

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093015\
 Data File : BE090983.D
 Acq On : 30 Sep 2015 17:46
 Operator : UM/IZ
 Sample : G3778-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 S39-9002MS

Quant Time: Oct 01 01:24:44 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 16:01:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	28406	5.00	ng	0.00
7) Naphthalene-d8	10.23	136	133076	5.00	ng	-0.02
13) Acenaphthene-d10	14.11	164	77273	5.00	ng	0.00
19) Phenanthrene-d10	16.86	188	181362	5.00	ng	0.00
26) Chrysene-d12	21.02	240	242190	5.00	ng	0.00
35) Perylene-d12	23.27	264	228921	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	14073	2.49	ng	0.00
5) Phenol-d6	6.68	99	58573	8.05	ng	-0.04
8) Nitrobenzene-d5	8.63	82	36675	4.21	ng	-0.03
14) 2,4,6-Tribromophenol	15.62	330	6016	2.37	ng	-0.02
15) 2-Fluorobiphenyl	12.73	172	84930	4.06	ng	-0.02
29) Terphenyl-d14	19.48	244	144173	4.83	ng	-0.02

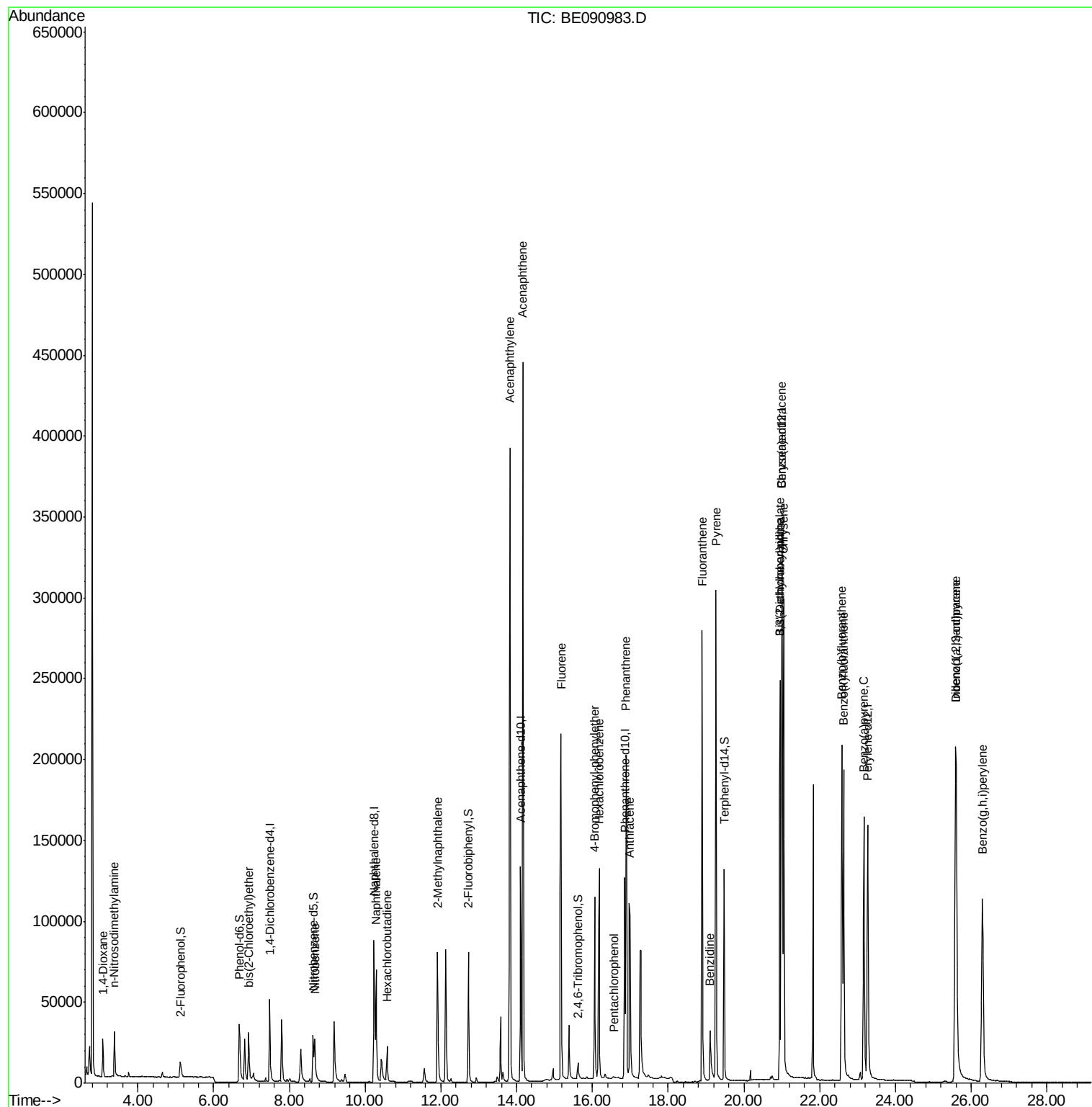
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	13697	3.68	ng	99
3) n-Nitrosodimethylamine	3.37	42	16872	3.80	ng	87
6) bis(2-Chloroethyl)ether	6.92	93	29990	3.88	ng	# 77
9) Nitrobenzene	8.67	77	38093	3.87	ng	99
10) Naphthalene	10.29	128	108781	4.25	ng	99
11) Hexachlorobutadiene	10.58	225	16431	4.04	ng	98
12) 2-Methylnaphthalene	11.91	142	72460	4.29	ng	99
16) Acenaphthylene	13.82	152	521566	4.04	ng	100
17) Acenaphthene	14.17	154	82825	4.02	ng	96
18) Fluorene	15.17	166	109581	4.30	ng	98
20) 4-Bromophenyl-phenylether	16.06	248	29340	4.28	ng	95
21) Hexachlorobenzene	16.18	284	137646	4.49	ng	100
22) Pentachlorophenol	16.56	266	1112	0.58	ng	99
23) Phenanthrene	16.89	178	218365	5.30	ng	99
24) Anthracene	16.98	178	184898	4.69	ng	98
25) Fluoranthene	18.90	202	267931	5.70	ng	99
27) Benzidine	19.11	184	79369	7.93	ng	# 79
28) Pyrene	19.26	202	280796	5.05	ng	99
30) Benzo(a)anthracene	21.00	228	265597	4.93	ng	98
31) 3,3'-Dichlorobenzidine	20.95	252	66555	5.85	ng	# 98
32) Chrysene	21.05	228	259541	4.59	ng	99
33) Bis(2-ethylhexyl)phthalate	20.95	149	159441	6.17	ng	97
34) Indeno(1,2,3-cd)pyrene	25.59	276	302175	4.98	ng	99
36) Benzo(b)fluoranthene	22.58	252	261559	5.18	ng	100
37) Benzo(k)fluoranthene	22.63	252	266679	4.37	ng	99
38) Benzo(a)pyrene	23.17	252	252424	5.39	ng	99
39) Dibenzo(a,h)anthracene	25.61	278	245201	5.31	ng	98
40) Benzo(g,h,i)perylene	26.30	276	254887	5.08	ng	100

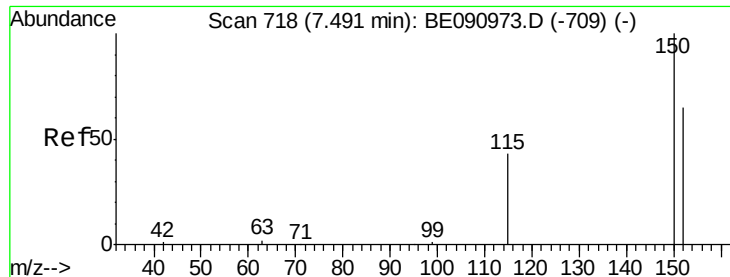
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.48 min Scan# 717

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

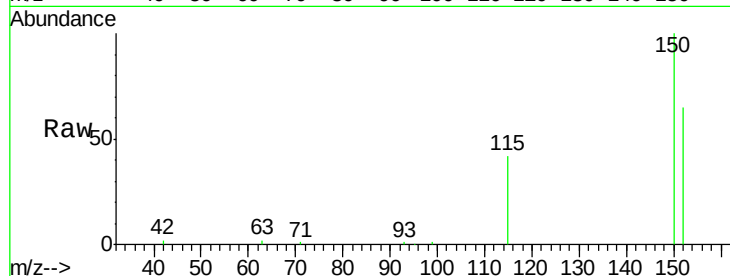
Tgt Ion:152 Resp: 28406

Ion Ratio Lower Upper

152 100

150 154.0 122.6 183.8

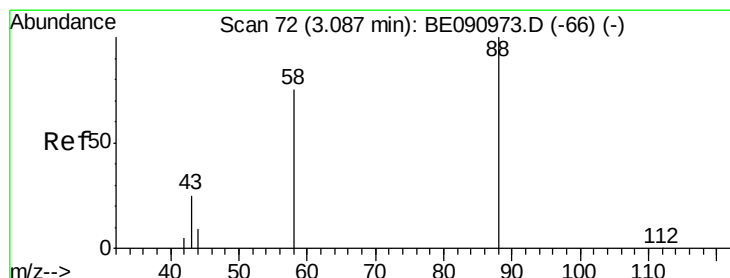
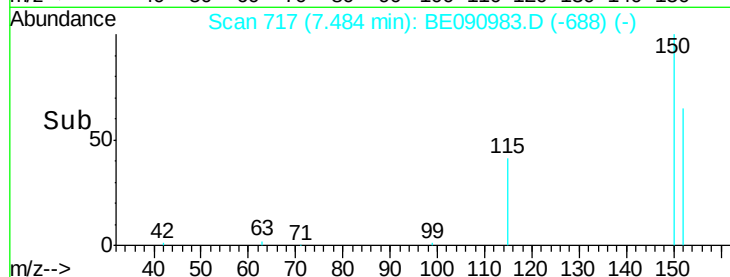
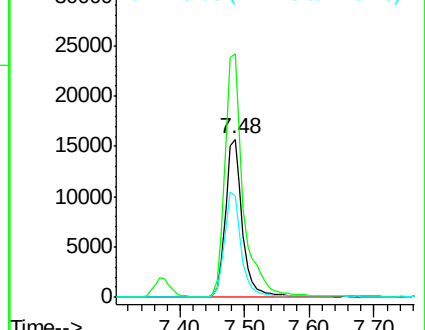
115 64.2 52.8 79.2



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: 3.68 ng

RT: 3.08 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

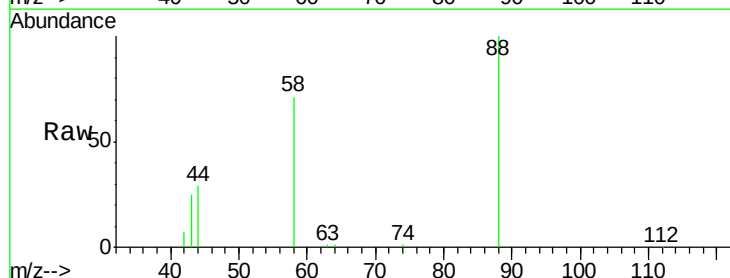
Tgt Ion: 88 Resp: 13697

Ion Ratio Lower Upper

88 100

58 83.9 65.8 98.6

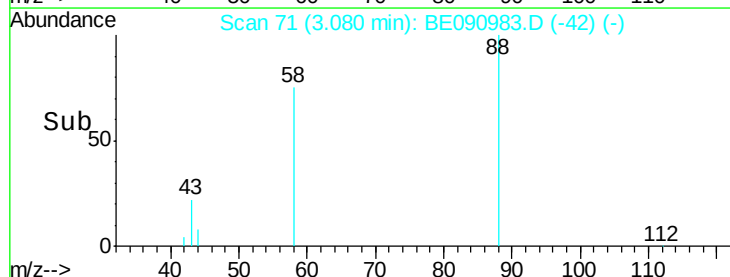
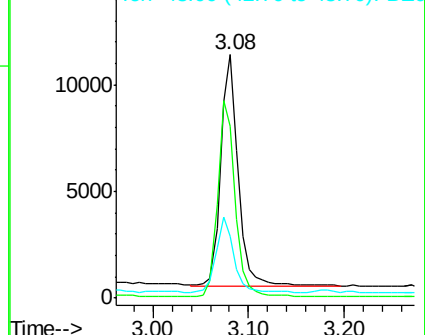
43 31.8 25.3 37.9

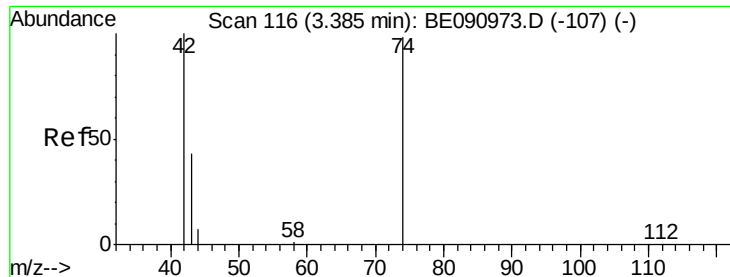


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.80 ng

RT: 3.37 min Scan# 114

Delta R.T. -0.01 min

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Instrument :

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S39-9002MS

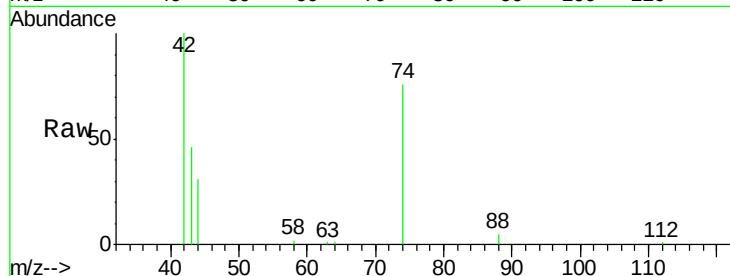
Tgt Ion: 42 Resp: 16872

Ion Ratio Lower Upper

42 100

74 124.2 87.9 131.9

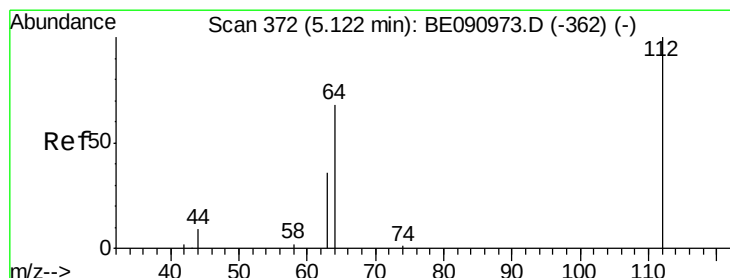
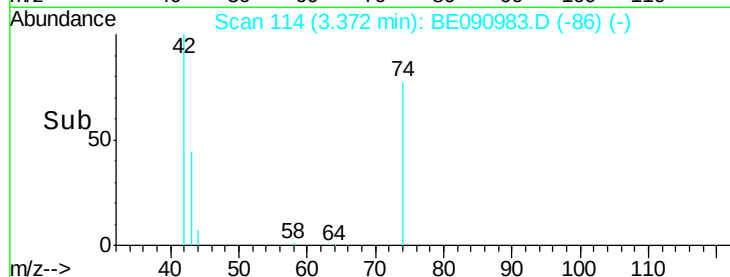
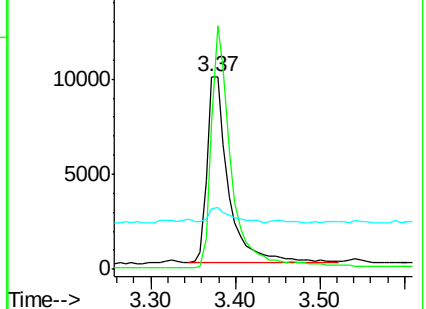
44 8.6 6.6 9.8



