

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084479.D
 Acq On : 14 Jan 2016 9:40
 Operator : SJ/UM
 Sample : H1077-02 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-2-20160108

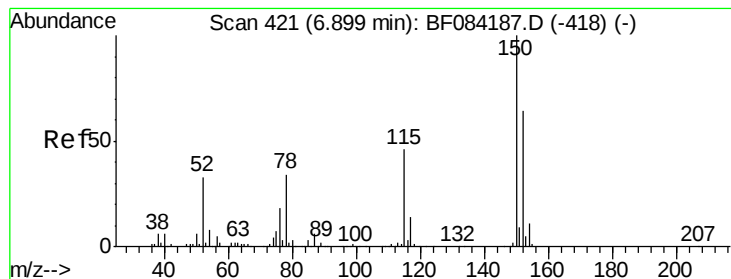
Quant Time: Jan 14 11:20:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	339350	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1398863	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	572856	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	917714	20.00	ng	-0.07
75) Chrysene-d12	13.98	240	638233	20.00	ng	-0.08
86) Perylene-d12	15.41	264	627975	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	332664	15.86	ng	-0.07
7) Phenol-d6	6.46	99	592134	22.47	ng	-0.07
23) Nitrobenzene-d5	7.39	82	359807	14.32	ng	-0.08
41) 2,4,6-Tribromophenol	10.66	330	45189	7.81	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	658806	15.02	ng	-0.07
78) Terphenyl-d14	12.93	244	378454	13.24	ng	-0.08

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	47136	2.64	ng	# 71
32) Benzoic acid	8.11	122	433	6.27	ng	# 1
49) Dimethylphthalate	9.60	163	135036	3.30	ng	# 90
50) 2,6-Dinitrotoluene	9.87	165	72253	8.04	ng	# 37
54) Dibenzofuran	10.08	168	5523	Below Cal		# 96
56) 2,4-Dinitrotoluene	9.87	165	72545	6.38	ng	# 21
57) Fluorene	10.42	166	9606	Below Cal		93
70) Phenanthrene	11.38	178	227296	4.73	ng	98
73) Di-n-butylphthalate	11.92	149	5807	Below Cal	#	78
74) Fluoranthene	12.57	202	455848	9.09	ng	94
77) Pyrene	12.80	202	457930	9.14	ng	98
80) Benzo(a)anthracene	13.98	228	252830	6.75	ng	96
82) Chrysene	13.98	228	252830	7.02	ng	100
85) Indeno(1,2,3-cd)pyrene	16.79	276	119162	4.17	ng	94
87) Benzo(b)fluoranthene	15.00	252	378396	9.21	ng	# 92
88) Benzo(k)fluoranthene	15.00	252	378396	11.26	ng	# 95
89) Benzo(a)pyrene	15.35	252	213156	6.12	ng	# 88
91) Benzo(g,h,i)perylene	17.21	276	107557	3.46	ng	97

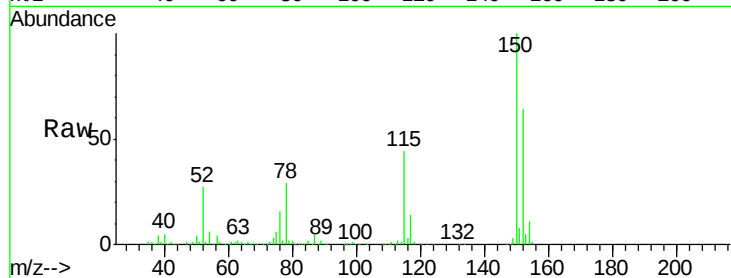
(#) = qualifier out of range (m) = manual integration (+) = signals summed



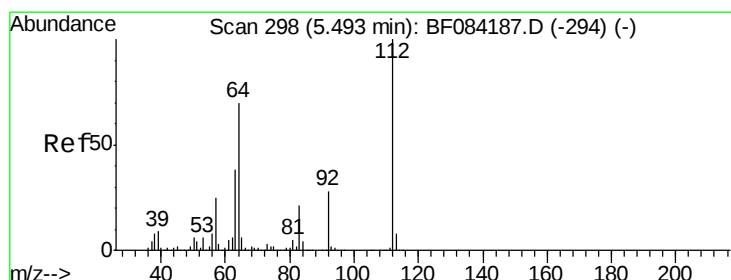
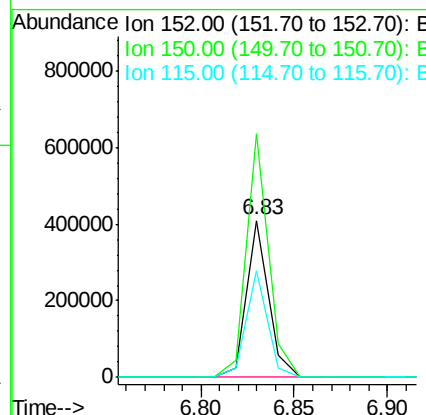
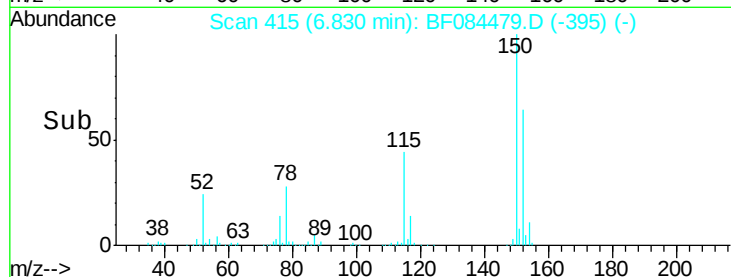
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 415
 Delta R.T. -0.07 min
 Lab File: BF084479.D
 Acq: 14 Jan 2016 9:40

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-2-20160108

Tot Ion:152 Resp: 339350
 Ion Ratio Lower Upper
 152 100
 150 155.3 123.0 184.4
 115 68.0 51.4 77.2

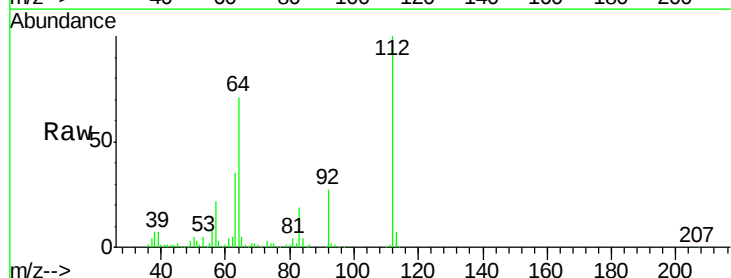


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

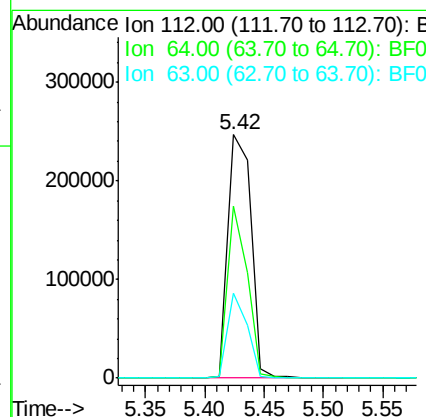
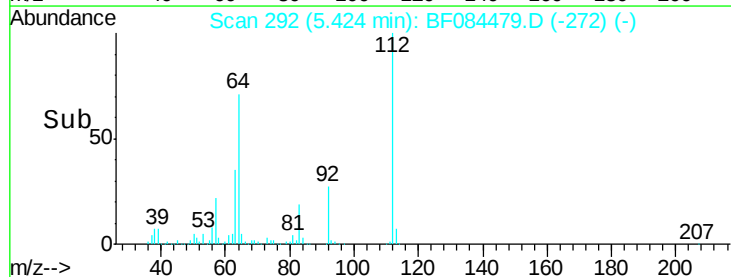


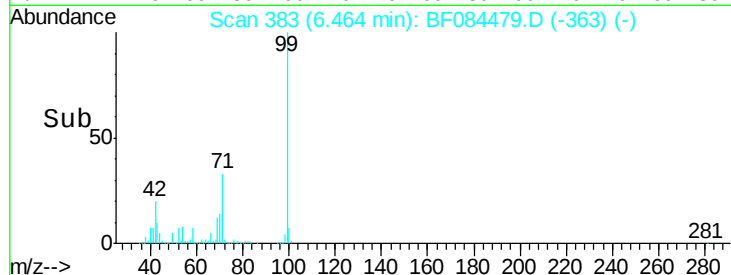
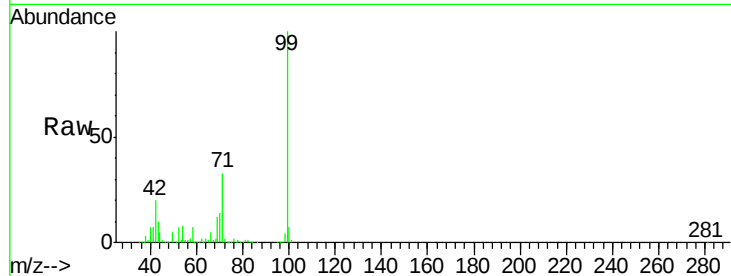
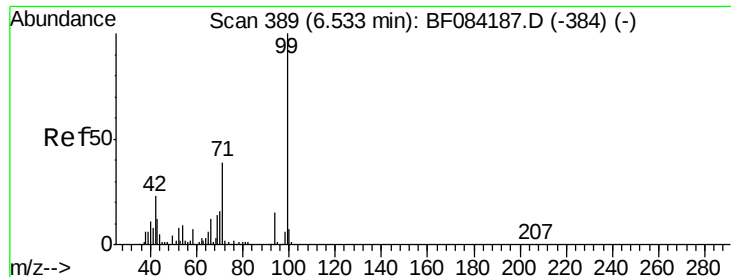
#5
 2-Fluorophenol
 Concen: 15.86 ng
 RT: 5.42 min Scan# 292
 Delta R.T. -0.07 min
 Lab File: BF084479.D
 Acq: 14 Jan 2016 9:40

