

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
 Data File : BF107304.D
 Acq On : 11 Jul 2018 17:05
 Operator : JU/SJ
 Sample : J3933-03DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-3-6DL

Quant Time: Jul 11 17:31:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

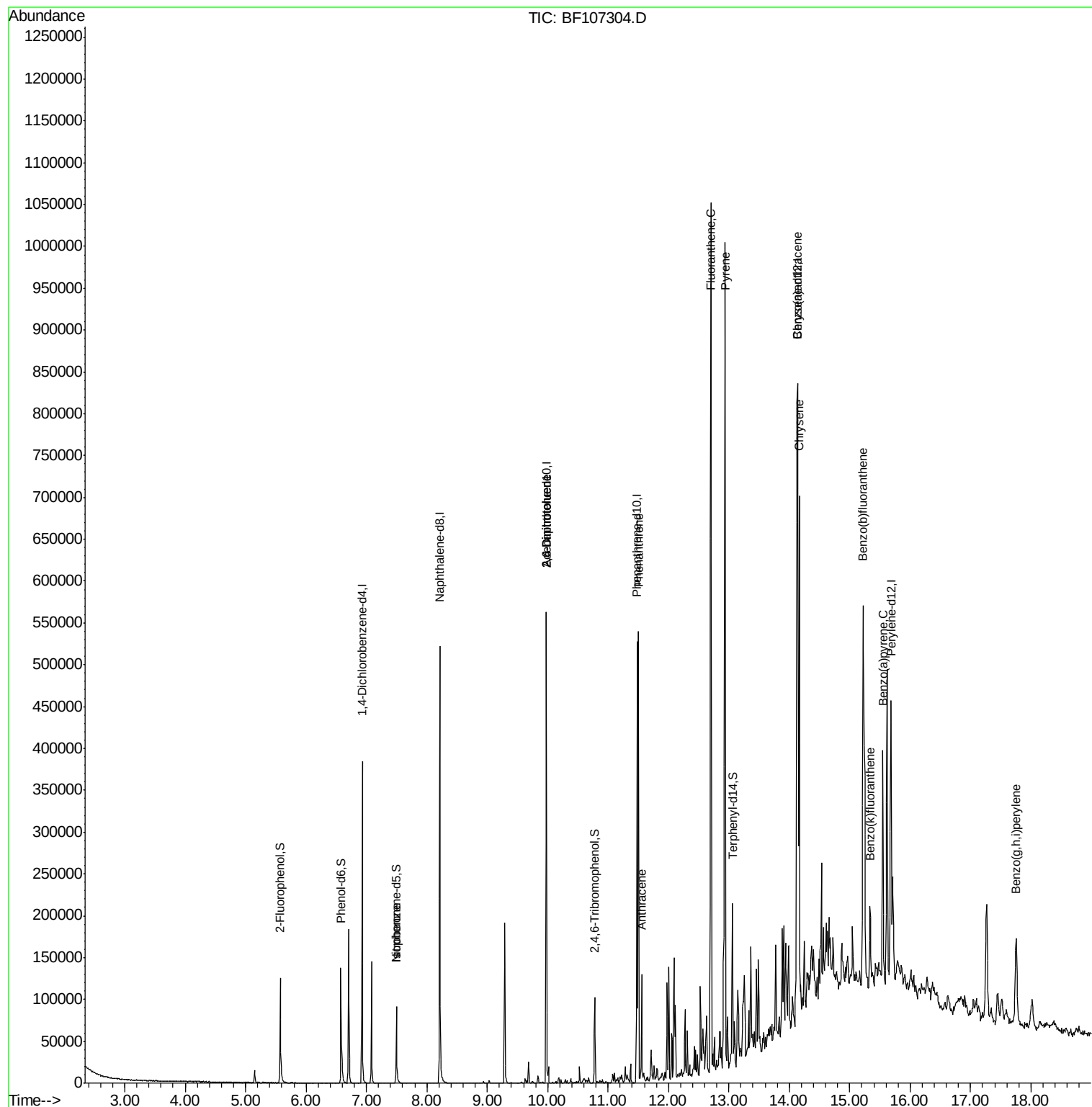
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	60801	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	237897	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	111898	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	191885	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	187424	20.00	ng	-0.03
86) Perylene-d12	15.68	264	170531	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	44966	12.52	ng	-0.03
7) Phenol-d6	6.58	99	58690	13.09	ng	-0.04
23) Nitrobenzene-d5	7.50	82	34842	8.14	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	13251	10.22	ng	-0.02
44) 2-Fluorobiphenyl	9.29	172	66887	-5.61	ng	-0.03
78) Terphenyl-d14	13.06	244	60002	7.75	ng	-0.02
Target Compounds						
25) Isophorone	7.50	82	34842	4.619	ng	# 64
50) 2,6-Dinitrotoluene	9.98	165	14467	8.141	ng	# 24
56) 2,4-Dinitrotoluene	9.98	165	14467	6.237	ng	# 21
70) Phenanthrene	11.50	178	190415	20.574	ng	99
71) Anthracene	11.55	178	47933	5.074	ng	99
74) Fluoranthene	12.70	202	409485	40.142	ng	95
77) Pyrene	12.94	202	433552	35.079	ng	99
80) Benzo(a)anthracene	14.13	228	264943	23.194	ng	98
82) Chrysene	14.17	228	243654	23.185	ng	98
87) Benzo(b)fluoranthene	15.22	252	377351	35.622	ng	96
88) Benzo(k)fluoranthene	15.34	252	43139	4.276	ng	95
89) Benzo(a)pyrene	15.55	252	138404	14.697	ng	99
91) Benzo(g,h,i)perylene	17.76	276	87659	11.237	ng	# 87

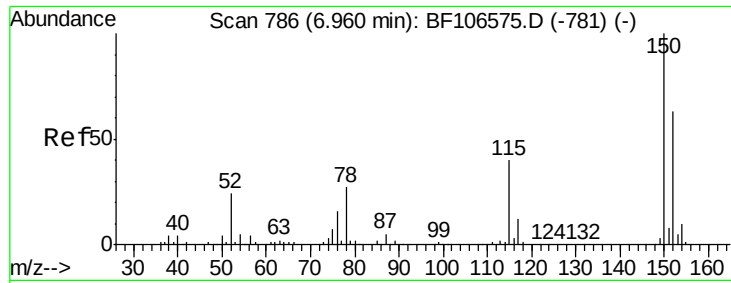
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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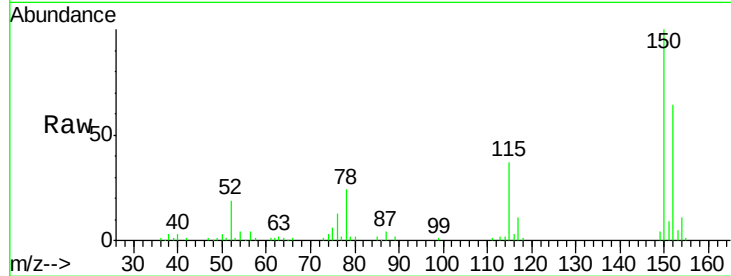


#1

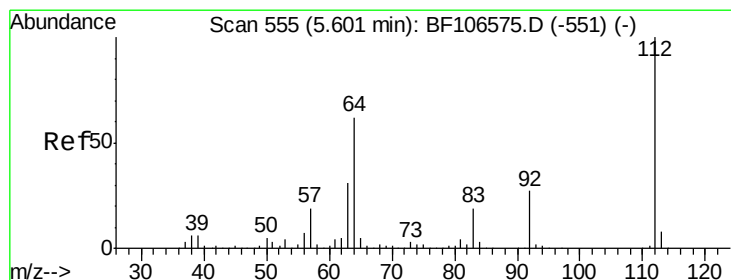
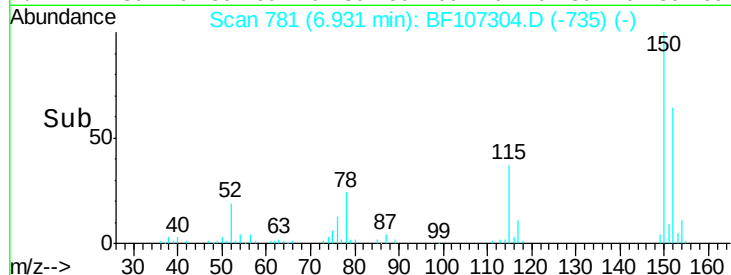
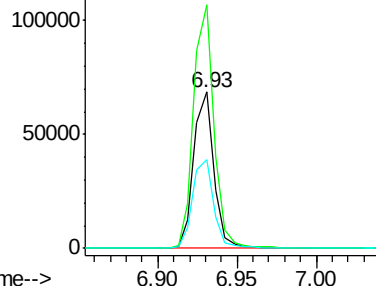
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampleId :
EP-3-6DL

Tgt Ion:152 Resp: 60801
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 57.0 50.1 75.1



