

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101173.D
 Acq On : 6 Dec 2017 17:45
 Operator : SJ/JU
 Sample : I6683-05 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 06 23:50:26 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	43314	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	166188	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	76048	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	124812	20.00	ng	0.00
75) Chrysene-d12	14.02	240	94939	20.00	ng	0.00
86) Perylene-d12	15.50	264	95449	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	29875	11.40	ng	0.00
7) Phenol-d6	6.47	99	35522	11.16	ng	0.00
23) Nitrobenzene-d5	7.41	82	21598	7.75	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	8667	9.49	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	51896	9.34	ng	-0.01
78) Terphenyl-d14	12.96	244	35632	8.21	ng	0.00

Target Compounds

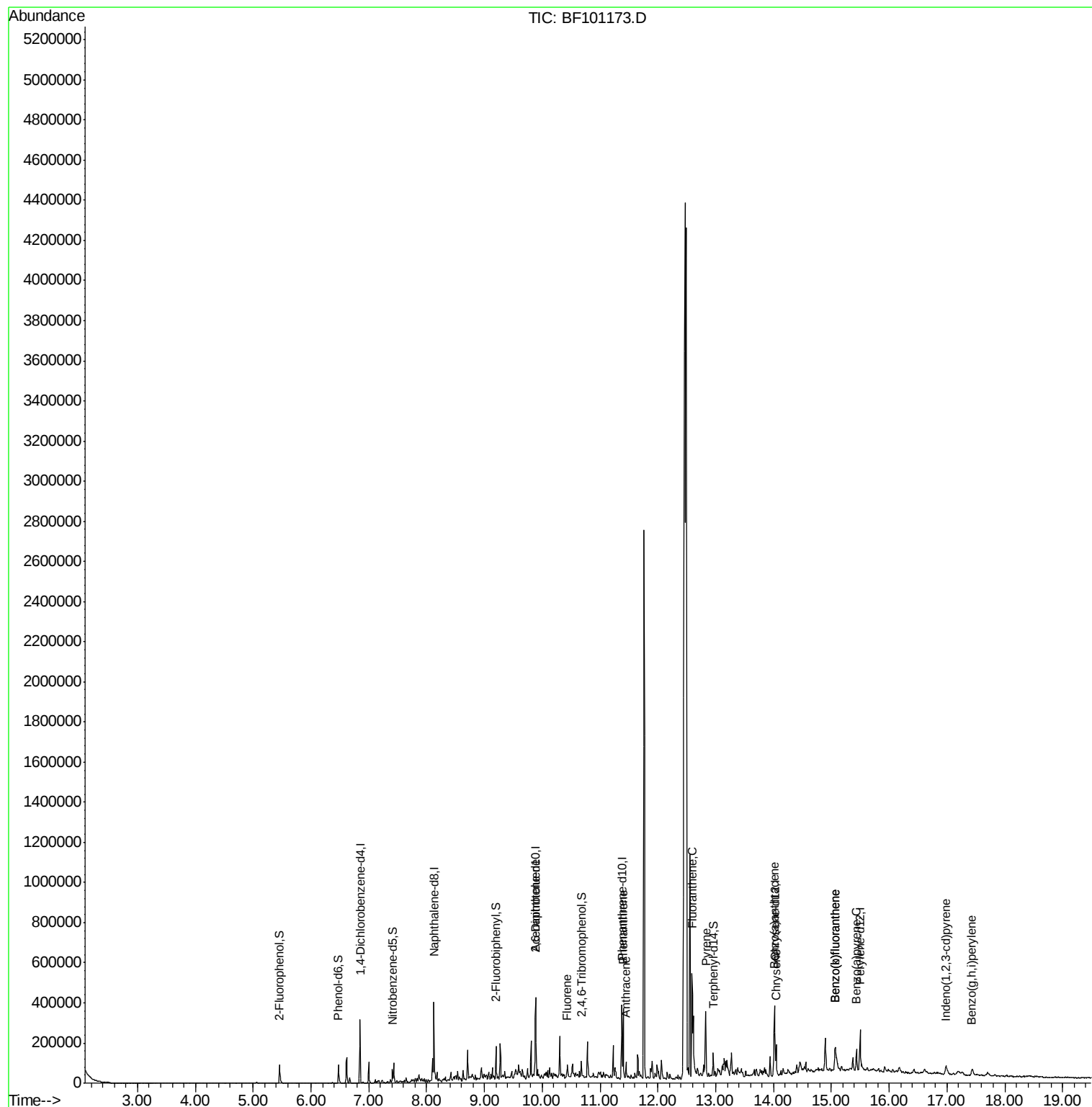
						Qvalue
50) 2,6-Dinitrotoluene	9.89	165	10564	8.178	ng	# 24
57) Fluorene	10.43	166	14834	2.601	ng	# 98
70) Phenanthrene	11.40	178	117217	17.054	ng	97
71) Anthracene	11.45	178	27877	4.007	ng	99
74) Fluoranthene	12.59	202	128352	16.846	ng	95
77) Pyrene	12.83	202	128499	19.615	ng	98
80) Benzo(a)anthracene	14.01	228	66804	11.145	ng	100
82) Chrysene	14.04	228	57285	10.290	ng	94
85) Indeno(1,2,3-cd)pyrene	16.99	276	23671	4.783	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	87258	15.263	ng	97
88) Benzo(k)fluoranthene	15.07	252	87258	15.491	ng	97
89) Benzo(a)pyrene	15.43	252	49476	9.519	ng	96
91) Benzo(a,h,i)perylene	17.44	276	23490	5.440	ng	95

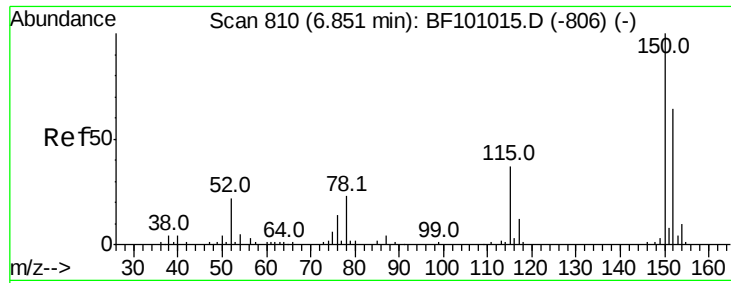
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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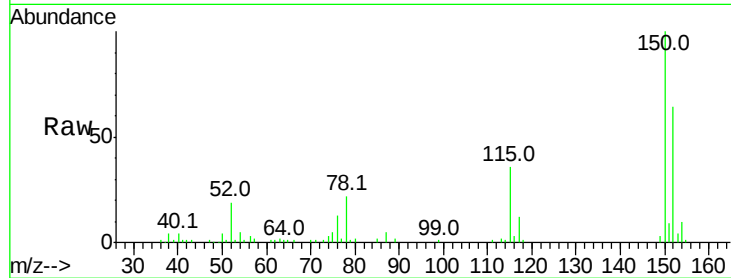


#1

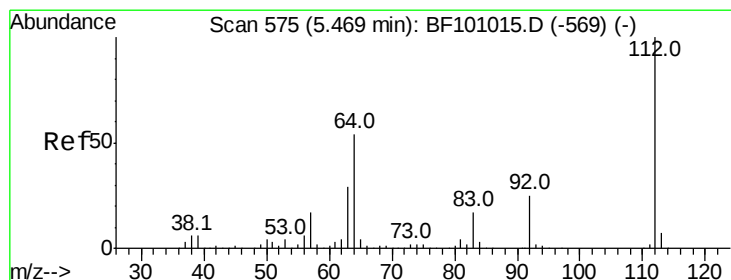
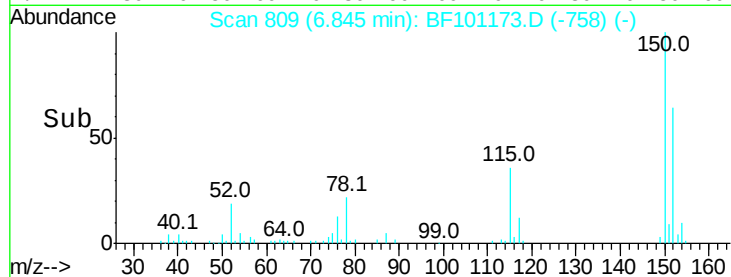
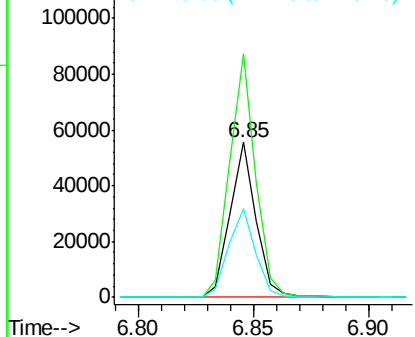
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

