

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
 Data File : BF084525.D
 Acq On : 16 Jan 2016 7:41
 Operator : SJ/UM
 Sample : H1143-02 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Quant Time: Jan 18 00:10:36 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

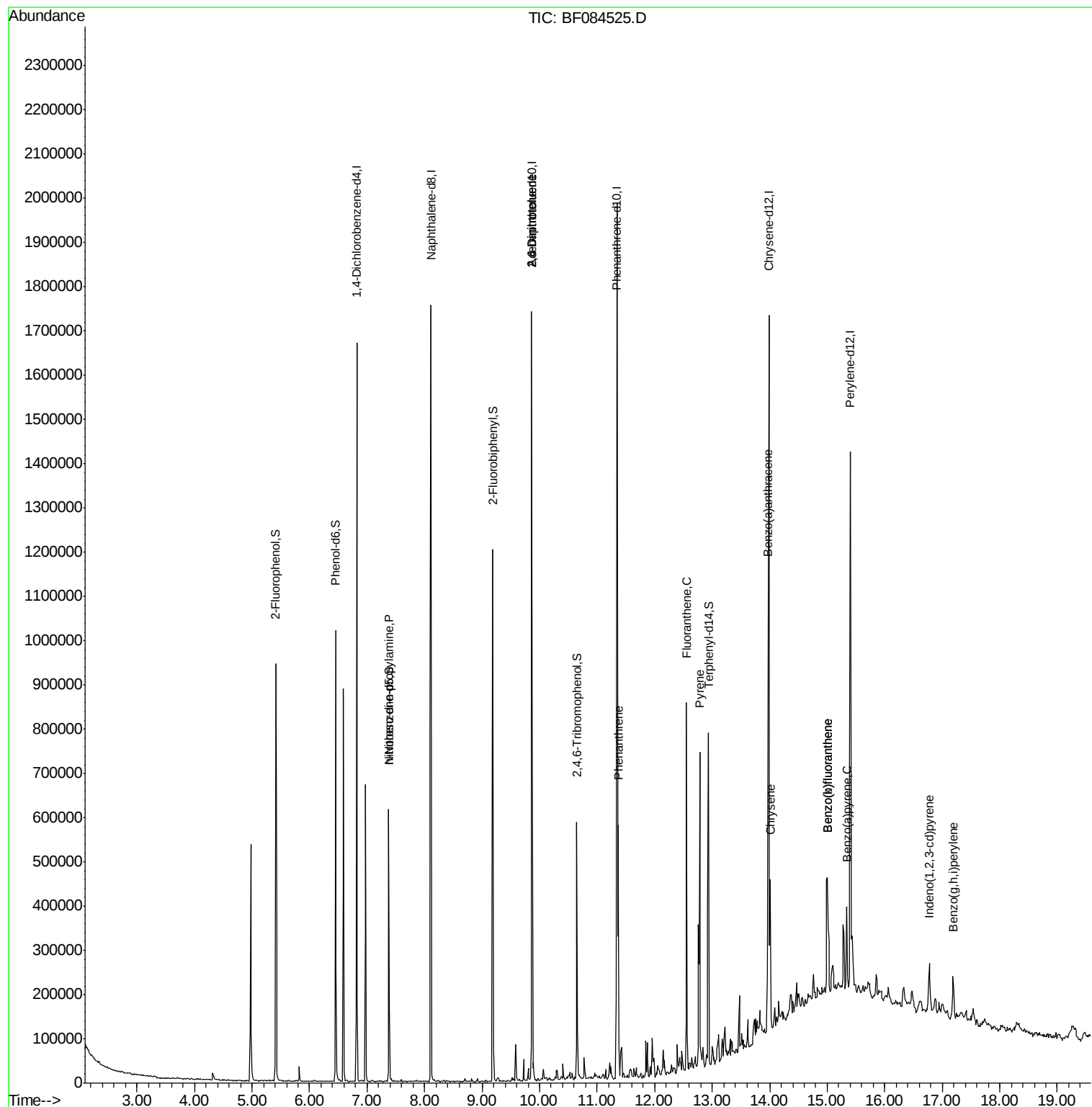
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	226654	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	901852	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	373757	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	673683	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	579075	20.00	ng	-0.01
86) Perylene-d12	15.40	264	542928	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	272495	19.45	ng	-0.02
7) Phenol-d6	6.45	99	337300	19.17	ng	-0.02
23) Nitrobenzene-d5	7.38	82	190357	11.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	66056	17.51	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	340938	10.50	ng	-0.01
78) Terphenyl-d14	12.93	244	251765	9.70	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	25029	2.10	ng	# 69
50) 2,6-Dinitrotoluene	9.86	165	46928	8.01	ng	# 37
54) Dibenzofuran	10.06	168	6364	Below Cal		# 94
56) 2,4-Dinitrotoluene	9.86	165	47153	6.36	ng	# 21
57) Fluorene	10.41	166	10627	Below Cal		# 97
70) Phenanthrene	11.37	178	196827	5.59	ng	99
73) Di-n-butylphthalate	11.92	149	2557	Below Cal		# 76
74) Fluoranthene	12.56	202	311587	8.46	ng	97
77) Pyrene	12.78	202	283711	6.24	ng	98
80) Benzo(a)anthracene	13.97	228	169919	5.00	ng	96
82) Chrysene	14.01	228	106044	3.25	ng	97
85) Indeno(1,2,3-cd)pyrene	16.77	276	72045	2.78	ng	100
87) Benzo(b)fluoranthene	15.00	252	217099	6.11	ng	# 93
88) Benzo(k)fluoranthene	15.00	252	217099	7.47	ng	97
89) Benzo(a)pyrene	15.35	252	120527	4.00	ng	# 92
91) Benzo(g,h,i)perylene	17.19	276	74675	2.78	ng	95

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

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Quant Time: Jan 18 00:10:36 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: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

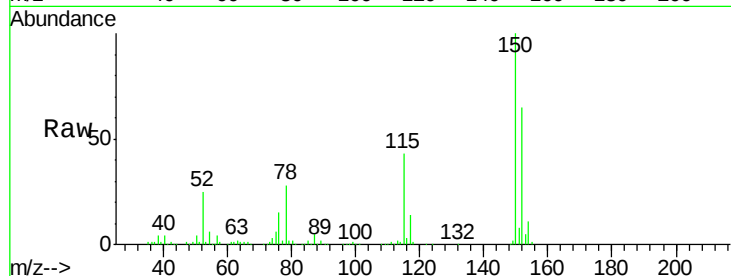
Tgt Ion:152 Resp: 226654

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

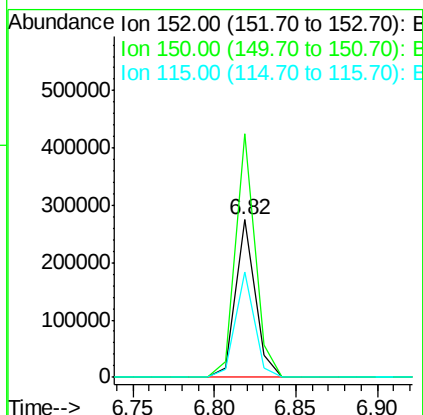
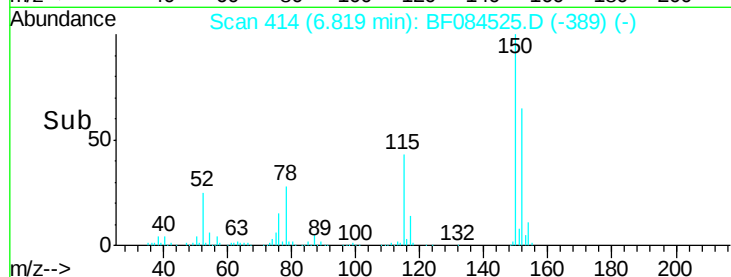
115 66.8 51.4 77.2



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: 19.45 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.02 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

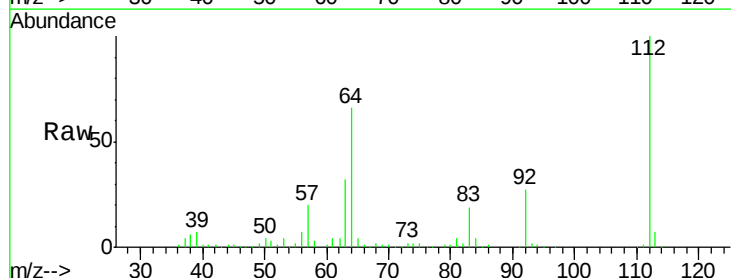
Tgt Ion:112 Resp: 272495

Ion Ratio Lower Upper

112 100

64 65.6 36.6 55.0#

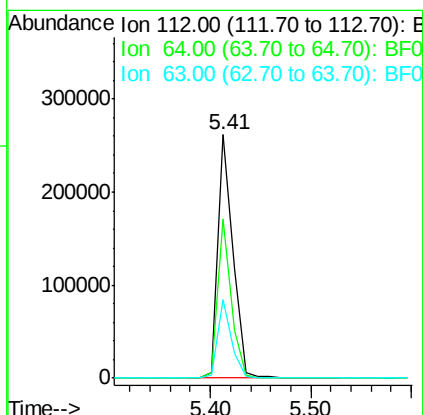
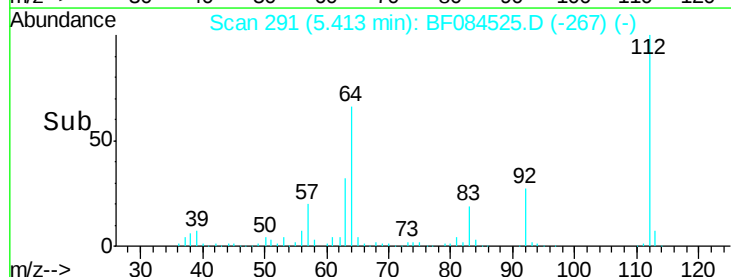
63 32.0 19.4 29.0#

