

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071715\
 Data File : BE090161.D
 Acq On : 18 Jul 2015 00:36
 Operator : TP/IZ
 Sample : PB84515BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84515BSD

Quant Time: Jul 18 04:51:24 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 00:40:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	9671	5.00	ng	0.00
6) Naphthalene-d8	10.36	136	47236	5.00	ng	0.00
12) Acenaphthene-d10	14.22	164	26697	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	65875	5.00	ng	0.00
25) Chrysene-d12	21.11	240	79529	5.00	ng	0.00
32) Perylene-d12	23.43	264	80306	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	12688	5.58	ng	0.00
5) Phenol-d6	6.79	99	17745	6.05	ng	0.00
7) Nitrobenzene-d5	8.74	82	11273	3.60	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	3960	6.28	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	27152	3.45	ng	0.00
27) Terphenyl-d14	19.58	244	43877	3.30	ng	0.00

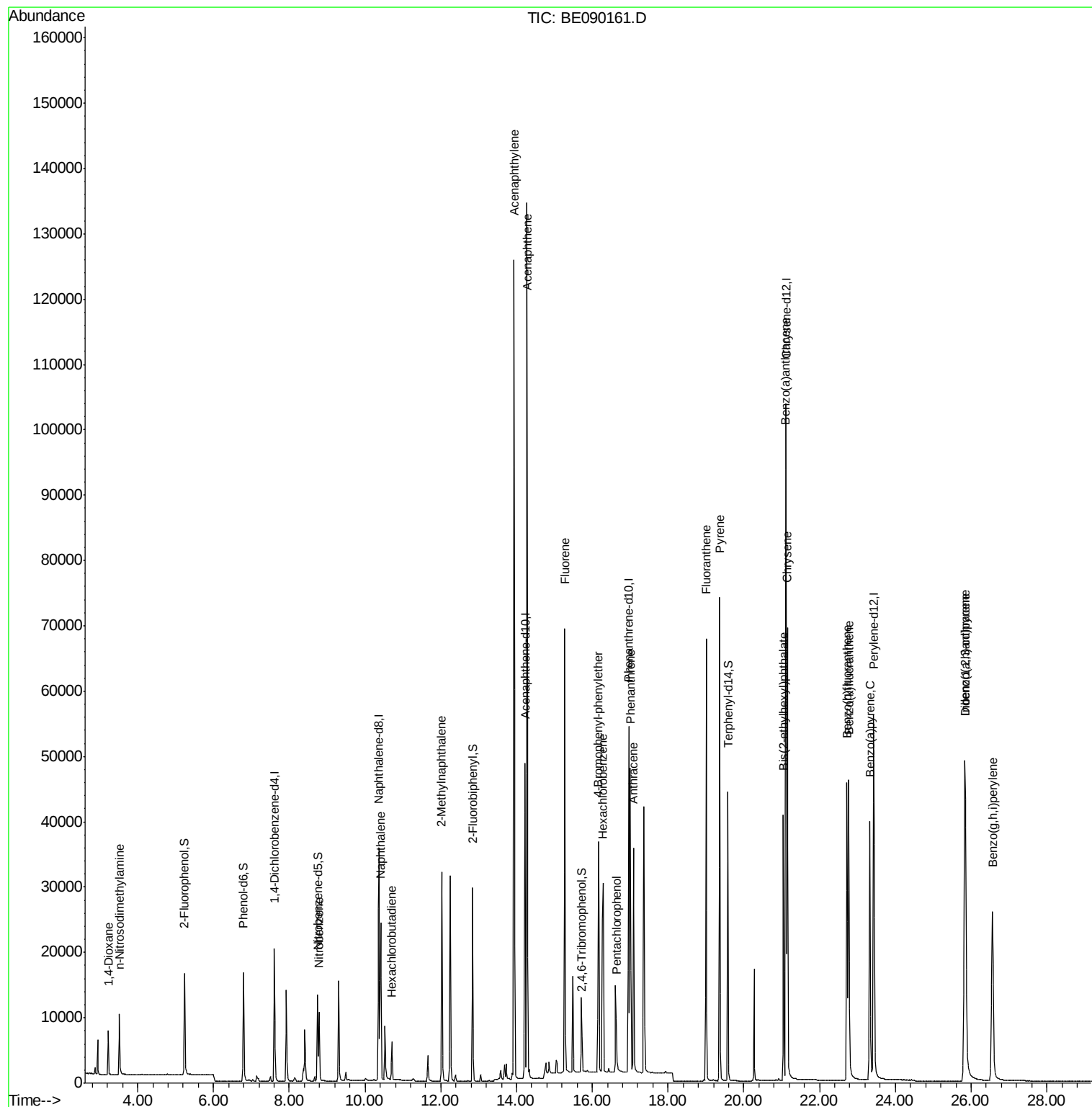
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	3658	3.62	ng	98
3) n-Nitrosodimethylamine	3.51	42	5865	3.42	ng	# 92
8) Nitrobenzene	8.78	77	11218	3.63	ng	98
9) Naphthalene	10.41	128	33639	3.32	ng	98
10) Hexachlorobutadiene	10.71	225	4004	3.21	ng	99
11) 2-Methylnaphthalene	12.03	142	23385	3.44	ng	99
15) Acenaphthylene	13.93	152	158488	3.30	ng	100
16) Acenaphthene	14.28	154	23030	3.40	ng	99
17) Fluorene	15.27	166	30716	3.36	ng	99
19) 4-Bromophenyl-phenylether	16.16	248	8382	3.42	ng	95
20) Hexachlorobenzene	16.28	284	28887	3.33	ng	99
21) Pentachlorophenol	16.63	266	6850	6.14	ng	92
22) Phenanthrene	17.00	178	50421	3.41	ng	100
23) Anthracene	17.08	178	48528	3.53	ng	99
24) Fluoranthene	19.00	202	58236	3.51	ng	100
26) Pyrene	19.36	202	62827	3.49	ng	100
28) Benzo(a)anthracene	21.10	228	61210	3.36	ng	100
29) Chrysene	21.15	228	62004	3.37	ng	99
30) Bis(2-ethylhexyl)phthalate	21.05	149	33579	3.60	ng	100
31) Indeno(1,2,3-cd)pyrene	25.83	276	71672	3.33	ng	100
33) Benzo(b)fluoranthene	22.72	252	58192	3.47	ng	99
34) Benzo(k)fluoranthene	22.77	252	66312	3.46	ng	99
35) Benzo(a)pyrene	23.32	252	58203	3.59	ng	99
36) Dibenzo(a,h)anthracene	25.85	278	58910	3.44	ng	99
37) Benzo(g,h,i)perylene	26.56	276	60359	3.41	ng	99

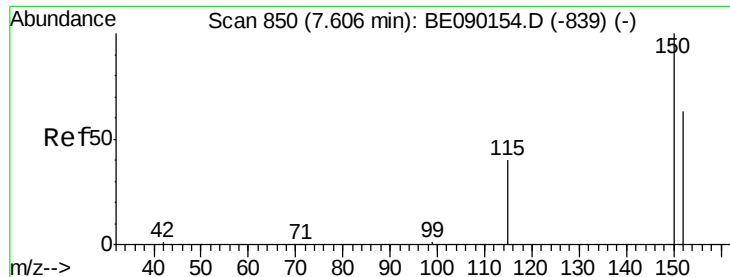
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 850

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

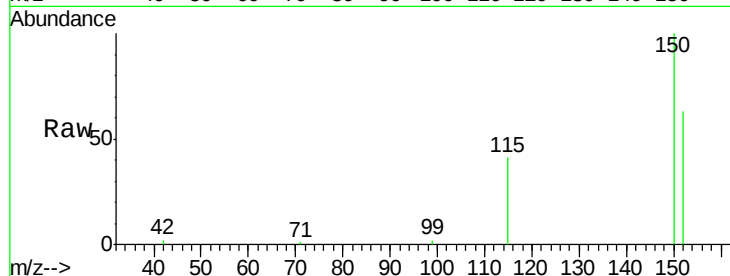
Tgt Ion:152 Resp: 9671

Ion Ratio Lower Upper

152 100

150 158.4 127.2 190.8

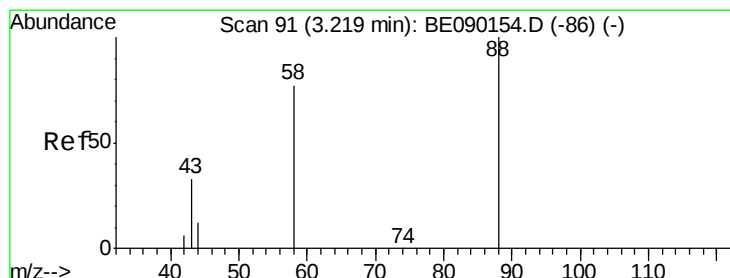
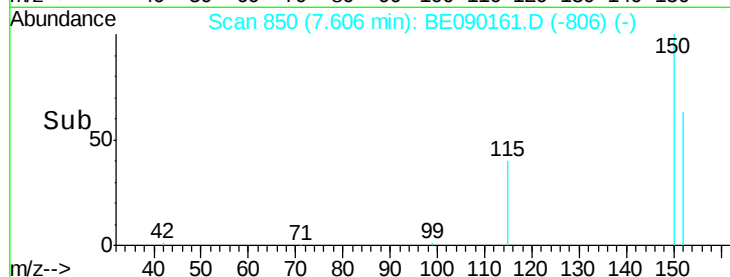
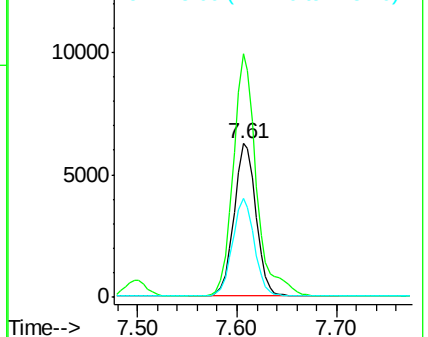
115 64.5 51.6 77.4



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



#2

1,4-Dioxane

Concen: 3.62 ng

RT: 3.22 min Scan# 91

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

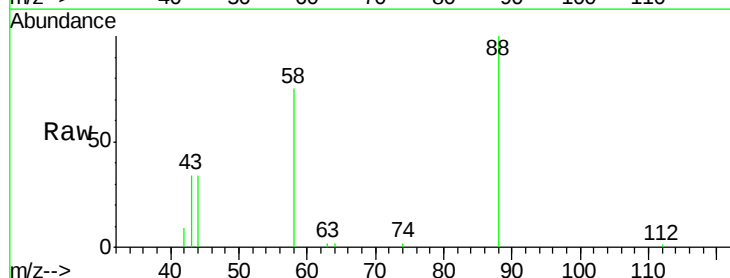
Tgt Ion: 88 Resp: 3658

Ion Ratio Lower Upper

88 100

58 75.1 58.2 87.2

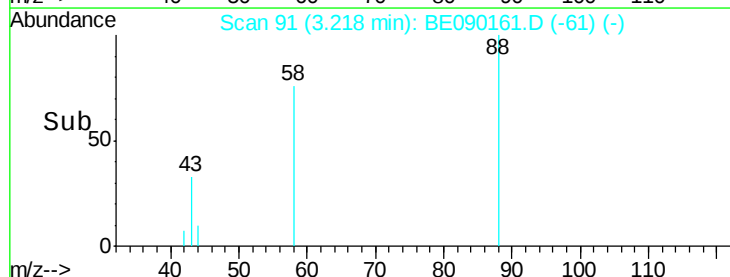
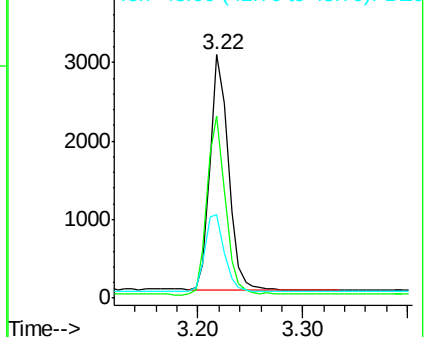
43 34.6 27.7 41.5

