

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101915\
 Data File : BF082379.D
 Acq On : 20 Oct 2015 3:36
 Operator : UM/IZ
 Sample : G4040-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05

Quant Time: Oct 20 07:44:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	95995	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	355401	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	175465	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	295904	20.00	ng	-0.03
75) Chrysene-d12	14.01	240	217832	20.00	ng	0.00
86) Perylene-d12	15.51	264	196496	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	727201	152.89	ng	-0.02
7) Phenol-d6	6.45	99	832165	134.44	ng	-0.03
23) Nitrobenzene-d5	7.37	82	520611	98.37	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	188103	114.31	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	1116211	105.50	ng	-0.03
78) Terphenyl-d14	12.94	244	856358	104.18	ng	-0.02

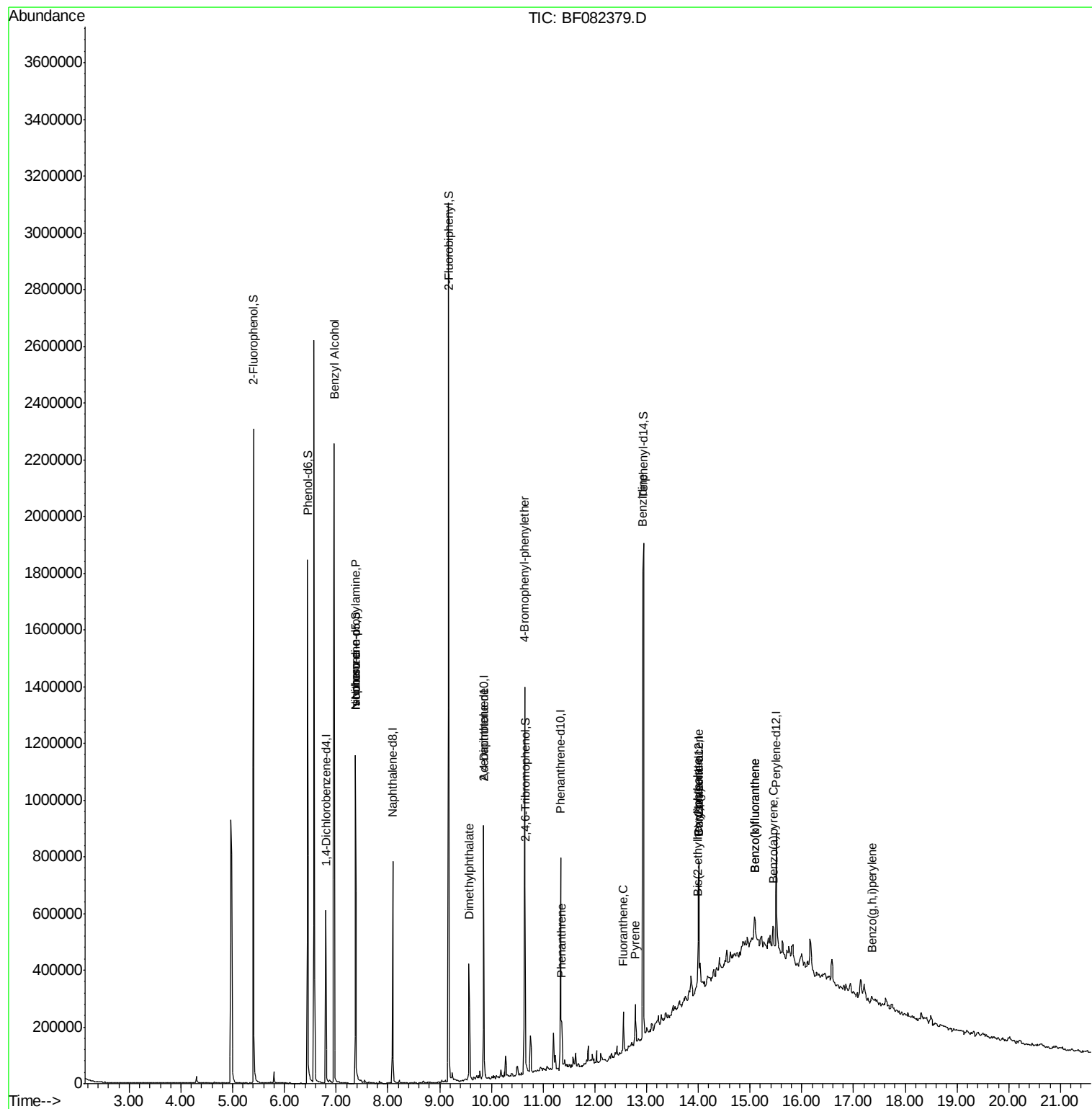
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.96	79	9848	2.30	ng	# 49
19) n-Nitroso-di-n-propylamine	7.37	70	68443	15.75	ng	# 80
25) Isophorone	7.37	82	467212	43.74	ng	# 66
49) Dimethylphthalate	9.57	163	229393	18.57	ng	99
55) 4-Nitrophenol	10.06	139	715	Below Cal		# 42
56) 2,4-Dinitrotoluene	9.85	165	22490	6.90	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	13377	4.52	ng	# 1
70) Phenanthrene	11.36	178	58512	4.03	ng	99
74) Fluoranthene	12.55	202	81709	5.25	ng	96
76) Benzidine	12.93	184	12678	2.01	ng	# 86
77) Pyrene	12.78	202	77975	6.03	ng	99
80) Benzo(a)anthracene	14.00	228	46209	4.08	ng	# 90
82) Chrysene	14.00	228	46209	3.87	ng	# 93
83) Bis(2-ethylhexyl)phthalate	13.99	149	36901	4.38	ng	98
87) Benzo(b)fluoranthene	15.09	252	58776	4.92	ng	# 76
88) Benzo(k)fluoranthene	15.09	252	58776	5.85	ng	# 75
89) Benzo(a)pyrene	15.45	252	30636	2.98	ng	# 74
91) Benzo(g,h,i)perylene	17.36	276	17815	2.18	ng	# 84

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101915\
Data File : BF082379.D
Acq On : 20 Oct 2015 3:36
Operator : UM/IZ
Sample : G4040-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Quant Time: Oct 20 07:44:59 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

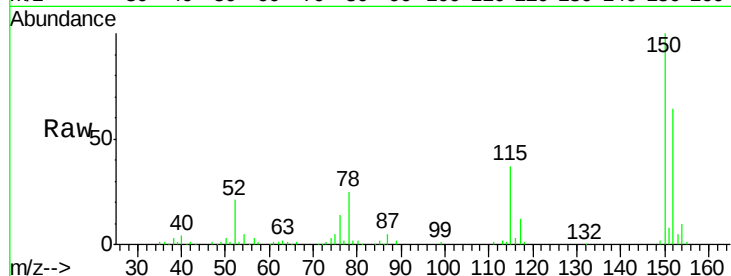
Tgt Ion:152 Resp: 95995

Ion Ratio Lower Upper

152 100

150 157.0 129.0 193.4

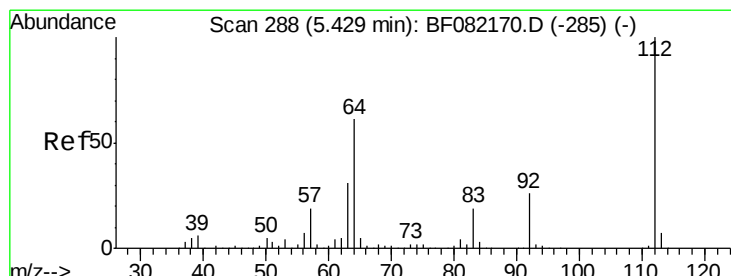
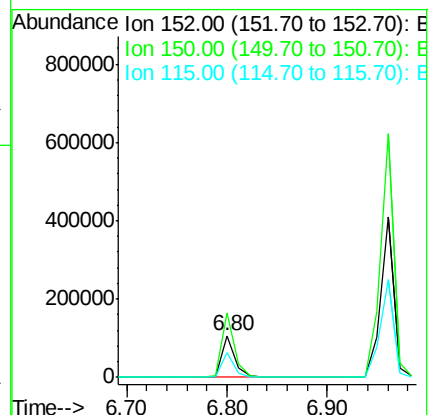
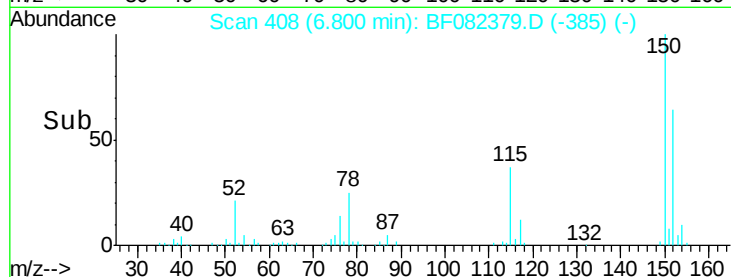
115 58.4 52.1 78.1



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: 152.89 ng

RT: 5.41 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

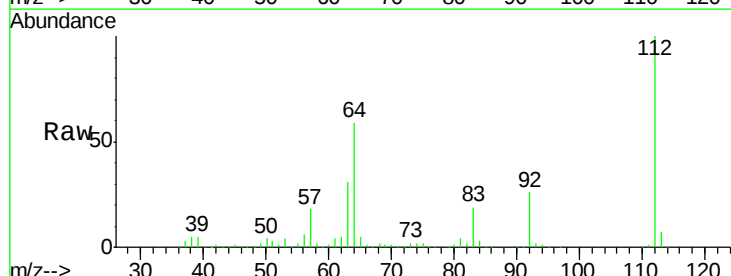
Tgt Ion:112 Resp: 727201

Ion Ratio Lower Upper

112 100

64 59.3 48.6 73.0

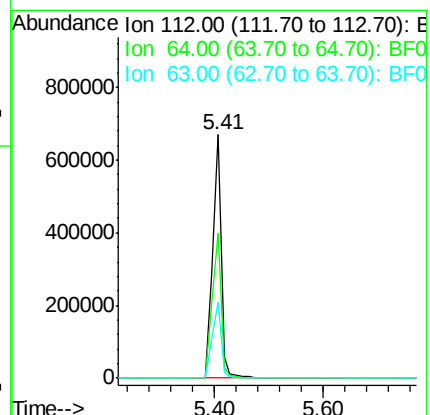
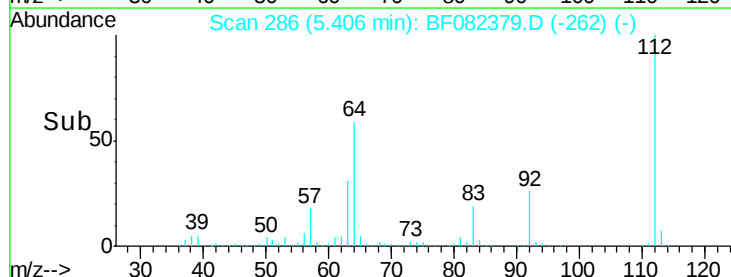
63 31.0 25.1 37.7

