

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084478.D
 Acq On : 14 Jan 2016 9:12
 Operator : SJ/UM
 Sample : H1077-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-1-20160108

Quant Time: Jan 14 17:01:38 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

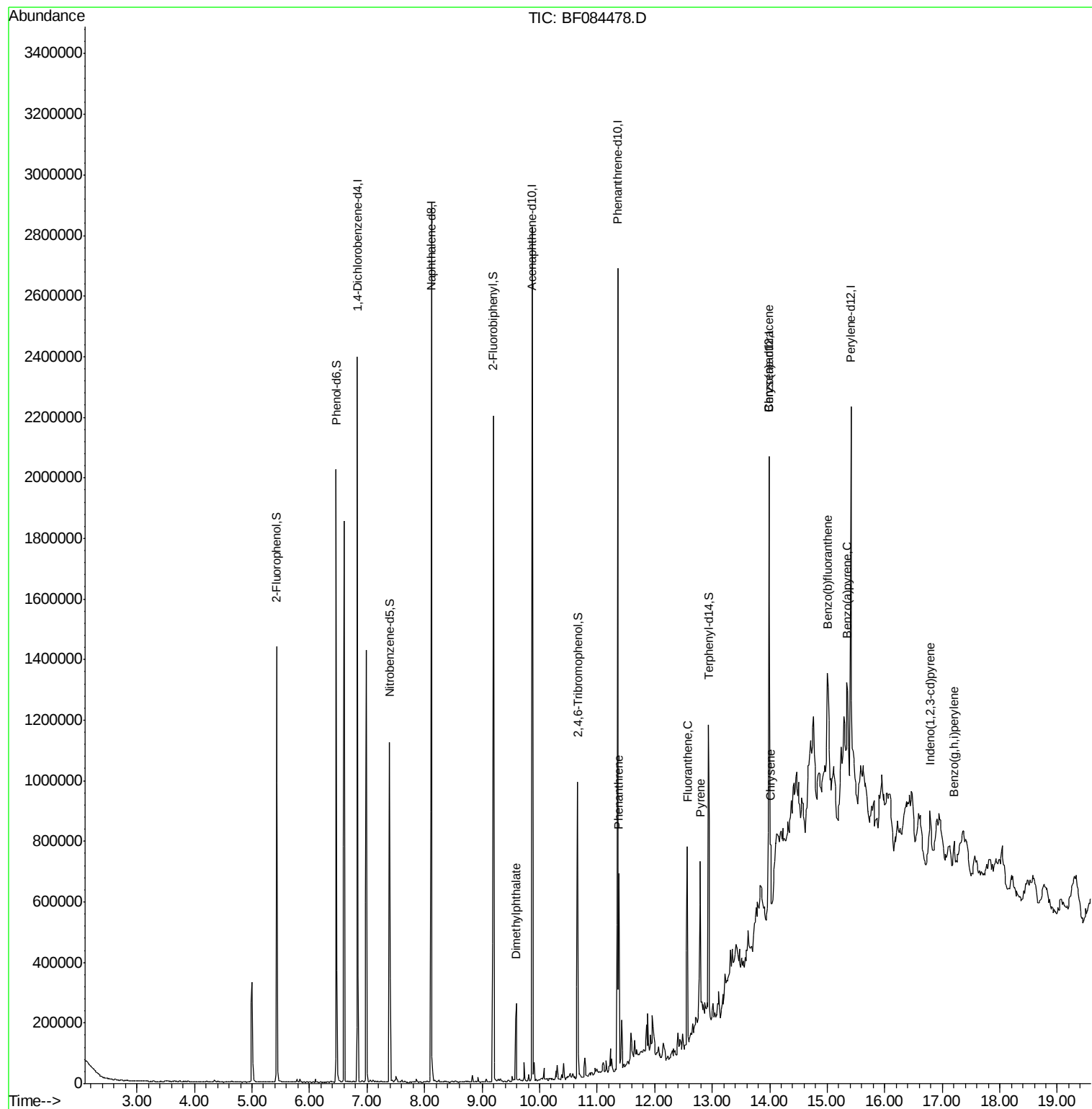
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	320179	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1320283	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	541472	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	903400	20.00	ng	0.00
75) Chrysene-d12	13.99	240	596096	20.00	ng	-0.01
86) Perylene-d12	15.41	264	602819	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	504626	25.49	ng	-0.01
7) Phenol-d6	6.46	99	619998	24.94	ng	-0.01
23) Nitrobenzene-d5	7.39	82	358427	15.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	119969	21.95	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	653307	16.10	ng	0.00
78) Terphenyl-d14	12.93	244	372420	13.95	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.60	163	152773	3.95	ng	Qvalue # 92
70) Phenanthrene	11.38	178	224898	4.76	ng	99
74) Fluoranthene	12.57	202	305995	6.20	ng	94
77) Pyrene	12.80	202	279015	5.96	ng	98
80) Benzo(a)anthracene	13.99	228	151254	4.32	ng	95
82) Chrysene	14.02	228	121226m	3.60	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	75612	2.84	ng	98
87) Benzo(b)fluoranthene	15.00	252	200492m	5.08	ng	
89) Benzo(a)pyrene	15.35	252	127529	3.81	ng	# 77
91) Benzo(g,h,i)perylene	17.21	276	74899	2.51	ng	95

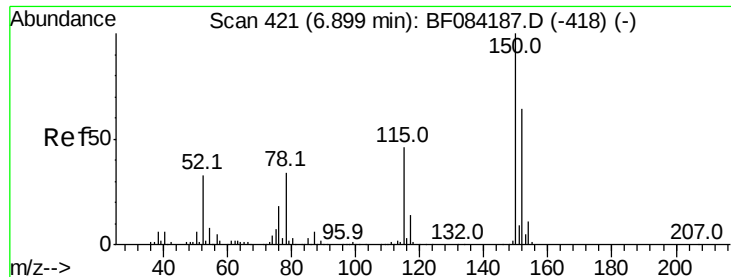
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 14 17:01:38 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: BF084478.D

Acq: 14 Jan 2016 9:12

Instrument :

BNA_F

ClientSampleId :

POST-EX-1-20160108

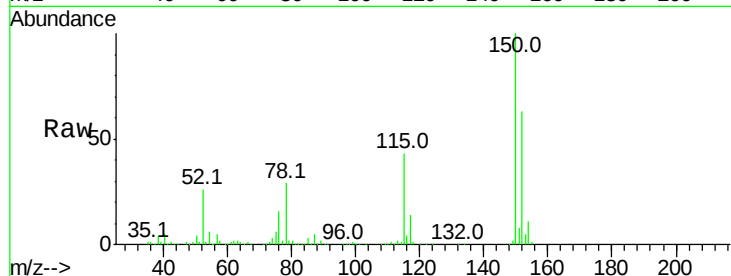
Tot Ion:152 Resp: 320179

Ion Ratio Lower Upper

152 100

150 158.0 123.0 184.4

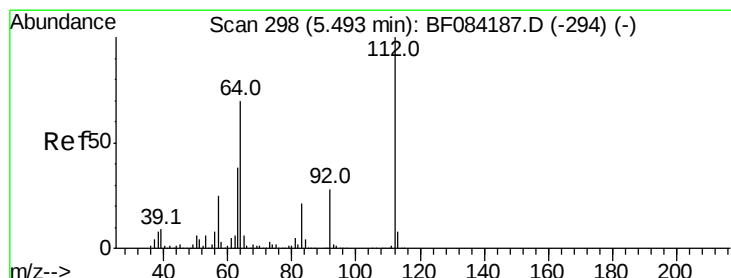
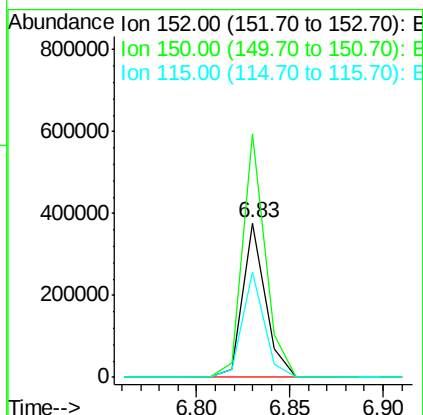
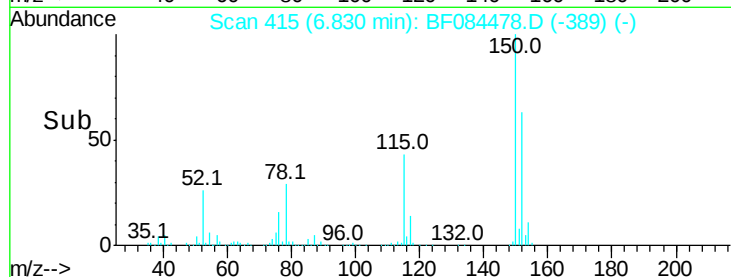
115 68.5 51.4 77.2



