

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032817\
 Data File : BE092849.D
 Acq On : 28 Mar 2017 23:22
 Operator : SJ/MA
 Sample : PB97725BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 29 04:58:19 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 14:58:05 2017
 Response via : Initial Calibration

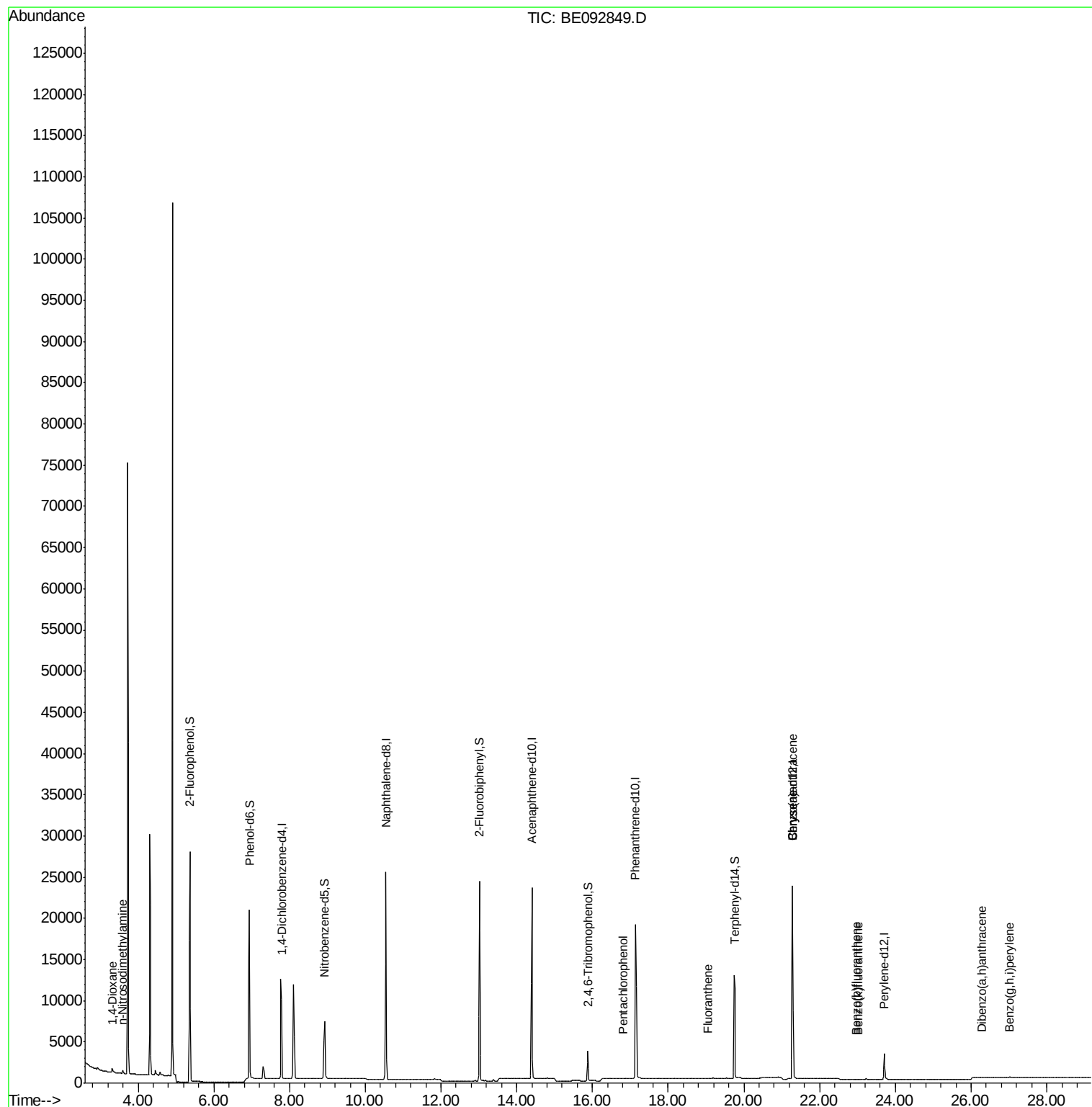
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	8900	5.00	ng	0.00
7) Naphthalene-d8	10.54	136	37641	5.00	ng	0.00
12) Acenaphthene-d10	14.40	164	14642	5.00	ng	0.00
18) Phenanthrene-d10	17.13	188	31741	5.00	ng	-0.02
24) Chrysene-d12	21.28	240	25572	5.00	ng	-0.02
31) Perylene-d12	23.71	264	4604	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	19731	9.52	ng	0.00
5) Phenol-d6	6.94	99	26106	8.58	ng	0.00
8) Nitrobenzene-d5	8.92	82	8404	3.89	ng	0.00
13) 2,4,6-Tribromophenol	15.88	330	2170	9.49	ng	0.00
14) 2-Fluorobiphenyl	13.02	172	23756	4.92	ng	-0.01
26) Terphenyl-d14	19.76	244	20082	4.54	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.33	88	581	0.49	ng	# 90
3) n-Nitrosodimethylamine	3.59	42	126	0.10	ng	# 6
20) Pentachlorophenol	16.81	266	11	0.26	ng	# 74
23) Fluoranthene	19.04	202	827	0.02	ng	# 1
27) Benzo(a)anthracene	21.28	228	149	0.02	ng	# 36
28) Chrysene	21.28	228	154	0.02	ng	# 66
32) Benzo(b)fluoranthene	22.96	252	41	0.03	ng	# 1
33) Benzo(k)fluoranthene	23.02	252	28	0.03	ng	# 1
35) Dibenzo(a,h)anthracene	26.27	278	24	0.02	ng	# 1
36) Benzo(g,h,i)perylene	27.02	276	119	0.03	ng	# 1

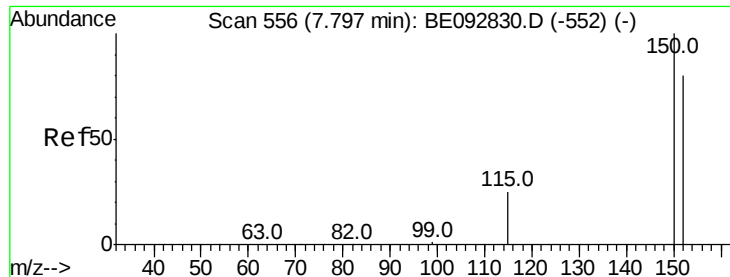
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 556

Delta R.T. -0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampleId :

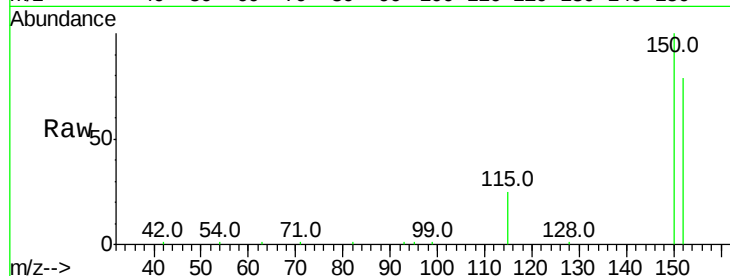
Tot Ion:152 Resp: 8900

Ion Ratio Lower Upper

152 100

150 126.0 106.0 159.0

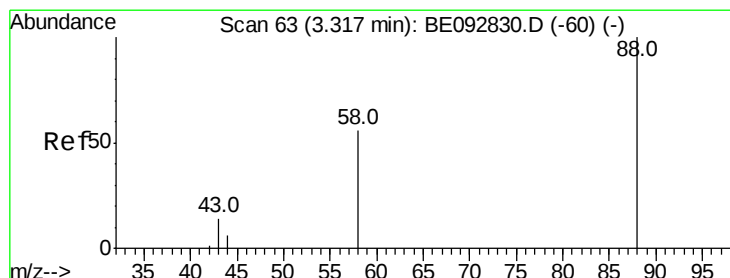
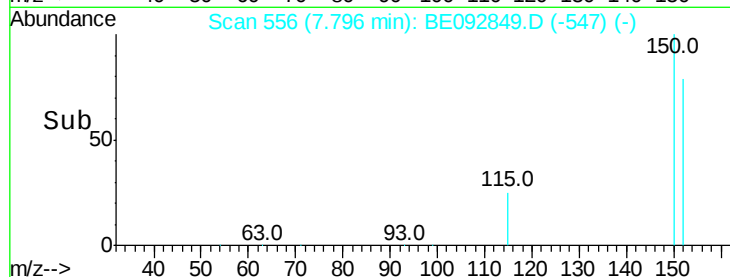
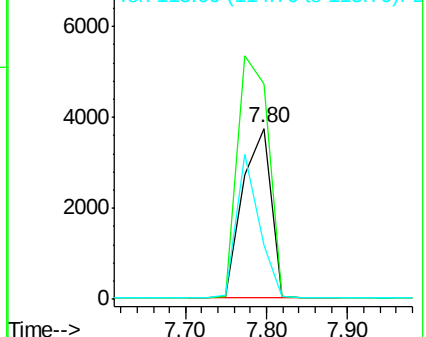
115 32.0 31.2 46.8



