

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090424.D
 Acq On : 11 Aug 2015 5:13
 Operator : TP/UM
 Sample : PB84906BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84906BS

Quant Time: Aug 11 07:14:59 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

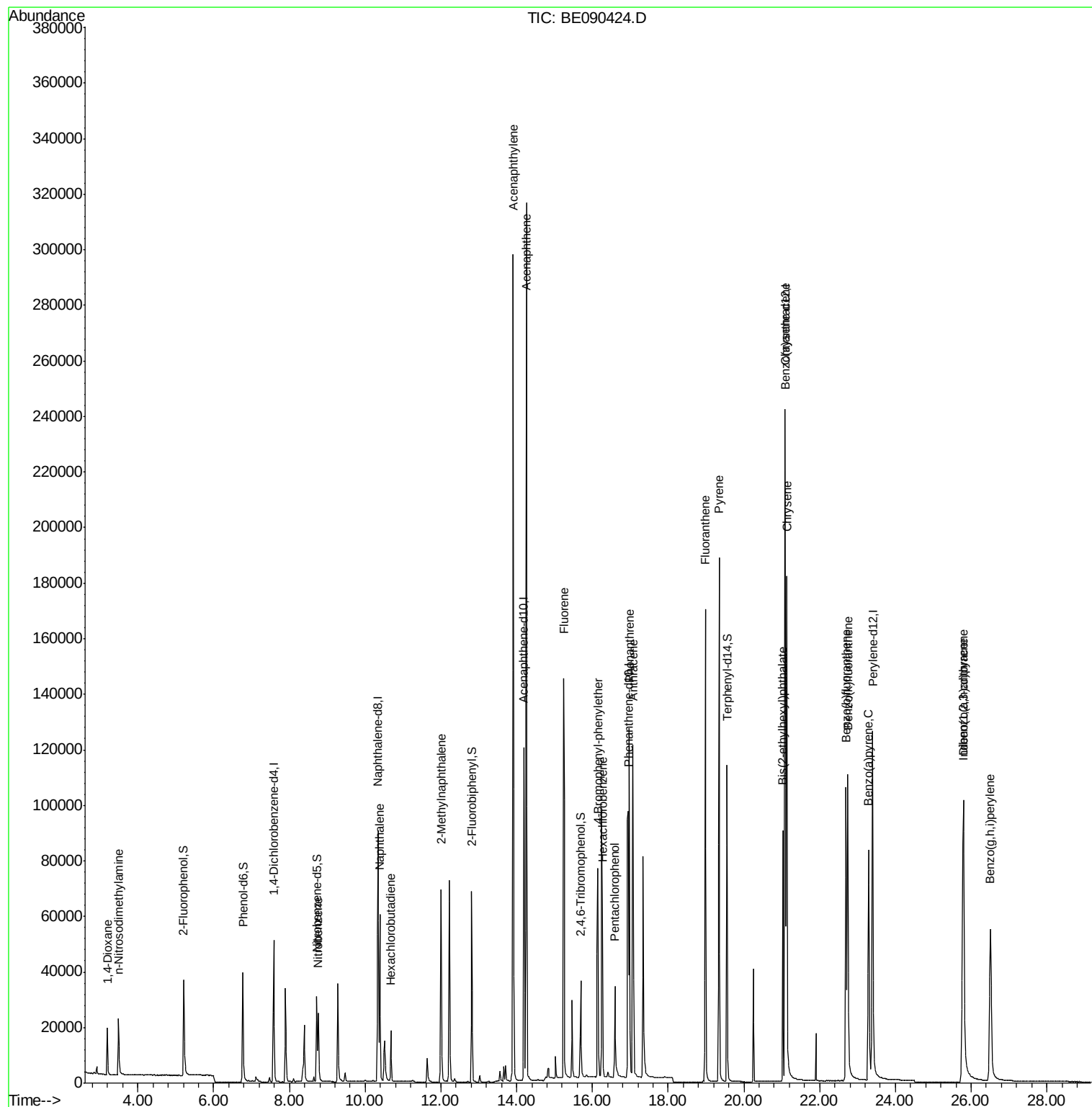
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	25729	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	122103	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	71419	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	165659	5.00	ng	0.00
25) Chrysene-d12	21.09	240	198977	5.00	ng	0.00
32) Perylene-d12	23.40	264	181810	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	30940	8.02	ng	0.00
5) Phenol-d6	6.77	99	49733	6.00	ng	0.00
7) Nitrobenzene-d5	8.72	82	29920	3.09	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	15756	7.46	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	66929	3.41	ng	0.00
27) Terphenyl-d14	19.55	244	117667	4.01	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.19	88	9514	3.09	ng	98
3) n-Nitrosodimethylamine	3.49	42	12604	3.17	ng	# 78
8) Nitrobenzene	8.76	77	30273	2.94	ng	96
9) Naphthalene	10.39	128	79521	2.95	ng	98
10) Hexachlorobutadiene	10.68	225	12998	3.16	ng	99
11) 2-Methylnaphthalene	12.01	142	53374	3.41	ng	99
15) Acenaphthylene	13.91	152	386755	3.34	ng	100
16) Acenaphthene	14.26	154	56030	3.12	ng	88
17) Fluorene	15.24	166	76924	3.29	ng	97
19) 4-Bromophenyl-phenylether	16.15	248	22730	3.53	ng	99
20) Hexachlorobenzene	16.27	284	96116	2.89	ng	98
21) Pentachlorophenol	16.60	266	18071	7.27	ng	90
22) Phenanthrene	16.98	178	134971	3.26	ng	100
23) Anthracene	17.07	178	133308	3.91	ng	100
24) Fluoranthene	18.98	202	158191	3.88	ng	99
26) Pyrene	19.34	202	170720	3.96	ng	99
28) Benzo(a)anthracene	21.08	228	162812	3.69	ng	99
29) Chrysene	21.13	228	172044	3.23	ng	99
30) Bis(2-ethylhexyl)phthalate	21.03	149	74530	4.76	ng	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	150433	3.22	ng	95
33) Benzo(b)fluoranthene	22.70	252	139046	3.45	ng	98
34) Benzo(k)fluoranthene	22.74	252	159537	3.15	ng	99
35) Benzo(a)pyrene	23.29	252	130481	3.43	ng	99
36) Dibenzo(a,h)anthracene	25.80	278	120007	3.26	ng	98
37) Benzo(g,h,i)perylene	26.51	276	132880	3.96	ng	98

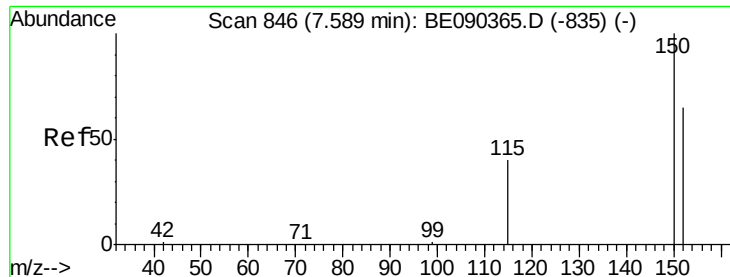
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

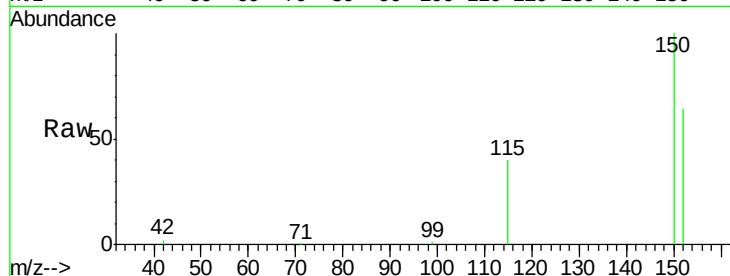
Tgt Ion:152 Resp: 25729

Ion Ratio Lower Upper

152 100

150 156.1 123.0 184.4

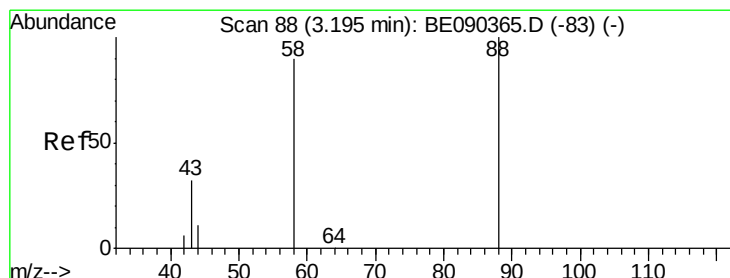
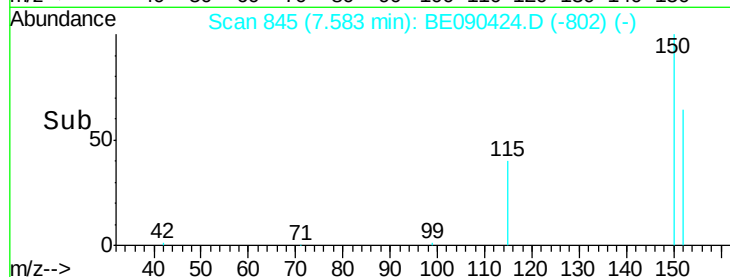
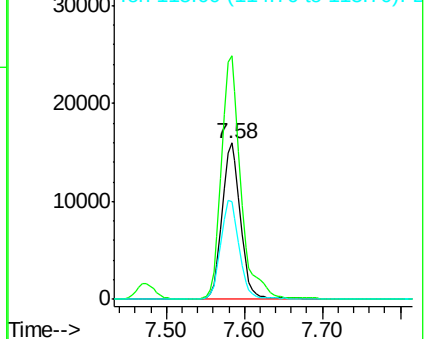
115 62.7 48.9 73.3



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: 3.09 ng

RT: 3.19 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

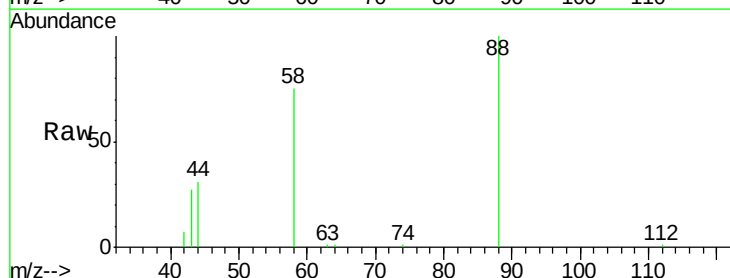
Tgt Ion: 88 Resp: 9514

Ion Ratio Lower Upper

88 100

58 87.3 70.0 105.0

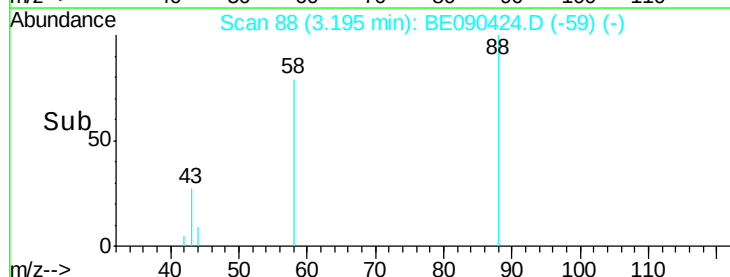
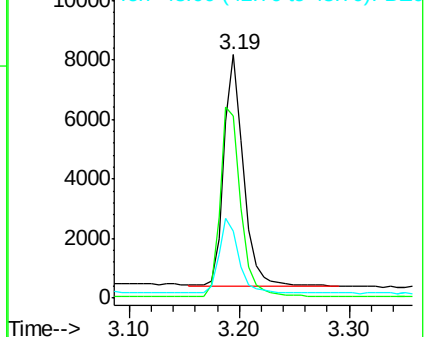
43 32.5 28.4 42.6

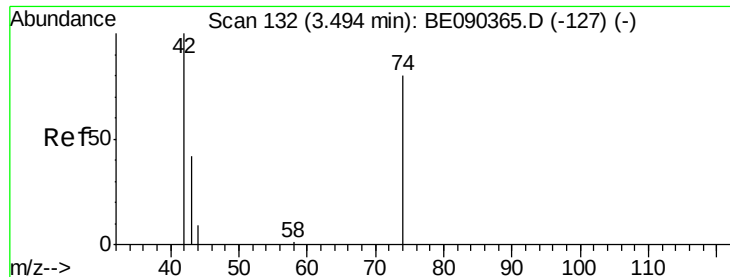


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.17 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