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: 25.49 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

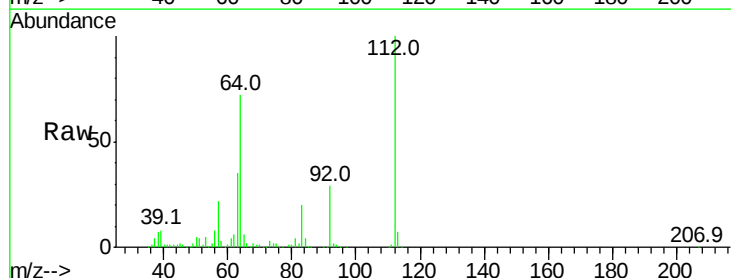
Tgt Ion:112 Resp: 504626

Ion Ratio Lower Upper

112 100

64 71.6 36.6 55.0#

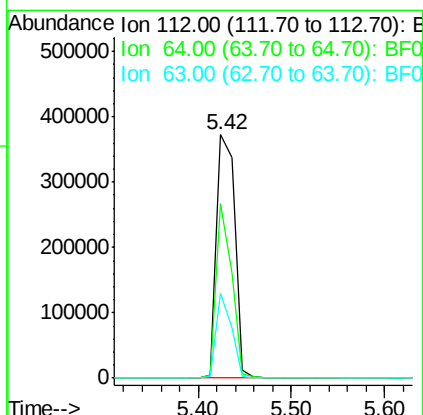
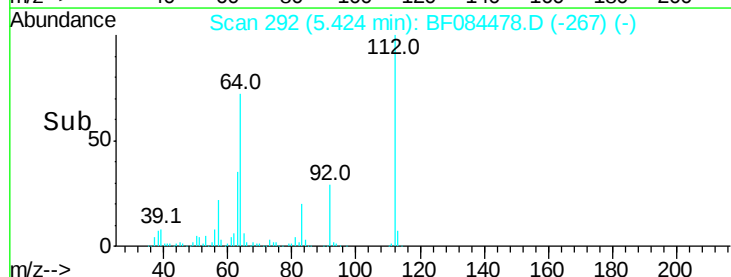
63 35.0 19.4 29.0#

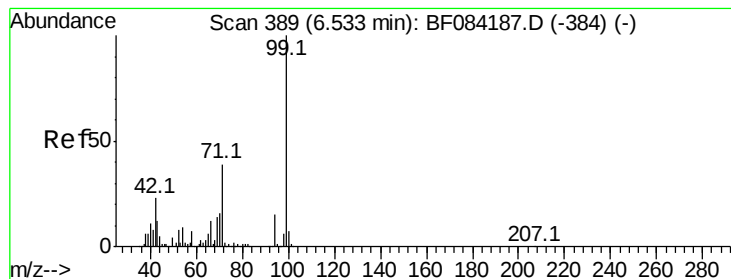


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.94 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

Instrument :

BNA_F

ClientSampleId :

POST-EX-1-20160108

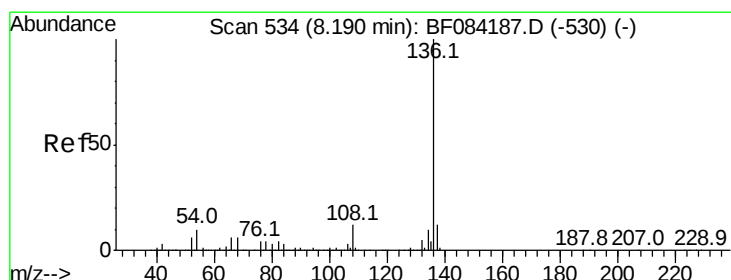
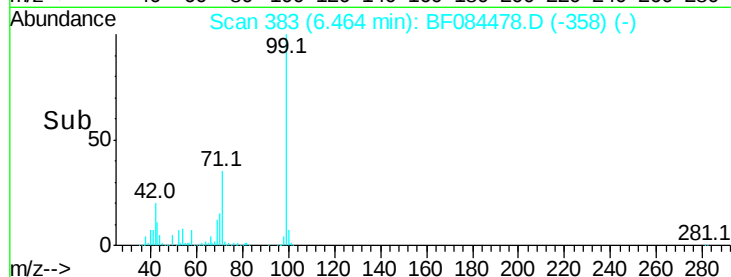
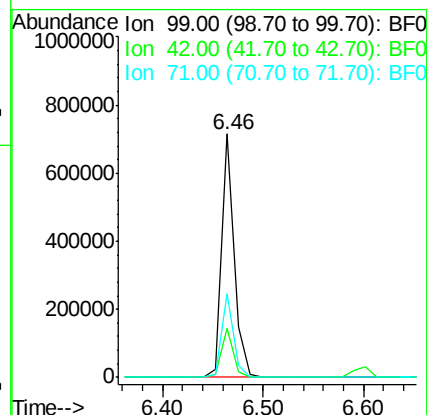
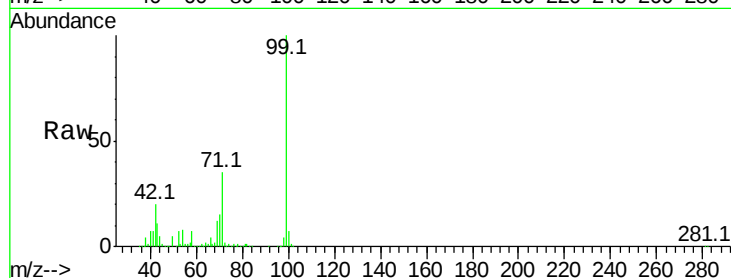
Tot Ion: 99 Resp: 619998

Ion Ratio Lower Upper

99 100

42 20.3 12.8 19.2#

71 34.5 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

Tgt Ion: 136 Resp: 1320283

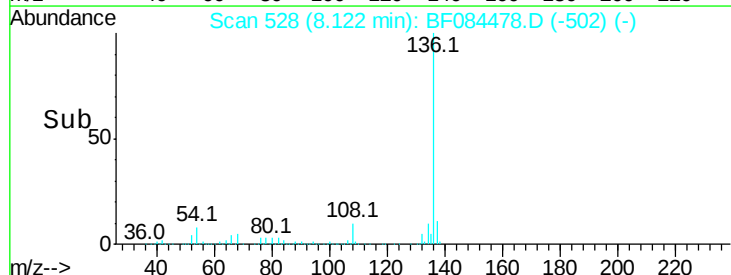
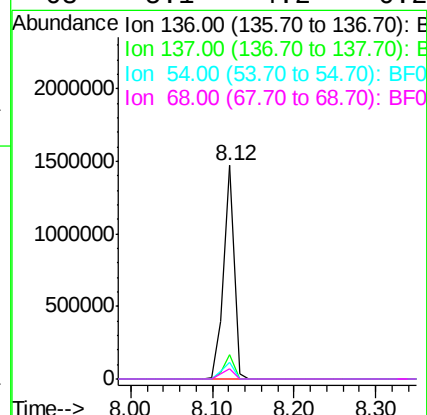
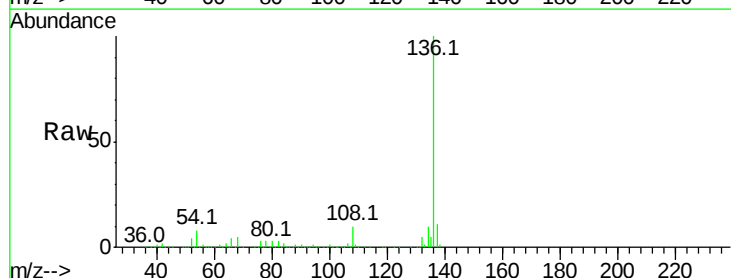
Ion Ratio Lower Upper