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: 0.49 ng

RT: 3.33 min Scan# 64

Delta R.T. 0.01 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

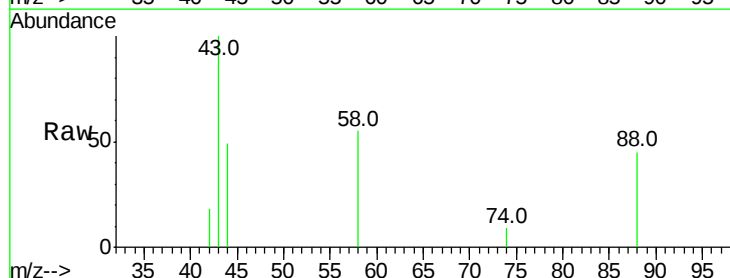
Tgt Ion: 88 Resp: 581

Ion Ratio Lower Upper

88 100

58 83.1 63.6 95.4

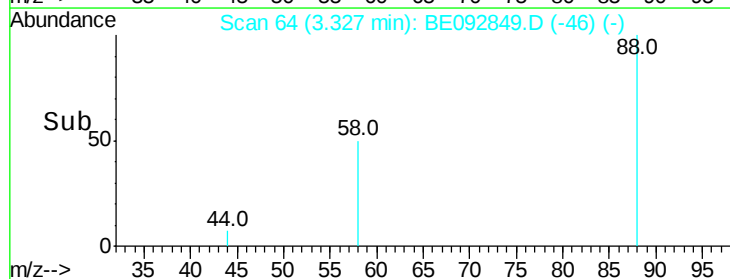
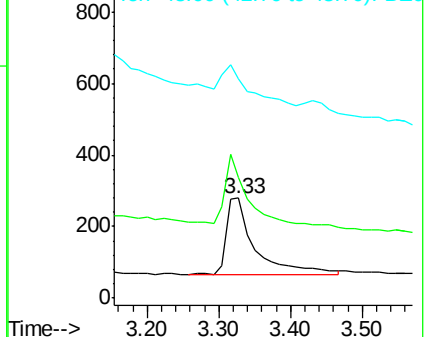
43 49.1 28.0 42.0#



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: 0.10 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampleId :

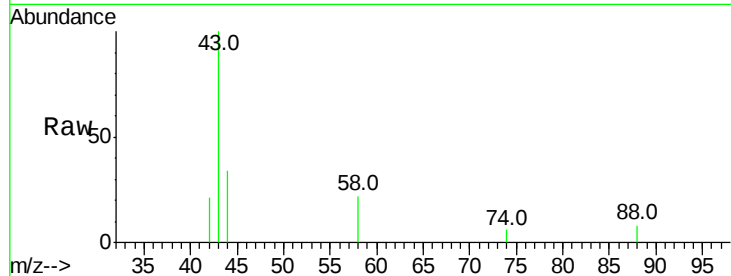
Tot Ion: 42 Resp: 126

Ion Ratio Lower Upper

42 100

74 4.8 86.0 129.0#

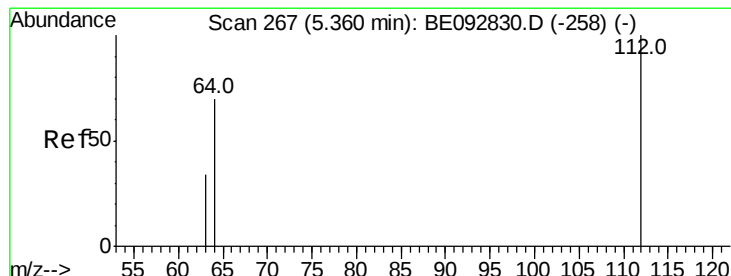
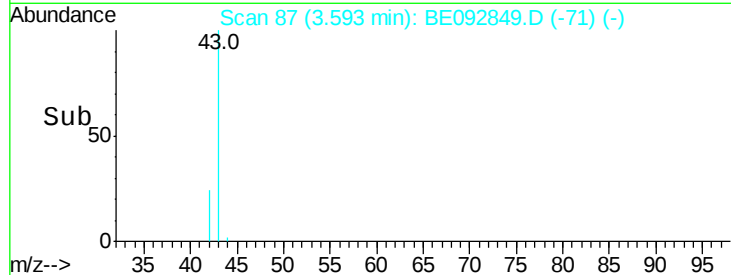
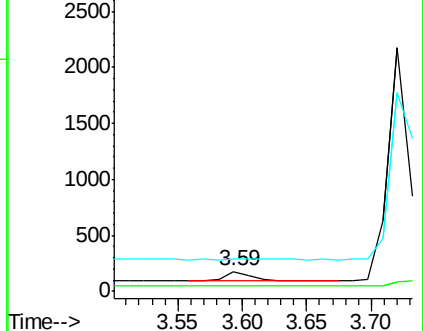
44 0.0 5.1 7.7#



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: 9.52 ng

RT: 5.36 min Scan# 268

Delta R.T. 0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

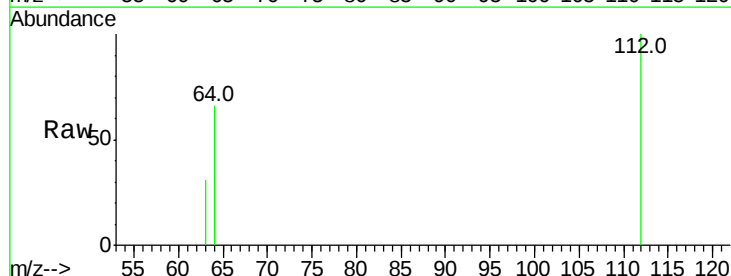
Tgt Ion: 112 Resp: 19731

Ion Ratio Lower Upper

112 100

64 69.0 53.5 80.3

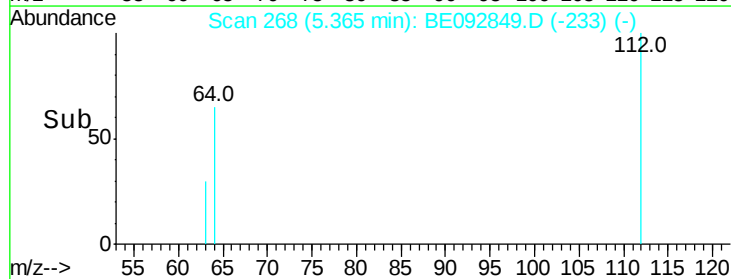
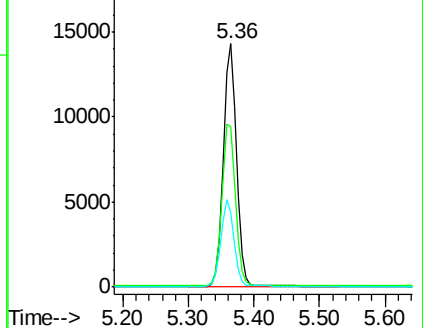
63 35.5 27.9 41.9

