

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082377.D
 Acq On : 20 Oct 2015 2:39
 Operator : UM/IZ
 Sample : G4040-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-04

Quant Time: Oct 20 03:17:10 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 03:15:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	96571	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	361832	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	182624	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	332910	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	236072	20.00	ng	0.00
86) Perylene-d12	15.54	264	210385	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	722752	151.05	ng	0.01
7) Phenol-d6	6.45	99	897853	144.19	ng	-0.01
23) Nitrobenzene-d5	7.37	82	552704	102.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	218132	127.36	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1182735	107.40	ng	0.00
78) Terphenyl-d14	12.94	244	955618	107.27	ng	0.00

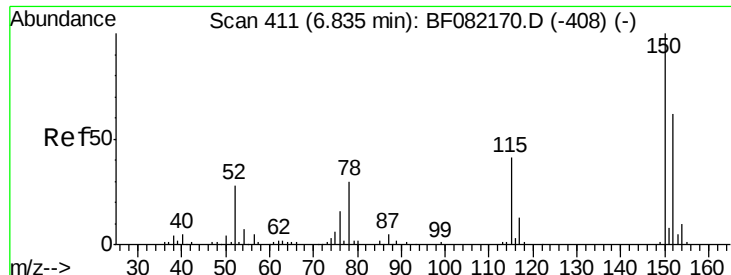
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.96	79	10668	2.48	ng	# 51
19) n-Nitroso-di-n-propylamine	7.37	70	73249	16.75	ng	# 81
49) Dimethylphthalate	9.57	163	273745	21.29	ng	99
55) 4-Nitrophenol	10.06	139	1593	Below Cal		# 30
56) 2,4-Dinitrotoluene	9.85	165	22675	6.69	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	15298	4.59	ng	# 1
70) Phenanthrene	11.36	178	77020	4.72	ng	99
74) Fluoranthene	12.55	202	100843	5.75	ng	97
77) Pyrene	12.78	202	95600	6.82	ng	97
80) Benzo(a)anthracene	14.01	228	50348	4.10	ng	96
82) Chrysene	14.01	228	50348	3.89	ng	96
87) Benzo(b)fluoranthene	15.12	252	57939	4.53	ng	# 89
88) Benzo(k)fluoranthene	15.12	252	57351	5.33	ng	# 87
89) Benzo(a)pyrene	15.48	252	31251	2.84	ng	# 84
91) Benzo(a,h,i)perylene	17.40	276	17685	2.02	ng	# 86

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

```

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Misc      :
ALS Vial  : 24    Sample Multiplier: 1

```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-04

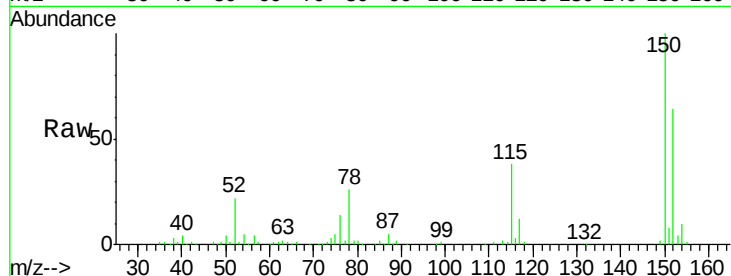
Tot Ion:152 Resp: 96571

Ion Ratio Lower Upper

152 100

150 156.6 129.0 193.4

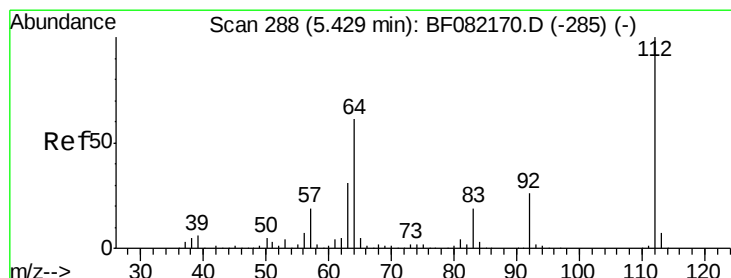
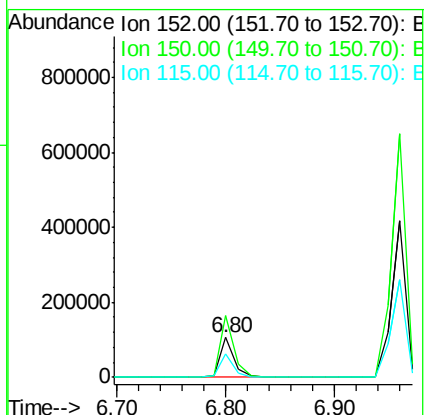
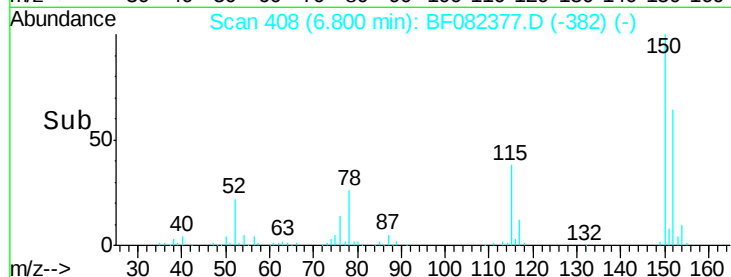
115 59.6 52.1 78.1



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: 151.05 ng

RT: 5.41 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

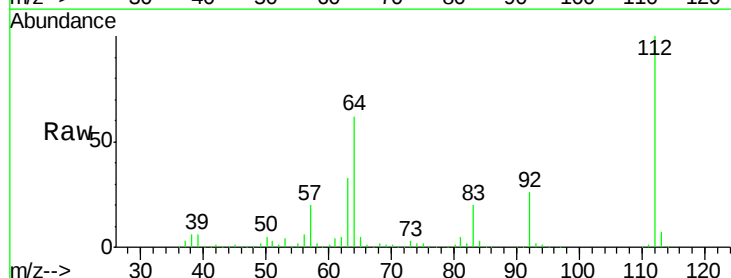
Tgt Ion:112 Resp: 722752

Ion Ratio Lower Upper

112 100

64 62.2 48.6 73.0

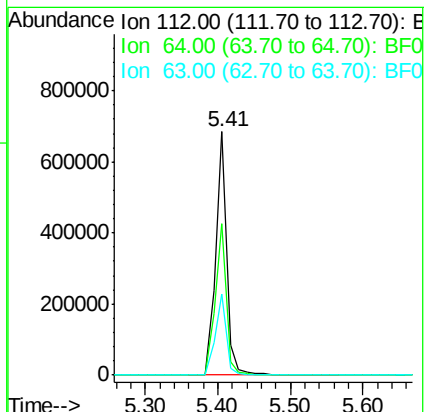
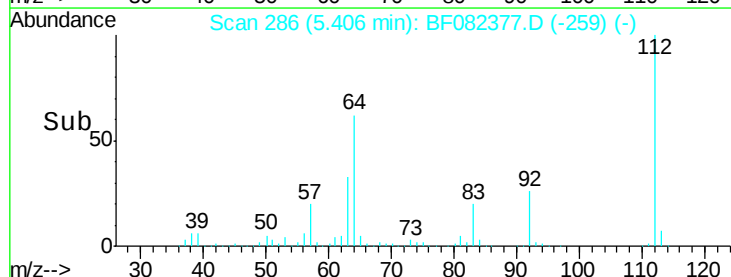
63 33.1 25.1 37.7

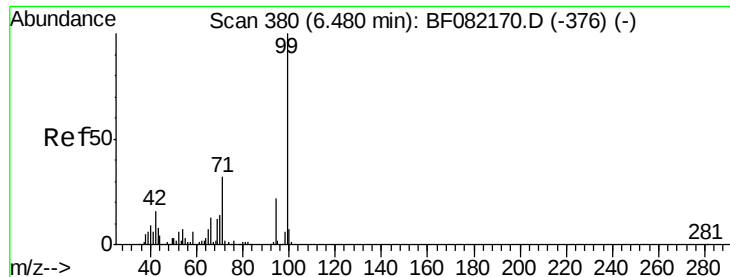


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 144.19 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-04