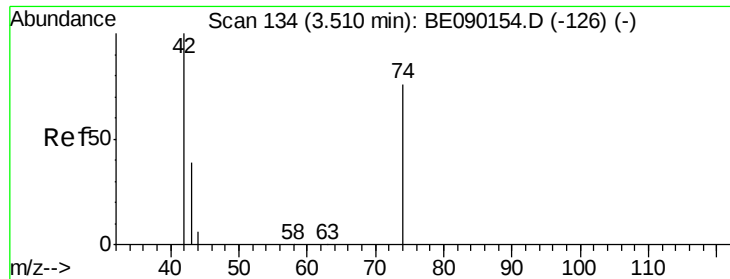


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.42 ng

RT: 3.51 min Scan# 134

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

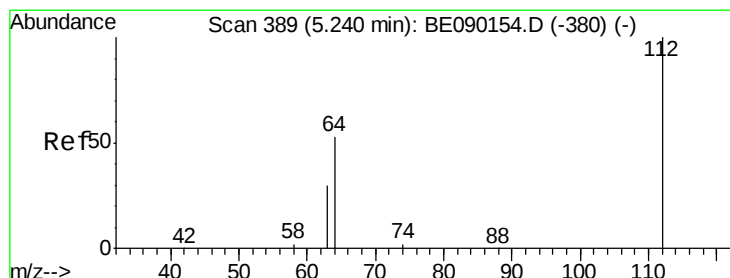
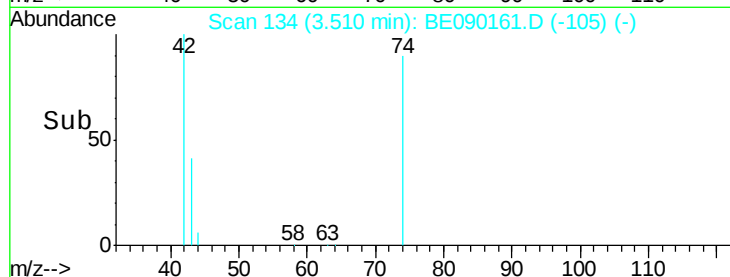
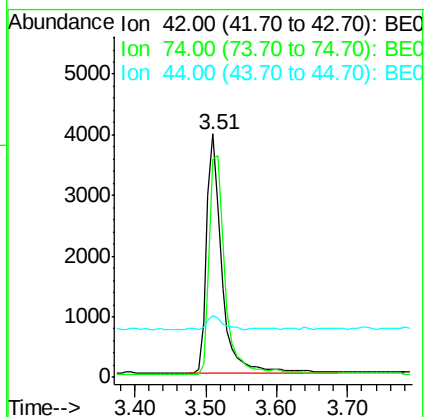
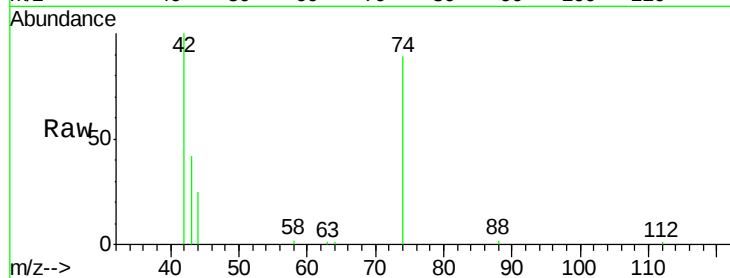
Tgt Ion: 42 Resp: 5865

Ion Ratio Lower Upper

42 100

74 94.1 82.2 123.4

44 7.0 7.5 11.3#



#4

2-Fluorophenol

Concen: 5.58 ng

RT: 5.24 min Scan# 389

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

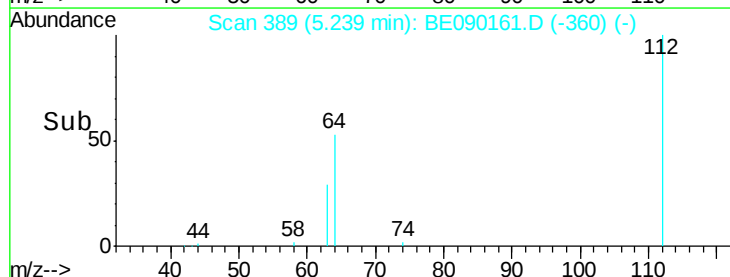
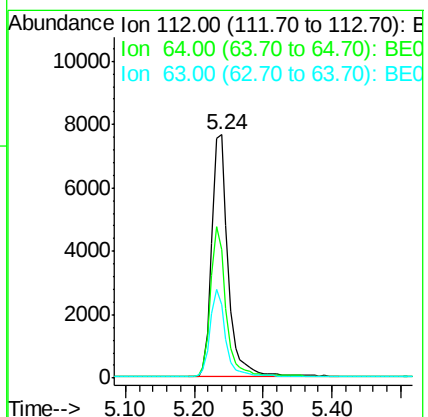
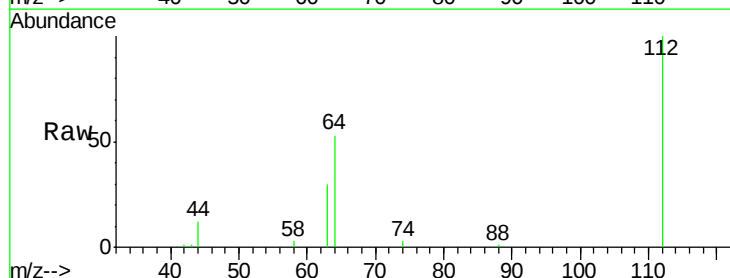
Tgt Ion: 112 Resp: 12688

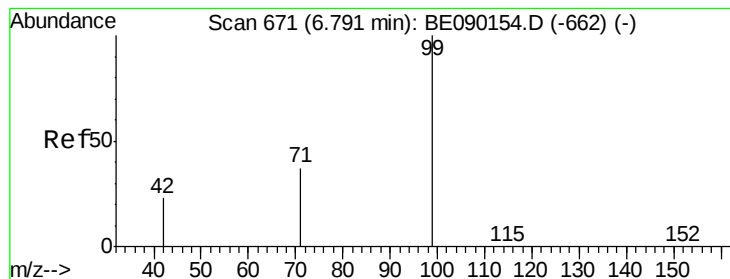
Ion Ratio Lower Upper

112 100

64 58.3 46.7 70.1

63 33.6 27.3 40.9





#5

Phenol-d6

Concen: 6.05 ng

RT: 6.79 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampled :

PB84515BSD

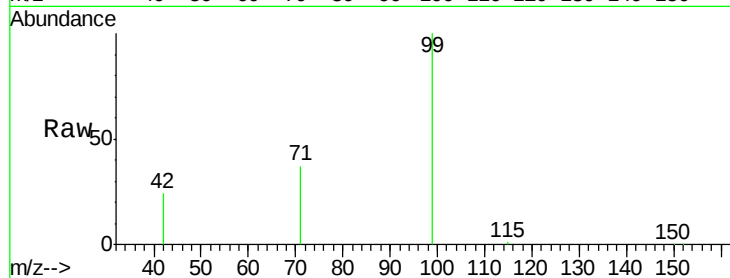
Tgt Ion: 99 Resp: 17745

Ion Ratio Lower Upper

99 100

42 24.7 19.1 28.7

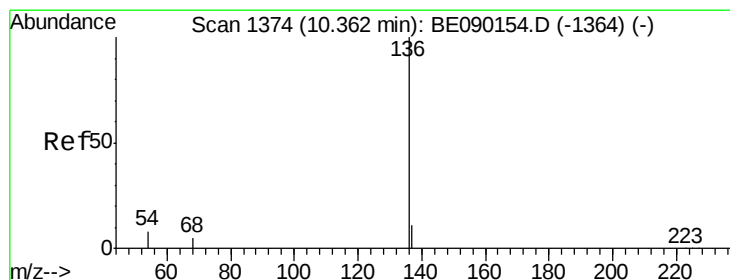
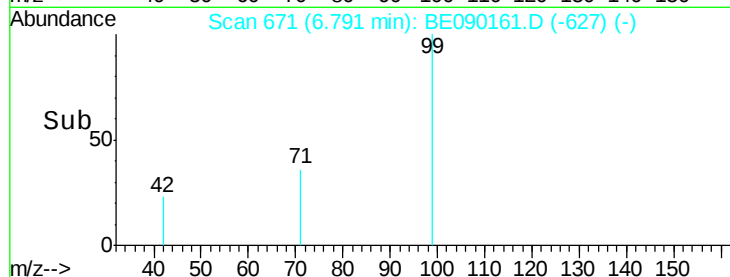
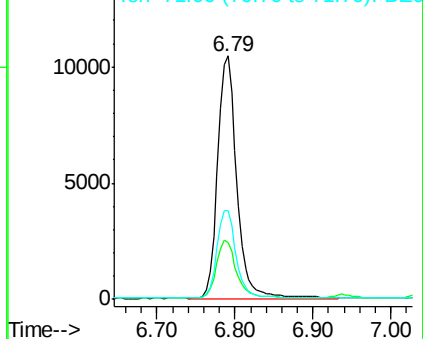
71 36.9 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Tgt Ion: 136 Resp: 47236

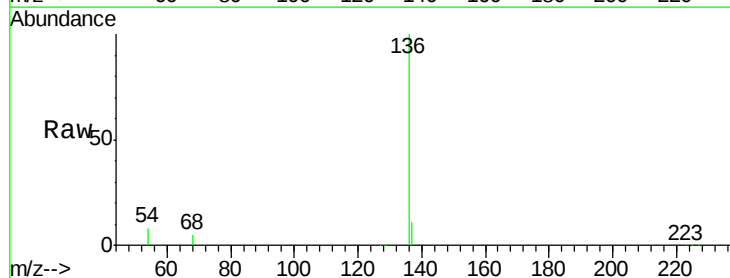
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.8 6.3 9.5

68 5.3 4.3 6.5

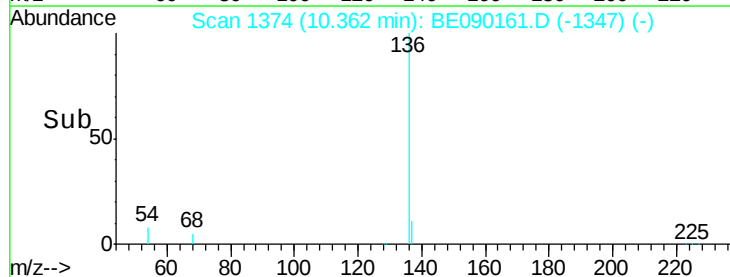
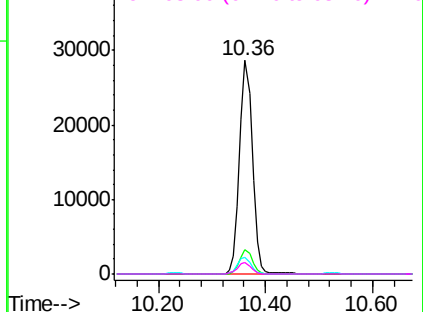


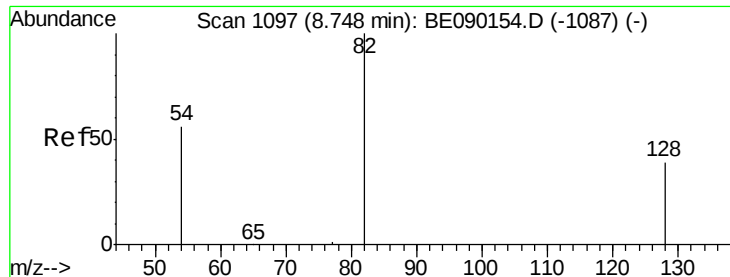
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.60 ng

RT: 8.74 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

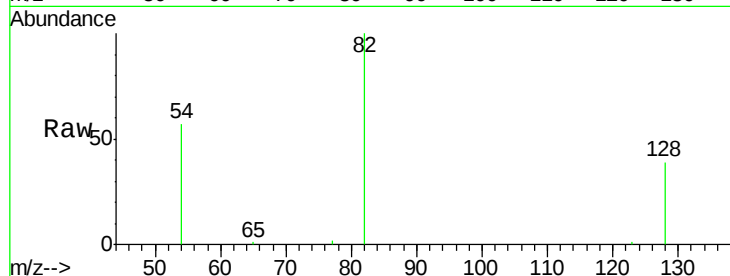
Tgt Ion: 82 Resp: 11273

Ion Ratio Lower Upper

82 100

128 38.9 32.7 49.1

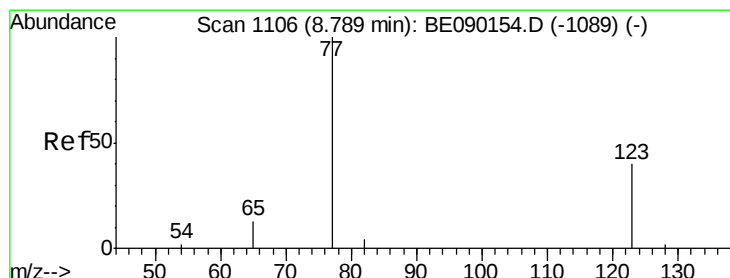
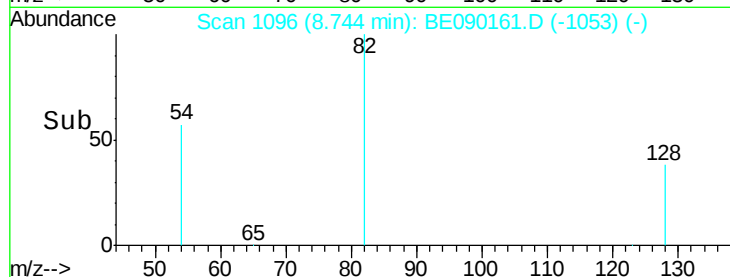
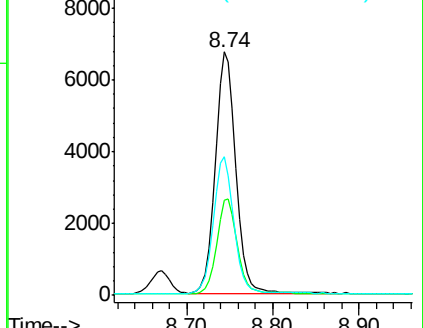
54 57.0 45.9 68.9