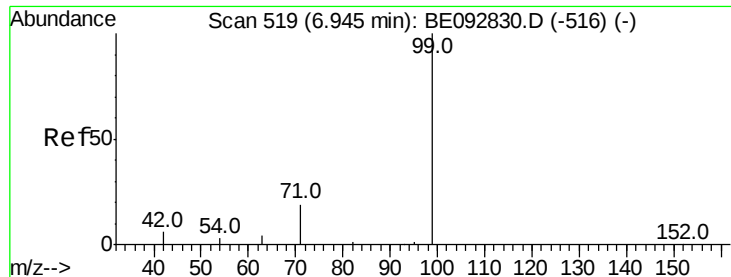


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.58 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampleId :

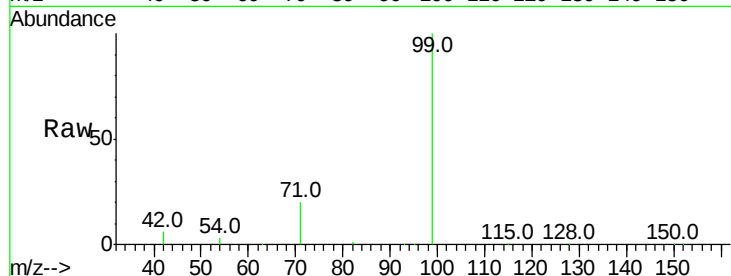
Tot Ion: 99 Resp: 26106

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

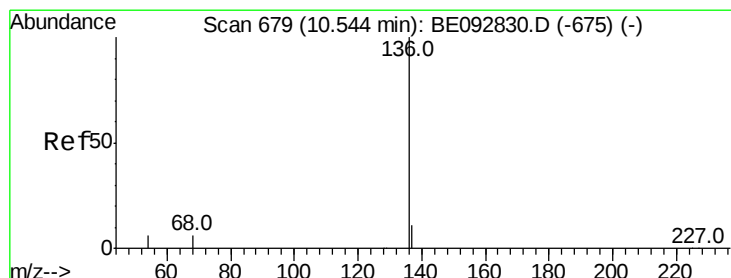
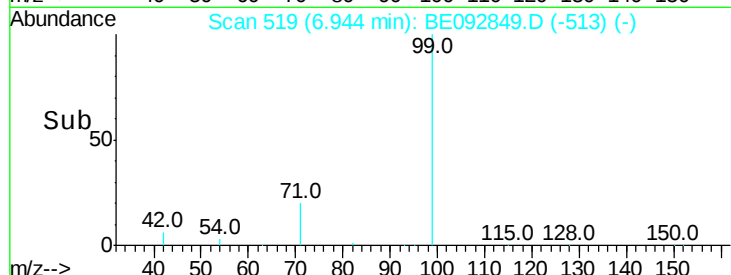
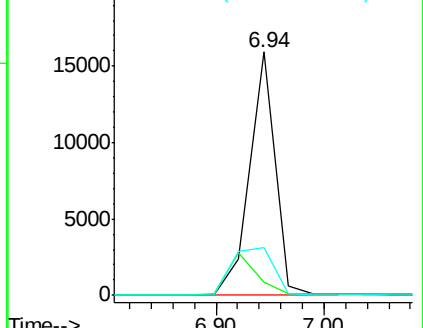
71 31.7 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.54 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Tgt Ion: 136 Resp: 37641

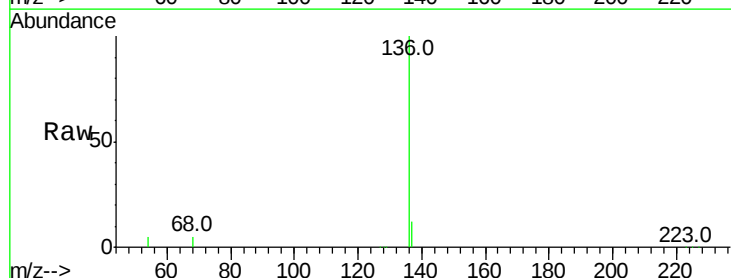
Ion Ratio Lower Upper

136 100

137 11.6 8.2 12.4

54 4.9 9.6 14.4#

68 4.8 6.7 10.1#

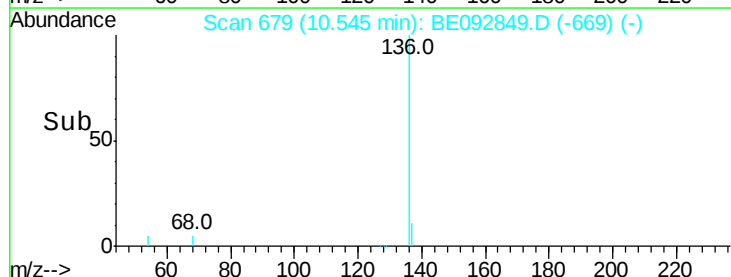
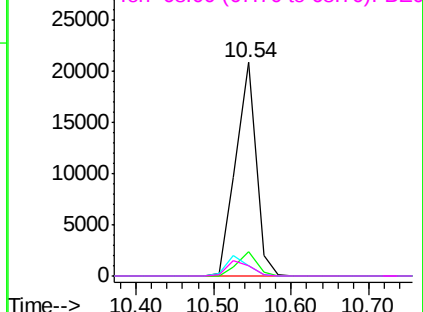


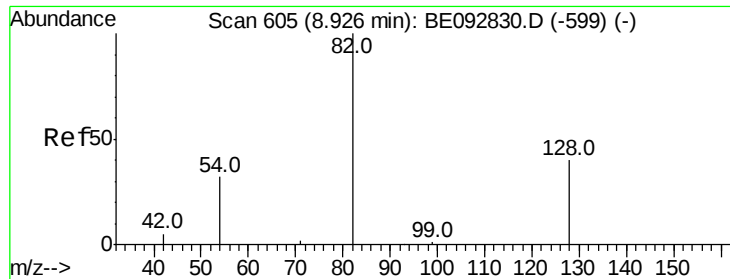
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.89 ng

RT: 8.92 min Scan# 605

Delta R.T. -0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampled :

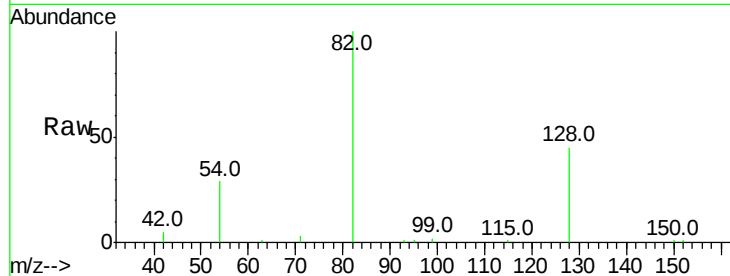
Tot Ion: 82 Resp: 8404

Ion Ratio Lower Upper

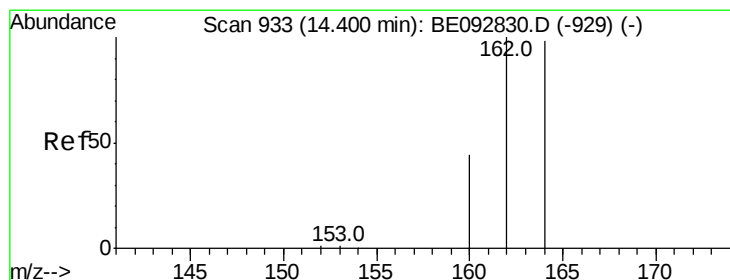
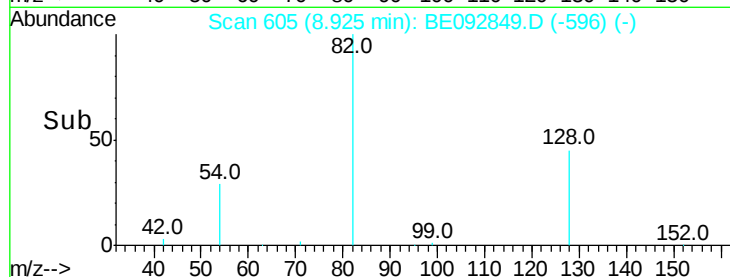
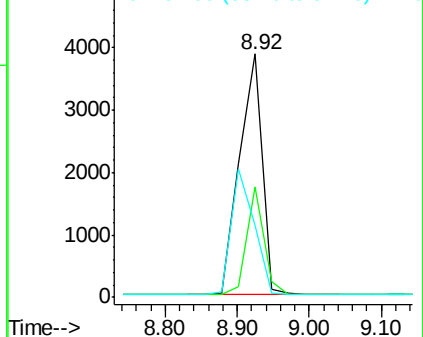
82 100