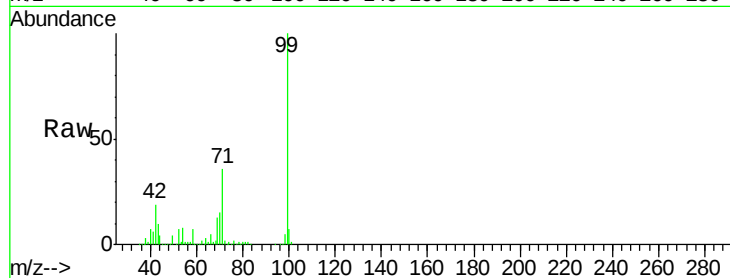
Tot Ion: 99 Resp: 897853

Ion Ratio Lower Upper

99 100

42 18.9 13.2 19.8

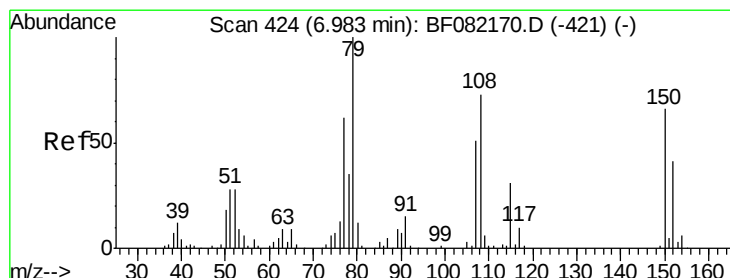
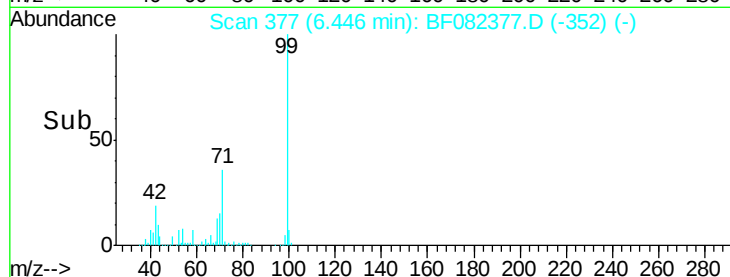
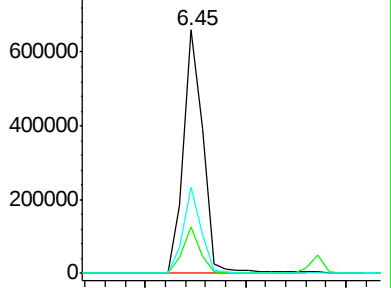
71 35.5 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.48 ng

RT: 6.96 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

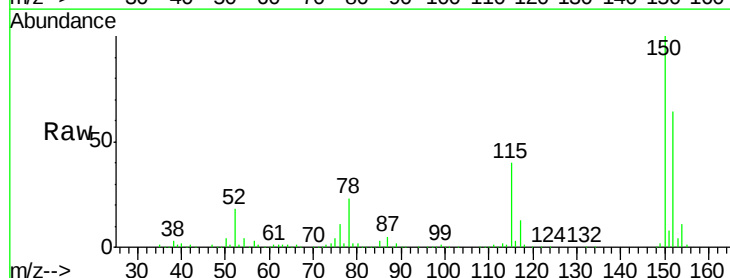
Tgt Ion: 79 Resp: 10668

Ion Ratio Lower Upper

79 100

108 31.4 58.4 87.6#

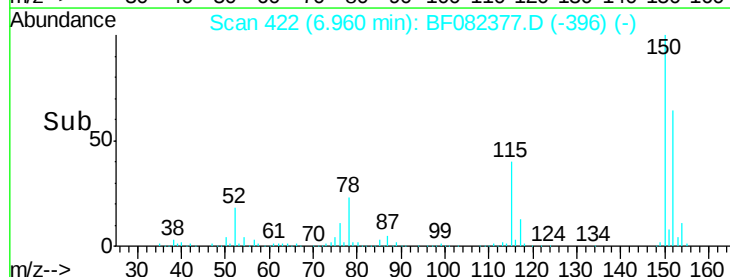
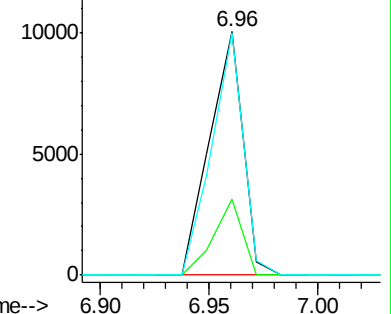
77 99.7 49.8 74.6#

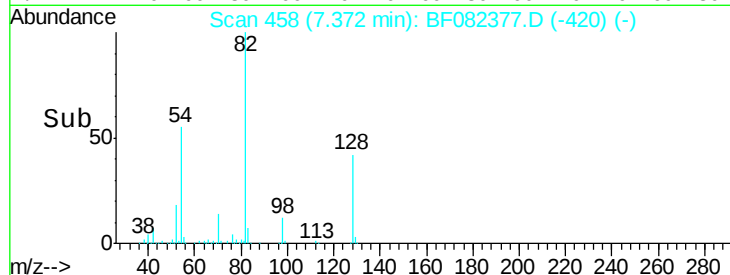
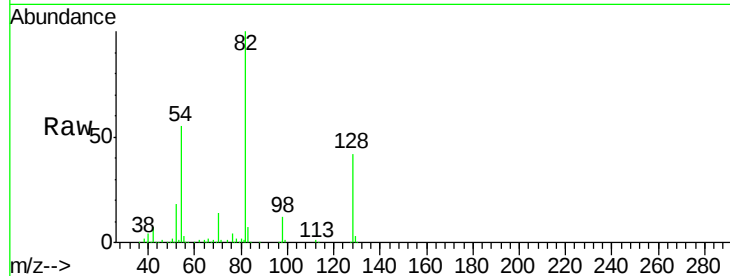
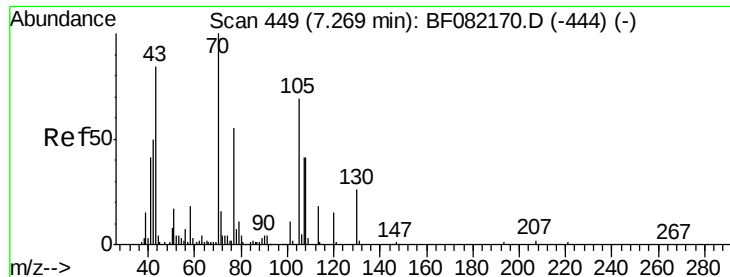


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

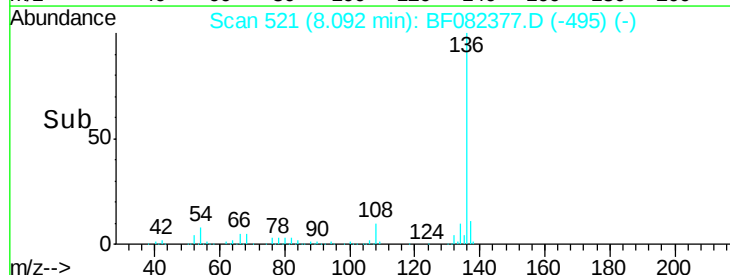
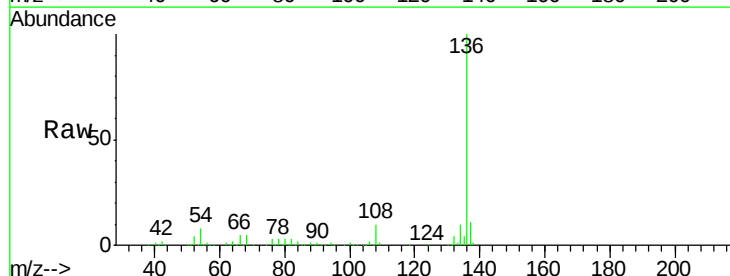
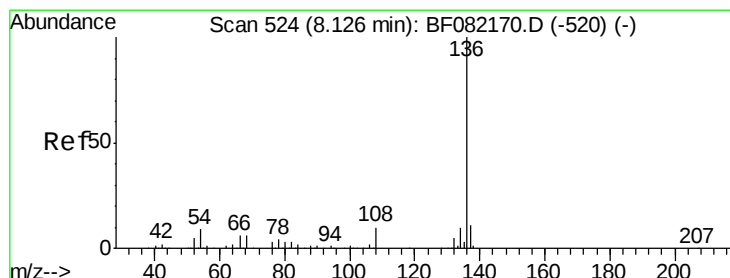
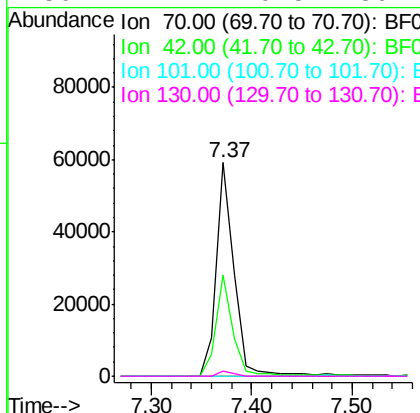




#19
n-Nitroso-di-n-propylamine
Concen: 16.75 ng
RT: 7.37 min Scan# 458
Delta R.T. 0.14 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

