

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085385.D
 Acq On : 11 Mar 2016 21:27
 Operator : UM/SJ
 Sample : H1758-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-17-20160309

Quant Time: Mar 11 22:02:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	141184	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	526531	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	231357	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	356241	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	270564	20.00	ng	-0.05
86) Perylene-d12	15.57	264	271917	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	743535	88.34	ng	-0.05
7) Phenol-d6	6.56	99	1162887	105.45	ng	-0.05
23) Nitrobenzene-d5	7.50	82	735411	74.74	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	117498	59.35	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1158218	76.14	ng	-0.05
78) Terphenyl-d14	13.05	244	768557	65.94	ng	-0.03

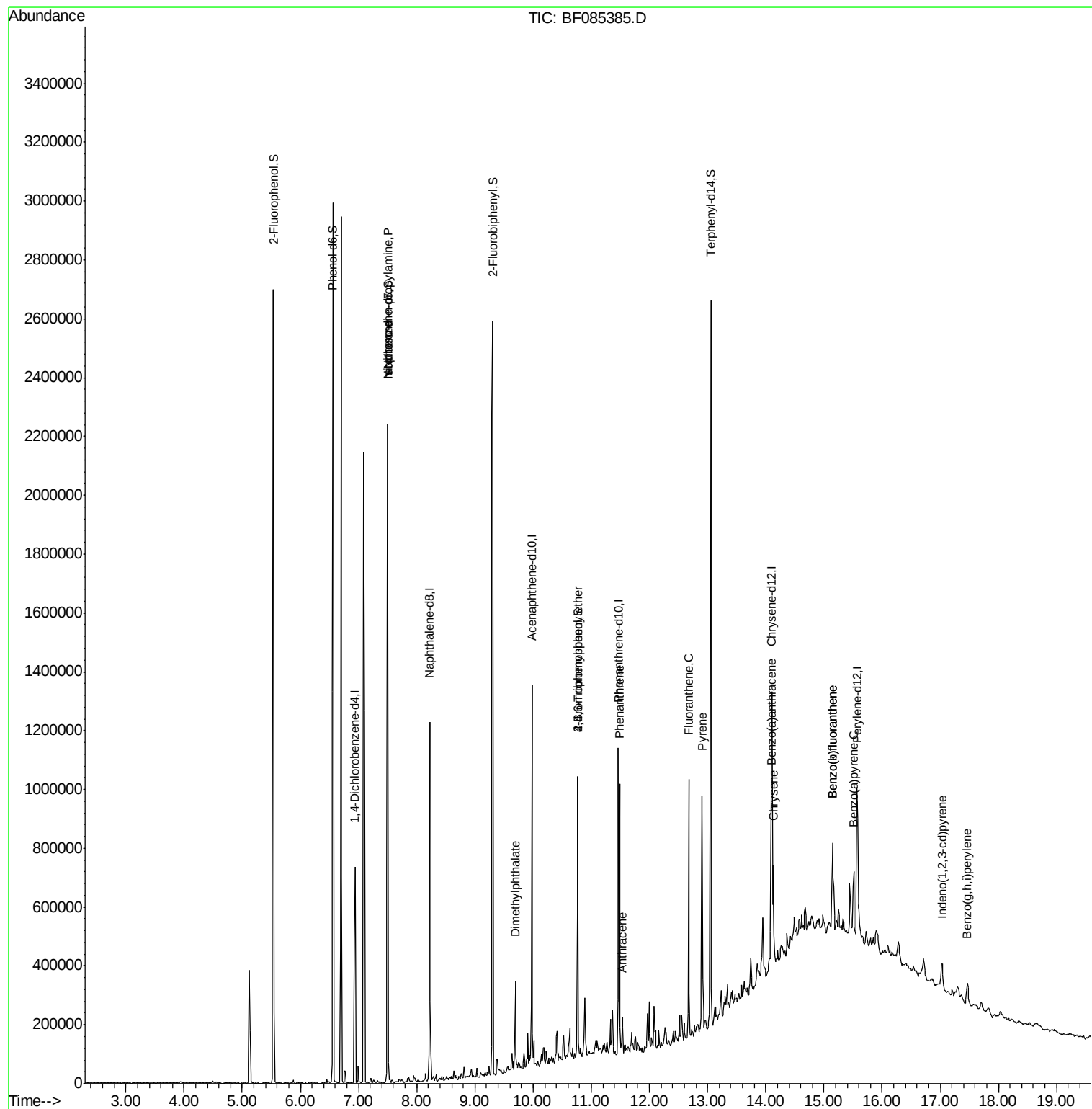
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	1968	Below Cal	#	2
19) n-Nitroso-di-n-propylamine	7.50	70	100585	13.99	ng	# 78
25) Isophorone	7.50	82	558223	30.61	ng	# 67
49) Dimethylphthalate	9.69	163	108712	6.12	ng	# 98
66) 4-Bromophenyl-phenylether	10.77	248	8578	2.48	ng	# 1
70) Phenanthrene	11.49	178	310221	16.62	ng	# 98
71) Anthracene	11.53	178	61954	3.13	ng	# 97
74) Fluoranthene	12.68	202	326090	17.40	ng	# 98
77) Pyrene	12.90	202	318516	15.64	ng	# 97
80) Benzo(a)anthracene	14.09	228	160637	9.92	ng	# 98
82) Chrysene	14.13	228	117089	7.83	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.03	276	64483	5.52	ng	# 92
87) Benzo(b)fluoranthene	15.15	252	213421	11.78	ng	# 95
88) Benzo(k)fluoranthene	15.15	252	213421	14.60	ng	# 94
89) Benzo(a)pyrene	15.51	252	120504	8.02	ng	# 92
91) Benzo(g,h,i)perylene	17.47	276	62179	4.82	ng	# 96

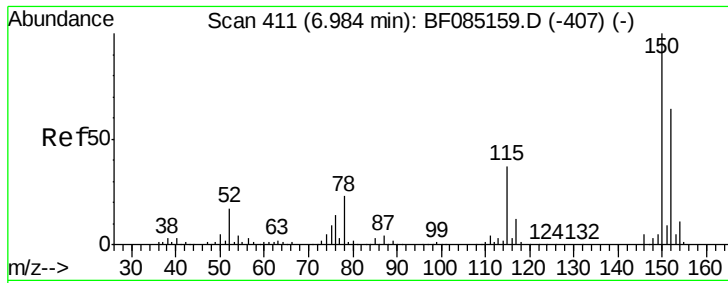
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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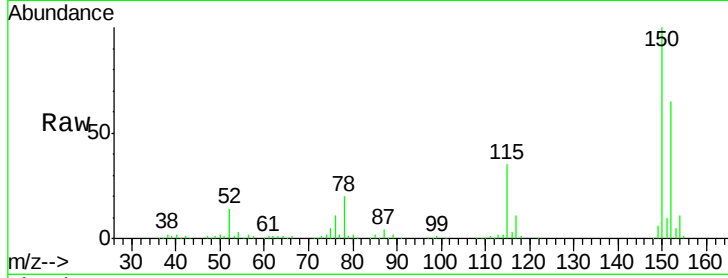


#1

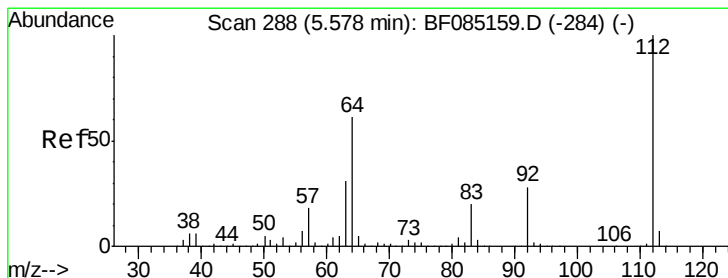
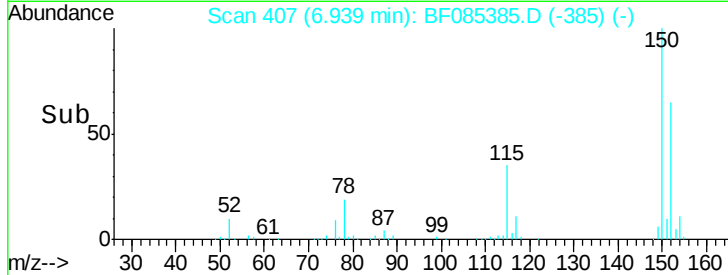
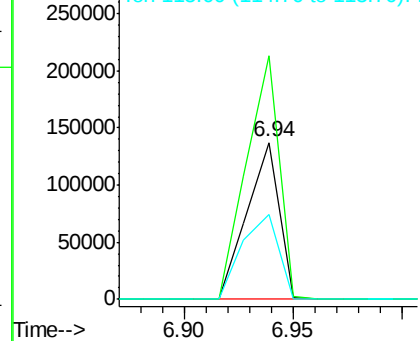
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Instrument :
BNA_F
ClientSampleId :
POST-EX-17-20160309

Tgt Ion:152 Resp: 141184
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 54.2 46.6 70.0



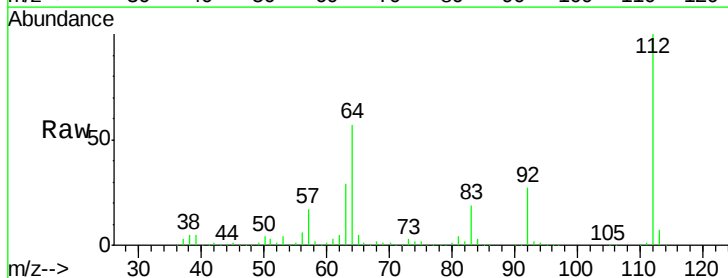
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