128 45.4 39.0 58.4

54 29.5 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 933

Delta R.T. -0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

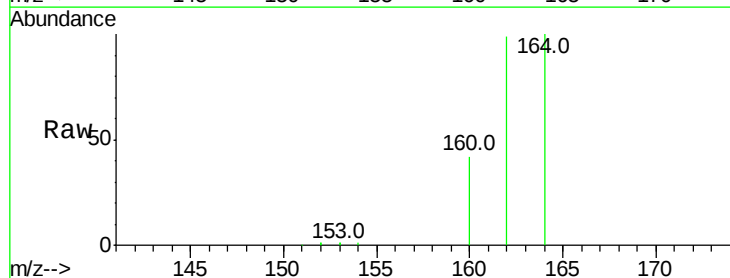
Tgt Ion: 164 Resp: 14642

Ion Ratio Lower Upper

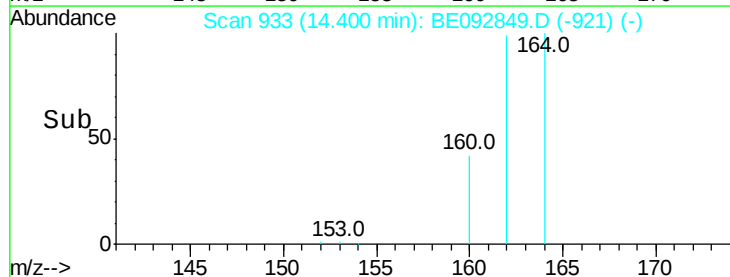
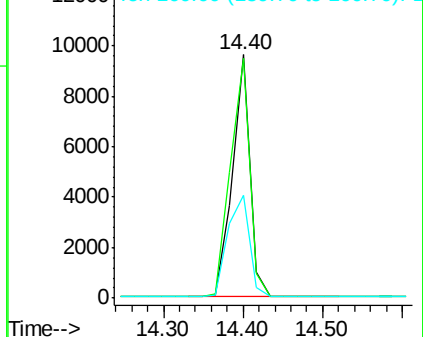
164 100

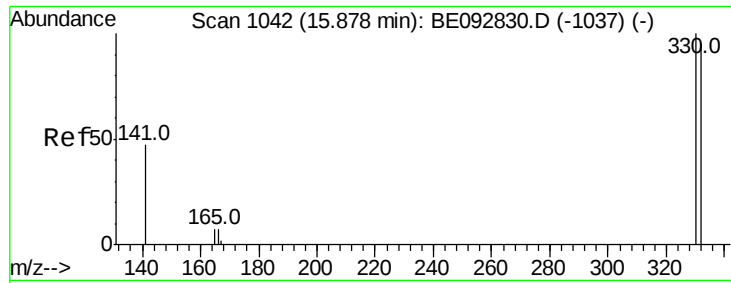
162 98.7 71.4 107.0

160 42.1 27.4 41.2#



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

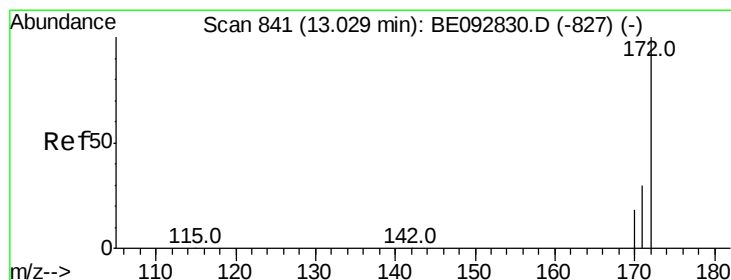
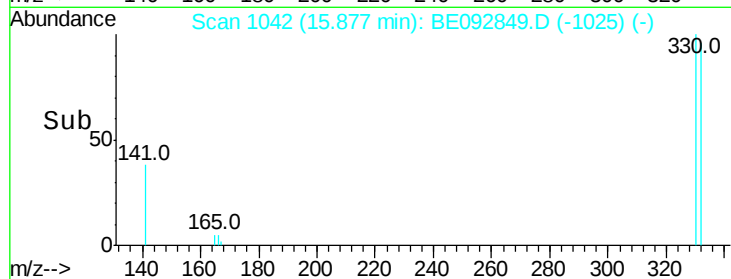
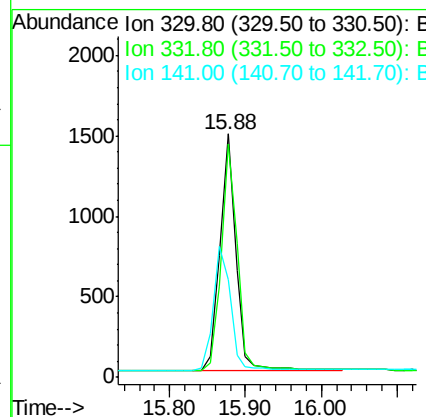
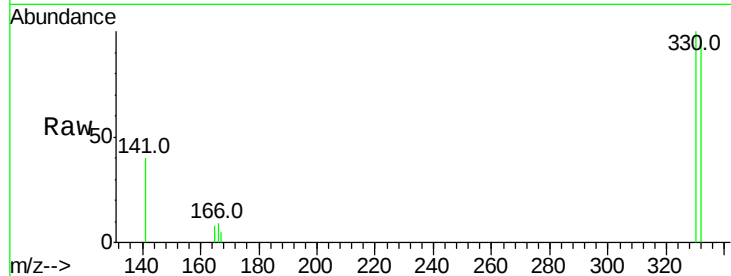




#13
 2,4,6-Tribromophenol
 Concen: 9.49 ng
 RT: 15.88 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BE092849.D
 Acq: 28 Mar 2017 23:22

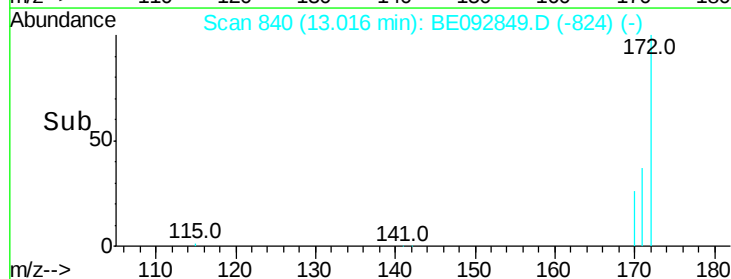
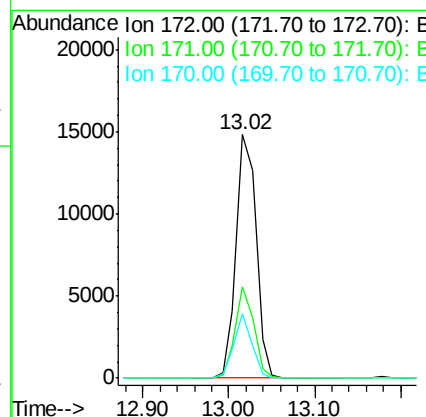
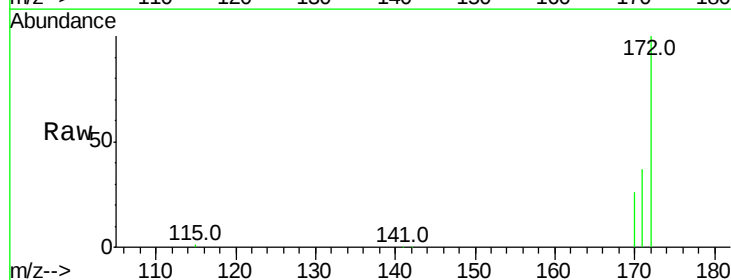
Instrument :
 BNA_E
 ClientSampleId :