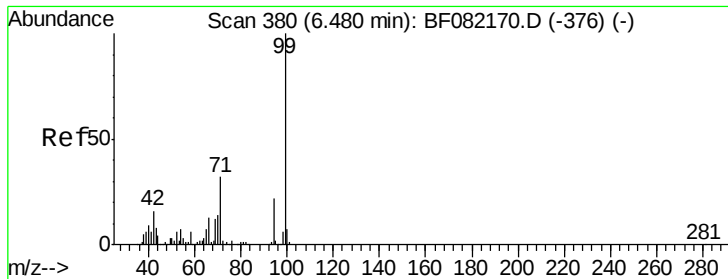


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.44 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

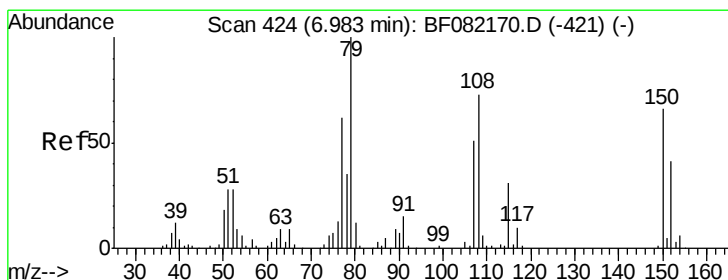
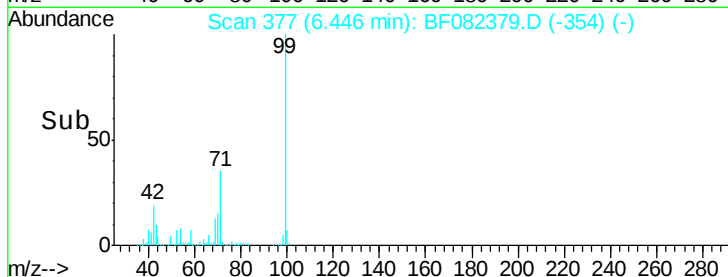
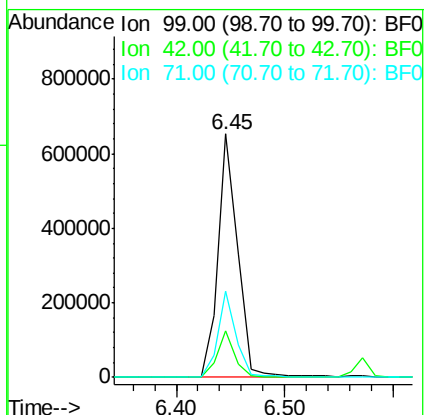
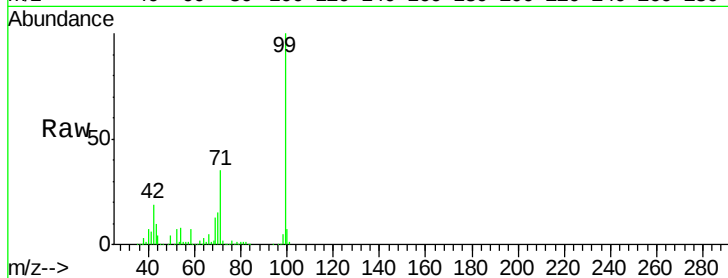
Tgt Ion: 99 Resp: 832165

Ion Ratio Lower Upper

99 100

42 19.0 13.2 19.8

71 35.4 25.6 38.4



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.96 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

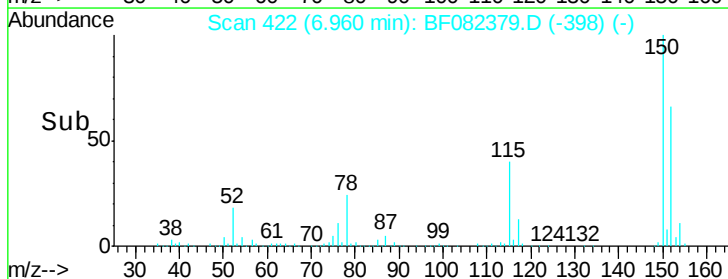
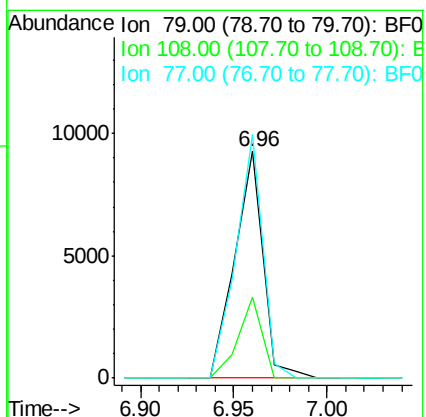
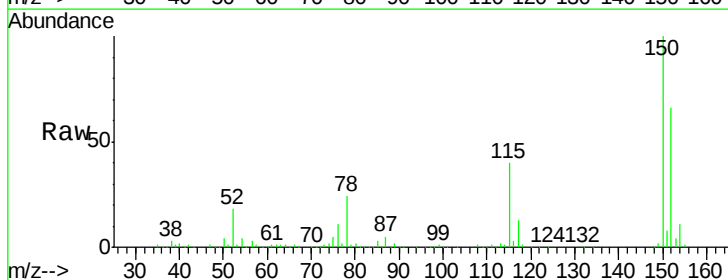
Tgt Ion: 79 Resp: 9848

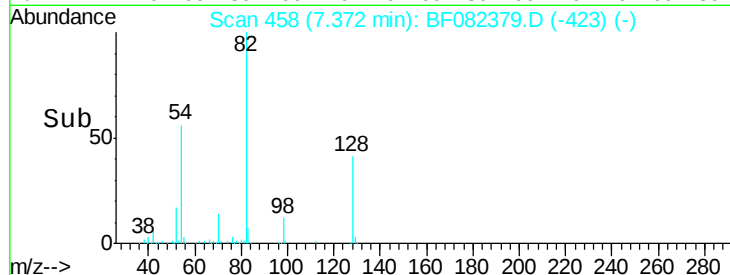
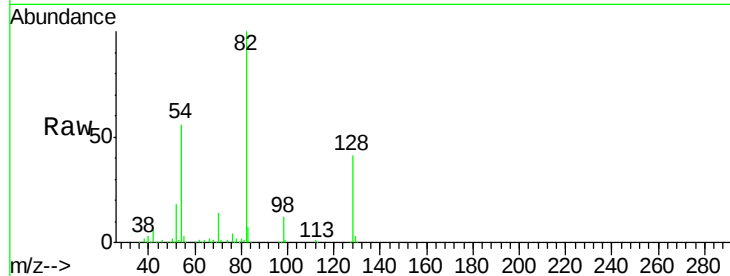
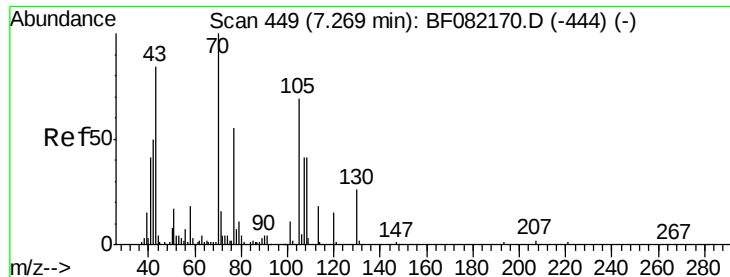
Ion Ratio Lower Upper

79 100

108 35.9 58.4 87.6#

77 107.3 49.8 74.6#

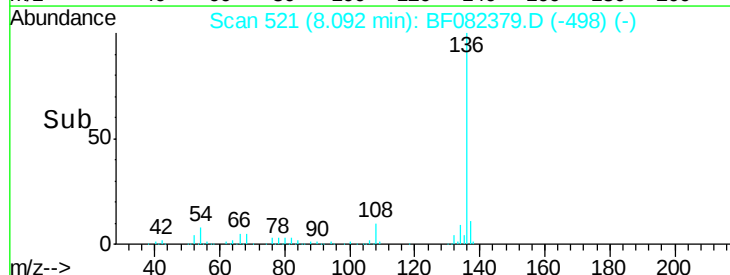
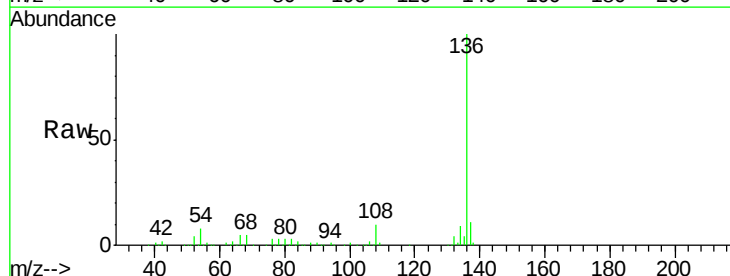
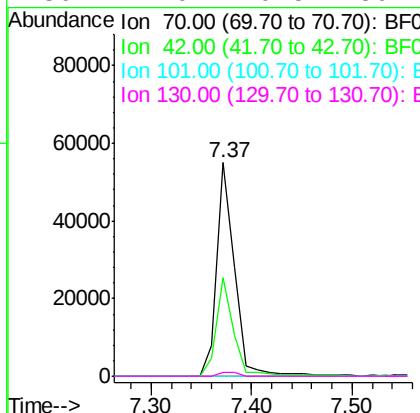




#19
n-Nitroso-di-n-propylamine
Concen: 15.75 ng
RT: 7.37 min Scan# 458
Delta R.T. 0.10 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

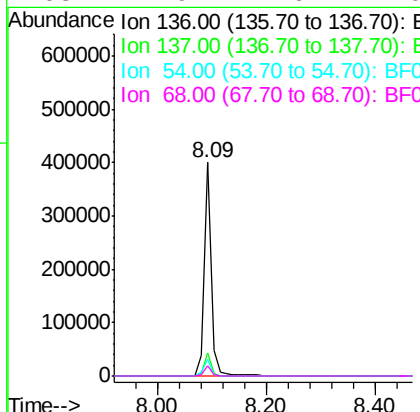
Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

