

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE090007.D
 Acq On : 30 Jun 2015 7:43
 Operator : TP/IZ
 Sample : G2810-27MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625MS

Quant Time: Jun 30 09:06:29 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	20797	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	101880	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	59700	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	134455	5.00	ng	0.00
25) Chrysene-d12	21.14	240	126998	5.00	ng	0.00
32) Perylene-d12	23.47	264	134059	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.26	112	39268	8.22	ng	0.00
5) Phenol-d6	6.81	99	63987	9.57	ng	0.00
7) Nitrobenzene-d5	8.76	82	38837	4.80	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	19573	11.19	ng	0.02
14) 2-Fluorobiphenyl	12.86	172	77967	4.35	ng	0.00
27) Terphenyl-d14	19.60	244	112789	5.33	ng	0.00

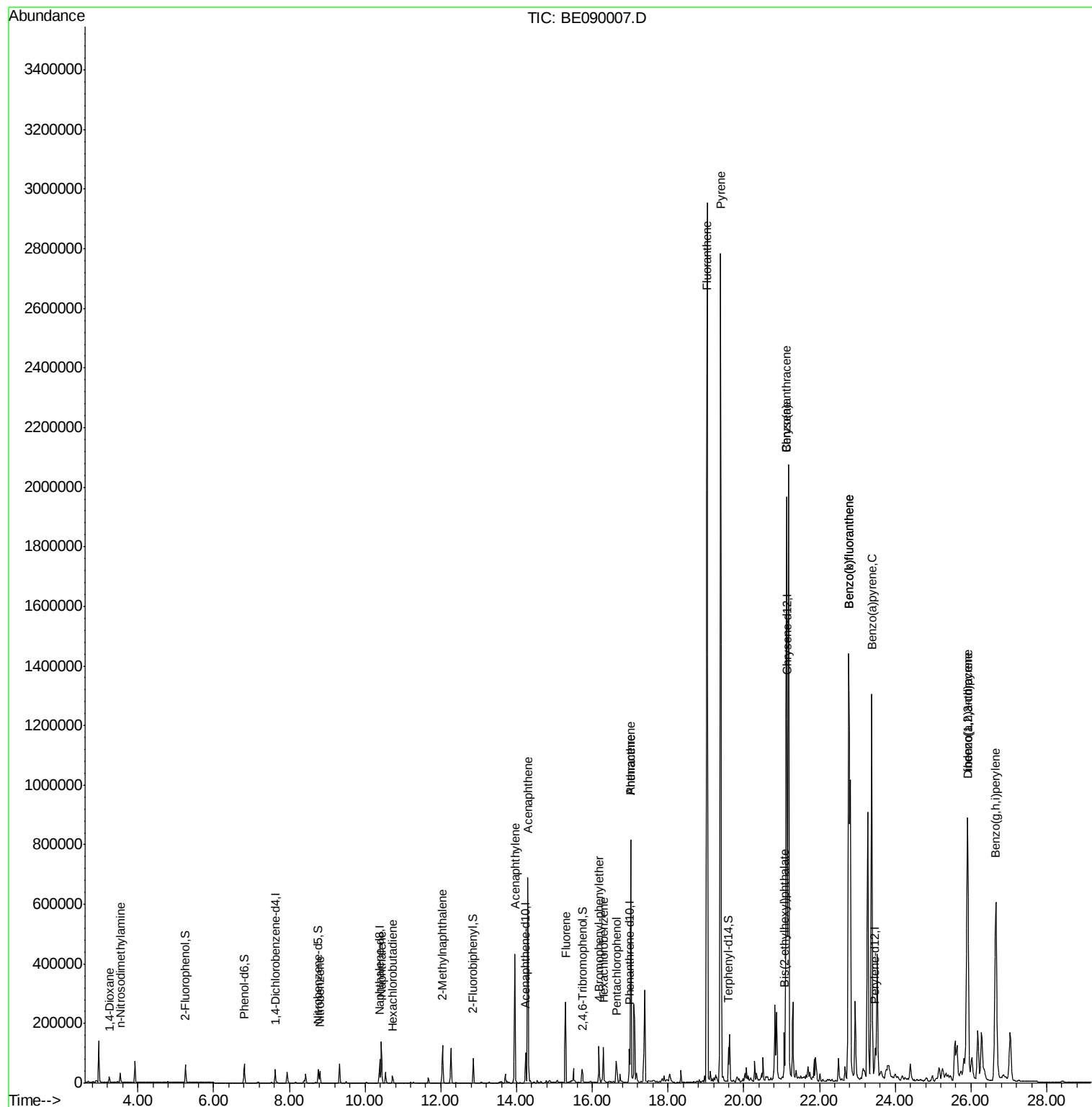
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	10217	3.58	ng	100
3) n-Nitrosodimethylamine	3.53	42	16360	4.23	ng	91
8) Nitrobenzene	8.80	77	43354	5.05	ng	96
9) Naphthalene	10.43	128	187927	8.16	ng	99
10) Hexachlorobutadiene	10.72	225	17015	4.70	ng	100
11) 2-Methylnaphthalene	12.05	142	88060	5.72	ng	100
15) Acenaphthylene	13.95	152	536133	4.98	ng	99
16) Acenaphthene	14.30	154	125345	8.08	ng	96
17) Fluorene	15.29	166	128663	6.09	ng	99
19) 4-Bromophenyl-phenylether	16.18	248	29221	5.11	ng	95
20) Hexachlorobenzene	16.30	284	125227	5.26	ng	96
21) Pentachlorophenol	16.63	266	33835	11.00	ng	93
22) Phenanthrene	17.01	178	1153291	33.48	ng	98
23) Anthracene	17.01	178	1153196	36.59	ng	96
24) Fluoranthene	19.03	202	2833620	73.65	ng	# 94
26) Pyrene	19.39	202	2694631	89.02	ng	# 89
28) Benzo(a)anthracene	21.13	228	1988015	62.68	ng	94
29) Chrysene	21.13	228	1988992	60.40	ng	97
30) Bis(2-ethylhexyl)phthalate	21.07	149	124223	8.30	ng	99
31) Indeno(1,2,3-cd)pyrene	25.91	276	1523416	48.25	ng	97
33) Benzo(b)fluoranthene	22.77	252	2756960	93.22	ng	# 95
34) Benzo(k)fluoranthene	22.77	252	2756960	83.44	ng	95
35) Benzo(a)pyrene	23.38	252	1987758	72.78	ng	96
36) Dibenzo(a,h)anthracene	25.92	278	498295	17.77	ng	98
37) Benzo(g,h,i)perylene	26.66	276	1500206	52.78	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: 7.63 min Scan# 854

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

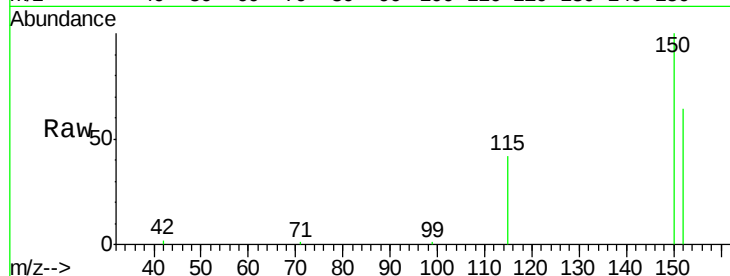
Tgt Ion: 152 Resp: 20797

Ion Ratio Lower Upper

152 100

150 156.9 123.9 185.9

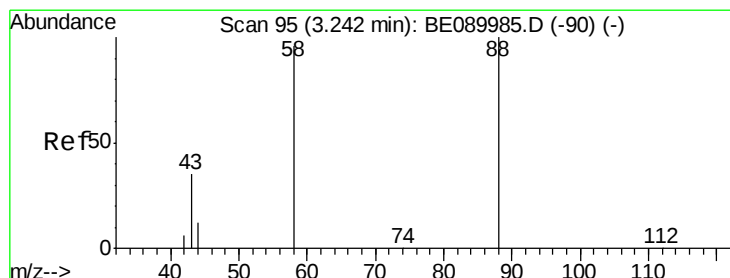
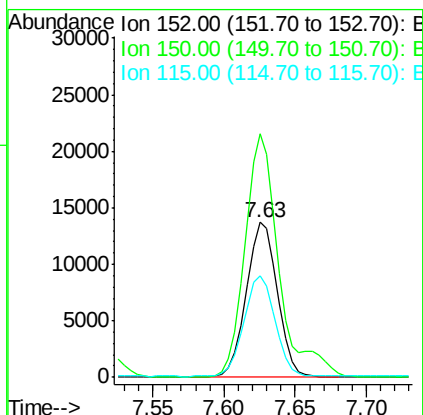
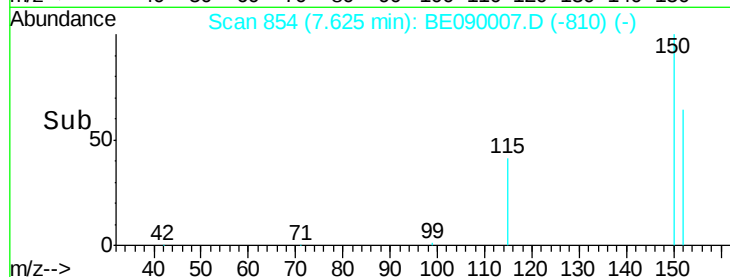
115 65.7 50.6 76.0



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: 3.58 ng

RT: 3.24 min Scan# 95

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

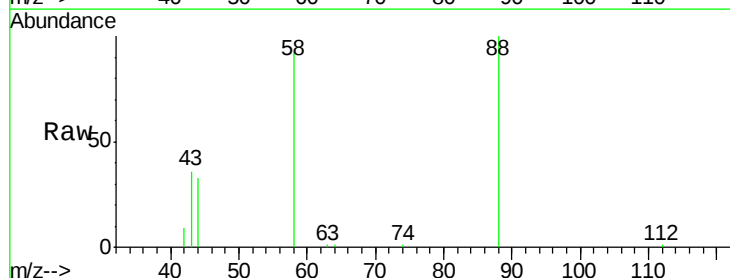
Tgt Ion: 88 Resp: 10217

Ion Ratio Lower Upper

88 100

58 88.6 70.9 106.3

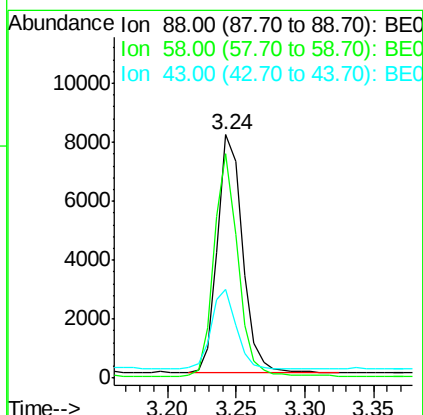
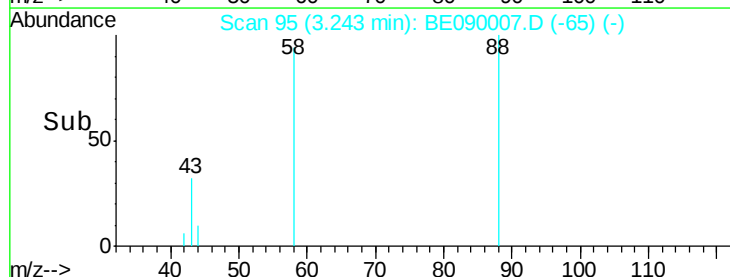
43 34.1 27.6 41.4

