

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084358.D
 Acq On : 10 Jan 2016 12:06
 Operator : SJ/UM
 Sample : H1043-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 00:16:33 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	6.85	152	258587	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1066555	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	497240	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	910586	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	703812	20.00	ng	-0.05
86) Perylene-d12	15.44	264	504149	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1606349	100.48	ng	-0.02
7) Phenol-d6	6.51	99	2365638	117.82	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1584640	82.69	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	542410	108.05	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	2032873	70.87	ng	-0.04
78) Terphenyl-d14	12.97	244	1893730	60.06	ng	-0.05

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	224475	16.52	ng	# 74
49) Dimethylphthalate	9.62	163	578469	16.27	ng	# 91
54) Dibenzofuran	10.10	168	14818	Below	Cal	# 94
56) 2,4-Dinitrotoluene	9.89	165	63007	6.39	ng	# 22
57) Fluorene	10.44	166	20818	Below	Cal	97
64) 4,6-Dinitro-2-methylphenol	10.68	198	1104	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	31580	3.22	ng	# 1
70) Phenanthrene	11.40	178	335835	7.05	ng	99
73) Di-n-butylphthalate	11.94	149	7941	Below	Cal	# 85
74) Fluoranthene	12.59	202	467361	9.39	ng	95
77) Pyrene	12.82	202	396423	7.18	ng	99
80) Benzo(a)anthracene	14.01	228	182693	4.42	ng	100
82) Chrysene	14.01	228	182693	4.60	ng	96
87) Benzo(b)fluoranthene	15.03	252	213477	6.47	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	213477	7.91	ng	98
89) Benzo(a)pyrene	15.38	252	106799	3.82	ng	98
91) Benzo(a,h,i)perylene	17.24	276	60300	2.42	ng	99

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

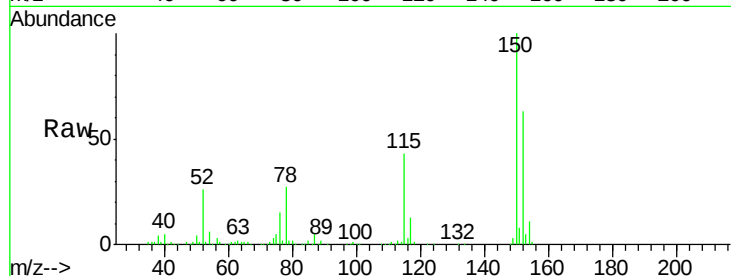


#1

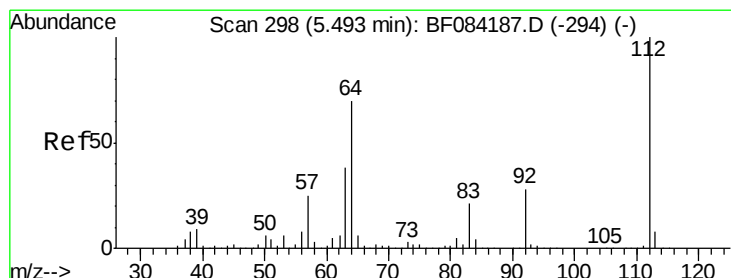
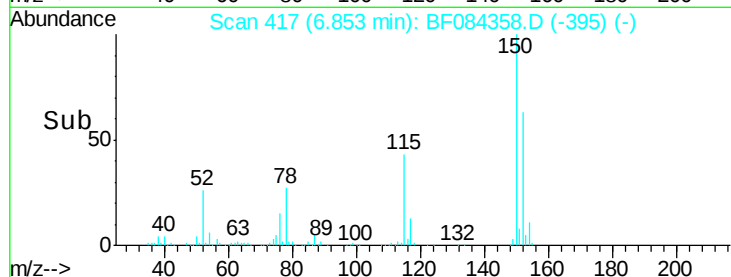
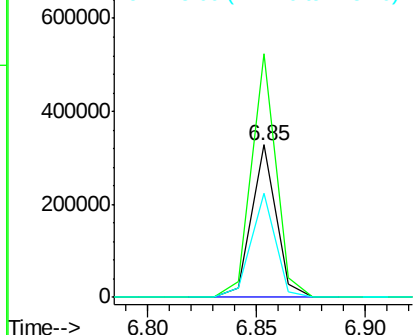
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.0	184.4
115	68.3	51.4	77.2



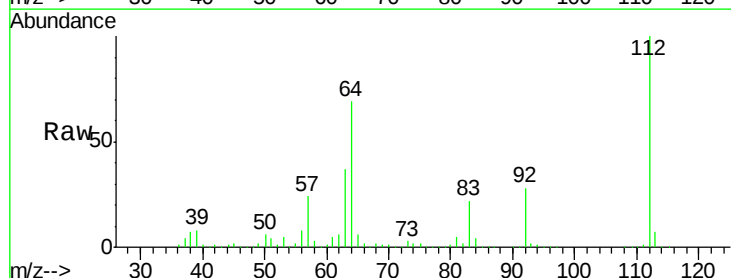
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



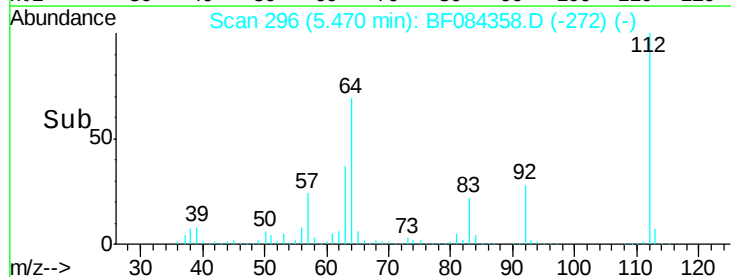
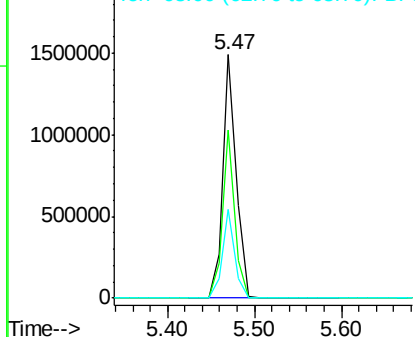
#5

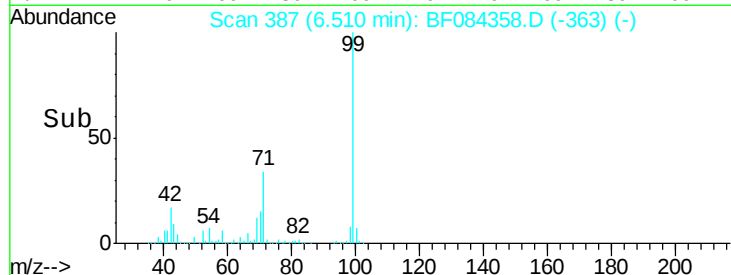
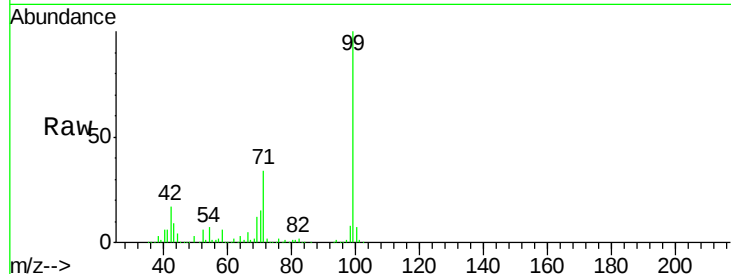
2-Fluorophenol
Concen: 100.48 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.02 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	36.6	55.0#
63	36.7	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: 117.82 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

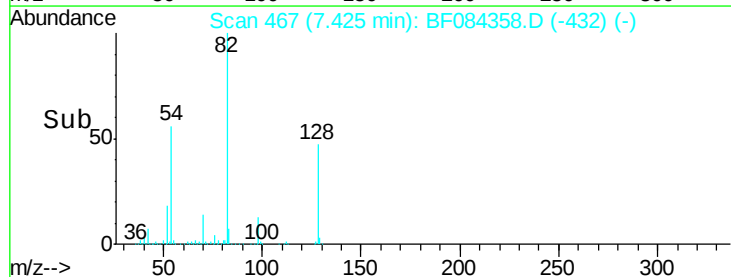
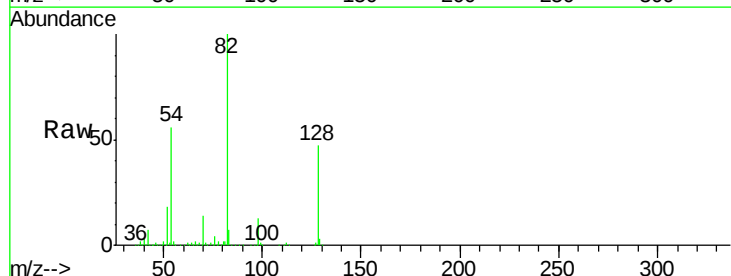
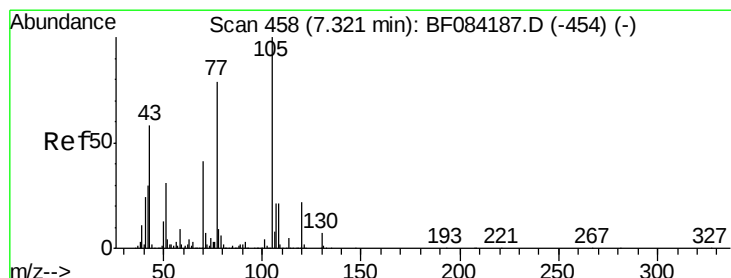
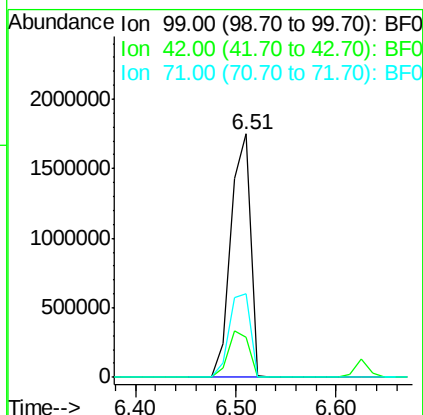
Tot Ion: 99 Resp: 2365638