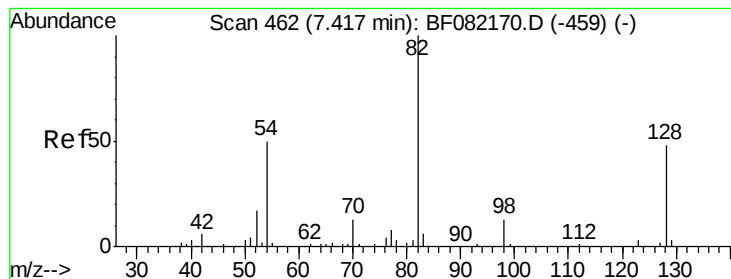
Tgt Ion: 70 Resp: 68443
Ion Ratio Lower Upper
70 100
42 46.3 39.8 59.8
101 0.0 8.6 13.0#
130 2.0 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion: 136 Resp: 355401
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 7.8 7.5 11.3
68 4.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 98.37 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.05 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

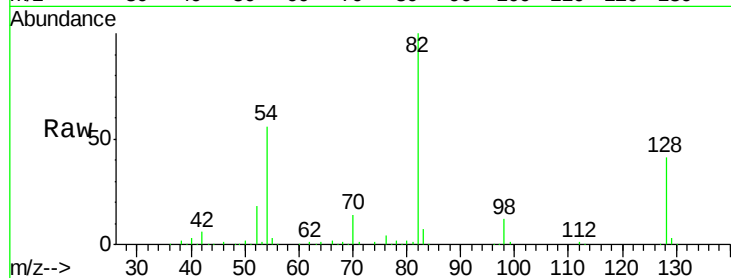
Tgt Ion: 82 Resp: 520611

Ion Ratio Lower Upper

82 100

128 40.8 38.7 58.1

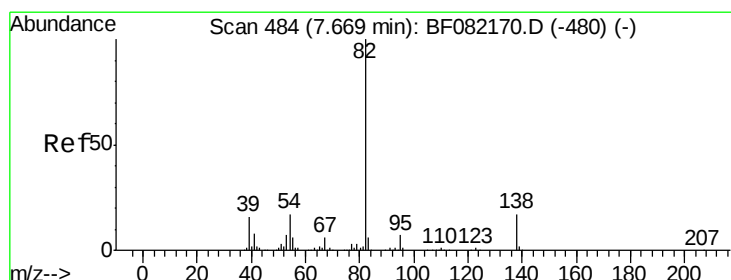
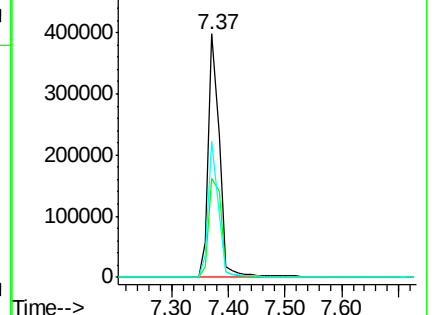
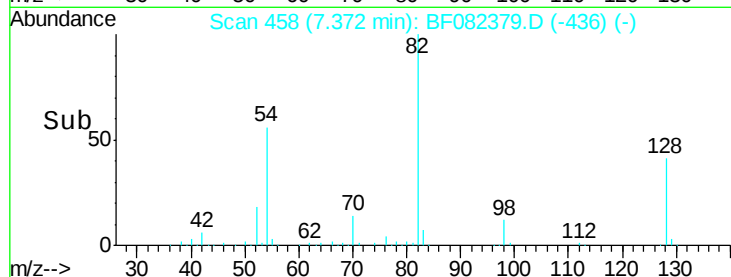
54 55.9 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 43.74 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.30 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

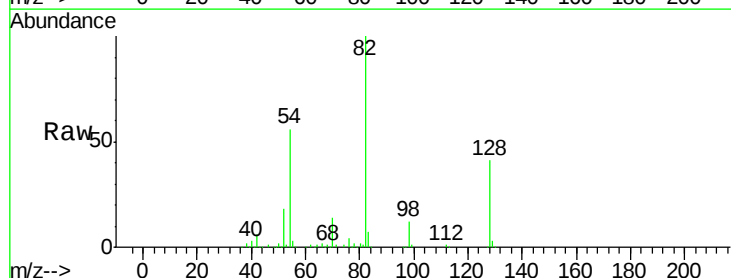
Tgt Ion: 82 Resp: 467212

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

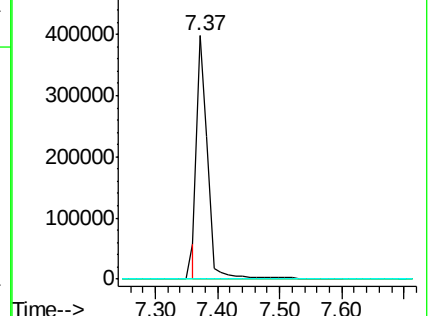
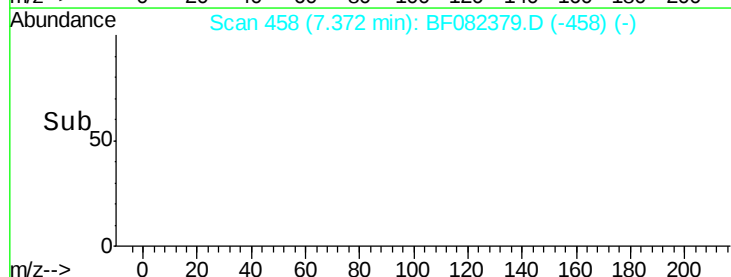
138 0.0 13.6 20.4#

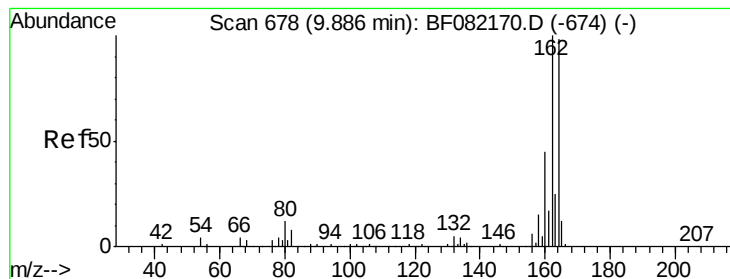


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

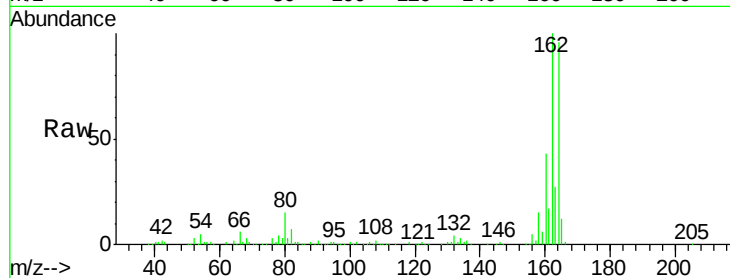
Tgt Ion:164 Resp: 175465

Ion Ratio Lower Upper

164 100

162 104.2 81.6 122.4

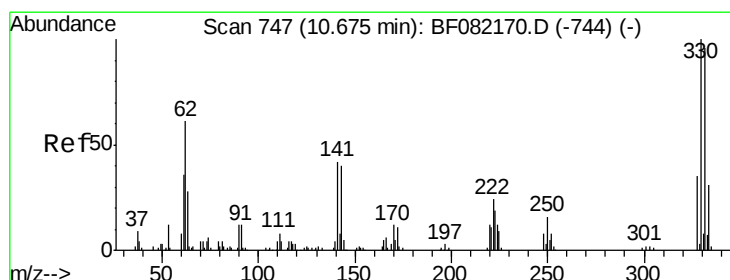
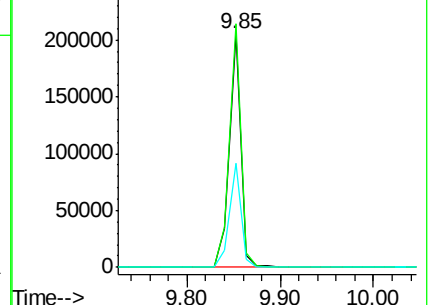
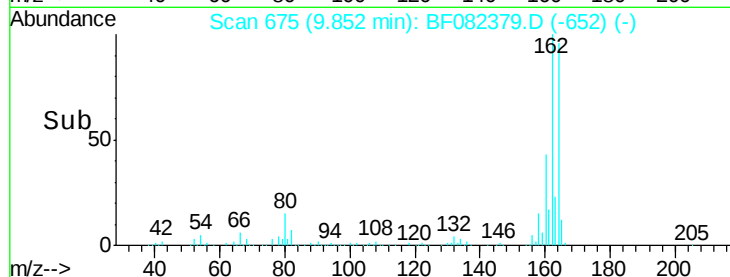
160 44.8 36.4 54.6



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: 114.31 ng

RT: 10.65 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

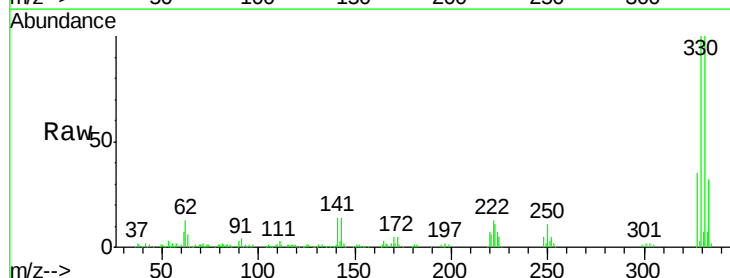
Tgt Ion:330 Resp: 188103

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

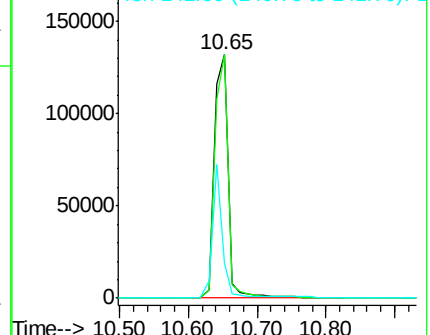
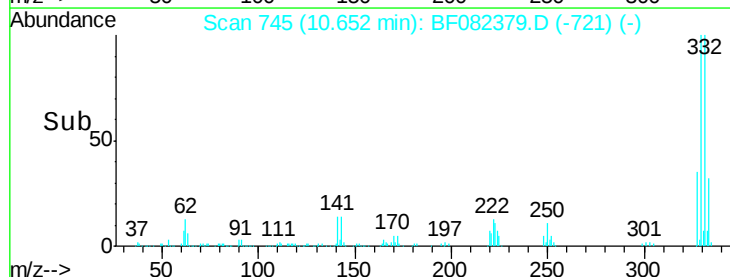
141 39.6 29.8 44.8