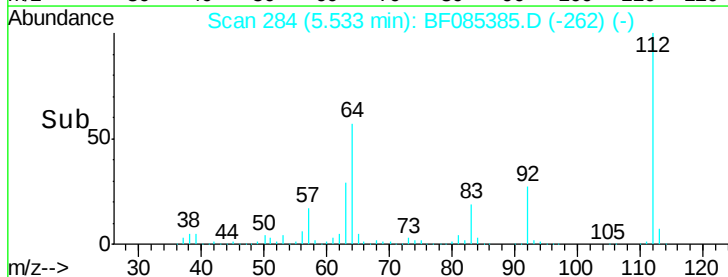
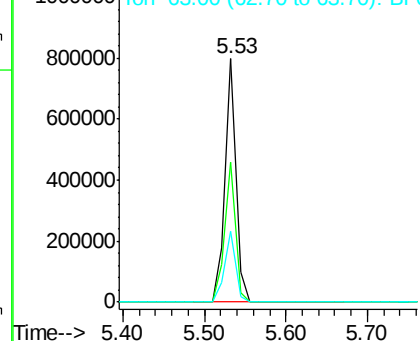
#5

2-Fluorophenol
Concen: 88.34 ng
RT: 5.53 min Scan# 284
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Tgt Ion:112 Resp: 743535
Ion Ratio Lower Upper
112 100
64 57.5 49.0 73.4
63 29.2 24.8 37.2



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: 105.45 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

Instrument :

BNA_F

ClientSampleId :

POST-EX-17-20160309

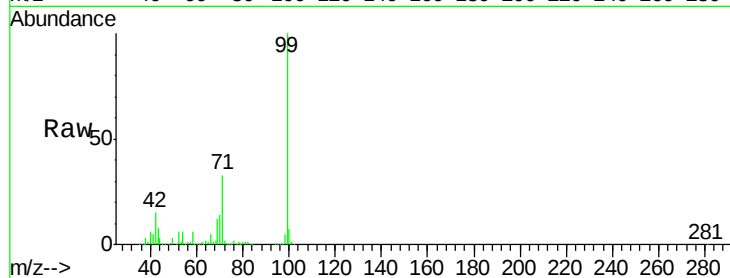
Tgt Ion: 99 Resp: 1162887

Ion Ratio Lower Upper

99 100

42 15.4 13.6 20.4

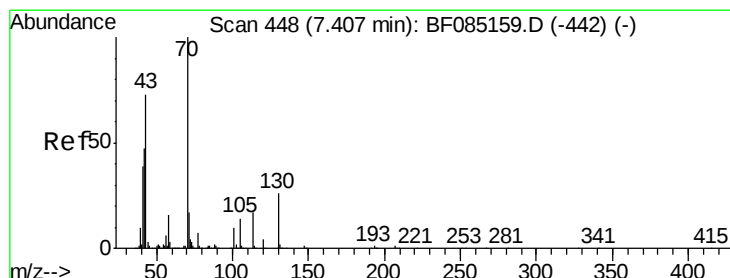
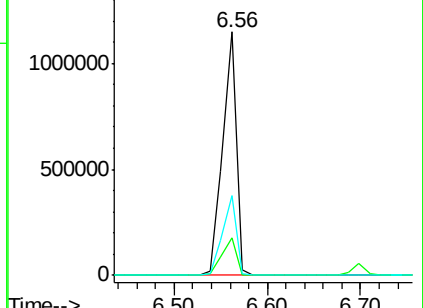
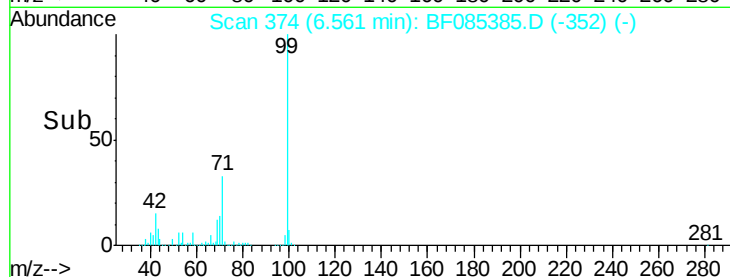
71 32.6 26.7 40.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.99 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

Tgt Ion: 70 Resp: 100585

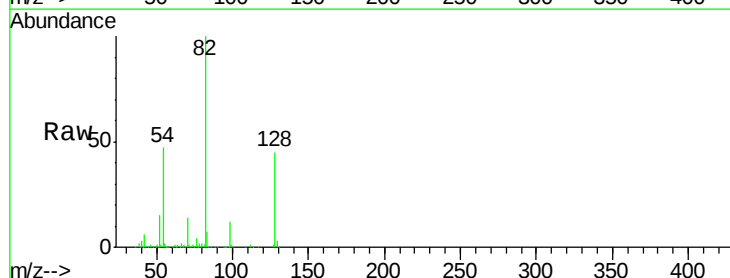
Ion Ratio Lower Upper

70 100

42 42.0 37.7 56.5

101 0.0 8.2 12.4#

130 2.4 20.5 30.7#

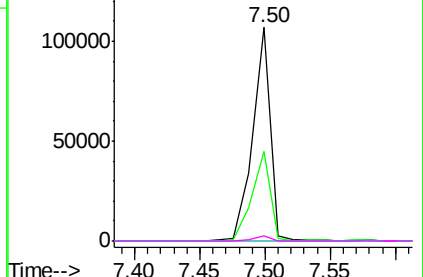
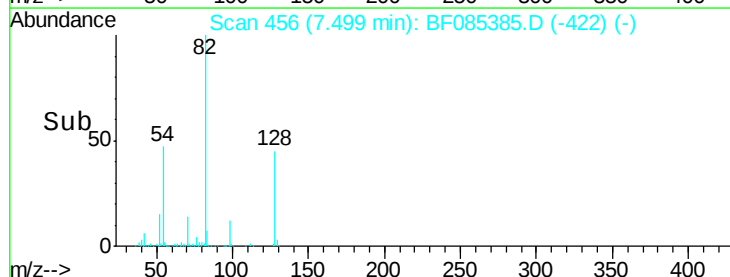


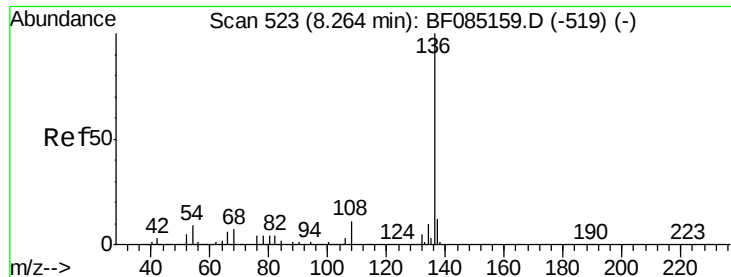
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

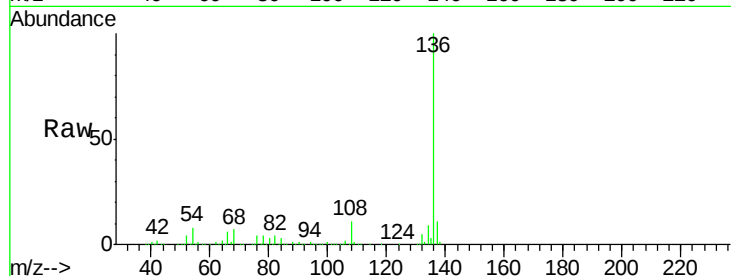




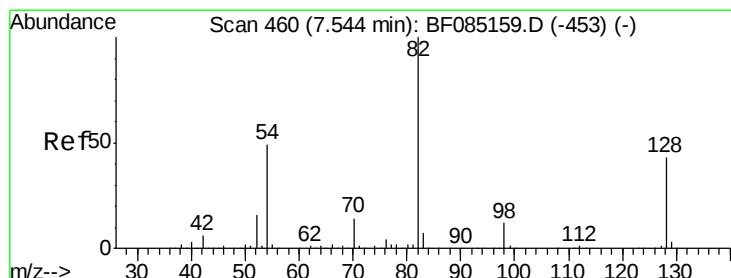
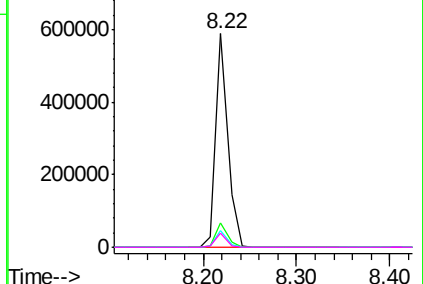
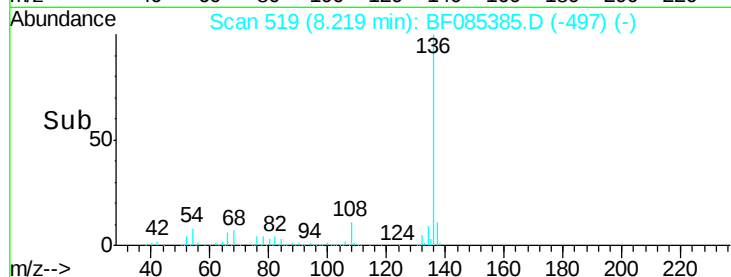
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Instrument :
BNA_F
ClientSampleId :
POST-EX-17-20160309

Tgt Ion:	136	Resp:	526531
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	8.1	7.4	11.2
68	6.6	6.0	9.0