Tgt Ion:112 Resp: 332664
 Ion Ratio Lower Upper
 112 100
 64 70.9 36.6 55.0#
 63 34.7 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: 22.47 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.07 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

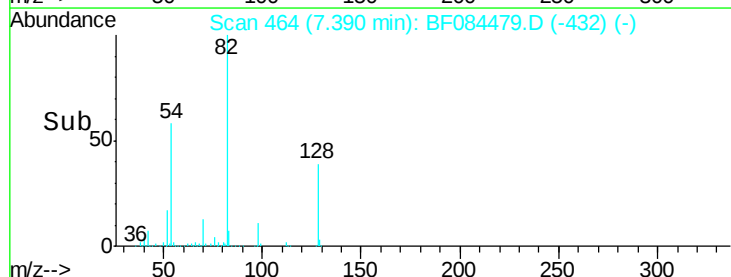
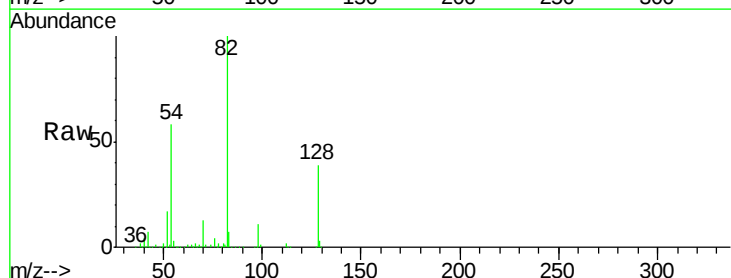
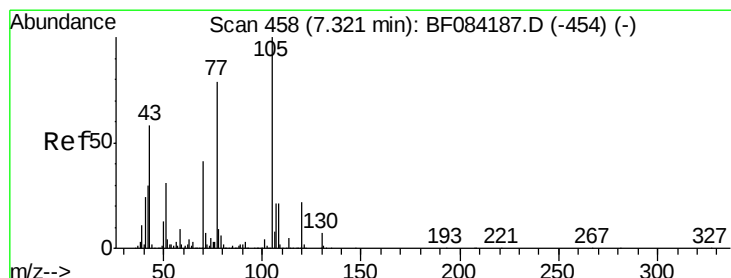
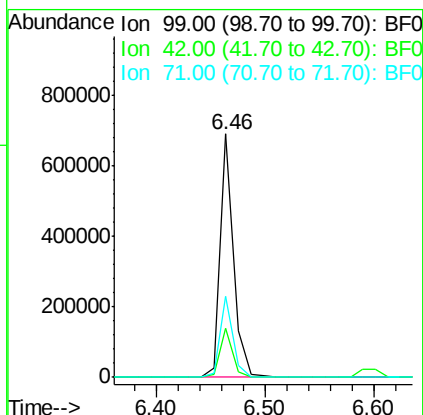
Tot Ion: 99 Resp: 592134

Ion Ratio Lower Upper

99 100

42 20.1 12.8 19.2#

71 33.4 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.64 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.07 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Tgt Ion: 70 Resp: 47136

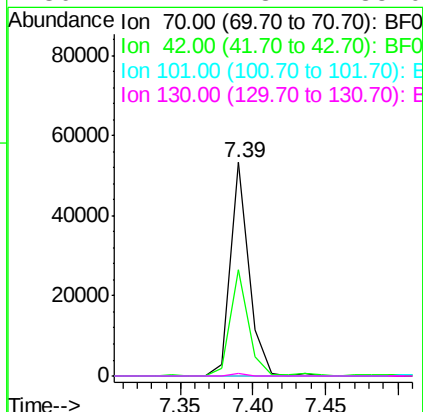
Ion Ratio Lower Upper

70 100

42 49.8 33.3 49.9

101 0.0 9.3 13.9#

130 1.4 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

Tot Ion:136 Resp: 1398863

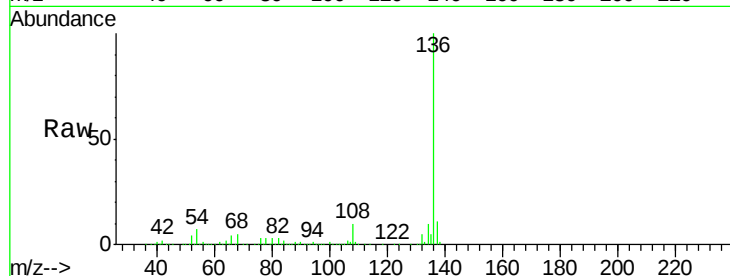
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.2 5.8 8.8

68 4.8 4.2 6.2

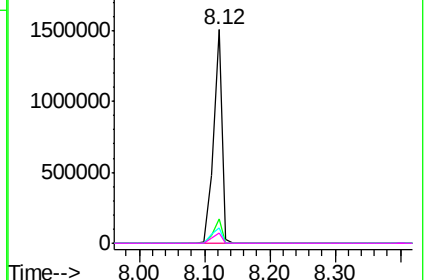
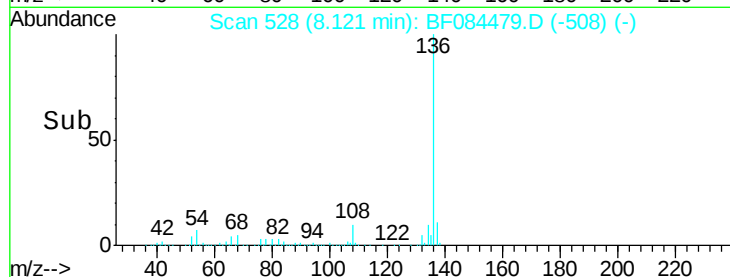


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.32 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.08 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

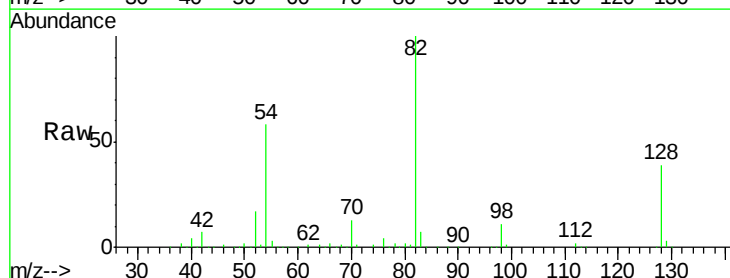
Tgt Ion: 82 Resp: 359807

Ion Ratio Lower Upper

82 100

128 38.9 34.6 51.8

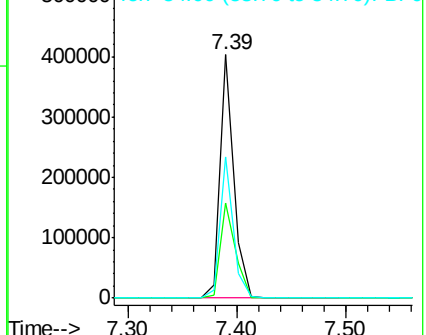
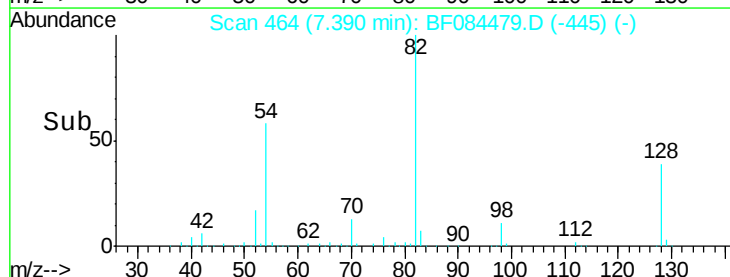
54 58.0 38.4 57.6#



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

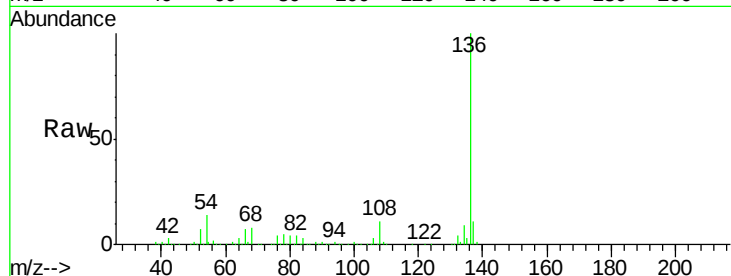




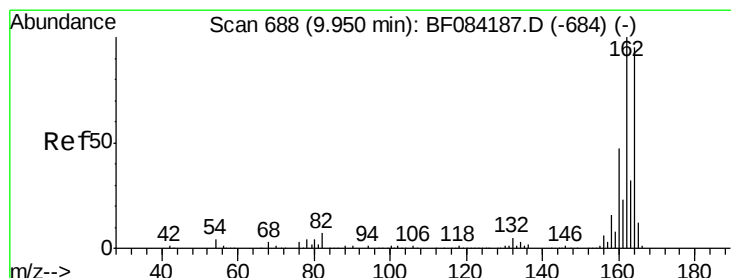
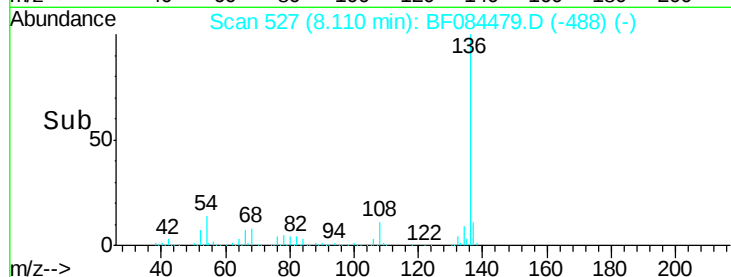
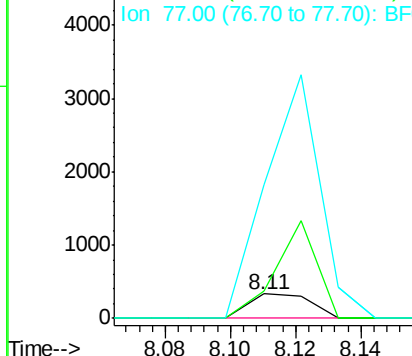
#32
Benzoic acid
Concen: 6.27 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.15 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tot Ion:122 Resp: 433
Ion Ratio Lower Upper
122 100
105 115.2 100.3 140.3
77 553.8 63.5 103.5#