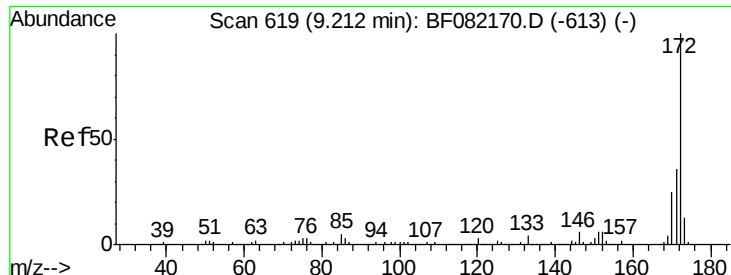


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

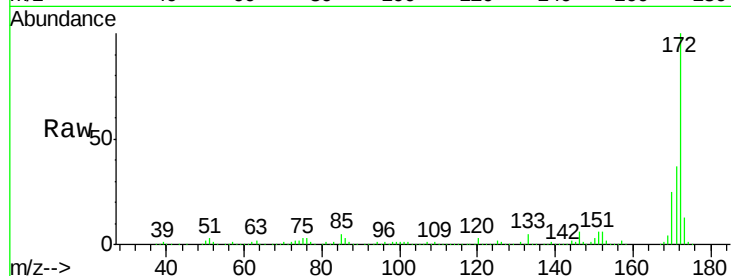




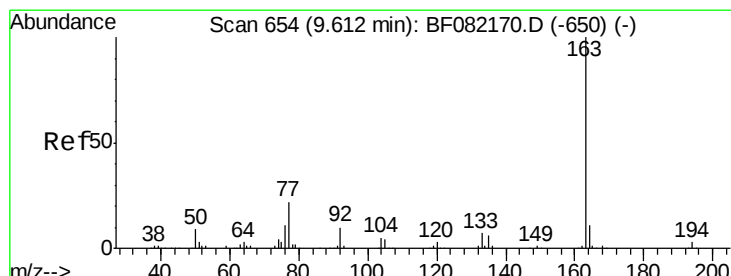
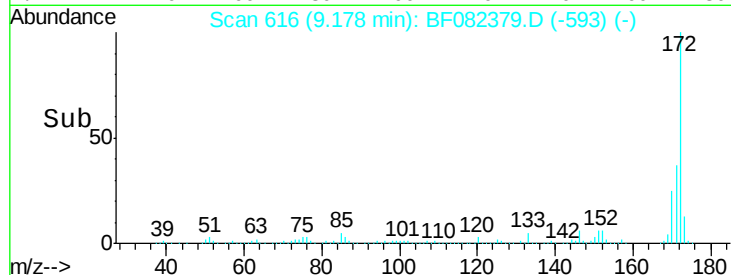
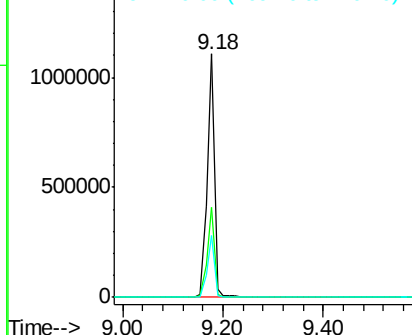
#44
2-Fluorobiphenyl
Concen: 105.50 ng
RT: 9.18 min Scan# 616
Delta R.T. -0.03 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tgt Ion:172 Resp: 1116211
Ion Ratio Lower Upper
172 100
171 36.8 28.6 42.8
170 25.2 19.7 29.5

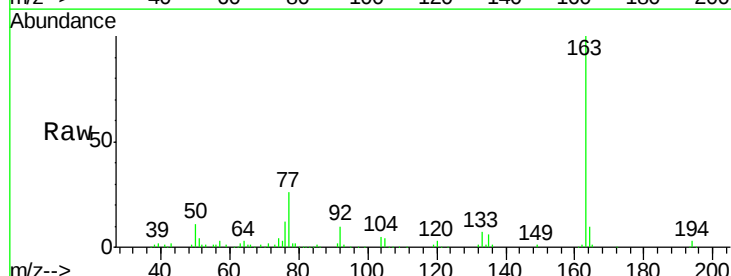


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

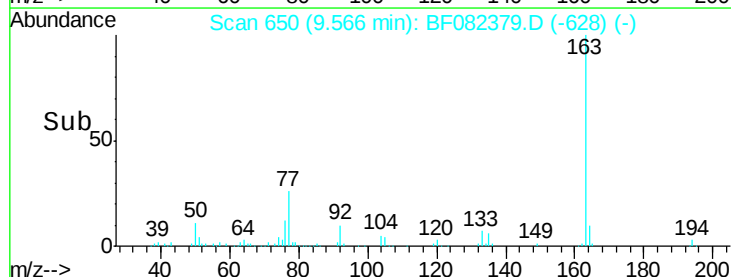
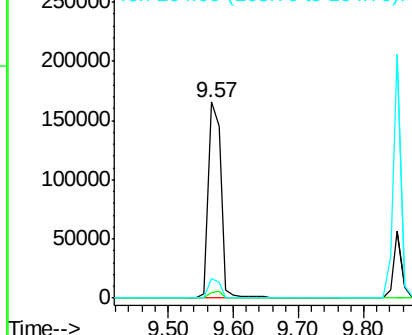


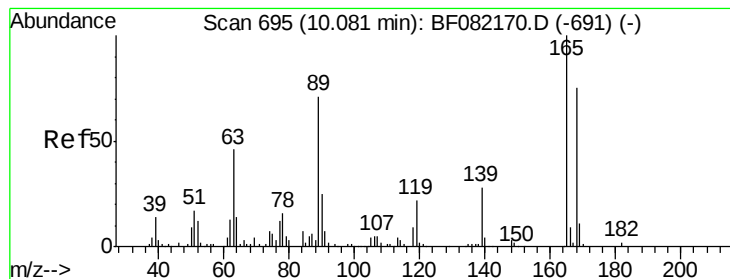
#49
Dimethylphthalate
Concen: 18.57 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion:163 Resp: 229393
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.2 8.5 12.7



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





#56

2,4-Dinitrotoluene

Concen: 6.90 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.23 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

Tgt Ion:165 Resp: 22490

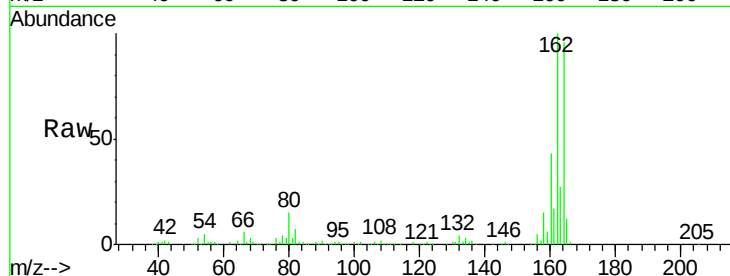
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.4 57.0 85.6#

182 0.0 1.8 2.6#

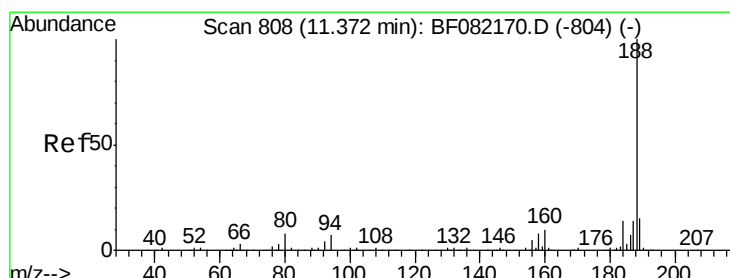
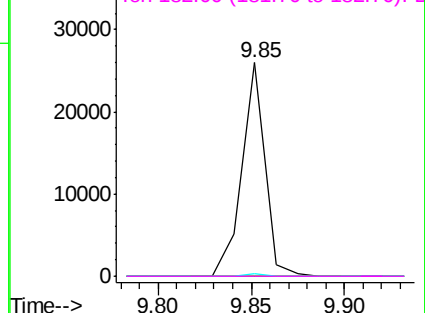
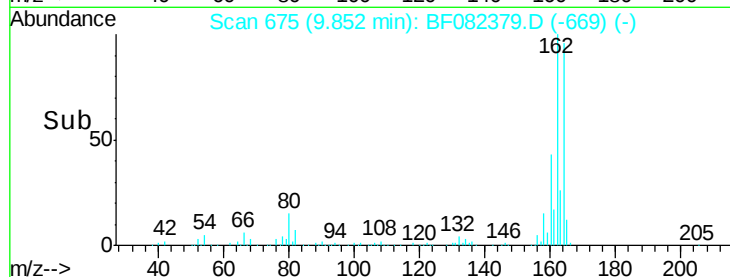


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

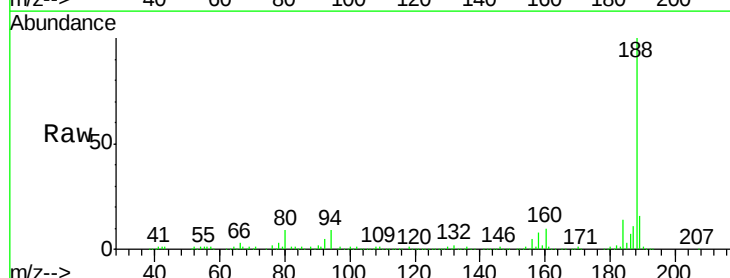
Tgt Ion:188 Resp: 295904

Ion Ratio Lower Upper

188 100

94 9.1 5.8 8.6#

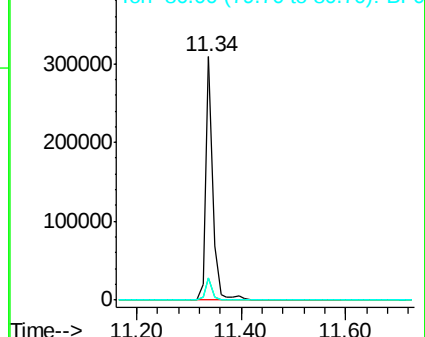
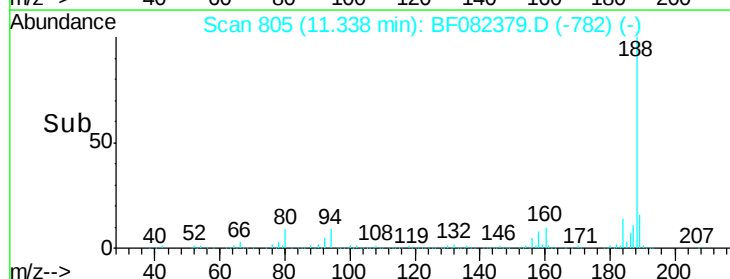
80 9.2 6.4 9.6