Ion Ratio Lower Upper

99 100

42 16.6 12.8 19.2

71 34.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.52 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Tgt Ion: 70 Resp: 224475

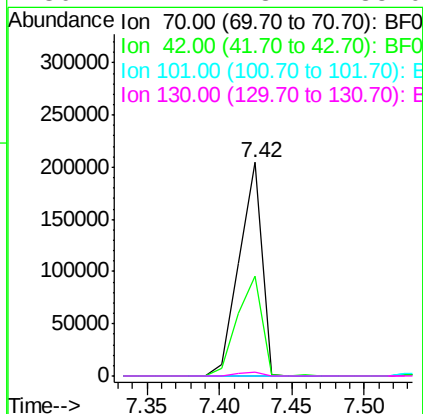
Ion Ratio Lower Upper

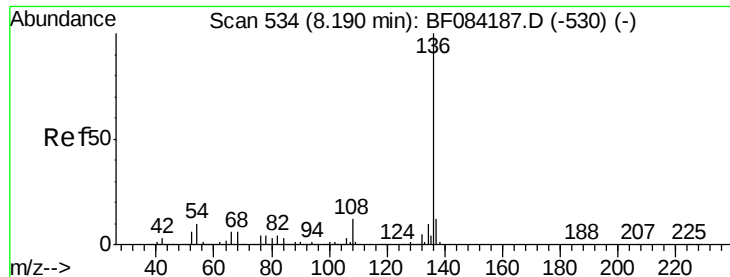
70 100

42 46.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

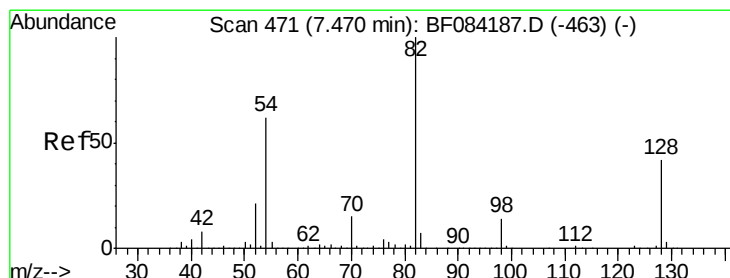
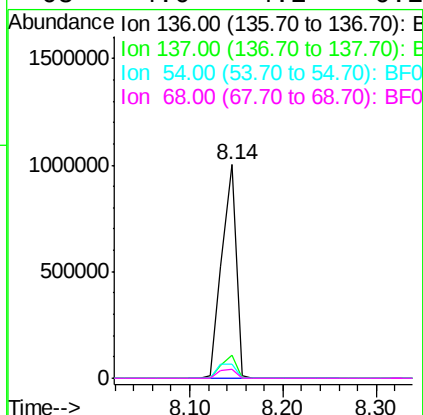
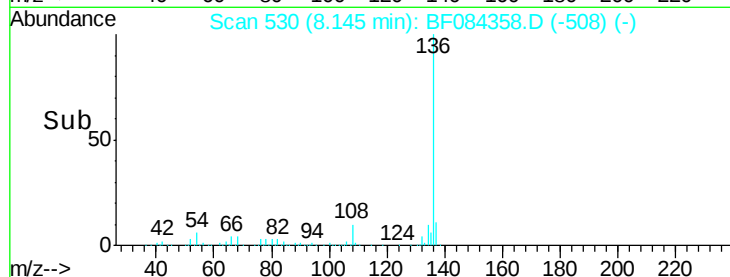
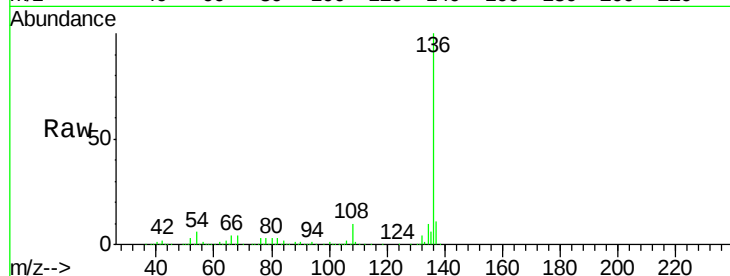




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

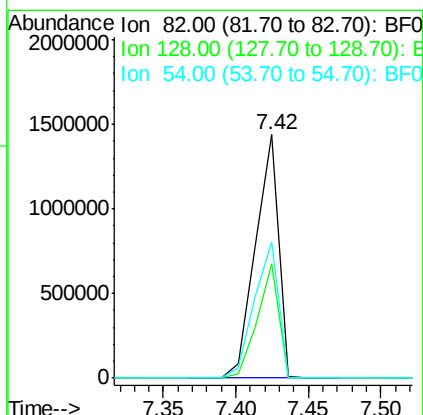
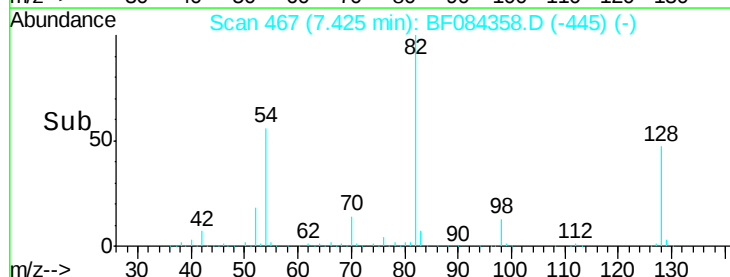
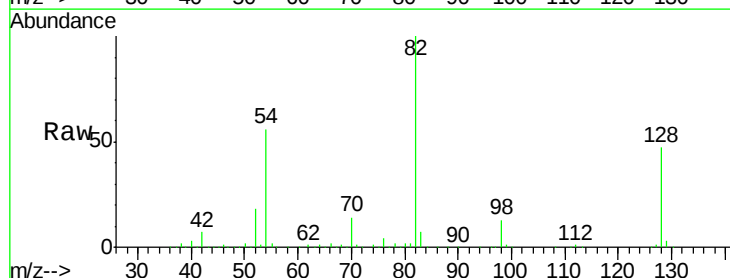
Instrument :
BNA_F
ClientSampleId :

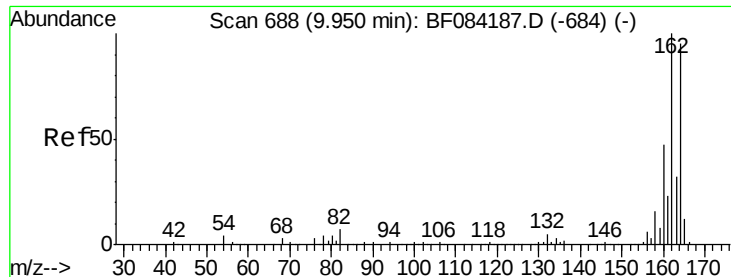
Tot Ion:136 Resp: 1066555
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.5 5.8 8.8
68 4.0 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 82.69 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion: 82 Resp: 1584640
Ion Ratio Lower Upper
82 100
128 46.8 34.6 51.8
54 56.1 38.4 57.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