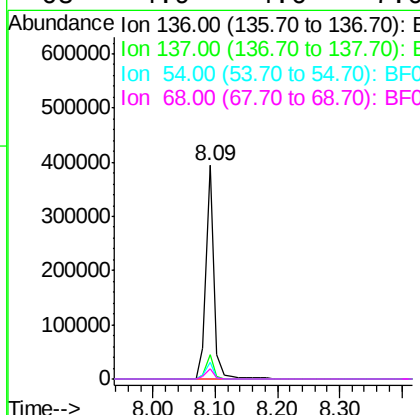
Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

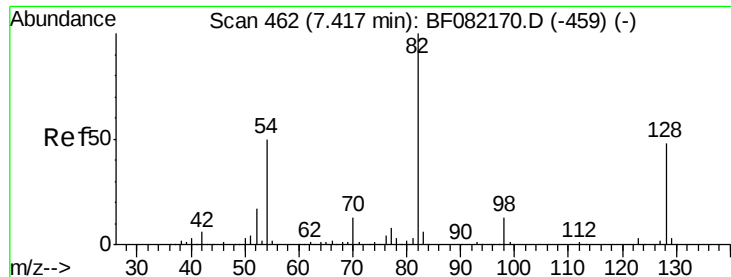
Tot Ion: 70 Resp: 73249
Ion Ratio Lower Upper
70 100
42 47.2 39.8 59.8
101 0.0 8.6 13.0#
130 2.4 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. 0.00 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Tgt Ion: 136 Resp: 361832
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 7.6 7.5 11.3
68 4.9 4.6 7.0

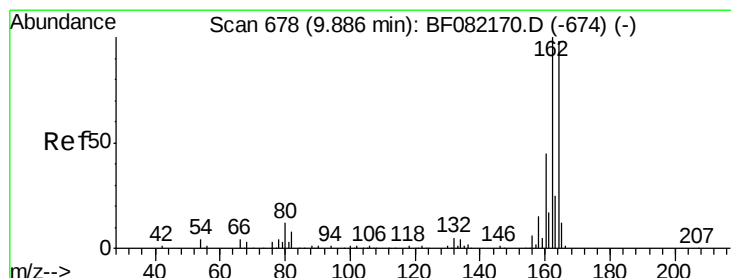
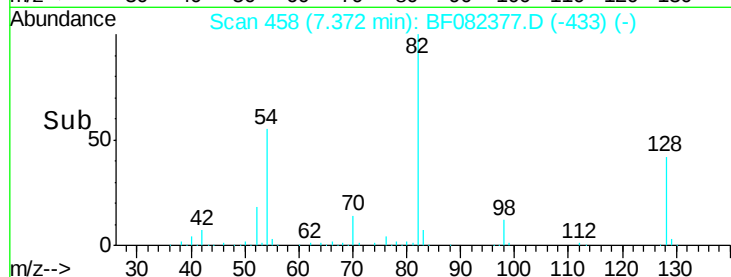
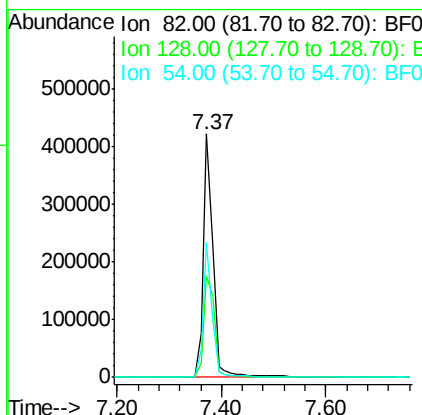
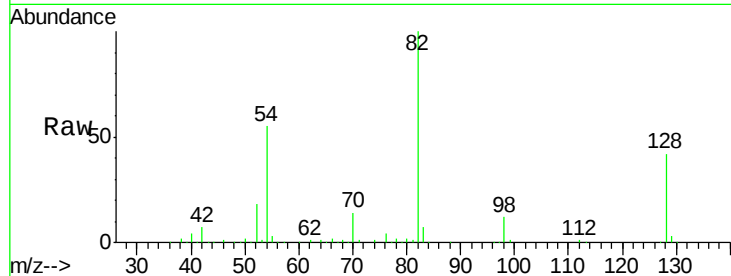




#23
 Nitrobenzene-d5
 Concen: 102.58 ng
 RT: 7.37 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

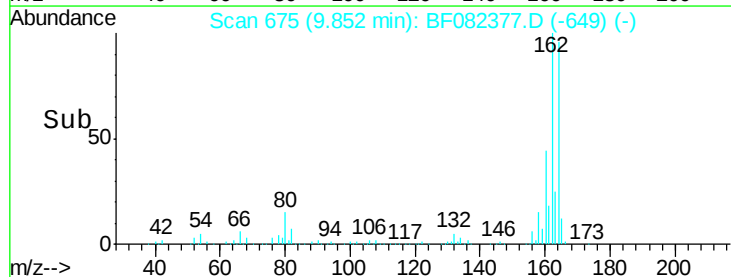
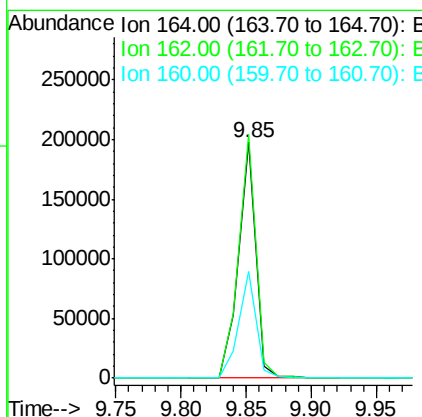
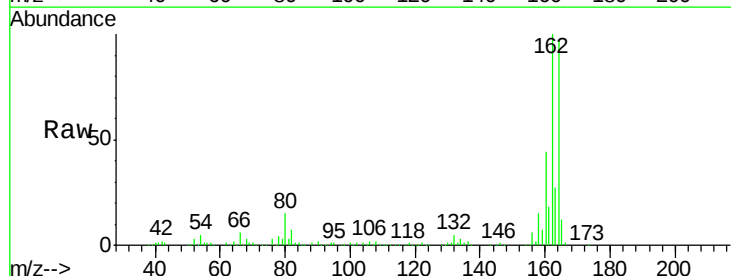
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-04

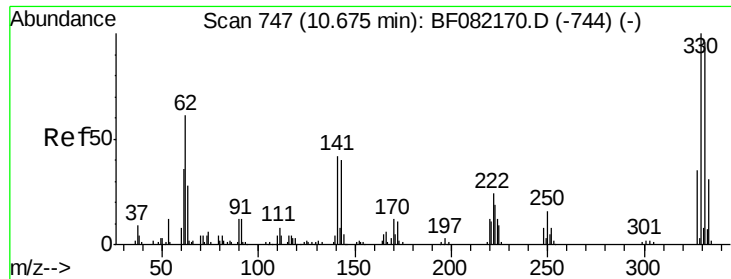
Tot Ion: 82 Resp: 552704
 Ion Ratio Lower Upper
 82 100
 128 41.6 38.7 58.1
 54 55.4 40.1 60.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Tgt Ion:164 Resp: 182624
 Ion Ratio Lower Upper
 164 100
 162 103.4 81.6 122.4
 160 45.5 36.4 54.6

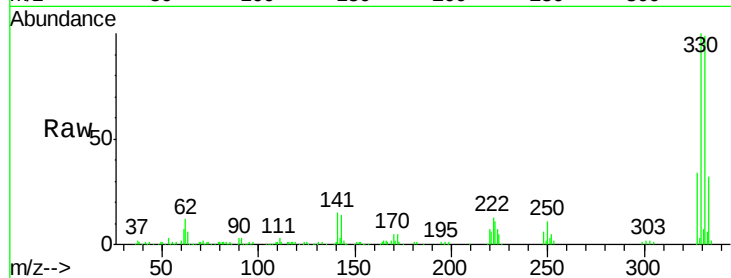




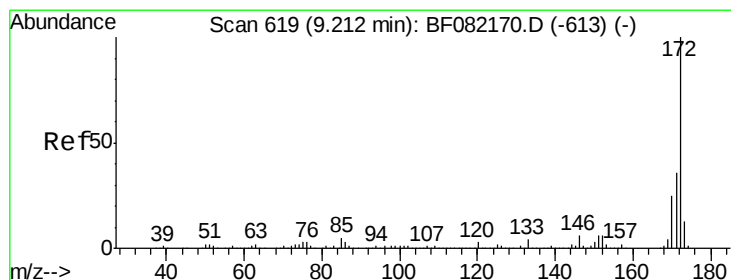
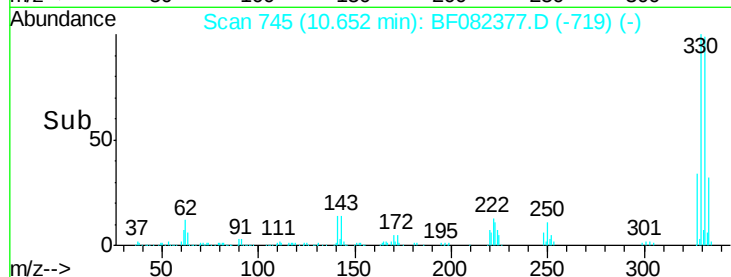
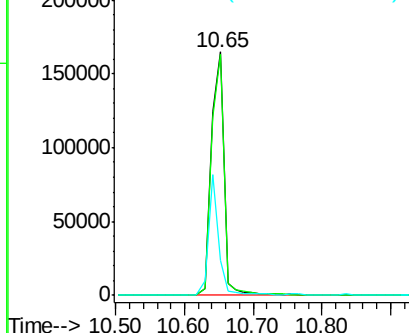
#41
 2,4,6-Tribromophenol
 Concen: 127.36 ng
 RT: 10.65 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-04