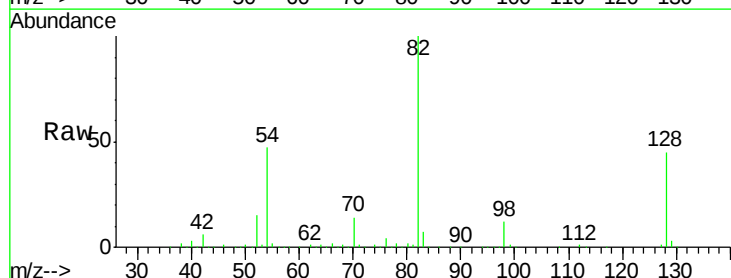


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

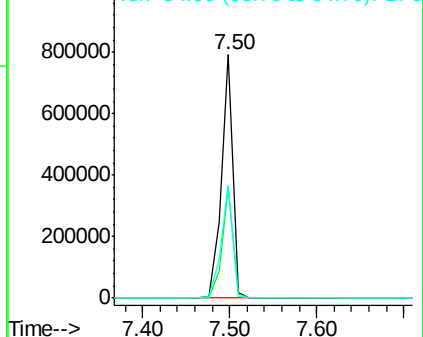
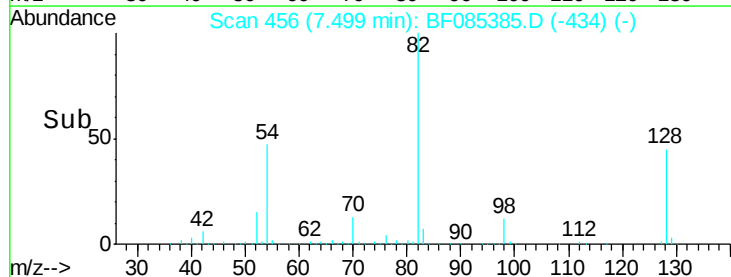


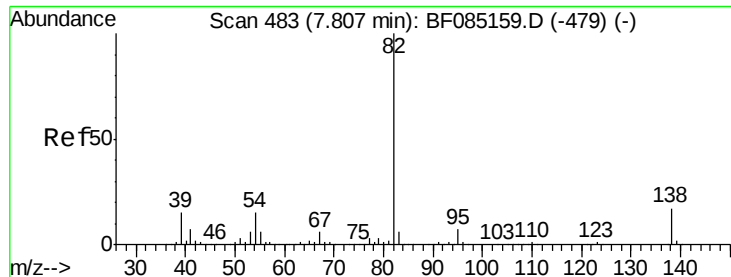
#23
Nitrobenzene-d5
Concen: 74.74 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Tgt Ion:	82	Resp:	735411
Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.5	51.7
54	46.6	39.3	58.9



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





#25

Isophorone

Concen: 30.61 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

Instrument :

BNA_F

ClientSampleId :

POST-EX-17-20160309

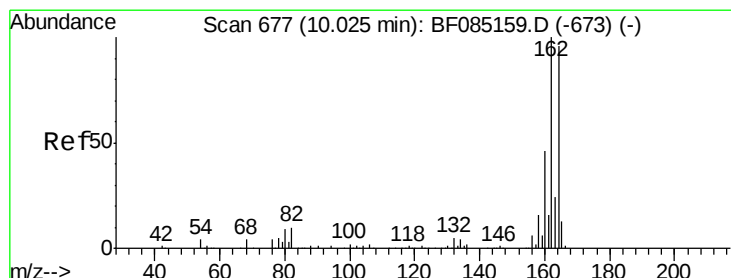
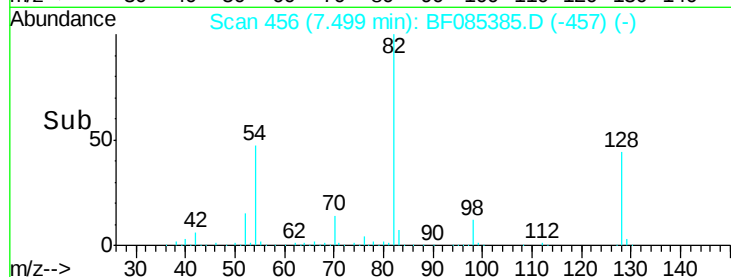
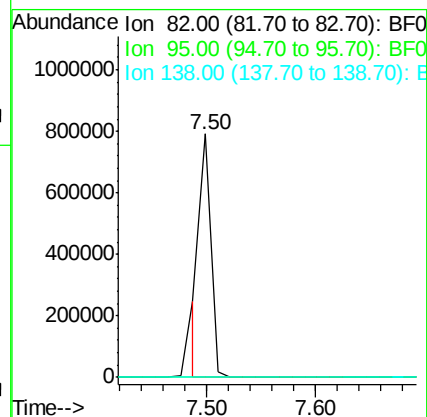
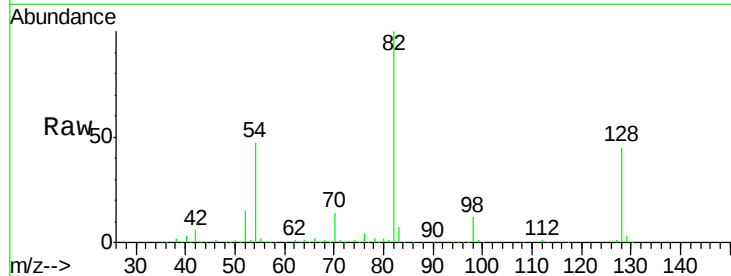
Tgt Ion: 82 Resp: 558223

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

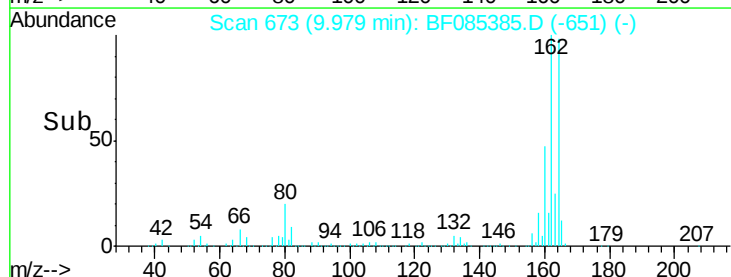
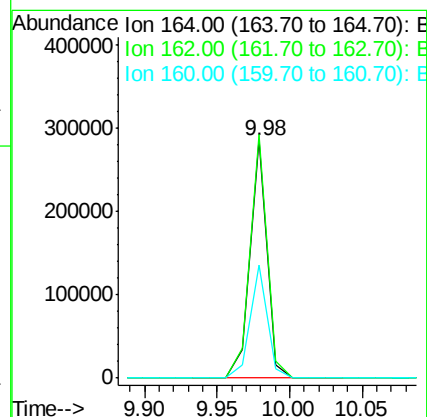
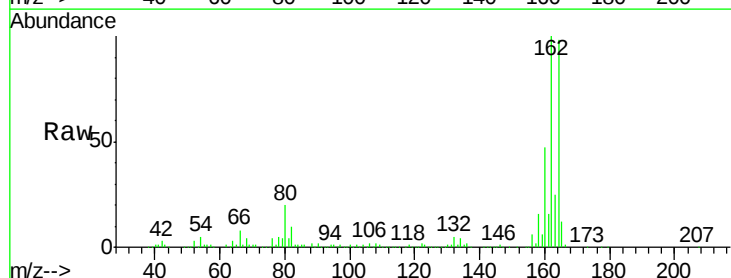
Tgt Ion: 164 Resp: 231357

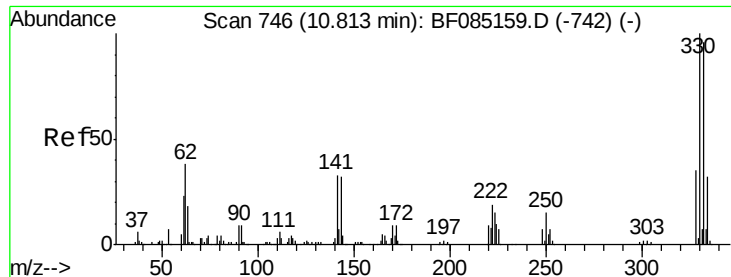
Ion Ratio Lower Upper

164 100

162 102.2 83.3 124.9

160 47.6 37.9 56.9

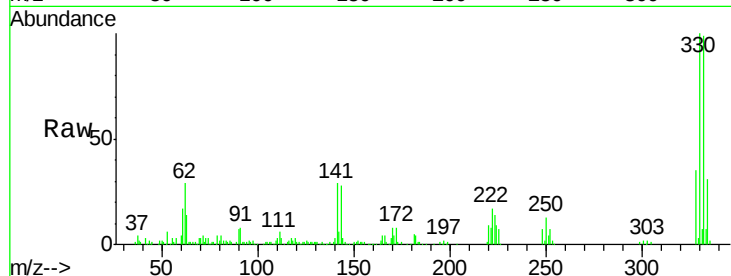




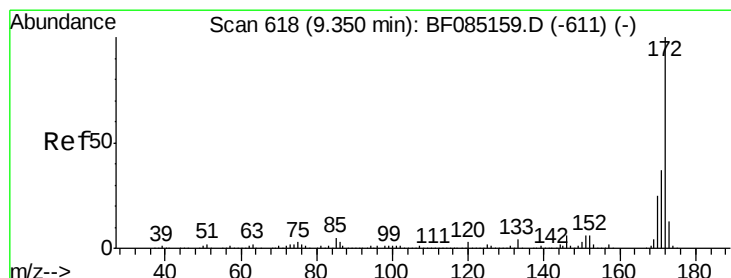
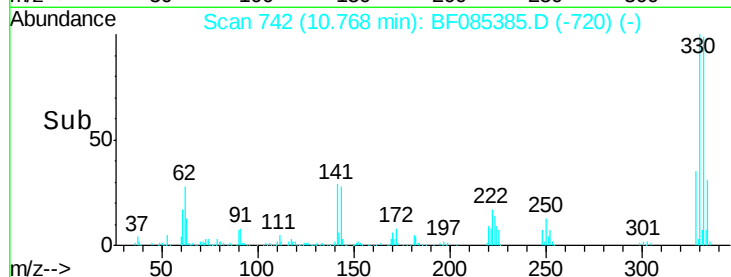
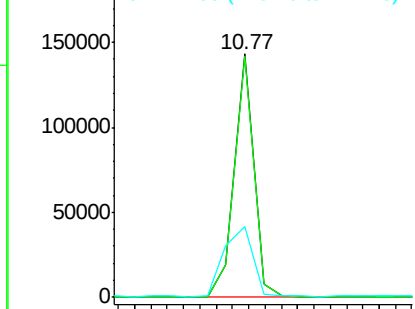
#41
 2,4,6-Tribromophenol
 Concen: 59.35 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085385.D
 Acq: 11 Mar 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-17-20160309