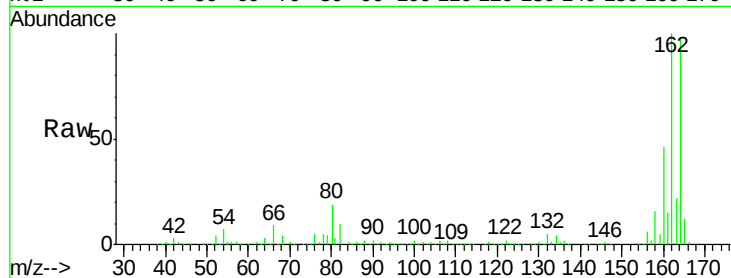
Tot Ion:164 Resp: 497240

Ion Ratio Lower Upper

164 100

162 102.0 85.1 127.7

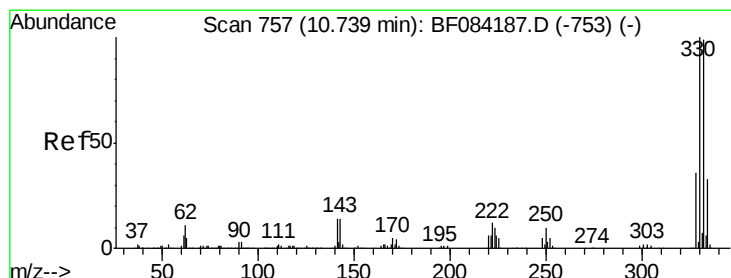
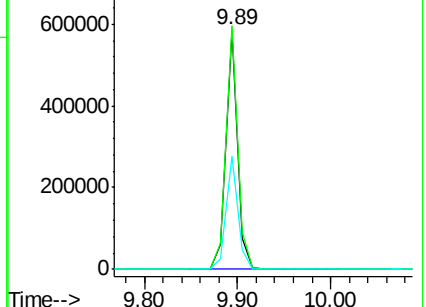
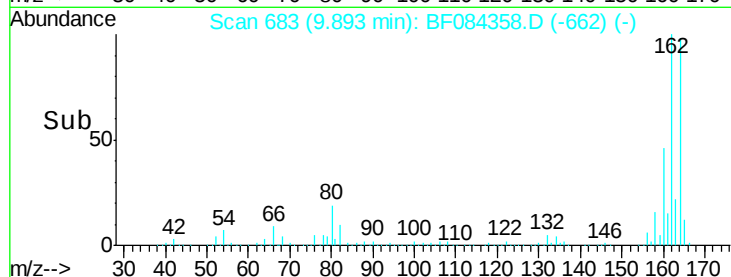
160 47.4 37.5 56.3



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: 108.05 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.06 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

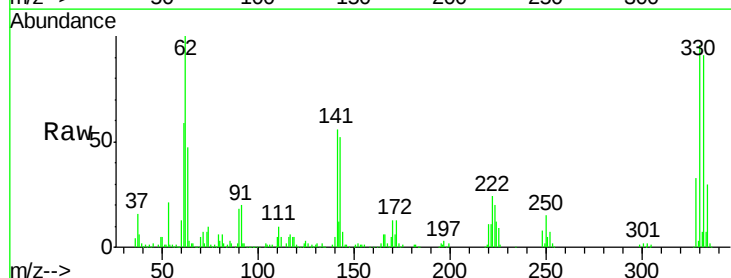
Tgt Ion:330 Resp: 542410

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

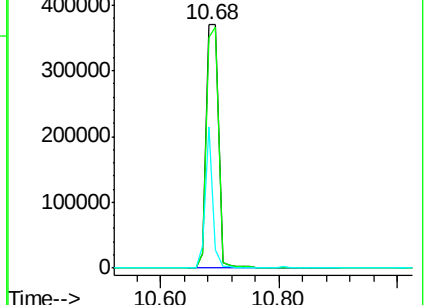
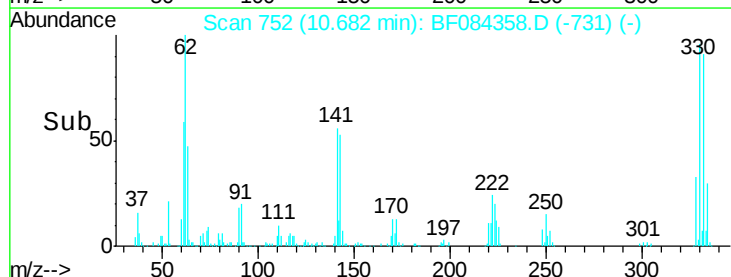
141 35.6 27.8 41.6

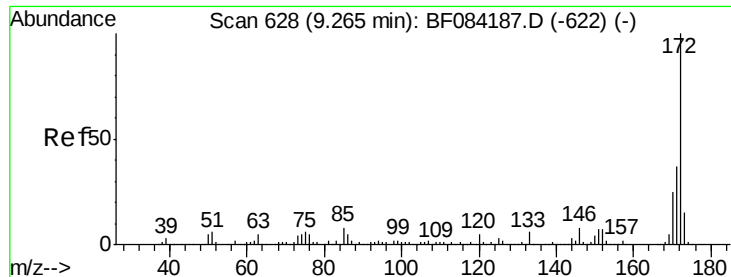


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



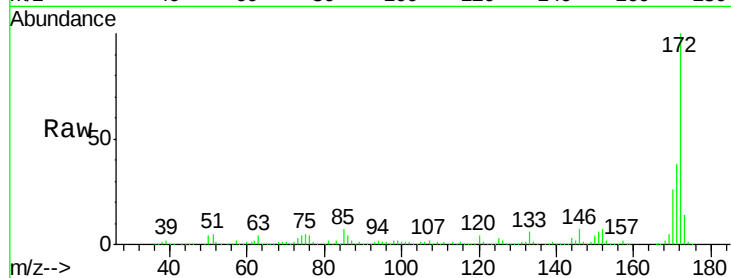


#44
 2-Fluorobiphenyl
 Concen: 70.87 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

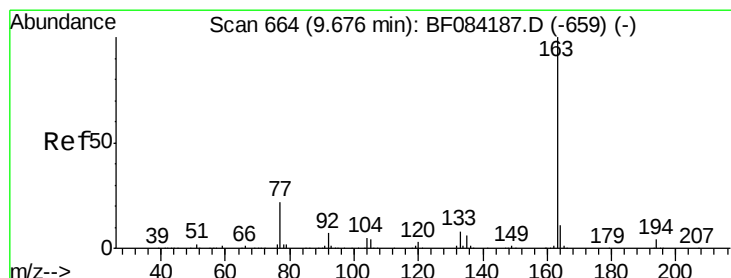
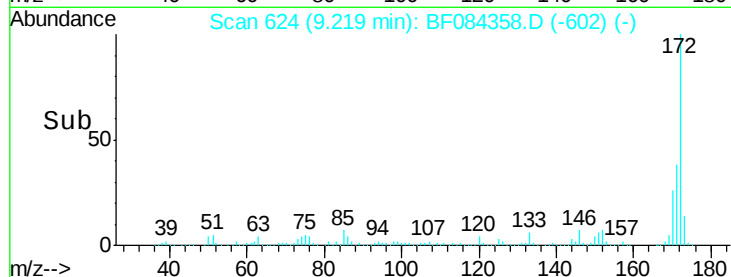
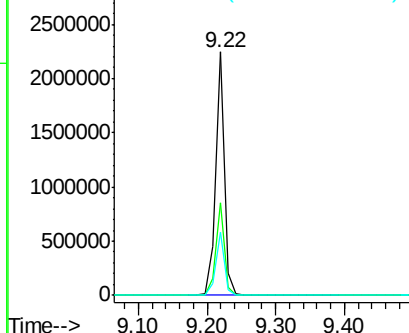
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2032873

Ion	Ratio	Lower	Upper
172	100		
171	38.2	28.9	43.3
170	25.9	18.6	27.8



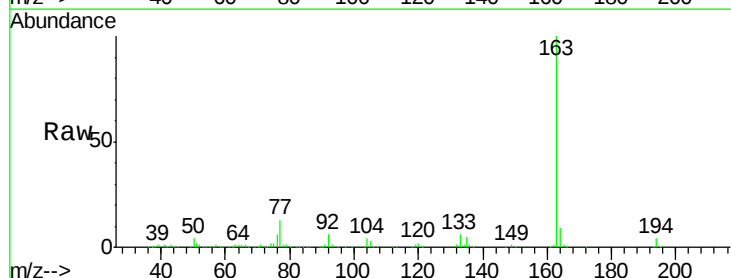
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



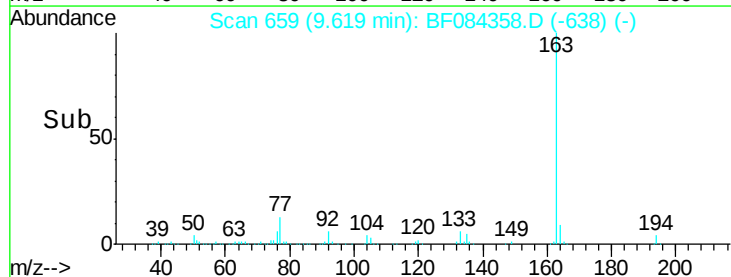
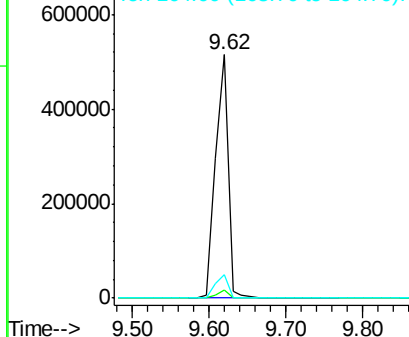
#49
 Dimethylphthalate
 Concen: 16.27 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.06 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