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 3.63 ng

RT: 8.78 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

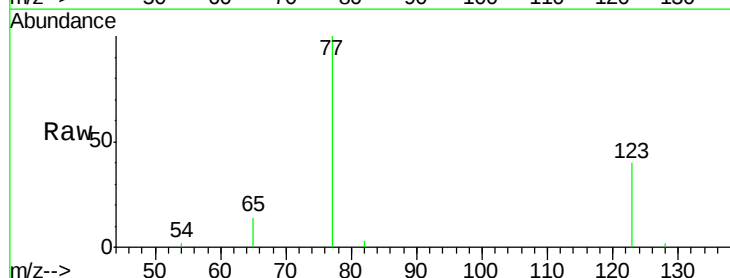
Tgt Ion: 77 Resp: 11218

Ion Ratio Lower Upper

77 100

123 41.8 32.3 48.5

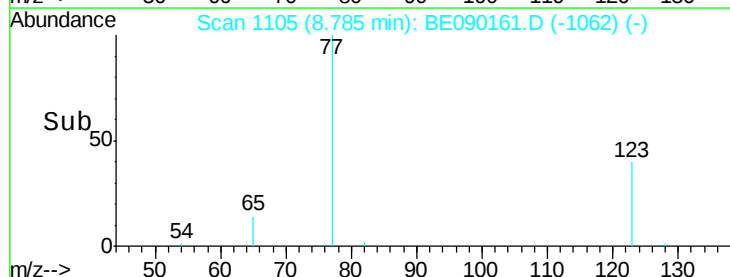
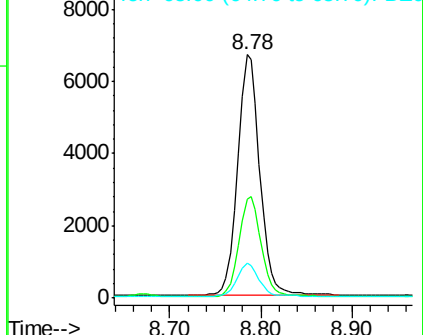
65 13.8 10.4 15.6

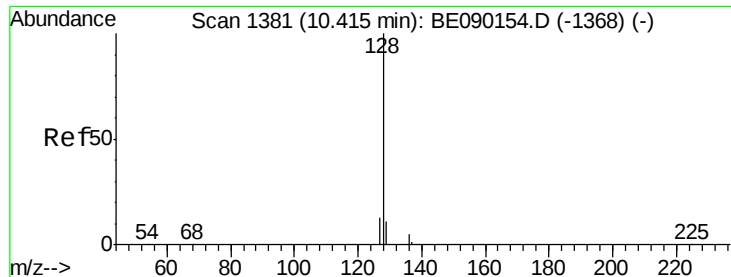


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 3.32 ng

RT: 10.41 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

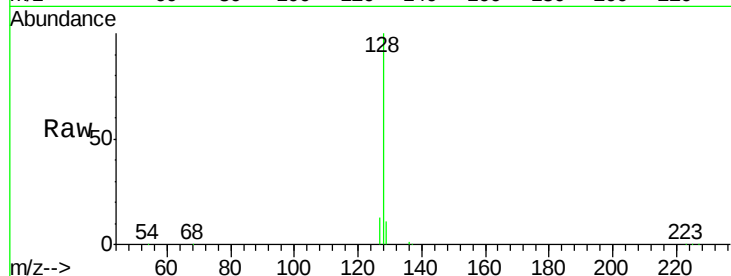
Tgt Ion:128 Resp: 33639

Ion Ratio Lower Upper

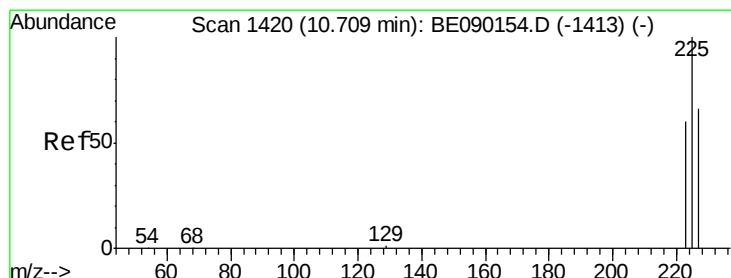
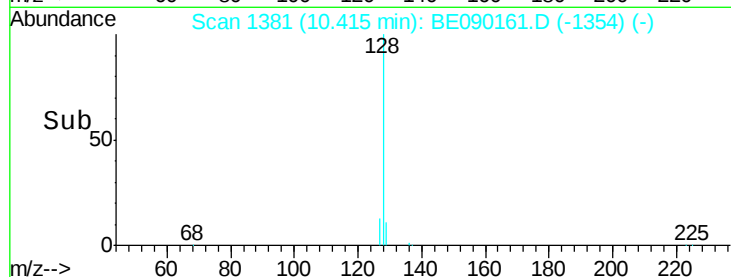
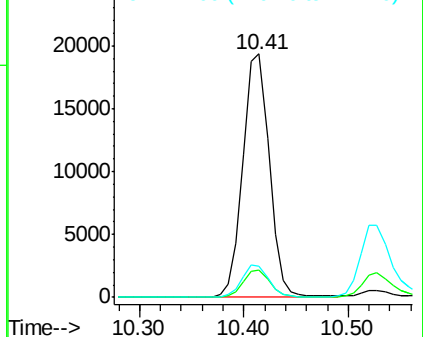
128 100

129 11.2 9.8 14.6

127 12.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 3.21 ng

RT: 10.71 min Scan# 1420

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

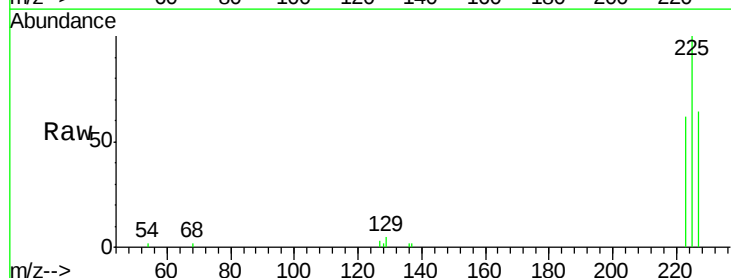
Tgt Ion:225 Resp: 4004

Ion Ratio Lower Upper

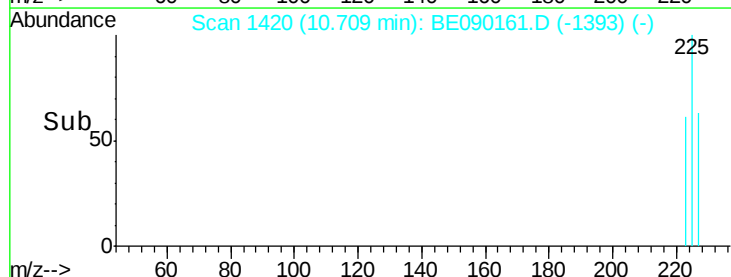
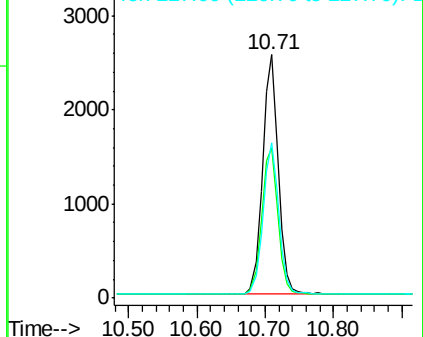
225 100

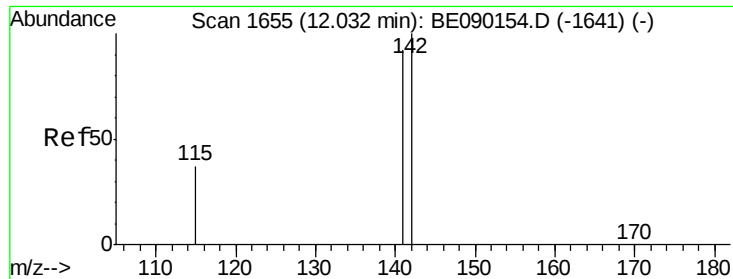
223 62.8 50.3 75.5

227 62.9 51.3 76.9



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

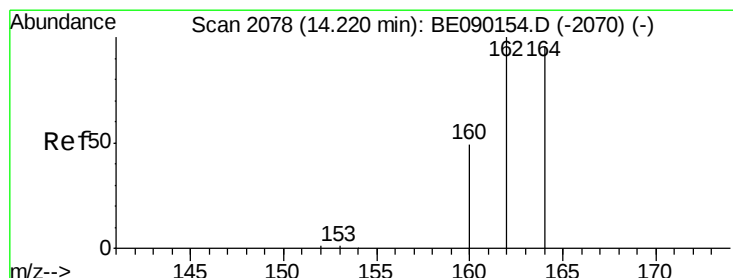
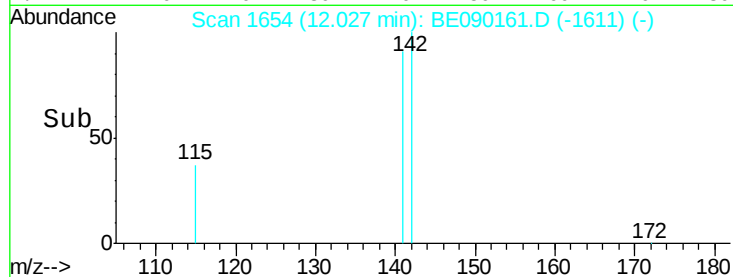
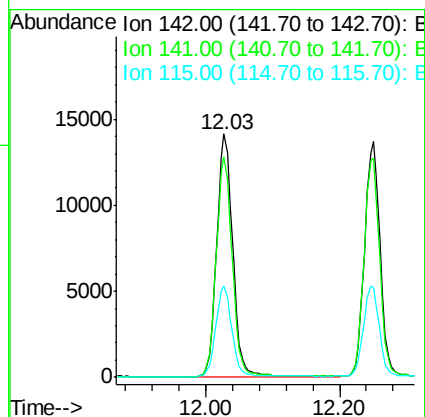
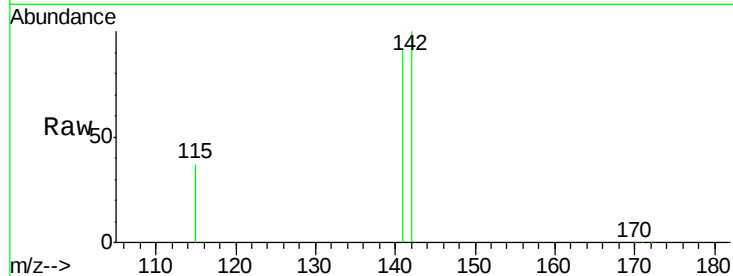




#11
2-Methylnaphthalene
Concen: 3.44 ng
RT: 12.03 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

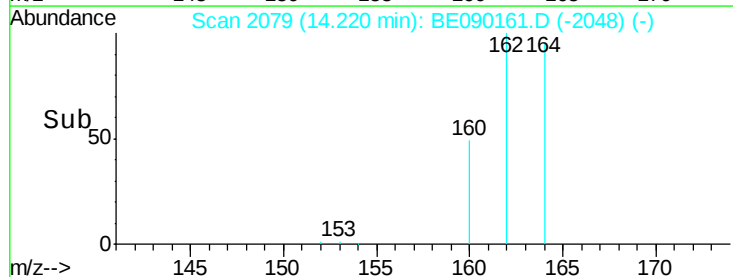
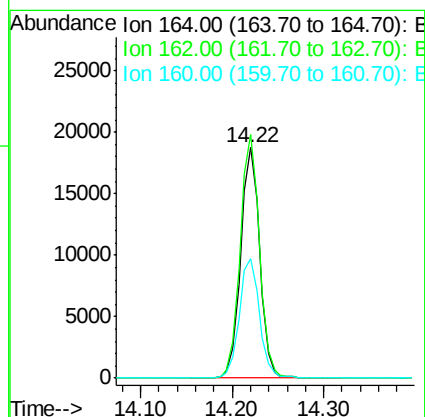
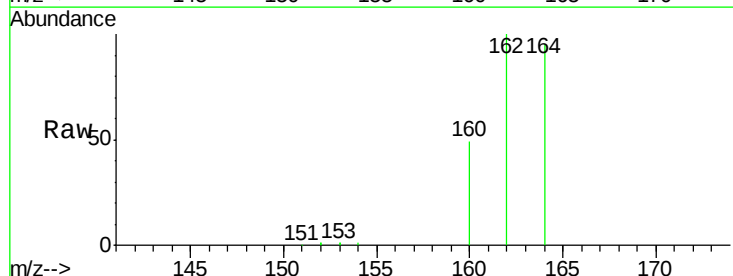
Instrument :
BNA_E
ClientSampleId :
PB84515BSD

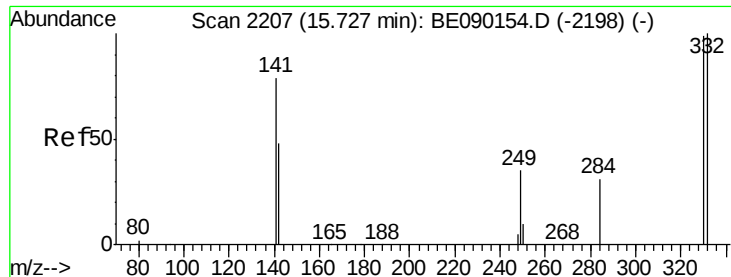
Tgt Ion:142 Resp: 23385
Ion Ratio Lower Upper
142 100
141 90.6 73.9 110.9
115 37.4 30.0 45.0