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.1	115.7
141	39.4	29.8	44.8

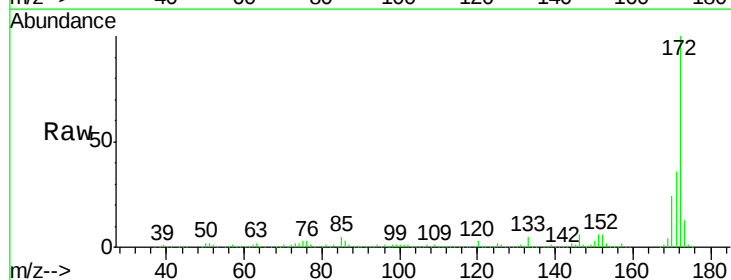


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

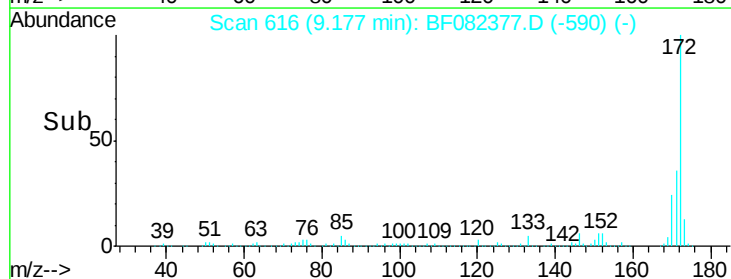
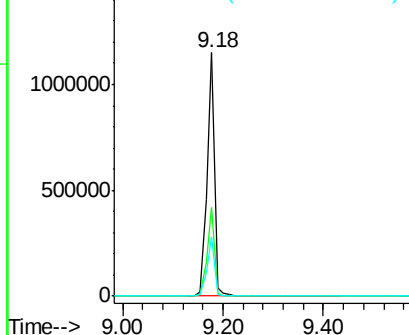


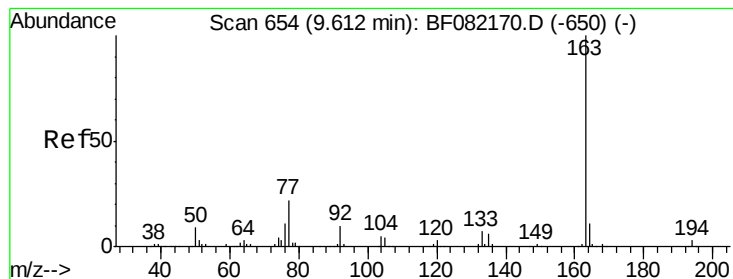
#44
 2-Fluorobiphenyl
 Concen: 107.40 ng
 RT: 9.18 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	24.4	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: 21.29 ng

RT: 9.57 min Scan# 650

Delta R.T. -0.02 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-04

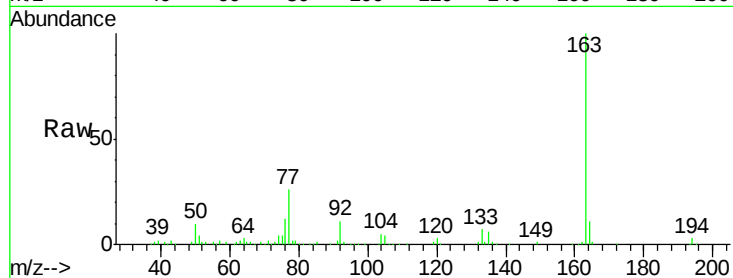
Tot Ion:163 Resp: 273745

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

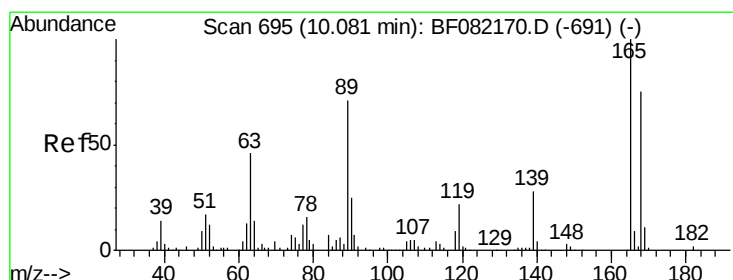
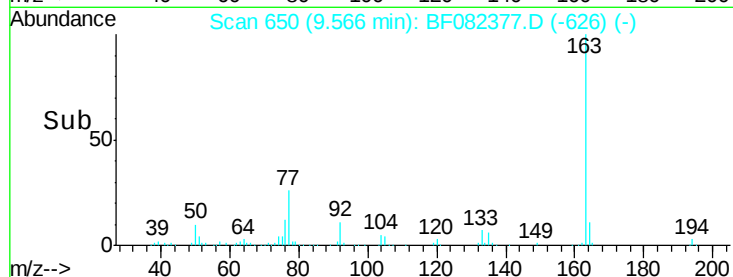
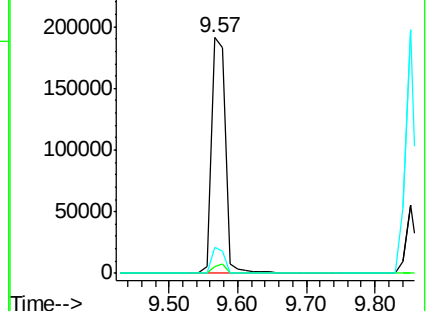
164 10.8 8.5 12.7



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: 6.69 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Tgt Ion:165 Resp: 22675

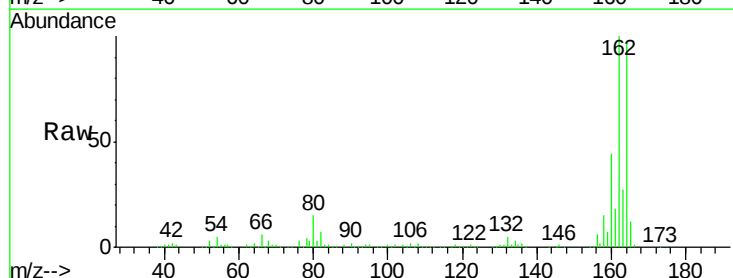
Ion Ratio Lower Upper

165 100

63 1.5 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

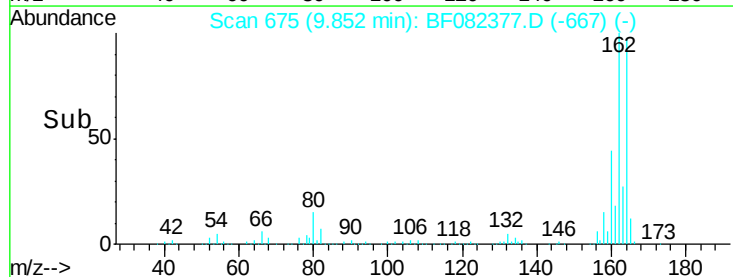
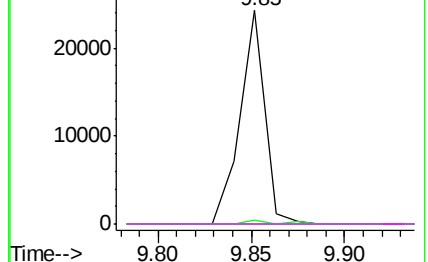


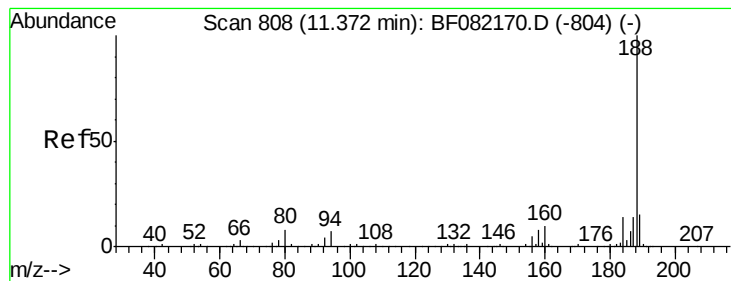
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-04

