

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011716\
 Data File : BF084533.D
 Acq On : 17 Jan 2016 13:53
 Operator : SJ/UM
 Sample : H1143-01RE 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

Quant Time: Jan 18 01:24:00 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	6.81	152	336986	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1275021	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	632203	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	1065858	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	719602	20.00	ng	-0.03
86) Perylene-d12	15.38	264	613442	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	564690	27.10	ng	-0.03
7) Phenol-d6	6.44	99	710445	27.15	ng	-0.03
23) Nitrobenzene-d5	7.37	82	447251	19.52	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	142041	22.25	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	718706	14.77	ng	-0.02
78) Terphenyl-d14	12.91	244	577401	17.91	ng	-0.03

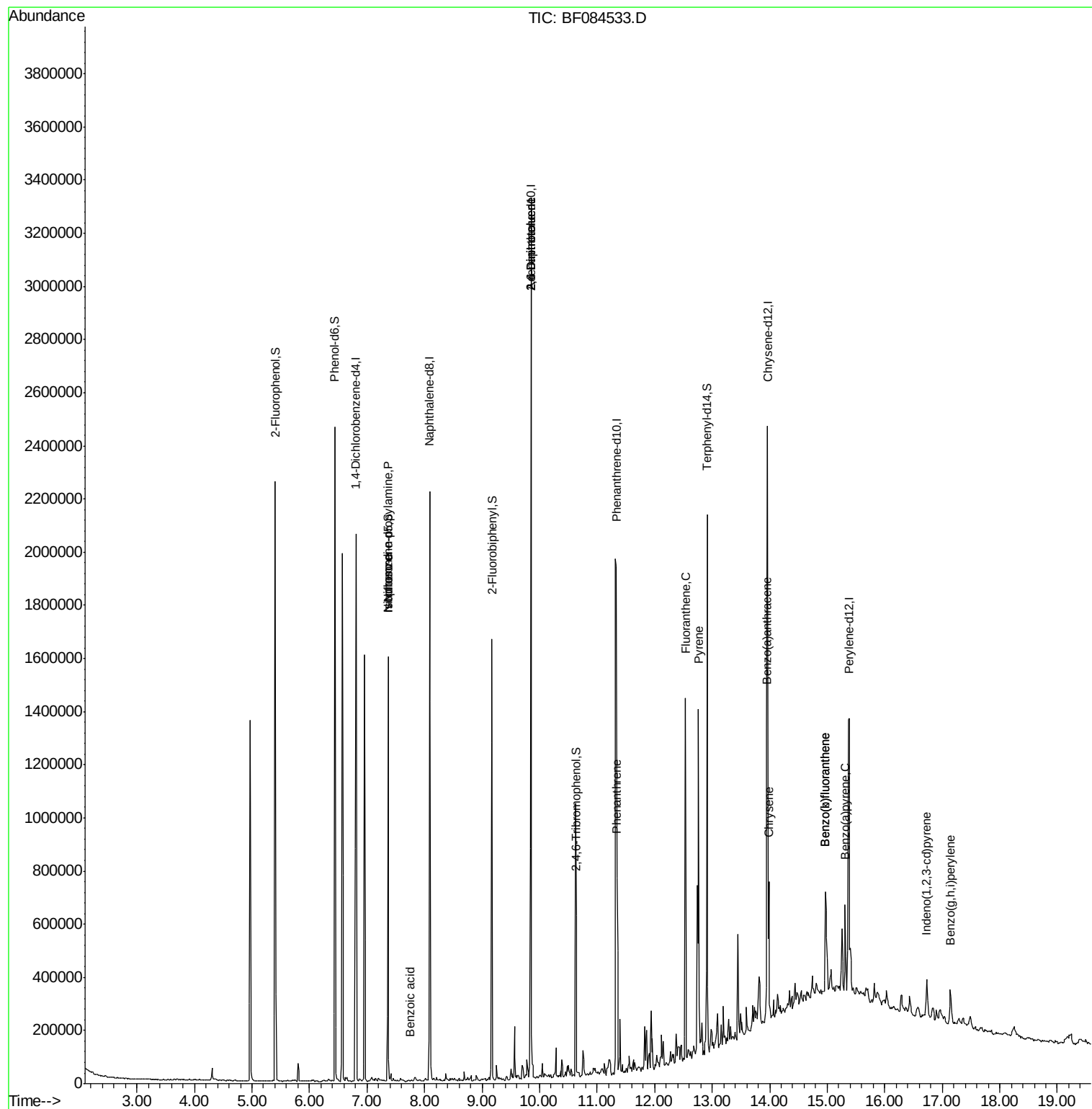
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	61813	3.49	ng	# 71
25) Isophorone	7.37	82	391671	8.94	ng	# 66
32) Benzoic acid	7.76	122	225	6.26	ng	# 10
50) 2,6-Dinitrotoluene	9.85	165	83821	8.46	ng	# 37
54) Dibenzofuran	10.05	168	13870	Below Cal		# 86
56) 2,4-Dinitrotoluene	9.85	165	83824	6.68	ng	# 21
57) Fluorene	10.38	166	20042	Below Cal		# 95
70) Phenanthrene	11.34	178	350882	6.29	ng	# 98
73) Di-n-butylphthalate	11.89	149	11993	Below Cal		# 90
74) Fluoranthene	12.53	202	537904	9.24	ng	100
77) Pyrene	12.76	202	499948	8.85	ng	98
80) Benzo(a)anthracene	13.95	228	240693	5.70	ng	98
82) Chrysene	13.99	228	166079	4.09	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	99067	3.08	ng	95
87) Benzo(b)fluoranthene	14.97	252	292605	7.29	ng	# 94
88) Benzo(k)fluoranthene	14.97	252	292605	8.92	ng	# 98
89) Benzo(a)pyrene	15.31	252	155784	4.58	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	106223	3.50	ng	97

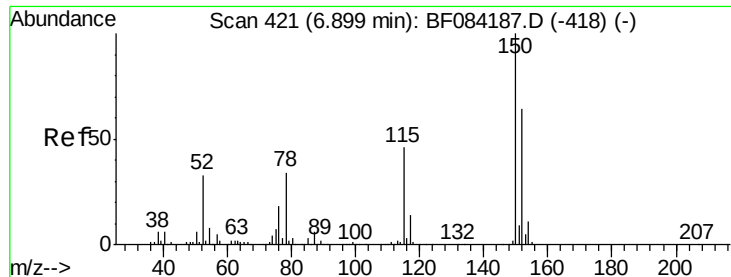
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011716\
Data File : BF084533.D
Acq On : 17 Jan 2016 13:53
Operator : SJ/UM
Sample : H1143-01RE 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

Quant Time: Jan 18 01:24:00 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: 6.81 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

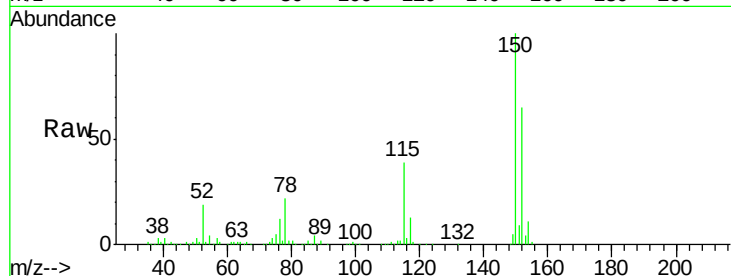
Tgt Ion:152 Resp: 336986

Ion Ratio Lower Upper

152 100

150 153.4 123.0 184.4

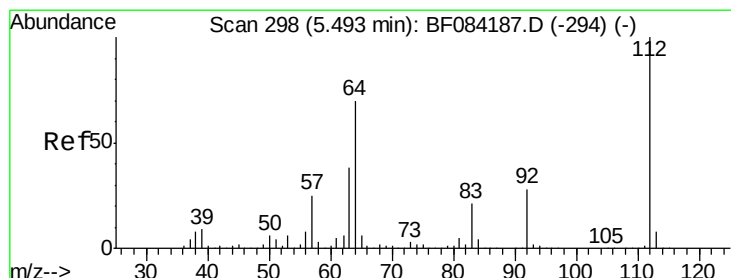
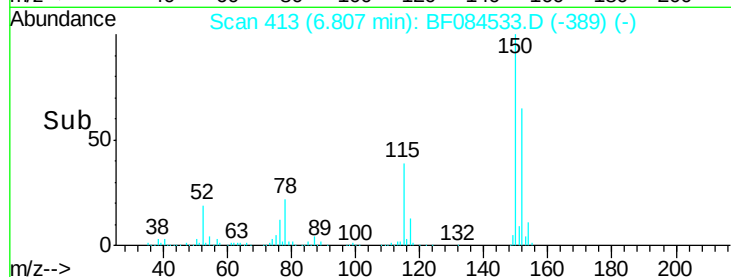
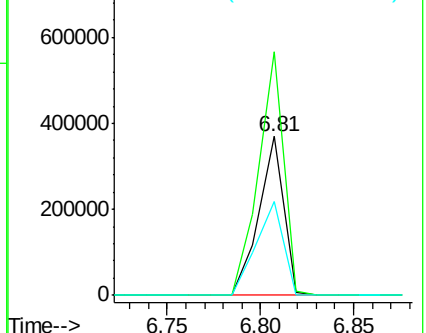
115 59.3 51.4 77.2



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: 27.10 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