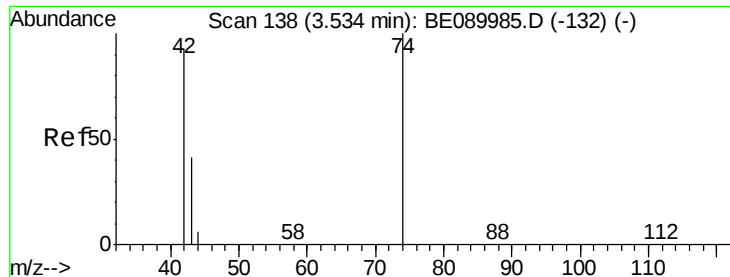


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.23 ng

RT: 3.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

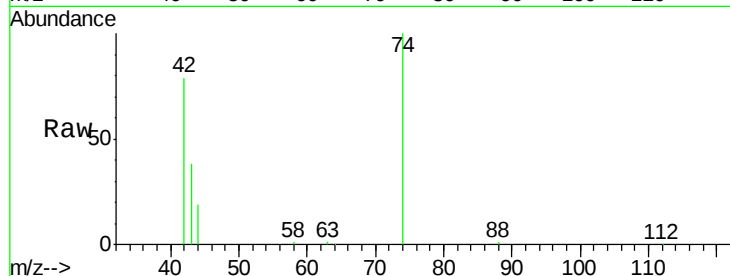
Tgt Ion: 42 Resp: 16360

Ion Ratio Lower Upper

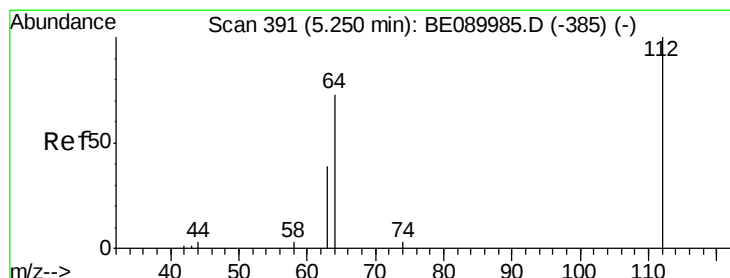
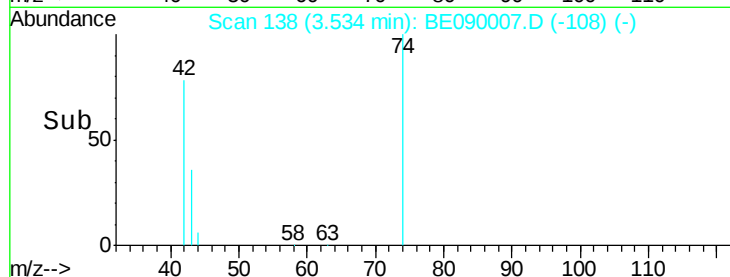
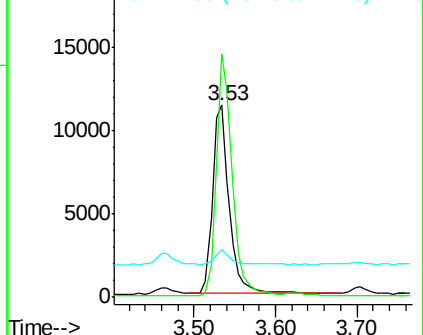
42 100

74 122.0 89.4 134.2

44 6.9 6.9 10.3



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: 8.22 ng

RT: 5.26 min Scan# 392

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

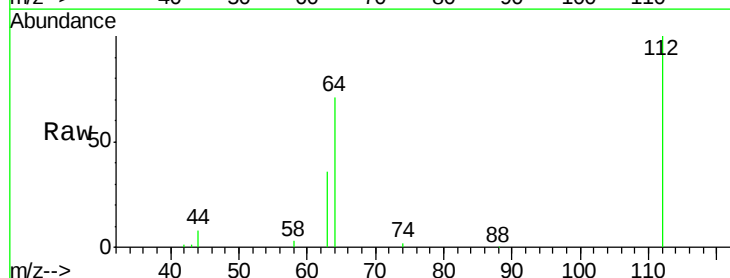
Tgt Ion: 112 Resp: 39268

Ion Ratio Lower Upper

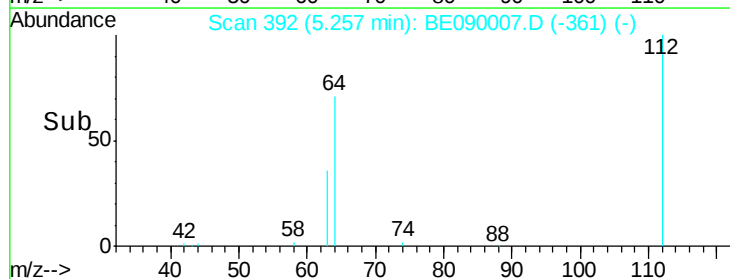
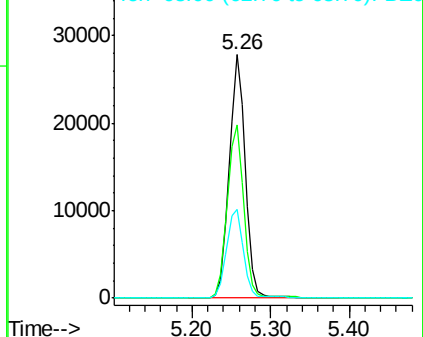
112 100

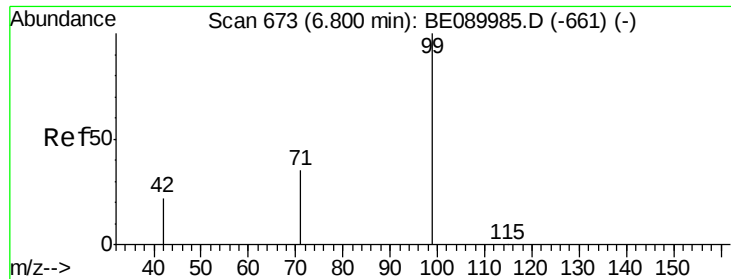
64 72.2 56.3 84.5

63 37.5 29.8 44.6



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: 9.57 ng

RT: 6.81 min Scan# 674

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

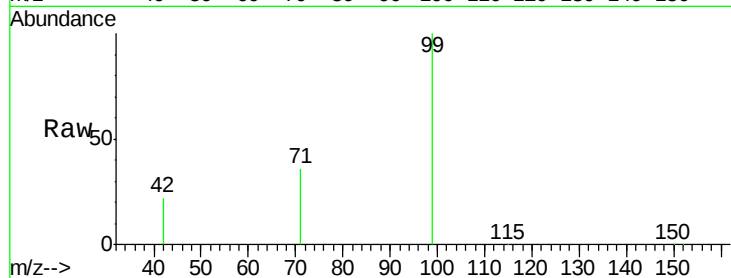
Tgt Ion: 99 Resp: 63987

Ion Ratio Lower Upper

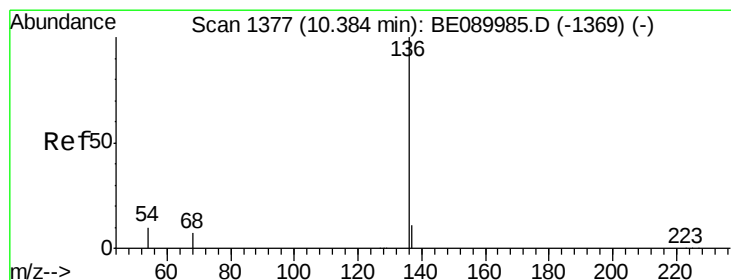
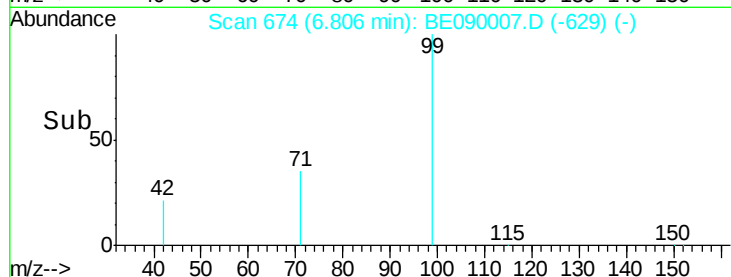
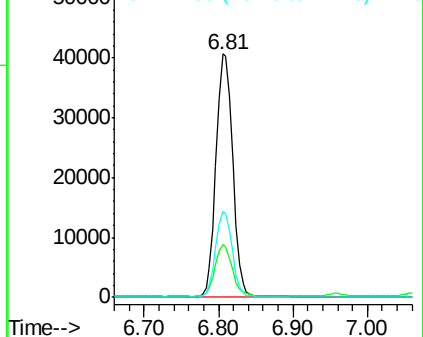
99 100

42 21.9 18.7 28.1

71 34.6 27.5 41.3



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: 10.38 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Tgt Ion: 136 Resp: 101880

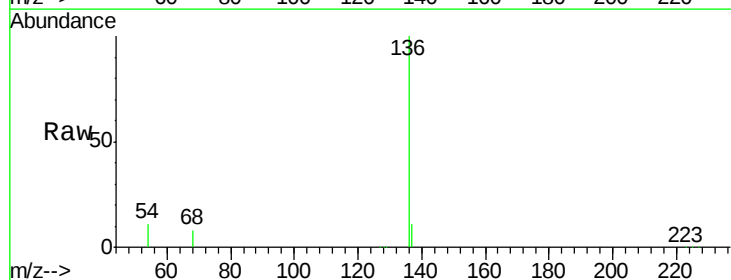
Ion Ratio Lower Upper

136 100

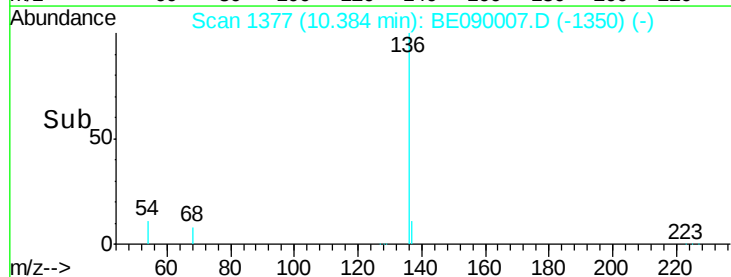
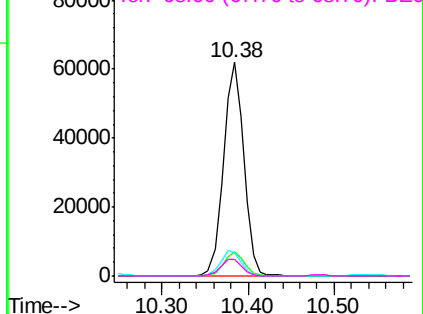
137 11.1 8.9 13.3

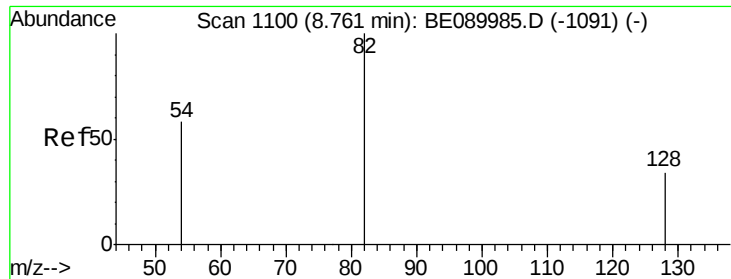
54 10.9 8.2 12.4

68 7.9 5.8 8.8



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: 4.80 ng

RT: 8.76 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

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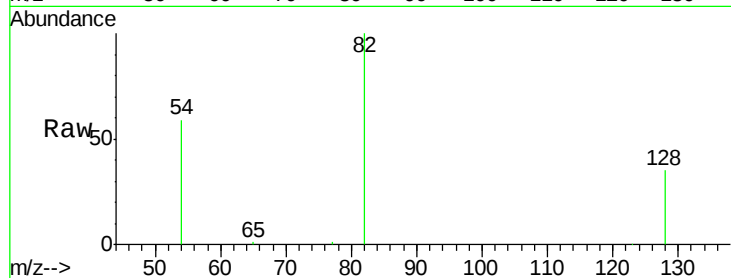
Tgt Ion: 82 Resp: 38837

Ion Ratio Lower Upper

82 100

128 34.9 28.0 42.0

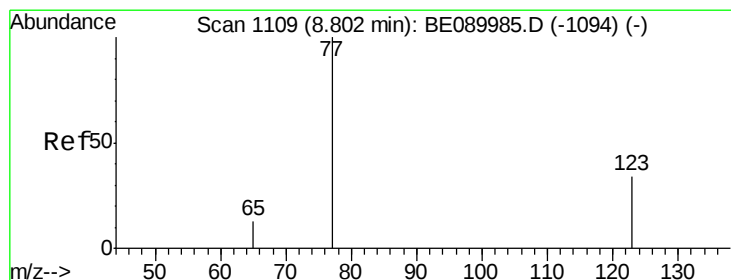
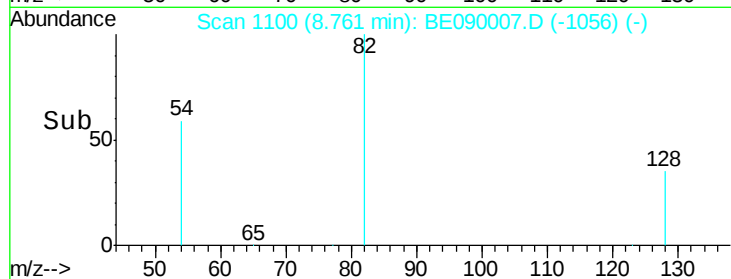
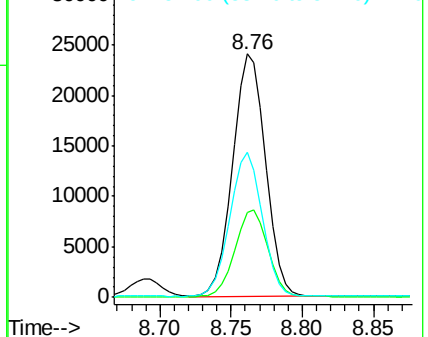
54 59.4 47.6 71.4



