

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093015\
 Data File : BE090982.D
 Acq On : 30 Sep 2015 17:07
 Operator : UM/IZ
 Sample : G3778-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 S39-9002

Quant Time: Oct 01 01:24:15 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	7.49	152	24343	5.00	ng	0.00
7) Naphthalene-d8	10.26	136	107520	5.00	ng	0.01
13) Acenaphthene-d10	14.11	164	67915	5.00	ng	0.00
19) Phenanthrene-d10	16.86	188	177500	5.00	ng	0.00
26) Chrysene-d12	21.02	240	233693	5.00	ng	0.00
35) Perylene-d12	23.27	264	217410	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.12	112	12216	2.52	ng	0.00
5) Phenol-d6	6.70	99	41729	6.70	ng	-0.02
8) Nitrobenzene-d5	8.67	82	25727	3.68	ng	0.01
14) 2,4,6-Tribromophenol	15.64	330	3384	1.58	ng	0.00
15) 2-Fluorobiphenyl	12.75	172	75291	4.09	ng	0.00
29) Terphenyl-d14	19.48	244	149196	5.17	ng	-0.02

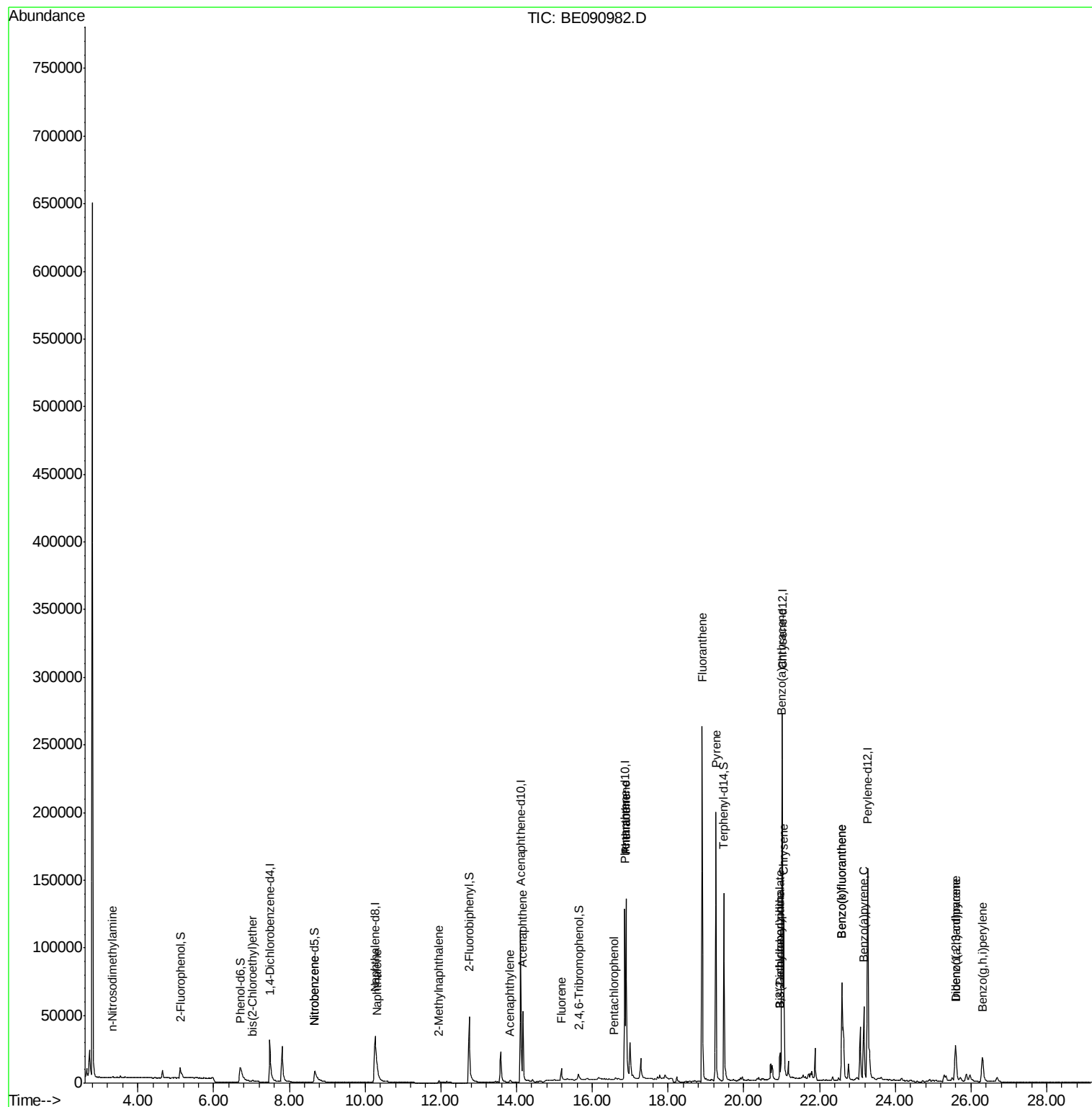
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	54	Below Cal	#	33
3) n-Nitrosodimethylamine	3.32	42	465	0.08	ng	1
6) bis(2-Chloroethyl)ether	7.03	93	76	0.06	ng	1
9) Nitrobenzene	8.67	77	12	0.29	ng	1
10) Naphthalene	10.31	128	7216	0.27	ng	93
11) Hexachlorobutadiene	10.62	225	1	Below Cal	#	1
12) 2-Methylnaphthalene	11.95	142	1869	0.14	ng	94
16) Acenaphthylene	13.83	152	2333	0.02	ng	93
17) Acenaphthene	14.17	154	9583	0.53	ng	93
18) Fluorene	15.19	166	10092	0.45	ng	96
21) Hexachlorobenzene	16.11	284	37	Below Cal	#	1
22) Pentachlorophenol	16.58	266	99	0.05	ng	86
23) Phenanthrene	16.89	178	176872	4.38	ng	99
24) Anthracene	16.89	178	176709	4.58	ng	98
25) Fluoranthene	18.90	202	251445	5.46	ng	99
27) Benzdine	19.21	184	206	Below Cal	#	12
28) Pyrene	19.26	202	198923	3.70	ng	95
30) Benzo(a)anthracene	21.00	228	125256	2.41	ng	97
31) 3,3'-Dichlorobenzidine	20.95	252	66	0.03	ng	1
32) Chrysene	21.05	228	115159	2.02	ng	98
33) Bis(2-ethylhexyl)phthalate	20.95	149	18356	1.06	ng	97
34) Indeno(1,2,3-cd)pyrene	25.59	276	45478	0.87	ng	94
36) Benzo(b)fluoranthene	22.59	252	117371	2.45	ng	96
37) Benzo(k)fluoranthene	22.59	252	117371	1.97	ng	96
38) Benzo(a)pyrene	23.17	252	75687	1.70	ng	97
39) Dibenzo(a,h)anthracene	25.60	278	12441	0.28	ng	94
40) Benzo(g,h,i)perylene	26.30	276	43869	0.92	ng	98

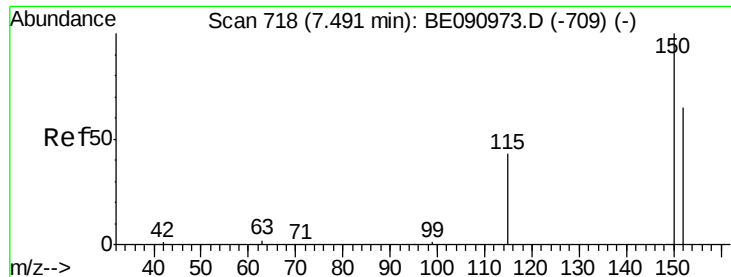
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093015\
Data File : BE090982.D
Acq On : 30 Sep 2015 17:07
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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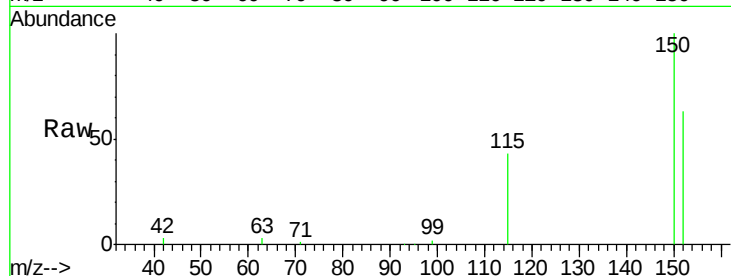


#1

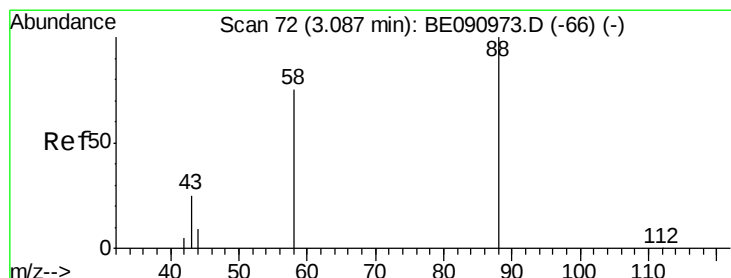
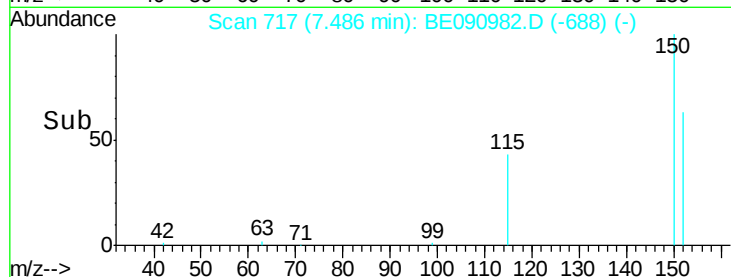
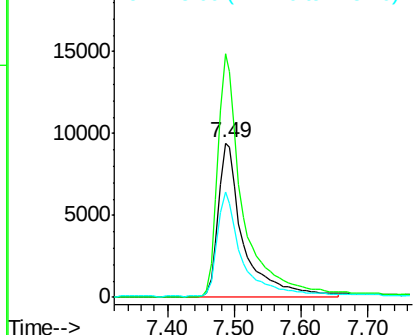
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.49 min Scan# 717
Delta R.T. -0.00 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

Instrument :
BNA_E
ClientSampleId :
S39-9002

Tgt Ion: 152 Resp: 24343
Ion Ratio Lower Upper
152 100
150 158.1 122.6 183.8
115 68.2 52.8 79.2



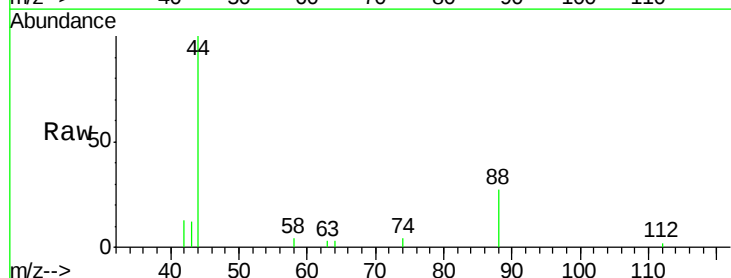
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



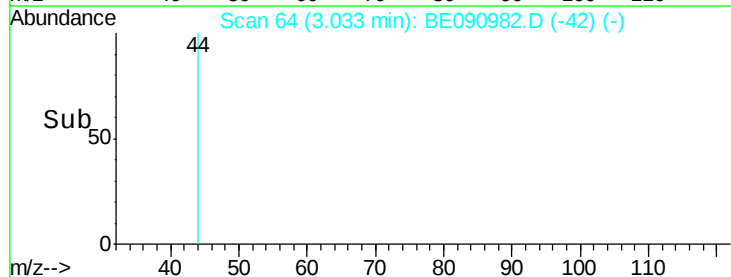
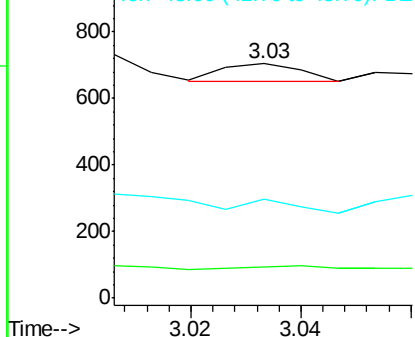
#2

1,4-Dioxane
Concen: Below Cal
RT: 3.03 min Scan# 64
Delta R.T. -0.05 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
58 18.5 65.8 98.6#
43 0.0 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: 0.08 ng

RT: 3.32 min Scan# 107

Delta R.T. -0.06 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

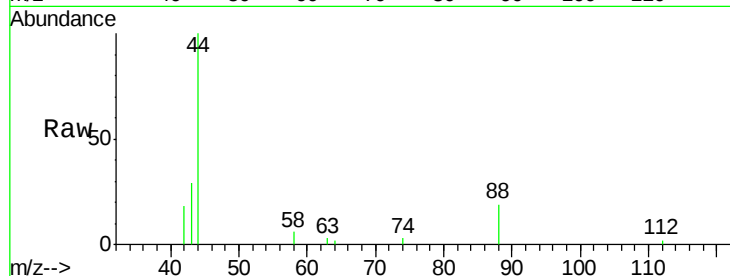
Tgt Ion: 42 Resp: 465

Ion Ratio Lower Upper

42 100

74 12.5 87.9 131.9#

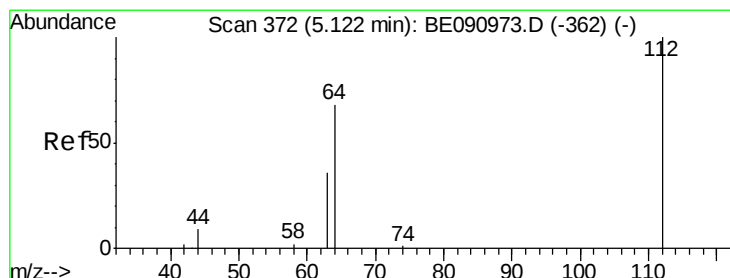
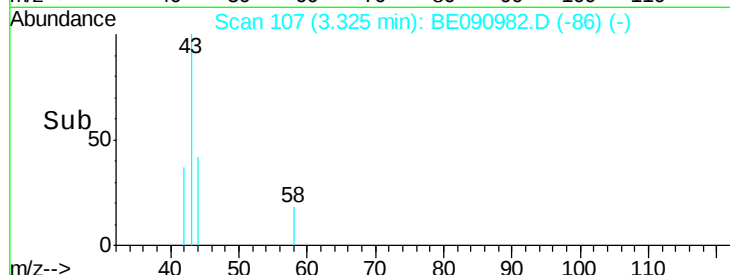
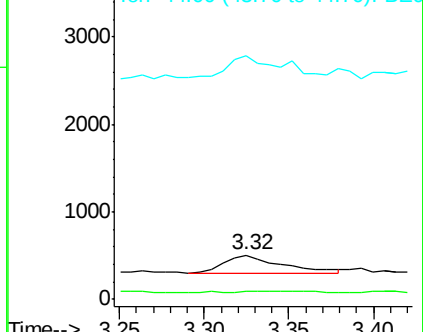
44 105.6 6.6 9.8#