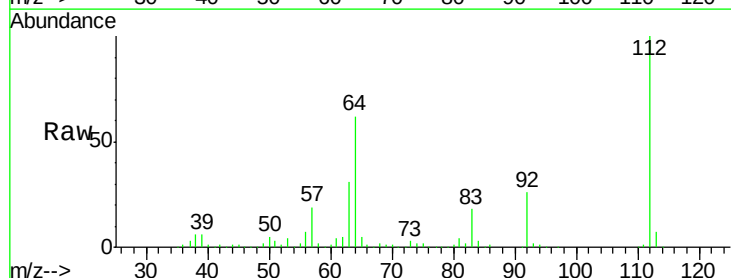
Tgt Ion:112 Resp: 564690

Ion Ratio Lower Upper

112 100

64 61.9 36.6 55.0#

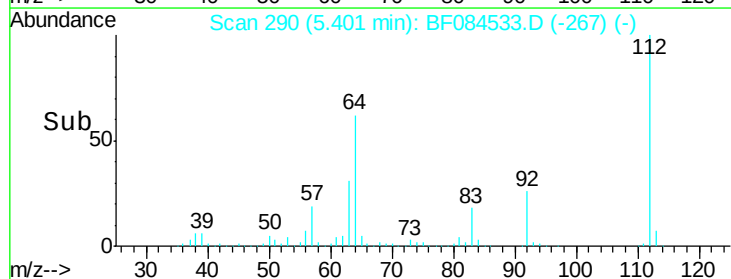
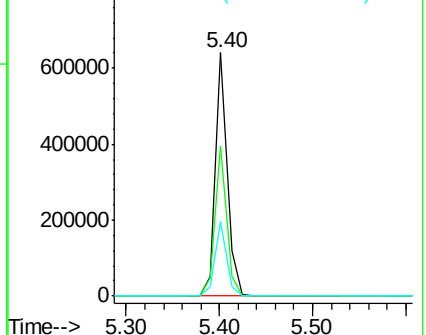
63 30.8 19.4 29.0#

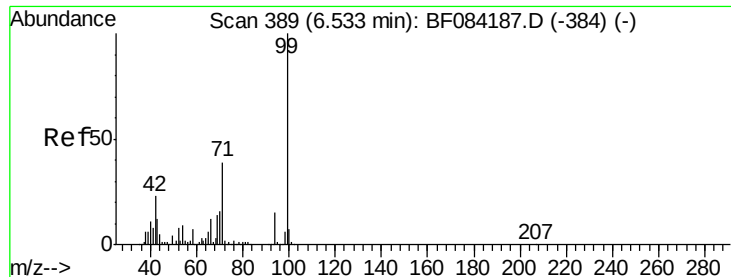


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.15 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

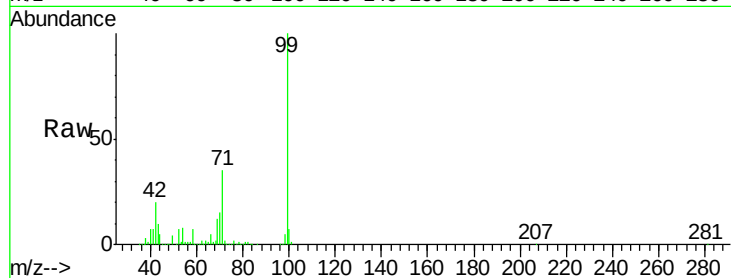
Tgt Ion: 99 Resp: 710445

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

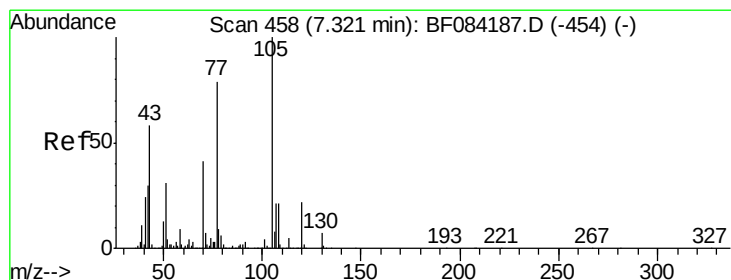
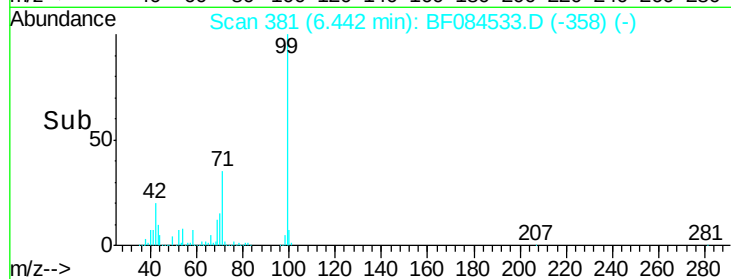
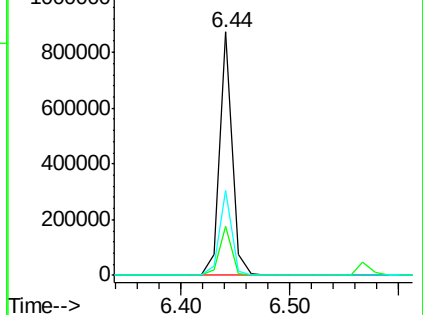
71 35.0 30.9 46.3



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: 3.49 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.11 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Tgt Ion: 70 Resp: 61813

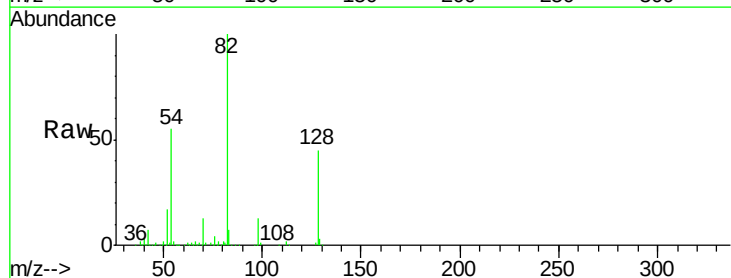
Ion Ratio Lower Upper

70 100

42 50.3 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

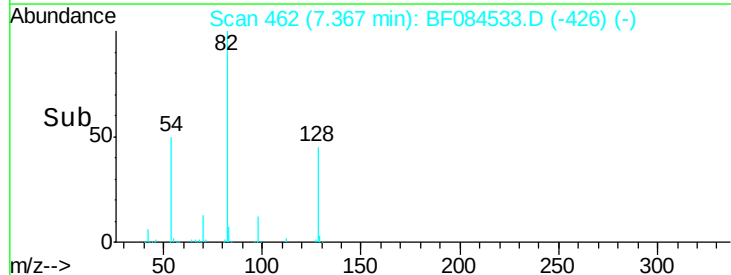
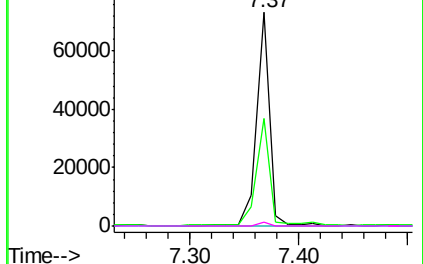


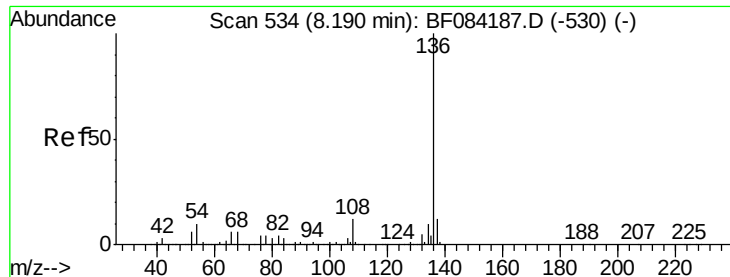
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

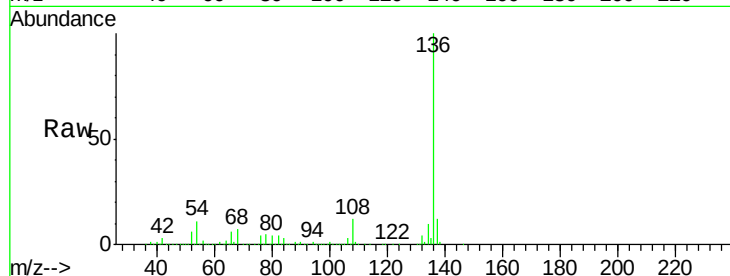




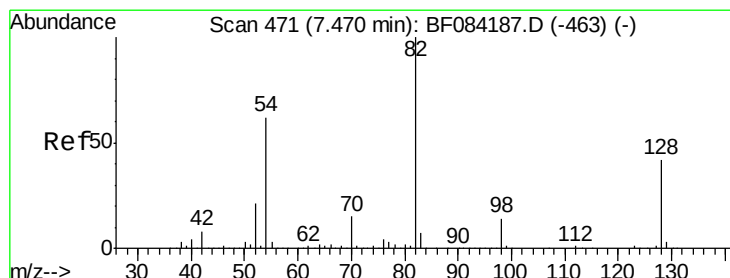
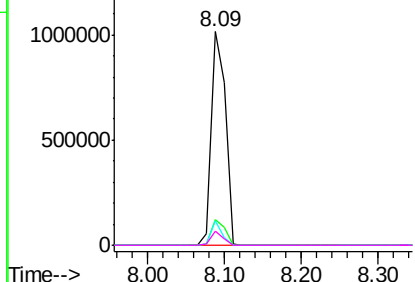
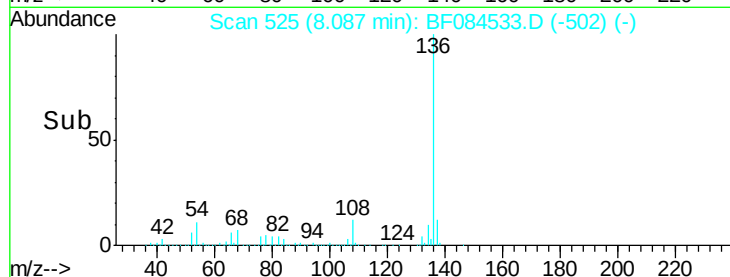
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.03 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

Tgt Ion:136 Resp: 1275021
Ion Ratio Lower Upper
136 100
137 12.0 8.7 13.1
54 11.3 5.8 8.8#
68 6.8 4.2 6.2#