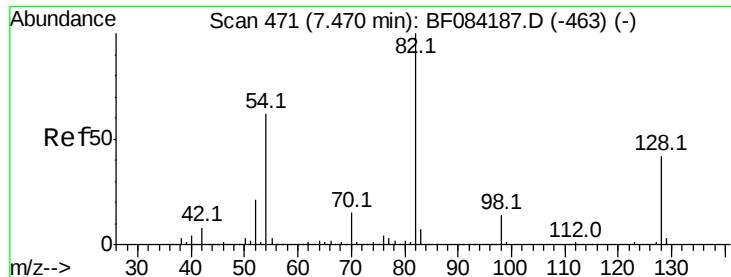
136 100

137 11.5 8.7 13.1

54 7.6 5.8 8.8

68 5.1 4.2 6.2

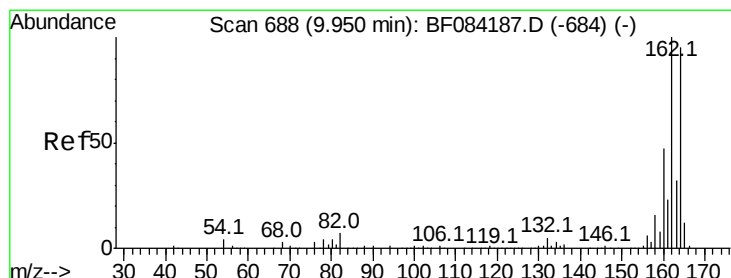
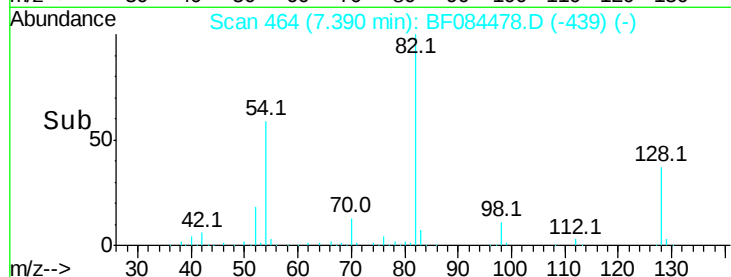
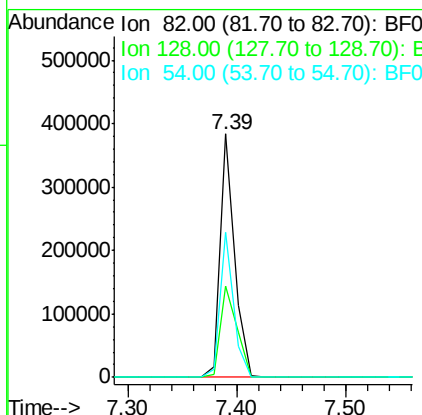
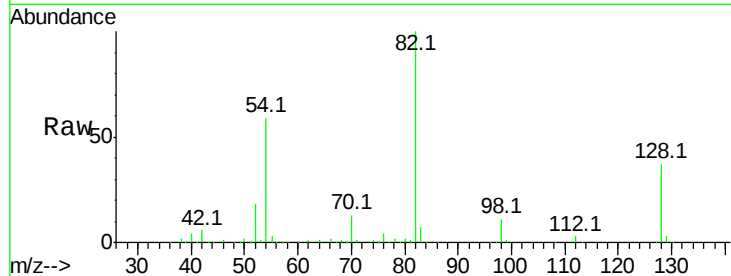




#23
 Nitrobenzene-d5
 Concen: 15.11 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: BF084478.D
 Acq: 14 Jan 2016 9:12

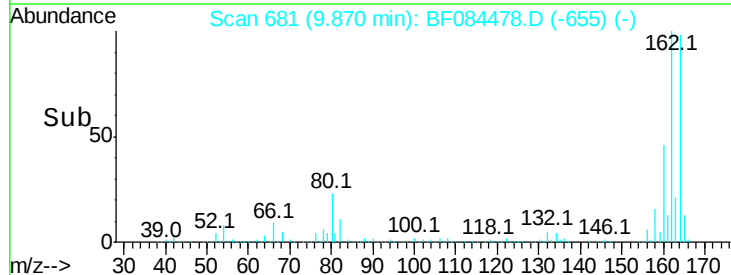
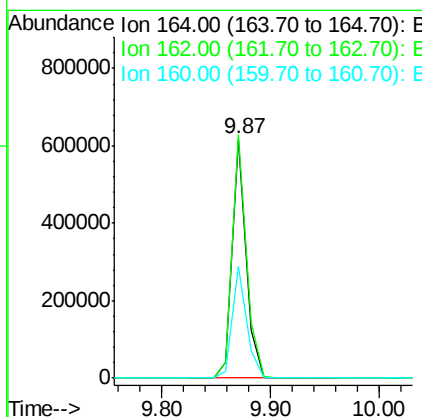
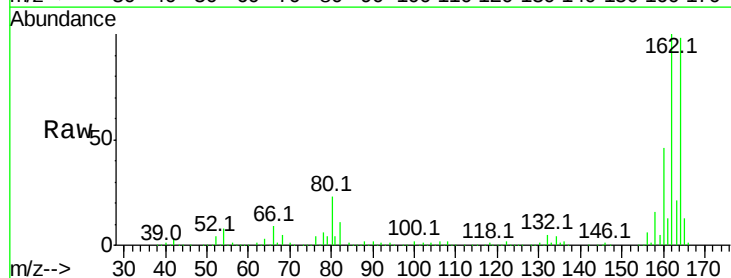
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-1-20160108

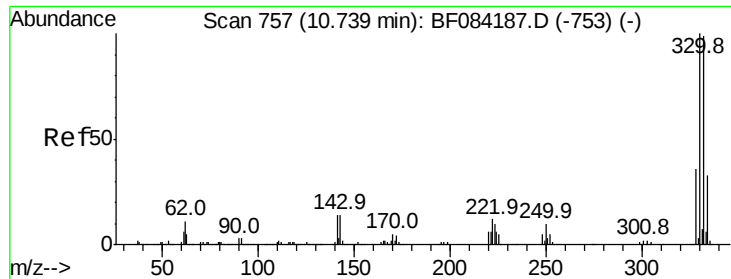
Tot Ion	82	Resp	358427
Ion Ratio	Lower	Upper	
82	100		
128	37.4	34.6	51.8
54	59.4	38.4	57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.00 min
 Lab File: BF084478.D
 Acq: 14 Jan 2016 9:12

Tgt Ion	164	Resp	541472
Ion Ratio	Lower	Upper	
164	100		
162	101.9	85.1	127.7
160	47.0	37.5	56.3