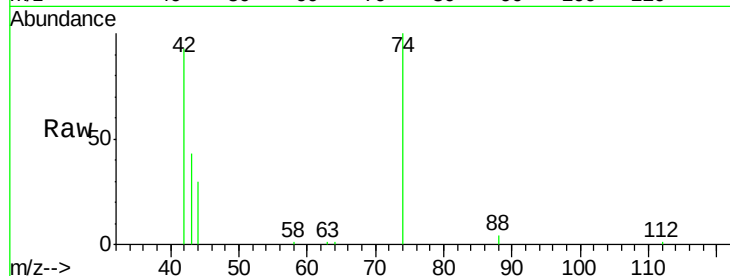
Tgt Ion: 42 Resp: 12604

Ion Ratio Lower Upper

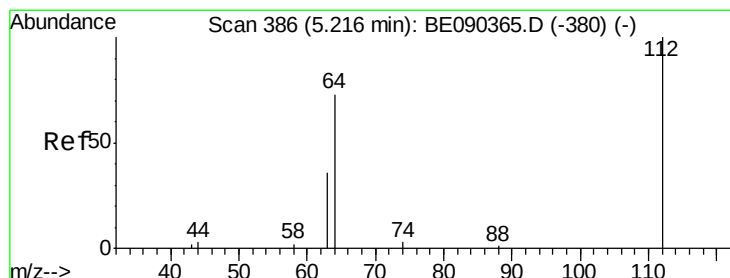
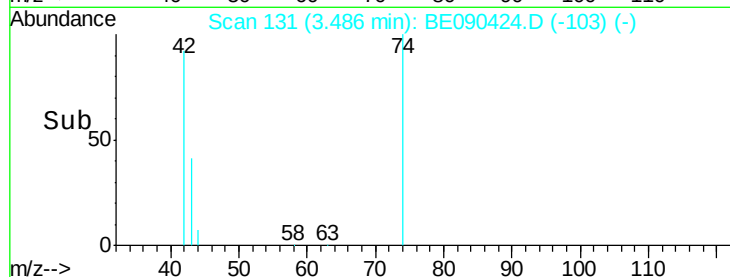
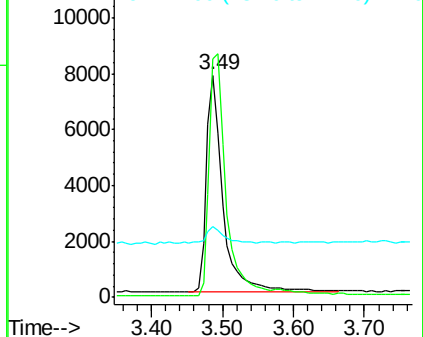
42 100

74 117.4 75.2 112.8#

44 8.3 8.7 13.1#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 8.02 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

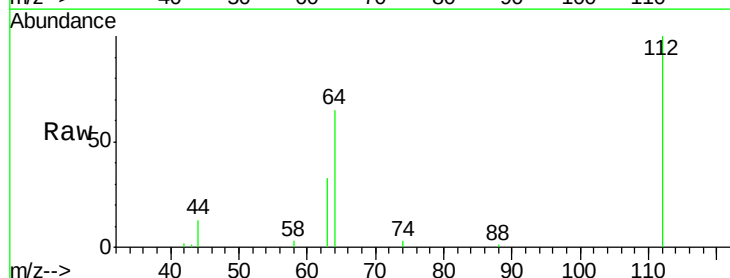
Tgt Ion: 112 Resp: 30940

Ion Ratio Lower Upper

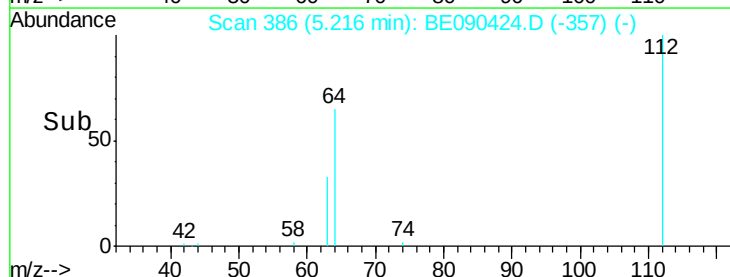
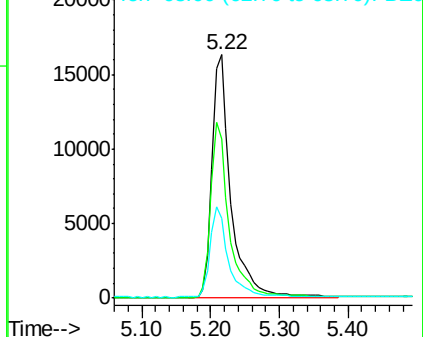
112 100

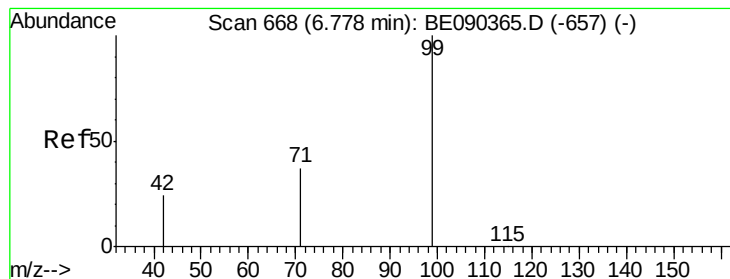
64 70.9 37.1 55.7#

63 36.3 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.00 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

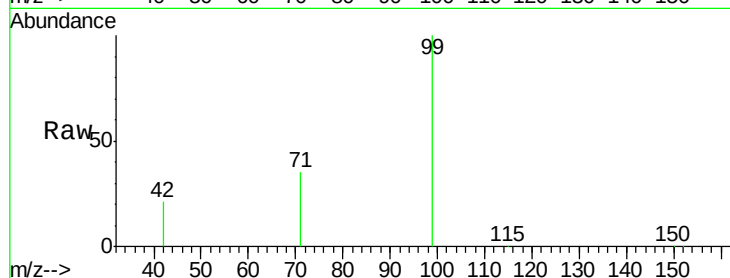
Tgt Ion: 99 Resp: 49733

Ion Ratio Lower Upper

99 100

42 21.6 18.2 27.4

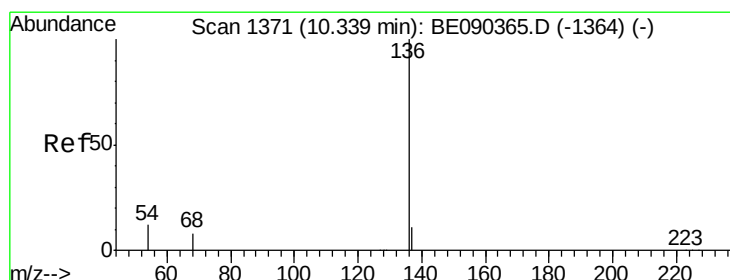
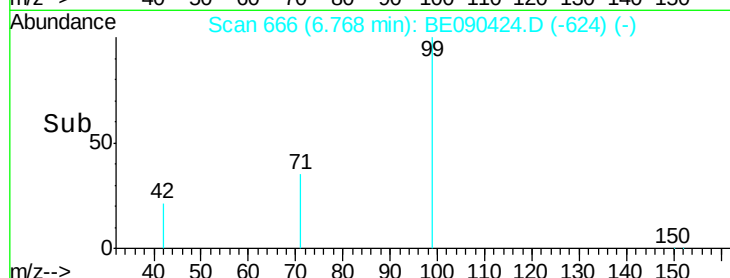
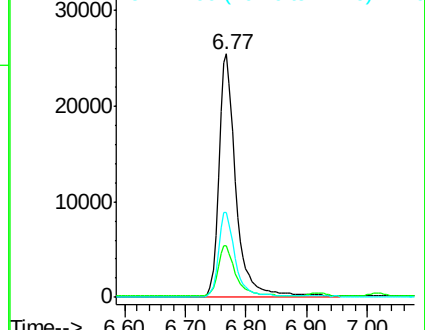
71 35.0 27.4 41.0



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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Tgt Ion: 136 Resp: 122103

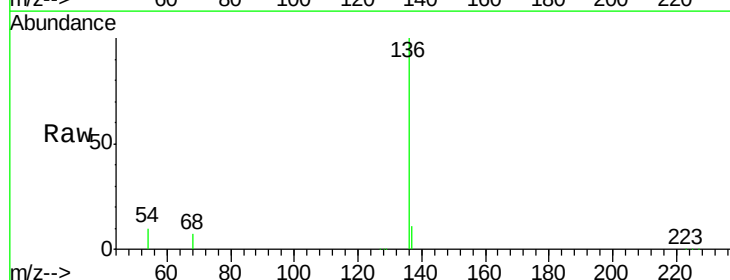
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.9 9.4 14.0

68 7.3 6.5 9.7

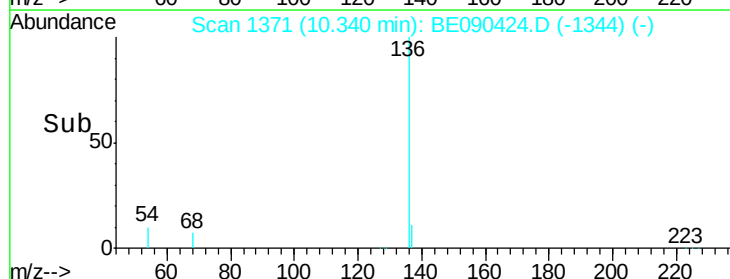
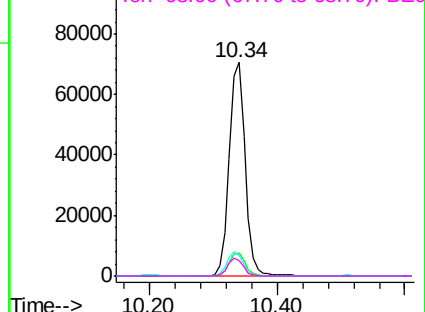


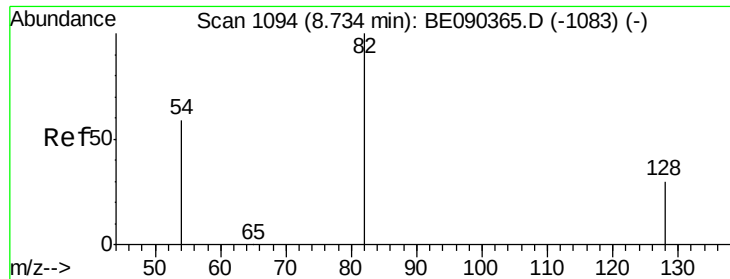
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.09 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

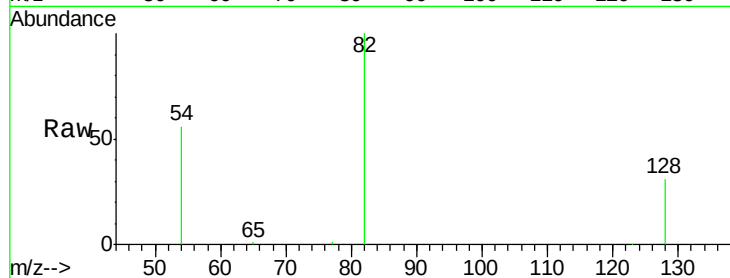
Tgt Ion: 82 Resp: 29920

Ion Ratio Lower Upper

82 100

128 31.5 25.0 37.6

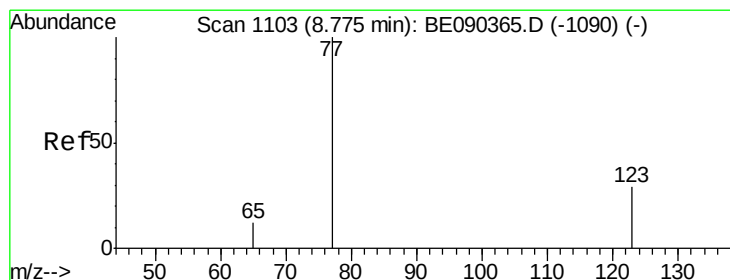
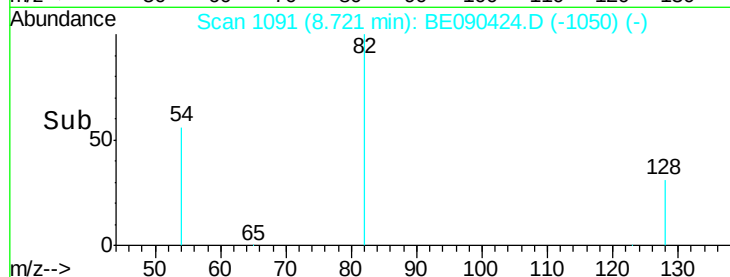
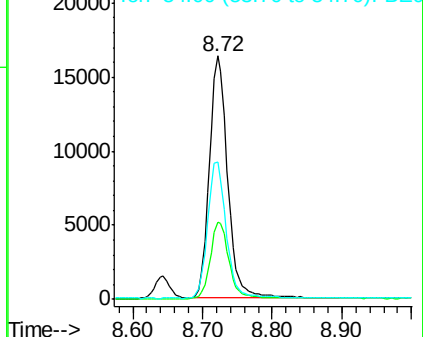
54 56.3 48.8 73.2



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: 2.94 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

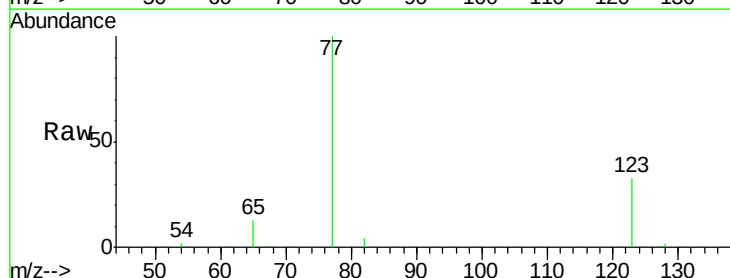
Tgt Ion: 77 Resp: 30273

Ion Ratio Lower Upper

77 100

123 33.6 25.1 37.7

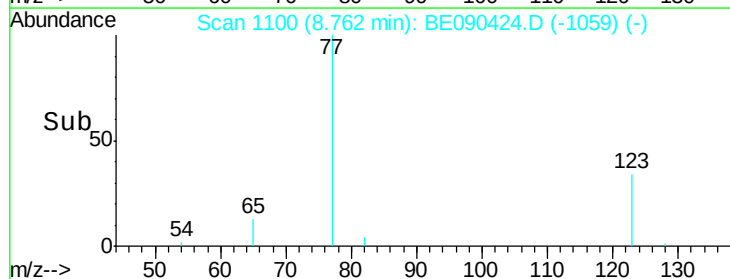
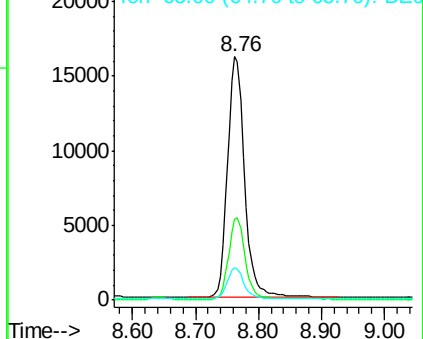
65 12.7 9.3 13.9