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

Tot Ion:152 Resp: 43314
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 57.3 50.1 75.1



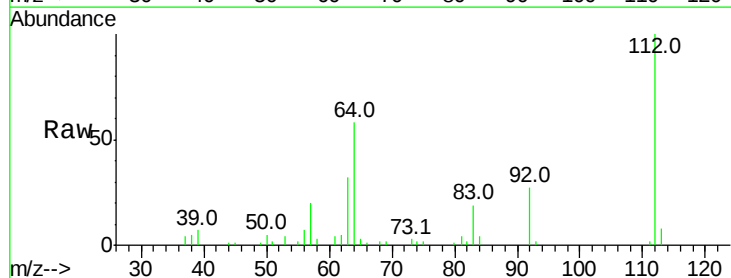
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



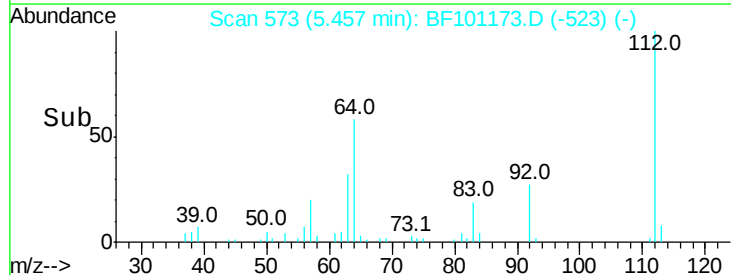
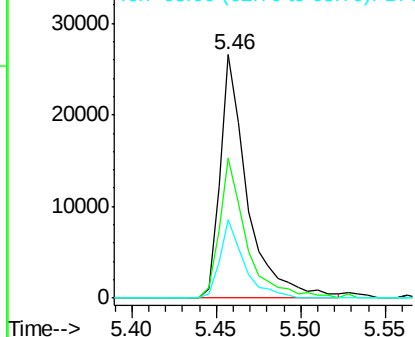
#5

2-Fluorophenol
Concen: 11.397 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion:112 Resp: 29875
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 32.1 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: 11.162 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-C

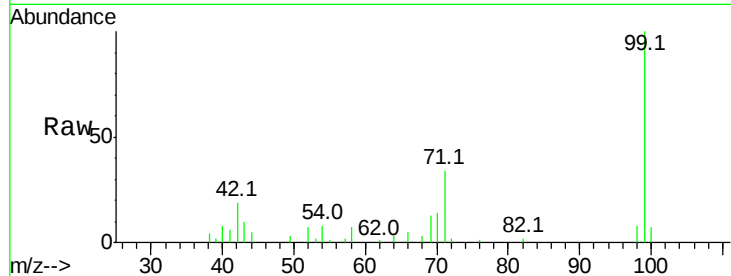
Tot Ion: 99 Resp: 35522

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

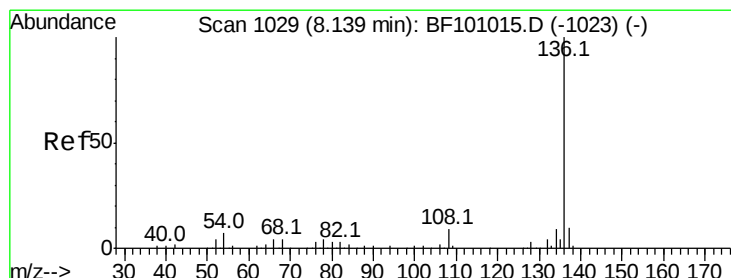
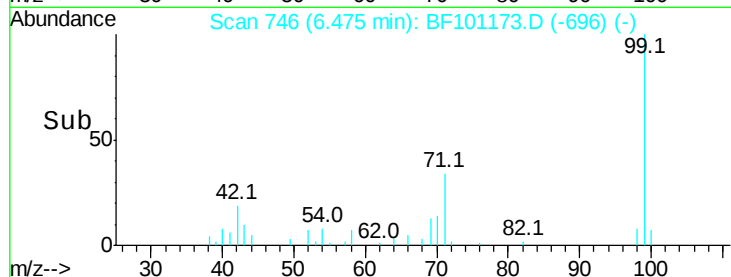
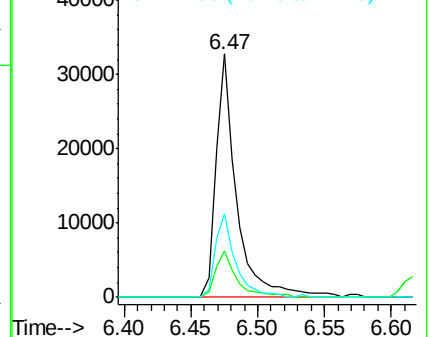
71 34.2 25.4 38.0



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Tgt Ion: 136 Resp: 166188

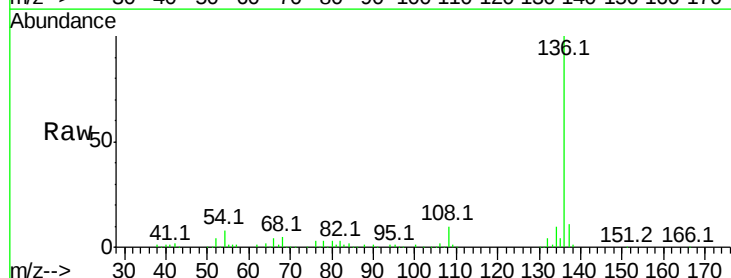
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 6.6 9.8

68 5.0 5.0 7.4

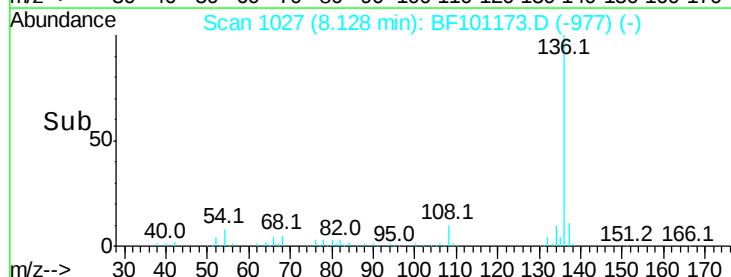
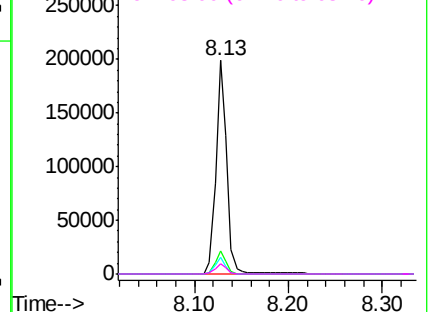


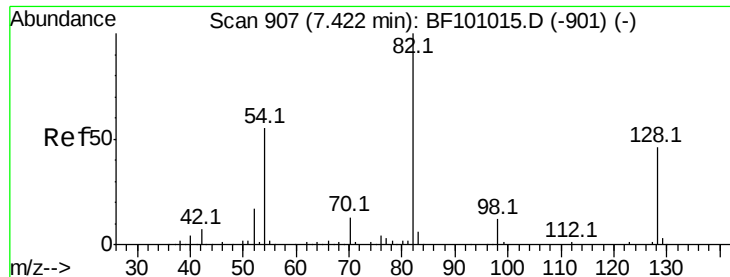
Abundance Ion 136.00 (135.70 to 136.70): E

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

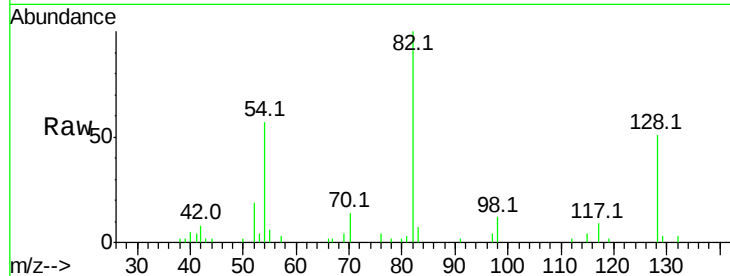




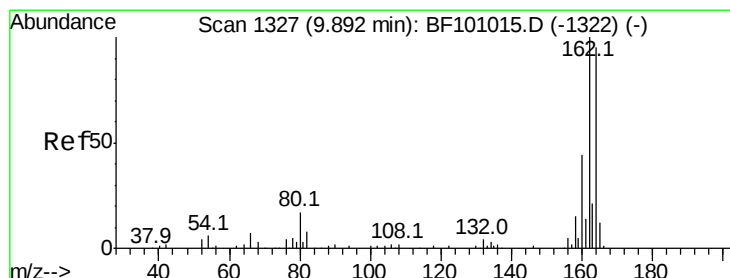
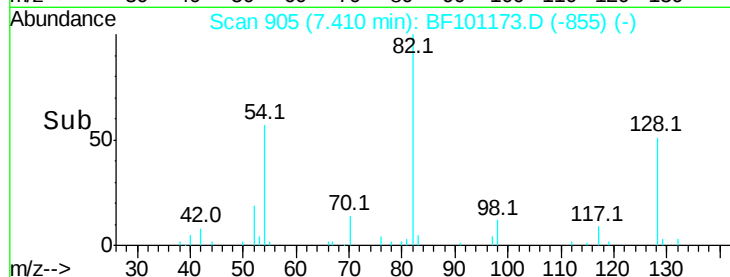
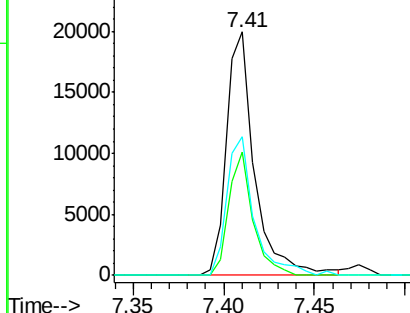
#23
 Nitrobenzene-d5
 Concen: 7.753 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