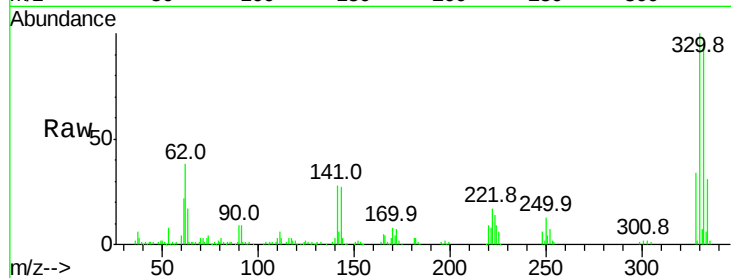




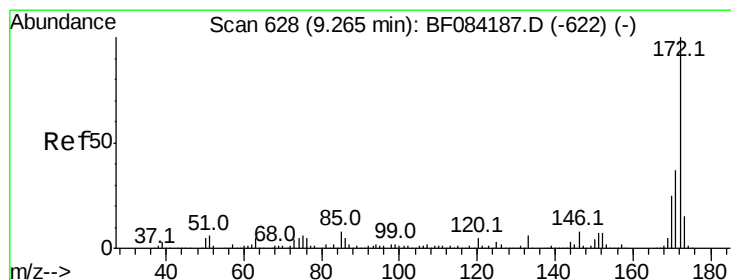
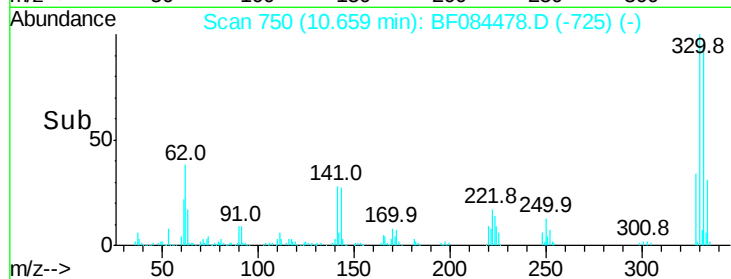
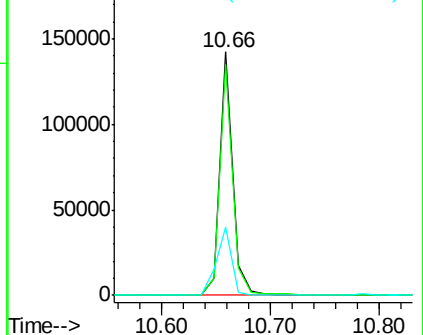
#41
 2,4,6-Tribromophenol
 Concen: 21.95 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF084478.D
 Acq: 14 Jan 2016 9:12

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-1-20160108

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	114.8
141	34.4	27.8	41.6

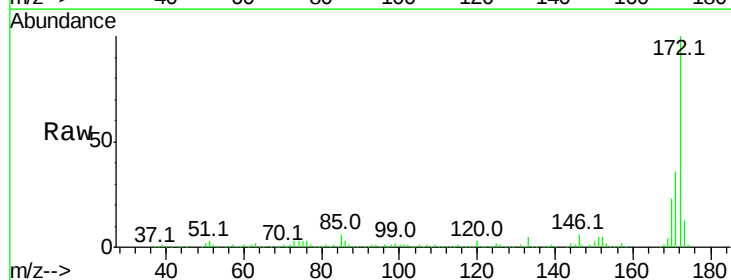


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

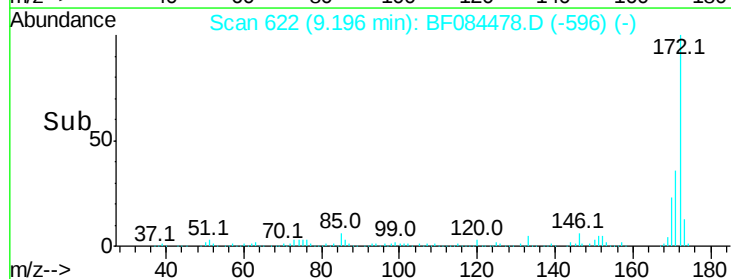
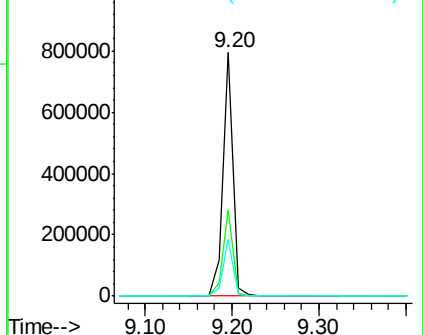


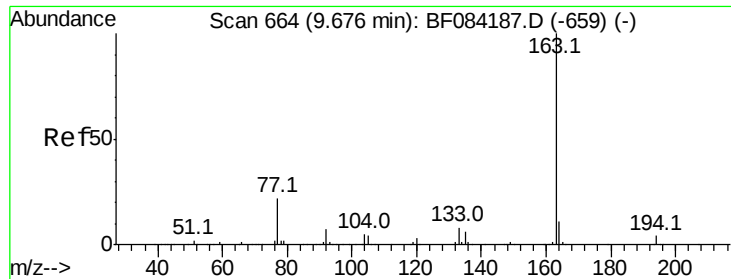
#44
 2-Fluorobiphenyl
 Concen: 16.10 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084478.D
 Acq: 14 Jan 2016 9:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	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

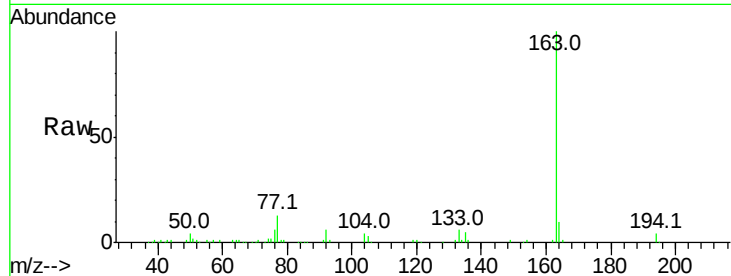




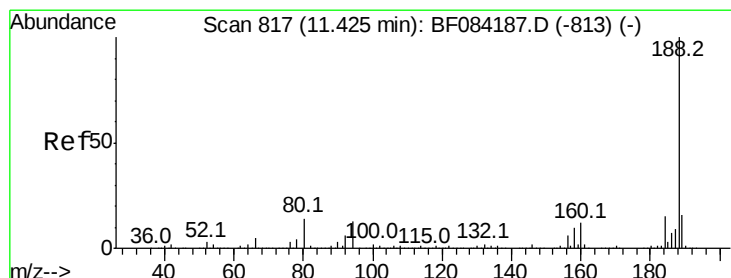
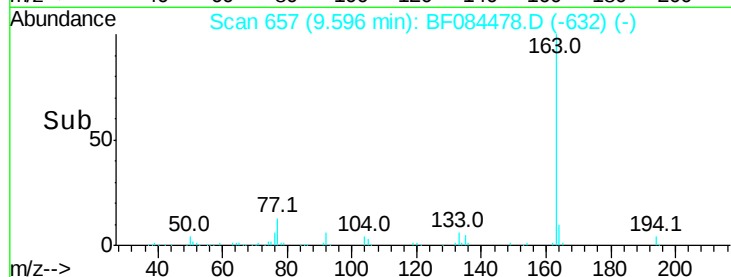
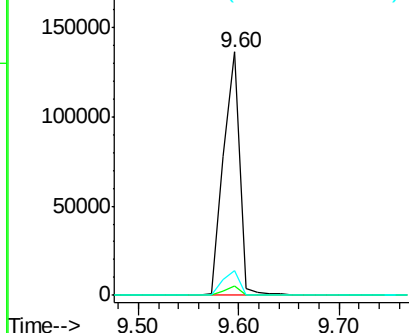
#49
Dimethylphthalate
Concen: 3.95 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF084478.D
Acq: 14 Jan 2016 9:12

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Tot Ion:163 Resp: 152773
Ion Ratio Lower Upper
163 100
194 3.8 8.0 12.0#
164 10.0 8.0 12.0

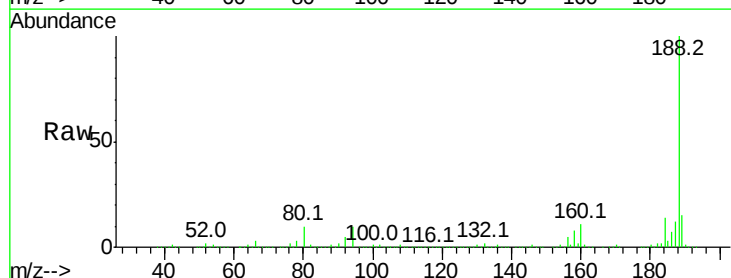


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

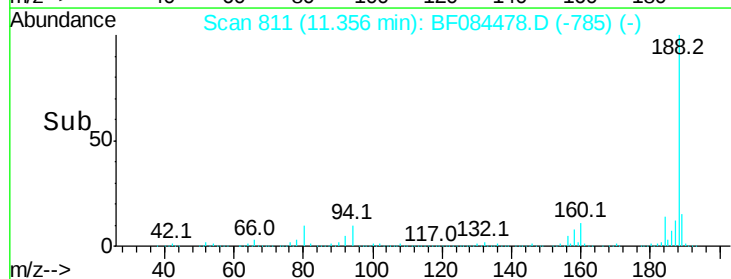
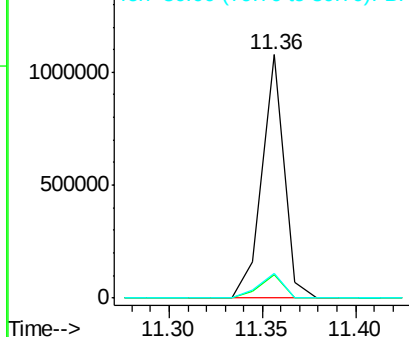