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: 2.52 ng

RT: 5.12 min Scan# 371

Delta R.T. -0.01 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

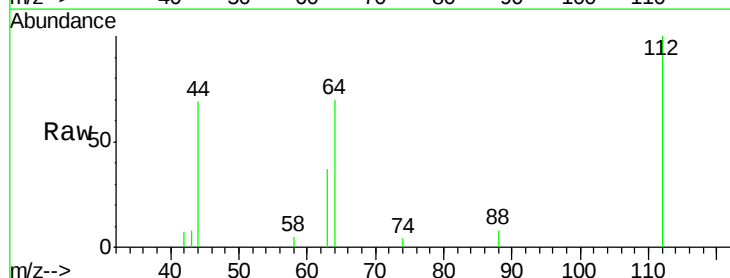
Tgt Ion: 112 Resp: 12216

Ion Ratio Lower Upper

112 100

64 68.6 30.9 46.3#

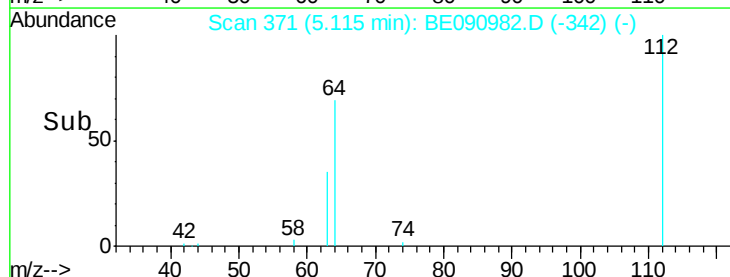
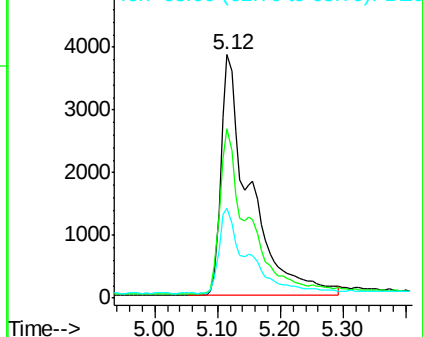
63 35.8 16.7 25.1#

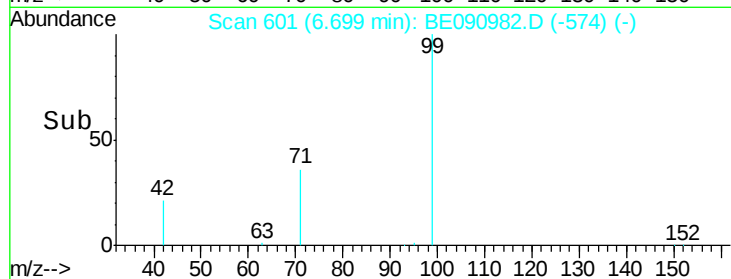
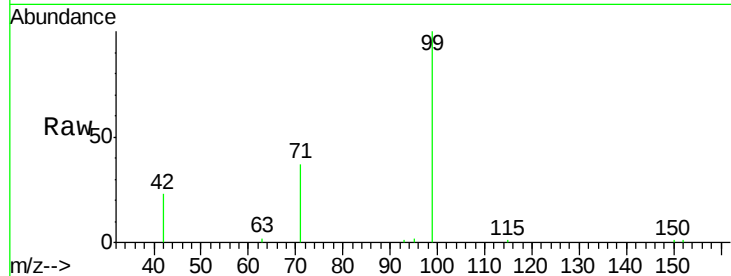
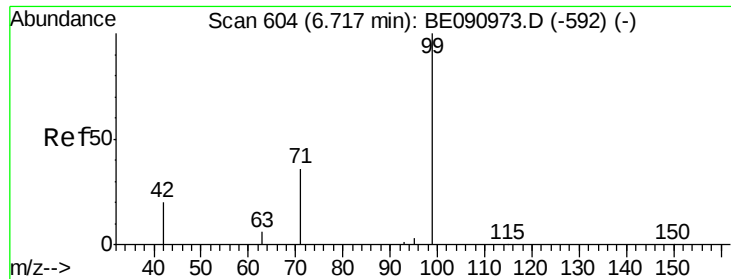


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.70 ng

RT: 6.70 min Scan# 601

Delta R.T. -0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampled :

S39-9002

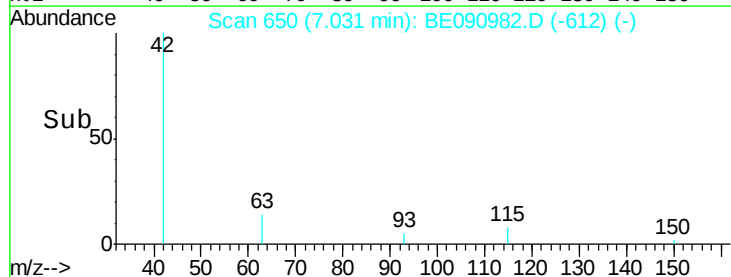
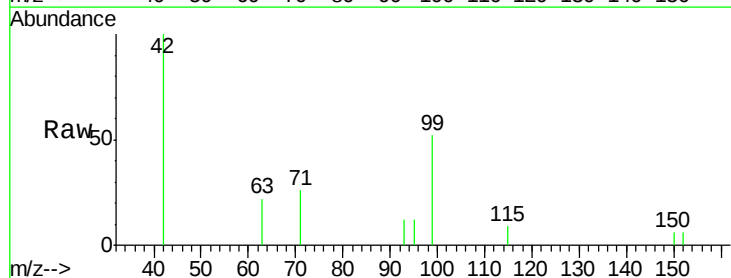
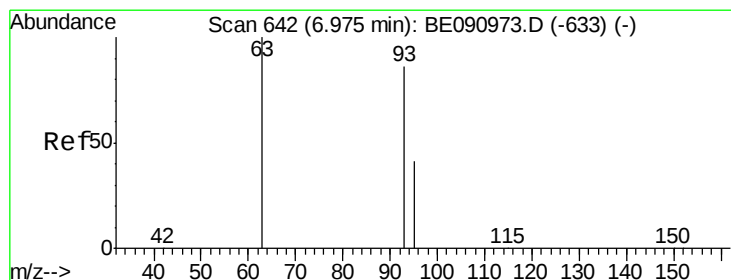
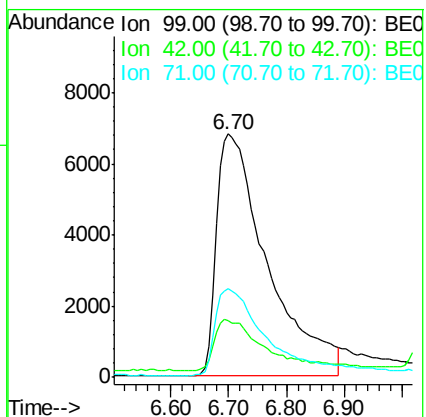
Tgt Ion: 99 Resp: 41729

Ion Ratio Lower Upper

99 100

42 20.3 16.2 24.2

71 35.6 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 0.06 ng

RT: 7.03 min Scan# 650

Delta R.T. 0.06 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

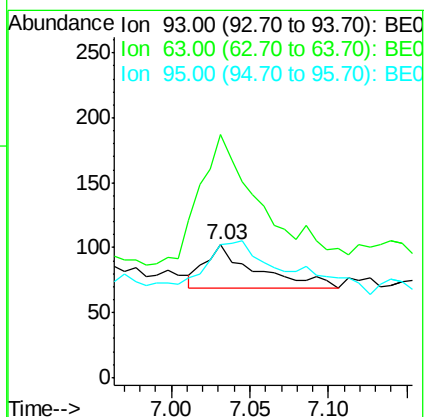
Tgt Ion: 93 Resp: 76

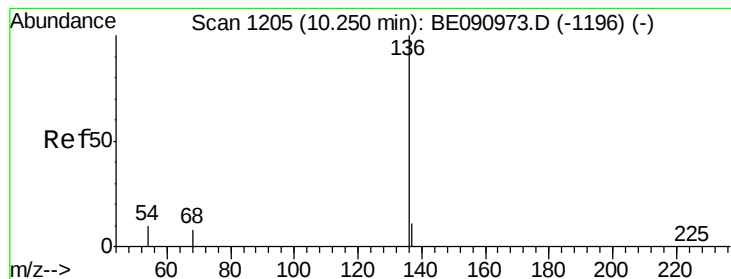
Ion Ratio Lower Upper

93 100

63 364.5 49.5 74.3#

95 198.7 22.2 33.4#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

Tgt Ion: 136 Resp: 107520

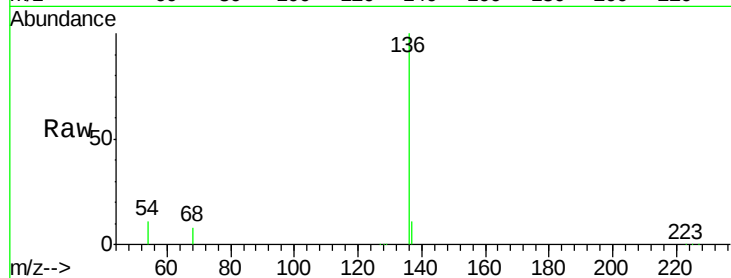
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.7 8.2 12.4

68 8.0 6.2 9.4

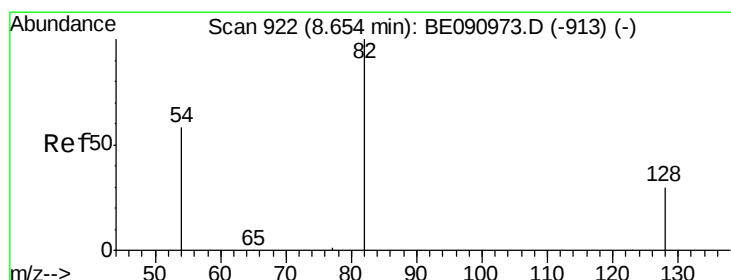
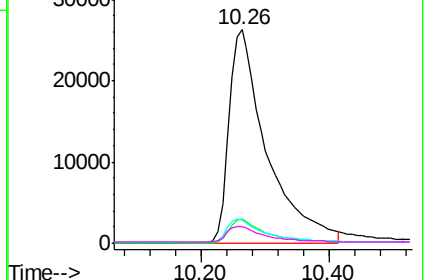
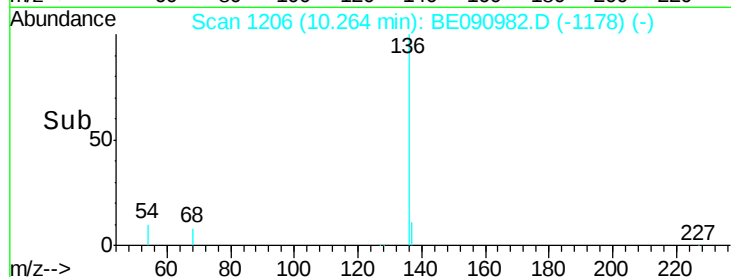


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.68 ng

RT: 8.67 min Scan# 925

Delta R.T. 0.01 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

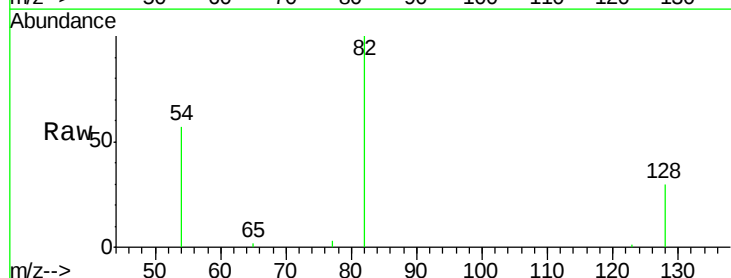
Tgt Ion: 82 Resp: 25727

Ion Ratio Lower Upper

82 100

128 30.0 25.4 38.0

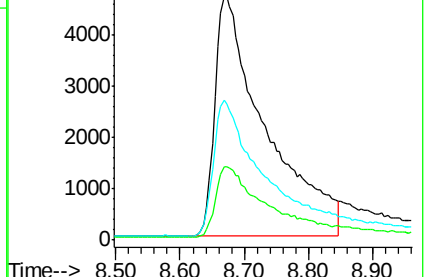
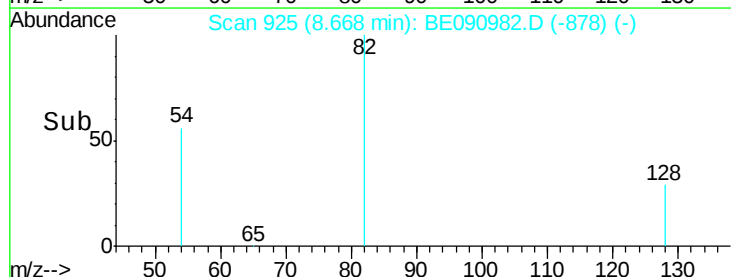
54 57.3 48.4 72.6