Tgt Ion:330 Resp: 117498
 Ion Ratio Lower Upper
 330 100
 332 99.4 77.1 115.7
 141 42.9 35.0 52.6

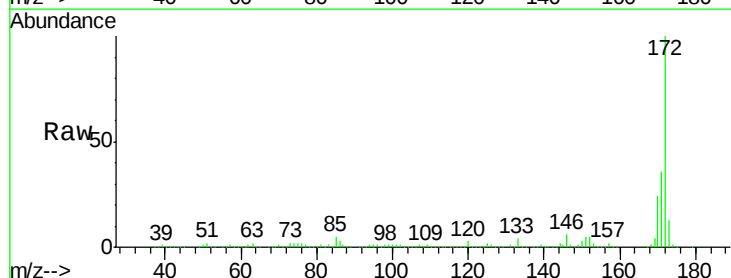


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

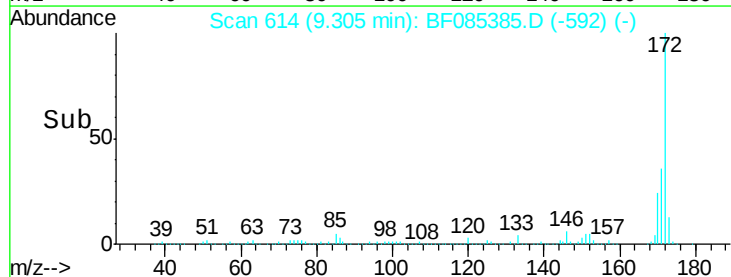
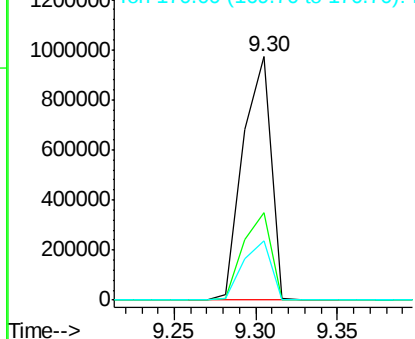


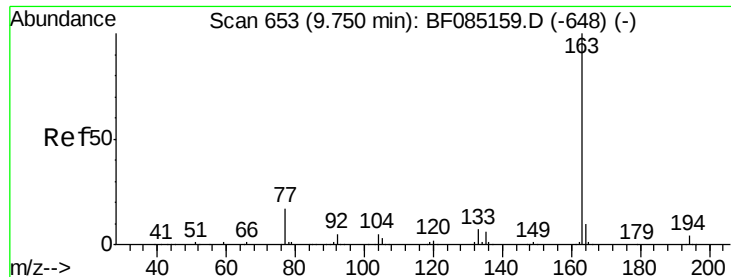
#44
 2-Fluorobiphenyl
 Concen: 76.14 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085385.D
 Acq: 11 Mar 2016 21:27

Tgt Ion:172 Resp: 1158218
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 24.2 20.0 30.0



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

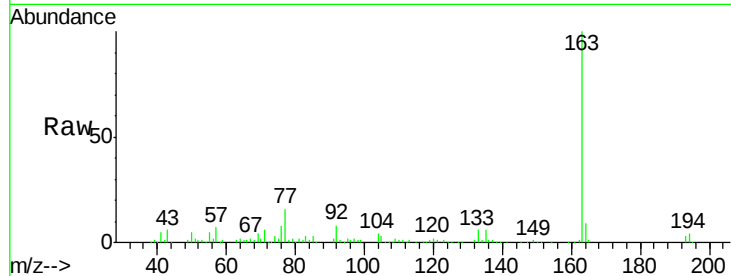




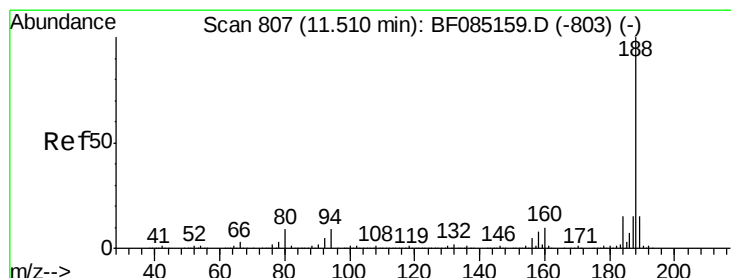
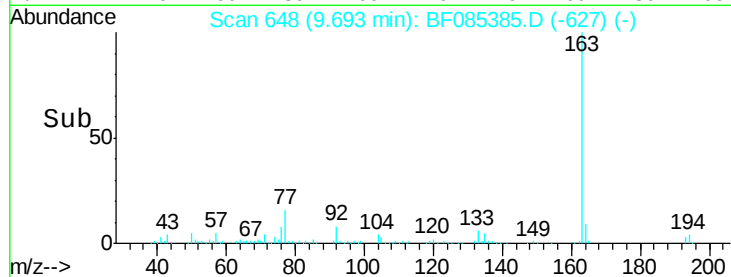
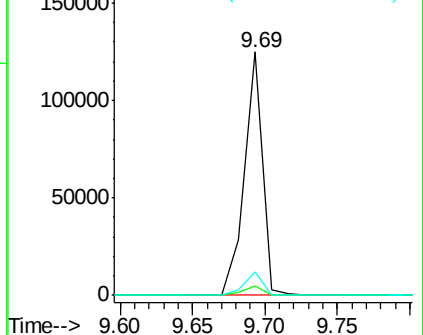
#49
Dimethylphthalate
Concen: 6.12 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Instrument :
BNA_F
ClientSampleId :
POST-EX-17-20160309

Tgt Ion:163 Resp: 108712
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.4 8.2 12.4

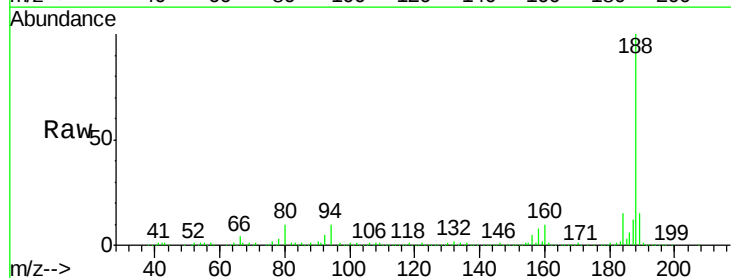


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

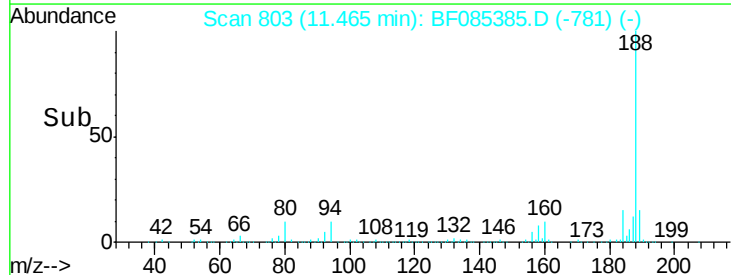
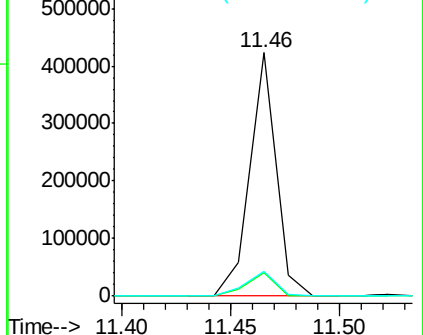


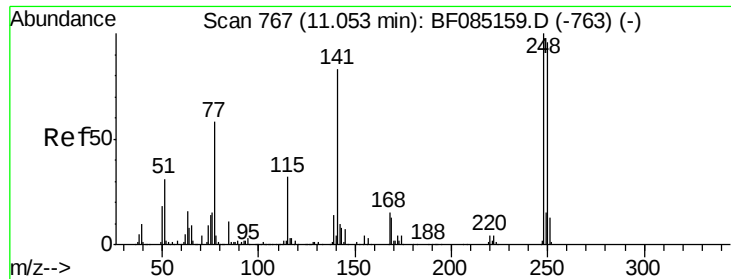
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Tgt Ion:188 Resp: 356241
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.2 7.4 11.0