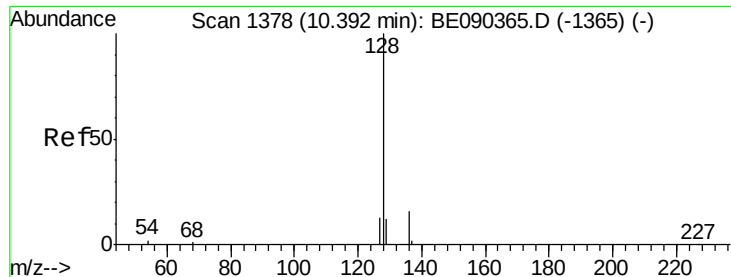


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 2.95 ng

RT: 10.39 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

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PB84906BS

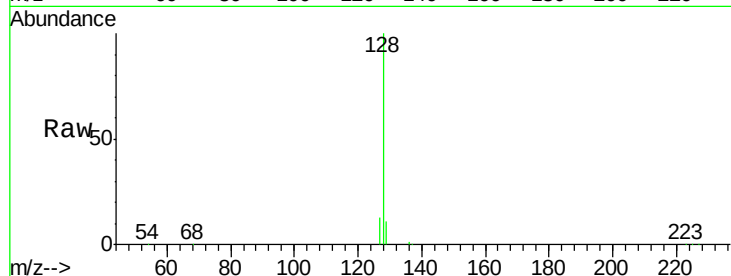
Tgt Ion:128 Resp: 79521

Ion Ratio Lower Upper

128 100

129 10.9 9.8 14.6

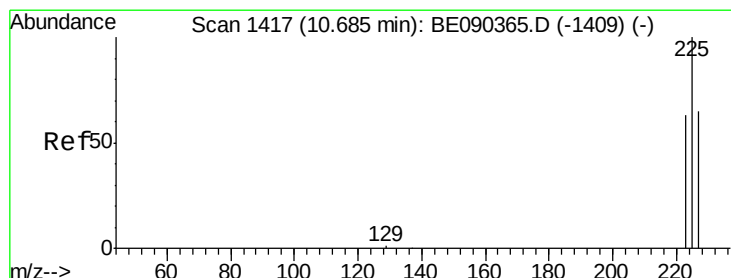
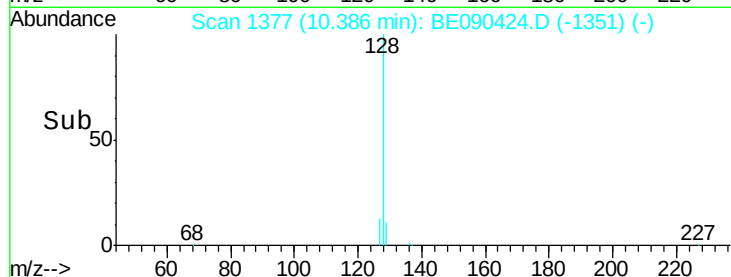
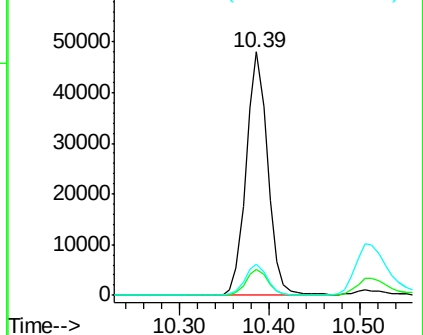
127 12.9 10.6 16.0



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: 3.16 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

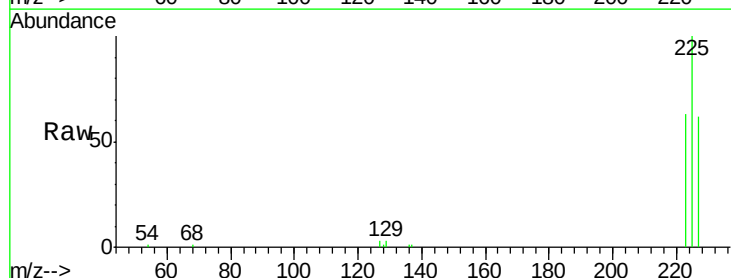
Tgt Ion:225 Resp: 12998

Ion Ratio Lower Upper

225 100

223 62.4 50.6 75.8

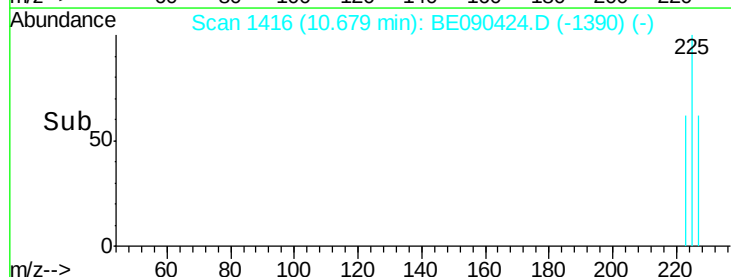
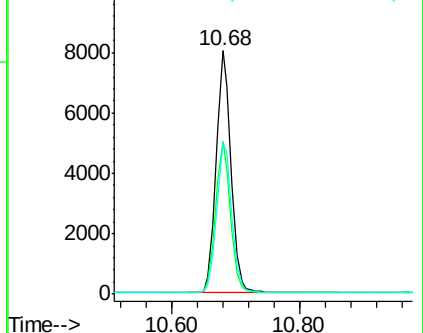
227 63.7 50.7 76.1

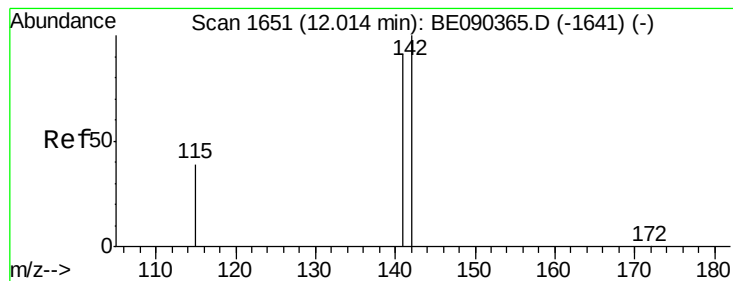


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.41 ng

RT: 12.01 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

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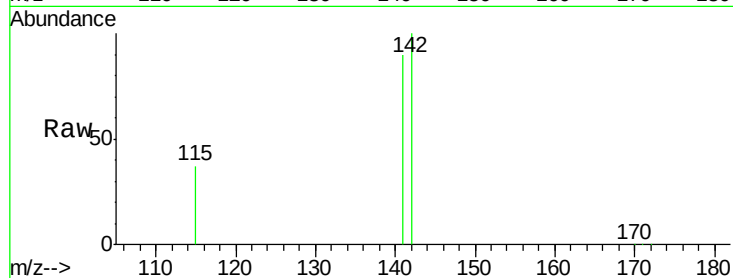
Tgt Ion:142 Resp: 53374

Ion Ratio Lower Upper

142 100

141 90.5 72.6 109.0

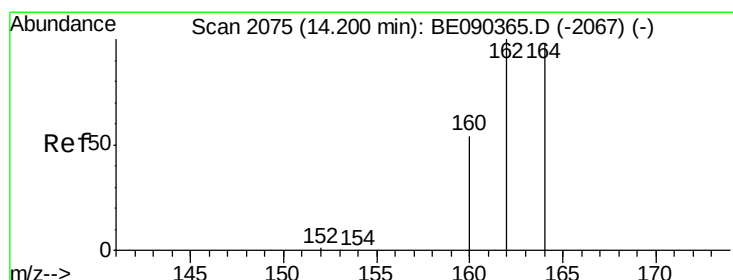
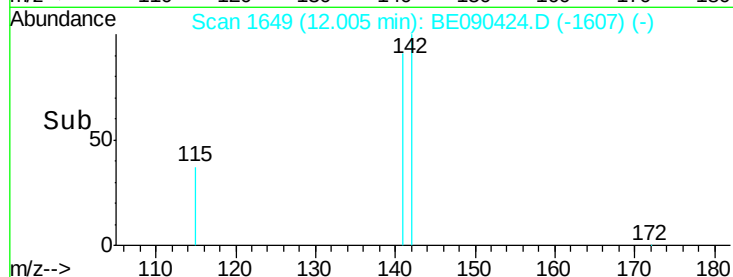
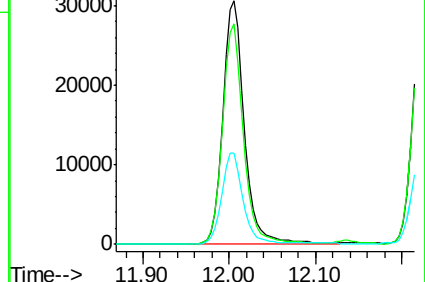
115 37.3 31.6 47.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

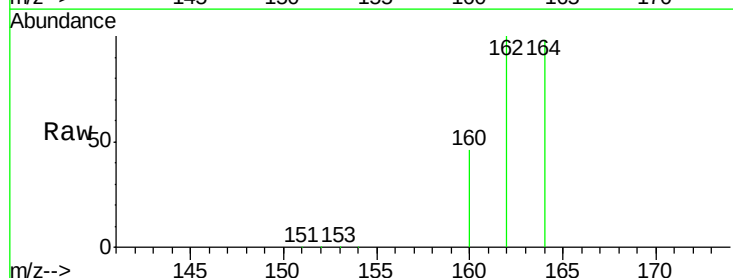
Tgt Ion:164 Resp: 71419

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.8

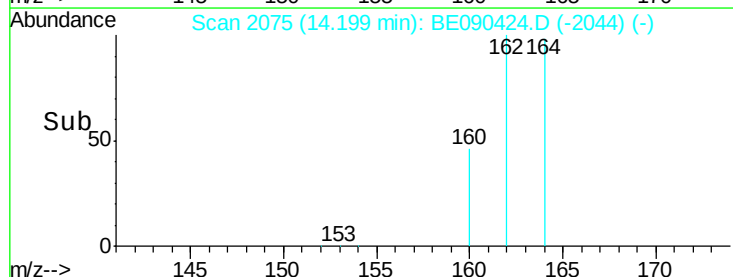
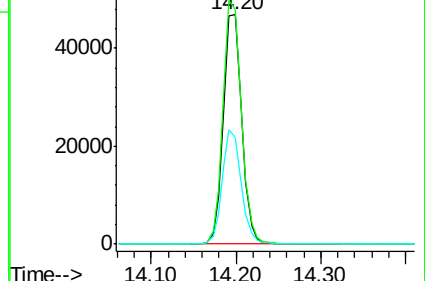
160 46.8 44.2 66.4

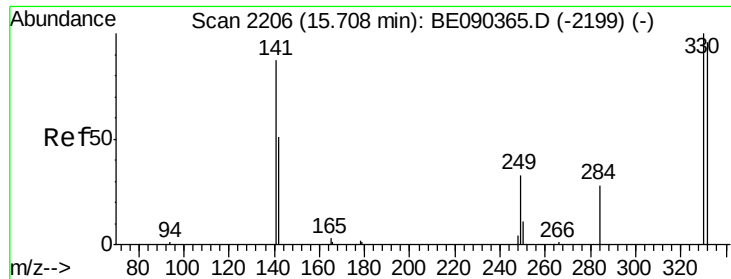


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

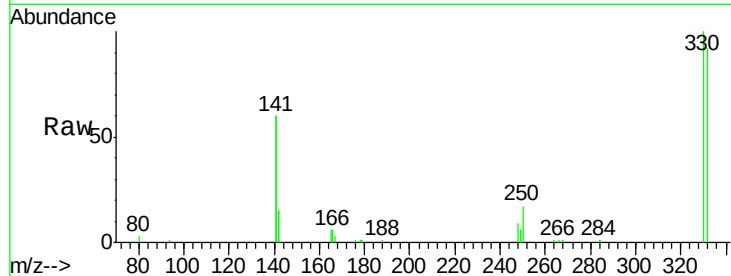




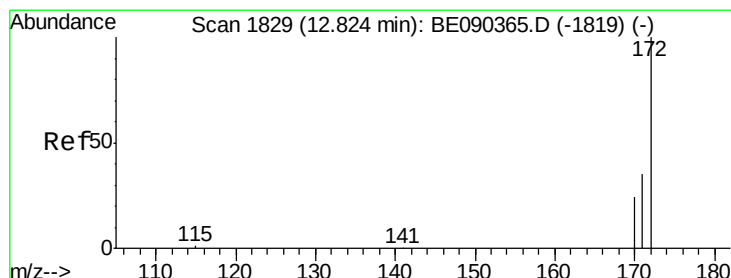
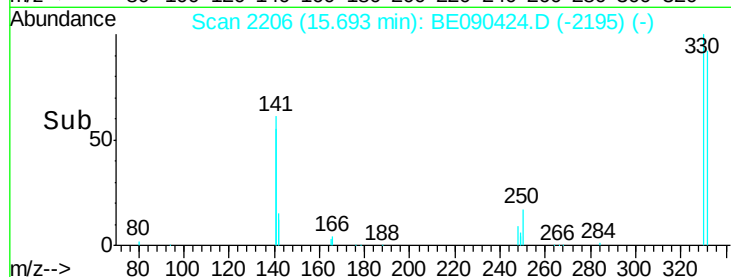
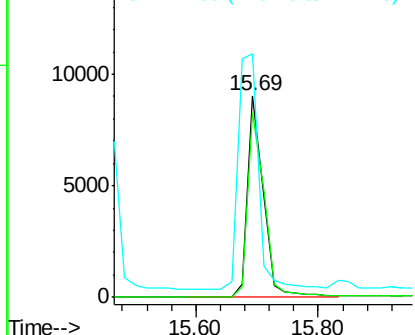
#13
 2,4,6-Tribromophenol
 Concen: 7.46 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090424.D
 Acq: 11 Aug 2015 5:13

