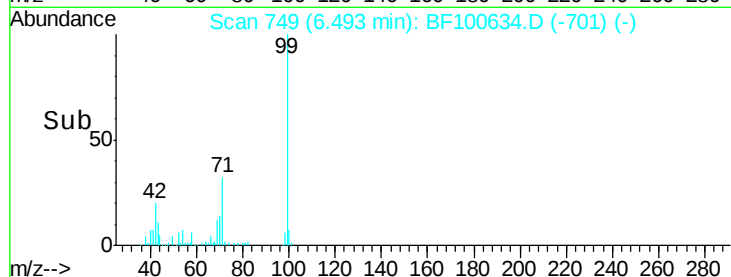
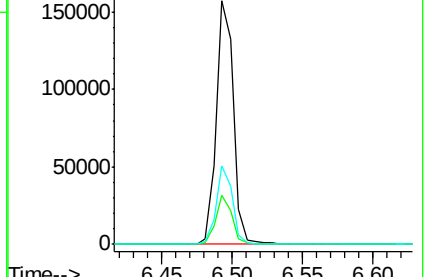
71 32.2 25.4 38.0



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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100634.D

Acq: 16 Nov 2017 16:53

Tgt Ion: 136 Resp: 362019

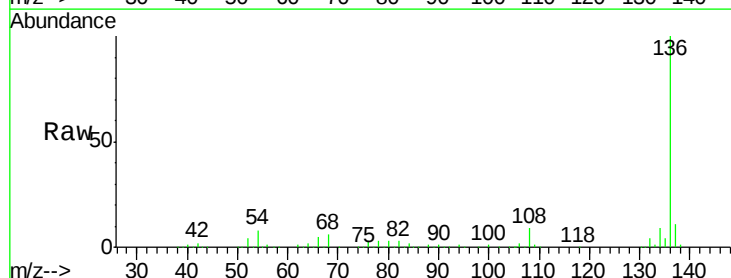
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.1 6.6 9.8

68 5.7 5.0 7.4

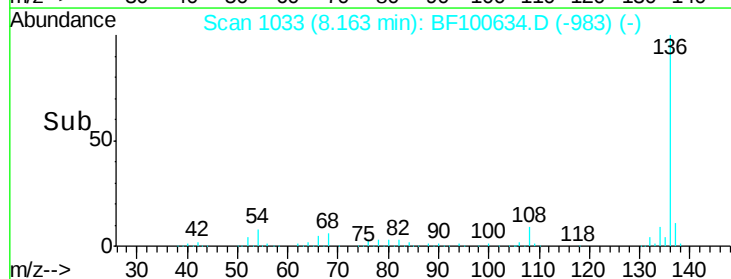
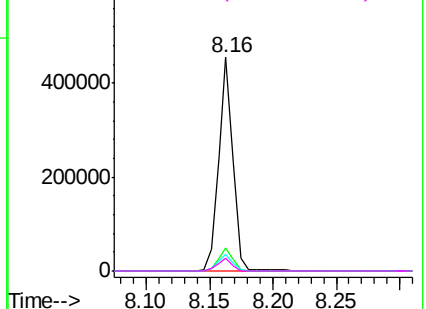


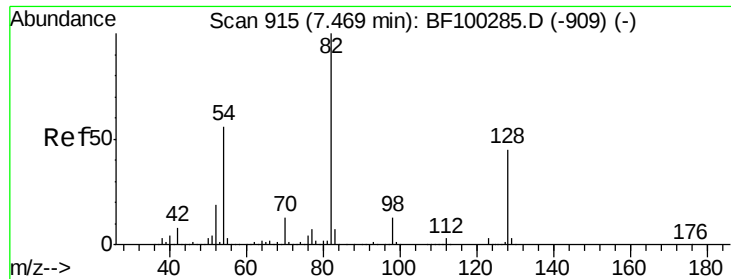
Abundance Ion 136.00 (135.70 to 136.70): E

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

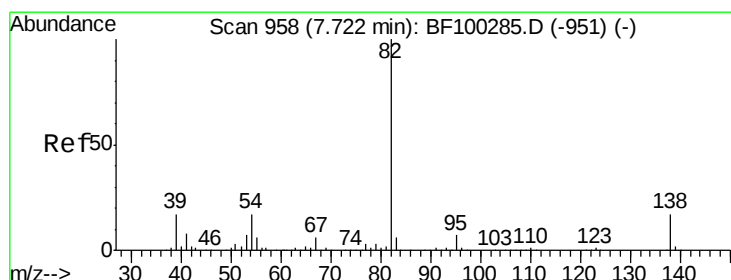
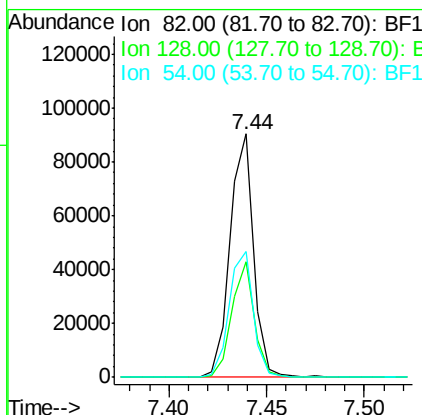
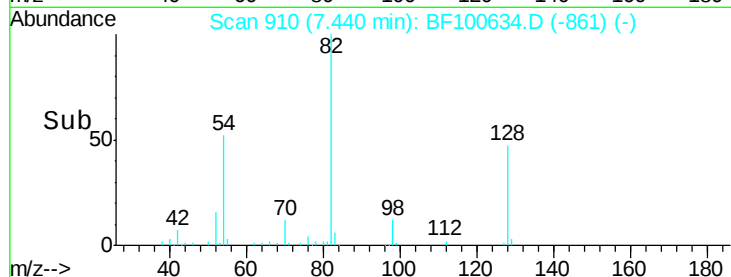
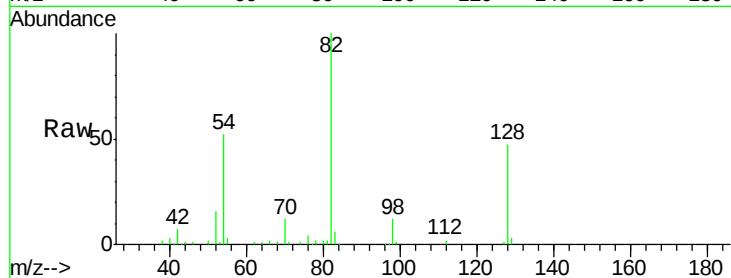




#23
 Nitrobenzene-d5
 Concen: 13.790 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

