

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101172.D
 Acq On : 6 Dec 2017 17:18
 Operator : SJ/JU
 Sample : I6683-03 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-B

Quant Time: Dec 06 23:50:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	46339	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	177806	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	79343	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	131973	20.00	ng	0.00
75) Chrysene-d12	14.02	240	101822	20.00	ng	0.00
86) Perylene-d12	15.50	264	106419	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	28823	10.28	ng	0.00
7) Phenol-d6	6.47	99	33994	9.98	ng	0.00
23) Nitrobenzene-d5	7.41	82	20222	6.78	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	7284	7.64	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	46553	8.03	ng	-0.01
78) Terphenyl-d14	12.96	244	34456	7.40	ng	0.00

Target Compounds

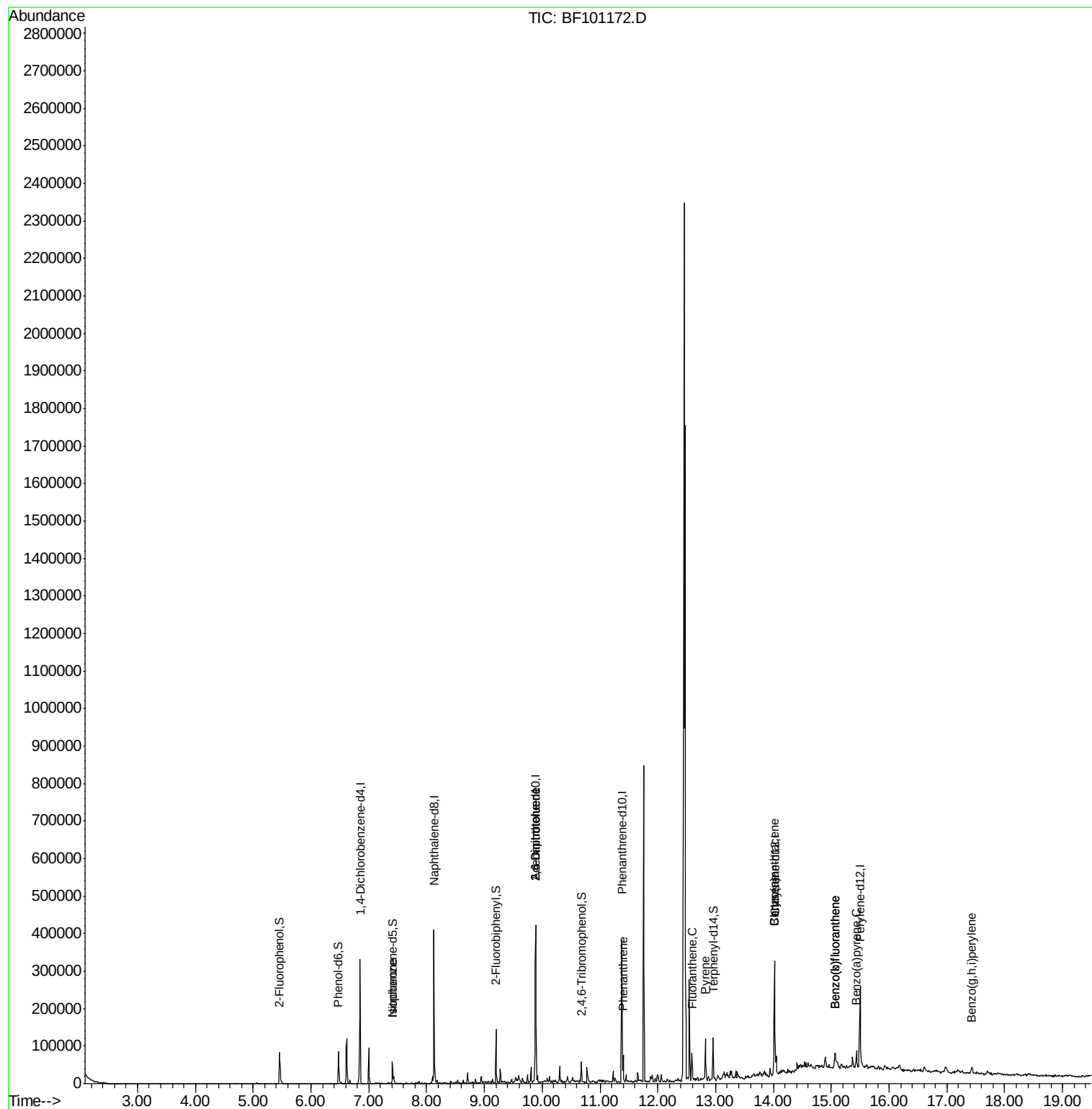
						Qvalue
25) Isophorone	7.41	82	20222	3.972	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	10156	7.536	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	10156	5.623	ng	# 21
70) Phenanthrene	11.40	178	25861	3.558	ng	99
74) Fluoranthene	12.59	202	26328	3.268	ng	92
77) Pyrene	12.82	202	39374	5.604	ng	98
80) Benzo(a)anthracene	14.01	228	17430	2.711	ng	91
82) Chrysene	14.01	228	17430	2.919	ng	95
87) Benzo(b)fluoranthene	15.06	252	27117	4.254	ng	95
88) Benzo(k)fluoranthene	15.06	252	27117	4.318	ng	98
89) Benzo(a)pyrene	15.43	252	20591	3.553	ng	97
91) Benzo(a,h,i)perylene	17.43	276	13015	2.703	ng	# 85

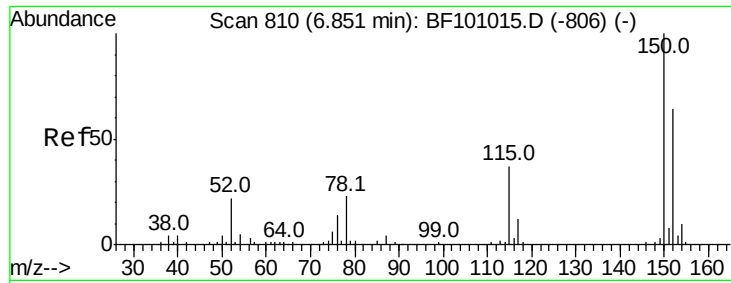
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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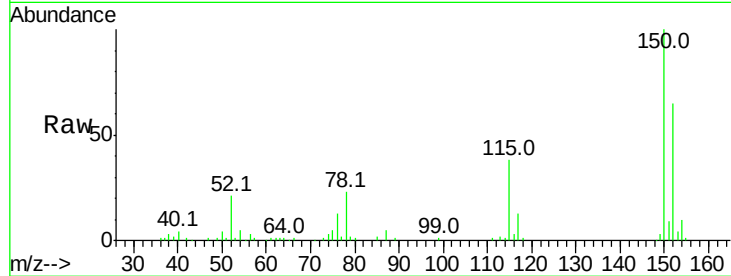


#1

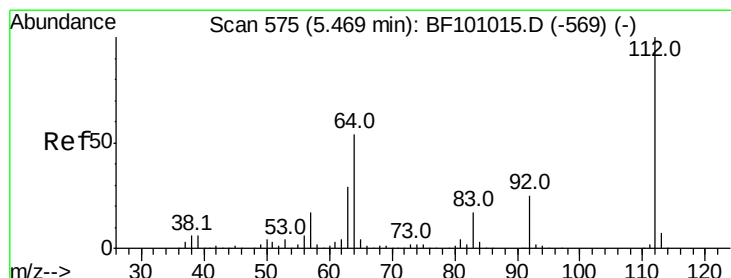
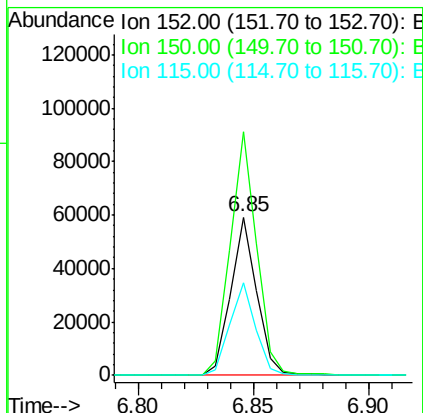
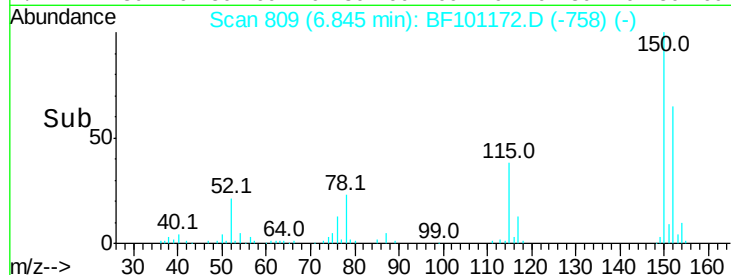
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-B