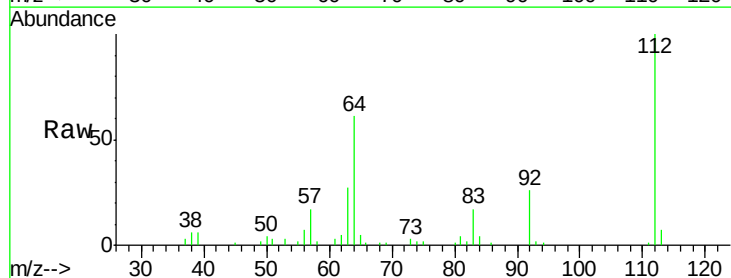
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



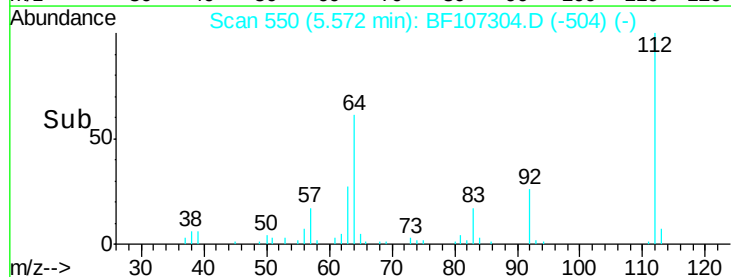
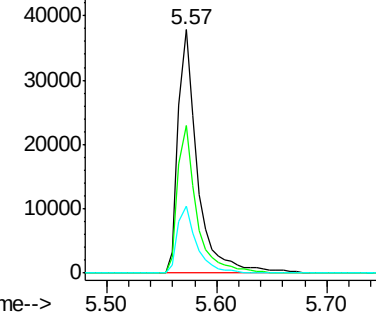
#5

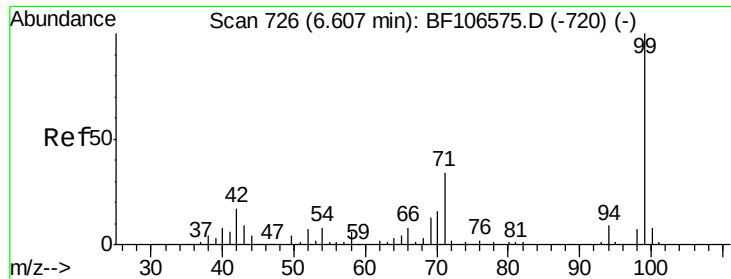
2-Fluorophenol
Concen: 12.523 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion:112 Resp: 44966
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 27.4 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: 13.089 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

ClientSampleId :

EP-3-6DL

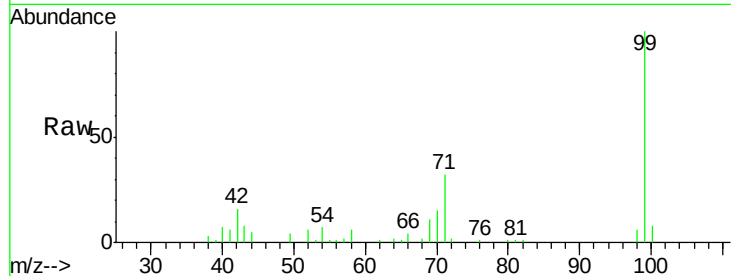
Tgt Ion: 99 Resp: 58690

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

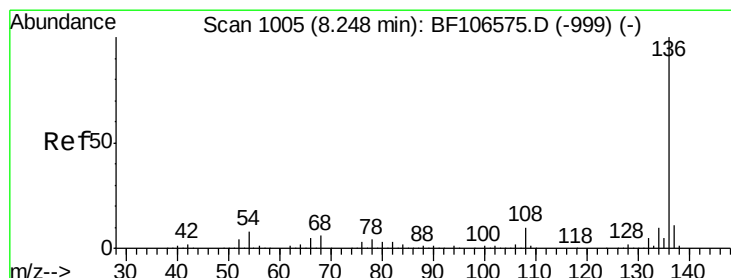
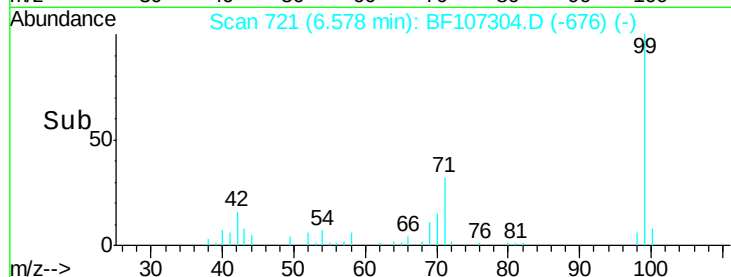
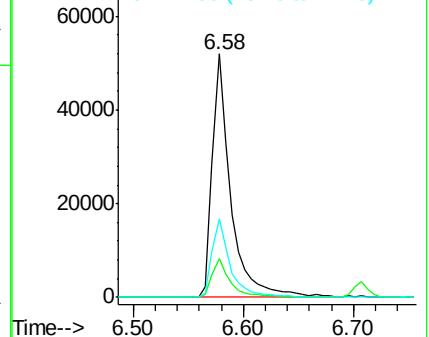
71 32.5 25.4 38.0



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. -0.04 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Tgt Ion: 136 Resp: 237897

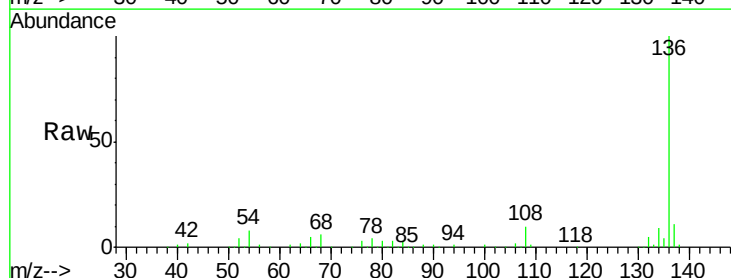
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.3 6.6 9.8

68 6.4 5.0 7.4

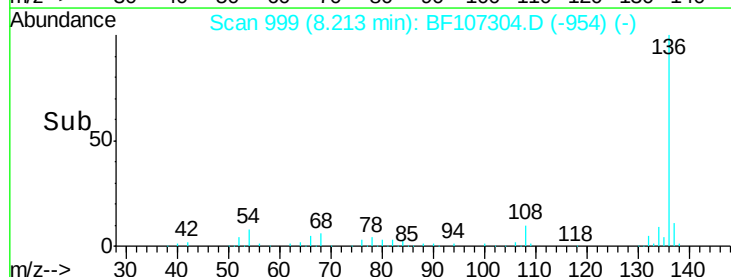
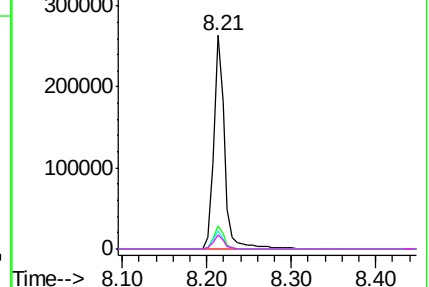


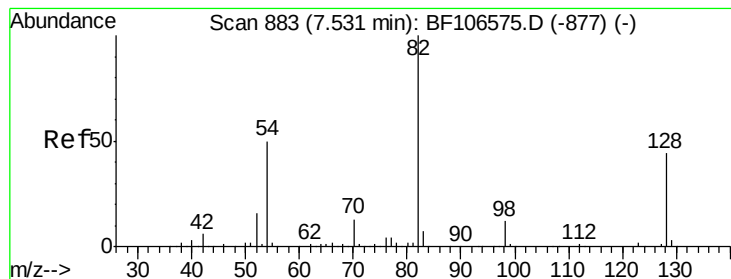
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.139 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.04 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

ClientSampleId :

