

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 03:03:54 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

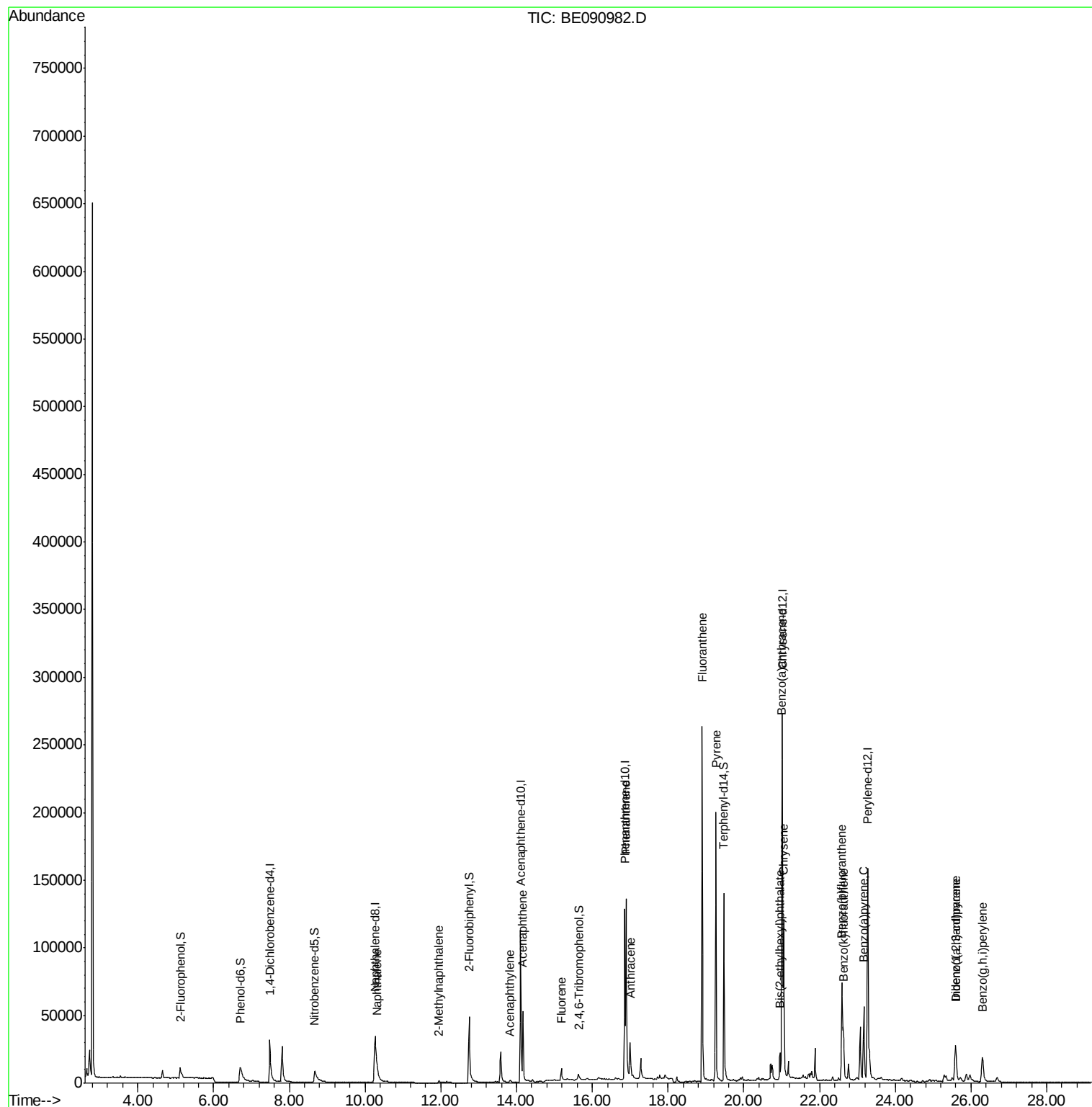
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	24343	5.00	ng	0.00
7) Naphthalene-d8	10.26	136	107520	5.00	ng	0.01
13) Acenaphthene-d10	14.11	164	67915	5.00	ng	0.00
19) Phenanthrene-d10	16.86	188	177500	5.00	ng	0.00
26) Chrysene-d12	21.02	240	233693	5.00	ng	0.00
35) Perylene-d12	23.27	264	217410	5.00	ng	0.00
System Monitoring Compounds						
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						Qvalue
10) Naphthalene	10.31	128	7216	0.27	ng	# 93
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
23) Phenanthrene	16.89	178	176872	4.38	ng	99
24) Anthracene	17.00	178	38300m	1.00	ng	
25) Fluoranthene	18.90	202	251445	5.46	ng	99
28) Pyrene	19.26	202	198923	3.70	ng	# 95
30) Benzo(a)anthracene	21.00	228	125256	2.41	ng	97
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	22.63	252	53889m	0.86	ng	
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

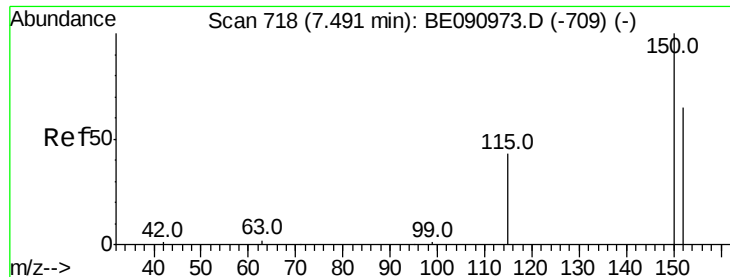
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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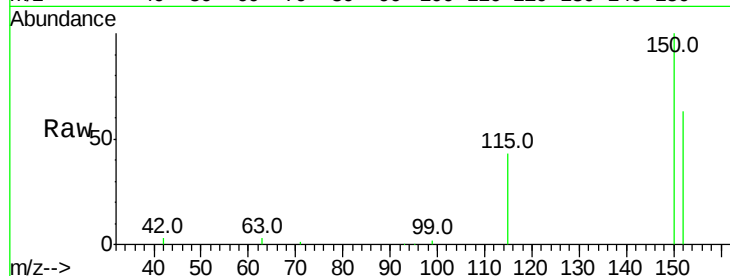


#1

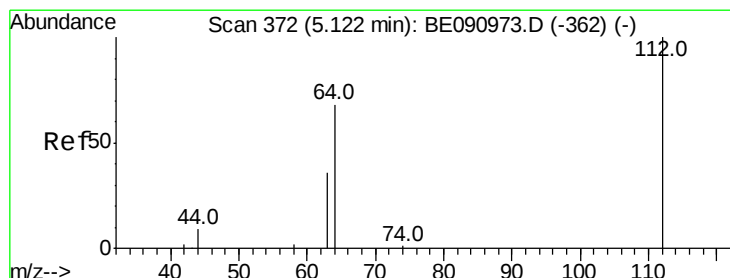
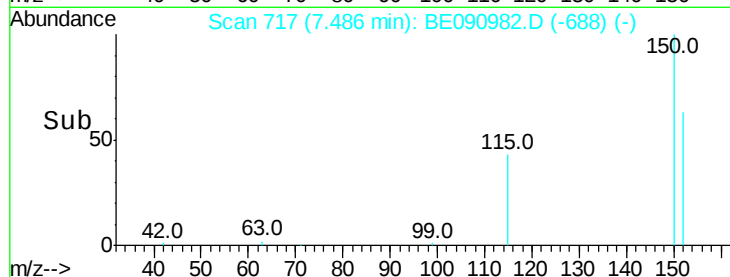
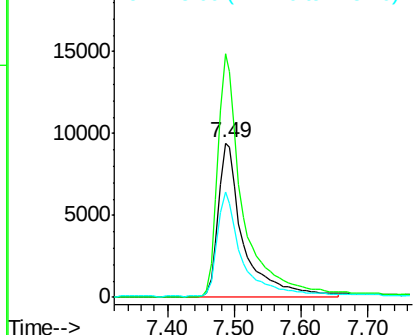
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.49 min Scan# 717
Delta R.T. -0.00 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

Instrument :
BNA_E
ClientSampleId :
S39-9002

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



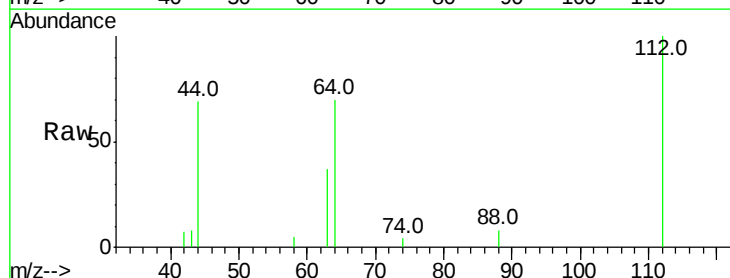
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



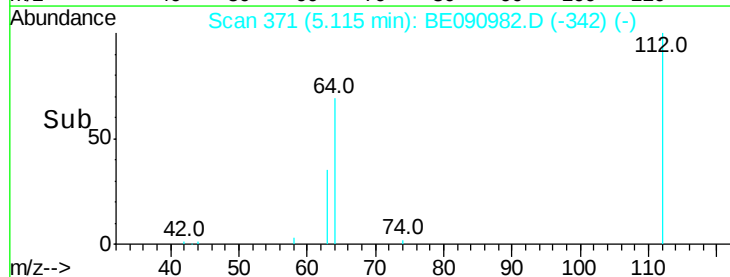
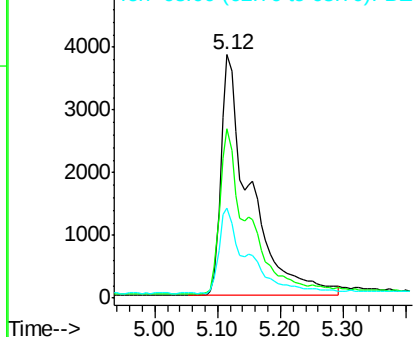
#4

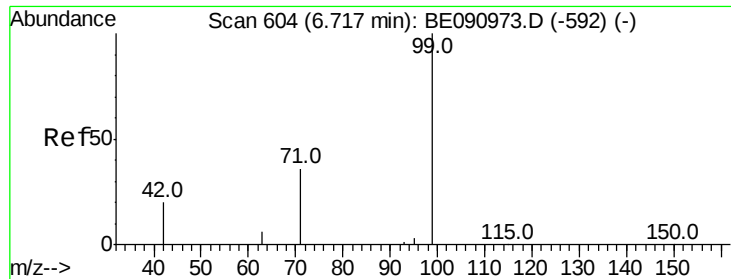
2-Fluorophenol
Concen: 2.52 ng
RT: 5.12 min Scan# 371
Delta R.T. -0.01 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