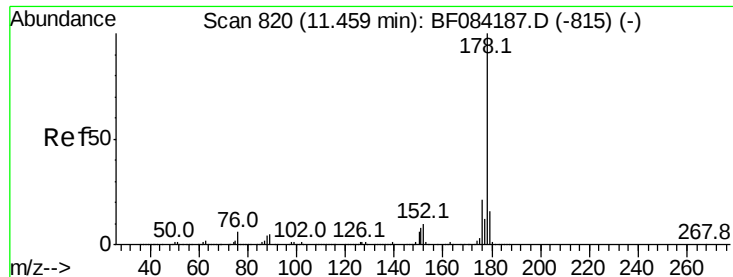
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF084478.D
Acq: 14 Jan 2016 9:12

Tgt Ion:188 Resp: 903400
Ion Ratio Lower Upper
188 100
94 9.6 9.0 13.4
80 10.2 9.6 14.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

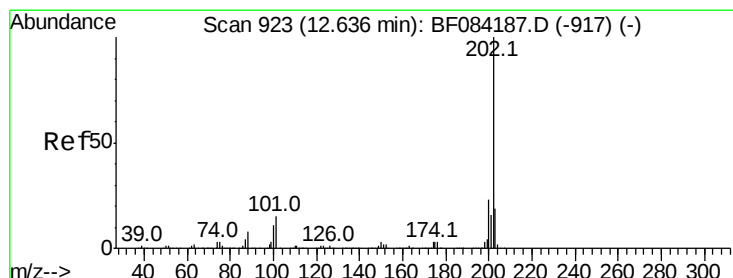
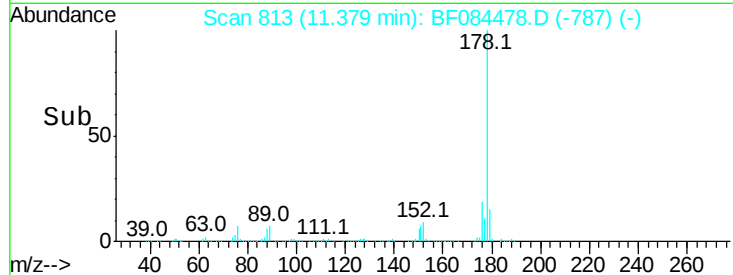
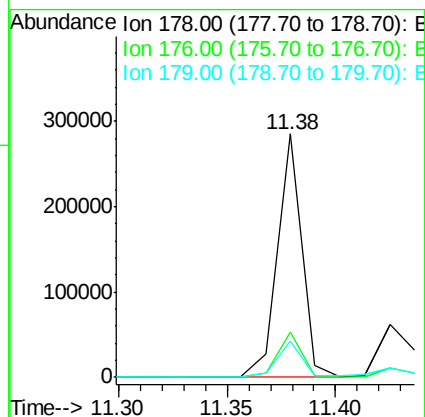
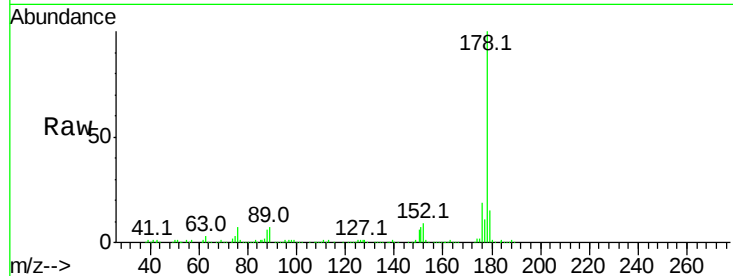




#70
Phenanthrene
Concen: 4.76 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF084478.D
Acq: 14 Jan 2016 9:12

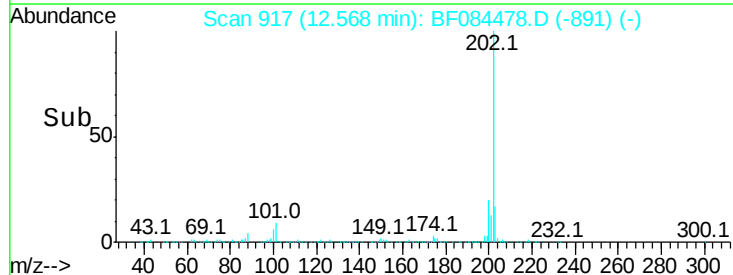
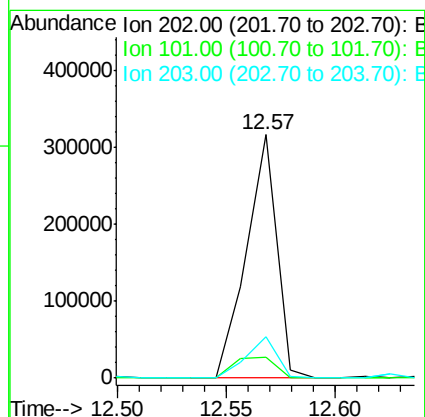
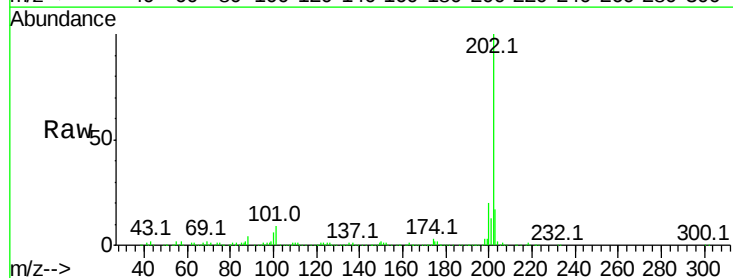
Instrument :
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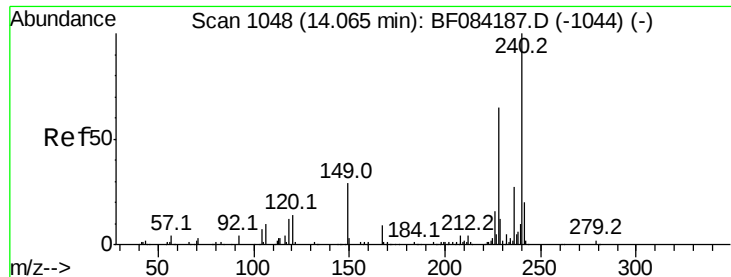
Tot Ion:178 Resp: 224898
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 14.9 12.0 18.0



#74
Fluoranthene
Concen: 6.20 ng
RT: 12.57 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF084478.D
Acq: 14 Jan 2016 9:12

Tgt Ion:202 Resp: 305995
Ion Ratio Lower Upper
202 100
101 8.6 0.0 32.8
203 17.0 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

Instrument :

BNA_F

ClientSampleId :