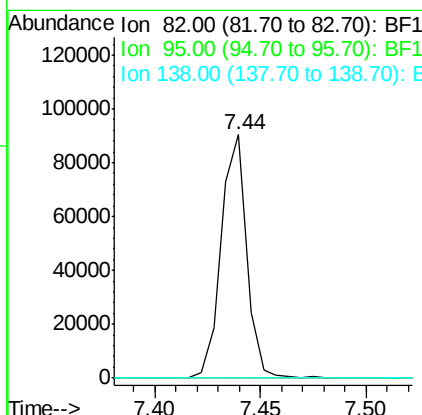
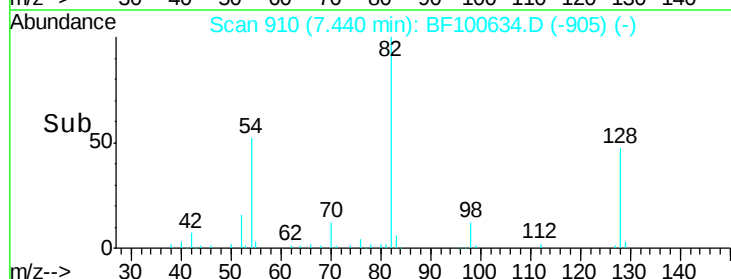
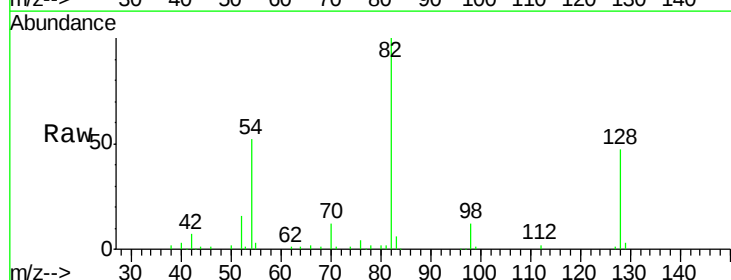
Instrument :
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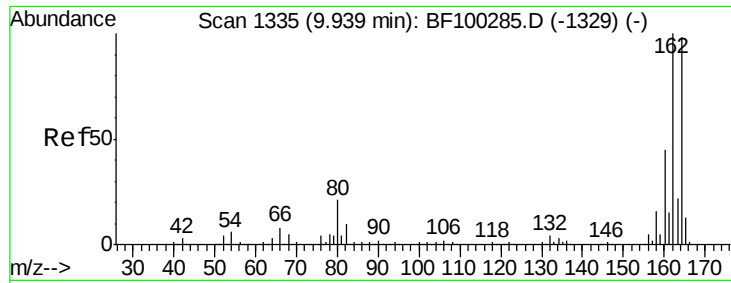
Tgt Ion: 82 Resp: 75510
 Ion Ratio Lower Upper
 82 100
 128 47.4 36.1 54.1
 54 51.7 41.4 62.2



#25
 Isophorone
 Concen: 6.564 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

Tgt Ion: 82 Resp: 75525
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

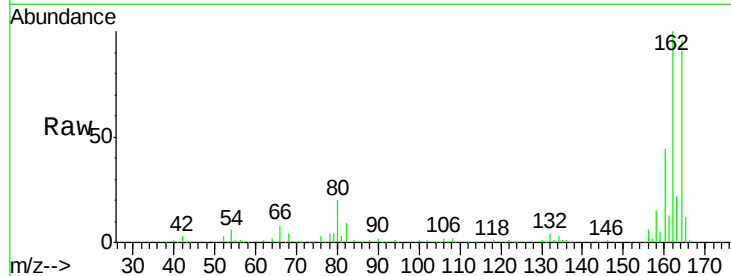




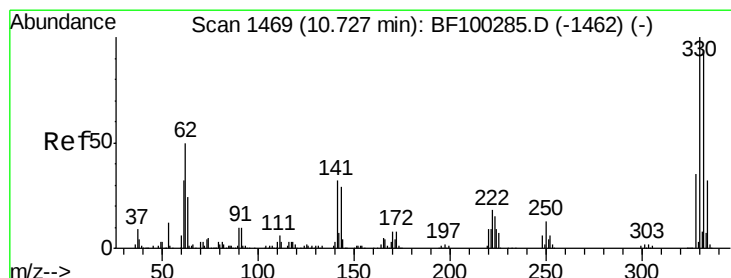
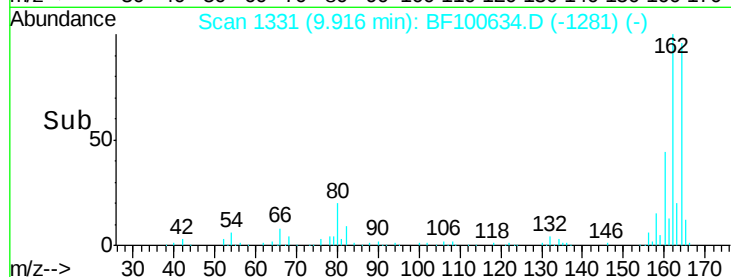
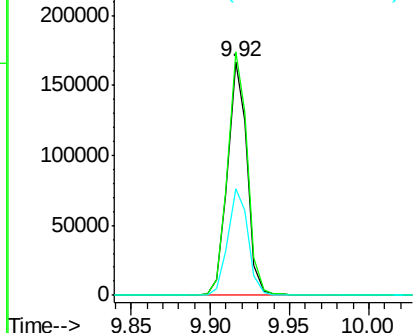
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-B

Tgt Ion:164 Resp: 142782
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 45.9 38.3 57.5

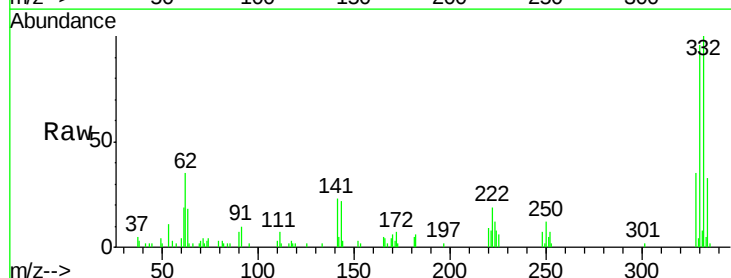


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

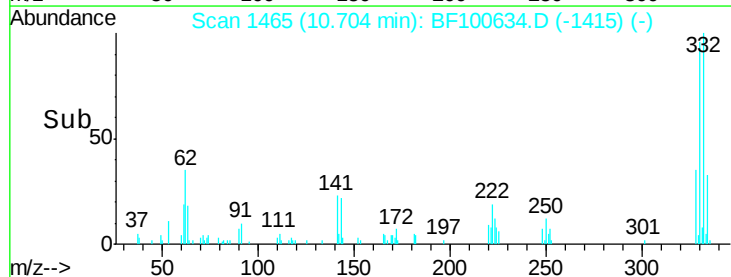
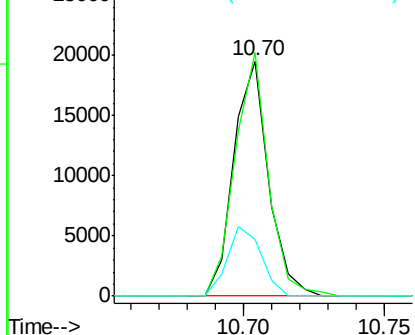