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): E
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

ClientSampleId :

S39-9002

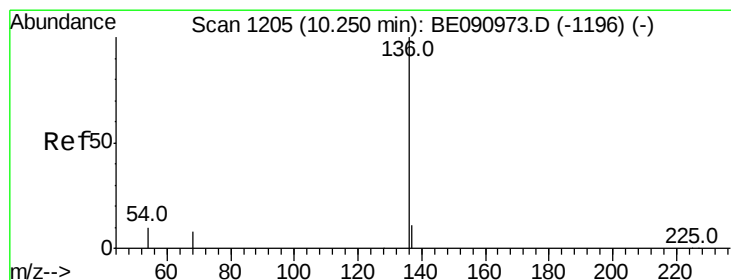
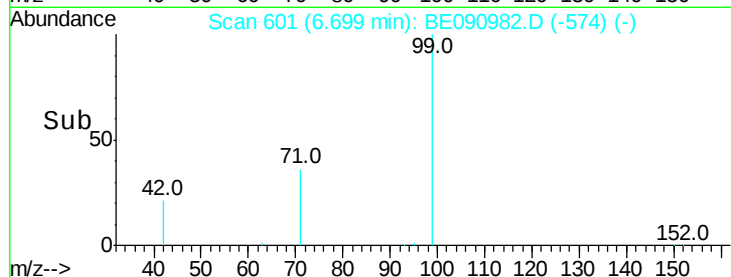
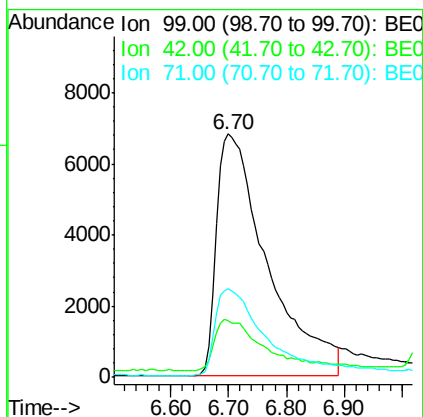
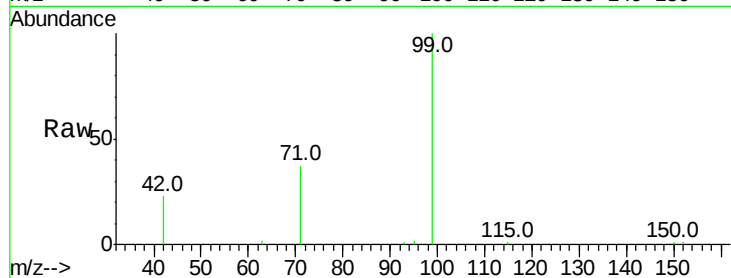
Tot Ion: 99 Resp: 41729

Ion Ratio Lower Upper

99 100

42 20.3 16.2 24.2

71 35.6 29.0 43.4



#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

Tgt Ion: 136 Resp: 107520

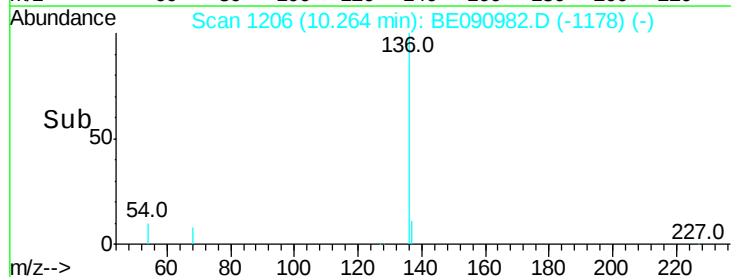
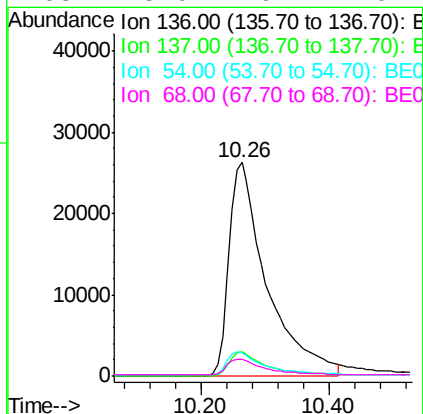
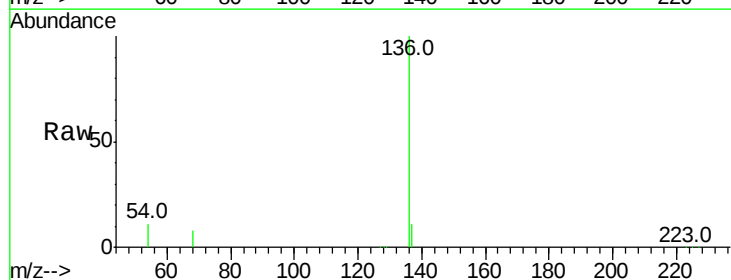
Ion Ratio Lower Upper

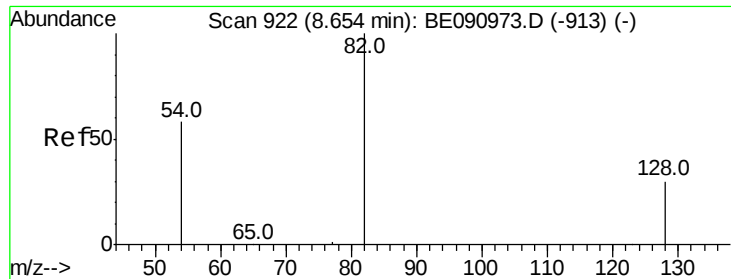
136 100

137 11.2 8.9 13.3

54 10.7 8.2 12.4

68 8.0 6.2 9.4





#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

Instrument :

BNA_E

ClientSampleId :

S39-9002

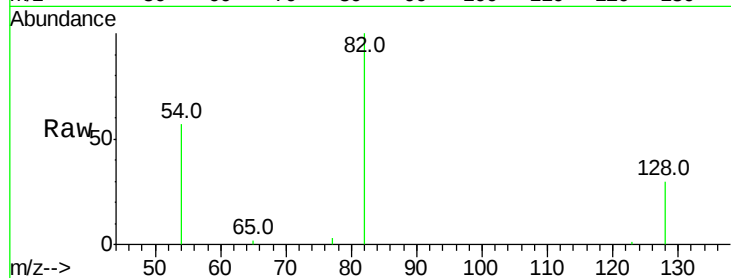
Tot Ion: 82 Resp: 25727

Ion Ratio Lower Upper

82 100

128 30.0 25.4 38.0

54 57.3 48.4 72.6

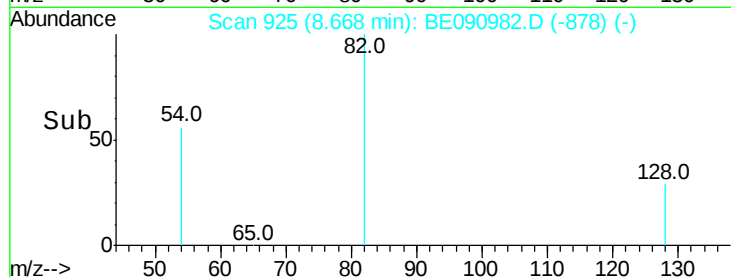


Abundance Ion 82.00 (81.70 to 82.70): BE090973.D (-913) (-)

Ion 128.00 (127.70 to 128.70): BE090973.D (-913) (-)

Ion 54.00 (53.70 to 54.70): BE090973.D (-913) (-)

Time-->



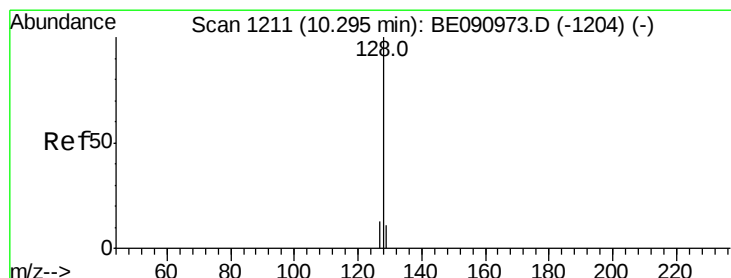
Abundance

Ion 82.00 (81.70 to 82.70): BE090973.D (-913) (-)

Ion 128.00 (127.70 to 128.70): BE090973.D (-913) (-)

Ion 54.00 (53.70 to 54.70): BE090973.D (-913) (-)

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

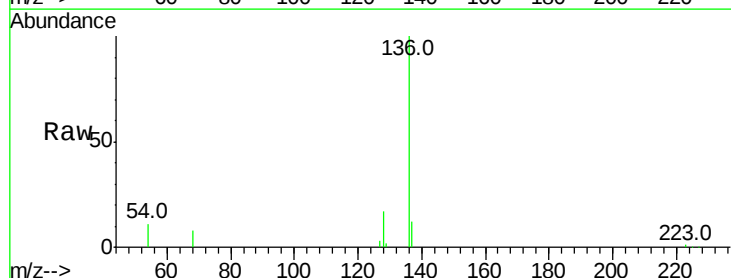
Tgt Ion: 128 Resp: 7216

Ion Ratio Lower Upper

128 100

129 14.7 9.3 13.9#

127 15.9 10.7 16.1

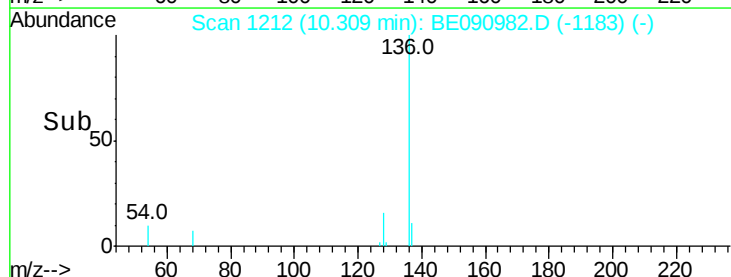


Abundance Ion 128.00 (127.70 to 128.70): BE090973.D (-1204) (-)

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

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

Time-->



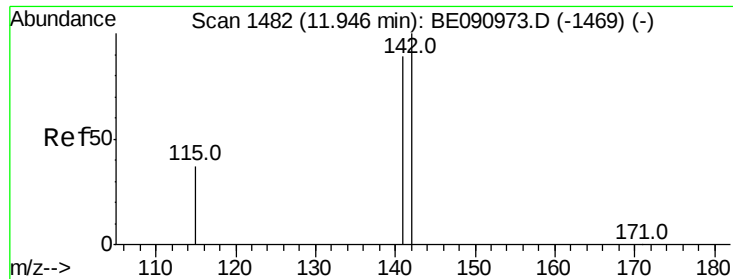
Abundance

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) (-)

