

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084479.D
 Acq On : 14 Jan 2016 9:40
 Operator : SJ/UM
 Sample : H1077-02 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-2-20160108

Quant Time: Jan 14 17:04:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

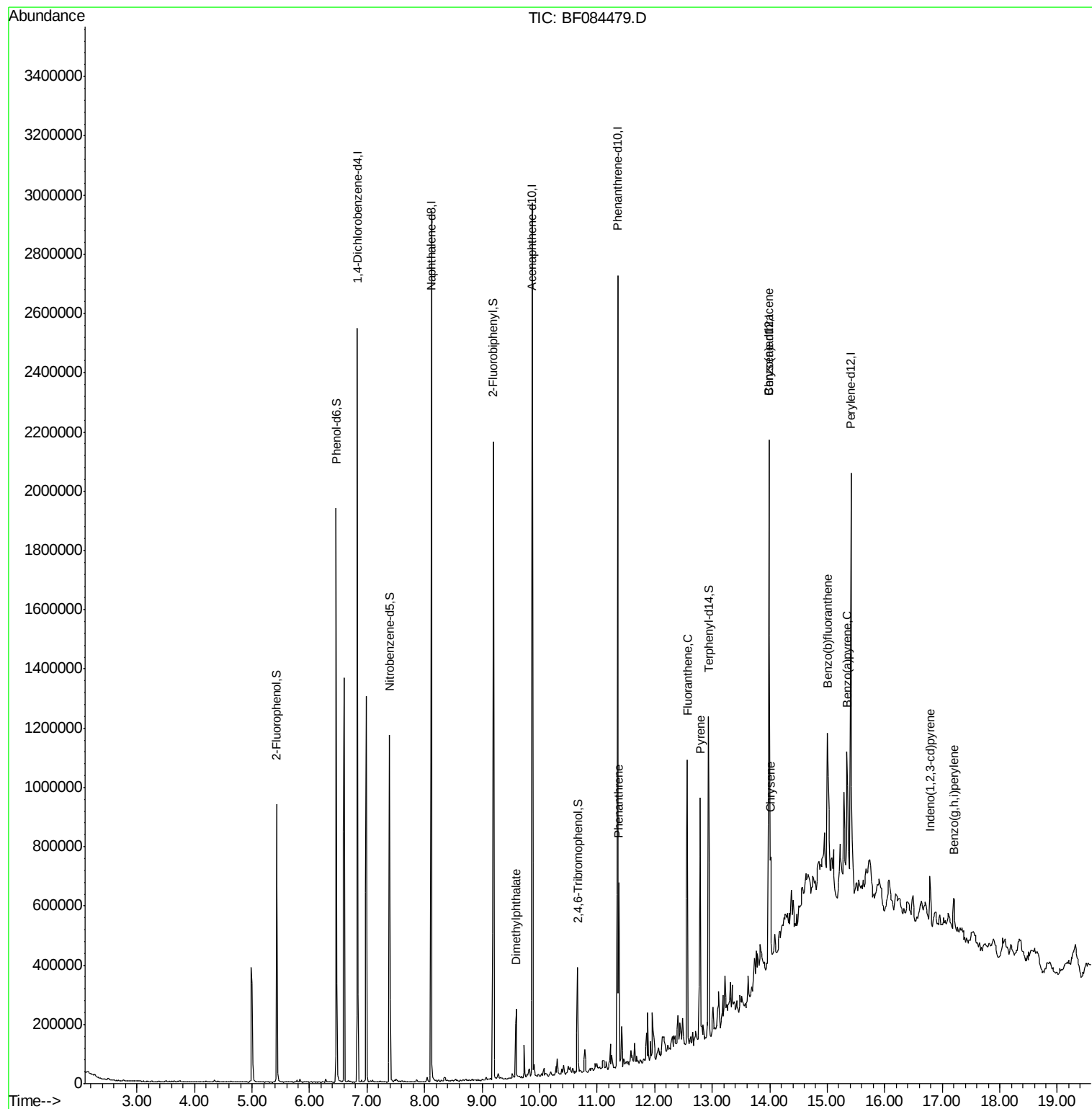
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	339350	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1398863	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	572856	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	917714	20.00	ng	0.00
75) Chrysene-d12	13.98	240	638233	20.00	ng	-0.01
86) Perylene-d12	15.41	264	627975	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	332664	15.86	ng	-0.01
7) Phenol-d6	6.46	99	592134	22.47	ng	-0.01
23) Nitrobenzene-d5	7.39	82	359807	14.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	45189	7.81	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	658806	15.02	ng	0.00
78) Terphenyl-d14	12.93	244	378454	13.24	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	135036	3.30	ng	# 90
70) Phenanthrene	11.38	178	227296	4.73	ng	98
74) Fluoranthene	12.57	202	455848	9.09	ng	94
77) Pyrene	12.80	202	457930	9.14	ng	98
80) Benzo(a)anthracene	13.98	228	252830	6.75	ng	96
82) Chrysene	14.02	228	198800m	5.52	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	116189	4.07	ng	94
87) Benzo(b)fluoranthene	15.00	252	323191m	7.87	ng	
89) Benzo(a)pyrene	15.35	252	213156	6.12	ng	# 88
91) Benzo(g,h,i)perylene	17.21	276	106518	3.43	ng	97

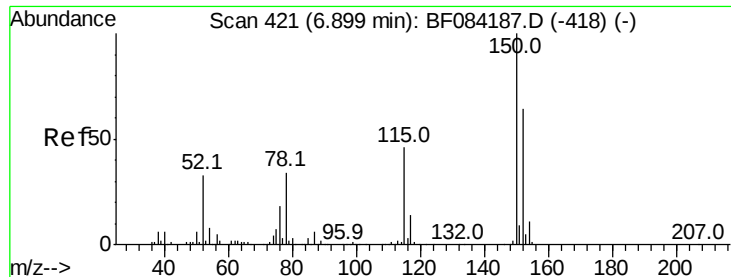
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084479.D
Acq On : 14 Jan 2016 9:40
Operator : SJ/UM
Sample : H1077-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Quant Time: Jan 14 17:04:09 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

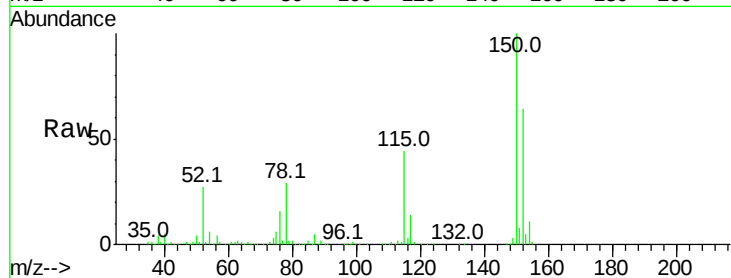
Tot Ion:152 Resp: 339350

Ion Ratio Lower Upper

152 100

150 155.3 123.0 184.4

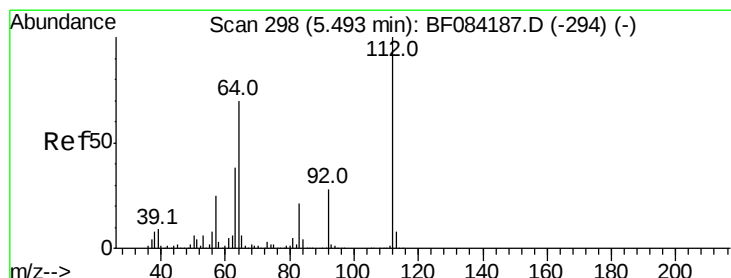
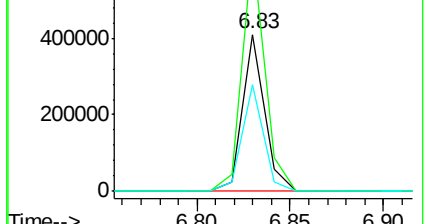
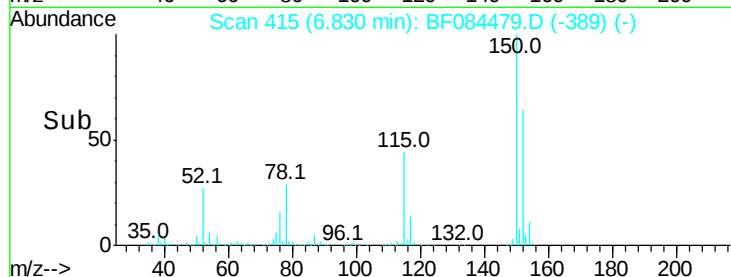
115 68.0 51.4 77.2