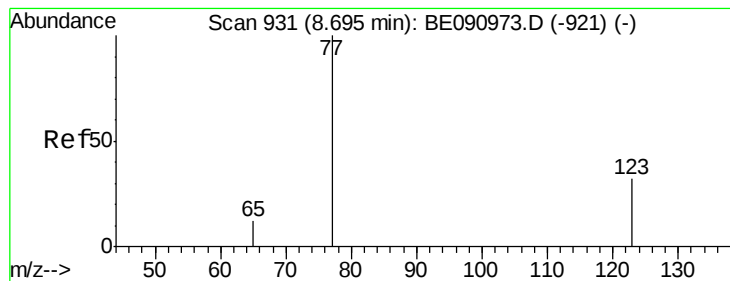


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.29 ng

RT: 8.67 min Scan# 925

Delta R.T. -0.03 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

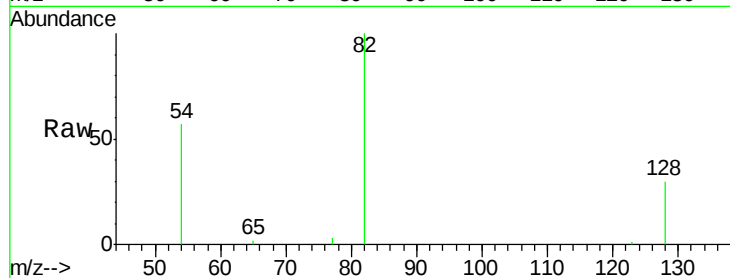
Tgt Ion: 77 Resp: 12

Ion Ratio Lower Upper

77 100

123 16.7 26.9 40.3#

65 208.3 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) (-)

8.67

150

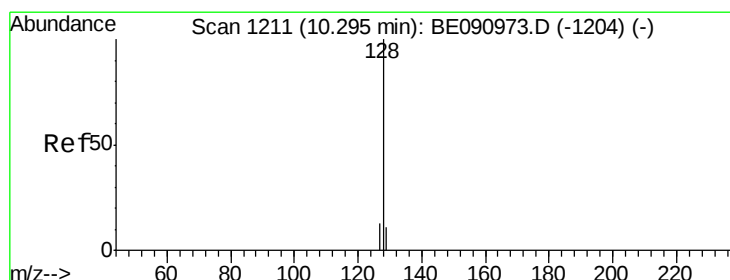
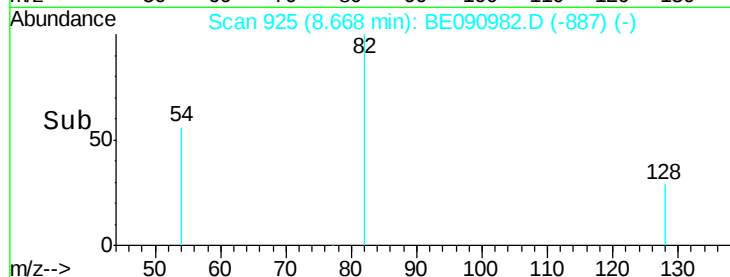
100

50

0

8.66 8.67 8.68 8.69

Time-->



#10

Naphthalene

Concen: 0.27 ng

RT: 10.31 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

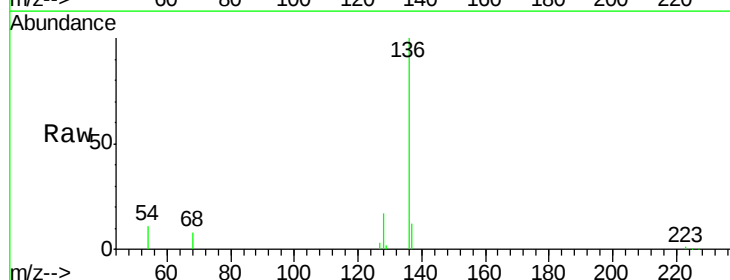
Tgt Ion: 128 Resp: 7216

Ion Ratio Lower Upper

128 100

129 14.7 9.3 13.9#

127 15.9 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) (-)

10.31

2000

1500

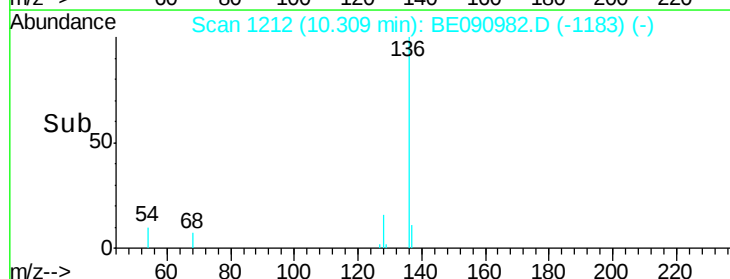
1000

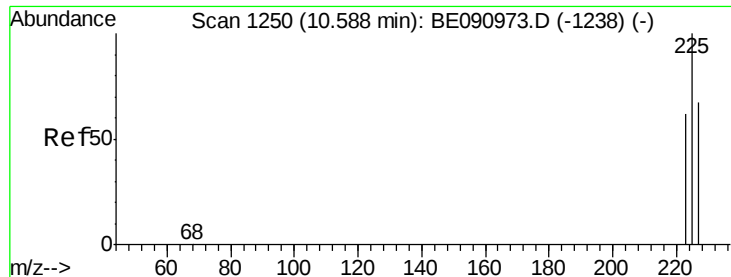
500

0

10.20 10.40

Time-->

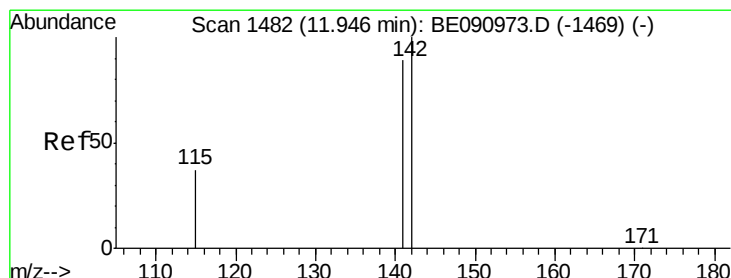
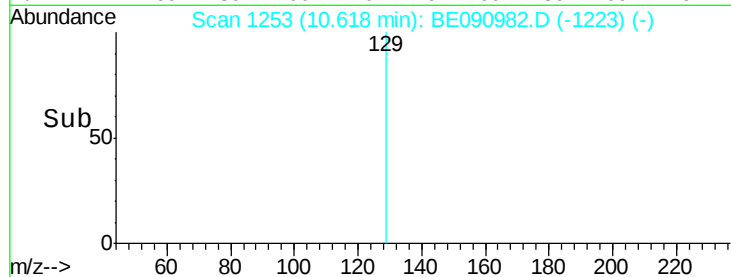
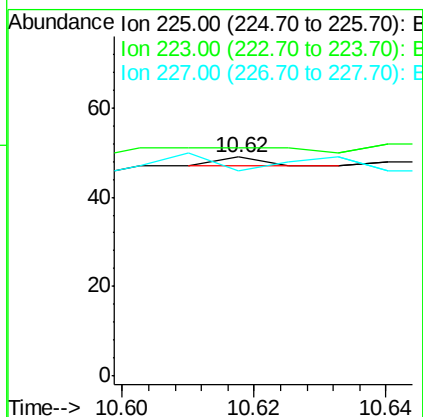
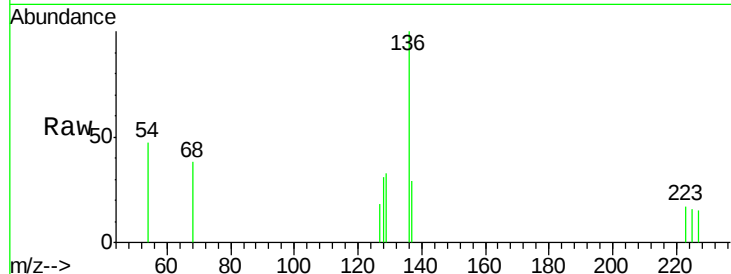




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.62 min Scan# 1253
Delta R.T. 0.03 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

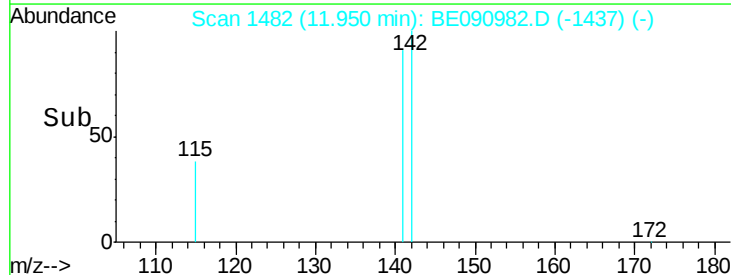
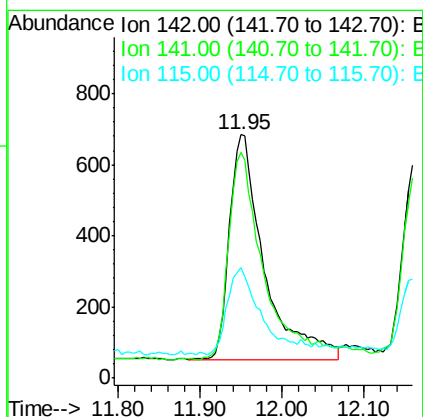
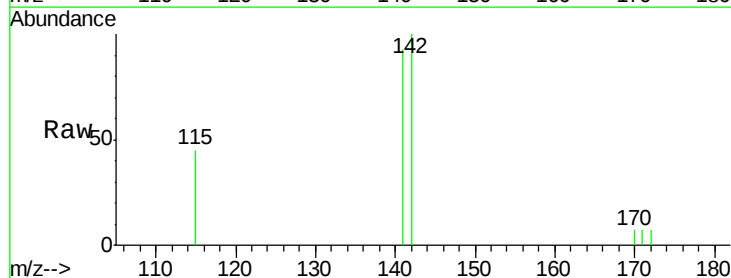
Instrument :
BNA_E
ClientSampleId :
S39-9002

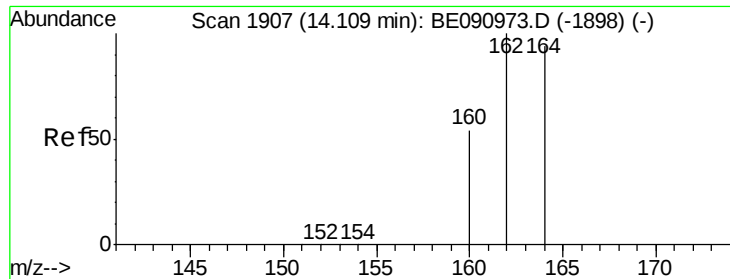
Tgt Ion: 225 Resp: 1
Ion Ratio Lower Upper
225 100
223 0.0 49.0 73.6#
227 300.0 50.3 75.5#



#12
2-Methylnaphthalene
Concen: 0.14 ng
RT: 11.95 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

Tgt Ion: 142 Resp: 1869
Ion Ratio Lower Upper
142 100
141 92.8 71.4 107.0
115 45.1 30.3 45.5

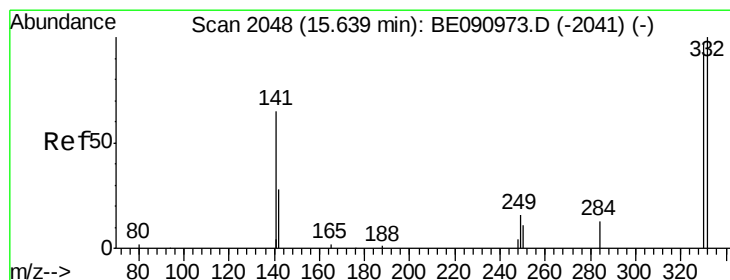
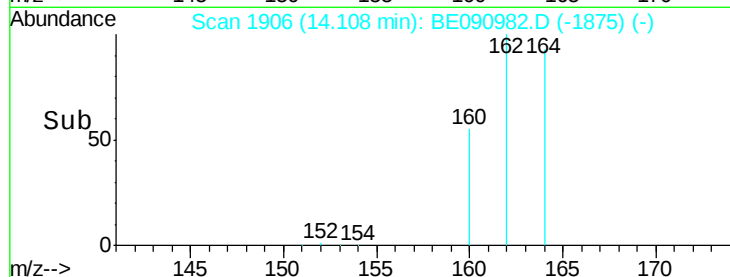
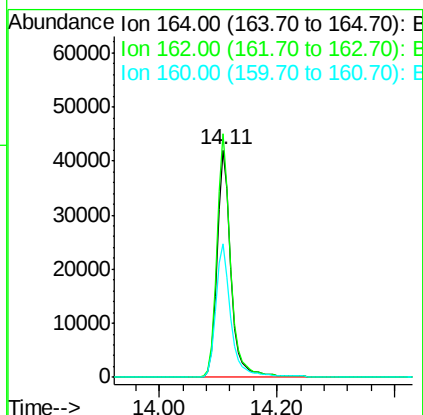
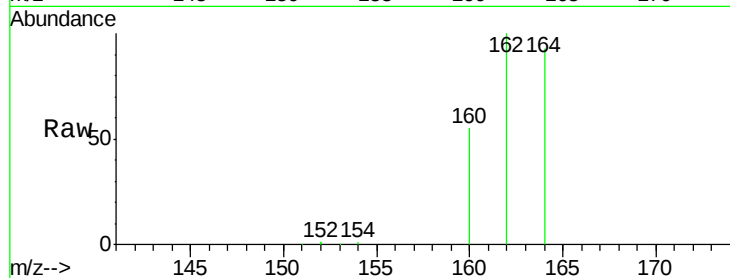




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.11 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