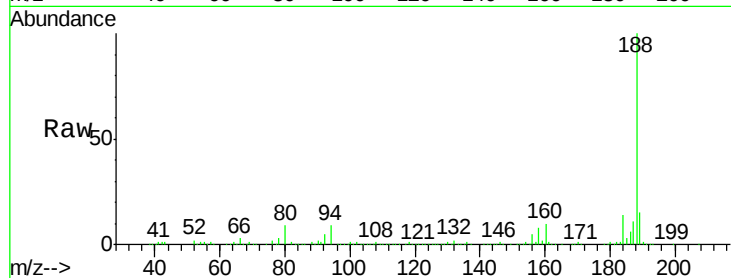
Tot Ion:188 Resp: 332910

Ion Ratio Lower Upper

188 100

94 8.9 5.8 8.6#

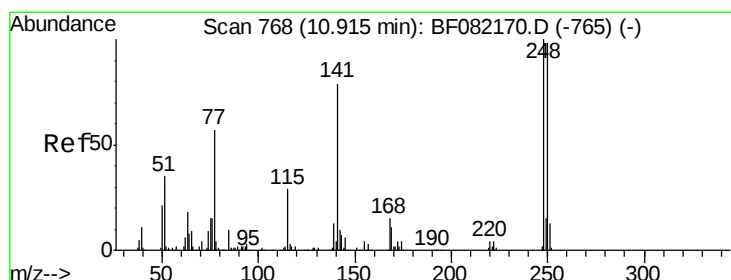
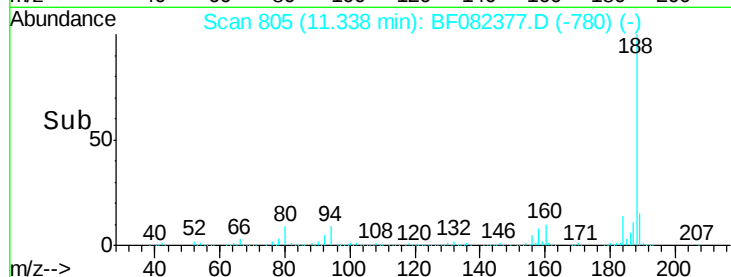
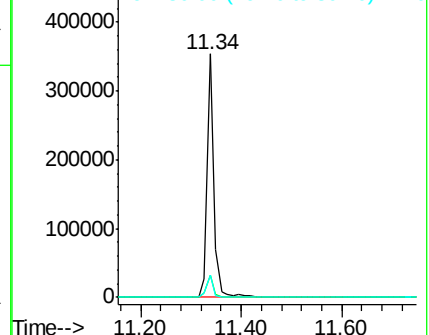
80 9.3 6.4 9.6



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: 4.59 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.25 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

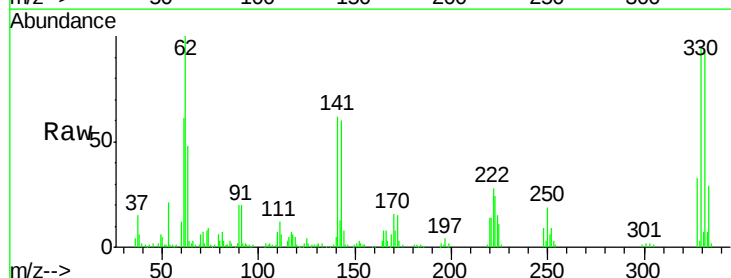
Tgt Ion:248 Resp: 15298

Ion Ratio Lower Upper

248 100

250 202.6 78.6 117.8#

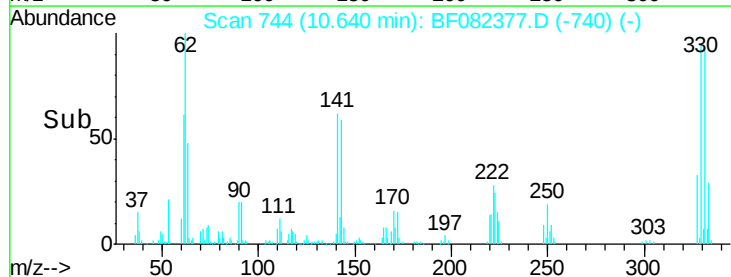
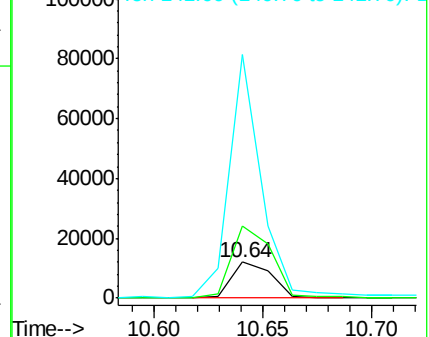
141 681.5 63.3 94.9#

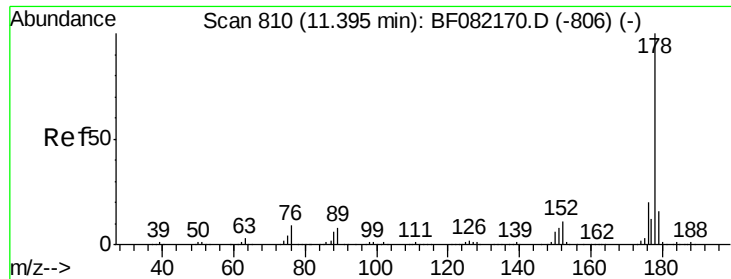


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

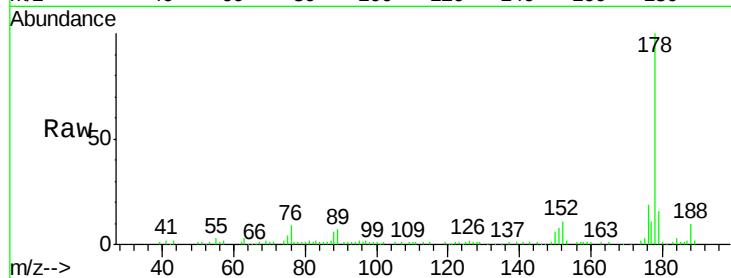




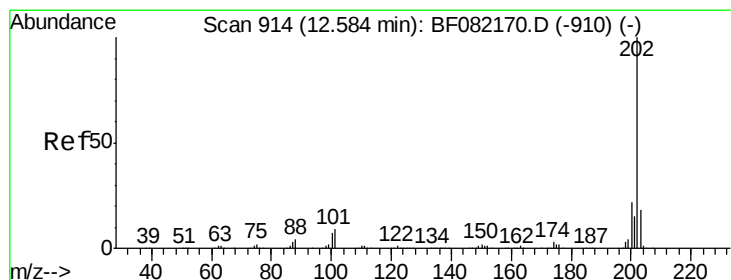
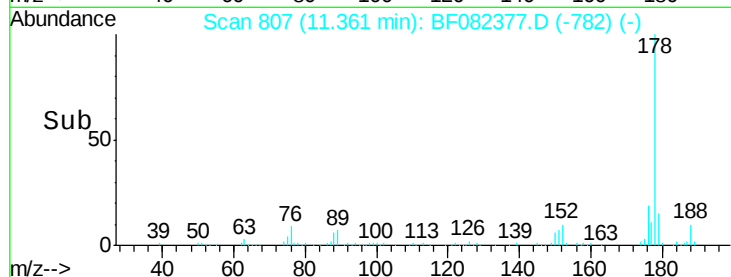
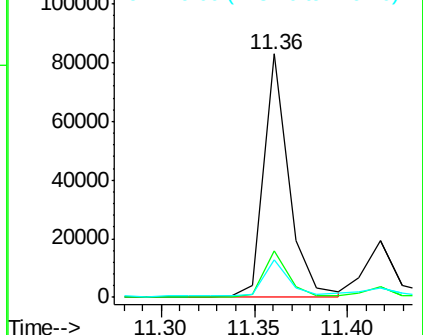
#70
Phenanthrene
Concen: 4.72 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

Tot Ion:178 Resp: 77020
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.6 12.6 19.0