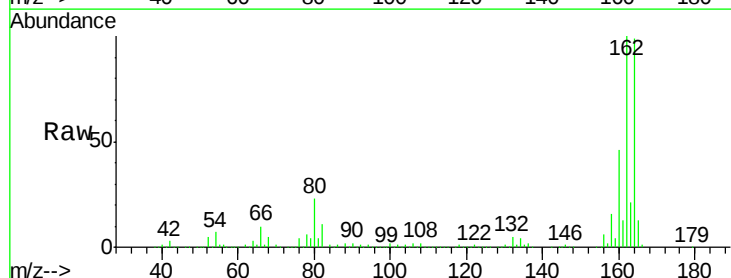


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

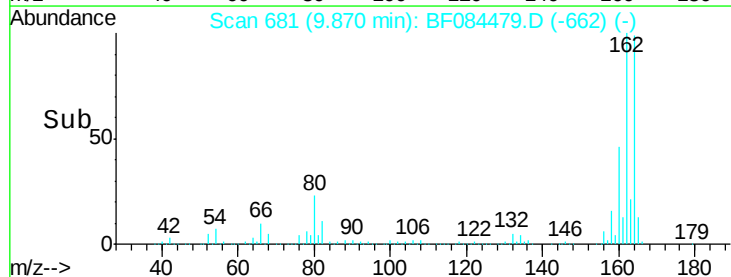
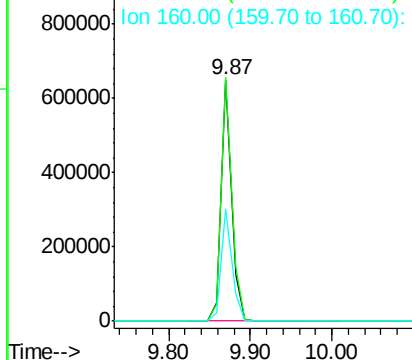


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:164 Resp: 572856
Ion Ratio Lower Upper
164 100
162 100.8 85.1 127.7
160 46.0 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

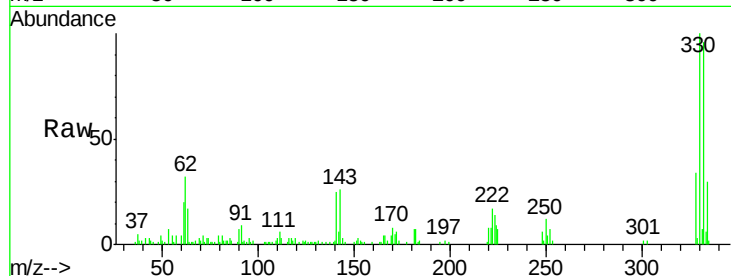




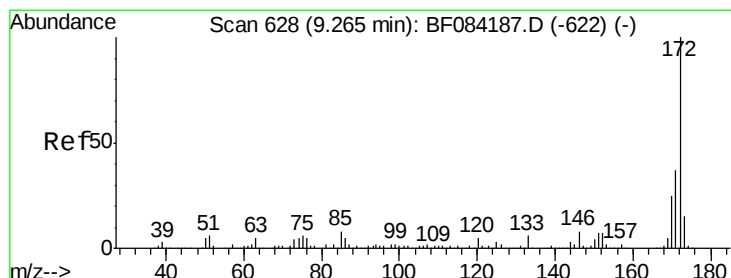
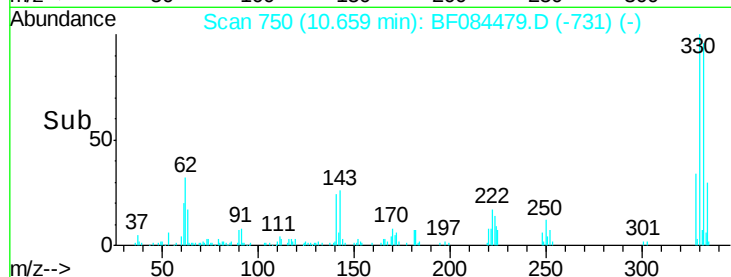
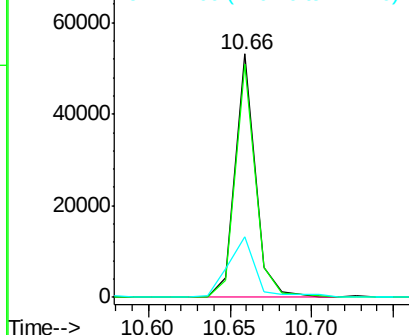
#41
 2,4,6-Tribromophenol
 Concen: 7.81 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.08 min
 Lab File: BF084479.D
 Acq: 14 Jan 2016 9:40

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-2-20160108

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	34.3	27.8	41.6

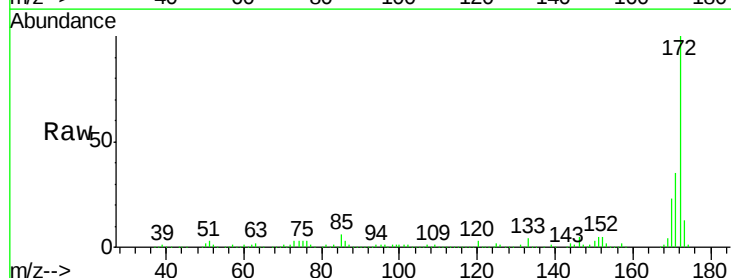


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

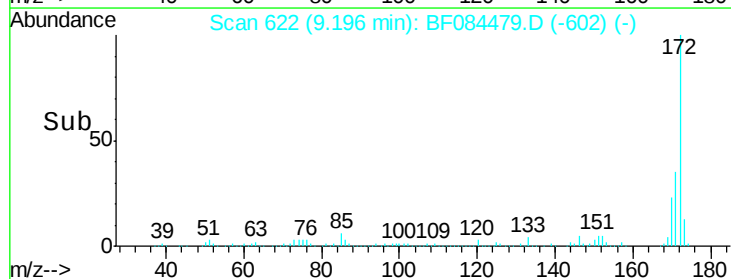
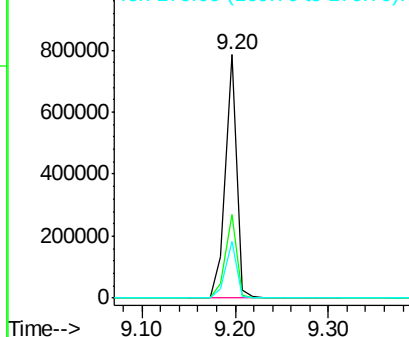


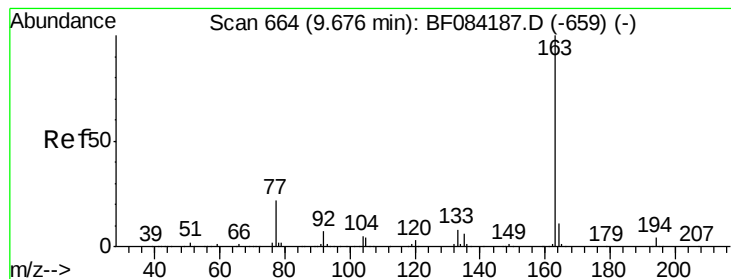
#44
 2-Fluorobiphenyl
 Concen: 15.02 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084479.D
 Acq: 14 Jan 2016 9:40

Tgt 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





#49

Dimethylphthalate

Concen: 3.30 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.08 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

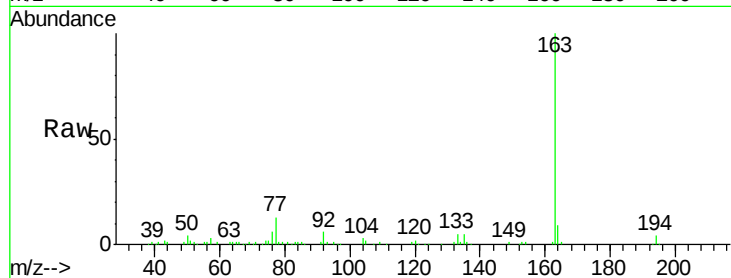
Tot Ion:163 Resp: 135036

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

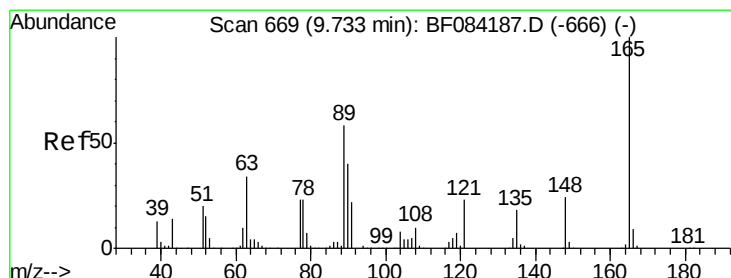
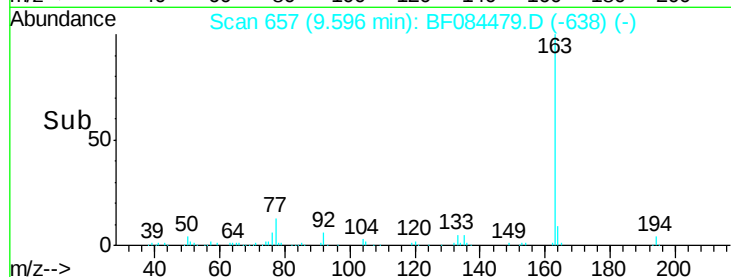
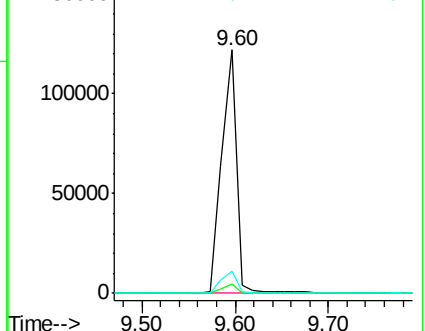
164 9.2 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.04 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.14 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