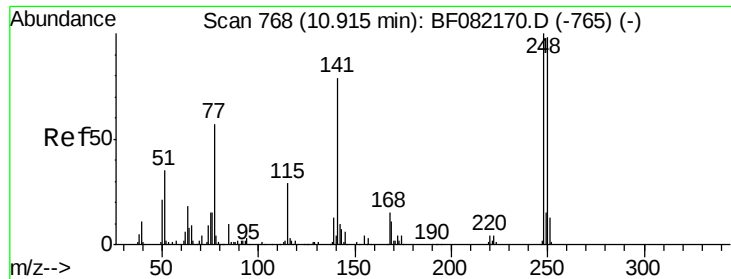


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

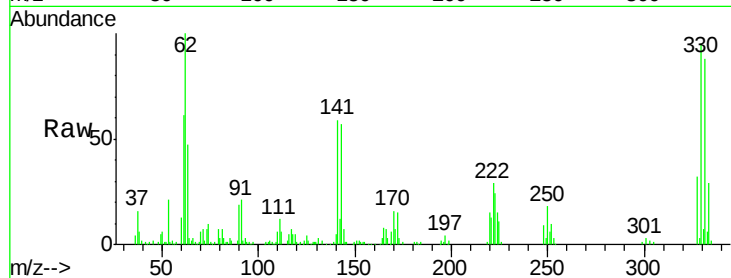




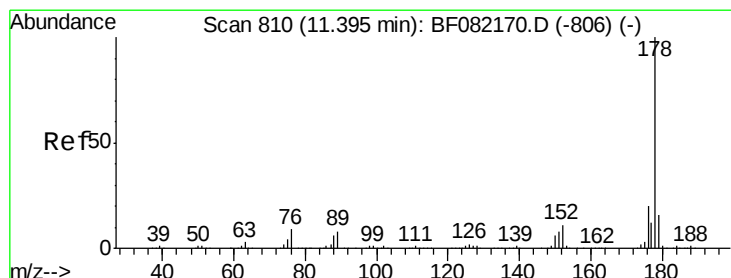
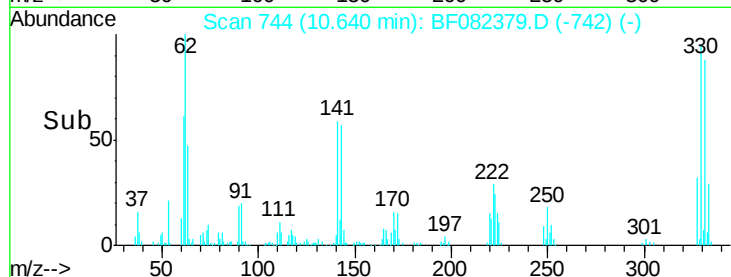
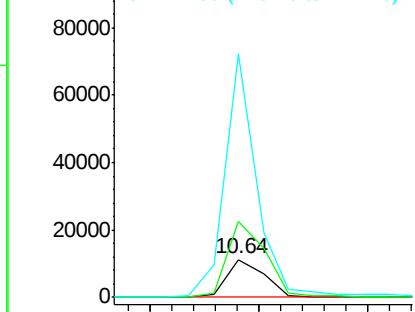
#66
 4-Bromophenyl-phenylether
 Concen: 4.52 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.27 min
 Lab File: BF082379.D
 Acq: 20 Oct 2015 3:36

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05

Tgt Ion:248 Resp: 13377
 Ion Ratio Lower Upper
 248 100
 250 199.8 78.6 117.8#
 141 642.3 63.3 94.9#

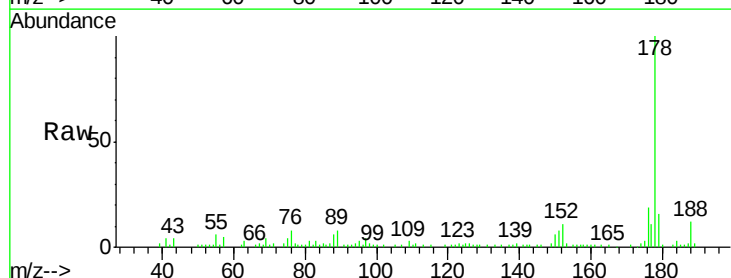


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

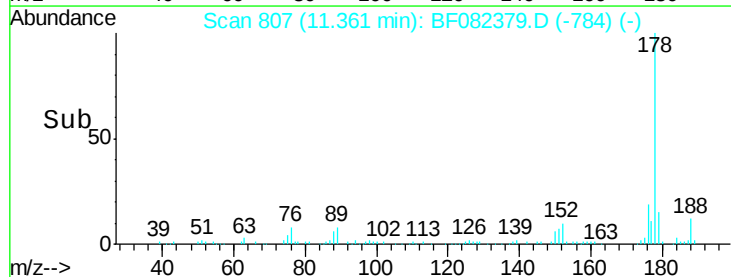
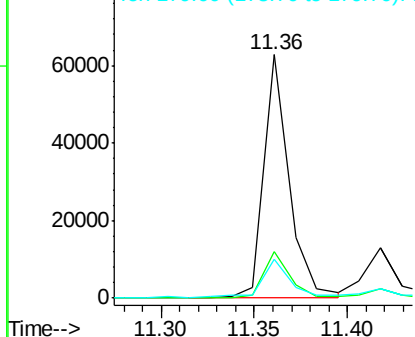


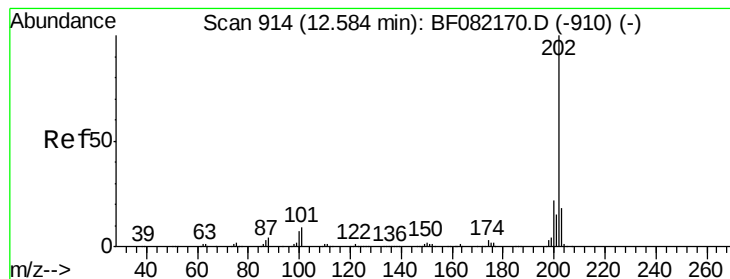
#70
 Phenanthrene
 Concen: 4.03 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.03 min
 Lab File: BF082379.D
 Acq: 20 Oct 2015 3:36

Tgt Ion:178 Resp: 58512
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.0 24.0
 179 15.8 12.6 19.0



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: 5.25 ng

RT: 12.55 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

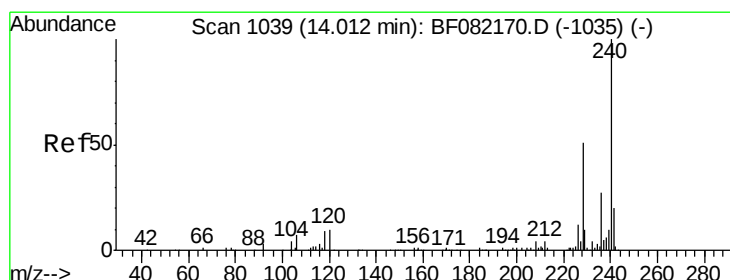
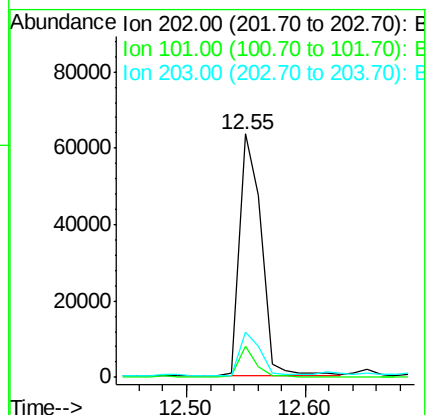
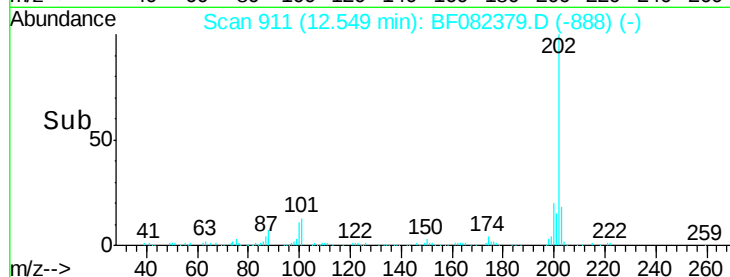
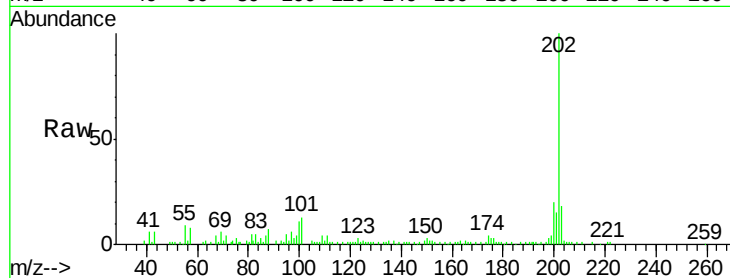
Tgt Ion:202 Resp: 81709