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: 5.05 ng

RT: 8.80 min Scan# 1109

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

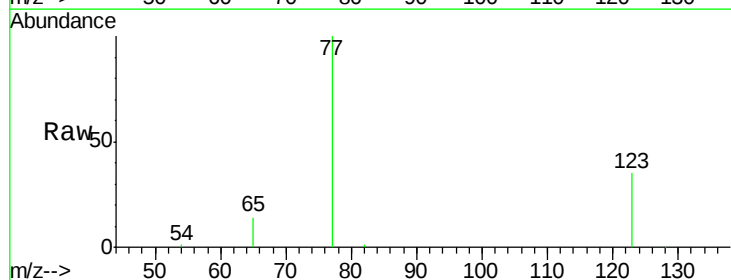
Tgt Ion: 77 Resp: 43354

Ion Ratio Lower Upper

77 100

123 36.7 27.4 41.0

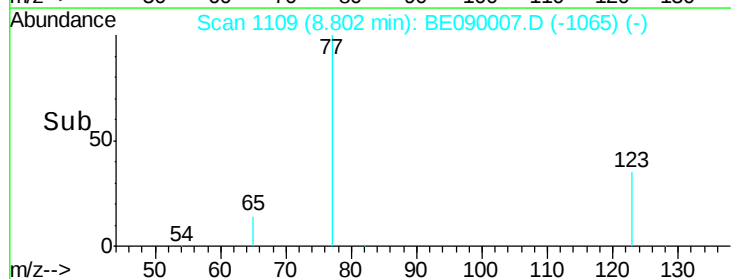
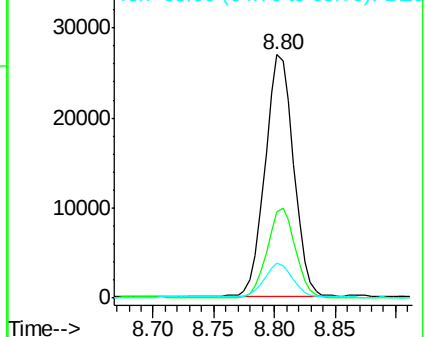
65 13.8 10.6 15.8

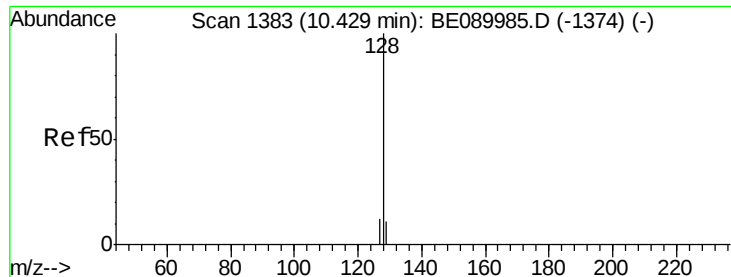


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 8.16 ng

RT: 10.43 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

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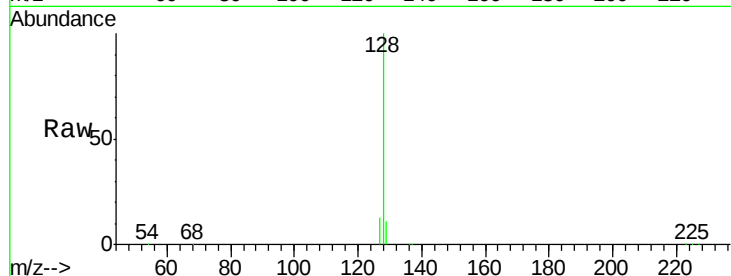
Tgt Ion:128 Resp: 187927

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

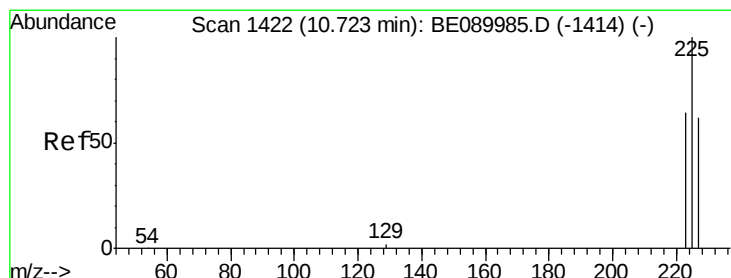
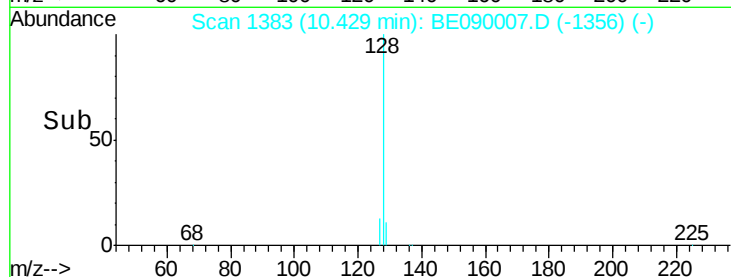
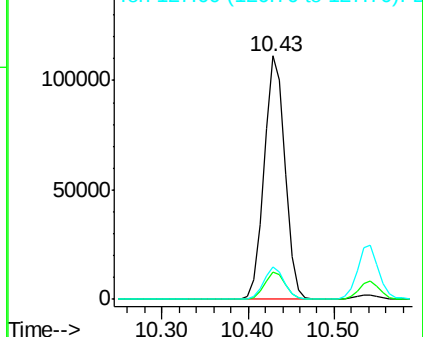
127 13.2 10.2 15.4



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: 4.70 ng

RT: 10.72 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

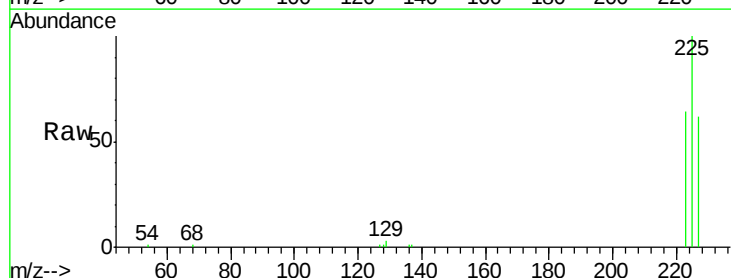
Tgt Ion:225 Resp: 17015

Ion Ratio Lower Upper

225 100

223 62.7 50.1 75.1

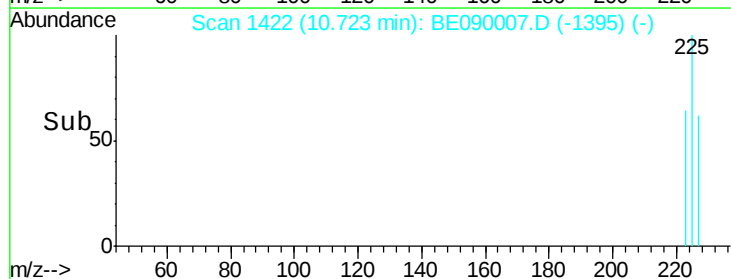
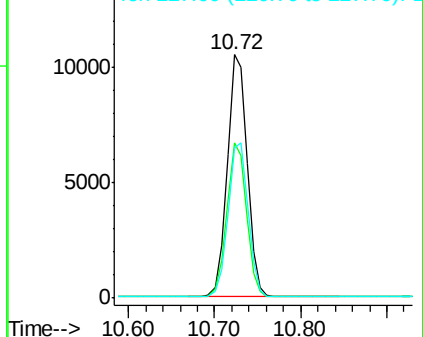
227 64.0 50.9 76.3

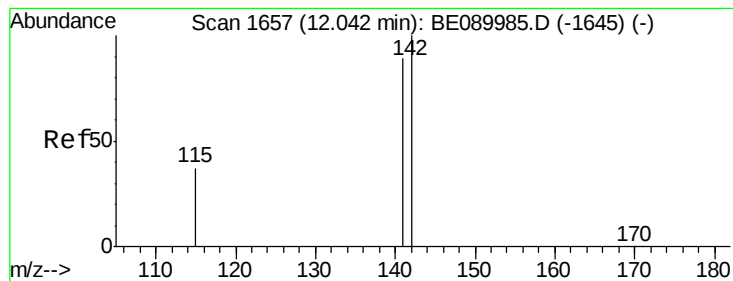


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 5.72 ng

RT: 12.05 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

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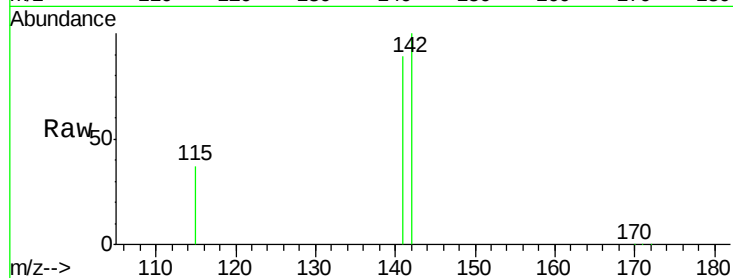
Tgt Ion:142 Resp: 88060

Ion Ratio Lower Upper

142 100

141 89.3 71.3 106.9

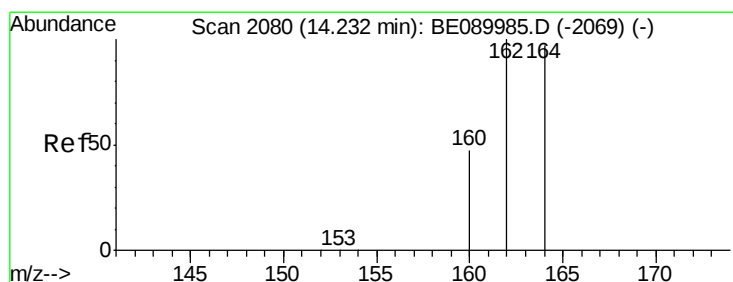
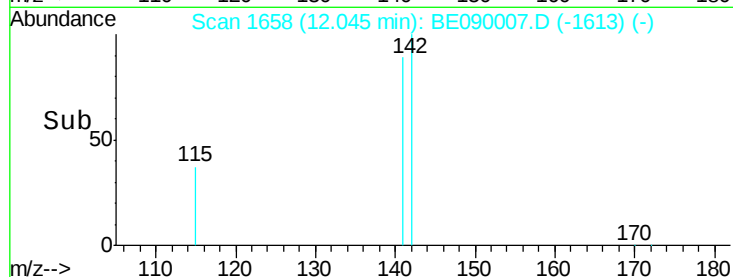
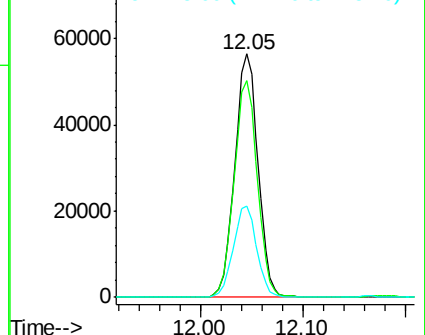
115 37.5 30.4 45.6



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: 14.24 min Scan# 2081

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

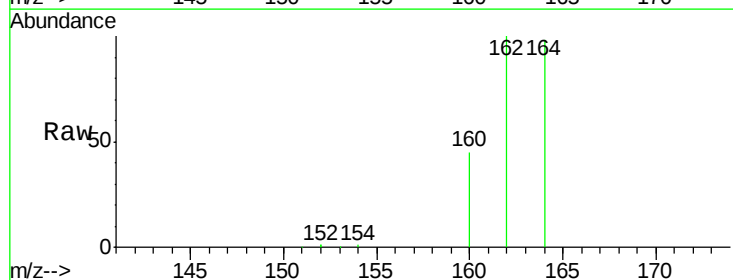
Tgt Ion:164 Resp: 59700

Ion Ratio Lower Upper

164 100

162 102.2 82.2 123.4

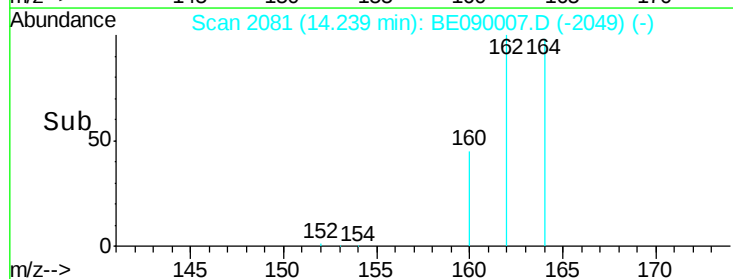
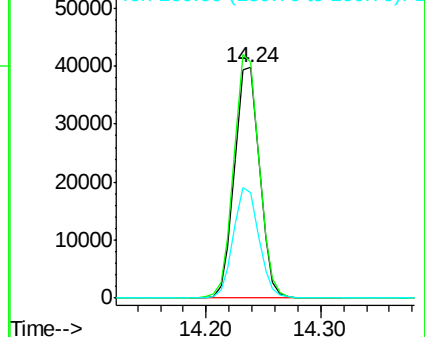
160 45.8 39.0 58.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