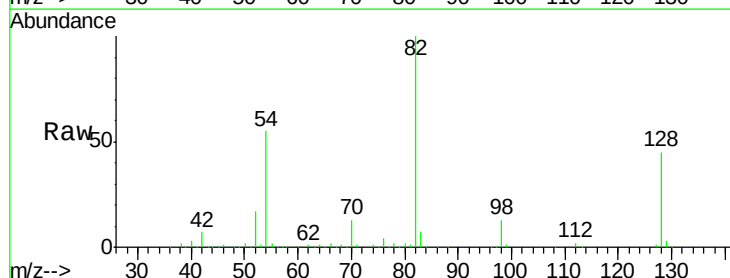


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

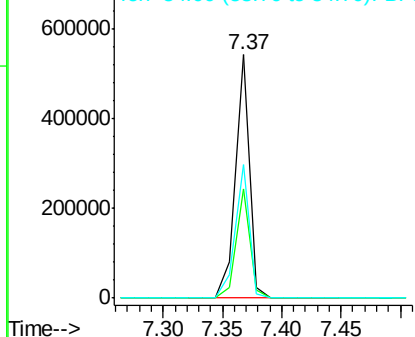
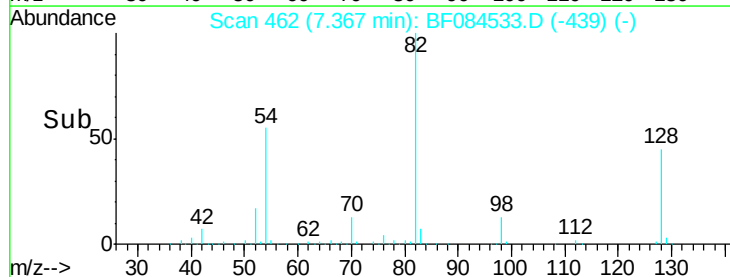


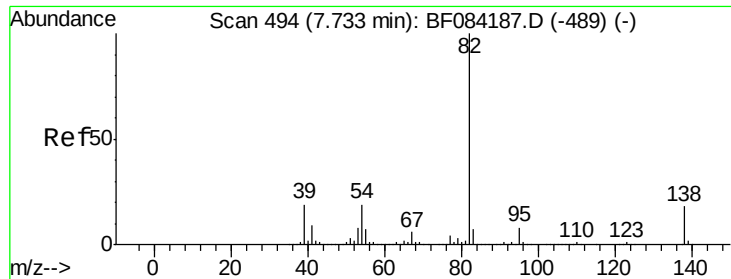
#23
Nitrobenzene-d5
Concen: 19.52 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.03 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Tgt Ion: 82 Resp: 447251
Ion Ratio Lower Upper
82 100
128 44.7 34.6 51.8
54 54.7 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





#25

Isophorone

Concen: 8.94 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.30 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

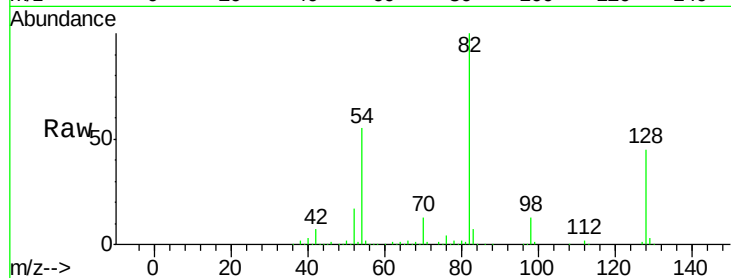
Tgt Ion: 82 Resp: 391671

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

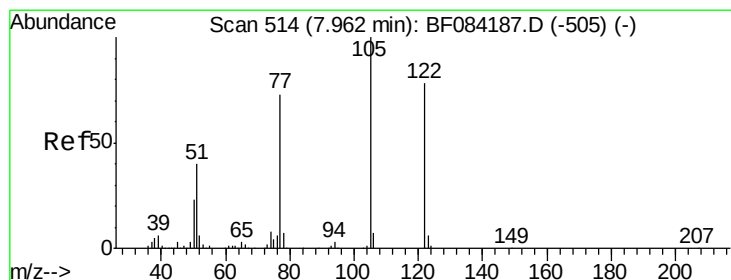
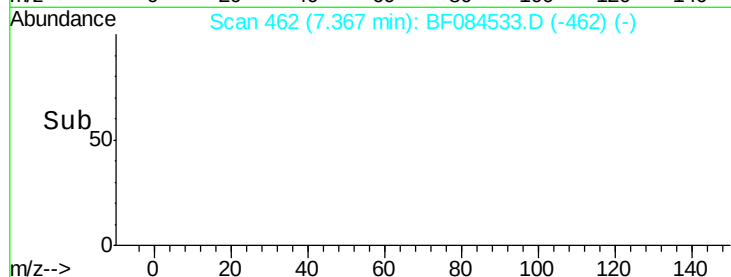
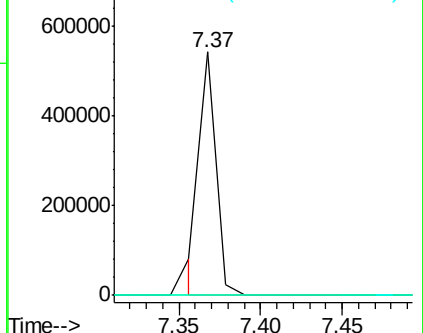
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 6.26 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.14 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

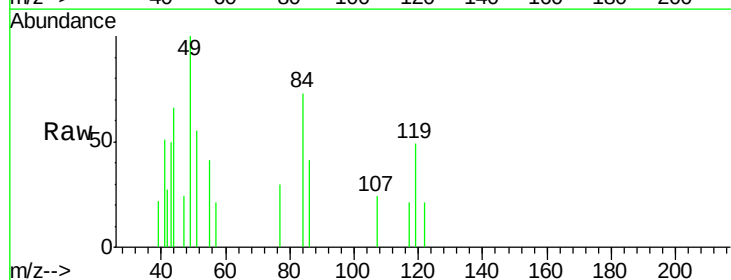
Tgt Ion: 122 Resp: 225

Ion Ratio Lower Upper

122 100

105 0.0 100.3 140.3#

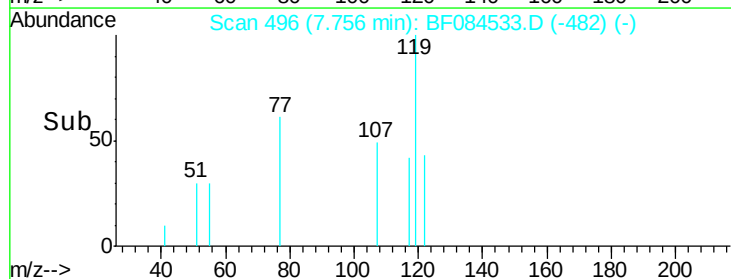
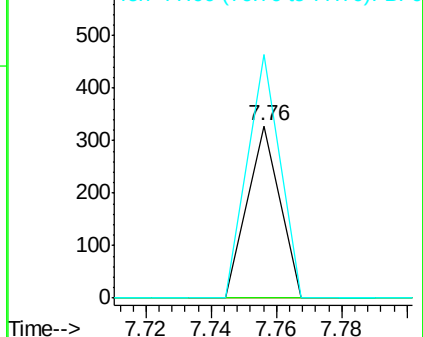
77 141.5 63.5 103.5#

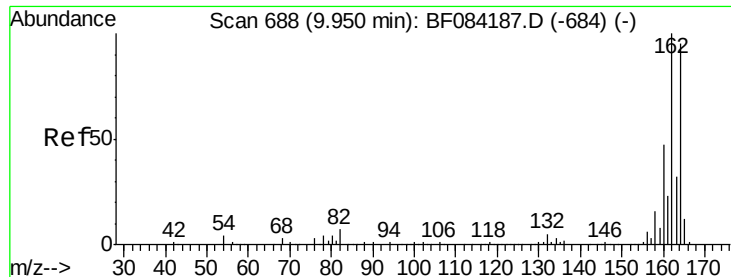


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

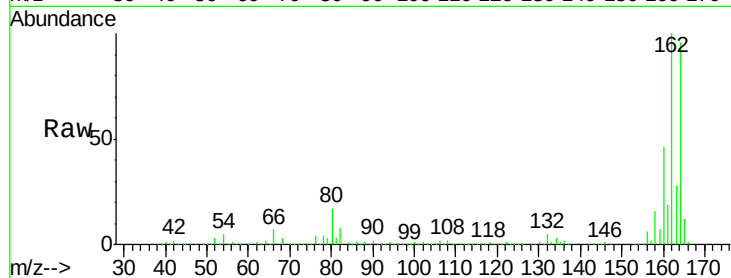
Tgt Ion:164 Resp: 632203

Ion Ratio Lower Upper

164 100

162 104.6 85.1 127.7

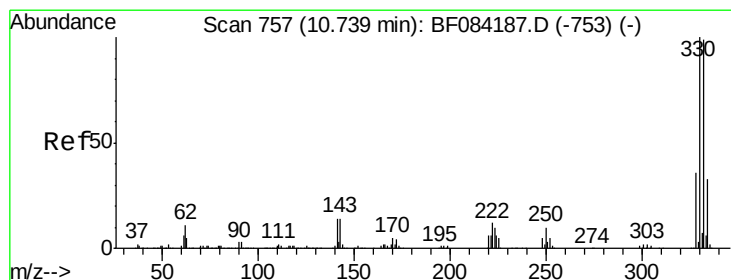
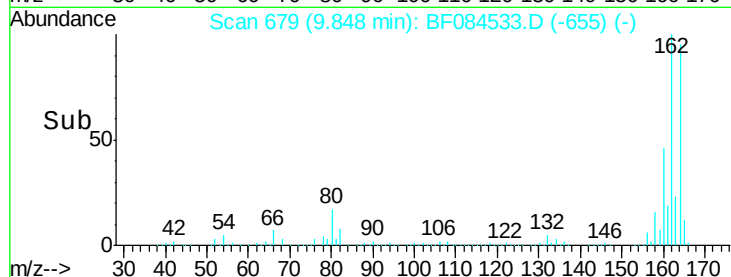
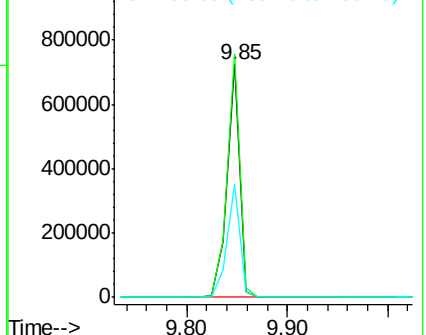
160 48.5 37.5 56.3