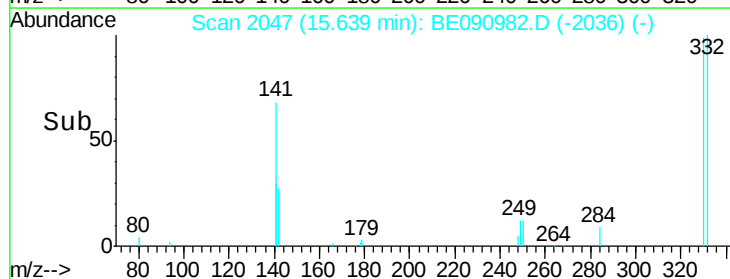
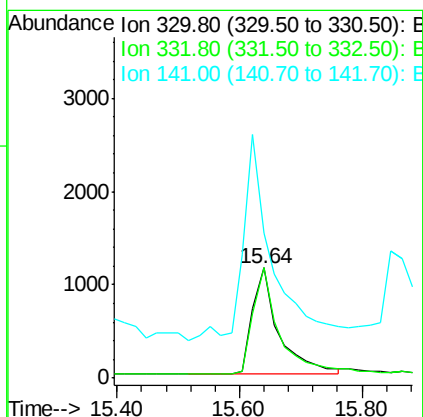
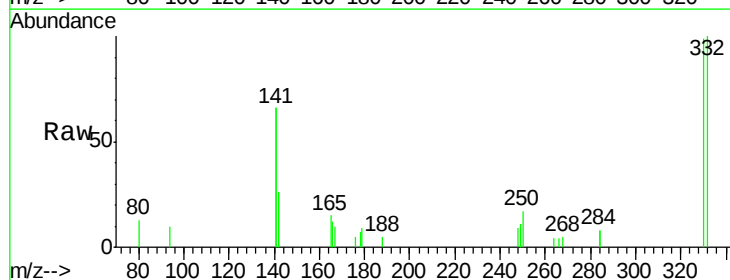
Instrument :
BNA_E
ClientSampleId :
S39-9002

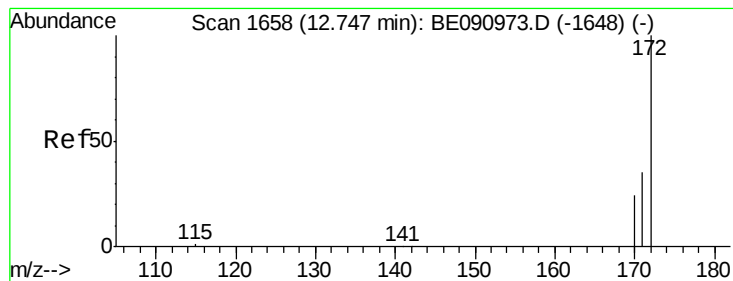
Tgt Ion:164 Resp: 67915
Ion Ratio Lower Upper
164 100
162 107.3 85.3 127.9
160 59.1 46.2 69.2



#14
2,4,6-Tribromophenol
Concen: 1.58 ng
RT: 15.64 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

Tgt Ion:330 Resp: 3384
Ion Ratio Lower Upper
330 100
332 98.0 79.1 118.7
141 216.2 125.4 188.0#





#15

2-Fluorobiphenyl

Concen: 4.09 ng

RT: 12.75 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

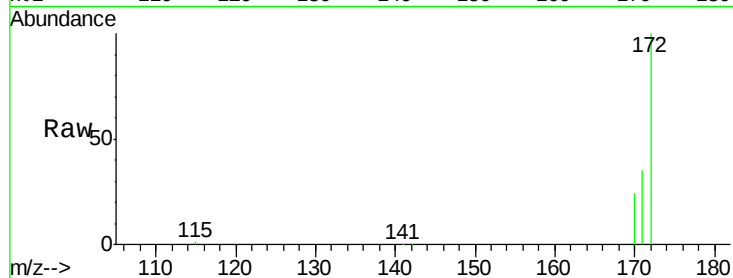
Tgt Ion:172 Resp: 75291

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

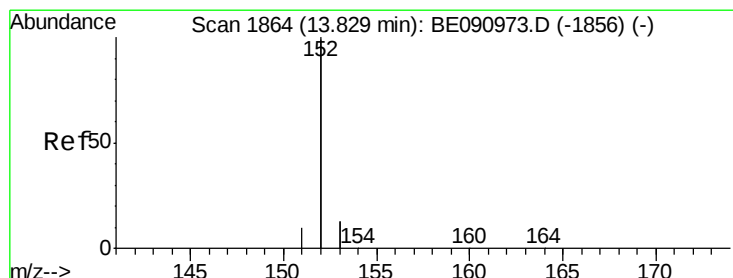
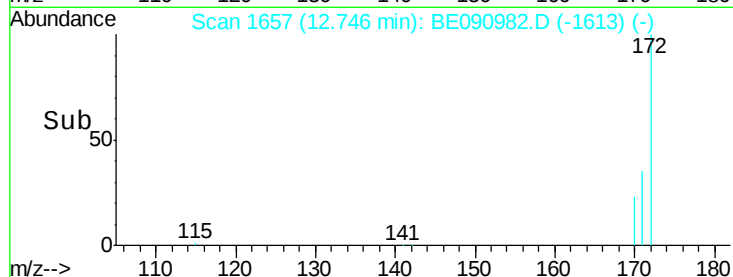
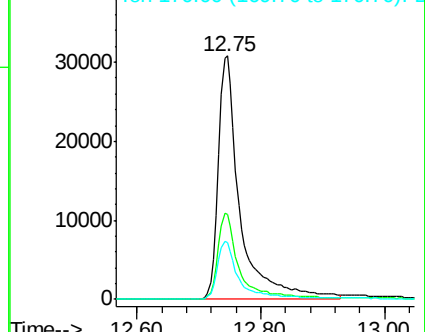
170 23.5 19.3 28.9



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



#16

Acenaphthylene

Concen: 0.02 ng

RT: 13.83 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

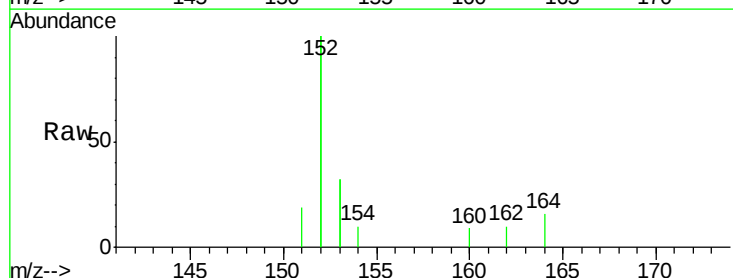
Tgt Ion:152 Resp: 2333

Ion Ratio Lower Upper

152 100

151 5.3 3.9 5.9

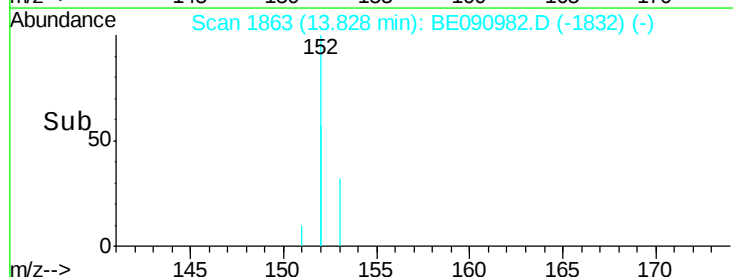
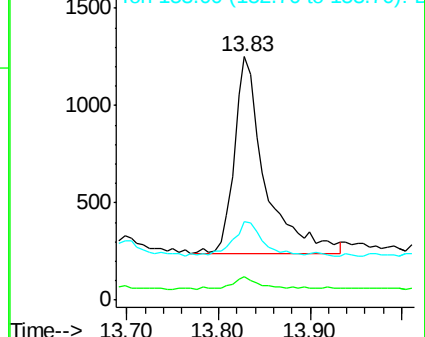
153 16.4 10.3 15.5#

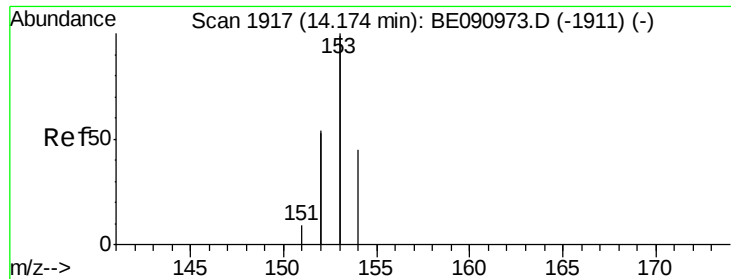


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.53 ng

RT: 14.17 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

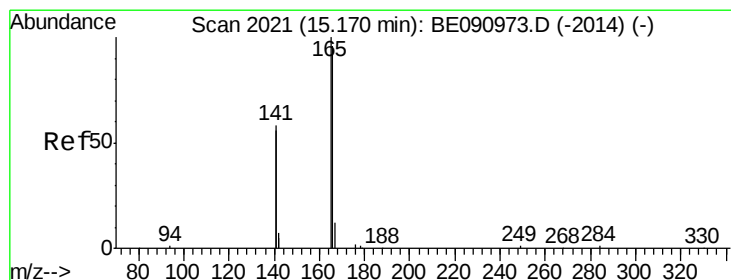
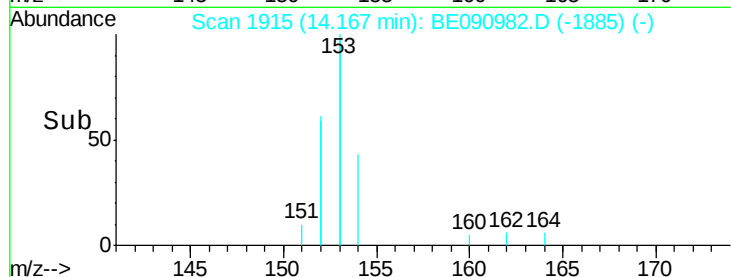
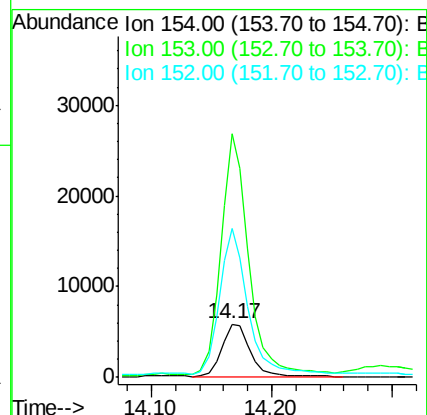
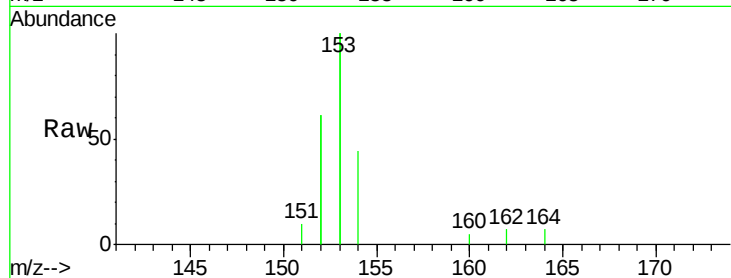
Tgt Ion:154 Resp: 9583

Ion Ratio Lower Upper

154 100

153 442.4 352.0 528.0

152 278.8 200.0 300.0



#18

Fluorene

Concen: 0.45 ng

RT: 15.19 min Scan# 2021

Delta R.T. 0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

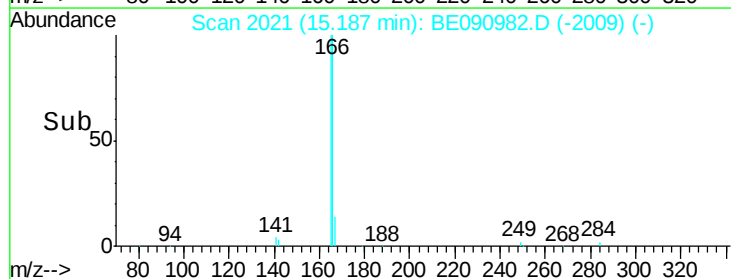
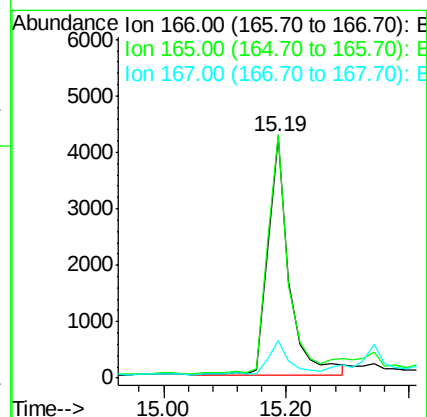
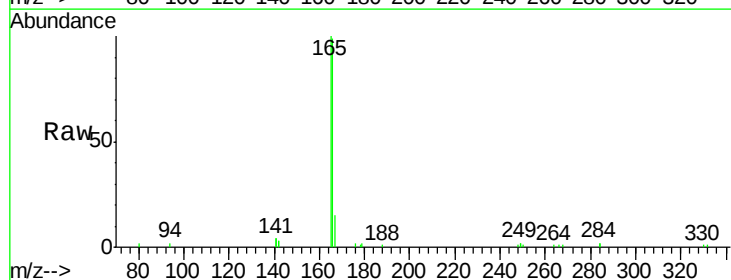
Tgt Ion:166 Resp: 10092

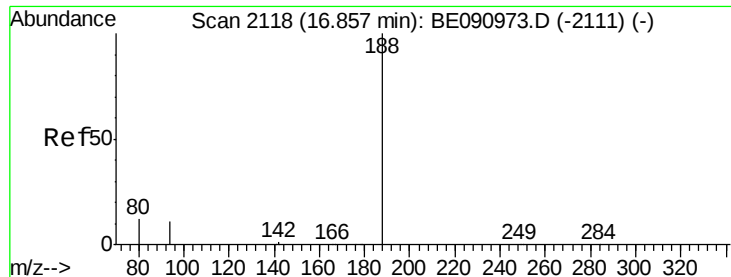
Ion Ratio Lower Upper

166 100

165 96.8 80.8 121.2

167 15.4 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.86 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