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: 2.49 ng

RT: 5.11 min Scan# 371

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

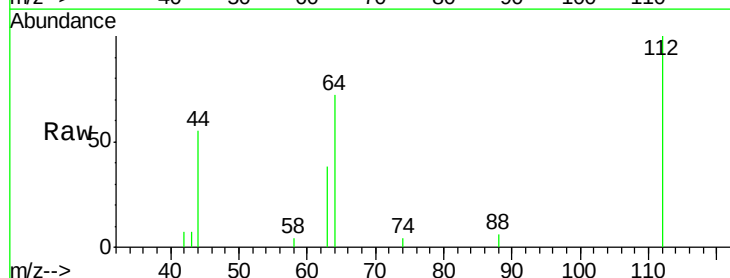
Tgt Ion: 112 Resp: 14073

Ion Ratio Lower Upper

112 100

64 70.7 30.9 46.3#

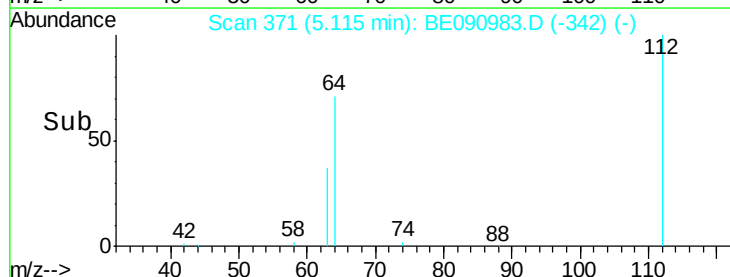
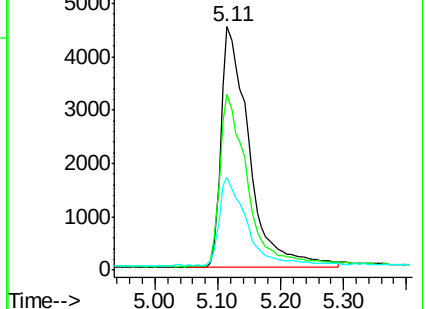
63 36.4 16.7 25.1#

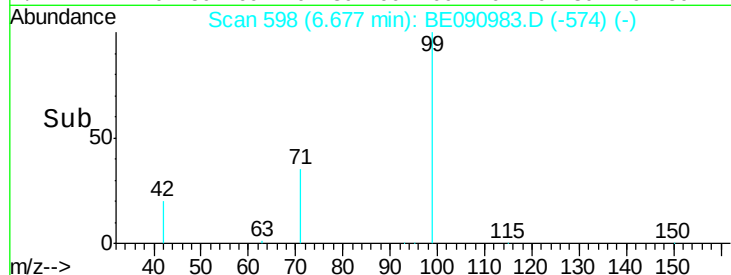
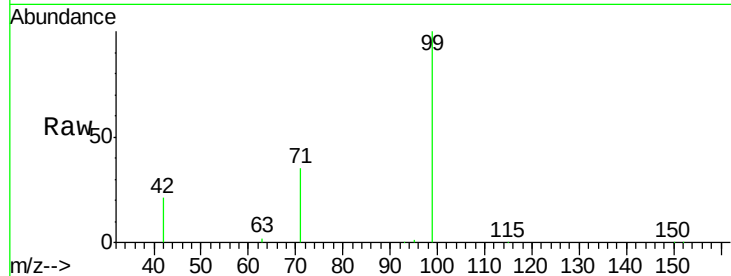
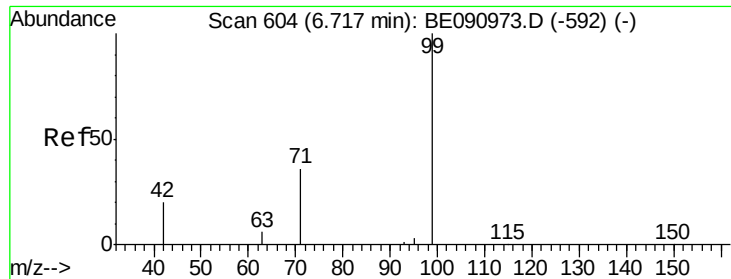


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.05 ng

RT: 6.68 min Scan# 598

Delta R.T. -0.04 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

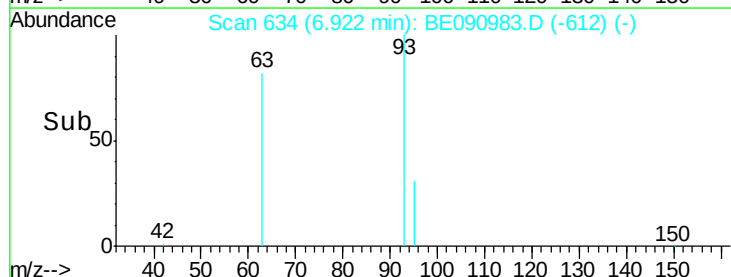
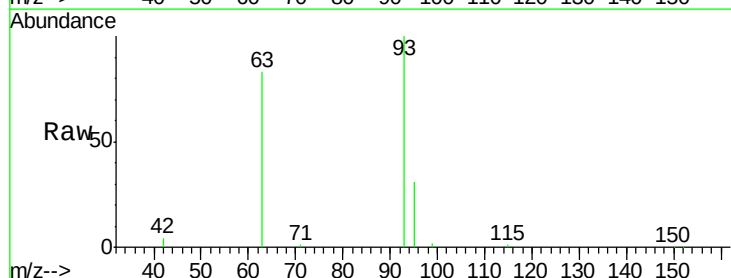
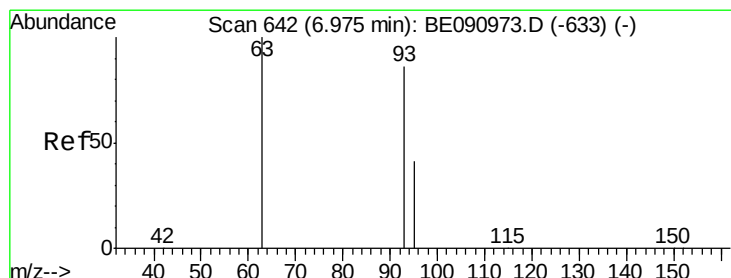
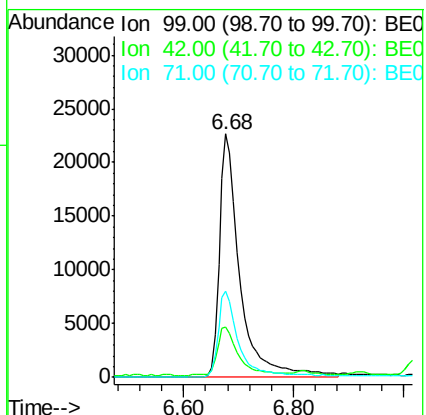
Tgt Ion: 99 Resp: 58573

Ion Ratio Lower Upper

99 100

42 20.5 16.2 24.2

71 35.6 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 3.88 ng

RT: 6.92 min Scan# 634

Delta R.T. -0.05 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

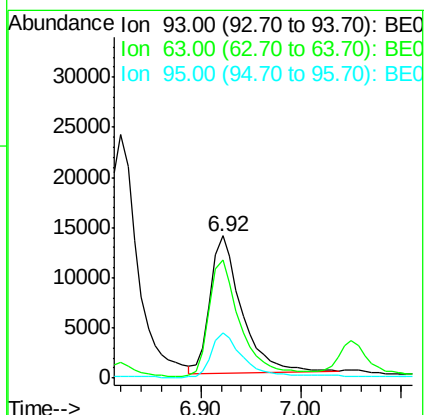
Tgt Ion: 93 Resp: 29990

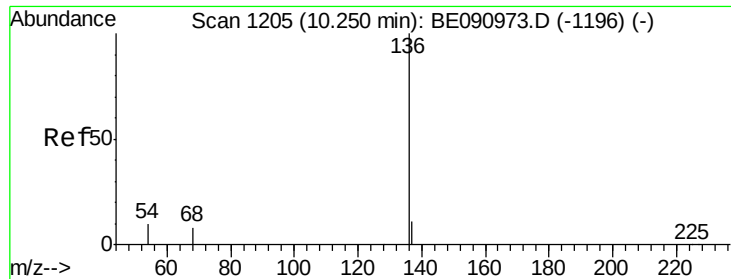
Ion Ratio Lower Upper

93 100

63 84.4 49.5 74.3#

95 32.2 22.2 33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.23 min Scan# 1202

Delta R.T. -0.02 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

Tgt Ion: 136 Resp: 133076

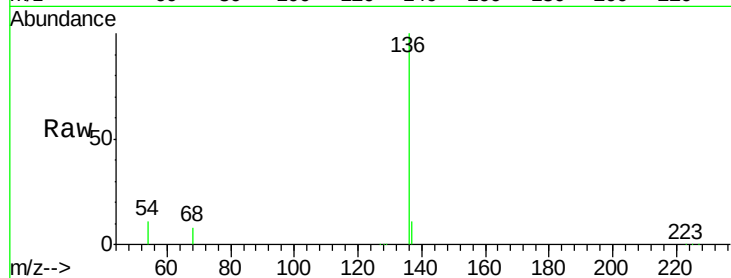
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 11.5 8.2 12.4

68 8.4 6.2 9.4

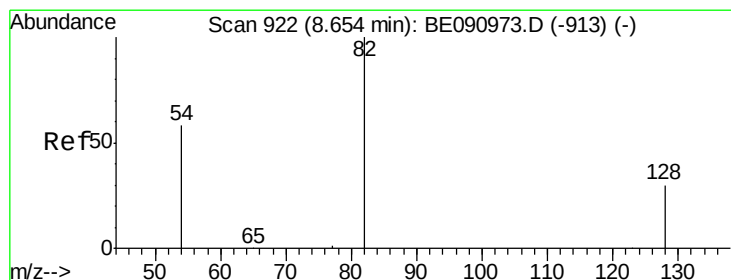
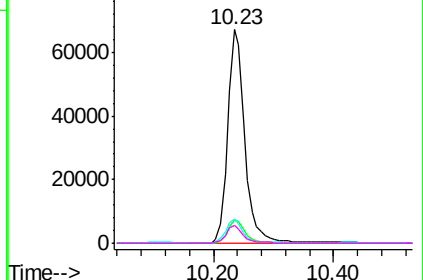
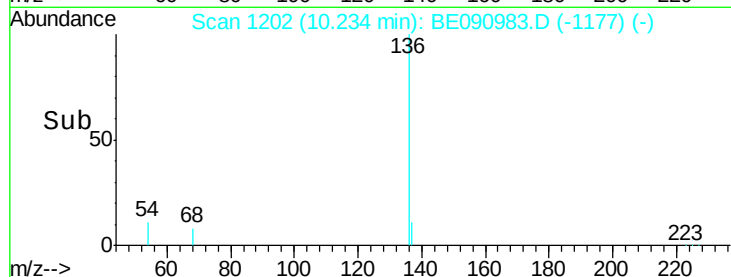


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.21 ng

RT: 8.63 min Scan# 916

Delta R.T. -0.03 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

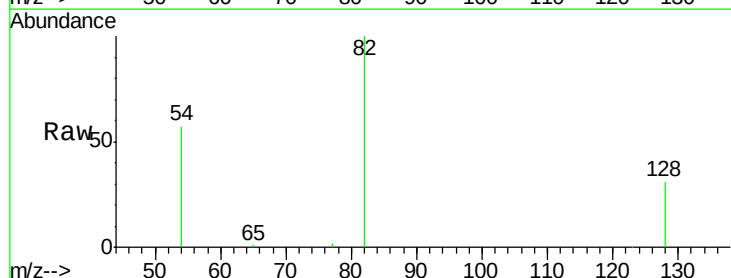
Tgt Ion: 82 Resp: 36675

Ion Ratio Lower Upper

82 100

128 31.2 25.4 38.0

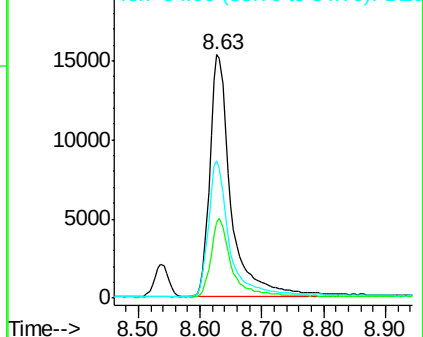
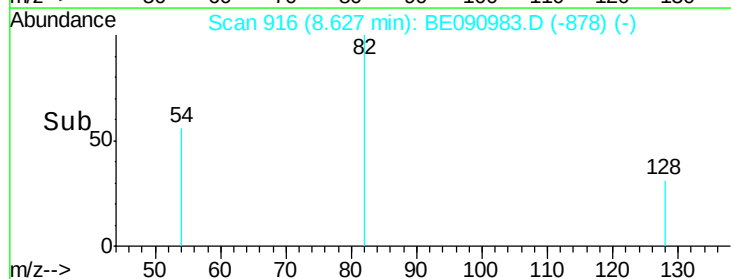
54 56.5 48.4 72.6