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: 22.25 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

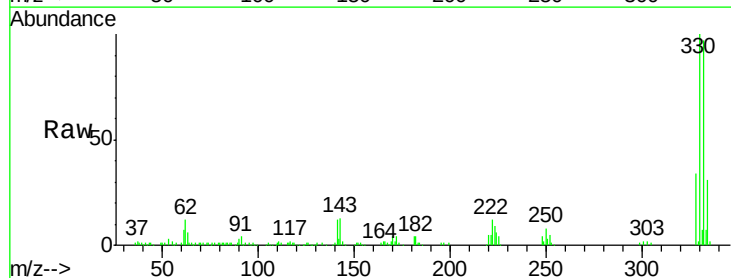
Tgt Ion:330 Resp: 142041

Ion Ratio Lower Upper

330 100

332 94.9 76.6 114.8

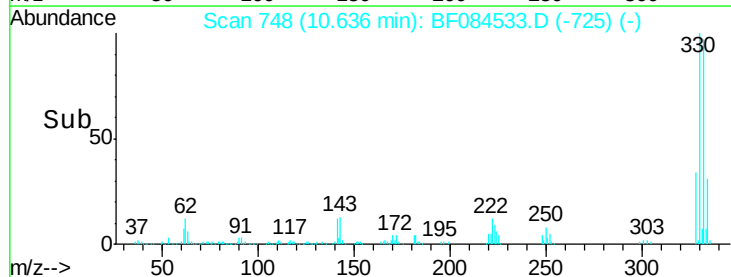
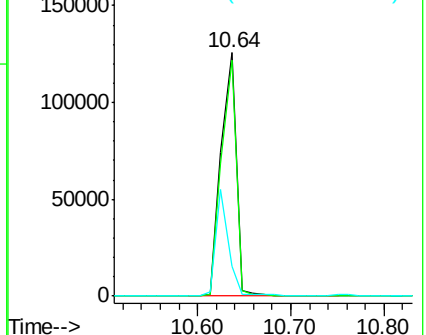
141 36.6 27.8 41.6

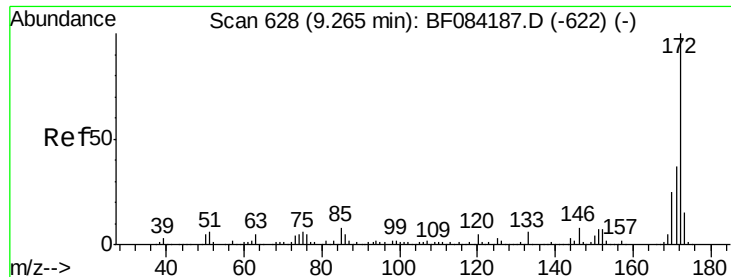


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

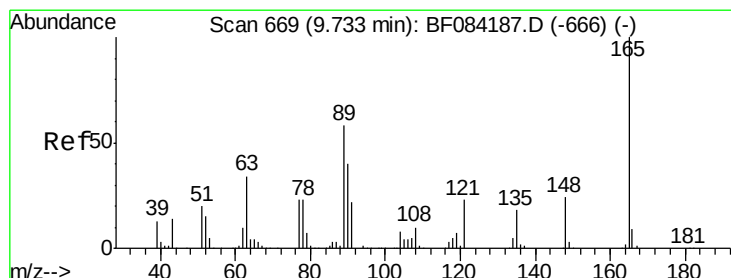
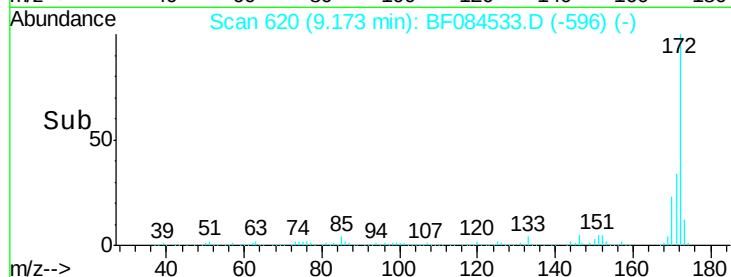
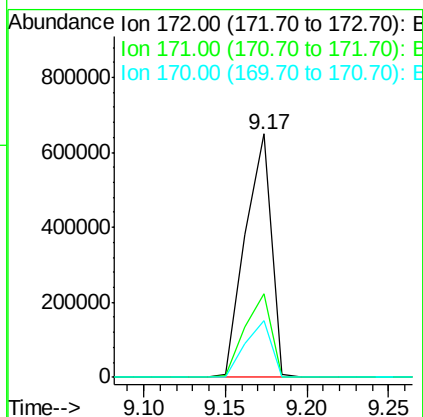
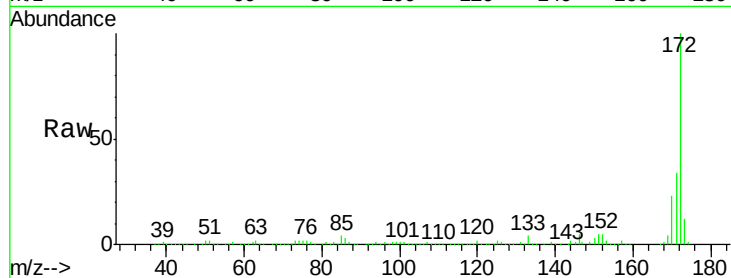




#44
 2-Fluorobiphenyl
 Concen: 14.77 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

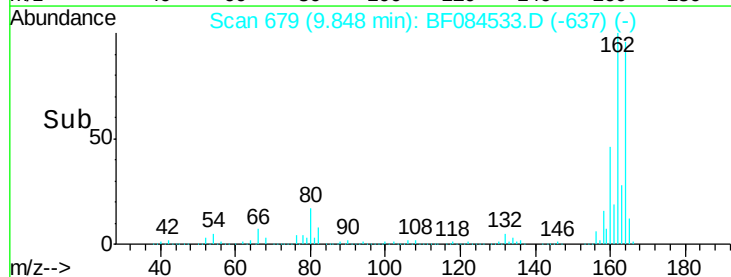
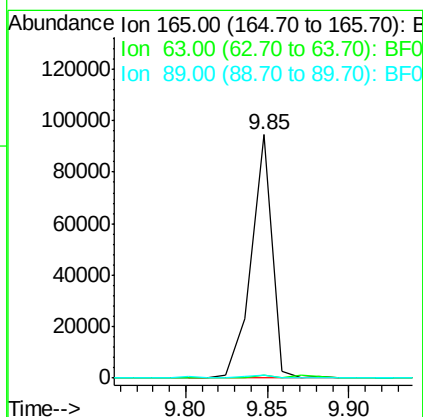
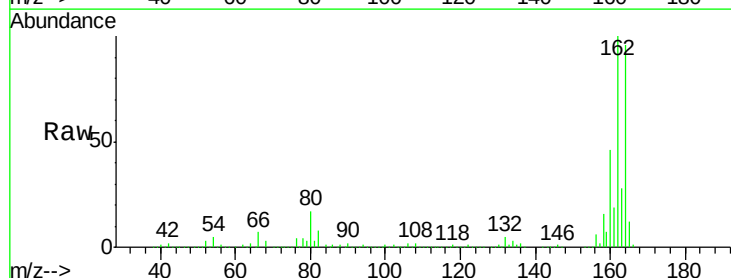
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

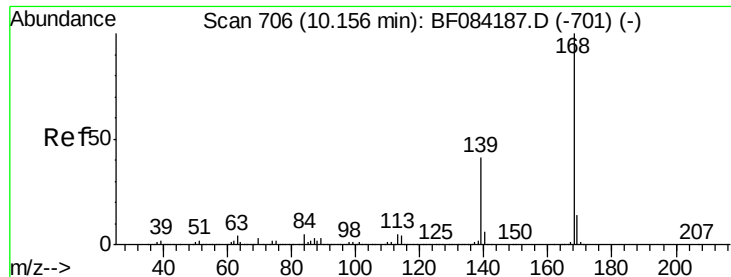
Tgt Ion:172 Resp: 718706
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.9 43.3
 170 23.3 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 8.46 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.18 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

Tgt Ion:165 Resp: 83821
 Ion Ratio Lower Upper
 165 100
 63 1.4 28.8 43.2#
 89 1.4 35.1 52.7#