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: 15.86 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

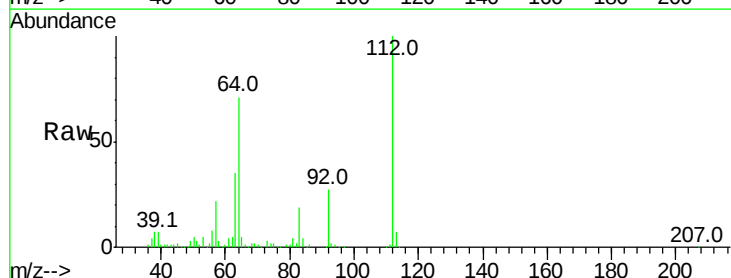
Tgt Ion:112 Resp: 332664

Ion Ratio Lower Upper

112 100

64 70.9 36.6 55.0#

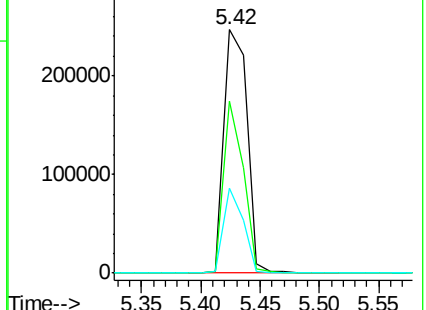
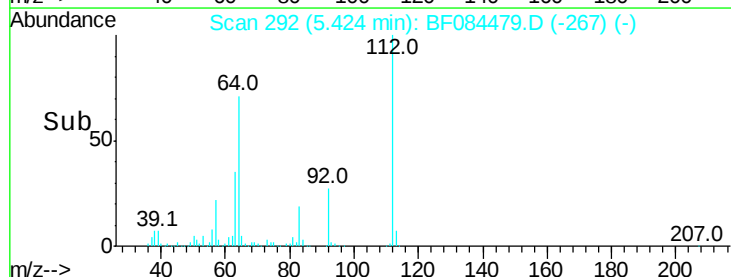
63 34.7 19.4 29.0#

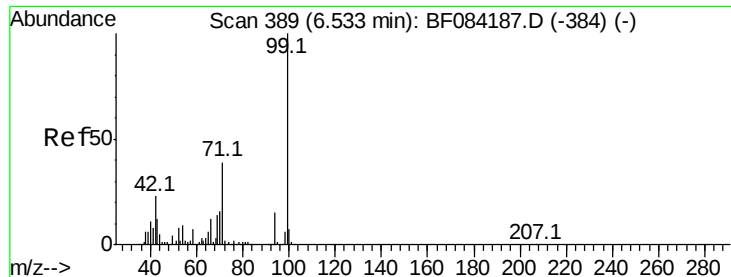


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.47 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

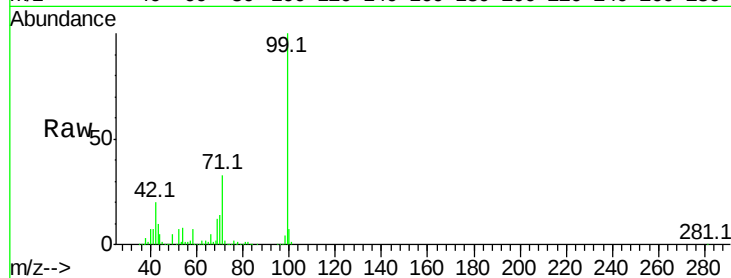
Tot Ion: 99 Resp: 592134

Ion Ratio Lower Upper

99 100

42 20.1 12.8 19.2#

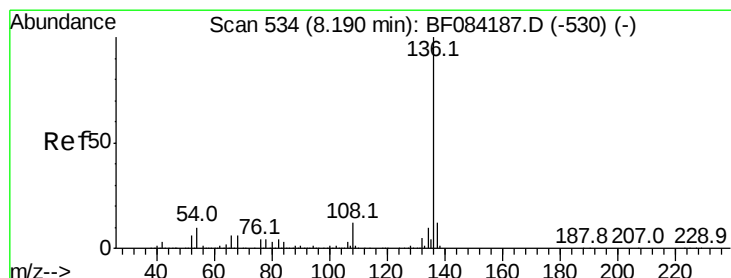
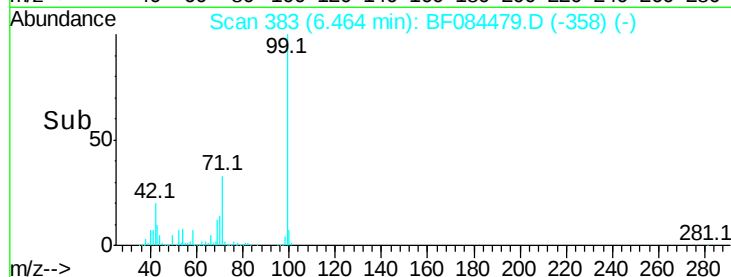
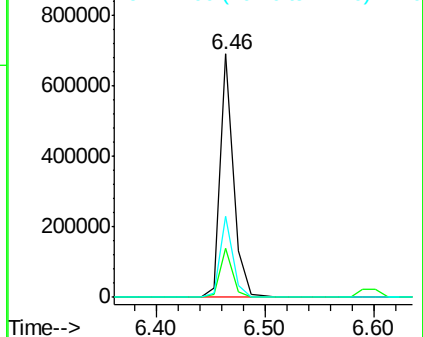
71 33.4 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Tgt Ion: 136 Resp: 1398863

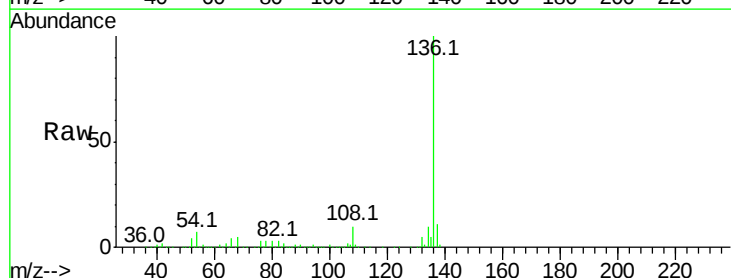
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.2 5.8 8.8

68 4.8 4.2 6.2

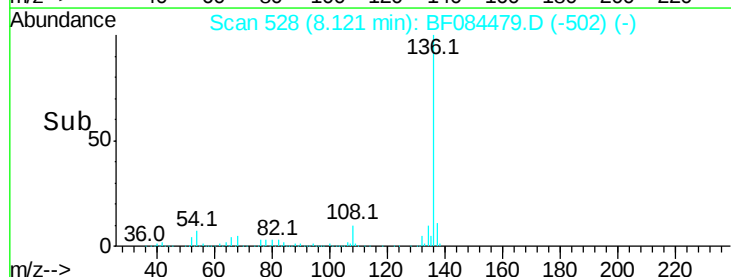
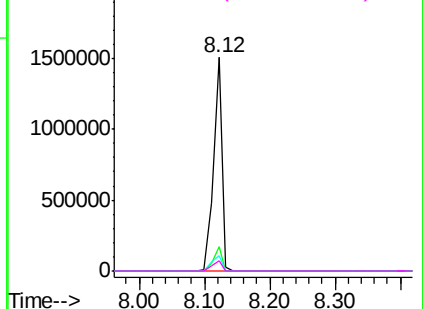