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.22 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:164 Resp: 26697
Ion Ratio Lower Upper
164 100
162 105.7 83.3 124.9
160 52.0 40.9 61.3

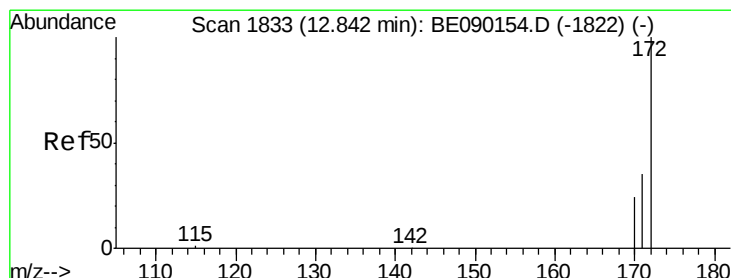
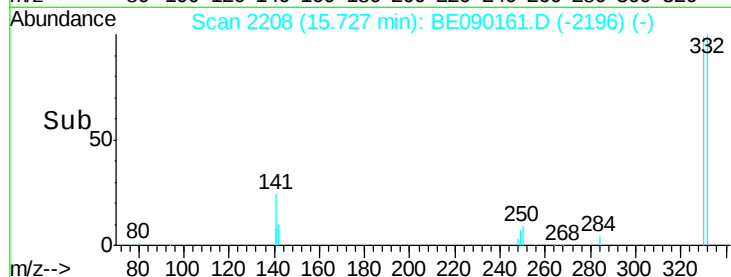
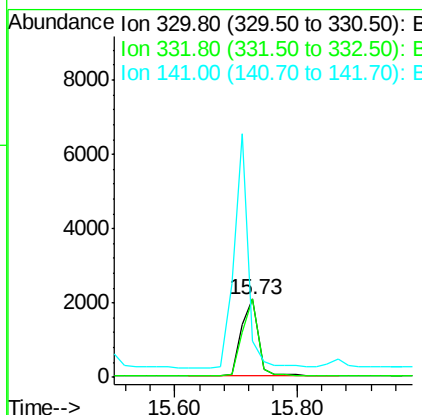
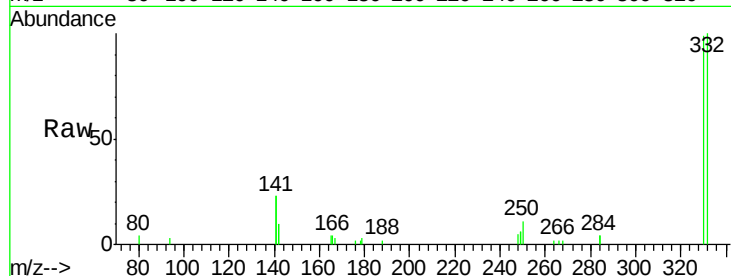




#13
 2,4,6-Tribromophenol
 Concen: 6.28 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

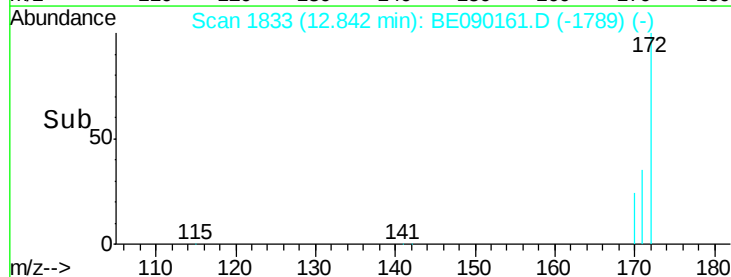
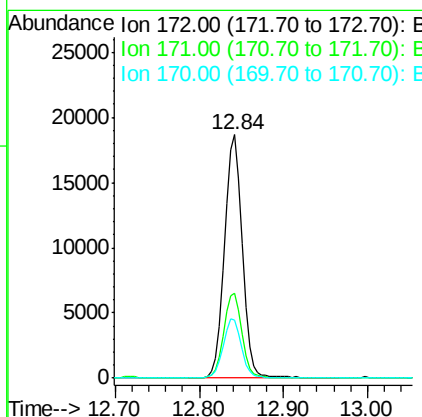
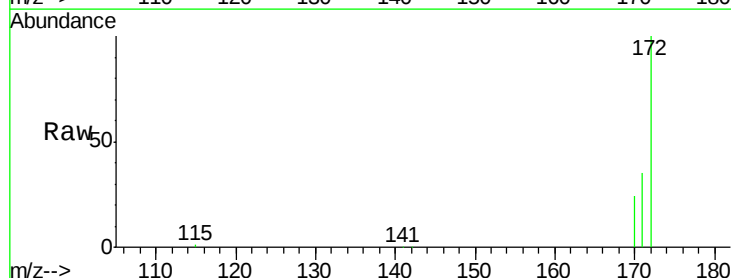
Instrument :
 BNA_E
 ClientSampleId :
 PB84515BSD

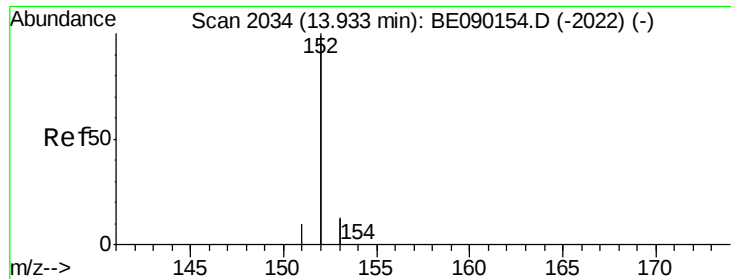
Tgt Ion:330 Resp: 3960
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.2 117.2
 141 257.7 215.8 323.6



#14
 2-Fluorobiphenyl
 Concen: 3.45 ng
 RT: 12.84 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

Tgt Ion:172 Resp: 27152
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.9 19.7 29.5





#15

Acenaphthylene

Concen: 3.30 ng

RT: 13.93 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

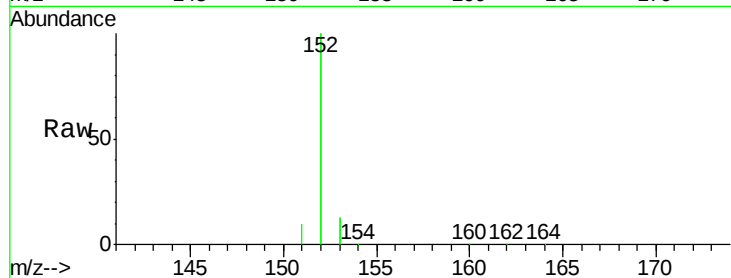
Tgt Ion:152 Resp: 158488

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

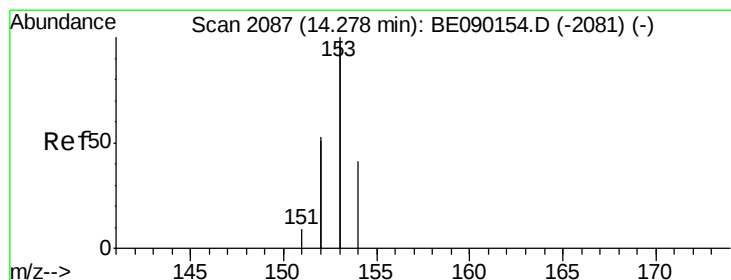
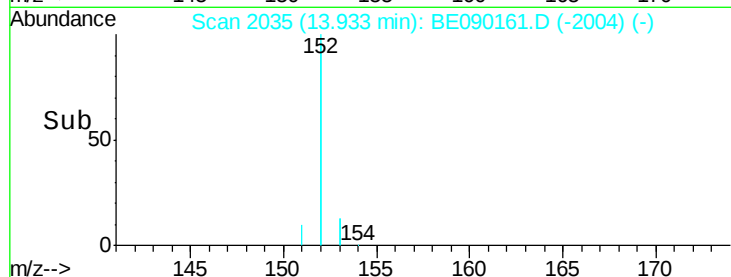
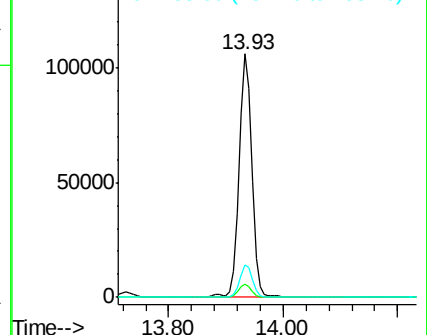
153 13.1 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 3.40 ng

RT: 14.28 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

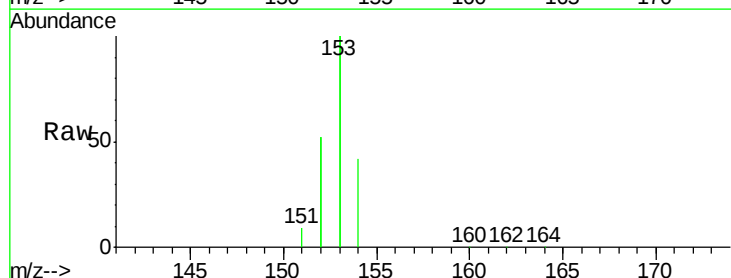
Tgt Ion:154 Resp: 23030

Ion Ratio Lower Upper

154 100

153 470.0 376.9 565.3

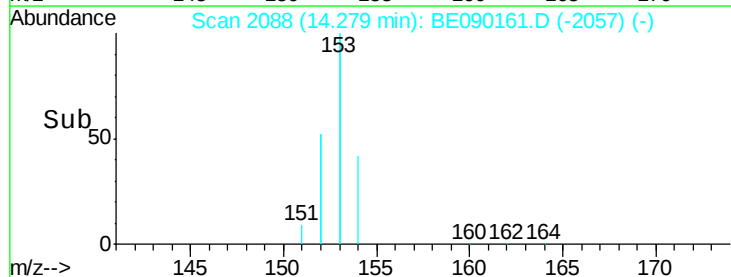
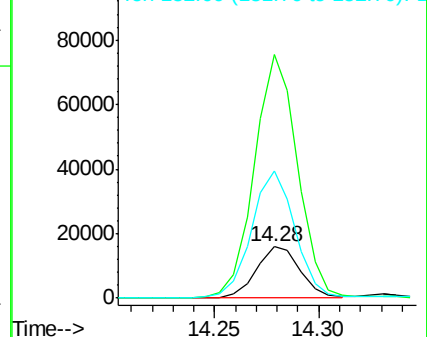
152 246.2 199.0 298.6

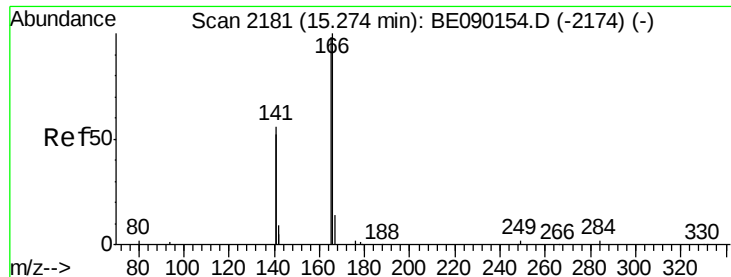


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

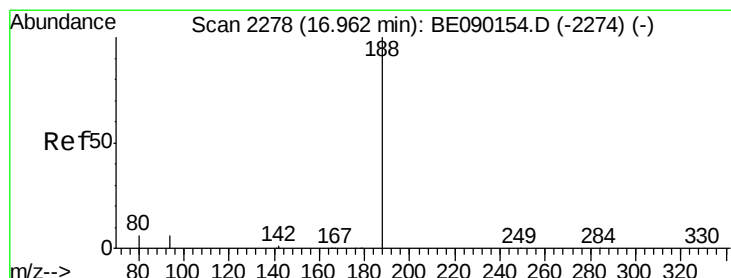
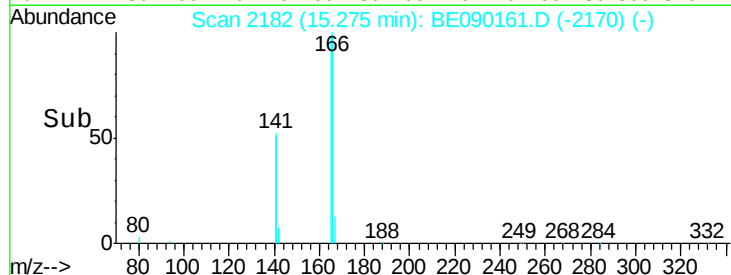
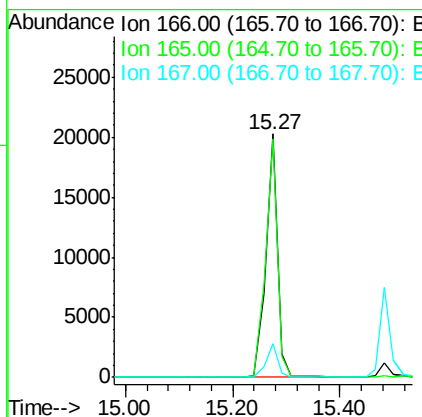
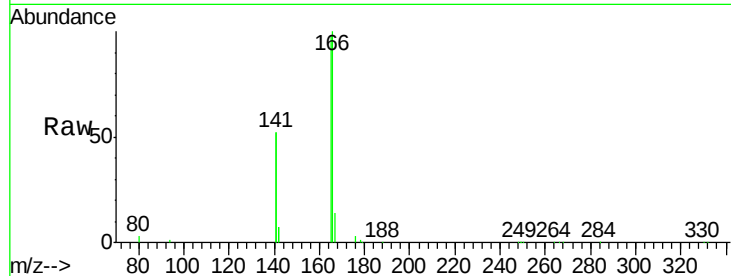