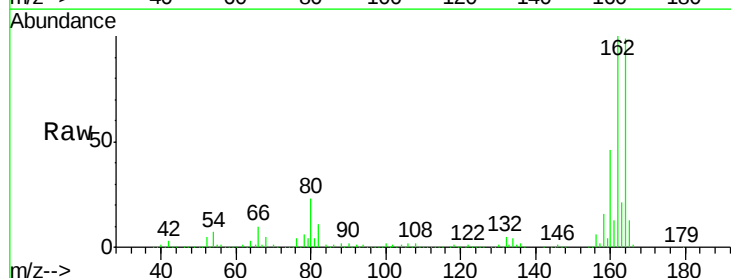
Tgt Ion:165 Resp: 72253

Ion Ratio Lower Upper

165 100

63 1.5 28.8 43.2#

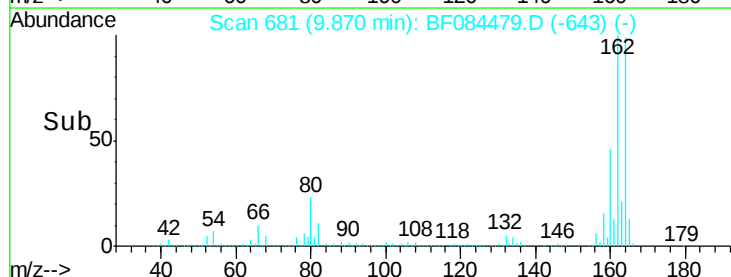
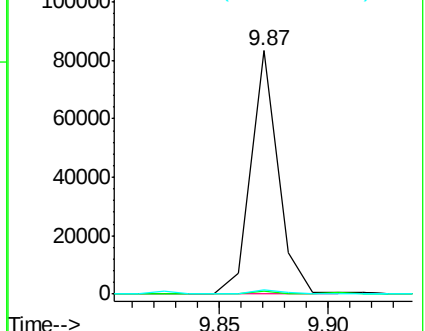
89 1.5 35.1 52.7#

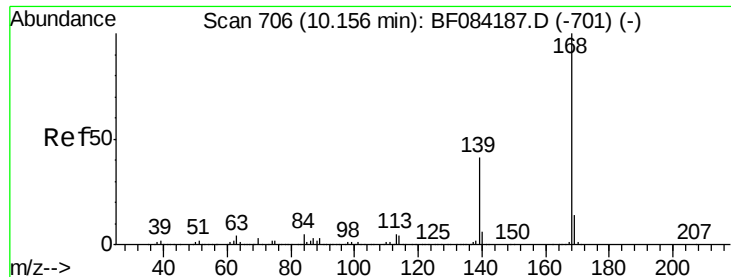


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

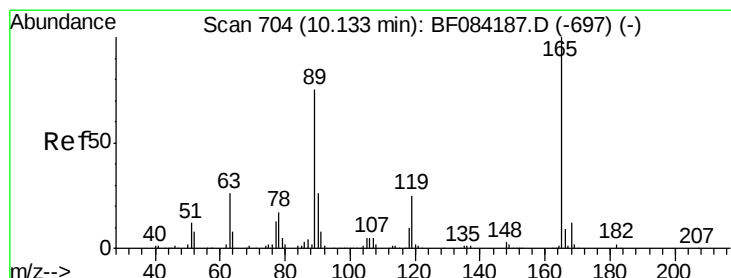
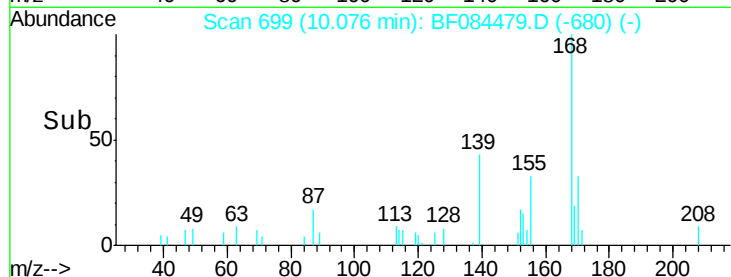
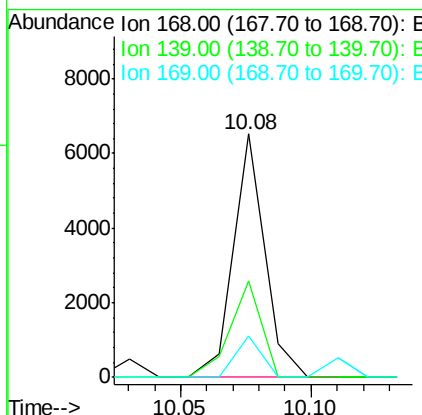
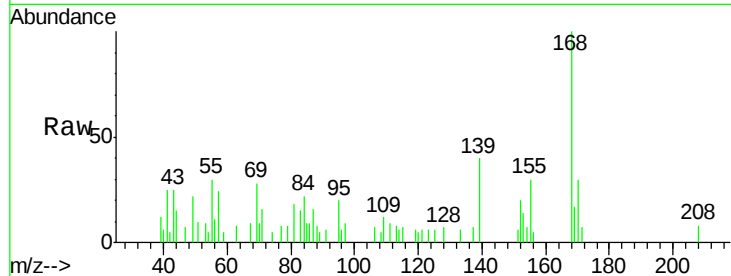




#54
Dibenzofuran
Concen: Below Cal
RT: 10.08 min Scan# 699
Delta R.T. -0.08 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

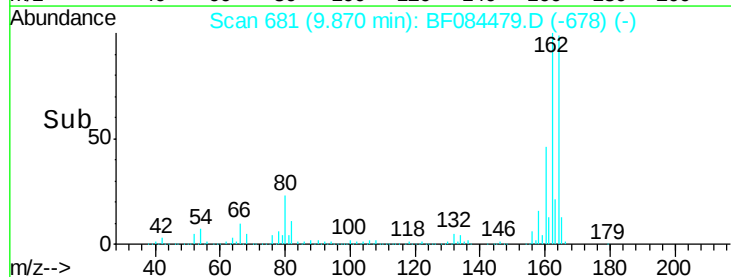
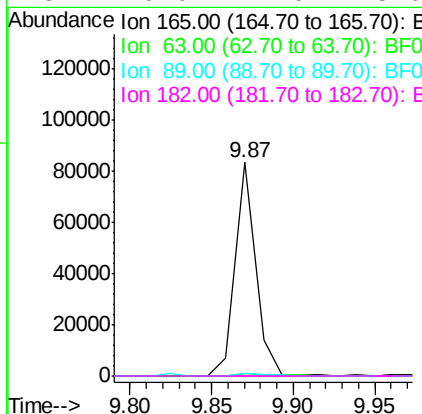
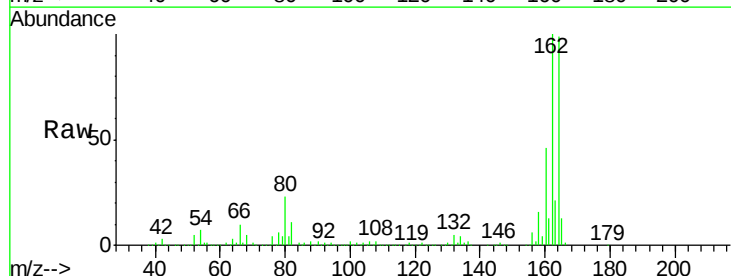
Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

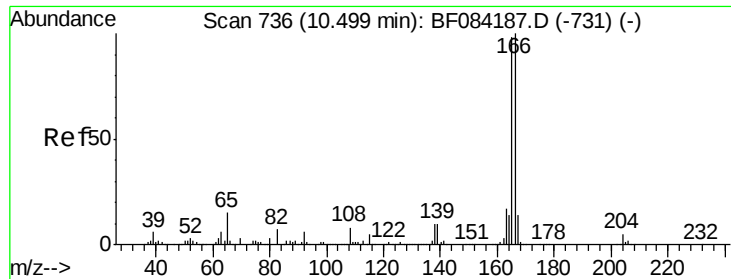
Tot Ion:168 Resp: 5523
Ion Ratio Lower Upper
168 100
139 39.5 30.5 45.7
169 17.2 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.38 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.26 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:165 Resp: 72545
Ion Ratio Lower Upper
165 100
63 1.5 36.7 55.1#
89 1.5 61.9 92.9#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.42 min Scan# 729