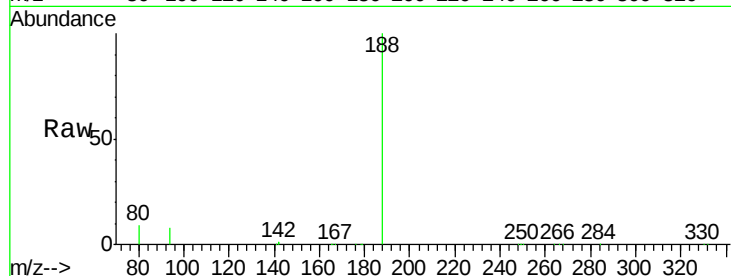
Tgt Ion:188 Resp: 177500

Ion Ratio Lower Upper

188 100

94 8.2 8.7 13.1#

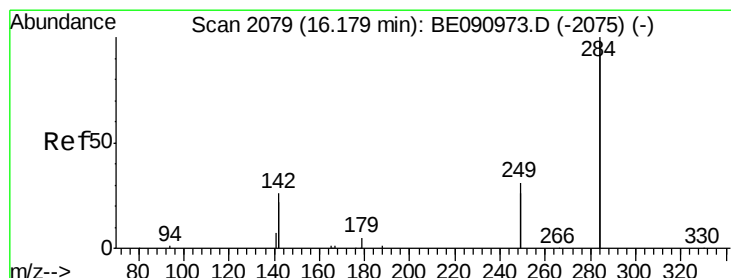
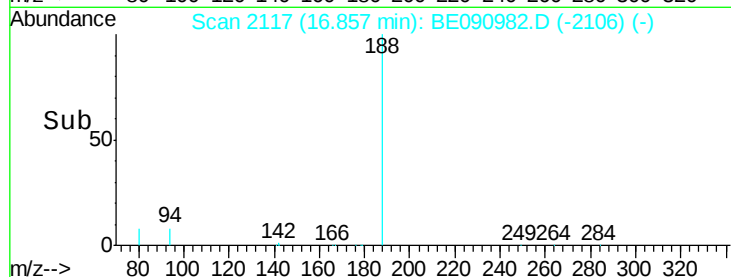
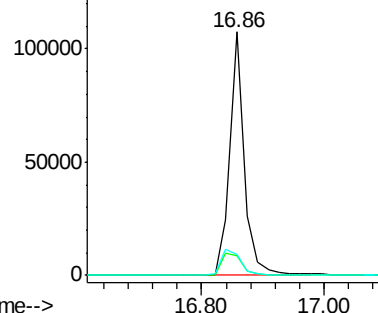
80 8.6 9.4 14.0#



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.11 min Scan# 2074

Delta R.T. -0.07 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

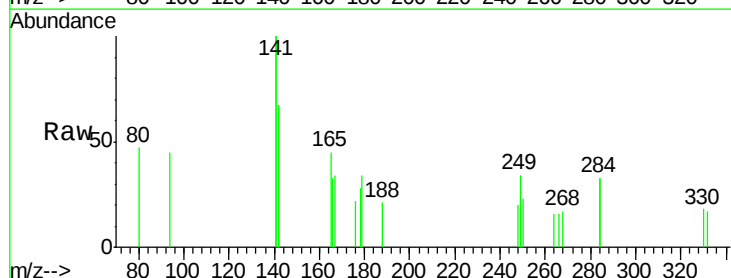
Tgt Ion:284 Resp: 37

Ion Ratio Lower Upper

284 100

142 400.0 32.2 48.2#

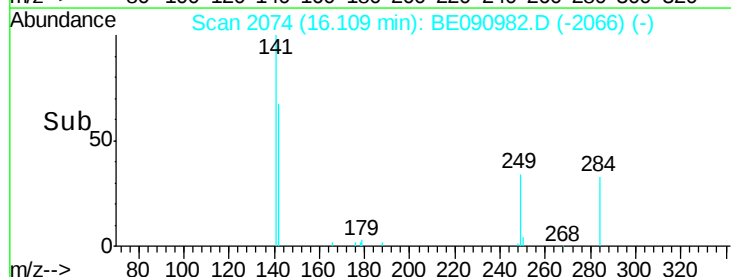
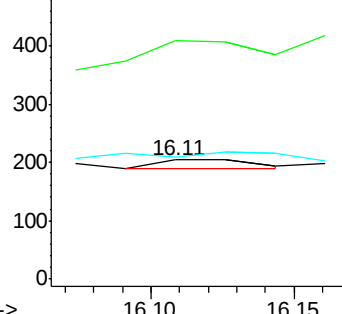
249 145.9 25.4 38.2#

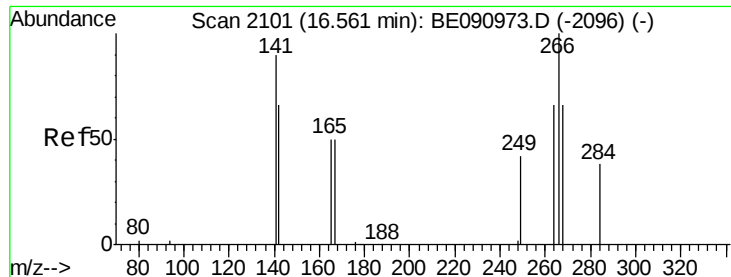


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.05 ng

RT: 16.58 min Scan# 2101

Delta R.T. 0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

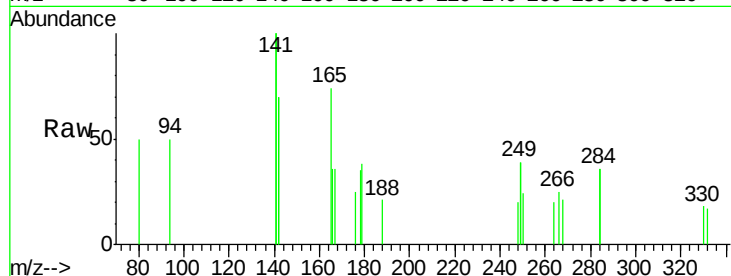
Tgt Ion:266 Resp: 99

Ion Ratio Lower Upper

266 100

268 84.1 58.2 87.2

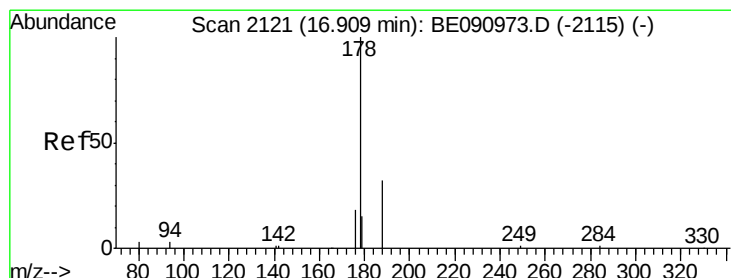
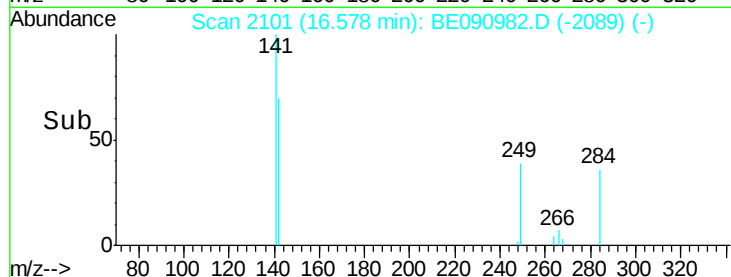
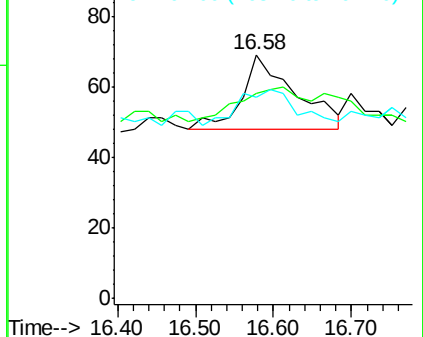
264 82.6 56.2 84.4



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: 4.38 ng

RT: 16.89 min Scan# 2119

Delta R.T. -0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

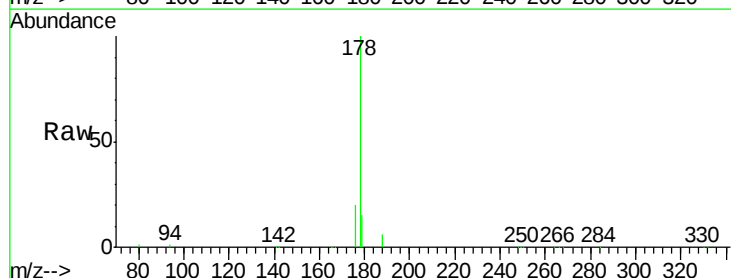
Tgt Ion:178 Resp: 176872

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

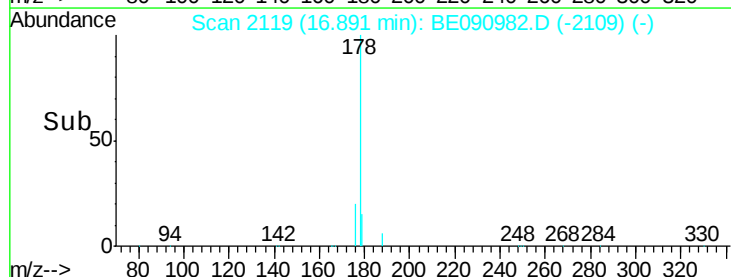
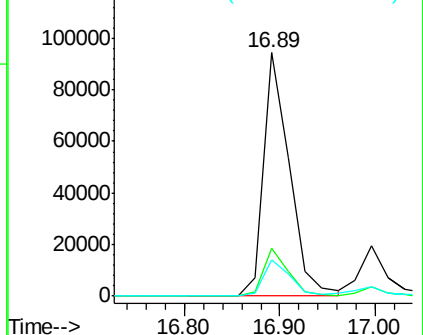
179 15.2 12.6 18.8

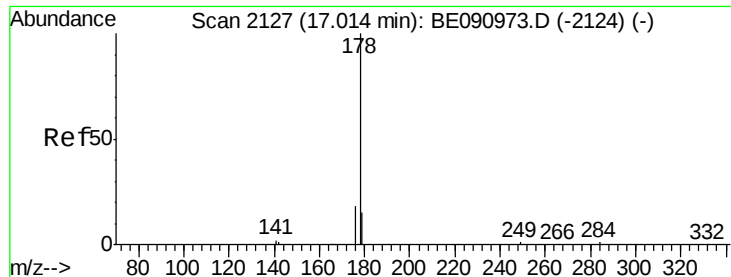


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 4.58 ng

RT: 16.89 min Scan# 2119

Delta R.T. -0.12 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

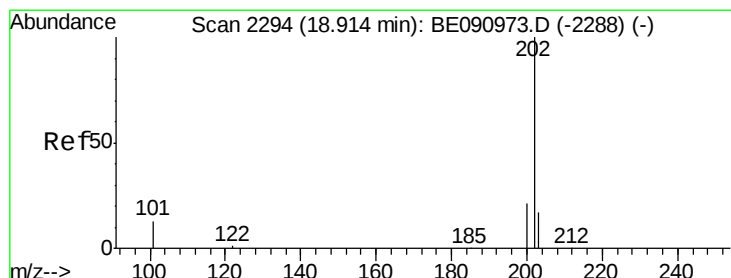
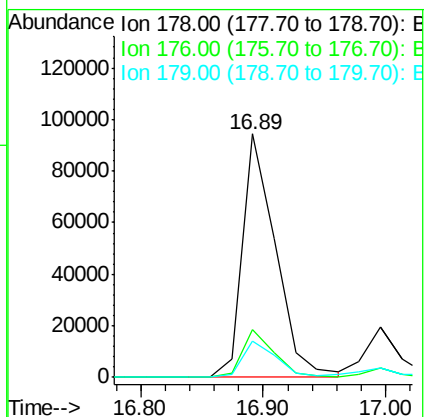
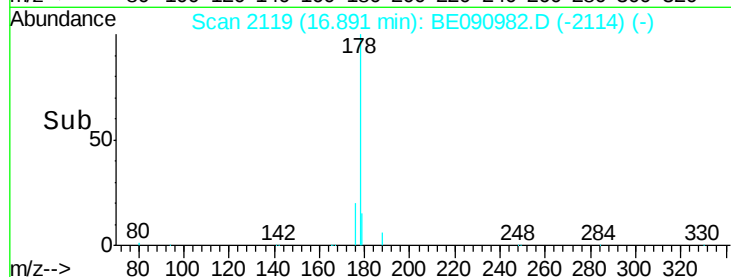
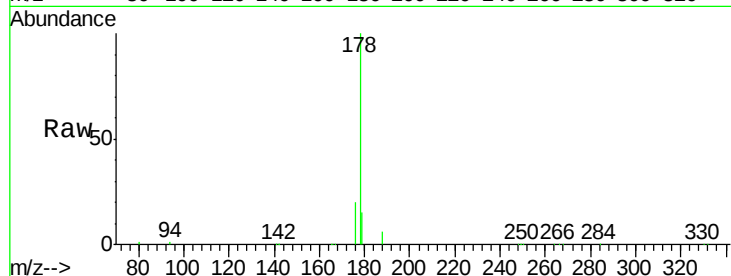
Tgt Ion:178 Resp: 176709