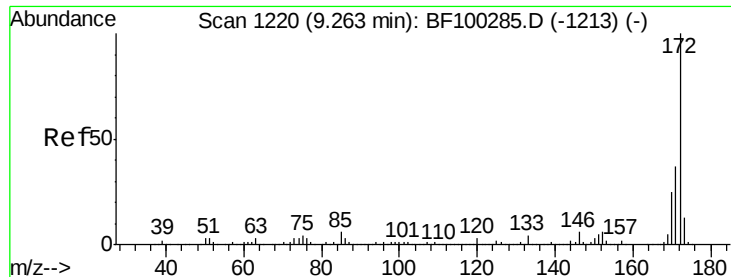
#41
 2,4,6-Tribromophenol
 Concen: 11.449 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

Tgt Ion:330 Resp: 16658
 Ion Ratio Lower Upper
 330 100
 332 99.9 77.0 115.6
 141 28.7 29.9 44.9#



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

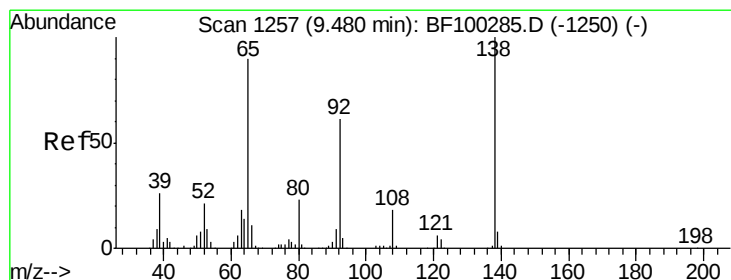
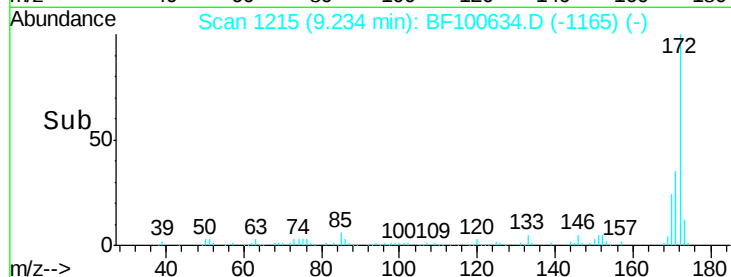
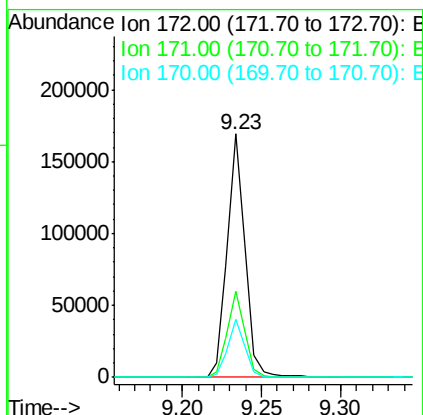
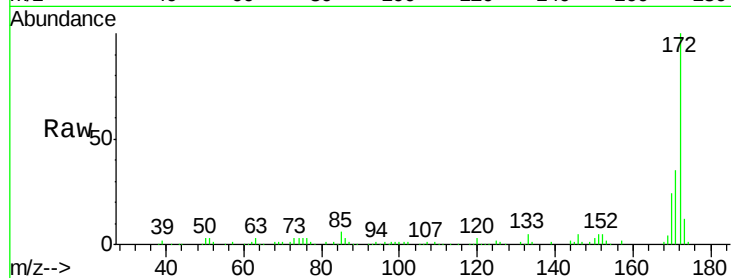




#44
 2-Fluorobiphenyl
 Concen: 14.188 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

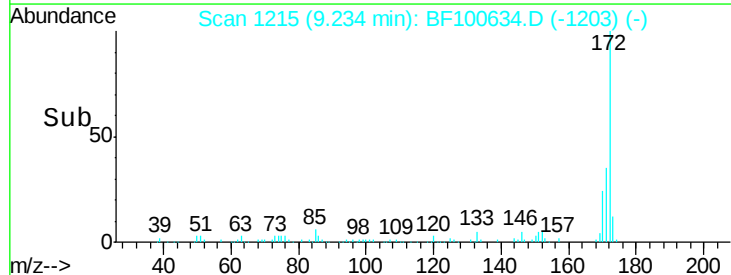
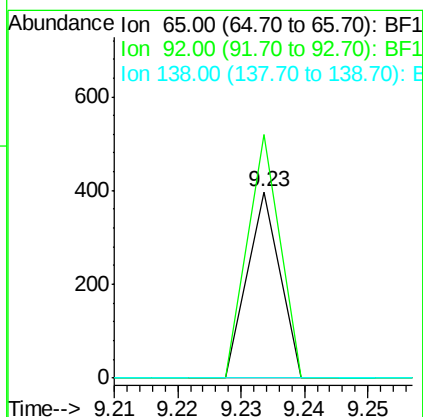
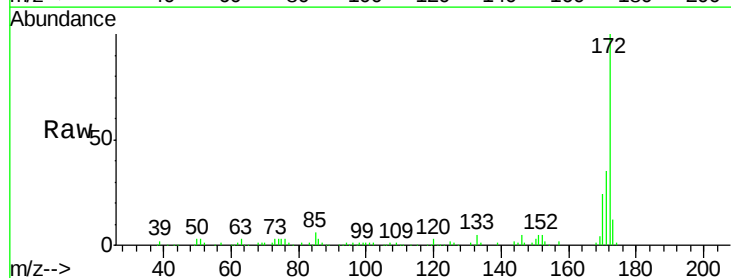
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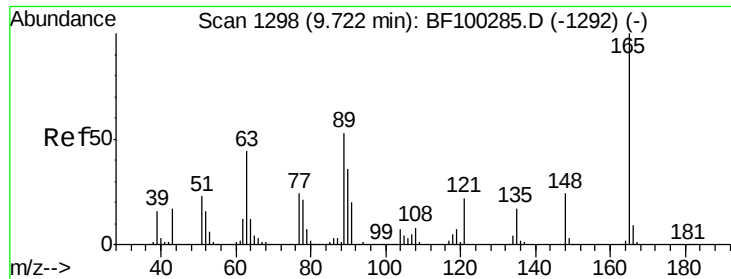
Tgt Ion: 172 Resp: 133037
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.8 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.834 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

Tgt Ion: 65 Resp: 140
 Ion Ratio Lower Upper
 65 100
 92 130.7 55.8 83.6#
 138 0.0 91.2 136.8#