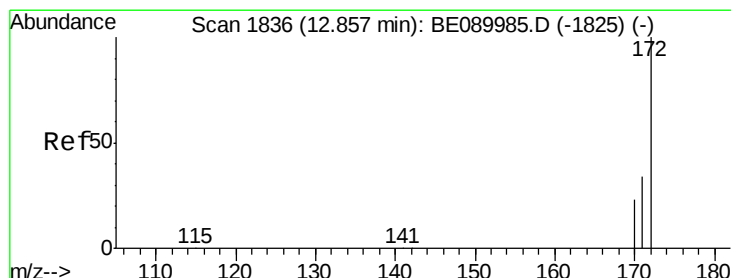
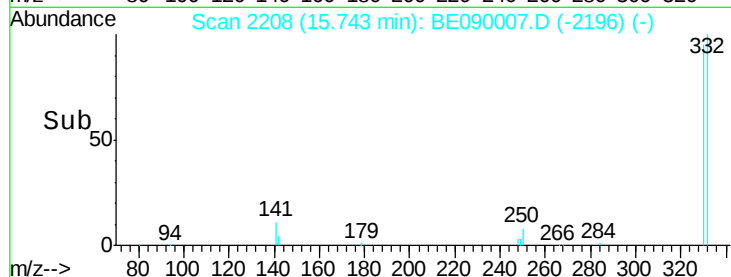
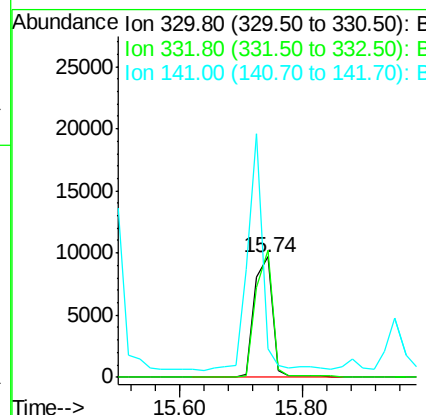
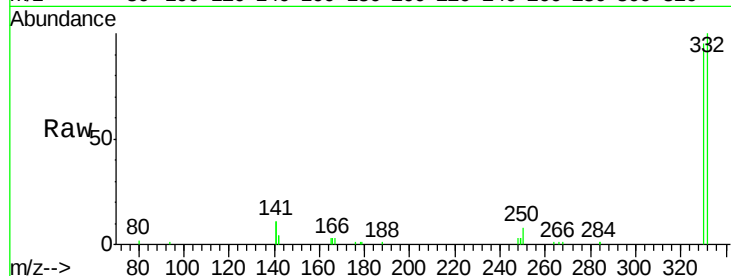




#13
 2,4,6-Tribromophenol
 Concen: 11.19 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.02 min
 Lab File: BE090007.D
 Acq: 30 Jun 2015 7:43

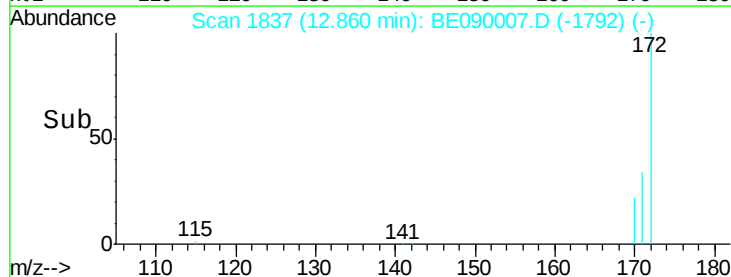
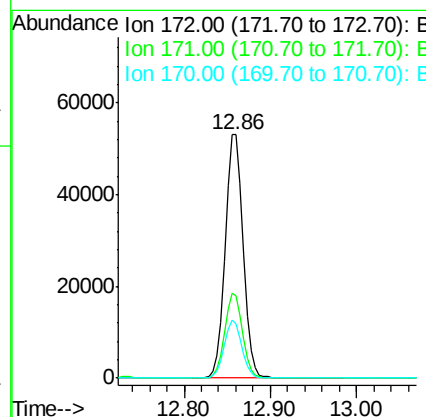
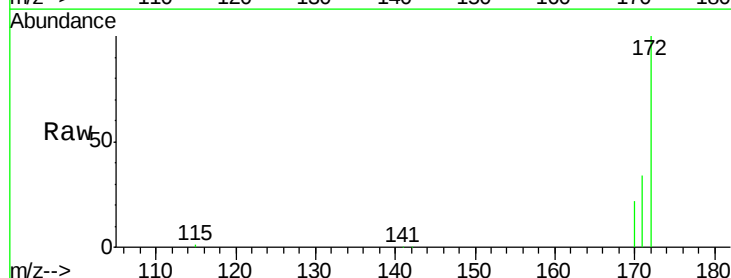
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625MS

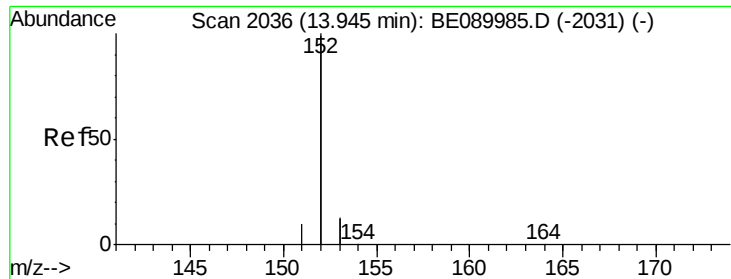
Tgt Ion:330 Resp: 19573
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.4 114.6
 141 166.1 130.3 195.5



#14
 2-Fluorobiphenyl
 Concen: 4.35 ng
 RT: 12.86 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BE090007.D
 Acq: 30 Jun 2015 7:43

Tgt Ion:172 Resp: 77967
 Ion Ratio Lower Upper
 172 100
 171 33.8 27.8 41.6
 170 22.4 18.3 27.5





#15

Acenaphthylene

Concen: 4.98 ng

RT: 13.95 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

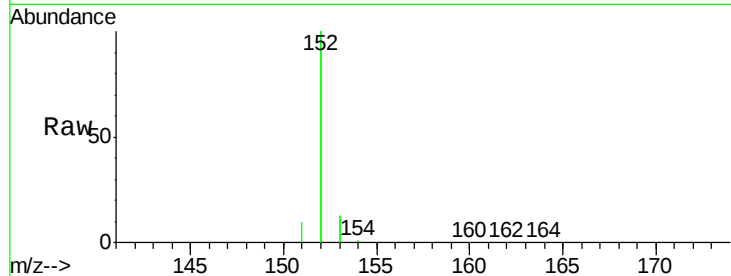
Tgt Ion:152 Resp: 536133

Ion Ratio Lower Upper

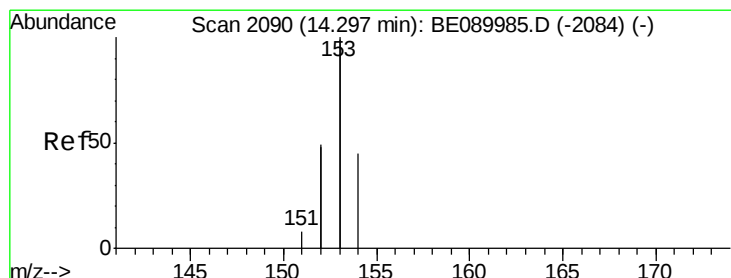
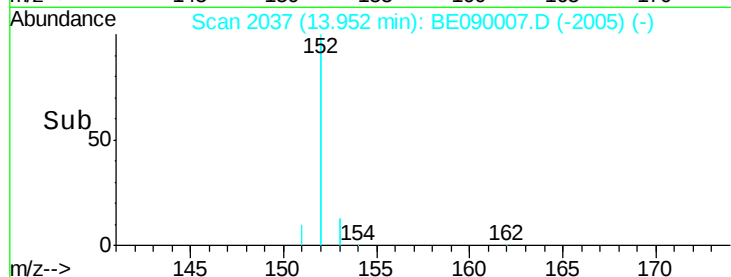
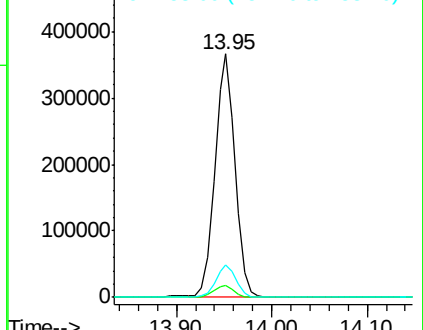
152 100

151 4.9 3.9 5.9

153 13.4 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: 8.08 ng

RT: 14.30 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

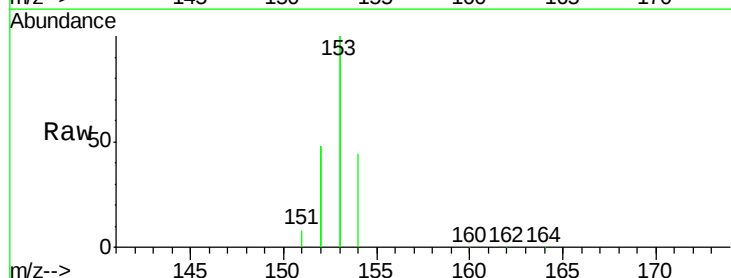
Tgt Ion:154 Resp: 125345

Ion Ratio Lower Upper

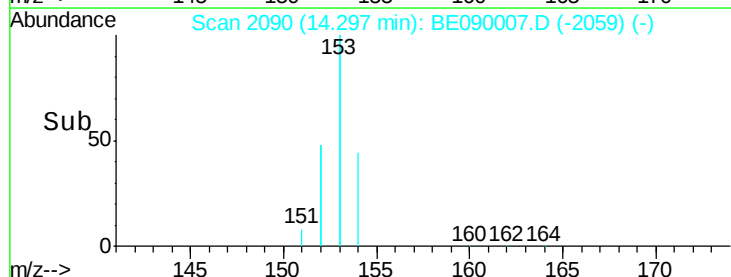
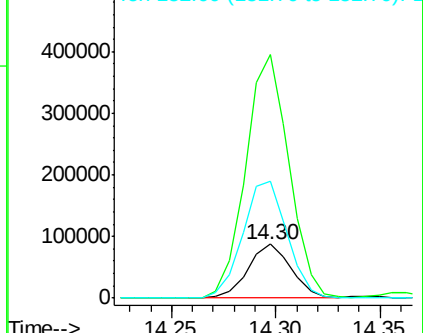
154 100

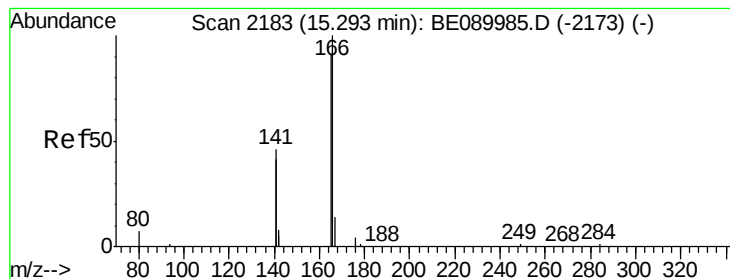
153 455.1 358.6 538.0

152 224.2 189.6 284.4



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: 6.09 ng

RT: 15.29 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

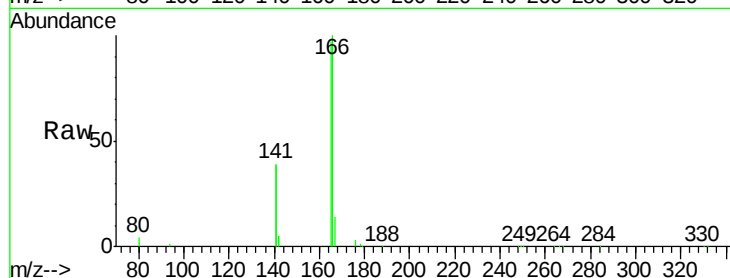
Tgt Ion:166 Resp: 128663

Ion Ratio Lower Upper

166 100

165 99.7 79.0 118.6

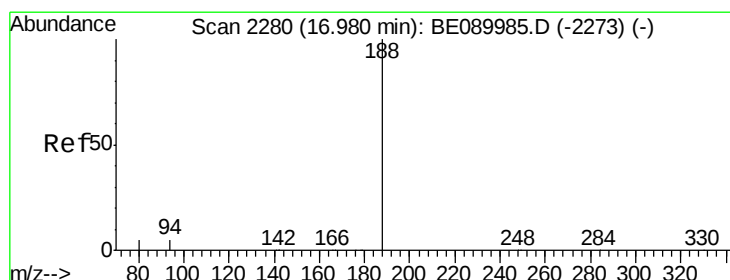
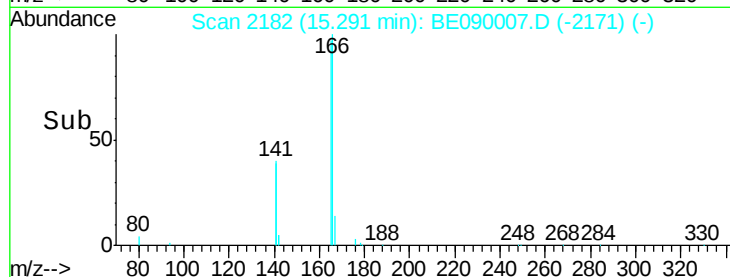
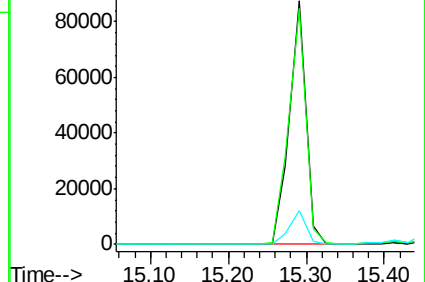
167 14.0 11.8 17.8



