

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
 Data File : BF084526.D
 Acq On : 16 Jan 2016 8:09
 Operator : SJ/UM
 Sample : H1143-03 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

Quant Time: Jan 18 00:11:08 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

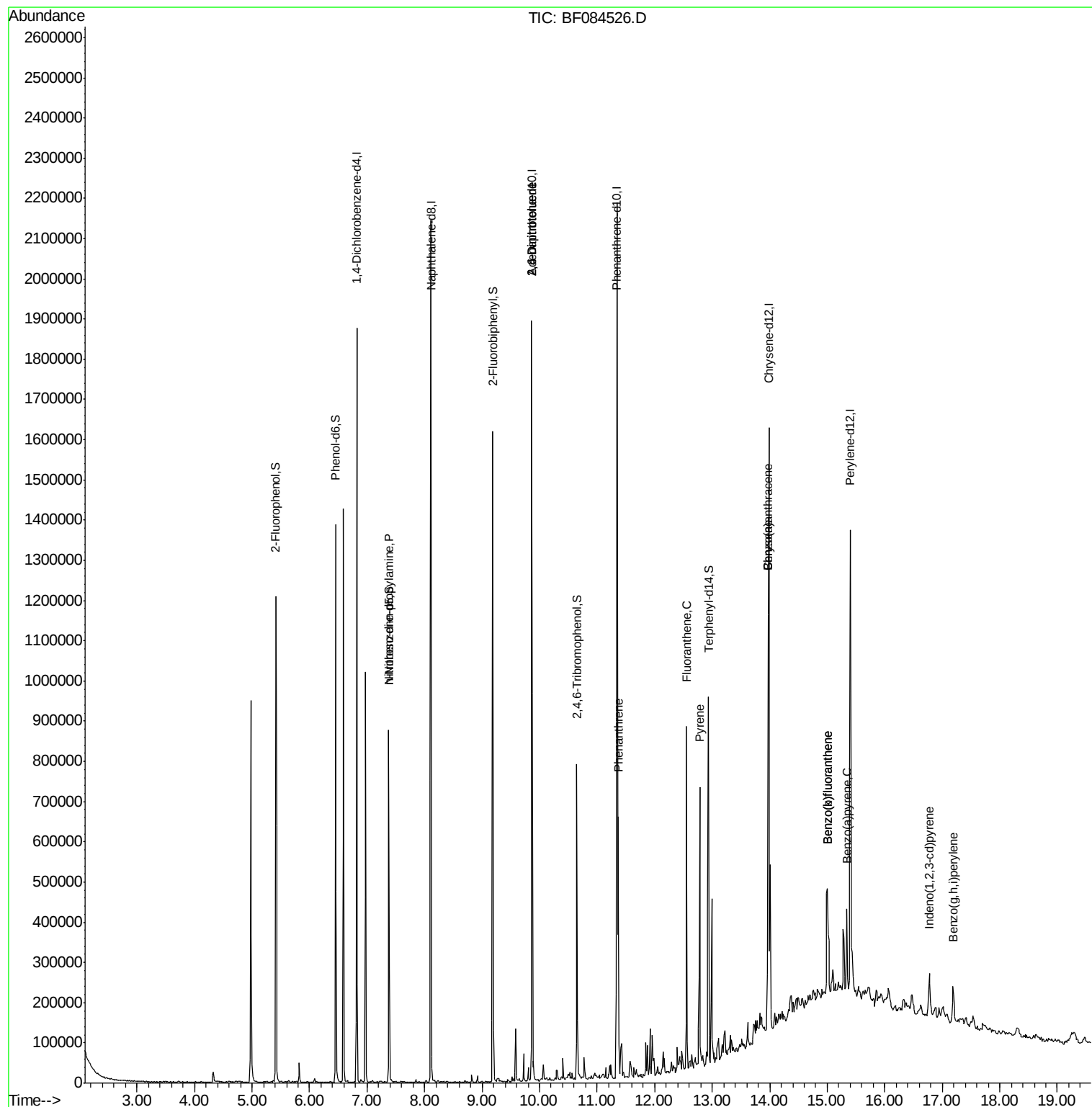
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	251333	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	1025271	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	426800	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	731928	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	564065	20.00	ng	-0.01
86) Perylene-d12	15.40	264	527059	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	382368	24.61	ng	-0.02
7) Phenol-d6	6.45	99	479471	24.57	ng	-0.02
23) Nitrobenzene-d5	7.38	82	282411	15.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	85453	19.83	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	464331	13.84	ng	-0.01
78) Terphenyl-d14	12.93	244	305516	12.09	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	37982	2.88	ng	# 69
50) 2,6-Dinitrotoluene	9.86	165	55193	8.25	ng	# 37
54) Dibenzofuran	10.06	168	11194	Below Cal		# 93
56) 2,4-Dinitrotoluene	9.86	165	55664	6.57	ng	# 21
57) Fluorene	10.41	166	15528	Below Cal		97
70) Phenanthrene	11.37	178	227568	5.94	ng	99
73) Di-n-butylphthalate	11.92	149	45132	Below Cal		97
74) Fluoranthene	12.56	202	315756	7.89	ng	97
77) Pyrene	12.78	202	286161	6.46	ng	98
80) Benzo(a)anthracene	13.97	228	160672	4.85	ng	96
82) Chrysene	13.97	228	160672	5.05	ng	100
85) Indeno(1,2,3-cd)pyrene	16.77	276	69665	2.76	ng	97
87) Benzo(b)fluoranthene	15.00	252	214722	6.23	ng	# 96
88) Benzo(k)fluoranthene	15.00	252	214722	7.62	ng	99
89) Benzo(a)pyrene	15.35	252	118503	4.05	ng	99
91) Benzo(g,h,i)perylene	17.19	276	78030	2.99	ng	95

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
Data File : BF084526.D
Acq On : 16 Jan 2016 8:09
Operator : SJ/UM
Sample : H1143-03 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

Quant Time: Jan 18 00:11:08 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: BF084526.D

Acq: 16 Jan 2016 8:09

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

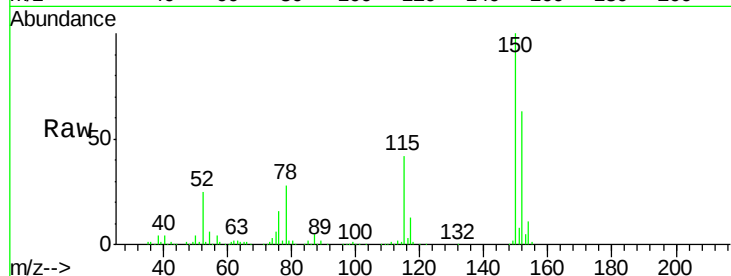
Tgt Ion:152 Resp: 251333

Ion Ratio Lower Upper

152 100

150 159.6 123.0 184.4

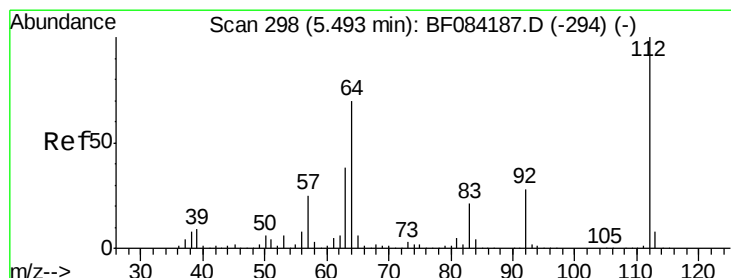
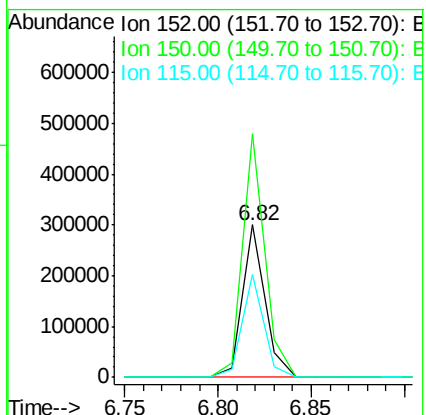
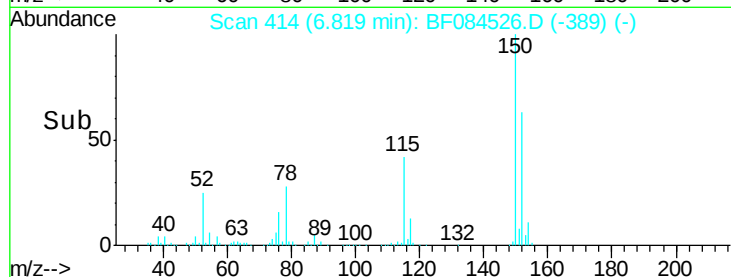
115 67.7 51.4 77.2



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: 24.61 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.02 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