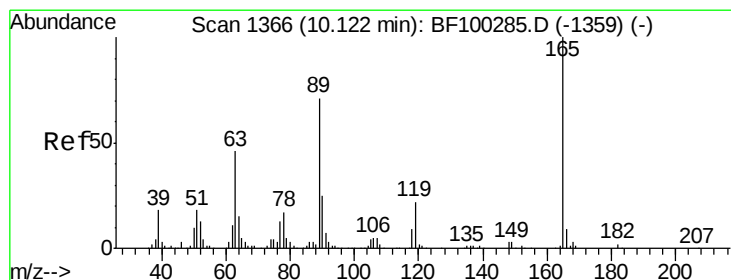
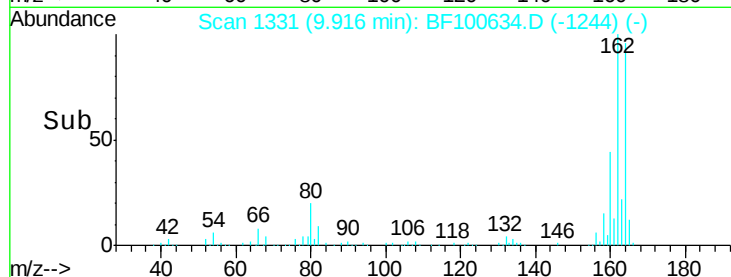
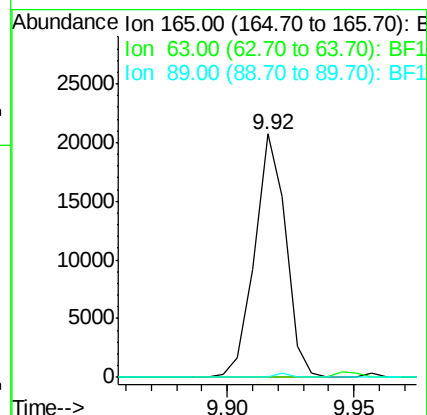
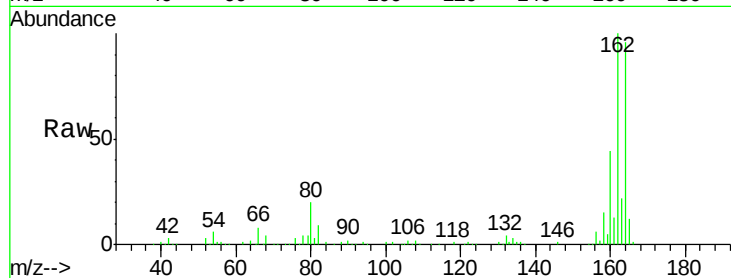




#50
 2,6-Dinitrotoluene
 Concen: 8.253 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

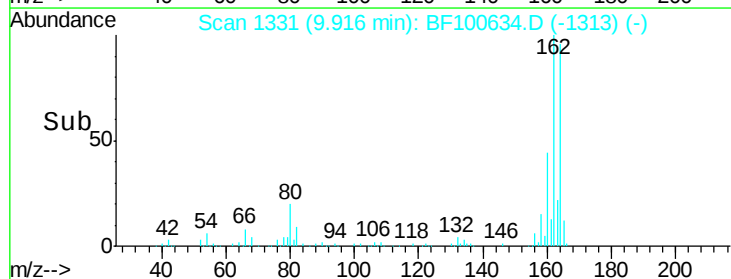
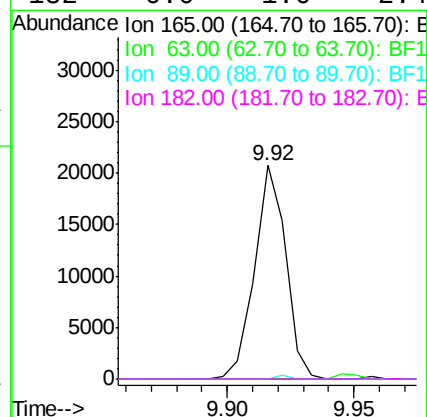
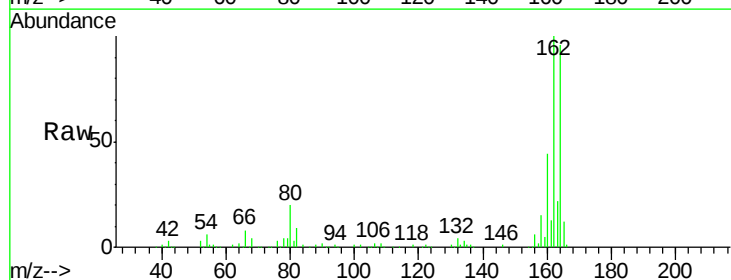
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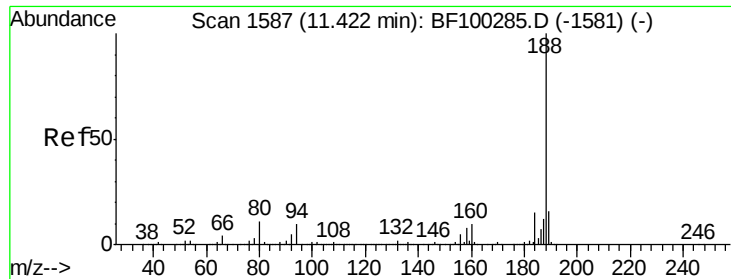
Tgt Ion:165 Resp: 17809
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.542 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

Tgt Ion:165 Resp: 17809
 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#

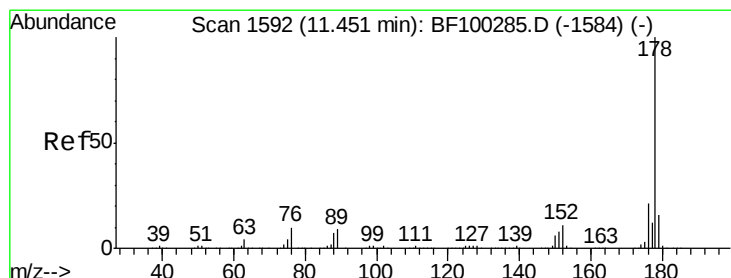
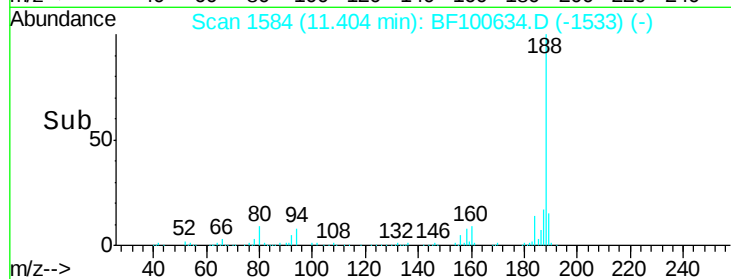
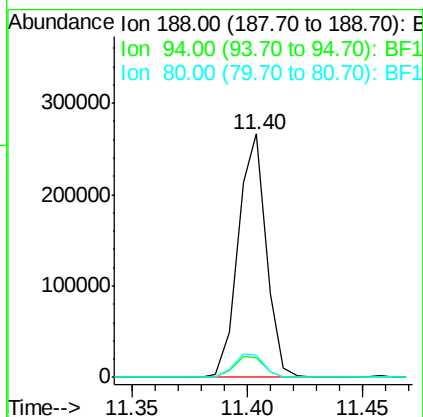
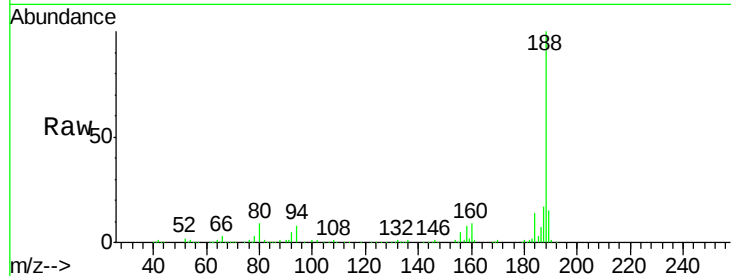