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: 16.98 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

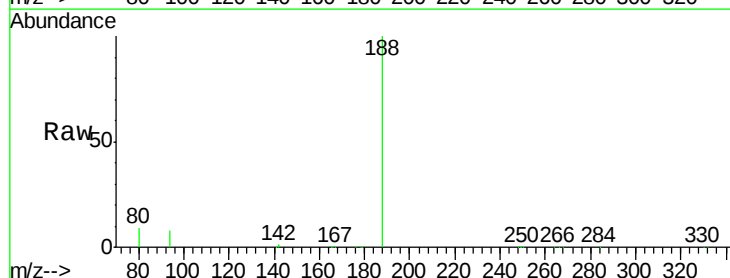
Tgt Ion:188 Resp: 134455

Ion Ratio Lower Upper

188 100

94 8.2 4.1 6.1#

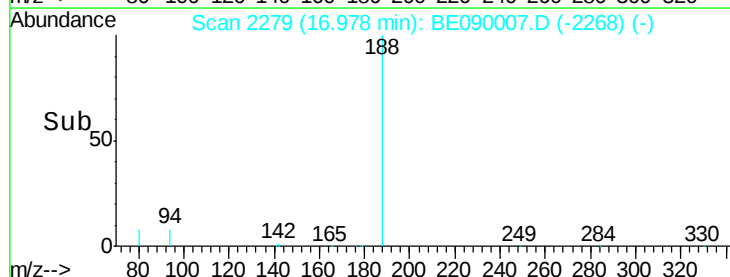
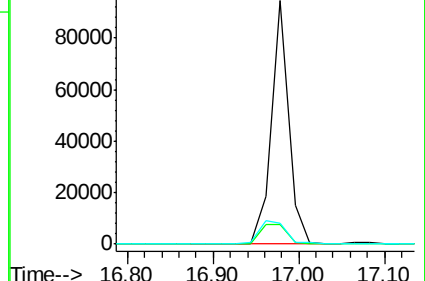
80 8.7 4.2 6.2#

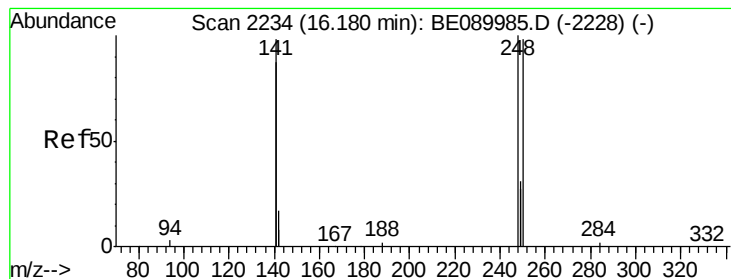


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#19

4-Bromophenyl-phenylether

Concen: 5.11 ng

RT: 16.18 min Scan# 2233

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

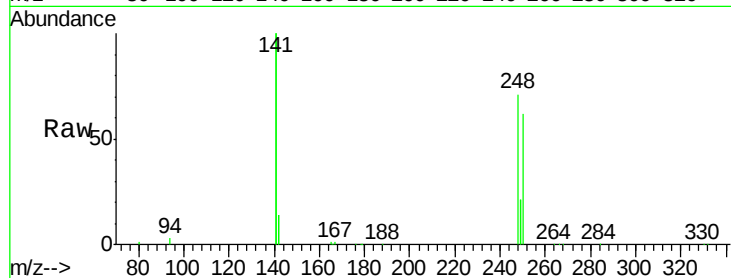
Tgt Ion:248 Resp: 29221

Ion Ratio Lower Upper

248 100

250 96.1 78.3 117.5

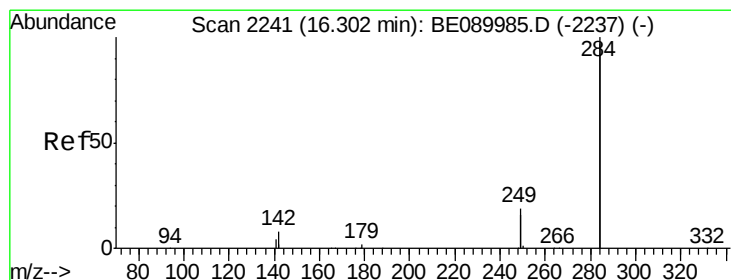
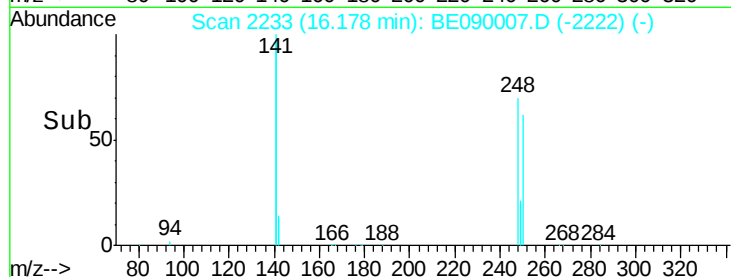
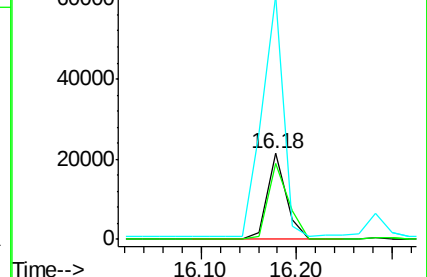
141 321.3 248.1 372.1



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: 5.26 ng

RT: 16.30 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

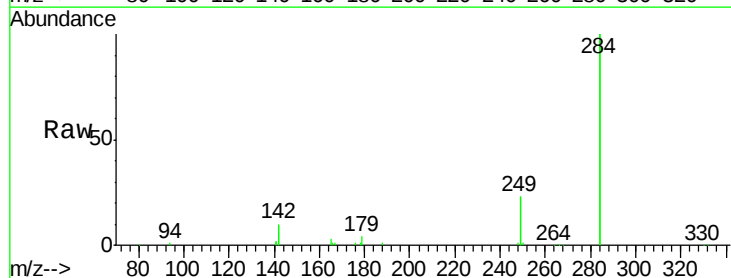
Tgt Ion:284 Resp: 125227

Ion Ratio Lower Upper

284 100

142 37.0 32.6 49.0

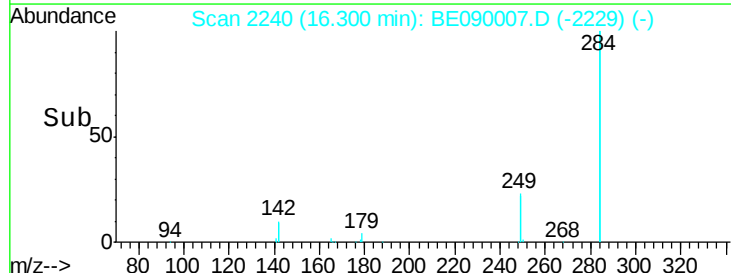
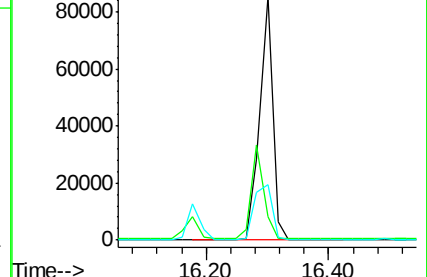
249 30.6 25.5 38.3

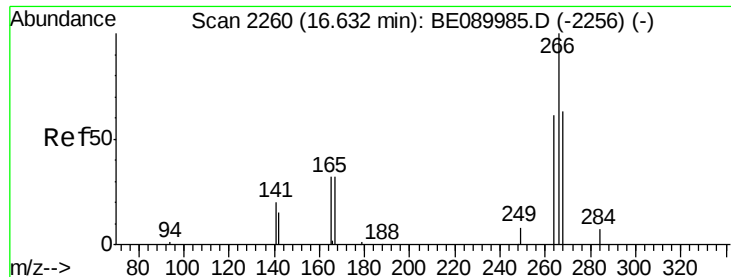


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 11.00 ng

RT: 16.63 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

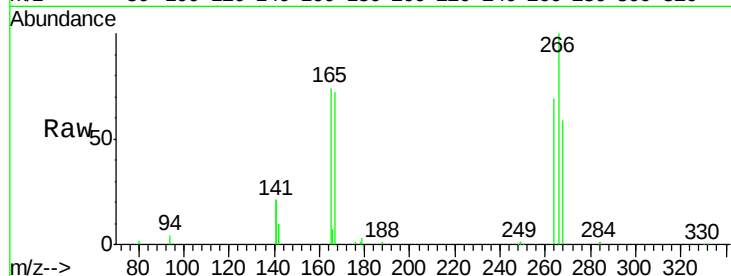
Tgt Ion:266 Resp: 33835

Ion Ratio Lower Upper

266 100

268 59.3 51.8 77.8

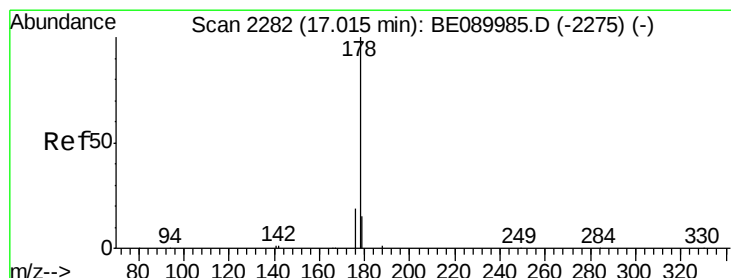
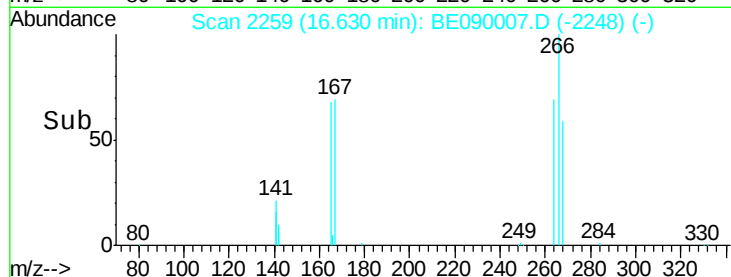
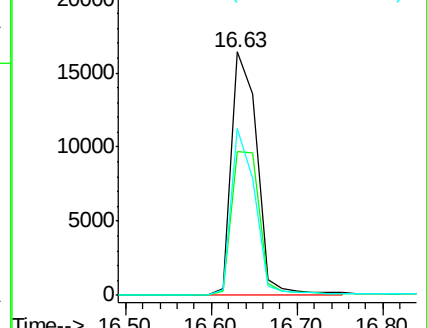
264 68.8 50.2 75.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#22