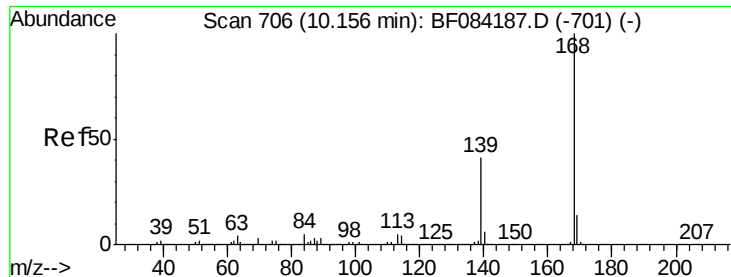
Tgt Ion:163 Resp: 578469

Ion	Ratio	Lower	Upper
163	100		
194	3.6	8.0	12.0#
164	9.5	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





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

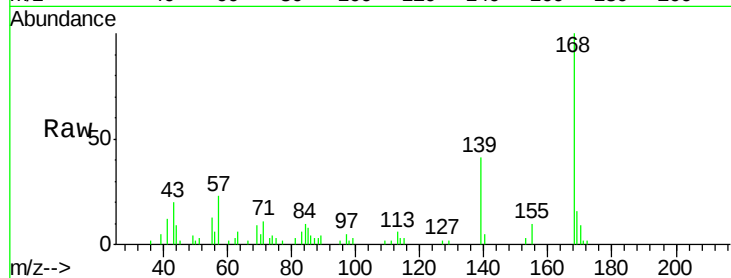
Tot Ion:168 Resp: 14818

Ion Ratio Lower Upper

168 100

139 40.9 30.5 45.7

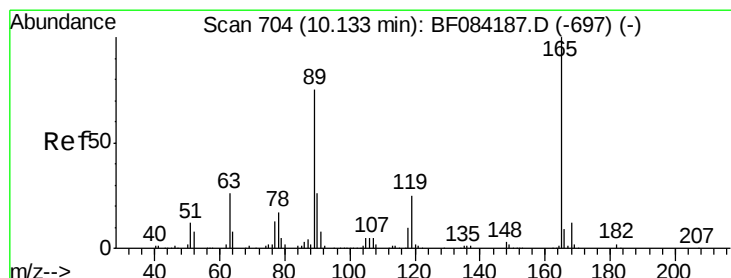
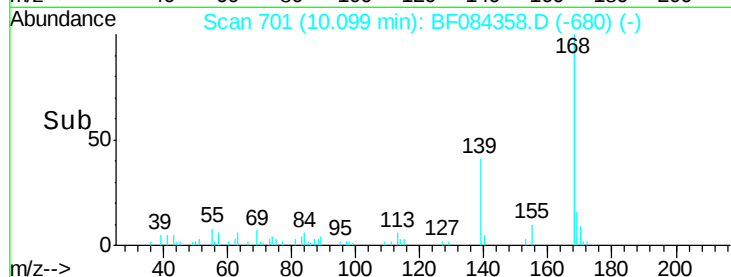
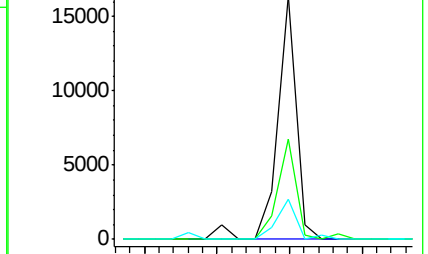
169 16.4 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.39 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Tgt Ion:165 Resp: 63007

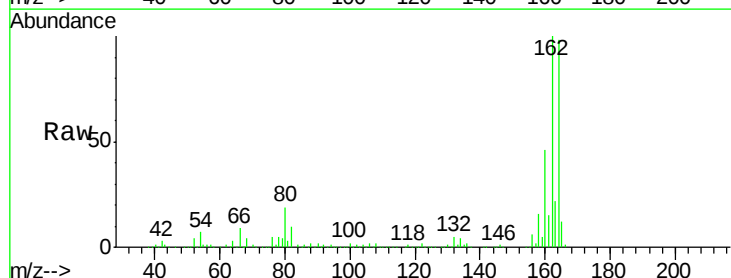
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 2.2 61.9 92.9#

182 0.0 2.0 3.0#

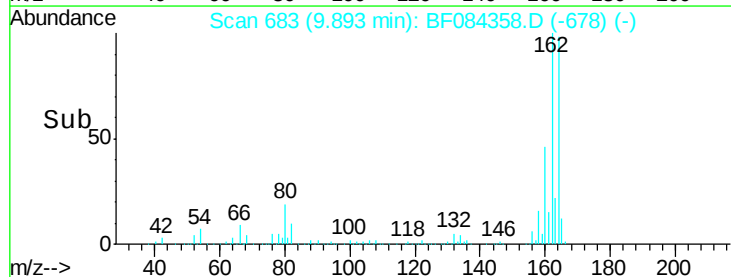
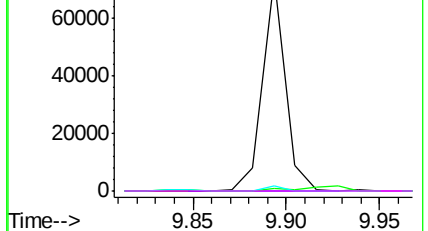


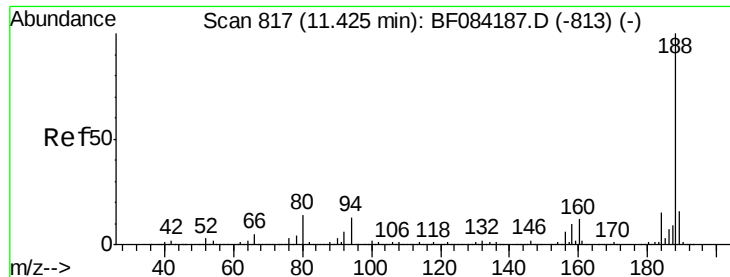
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

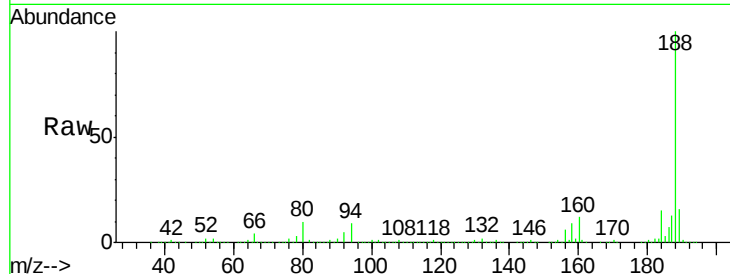




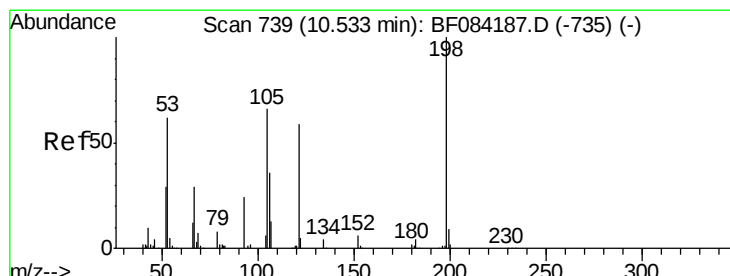
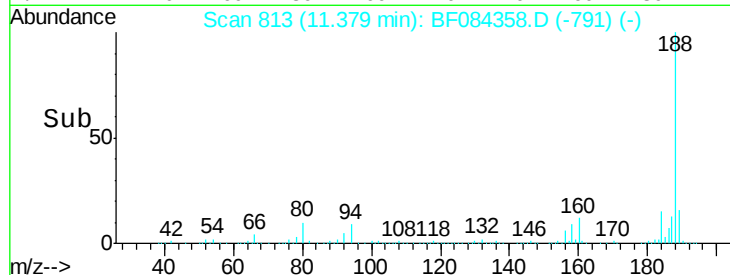
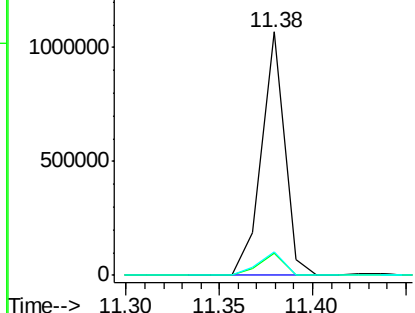
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 910586
Ion Ratio Lower Upper
188 100
94 8.9 9.0 13.4#
80 9.6 9.6 14.4#