Ion Ratio Lower Upper

202 100

101 12.7 0.0 29.3

203 18.4 0.0 37.8



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

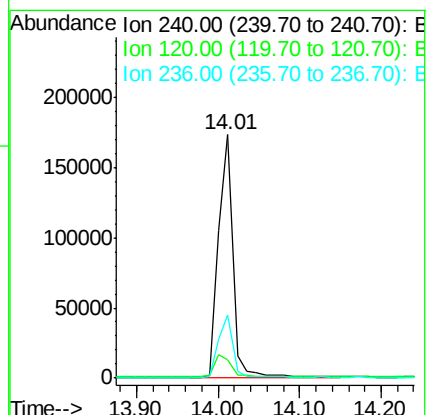
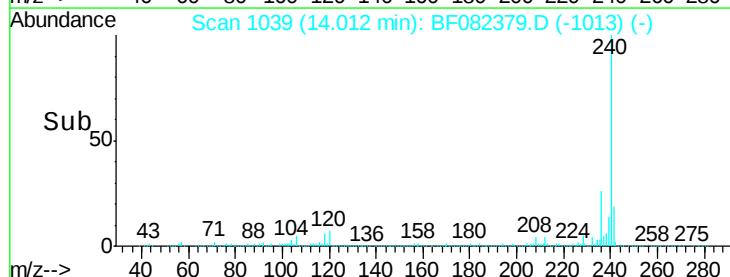
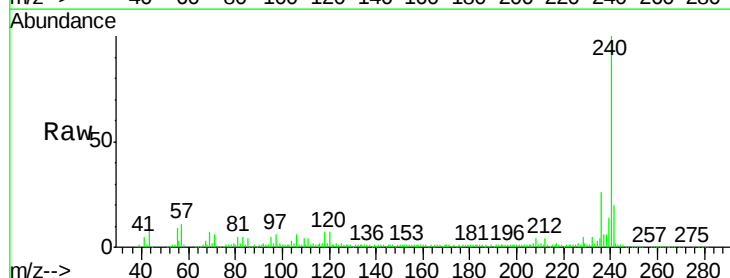
Tgt Ion:240 Resp: 217832

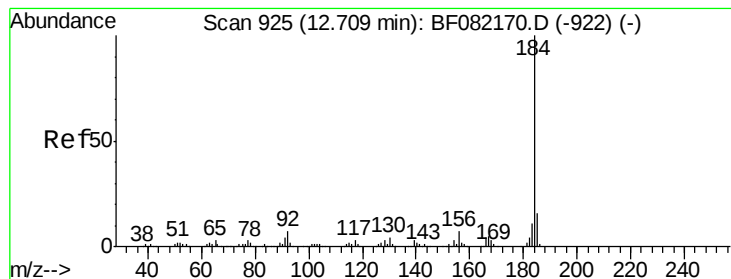
Ion Ratio Lower Upper

240 100

120 7.3 8.1 12.1#

236 25.9 21.3 31.9





#76

Benzidine

Concen: 2.01 ng

RT: 12.93 min Scan# 944

Delta R.T. 0.22 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

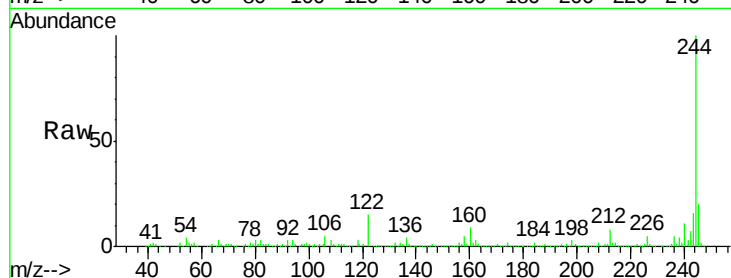
Tgt Ion:184 Resp: 12678

Ion Ratio Lower Upper

184 100

185 22.0 12.5 18.7#

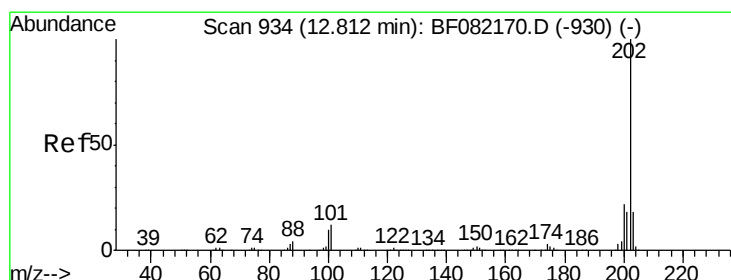
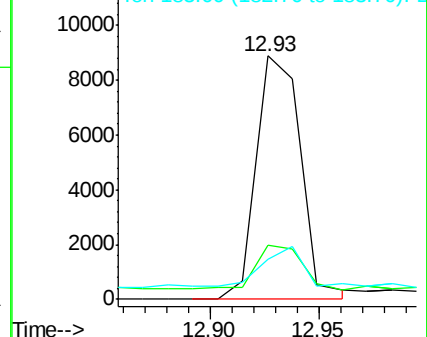
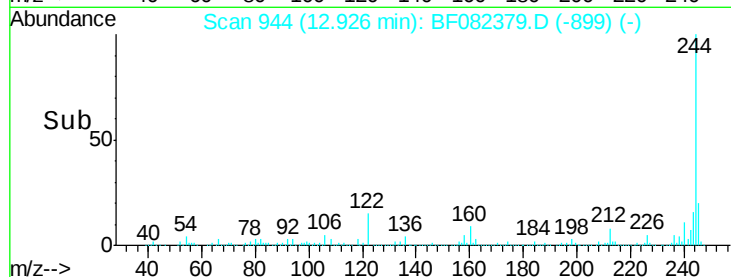
183 16.5 9.1 13.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 6.03 ng

RT: 12.78 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

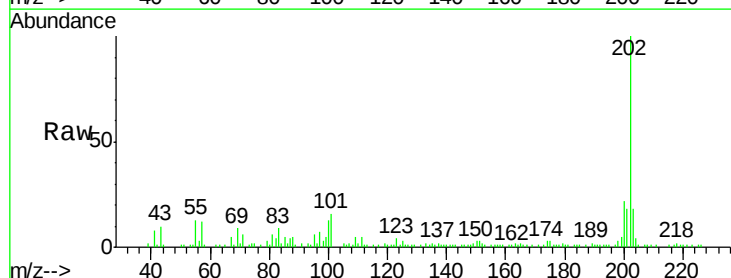
Tgt Ion:202 Resp: 77975

Ion Ratio Lower Upper

202 100

200 21.7 17.9 26.9

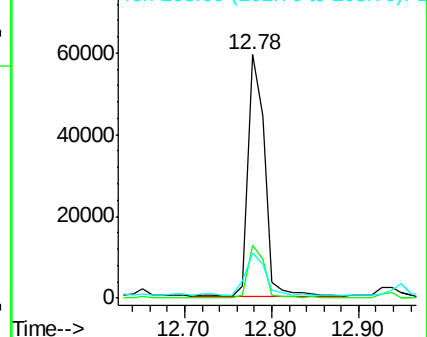
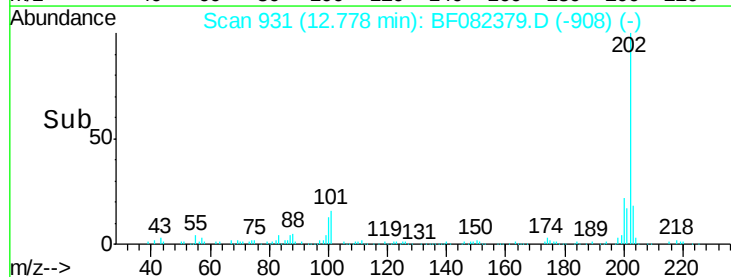
203 18.5 14.5 21.7

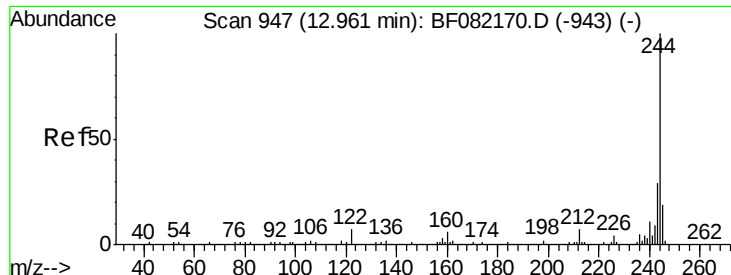


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

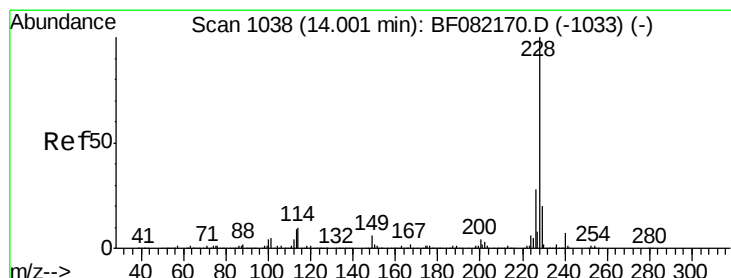
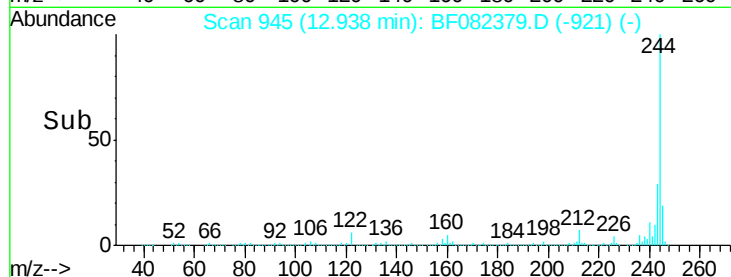
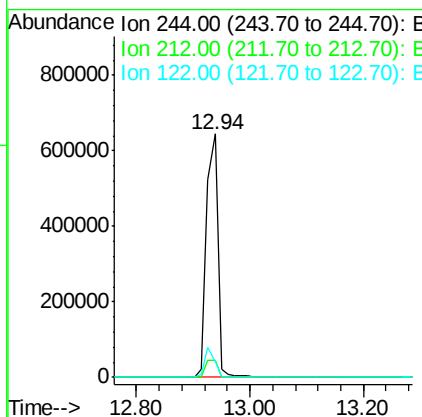
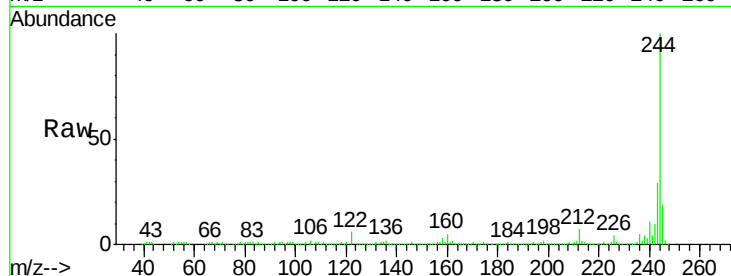




#78
 Terphenyl-d14
 Concen: 104.18 ng
 RT: 12.94 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF082379.D
 Acq: 20 Oct 2015 3:36