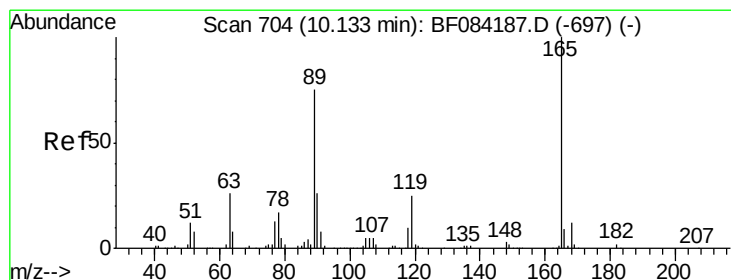
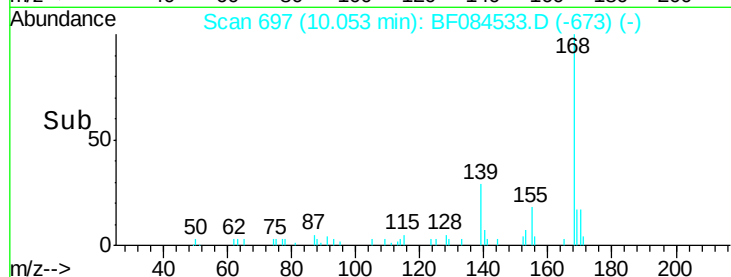
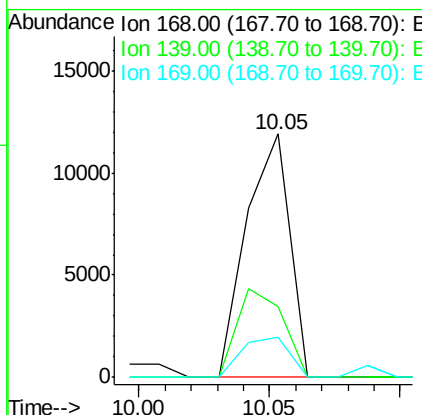
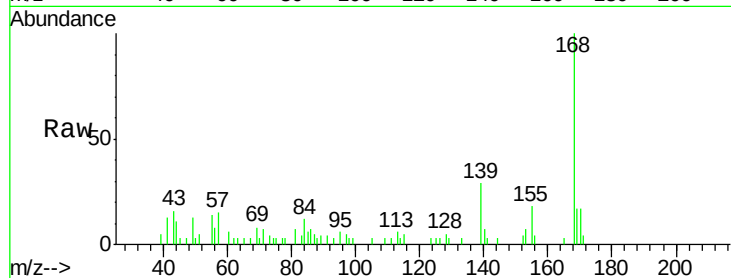




#54
Dibenzofuran
Concen: Below Cal
RT: 10.05 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

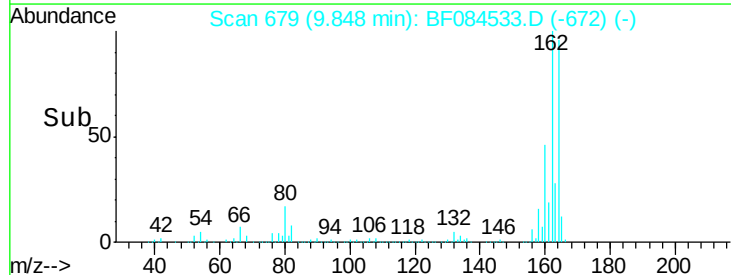
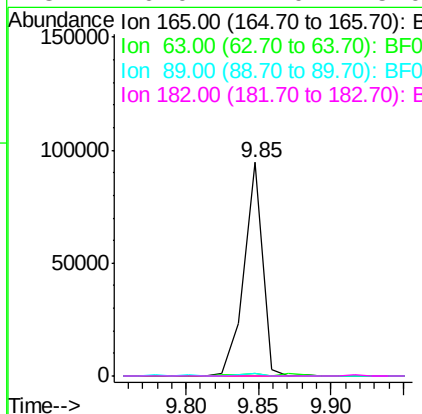
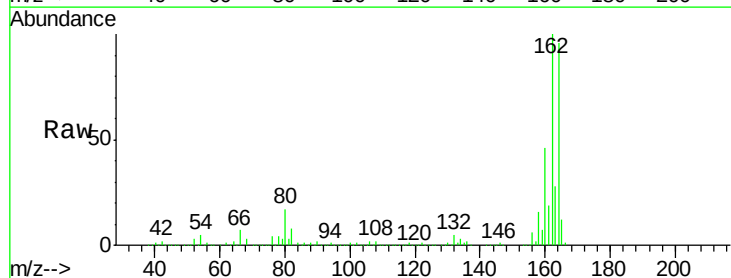
Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

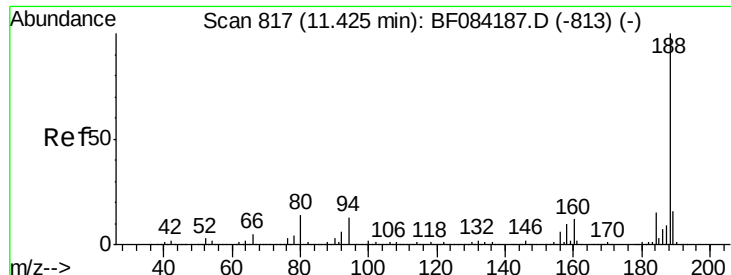
Tgt Ion:168 Resp: 13870
Ion Ratio Lower Upper
168 100
139 28.9 30.5 45.7#
169 16.6 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.68 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.22 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Tgt Ion:165 Resp: 83824
Ion Ratio Lower Upper
165 100
63 1.4 36.7 55.1#
89 1.4 61.9 92.9#
182 0.0 2.0 3.0#

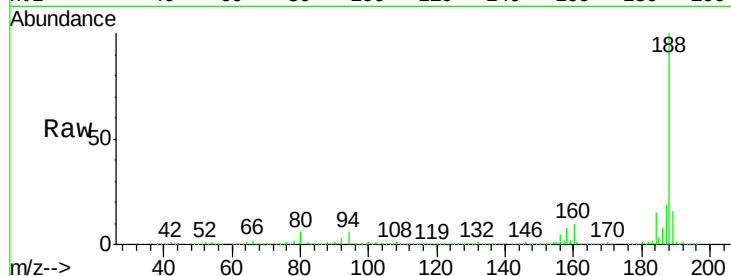




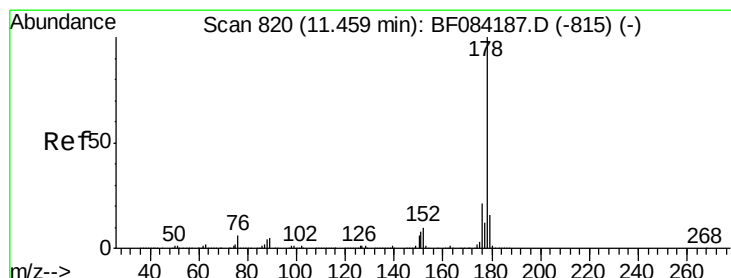
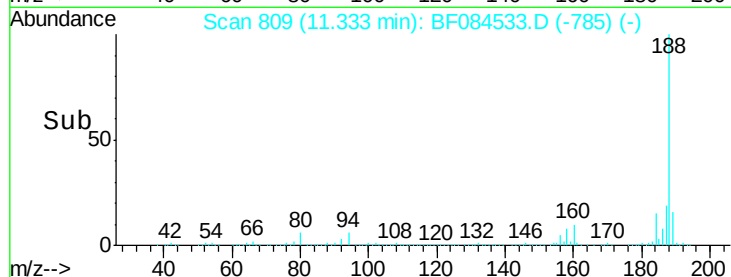
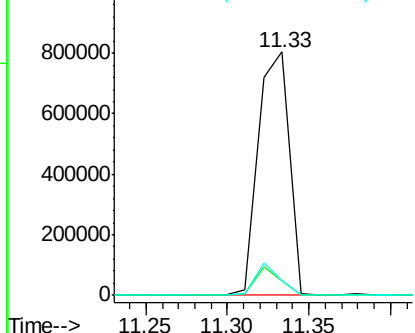
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

Tgt Ion:188 Resp: 1065858
Ion Ratio Lower Upper
188 100
94 6.0 9.0 13.4#
80 5.8 9.6 14.4#

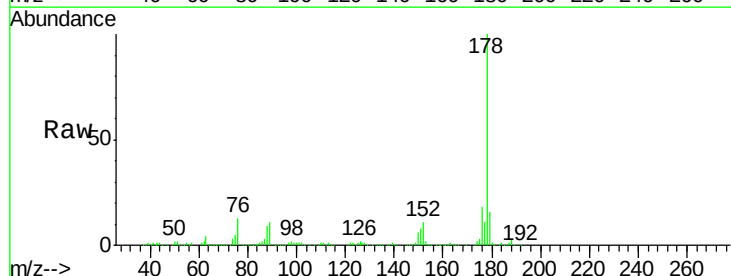


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

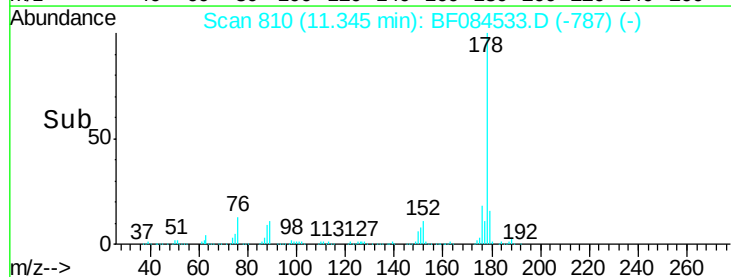
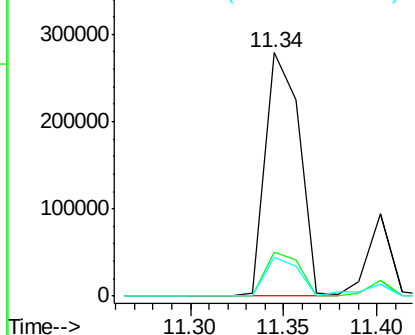


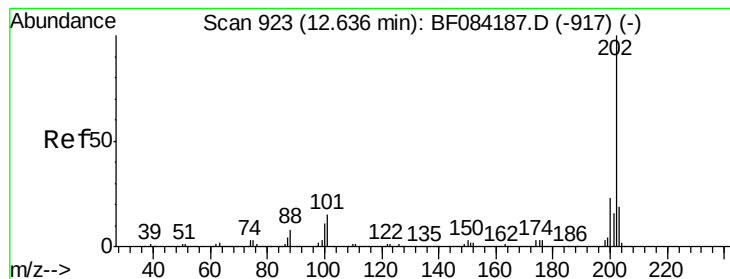
#70
Phenanthrene
Concen: 6.29 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Tgt Ion:178 Resp: 350882
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.9 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: 9.24 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