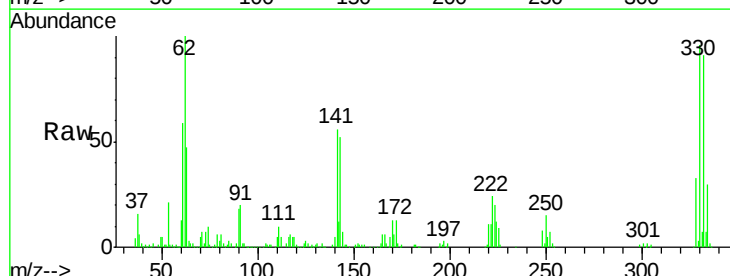


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

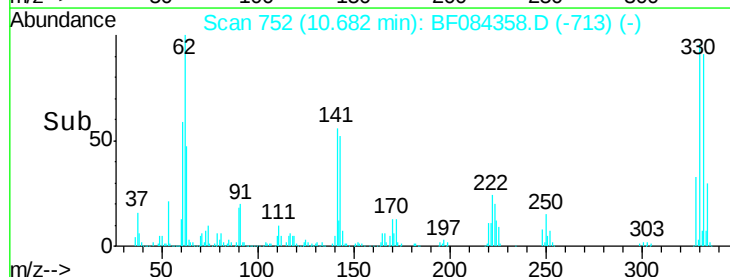
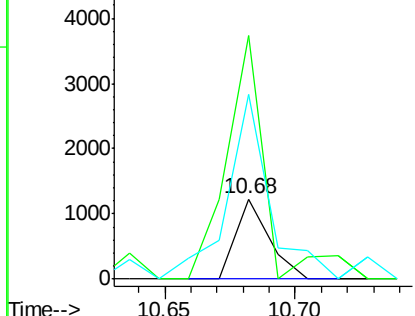


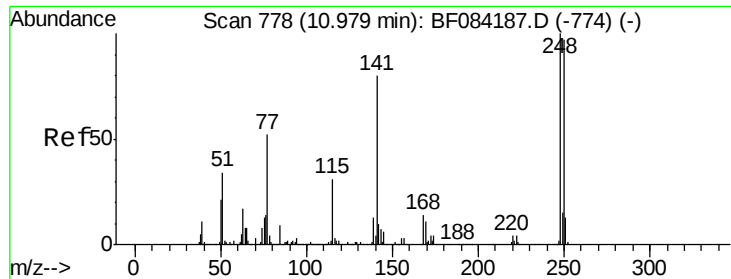
#64
4,6-Dinitro-2-methylphenol
Concen: 6.57 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.15 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion:198 Resp: 1104
Ion Ratio Lower Upper
198 100
51 303.5 18.9 58.9#
105 230.5 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

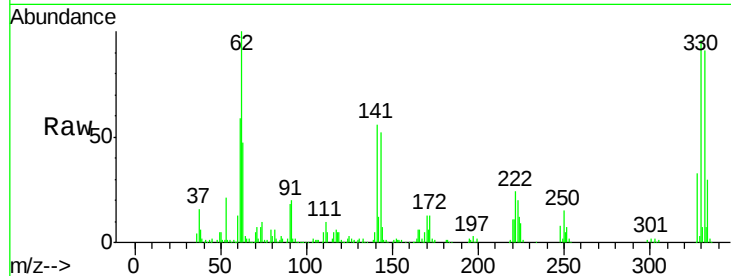




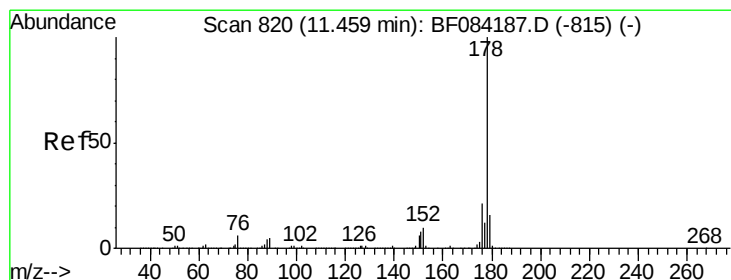
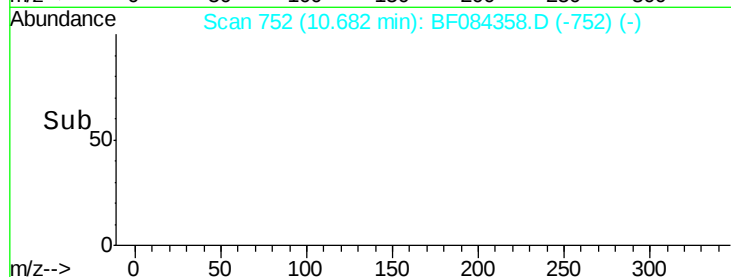
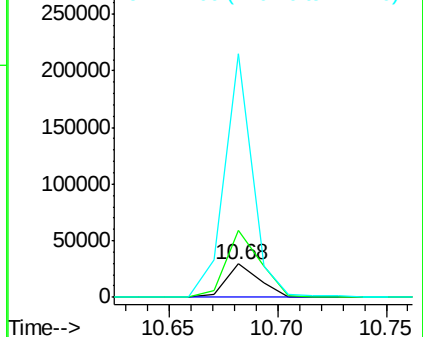
#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.30 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 31580
Ion Ratio Lower Upper
248 100
250 202.0 78.4 117.6#
141 736.0 44.0 66.0#

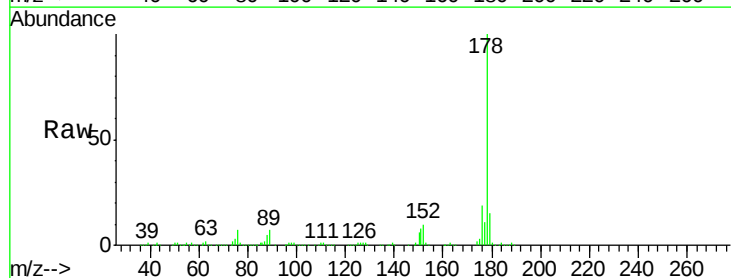


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

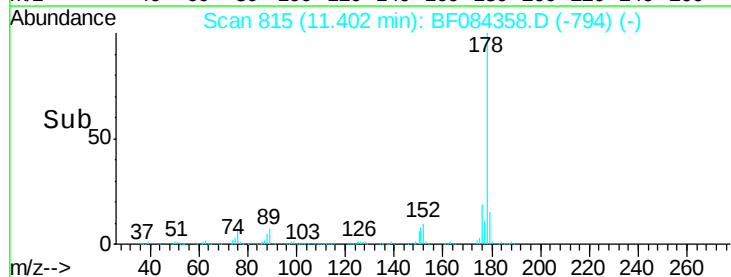
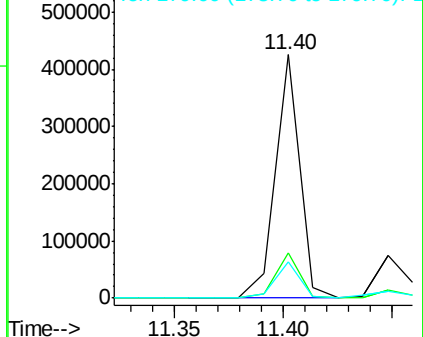


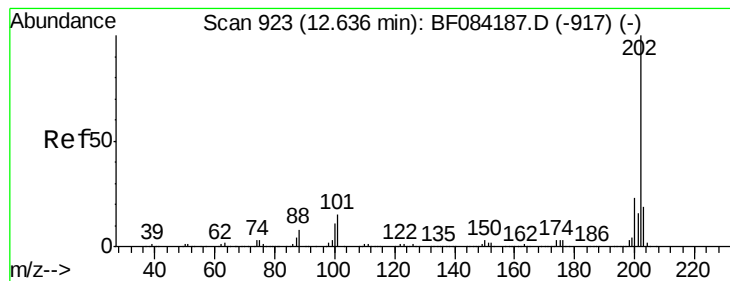
#70
Phenanthrene
Concen: 7.05 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.06 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion:178 Resp: 335835
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 14.9 12.0 18.0