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

Tot Ion: 82 Resp: 21598
 Ion Ratio Lower Upper
 82 100
 128 50.8 36.1 54.1
 54 56.9 41.4 62.2

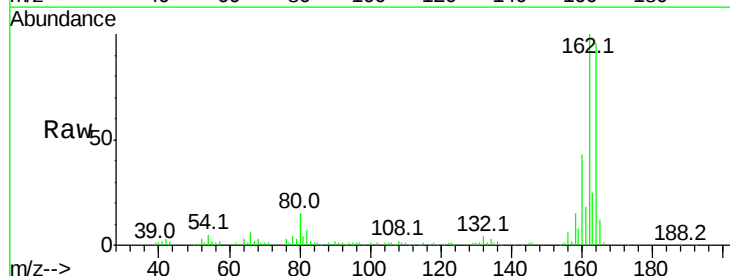


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

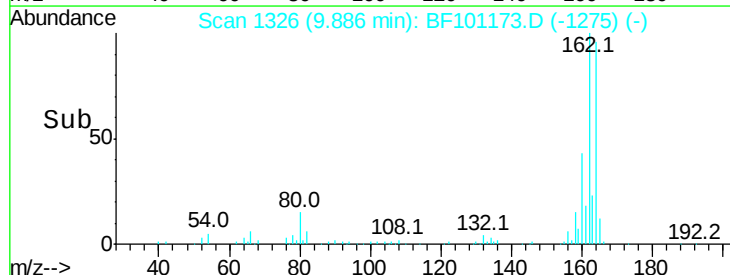
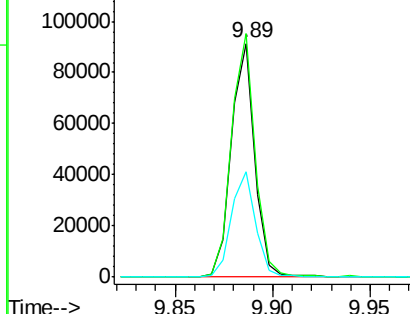


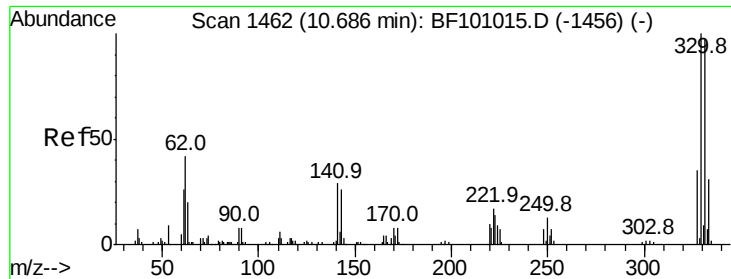
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

Tgt Ion:164 Resp: 76048
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 45.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

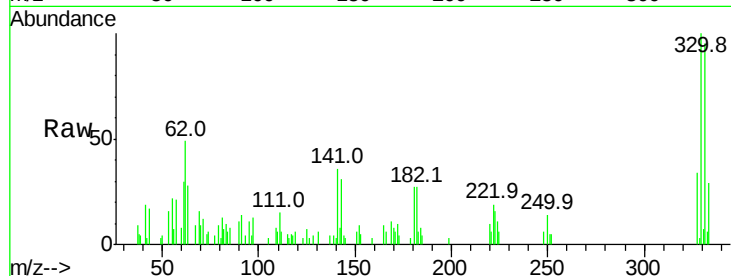




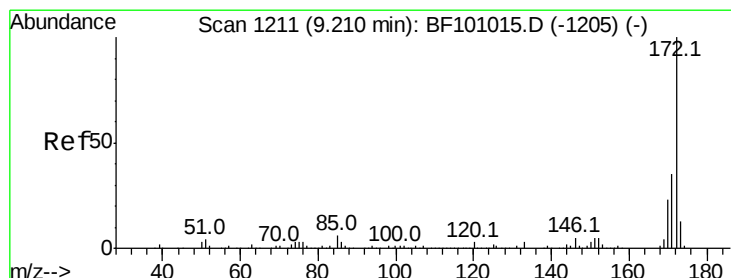
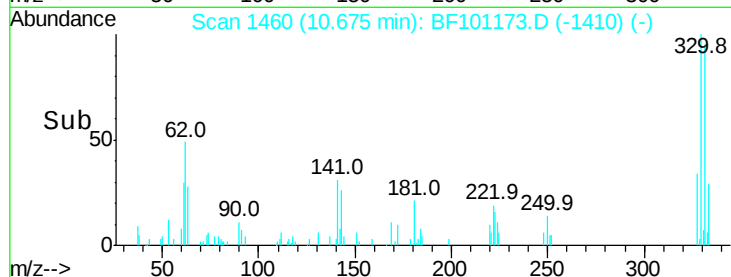
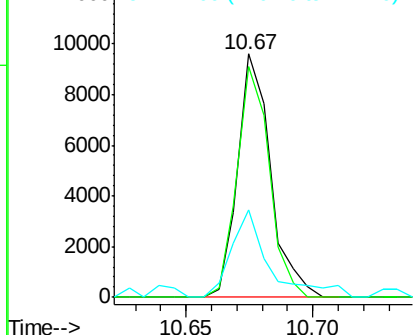
#41
 2,4,6-Tribromophenol
 Concen: 9.487 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

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

Tot Ion:330 Resp: 8667
 Ion Ratio Lower Upper
 330 100
 332 93.1 77.0 115.6
 141 41.3 29.9 44.9

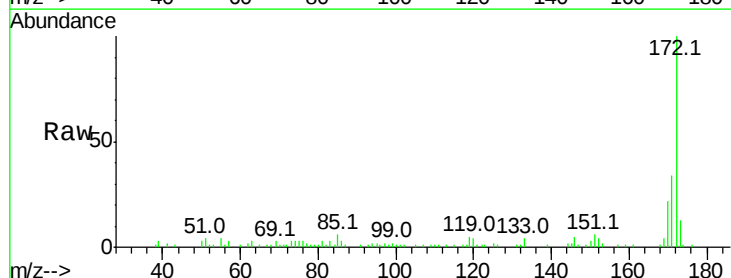


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

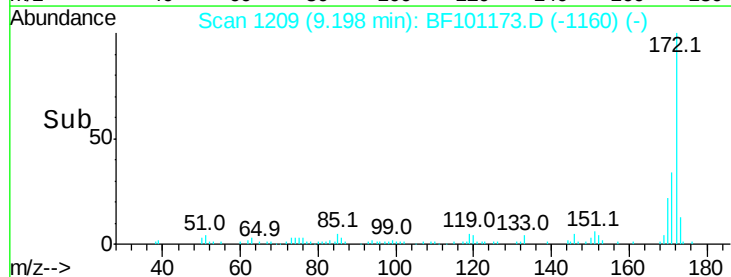
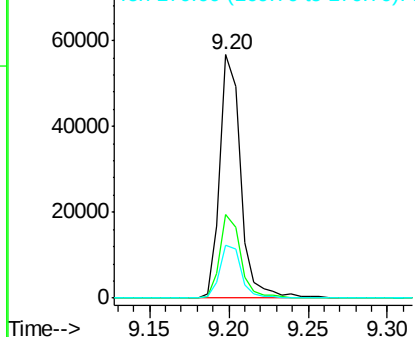