Instrument :
 BNA_E
 ClientSampleId :
 PB84906BS

Tgt Ion:330 Resp: 15756
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.8 113.6
 141 153.9 114.4 171.6

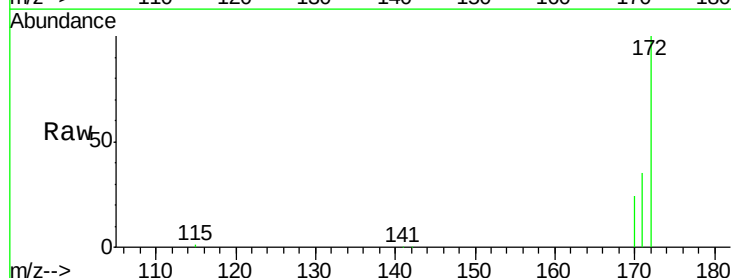


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

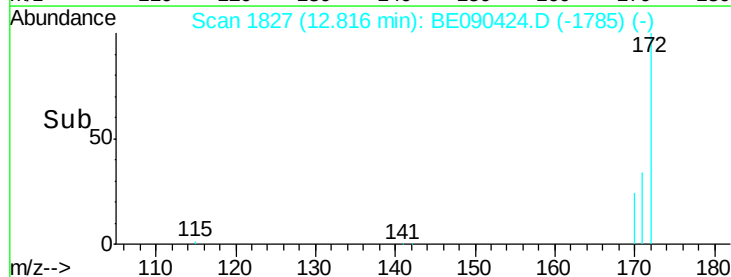
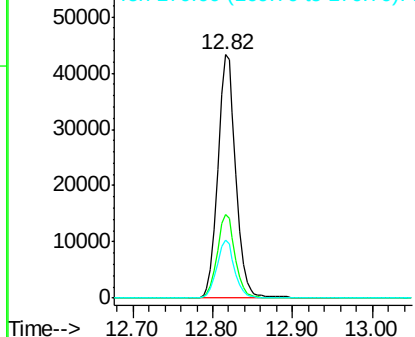


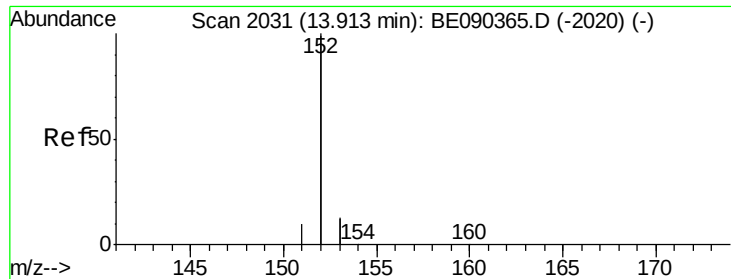
#14
 2-Fluorobiphenyl
 Concen: 3.41 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090424.D
 Acq: 11 Aug 2015 5:13

Tgt Ion:172 Resp: 66929
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 24.0 19.8 29.8



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

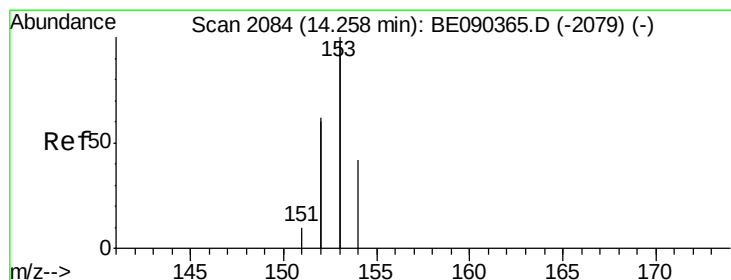
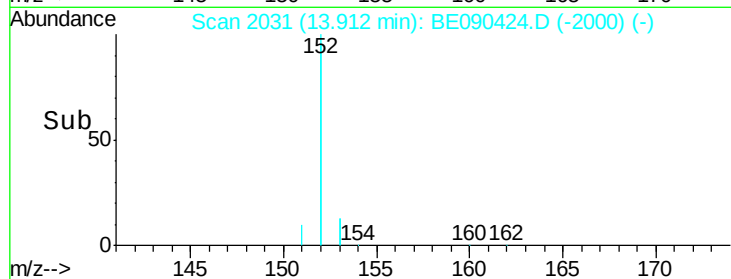
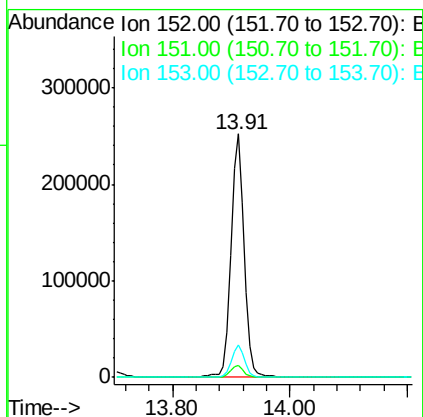
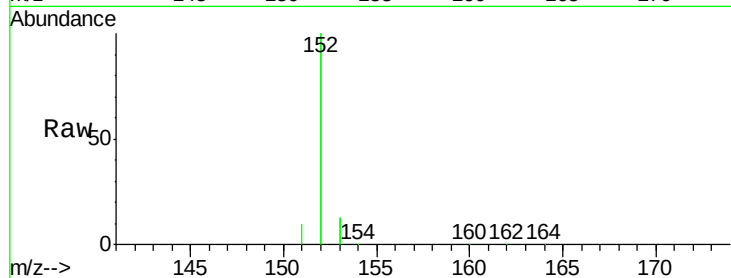




#15
Acenaphthylene
Concen: 3.34 ng
RT: 13.91 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE090424.D
Acq: 11 Aug 2015 5:13

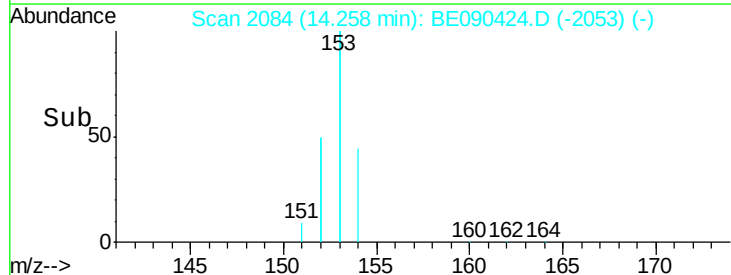
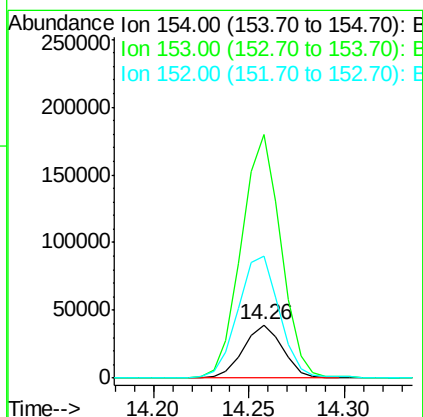
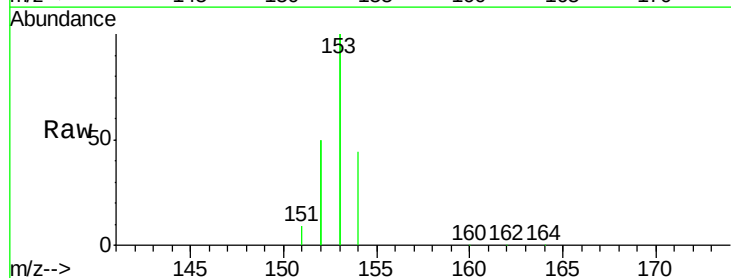
Instrument :
BNA_E
ClientSampleId :
PB84906BS

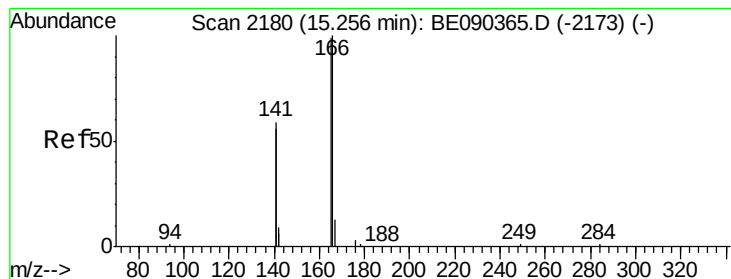
Tgt Ion:152 Resp: 386755
Ion Ratio Lower Upper
152 100
151 4.8 3.8 5.8
153 13.0 10.3 15.5



#16
Acenaphthene
Concen: 3.12 ng
RT: 14.26 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BE090424.D
Acq: 11 Aug 2015 5:13

Tgt Ion:154 Resp: 56030
Ion Ratio Lower Upper
154 100
153 462.4 376.2 564.2
152 242.1 235.0 352.4





#17

Fluorene

Concen: 3.29 ng

RT: 15.24 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

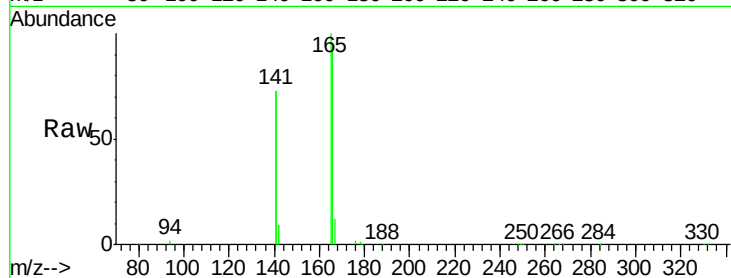
Tgt Ion:166 Resp: 76924

Ion Ratio Lower Upper

166 100

165 98.9 81.5 122.3

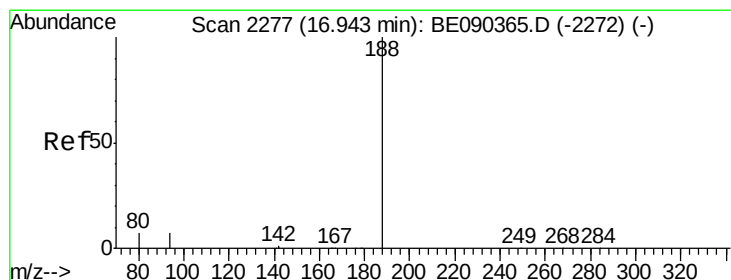
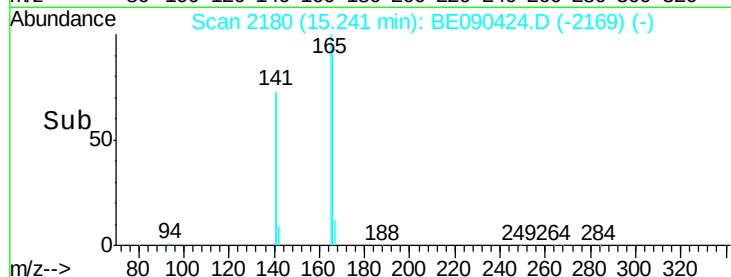
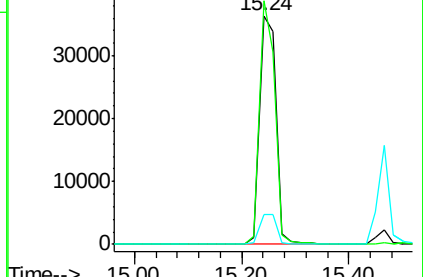
167 13.5 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.95 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