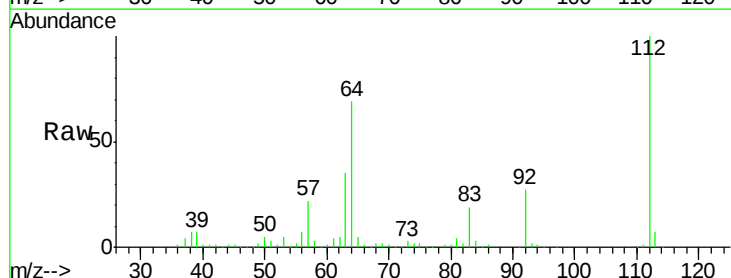
Tgt Ion:112 Resp: 382368

Ion Ratio Lower Upper

112 100

64 69.1 36.6 55.0#

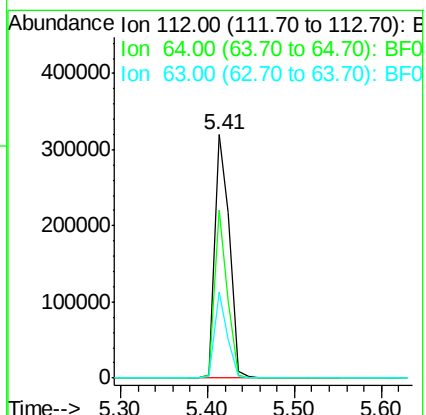
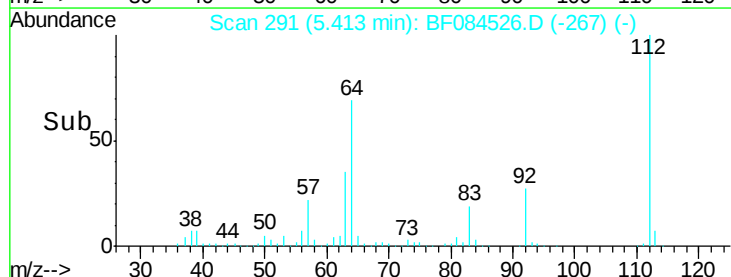
63 35.5 19.4 29.0#

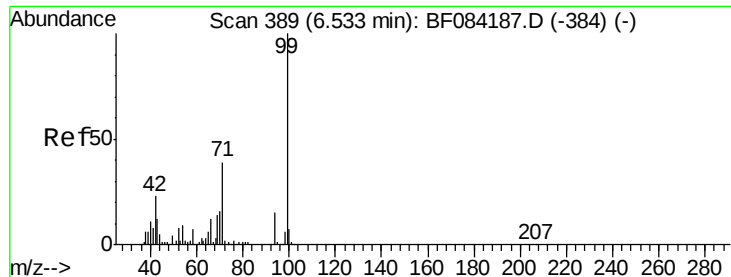


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.57 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

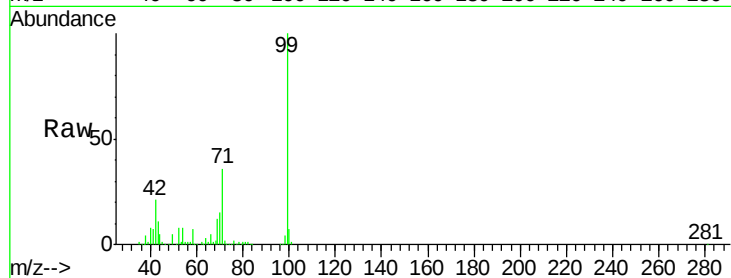
Tgt Ion: 99 Resp: 479471

Ion Ratio Lower Upper

99 100

42 21.0 12.8 19.2#

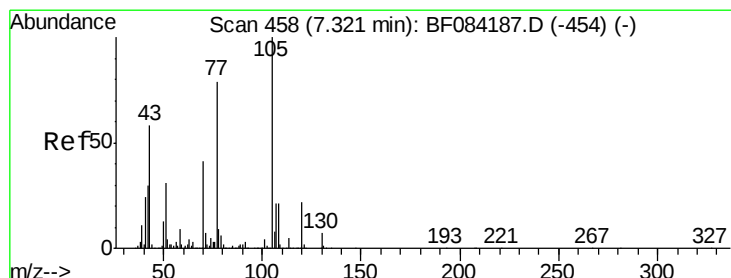
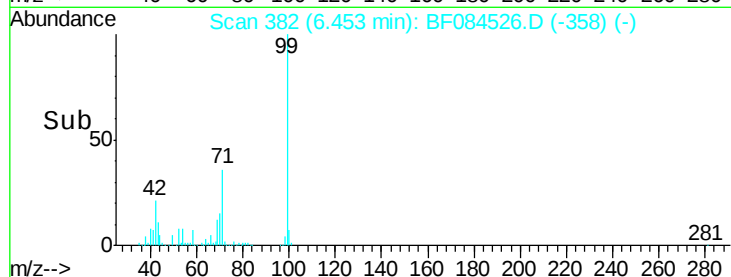
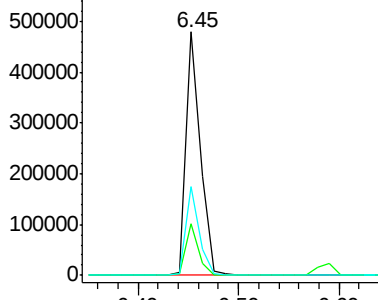
71 36.2 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.88 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.13 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

Tgt Ion: 70 Resp: 37982

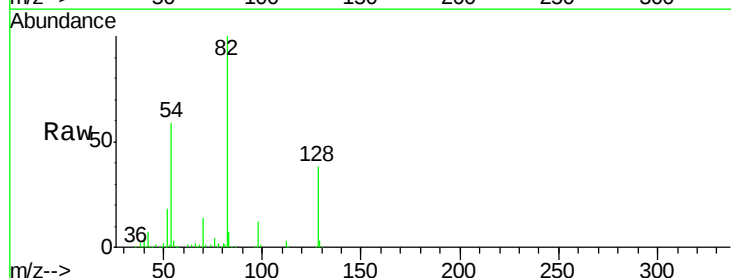
Ion Ratio Lower Upper

70 100

42 52.3 33.3 49.9#

101 0.0 9.3 13.9#

130 1.6 23.4 35.0#

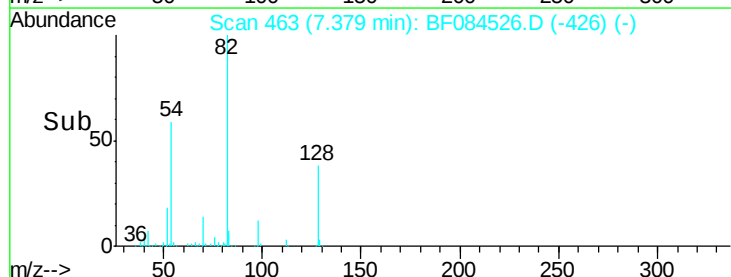
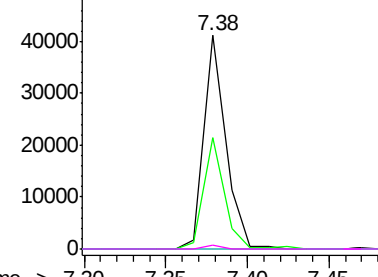


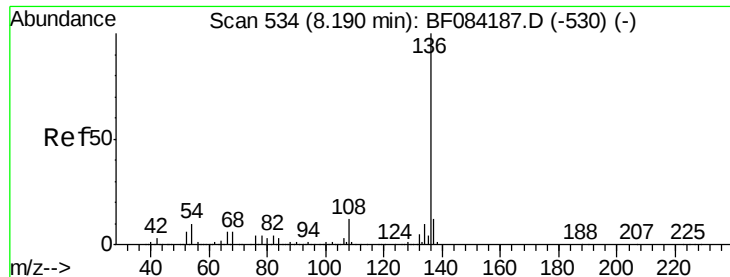
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

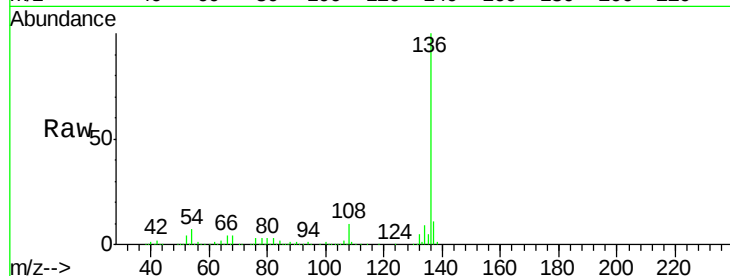




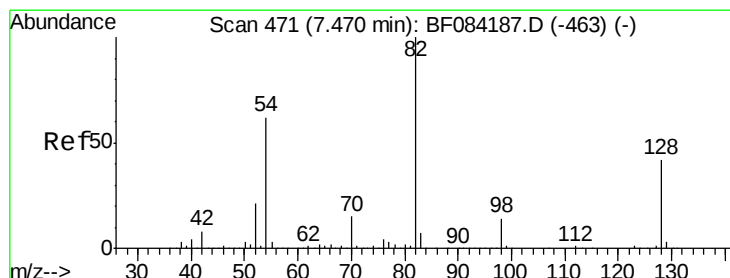
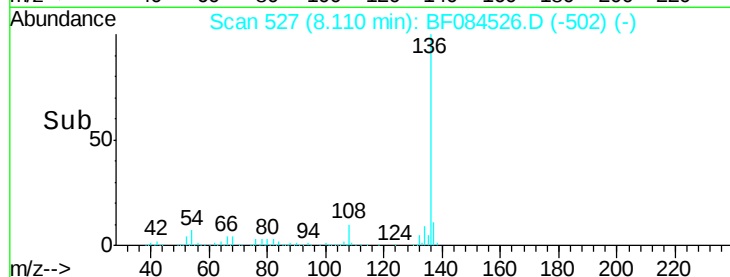
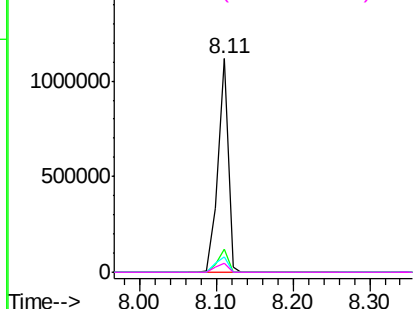
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