Ion Ratio Lower Upper

178 100

176 19.2 14.6 21.8

179 15.1 11.8 17.6



#25

Fluoranthene

Concen: 5.46 ng

RT: 18.90 min Scan# 2291

Delta R.T. -0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

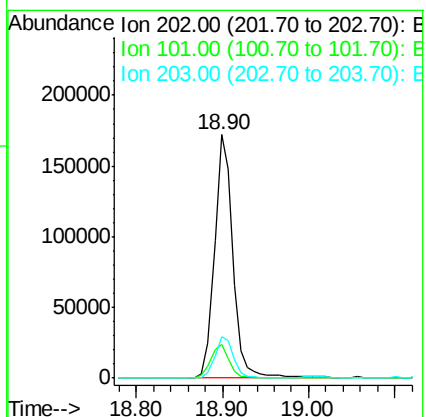
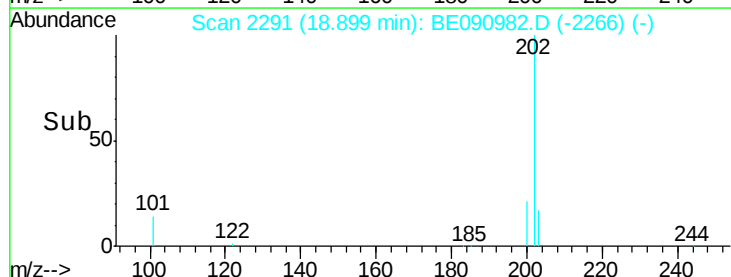
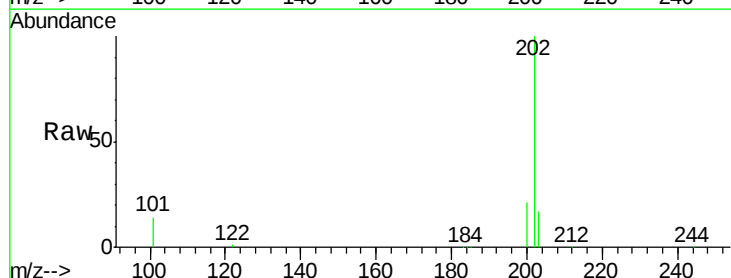
Tgt Ion:202 Resp: 251445

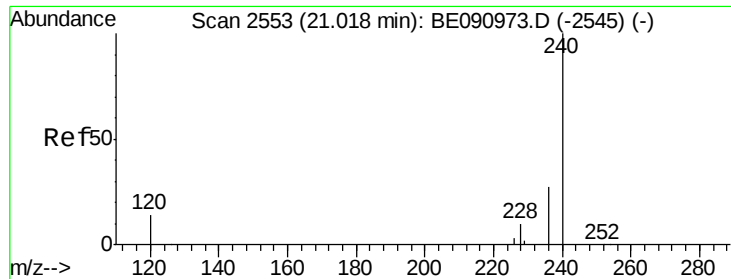
Ion Ratio Lower Upper

202 100

101 13.9 11.0 16.6

203 17.0 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: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

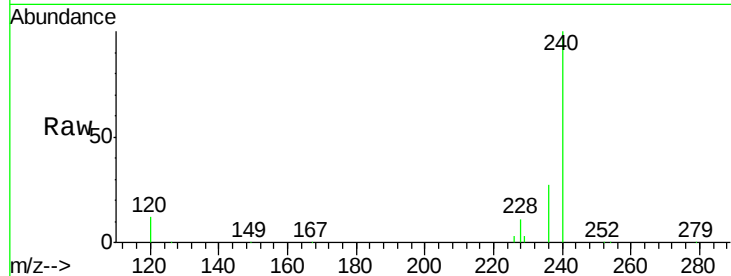
Tgt Ion:240 Resp: 233693

Ion Ratio Lower Upper

240 100

120 11.7 11.0 16.4

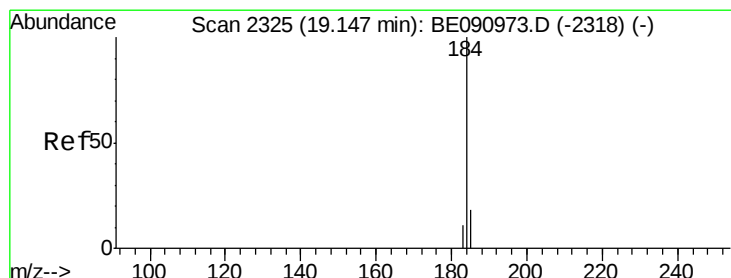
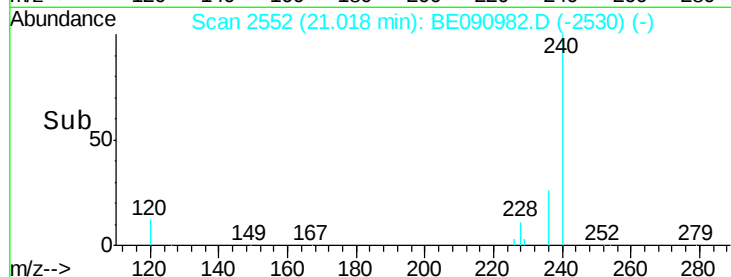
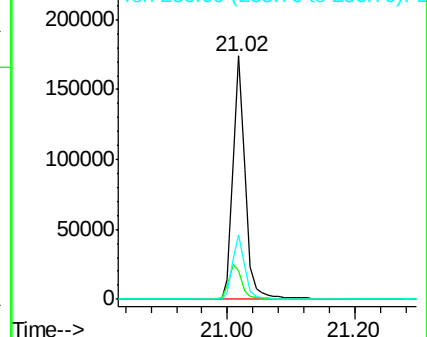
236 26.5 21.7 32.5



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



#27

Benzidine

Concen: Below Cal

RT: 19.21 min Scan# 2333

Delta R.T. 0.07 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

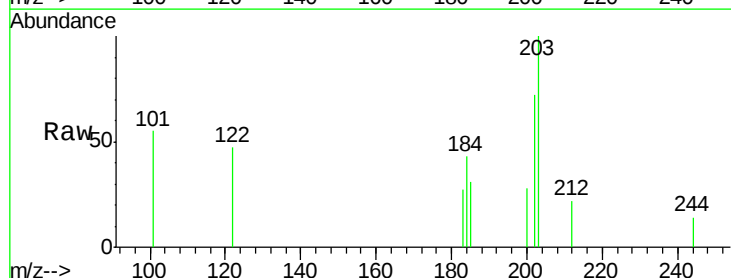
Tgt Ion:184 Resp: 206

Ion Ratio Lower Upper

184 100

185 72.8 22.3 33.5#

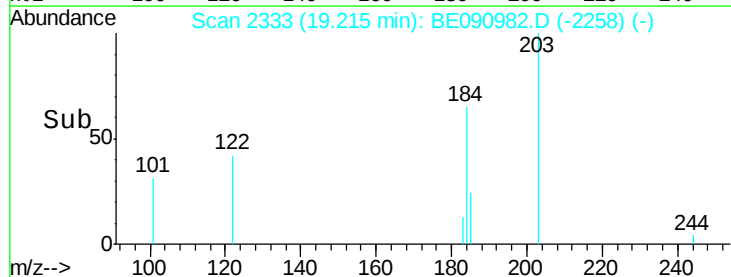
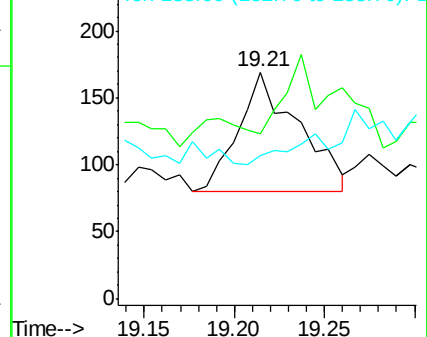
183 63.3 16.4 24.6#

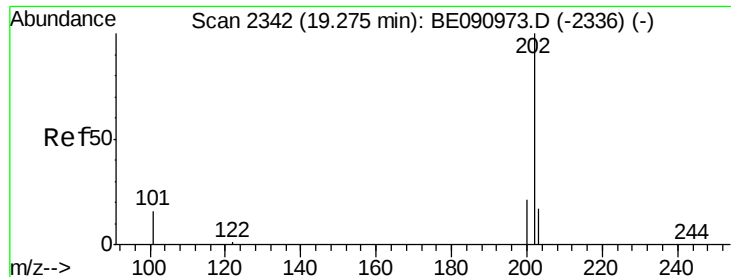


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

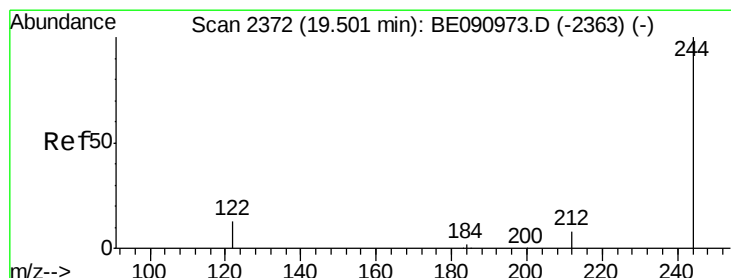
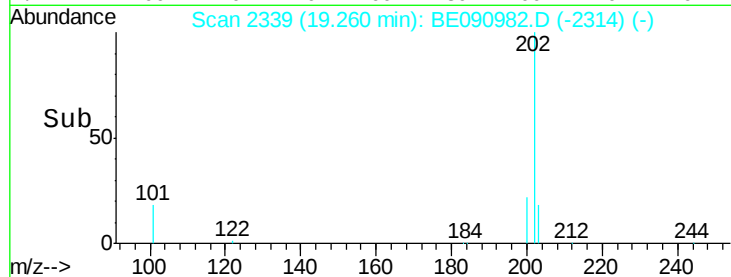
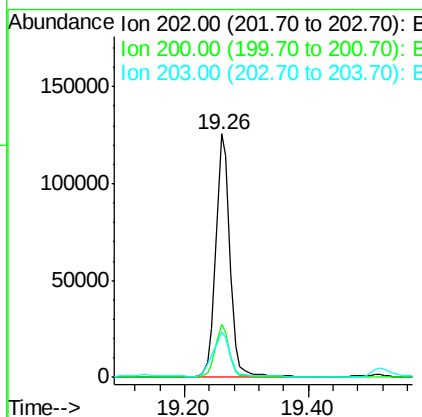
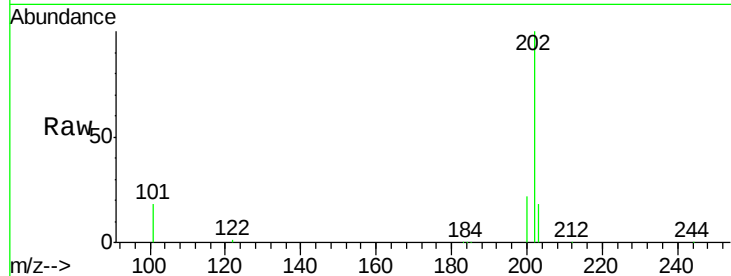




#28
 Pyrene
 Concen: 3.70 ng
 RT: 19.26 min Scan# 2339
 Delta R.T. -0.02 min
 Lab File: BE090982.D
 Acq: 30 Sep 2015 17:07

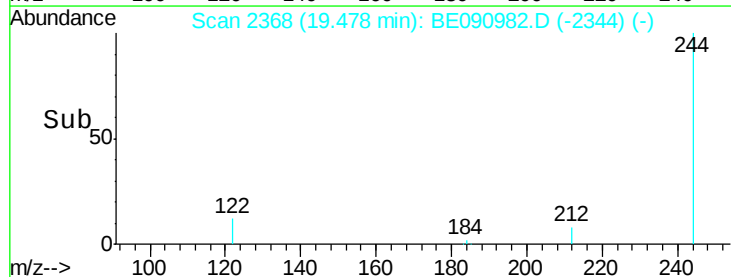
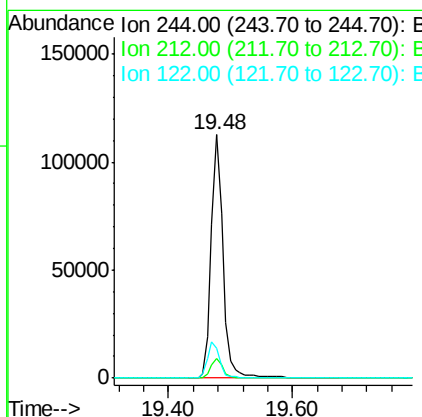
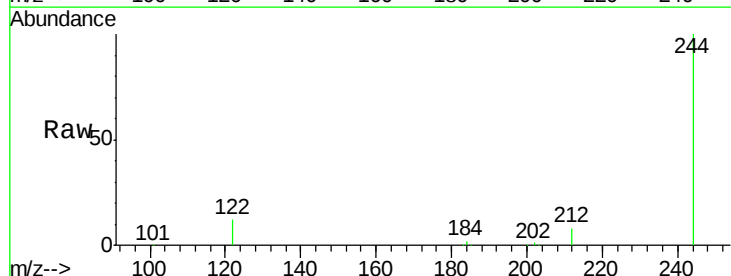
Instrument :
 BNA_E
 ClientSampleId :
 S39-9002

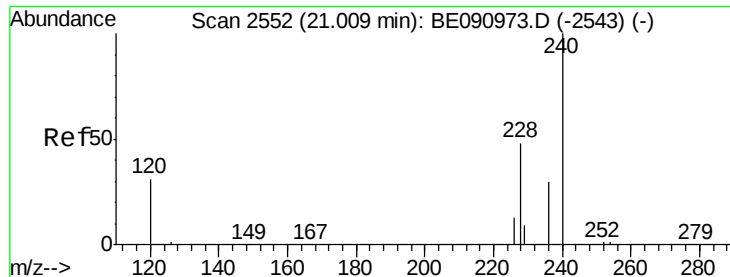
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	22.1	14.0	21.0



#29
 Terphenyl-d14
 Concen: 5.17 ng
 RT: 19.48 min Scan# 2368
 Delta R.T. -0.02 min
 Lab File: BE090982.D
 Acq: 30 Sep 2015 17:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.9	10.3
122	12.3	11.0	16.4