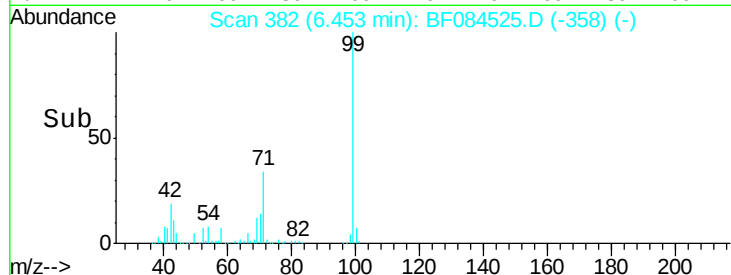
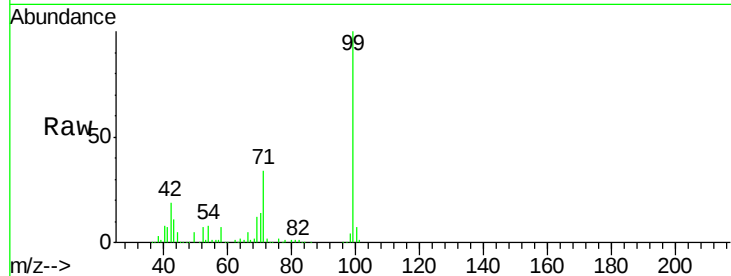


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.17 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

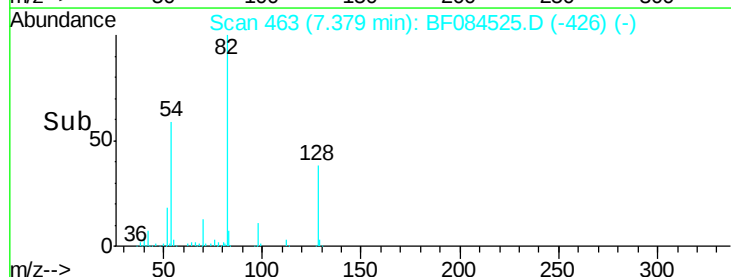
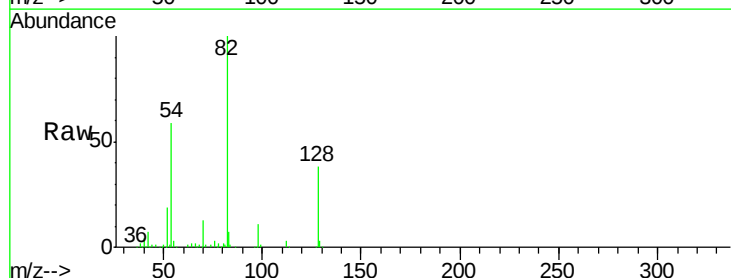
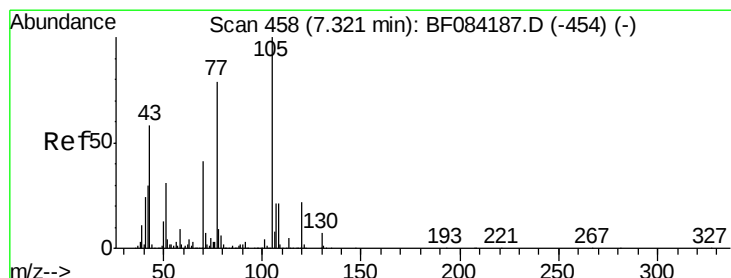
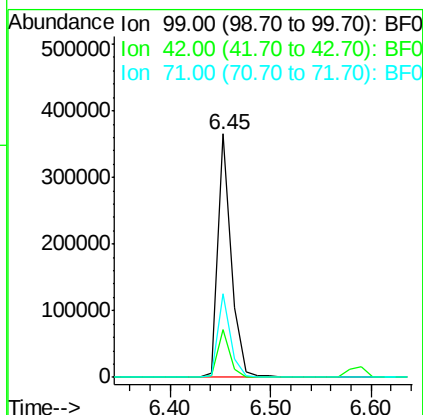
Tgt Ion: 99 Resp: 337300

Ion Ratio Lower Upper

99 100

42 19.5 12.8 19.2#

71 34.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.10 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.13 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Tgt Ion: 70 Resp: 25029

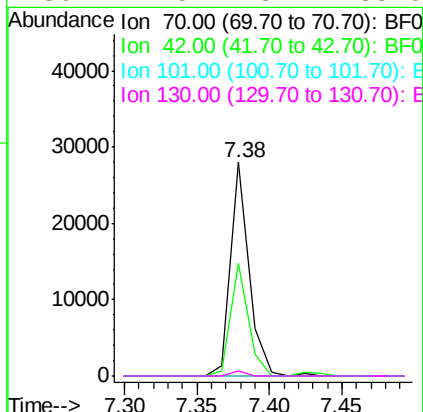
Ion Ratio Lower Upper

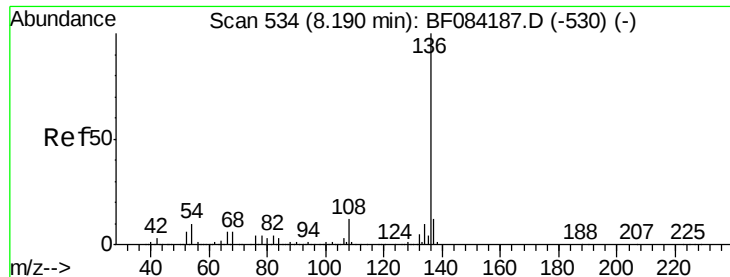
70 100

42 52.8 33.3 49.9#

101 0.0 9.3 13.9#

130 2.5 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

Tgt Ion: 136 Resp: 901852

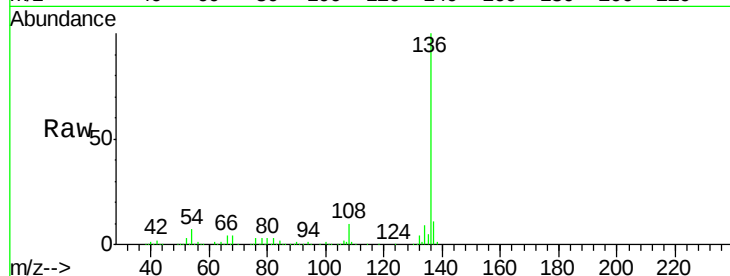
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.8 5.8 8.8

68 4.3 4.2 6.2

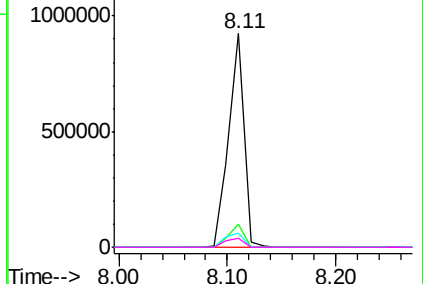
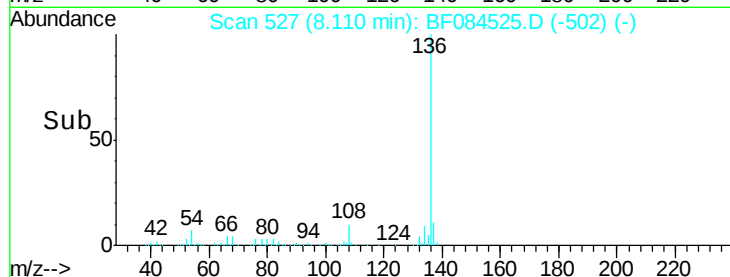


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.75 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.02 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

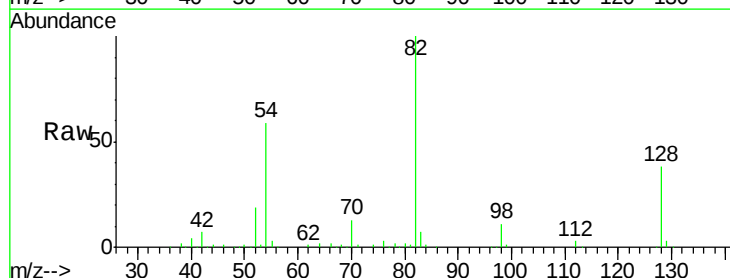
Tgt Ion: 82 Resp: 190357

Ion Ratio Lower Upper

82 100

128 37.6 34.6 51.8

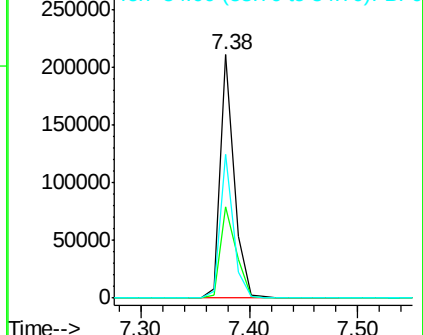
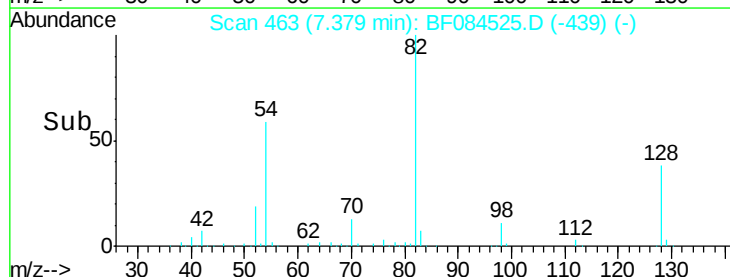
54 59.1 38.4 57.6#