Tot Ion:152 Resp: 46339
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 58.4 50.1 75.1



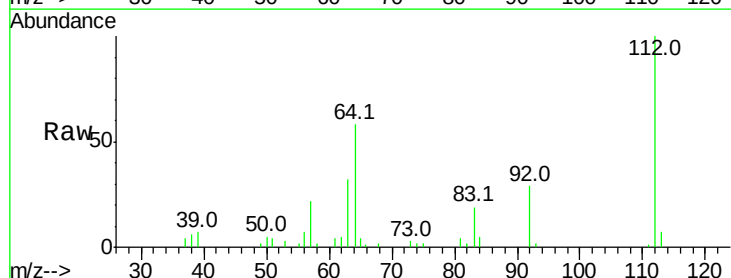
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



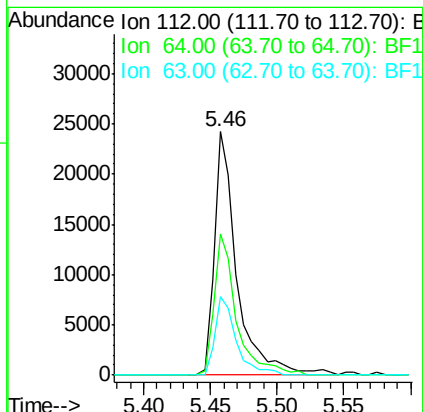
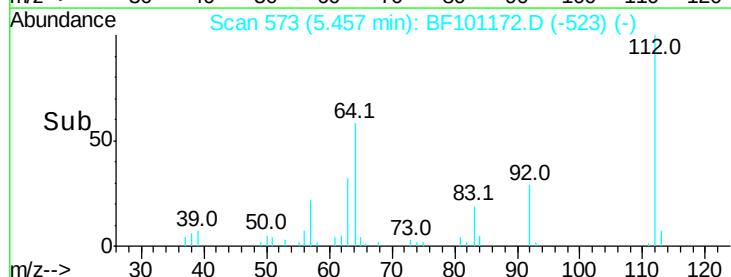
#5

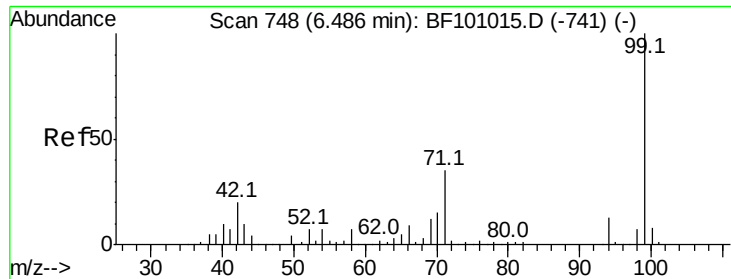
2-Fluorophenol
Concen: 10.278 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Tgt Ion:112 Resp: 28823
Ion Ratio Lower Upper
112 100
64 58.2 47.9 71.9
63 32.4 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: 9.985 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-B

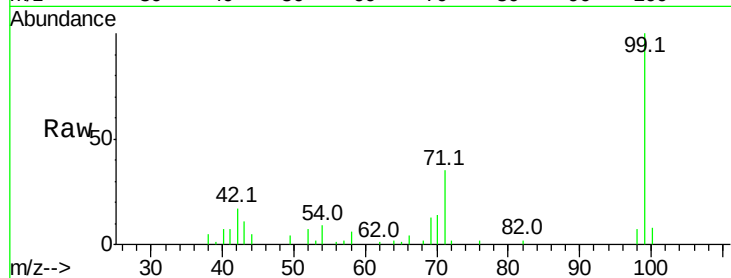
Tot Ion: 99 Resp: 33994

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

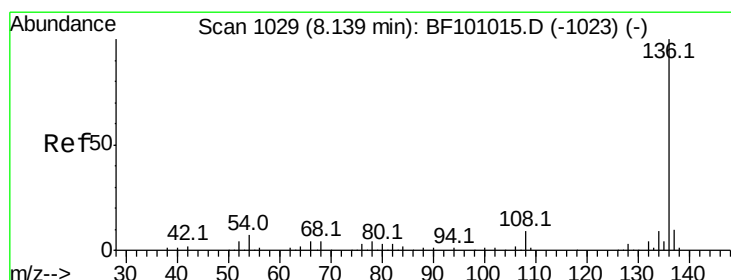
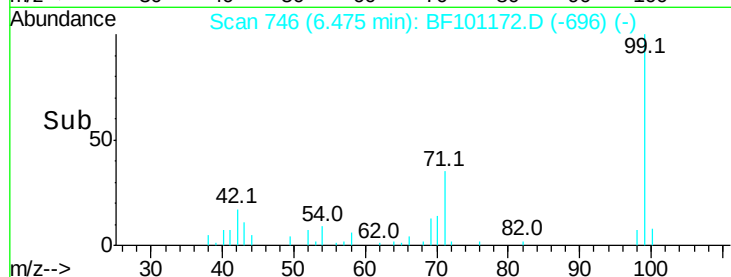
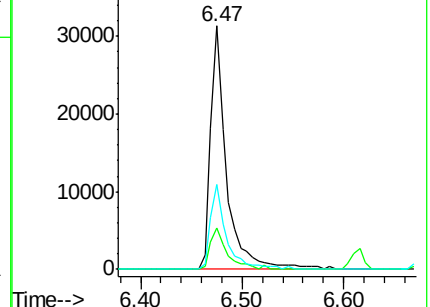
71 34.6 25.4 38.0



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Tgt Ion: 136 Resp: 177806

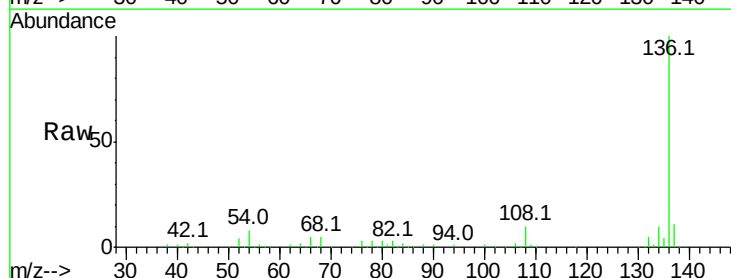
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.8 6.6 9.8

68 5.1 5.0 7.4

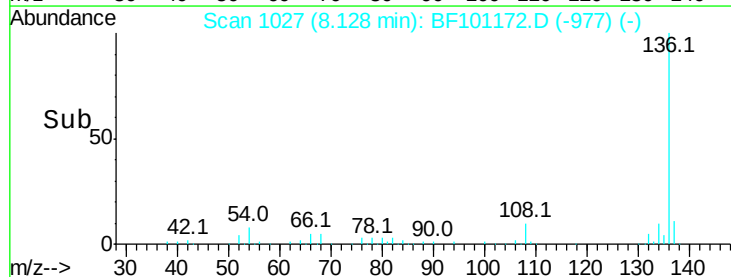
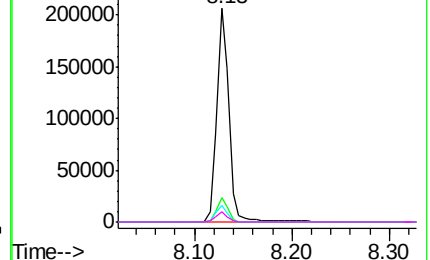


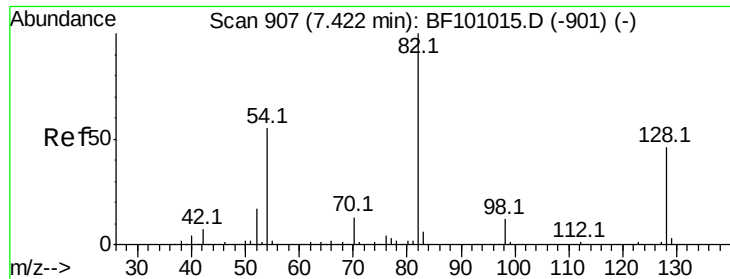
Abundance Ion 136.00 (135.70 to 136.70): E