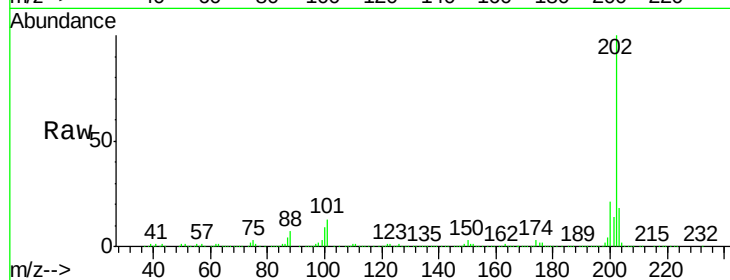
Tgt Ion: 202 Resp: 537904

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.8

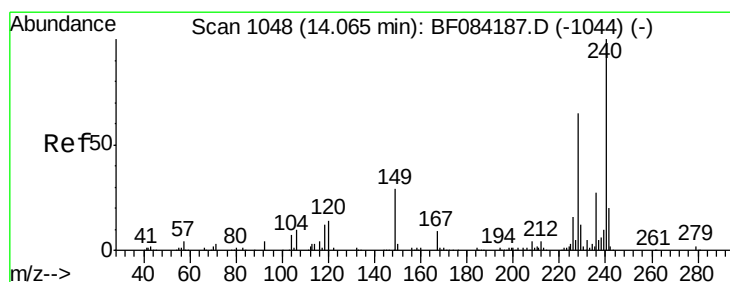
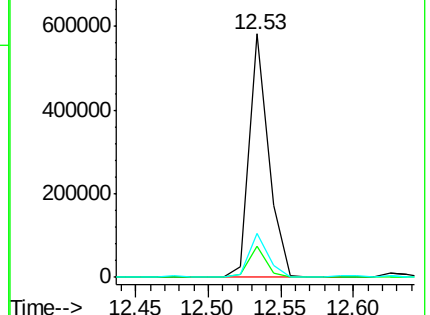
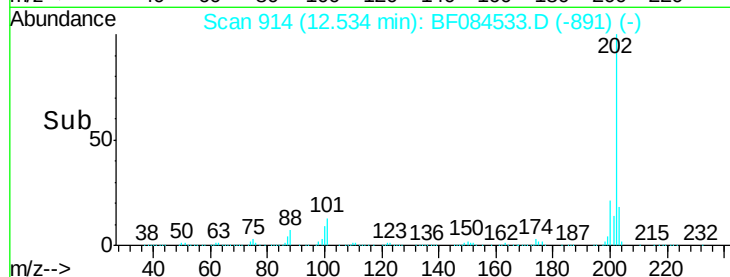
203 17.9 0.0 37.9



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: 13.96 min Scan# 1039

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

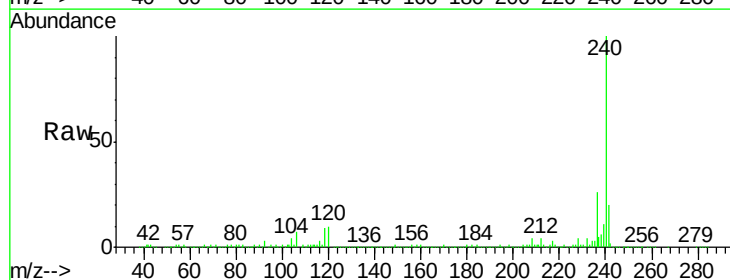
Tgt Ion: 240 Resp: 719602

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

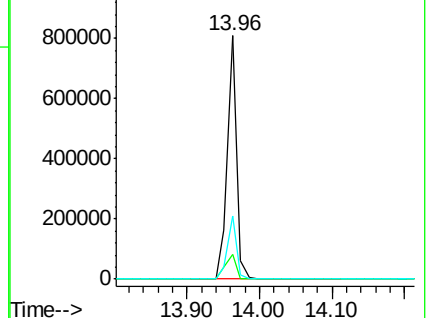
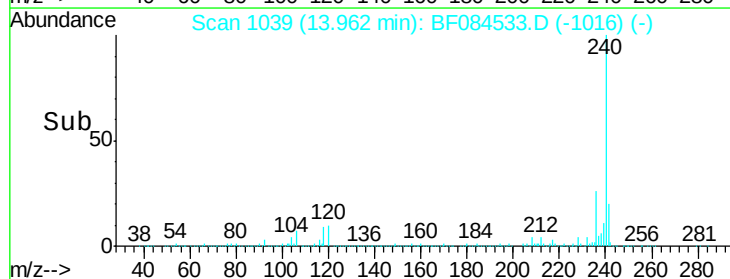
236 25.7 20.6 31.0

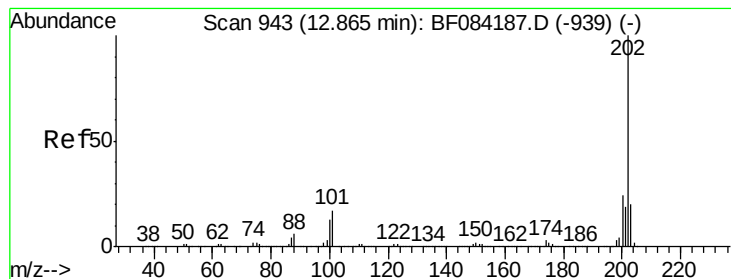


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.85 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

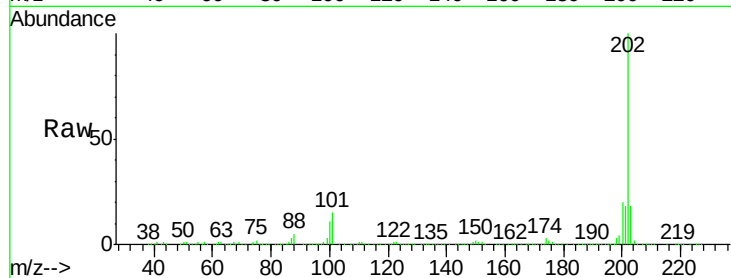
Tgt Ion: 202 Resp: 499948

Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

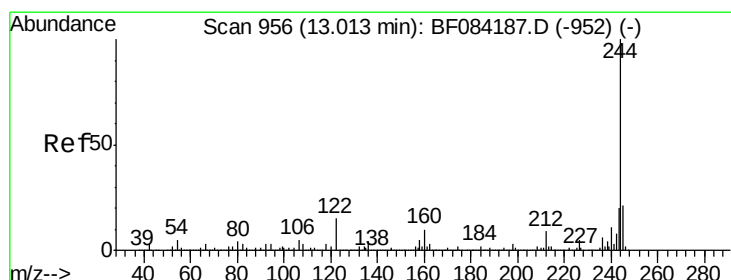
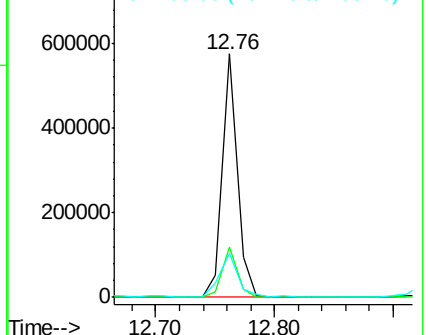
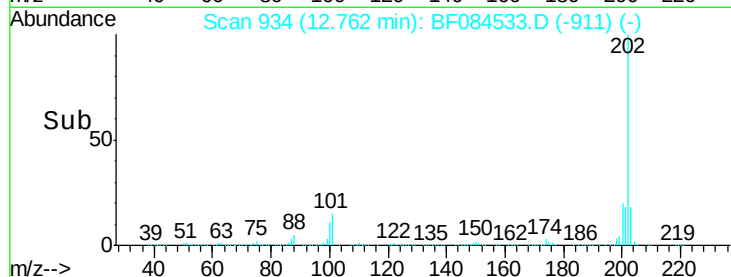
203 18.3 14.3 21.5



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: 17.91 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

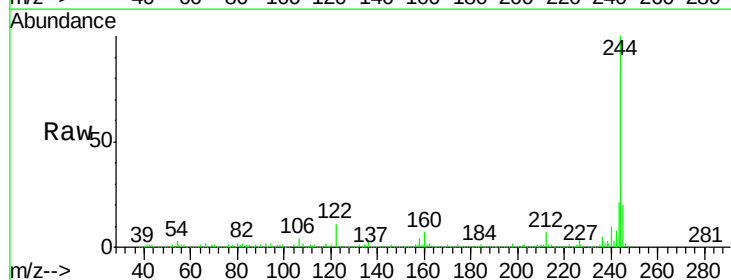
Tgt Ion: 244 Resp: 577401

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

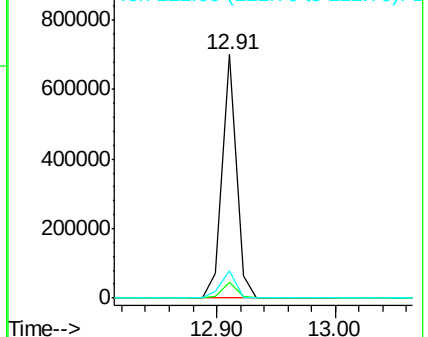
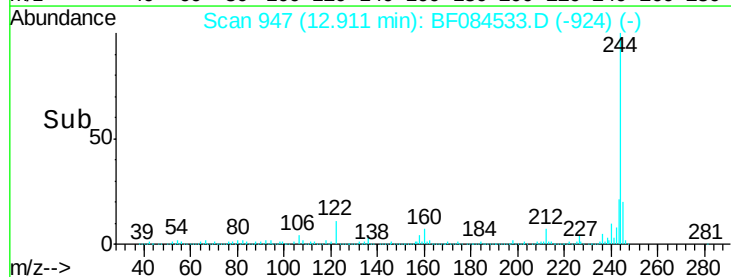
122 11.0 7.4 11.0#