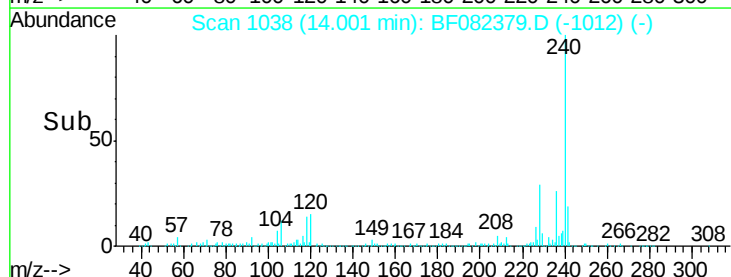
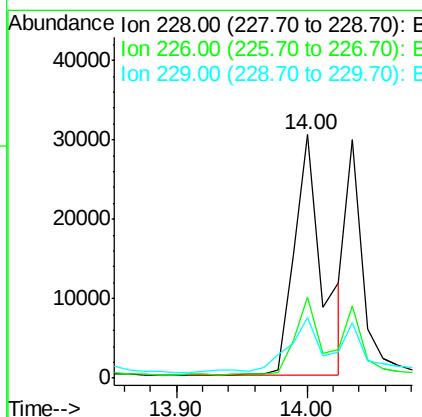
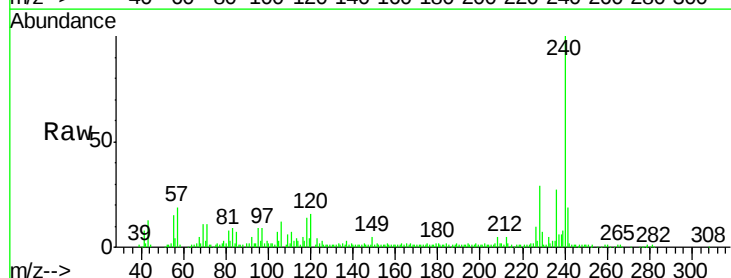
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05

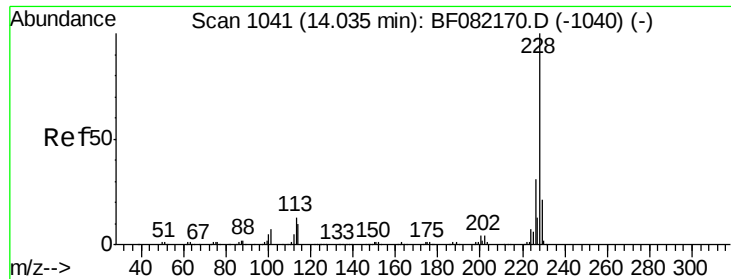
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	6.3	5.9	8.9



#80
 Benzo(a)anthracene
 Concen: 4.08 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF082379.D
 Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.3	33.5#
229	24.7	16.2	24.2#





#82

Chrysene

Concen: 3.87 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

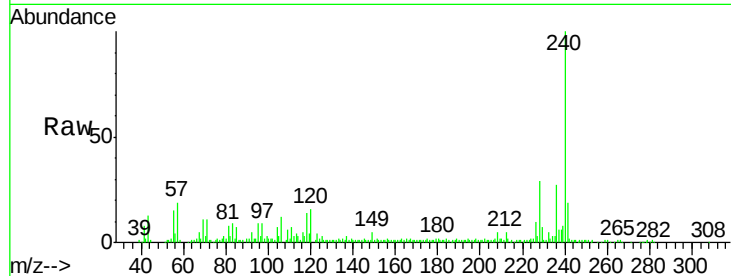
Tgt Ion:228 Resp: 46209

Ion Ratio Lower Upper

228 100

226 33.5 24.4 36.6

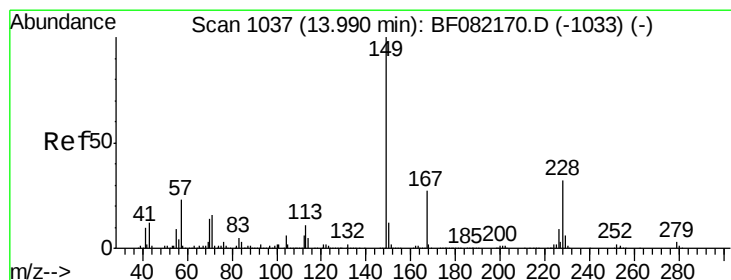
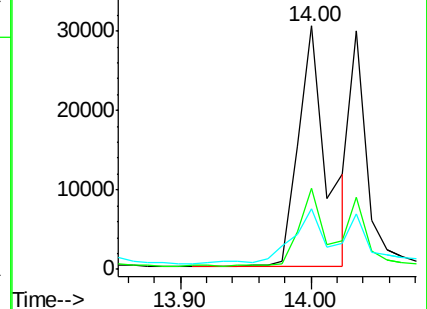
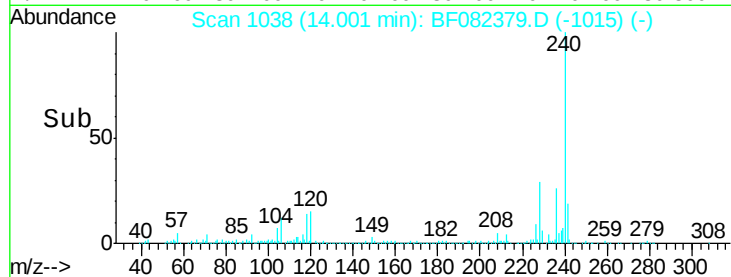
229 24.7 16.3 24.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.38 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

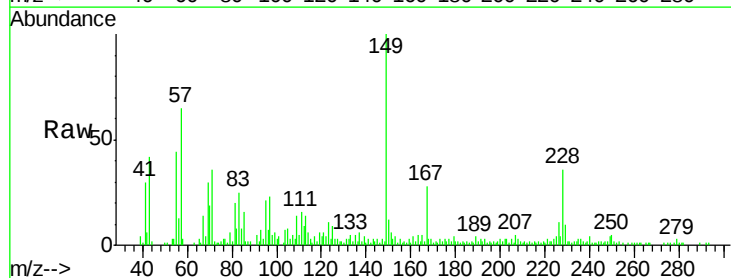
Tgt Ion:149 Resp: 36901

Ion Ratio Lower Upper

149 100

167 27.7 21.3 31.9

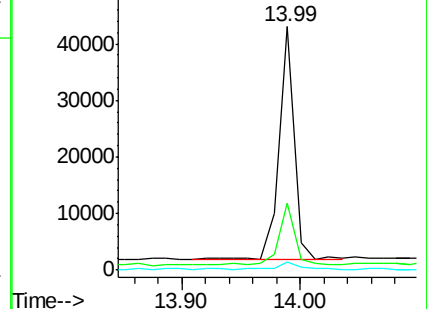
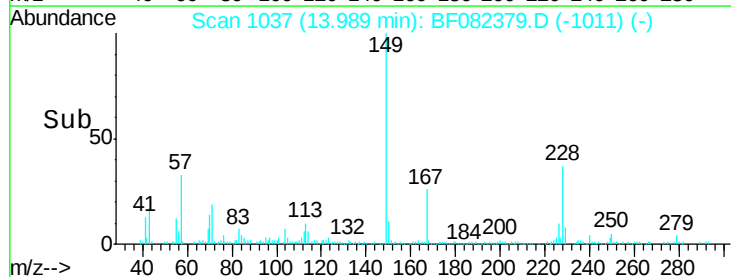
279 3.5 2.6 4.0

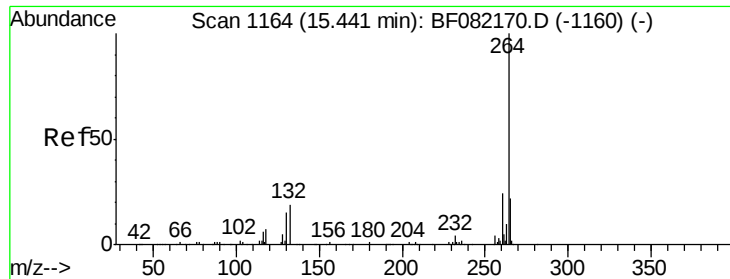


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



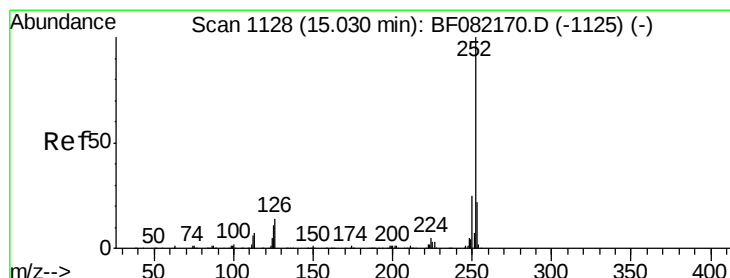
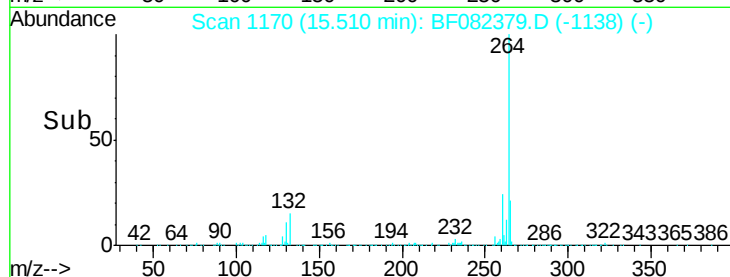
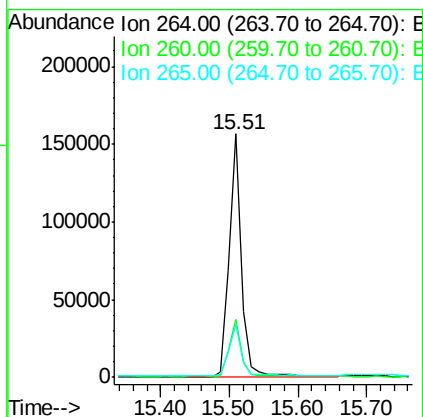
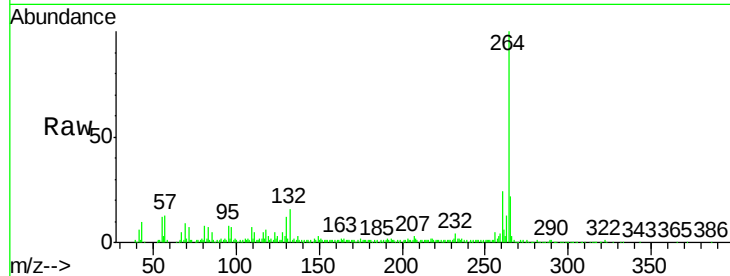