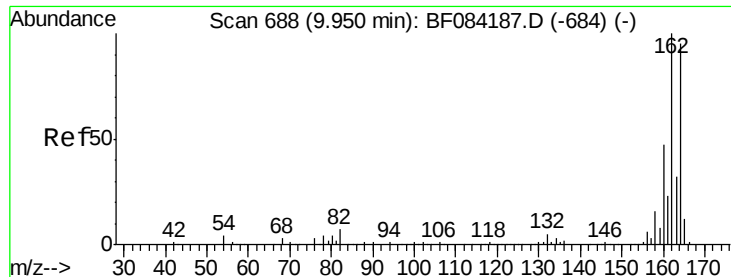


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

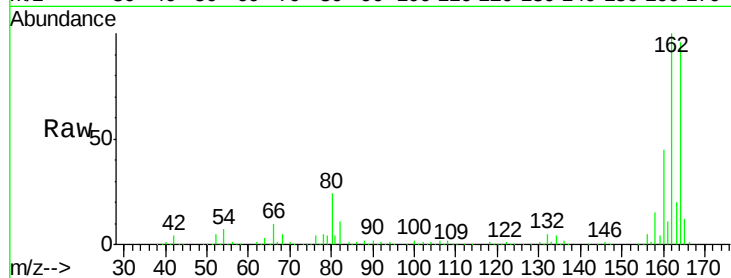
Tgt Ion:164 Resp: 373757

Ion Ratio Lower Upper

164 100

162 104.0 85.1 127.7

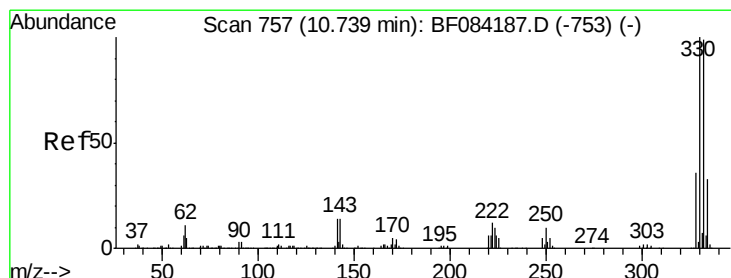
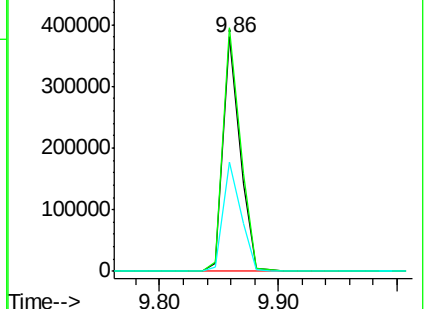
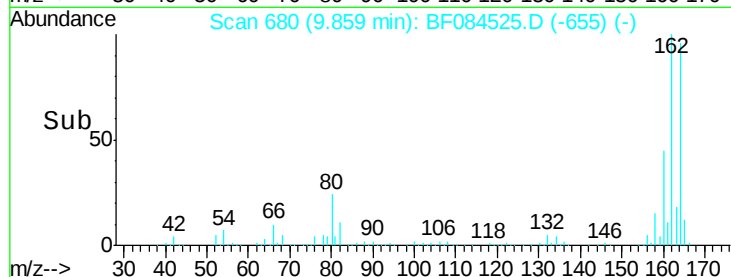
160 46.8 37.5 56.3



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: 17.51 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

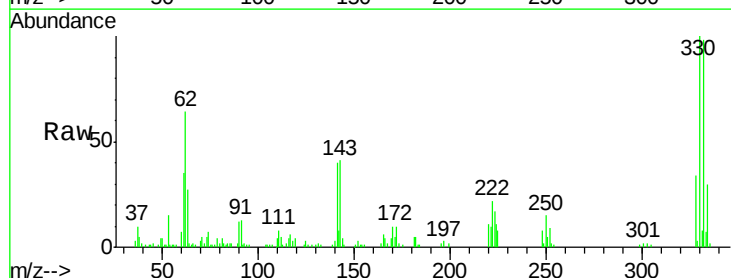
Tgt Ion:330 Resp: 66056

Ion Ratio Lower Upper

330 100

332 99.3 76.6 114.8

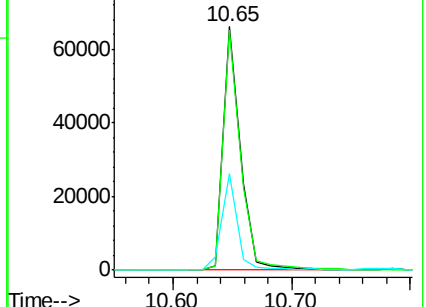
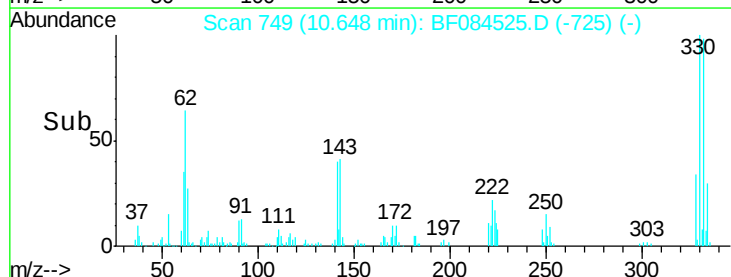
141 35.7 27.8 41.6

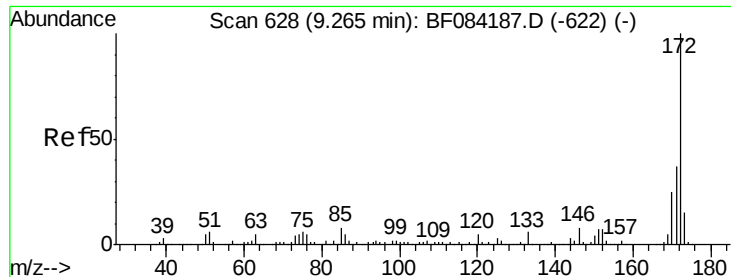


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

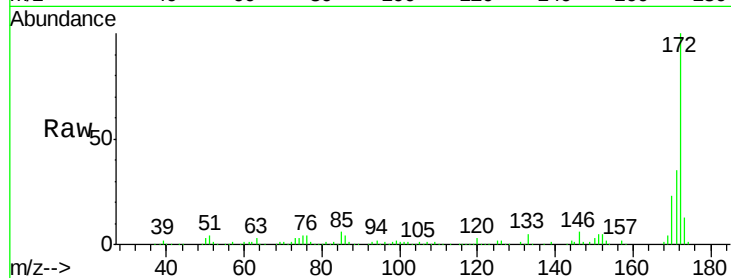




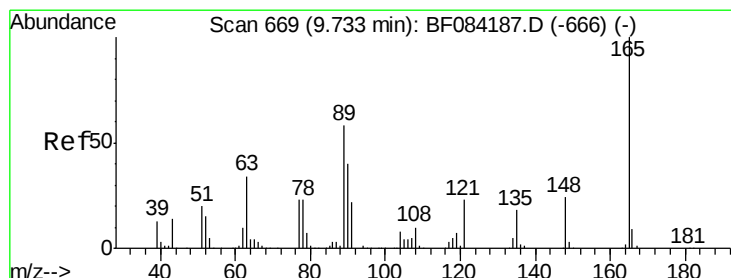
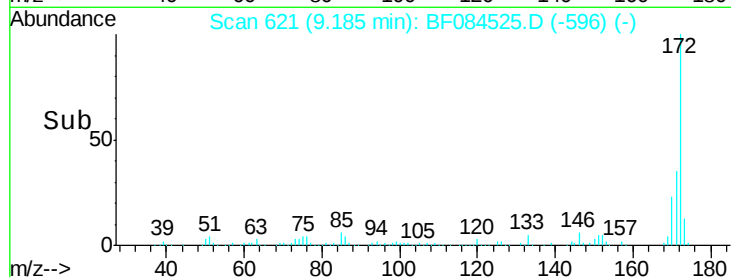
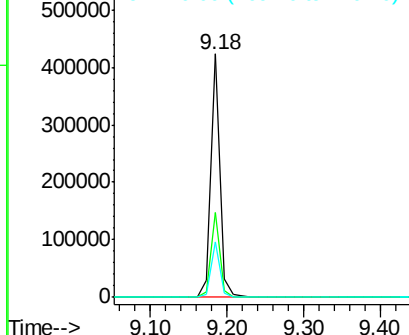
#44
 2-Fluorobiphenyl
 Concen: 10.50 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Tgt Ion:172 Resp: 340938
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.9 43.3
 170 22.8 18.6 27.8