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





#74

Fluoranthene

Concen: 9.39 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

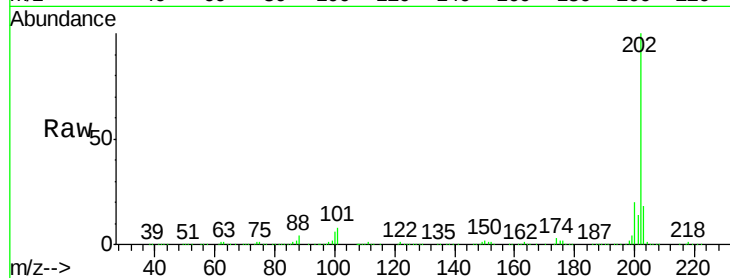
Tot Ion:202 Resp: 467361

Ion Ratio Lower Upper

202 100

101 8.2 0.0 32.8

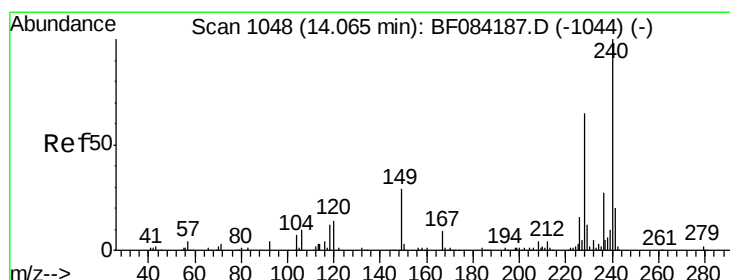
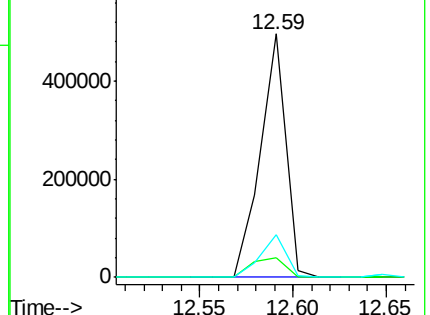
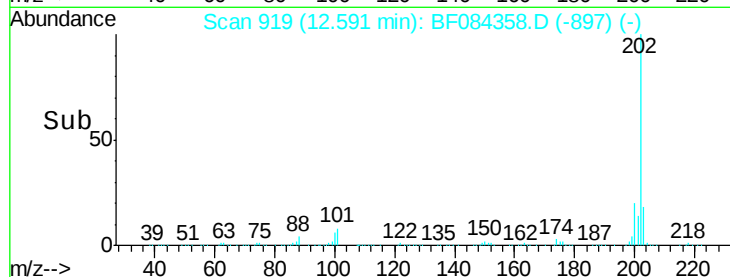
203 17.6 0.0 37.9



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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

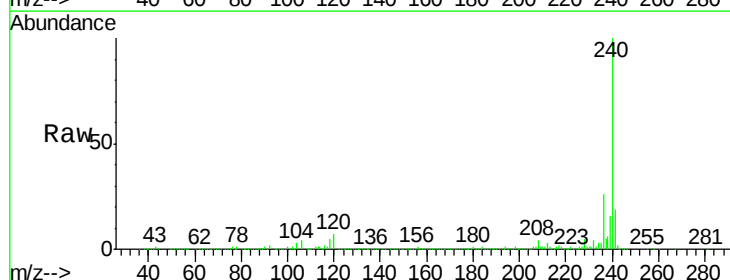
Tgt Ion:240 Resp: 703812

Ion Ratio Lower Upper

240 100

120 6.5 9.5 14.3#

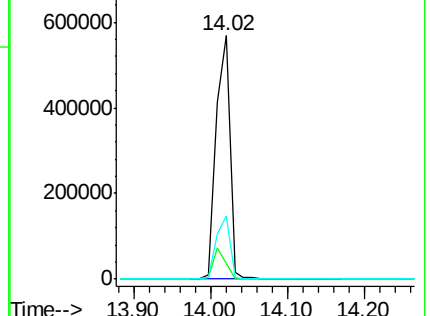
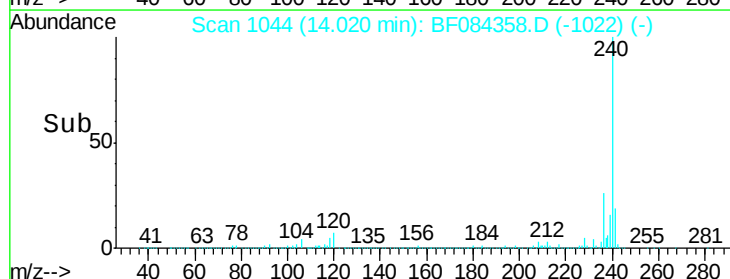
236 25.8 20.6 31.0

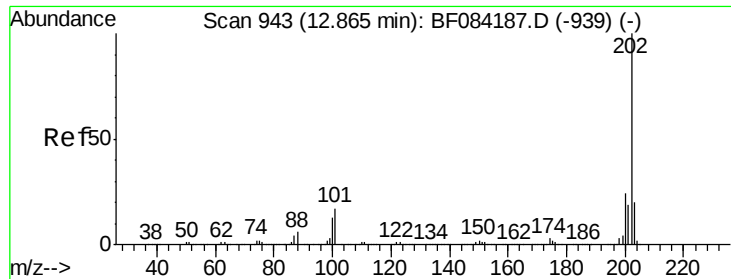


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.18 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

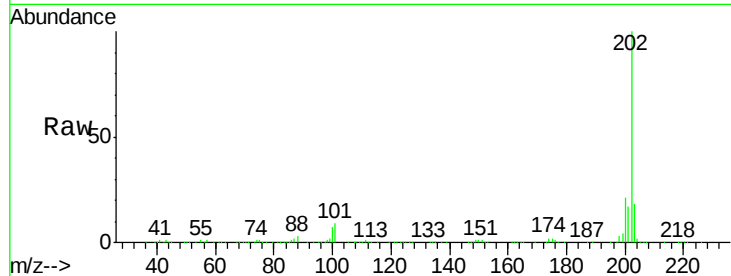
Tot Ion:202 Resp: 396423

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

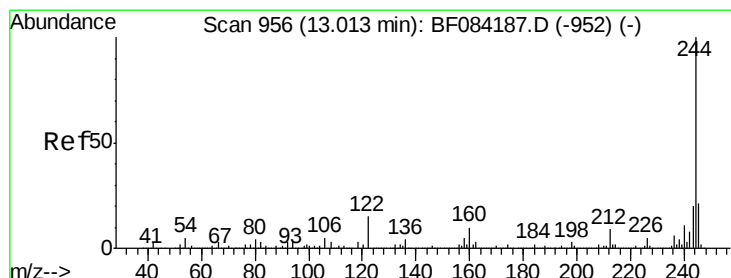
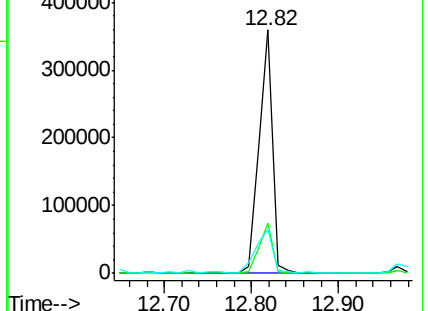
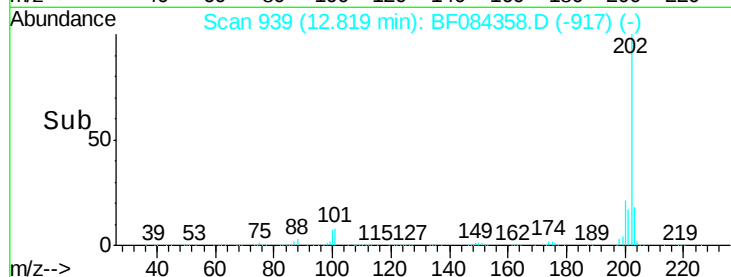
203 17.8 14.3 21.5



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: 60.06 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

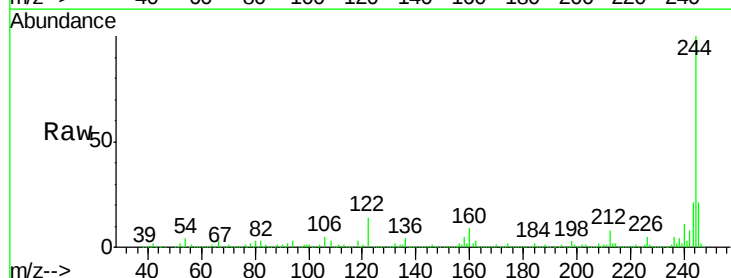
Tgt Ion:244 Resp: 1893730

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

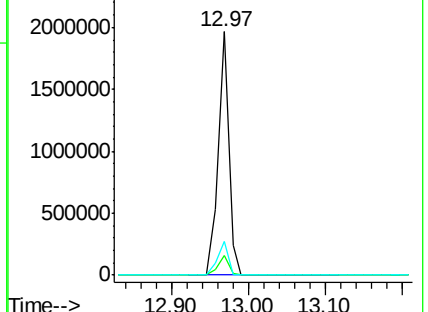
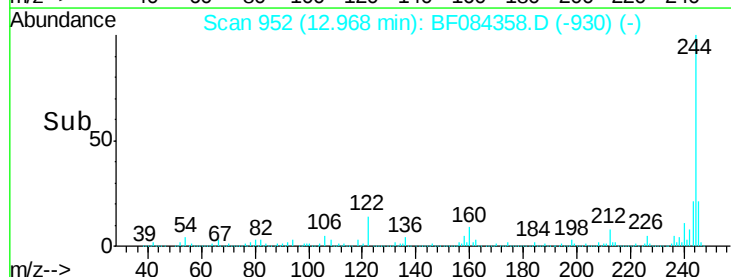
122 13.7 7.4 11.0#