#30

Benzo(a)anthracene

Concen: 2.41 ng

RT: 21.00 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

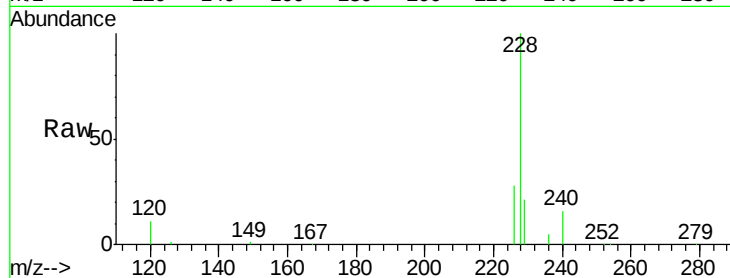
Tgt Ion: 228 Resp: 125256

Ion Ratio Lower Upper

228 100

226 27.9 21.0 31.4

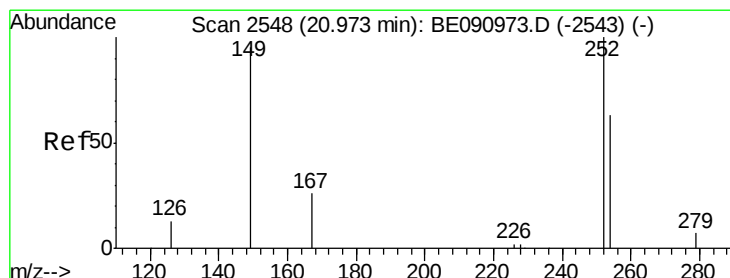
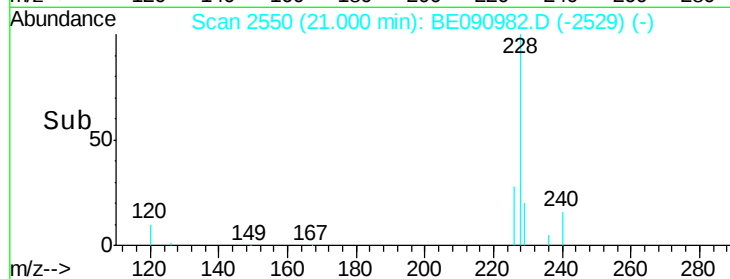
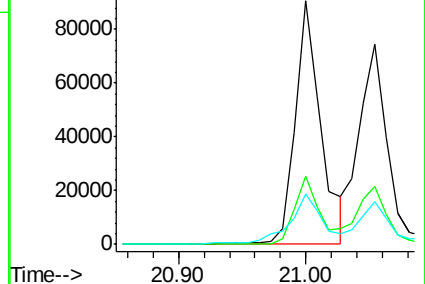
229 20.6 15.7 23.5



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: 0.03 ng

RT: 20.95 min Scan# 2545

Delta R.T. -0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

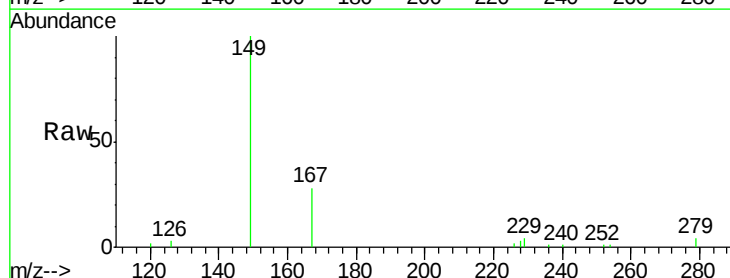
Tgt Ion: 252 Resp: 66

Ion Ratio Lower Upper

252 100

254 57.5 51.1 76.7

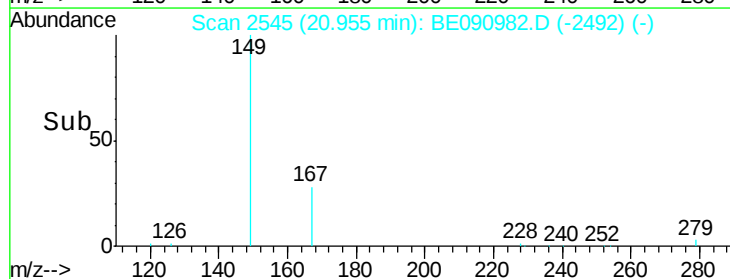
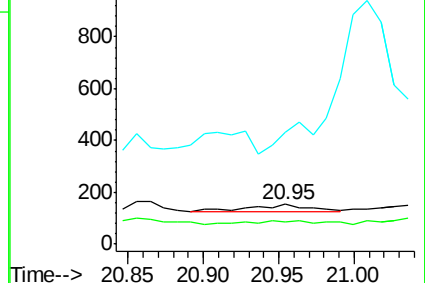
126 283.7 12.6 18.8#

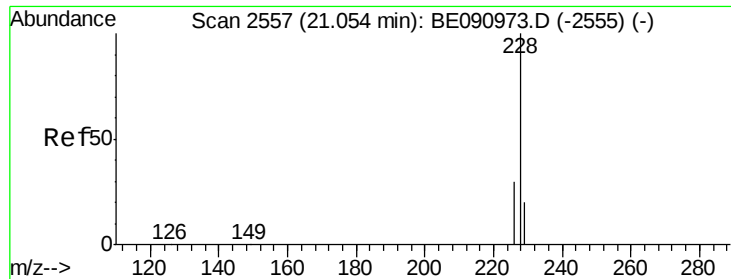


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 2.02 ng

RT: 21.05 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

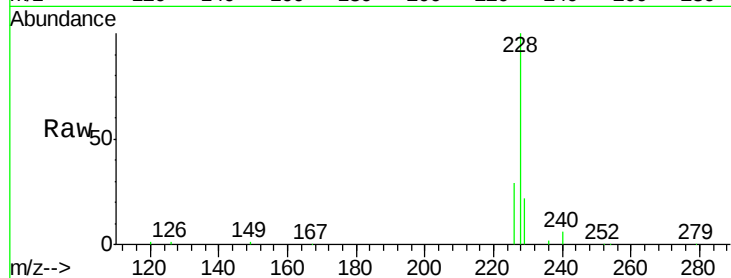
Tgt Ion:228 Resp: 115159

Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

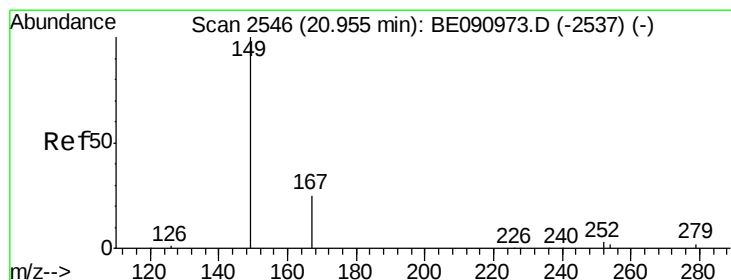
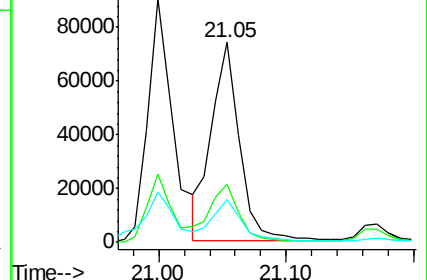
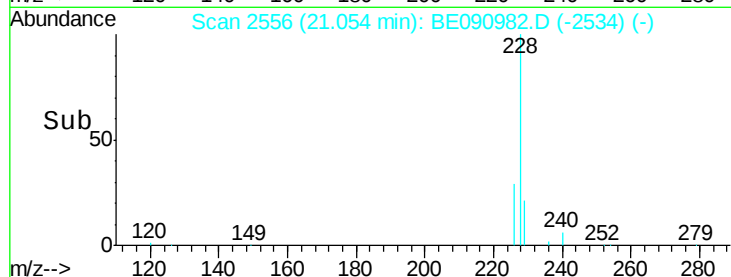
229 21.6 15.9 23.9



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 1.06 ng

RT: 20.95 min Scan# 2545

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

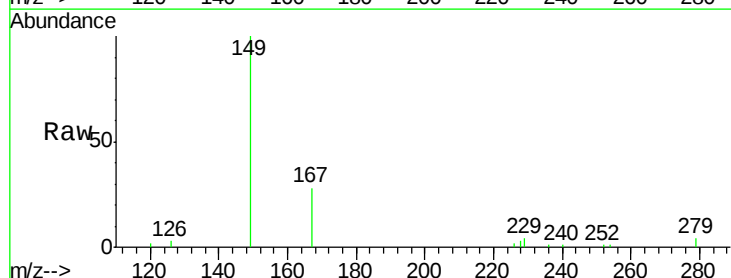
Tgt Ion:149 Resp: 18356

Ion Ratio Lower Upper

149 100

167 26.1 19.5 29.3

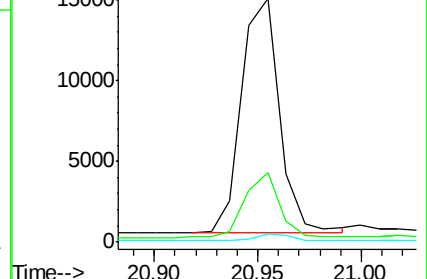
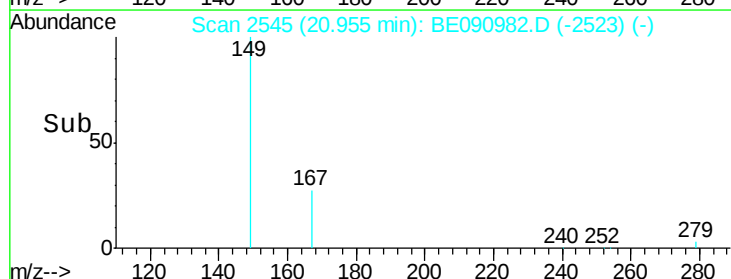
279 3.0 2.3 3.5

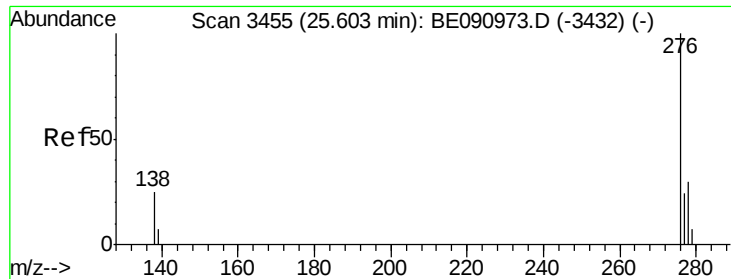


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.87 ng

RT: 25.59 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

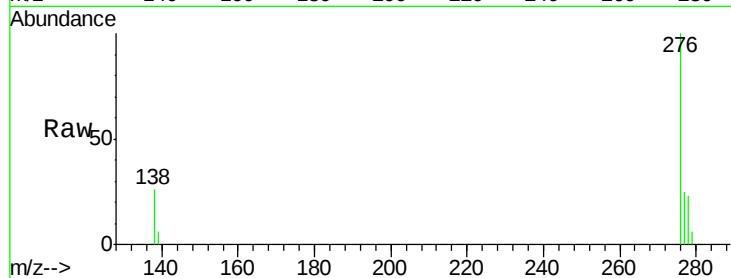
Tgt Ion:276 Resp: 45478

Ion Ratio Lower Upper

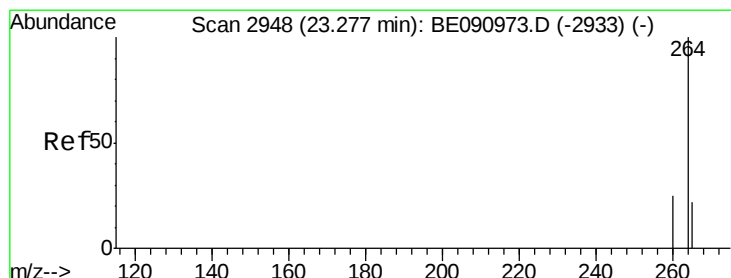
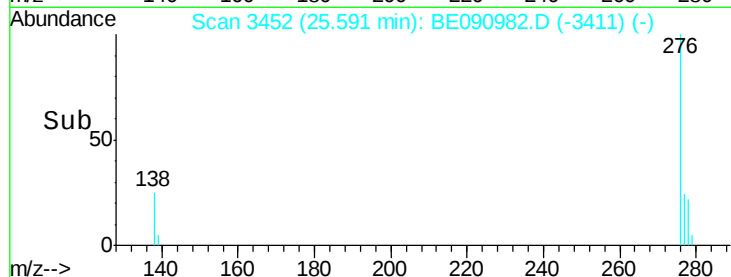
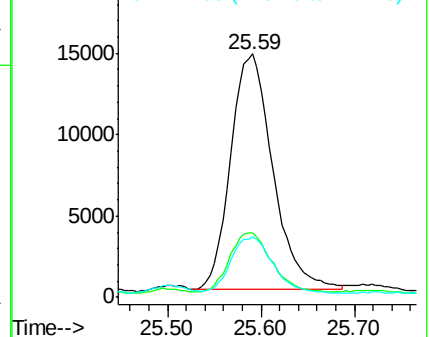
276 100

138 24.8 23.4 35.2

277 23.7 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# 2947

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

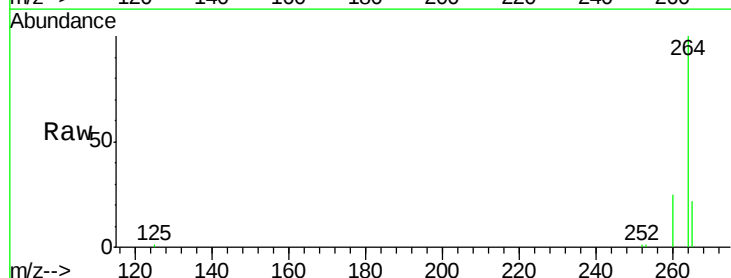
Tgt Ion:264 Resp: 217410

Ion Ratio Lower Upper

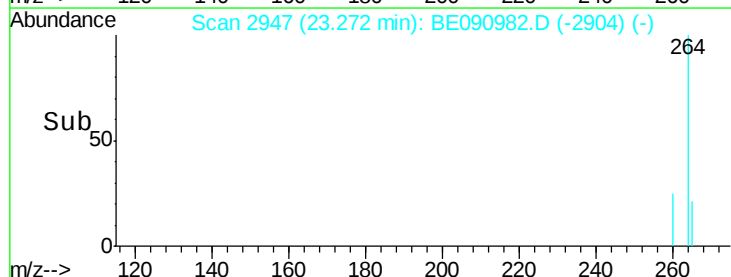
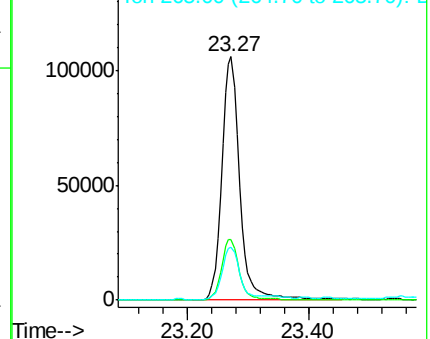
264 100