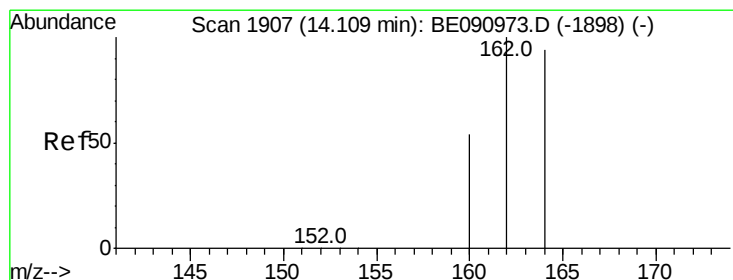
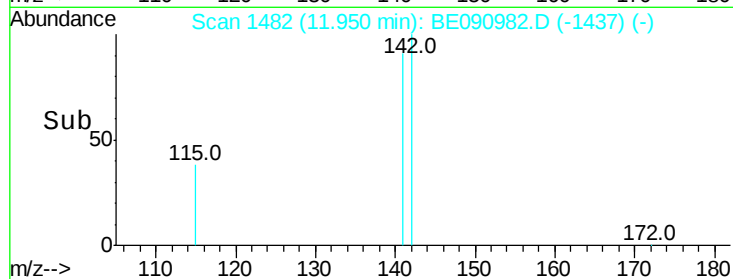
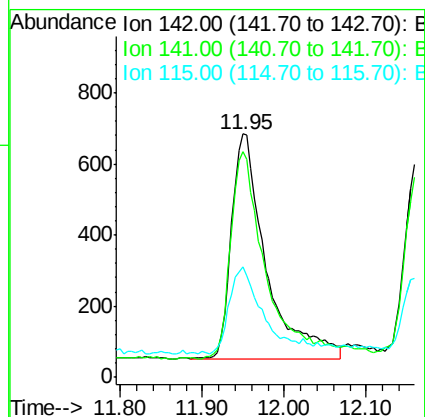
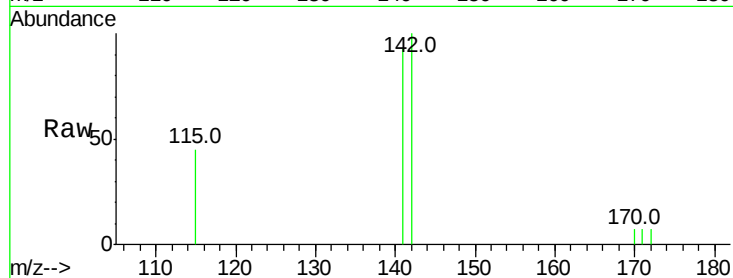
Time-->



#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

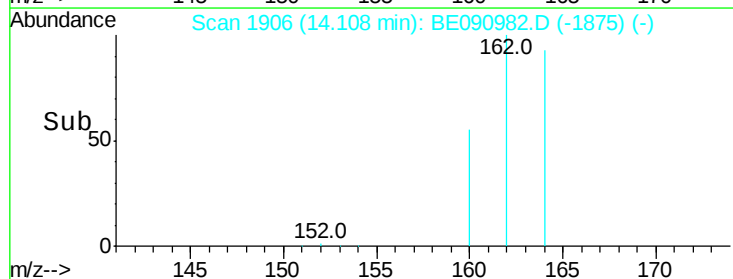
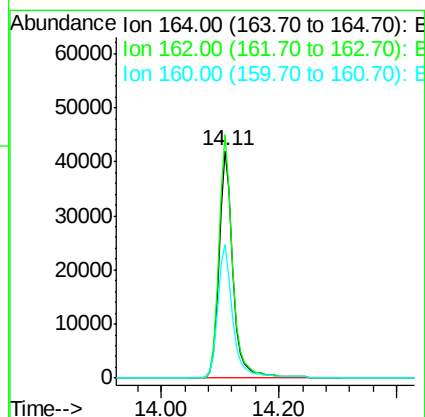
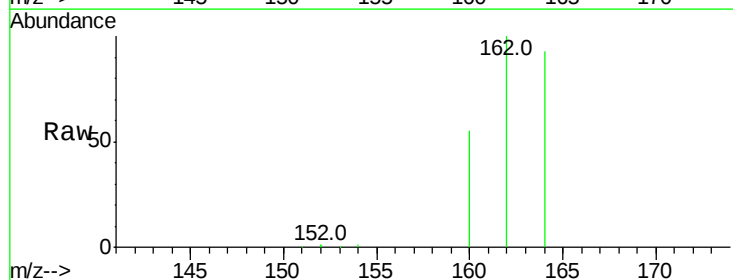
Instrument :
BNA_E
ClientSampleId :
S39-9002

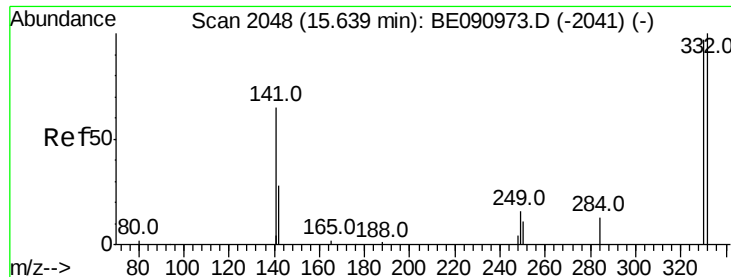
Tot Ion:142 Resp: 1869
Ion Ratio Lower Upper
142 100
141 92.8 71.4 107.0
115 45.1 30.3 45.5



#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

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

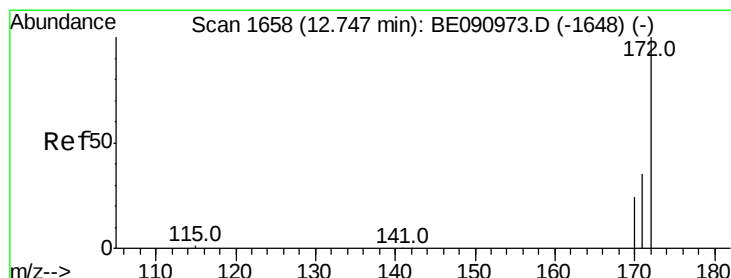
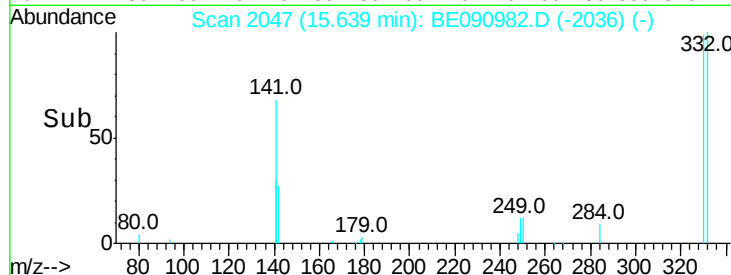
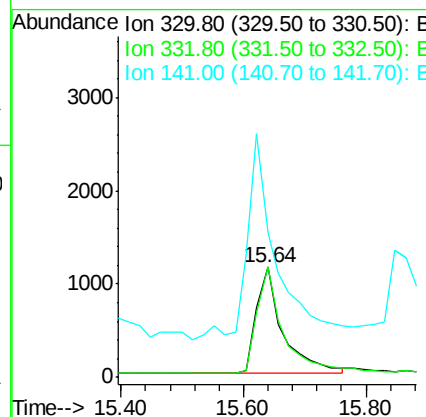
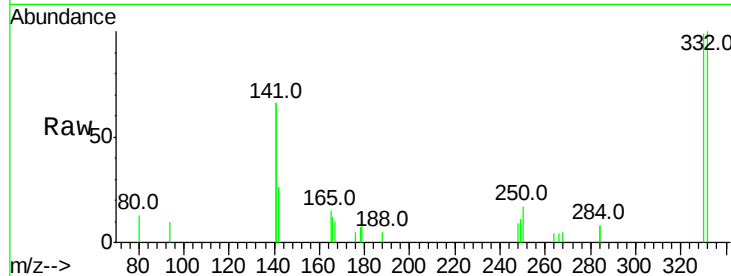




#14
 2,4,6-Tribromophenol
 Concen: 1.58 ng
 RT: 15.64 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: BE090982.D
 Acq: 30 Sep 2015 17:07

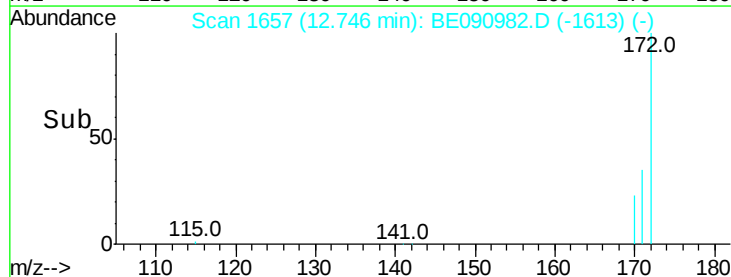
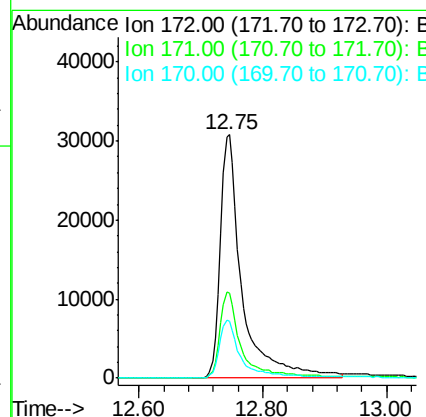
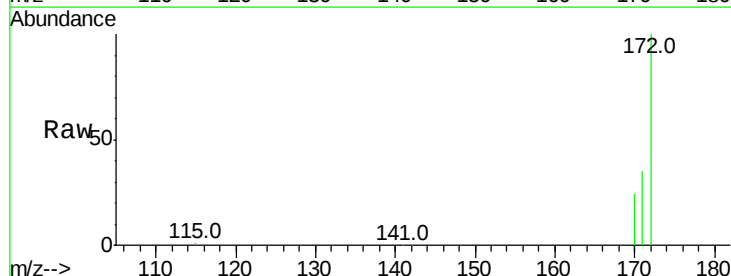
Instrument :
 BNA_E
 ClientSampled :
 S39-9002