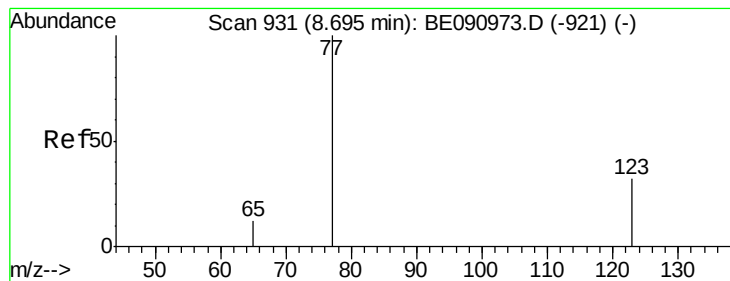


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 3.87 ng

RT: 8.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BE090983.D

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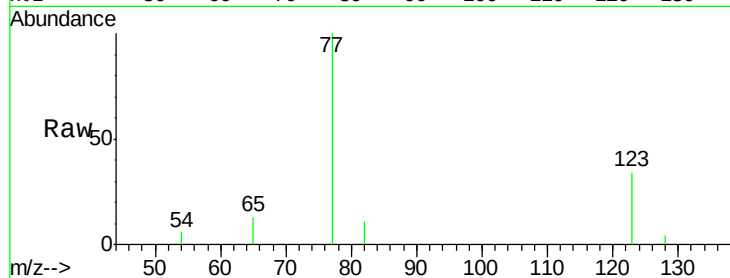
Tgt Ion: 77 Resp: 38093

Ion Ratio Lower Upper

77 100

123 34.4 26.9 40.3

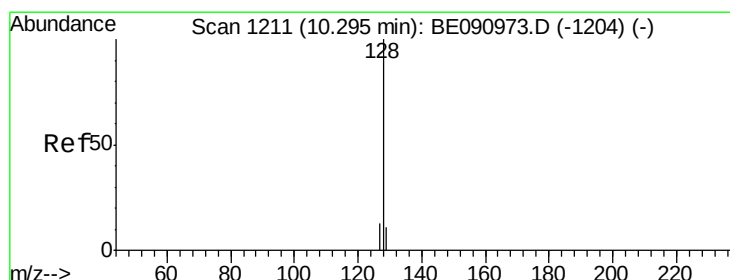
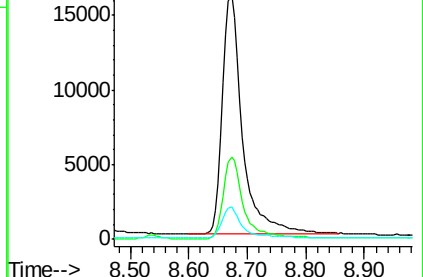
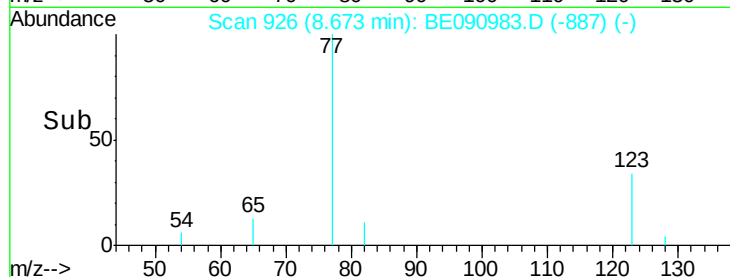
65 12.0 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE090973.D (-921) (-)

Ion 123.00 (122.70 to 123.70): BE090973.D (-921) (-)

Ion 65.00 (64.70 to 65.70): BE090973.D (-921) (-)



#10

Naphthalene

Concen: 4.25 ng

RT: 10.29 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

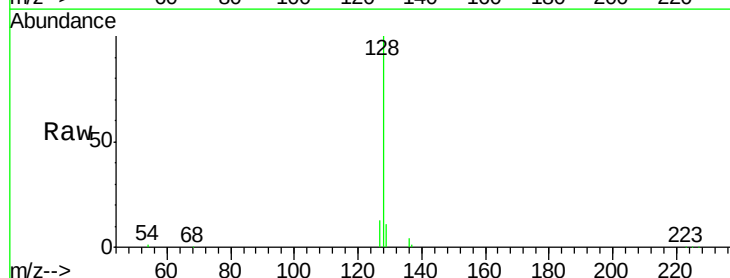
Tgt Ion: 128 Resp: 108781

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

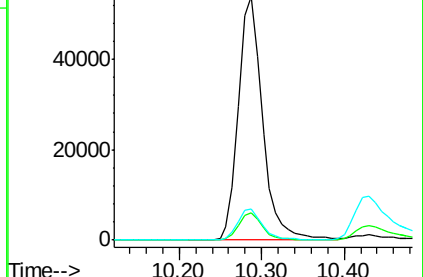
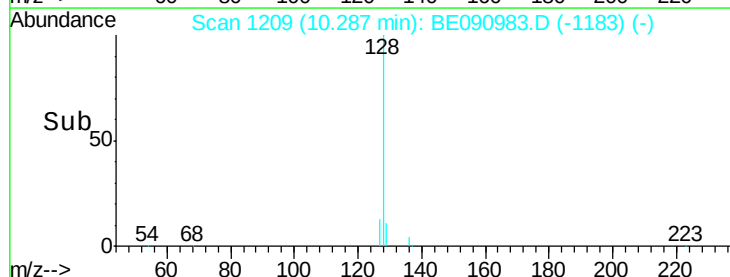
127 12.9 10.7 16.1

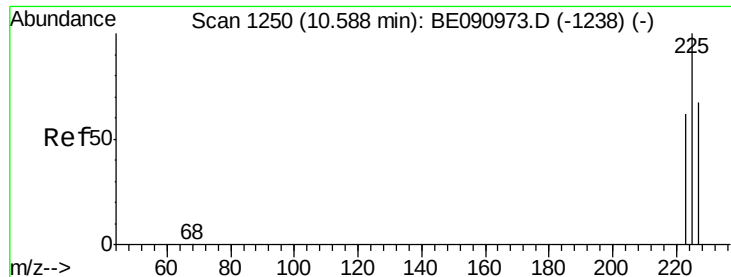


Abundance Ion 128.00 (127.70 to 128.70): BE090973.D (-1204) (-)

Ion 129.00 (128.70 to 129.70): BE090973.D (-1204) (-)

Ion 127.00 (126.70 to 127.70): BE090973.D (-1204) (-)





#11

Hexachlorobutadiene

Concen: 4.04 ng

RT: 10.58 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BE090983.D

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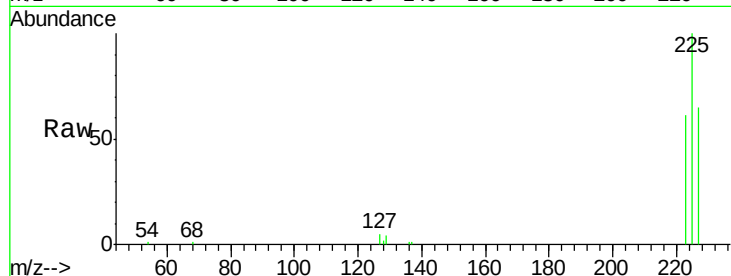
Tgt Ion: 225 Resp: 16431

Ion Ratio Lower Upper

225 100

223 62.8 49.0 73.6

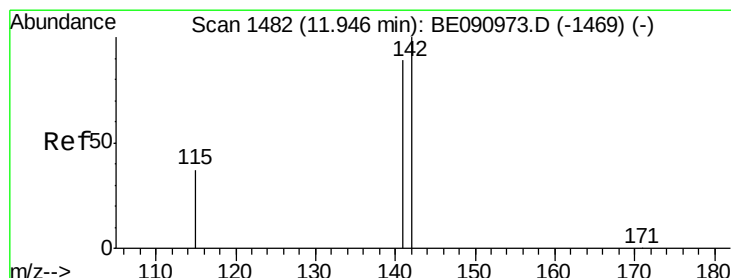
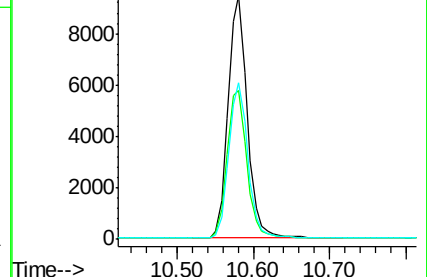
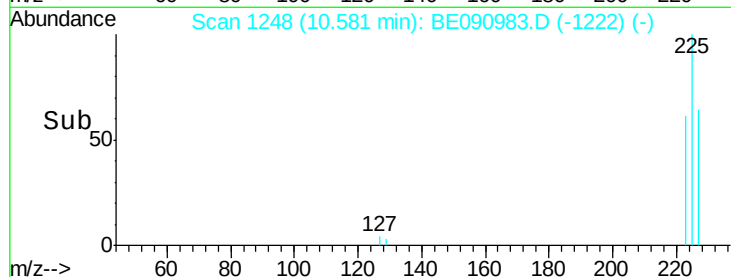
227 64.0 50.3 75.5



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



#12

2-Methylnaphthalene

Concen: 4.29 ng

RT: 11.91 min Scan# 1473

Delta R.T. -0.04 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

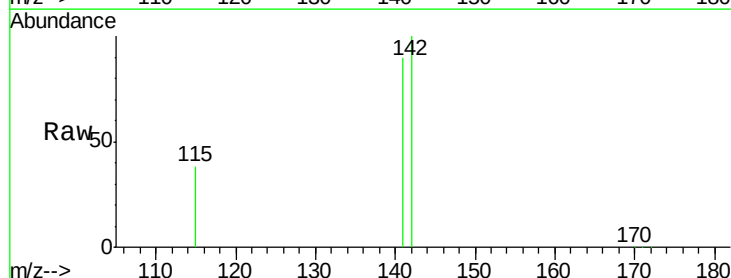
Tgt Ion: 142 Resp: 72460

Ion Ratio Lower Upper

142 100

141 90.5 71.4 107.0

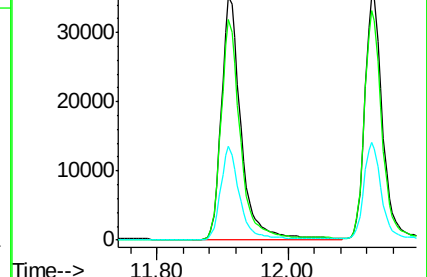
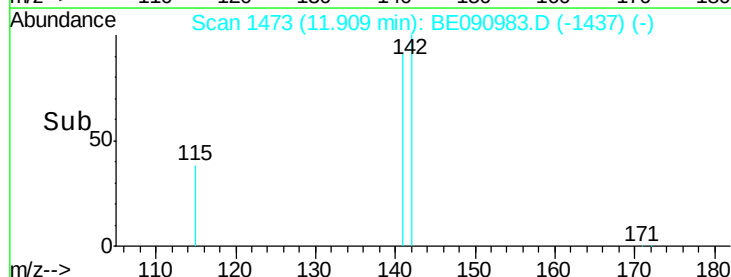
115 38.4 30.3 45.5

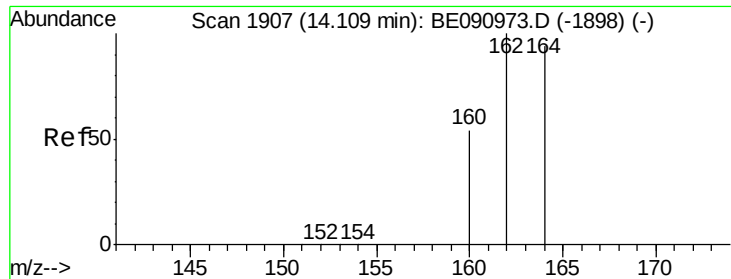


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.11 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

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S39-9002MS

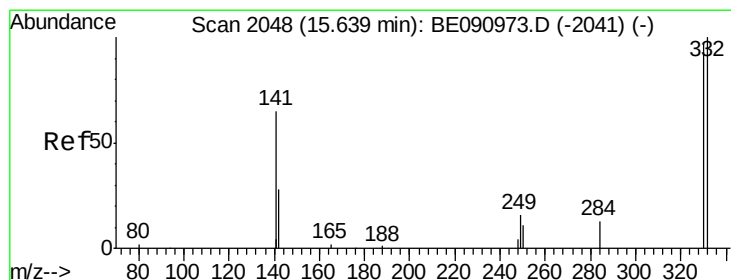
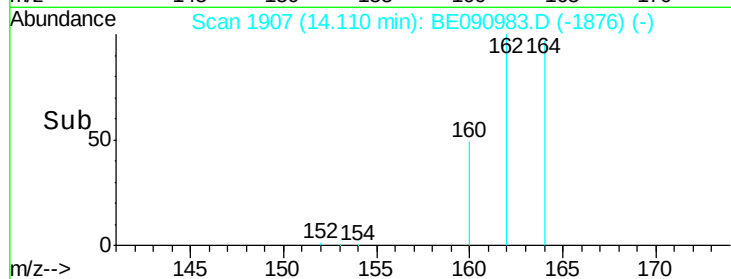
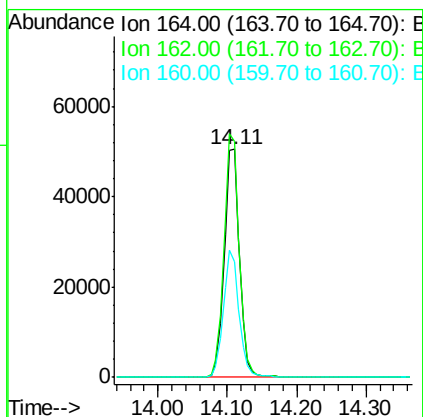
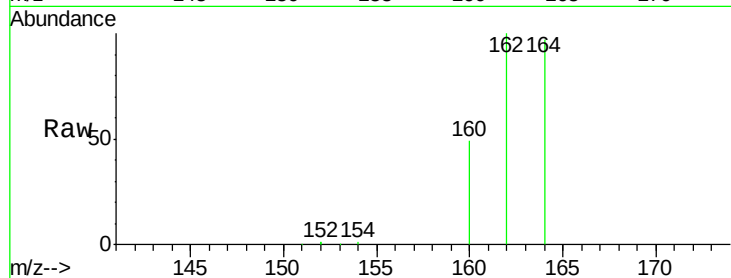
Tgt Ion:164 Resp: 77273