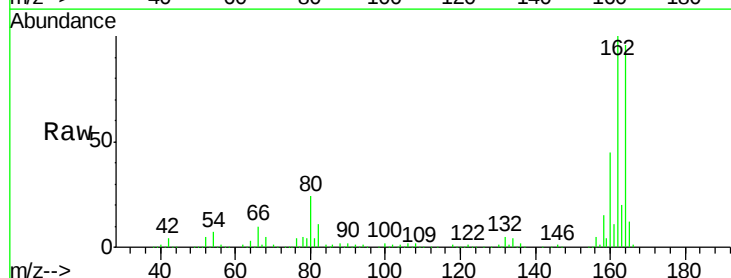


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

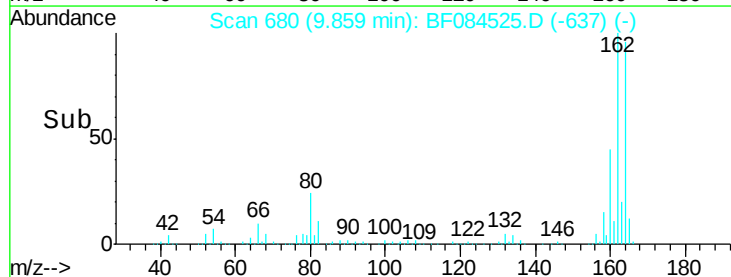
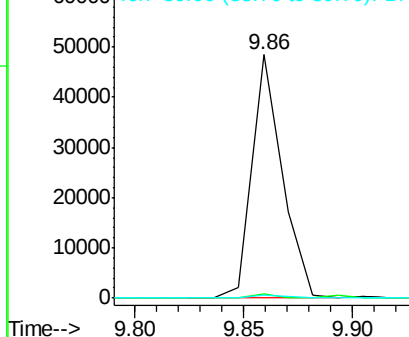


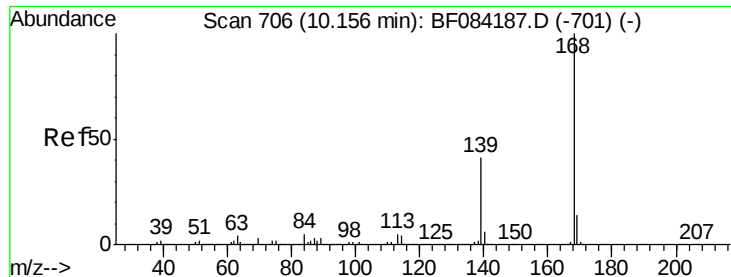
#50
 2,6-Dinitrotoluene
 Concen: 8.01 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.19 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

Tgt Ion:165 Resp: 46928
 Ion Ratio Lower Upper
 165 100
 63 1.8 28.8 43.2#
 89 1.2 35.1 52.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

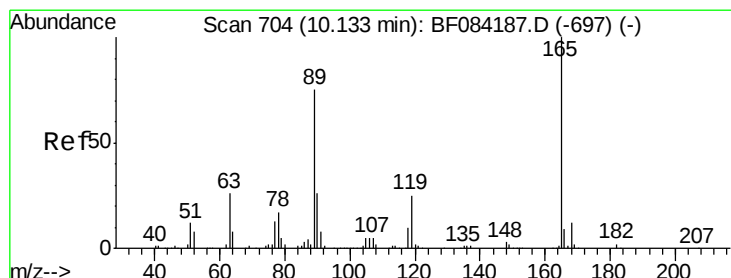
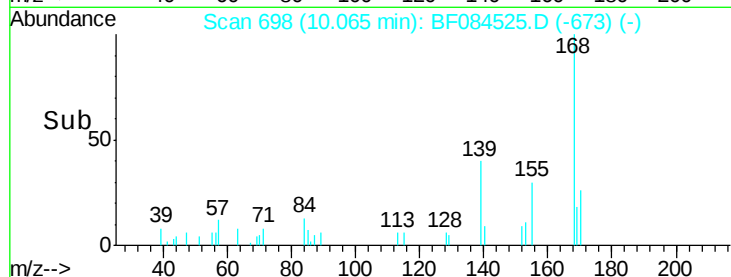
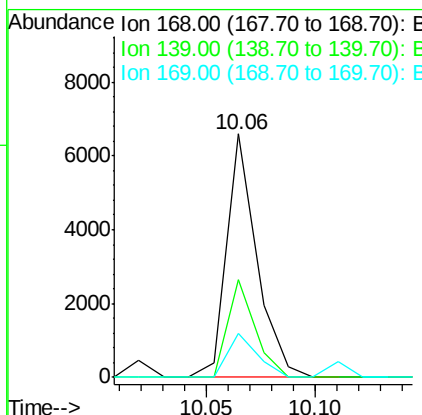
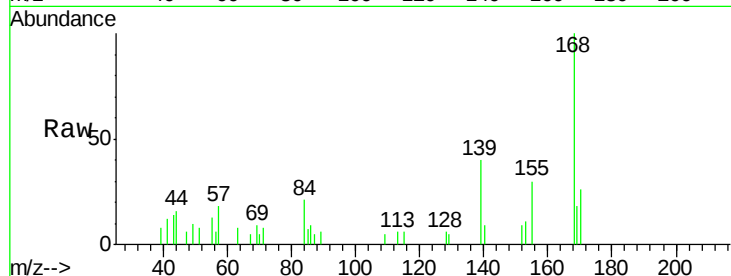




#54
Dibenzofuran
Concen: Below Cal
RT: 10.06 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

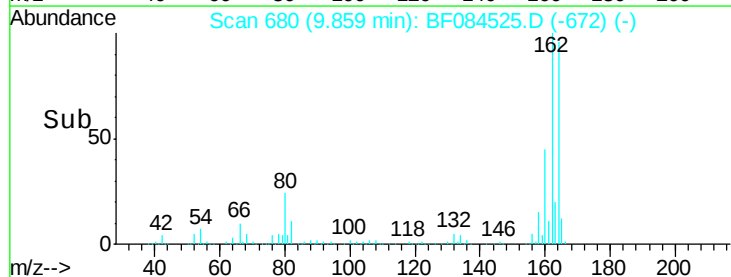
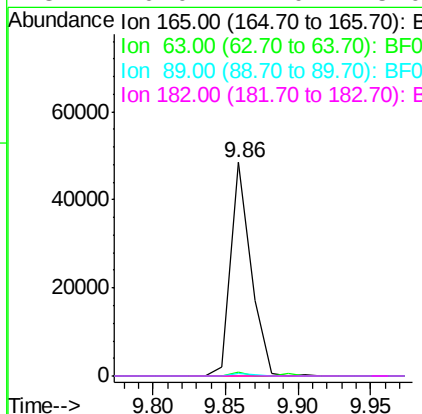
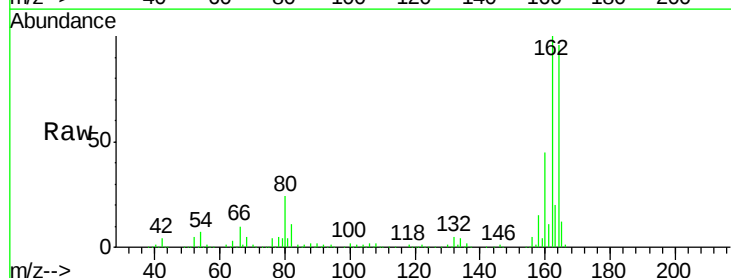
Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

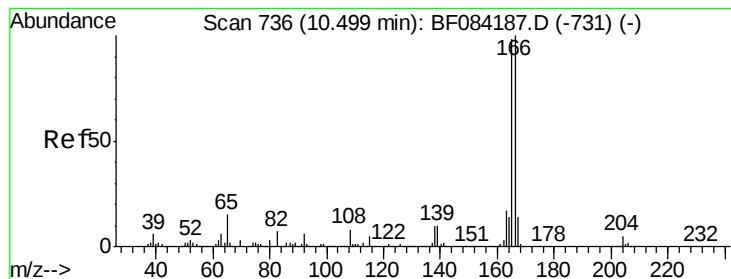
Tgt Ion:168 Resp: 6364
Ion Ratio Lower Upper
168 100
139 40.3 30.5 45.7
169 18.1 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.21 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:165 Resp: 47153
Ion Ratio Lower Upper
165 100
63 1.8 36.7 55.1#
89 1.2 61.9 92.9#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