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

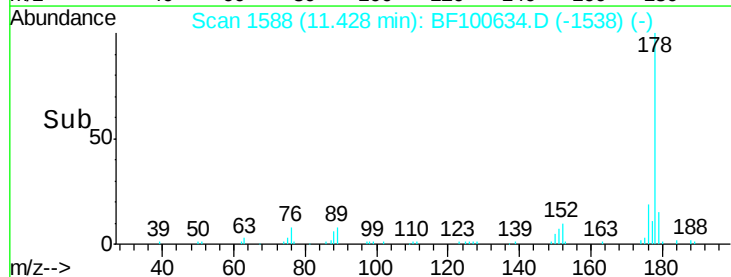
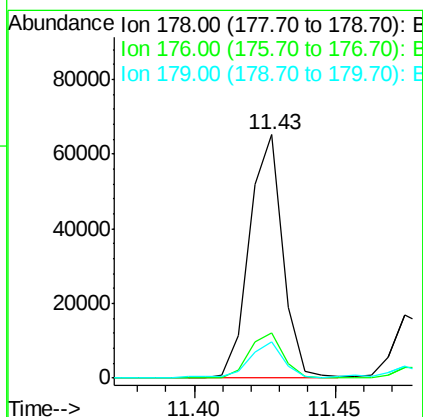
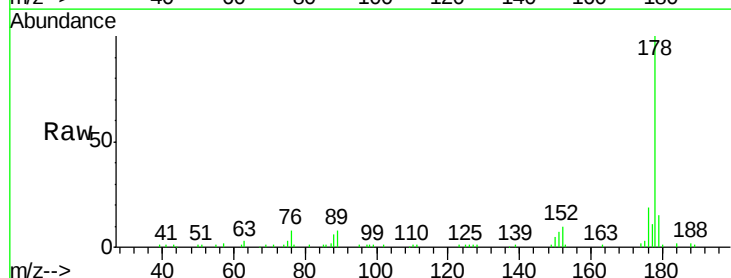
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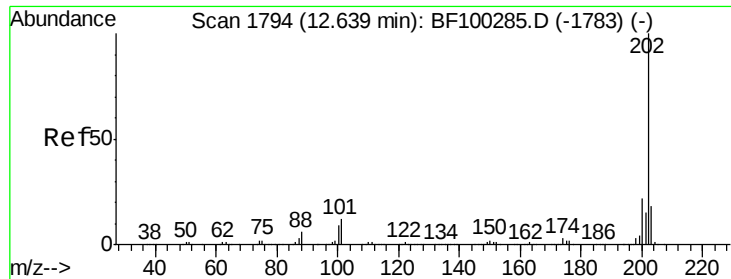
Tgt Ion:188 Resp: 22532
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 9.0 9.2 13.8#



#70
Phenanthrene
Concen: 4.490 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

Tgt Ion:178 Resp: 53312
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.9 13.0 19.6

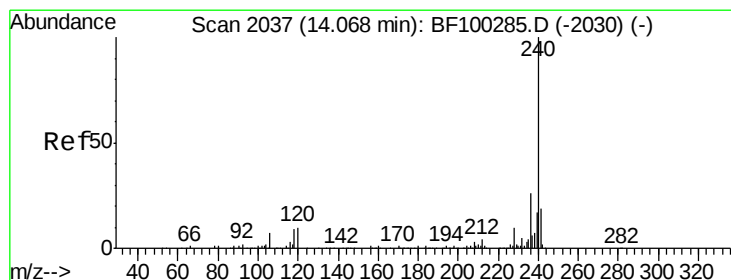
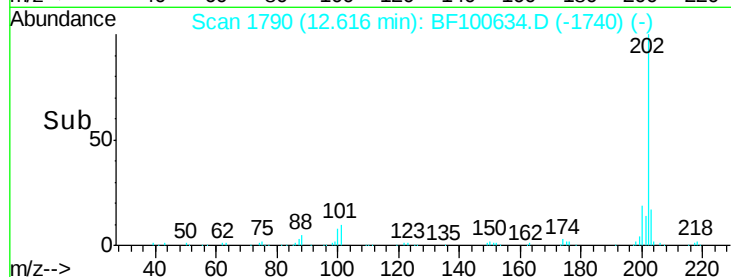
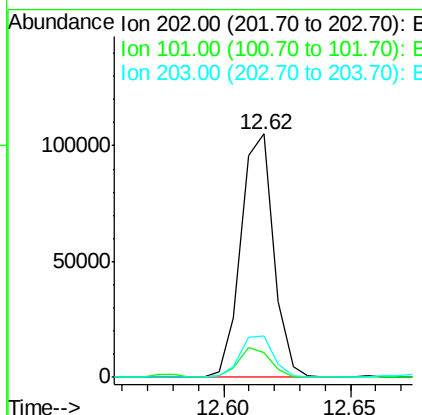
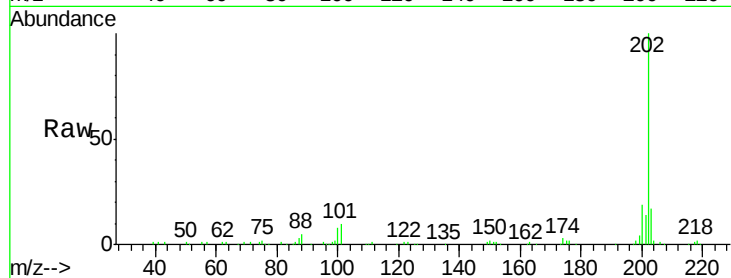




#74
 Fluoranthene
 Concen: 7.481 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

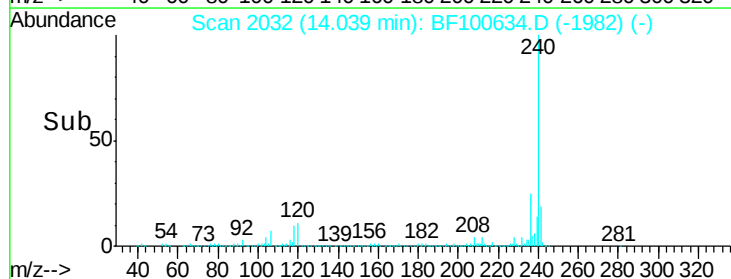
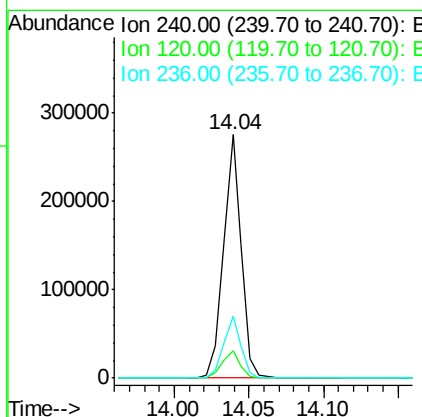
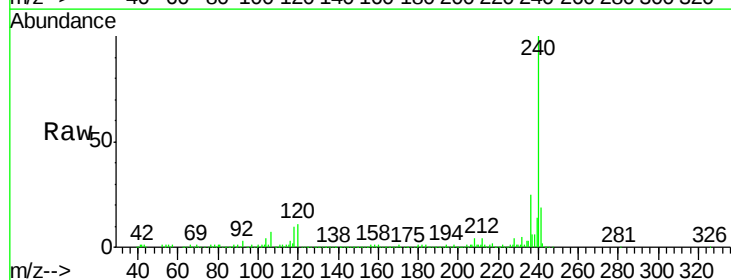
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-B