#17
Fluorene
 Concen: 3.36 ng
 RT: 15.27 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

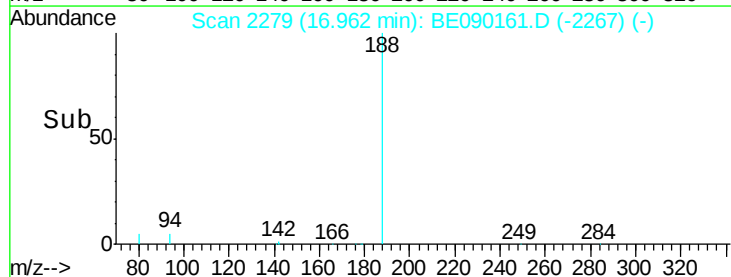
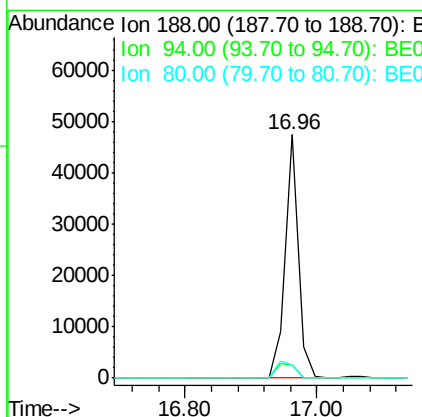
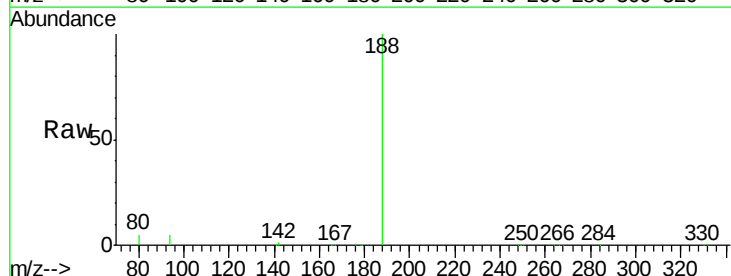
Instrument :
 BNA_E
 ClientSampleId :
 PB84515BSD

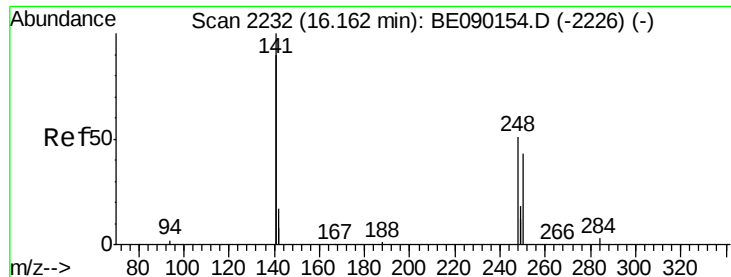
Tgt Ion:166 Resp: 30716
 Ion Ratio Lower Upper
 166 100
 165 100.7 81.5 122.3
 167 13.6 11.9 17.9



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.96 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

Tgt Ion:188 Resp: 65875
 Ion Ratio Lower Upper
 188 100
 94 5.4 4.6 7.0
 80 5.5 4.6 6.8

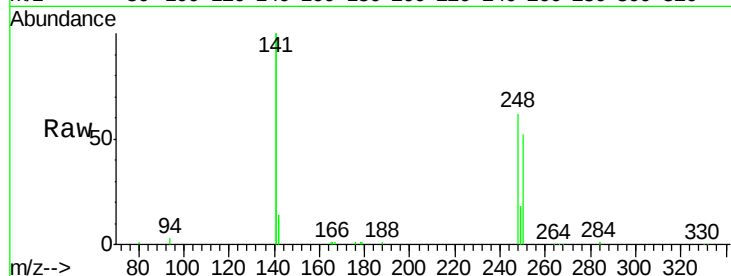




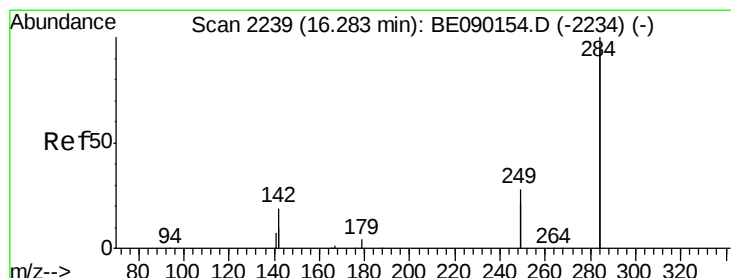
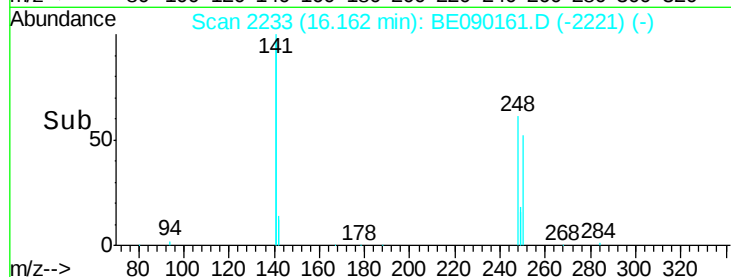
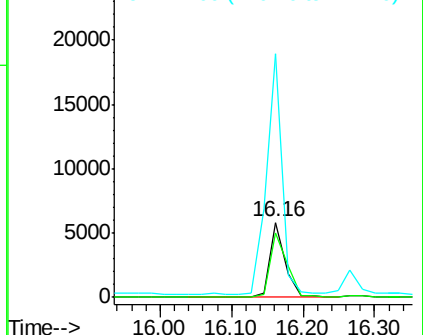
#19
4-Bromophenyl-phenylether
Concen: 3.42 ng
RT: 16.16 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Instrument :
BNA_E
ClientSampleId :
PB84515BSD

Tgt Ion:248 Resp: 8382
Ion Ratio Lower Upper
248 100
250 95.1 77.4 116.0
141 338.5 281.3 421.9

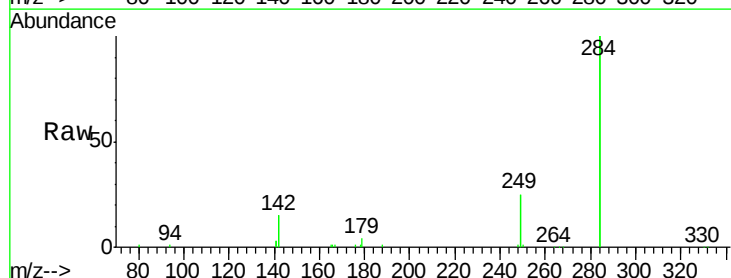


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

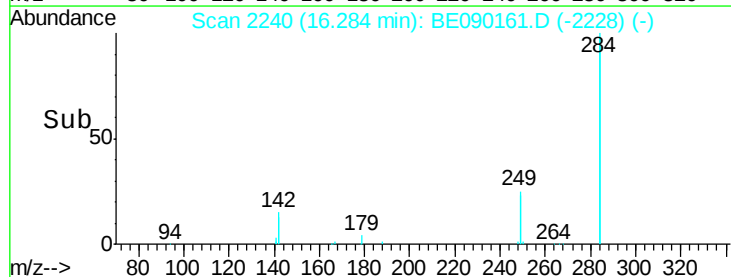
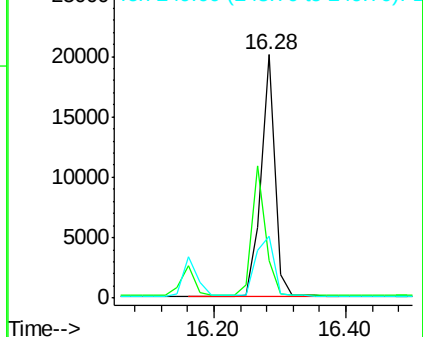


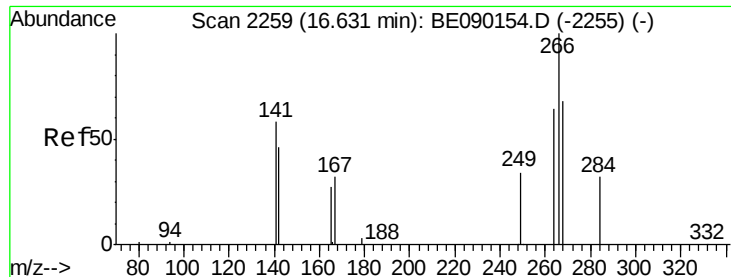
#20
Hexachlorobenzene
Concen: 3.33 ng
RT: 16.28 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BE090161.D
Acq: 18 Jul 2015 00:36

Tgt Ion:284 Resp: 28887
Ion Ratio Lower Upper
284 100
142 52.5 42.2 63.2
249 32.4 25.5 38.3



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

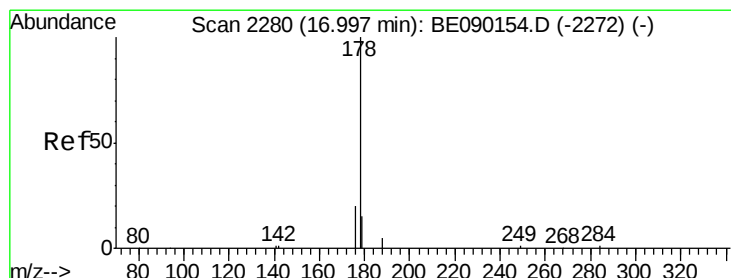
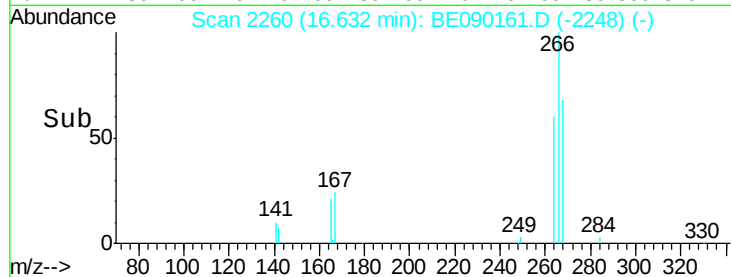
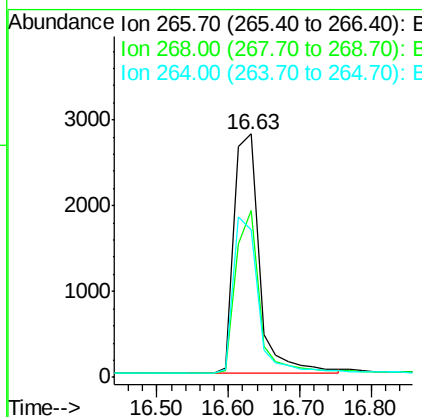
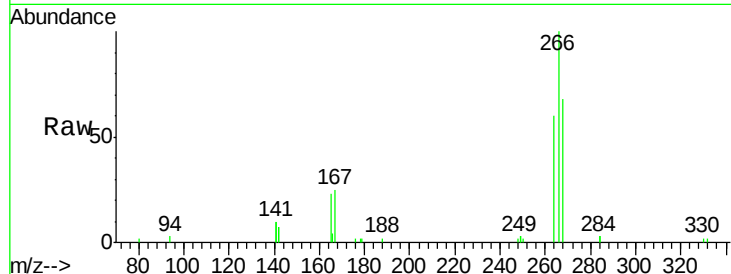




#21
 Pentachlorophenol
 Concen: 6.14 ng
 RT: 16.63 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

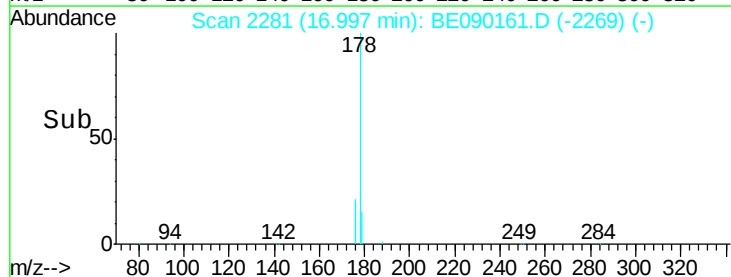
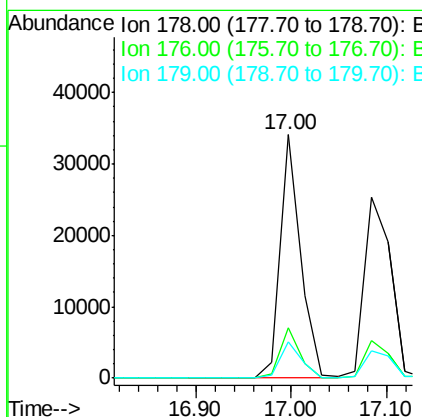
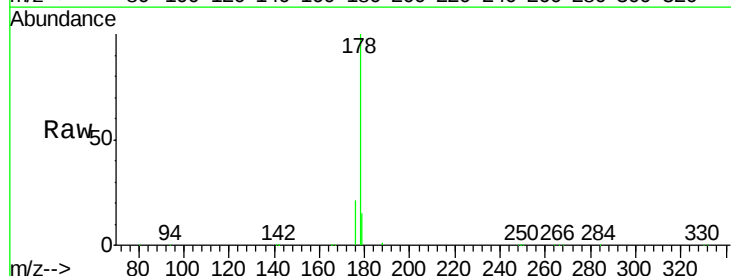
Instrument :
 BNA_E
 ClientSampleId :
 PB84515BSD