Tgt Ion:136 Resp: 1025271
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.2 5.8 8.8
68 4.5 4.2 6.2

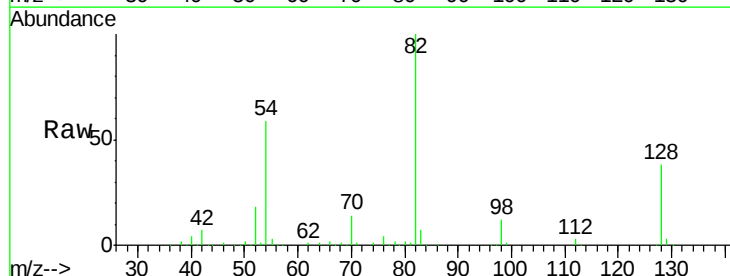


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

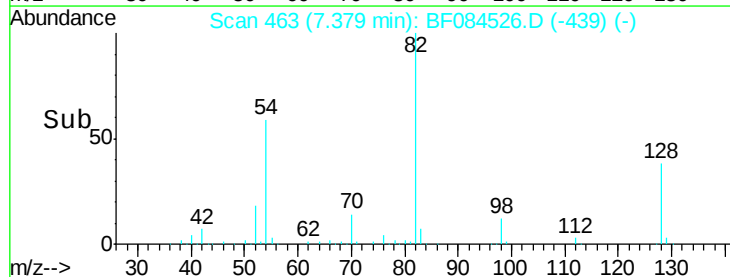
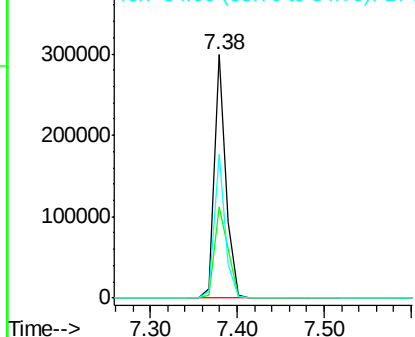


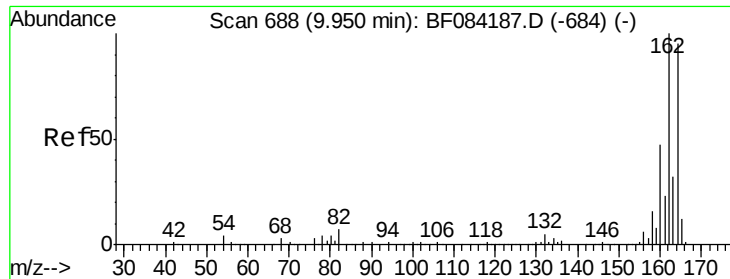
#23
Nitrobenzene-d5
Concen: 15.33 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.02 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion: 82 Resp: 282411
Ion Ratio Lower Upper
82 100
128 37.5 34.6 51.8
54 58.9 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

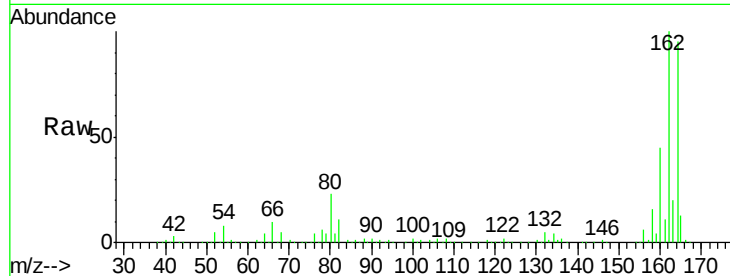




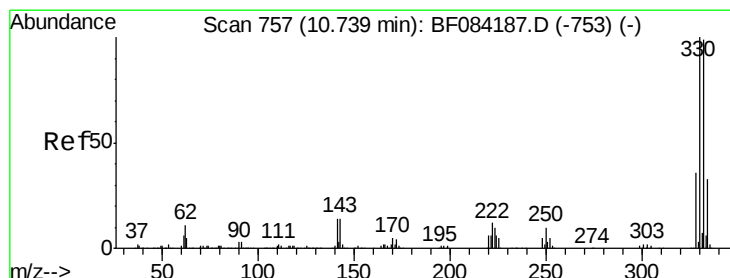
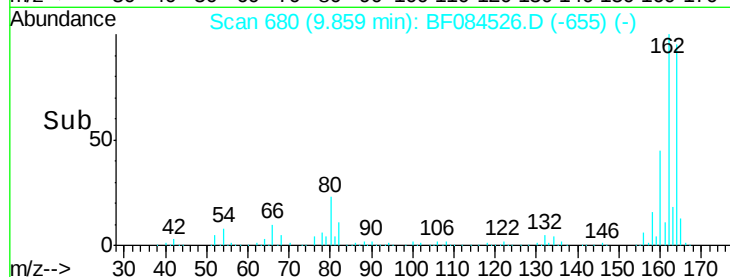
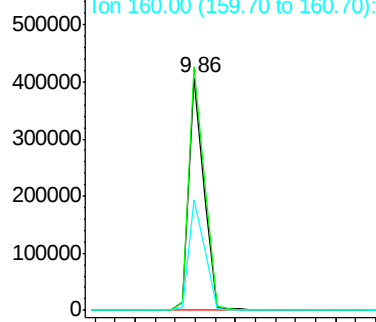
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

Tgt Ion:164 Resp: 426800
 Ion Ratio Lower Upper
 164 100
 162 104.8 85.1 127.7
 160 47.6 37.5 56.3

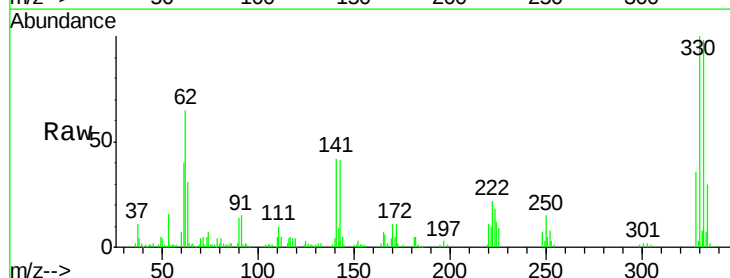


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

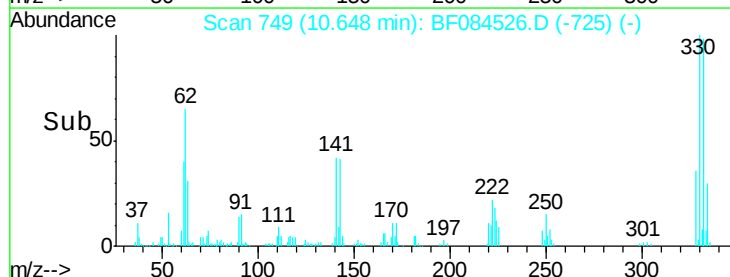
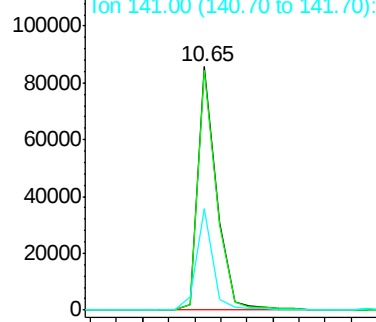


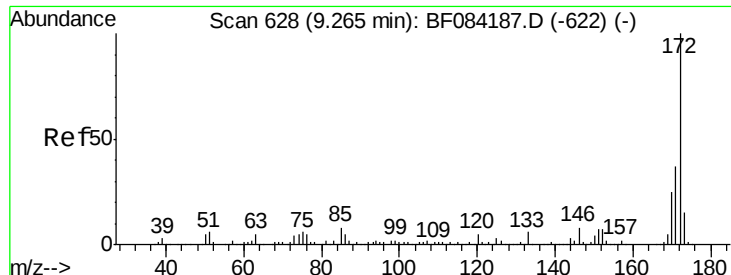
#41
 2,4,6-Tribromophenol
 Concen: 19.83 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.02 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Tgt Ion:330 Resp: 85453
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.6 114.8
 141 37.7 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