POST-EX-1-20160108

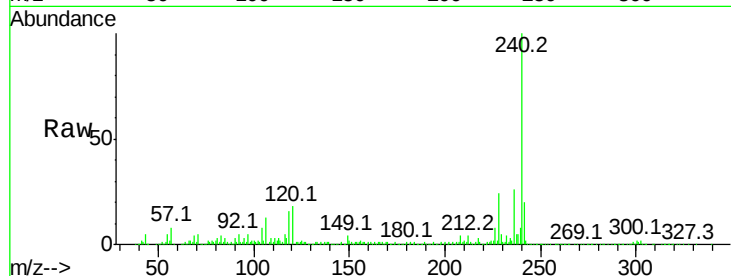
Tot Ion:240 Resp: 596096

Ion Ratio Lower Upper

240 100

120 18.5 9.5 14.3#

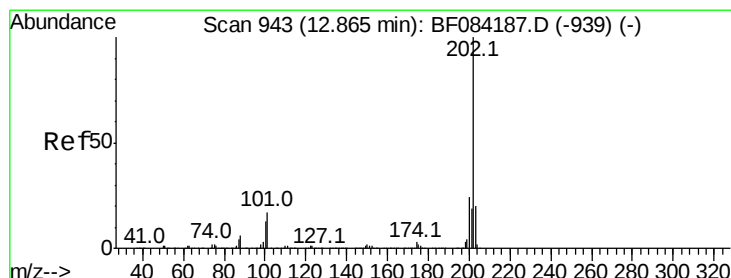
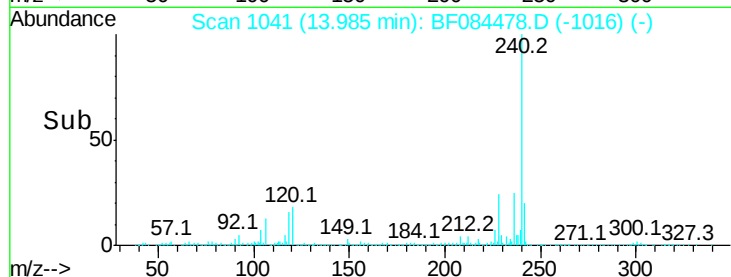
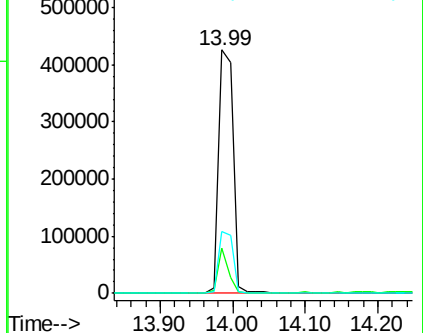
236 25.5 20.6 31.0



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: 5.96 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

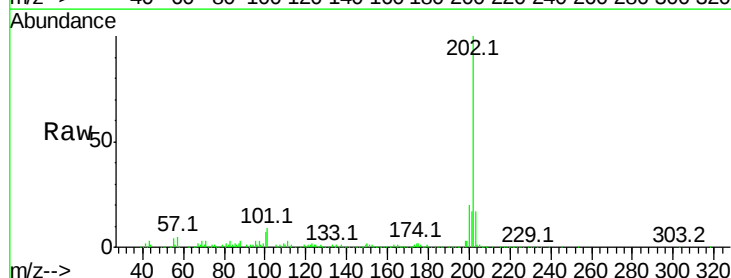
Tgt Ion:202 Resp: 279015

Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

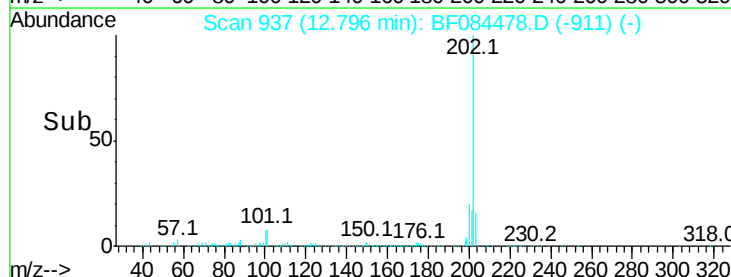
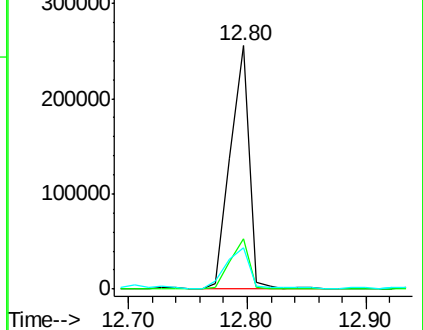
203 17.0 14.3 21.5

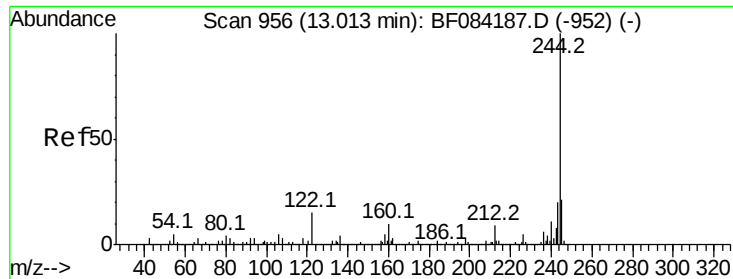


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.95 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

Instrument :

BNA_F

ClientSampleId :

POST-EX-1-20160108

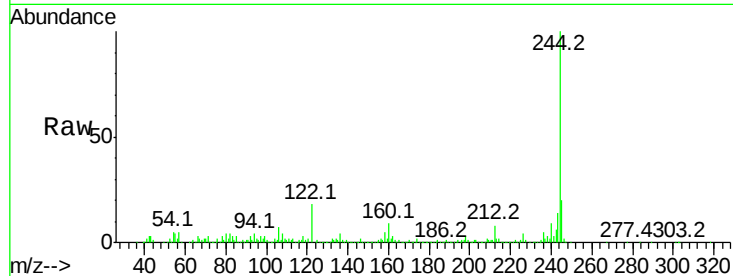
Tot Ion:244 Resp: 372420

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

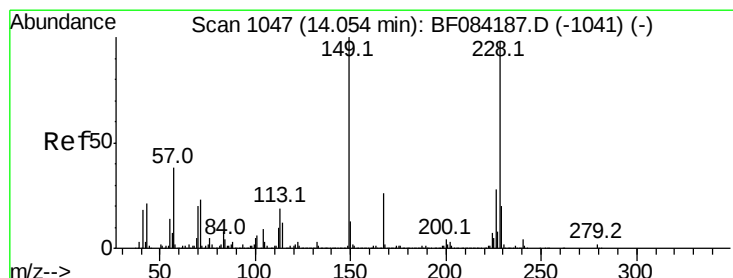
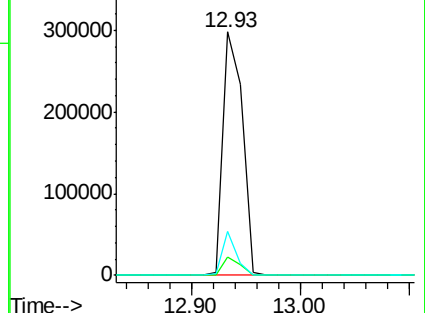
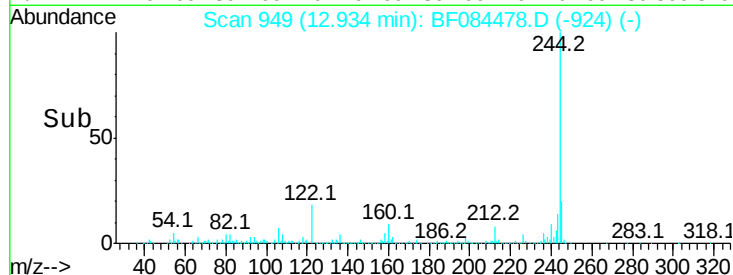
122 17.8 7.4 11.0#



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: 4.32 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