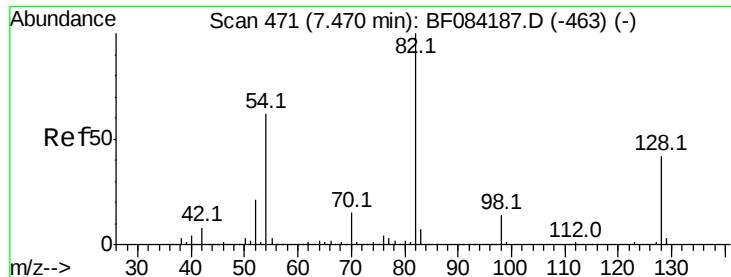
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

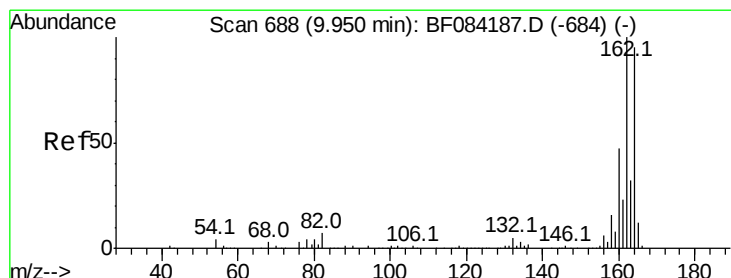
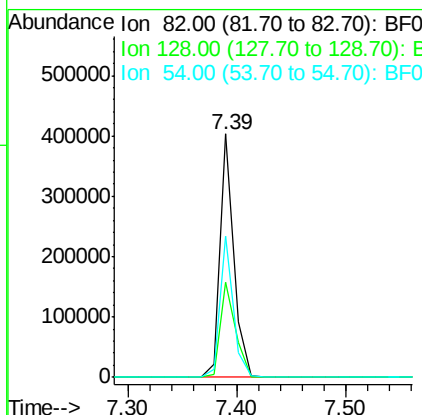
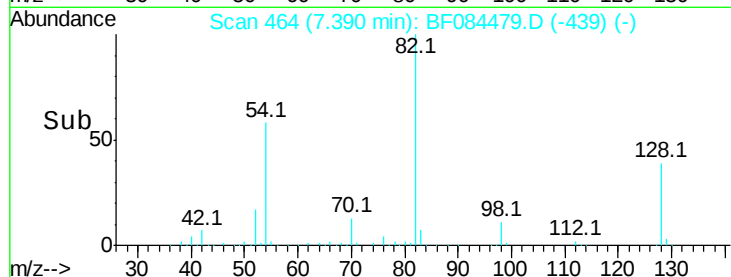
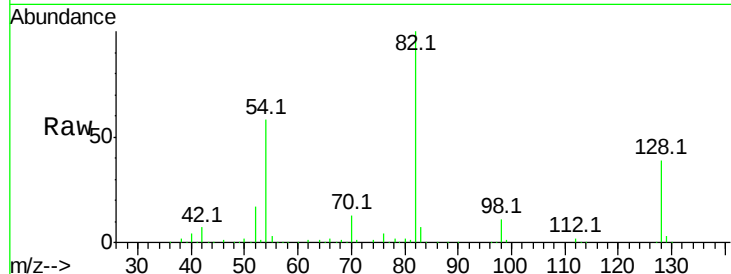




#23
 Nitrobenzene-d5
 Concen: 14.32 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: BF084479.D
 Acq: 14 Jan 2016 9:40

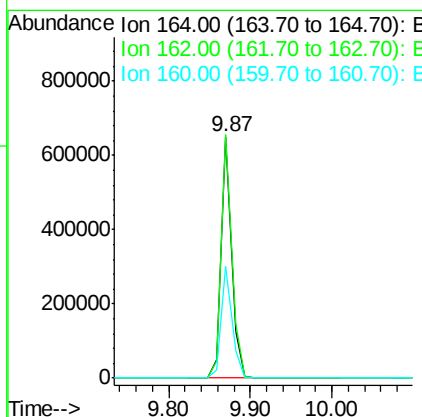
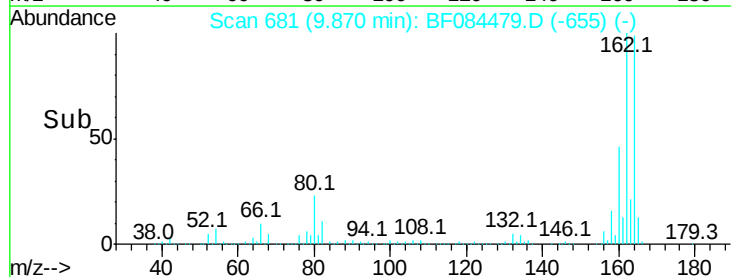
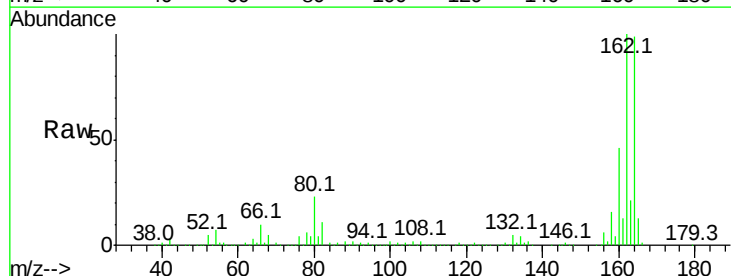
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-2-20160108

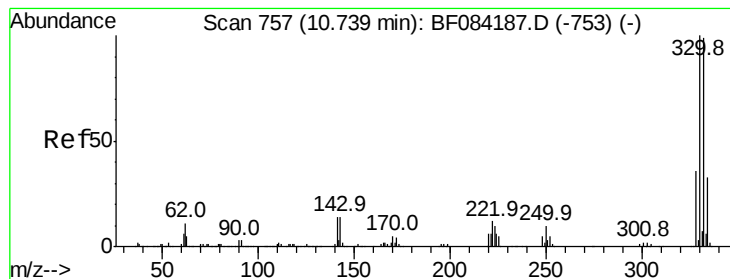
Tot Ion: 82 Resp: 359807
 Ion Ratio Lower Upper
 82 100
 128 38.9 34.6 51.8
 54 58.0 38.4 57.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BF084479.D
 Acq: 14 Jan 2016 9:40

Tgt Ion:164 Resp: 572856
 Ion Ratio Lower Upper
 164 100
 162 100.8 85.1 127.7
 160 46.0 37.5 56.3