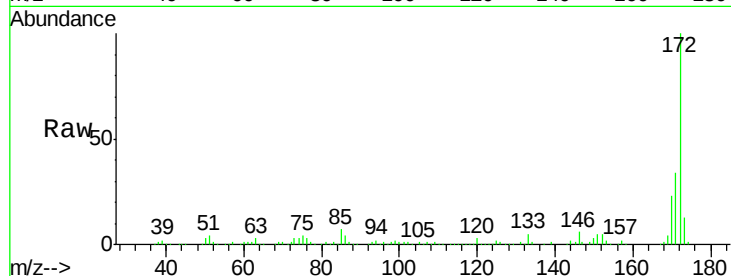




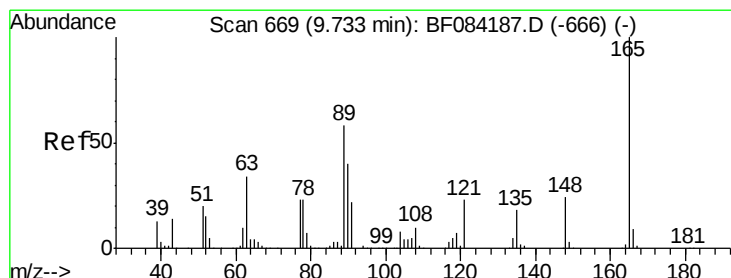
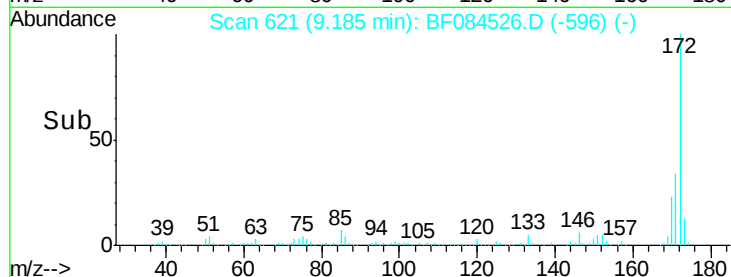
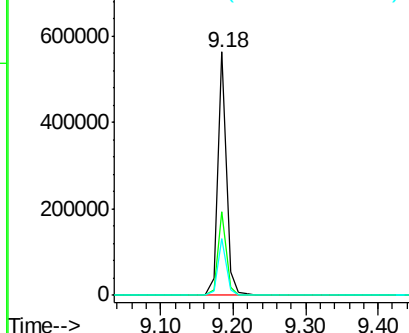
#44
 2-Fluorobiphenyl
 Concen: 13.84 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

Tgt Ion:172 Resp: 464331
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.9 43.3
 170 23.3 18.6 27.8

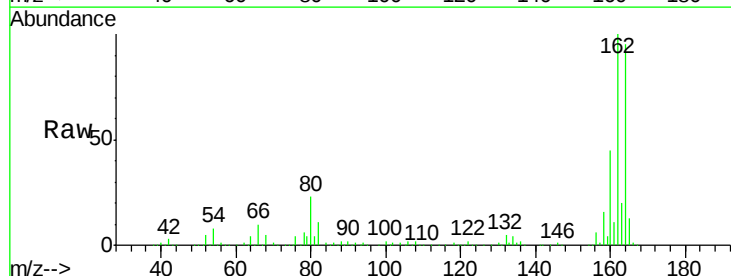


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

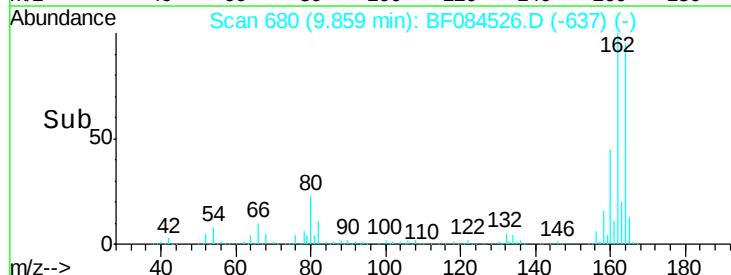
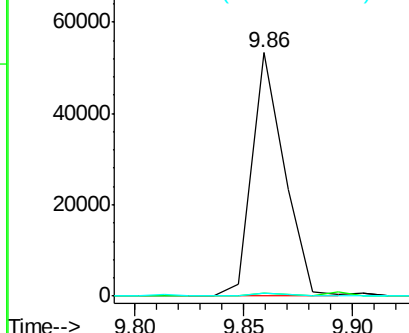


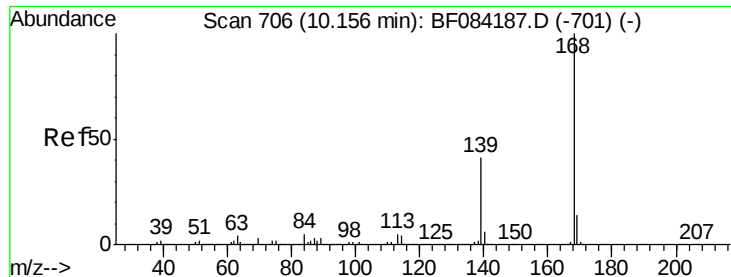
#50
 2,6-Dinitrotoluene
 Concen: 8.25 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.19 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Tgt Ion:165 Resp: 55193
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.8 43.2#
 89 1.3 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

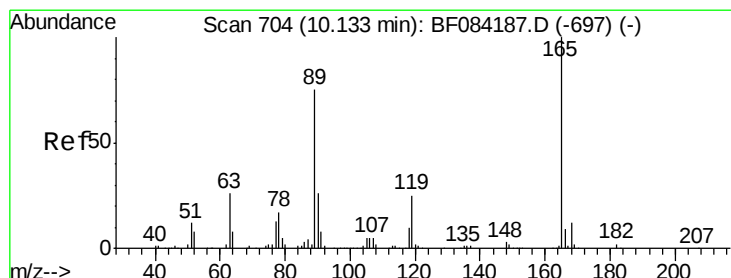
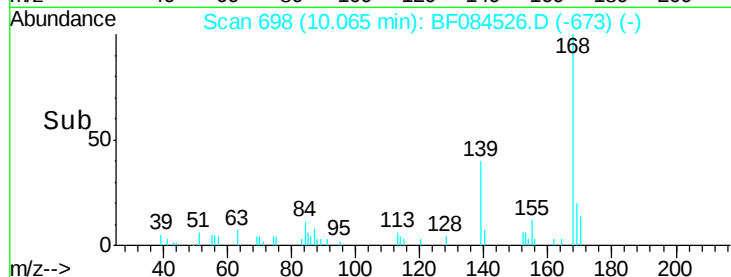
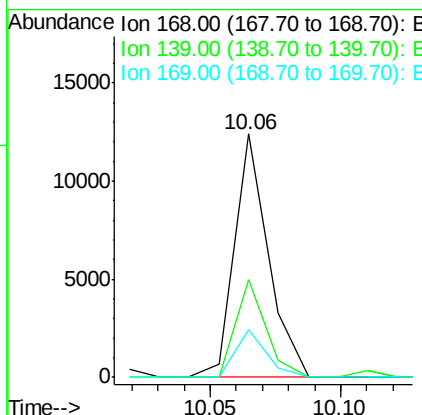
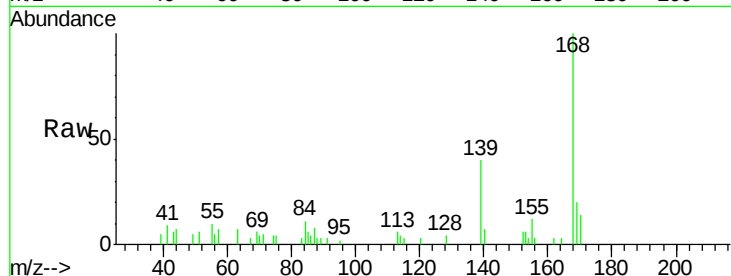




#54
Dibenzofuran
Concen: Below Cal
RT: 10.06 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

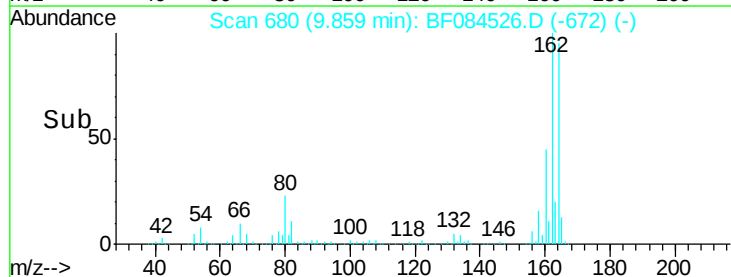
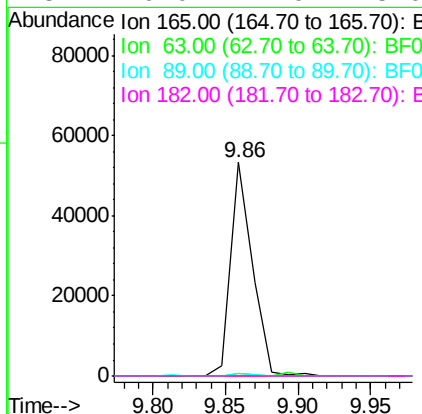
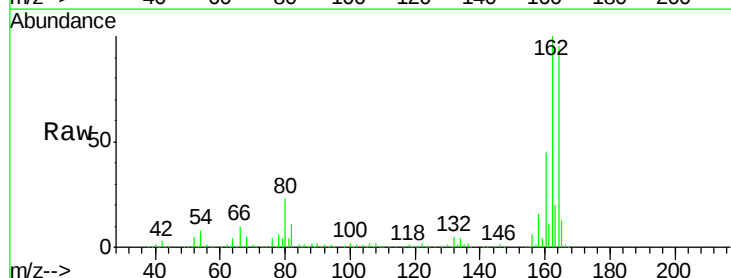
Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