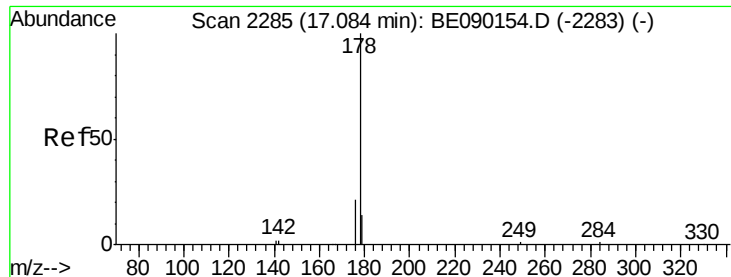
Tgt Ion:266 Resp: 6850
 Ion Ratio Lower Upper
 266 100
 268 68.5 58.2 87.4
 264 60.4 55.0 82.4



#22
 Phenanthrene
 Concen: 3.41 ng
 RT: 17.00 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

Tgt Ion:178 Resp: 50421
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.9 23.9
 179 15.3 12.5 18.7





#23

Anthracene

Concen: 3.53 ng

RT: 17.08 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

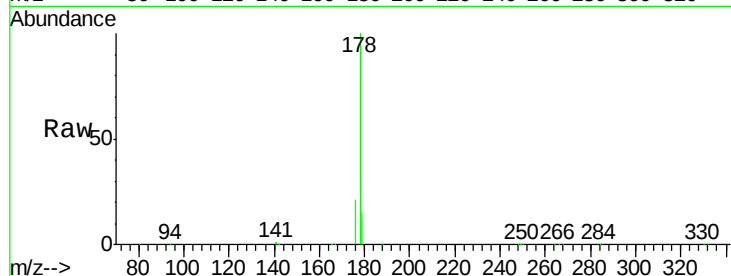
Tgt Ion:178 Resp: 48528

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

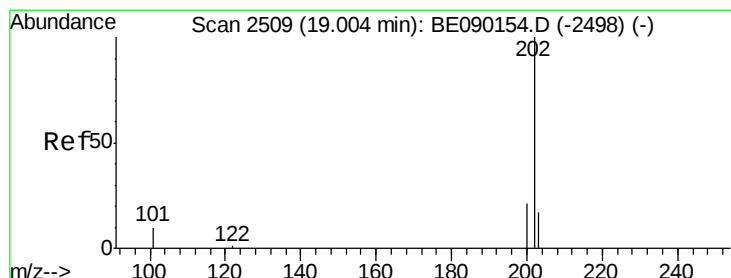
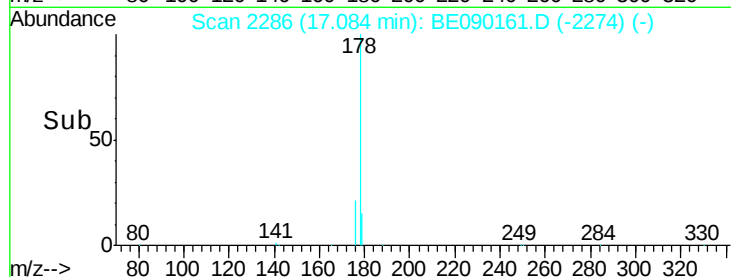
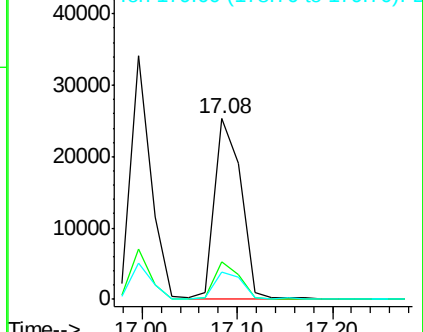
179 15.7 12.2 18.2



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



#24

Fluoranthene

Concen: 3.51 ng

RT: 19.00 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

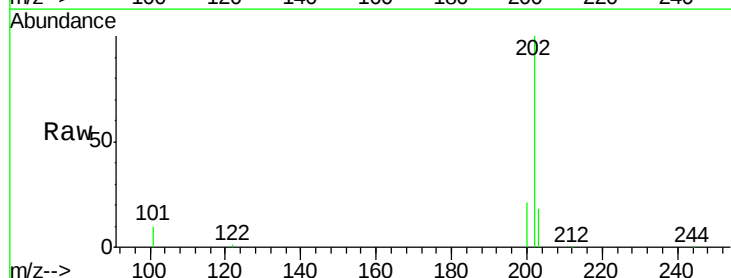
Tgt Ion:202 Resp: 58236

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

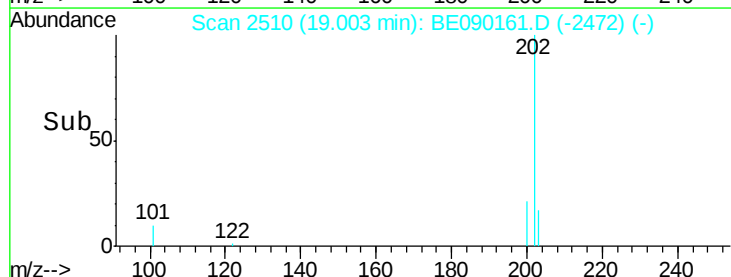
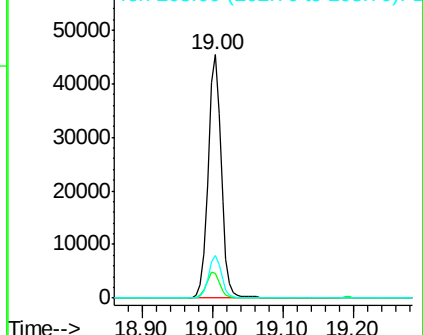
203 17.4 13.9 20.9

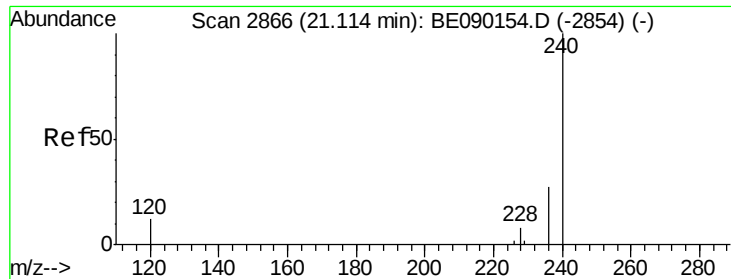


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.11 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

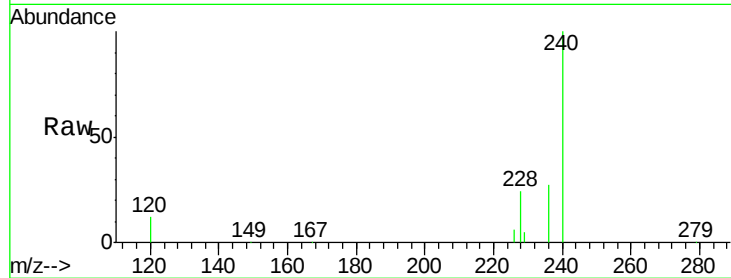
Tgt Ion:240 Resp: 79529

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.0

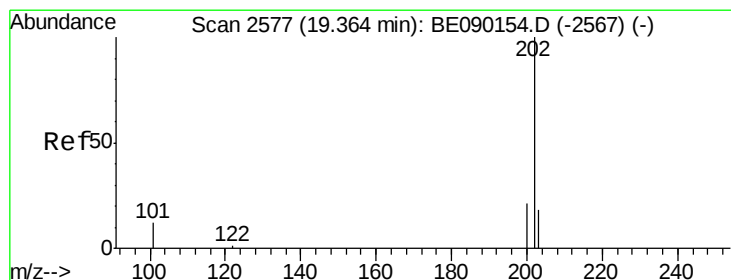
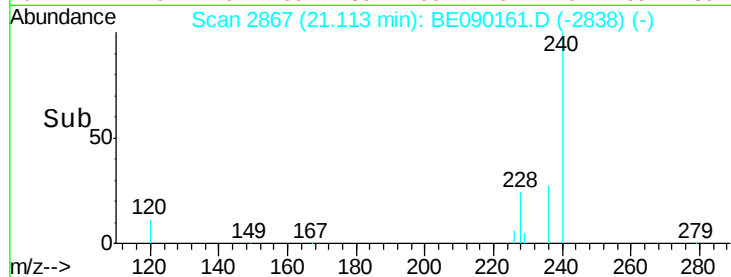
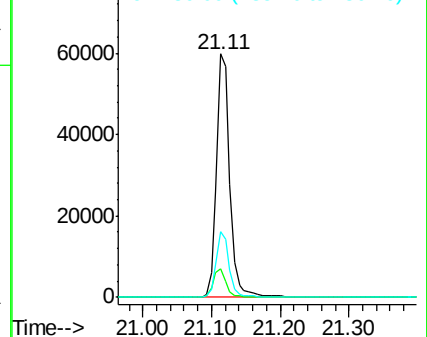
236 27.1 21.8 32.8



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



#26

Pyrene

Concen: 3.49 ng

RT: 19.36 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

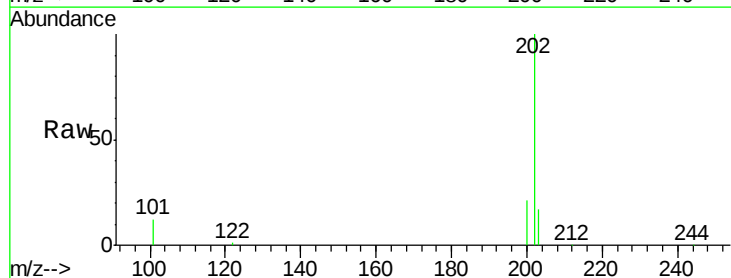
Tgt Ion:202 Resp: 62827

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

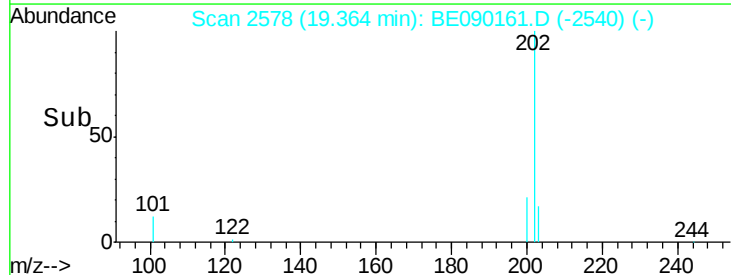
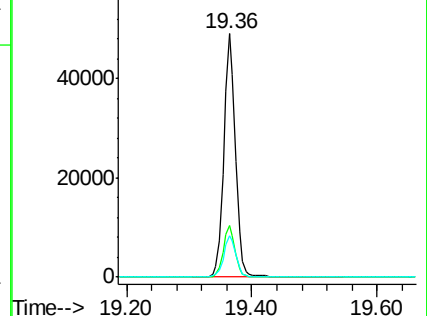
203 17.9 14.1 21.1

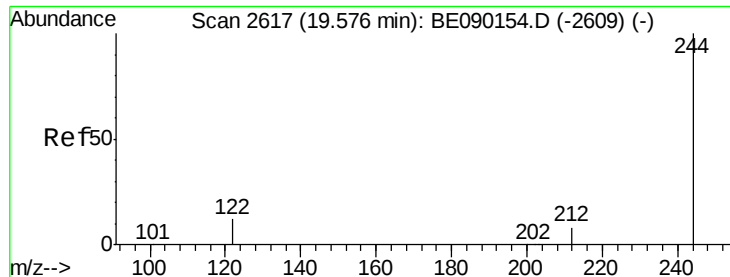


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

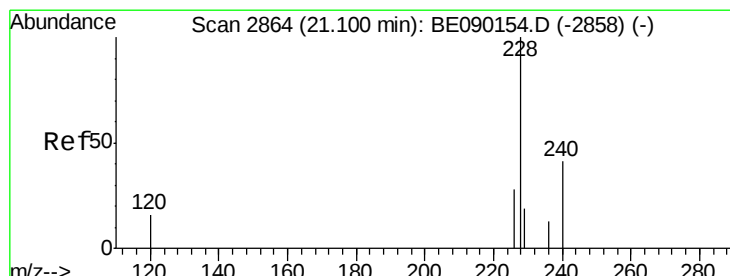
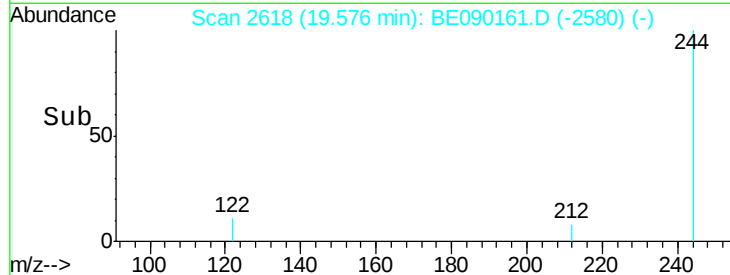
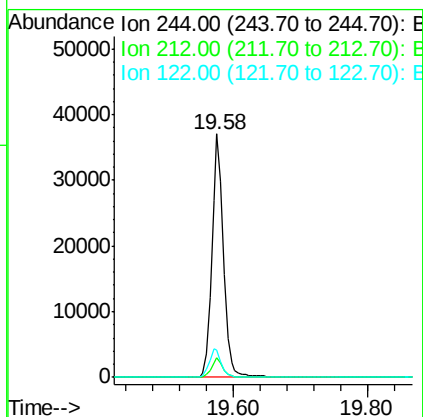
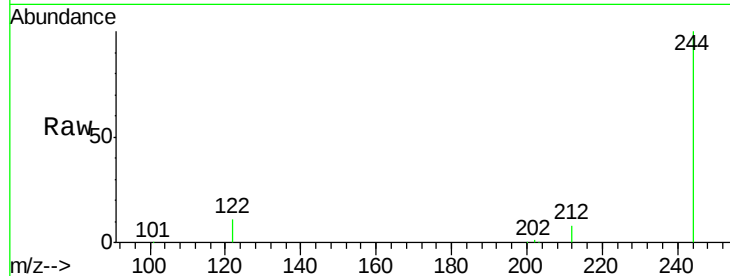