#41

2,4,6-Tribromophenol

Concen: 7.81 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

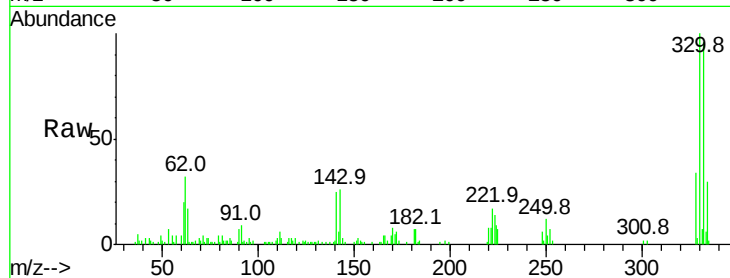
Tot Ion:330 Resp: 45189

Ion Ratio Lower Upper

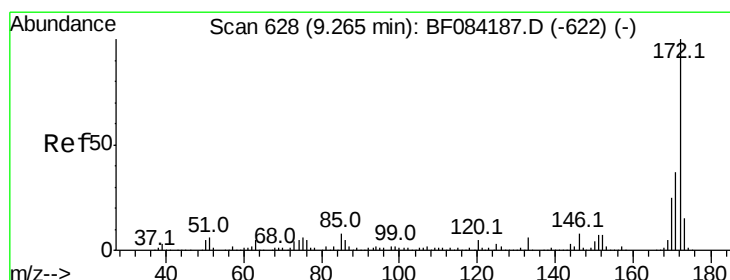
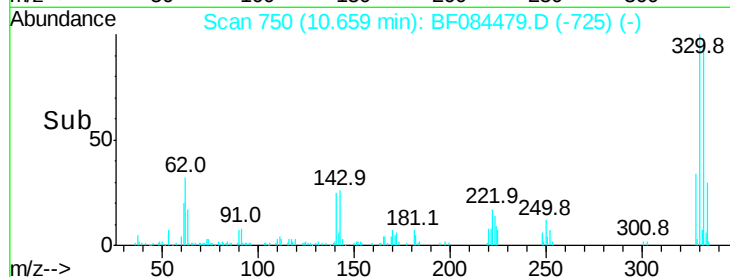
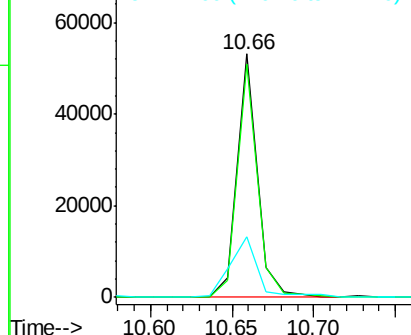
330 100

332 95.6 76.6 114.8

141 34.3 27.8 41.6



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: 15.02 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

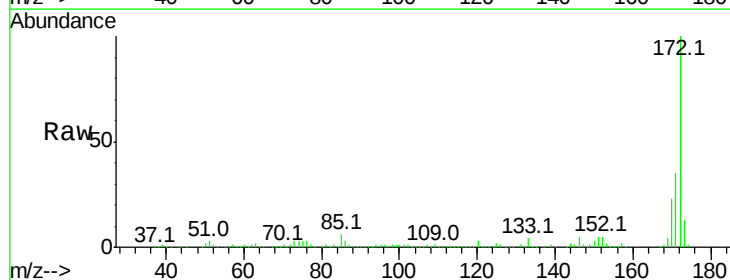
Tgt Ion:172 Resp: 658806

Ion Ratio Lower Upper

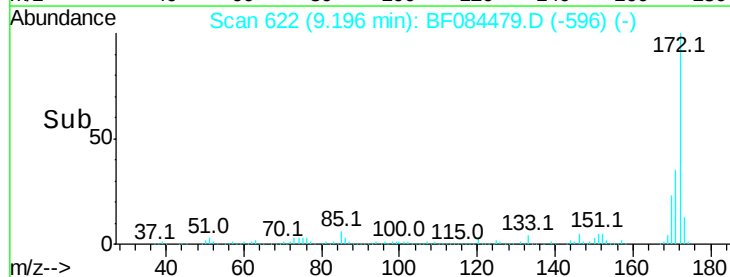
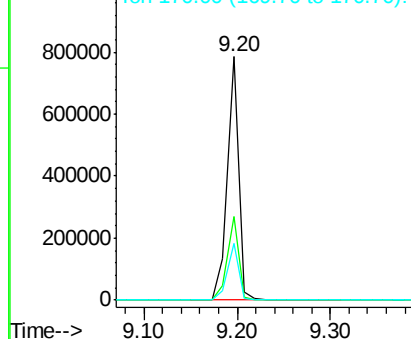
172 100

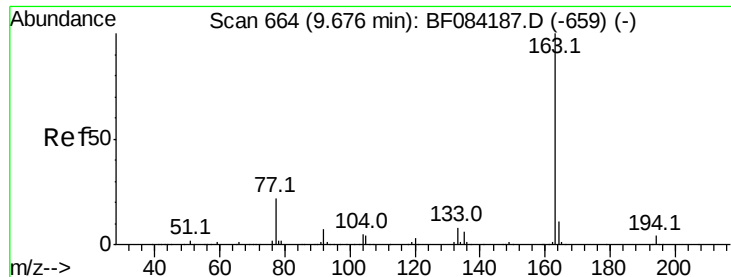
171 34.5 28.9 43.3

170 23.3 18.6 27.8



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

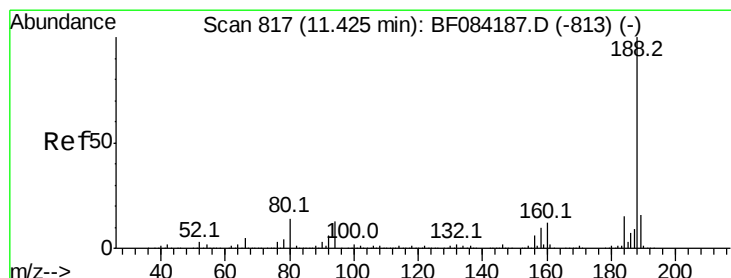
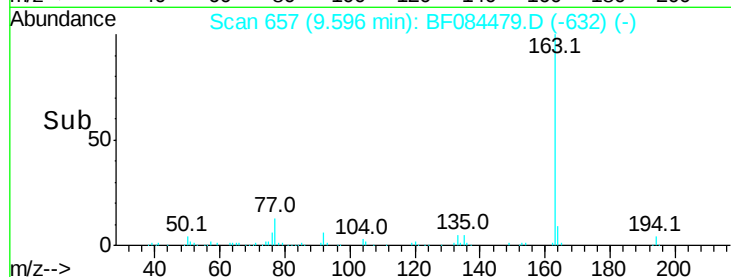
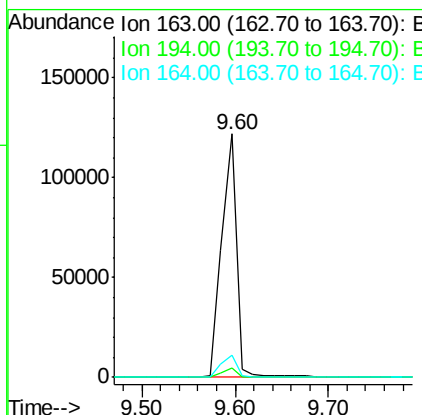
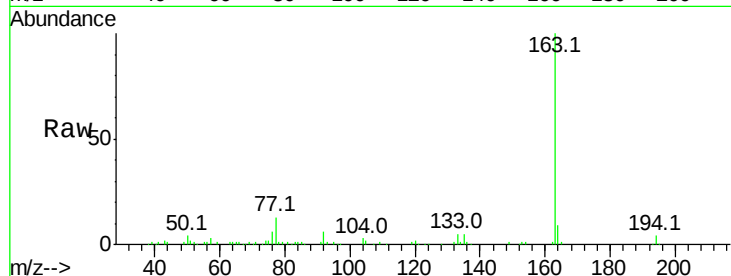




#49
Dimethylphthalate
Concen: 3.30 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

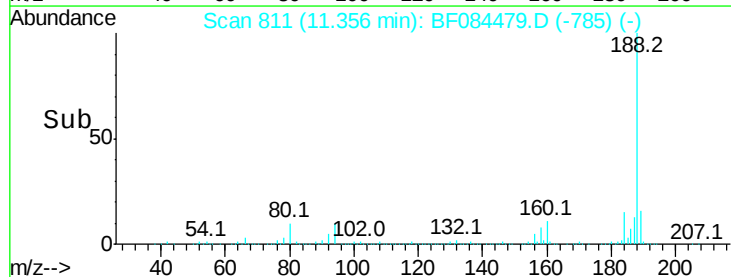
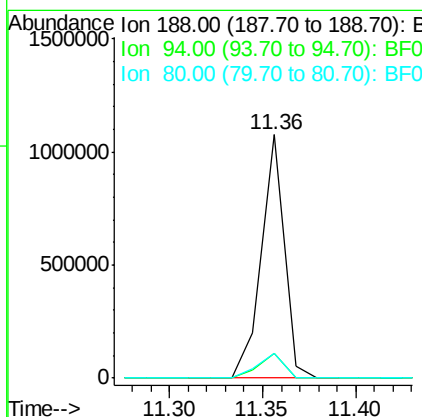
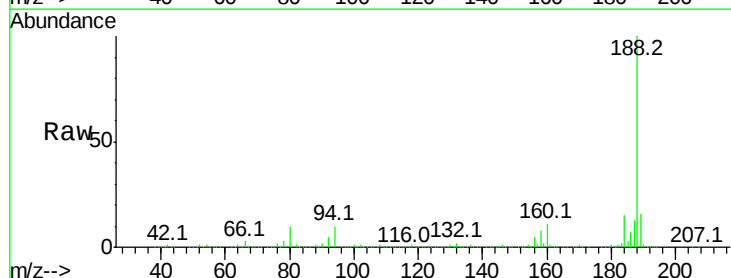
Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