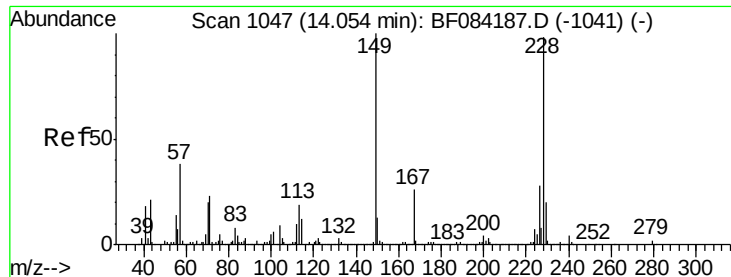


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.70 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

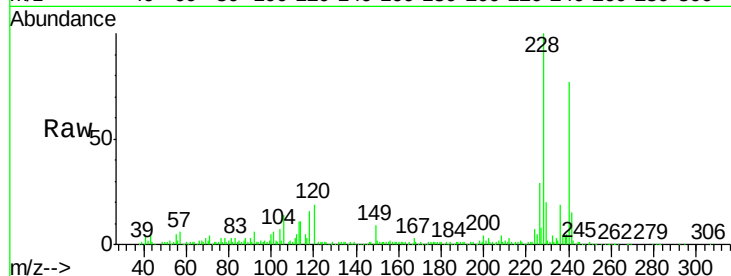
Tgt Ion:228 Resp: 240693

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.6

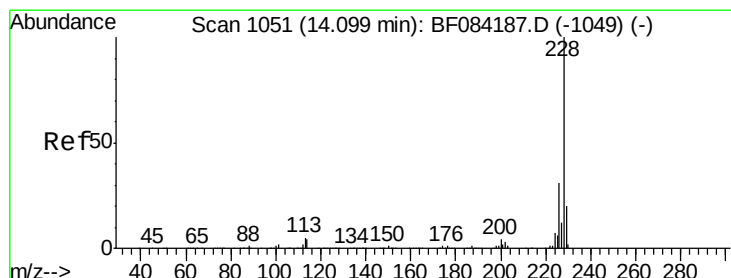
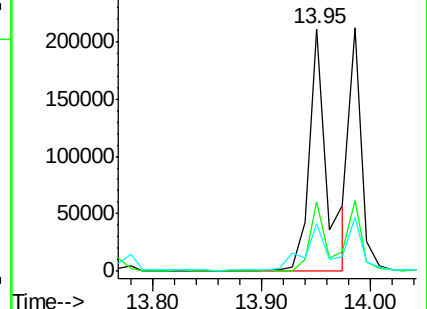
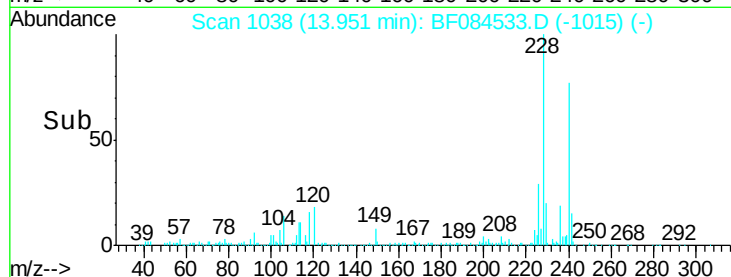
229 19.9 15.8 23.8



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: 4.09 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

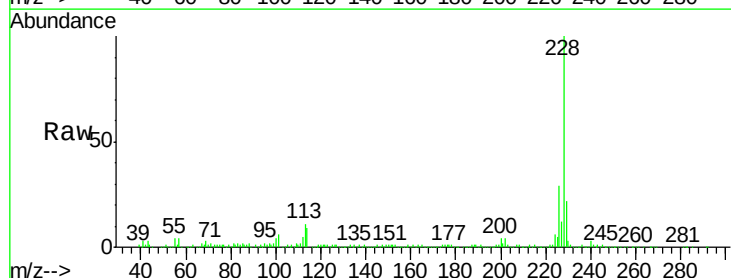
Tgt Ion:228 Resp: 166079

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

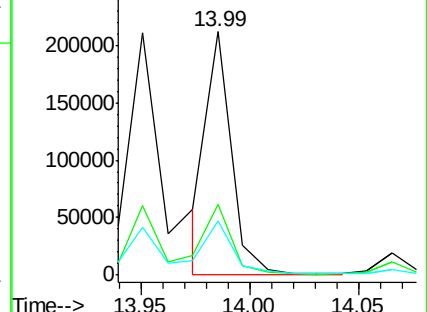
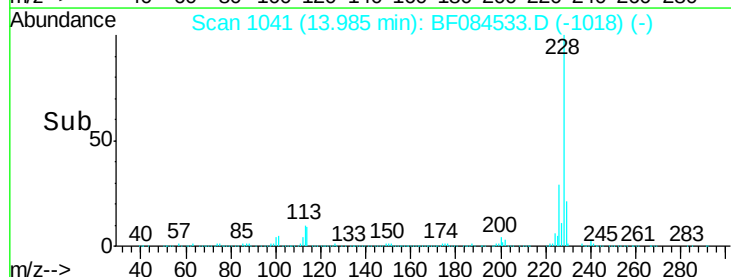
229 22.1 16.1 24.1

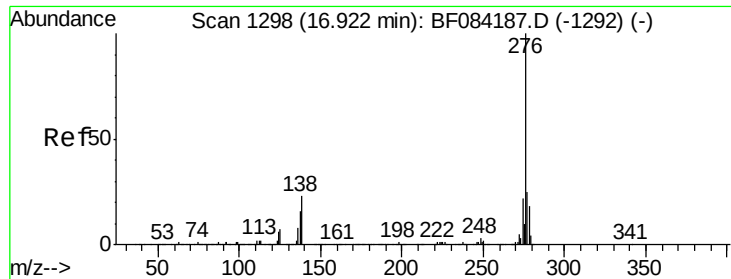


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

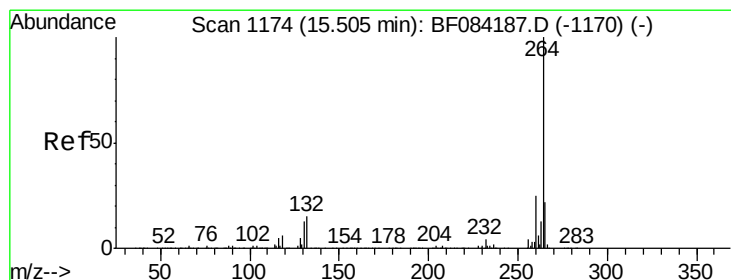
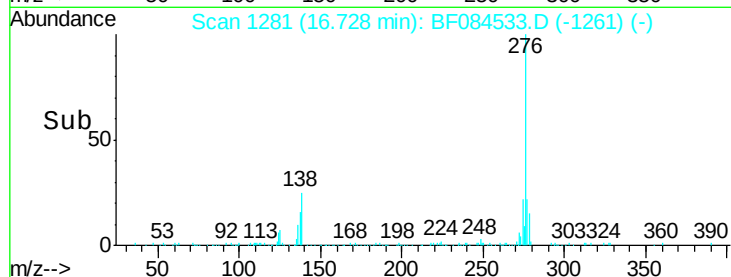
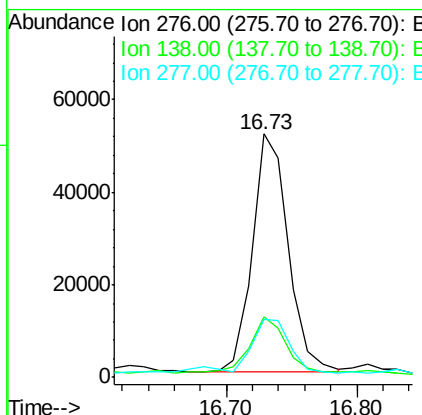
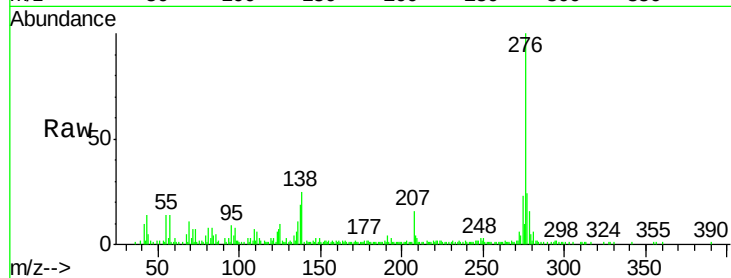




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.08 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. -0.07 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

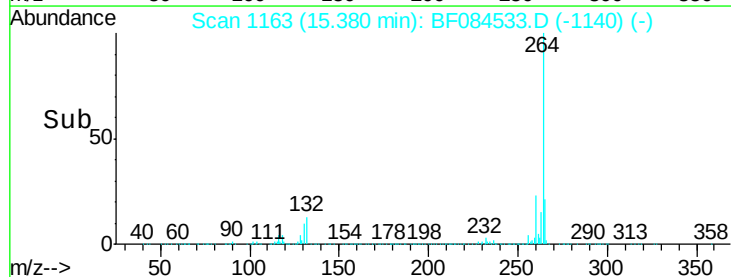
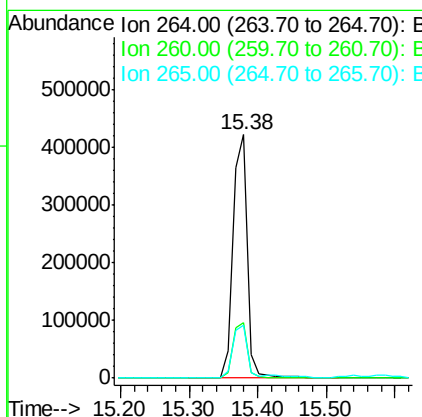
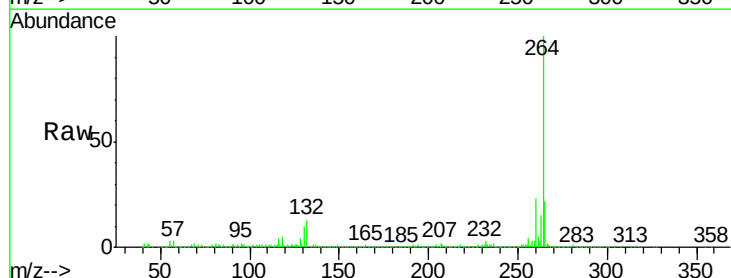
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