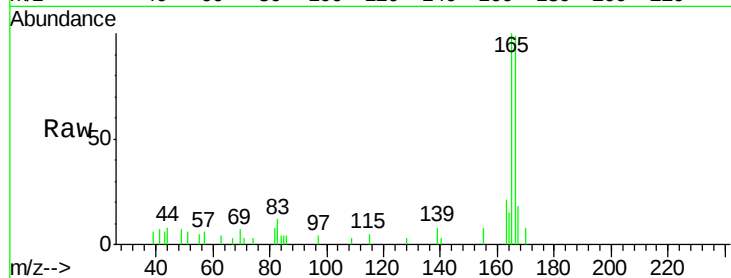
Tgt Ion:166 Resp: 10627

Ion Ratio Lower Upper

166 100

165 101.2 79.1 118.7

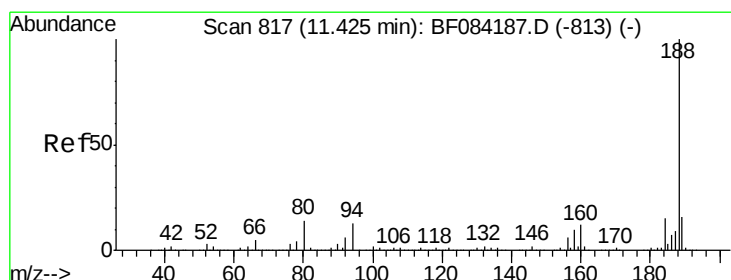
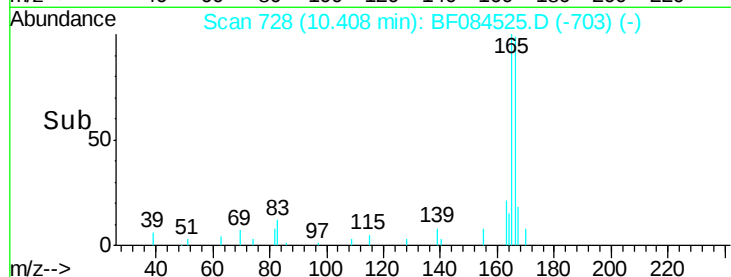
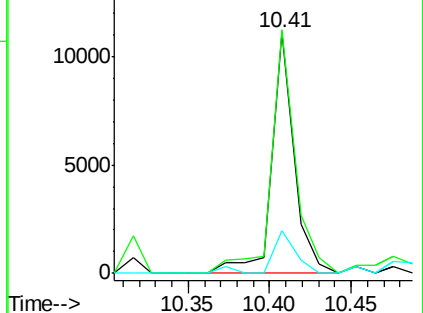
167 17.9 10.4 15.6#



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: 20.00 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

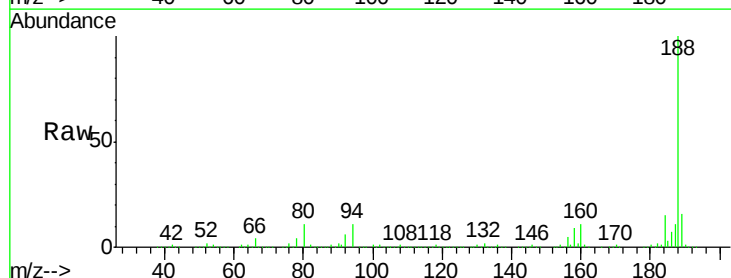
Tgt Ion:188 Resp: 673683

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

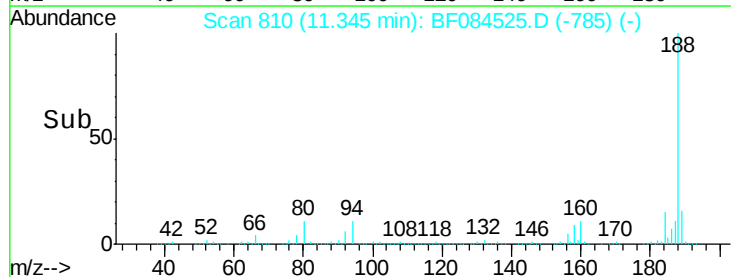
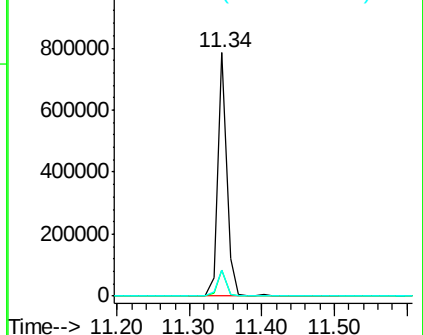
80 10.9 9.6 14.4

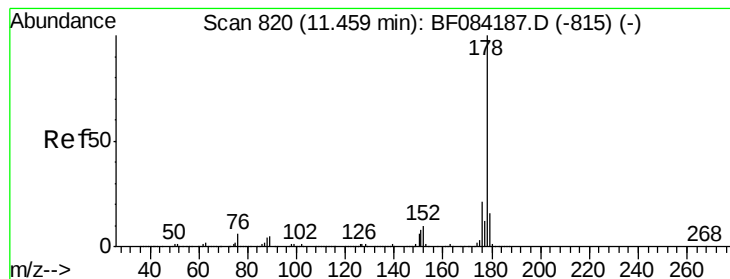


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.59 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

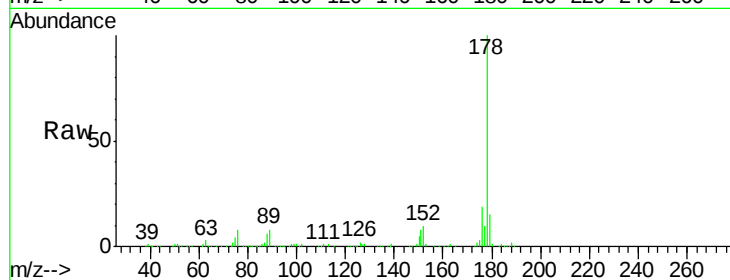
Tgt Ion:178 Resp: 196827

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

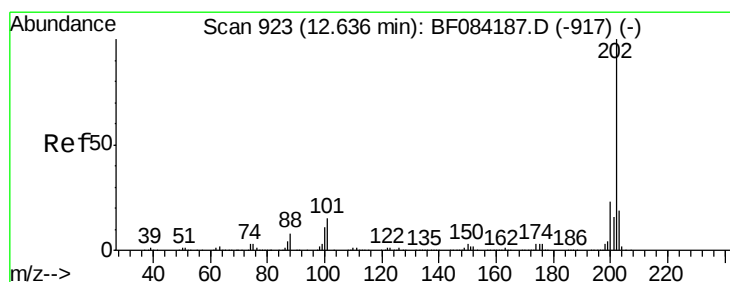
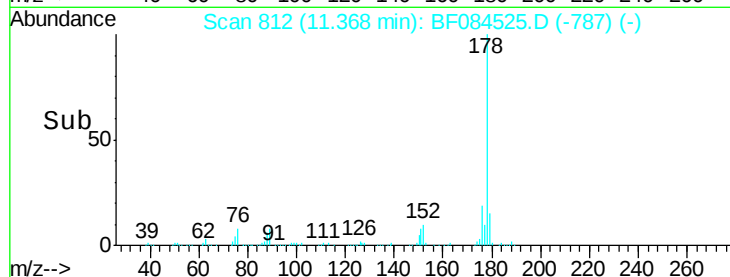
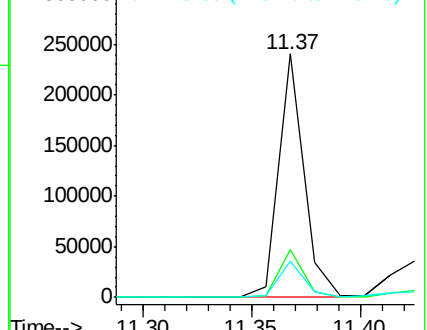
179 14.9 12.0 18.0



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: 8.46 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

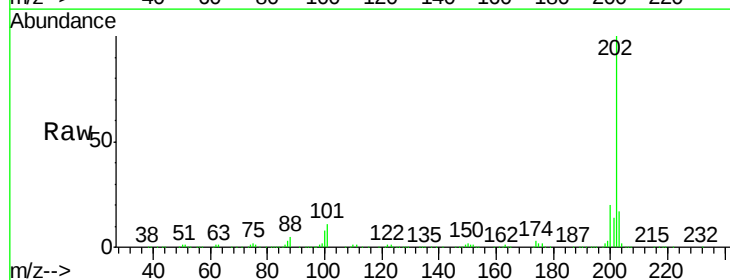
Tgt Ion:202 Resp: 311587

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.8

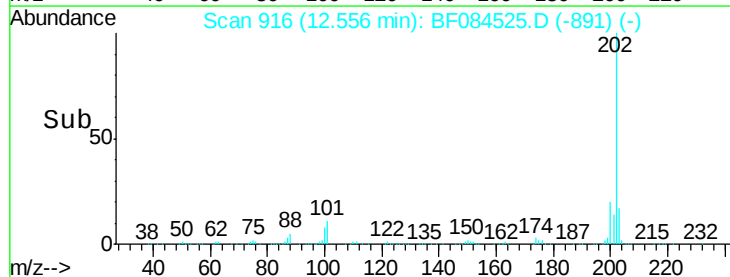
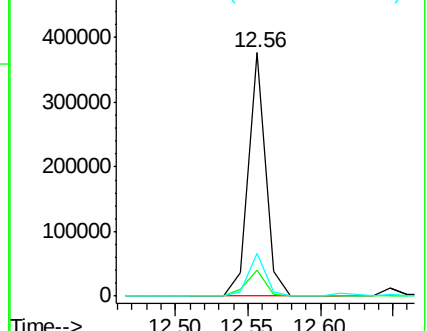
203 17.5 0.0 37.9