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

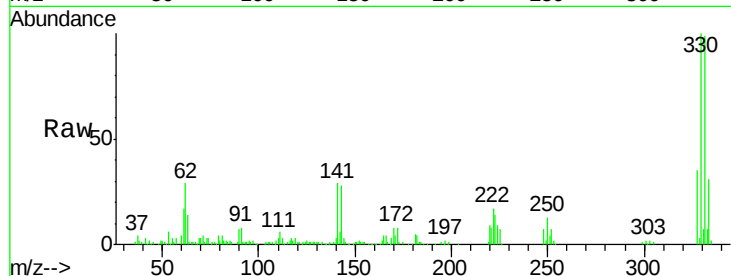




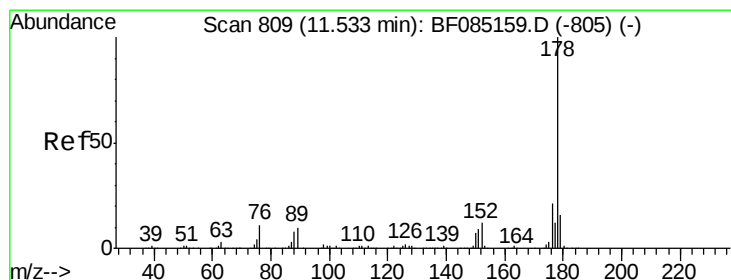
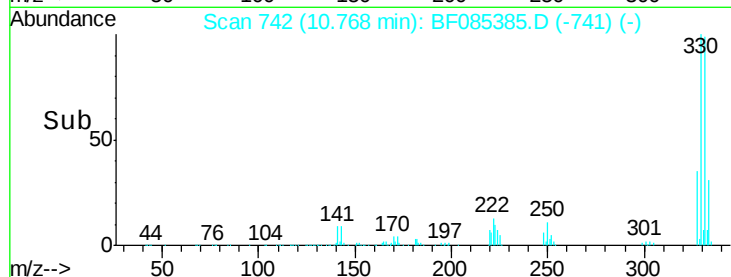
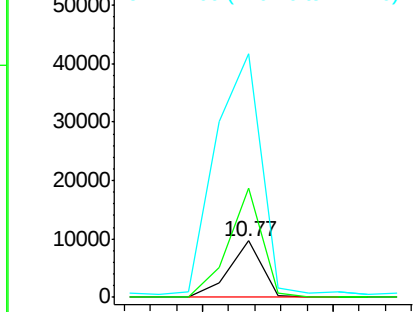
#66
4-Bromophenyl-phenylether
Concen: 2.48 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Instrument :
BNA_F
ClientSampleId :
POST-EX-17-20160309

Tgt Ion:248 Resp: 8578
Ion Ratio Lower Upper
248 100
250 192.3 77.1 115.7#
141 430.1 66.2 99.2#

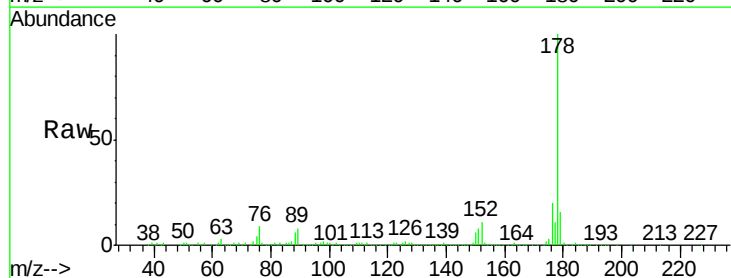


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

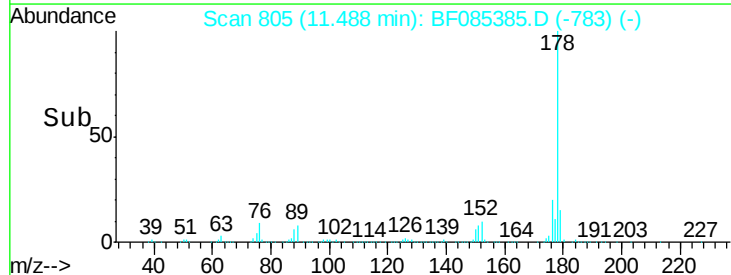
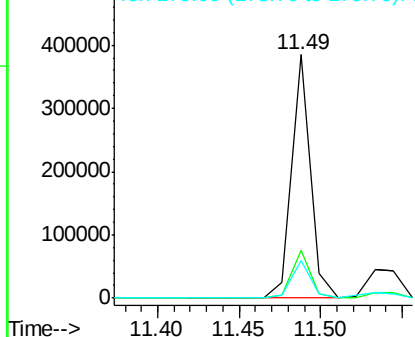


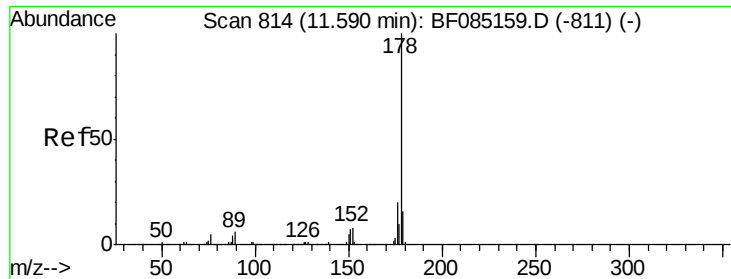
#70
Phenanthrene
Concen: 16.62 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Tgt Ion:178 Resp: 310221
Ion Ratio Lower Upper
178 100
176 19.6 16.8 25.2
179 15.5 13.1 19.7



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

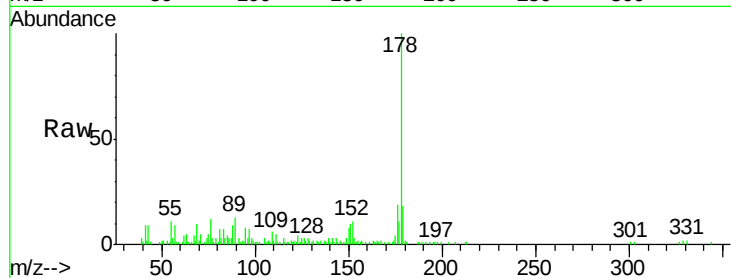




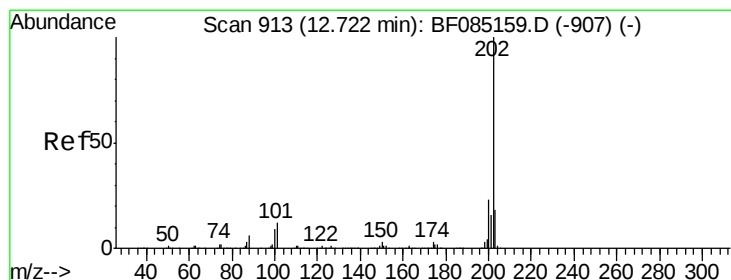
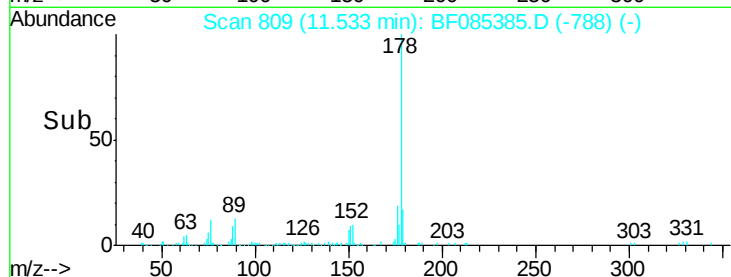
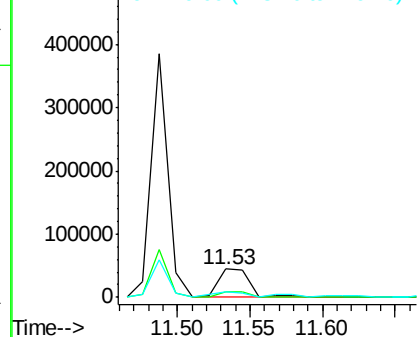
#71
 Anthracene
 Concen: 3.13 ng
 RT: 11.53 min Scan# 809
 Delta R.T. -0.06 min
 Lab File: BF085385.D
 Acq: 11 Mar 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-17-20160309

Tgt Ion:178 Resp: 61954
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 17.8 12.5 18.7

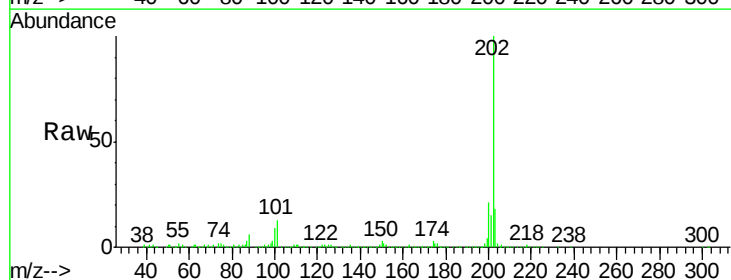


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

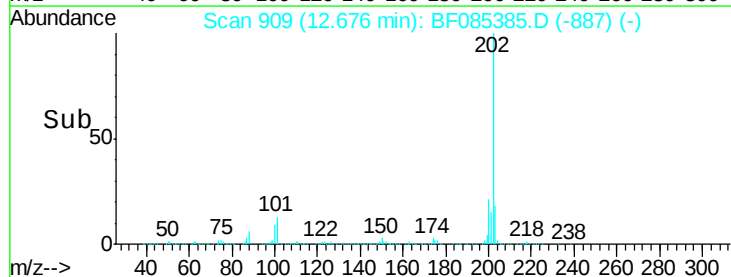
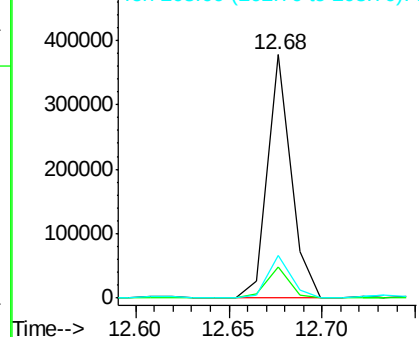