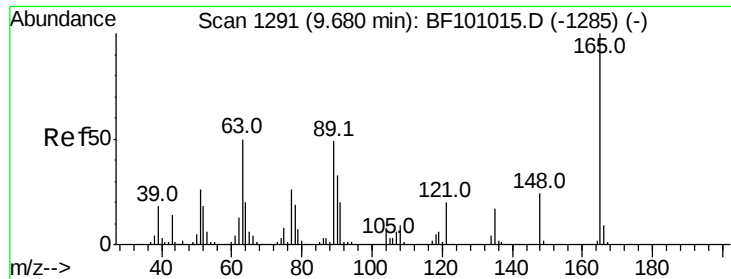
#44
 2-Fluorobiphenyl
 Concen: 9.337 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

Tgt Ion:172 Resp: 51896
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 22.0 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

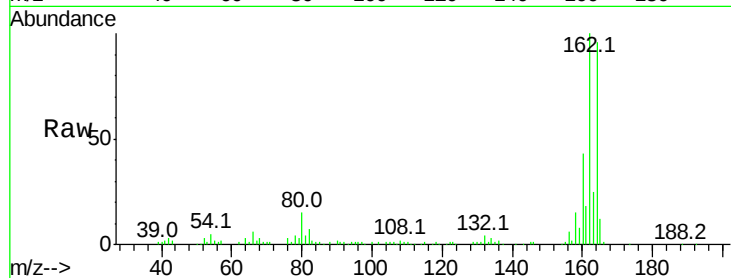




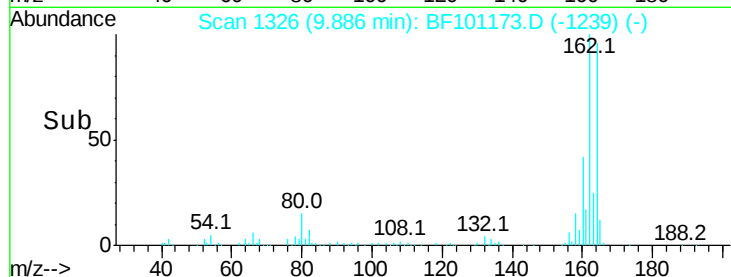
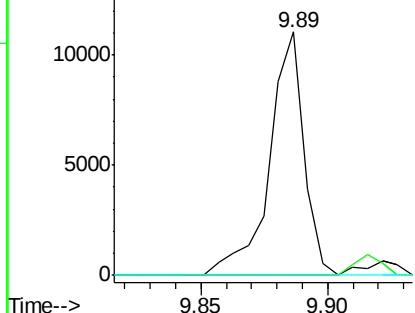
#50
 2,6-Dinitrotoluene
 Concen: 8.178 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

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

Tot Ion:165 Resp: 10564
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

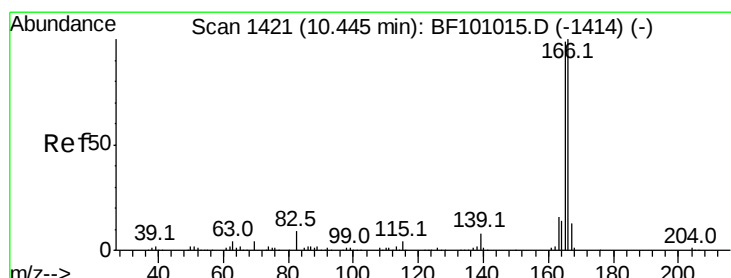


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

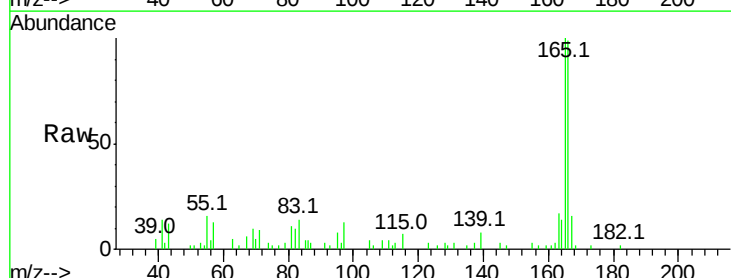
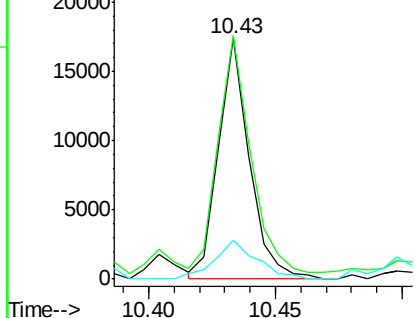


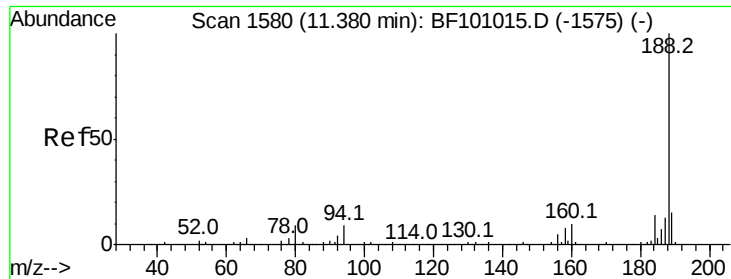
#57
 Fluorene
 Concen: 2.601 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

Tgt Ion:166 Resp: 14834
 Ion Ratio Lower Upper
 166 100
 165 101.1 79.8 119.8
 167 16.0 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

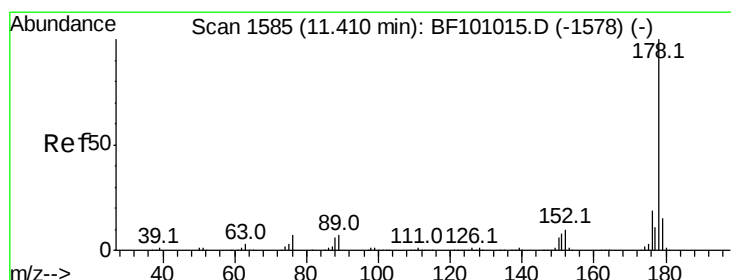
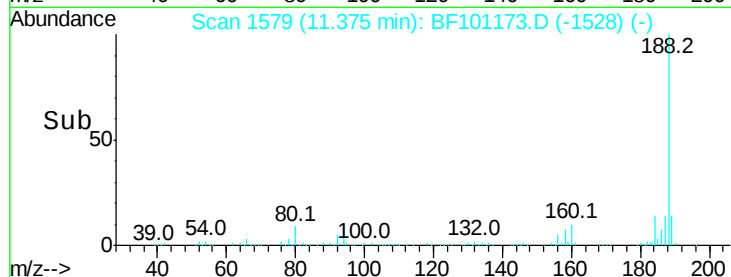
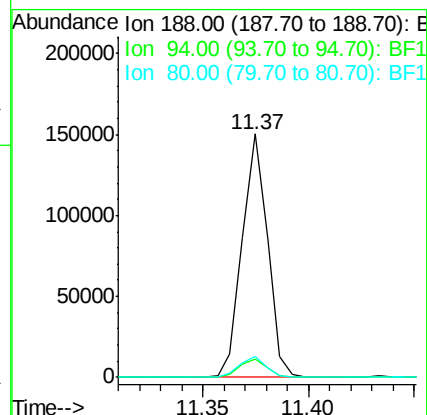
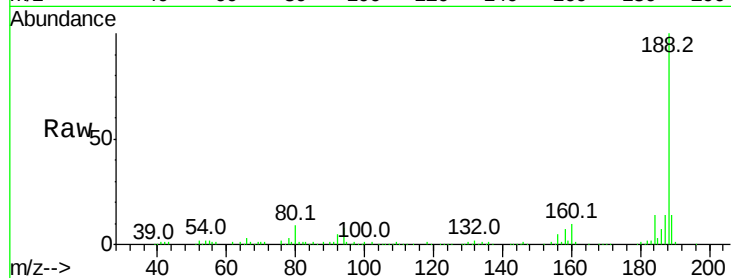