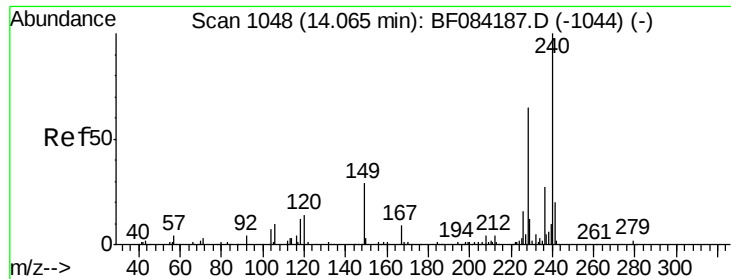


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

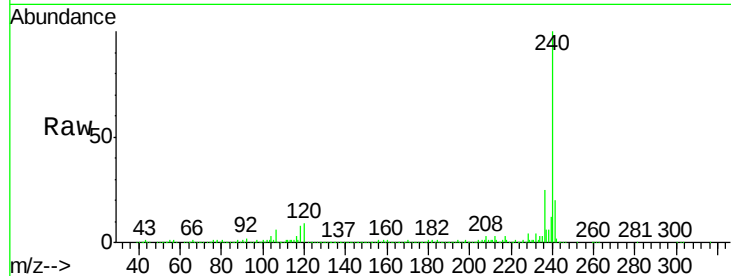
Tgt Ion:240 Resp: 579075

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

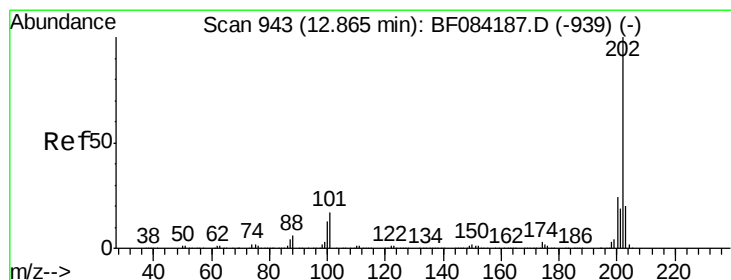
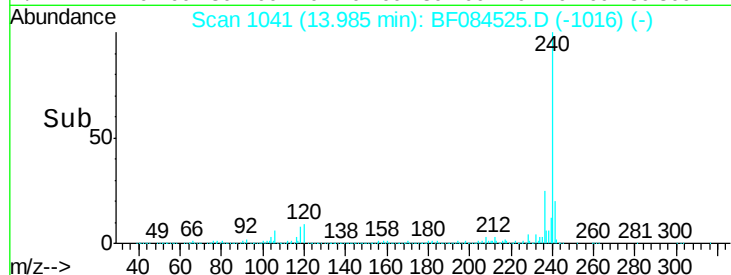
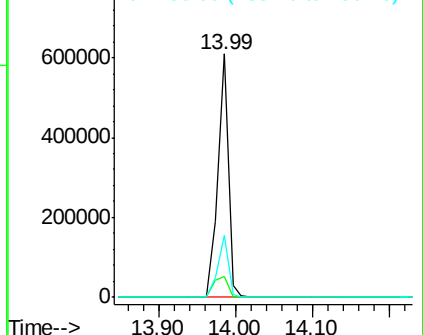
236 25.2 20.6 31.0



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: 6.24 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

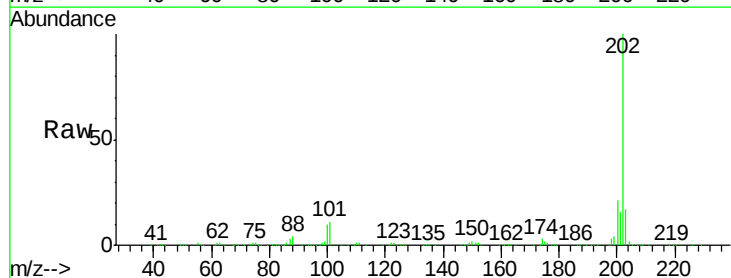
Tgt Ion:202 Resp: 283711

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

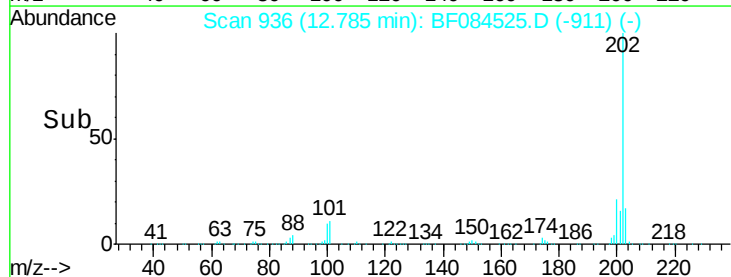
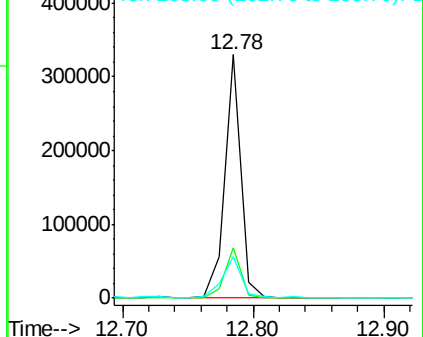
203 17.2 14.3 21.5

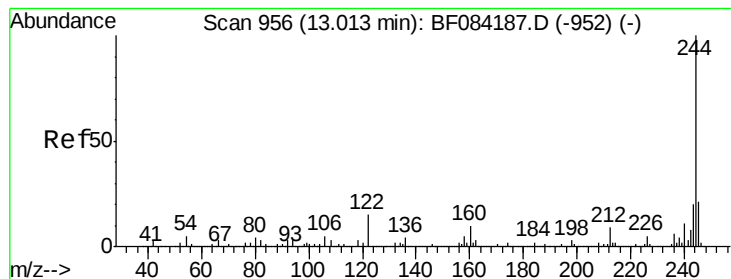


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.70 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

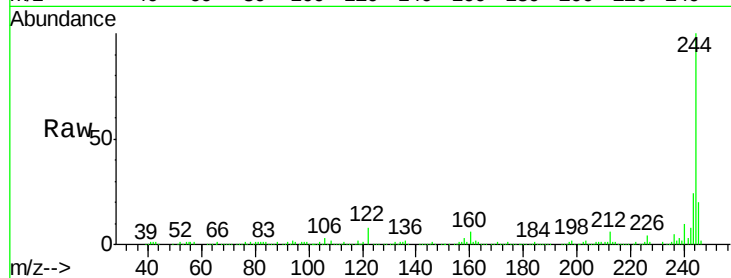
Tgt Ion:244 Resp: 251765

Ion Ratio Lower Upper

244 100

212 6.0 5.7 8.5

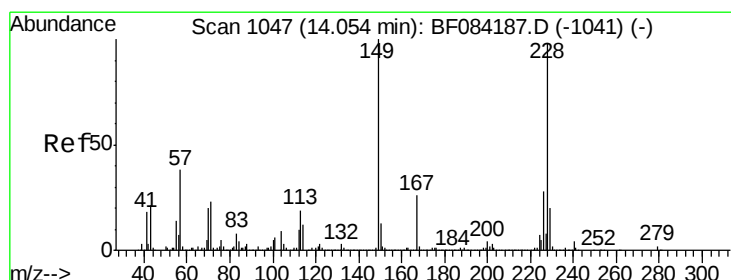
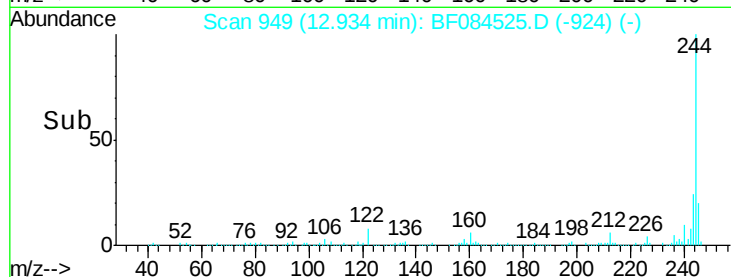
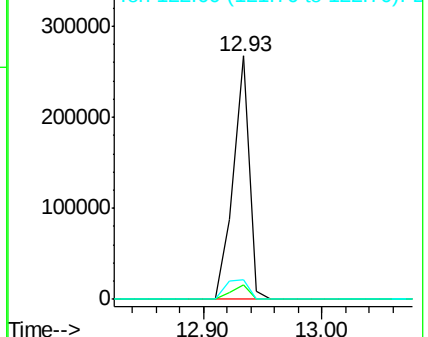
122 8.3 7.4 11.0



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: 5.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

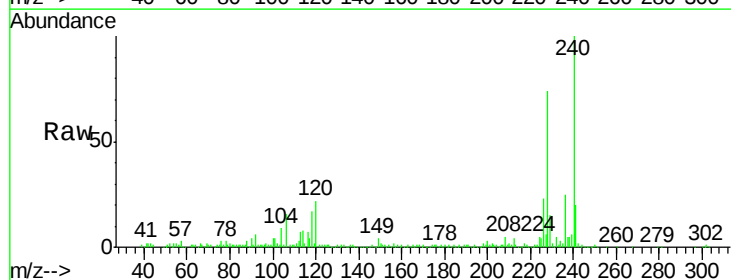
Tgt Ion:228 Resp: 169919

Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.6

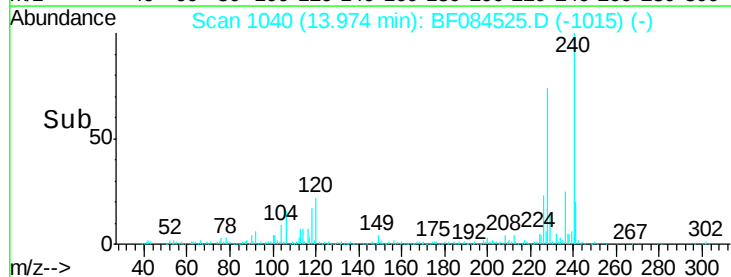
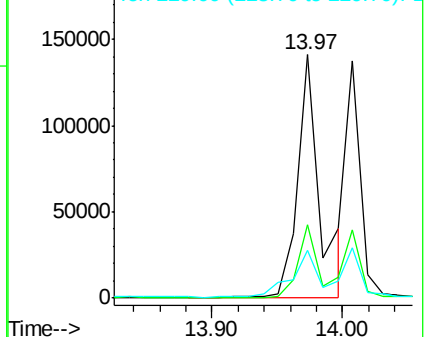
229 19.7 15.8 23.8