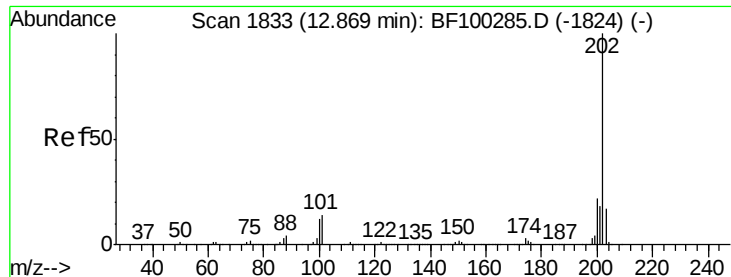
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.1
203	17.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF100634.D
 Acq: 16 Nov 2017 16:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.2	20.7	31.1





#77

Pyrene

Concen: 5.150 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100634.D

Acq: 16 Nov 2017 16:53

Instrument :

BNA_F

ClientSampleId :

PL-01-111317-B

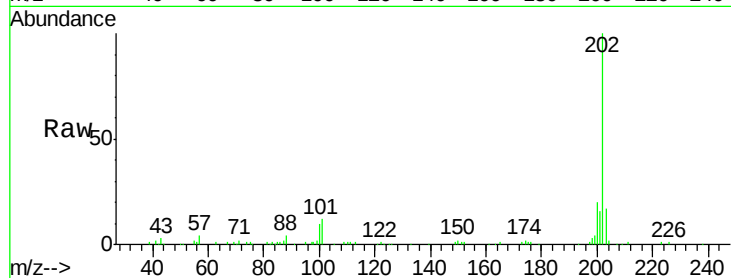
Tgt Ion:202 Resp: 85221

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

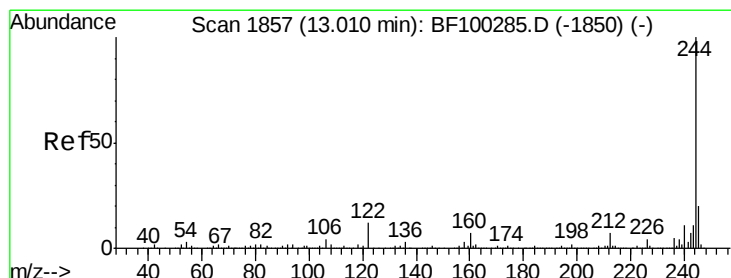
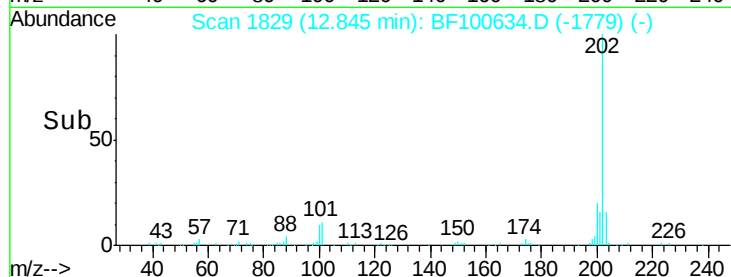
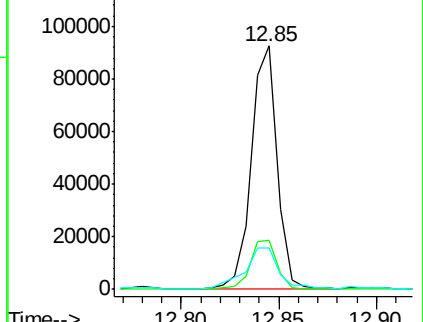
203 16.9 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 8.762 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100634.D

Acq: 16 Nov 2017 16:53

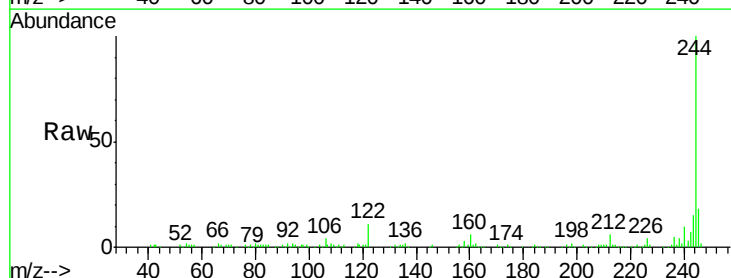
Tgt Ion:244 Resp: 88531

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

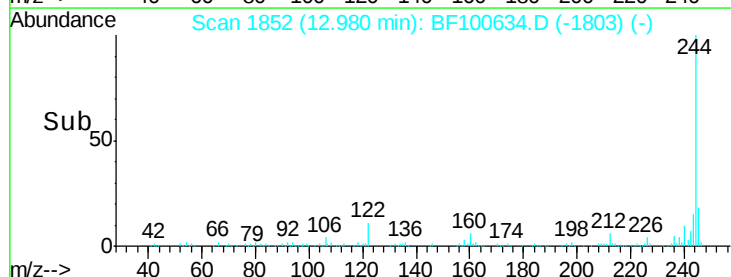
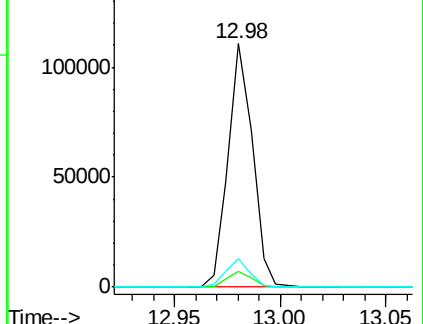
122 11.5 11.0 16.4