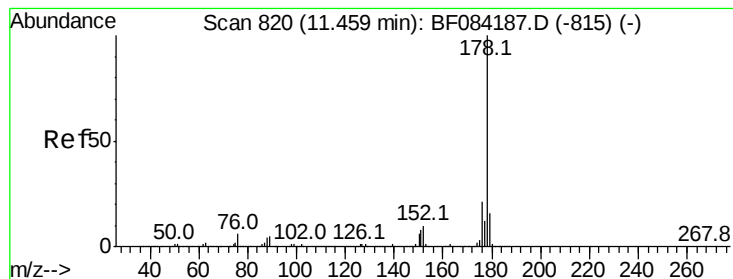
Tot Ion:163 Resp: 135036
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 9.2 8.0 12.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:188 Resp: 917714
Ion Ratio Lower Upper
188 100
94 10.0 9.0 13.4
80 10.0 9.6 14.4





#70

Phenanthrene

Concen: 4.73 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

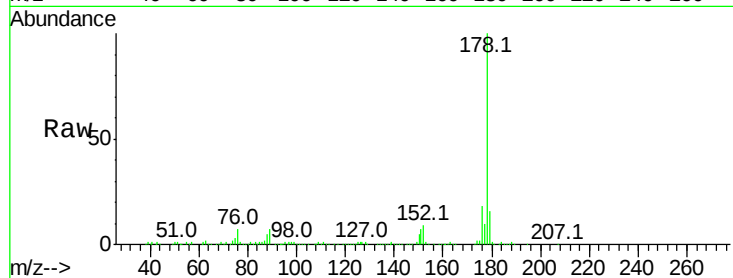
Tot Ion:178 Resp: 227296

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

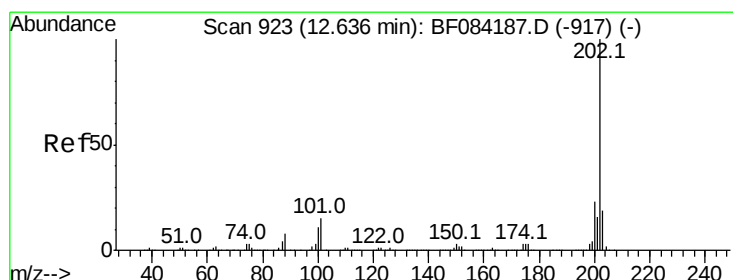
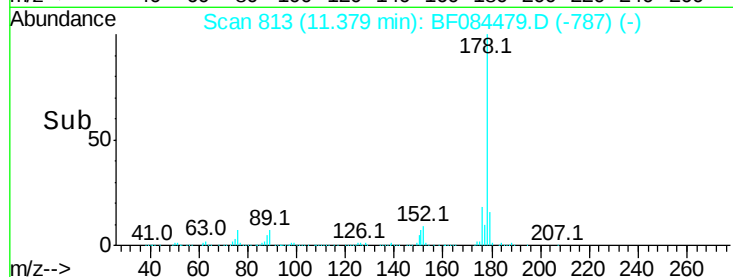
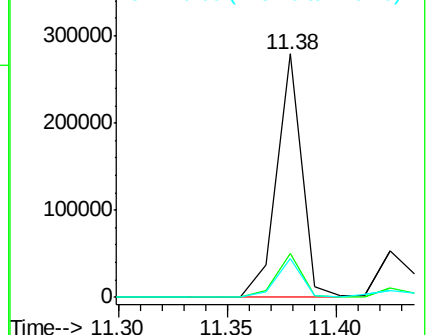
179 15.7 12.0 18.0



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: 9.09 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

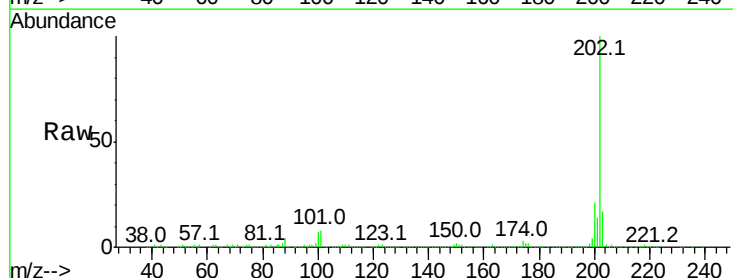
Tgt Ion:202 Resp: 455848

Ion Ratio Lower Upper

202 100

101 8.4 0.0 32.8

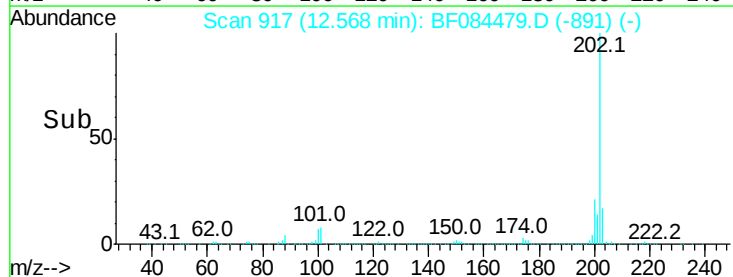
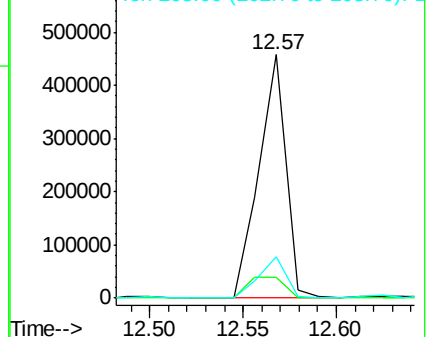
203 17.2 0.0 37.9