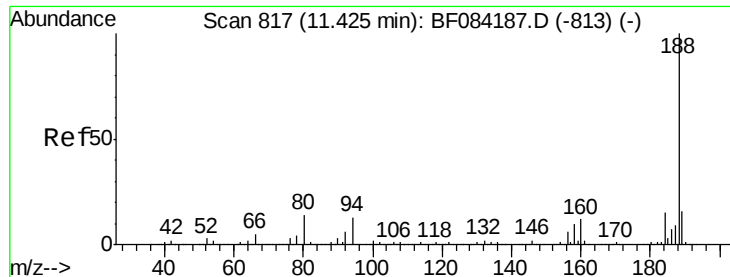
Tgt Ion:168 Resp: 11194
Ion Ratio Lower Upper
168 100
139 40.2 30.5 45.7
169 19.7 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.57 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.21 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion:165 Resp: 55664
Ion Ratio Lower Upper
165 100
63 1.2 36.7 55.1#
89 1.3 61.9 92.9#
182 0.0 2.0 3.0#

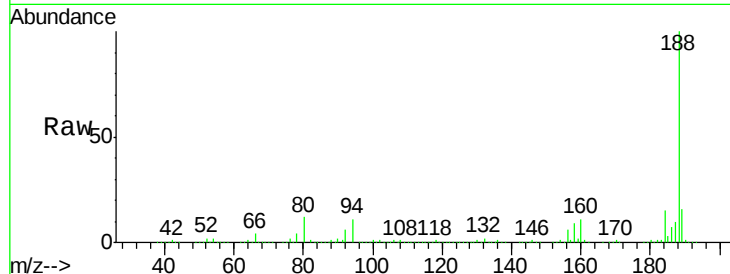




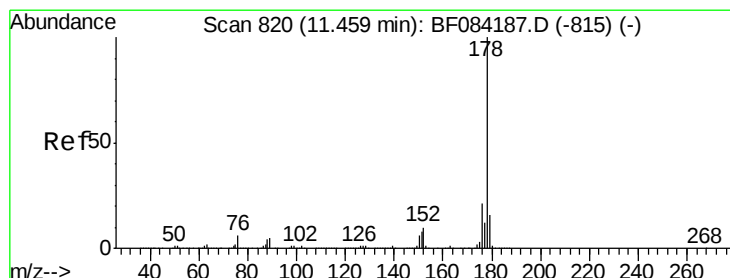
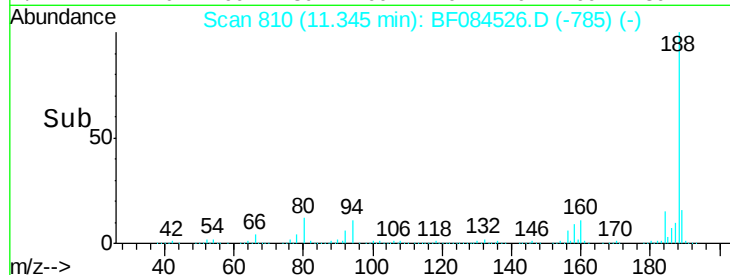
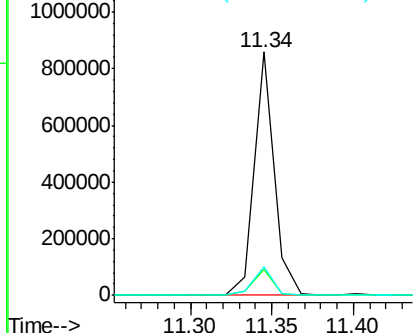
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

Tgt Ion:188 Resp: 731928
Ion Ratio Lower Upper
188 100
94 10.6 9.0 13.4
80 11.6 9.6 14.4

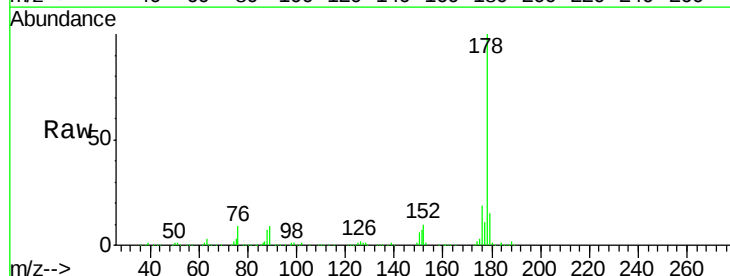


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

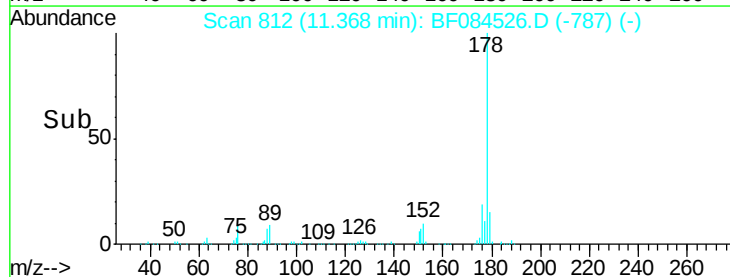
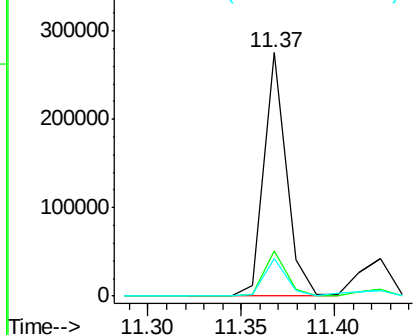


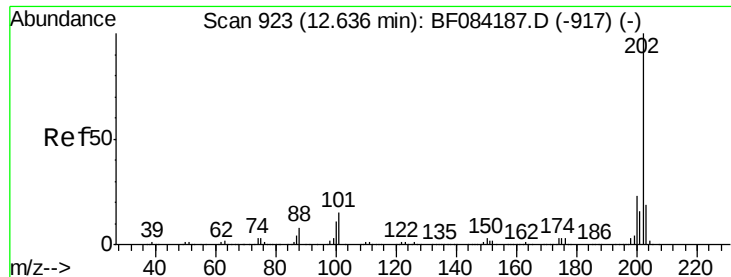
#70
Phenanthrene
Concen: 5.94 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion:178 Resp: 227568
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.3 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: 7.89 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

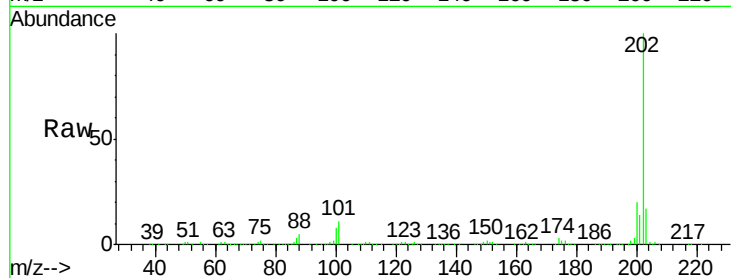
Tgt Ion:202 Resp: 315756

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.8

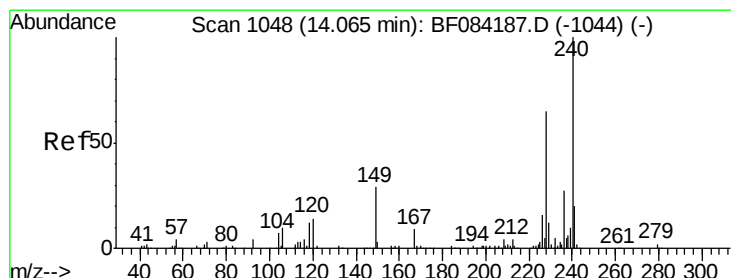
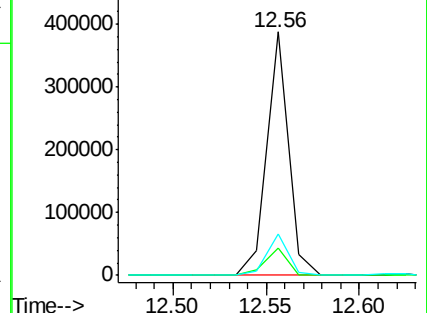
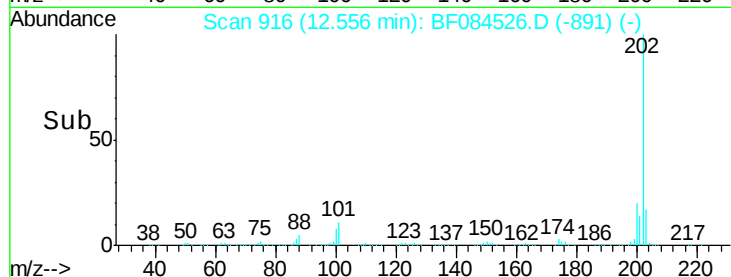
203 17.2 0.0 37.9