Delta R.T. -0.08 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

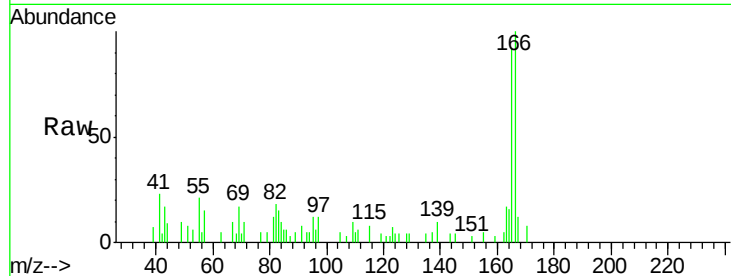
Tot Ion:166 Resp: 9606

Ion Ratio Lower Upper

166 100

165 92.0 79.1 118.7

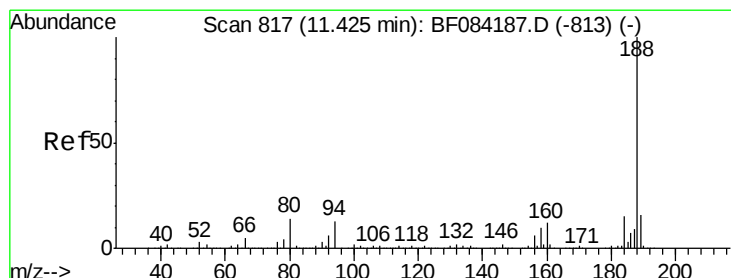
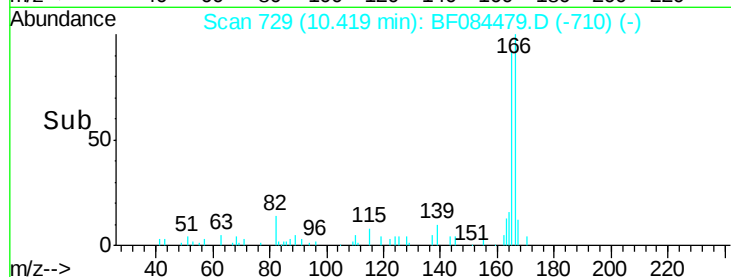
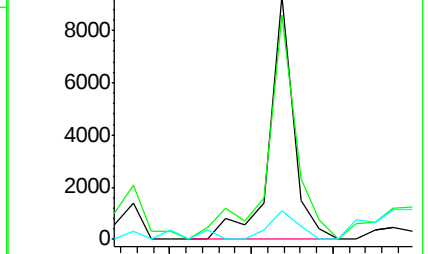
167 11.5 10.4 15.6



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: 11.36 min Scan# 811

Delta R.T. -0.07 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

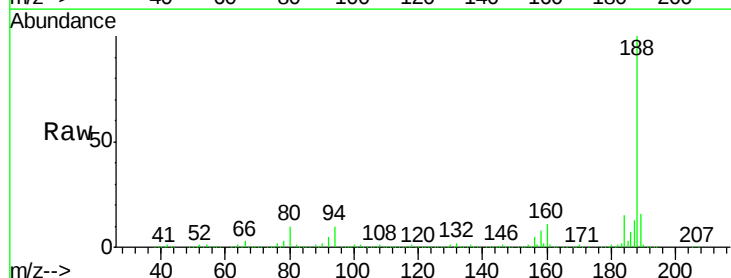
Tgt Ion:188 Resp: 917714

Ion Ratio Lower Upper

188 100

94 10.0 9.0 13.4

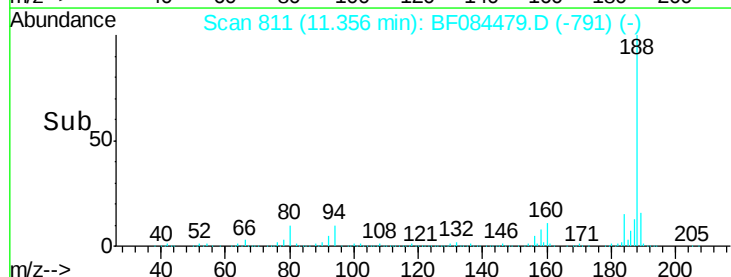
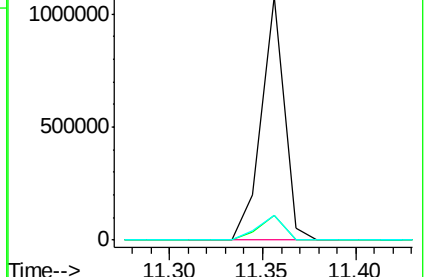
80 10.0 9.6 14.4

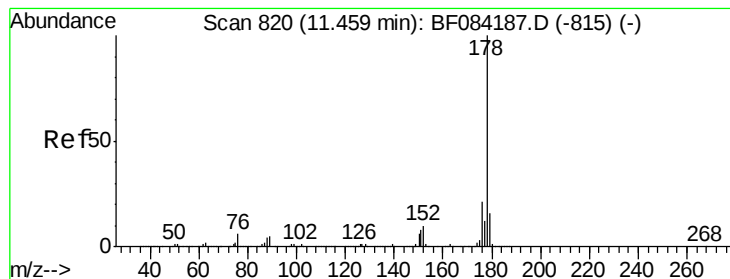


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.73 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.08 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

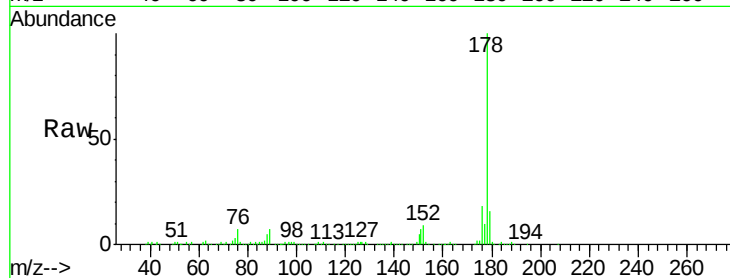
Tot Ion:178 Resp: 227296

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

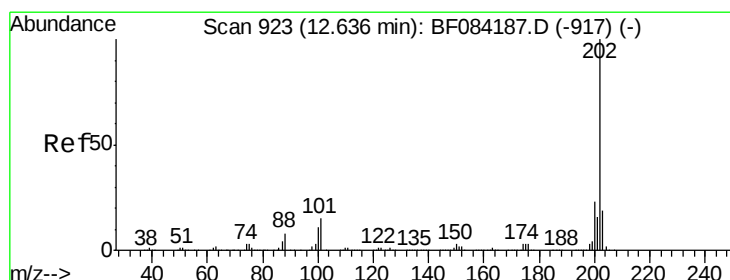
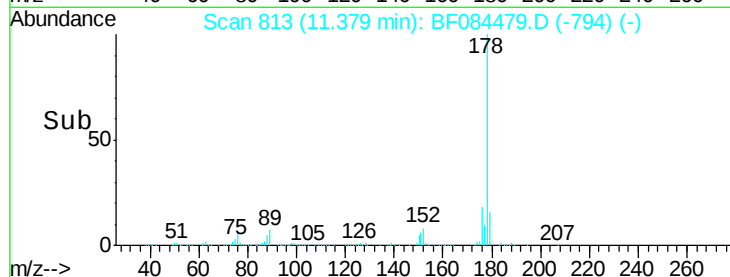
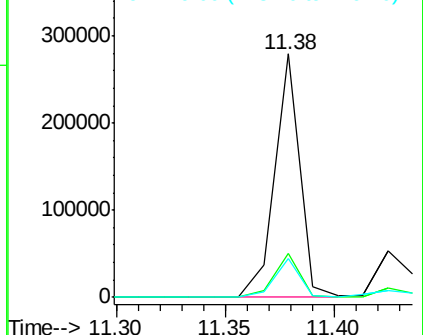
179 15.7 12.0 18.0



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: 9.09 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.07 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

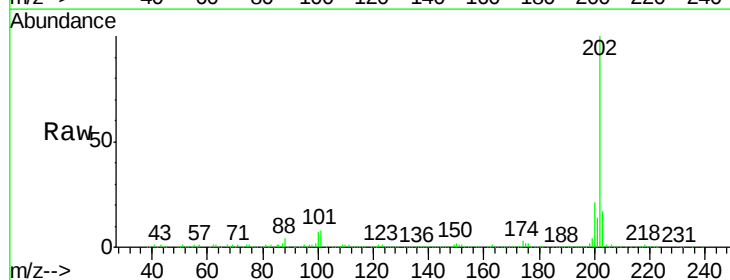
Tgt Ion:202 Resp: 455848

Ion Ratio Lower Upper

202 100

101 8.4 0.0 32.8

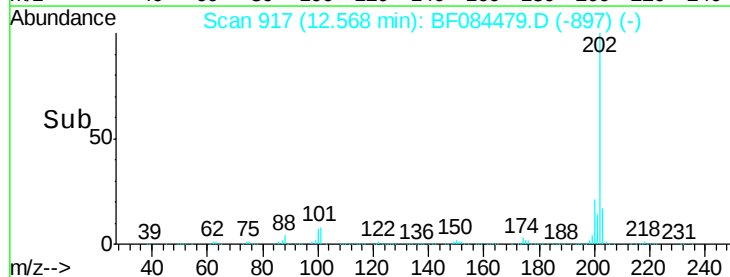
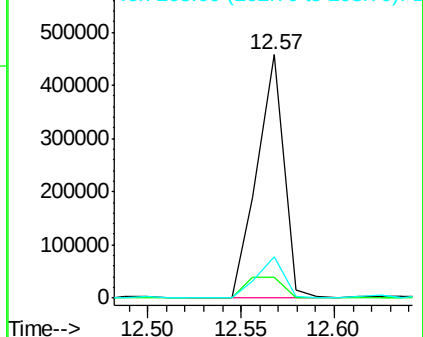
203 17.2 0.0 37.9