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

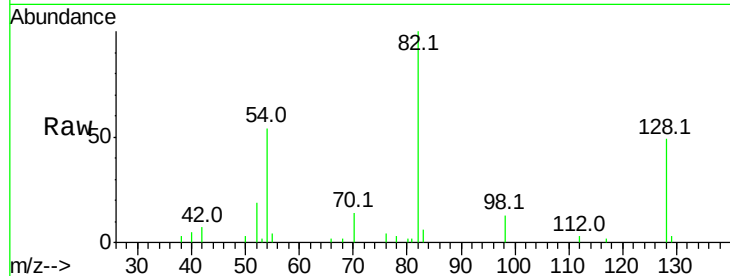




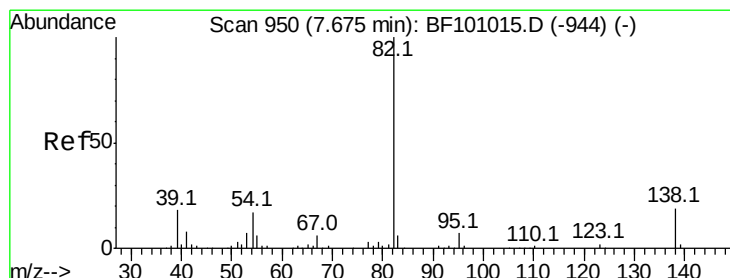
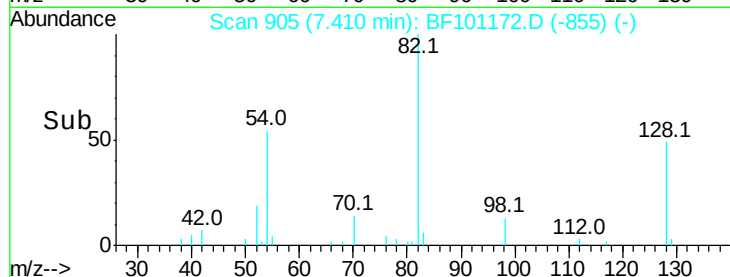
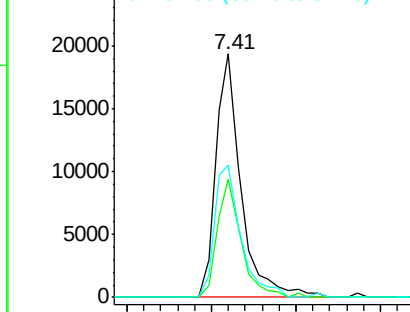
#23
Nitrobenzene-d5
Concen: 6.784 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-B

Tot Ion	82	Resp	20222
Ion Ratio	100	Lower	Upper
128	48.8	36.1	54.1
54	54.2	41.4	62.2

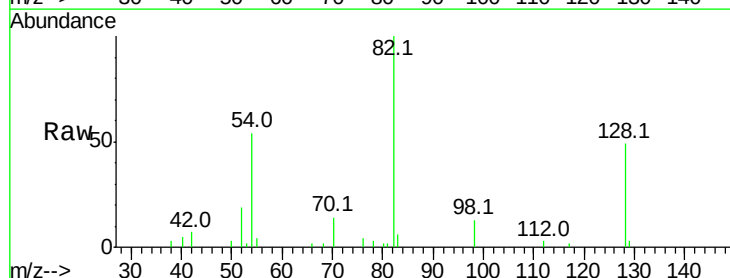


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

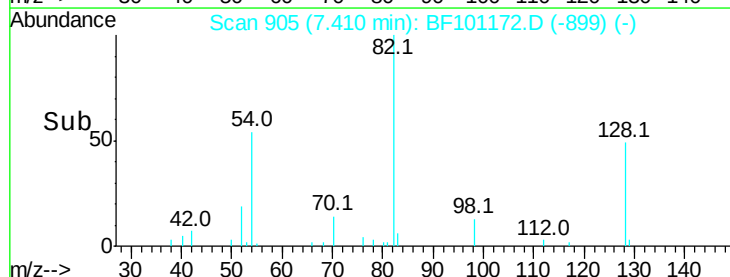
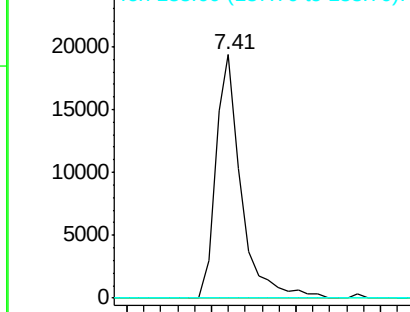


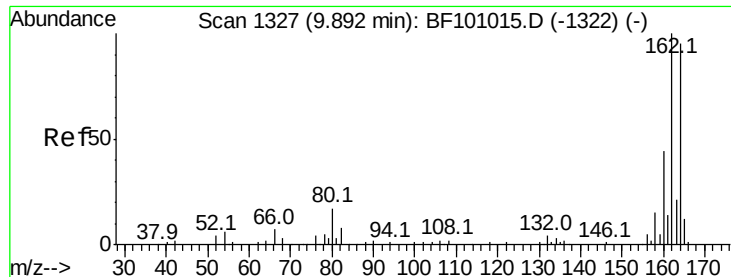
#25
Isophorone
Concen: 3.972 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Tgt Ion	82	Resp	20222
Ion Ratio	100	Lower	Upper
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

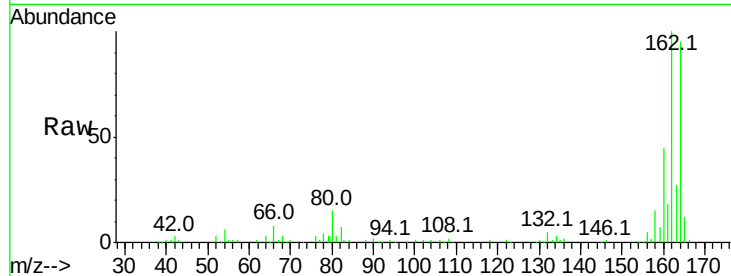




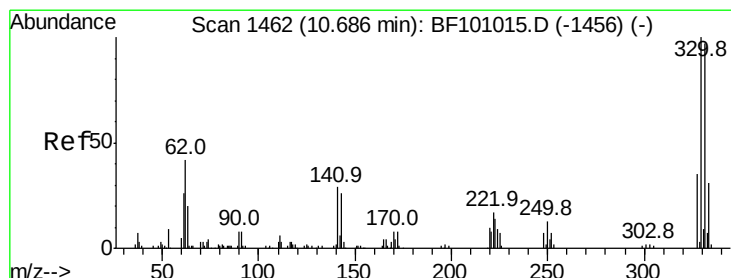
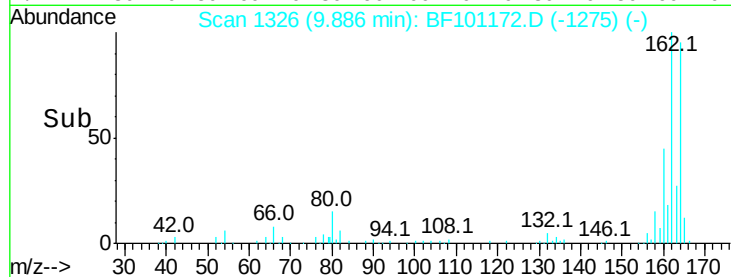
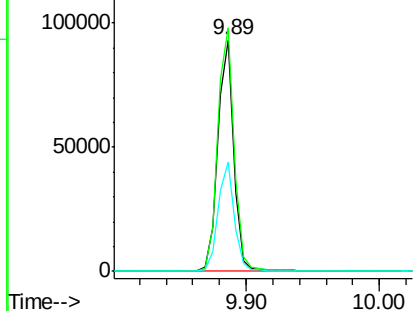
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-B

Tot Ion:164 Resp: 79343
 Ion Ratio Lower Upper
 164 100
 162 105.3 86.1 129.1
 160 47.2 38.3 57.5