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

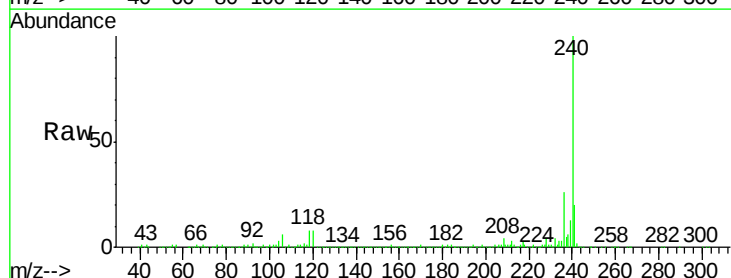
Tgt Ion:240 Resp: 564065

Ion Ratio Lower Upper

240 100

120 8.1 9.5 14.3#

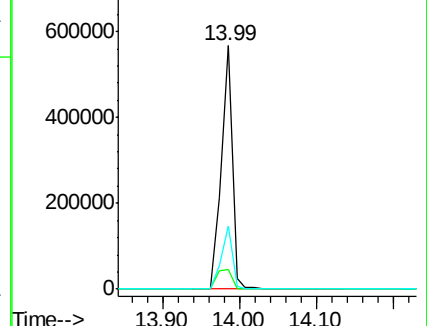
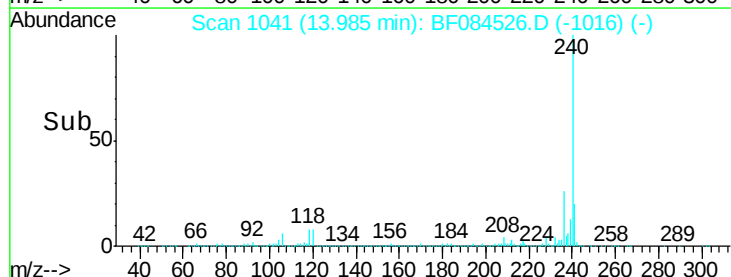
236 26.0 20.6 31.0

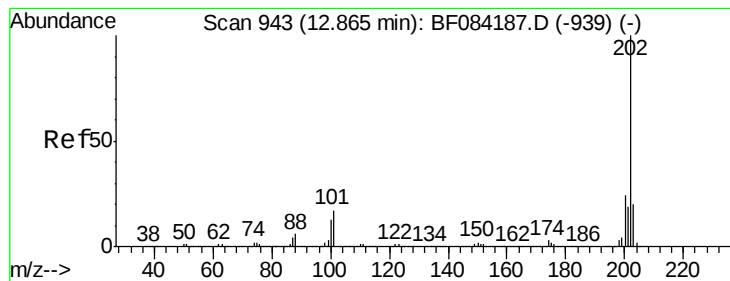


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.46 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

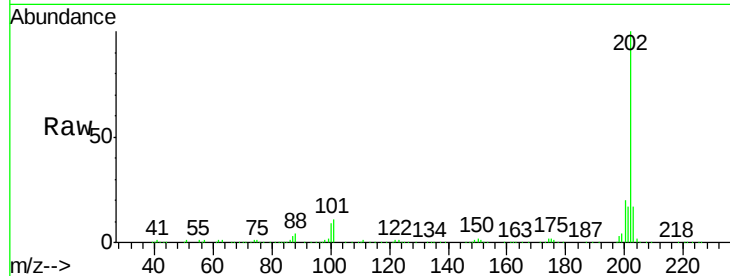
Tgt Ion: 202 Resp: 286161

Ion Ratio Lower Upper

202 100

200 19.8 17.2 25.8

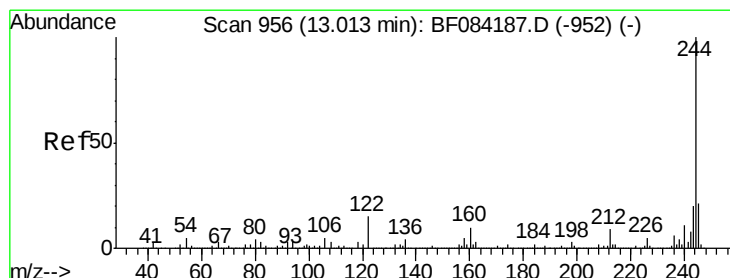
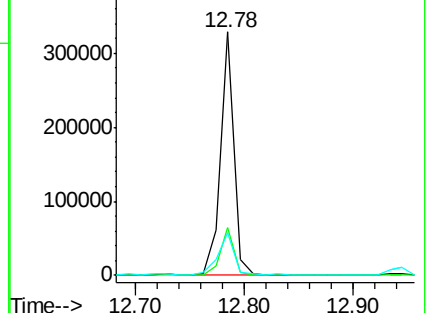
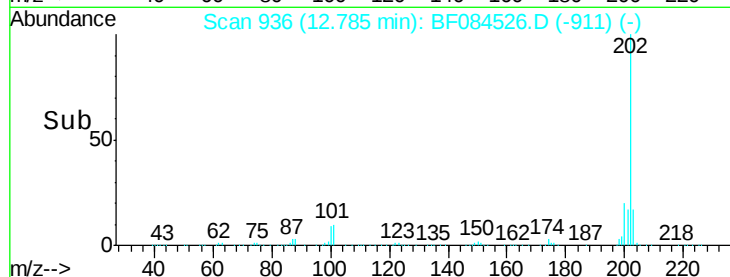
203 17.3 14.3 21.5



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: 12.09 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

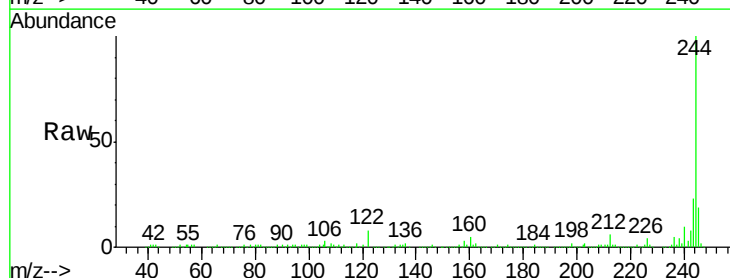
Tgt Ion: 244 Resp: 305516

Ion Ratio Lower Upper

244 100

212 6.1 5.7 8.5

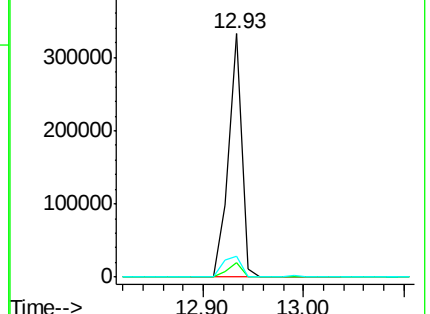
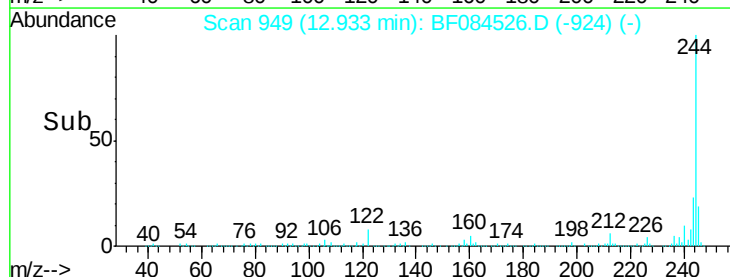
122 8.4 7.4 11.0

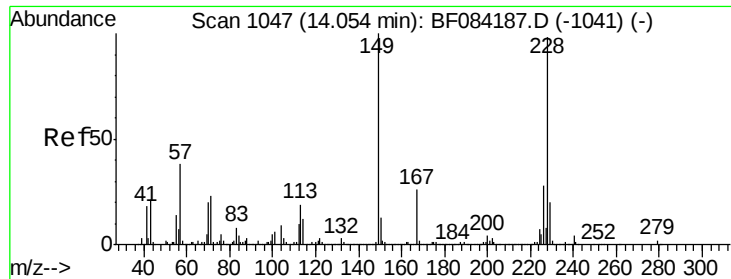


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.85 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