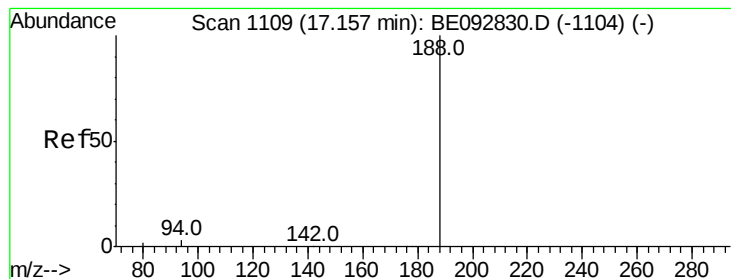
Tot Ion:330 Resp: 2170
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.4 113.0
 141 56.1 31.0 46.6#



#14
 2-Fluorobiphenyl
 Concen: 4.92 ng
 RT: 13.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BE092849.D
 Acq: 28 Mar 2017 23:22

Tgt Ion:172 Resp: 23756
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.1 45.1
 170 26.2 21.8 32.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.13 min Scan# 1109

Delta R.T. -0.02 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampleId :

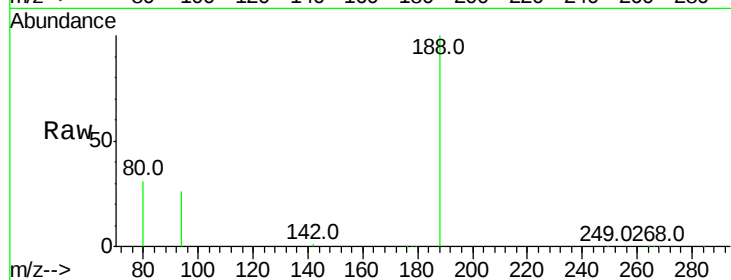
Tot Ion:188 Resp: 31741

Ion Ratio Lower Upper

188 100

94 26.3 3.2 4.8#

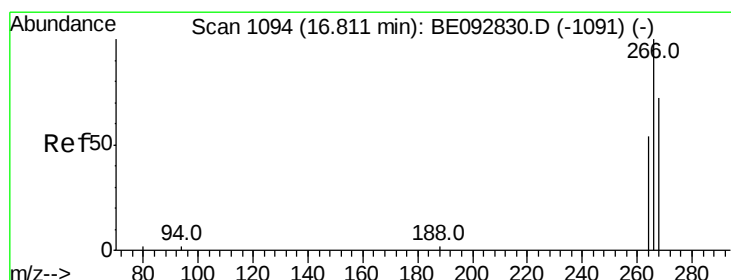
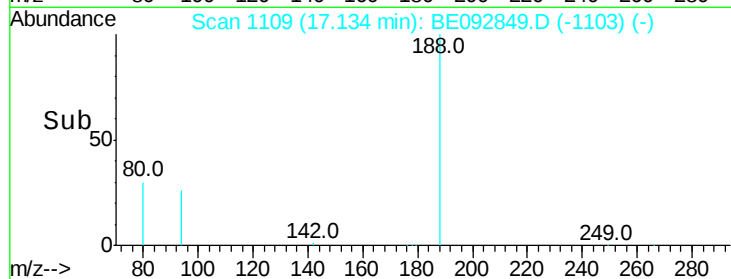
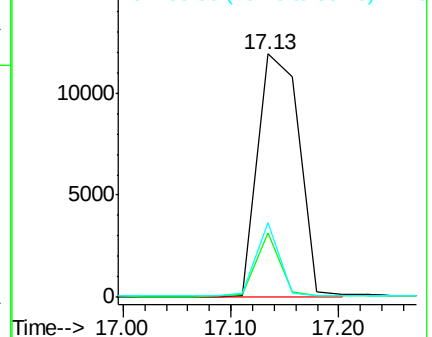
80 30.7 2.6 3.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

Pentachlorophenol

Concen: 0.26 ng

RT: 16.81 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

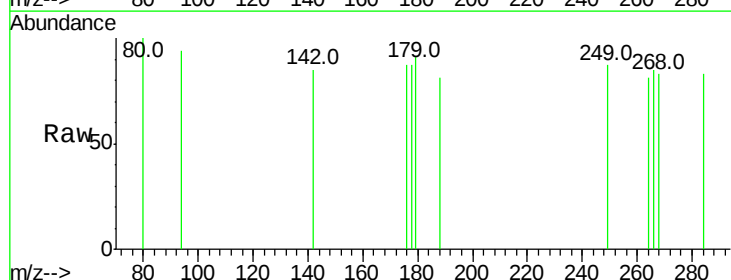
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 97.8 62.5 93.7#

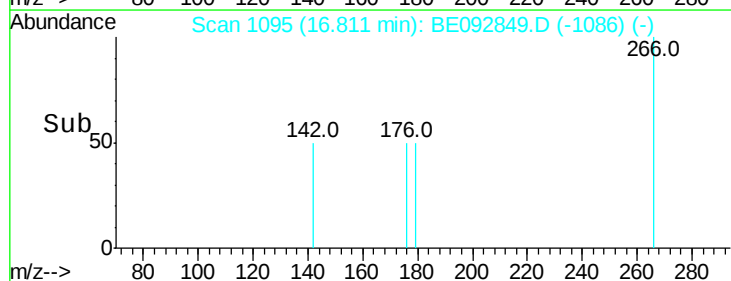
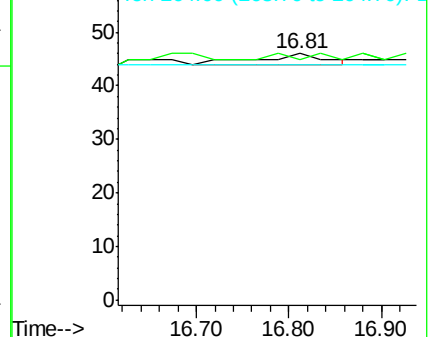
264 95.7 57.2 85.8#

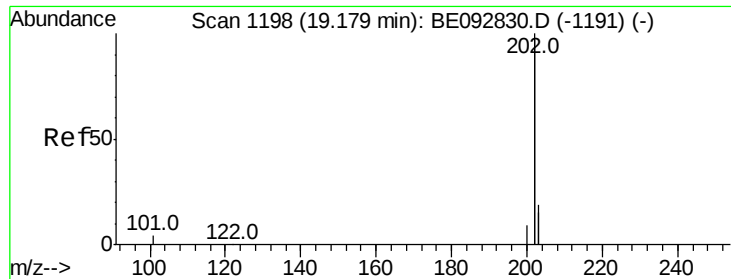


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Fluoranthene

Concen: 0.02 ng

RT: 19.04 min Scan# 1191

Delta R.T. -0.14 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampled :