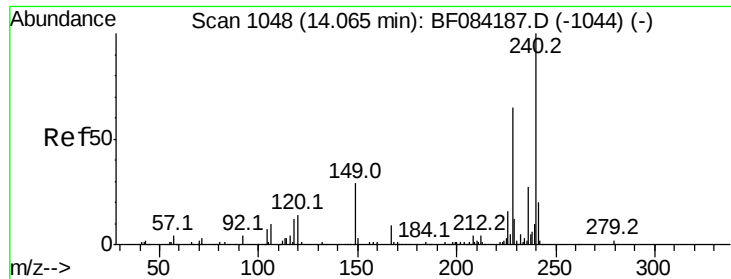


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

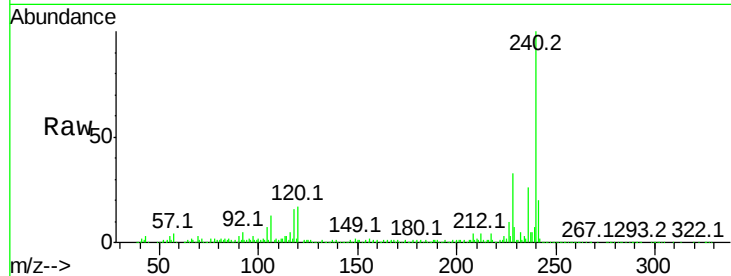
Tot Ion:240 Resp: 638233

Ion Ratio Lower Upper

240 100

120 17.0 9.5 14.3#

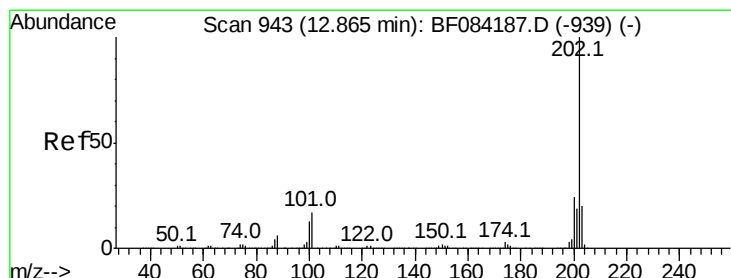
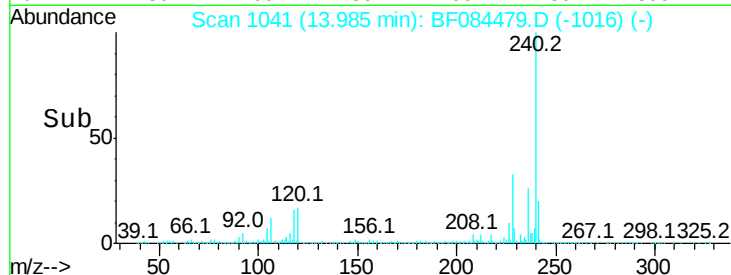
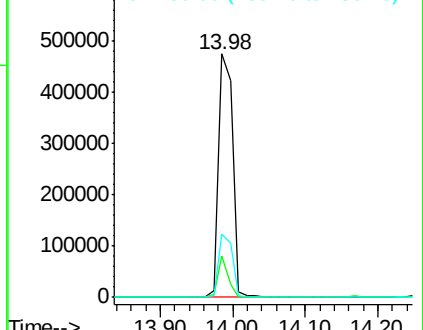
236 26.0 20.6 31.0



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: 9.14 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

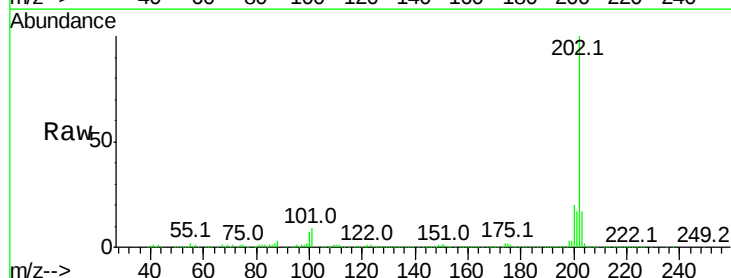
Tgt Ion:202 Resp: 457930

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

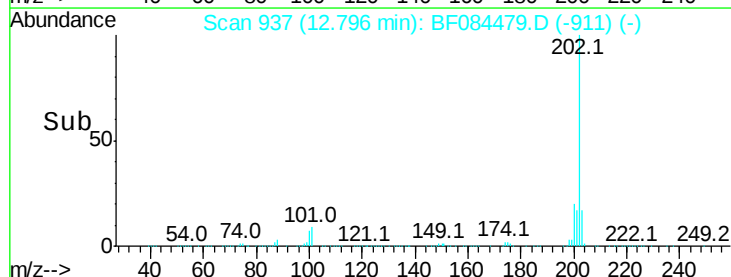
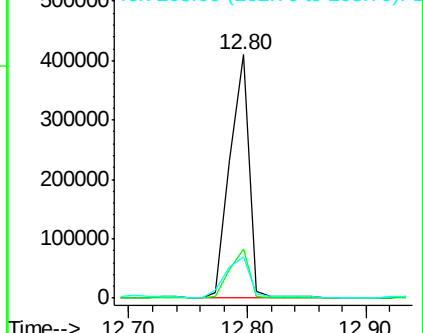
203 17.2 14.3 21.5

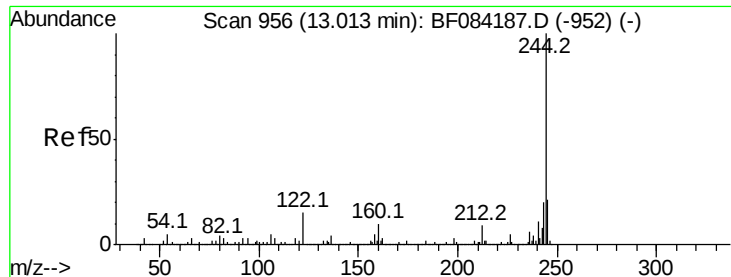


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.24 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

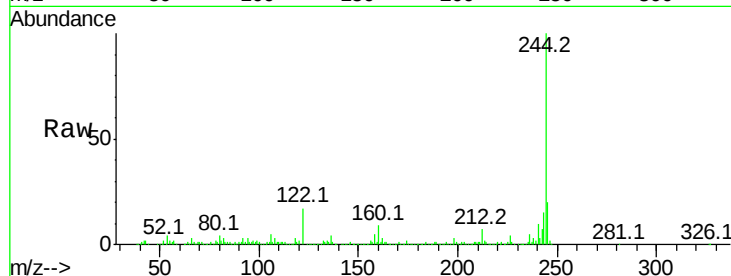
Tot Ion:244 Resp: 378454

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

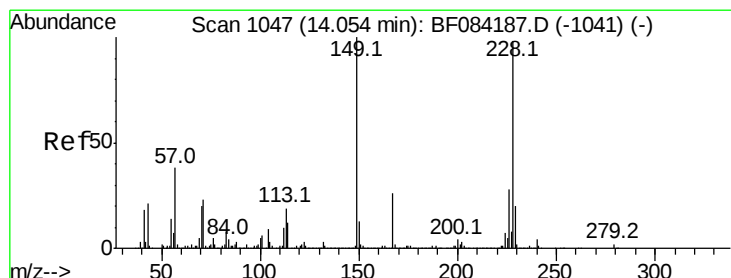
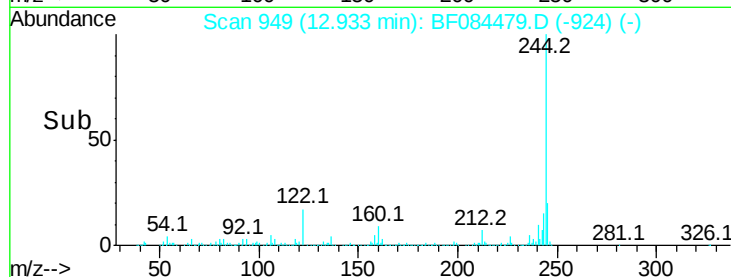
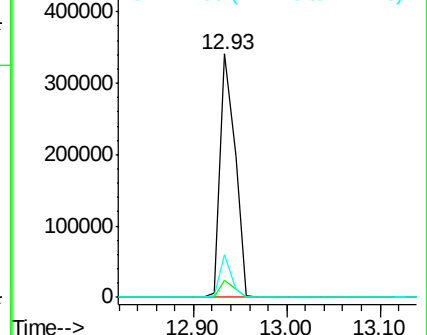
122 17.5 7.4 11.0#