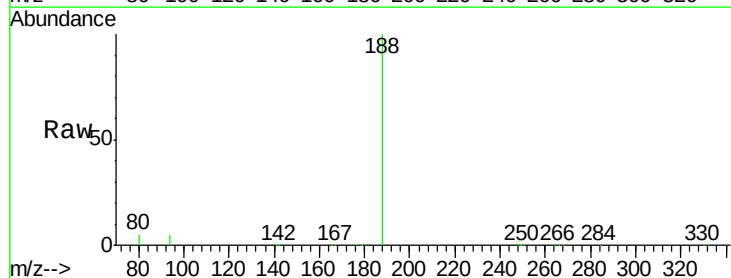
Tgt Ion:188 Resp: 165659

Ion Ratio Lower Upper

188 100

94 4.5 5.7 8.5#

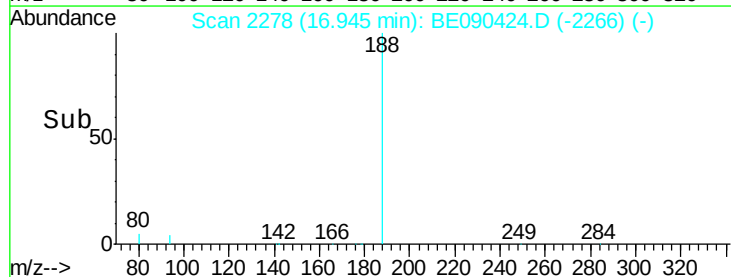
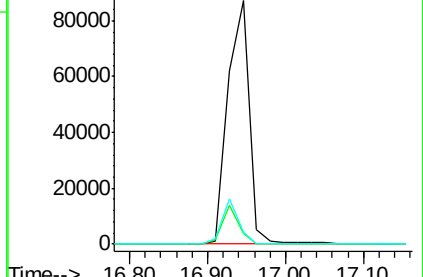
80 4.6 5.8 8.8#

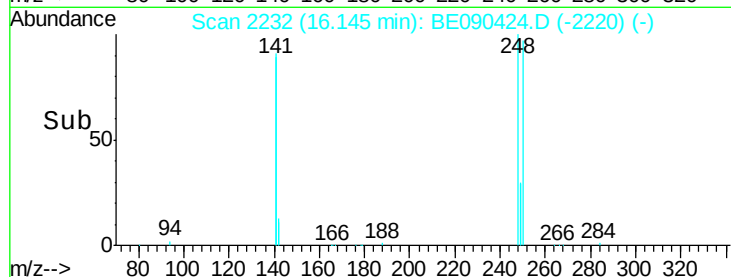
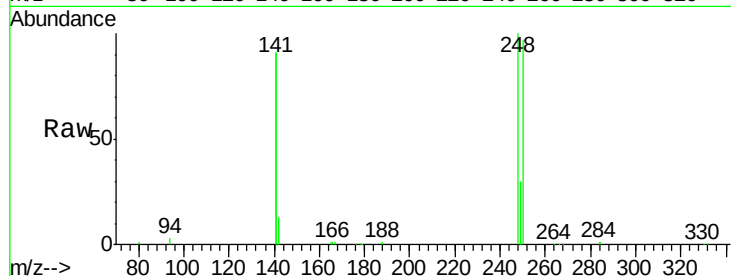
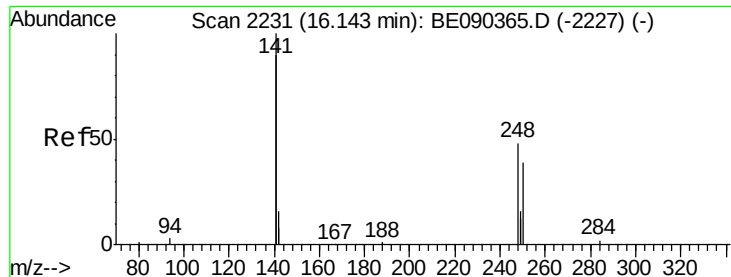


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

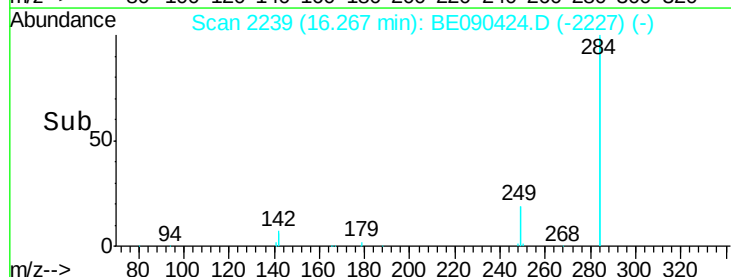
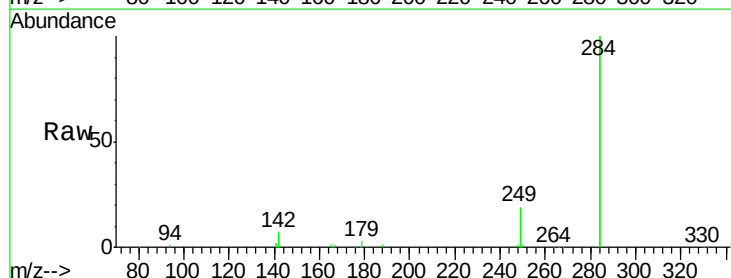
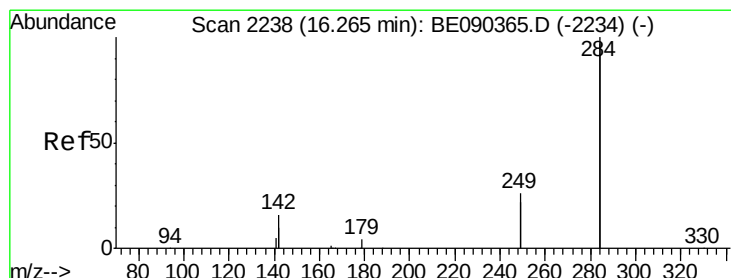
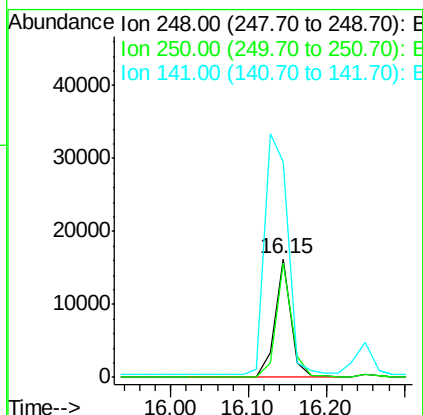




#19
4-Bromophenyl-phenylether
Concen: 3.53 ng
RT: 16.15 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BE090424.D
Acq: 11 Aug 2015 5:13

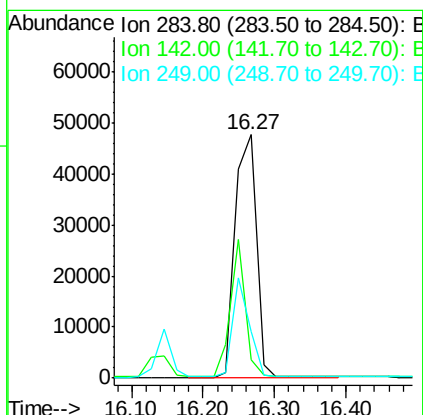
Instrument :
BNA_E
ClientSampleId :
PB84906BS

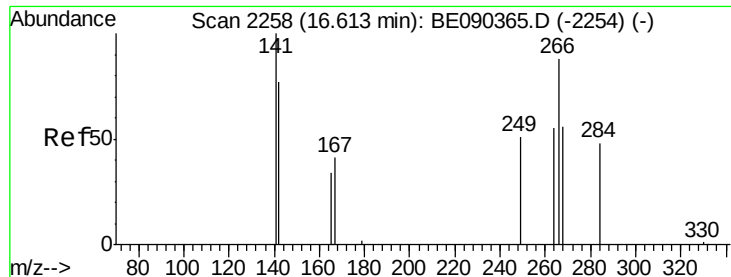
Tgt Ion:248 Resp: 22730
Ion Ratio Lower Upper
248 100
250 95.8 79.0 118.6
141 300.7 239.5 359.3



#20
Hexachlorobenzene
Concen: 2.89 ng
RT: 16.27 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE090424.D
Acq: 11 Aug 2015 5:13

Tgt Ion:284 Resp: 96116
Ion Ratio Lower Upper
284 100
142 40.0 30.1 45.1
249 32.3 25.7 38.5

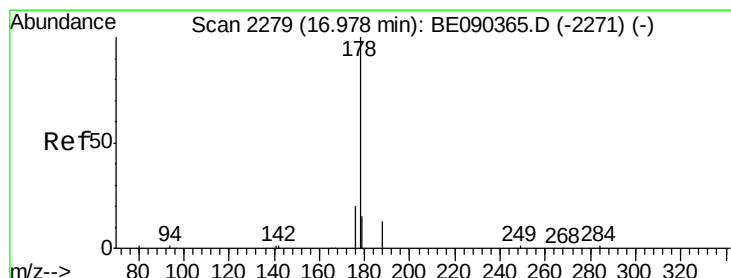
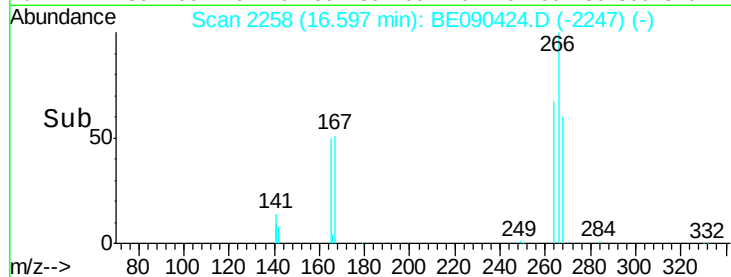
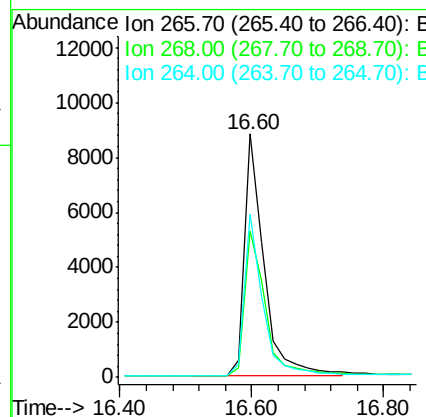
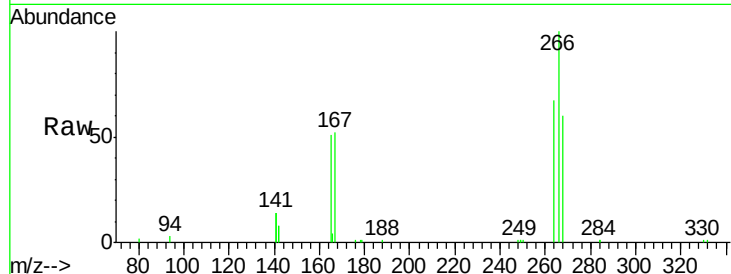




#21
 Pentachlorophenol
 Concen: 7.27 ng
 RT: 16.60 min Scan# 2258
 Delta R.T. -0.01 min
 Lab File: BE090424.D
 Acq: 11 Aug 2015 5:13

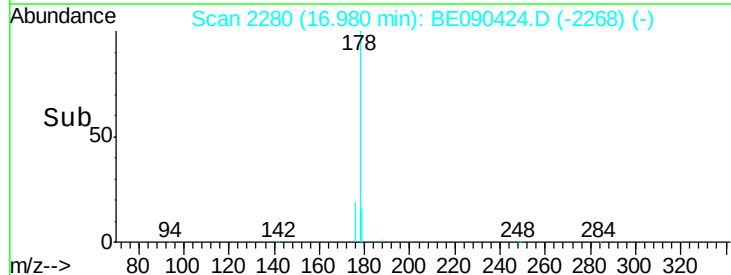
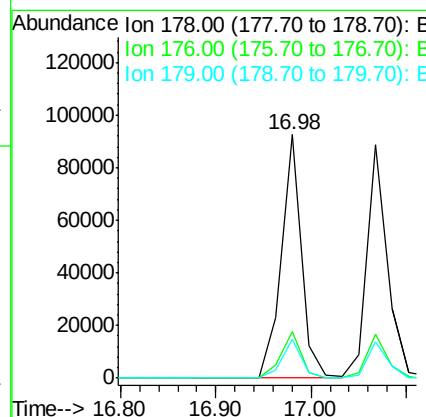
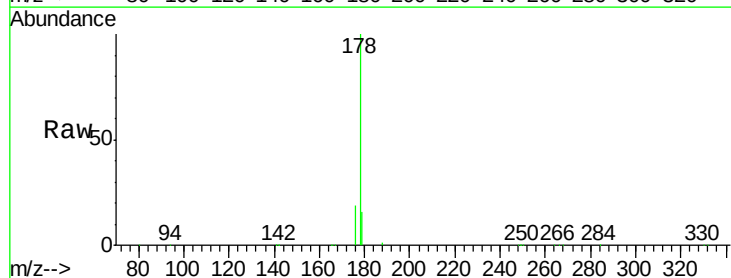
Instrument :
 BNA_E
 ClientSampleId :
 PB84906BS

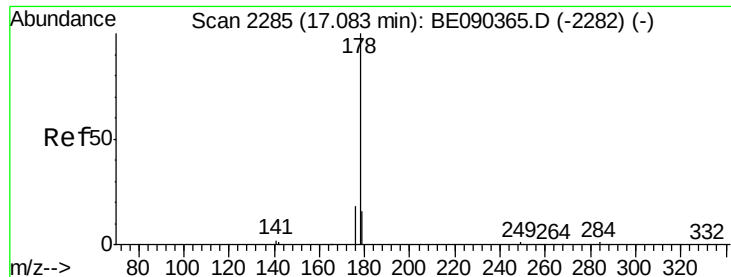
Tgt Ion: 266 Resp: 18071
 Ion Ratio Lower Upper
 266 100
 268 60.2 58.5 87.7
 264 67.2 56.0 84.0