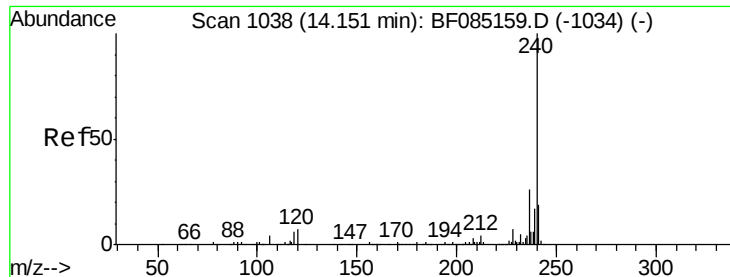
#74
 Fluoranthene
 Concen: 17.40 ng
 RT: 12.68 min Scan# 909
 Delta R.T. -0.05 min
 Lab File: BF085385.D
 Acq: 11 Mar 2016 21:27

Tgt Ion:202 Resp: 326090
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 31.8
 203 17.7 0.0 38.4



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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

Instrument :

BNA_F

ClientSampleId :

POST-EX-17-20160309

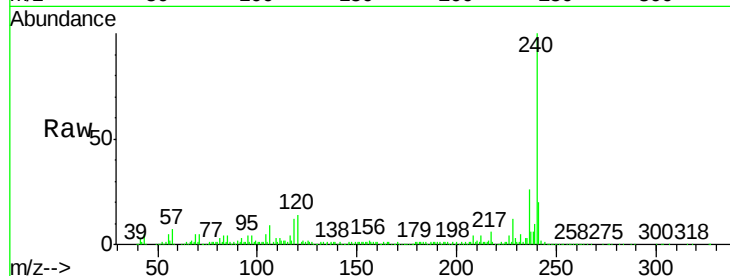
Tgt Ion:240 Resp: 270564

Ion Ratio Lower Upper

240 100

120 14.0 5.3 7.9#

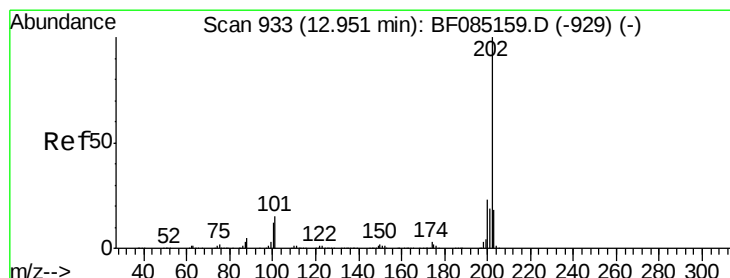
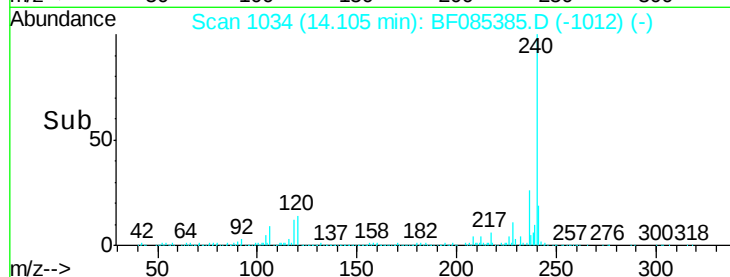
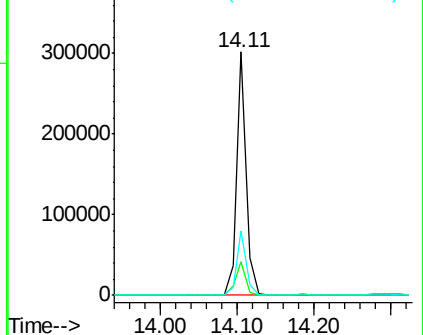
236 26.4 20.7 31.1



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: 15.64 ng

RT: 12.90 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

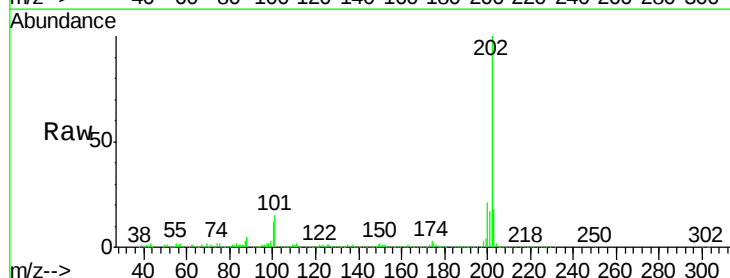
Tgt Ion:202 Resp: 318516

Ion Ratio Lower Upper

202 100

200 21.1 18.2 27.4

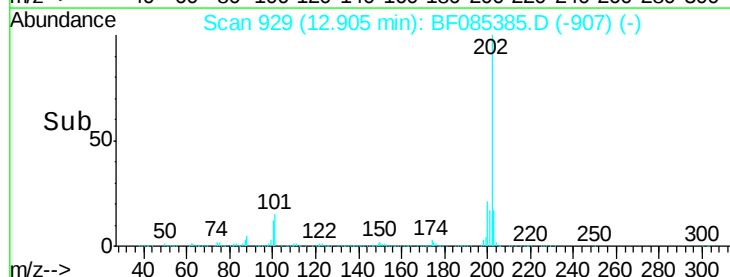
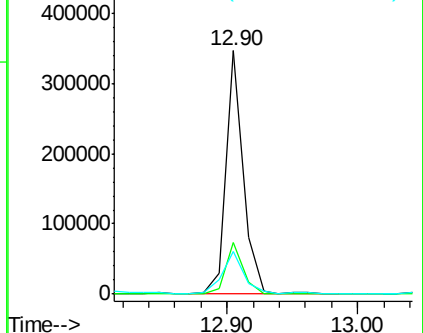
203 17.6 14.7 22.1

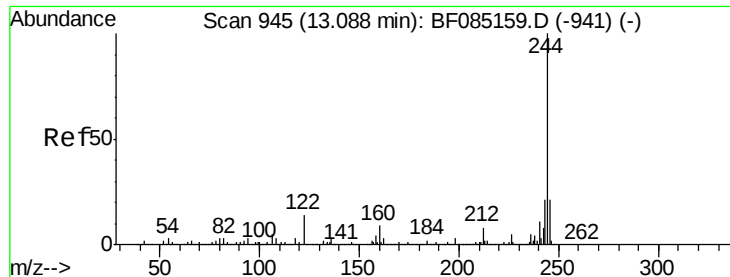


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.94 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

Instrument :

BNA_F

ClientSampleId :

POST-EX-17-20160309

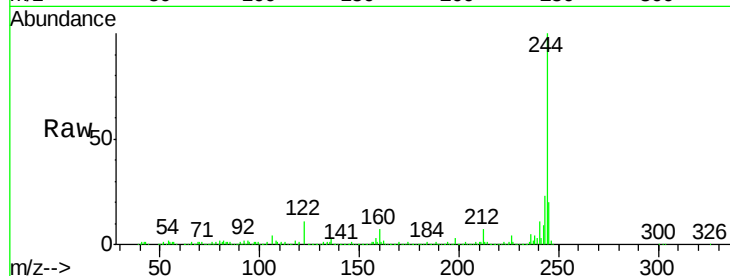
Tgt Ion:244 Resp: 768557

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

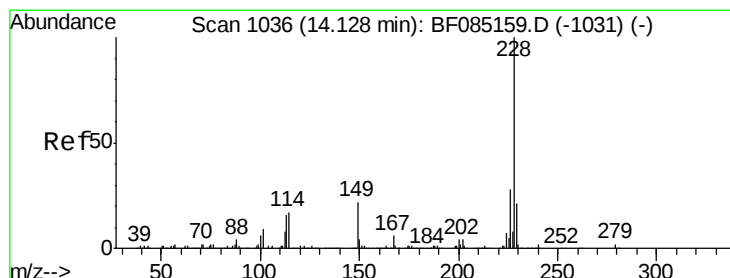
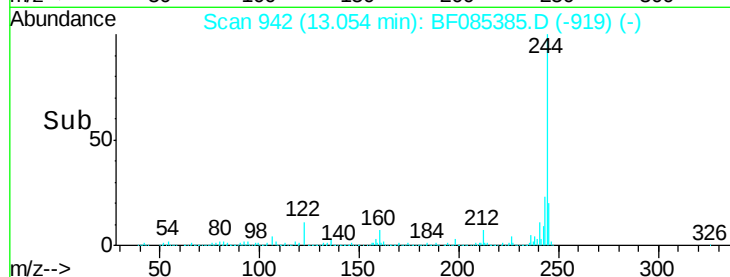
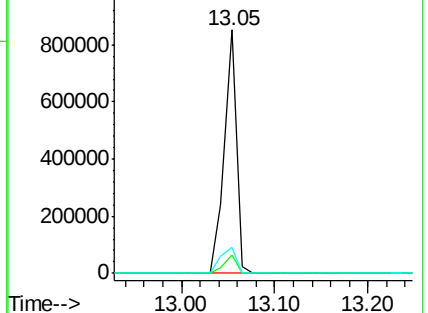
122 10.9 11.4 17.2#



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: 9.92 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