EP-3-6DL

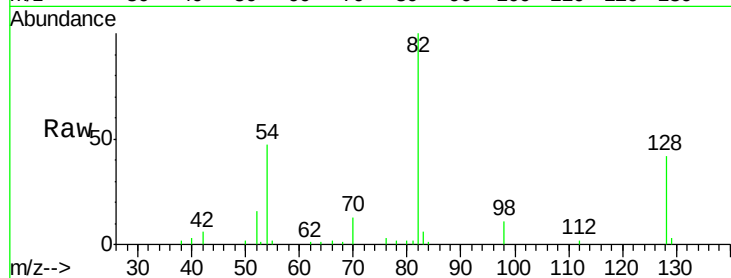
Tgt Ion: 82 Resp: 34842

Ion Ratio Lower Upper

82 100

128 41.7 36.1 54.1

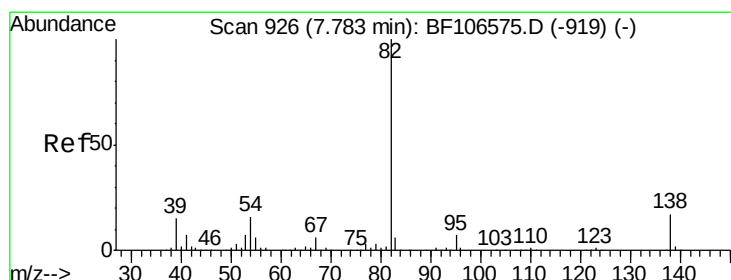
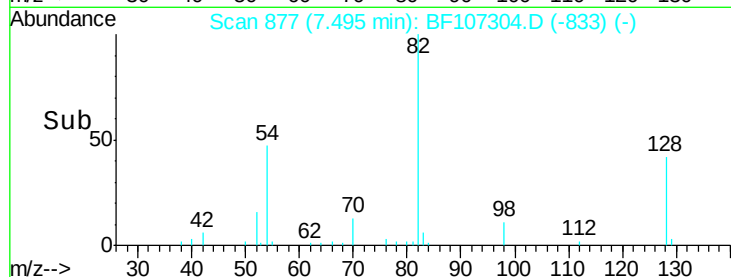
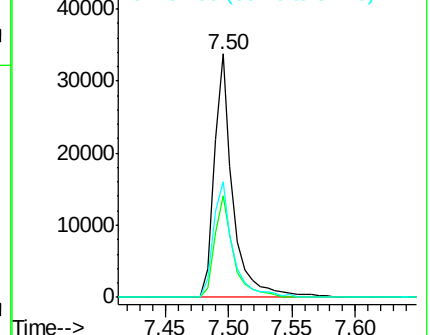
54 47.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 4.619 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.29 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

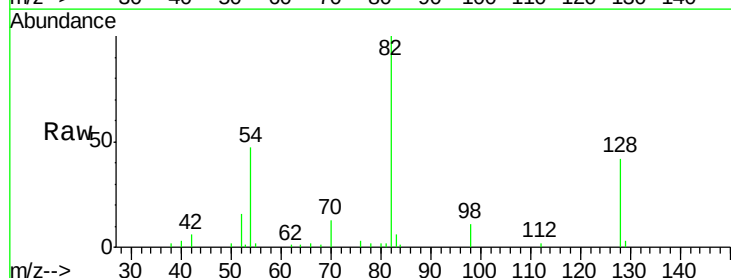
Tgt Ion: 82 Resp: 34842

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

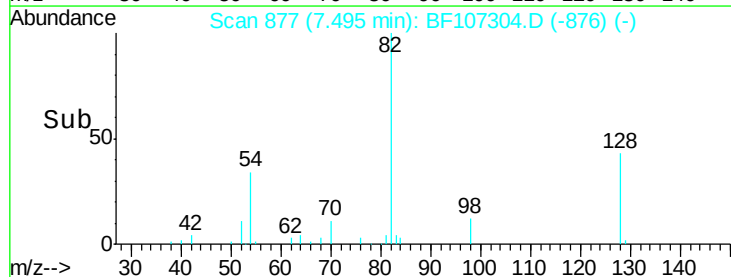
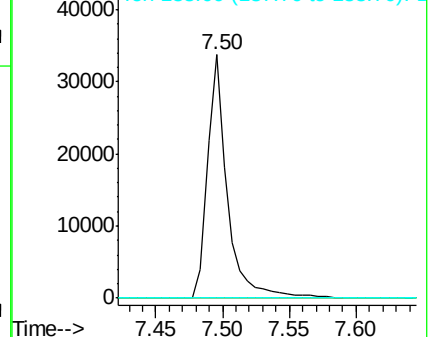
138 0.0 14.9 22.3#

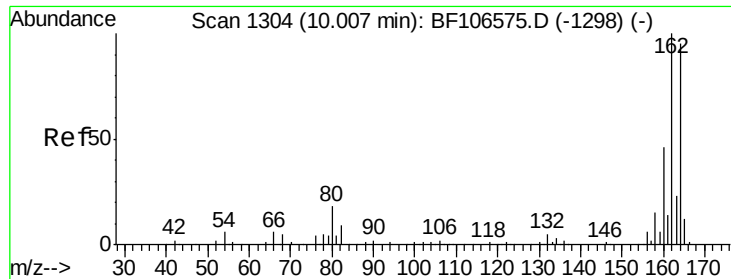


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

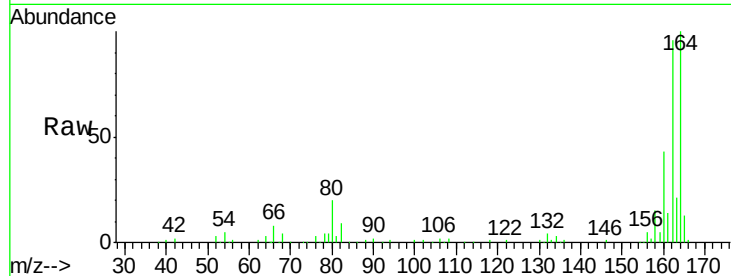




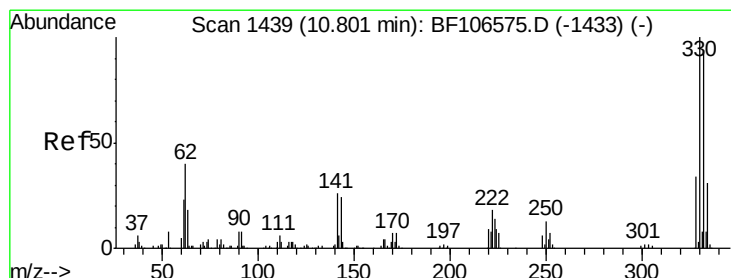
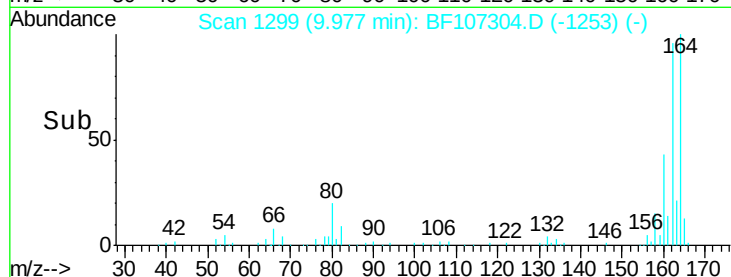
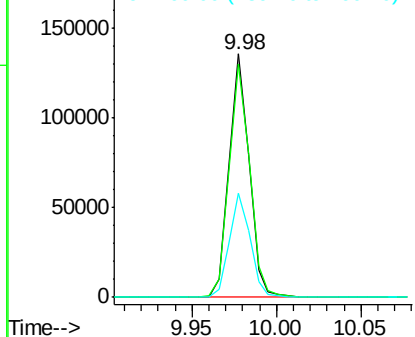
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.03 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

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EP-3-6DL

Tgt Ion:164 Resp: 111898
Ion Ratio Lower Upper
164 100
162 96.0 86.1 129.1
160 42.8 38.3 57.5

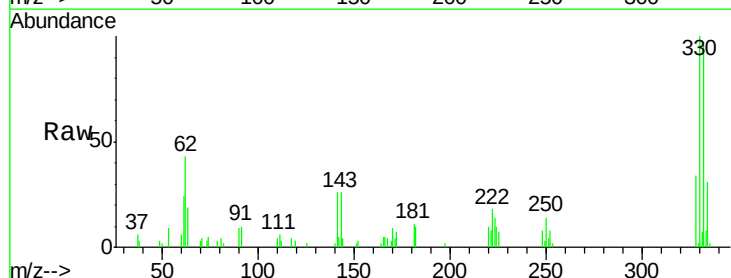


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

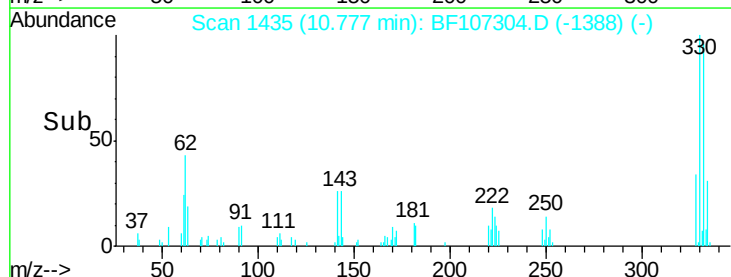
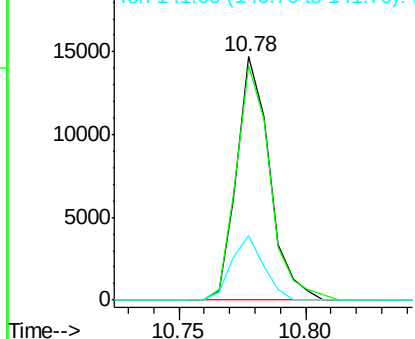