Ion Ratio Lower Upper

164 100

162 103.5 85.3 127.9

160 50.8 46.2 69.2



#14

2,4,6-Tribromophenol

Concen: 2.37 ng

RT: 15.62 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

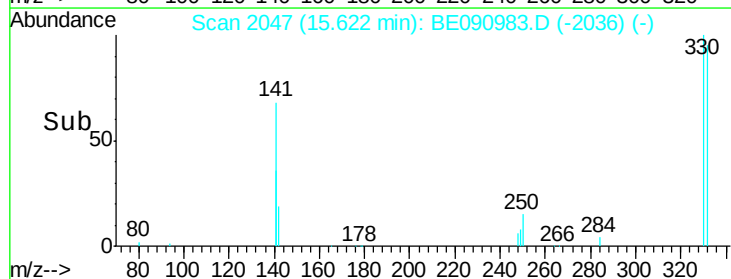
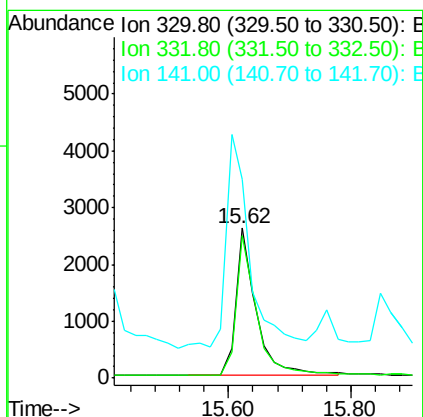
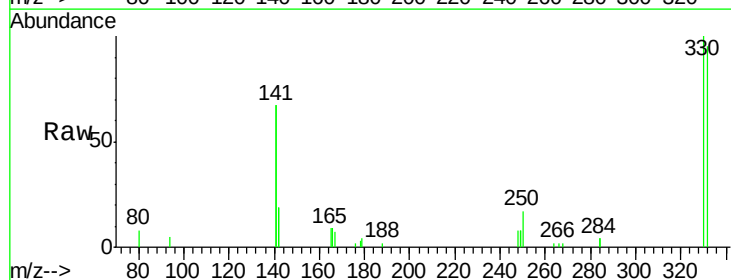
Tgt Ion:330 Resp: 6016

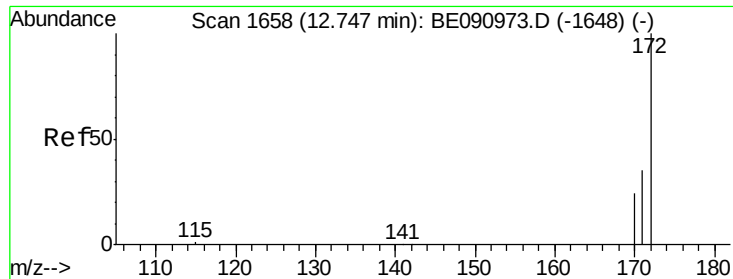
Ion Ratio Lower Upper

330 100

332 95.3 79.1 118.7

141 167.5 125.4 188.0

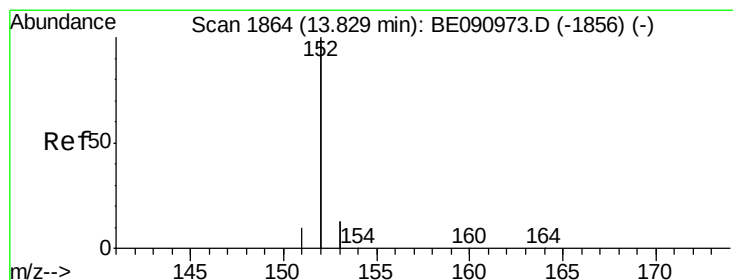
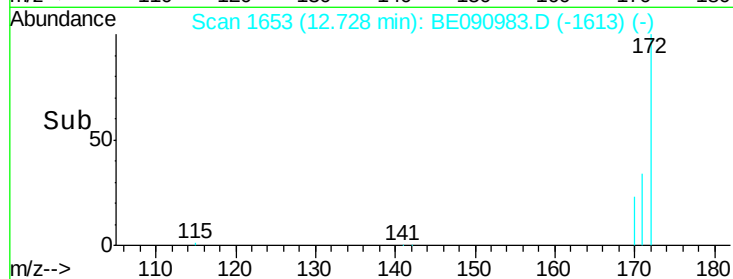
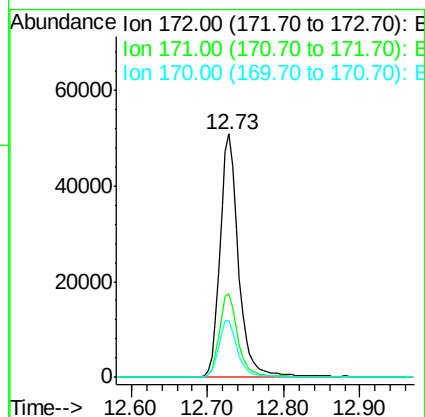
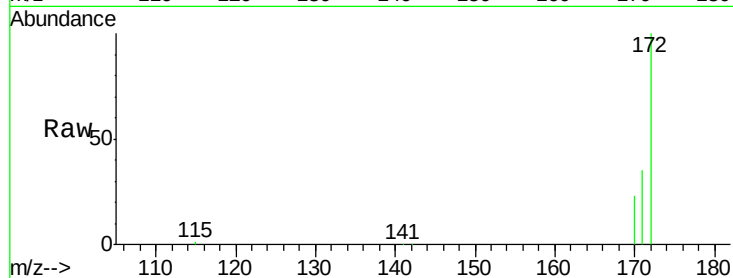




#15
2-Fluorobiphenyl
Concen: 4.06 ng
RT: 12.73 min Scan# 1653
Delta R.T. -0.02 min
Lab File: BE090983.D
Acq: 30 Sep 2015 17:46

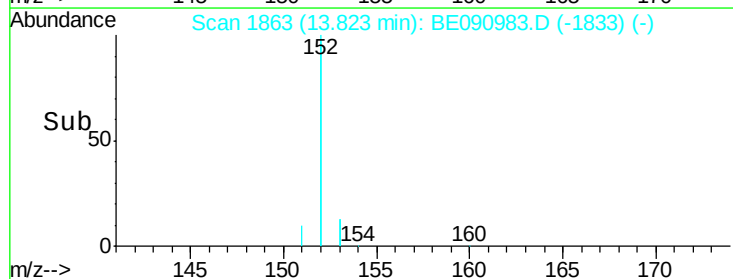
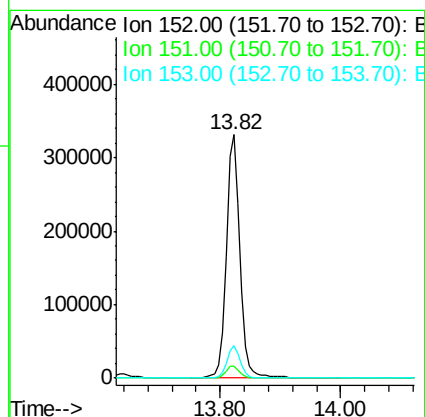
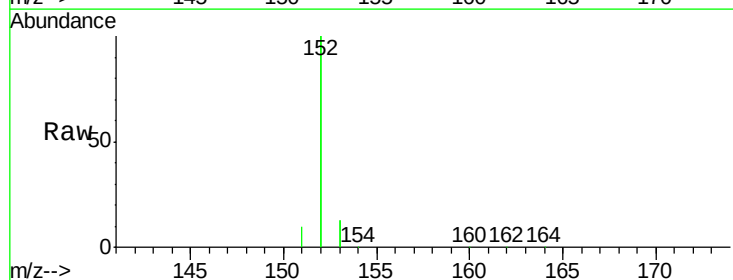
Instrument :
BNA_E
ClientSampleId :
S39-9002MS

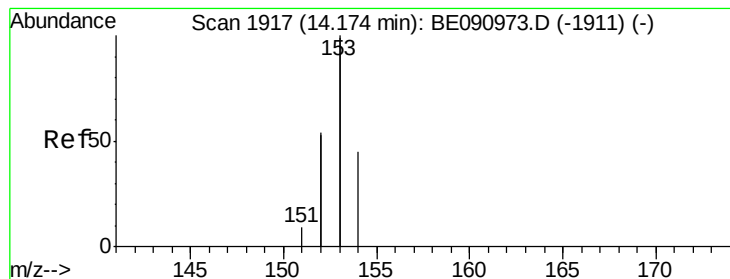
Tgt Ion:172 Resp: 84930
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 23.3 19.3 28.9



#16
Acenaphthylene
Concen: 4.04 ng
RT: 13.82 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BE090983.D
Acq: 30 Sep 2015 17:46

Tgt Ion:152 Resp: 521566
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 4.02 ng

RT: 14.17 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

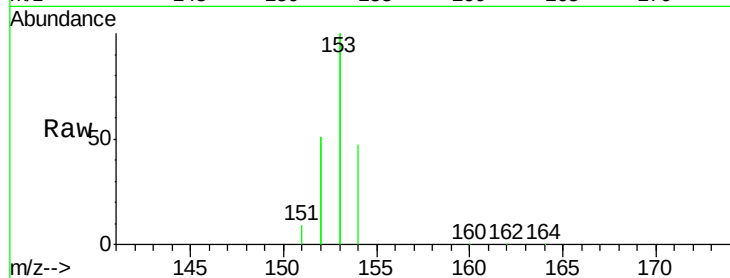
Tgt Ion:154 Resp: 82825

Ion Ratio Lower Upper

154 100

153 436.8 352.0 528.0

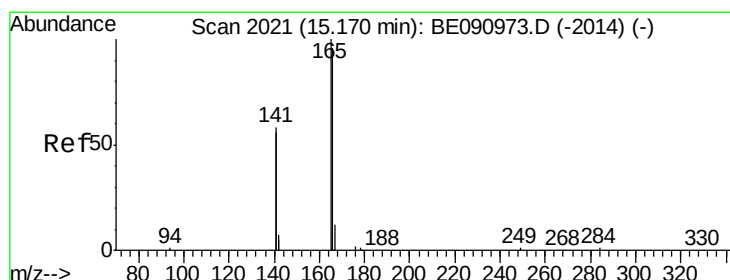
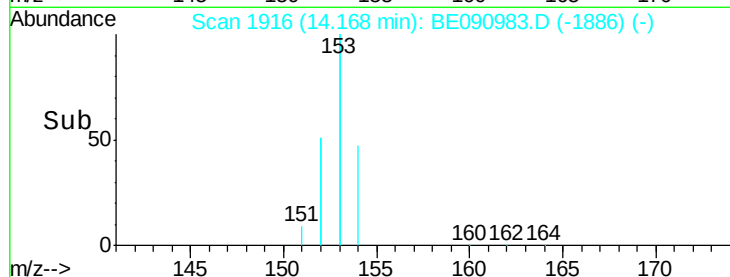
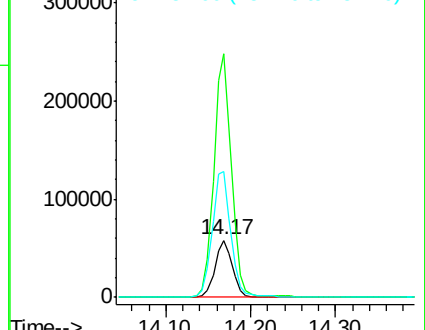
152 236.5 200.0 300.0



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



#18

Fluorene

Concen: 4.30 ng

RT: 15.17 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

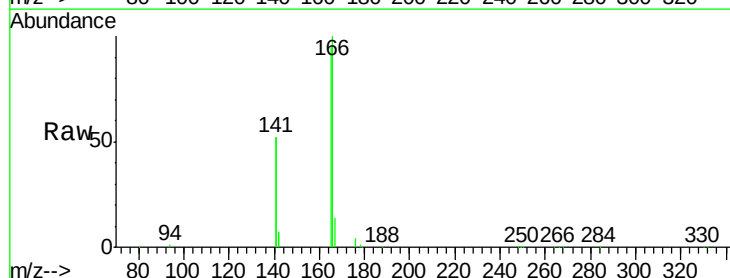
Tgt Ion:166 Resp: 109581

Ion Ratio Lower Upper

166 100

165 99.2 80.8 121.2

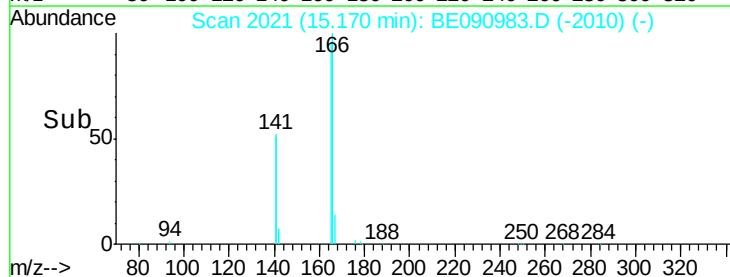
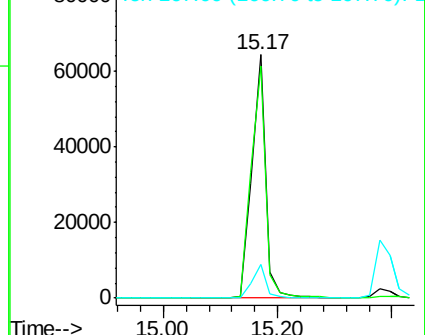
167 13.5 10.9 16.3

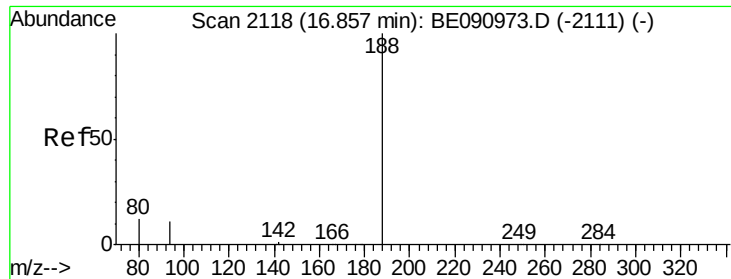


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.86 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