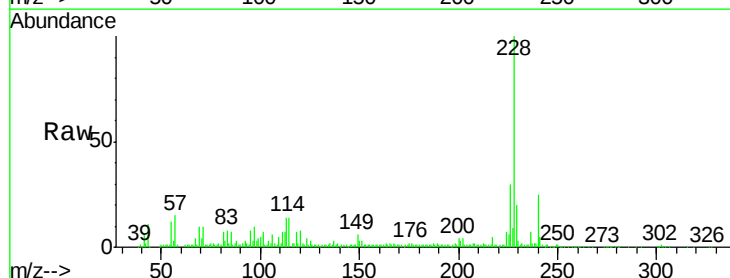
Tgt Ion:228 Resp: 160637

Ion Ratio Lower Upper

228 100

226 30.0 22.8 34.2

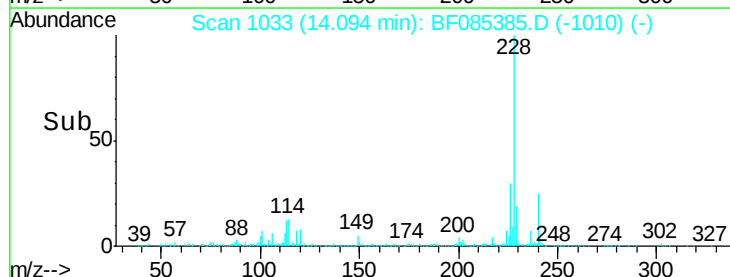
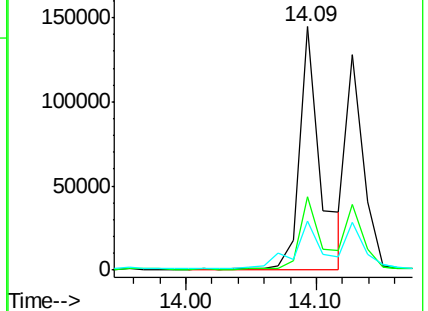
229 19.9 16.6 24.8

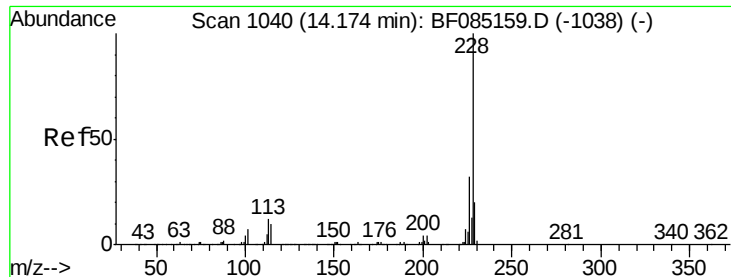


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.83 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

Instrument :

BNA_F

ClientSampleId :

POST-EX-17-20160309

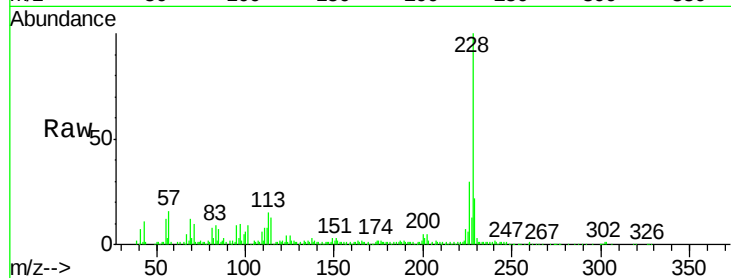
Tgt Ion: 228 Resp: 117089

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

229 22.2 16.0 24.0

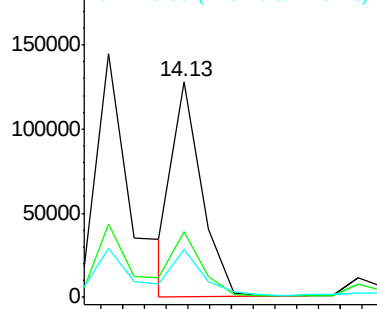


Abundance

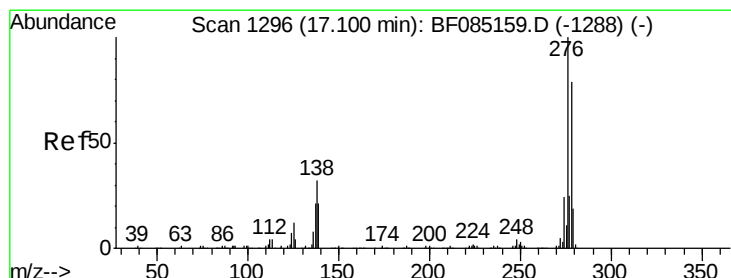
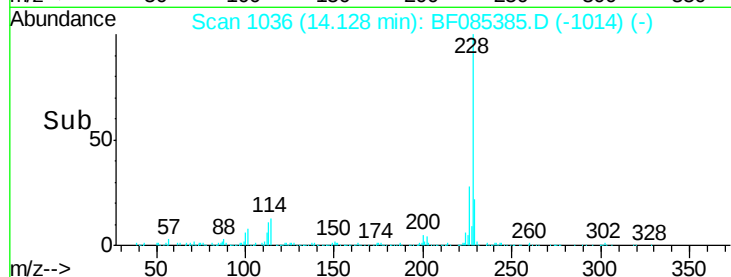
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.52 ng

RT: 17.03 min Scan# 1290

Delta R.T. -0.07 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

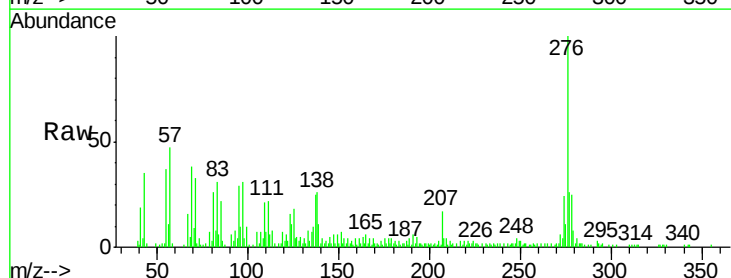
Tgt Ion: 276 Resp: 64483

Ion Ratio Lower Upper

276 100

138 27.7 26.4 39.6

277 28.4 20.2 30.2

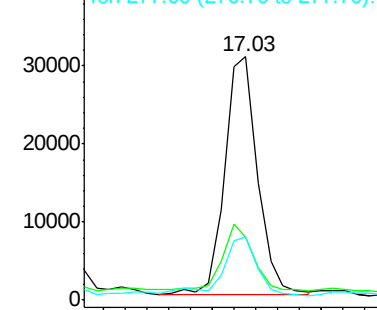


Abundance

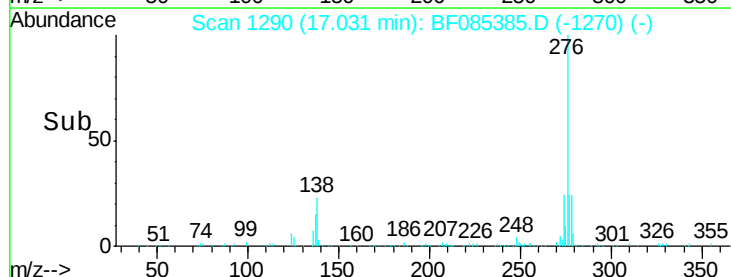
Ion 276.00 (275.70 to 276.70): E

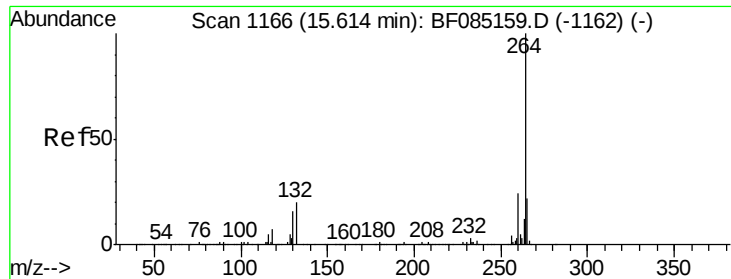
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

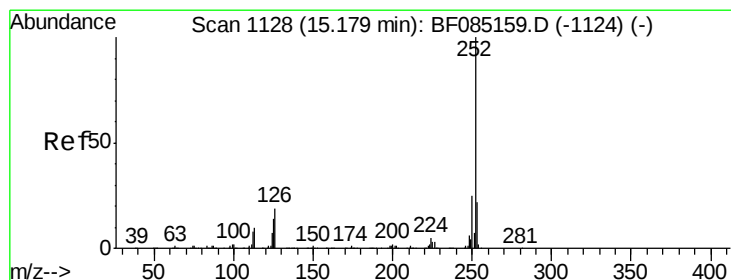
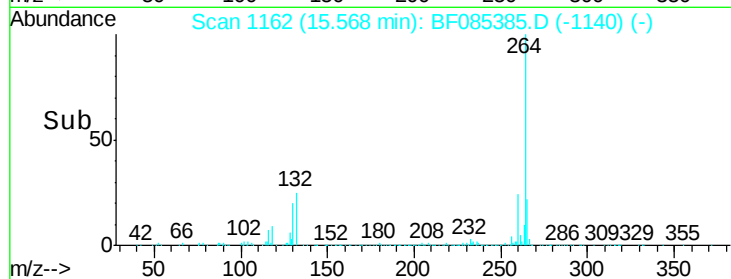
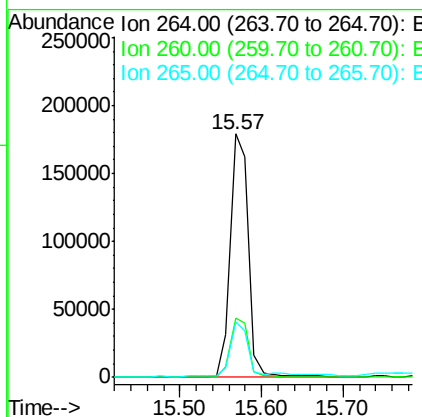
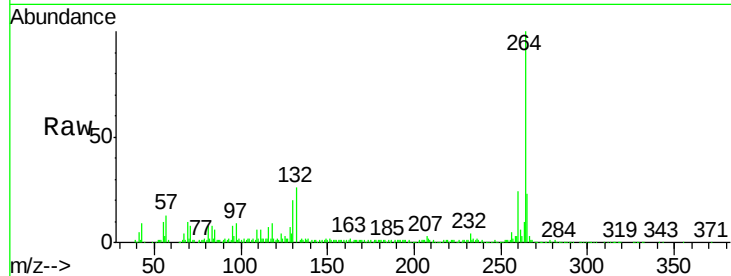