#22
 Phenanthrene
 Concen: 3.26 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE090424.D
 Acq: 11 Aug 2015 5:13

Tgt Ion: 178 Resp: 134971
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.6 12.5 18.7





#23

Anthracene

Concen: 3.91 ng

RT: 17.07 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

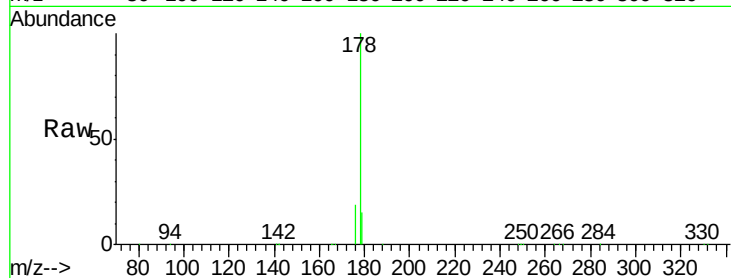
Tgt Ion:178 Resp: 133308

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

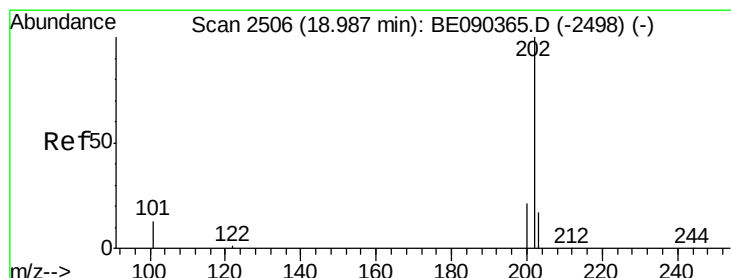
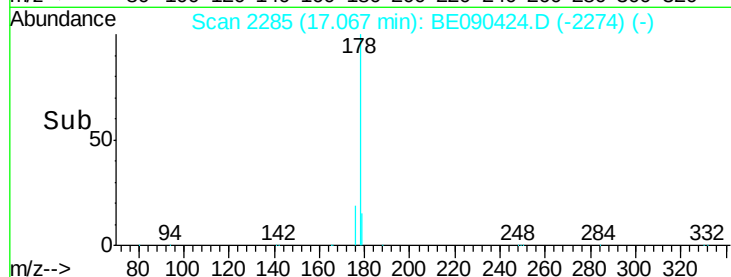
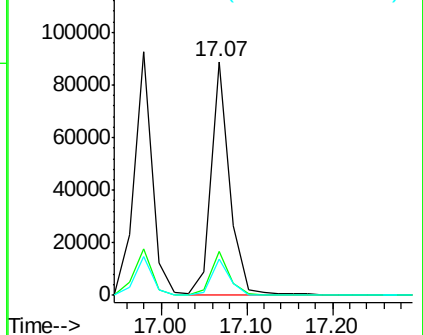
179 15.6 12.2 18.4



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: 3.88 ng

RT: 18.98 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

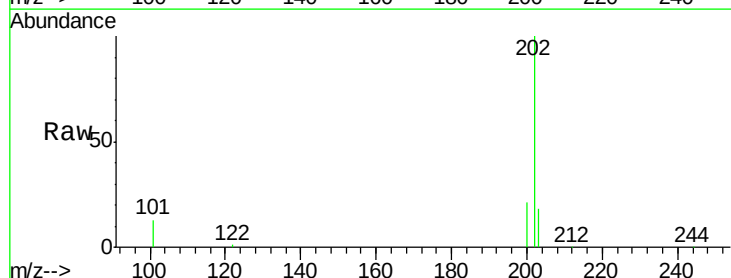
Tgt Ion:202 Resp: 158191

Ion Ratio Lower Upper

202 100

101 13.5 10.3 15.5

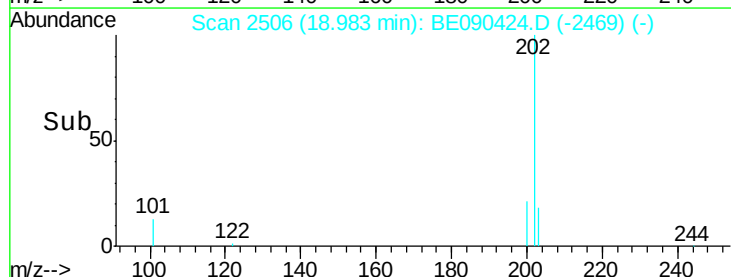
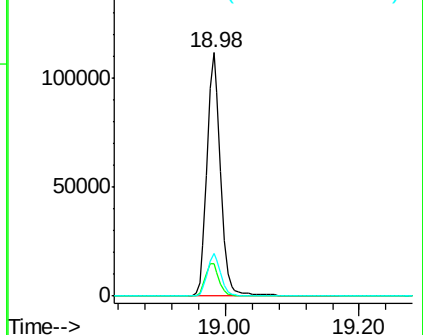
203 17.3 13.7 20.5

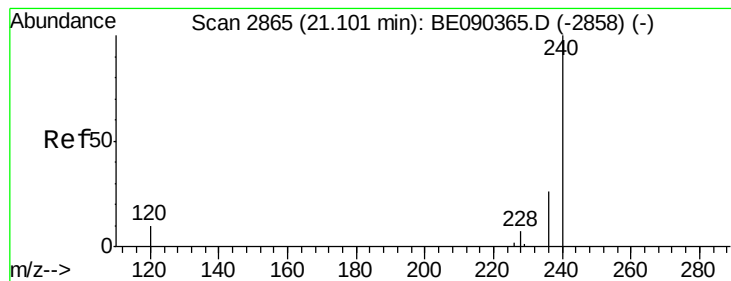


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

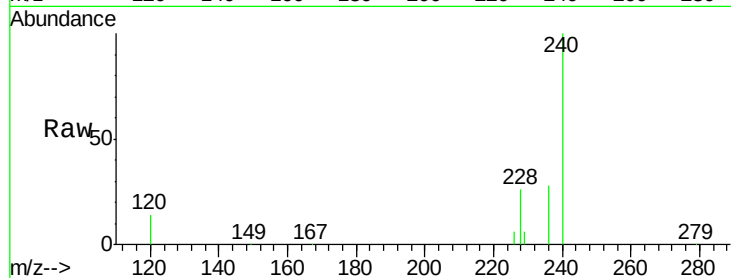
Tgt Ion:240 Resp: 198977

Ion Ratio Lower Upper

240 100

120 13.9 8.3 12.5#

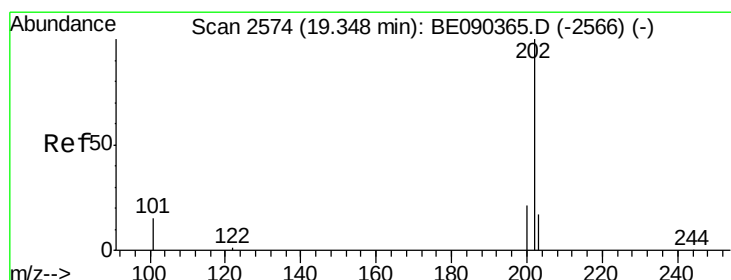
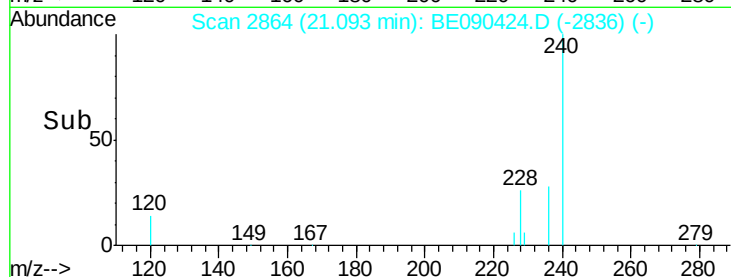
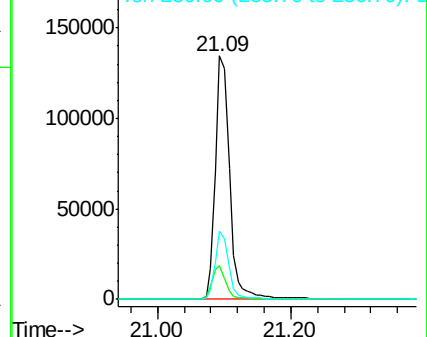
236 27.9 21.0 31.4



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: 3.96 ng

RT: 19.34 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

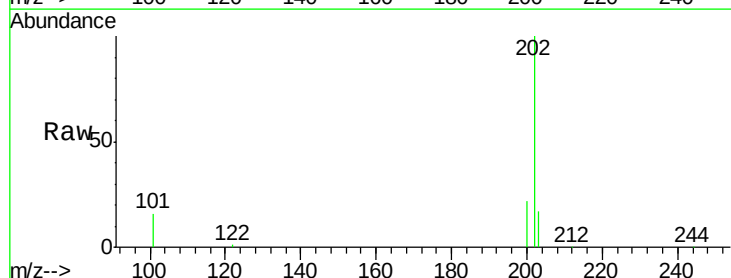
Tgt Ion:202 Resp: 170720

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

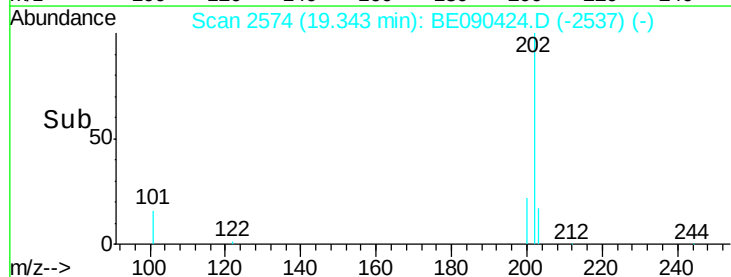
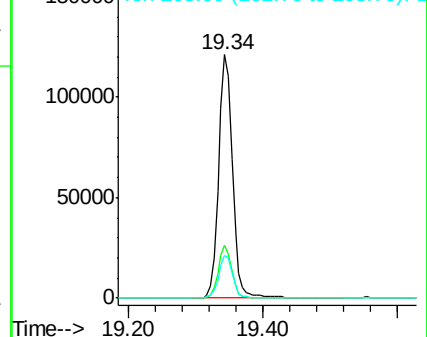
203 18.0 13.8 20.8

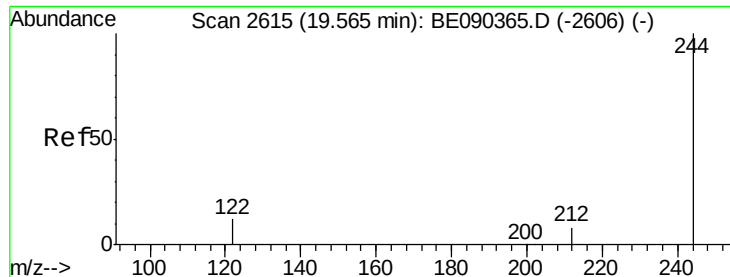


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

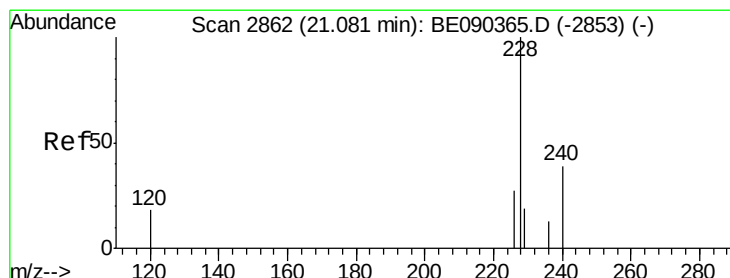
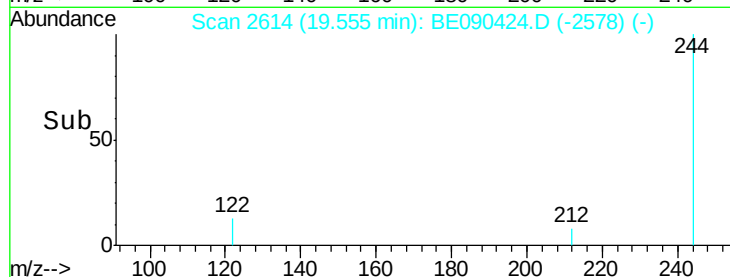
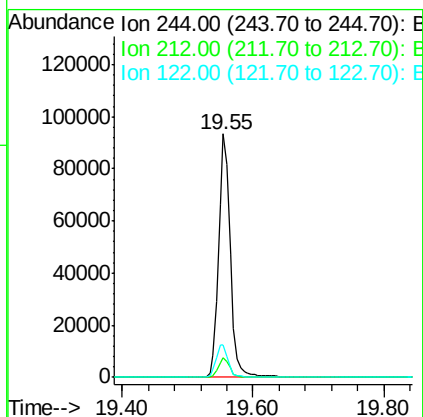
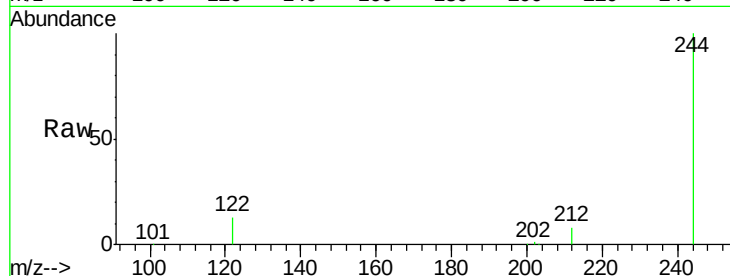