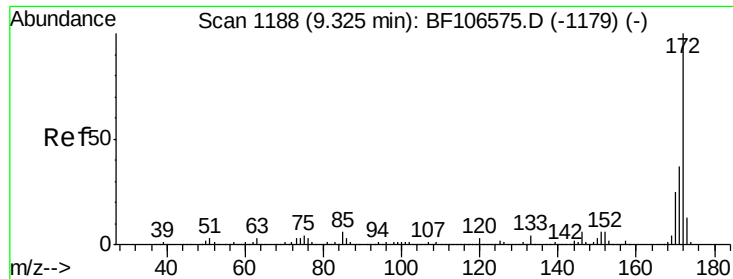
#41
2,4,6-Tribromophenol
Concen: 10.217 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion:330 Resp: 13251
Ion Ratio Lower Upper
330 100
332 99.6 77.0 115.6
141 25.8 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

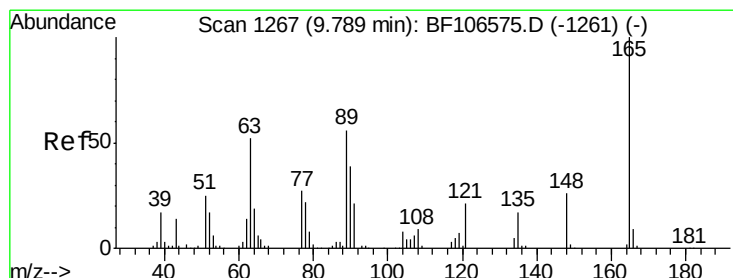
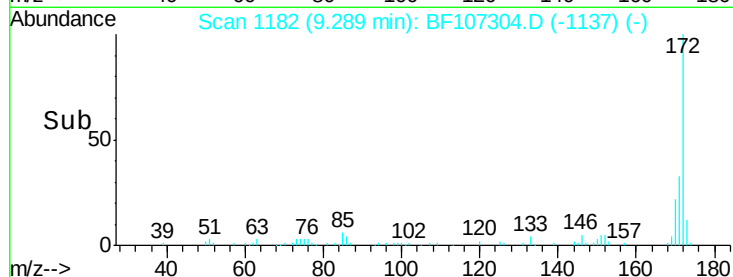
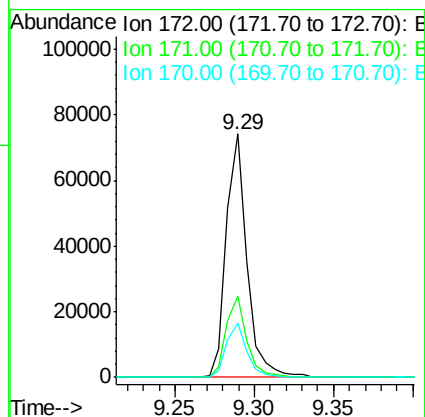
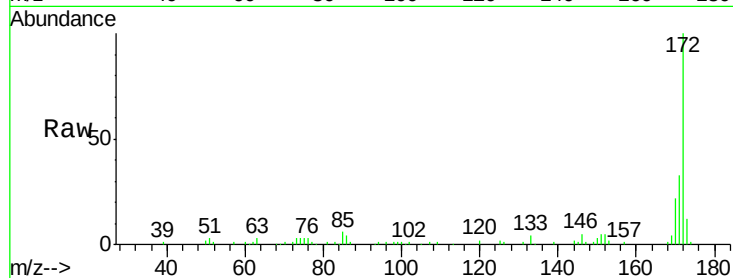




#44
 2-Fluorobiphenyl
 Concen: -5.606 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

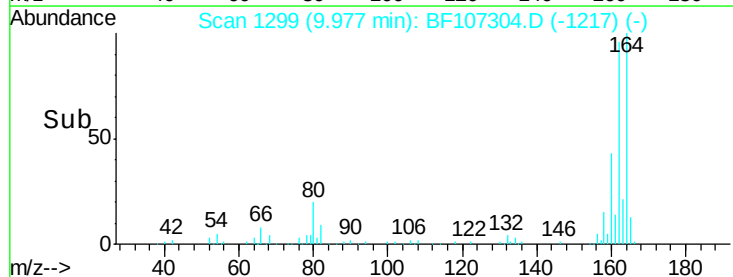
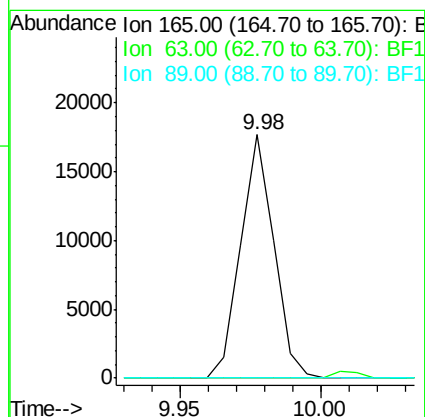
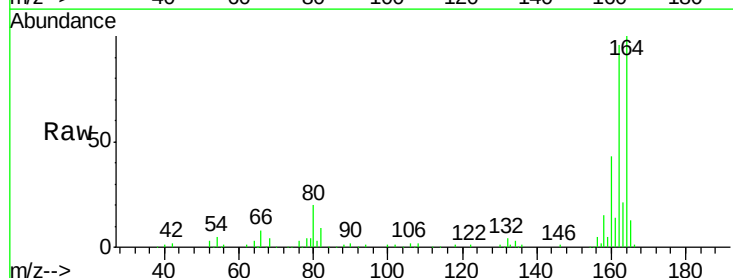
Instrument :
 BNA_F
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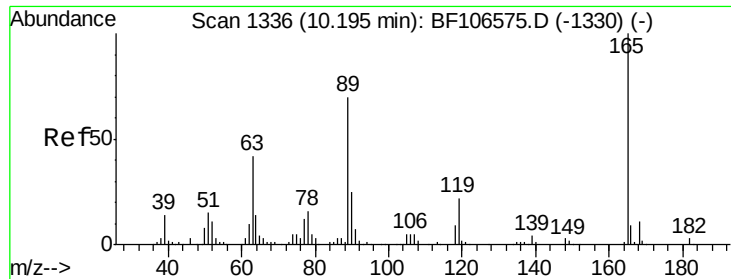
Tgt Ion:172 Resp: 66887
 Ion Ratio Lower Upper
 172 100
 171 33.1 29.7 44.5
 170 22.0 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.141 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. 0.18 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Tgt Ion:165 Resp: 14467
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

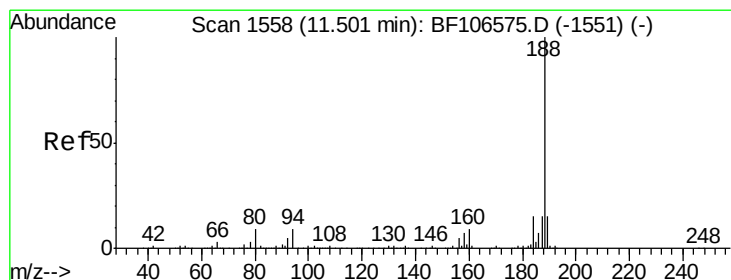
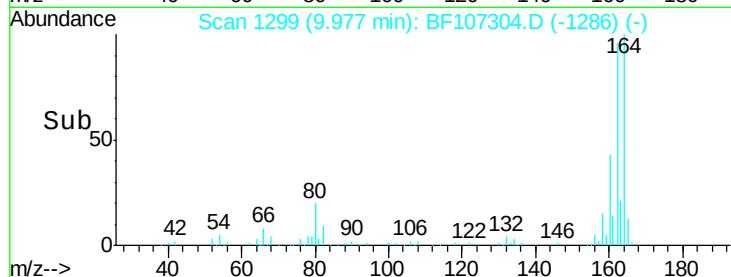
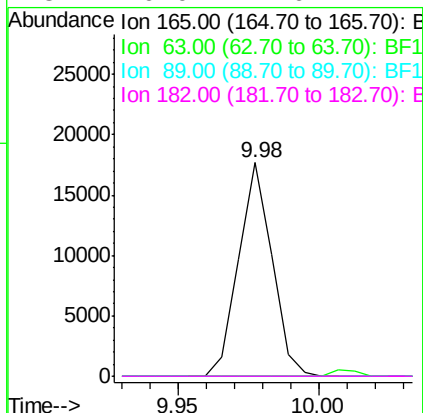
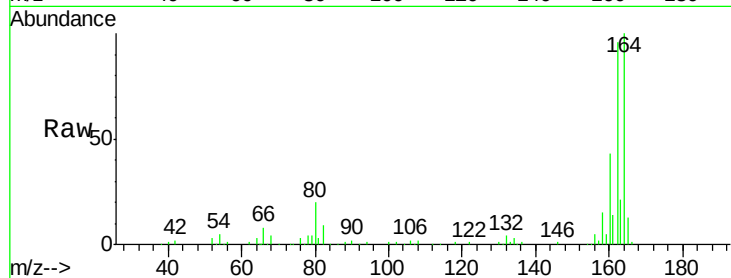




#56
 2,4-Dinitrotoluene
 Concen: 6.237 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.22 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