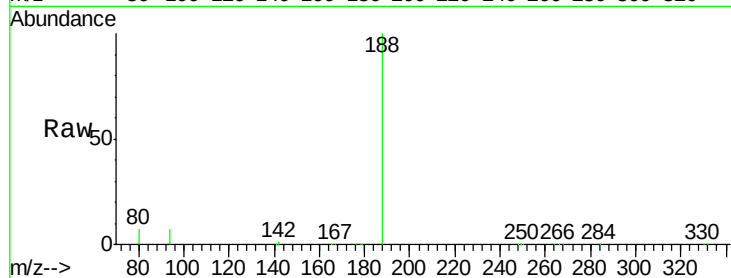
Tgt Ion:188 Resp: 181362

Ion Ratio Lower Upper

188 100

94 7.0 8.7 13.1#

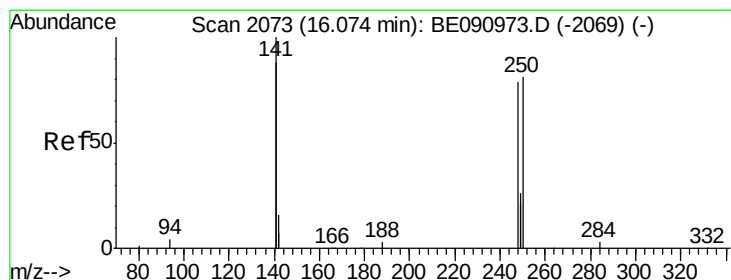
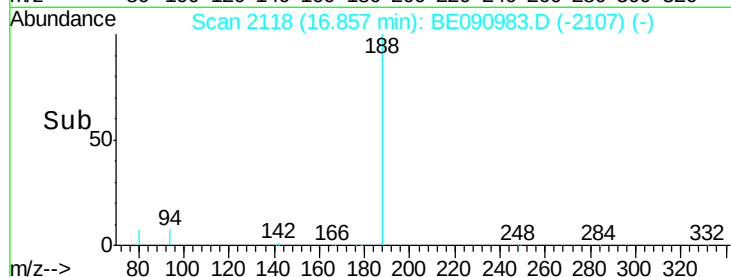
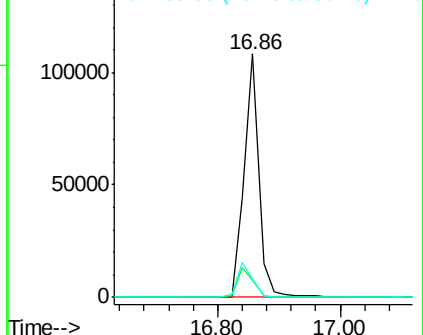
80 7.3 9.4 14.0#



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



#20

4-Bromophenyl-phenylether

Concen: 4.28 ng

RT: 16.06 min Scan# 2072

Delta R.T. -0.02 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

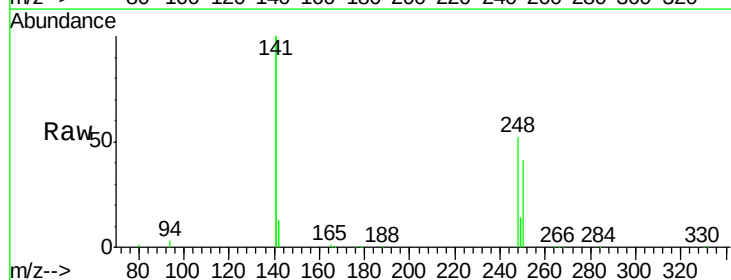
Tgt Ion:248 Resp: 29340

Ion Ratio Lower Upper

248 100

250 94.8 80.5 120.7

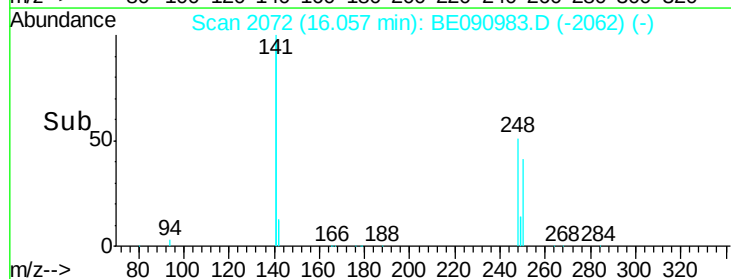
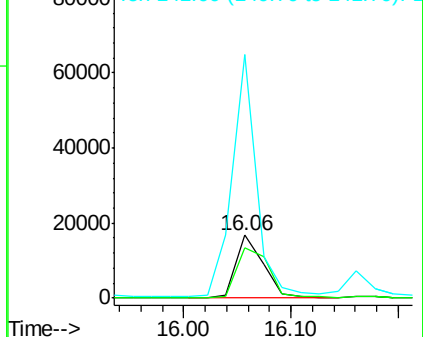
141 338.2 261.9 392.9

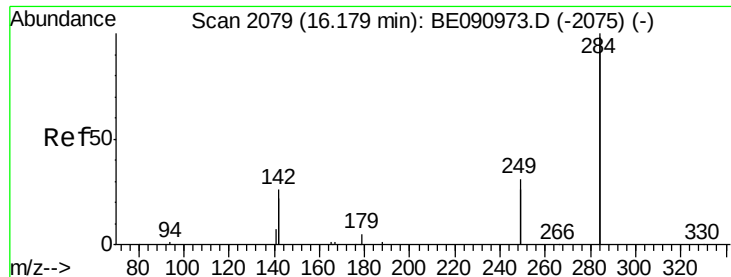


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 4.49 ng

RT: 16.18 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

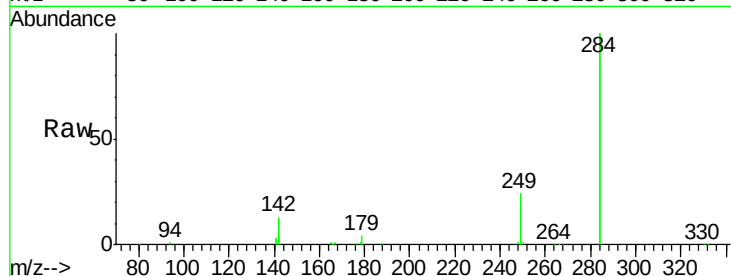
Tgt Ion:284 Resp: 137646

Ion Ratio Lower Upper

284 100

142 40.4 32.2 48.2

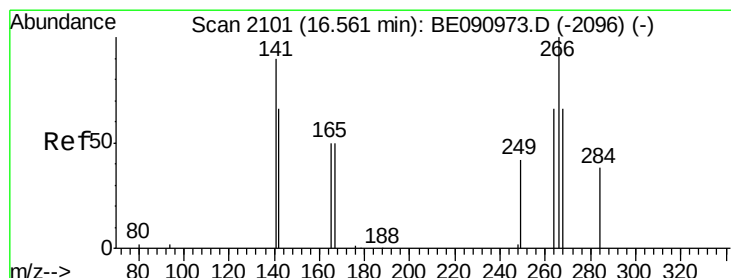
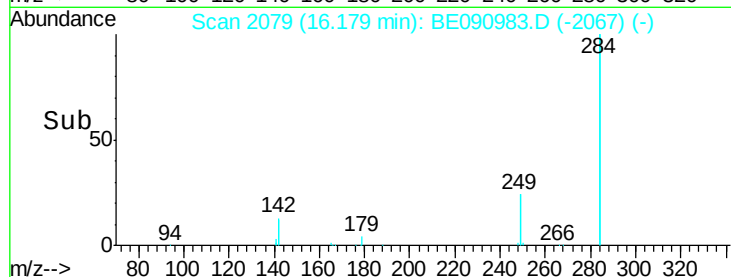
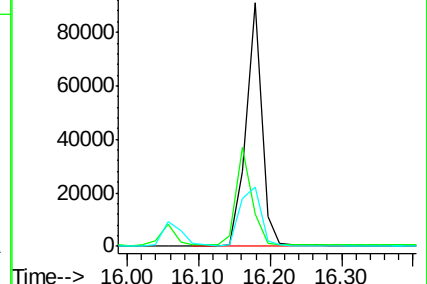
249 31.8 25.4 38.2



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



#22

Pentachlorophenol

Concen: 0.58 ng

RT: 16.56 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

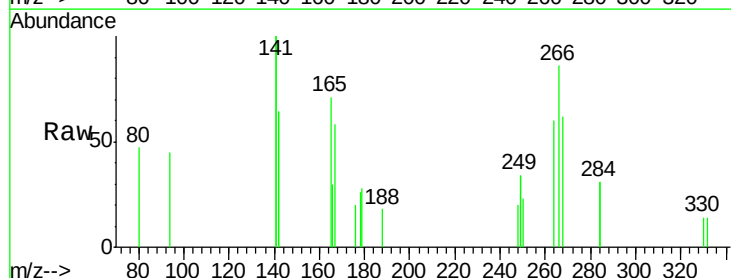
Tgt Ion:266 Resp: 1112

Ion Ratio Lower Upper

266 100

268 72.2 58.2 87.2

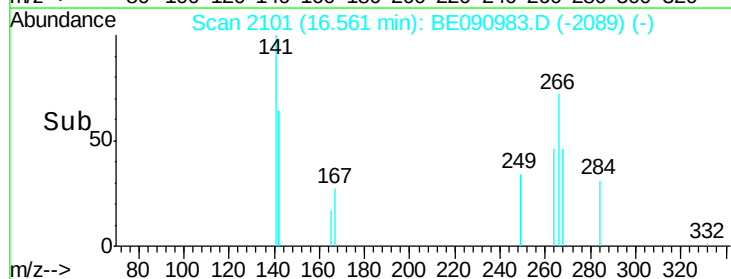
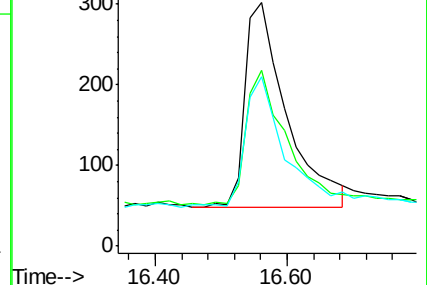
264 69.5 56.2 84.4

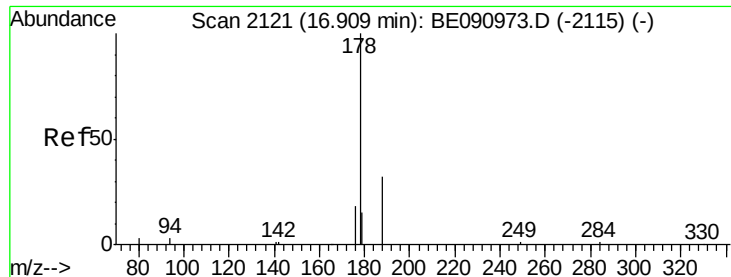


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 5.30 ng

RT: 16.89 min Scan# 2120

Delta R.T. -0.02 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

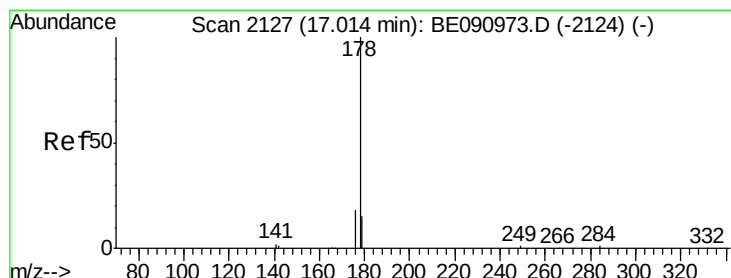
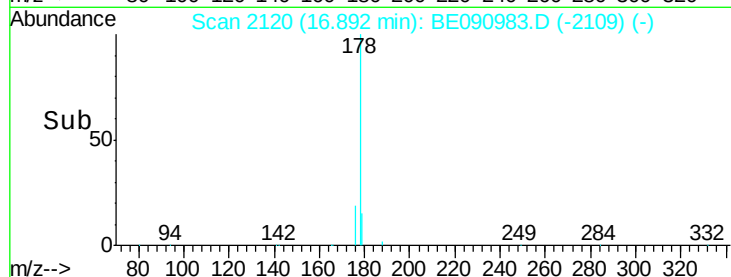
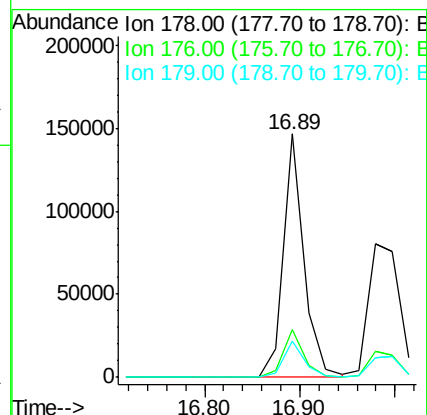
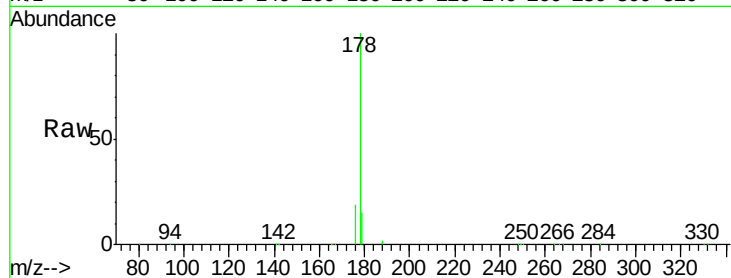
Tgt Ion:178 Resp: 218365

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.3 12.6 18.8



#24

Anthracene

Concen: 4.69 ng

RT: 16.98 min Scan# 2125

Delta R.T. -0.03 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

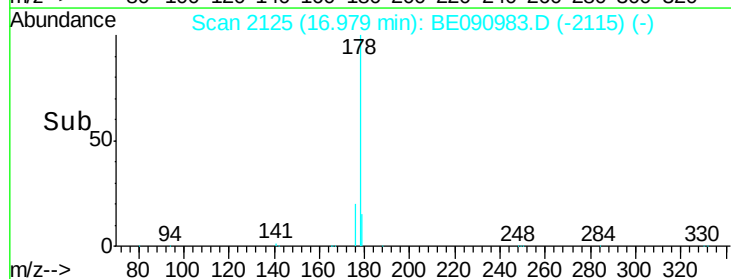
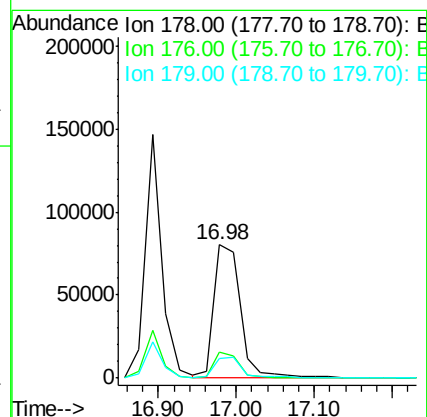
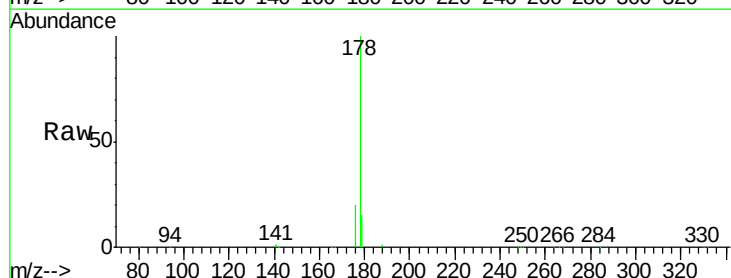
Tgt Ion:178 Resp: 184898