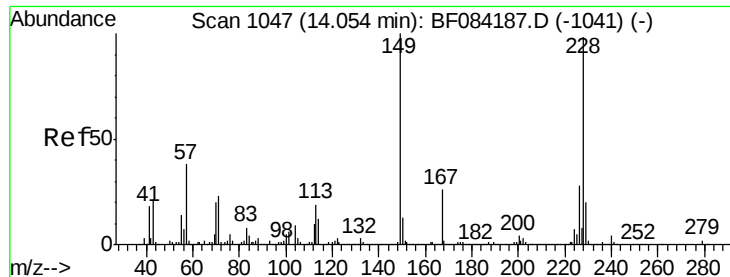


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

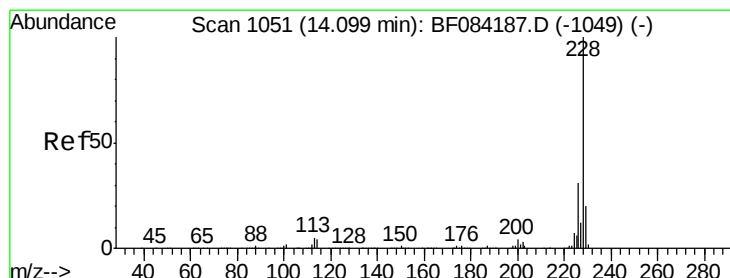
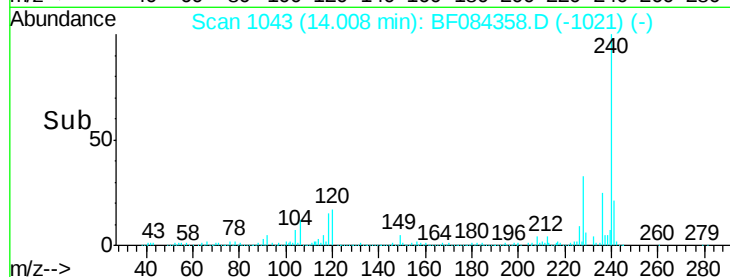
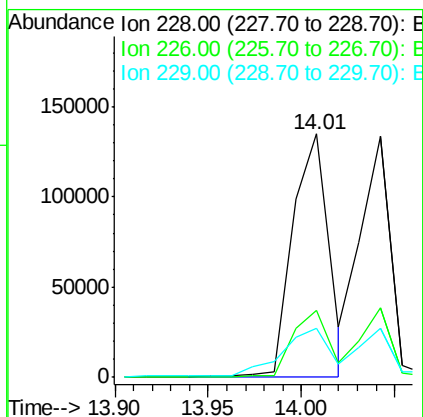
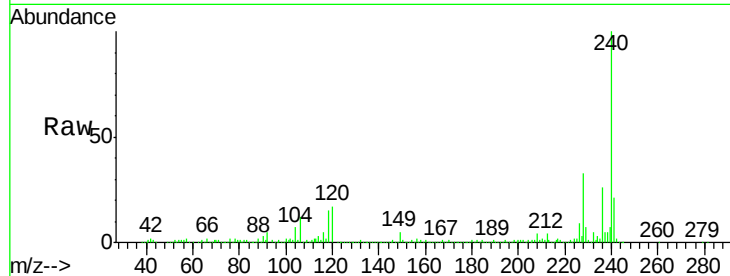




#80
Benzo(a)anthracene
Concen: 4.42 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.05 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

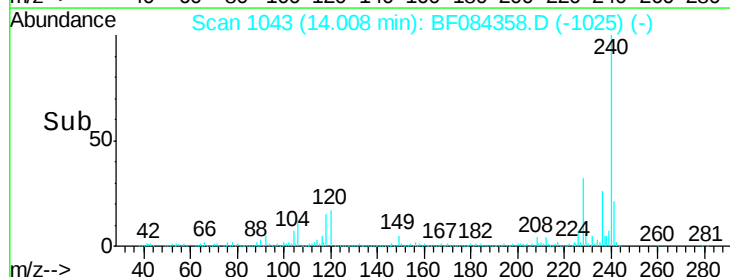
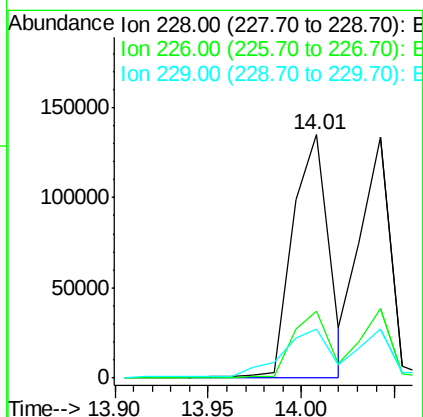
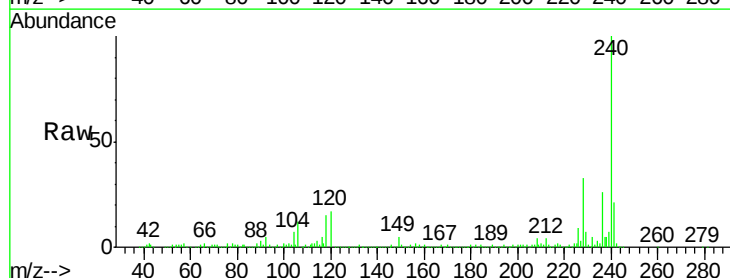
Instrument :
BNA_F
ClientSampleId :

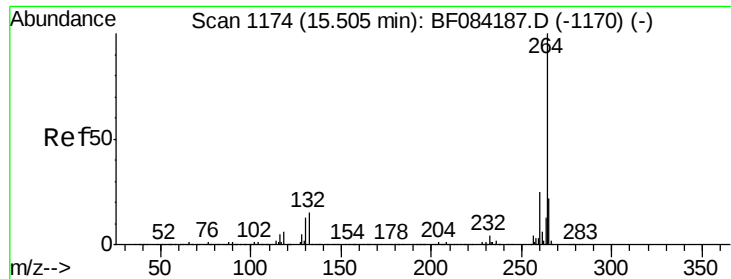
Tot Ion:228 Resp: 182693
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.6
229 20.2 15.8 23.8



#82
Chrysene
Concen: 4.60 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.09 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion:228 Resp: 182693
Ion Ratio Lower Upper
228 100
226 27.3 24.3 36.5
229 20.2 16.1 24.1

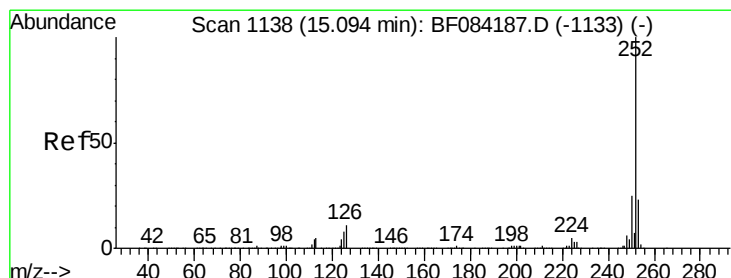
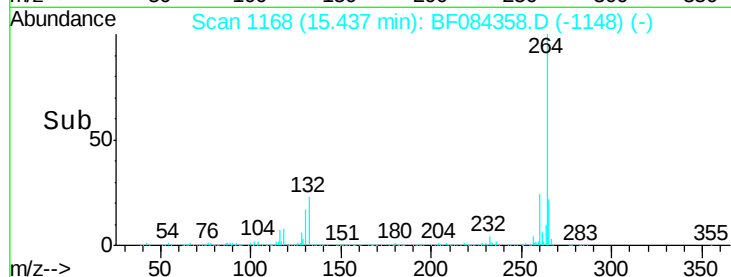
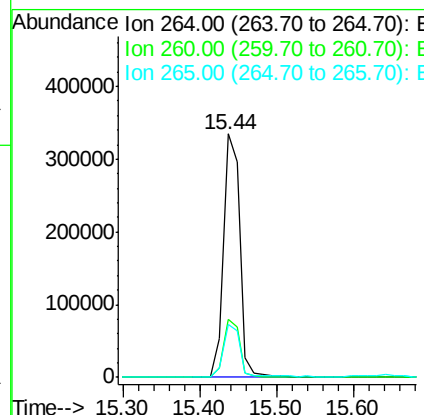
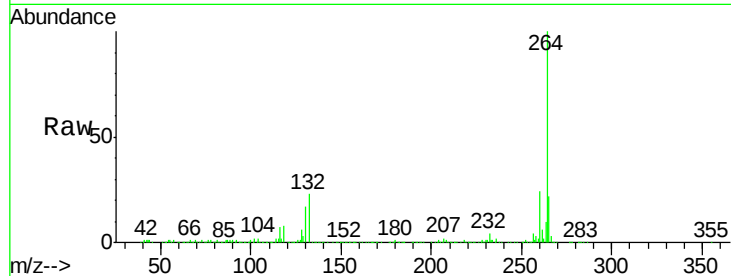