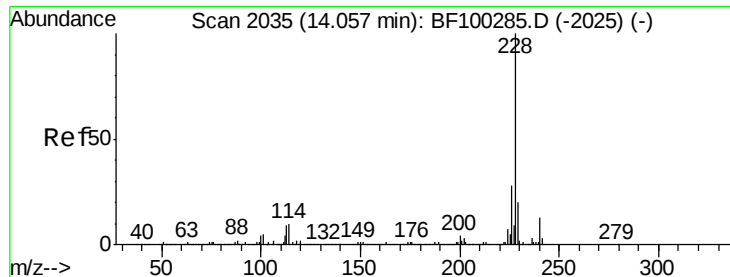


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

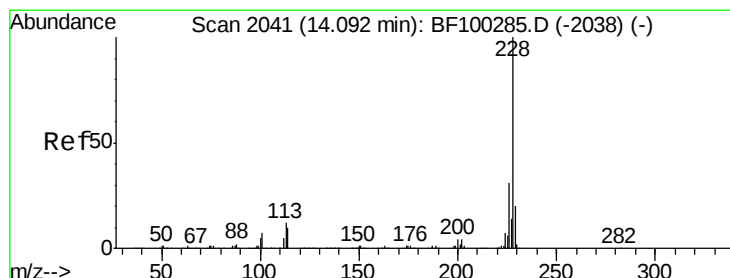
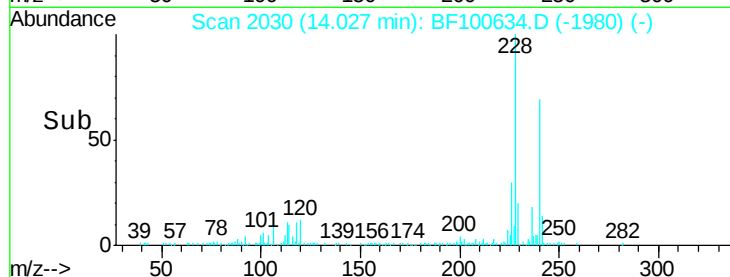
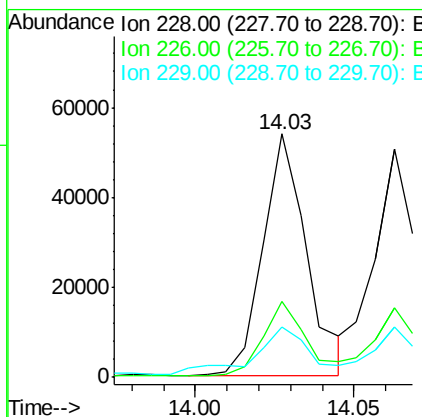
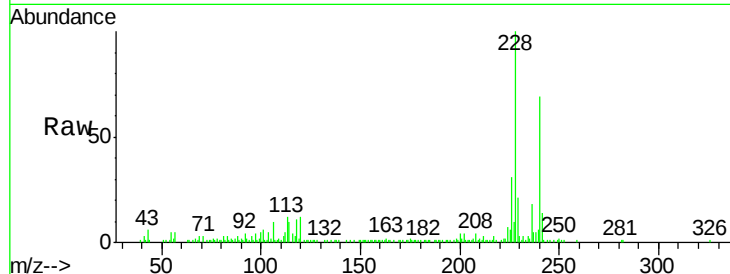




#80
Benzo(a)anthracene
Concen: 3.684 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

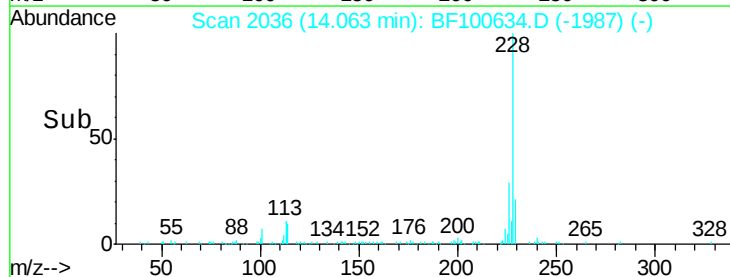
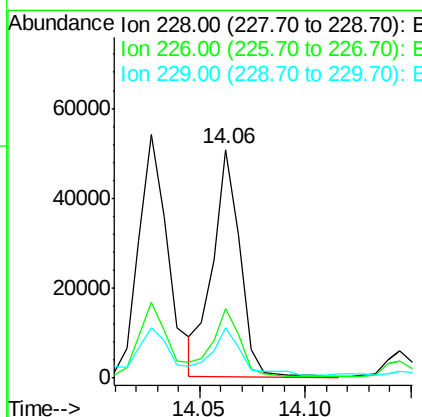
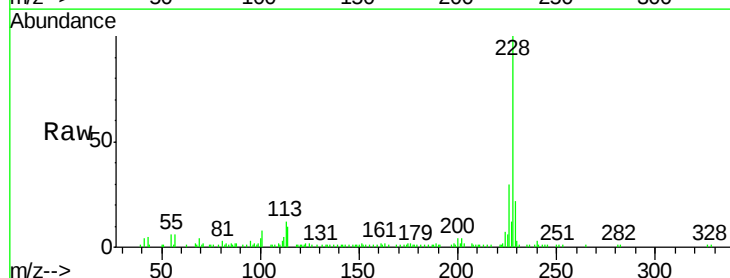
Instrument :
BNA_F
ClientSampleId :
PL-01-111317-B

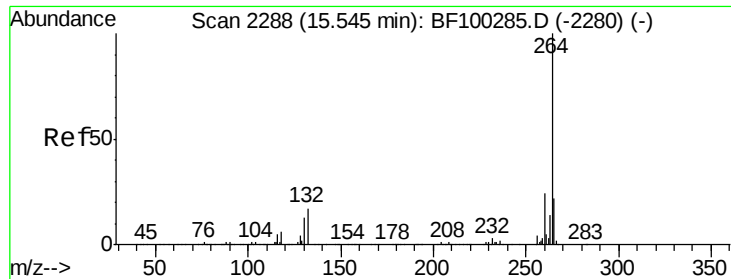
Tgt Ion:228 Resp: 51507
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 20.5 15.8 23.6



#82
Chrysene
Concen: 3.375 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

Tgt Ion:228 Resp: 45684
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.2 16.2 24.4

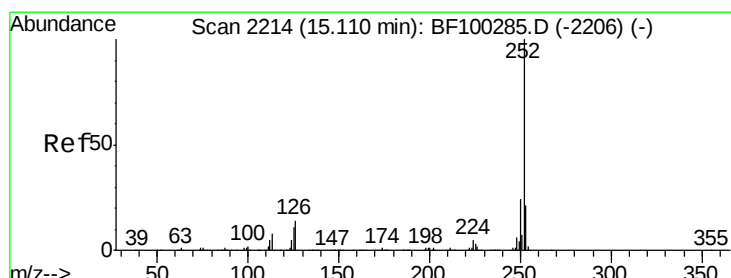
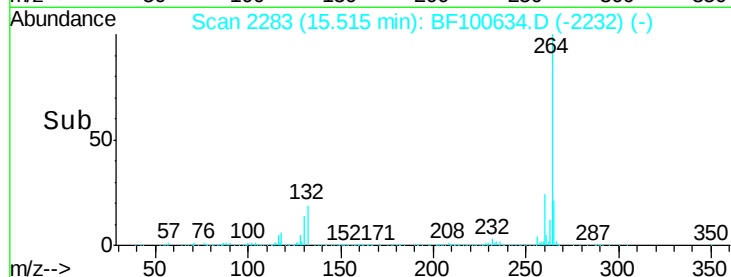
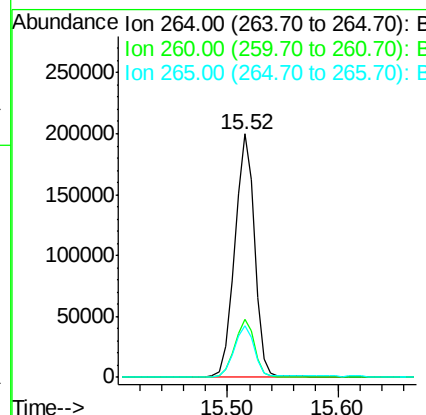
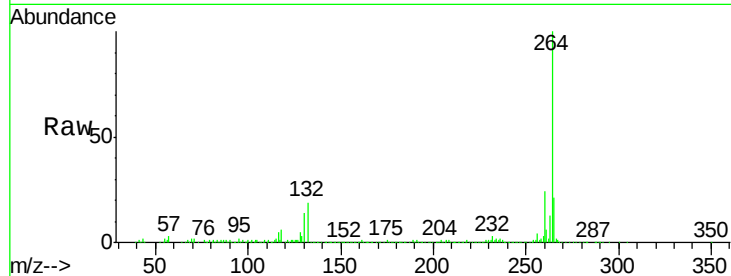