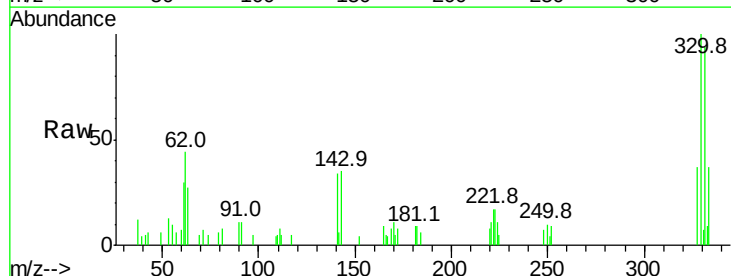


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

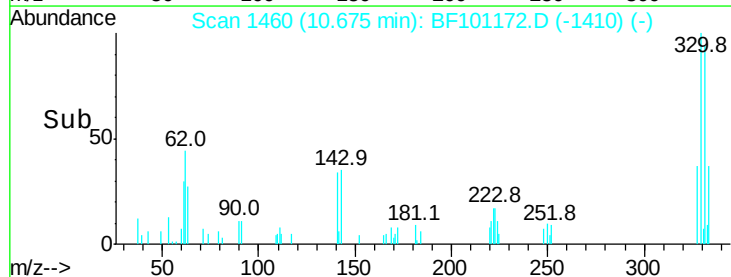
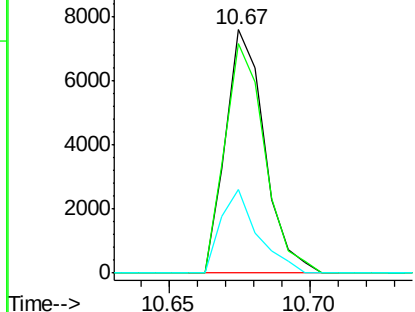


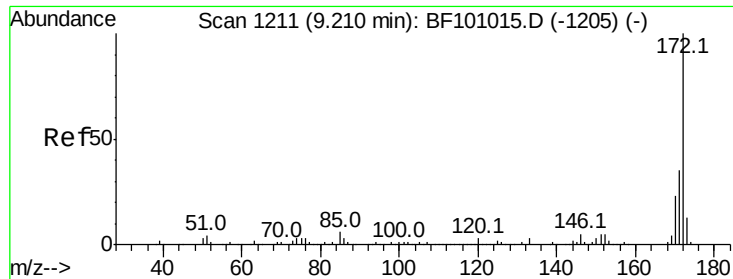
#41
 2,4,6-Tribromophenol
 Concen: 7.642 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Tgt Ion:330 Resp: 7284
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 32.5 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

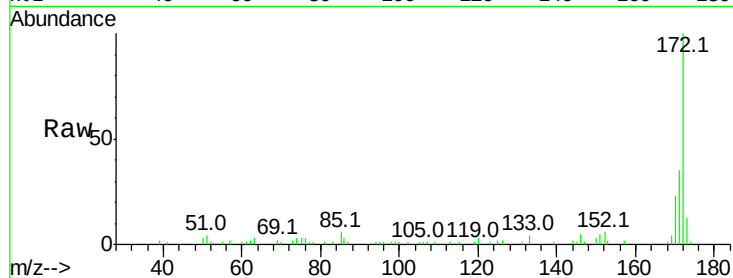




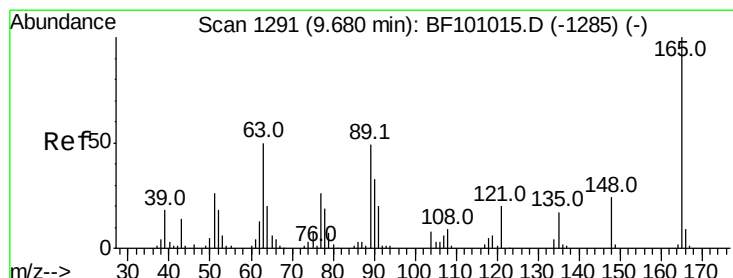
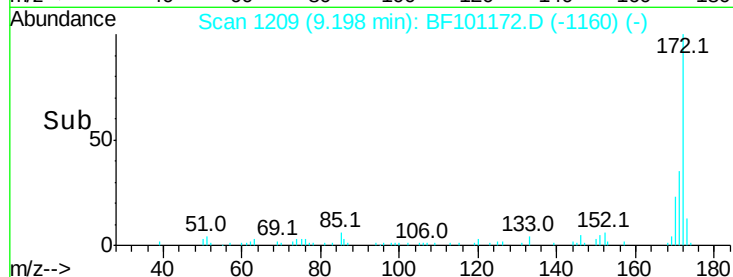
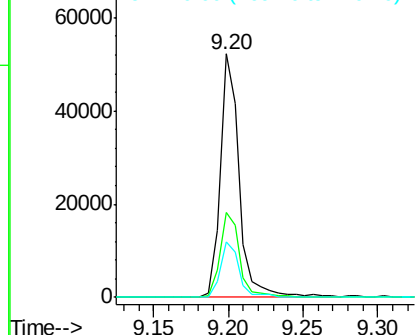
#44
 2-Fluorobiphenyl
 Concen: 8.028 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-B

Tot Ion:172 Resp: 46553
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 22.9 19.6 29.4

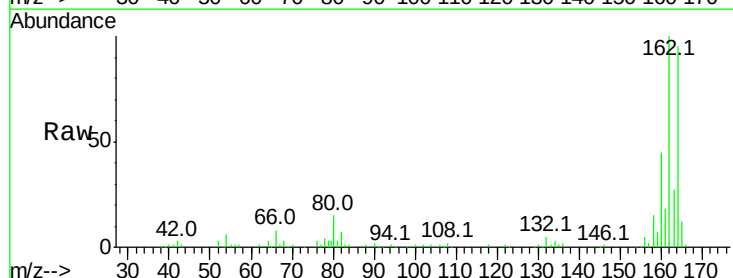


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

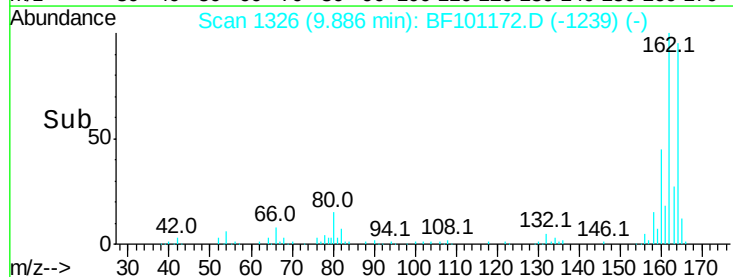
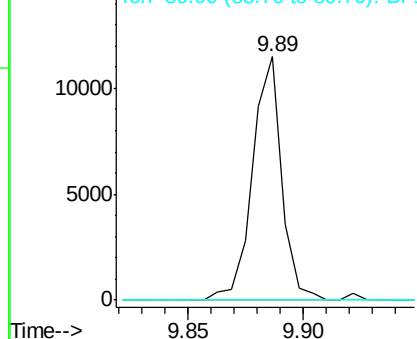


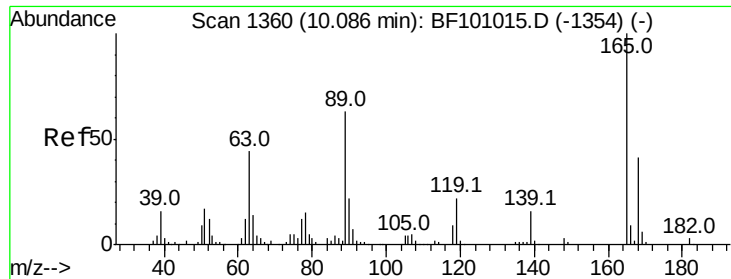
#50
 2,6-Dinitrotoluene
 Concen: 7.536 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Tgt Ion:165 Resp: 10156
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



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

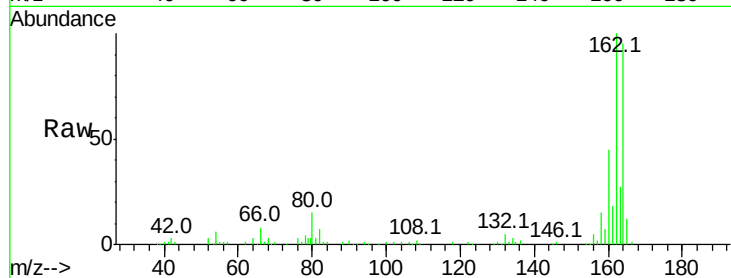




#56
 2,4-Dinitrotoluene
 Concen: 5.623 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-B