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

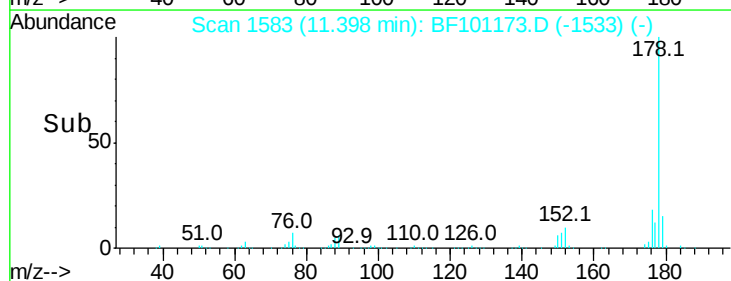
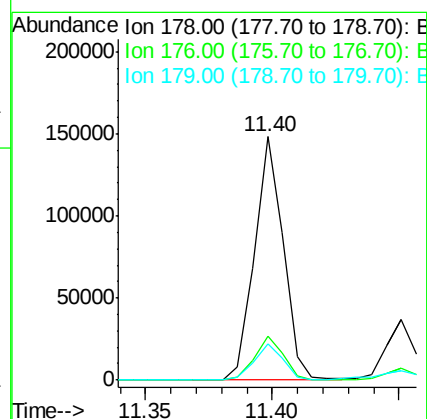
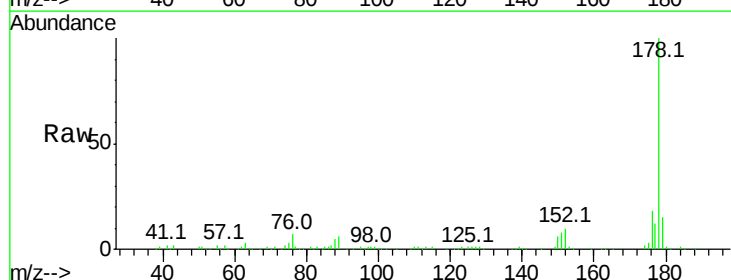
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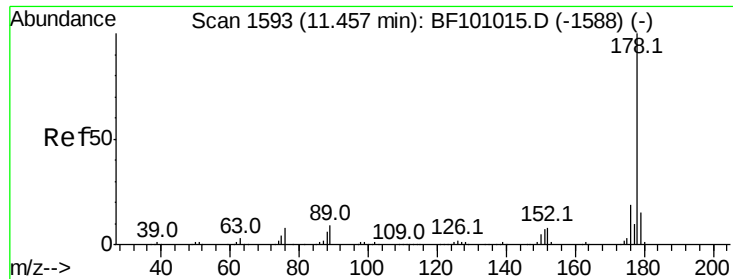
Tot Ion:188 Resp: 124812
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.6 9.2 13.8#



#70
Phenanthrene
Concen: 17.054 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion:178 Resp: 117217
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.1 13.0 19.6

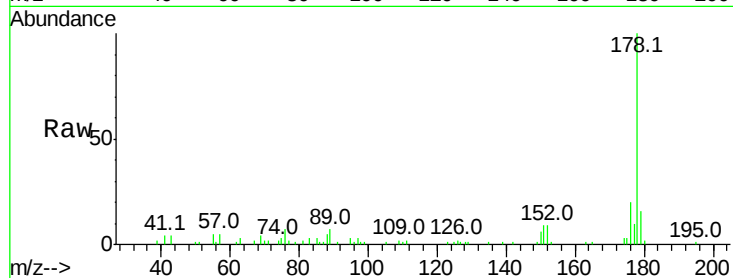




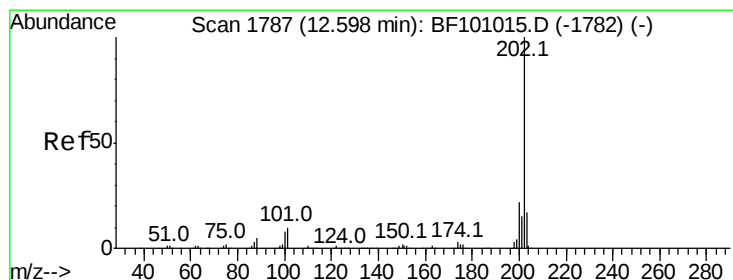
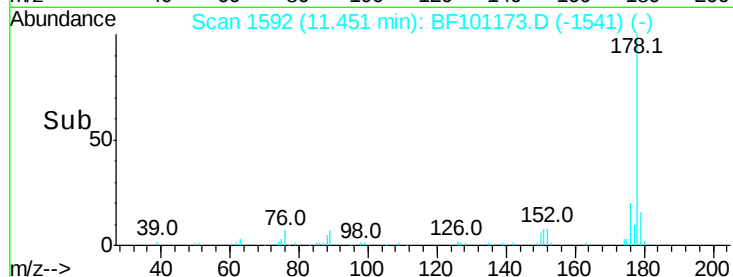
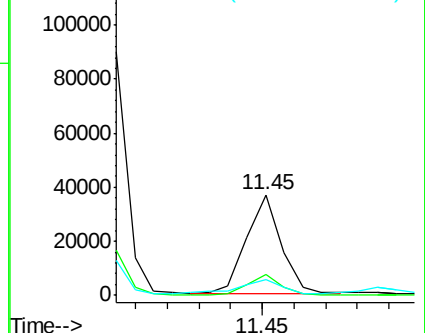
#71
 Anthracene
 Concen: 4.007 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

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

Tot Ion:178 Resp: 27877
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.4 23.2
 179 15.7 12.6 19.0

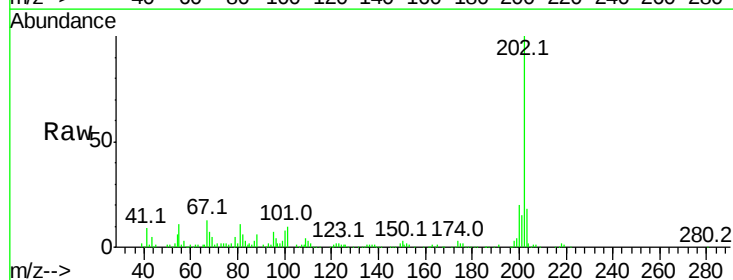


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

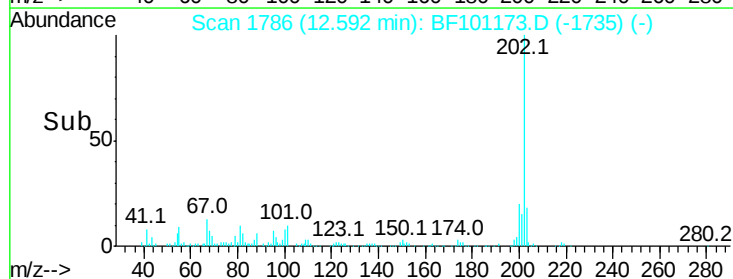
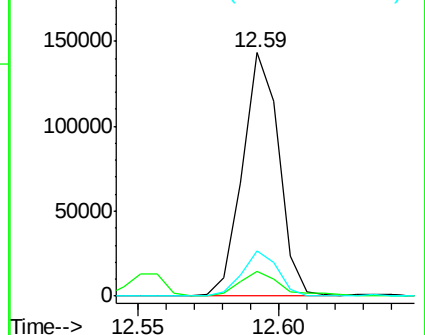


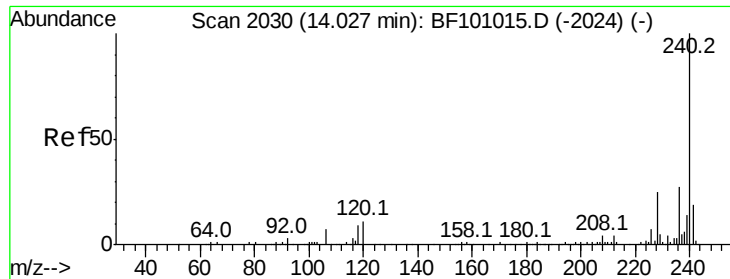
#74
 Fluoranthene
 Concen: 16.846 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

Tgt Ion:202 Resp: 128352
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 34.1
 203 18.5 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: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-C

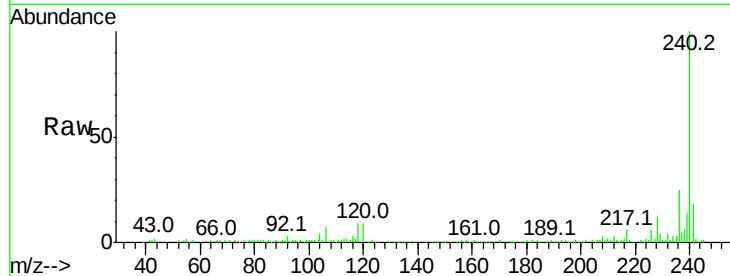
Tot Ion:240 Resp: 94939

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

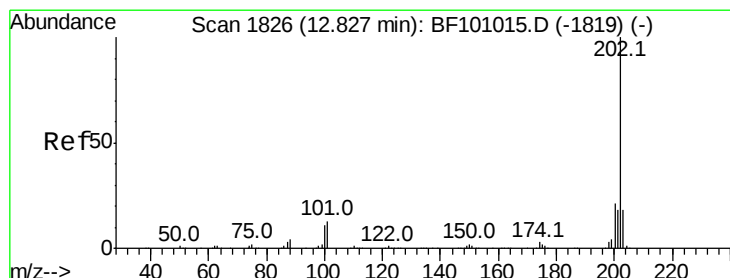
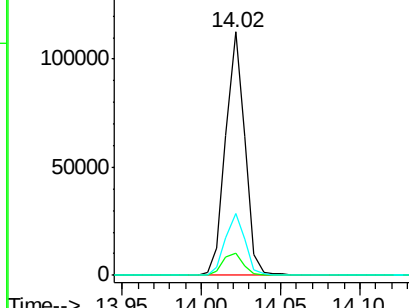
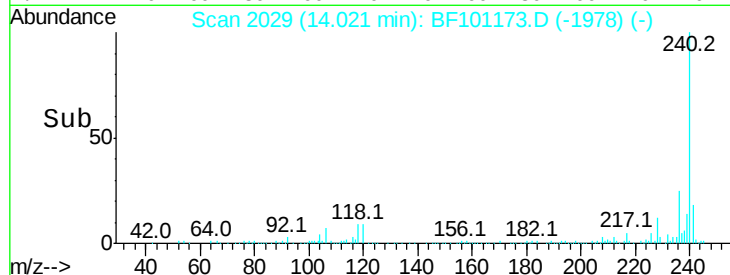
236 25.5 20.7 31.1