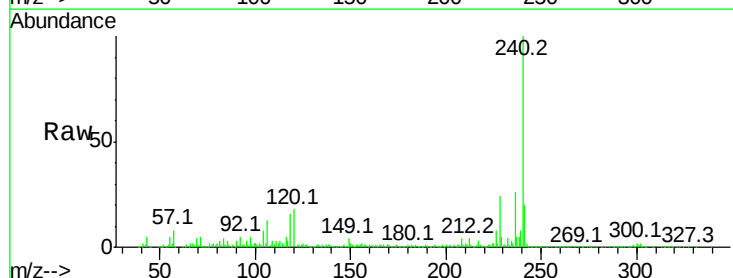
Tgt Ion:228 Resp: 151254

Ion Ratio Lower Upper

228 100

226 31.1 21.8 32.6

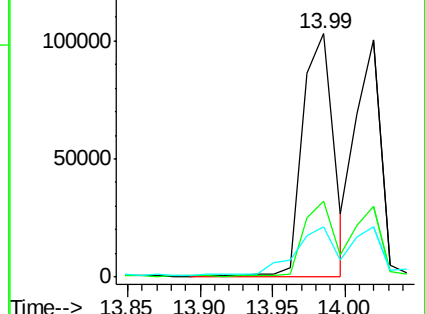
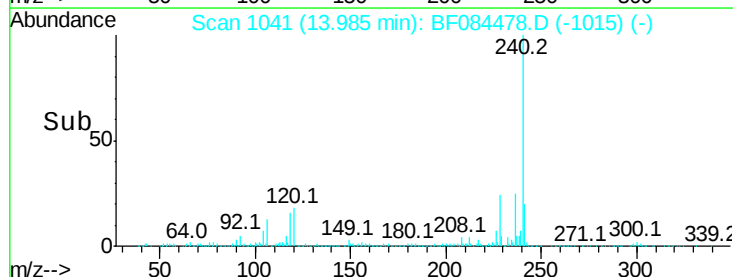
229 20.5 15.8 23.8

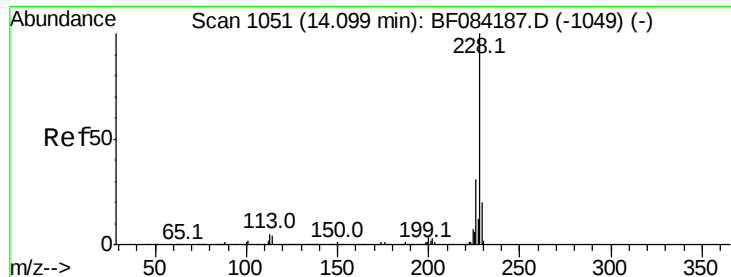


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.60 ng/mL

RT: 14.02 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

Instrument:

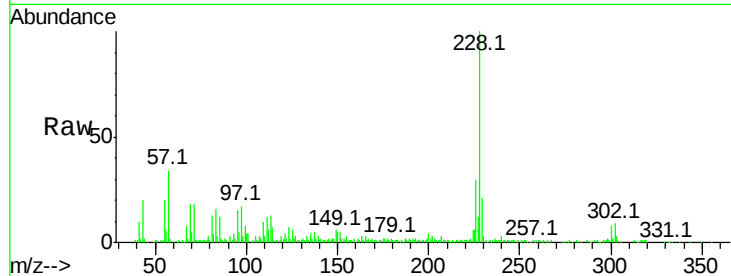
BNA_F

ClientSampleId:

POST-EX-1-20160108

Tot Ion: 228 Resp: 121226

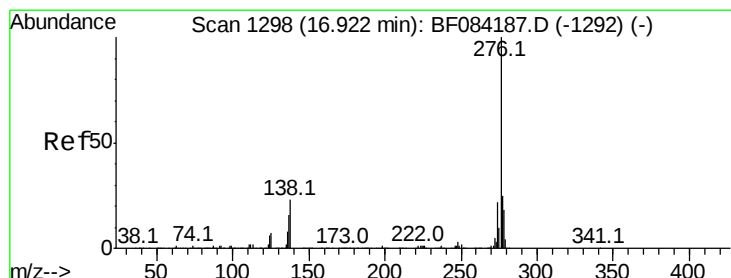
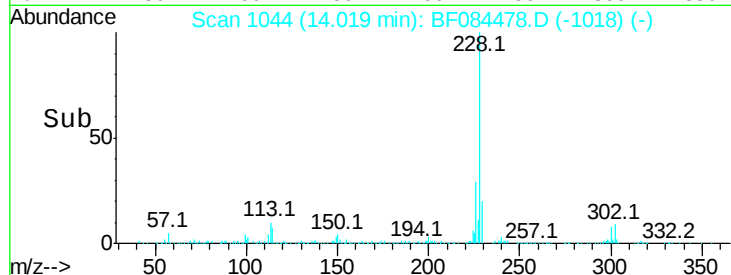
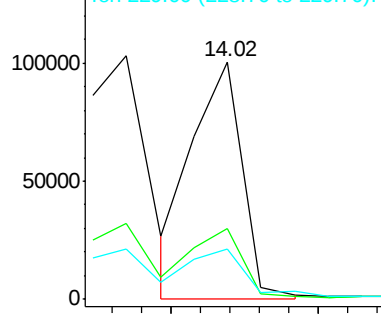
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	21.4	16.1	24.1



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: 2.84 ng/mL

RT: 16.79 min Scan# 1286

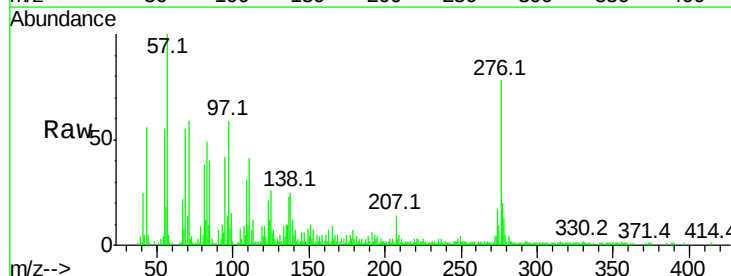
Delta R.T. -0.01 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

Tgt Ion: 276 Resp: 75612

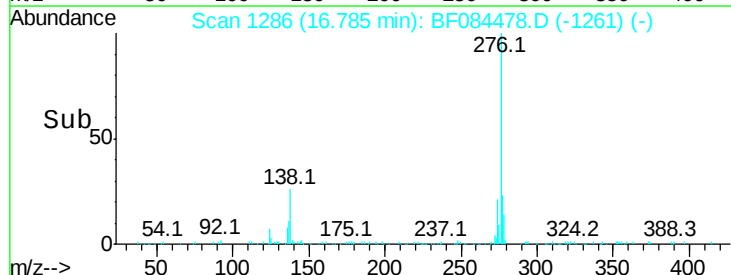
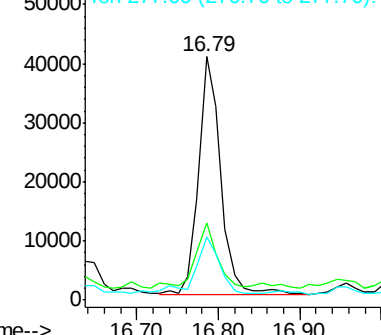
Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.6	30.8
277	26.6	20.1	30.1