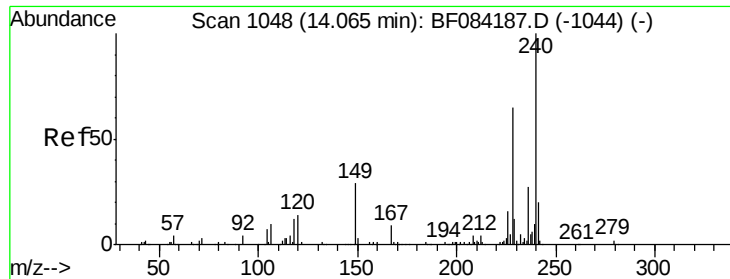


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 1041

Delta R.T. -0.08 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

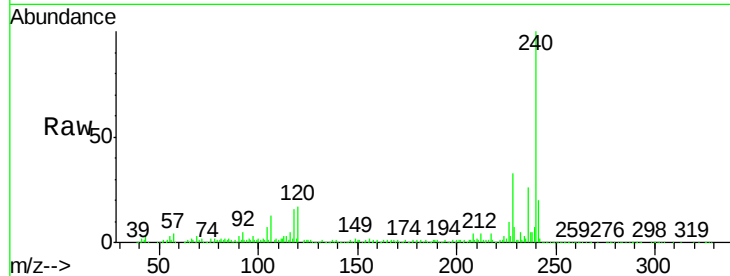
Tot Ion:240 Resp: 638233

Ion Ratio Lower Upper

240 100

120 17.0 9.5 14.3#

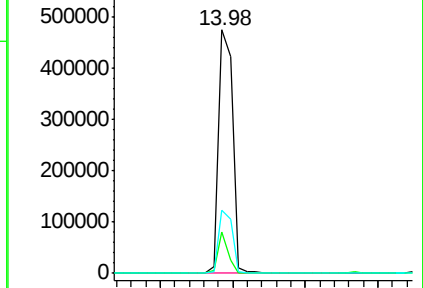
236 26.0 20.6 31.0



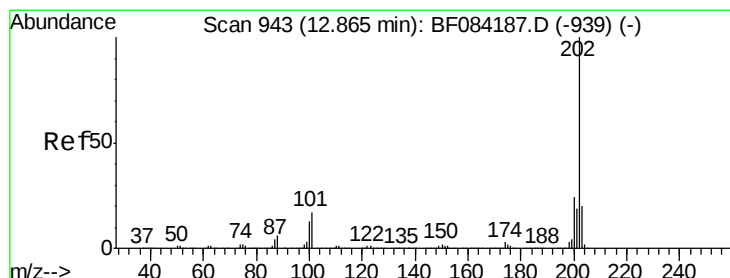
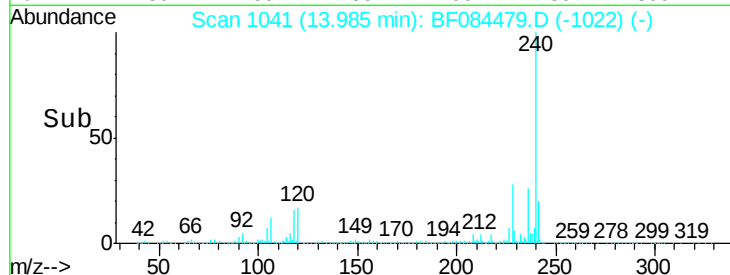
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 9.14 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.07 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

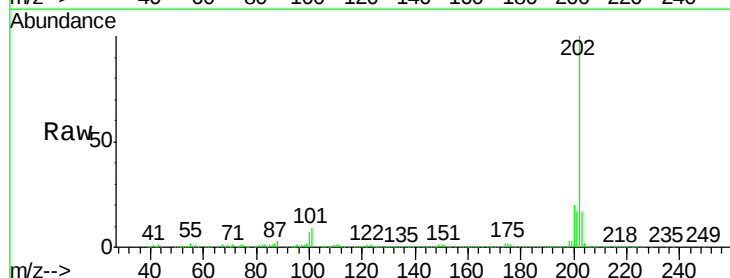
Tgt Ion:202 Resp: 457930

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

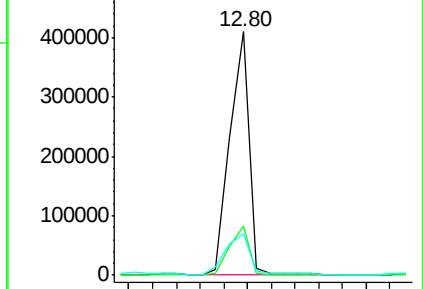
203 17.2 14.3 21.5



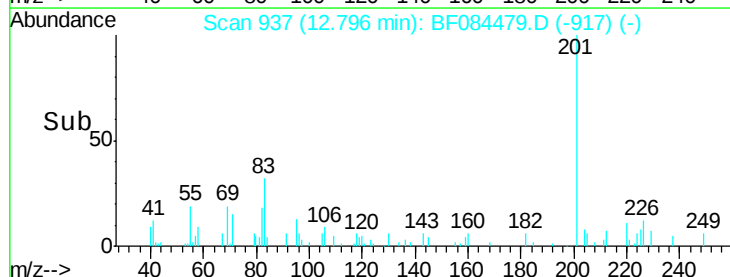
Abundance Ion 202.00 (201.70 to 202.70): E

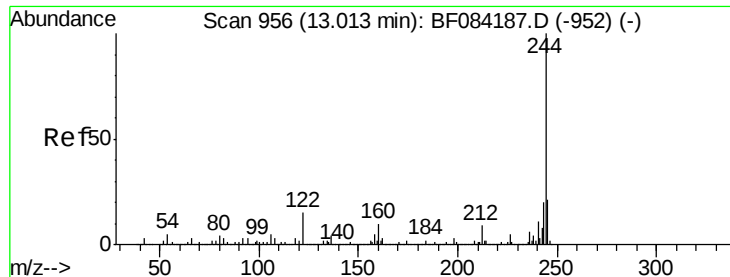
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 13.24 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.08 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

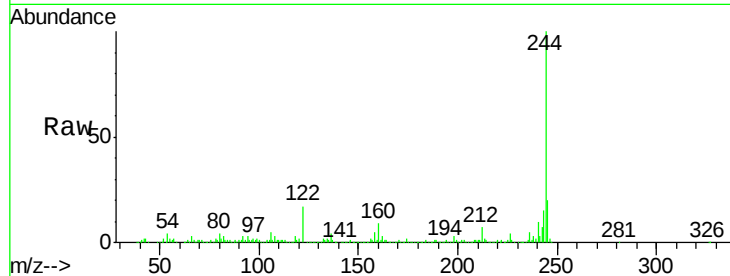
Tot Ion:244 Resp: 378454

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

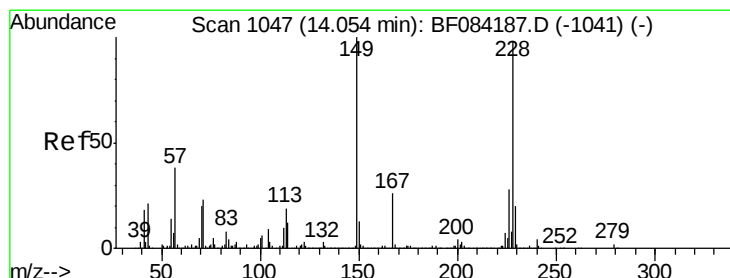
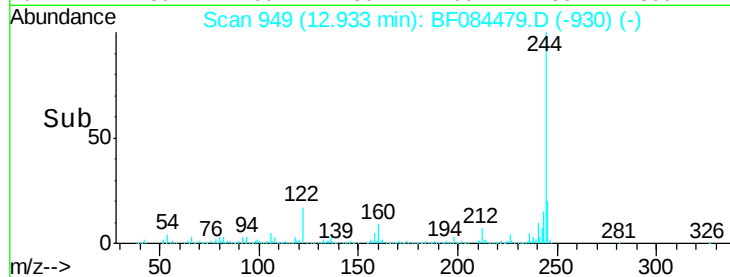
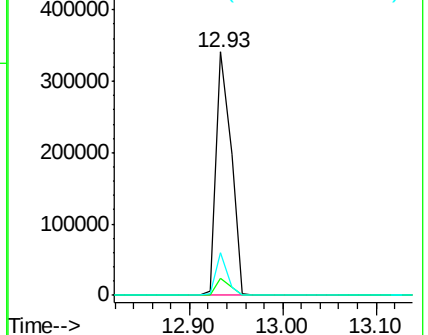
122 17.5 7.4 11.0#



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: 6.75 ng

RT: 13.98 min Scan# 1041

Delta R.T. -0.07 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

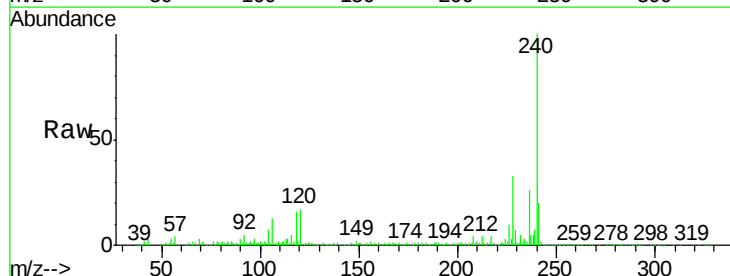
Tgt Ion:228 Resp: 252830

Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.6

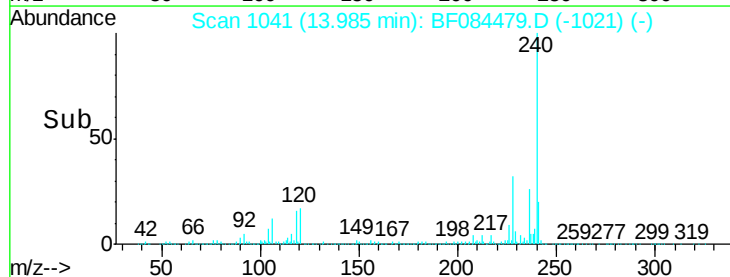
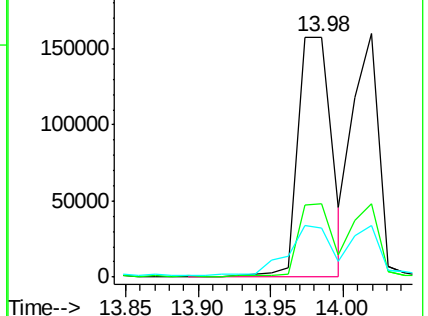
229 20.6 15.8 23.8