Phenanthrene

Concen: 33.48 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

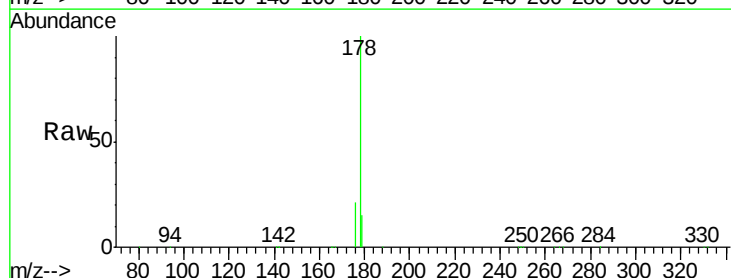
Tgt Ion:178 Resp: 1153291

Ion Ratio Lower Upper

178 100

176 20.1 15.3 22.9

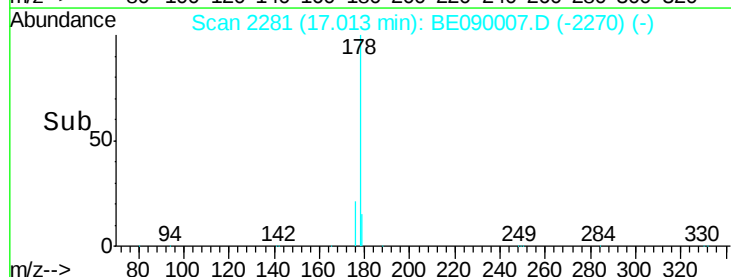
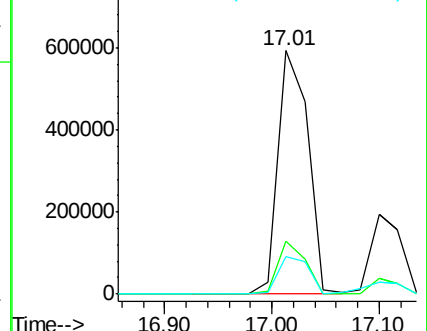
179 16.5 12.4 18.6



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





#23

Anthracene

Concen: 36.59 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.09 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

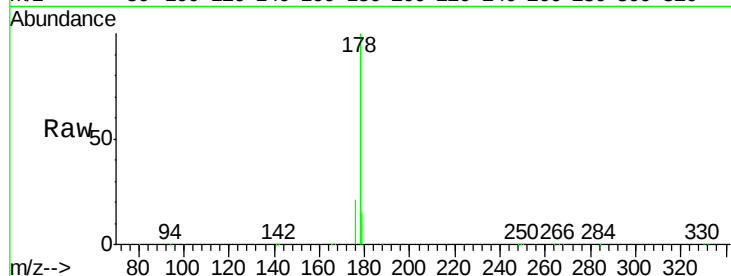
Tgt Ion:178 Resp: 1153196

Ion Ratio Lower Upper

178 100

176 20.1 14.7 22.1

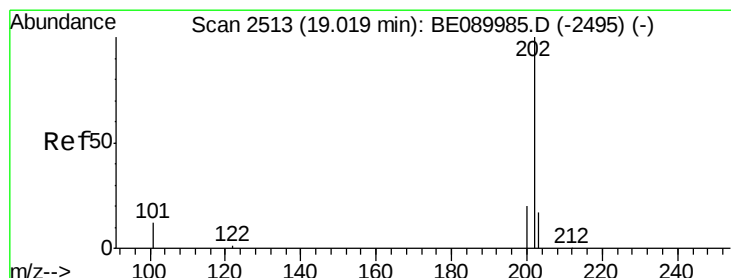
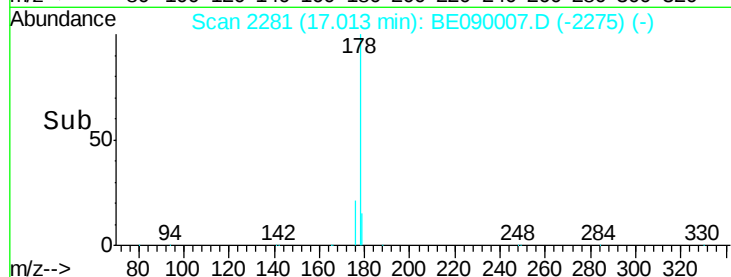
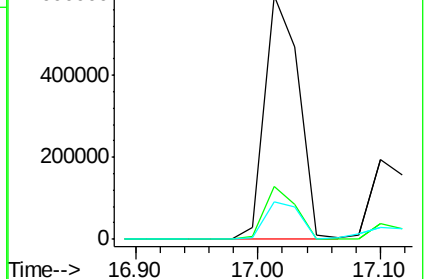
179 16.5 12.1 18.1



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: 73.65 ng

RT: 19.03 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

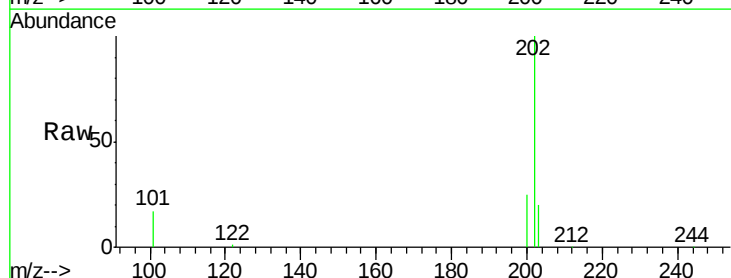
Tgt Ion:202 Resp: 2833620

Ion Ratio Lower Upper

202 100

101 16.2 10.6 15.8#

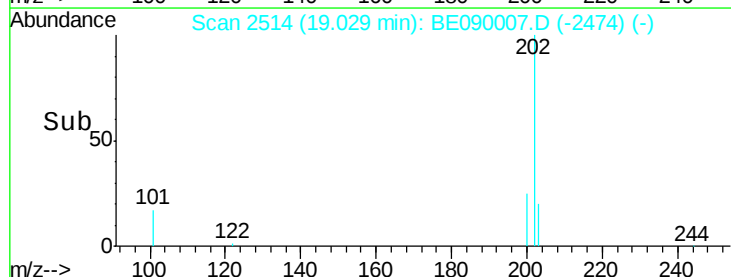
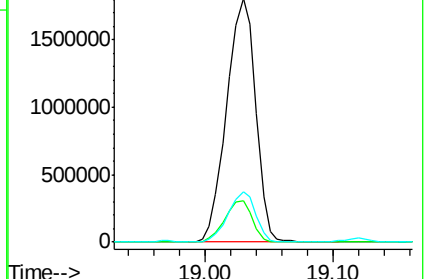
203 19.4 13.8 20.6



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: 21.14 min Scan# 2871

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

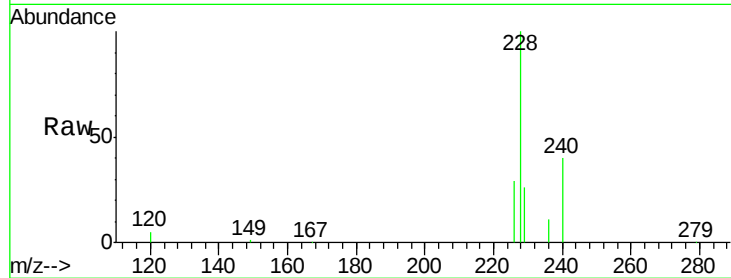
Tgt Ion:240 Resp: 126998

Ion Ratio Lower Upper

240 100

120 12.5 6.9 10.3#

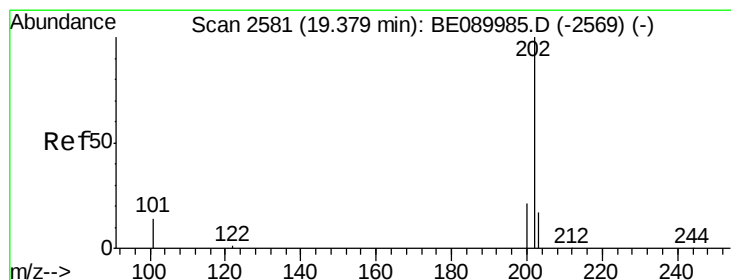
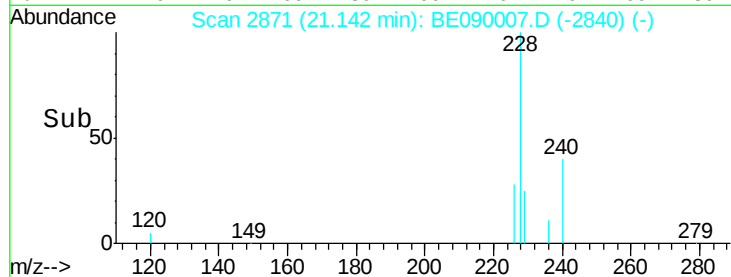
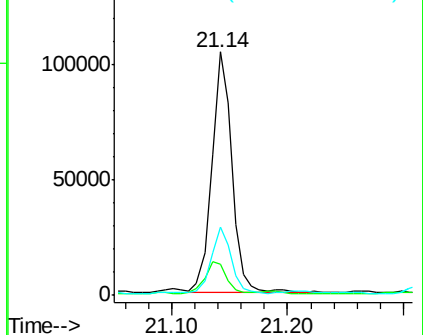
236 28.0 20.8 31.2



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: 89.02 ng

RT: 19.39 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

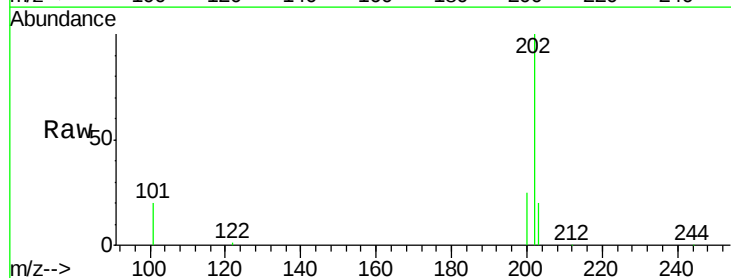
Tgt Ion:202 Resp: 2694631

Ion Ratio Lower Upper

202 100

200 24.0 16.8 25.2

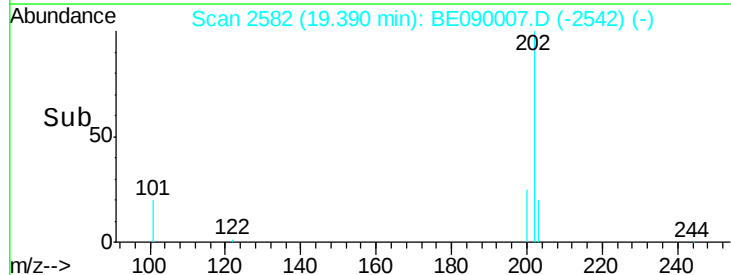
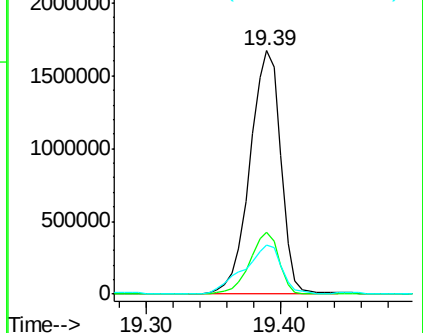
203 24.6 13.9 20.9#

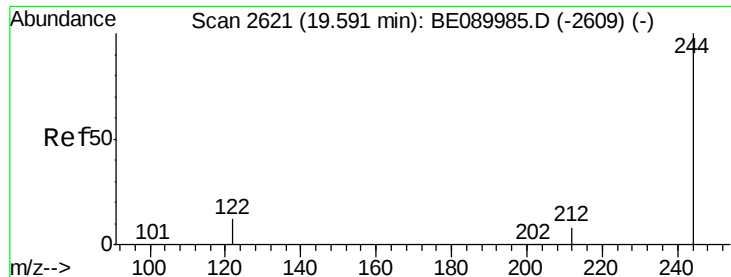


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

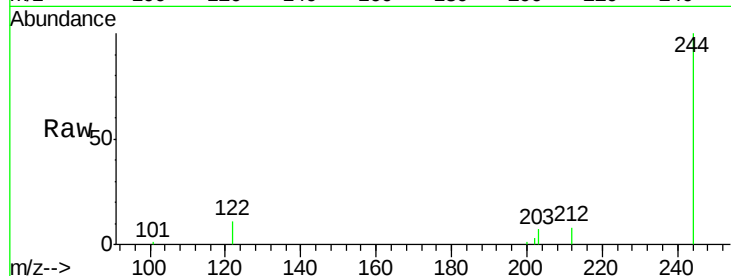




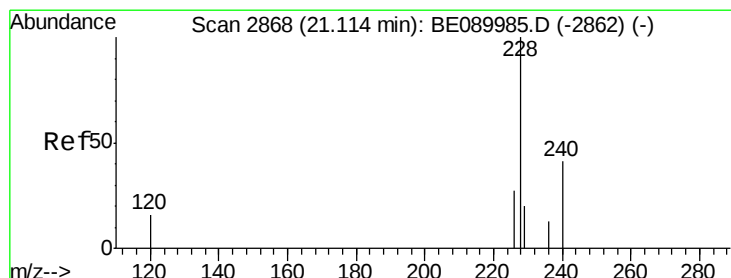
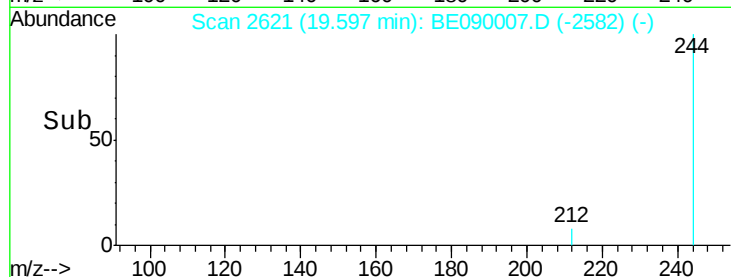
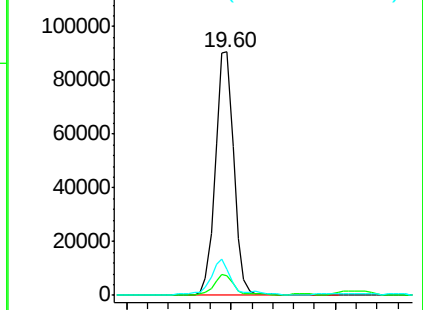
#27
 Terphenyl-d14
 Concen: 5.33 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. 0.01 min
 Lab File: BE090007.D
 Acq: 30 Jun 2015 7:43