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: 19.615 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

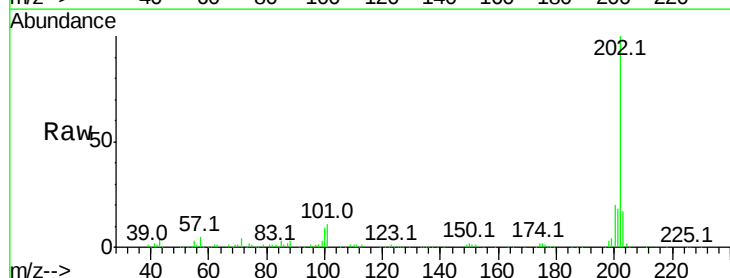
Tgt Ion:202 Resp: 128499

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

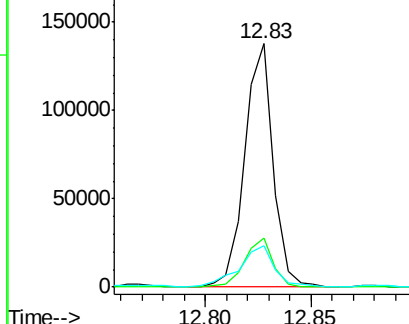
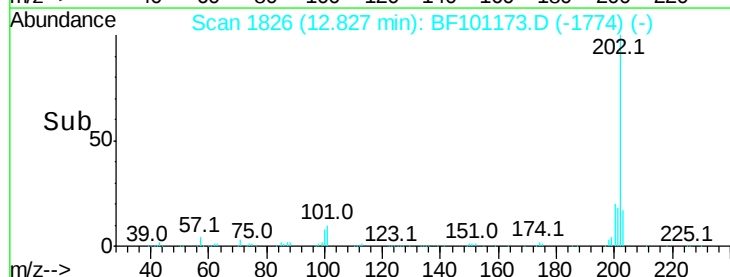
203 17.2 14.3 21.5

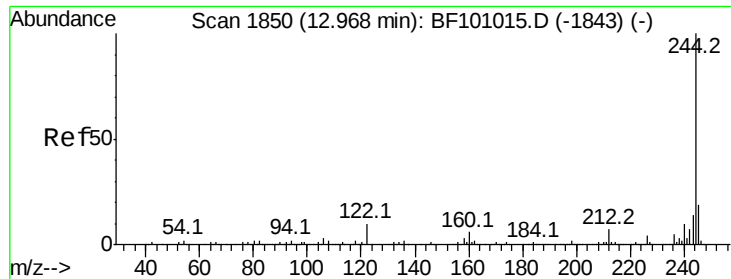


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.209 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-C

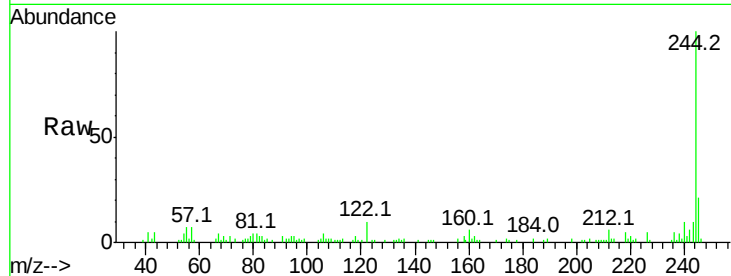
Tot Ion:244 Resp: 35632

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

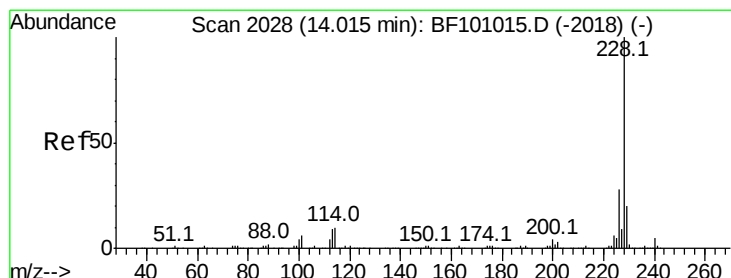
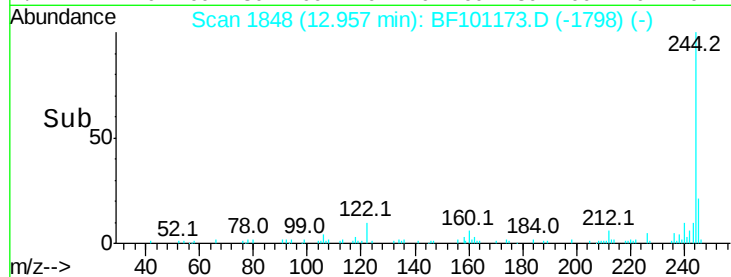
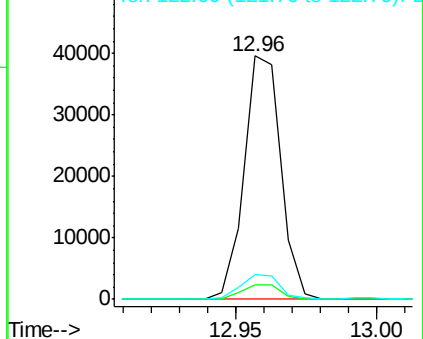
122 10.3 11.0 16.4#



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: 11.145 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

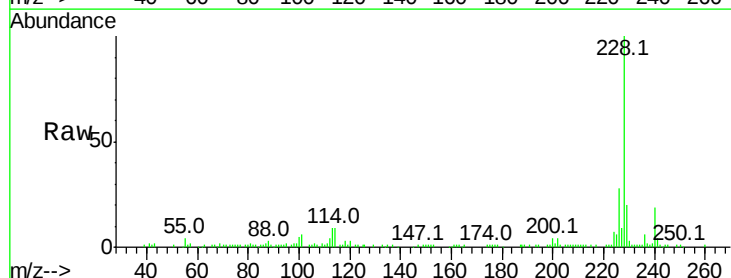
Tgt Ion:228 Resp: 66804

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

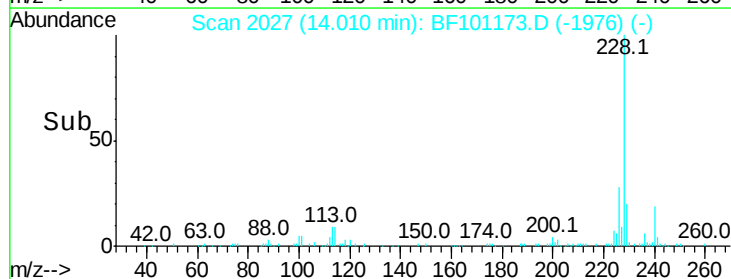
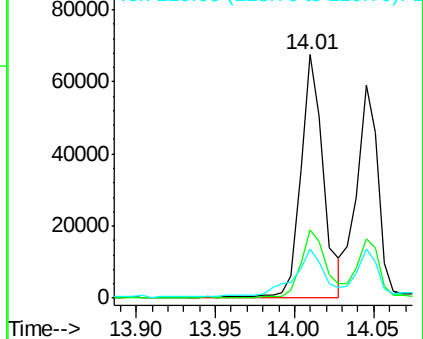
229 20.2 15.8 23.6

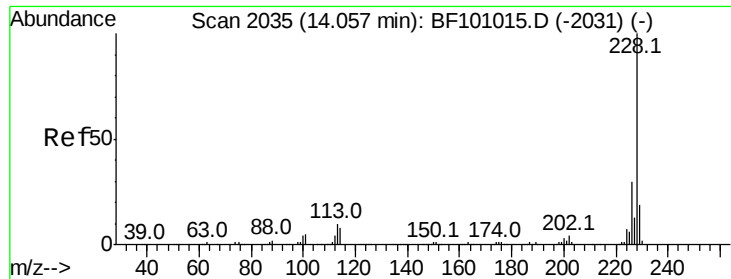


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.290 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-C