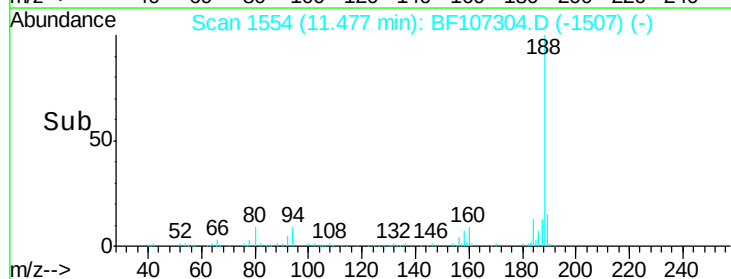
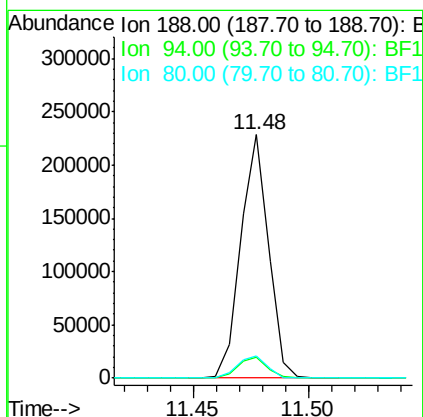
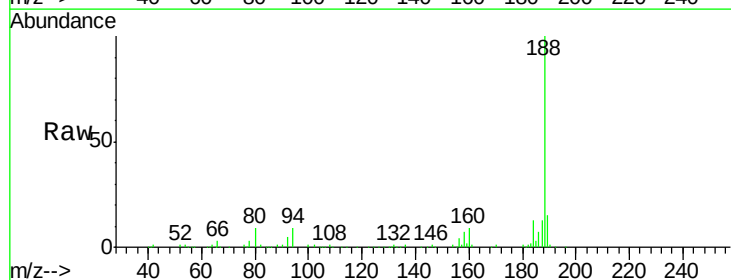
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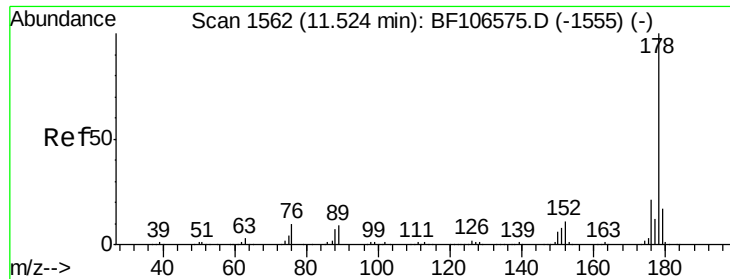
Tgt Ion:	165	Resp:	14467
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Tgt Ion:	188	Resp:	191885
Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.3	9.2	13.8





#70

Phenanthrene

Concen: 20.574 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.02 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

ClientSampleId :

EP-3-6DL

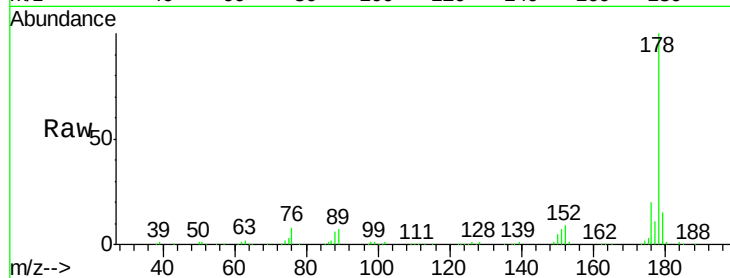
Tgt Ion:178 Resp: 190415

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

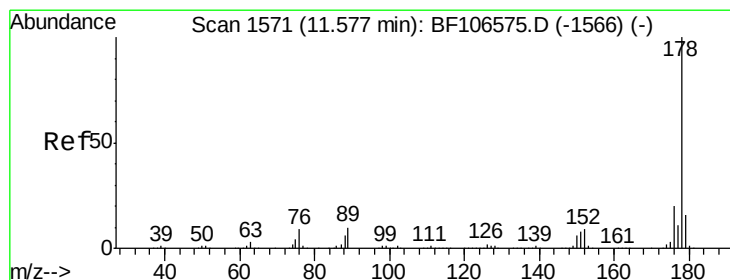
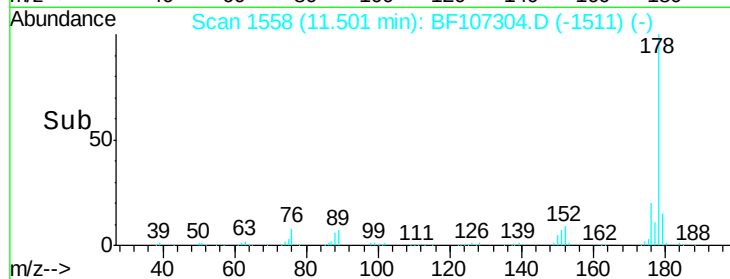
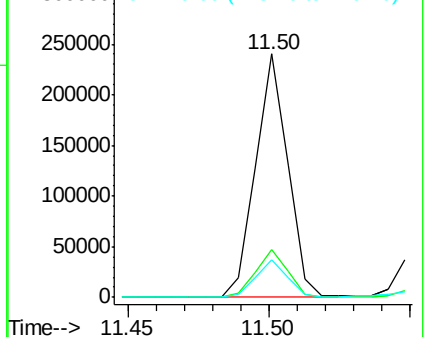
179 15.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 5.074 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

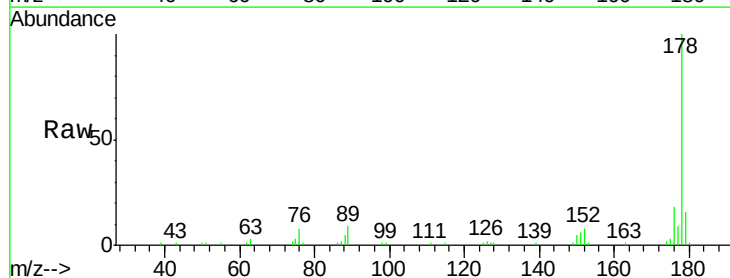
Tgt Ion:178 Resp: 47933

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

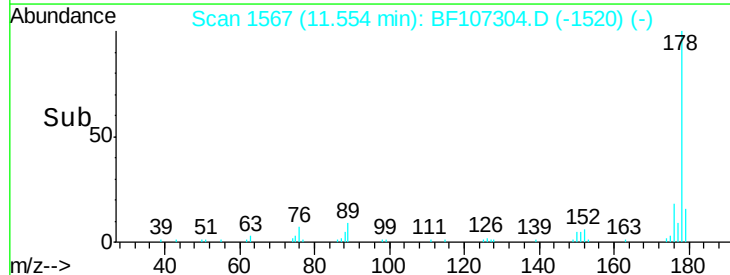
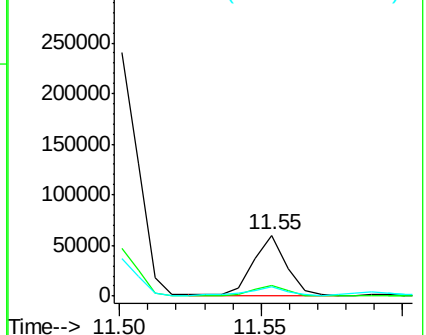
179 15.9 12.6 19.0

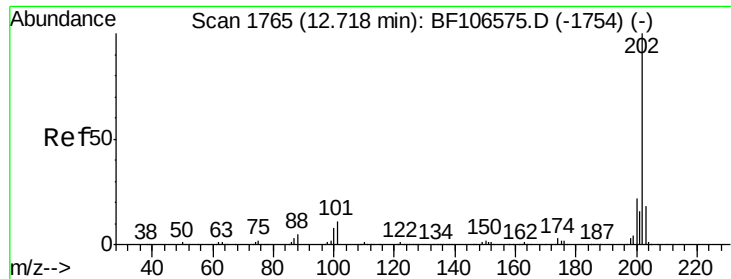


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 40.142 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