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: 6.75 ng

RT: 13.98 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

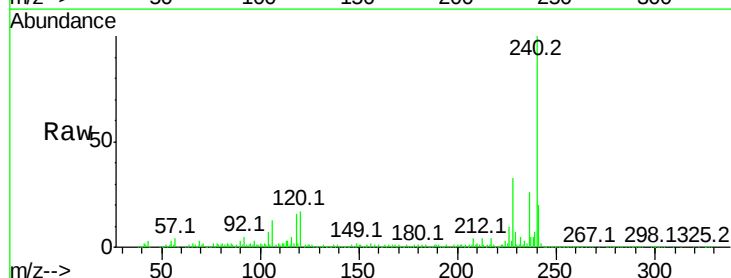
Tgt Ion:228 Resp: 252830

Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.6

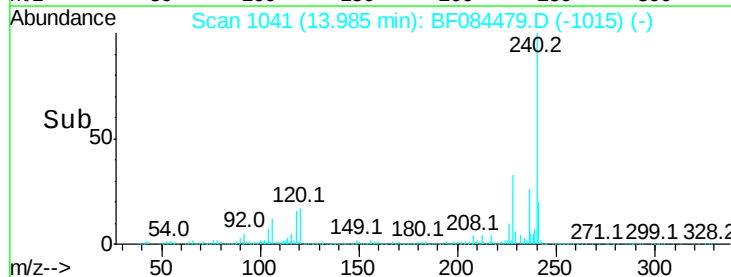
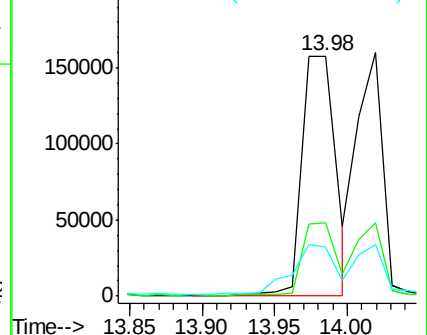
229 20.6 15.8 23.8

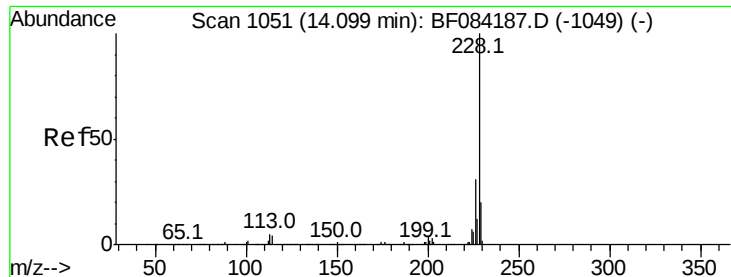


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.52 ng/mL

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

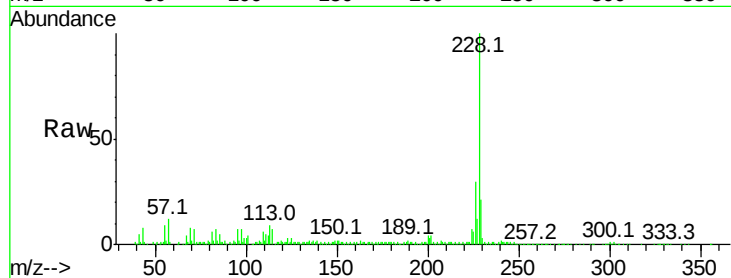
BNA_F

ClientSampleId :

POST-EX-2-20160108

Tot Ion:228 Resp: 198800

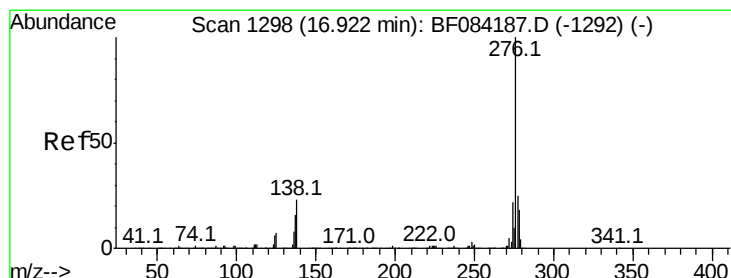
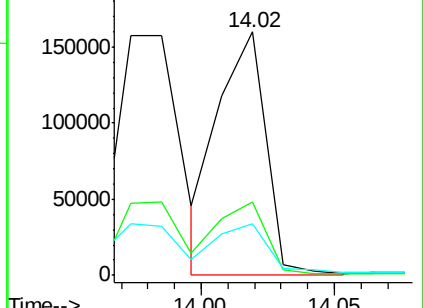
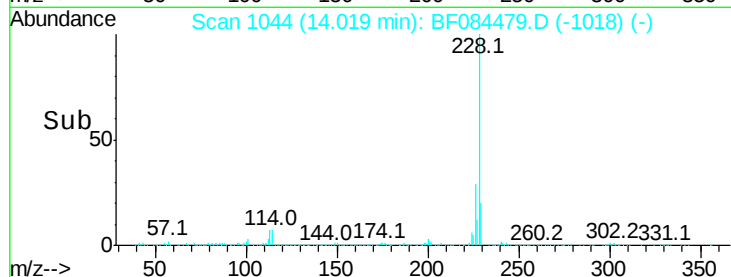
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	21.2	16.1	24.1



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.07 ng/mL

RT: 16.79 min Scan# 1286

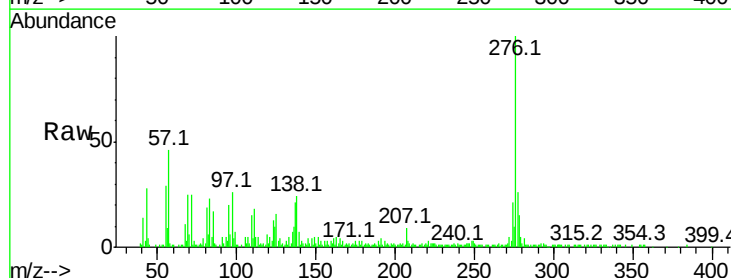
Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Tgt Ion:276 Resp: 116189

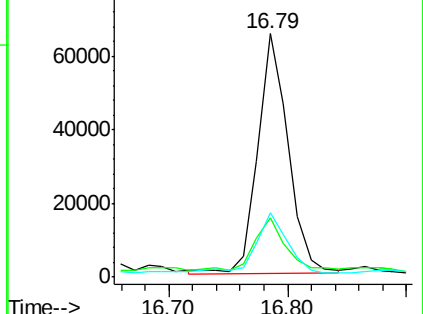
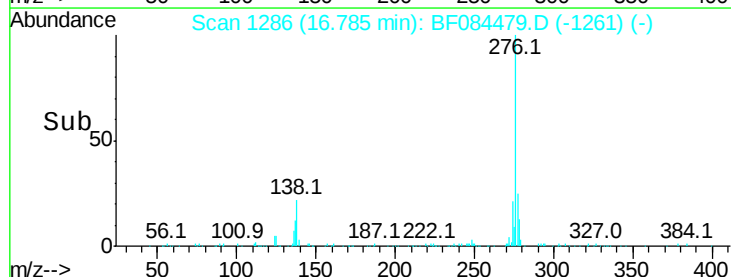
Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.6	30.8
277	28.6	20.1	30.1