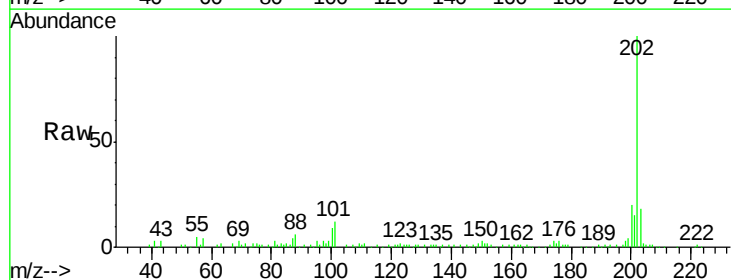


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

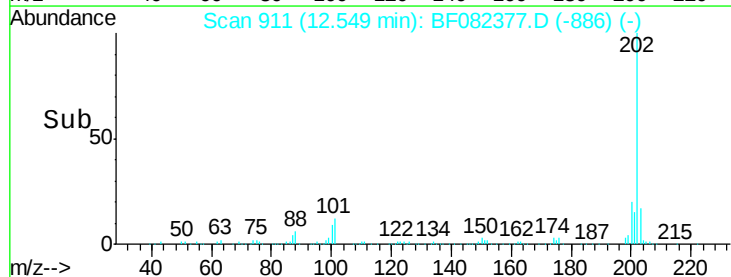
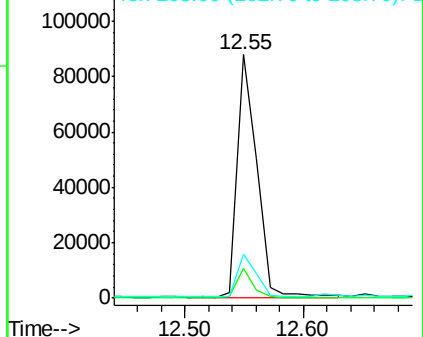


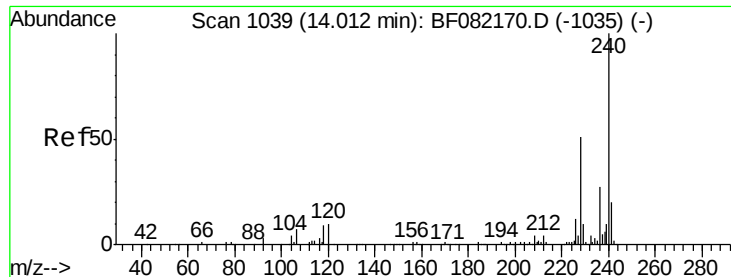
#74
Fluoranthene
Concen: 5.75 ng
RT: 12.55 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Tgt Ion:202 Resp: 100843
Ion Ratio Lower Upper
202 100
101 12.3 0.0 29.3
203 17.8 0.0 37.8



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# 1040

Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-04

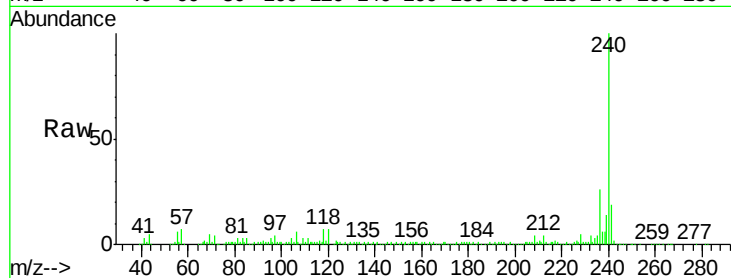
Tot Ion:240 Resp: 236072

Ion Ratio Lower Upper

240 100

120 7.3 8.1 12.1#

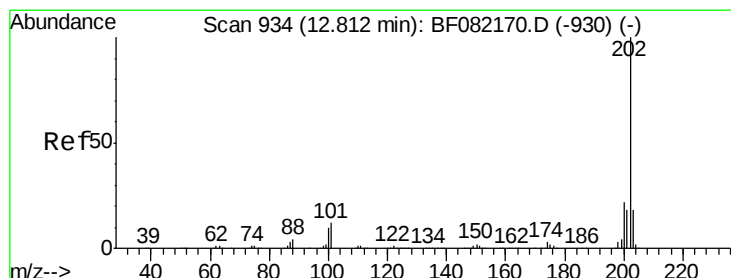
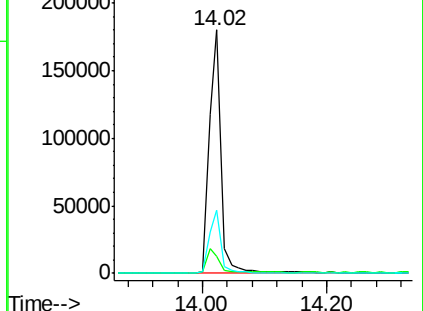
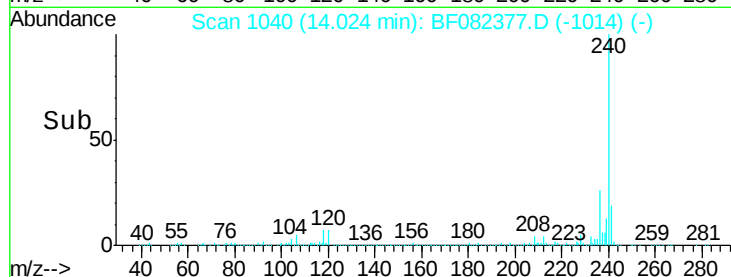
236 26.1 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.82 ng

RT: 12.78 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

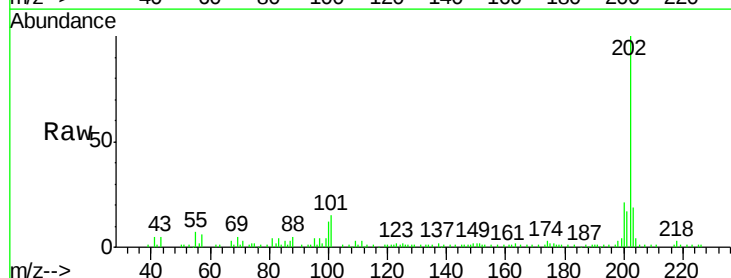
Tgt Ion:202 Resp: 95600

Ion Ratio Lower Upper

202 100

200 20.6 17.9 26.9

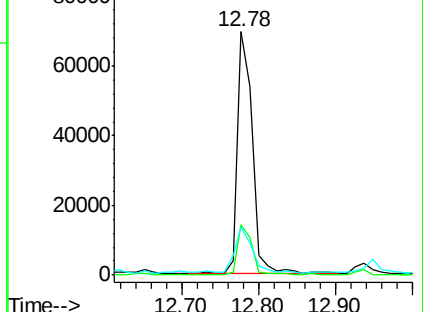
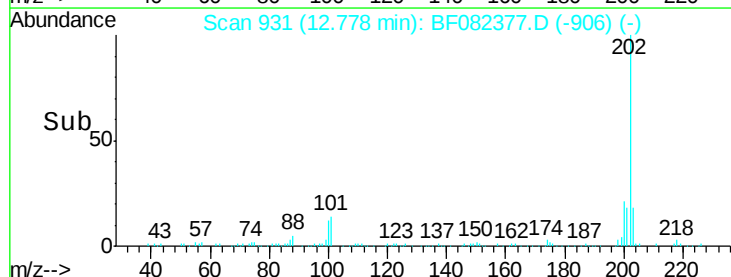
203 19.5 14.5 21.7

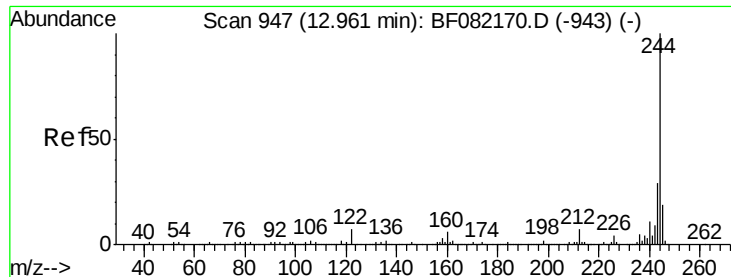


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

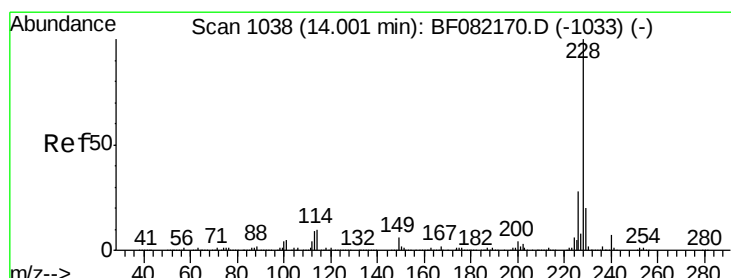
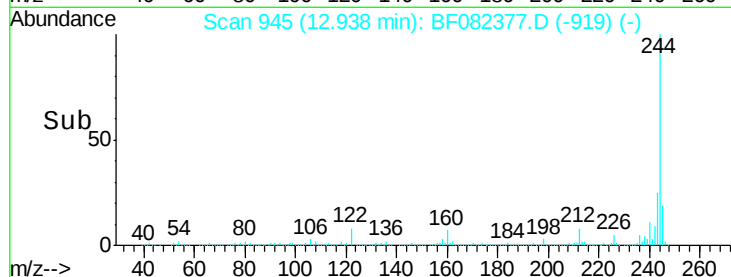
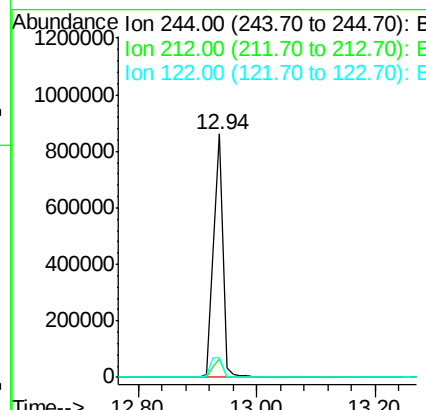
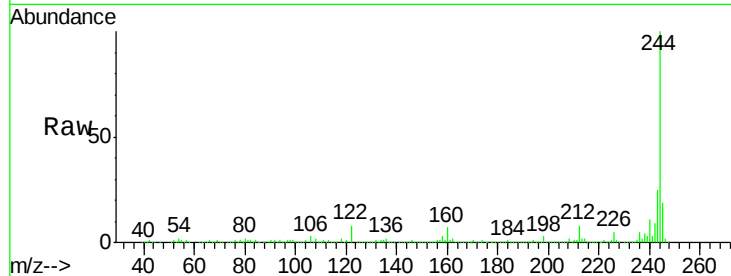