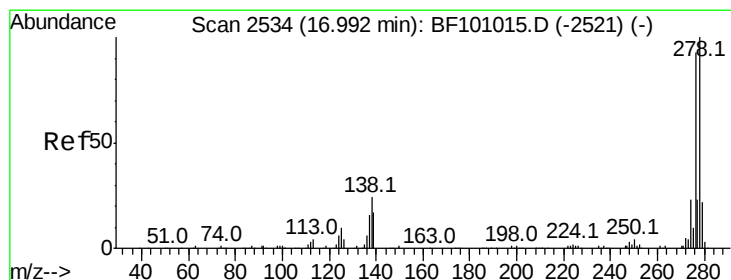
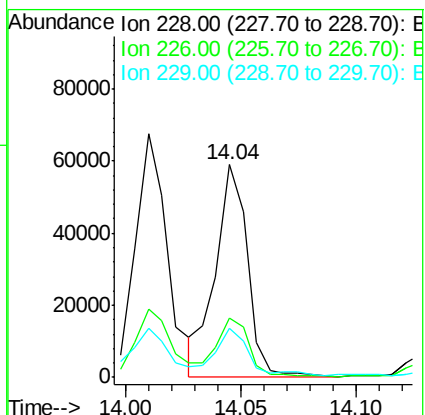
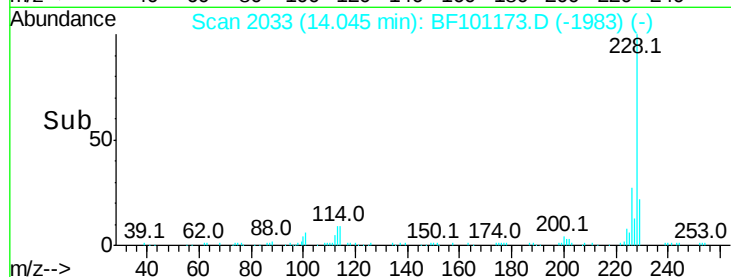
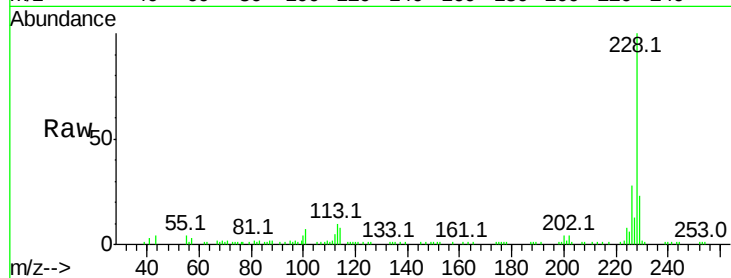
Tot Ion:228 Resp: 57285

Ion Ratio Lower Upper

228 100

226 27.8 25.0 37.6

229 22.9 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.783 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

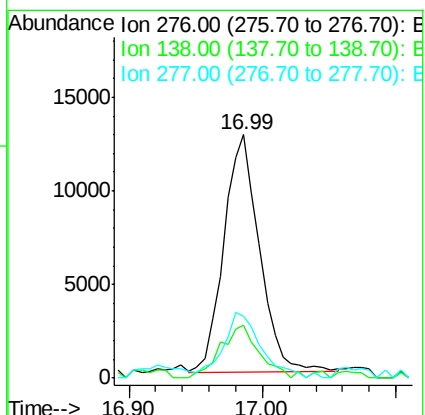
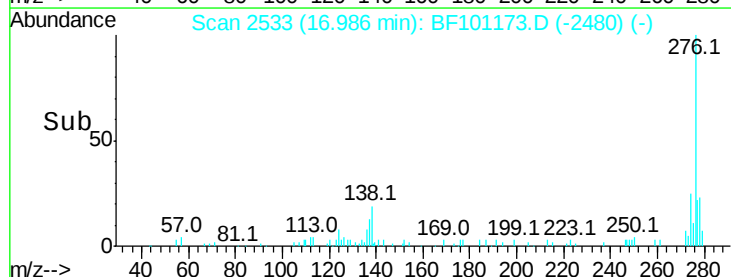
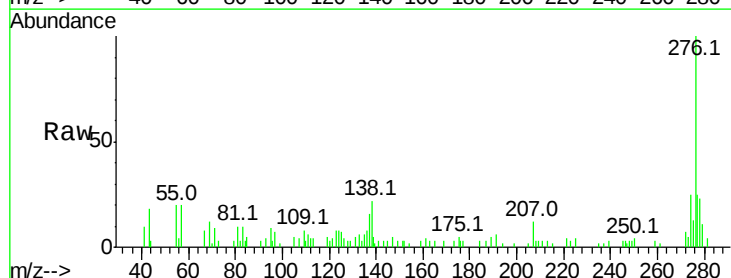
Tgt Ion:276 Resp: 23671

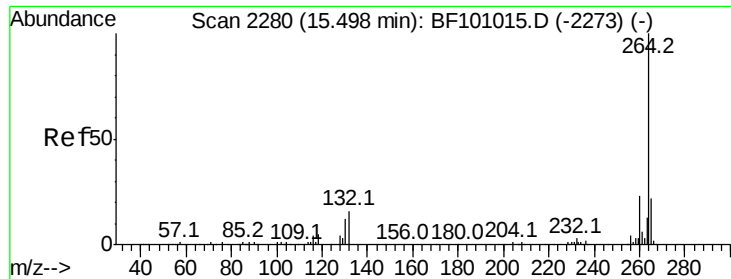
Ion Ratio Lower Upper

276 100

138 23.9 25.0 37.6#

277 29.4 20.1 30.1

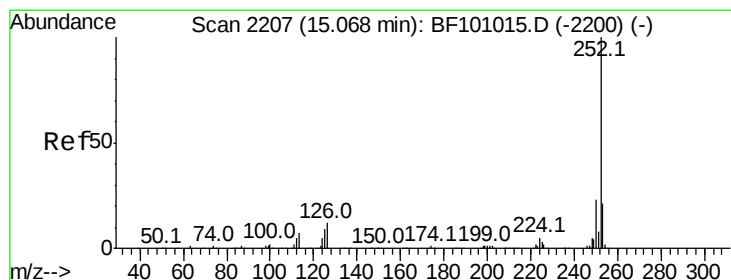
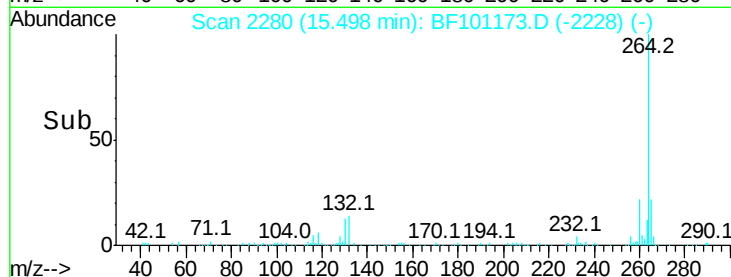
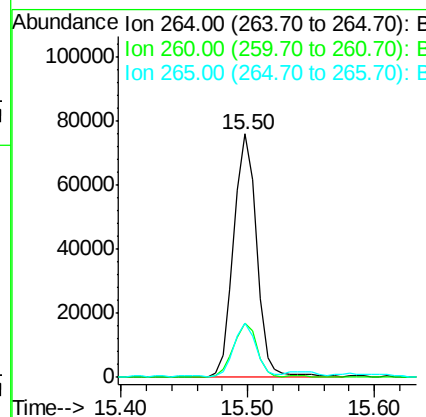
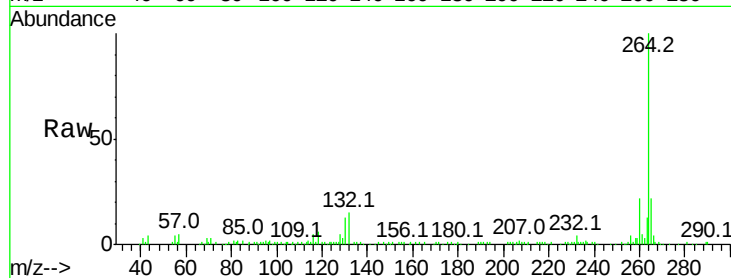