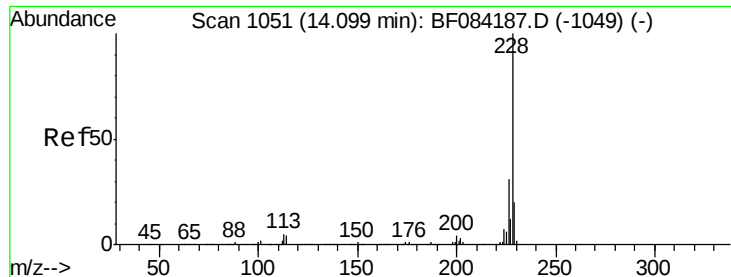


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

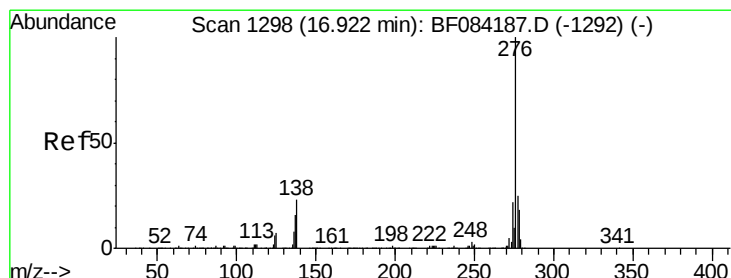
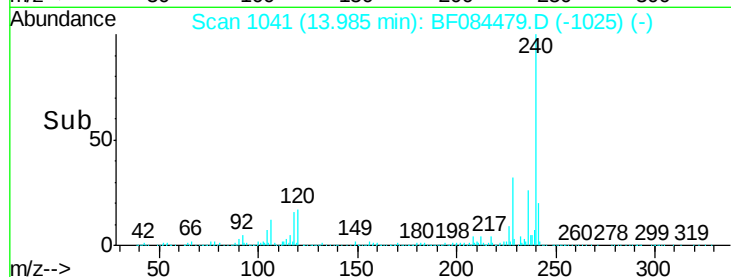
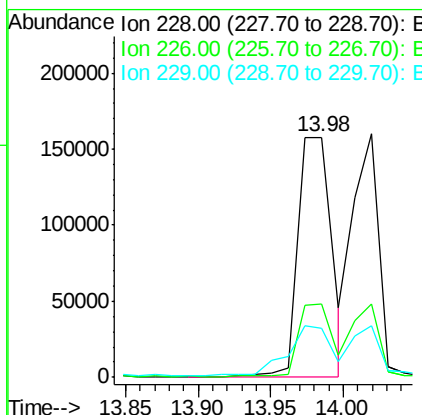
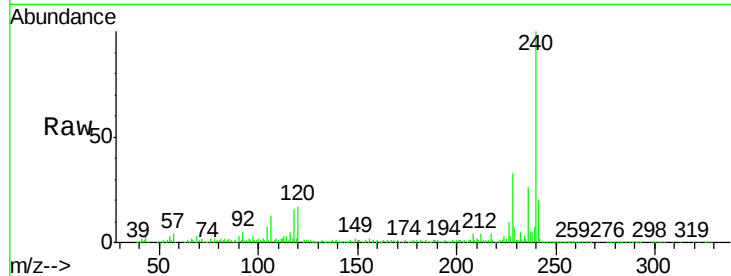




#82
Chrysene
Concen: 7.02 ng
RT: 13.98 min Scan# 1041
Delta R.T. -0.11 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

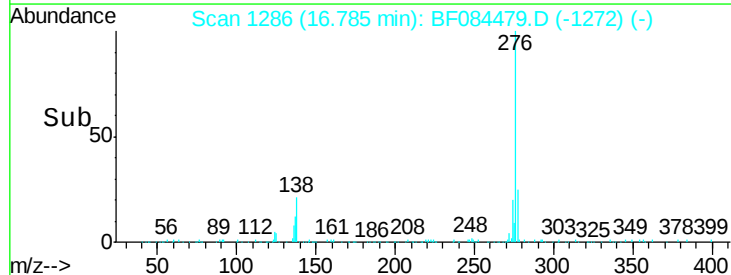
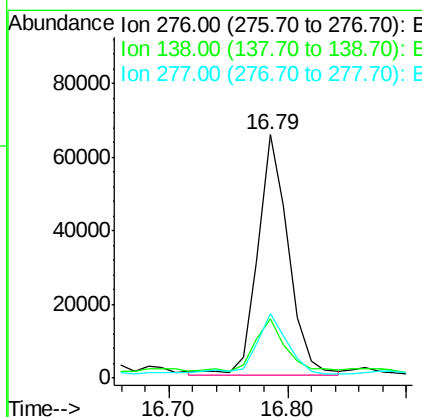
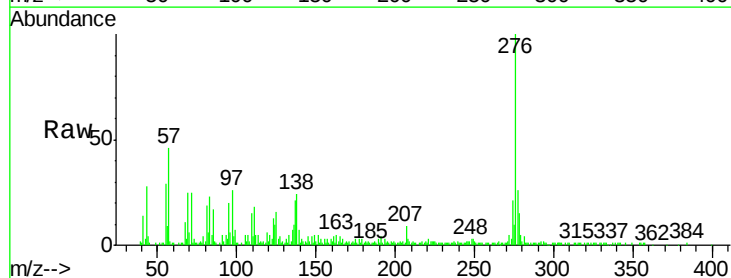
Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

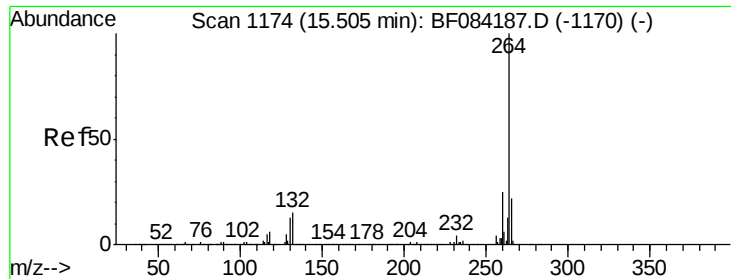
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.6	16.1	24.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.17 ng
RT: 16.79 min Scan# 1286
Delta R.T. -0.14 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.6	30.8
277	29.3	20.1	30.1

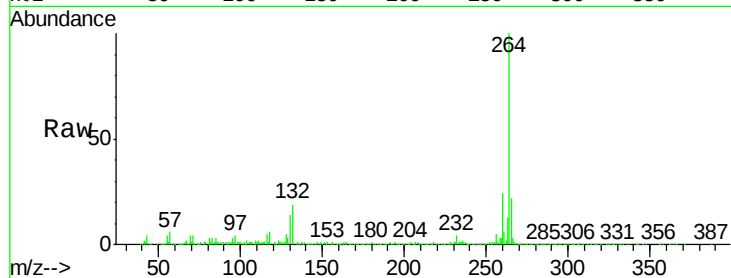




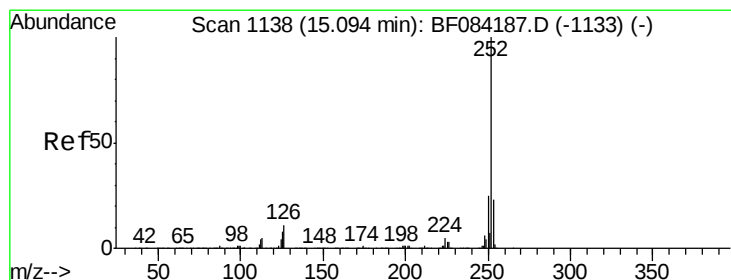
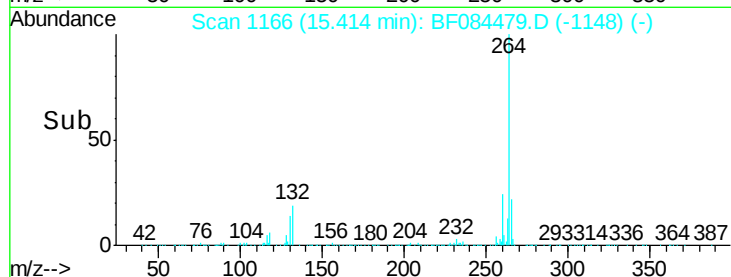
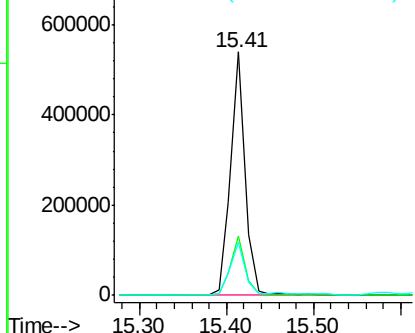
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

Tot Ion:264 Resp: 627975
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.8 17.8 26.6