#27
 Terphenyl-d14
 Concen: 3.30 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

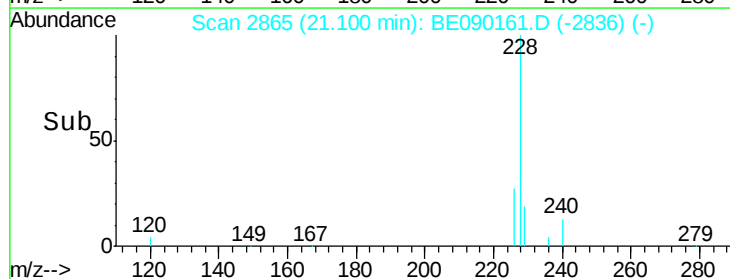
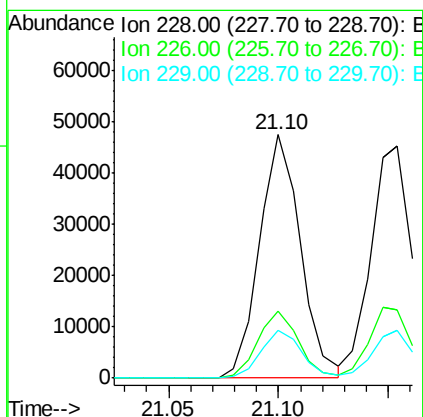
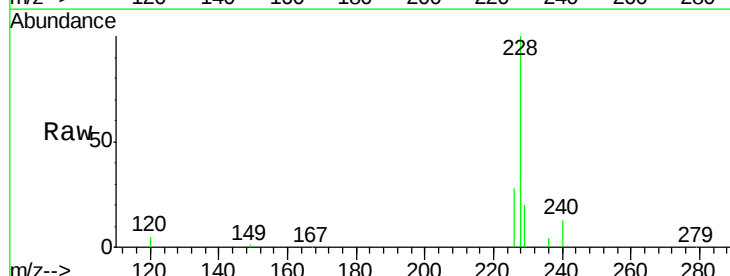
Instrument :
 BNA_E
 ClientSampleId :
 PB84515BSD

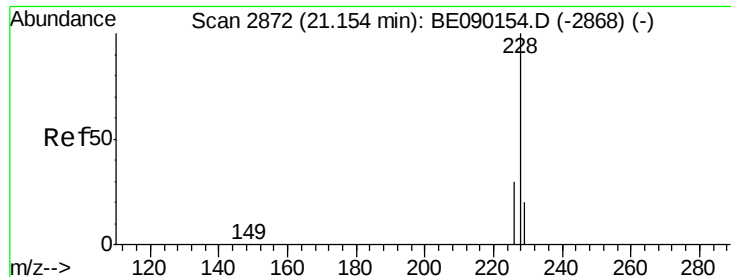
Tgt Ion: 244 Resp: 43877
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 11.2 9.8 14.6



#28
 Benzo(a)anthracene
 Concen: 3.36 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

Tgt Ion: 228 Resp: 61210
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.2 33.4
 229 19.6 15.7 23.5





#29

Chrysene

Concen: 3.37 ng

RT: 21.15 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

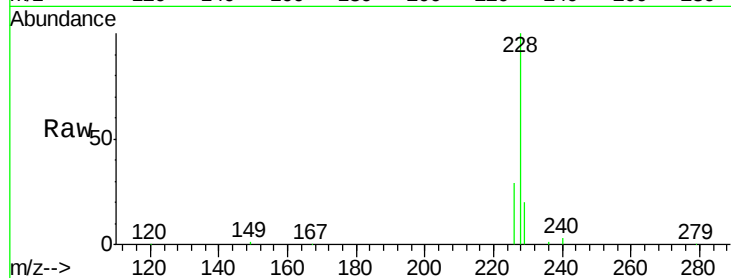
Tgt Ion:228 Resp: 62004

Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.8

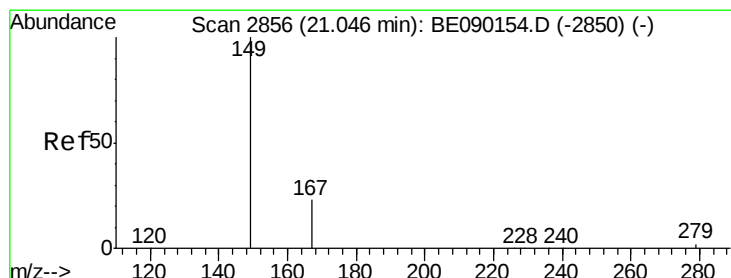
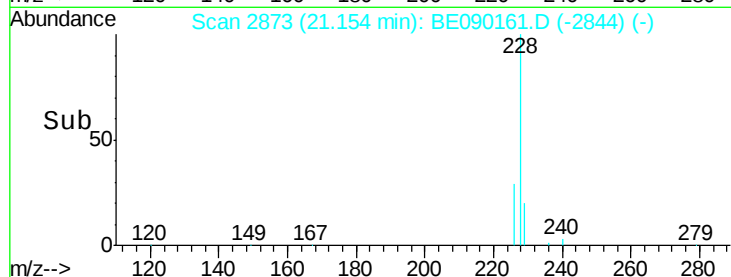
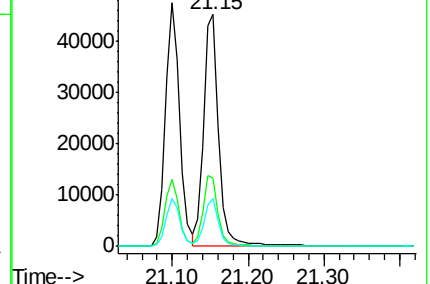
229 20.4 16.5 24.7



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 3.60 ng

RT: 21.05 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

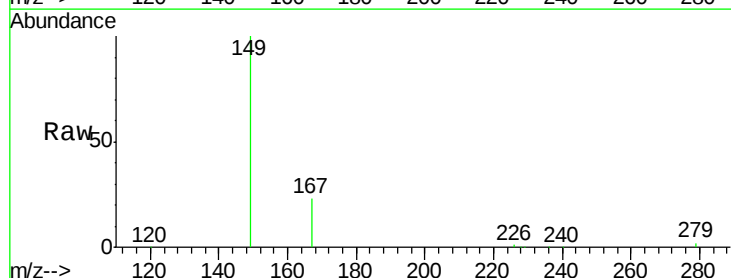
Tgt Ion:149 Resp: 33579

Ion Ratio Lower Upper

149 100

167 23.3 18.6 28.0

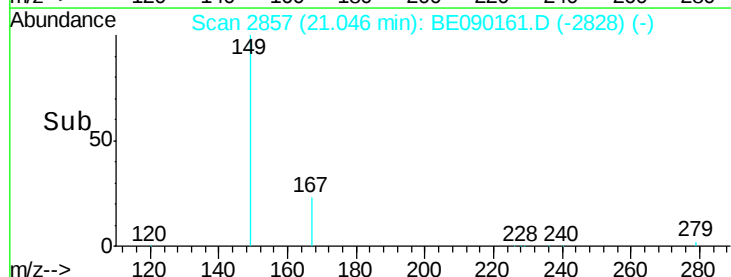
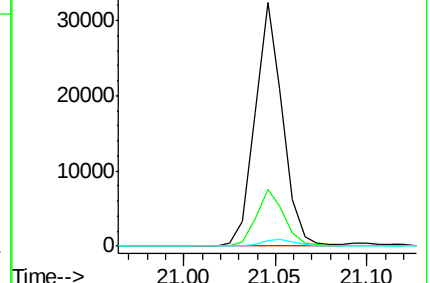
279 2.8 2.2 3.4

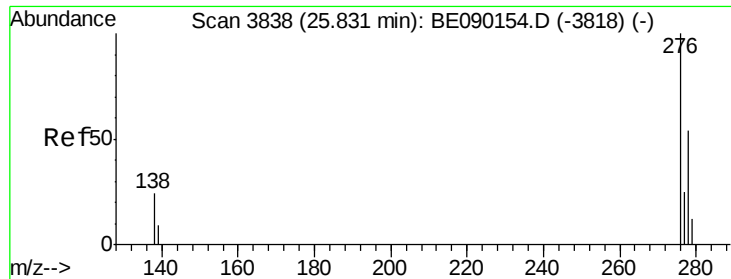


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 3.33 ng

RT: 25.83 min Scan# 3839

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

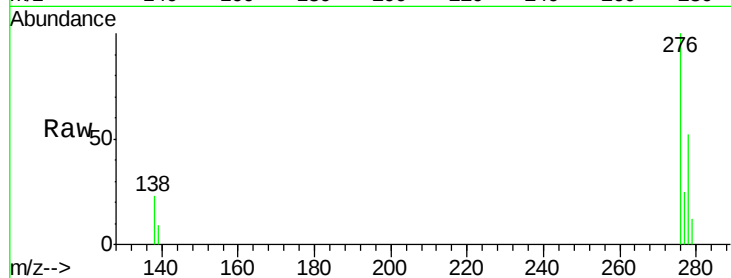
Tgt Ion: 276 Resp: 71672

Ion Ratio Lower Upper

276 100

138 24.6 19.5 29.3

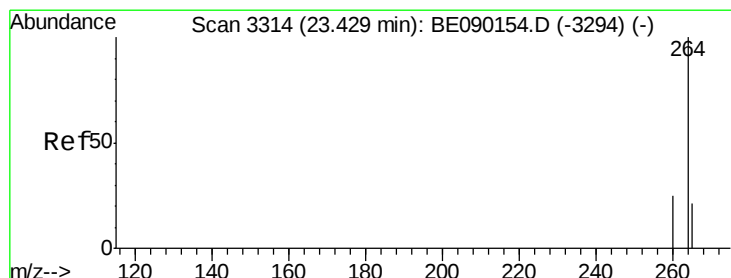
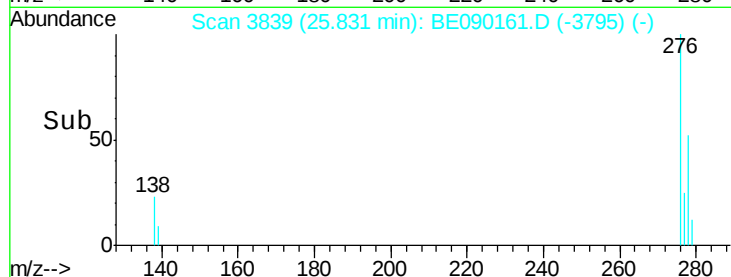
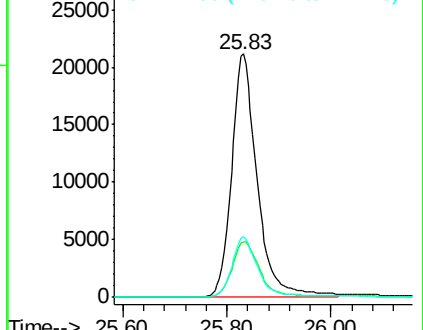
277 24.8 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.43 min Scan# 3315

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

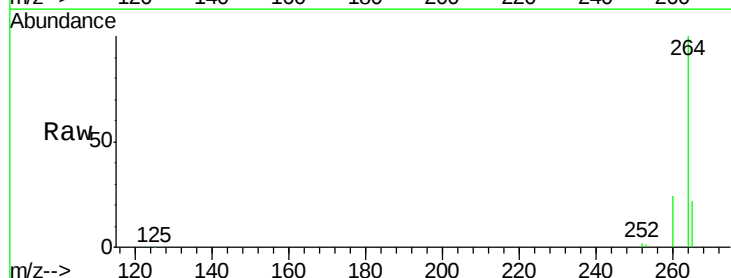
Tgt Ion: 264 Resp: 80306

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.8

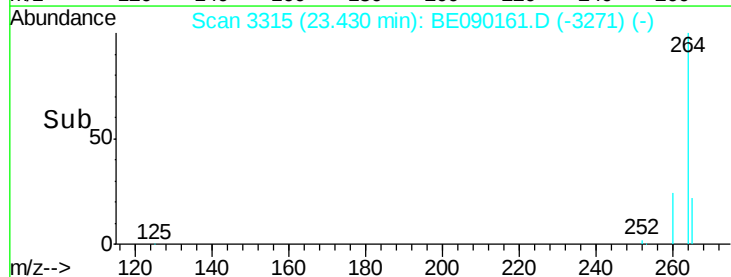
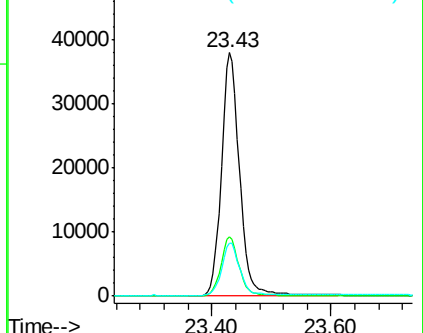
265 22.0 17.4 26.2