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

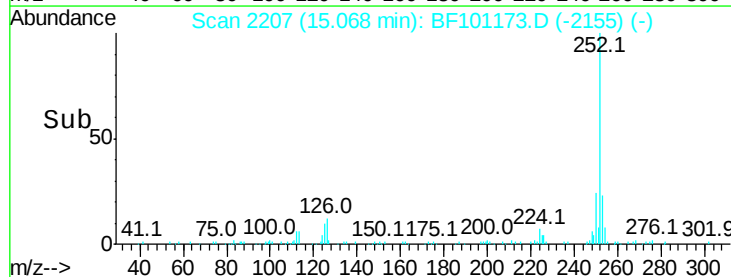
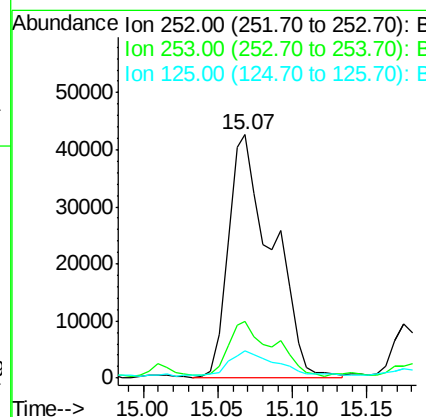
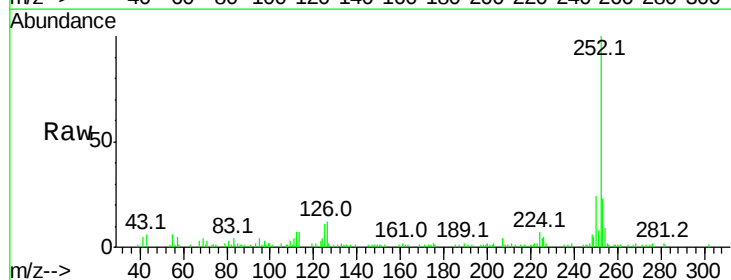
Instrument :
BNA_F
ClientSampleId :
EO-01-120517-C

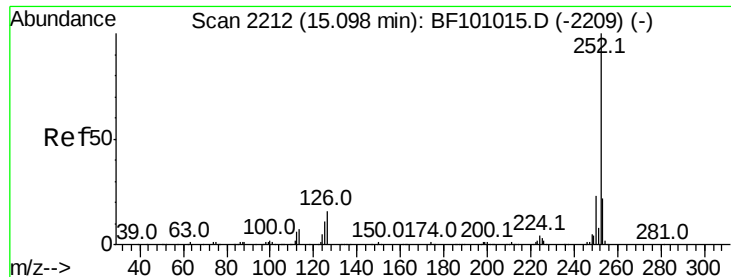
Tot Ion:264 Resp: 95449
Ion Ratio Lower Upper
264 100
260 22.3 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 15.263 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion:252 Resp: 87258
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 11.5 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 15.491 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

ClientSampleId :

EO-01-120517-C

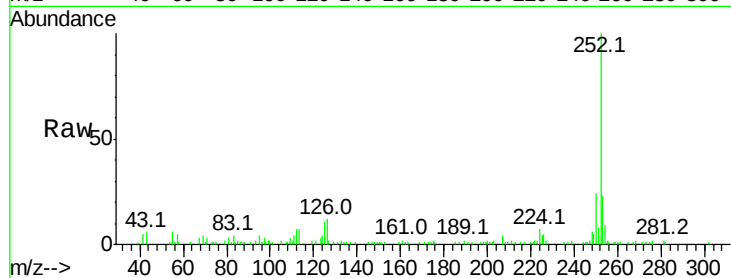
Tot Ion:252 Resp: 87258

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

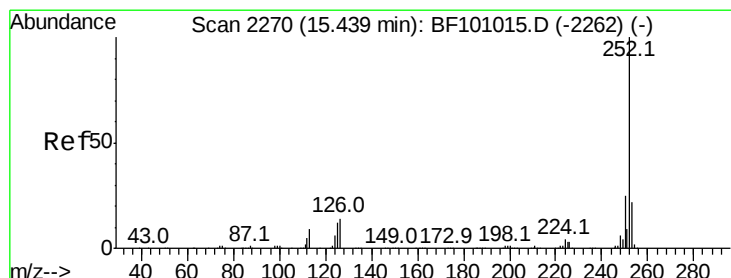
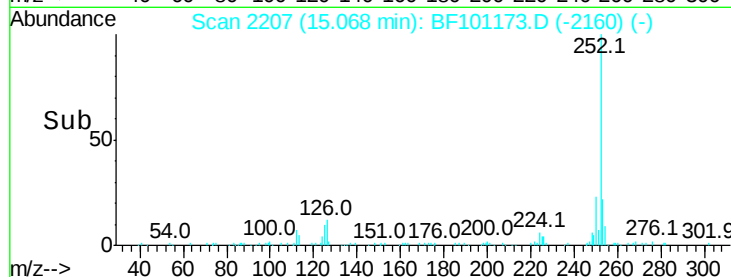
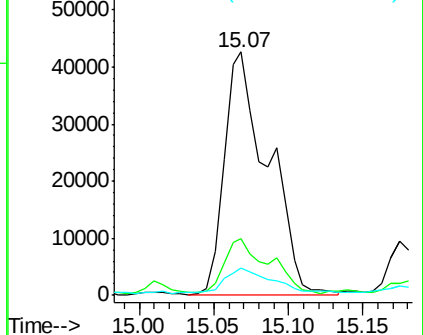
125 11.5 10.2 15.2



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: 9.519 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

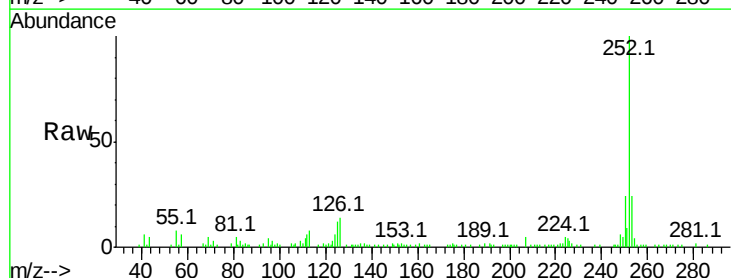
Tgt Ion:252 Resp: 49476

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

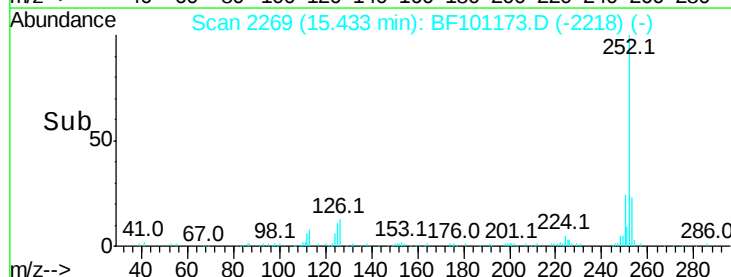
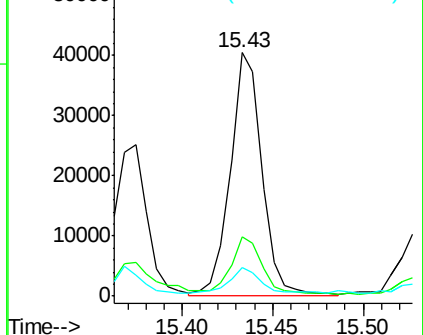
125 11.9 9.8 14.6

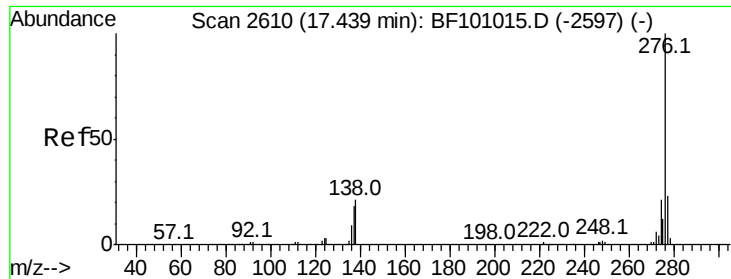


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

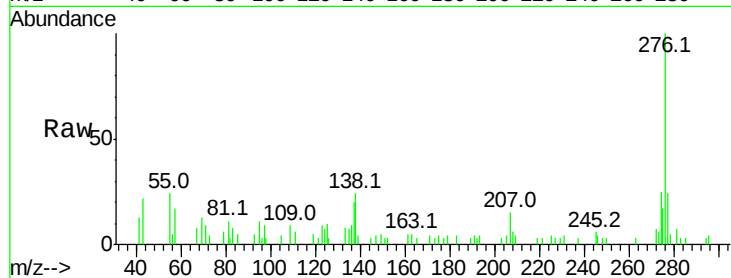




#91
 Benzo(a,h,i)perylene
 Concen: 5.440 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.01 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	23.9	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