#27
 Terphenyl-d14
 Concen: 4.01 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090424.D
 Acq: 11 Aug 2015 5:13

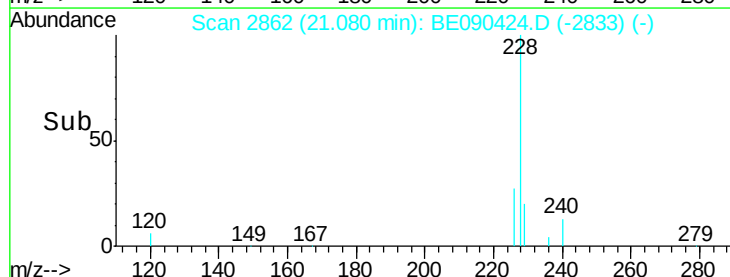
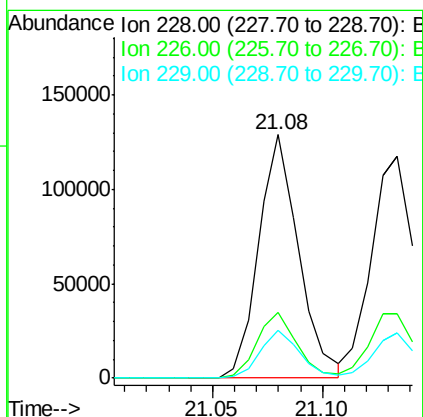
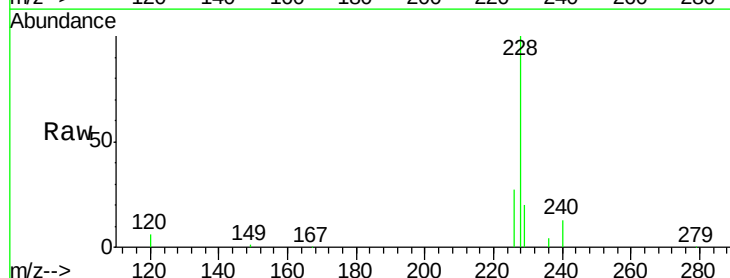
Instrument :
 BNA_E
 ClientSampleId :
 PB84906BS

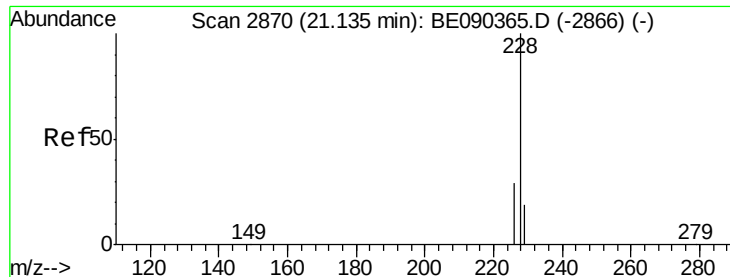
Tgt Ion:244 Resp: 117667
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 13.2 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 3.69 ng
 RT: 21.08 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BE090424.D
 Acq: 11 Aug 2015 5:13

Tgt Ion:228 Resp: 162812
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.9 32.9
 229 19.6 15.4 23.0





#29

Chrysene

Concen: 3.23 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

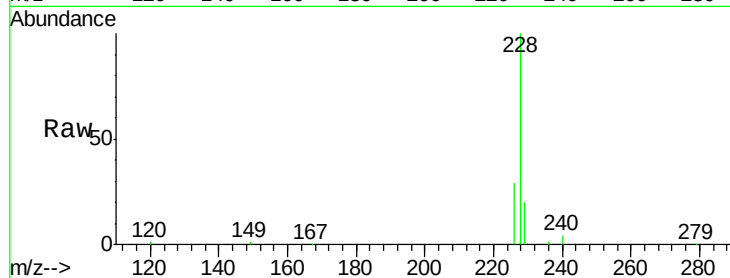
Tgt Ion:228 Resp: 172044

Ion Ratio Lower Upper

228 100

226 29.3 23.1 34.7

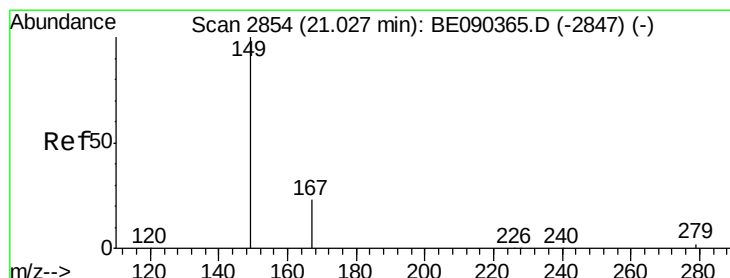
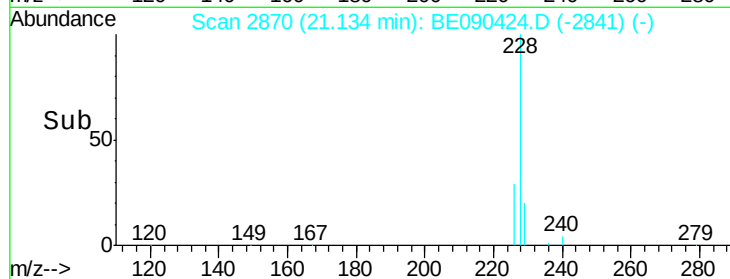
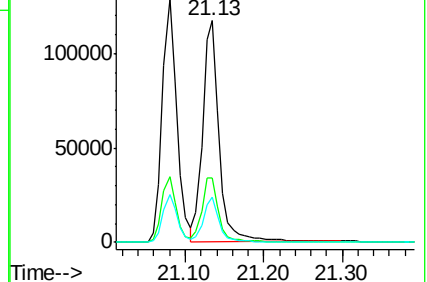
229 20.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 4.76 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

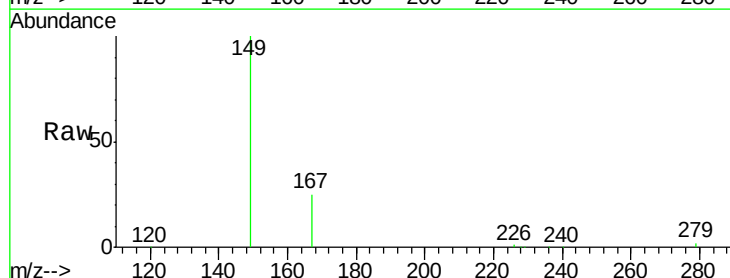
Tgt Ion:149 Resp: 74530

Ion Ratio Lower Upper

149 100

167 25.7 19.8 29.8

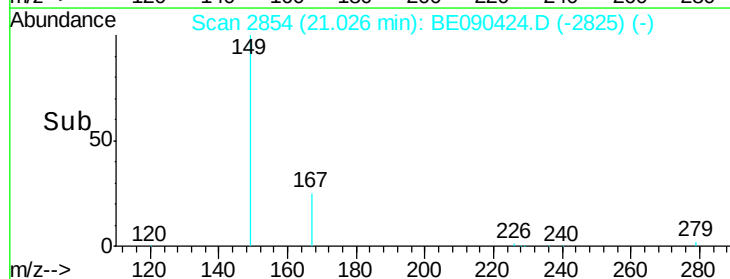
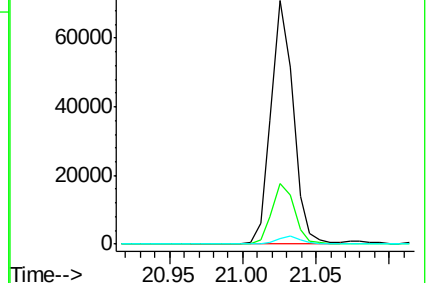
279 3.1 2.4 3.6

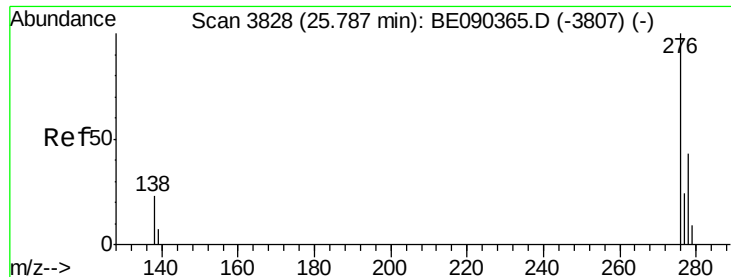


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.22 ng

RT: 25.78 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

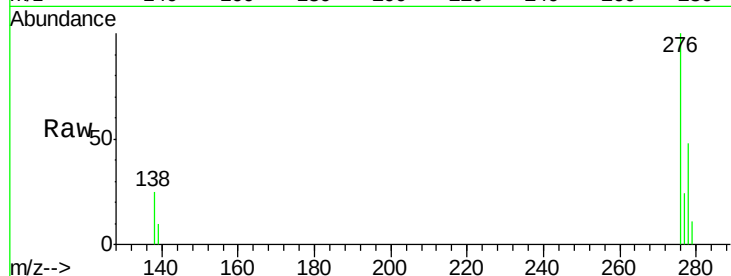
Tgt Ion:276 Resp: 150433

Ion Ratio Lower Upper

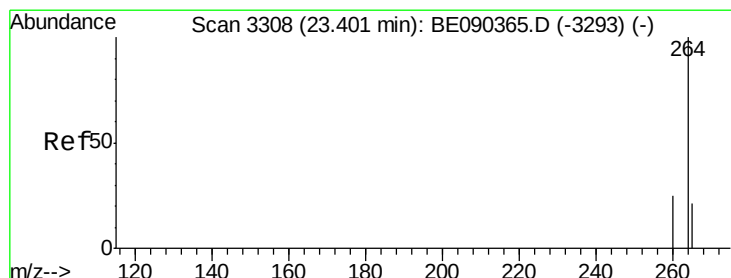
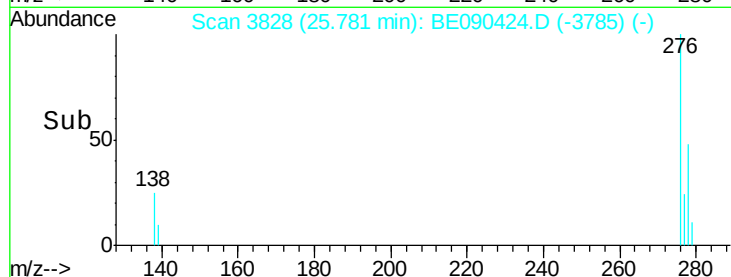
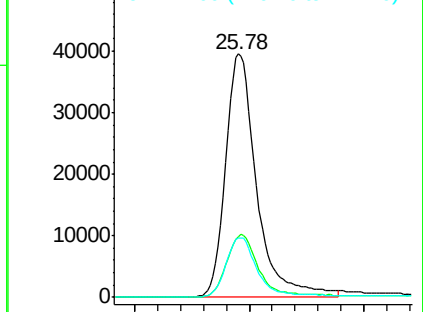
276 100

138 26.6 18.8 28.2

277 24.7 18.2 27.4



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: 23.40 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

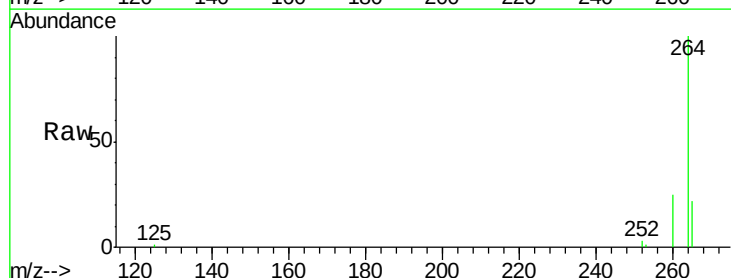
Tgt Ion:264 Resp: 181810

Ion Ratio Lower Upper

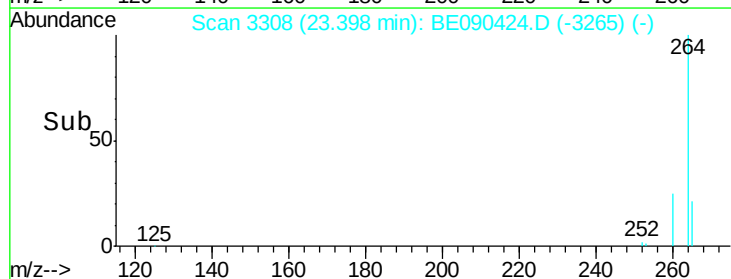
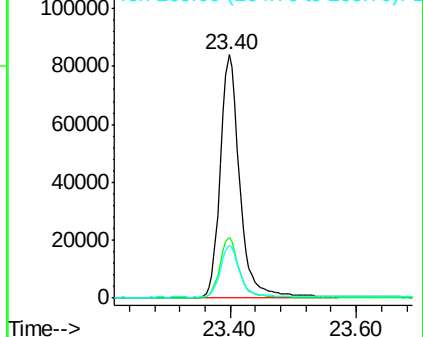
264 100