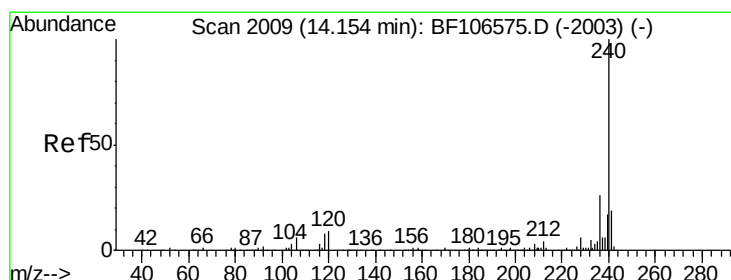
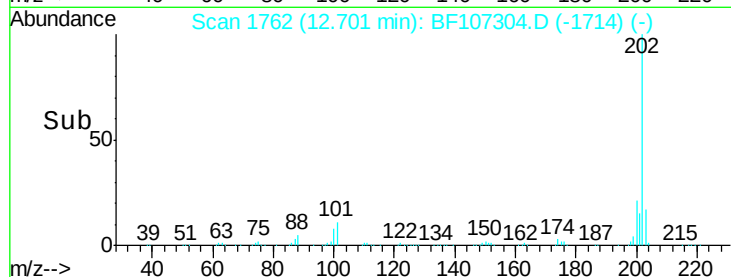
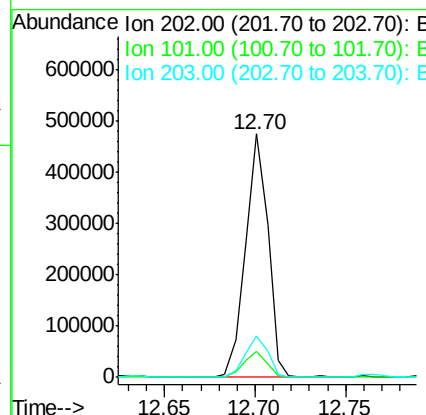
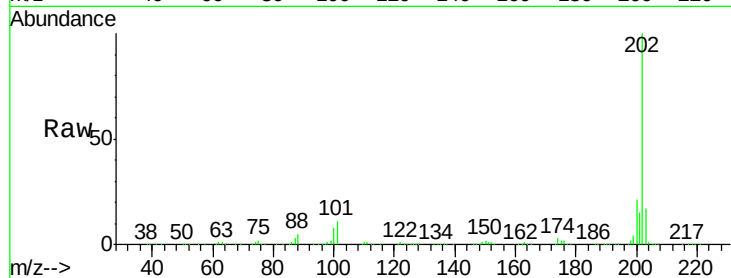
Instrument :

BNA_F

ClientSampleId :

EP-3-6DL

Tgt Ion:	202	Resp:	409485
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.2	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

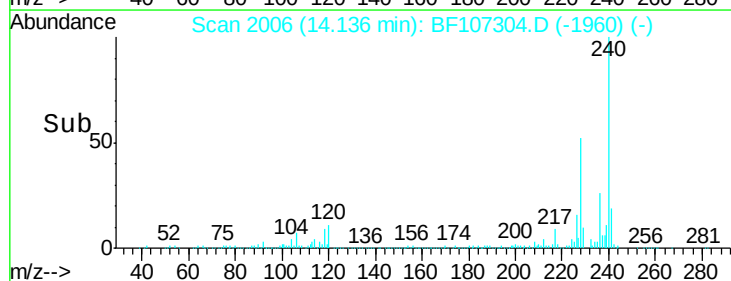
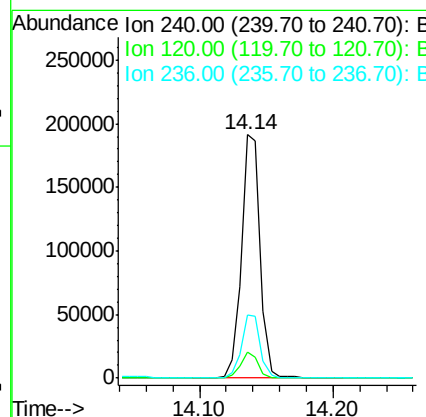
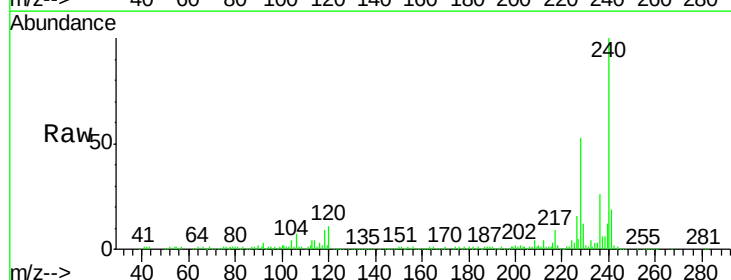
RT: 14.14 min Scan# 2006

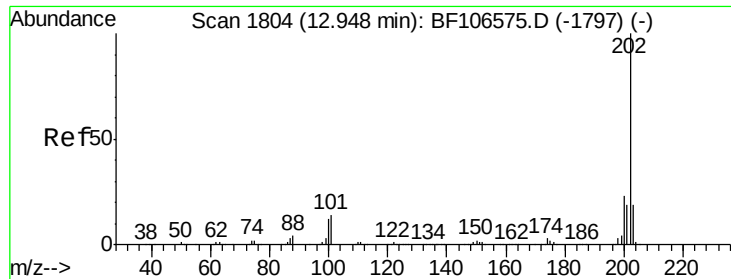
Delta R.T. -0.03 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Tgt Ion:	240	Resp:	187424
Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	25.8	20.7	31.1

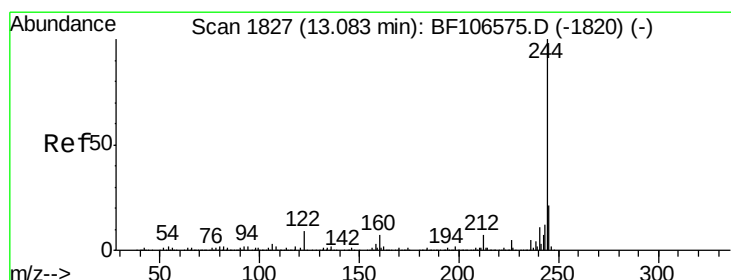
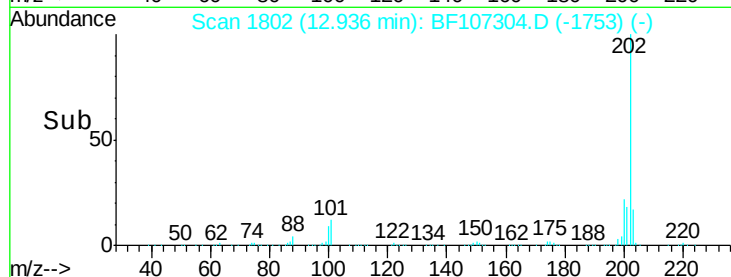
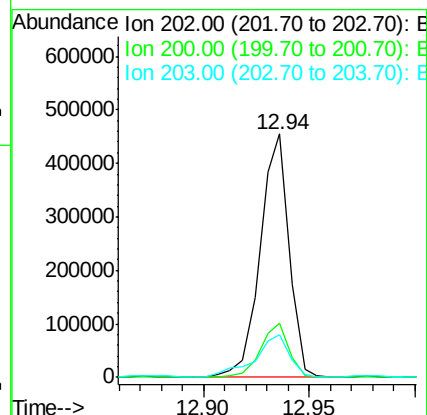
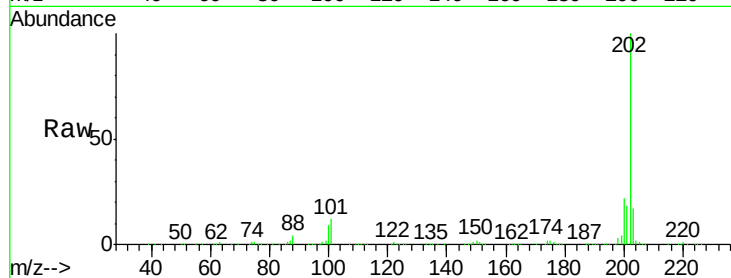




#77
 Pyrene
 Concen: 35.079 ng
 RT: 12.94 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

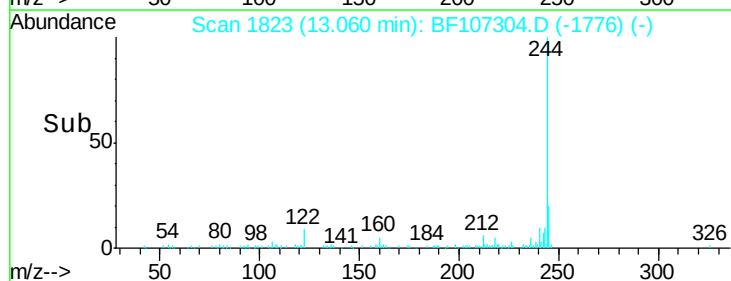
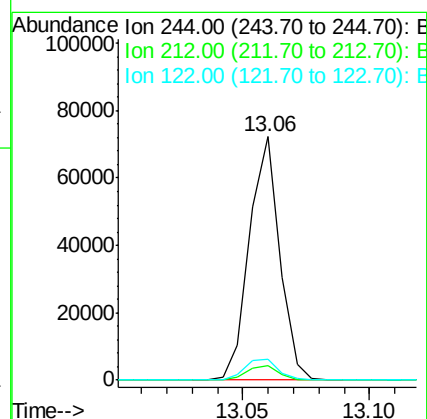
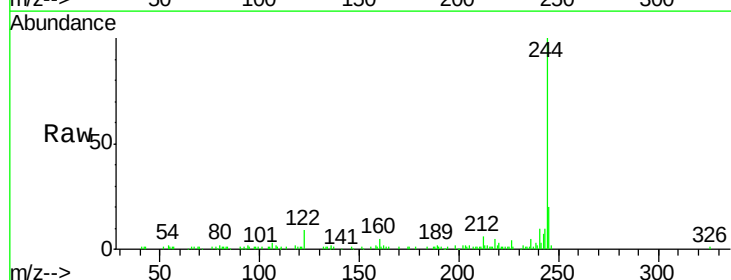
Instrument :
 BNA_F
 ClientSampleId :
 EP-3-6DL