#78
 Terphenyl-d14
 Concen: 107.27 ng
 RT: 12.94 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

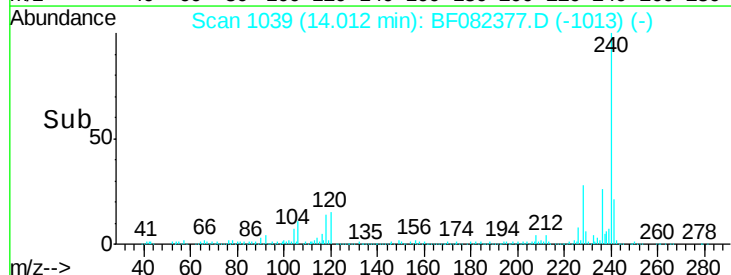
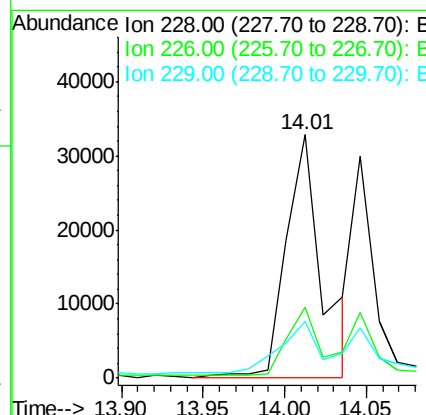
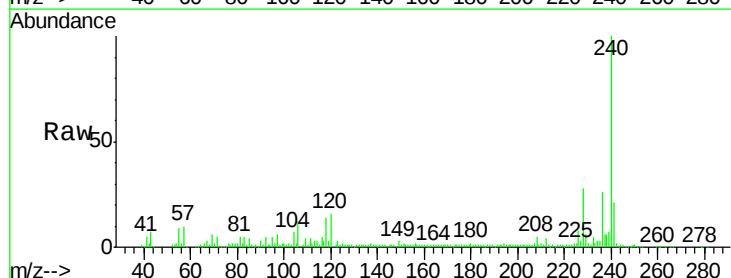
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-04

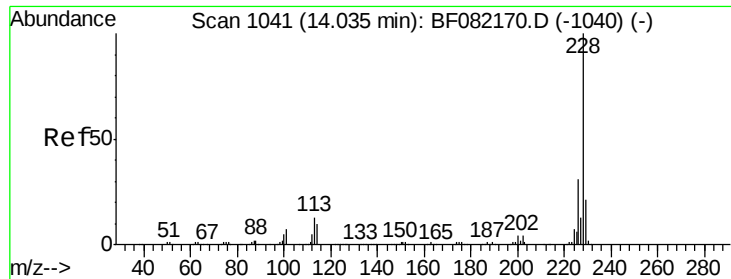
Tot Ion:244 Resp: 955618
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.6
 122 8.3 5.9 8.9



#80
 Benzo(a)anthracene
 Concen: 4.10 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Tgt Ion:228 Resp: 50348
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.3 33.5
 229 23.0 16.2 24.2





#82

Chrysene

Concen: 3.89 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-04

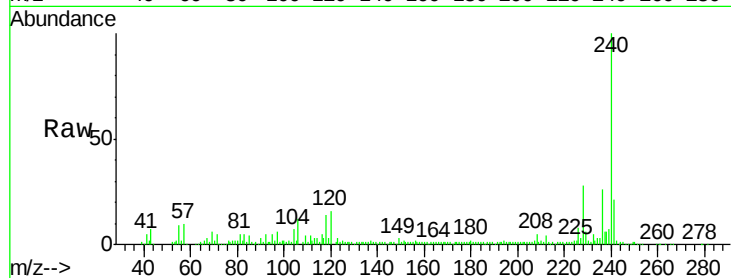
Tot Ion:228 Resp: 50348

Ion Ratio Lower Upper

228 100

226 29.0 24.4 36.6

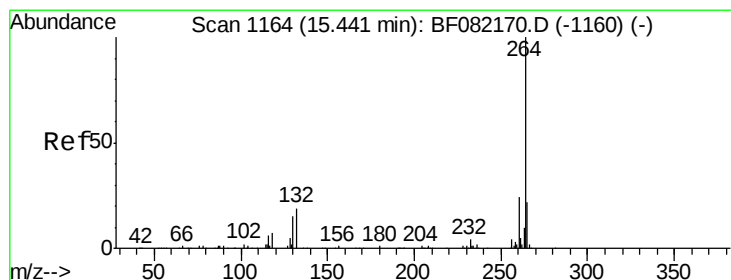
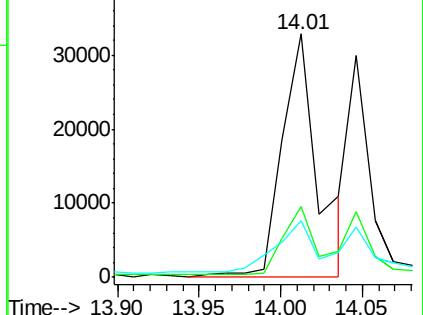
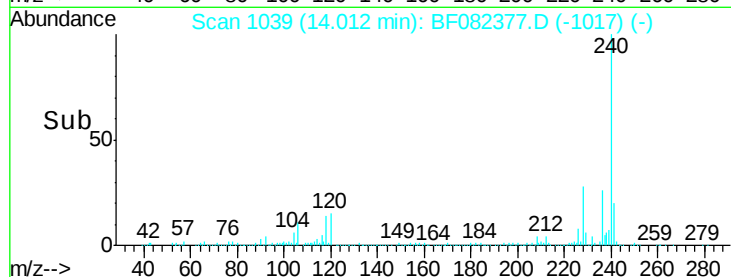
229 23.0 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

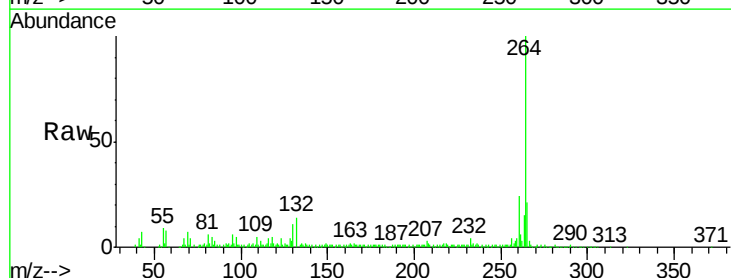
Tgt Ion:264 Resp: 210385

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

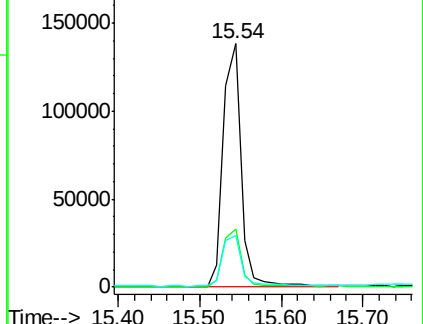
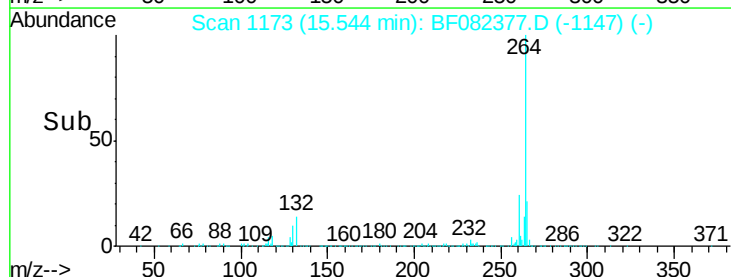
265 21.4 17.3 25.9