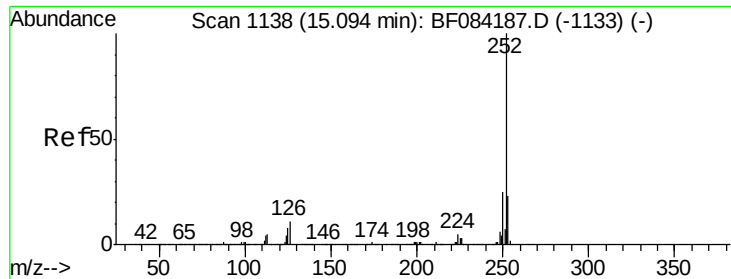
Tgt Ion: 276 Resp: 99067
 Ion Ratio Lower Upper
 276 100
 138 24.6 20.6 30.8
 277 28.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.03 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

Tgt Ion: 264 Resp: 613442
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.4 29.2
 265 21.7 17.8 26.6

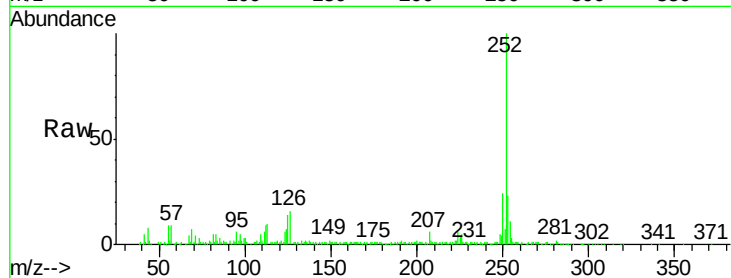




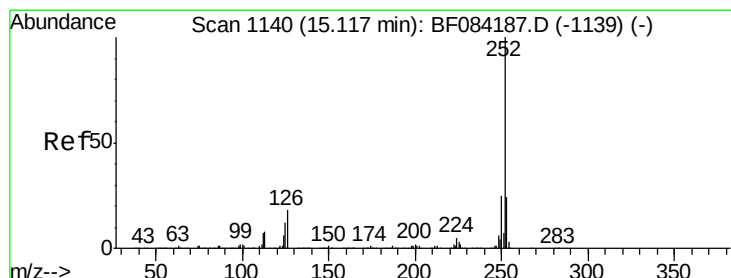
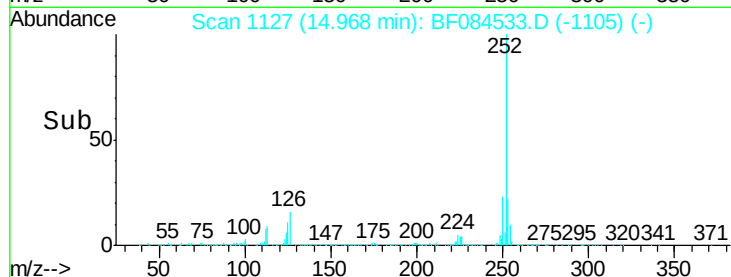
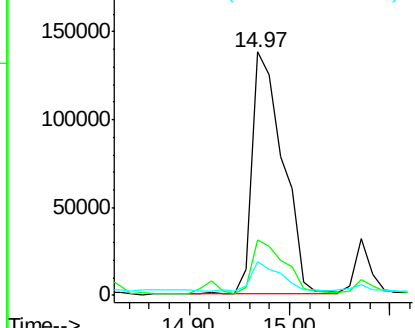
#87
Benzo(b)fluoranthene
Concen: 7.29 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	13.6	6.5	9.7#

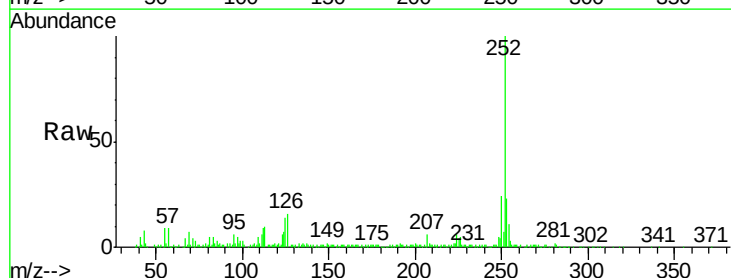


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

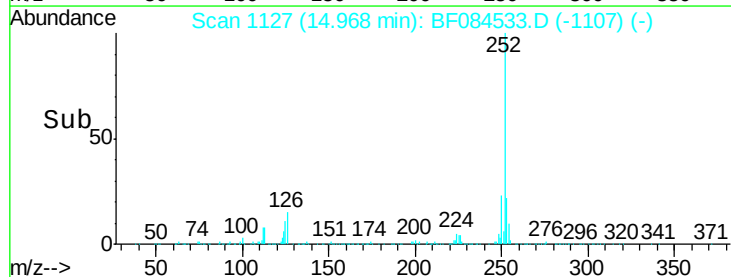
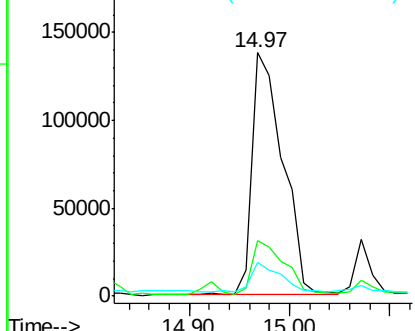


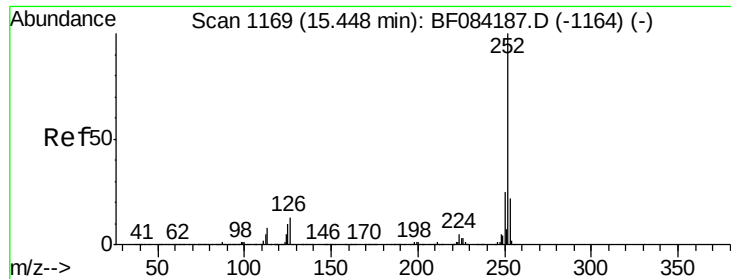
#88
Benzo(k)fluoranthene
Concen: 8.92 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.07 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	13.6	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: 4.58 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

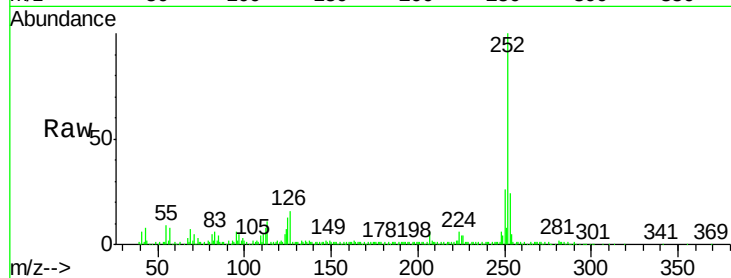
Tgt Ion:252 Resp: 155784

Ion Ratio Lower Upper

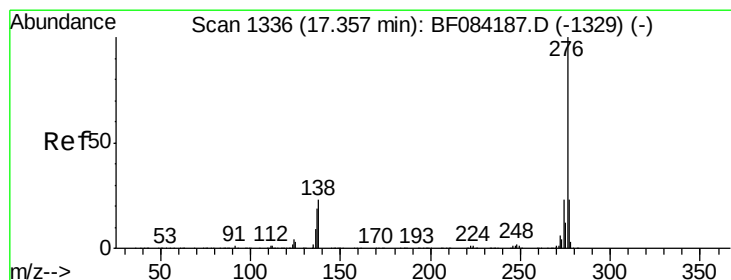
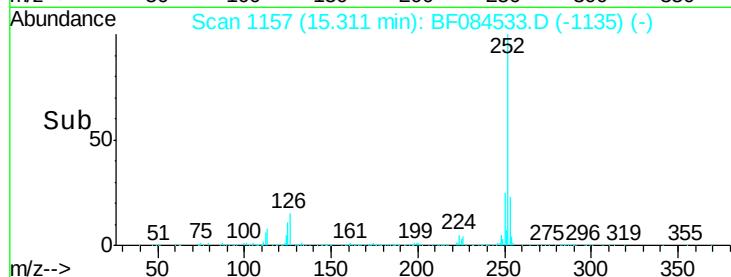
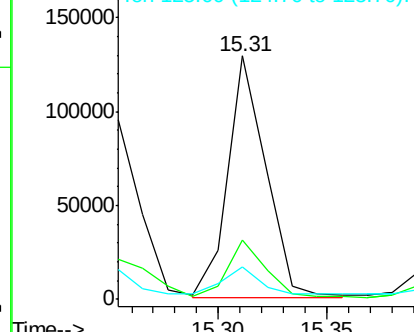
252 100

253 24.2 17.3 25.9

125 13.1 7.0 10.4#



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



#91

Benzo(g,h,i)perylene

Concen: 3.50 ng

RT: 17.14 min Scan# 1317

Delta R.T. -0.08 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

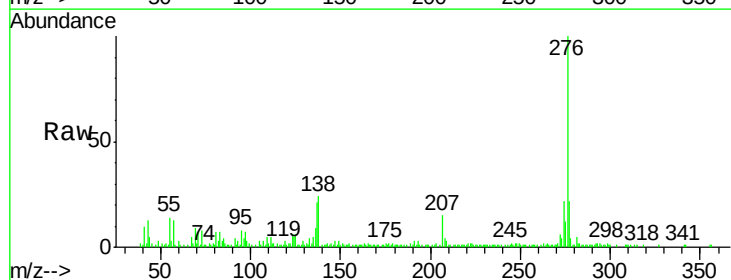
Tgt Ion:276 Resp: 106223

Ion Ratio Lower Upper

276 100

277 22.5 18.8 28.2

138 24.1 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