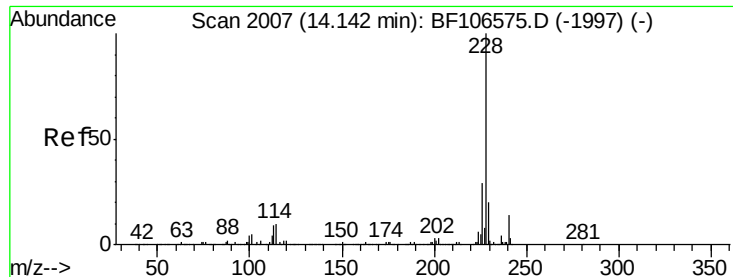
Tgt Ion: 202 Resp: 433552
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.4 26.2
 203 17.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 7.755 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Tgt Ion: 244 Resp: 60002
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 8.6 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 23.194 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

ClientSampleId :

EP-3-6DL

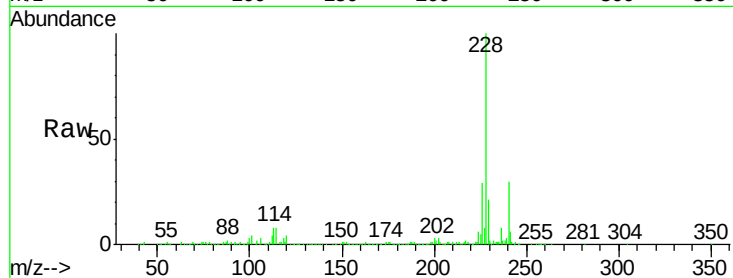
Tgt Ion:228 Resp: 264943

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

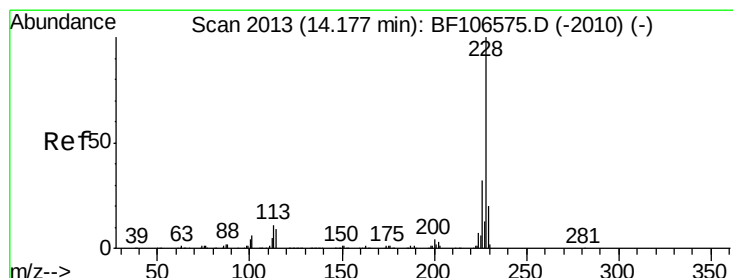
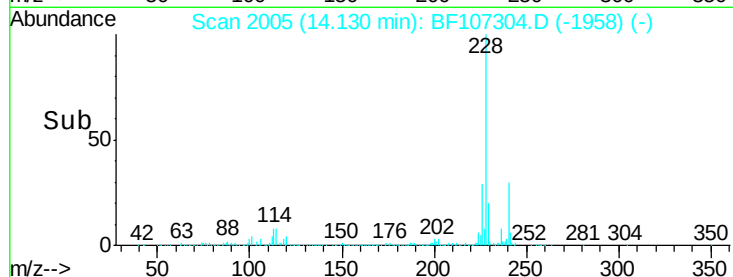
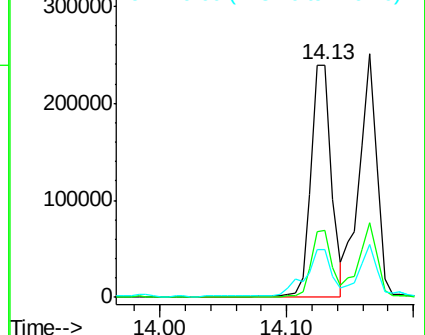
229 20.6 15.8 23.6



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: 23.185 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

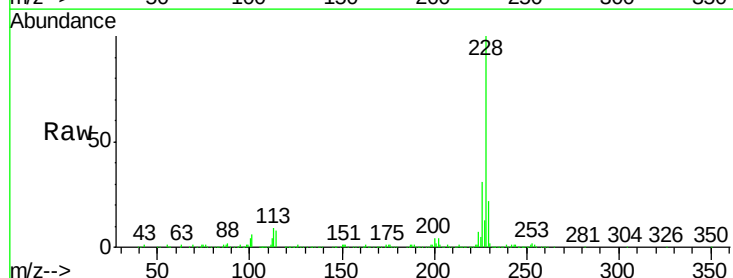
Tgt Ion:228 Resp: 243654

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

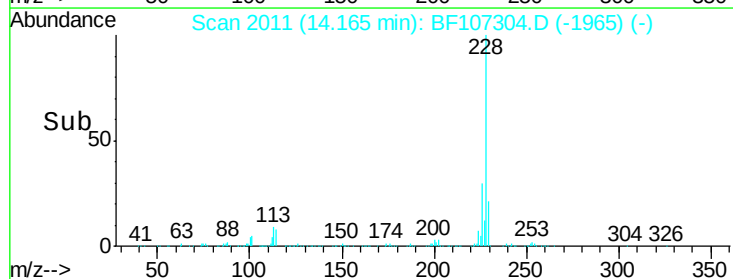
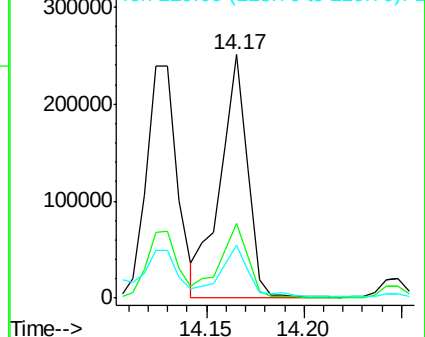
229 21.7 16.2 24.4

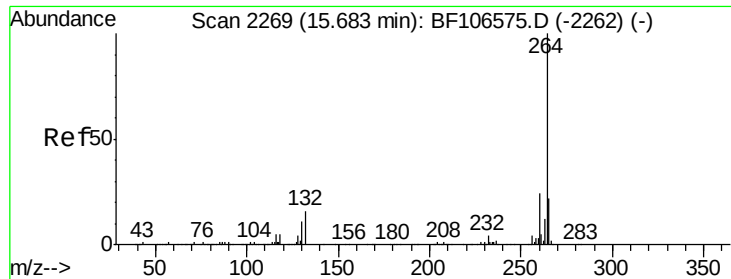


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

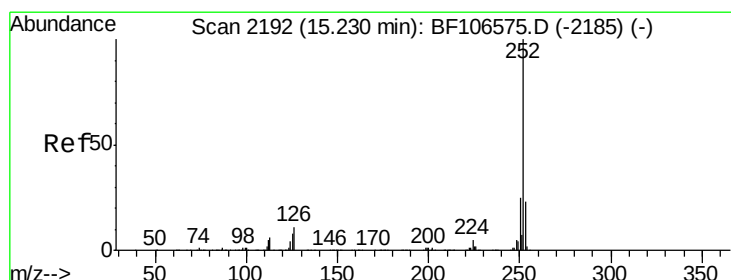
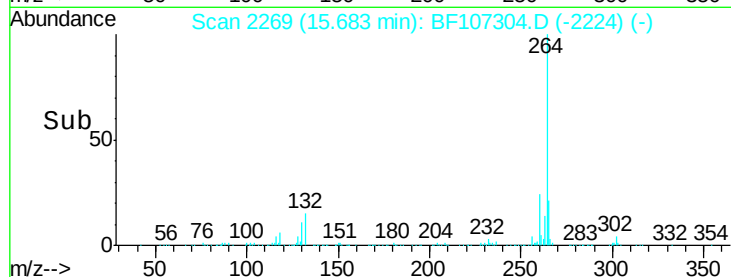
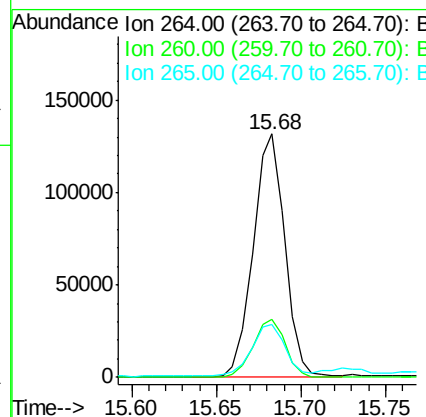
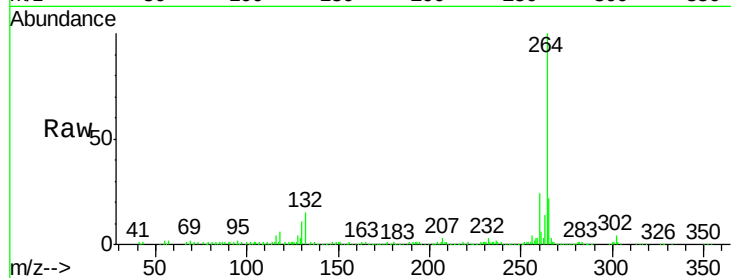