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

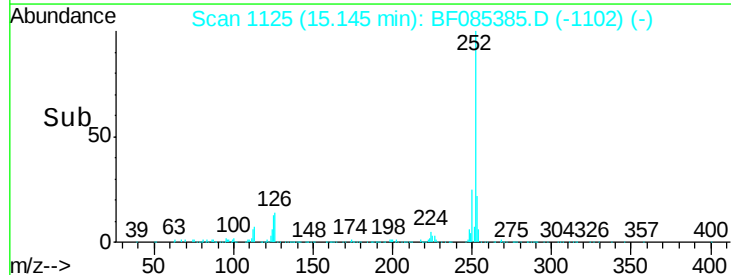
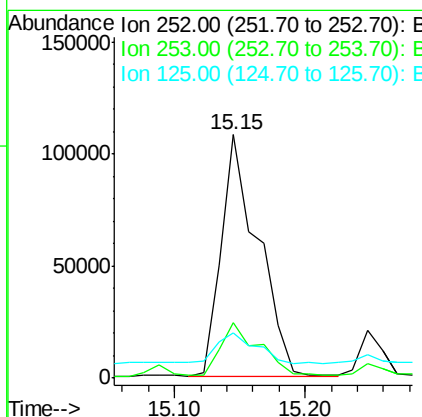
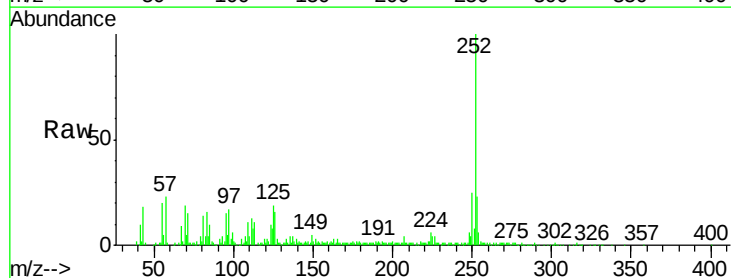
Instrument :
BNA_F
ClientSampleId :
POST-EX-17-20160309

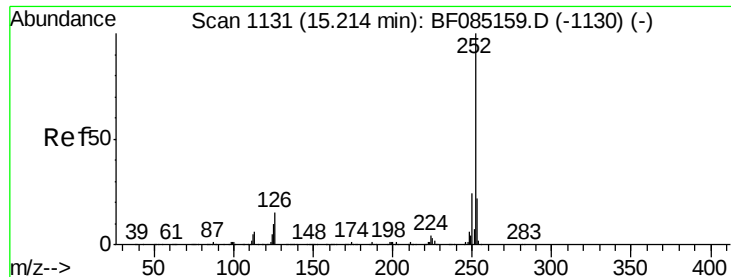
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 11.78 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	18.8	11.3	16.9

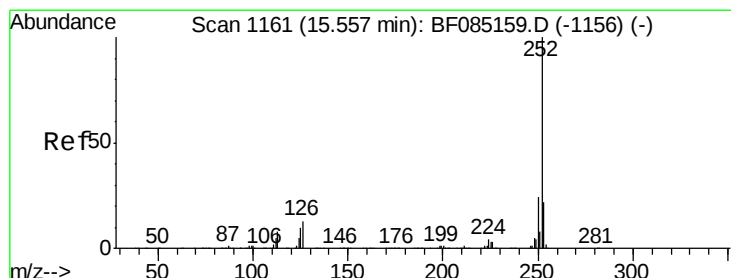
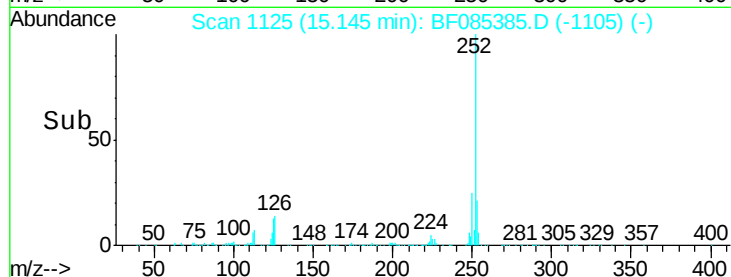
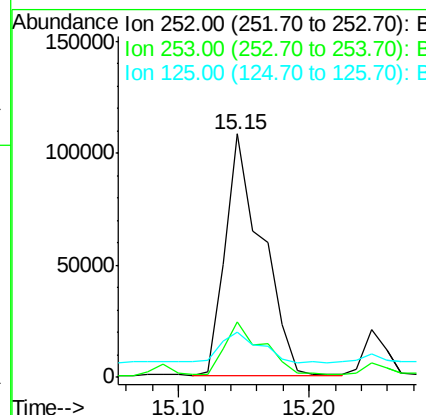
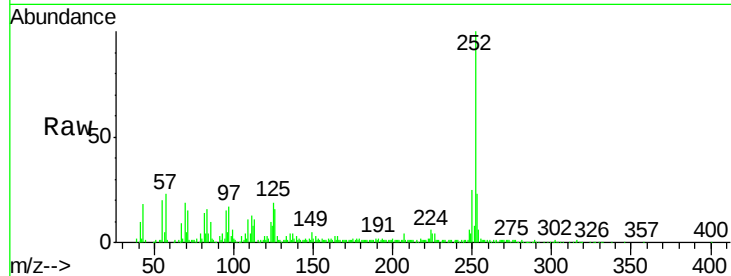




#88
Benzo(k)fluoranthene
Concen: 14.60 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

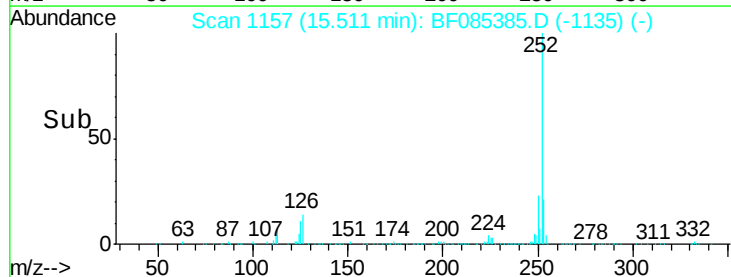
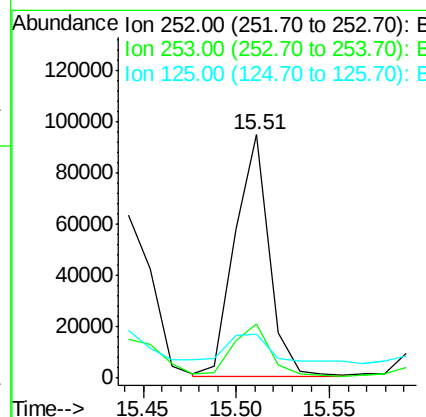
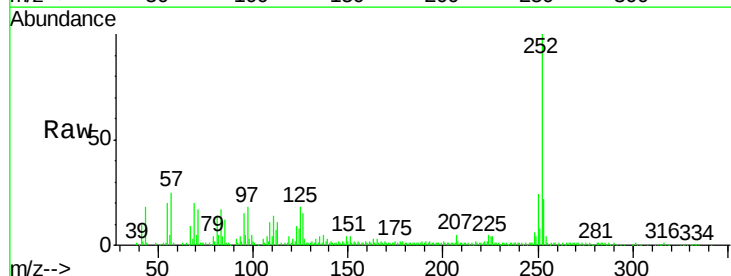
Instrument :
BNA_F
ClientSampleId :
POST-EX-17-20160309

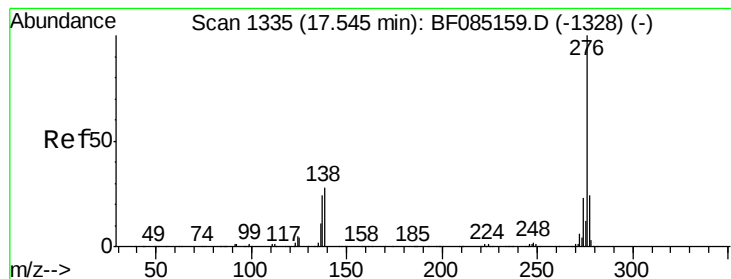
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	18.8	10.4	15.6



#89
Benzo(a)pyrene
Concen: 8.02 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085385.D
Acq: 11 Mar 2016 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	17.9	8.2	12.4





#91

Benzo(g,h,i)perylene

Concen: 4.82 ng

RT: 17.47 min Scan# 1328

Delta R.T. -0.08 min

Lab File: BF085385.D

Acq: 11 Mar 2016 21:27

Instrument :

BNA_F

ClientSampleId :

POST-EX-17-20160309

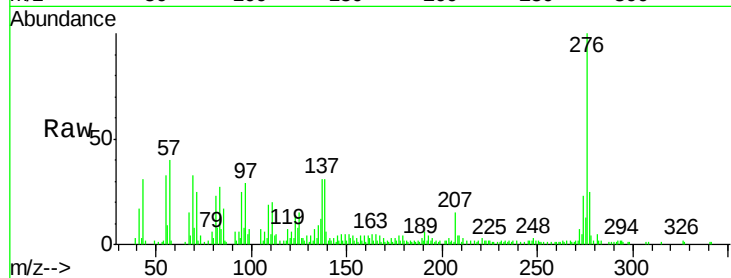
Tgt Ion: 276 Resp: 62179

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 31.0 22.5 33.7



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