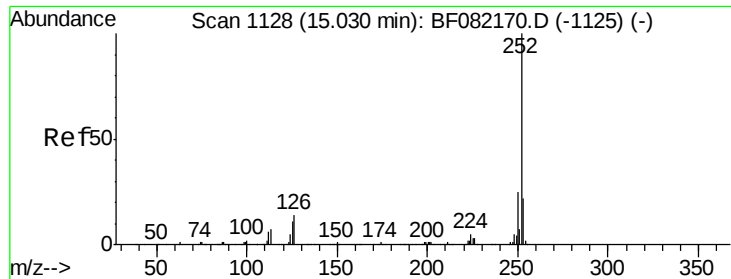


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.53 ng

RT: 15.12 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-04

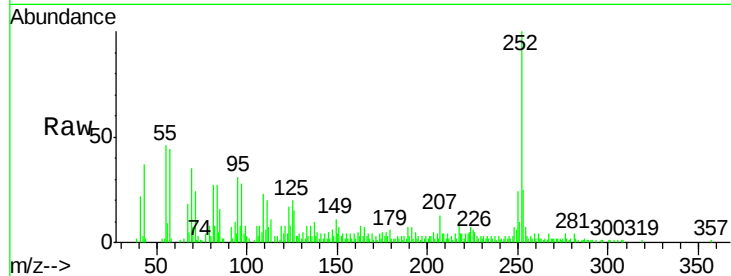
Tot Ion:252 Resp: 57939

Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

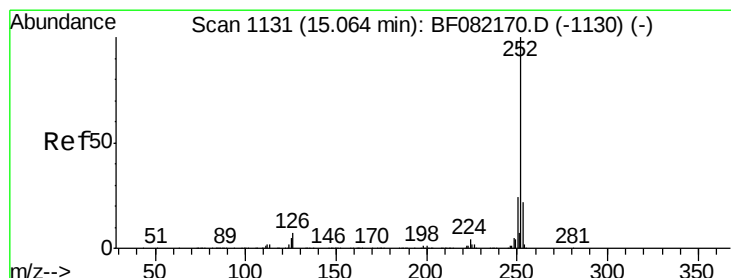
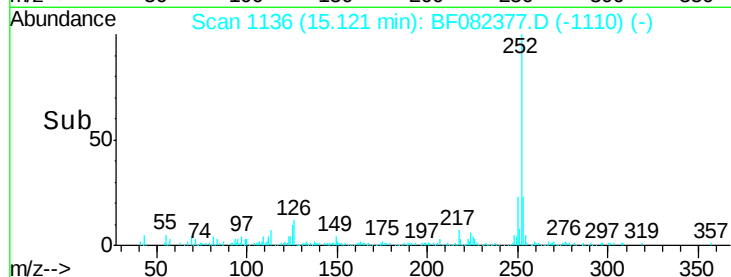
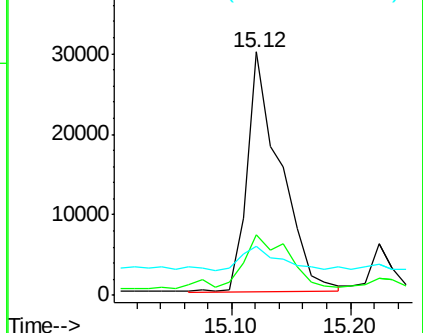
125 20.3 8.6 12.8#



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: 5.33 ng

RT: 15.12 min Scan# 1136

Delta R.T. -0.03 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

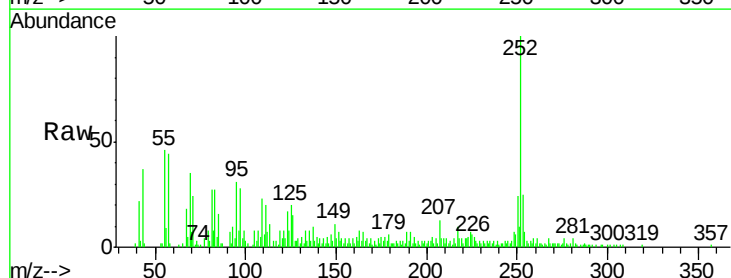
Tgt Ion:252 Resp: 57351

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

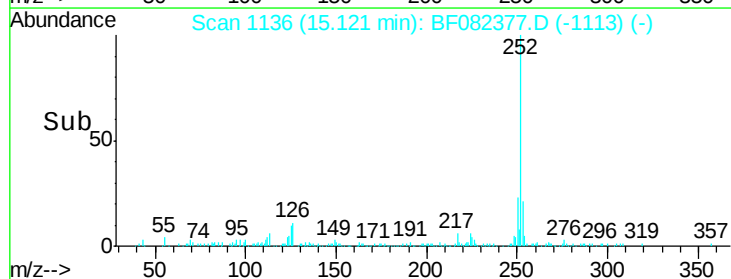
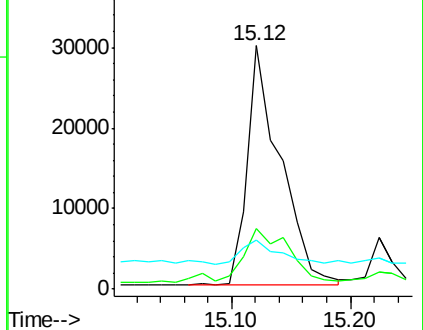
125 20.3 6.7 10.1#

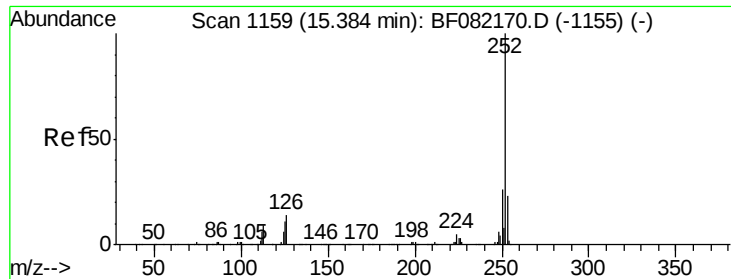


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

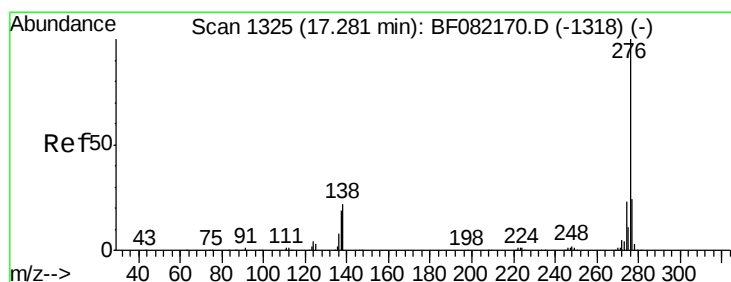
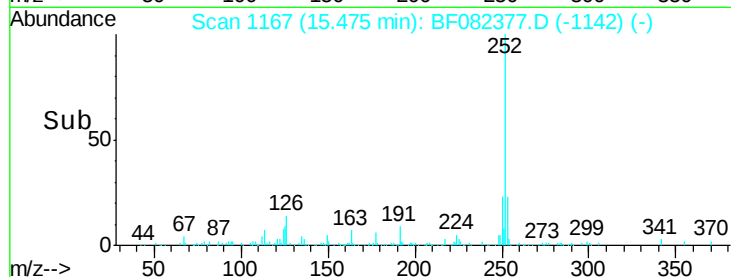
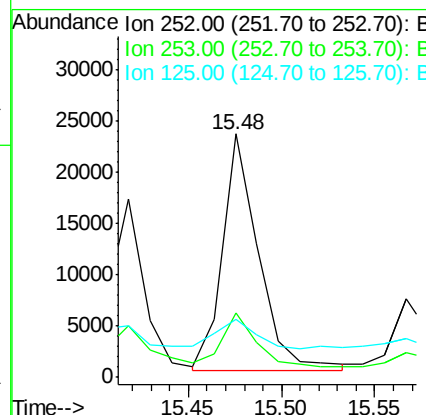
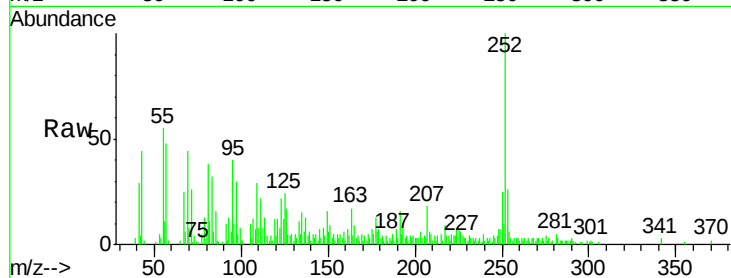




#89
Benzo(a)pyrene
Concen: 2.84 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.2	27.2
125	23.7	8.9	13.3



#91
Benzo(g,h,i)perylene
Concen: 2.02 ng
RT: 17.40 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.6	18.8	28.2
138	25.0	17.4	26.2