Tot Ion:165	Resp:	10156
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#

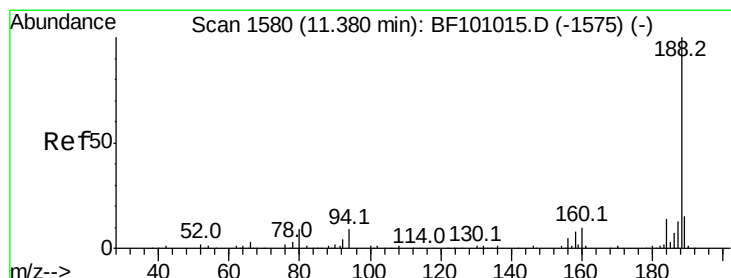
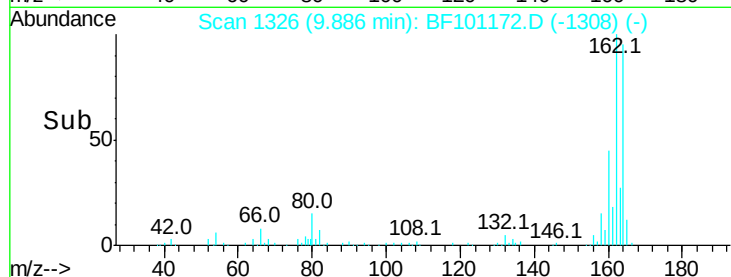
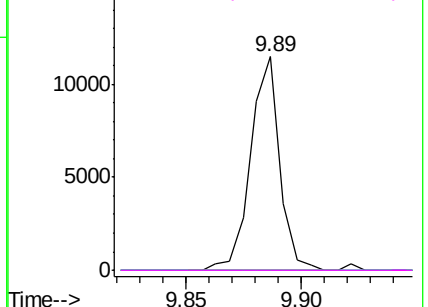


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

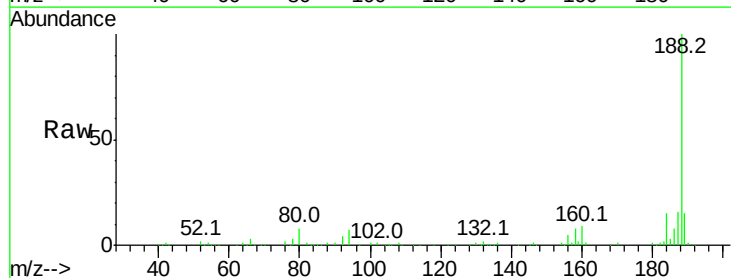
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

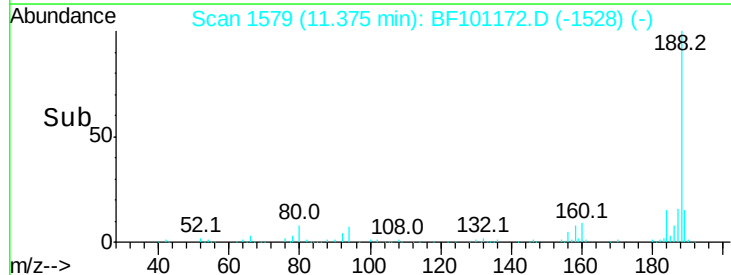
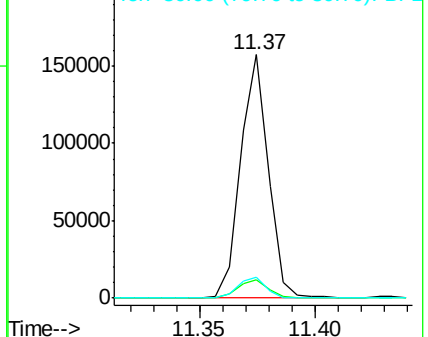
Tgt Ion:188	Resp:	131973
Ion Ratio	Lower	Upper
188	100	
94	7.5	8.5 12.7#
80	8.3	9.2 13.8#

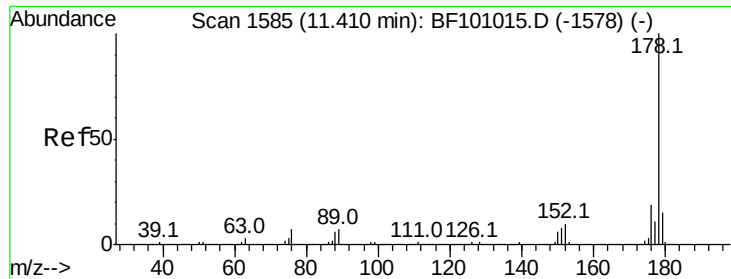


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 3.558 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

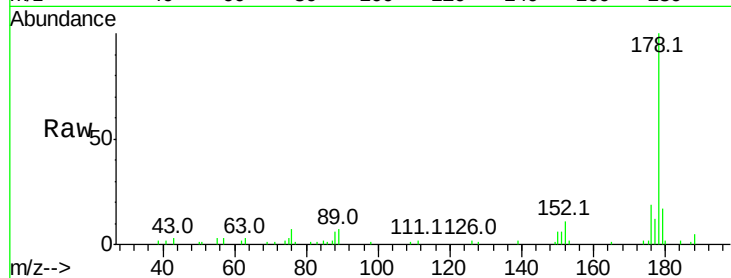
BNA_F

ClientSampleId :

EO-01-120517-B

Tot Ion:178 Resp: 25861

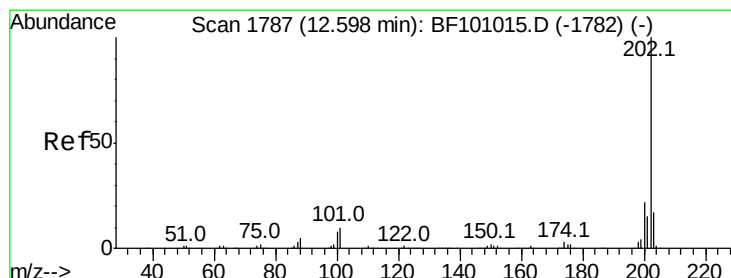
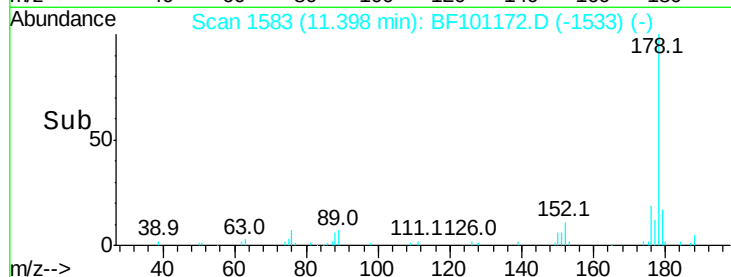
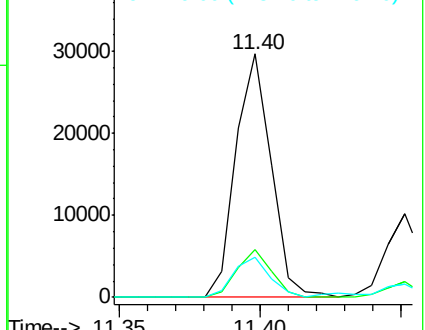
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.7	13.0	19.6



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



#74

Fluoranthene

Concen: 3.268 ng

RT: 12.59 min Scan# 1786

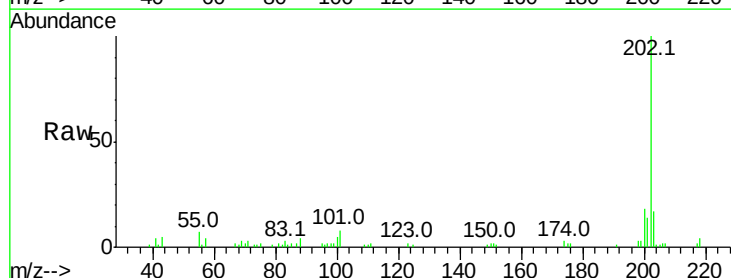
Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Tgt Ion:202 Resp: 26328

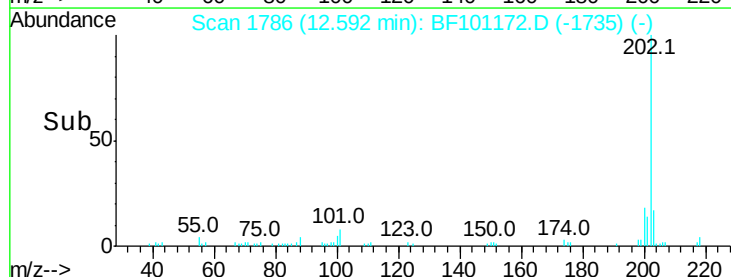
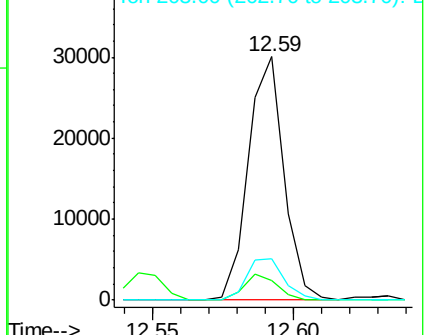
Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	34.1
203	17.2	0.0	38.1