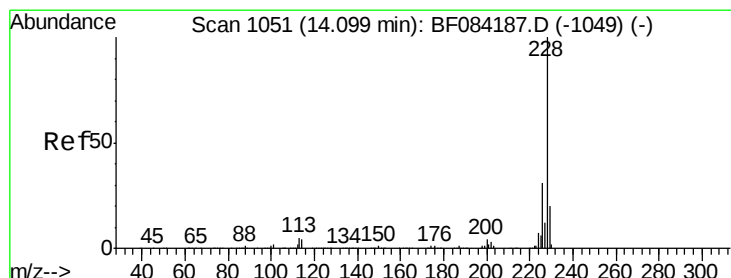
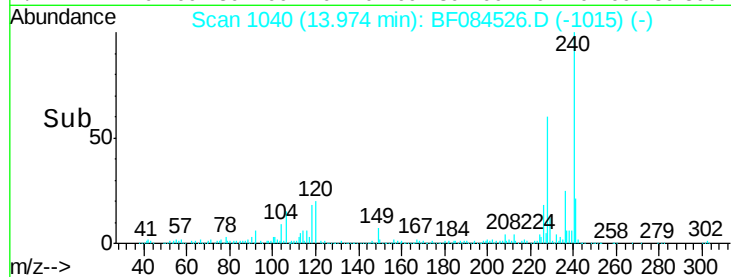
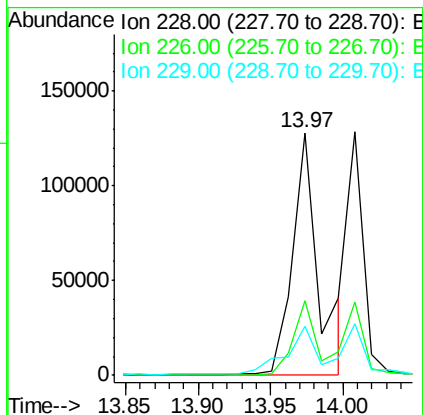
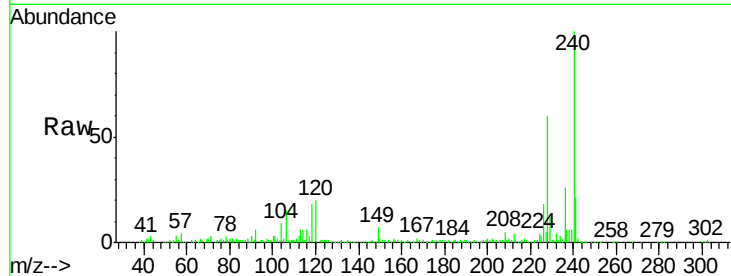
Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

Tgt Ion:	228	Resp:	160672
Ion Ratio	Lower	Upper	
228	100		
226	30.6	21.8	32.6
229	20.3	15.8	23.8



#82

Chrysene

Concen: 5.05 ng

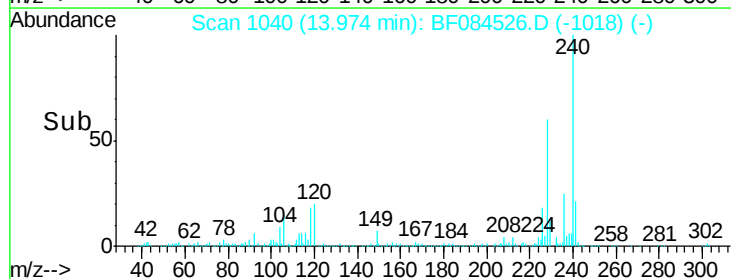
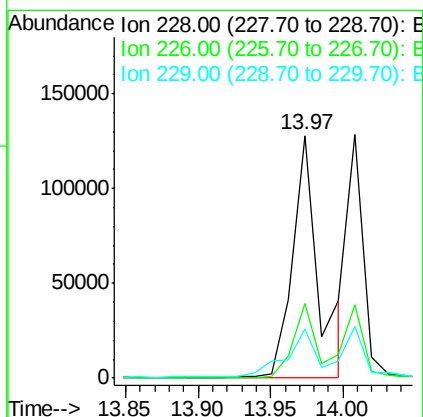
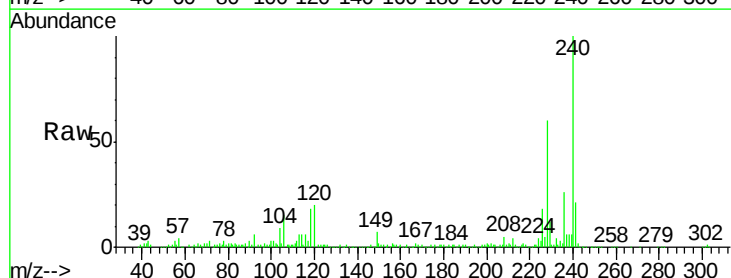
RT: 13.97 min Scan# 1040

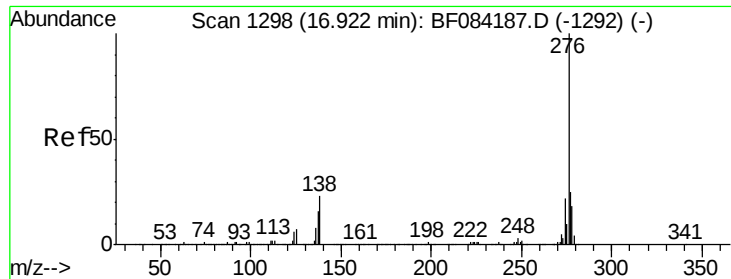
Delta R.T. -0.05 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

Tgt Ion:	228	Resp:	160672
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.3	36.5
229	20.3	16.1	24.1

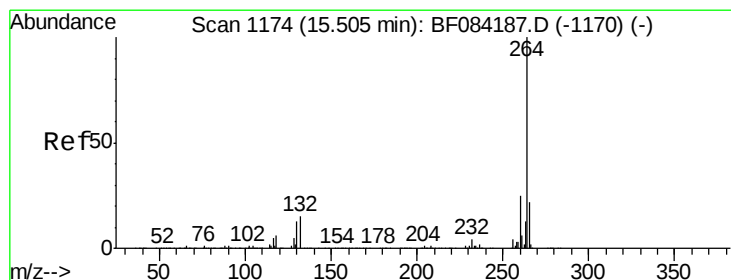
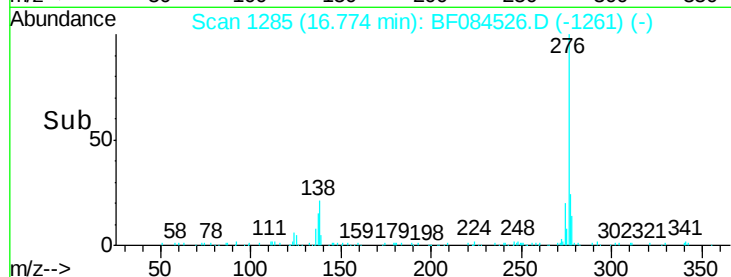
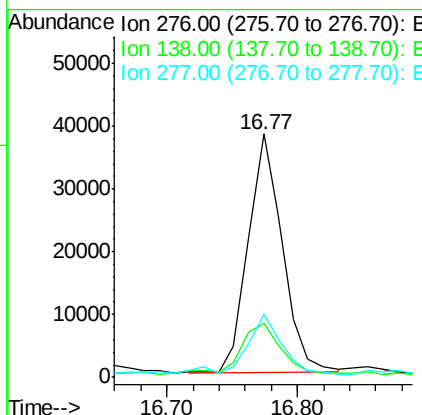
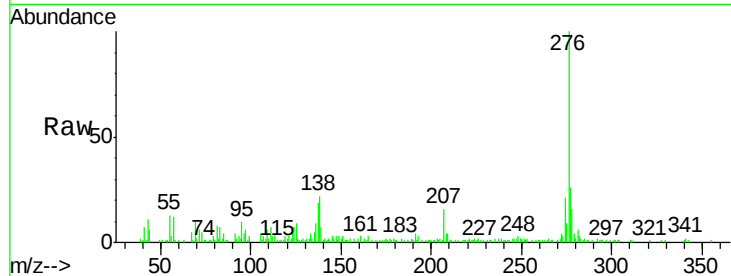




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.76 ng
 RT: 16.77 min Scan# 1285
 Delta R.T. -0.02 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

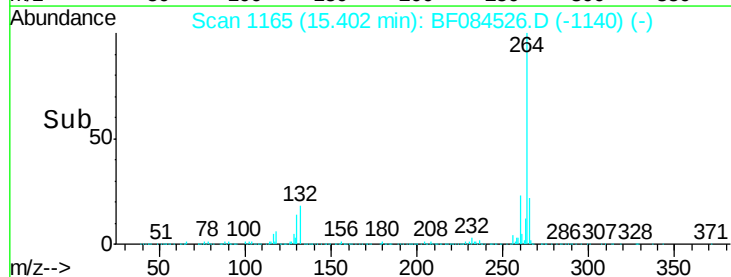
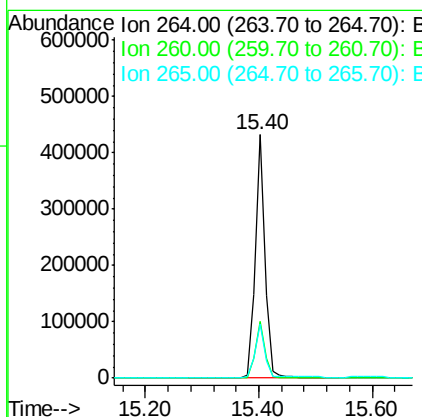
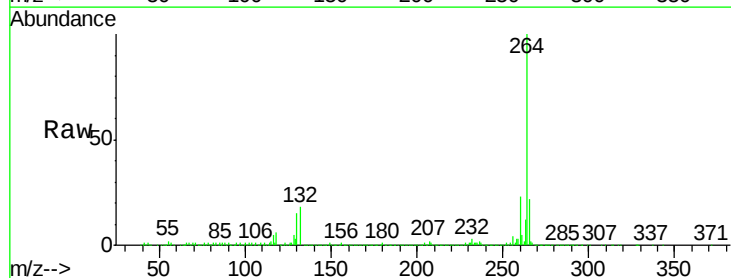
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