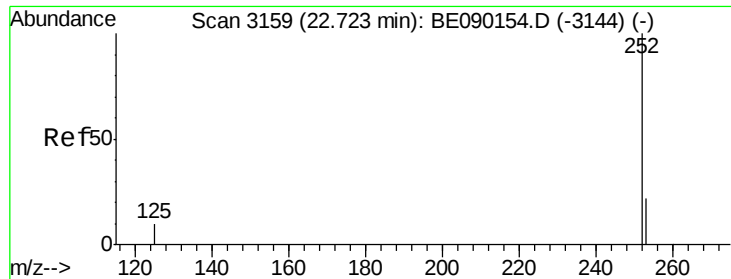


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 3.47 ng

RT: 22.72 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

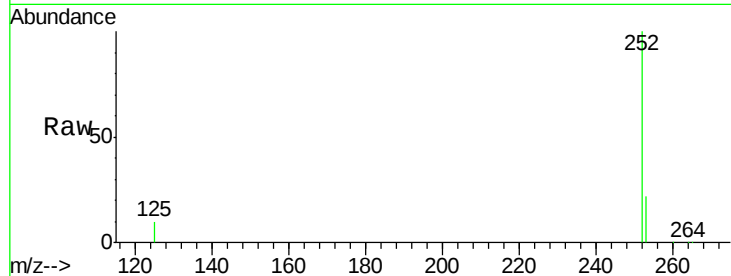
Tgt Ion:252 Resp: 58192

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

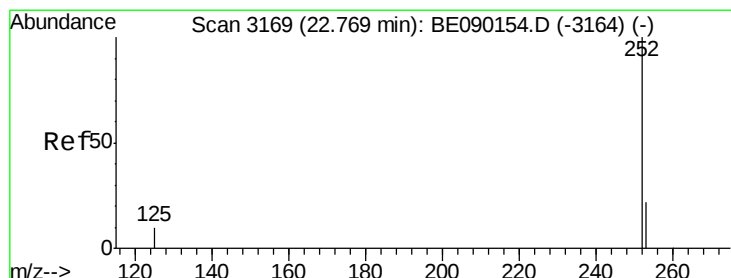
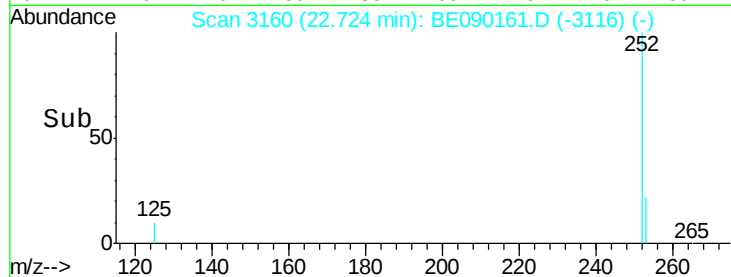
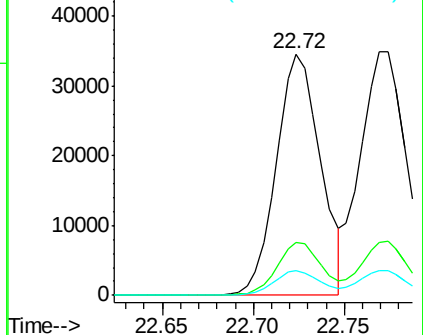
125 10.3 8.7 13.1



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



#34

Benzo(k)fluoranthene

Concen: 3.46 ng

RT: 22.77 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

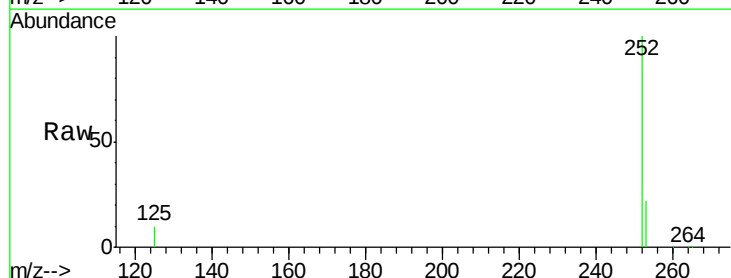
Tgt Ion:252 Resp: 66312

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

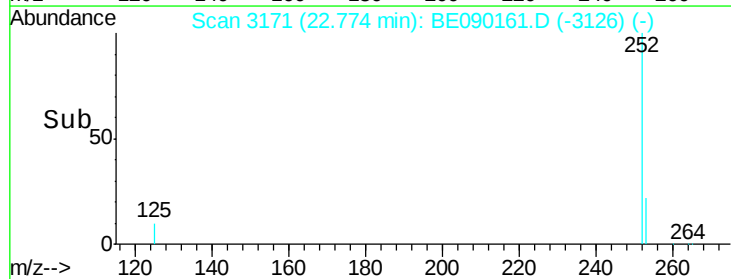
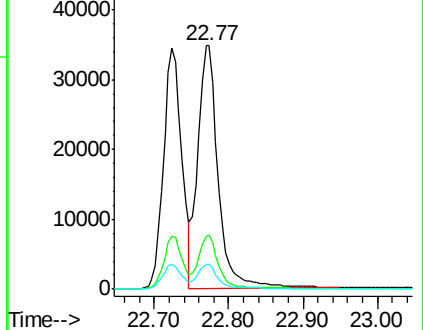
125 10.3 8.7 13.1

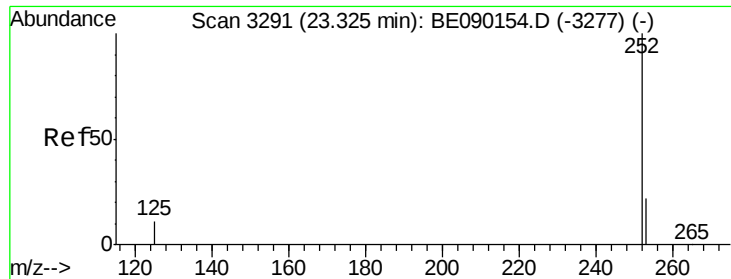


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 3.59 ng

RT: 23.32 min Scan# 3292

Delta R.T. 0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

Instrument :

BNA_E

ClientSampleId :

PB84515BSD

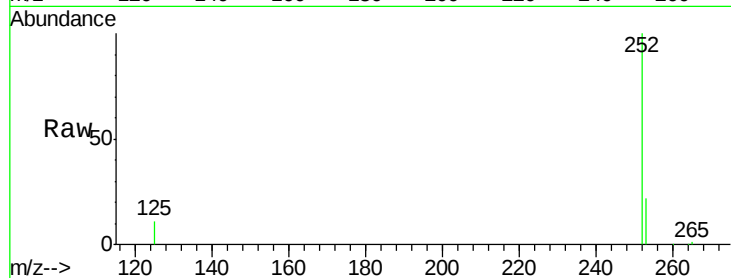
Tgt Ion:252 Resp: 58203

Ion Ratio Lower Upper

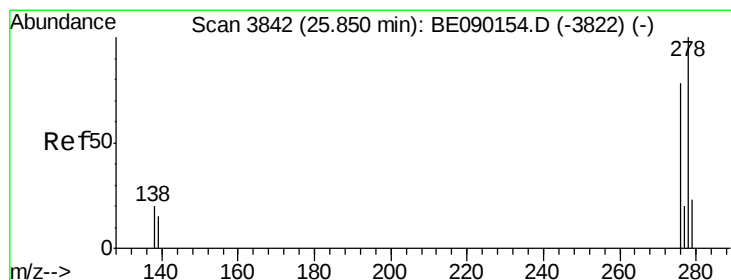
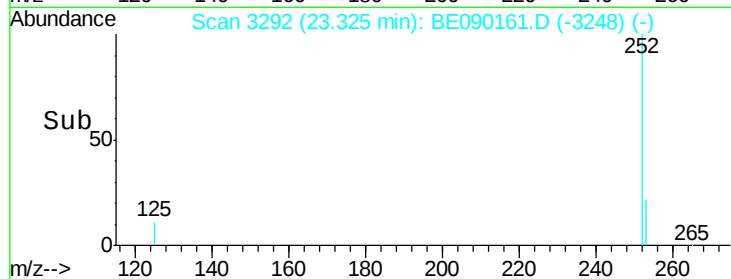
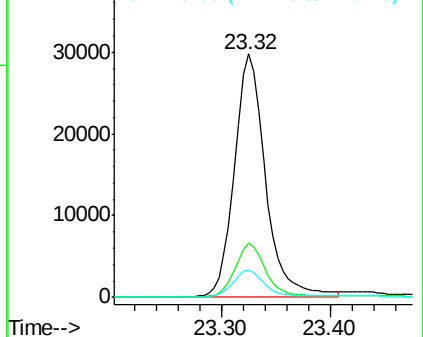
252 100

253 22.1 18.0 27.0

125 11.4 9.4 14.0



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



#36

Dibenzo(a,h)anthracene

Concen: 3.44 ng

RT: 25.85 min Scan# 3843

Delta R.T. -0.00 min

Lab File: BE090161.D

Acq: 18 Jul 2015 00:36

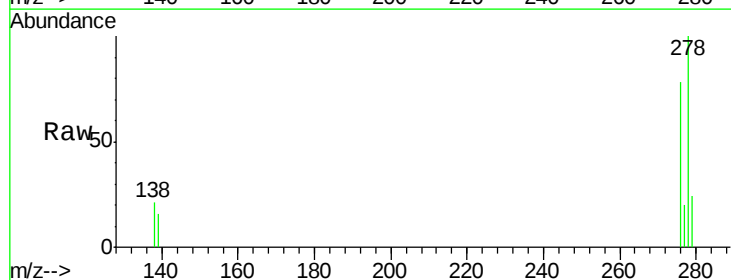
Tgt Ion:278 Resp: 58910

Ion Ratio Lower Upper

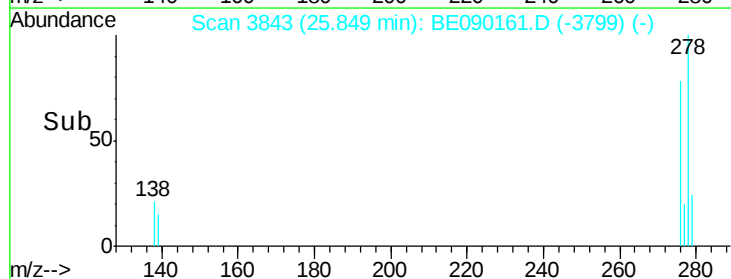
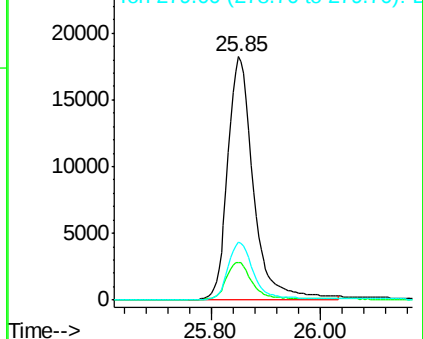
278 100

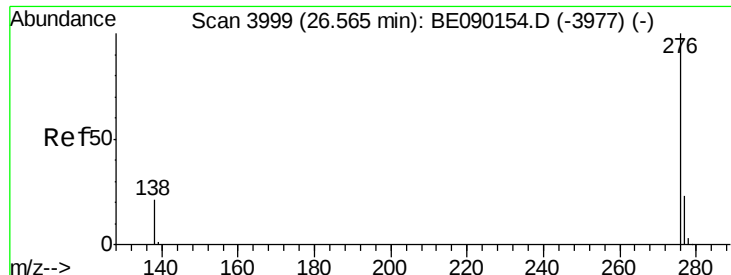
139 15.6 12.9 19.3

279 23.8 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

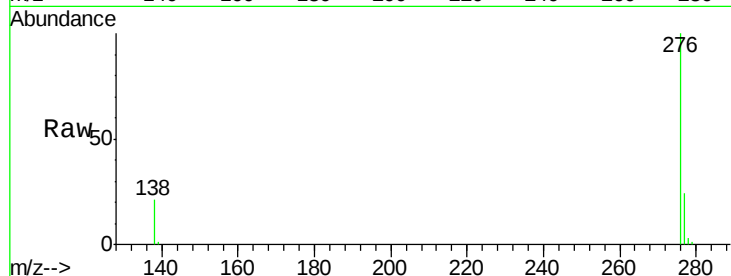




#37
 Benzo(g,h,i)perylene
 Concen: 3.41 ng
 RT: 26.56 min Scan# 4000
 Delta R.T. -0.00 min
 Lab File: BE090161.D
 Acq: 18 Jul 2015 00:36

Instrument :
 BNA_E
 ClientSampleId :
 PB84515BSD

Tgt Ion: 276 Resp: 60359
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.0 28.6
 138 21.0 17.2 25.8



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