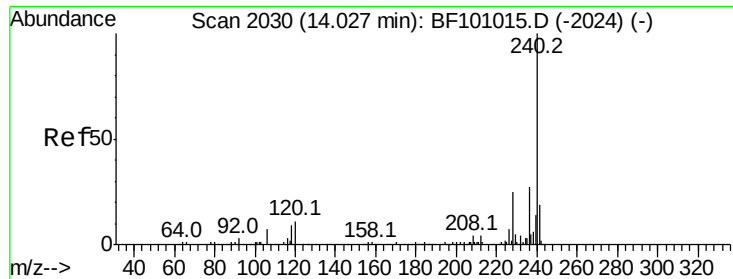


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-B

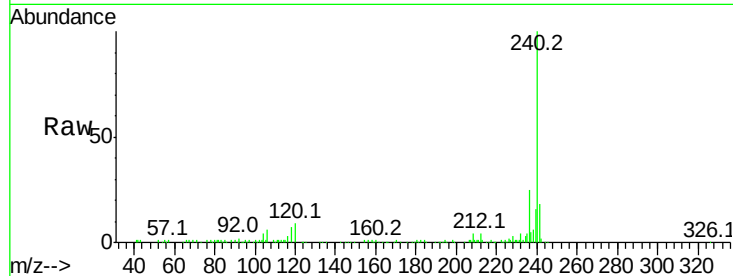
Tot Ion:240 Resp: 101822

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

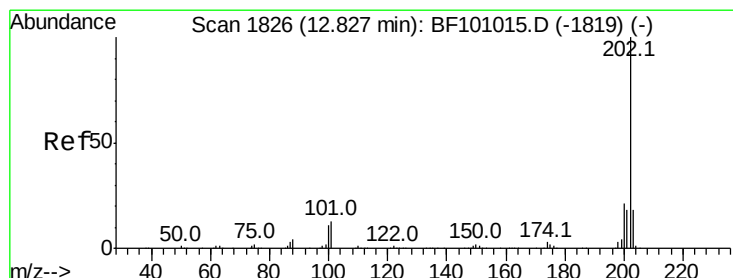
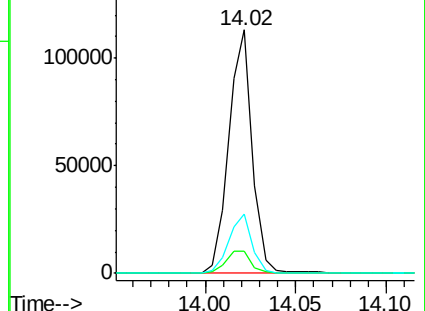
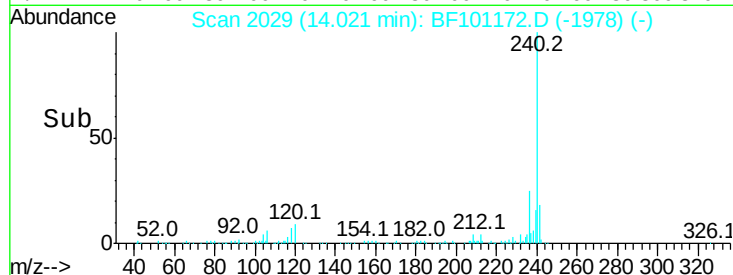
236 24.5 20.7 31.1



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: 5.604 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

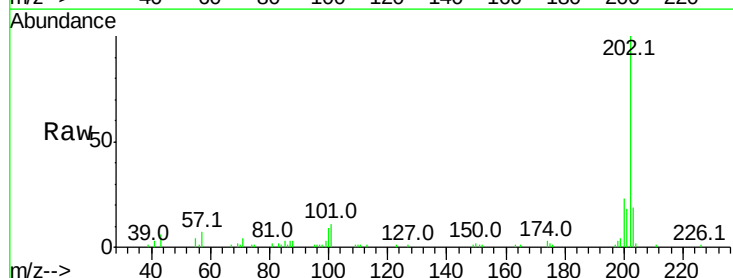
Tgt Ion:202 Resp: 39374

Ion Ratio Lower Upper

202 100

200 23.0 17.4 26.2

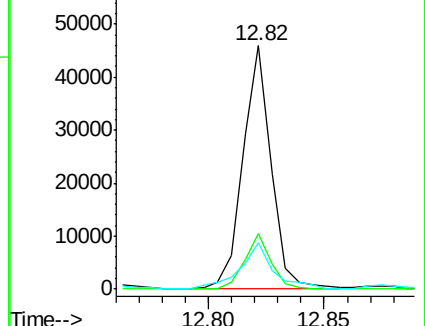
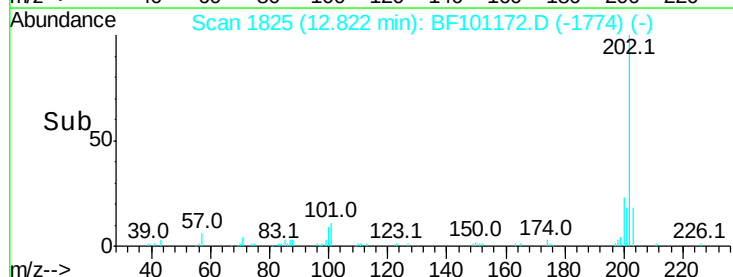
203 18.9 14.3 21.5

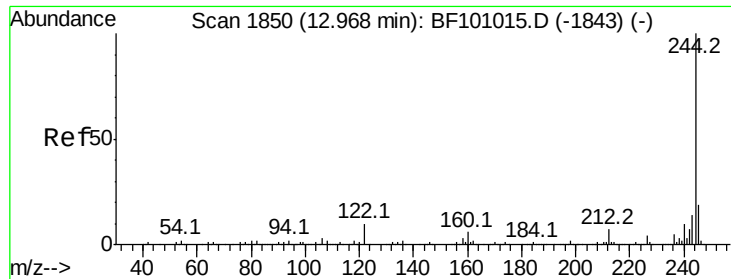


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

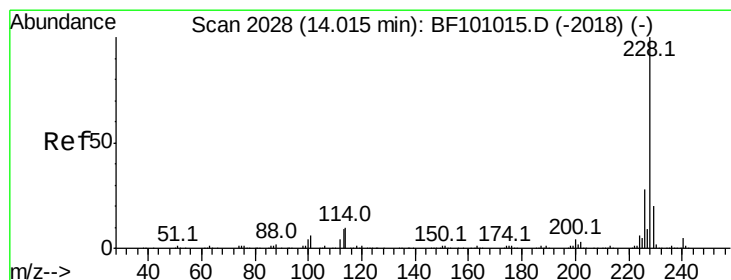
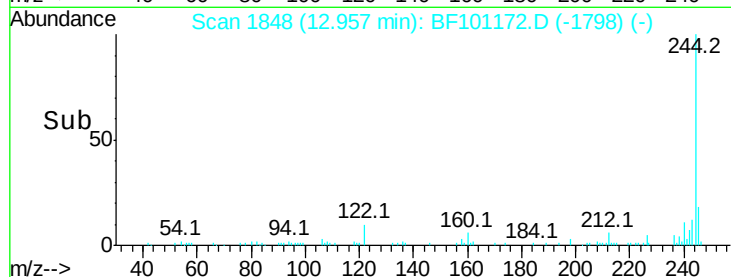
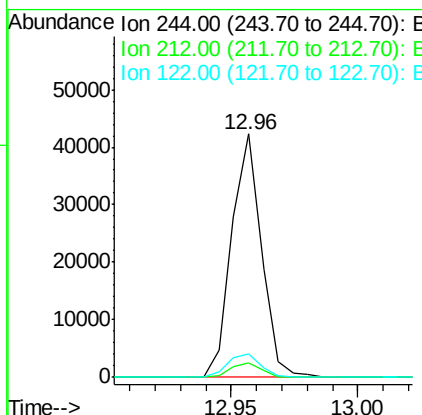
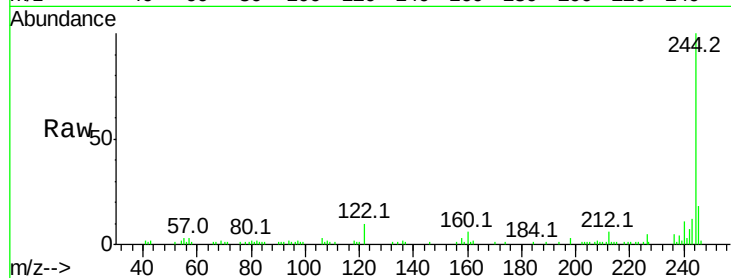