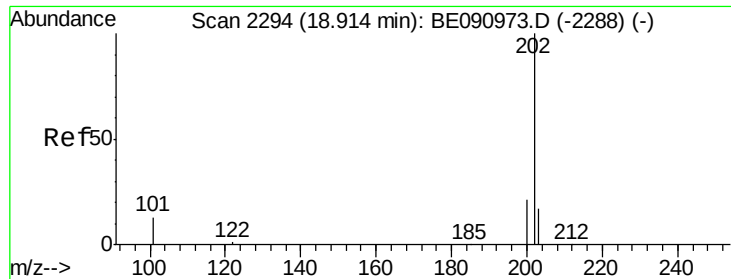
Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

179 16.0 11.8 17.6

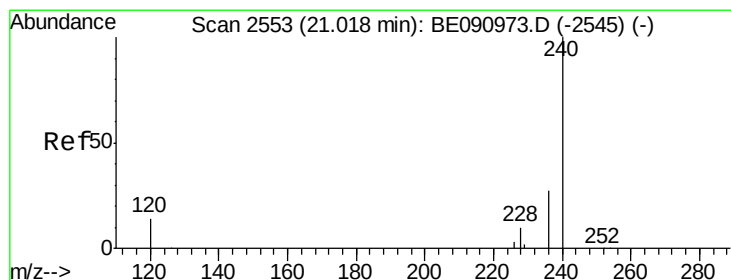
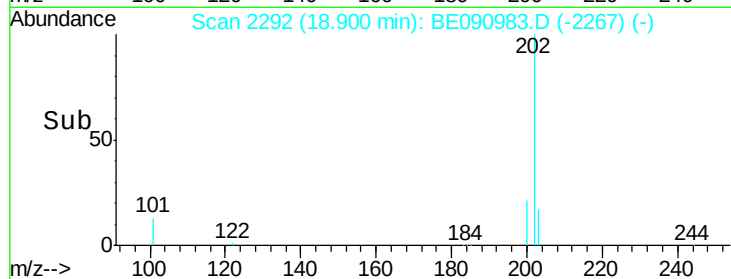
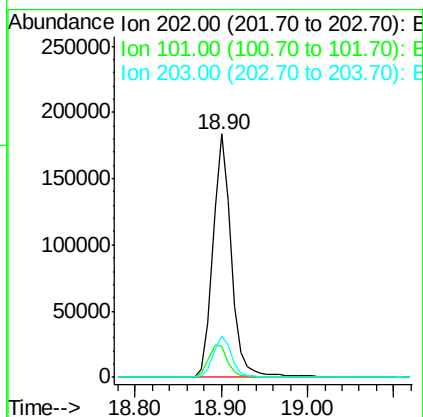
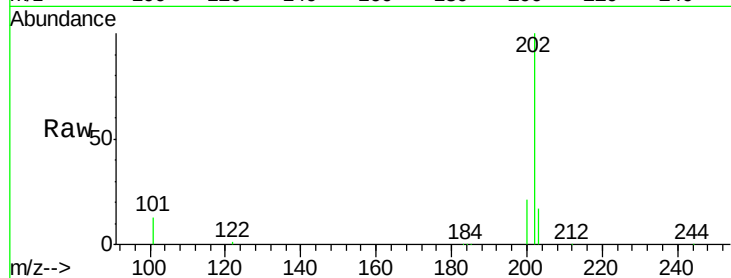




#25
 Fluoranthene
 Concen: 5.70 ng
 RT: 18.90 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BE090983.D
 Acq: 30 Sep 2015 17:46

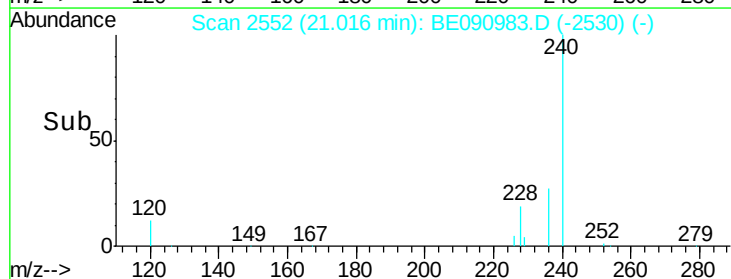
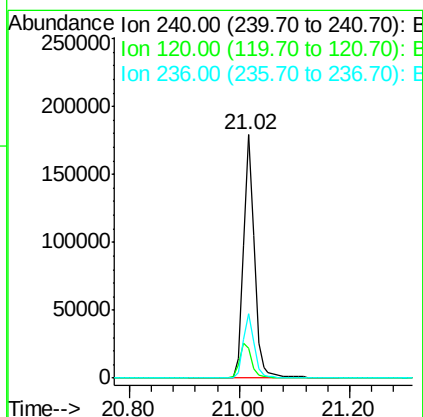
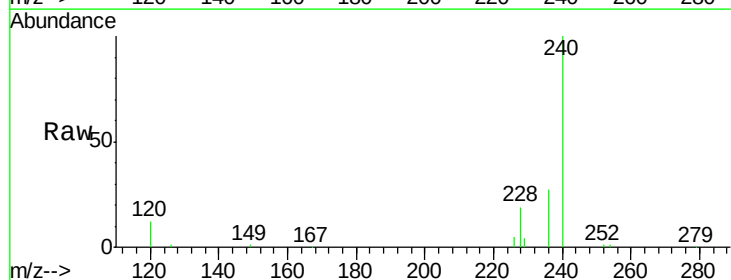
Instrument :
 BNA_E
 ClientSampleId :
 S39-9002MS

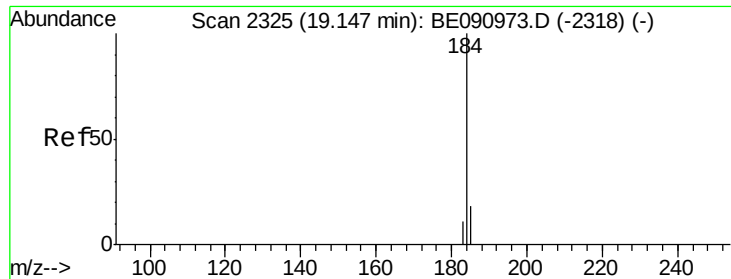
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.6
203	17.1	13.9	20.9



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.02 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: BE090983.D
 Acq: 30 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	11.0	16.4
236	26.7	21.7	32.5





#27

Benzidine

Concen: 7.93 ng

RT: 19.11 min Scan# 2320

Delta R.T. -0.04 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

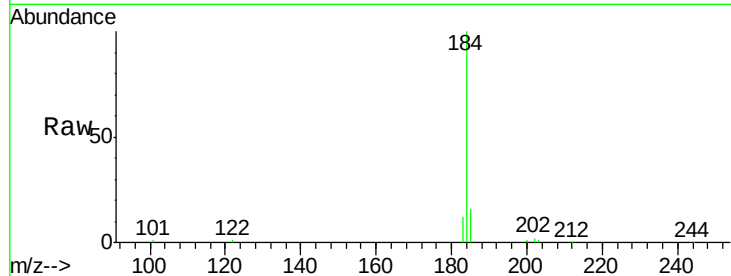
Tgt Ion:184 Resp: 79369

Ion Ratio Lower Upper

184 100

185 15.9 22.3 33.5#

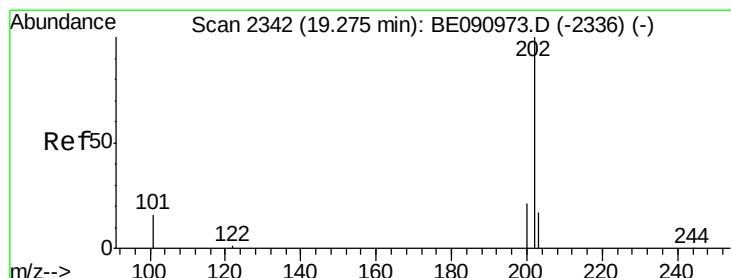
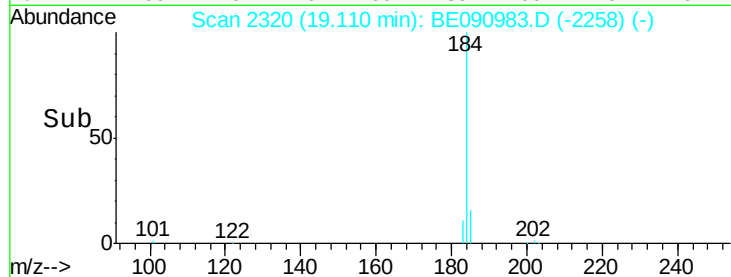
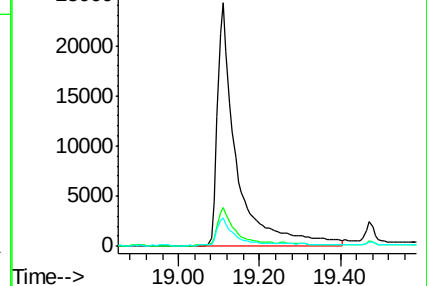
183 11.6 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 5.05 ng

RT: 19.26 min Scan# 2340

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

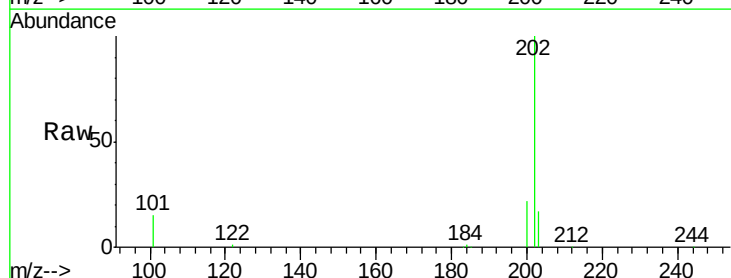
Tgt Ion:202 Resp: 280796

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

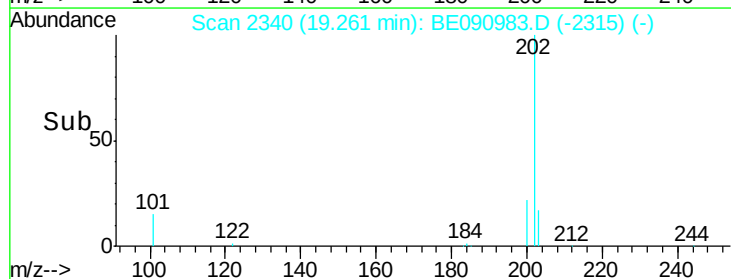
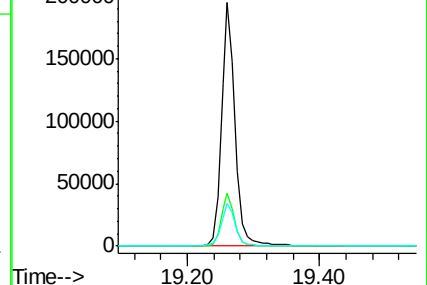
203 18.2 14.0 21.0

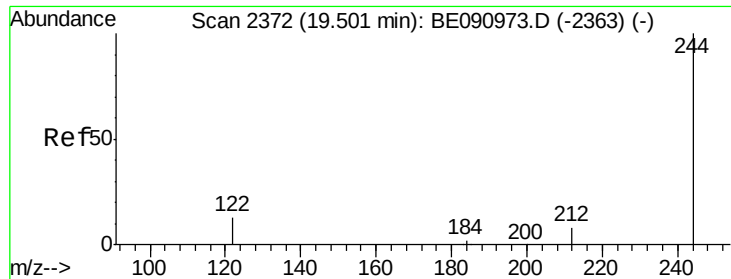


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.83 ng

RT: 19.48 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

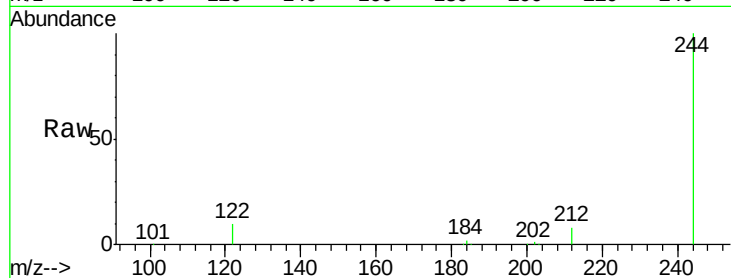
Tgt Ion:244 Resp: 144173

Ion Ratio Lower Upper

244 100

212 7.9 6.9 10.3

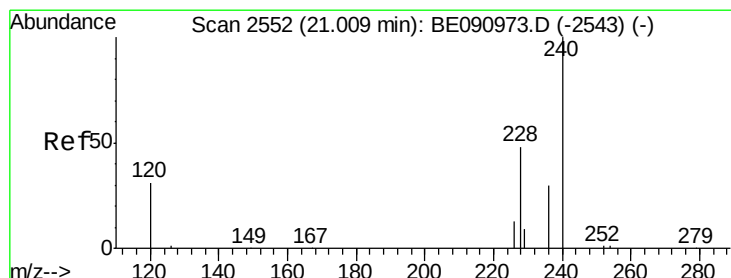
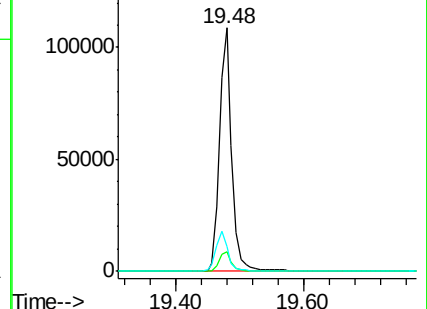
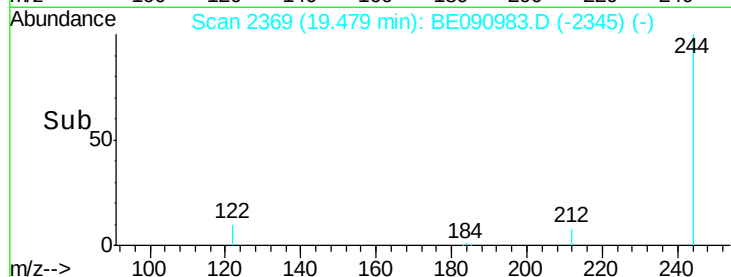
122 9.9 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 4.93 ng