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. 0.07 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tgt Ion: 264 Resp: 196496

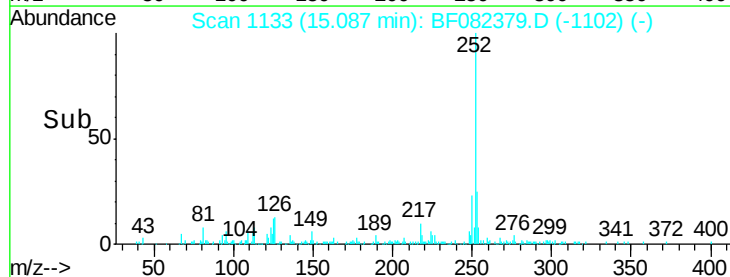
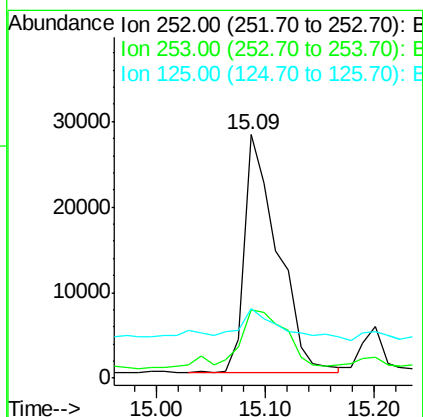
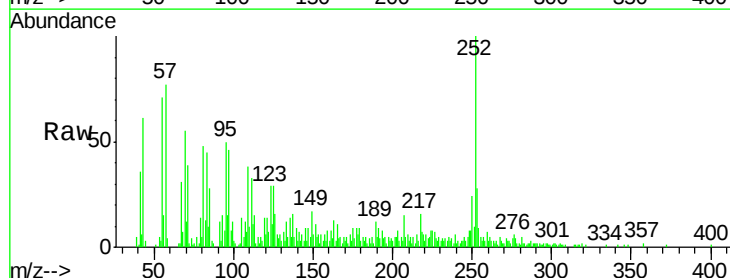
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.7	17.3	25.9

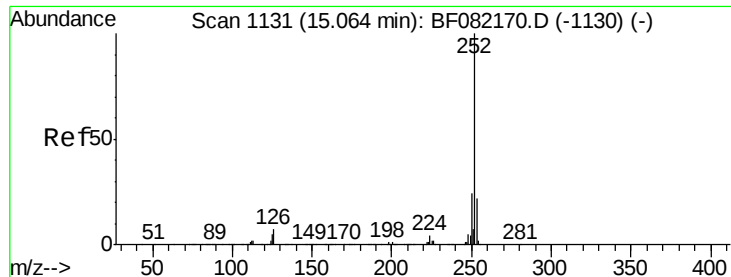


#87
Benzo(b)fluoranthene
Concen: 4.92 ng
RT: 15.09 min Scan# 1133
Delta R.T. 0.06 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion: 252 Resp: 58776

Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	28.8	8.6	12.8#

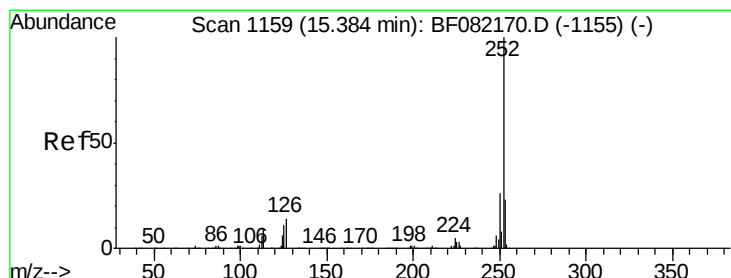
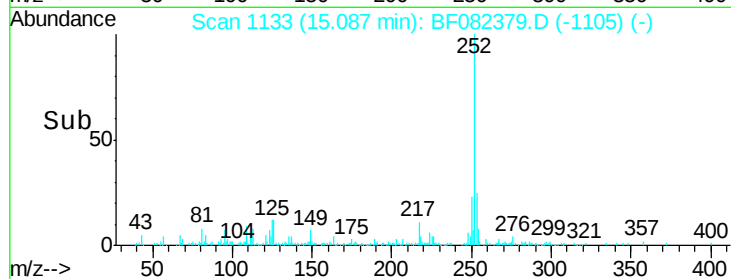
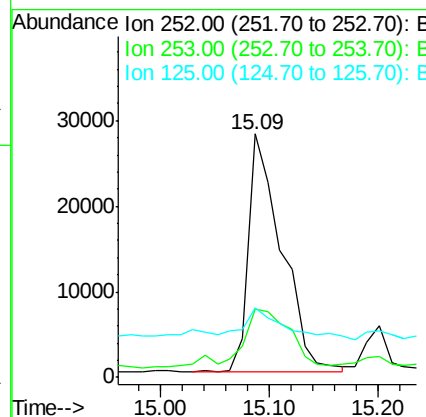
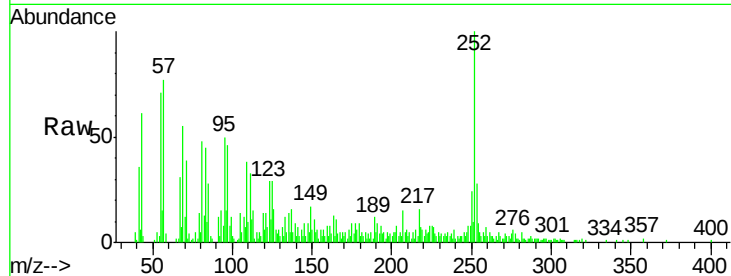




#88
Benzo(k)fluoranthene
Concen: 5.85 ng
RT: 15.09 min Scan# 1133
Delta R.T. 0.02 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

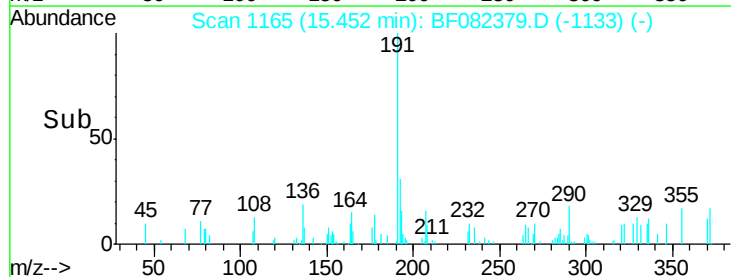
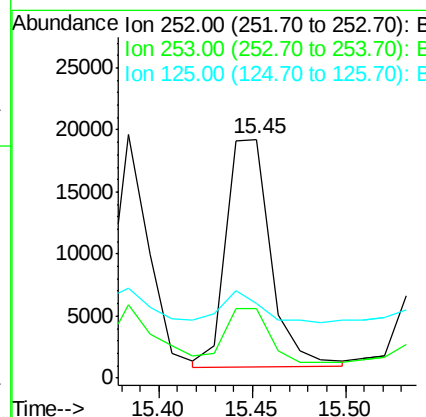
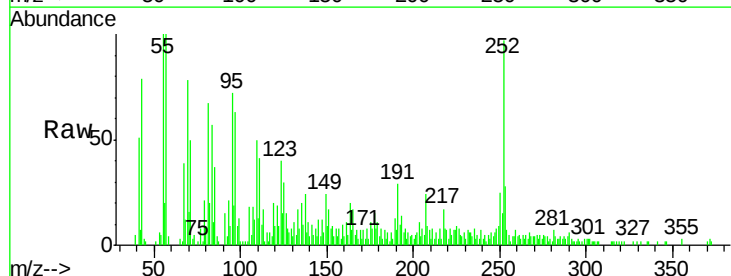
Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

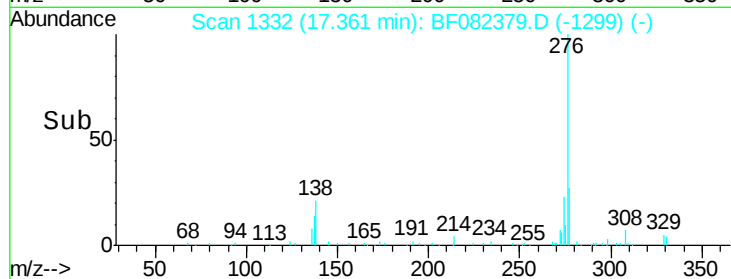
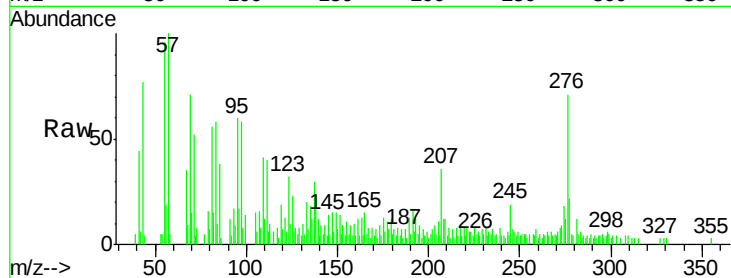
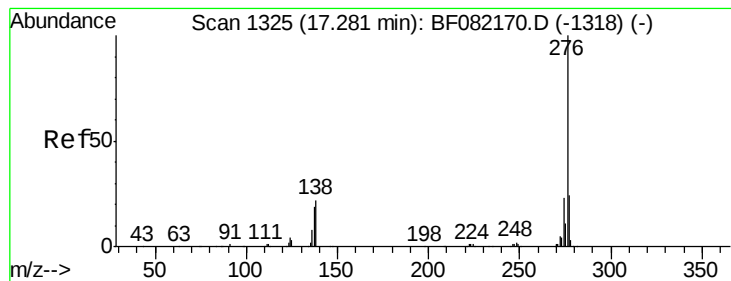
Tgt Ion:252 Resp: 58776
Ion Ratio Lower Upper
252 100
253 28.2 17.8 26.6#
125 28.8 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 15.45 min Scan# 1165
Delta R.T. 0.07 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion:252 Resp: 30636
Ion Ratio Lower Upper
252 100
253 29.0 18.2 27.2#
125 31.2 8.9 13.3#





#91

Benzo(g,h,i)perylene

Concen: 2.18 ng

RT: 17.36 min Scan# 1332

Delta R.T. 0.08 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05

Tgt Ion: 276 Resp: 17815

Ion Ratio Lower Upper

276 100

277 30.9 18.8 28.2#

138 30.3 17.4 26.2#