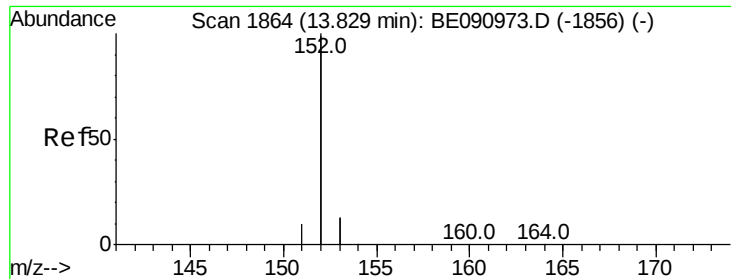
Tot Ion:330 Resp: 3384
 Ion Ratio Lower Upper
 330 100
 332 98.0 79.1 118.7
 141 216.2 125.4 188.0#



#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

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





#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

Instrument :

BNA_E

ClientSampleId :

S39-9002

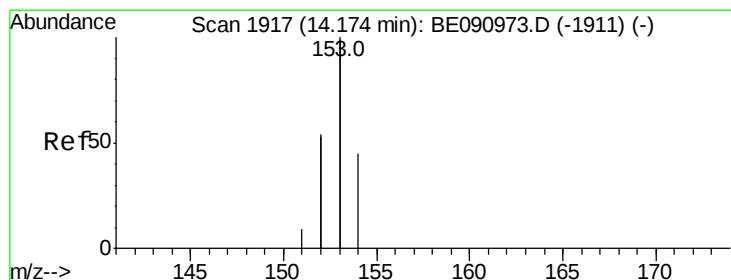
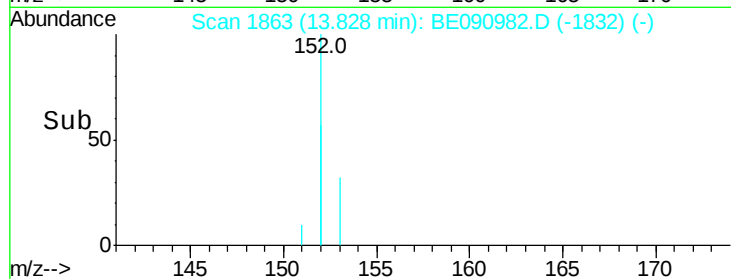
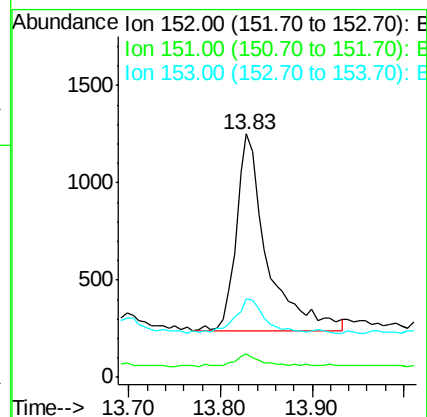
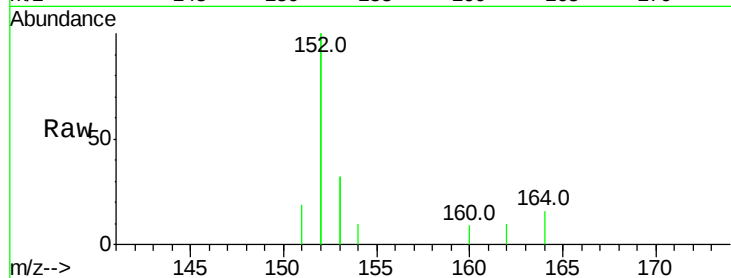
Tot Ion:152 Resp: 2333

Ion Ratio Lower Upper

152 100

151 5.3 3.9 5.9

153 16.4 10.3 15.5#



#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

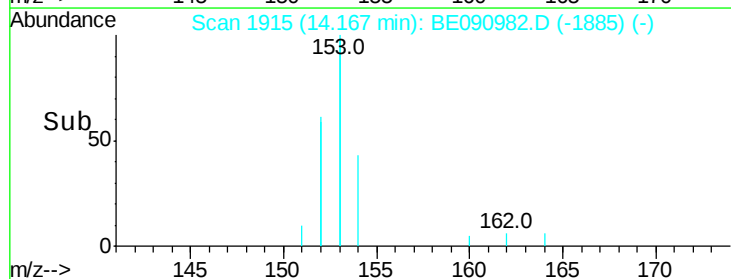
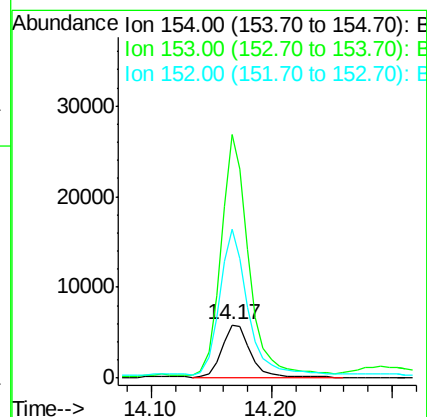
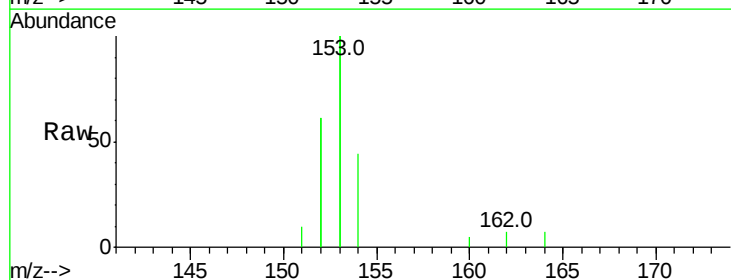
Tgt Ion:154 Resp: 9583

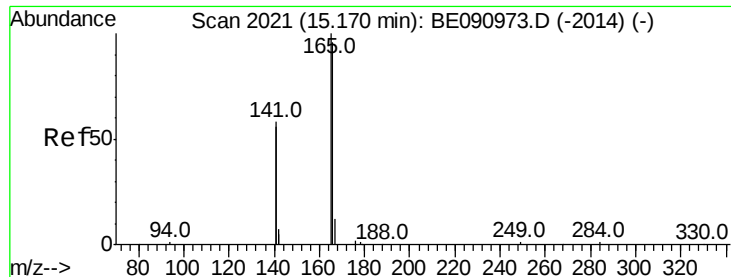
Ion Ratio Lower Upper

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

Instrument :

BNA_E

ClientSampleId :

S39-9002

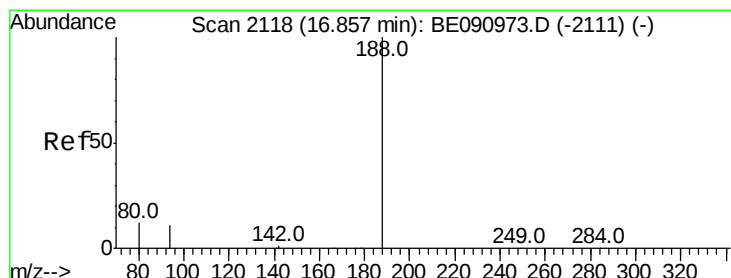
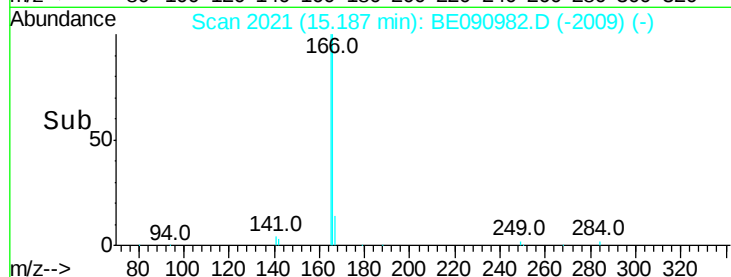
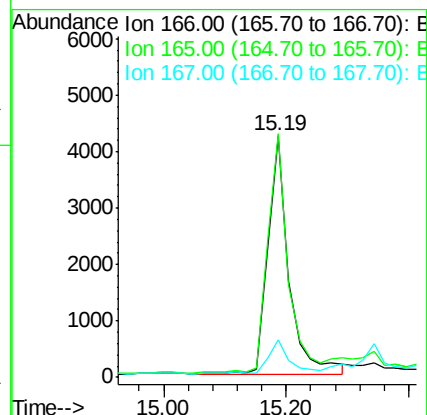
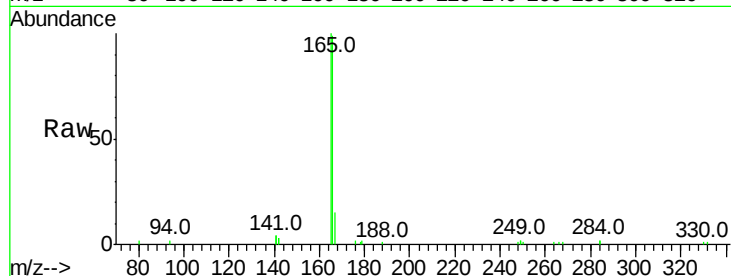
Tot Ion:166 Resp: 10092

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

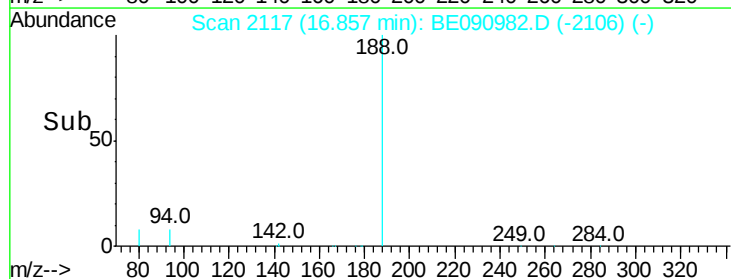
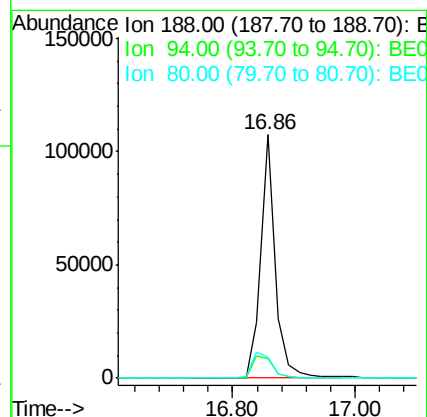
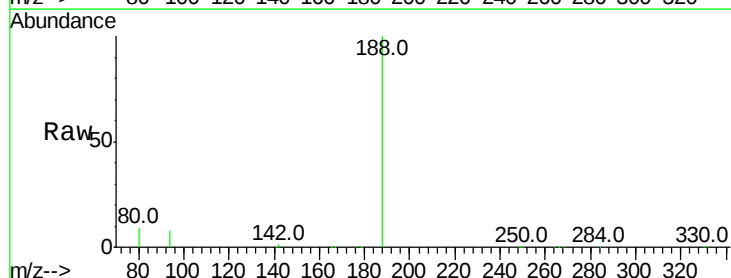
Tgt Ion:188 Resp: 177500