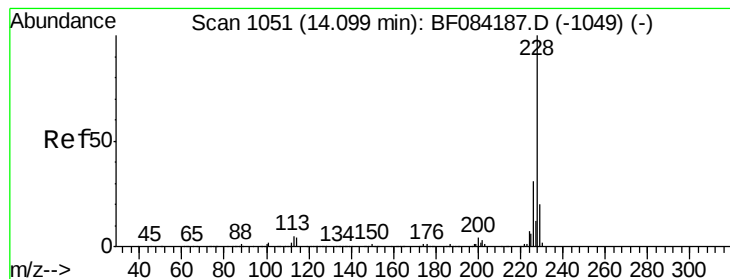


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.25 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

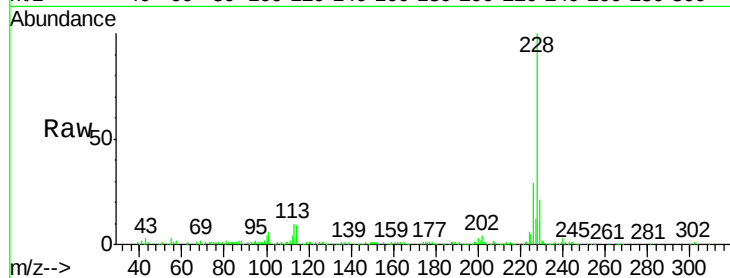
Tgt Ion:228 Resp: 106044

Ion Ratio Lower Upper

228 100

226 28.8 24.3 36.5

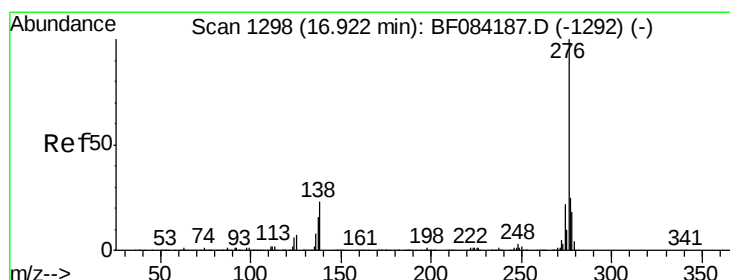
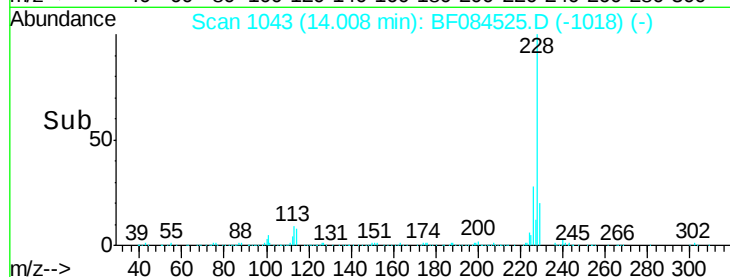
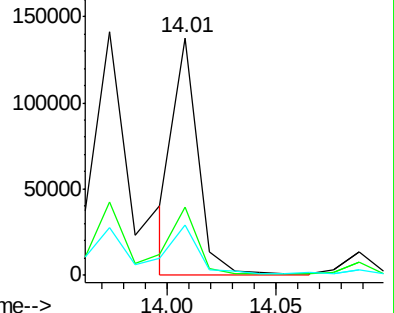
229 21.2 16.1 24.1



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: 2.78 ng

RT: 16.77 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

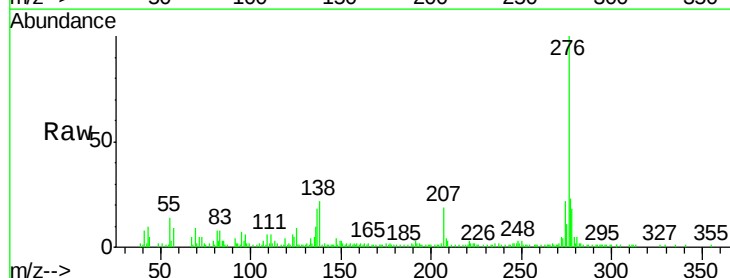
Tgt Ion:276 Resp: 72045

Ion Ratio Lower Upper

276 100

138 25.6 20.6 30.8

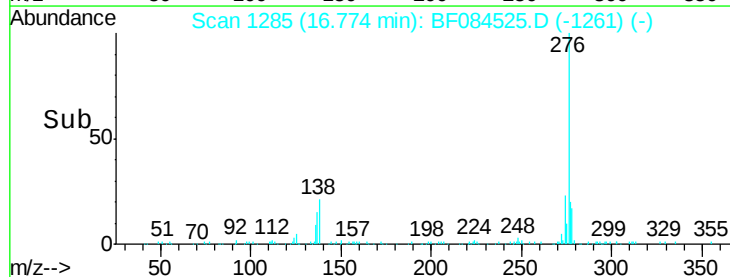
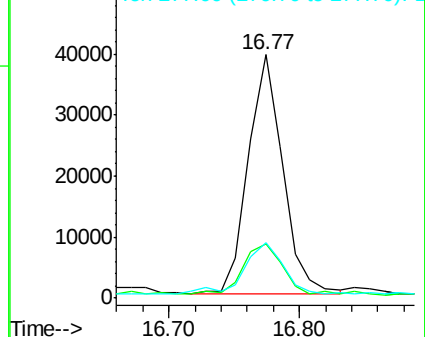
277 25.3 20.1 30.1

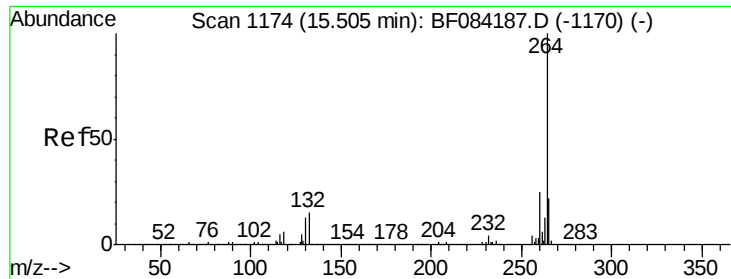


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

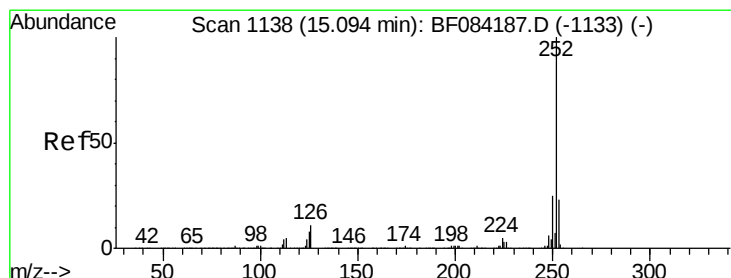
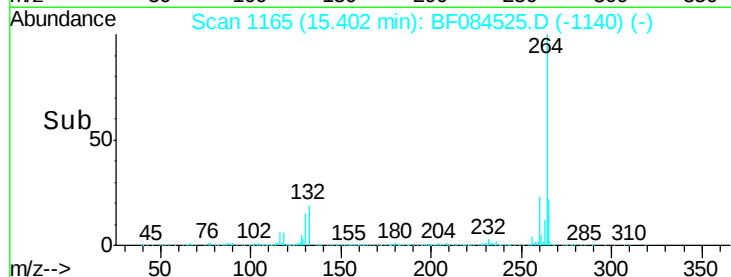
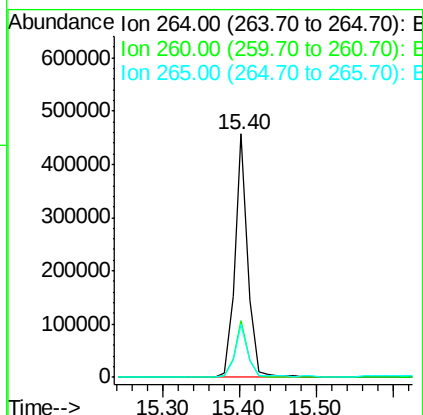
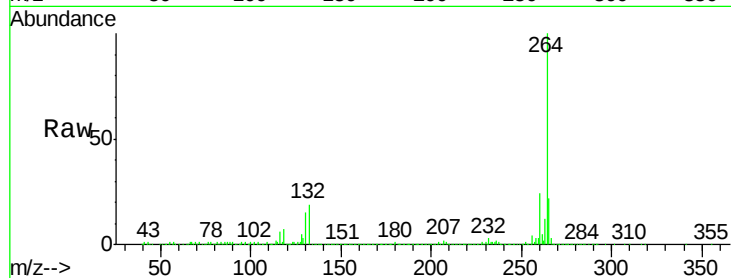