#78
 Terphenyl-d14
 Concen: 7.402 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

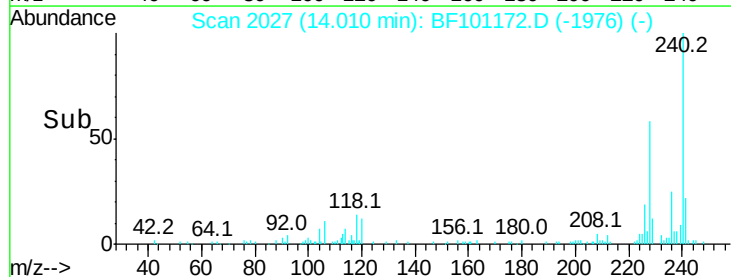
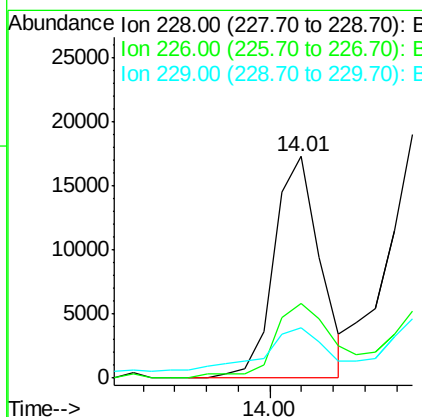
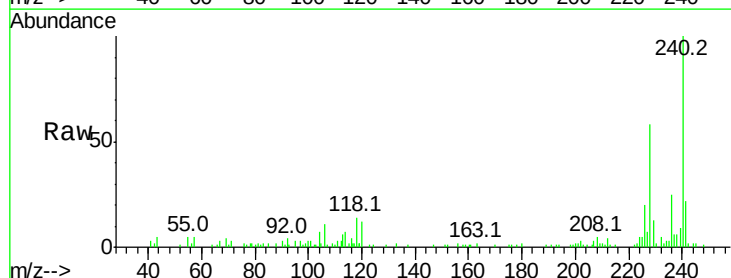
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-B

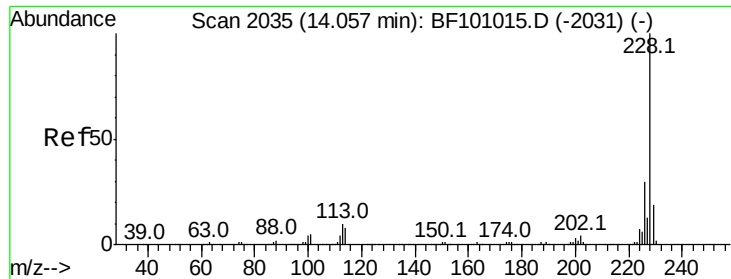
Tot Ion:244 Resp: 34456
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 9.6 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.711 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Tgt Ion:228 Resp: 17430
 Ion Ratio Lower Upper
 228 100
 226 33.7 22.6 33.8
 229 22.6 15.8 23.6





#82

Chrysene

Concen: 2.919 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.04 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-B

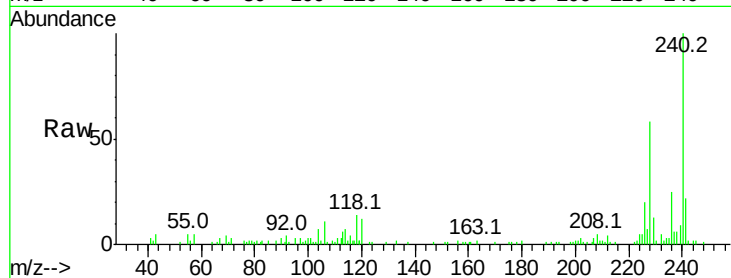
Tot Ion:228 Resp: 17430

Ion Ratio Lower Upper

228 100

226 33.7 25.0 37.6

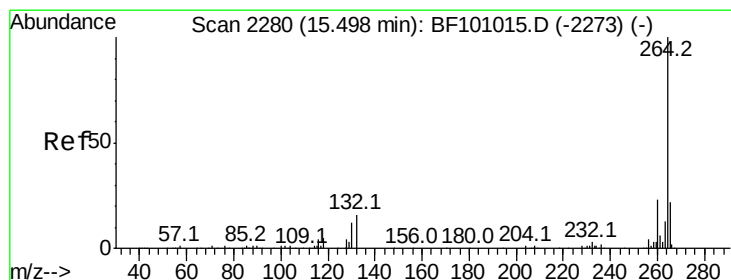
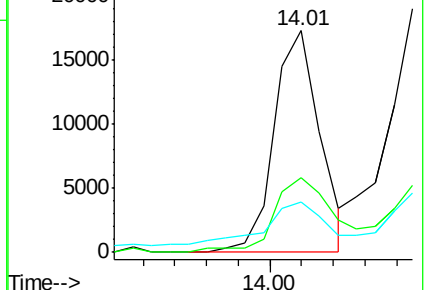
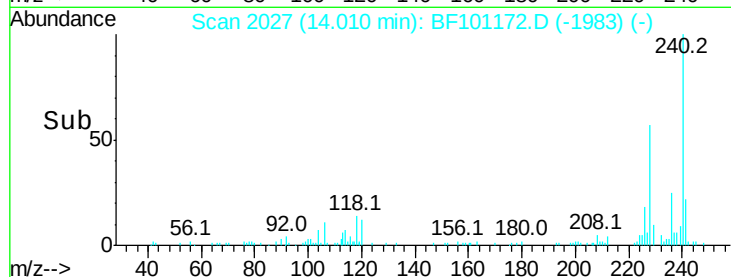
229 22.6 16.2 24.4



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: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

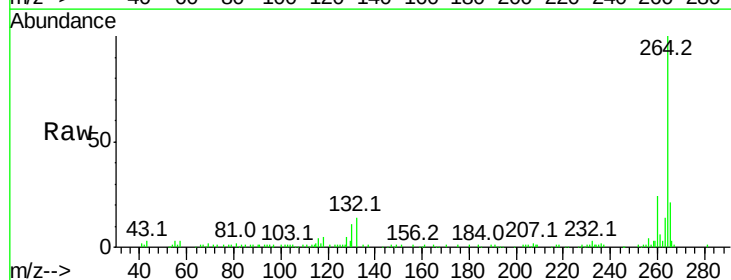
Tgt Ion:264 Resp: 106419

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

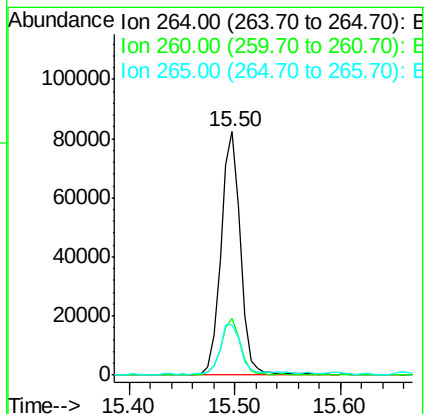
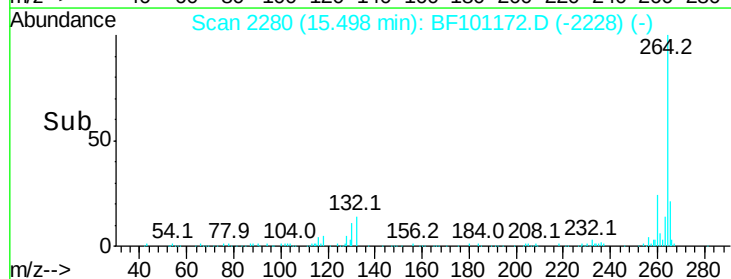
265 20.7 17.5 26.3