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

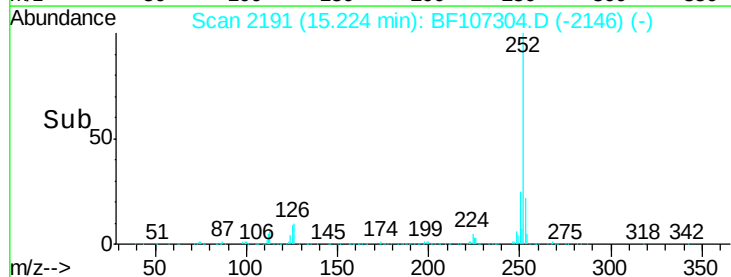
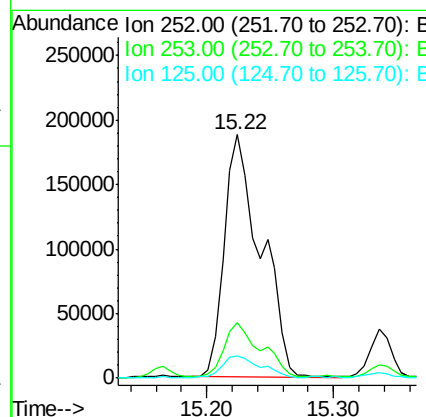
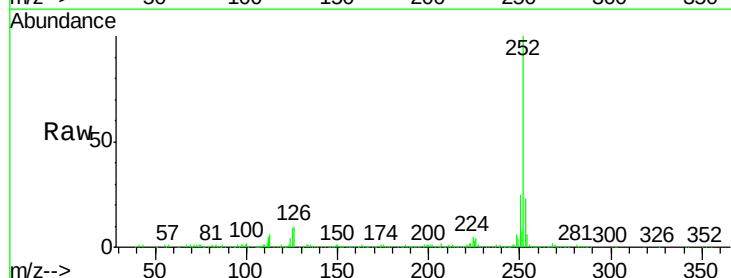
Instrument :
BNA_F
ClientSampleId :
EP-3-6DL

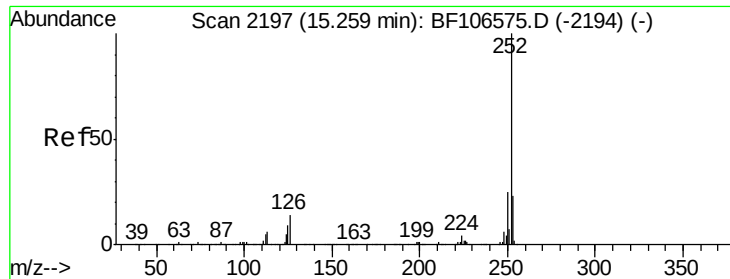
Tgt Ion:264 Resp: 170531
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 35.622 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion:252 Resp: 377351
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 9.2 9.0 13.6

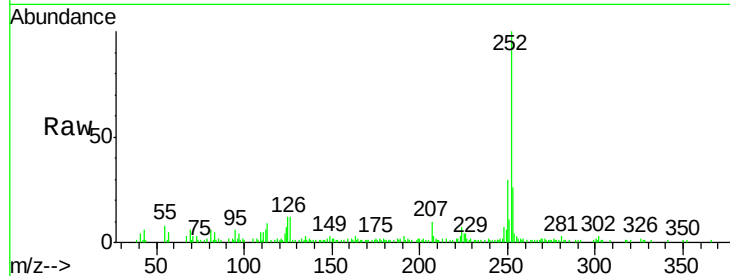




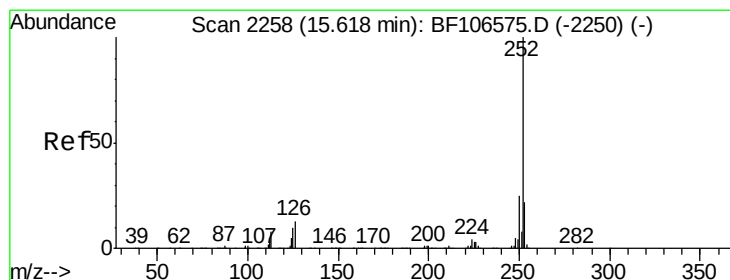
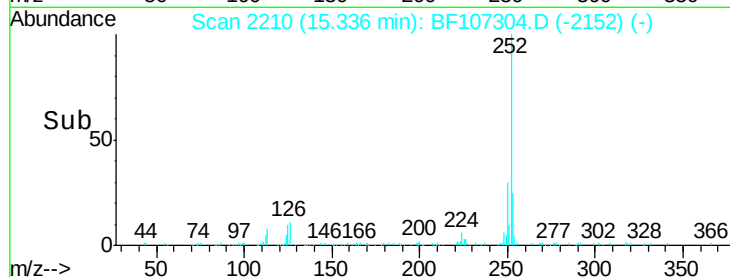
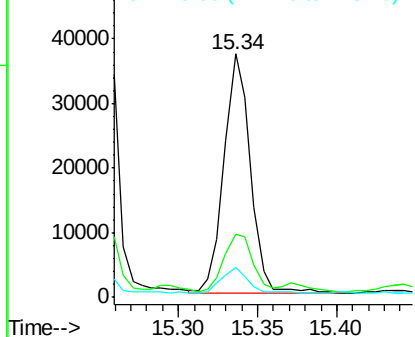
#88
Benzo(k)fluoranthene
Concen: 4.276 ng
RT: 15.34 min Scan# 2210
Delta R.T. 0.04 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampleId :
EP-3-6DL

Tgt Ion:252 Resp: 43139
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 12.1 10.2 15.2

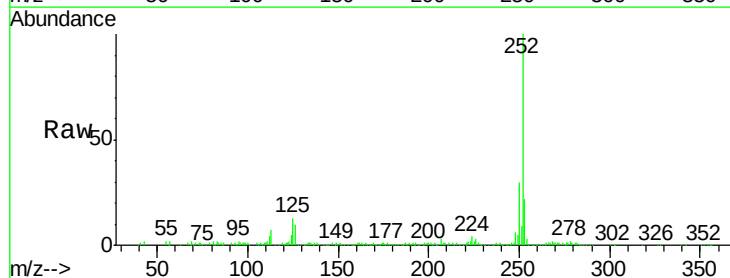


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

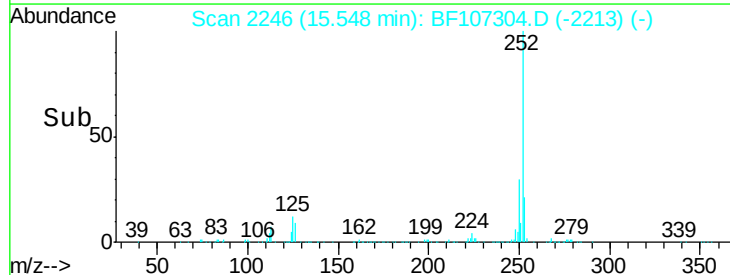
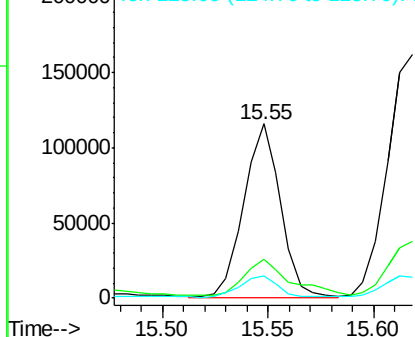


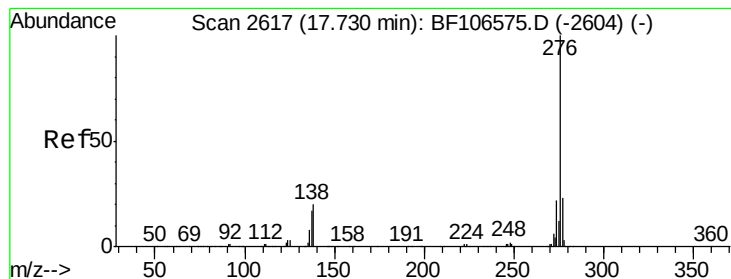
#89
Benzo(a)pyrene
Concen: 14.697 ng
RT: 15.55 min Scan# 2246
Delta R.T. -0.11 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion:252 Resp: 138404
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 12.6 9.8 14.6



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: 11.237 ng

RT: 17.76 min Scan# 2622

Delta R.T. -0.03 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

ClientSampleId :

EP-3-6DL

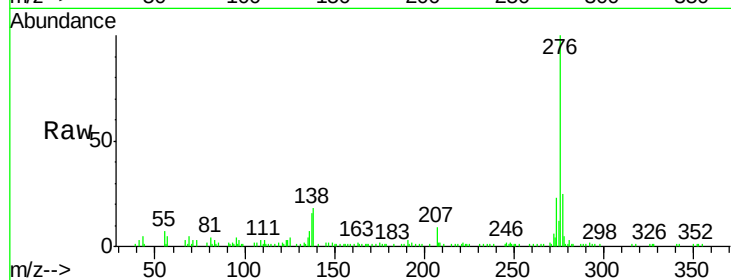
Tgt Ion:276 Resp: 87659

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 17.6 21.8 32.8#



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