RT: 21.00 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

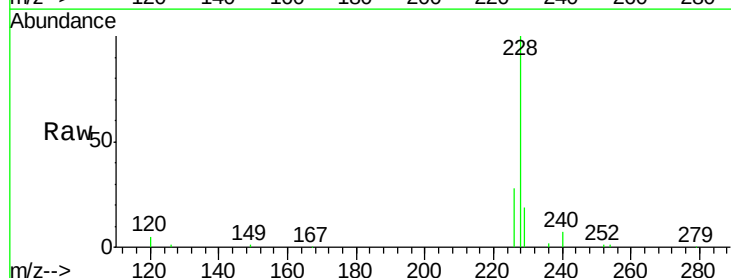
Tgt Ion:228 Resp: 265597

Ion Ratio Lower Upper

228 100

226 27.8 21.0 31.4

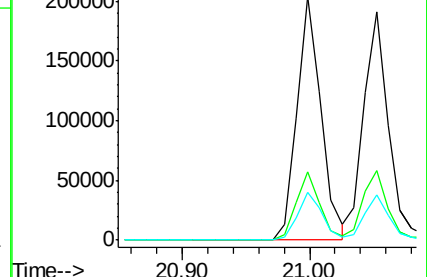
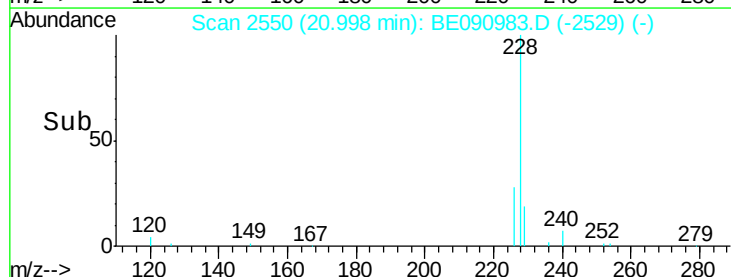
229 19.5 15.7 23.5

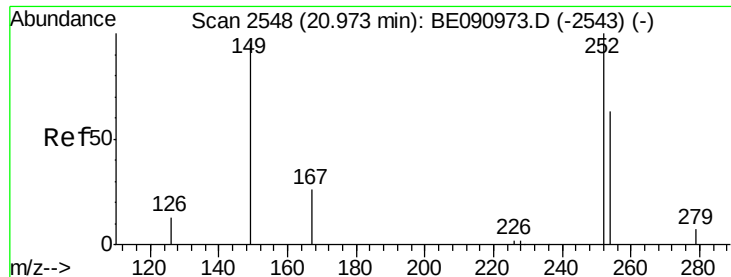


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

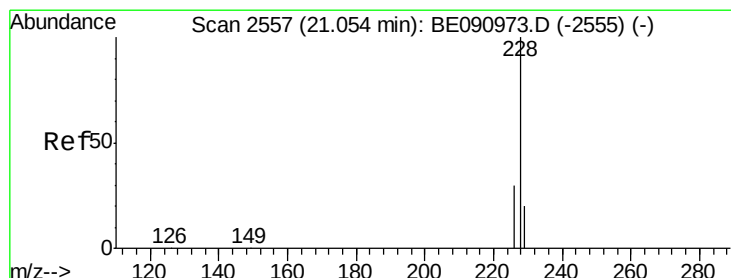
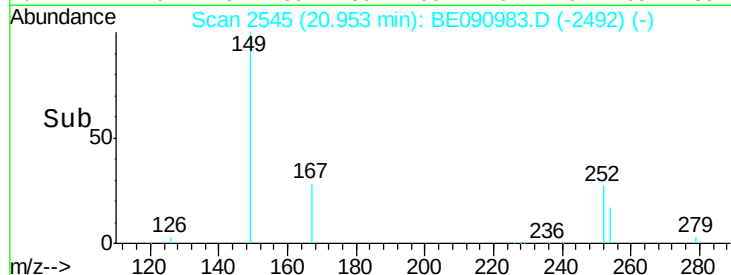
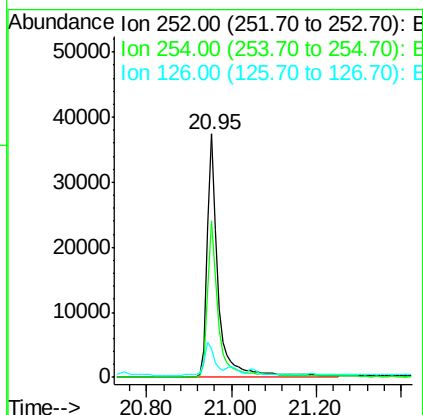
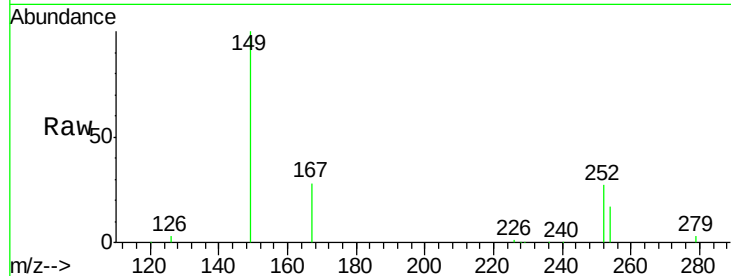




#31
 3,3'-Dichlorobenzidine
 Concen: 5.85 ng
 RT: 20.95 min Scan# 2545
 Delta R.T. -0.02 min
 Lab File: BE090983.D
 Acq: 30 Sep 2015 17:46

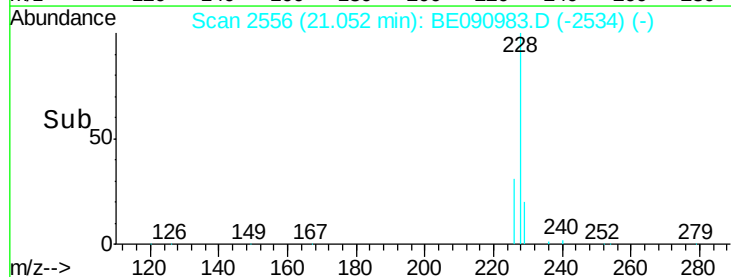
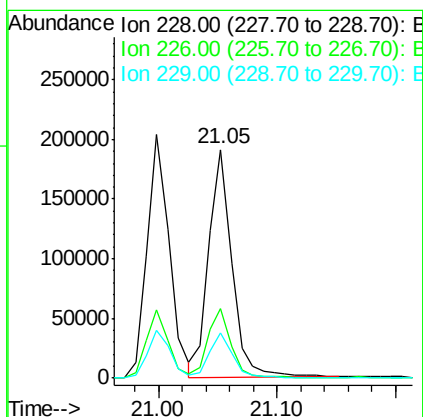
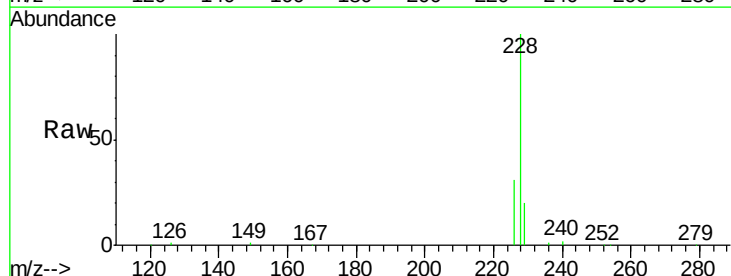
Instrument :
 BNA_E
 ClientSampleId :
 S39-9002MS

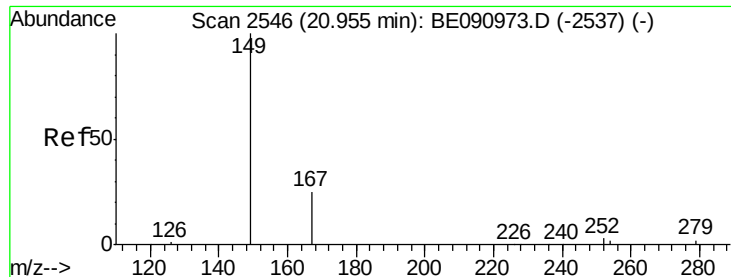
Tgt Ion: 252 Resp: 66555
 Ion Ratio Lower Upper
 252 100
 254 64.2 51.1 76.7
 126 11.7 12.6 18.8#



#32
 Chrysene
 Concen: 4.59 ng
 RT: 21.05 min Scan# 2556
 Delta R.T. -0.00 min
 Lab File: BE090983.D
 Acq: 30 Sep 2015 17:46

Tgt Ion: 228 Resp: 259541
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.0 36.0
 229 19.8 15.9 23.9





#33

Bis(2-ethylhexyl)phthalate

Concen: 6.17 ng

RT: 20.95 min Scan# 2545

Delta R.T. -0.00 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

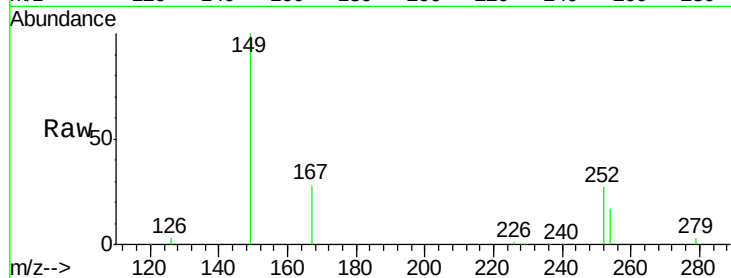
Tgt Ion:149 Resp: 159441

Ion Ratio Lower Upper

149 100

167 26.1 19.5 29.3

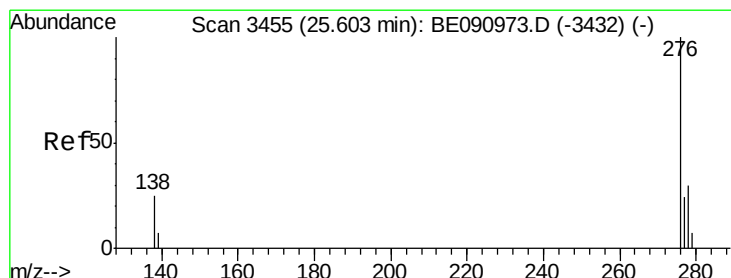
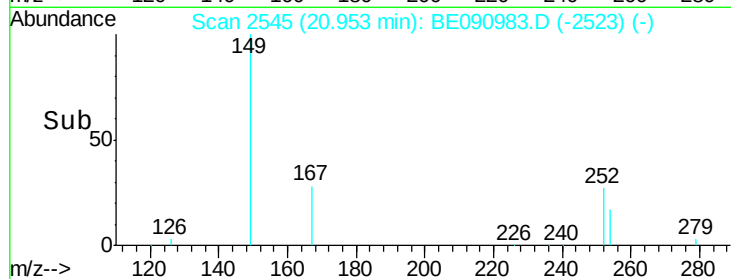
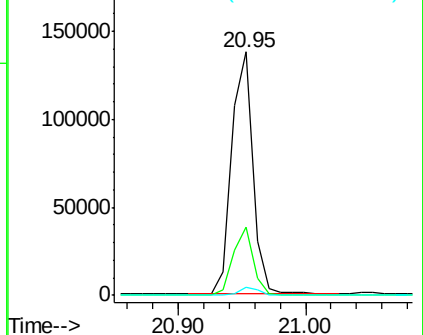
279 3.1 2.3 3.5



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



#34

Indeno(1,2,3-cd)pyrene

Concen: 4.98 ng

RT: 25.59 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

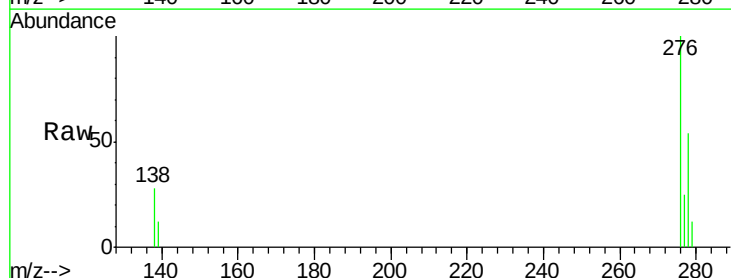
Tgt Ion:276 Resp: 302175

Ion Ratio Lower Upper

276 100

138 30.0 23.4 35.2

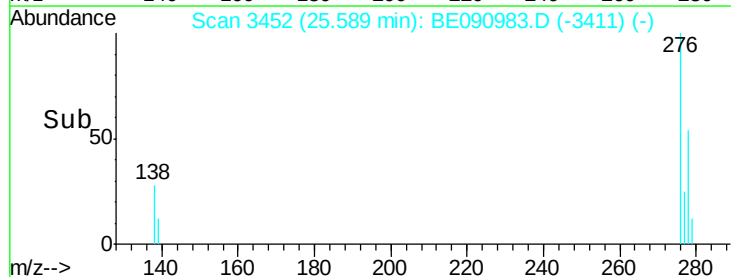
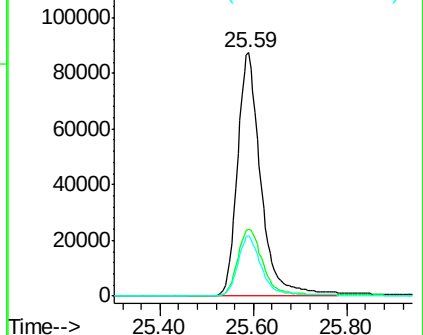
277 25.1 19.8 29.8