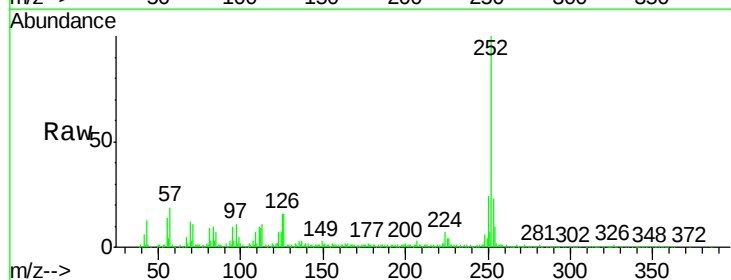


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

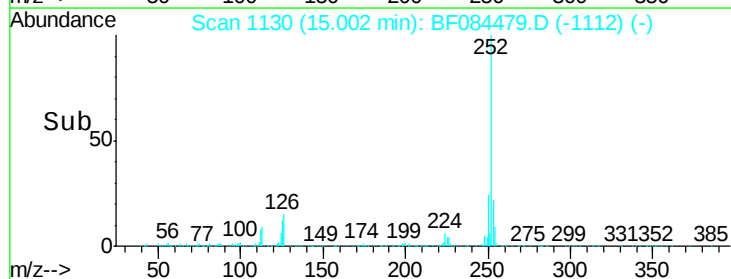
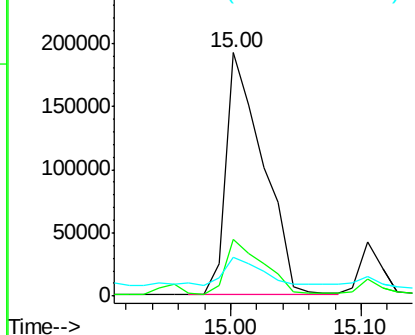


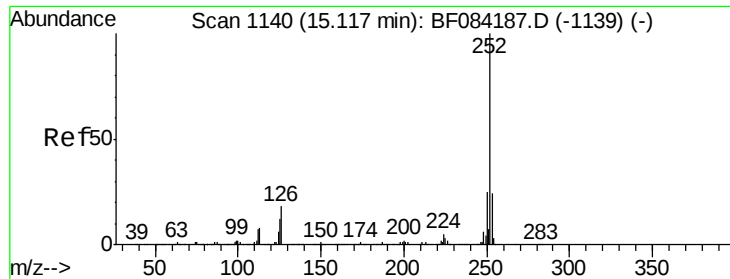
#87
Benzo(b)fluoranthene
Concen: 9.21 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.09 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:252 Resp: 378396
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 15.7 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

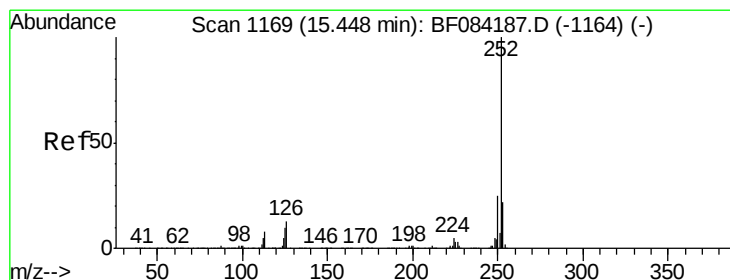
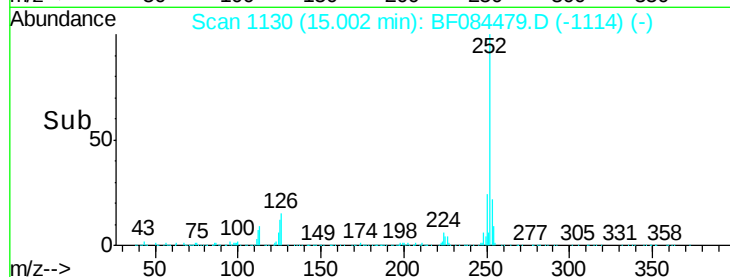
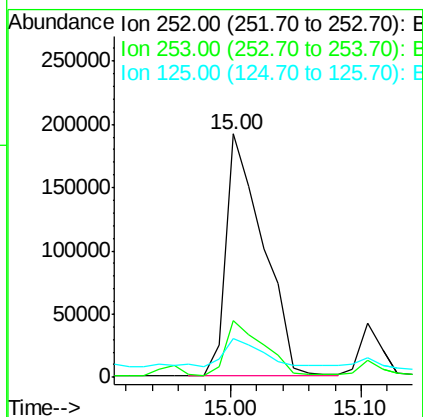
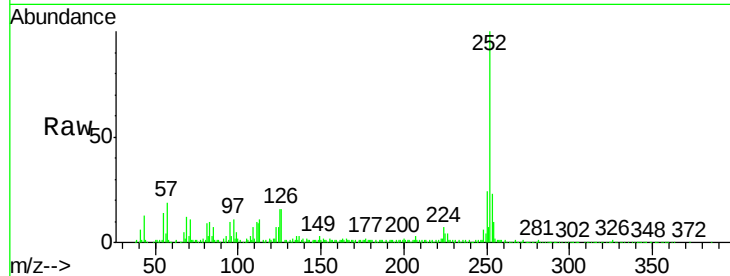




#88
Benzo(k)fluoranthene
Concen: 11.26 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.11 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

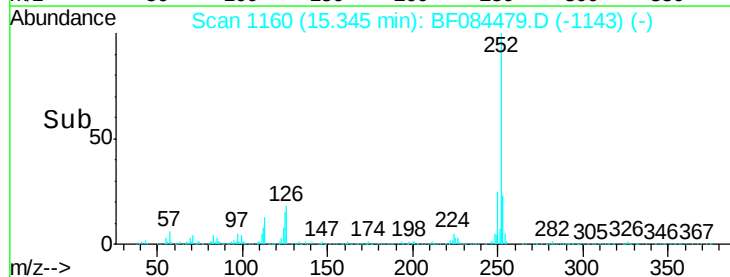
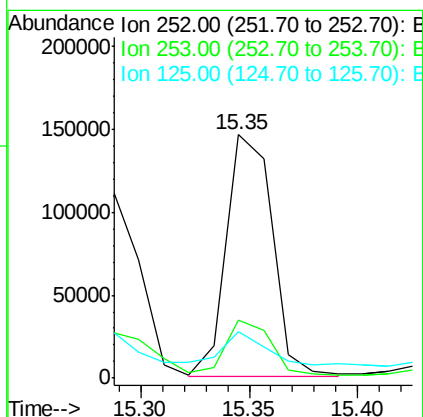
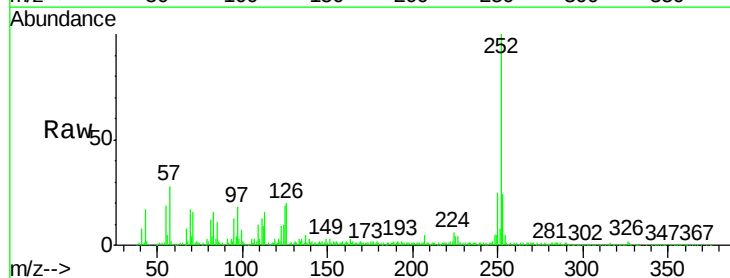
Instrument :
BNA_F
ClientSampleId :
POST-EX-2-20160108

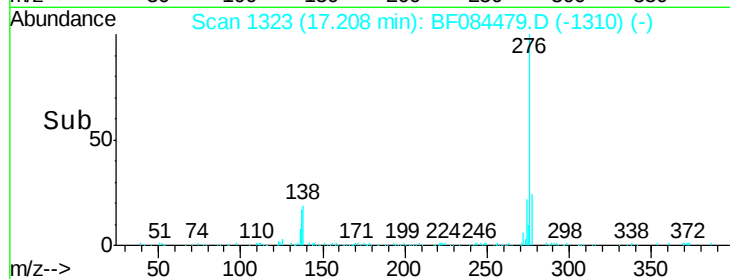
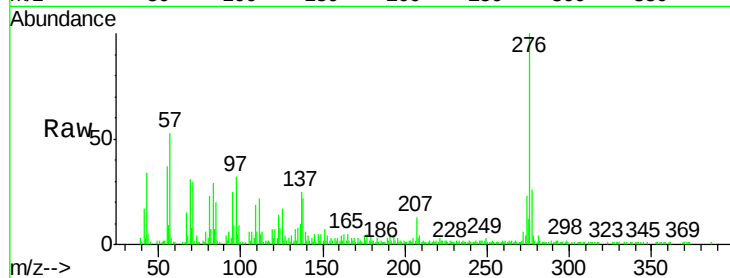
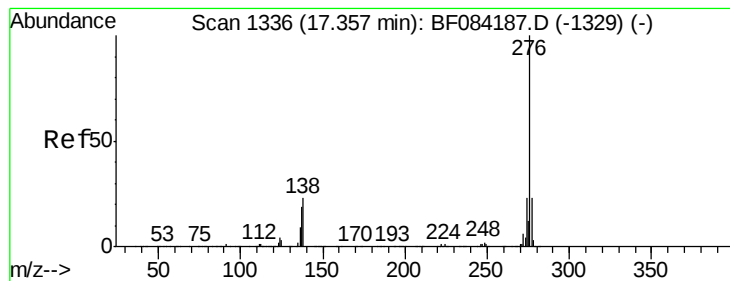
Tot Ion:252 Resp: 378396
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 15.7 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 6.12 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.10 min
Lab File: BF084479.D
Acq: 14 Jan 2016 9:40

Tgt Ion:252 Resp: 213156
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 19.2 7.0 10.4#





#91

Benzo(a,h,i)perylene

Concen: 3.46 ng

RT: 17.21 min Scan# 1323

Delta R.T. -0.15 min

Lab File: BF084479.D

Acq: 14 Jan 2016 9:40

Instrument :

BNA_F

ClientSampleId :

POST-EX-2-20160108

Tot Ion: 276 Resp: 107557

Ion Ratio Lower Upper

276 100

277 26.4 18.8 28.2

138 22.2 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