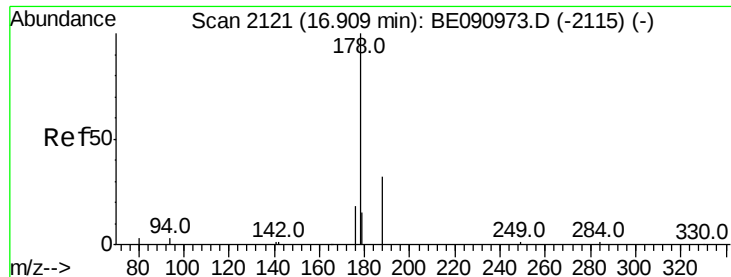
Ion Ratio Lower Upper

188 100

94 8.2 8.7 13.1#

80 8.6 9.4 14.0#





#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

Instrument :

BNA_E

ClientSampleId :

S39-9002

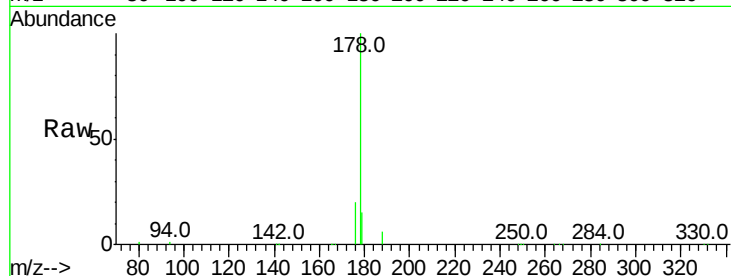
Tot Ion:178 Resp: 176872

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

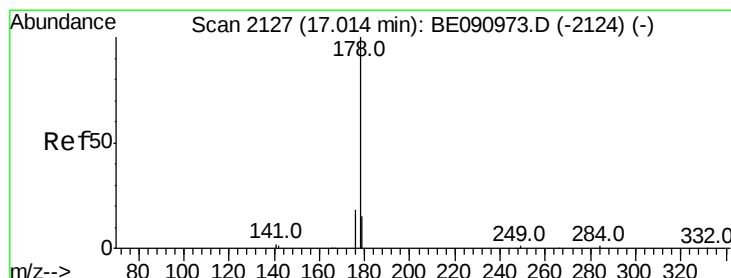
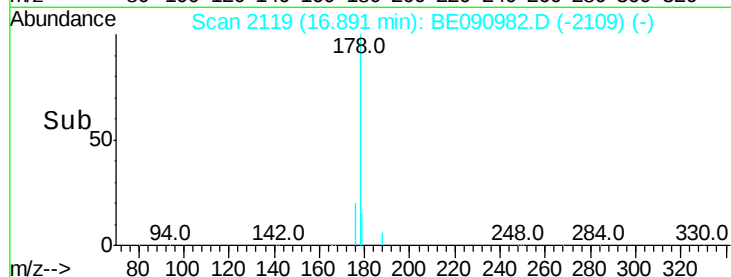
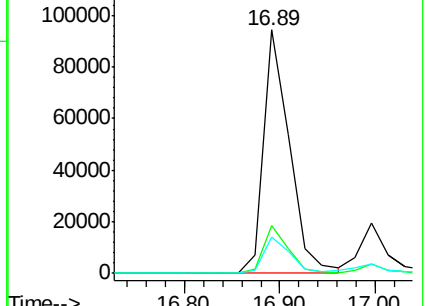
179 15.2 12.6 18.8



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: 1.00 ng m

RT: 17.00 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BE090982.D

Acq: 30 Sep 2015 17:07

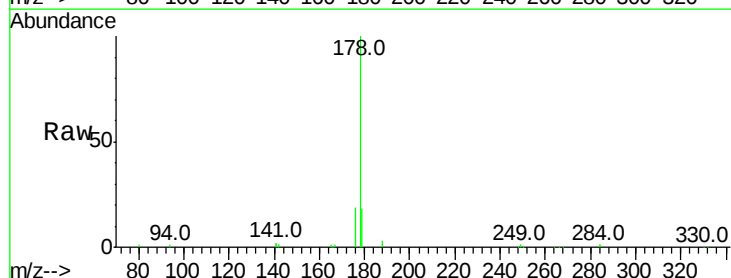
Tgt Ion:178 Resp: 38300

Ion Ratio Lower Upper

178 100

176 88.4 14.6 21.8#

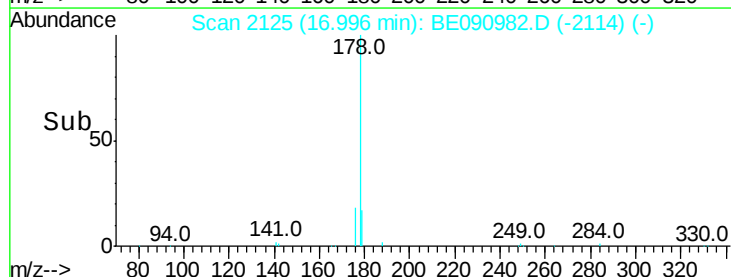
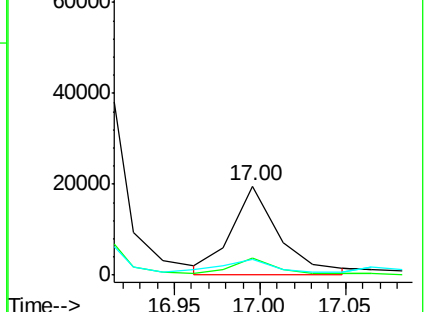
179 69.8 11.8 17.6#

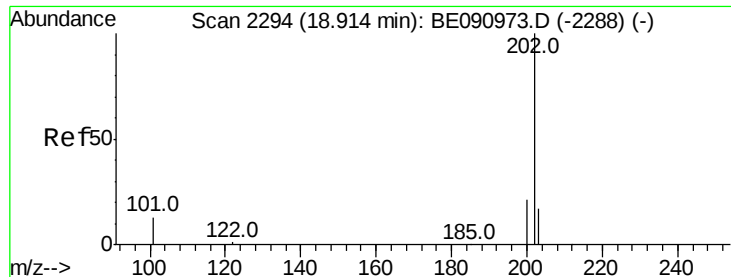


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

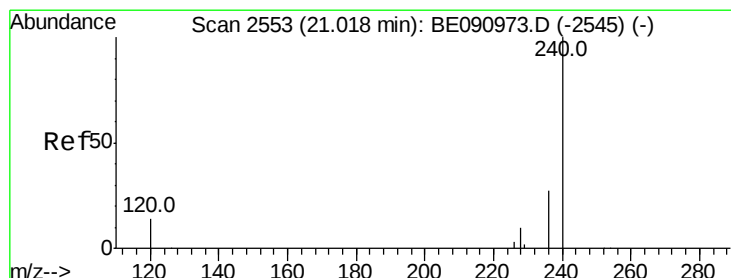
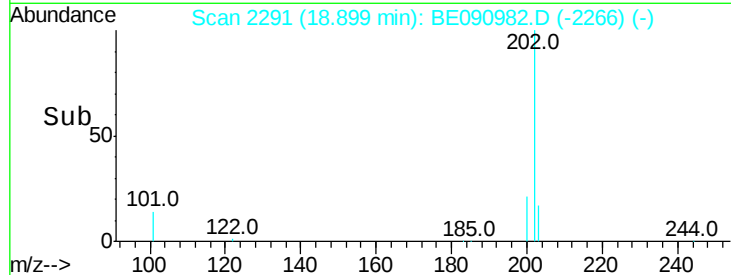
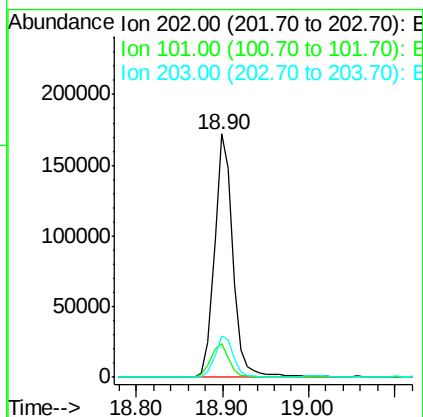
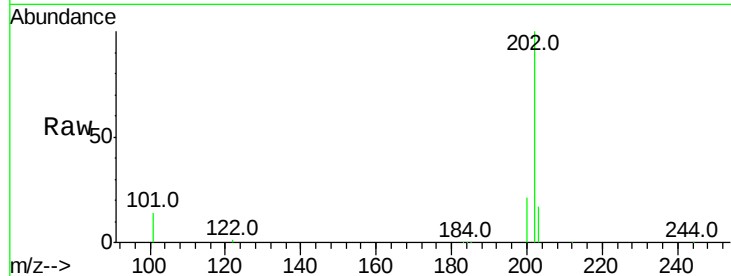




#25
 Fluoranthene
 Concen: 5.46 ng
 RT: 18.90 min Scan# 2291
 Delta R.T. -0.02 min
 Lab File: BE090982.D
 Acq: 30 Sep 2015 17:07

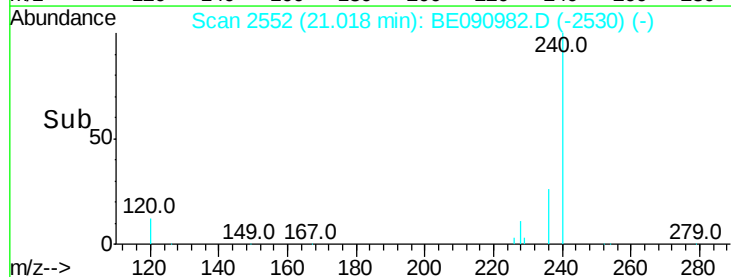
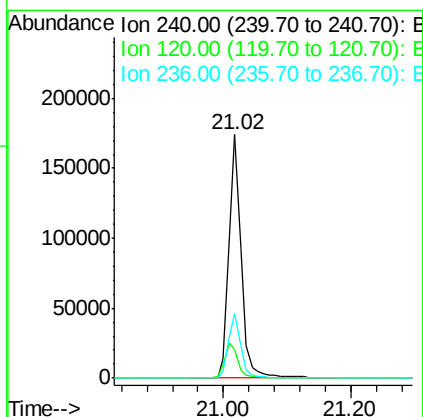
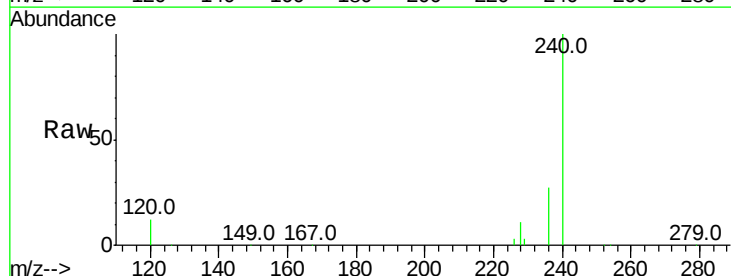
Instrument :
 BNA_E
 ClientSampleId :
 S39-9002