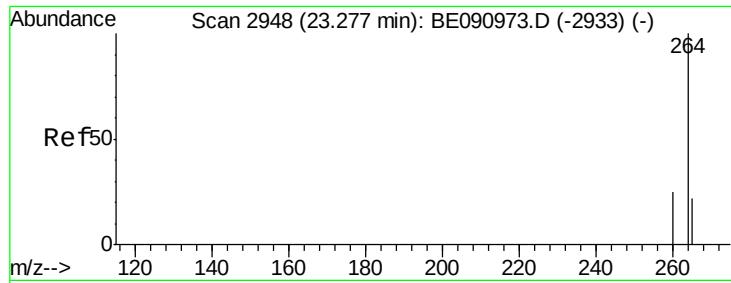


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

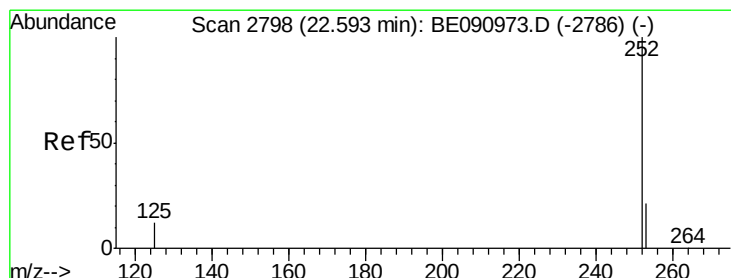
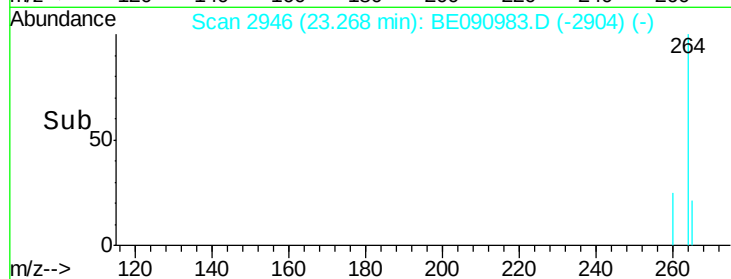
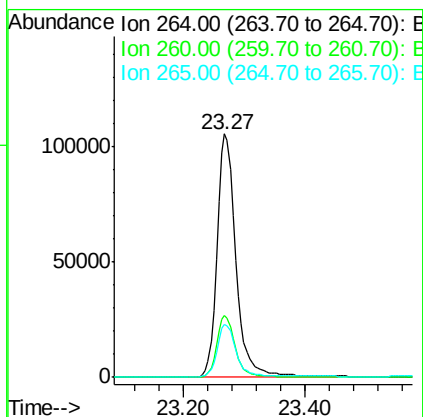
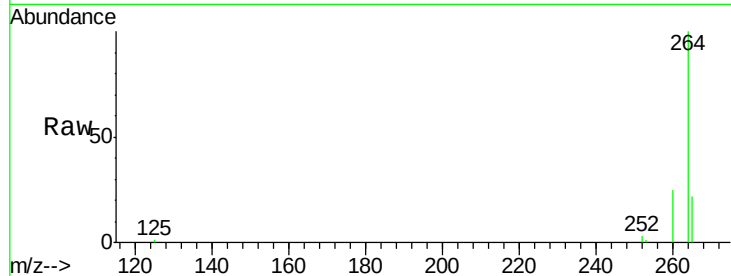




#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.27 min Scan# 2946
 Delta R.T. -0.01 min
 Lab File: BE090983.D
 Acq: 30 Sep 2015 17:46

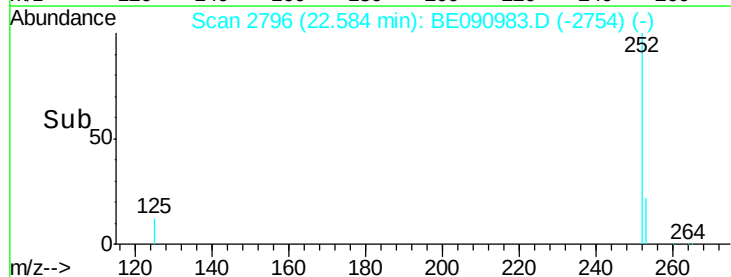
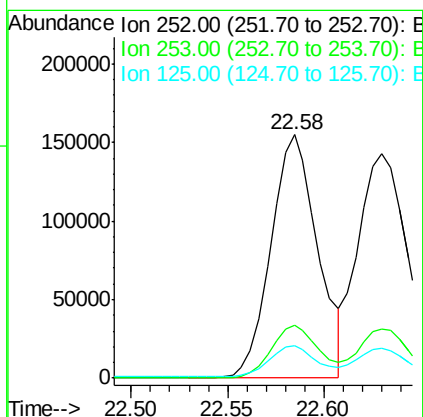
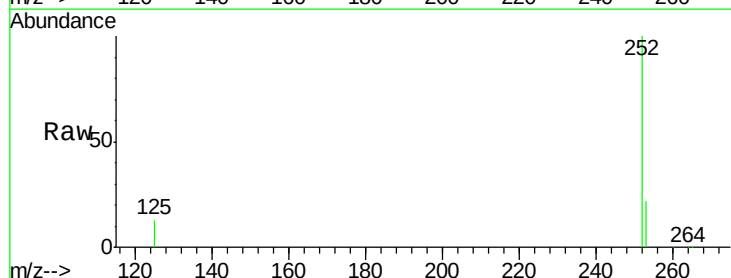
Instrument :
 BNA_E
 ClientSampleId :
 S39-9002MS

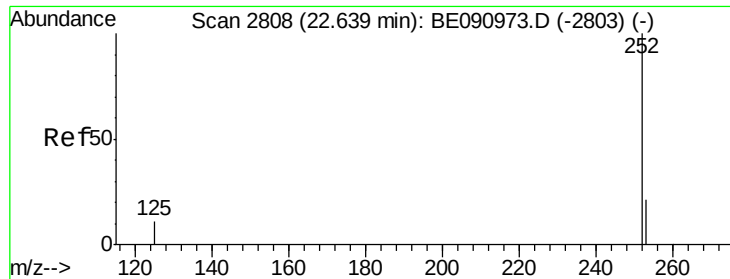
Tgt Ion: 264 Resp: 228921
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.0 30.0
 265 21.6 17.5 26.3



#36
Benzo(b)fluoranthene
 Concen: 5.18 ng
 RT: 22.58 min Scan# 2796
 Delta R.T. -0.01 min
 Lab File: BE090983.D
 Acq: 30 Sep 2015 17:46

Tgt Ion: 252 Resp: 261559
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.4 26.0
 125 13.1 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 4.37 ng

RT: 22.63 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

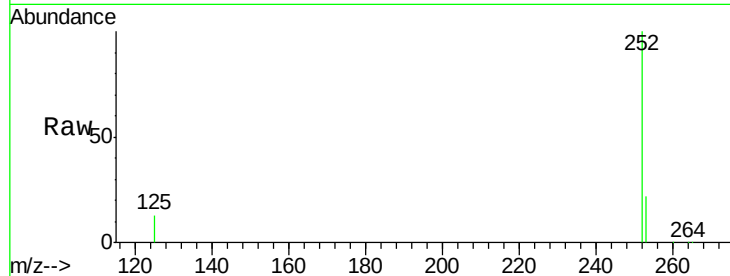
Tgt Ion: 252 Resp: 266679

Ion Ratio Lower Upper

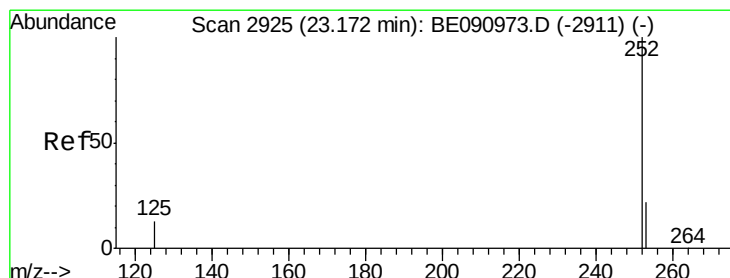
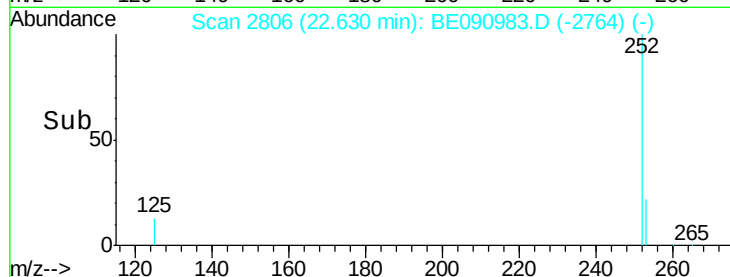
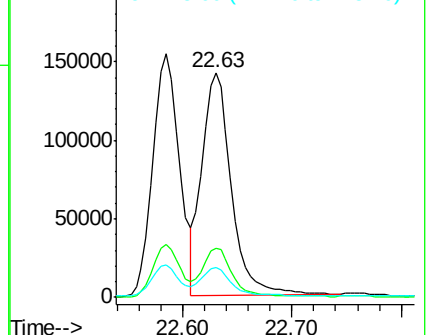
252 100

253 21.8 17.6 26.4

125 13.3 9.9 14.9



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



#38

Benzo(a)pyrene

Concen: 5.39 ng

RT: 23.17 min Scan# 2924

Delta R.T. -0.00 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

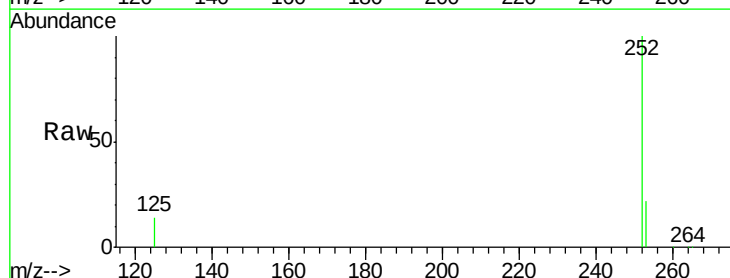
Tgt Ion: 252 Resp: 252424

Ion Ratio Lower Upper

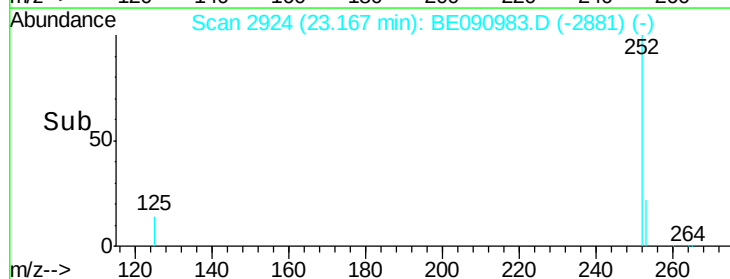
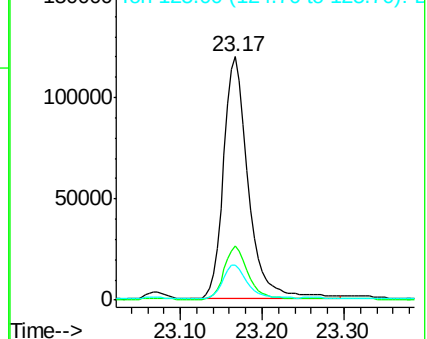
252 100

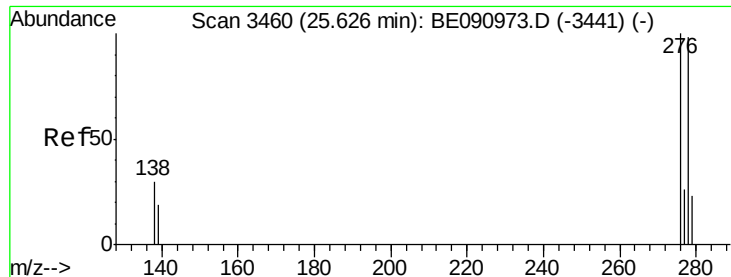
253 22.1 18.1 27.1

125 14.3 11.0 16.4



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





#39

Dibenzo(a,h)anthracene

Concen: 5.31 ng

RT: 25.61 min Scan# 3456

Delta R.T. -0.02 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

Instrument :

BNA_E

ClientSampleId :

S39-9002MS

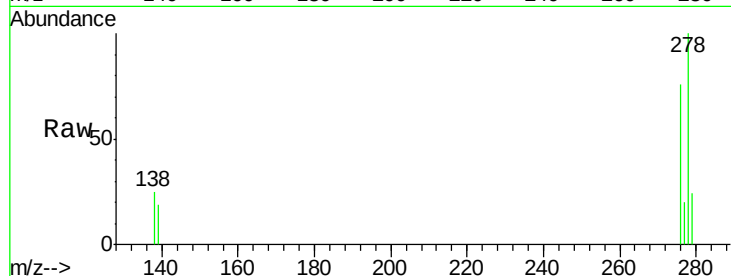
Tgt Ion:278 Resp: 245201

Ion Ratio Lower Upper

278 100

139 19.0 16.0 24.0

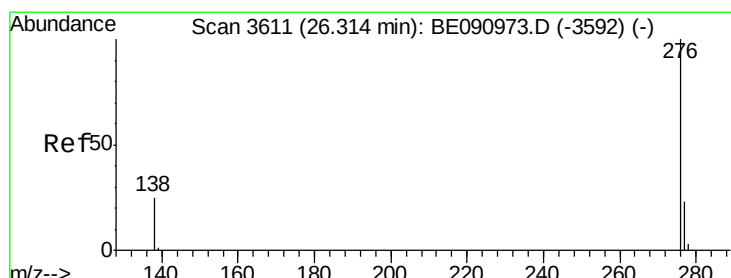
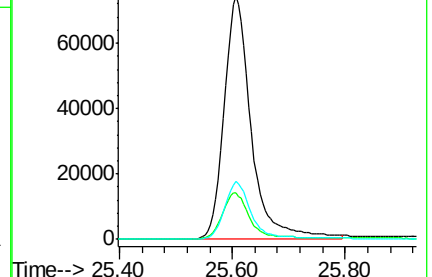
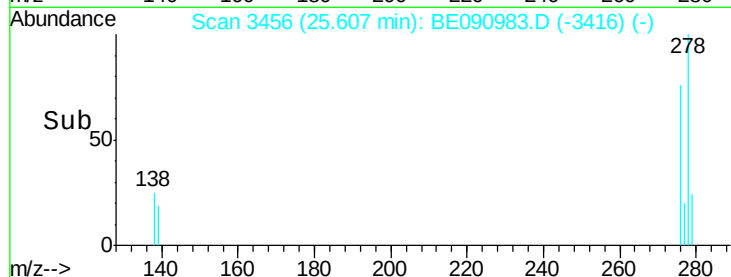
279 23.7 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 5.08 ng

RT: 26.30 min Scan# 3608

Delta R.T. -0.01 min

Lab File: BE090983.D

Acq: 30 Sep 2015 17:46

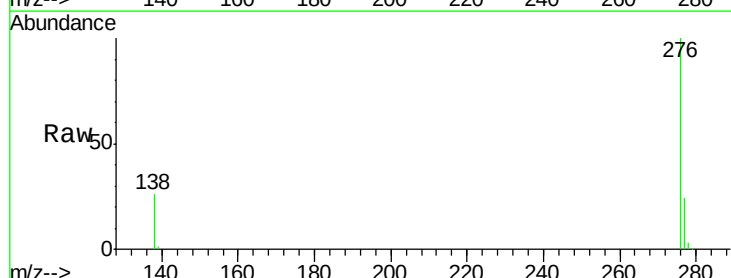
Tgt Ion:276 Resp: 254887

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 25.6 20.4 30.6



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