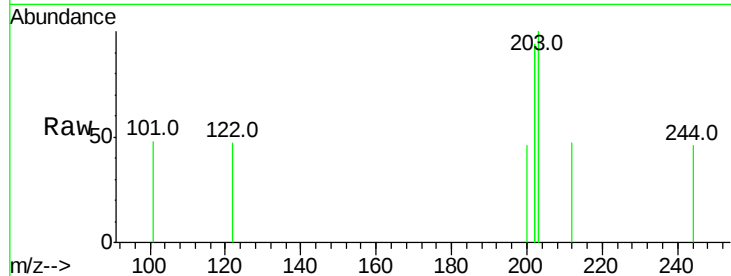
Tot Ion:202 Resp: 827

Ion Ratio Lower Upper

202 100

101 0.0 2.2 3.4#

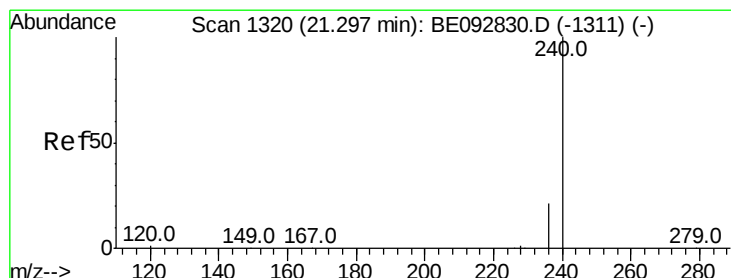
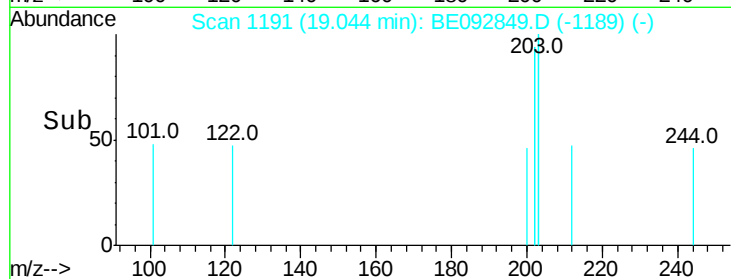
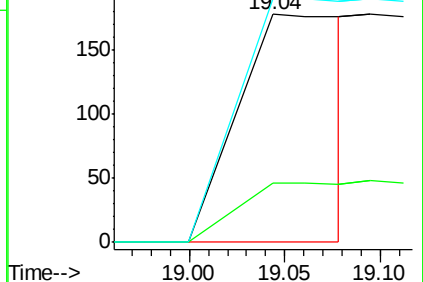
203 177.0 13.7 20.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

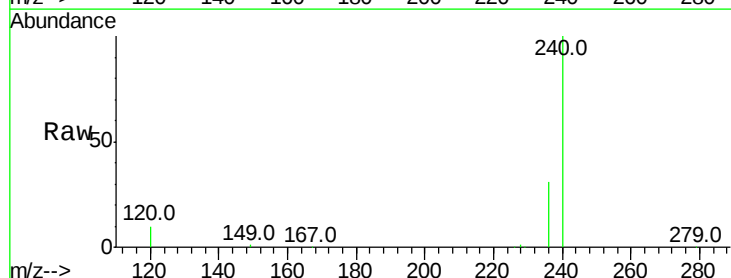
Tgt Ion:240 Resp: 25572

Ion Ratio Lower Upper

240 100

120 10.0 2.6 4.0#

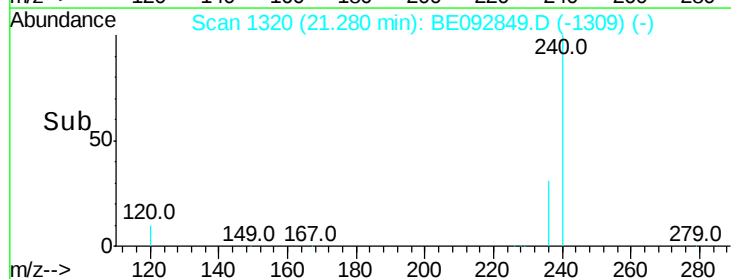
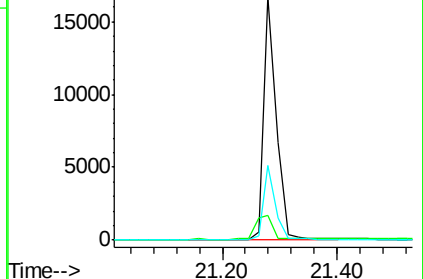
236 30.7 24.6 37.0

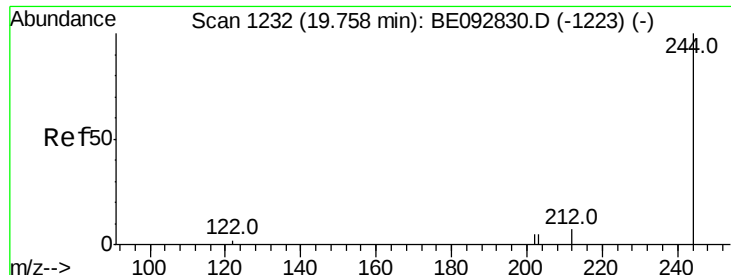


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Terphenyl-d14

Concen: 4.54 ng

RT: 19.76 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampleId :

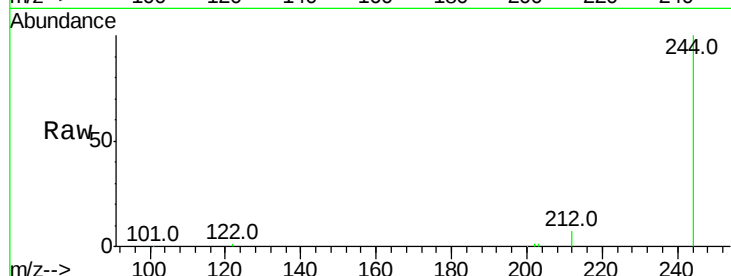
Tot Ion:244 Resp: 20082

Ion Ratio Lower Upper

244 100

212 7.0 6.7 10.1

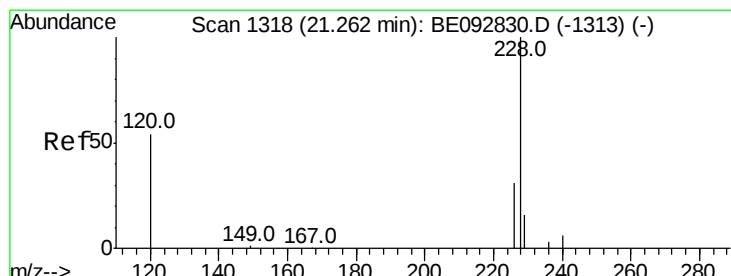
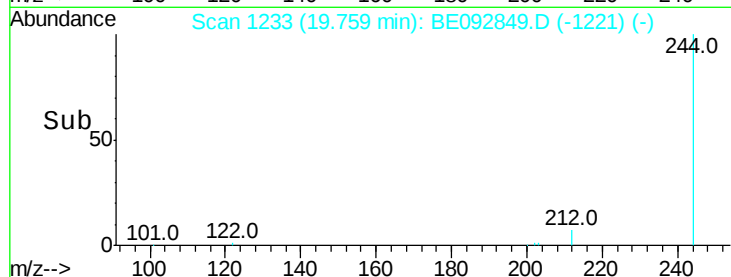
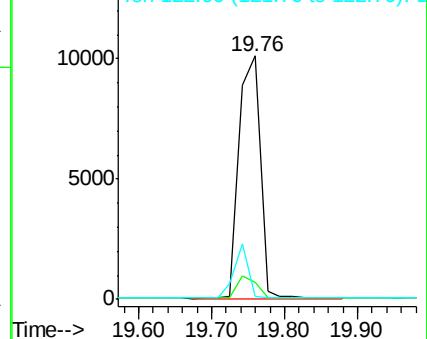
122 1.4 3.6 5.4#



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



#27

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.28 min Scan# 1320

Delta R.T. 0.02 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

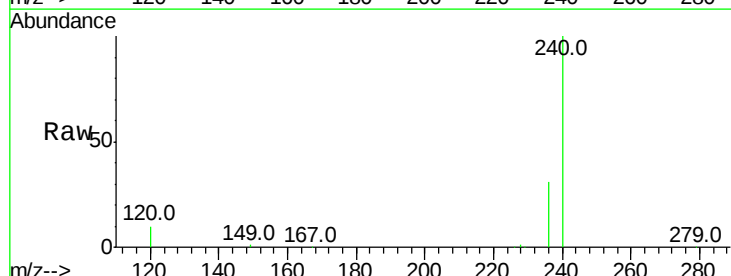
Tgt Ion:228 Resp: 149

Ion Ratio Lower Upper

228 100

226 49.0 23.6 35.4#

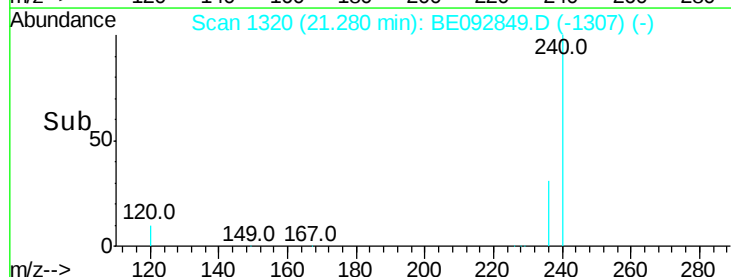
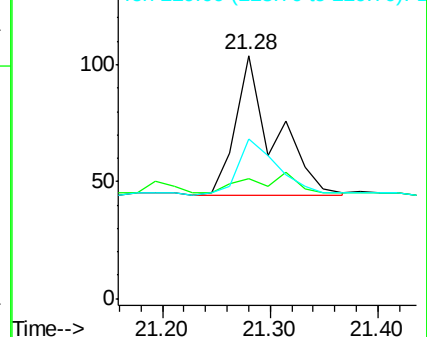
229 65.4 13.3 19.9#