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

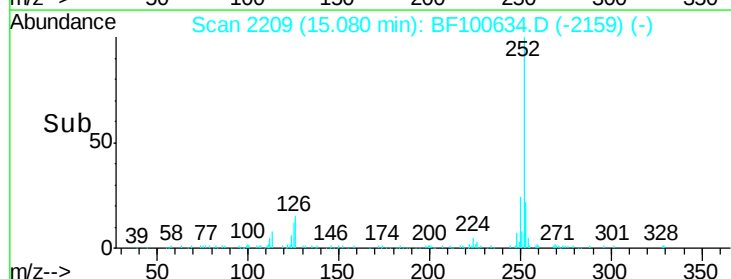
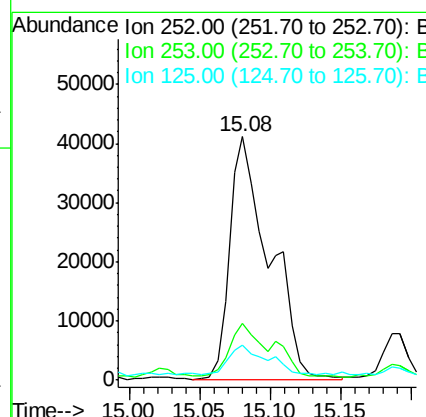
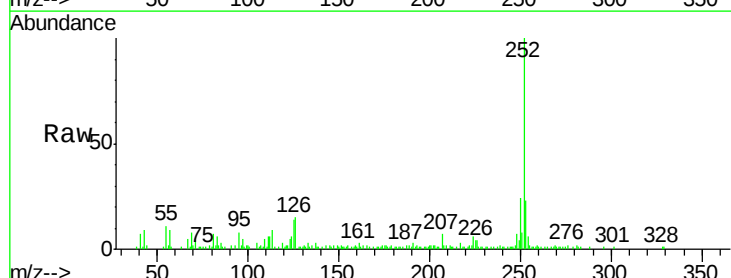
Instrument :
BNA_F
ClientSampleId :
PL-01-111317-B

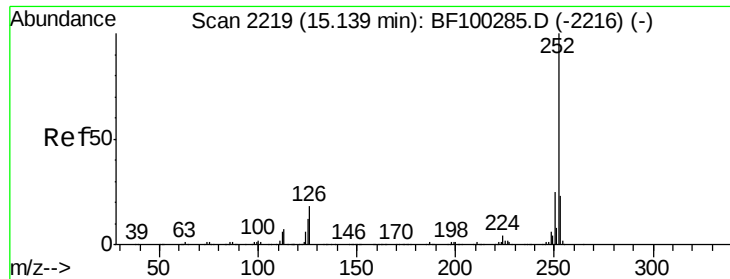
Tgt Ion:264 Resp: 253730
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.395 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

Tgt Ion:252 Resp: 81101
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 14.4 9.0 13.6#

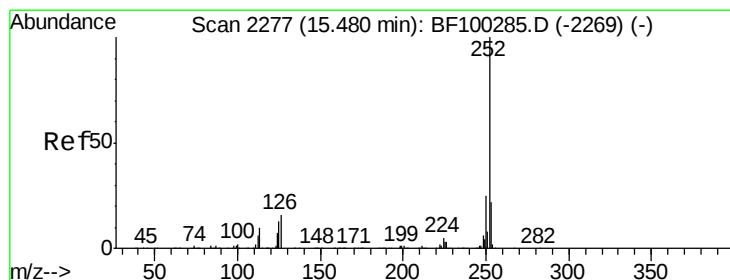
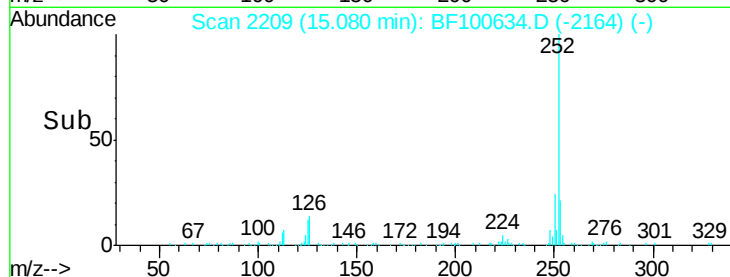
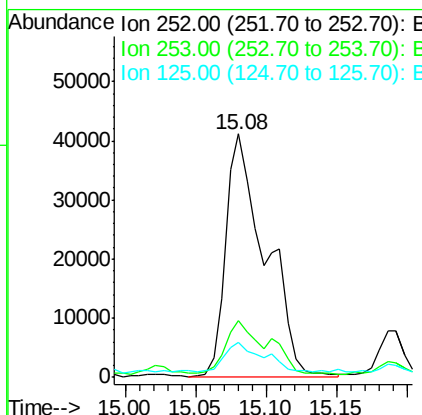
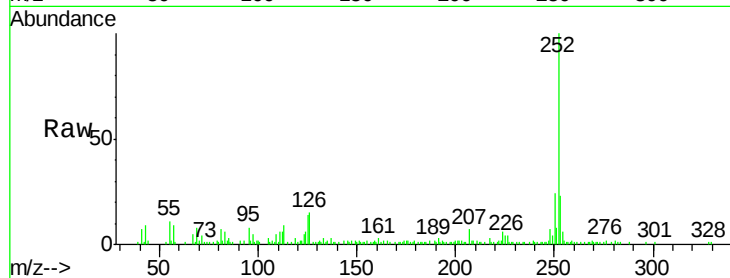




#88
Benzo(k)fluoranthene
Concen: 5.710 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-B

Tgt Ion:252 Resp: 81101
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 14.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.151 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100634.D
Acq: 16 Nov 2017 16:53

Tgt Ion:252 Resp: 41989
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 13.8 9.8 14.6