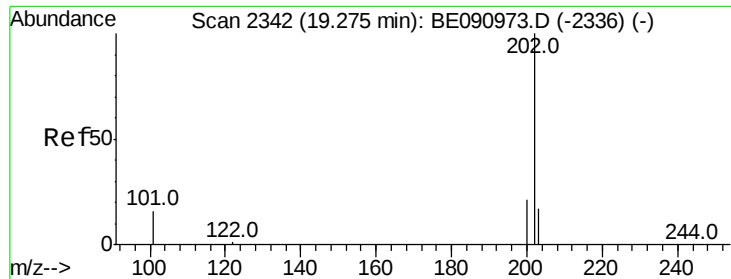
Tot Ion:202 Resp: 251445
 Ion Ratio Lower Upper
 202 100
 101 13.9 11.0 16.6
 203 17.0 13.9 20.9



#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

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

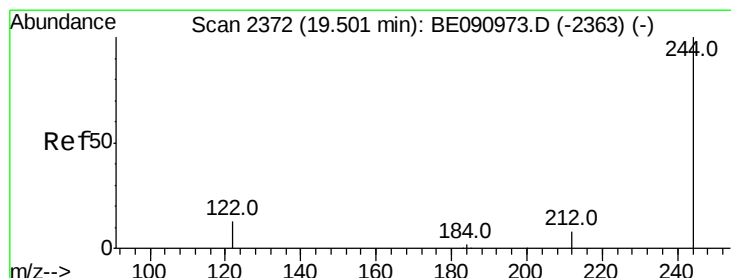
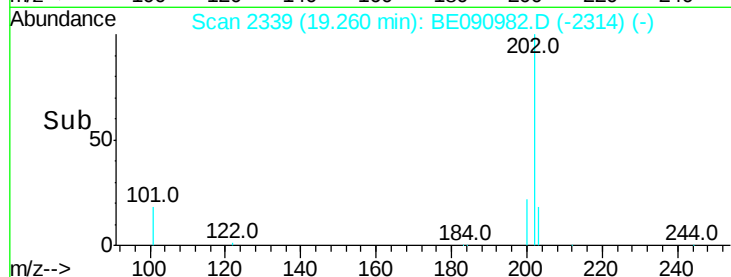
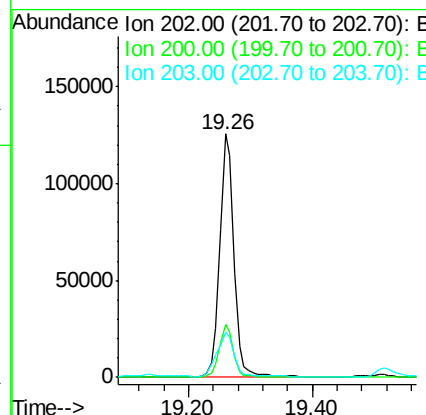
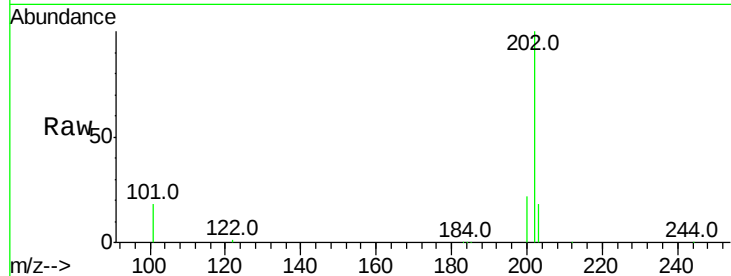




#28
Pvrene
Concen: 3.70 ng
RT: 19.26 min Scan# 2339
Delta R.T. -0.02 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

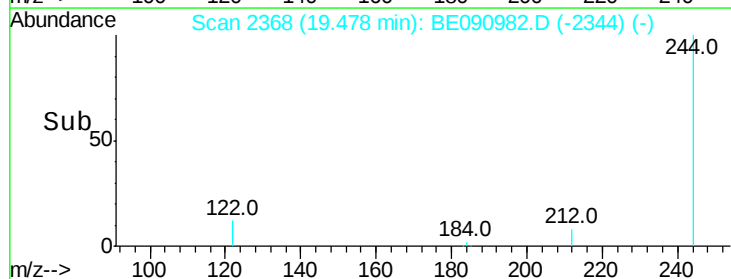
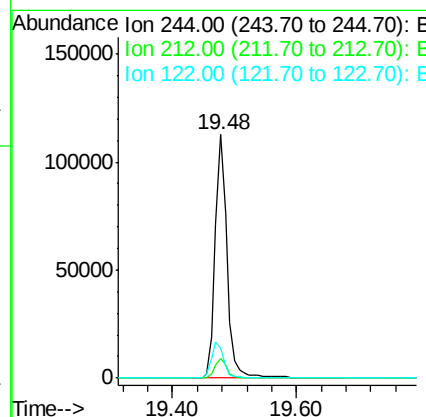
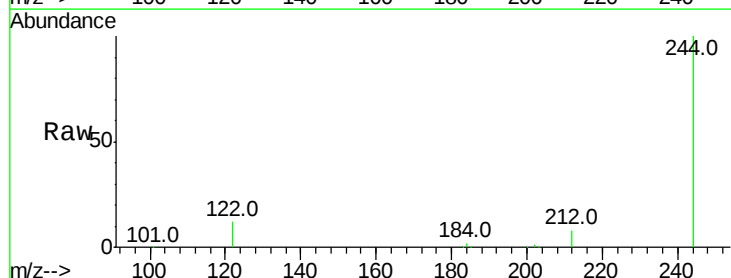
Instrument :
BNA_E
ClientSampleId :
S39-9002

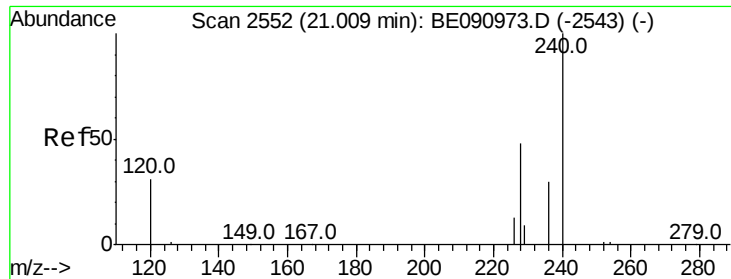
Tot Ion:202 Resp: 198923
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 22.1 14.0 21.0#



#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:244 Resp: 149196
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

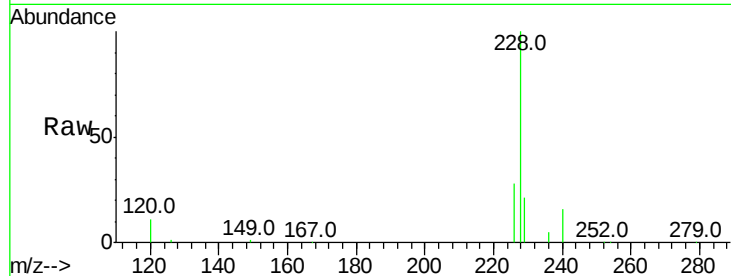
Tot Ion:228 Resp: 125256

Ion Ratio Lower Upper

228 100

226 27.9 21.0 31.4

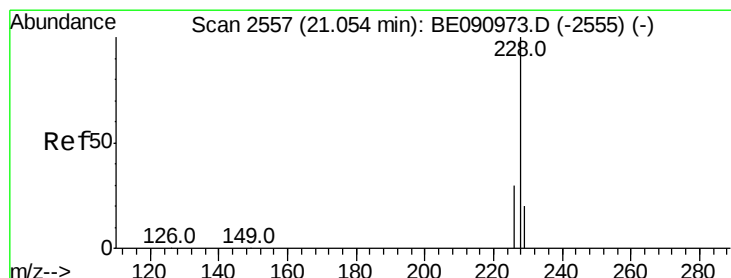
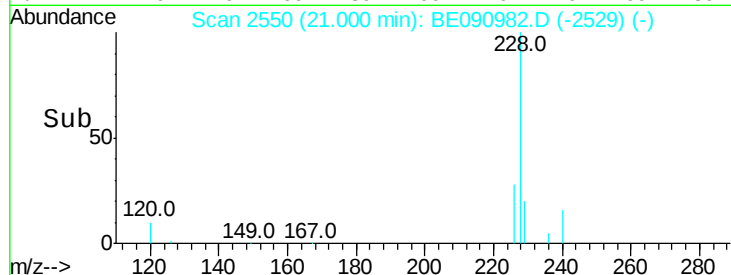
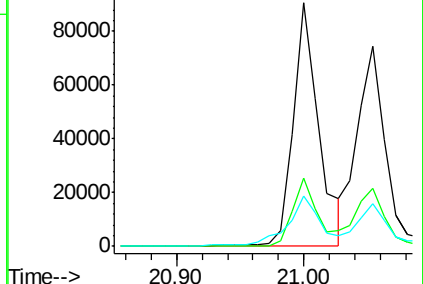
229 20.6 15.7 23.5



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



#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

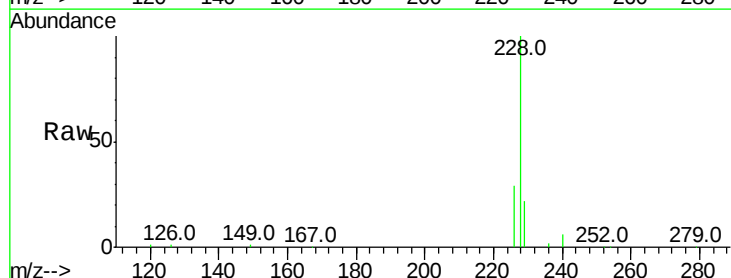
Tgt Ion:228 Resp: 115159

Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

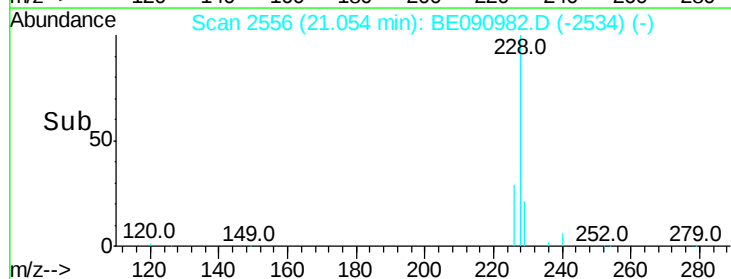
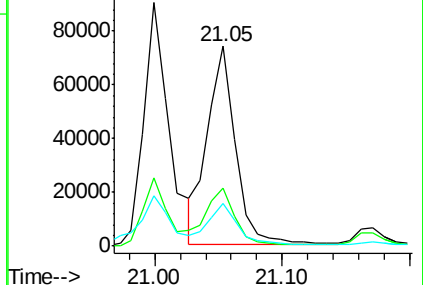
229 21.6 15.9 23.9