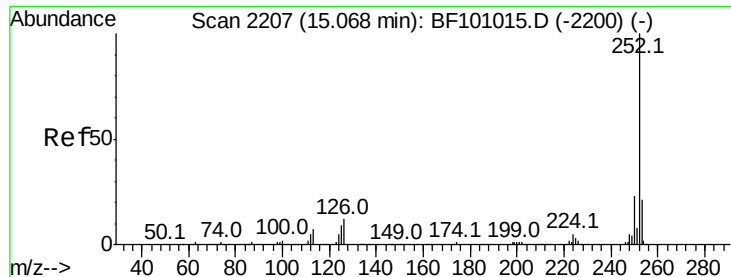


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

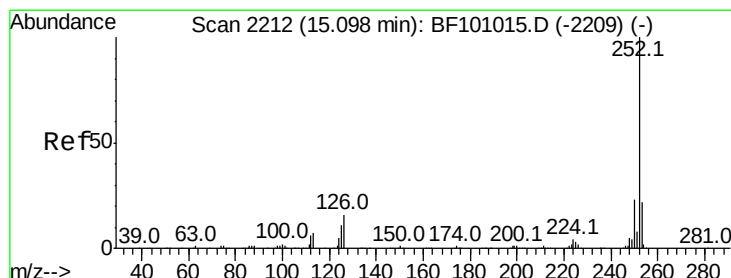
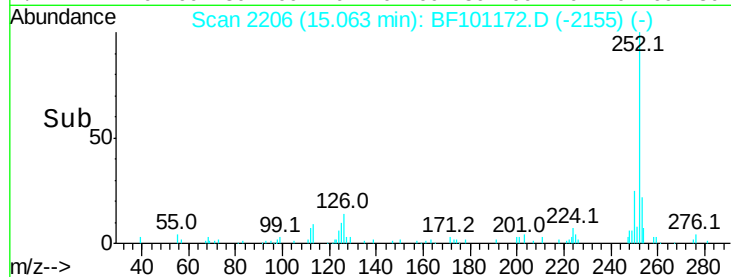
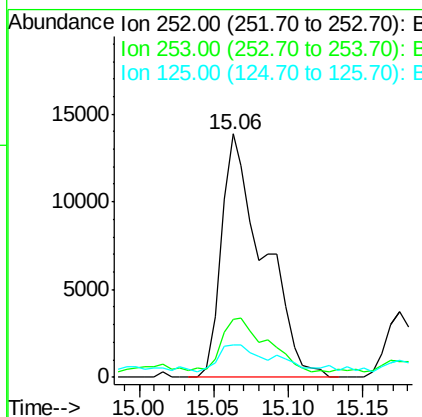
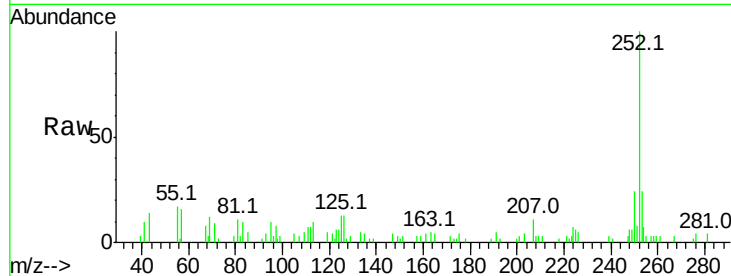




#87
Benzo(b)fluoranthene
Concen: 4.254 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

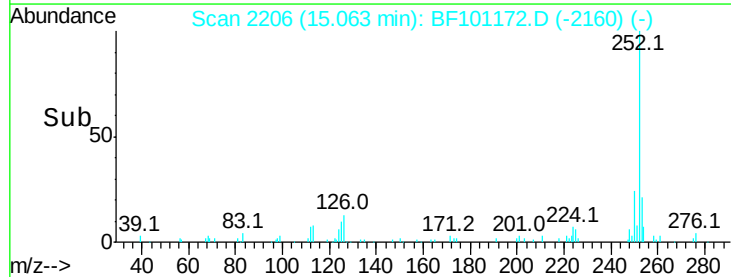
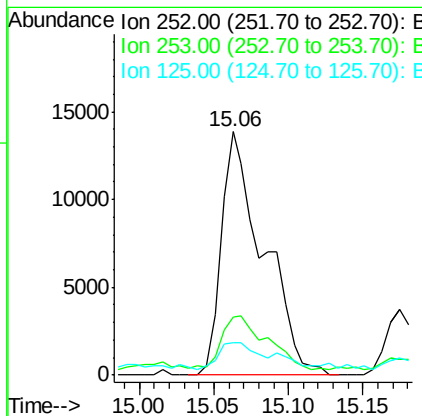
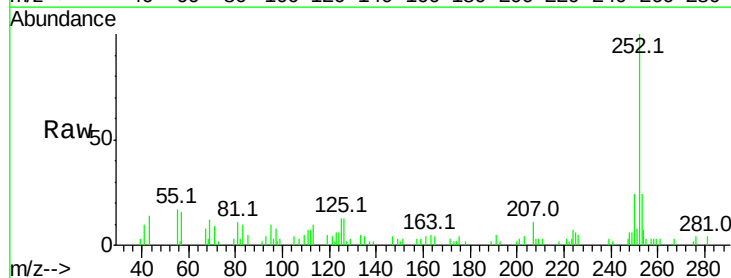
Instrument :
BNA_F
ClientSampleId :
EO-01-120517-B

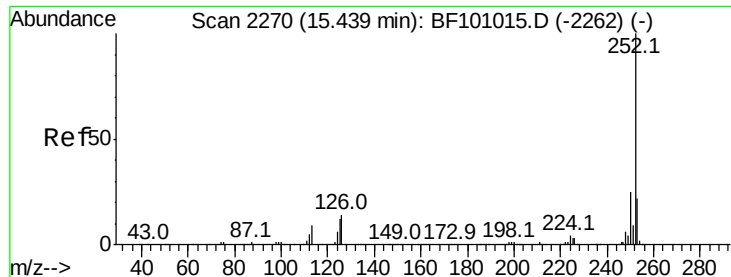
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	13.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 4.318 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	13.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.553 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-B

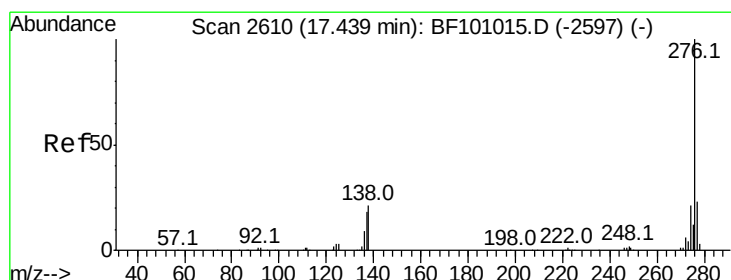
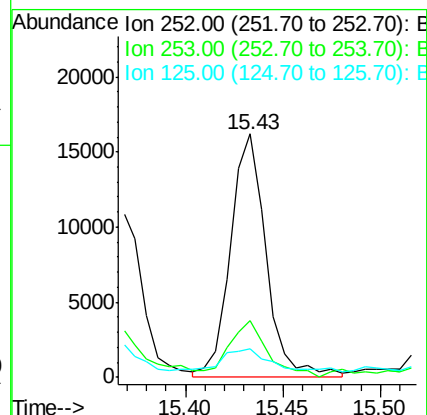
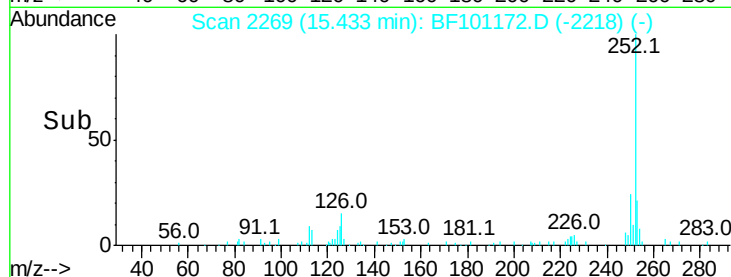
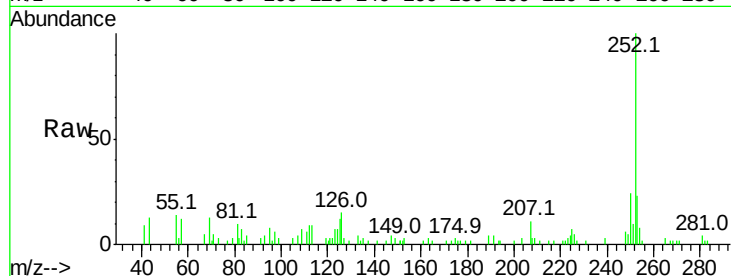
Tot Ion:252 Resp: 20591

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 11.7 9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 2.703 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Tgt Ion:276 Resp: 13015

Ion Ratio Lower Upper

276 100

277 28.5 17.9 26.9#

138 18.8 21.8 32.8#