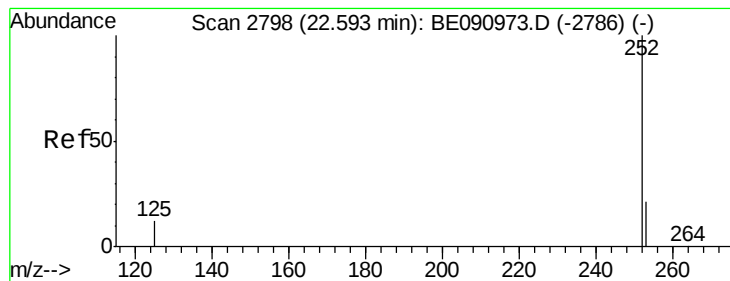
260 25.0 20.0 30.0

265 21.8 17.5 26.3



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





#36

Benzo(b)fluoranthene

Concen: 2.45 ng

RT: 22.59 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

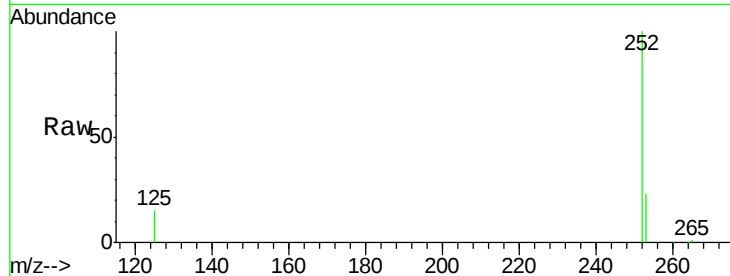
Tgt Ion:252 Resp: 117371

Ion Ratio Lower Upper

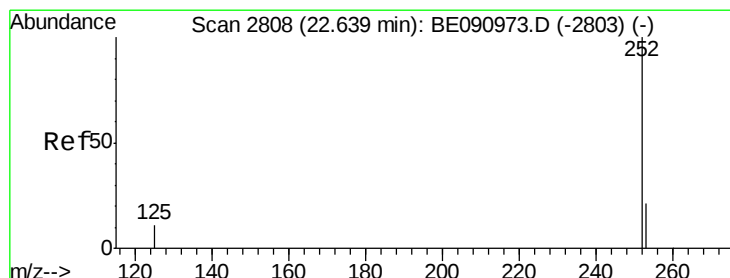
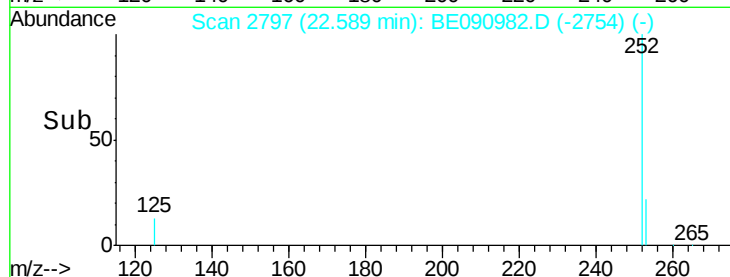
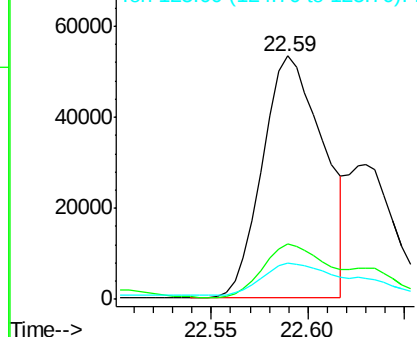
252 100

253 22.9 17.4 26.0

125 14.9 10.2 15.2



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



#37

Benzo(k)fluoranthene

Concen: 1.97 ng

RT: 22.59 min Scan# 2797

Delta R.T. -0.05 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

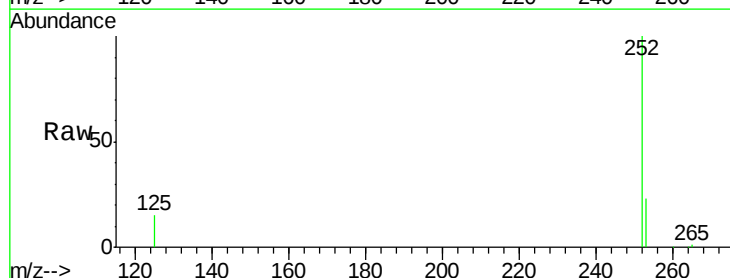
Tgt Ion:252 Resp: 117371

Ion Ratio Lower Upper

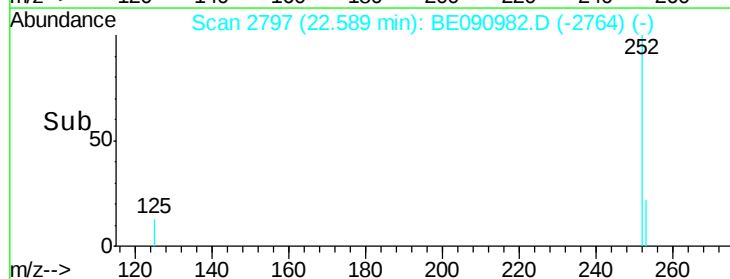
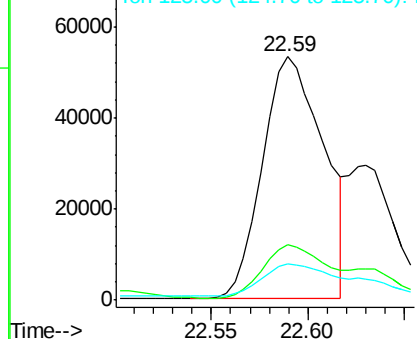
252 100

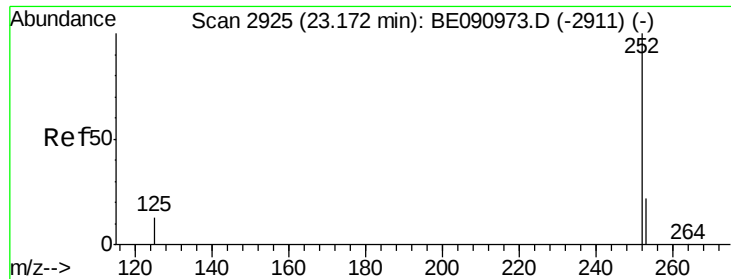
253 22.9 17.6 26.4

125 14.9 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: 1.70 ng

RT: 23.17 min Scan# 2924

Delta R.T. -0.00 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002

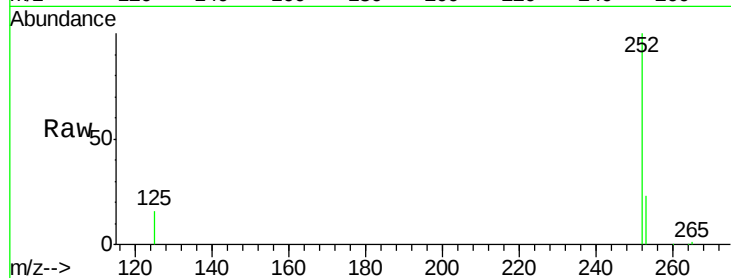
Tgt Ion: 252 Resp: 75687

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

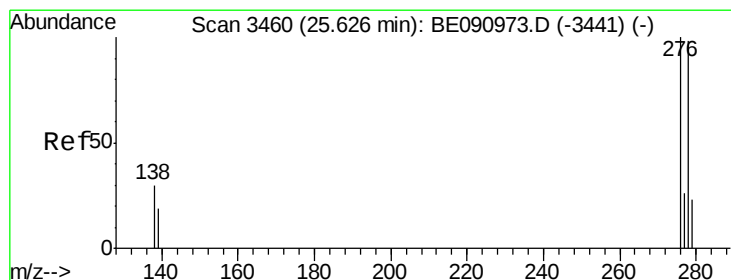
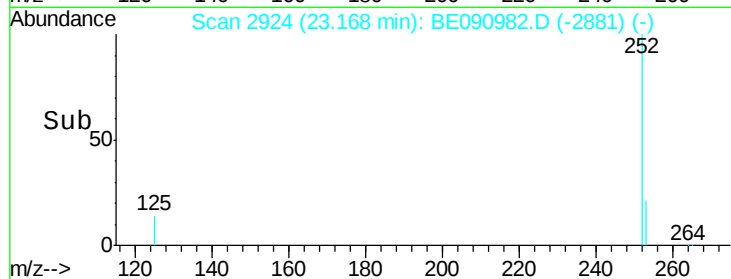
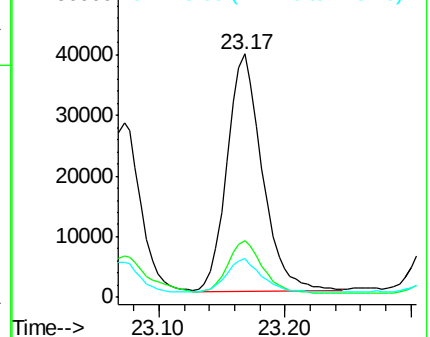
125 15.8 11.0 16.4



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: 0.28 ng

RT: 25.60 min Scan# 3455

Delta R.T. -0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

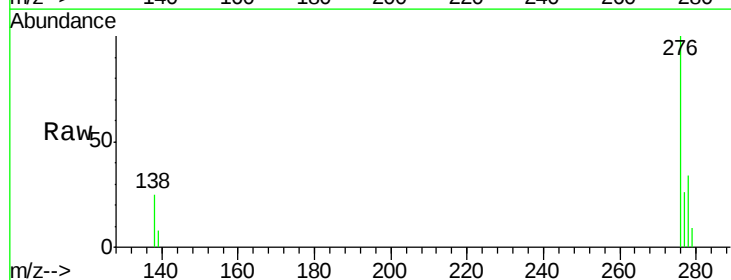
Tgt Ion: 278 Resp: 12441

Ion Ratio Lower Upper

278 100

139 23.1 16.0 24.0

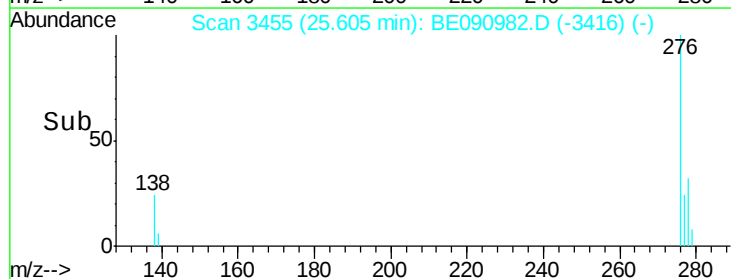
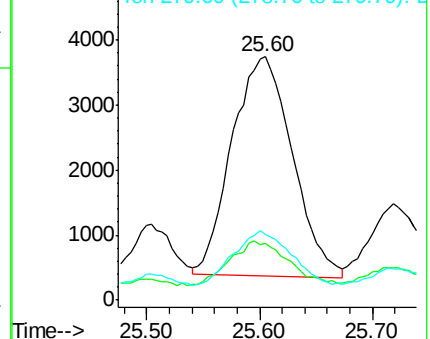
279 27.2 19.4 29.2

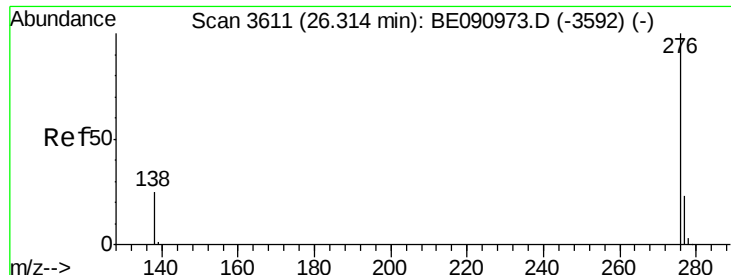


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.92 ng

RT: 26.30 min Scan# 3608

Delta R.T. -0.01 min

Lab File: BE090982.D

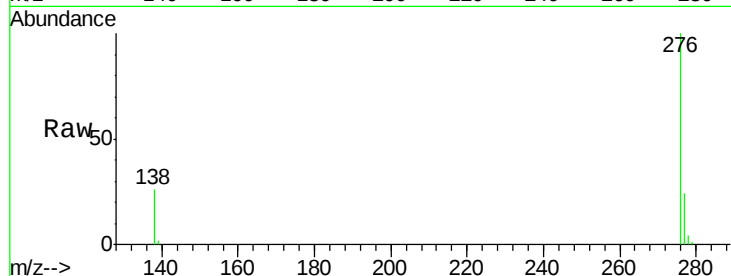
Acq: 30 Sep 2015 17:07

Instrument :

BNA_E

ClientSampleId :

S39-9002



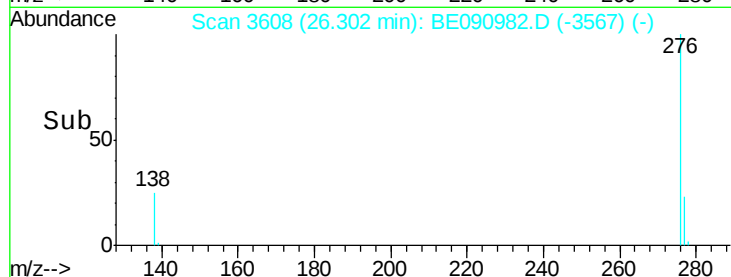
Tgt Ion: 276 Resp: 43869

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 26.1 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