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

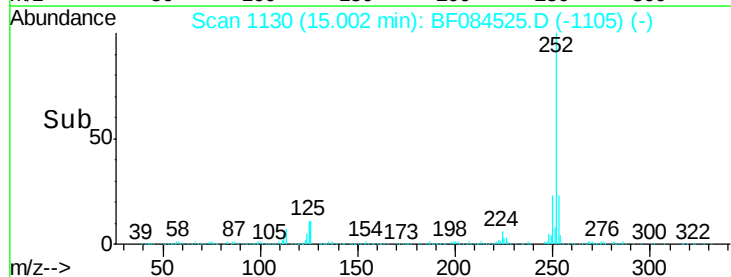
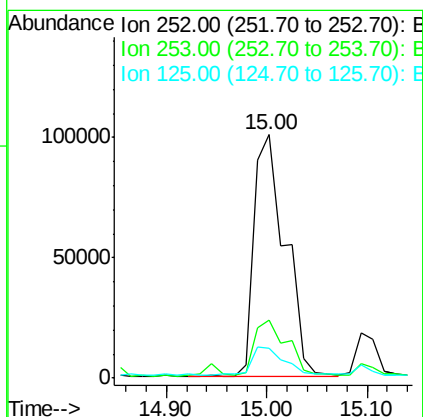
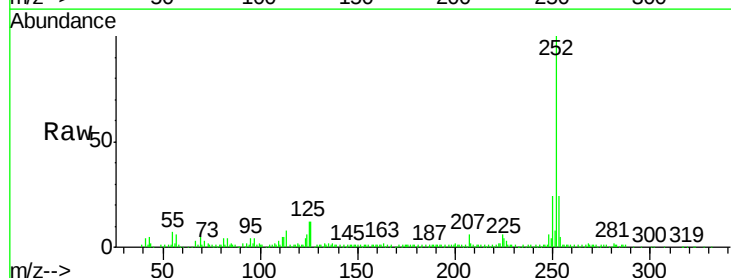
Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

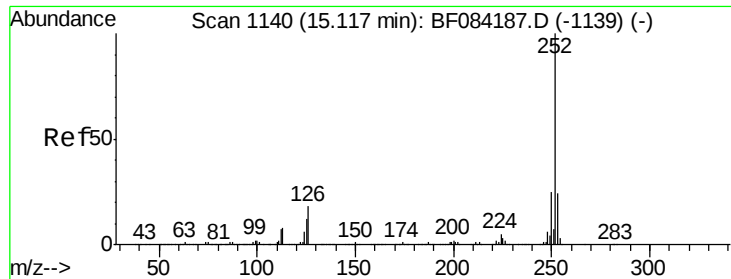
Tgt Ion: 264 Resp: 542928
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.8 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 6.11 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion: 252 Resp: 217099
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 12.5 6.5 9.7#

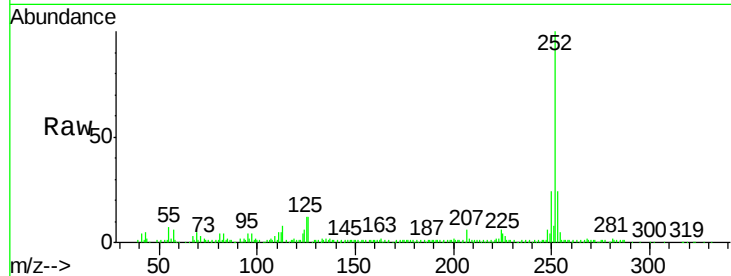




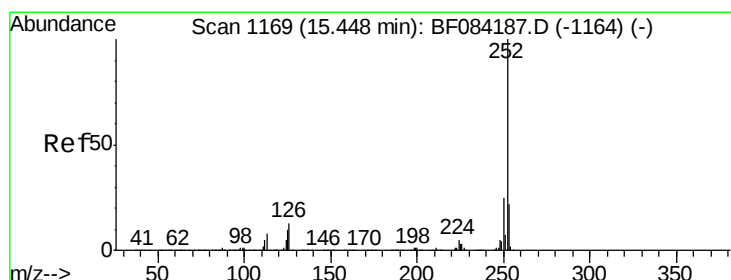
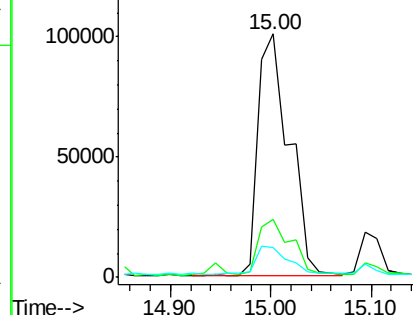
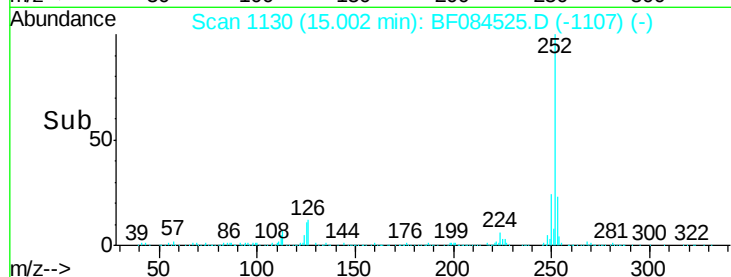
#88
Benzo(k)fluoranthene
Concen: 7.47 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	12.5	9.0	13.6

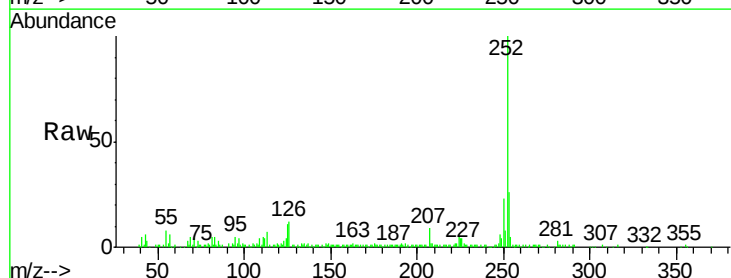


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

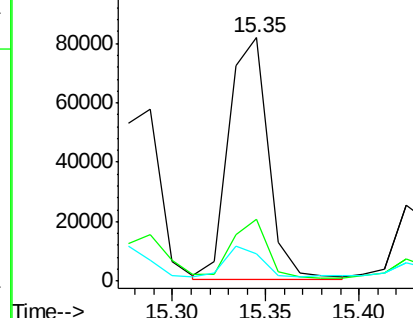
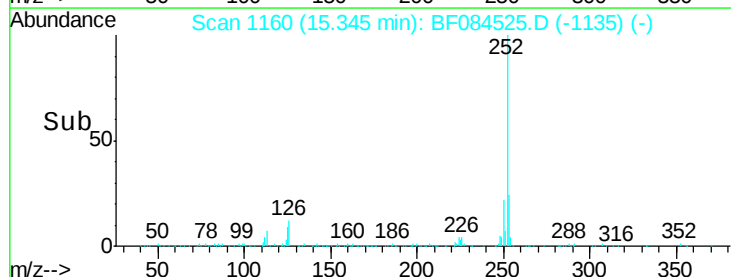


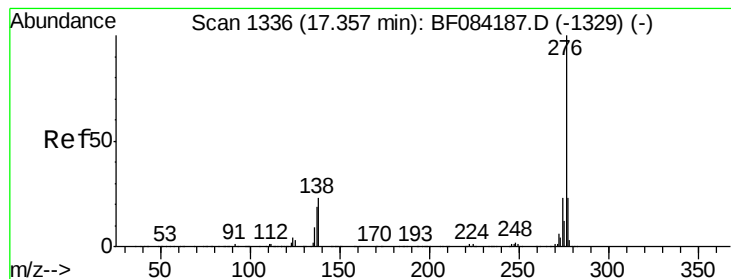
#89
Benzo(a)pyrene
Concen: 4.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.3	25.9
125	11.0	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: 2.78 ng

RT: 17.19 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF084525.D

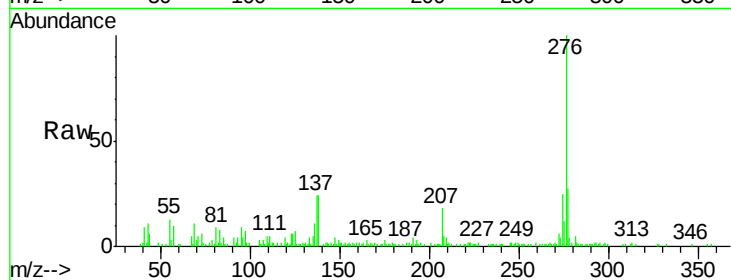
Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114



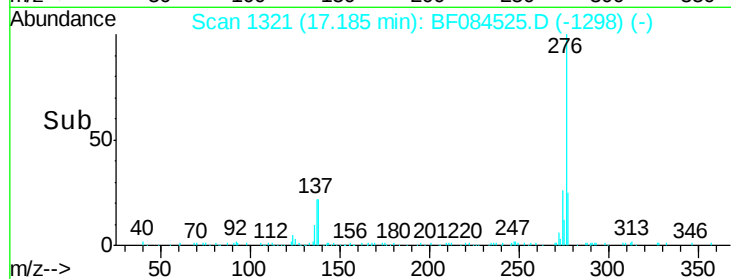
Tgt Ion: 276 Resp: 74675

Ion Ratio Lower Upper

276 100

277 26.7 18.8 28.2

138 24.0 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