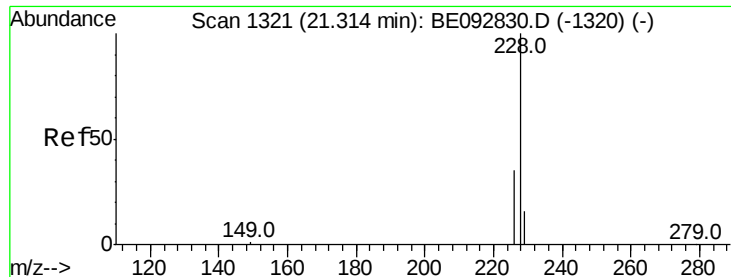


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Chrysene

Concen: 0.02 ng

RT: 21.28 min Scan# 1320

Delta R.T. -0.03 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampleId :

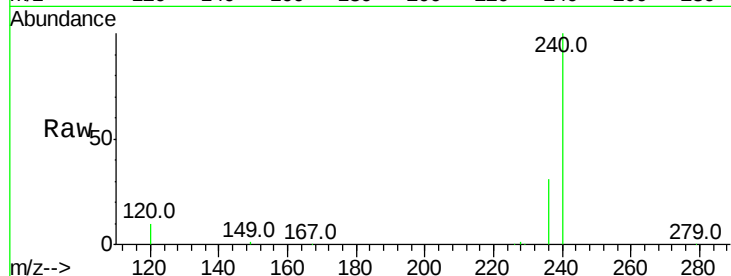
Tot Ion:228 Resp: 154

Ion Ratio Lower Upper

228 100

226 49.0 36.3 54.5

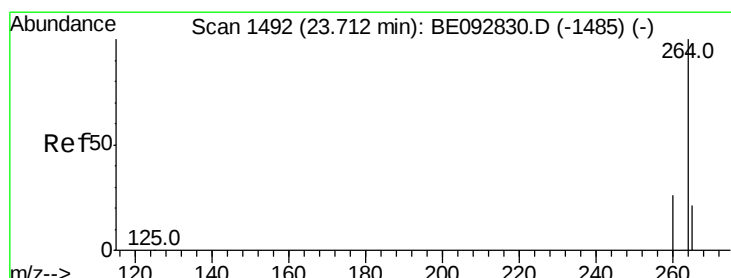
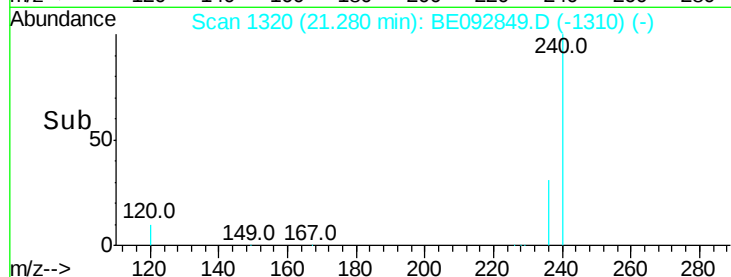
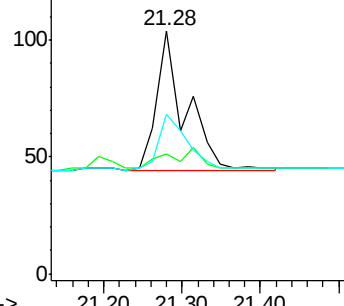
229 65.4 10.6 16.0#



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

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

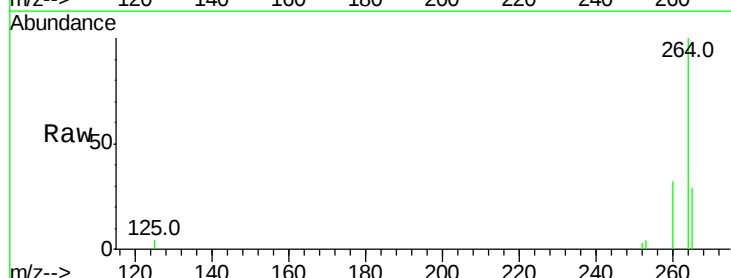
Tgt Ion:264 Resp: 4604

Ion Ratio Lower Upper

264 100

260 31.9 20.1 30.1#

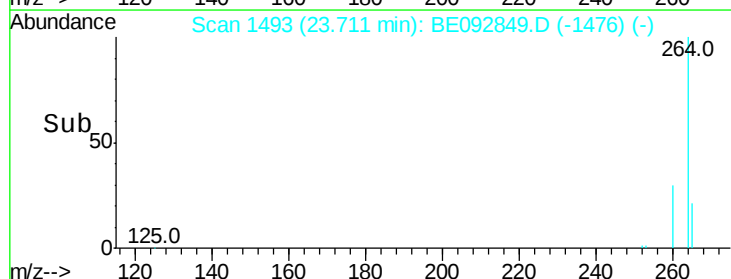
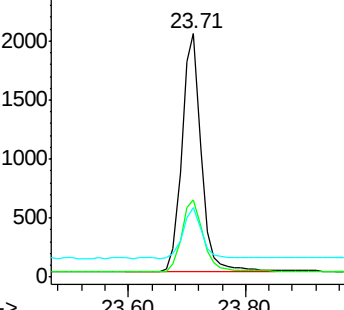
265 28.7 17.9 26.9#

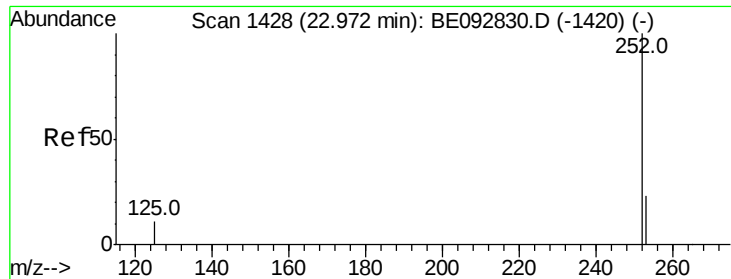


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#32

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.96 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

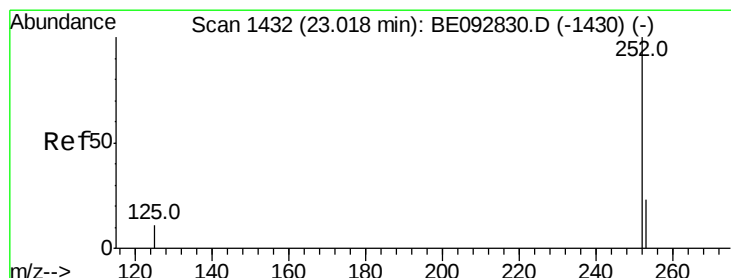
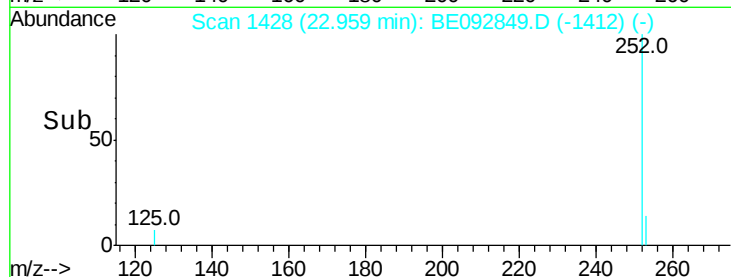
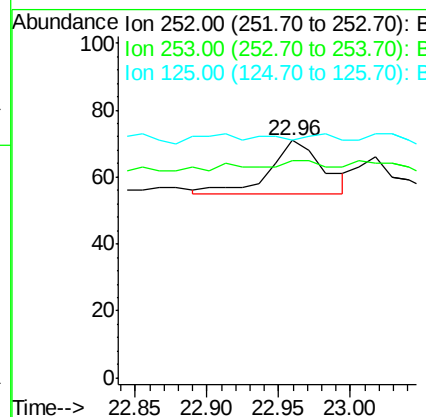
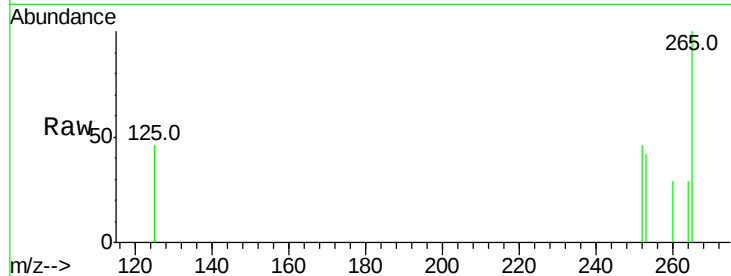
Instrument :