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625MS

Tgt Ion:244 Resp: 112789
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 10.8 9.8 14.8

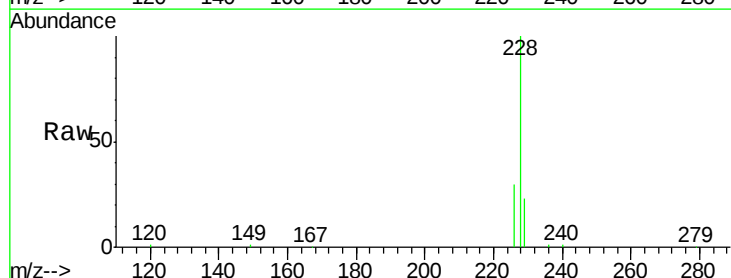


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

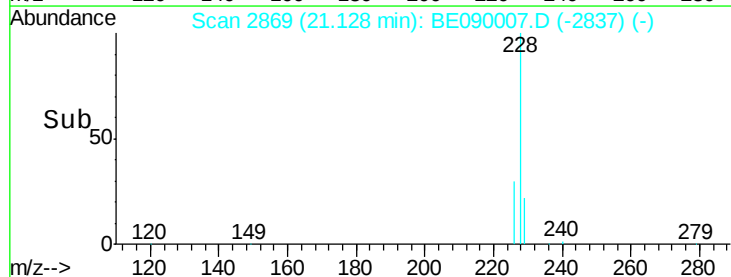
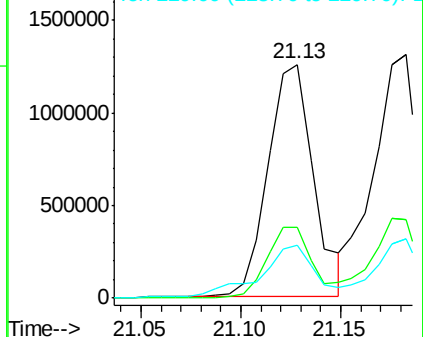


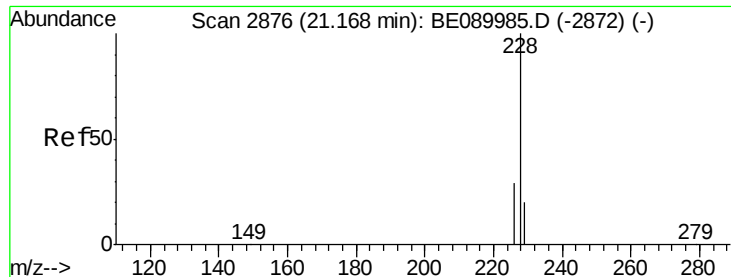
#28
 Benzo(a)anthracene
 Concen: 62.68 ng
 RT: 21.13 min Scan# 2869
 Delta R.T. 0.01 min
 Lab File: BE090007.D
 Acq: 30 Jun 2015 7:43

Tgt Ion:228 Resp: 1988015
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.8 32.6
 229 22.6 15.8 23.6



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





#29

Chrysene

Concen: 60.40 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.04 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

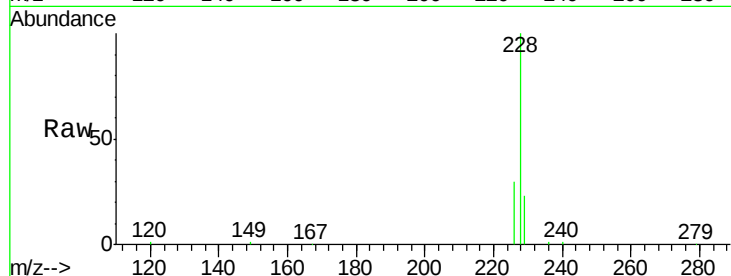
Tgt Ion:228 Resp: 1988992

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

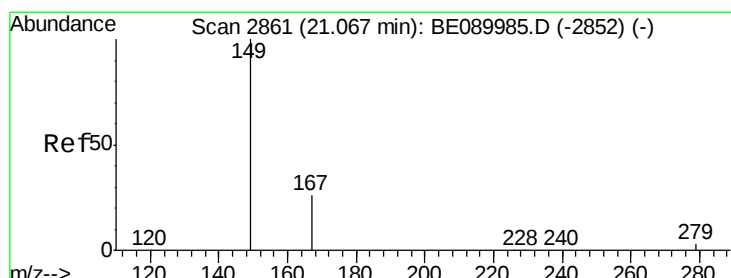
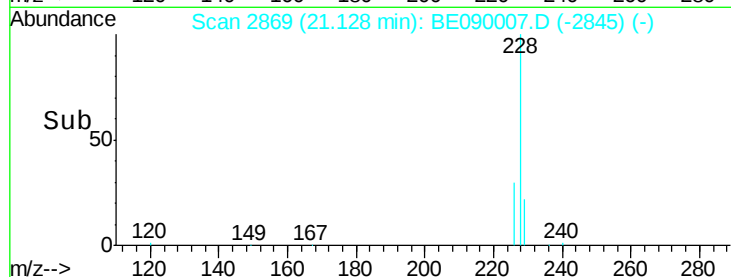
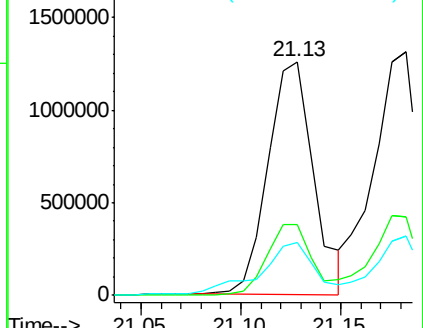
229 22.6 16.2 24.2



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: 8.30 ng

RT: 21.07 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

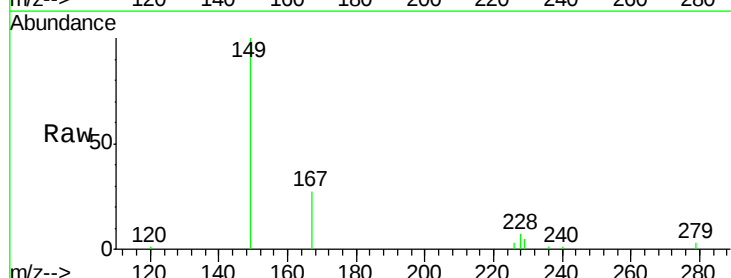
Tgt Ion:149 Resp: 124223

Ion Ratio Lower Upper

149 100

167 24.9 20.3 30.5

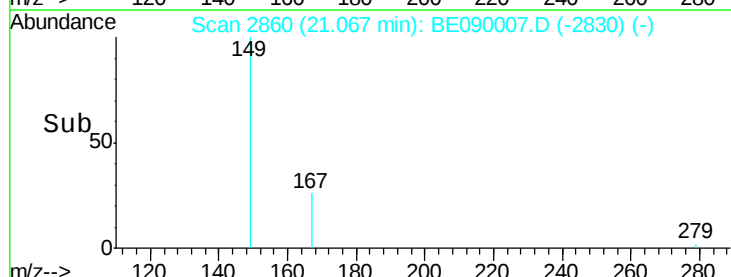
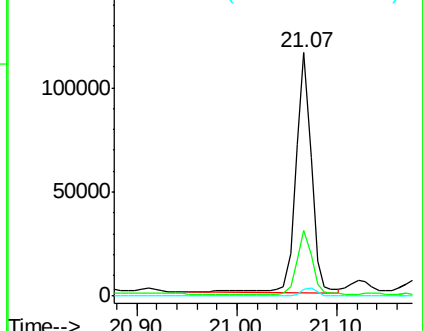
279 3.3 2.6 3.8

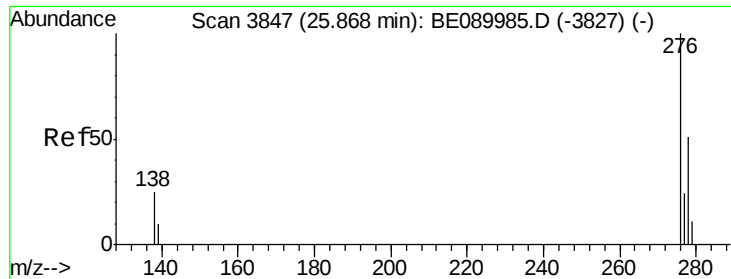


Abundance Ion 149.00 (148.70 to 149.70): E

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: 48.25 ng

RT: 25.91 min Scan# 3855

Delta R.T. 0.04 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

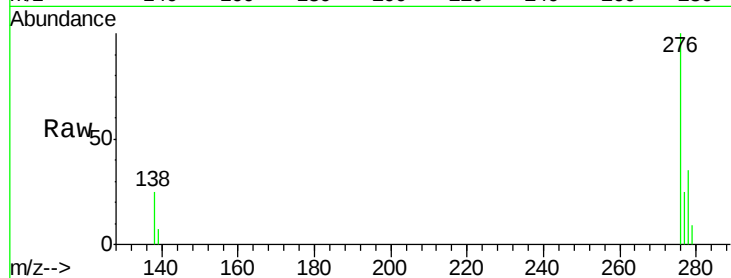
Tgt Ion:276 Resp: 1523416

Ion Ratio Lower Upper

276 100

138 24.1 21.3 31.9

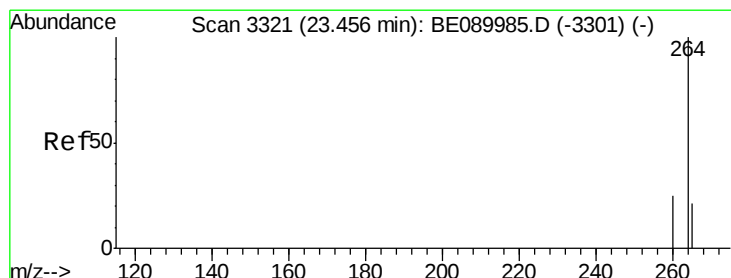
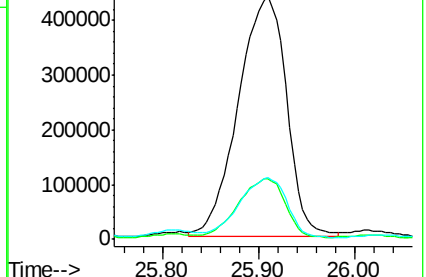
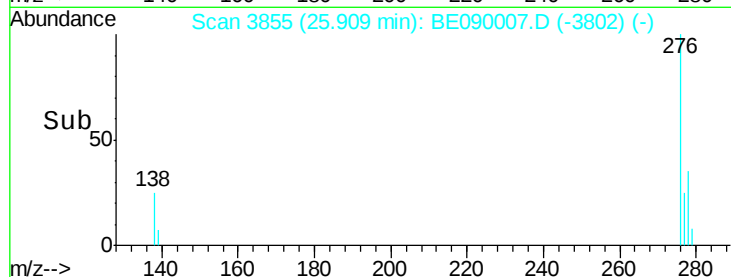
277 24.3 19.7 29.5