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

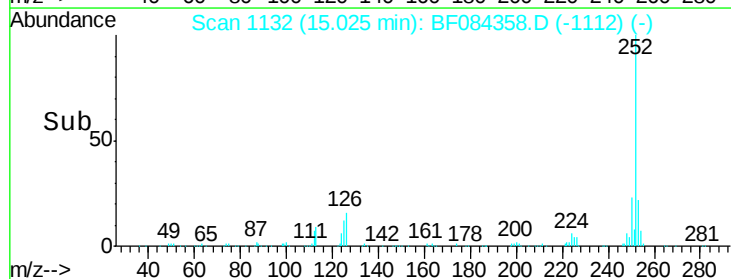
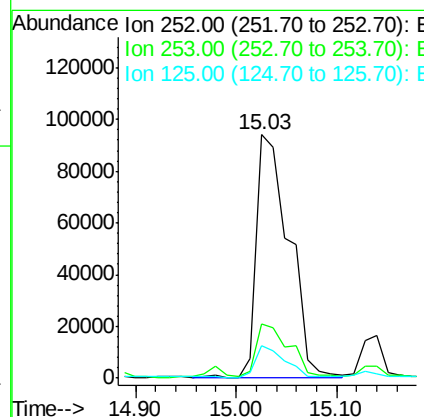
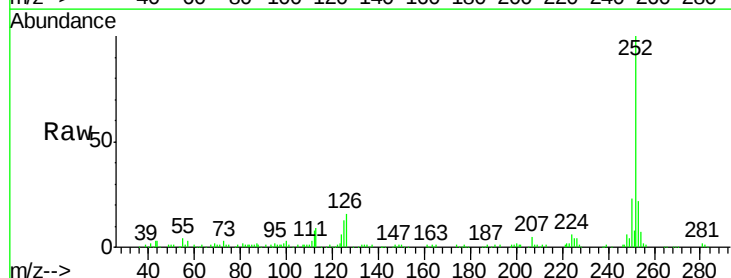
Instrument :
BNA_F
ClientSampleId :

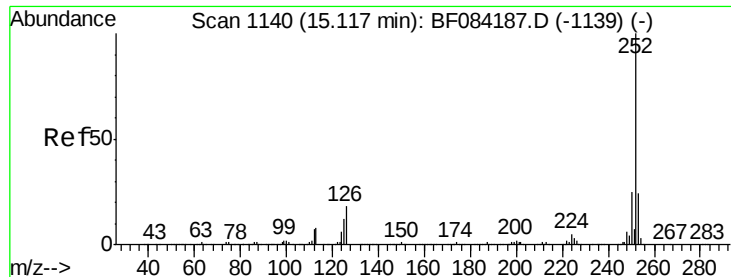
Tot Ion:264 Resp: 504149
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.6 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 6.47 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.07 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion:252 Resp: 213477
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 13.1 6.5 9.7#

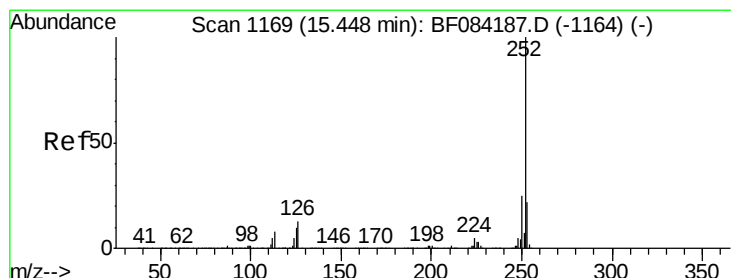
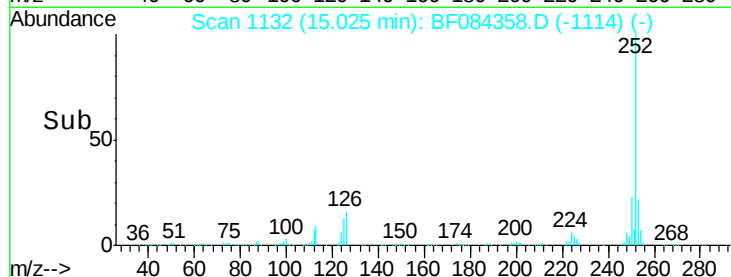
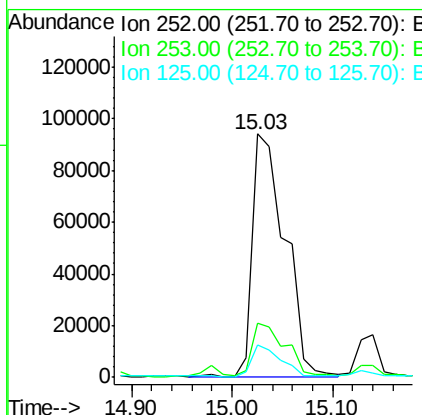
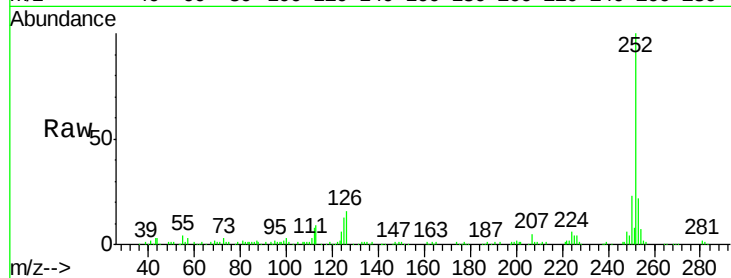




#88
Benzo(k)fluoranthene
Concen: 7.91 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.09 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

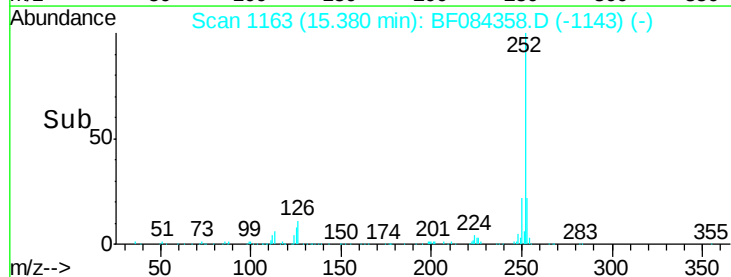
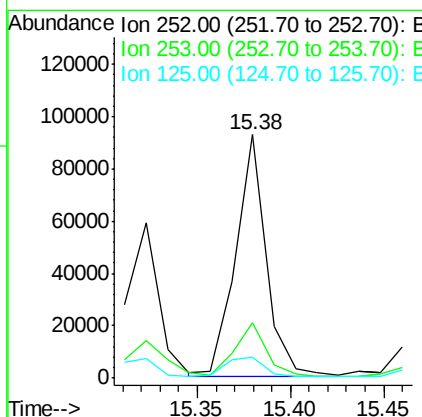
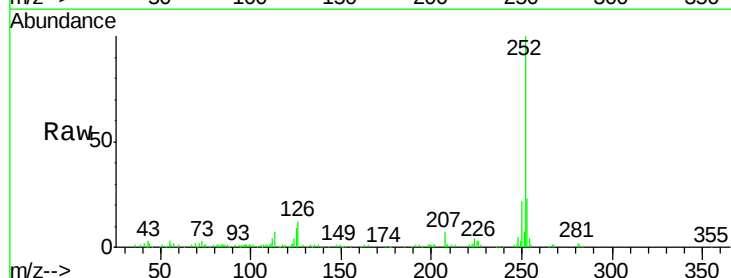
Instrument :
BNA_F
ClientSampleId :

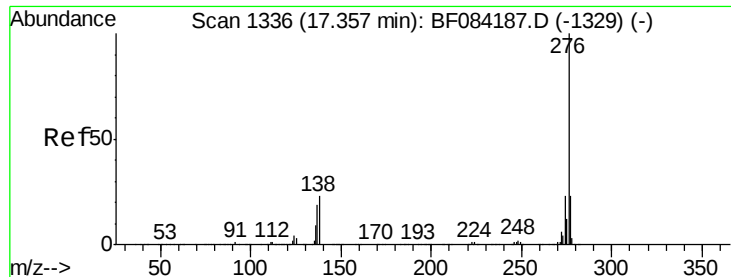
Tot Ion:252 Resp: 213477
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 13.1 9.0 13.6



#89
Benzo(a)pyrene
Concen: 3.82 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.07 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion:252 Resp: 106799
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 8.5 7.0 10.4

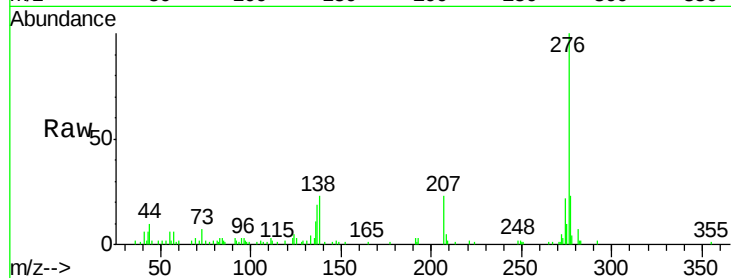




#91
 Benzo(a,h,i)perylene
 Concen: 2.42 ng
 RT: 17.24 min Scan# 1326
 Delta R.T. -0.11 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	22.7	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