BNA_E

ClientSampleId :

Tot Ion:252 Resp: 41

Ion	Ratio	Lower	Upper
252	100		
253	91.5	18.7	28.1#
125	100.0	10.5	15.7#



#33

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 23.02 min Scan# 1433

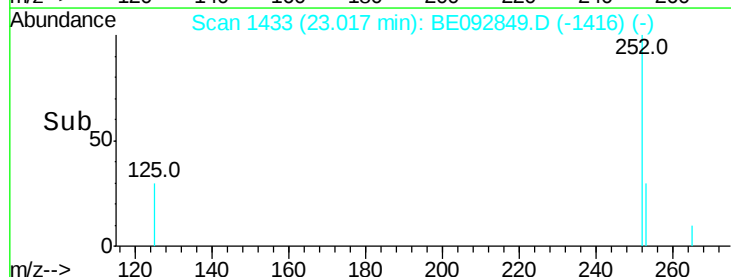
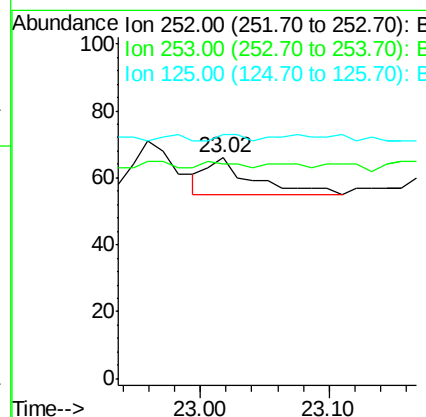
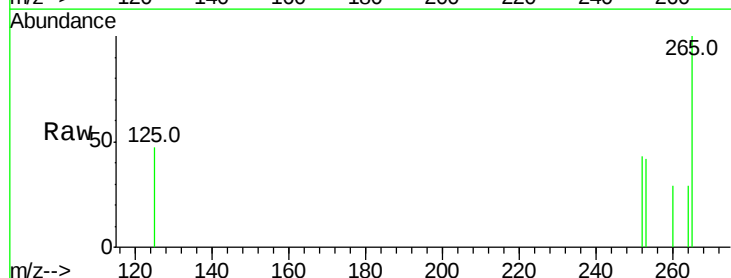
Delta R.T. -0.00 min

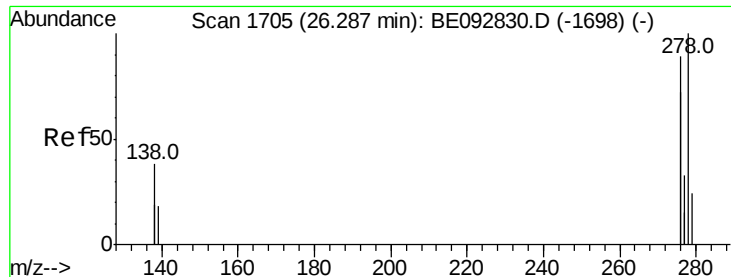
Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Tgt Ion:252 Resp: 28

Ion	Ratio	Lower	Upper
252	100		
253	97.0	20.3	30.5#
125	110.6	9.6	14.4#





#35

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.27 min Scan# 1705

Delta R.T. -0.02 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

Instrument :

BNA_E

ClientSampleId :

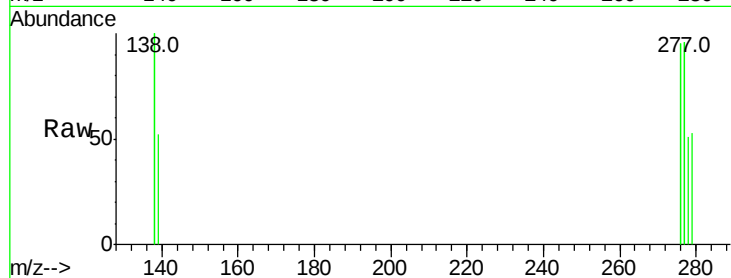
Tot Ion:278 Resp: 24

Ion Ratio Lower Upper

278 100

139 102.0 13.8 20.8#

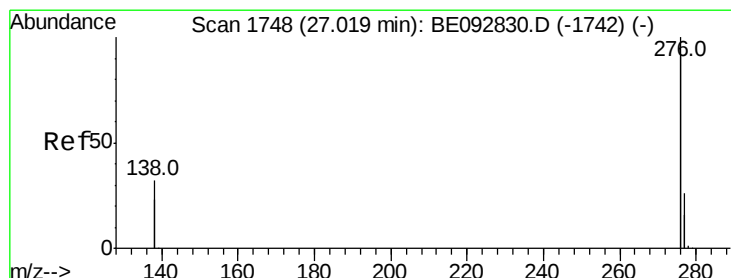
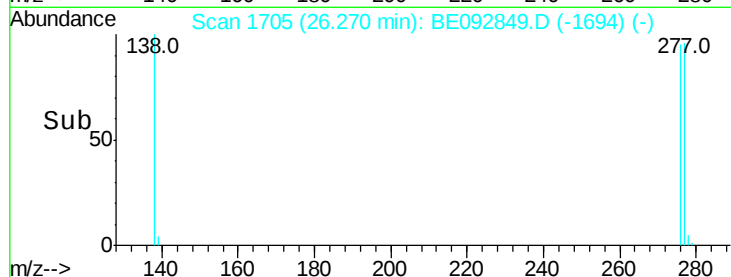
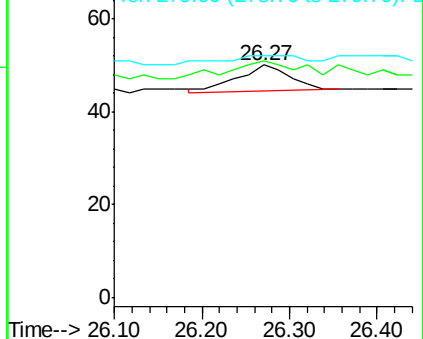
279 104.0 21.4 32.2#



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



#36

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 27.02 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE092849.D

Acq: 28 Mar 2017 23:22

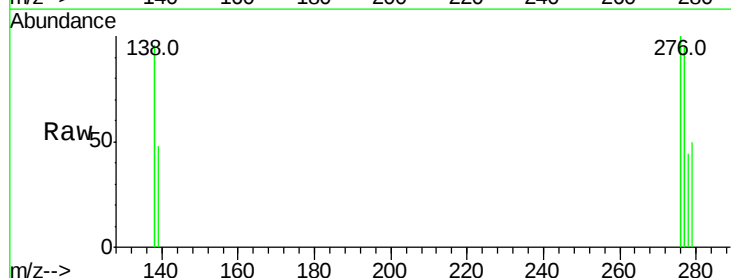
Tgt Ion:276 Resp: 119

Ion Ratio Lower Upper

276 100

277 95.0 19.8 29.8#

138 96.0 19.8 29.6#



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