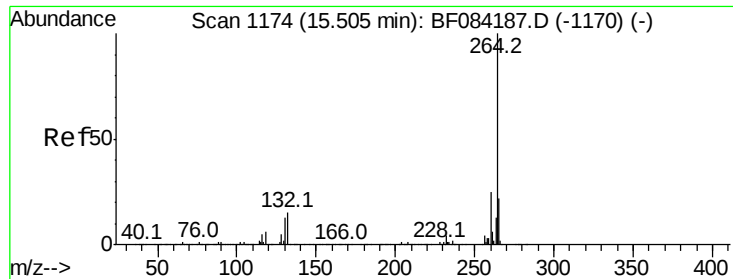


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

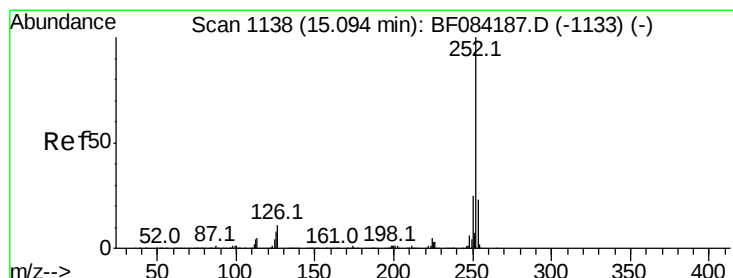
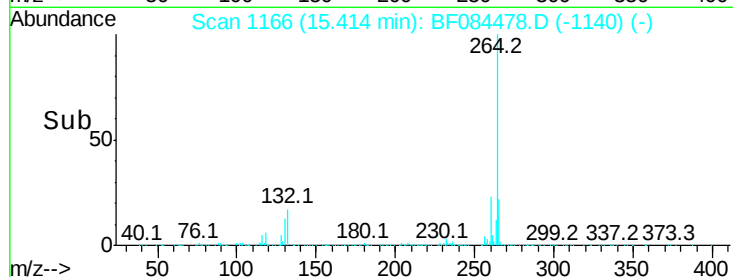
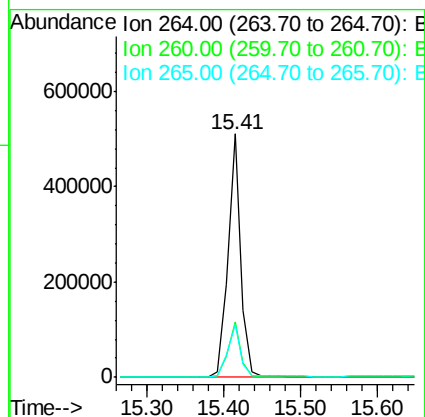
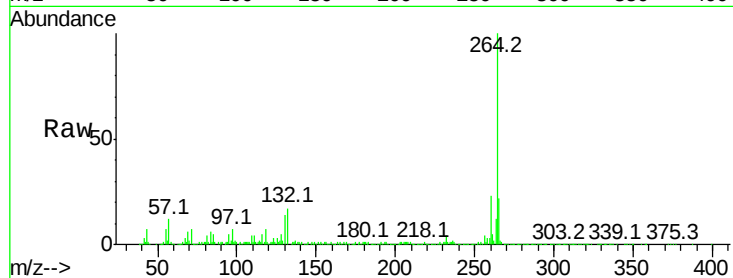




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF084478.D
Acq: 14 Jan 2016 9:12

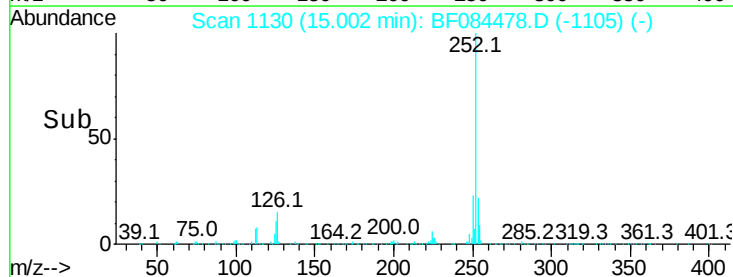
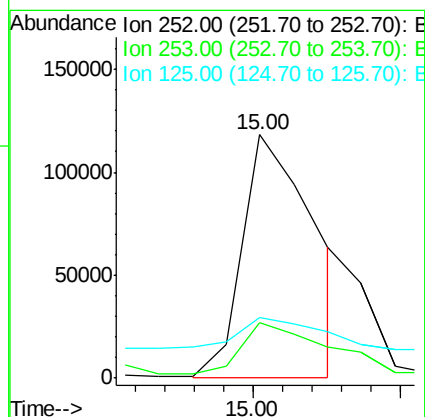
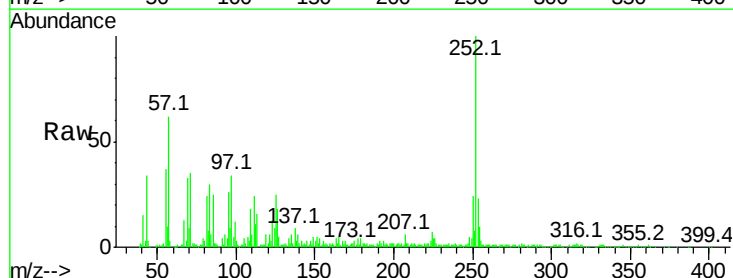
Instrument :
BNA_F
ClientSampleId :
POST-EX-1-20160108

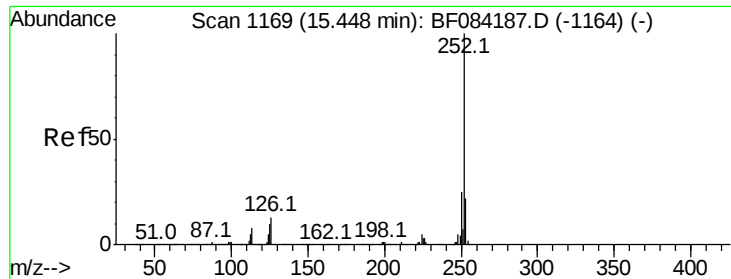
Tot Ion:264 Resp: 602819
Ion Ratio Lower Upper
264 100
260 22.9 19.4 29.2
265 21.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.08 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084478.D
Acq: 14 Jan 2016 9:12

Tgt Ion:252 Resp: 200492
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 25.0 6.5 9.7#





#89

Benzo(a)pyrene

Concen: 3.81 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

Instrument :

BNA_F

ClientSampleId :

POST-EX-1-20160108

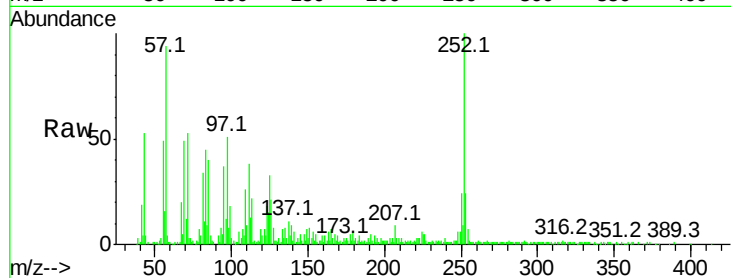
Tot Ion:252 Resp: 127529

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

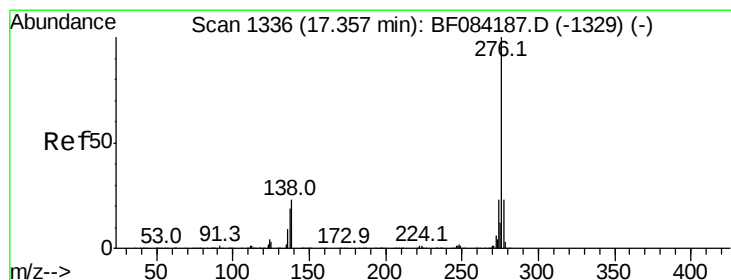
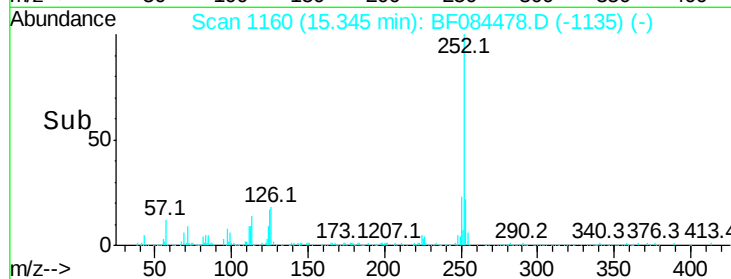
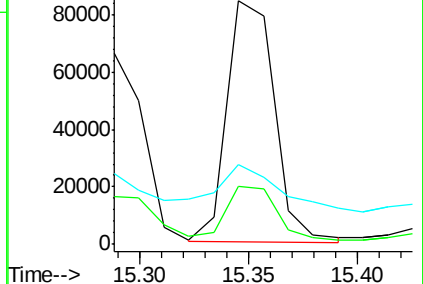
125 32.7 7.0 10.4#



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: 2.51 ng

RT: 17.21 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF084478.D

Acq: 14 Jan 2016 9:12

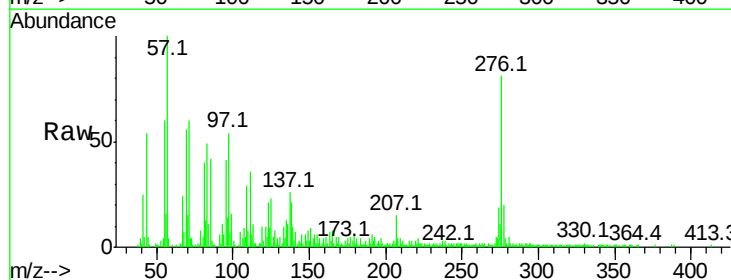
Tgt Ion:276 Resp: 74899

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 25.8 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