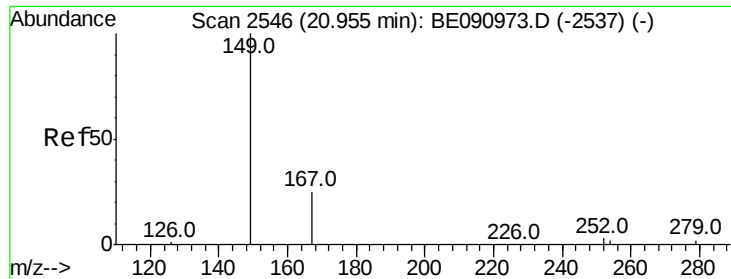


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_E

ClientSampleId :

S39-9002

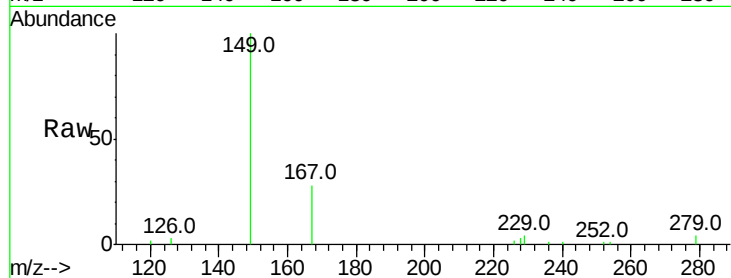
Tot Ion:149 Resp: 18356

Ion Ratio Lower Upper

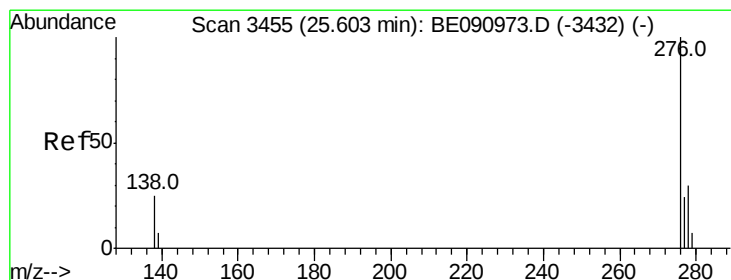
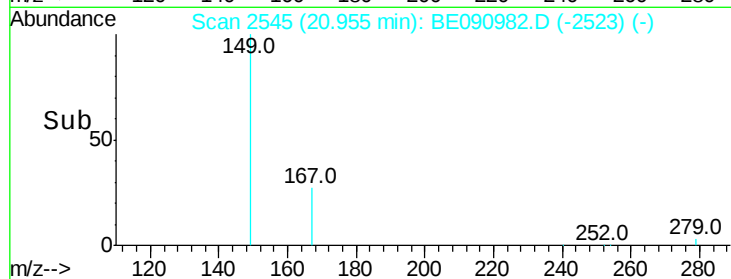
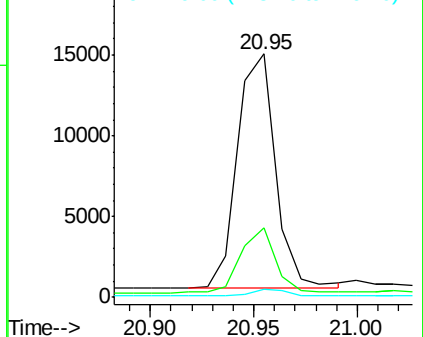
149 100

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

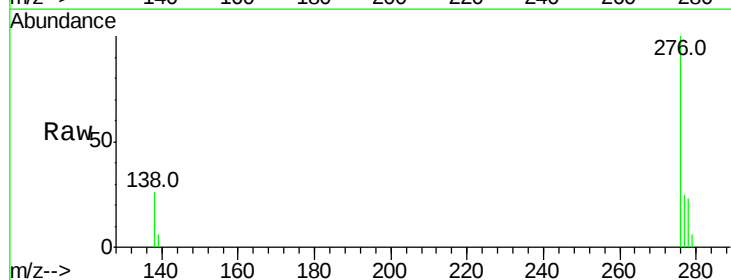
Tgt Ion:276 Resp: 45478

Ion Ratio Lower Upper

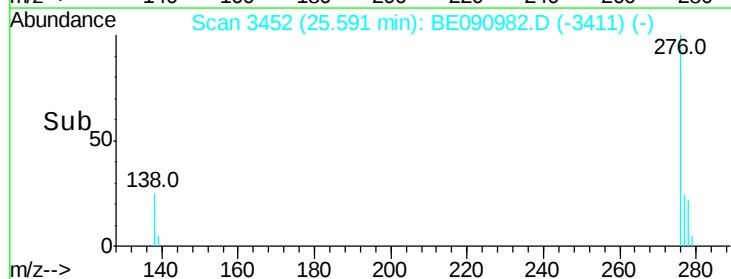
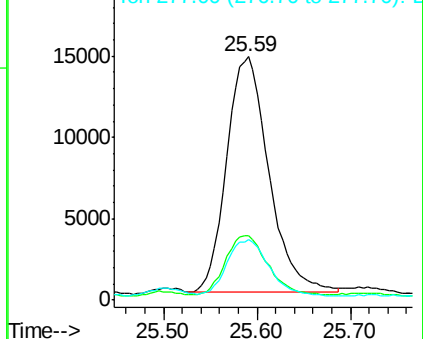
276 100

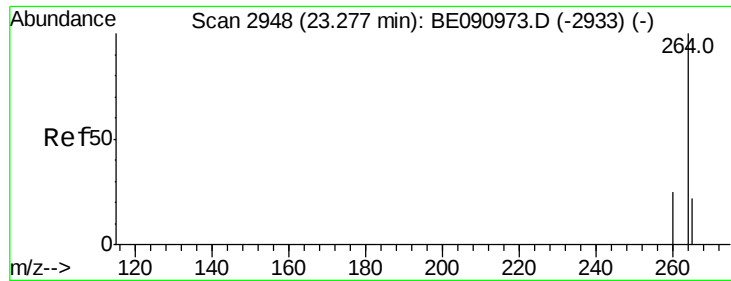
138 24.8 23.4 35.2

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

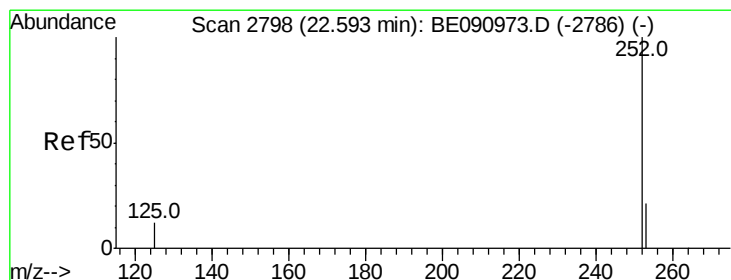
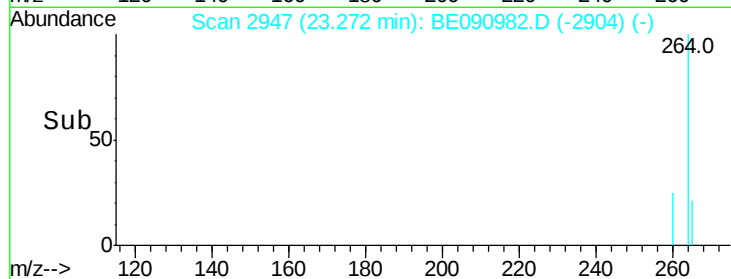
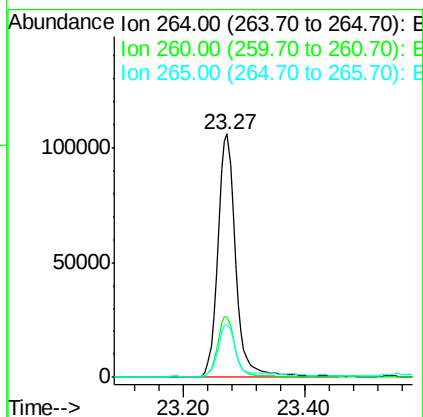
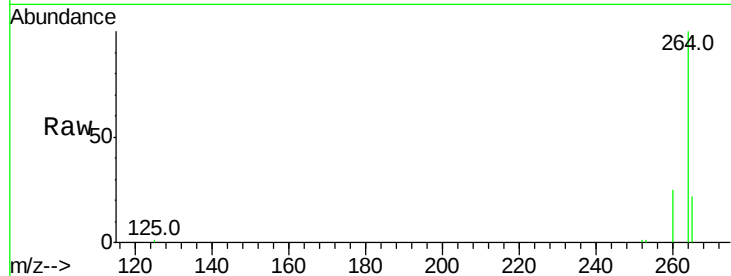




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.27 min Scan# 2947
 Delta R.T. -0.00 min
 Lab File: BE090982.D
 Acq: 30 Sep 2015 17:07

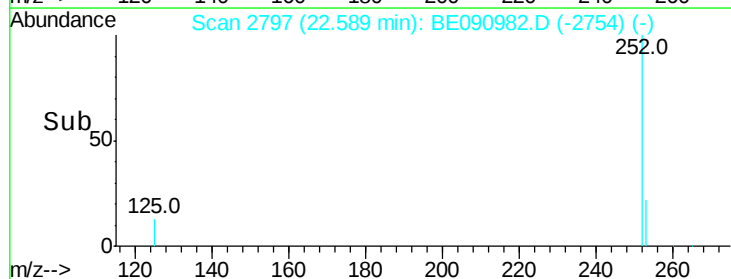
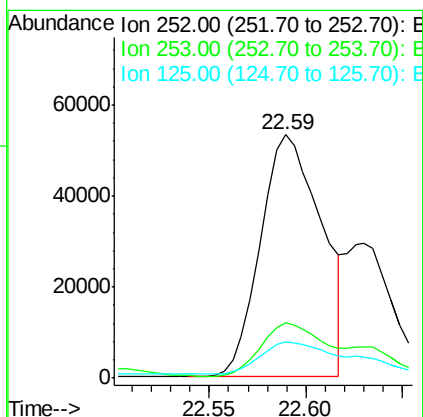
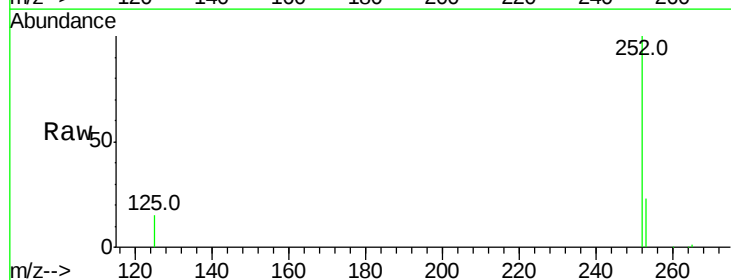
Instrument :
 BNA_E
 ClientSampled :
 S39-9002