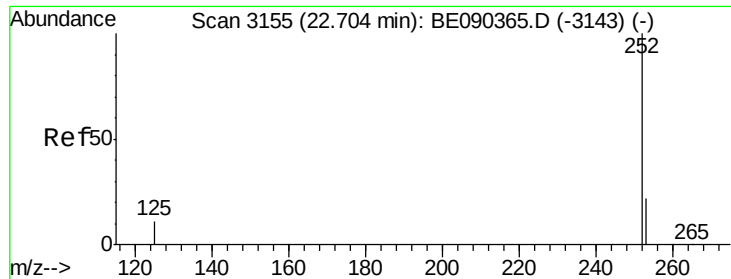
260 25.0 20.1 30.1

265 21.8 17.2 25.8



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: 3.45 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

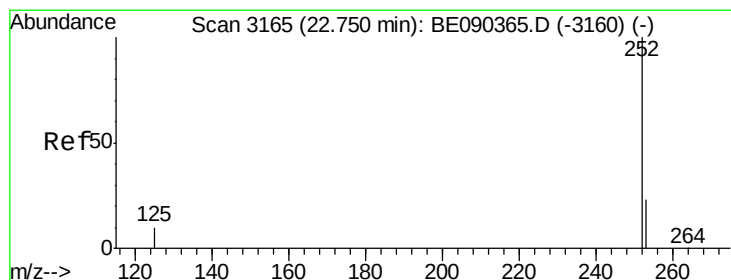
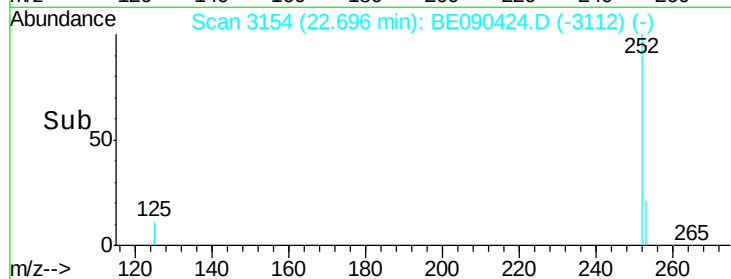
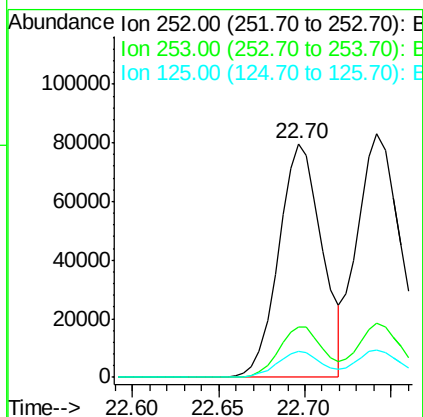
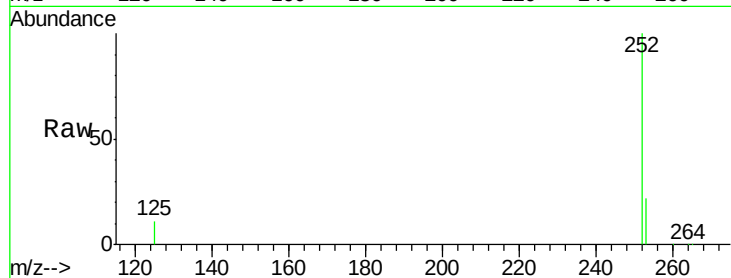
Instrument :

BNA_E

ClientSampleId :

PB84906BS

Tgt Ion:	252	Resp:	139046
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.1	27.1
125	11.4	9.4	14.2



#34

Benzo(k)fluoranthene

Concen: 3.15 ng

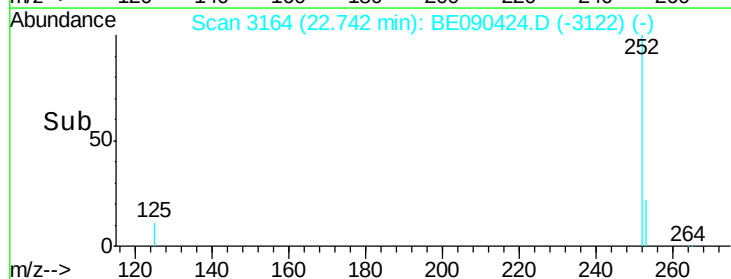
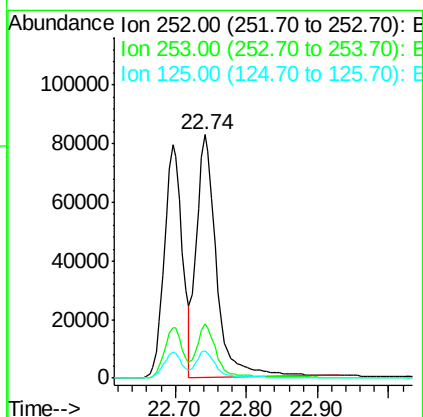
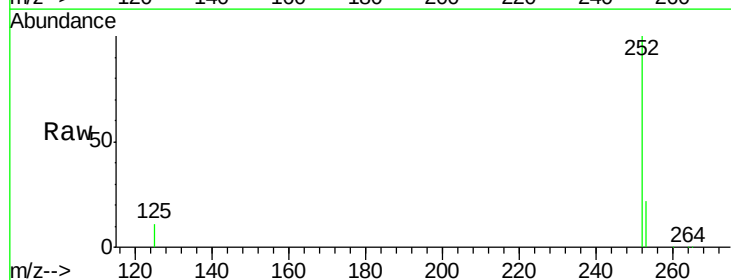
RT: 22.74 min Scan# 3164

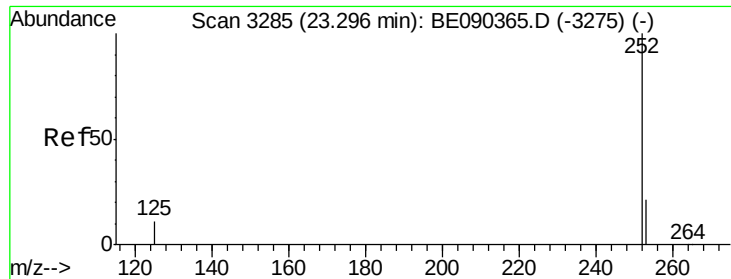
Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Tgt Ion:	252	Resp:	159537
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	11.1	9.1	13.7





#35

Benzo(a)pyrene

Concen: 3.43 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS

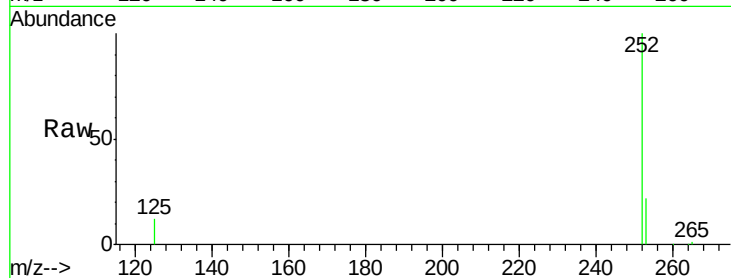
Tgt Ion:252 Resp: 130481

Ion Ratio Lower Upper

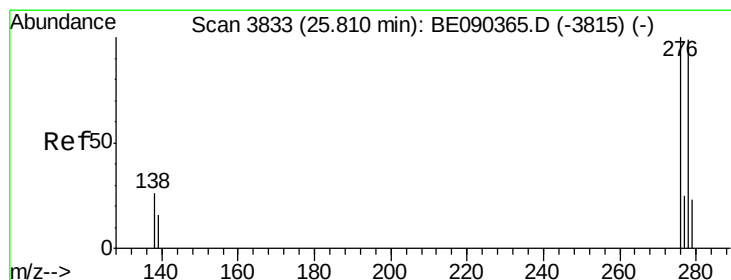
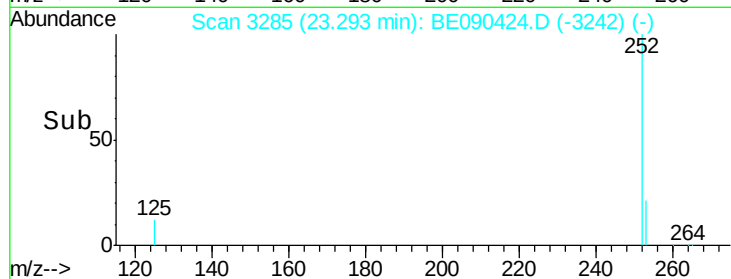
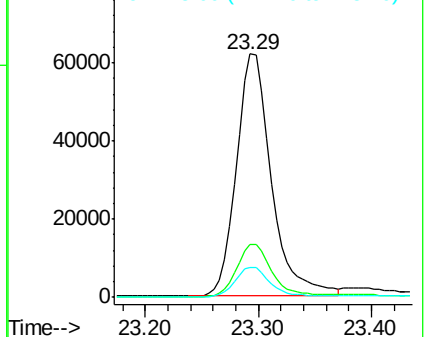
252 100

253 21.6 17.6 26.4

125 12.3 9.8 14.6



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: 3.26 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090424.D

Acq: 11 Aug 2015 5:13

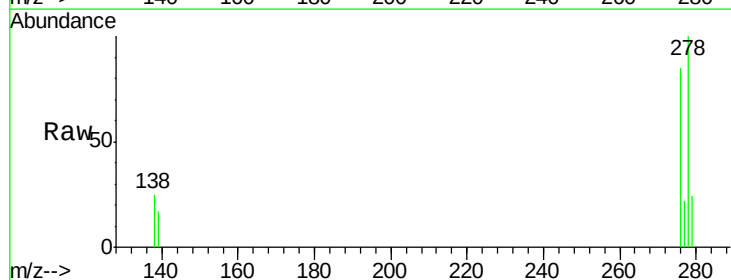
Tgt Ion:278 Resp: 120007

Ion Ratio Lower Upper

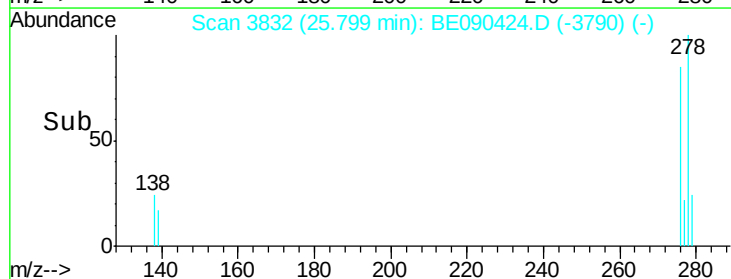
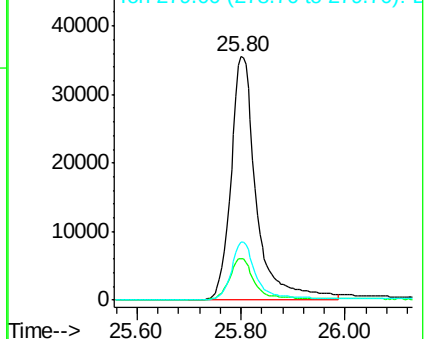
278 100

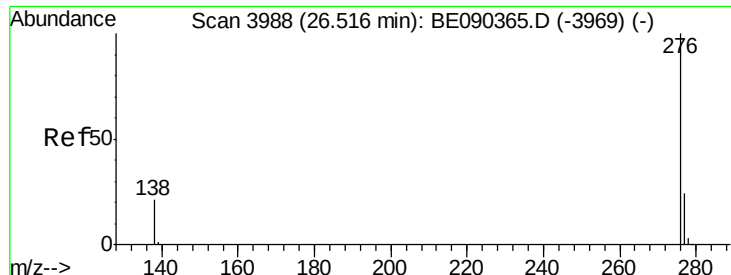
139 17.1 14.2 21.4

279 23.9 20.1 30.1



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: 3.96 ng

RT: 26.51 min Scan# 3988

Delta R.T. -0.01 min

Lab File: BE090424.D

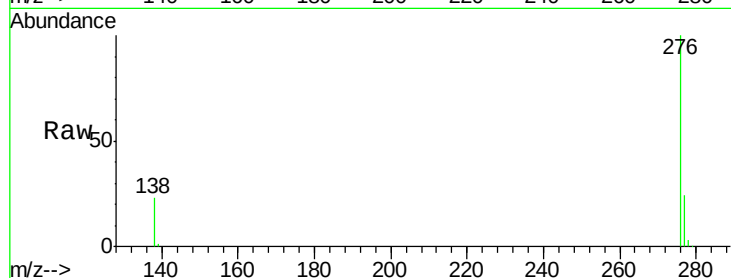
Acq: 11 Aug 2015 5:13

Instrument :

BNA_E

ClientSampleId :

PB84906BS



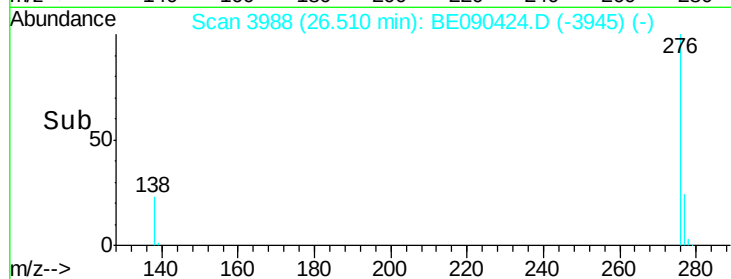
Tgt Ion: 276 Resp: 132880

Ion Ratio Lower Upper

276 100

277 23.9 20.1 30.1

138 23.0 18.1 27.1



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