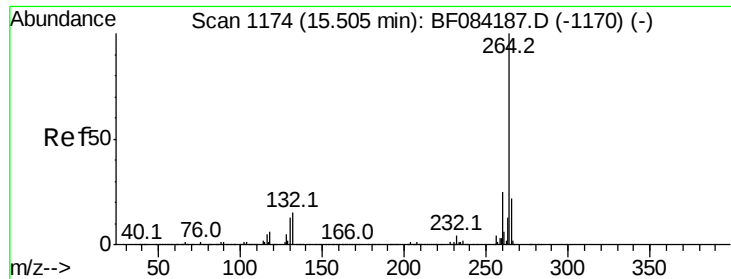


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

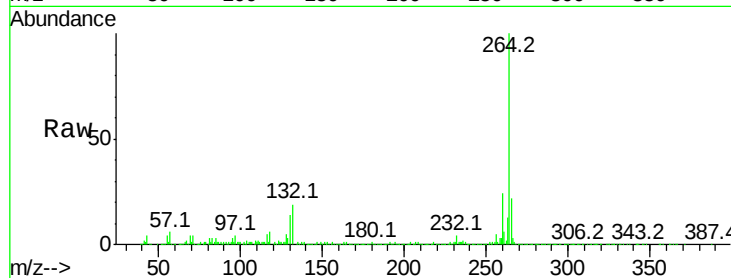




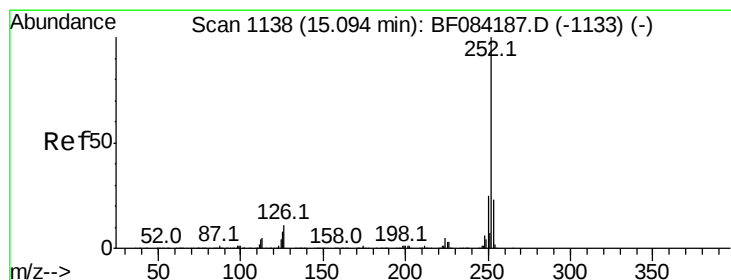
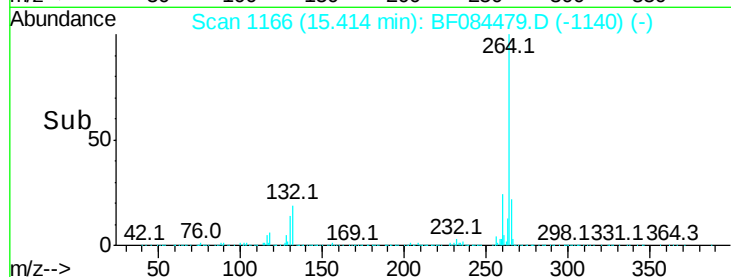
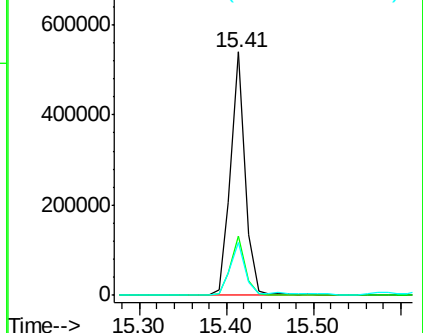
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tot Ion:264 Resp: 627975
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.8 17.8 26.6

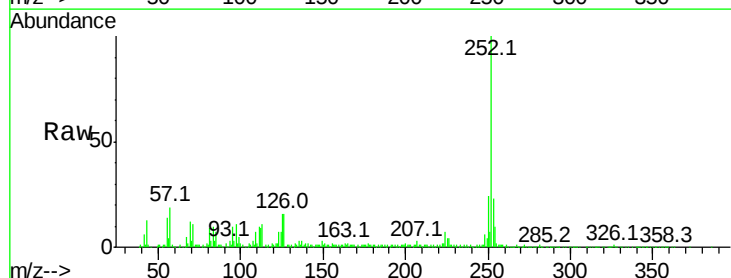


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

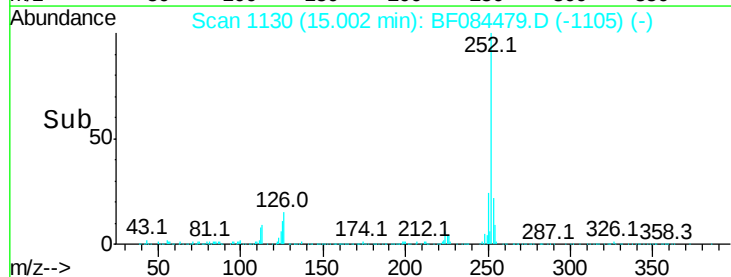
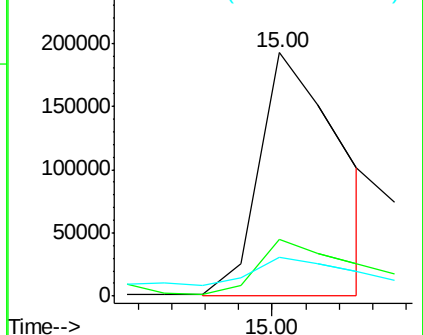


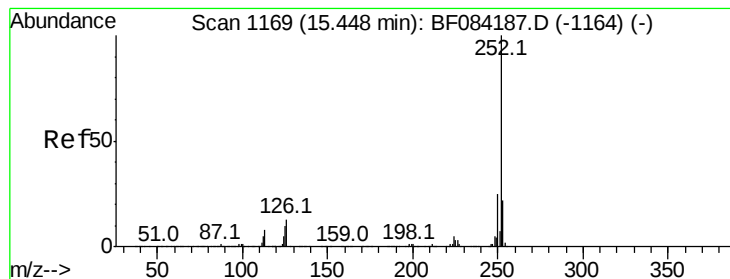
#87
Benzo(b)fluoranthene
Concen: 7.87 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:252 Resp: 323191
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 15.7 6.5 9.7#



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: 6.12 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

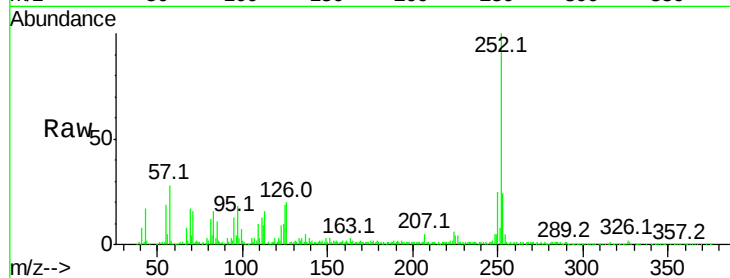
Tot Ion:252 Resp: 213156

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

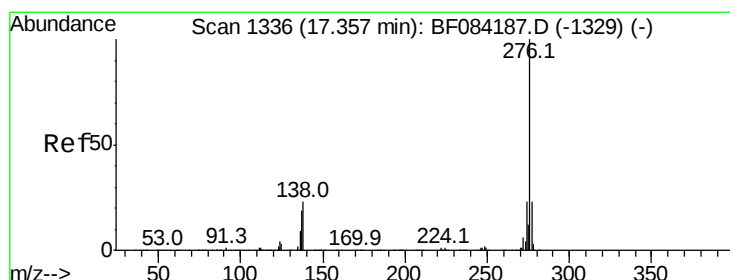
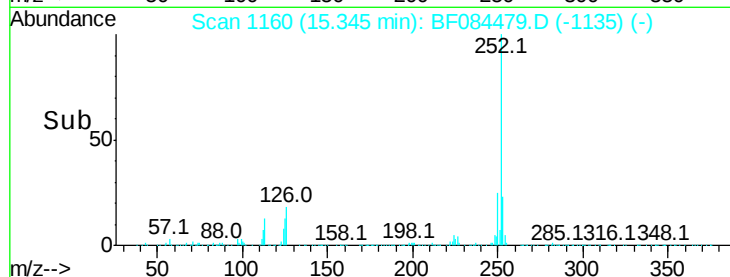
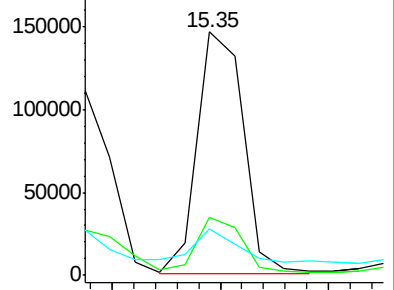
125 19.2 7.0 10.4#



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: 3.43 ng

RT: 17.21 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

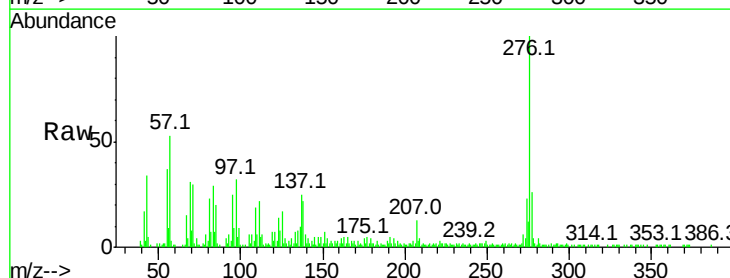
Tgt Ion:276 Resp: 106518

Ion Ratio Lower Upper

276 100

277 26.4 18.8 28.2

138 22.2 17.8 26.6



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