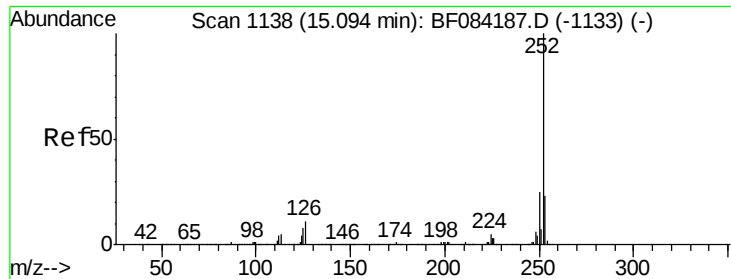
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	20.6	30.8
277	27.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	22.2	17.8	26.6

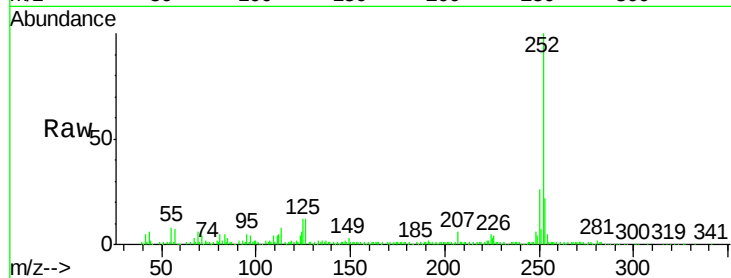




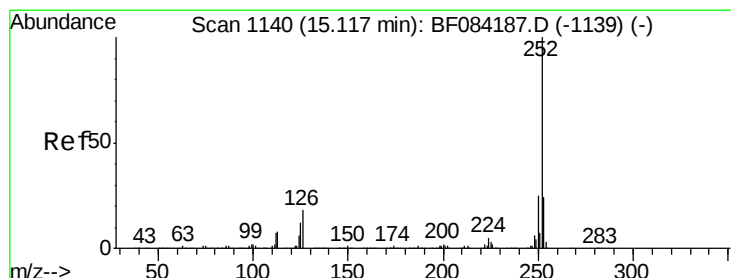
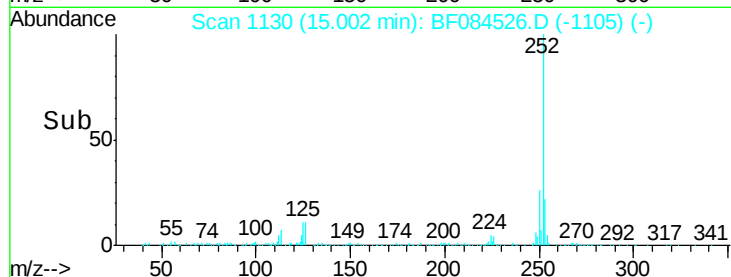
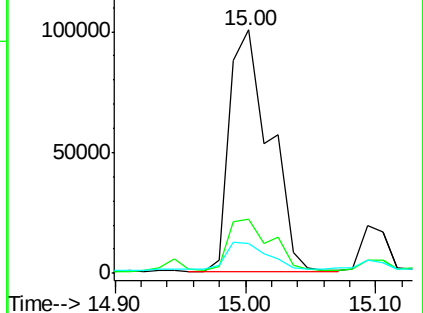
#87
Benzo(b)fluoranthene
Concen: 6.23 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	12.3	6.5	9.7#

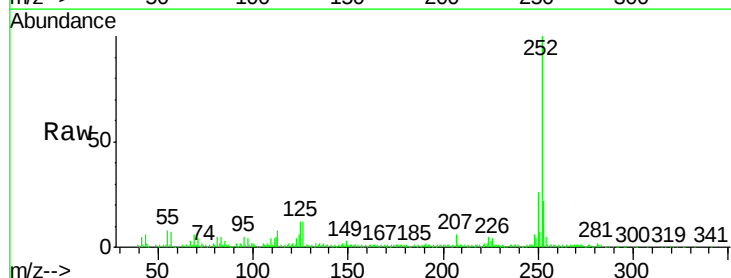


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

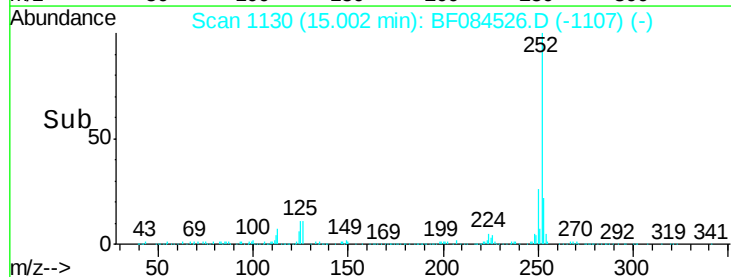
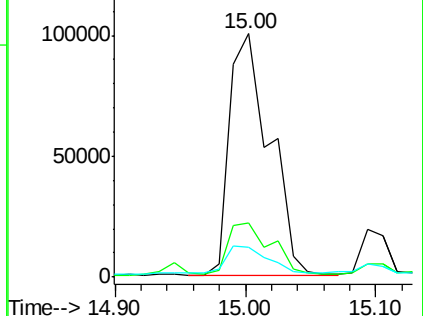


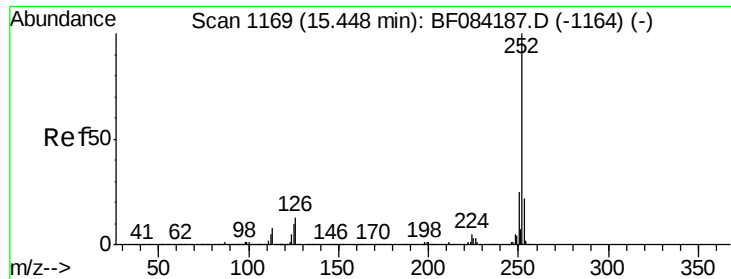
#88
Benzo(k)fluoranthene
Concen: 7.62 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	12.3	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: 4.05 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

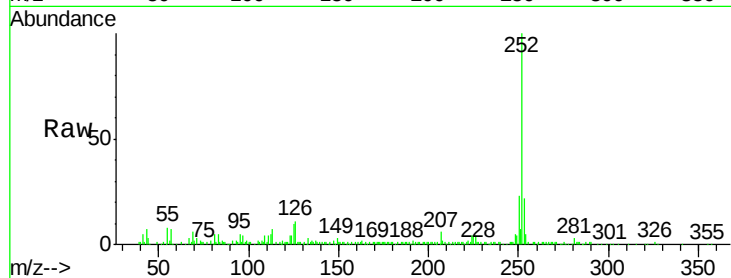
Tgt Ion:252 Resp: 118503

Ion Ratio Lower Upper

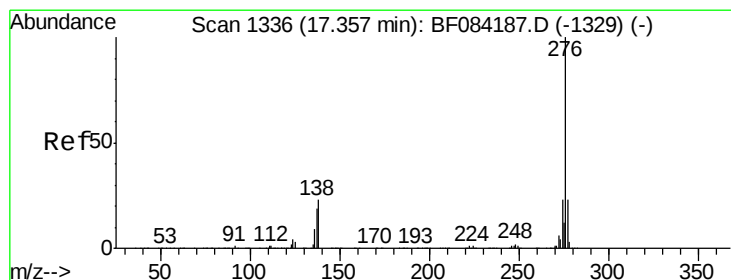
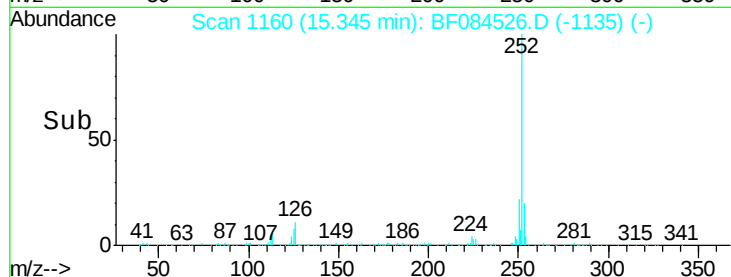
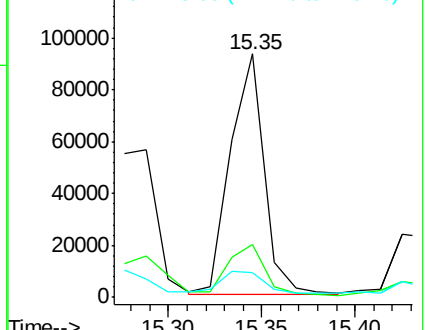
252 100

253 21.6 17.3 25.9

125 10.3 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: 2.99 ng

RT: 17.19 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

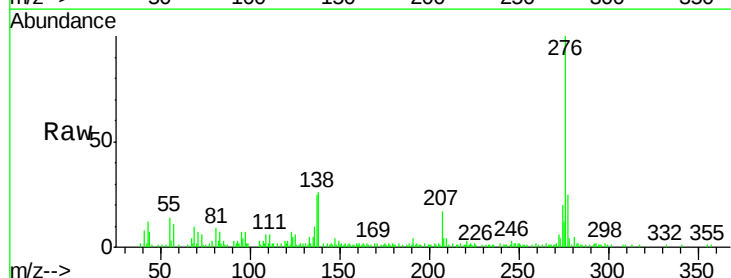
Tgt Ion:276 Resp: 78030

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 26.2 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