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: 23.47 min Scan# 3323

Delta R.T. 0.01 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

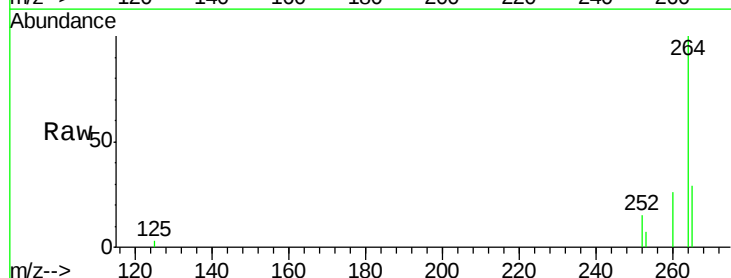
Tgt Ion:264 Resp: 134059

Ion Ratio Lower Upper

264 100

260 25.9 20.2 30.2

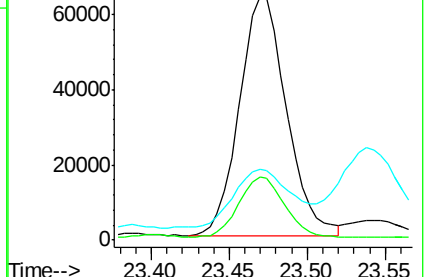
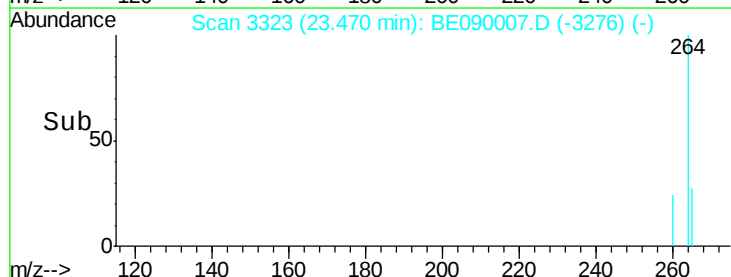
265 29.1 17.1 25.7#



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: 93.22 ng

RT: 22.77 min Scan# 3170

Delta R.T. 0.03 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

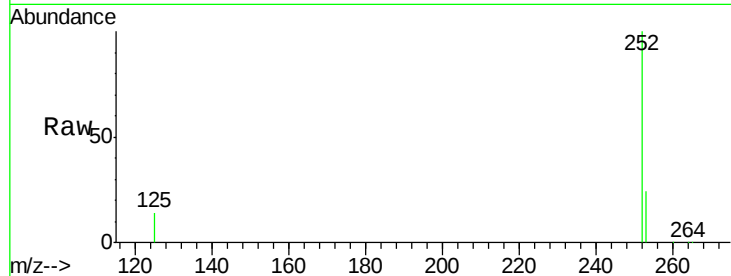
Tgt Ion:252 Resp: 2756960

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

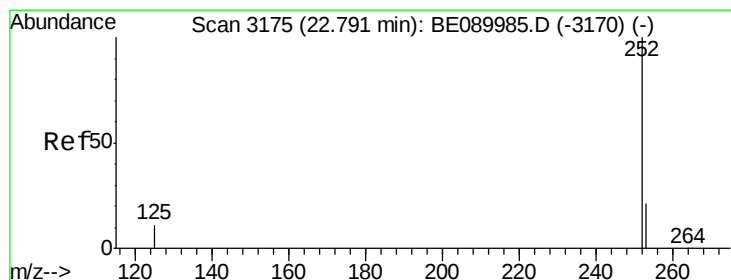
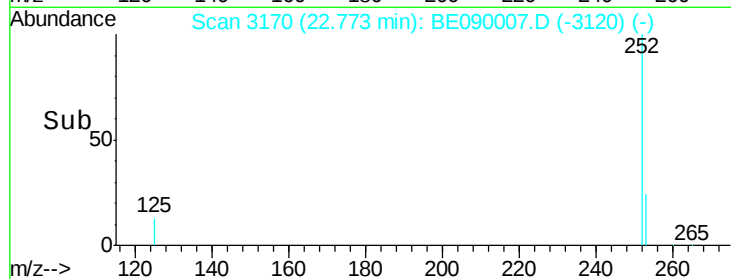
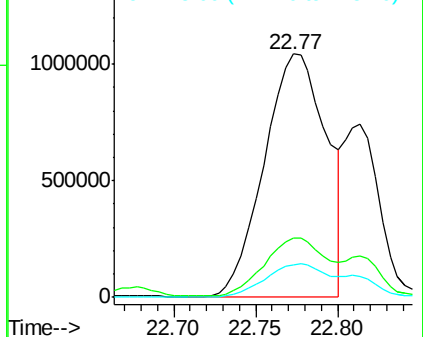
125 13.5 9.0 13.4#



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: 83.44 ng

RT: 22.77 min Scan# 3170

Delta R.T. -0.02 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

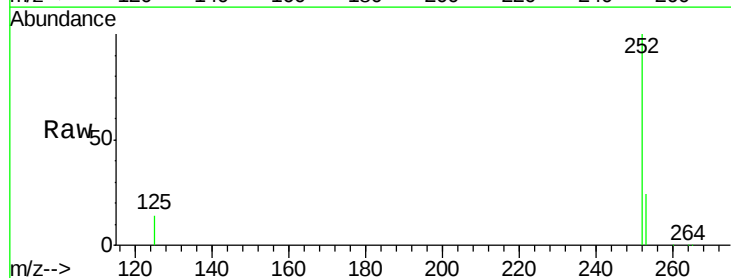
Tgt Ion:252 Resp: 2756960

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

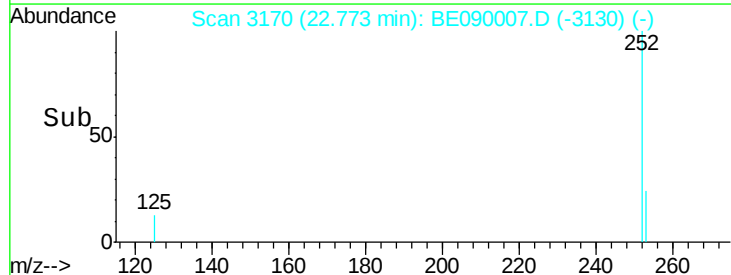
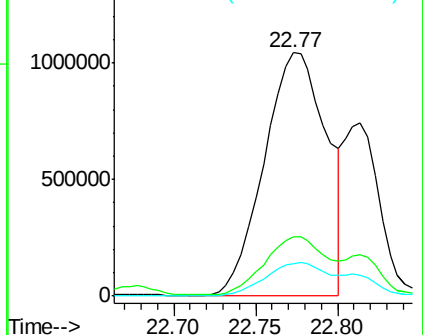
125 13.5 9.5 14.3



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: 72.78 ng

RT: 23.38 min Scan# 3303

Delta R.T. 0.03 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS

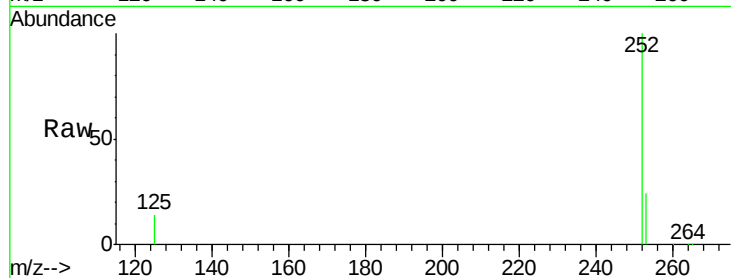
Tgt Ion:252 Resp: 1987758

Ion Ratio Lower Upper

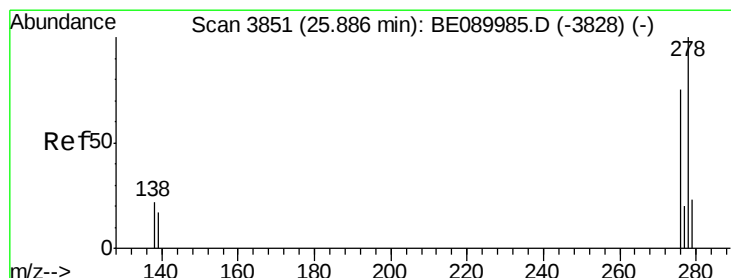
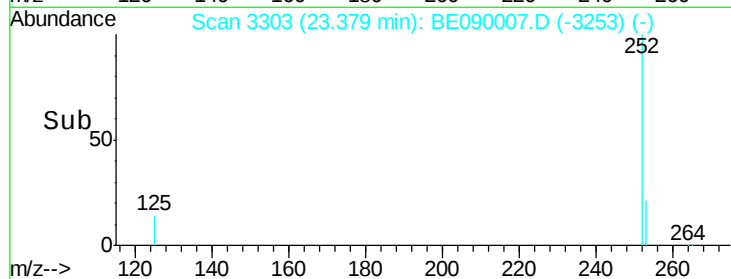
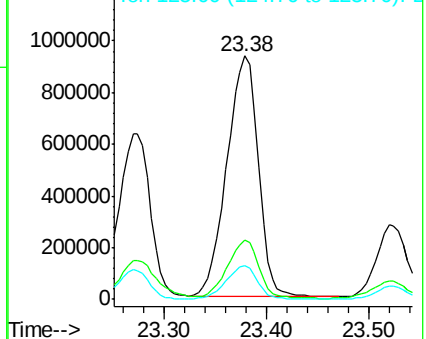
252 100

253 24.1 17.4 26.2

125 13.9 10.5 15.7



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: 17.77 ng

RT: 25.92 min Scan# 3858

Delta R.T. 0.04 min

Lab File: BE090007.D

Acq: 30 Jun 2015 7:43

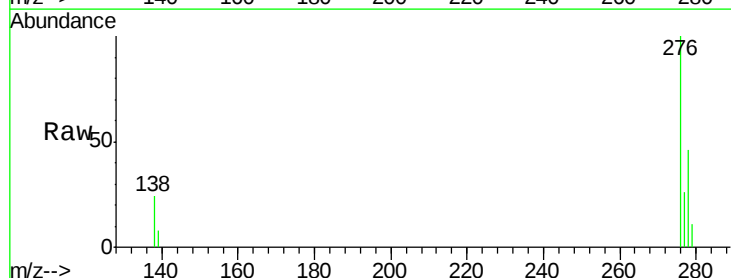
Tgt Ion:278 Resp: 498295

Ion Ratio Lower Upper

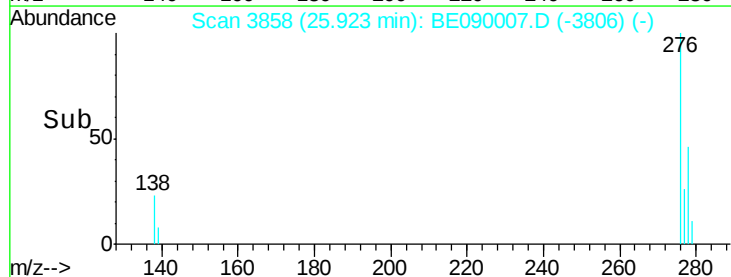
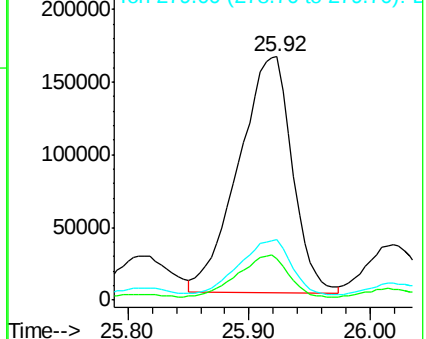
278 100

139 17.2 14.4 21.6

279 24.6 19.0 28.6



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: 52.78 ng

RT: 26.66 min Scan# 4020

Delta R.T. 0.06 min

Lab File: BE090007.D

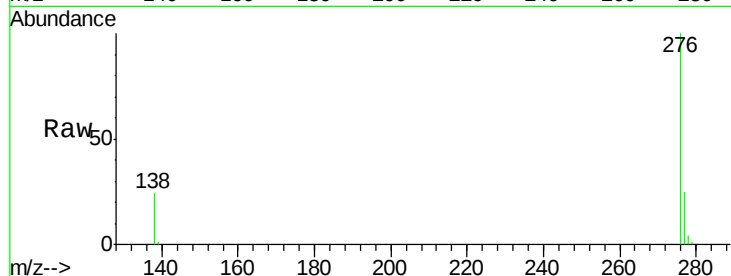
Acq: 30 Jun 2015 7:43

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625MS



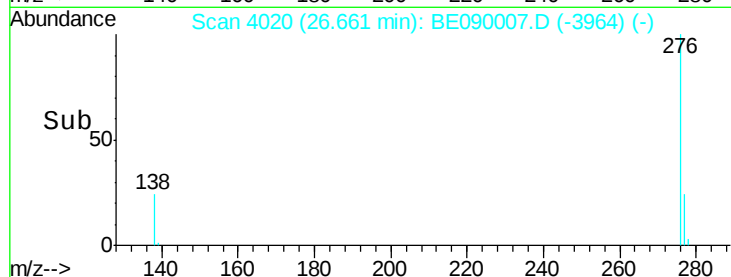
Tgt Ion: 276 Resp: 1500206

Ion Ratio Lower Upper

276 100

277 24.8 18.8 28.2

138 24.1 18.6 27.8



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