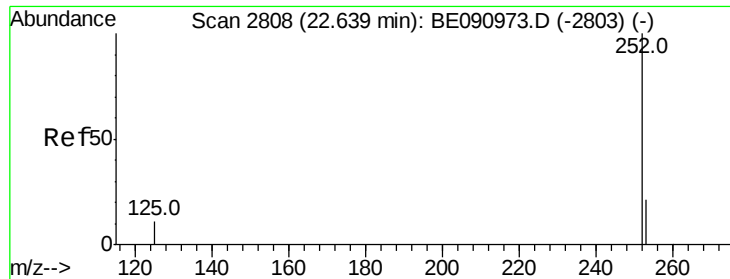
Tot Ion:264 Resp: 217410
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.0 30.0
 265 21.8 17.5 26.3



#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

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

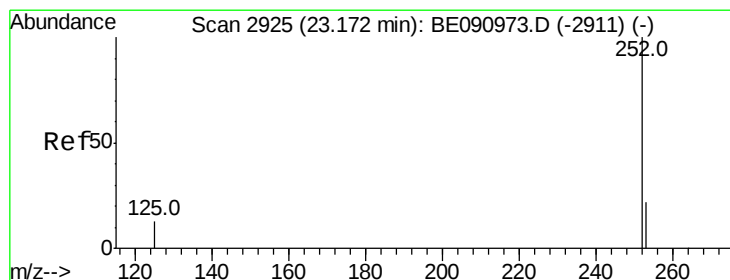
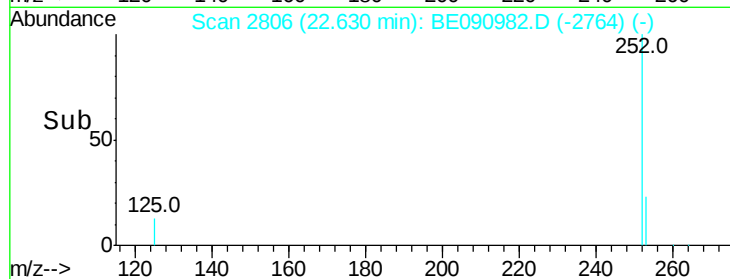
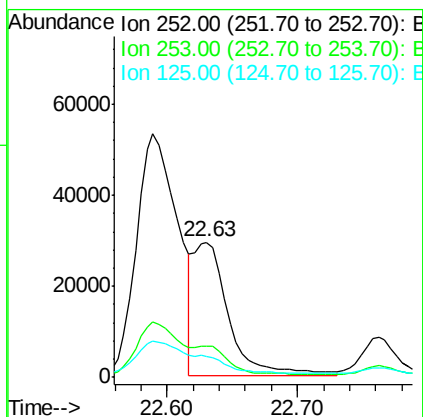
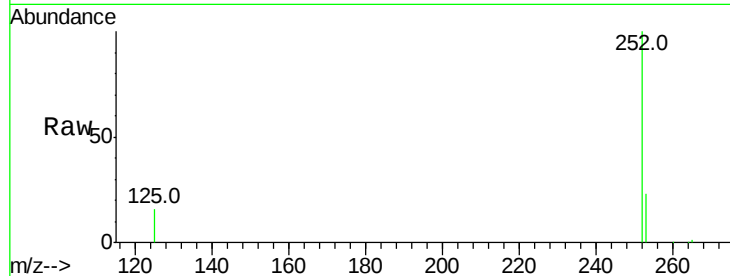




#37
Benzo(k)fluoranthene
Concen: 0.86 ng m
RT: 22.63 min Scan# 2806
Delta R.T. -0.01 min
Lab File: BE090982.D
Acq: 30 Sep 2015 17:07

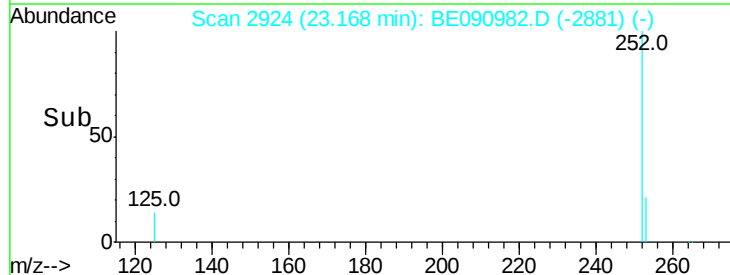
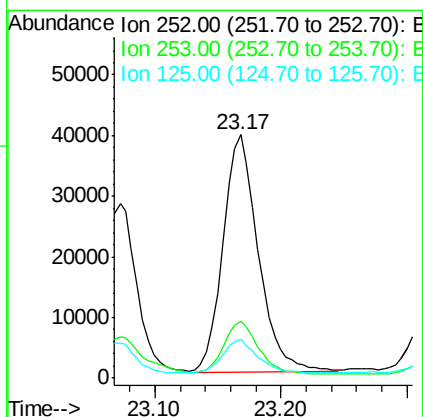
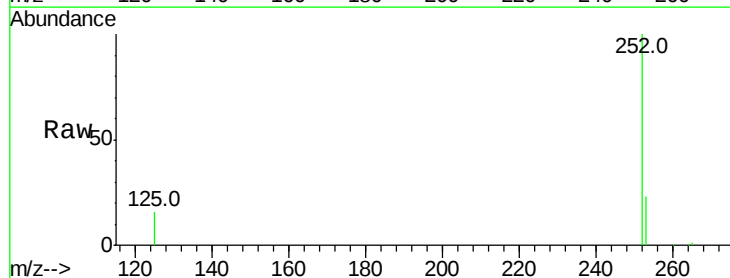
Instrument :
BNA_E
ClientSampleId :
S39-9002

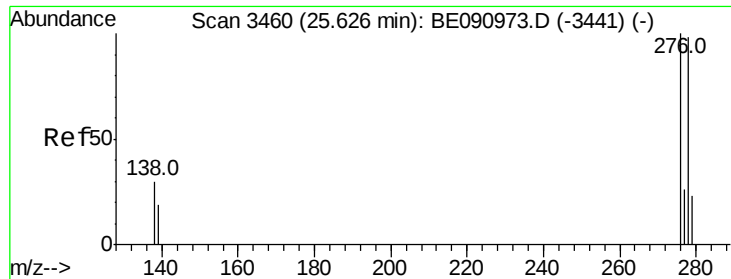
Tot Ion:252 Resp: 53889
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 15.7 9.9 14.9#



#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

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





#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

Instrument :

BNA_E

ClientSampleId :

S39-9002

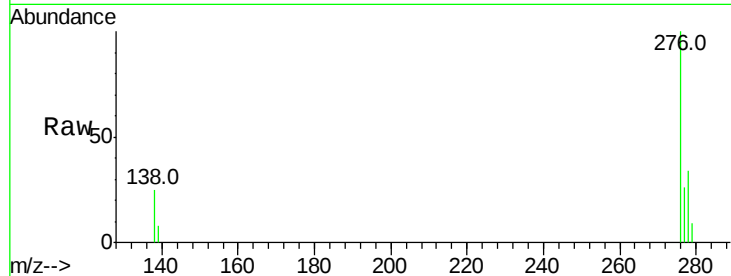
Tot Ion:278 Resp: 12441

Ion Ratio Lower Upper

278 100

139 23.1 16.0 24.0

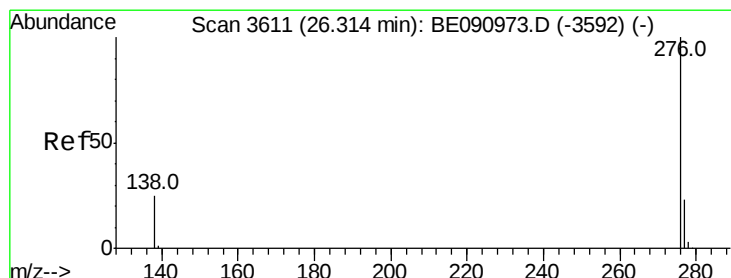
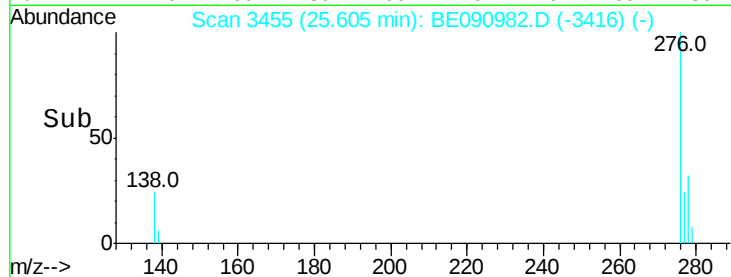
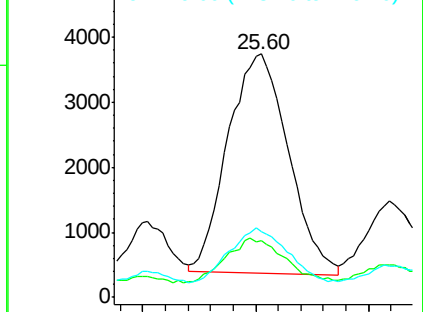
279 27.2 19.4 29.2



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

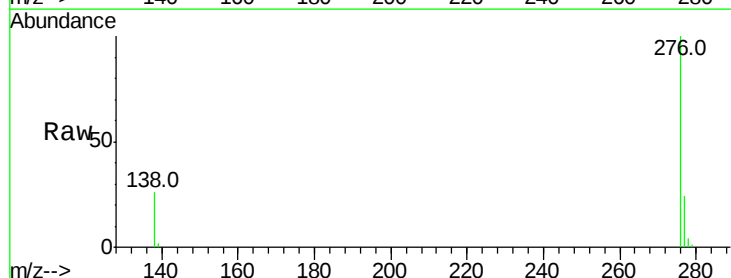
Tgt Ion:276 Resp: 43869

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

