

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071615\
 Data File : BE090134.D
 Acq On : 17 Jul 2015 00:30
 Operator : TP/IZ
 Sample : PB84555BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84555BS

Quant Time: Jul 17 13:08:17 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 17 04:05:30 2015
 Response via : Initial Calibration

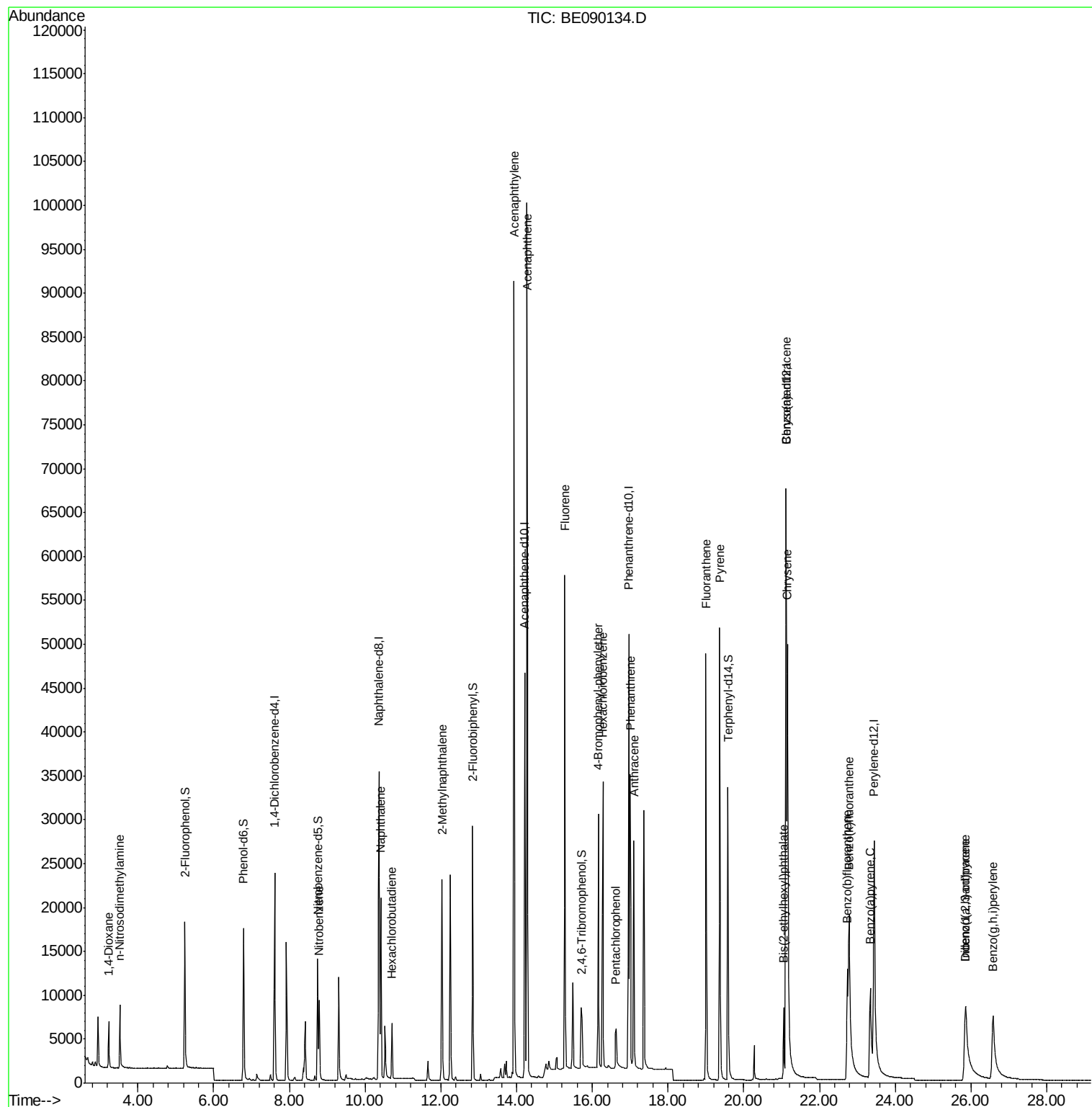
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	11421	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	47743	5.00	ng	0.00
12) Acenaphthene-d10	14.22	164	25823	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	59156	5.00	ng	0.00
25) Chrysene-d12	21.12	240	65567	5.00	ng	0.00
32) Perylene-d12	23.44	264	50150	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	13165	5.38	ng	0.00
5) Phenol-d6	6.79	99	19218	5.55	ng	0.00
7) Nitrobenzene-d5	8.75	82	12095	3.42	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	3828	5.11	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	26474	3.33	ng	0.00
27) Terphenyl-d14	19.58	244	42109	3.83	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	3512	2.31	ng	99
3) n-Nitrosodimethylamine	3.52	42	4399	2.44	ng	94
8) Nitrobenzene	8.79	77	10086	2.71	ng	99
9) Naphthalene	10.41	128	26992	2.50	ng	99
10) Hexachlorobutadiene	10.71	225	4446	2.44	ng	99
11) 2-Methylnaphthalene	12.03	142	17558	2.54	ng	99
15) Acenaphthylene	13.93	152	120428	2.62	ng	100
16) Acenaphthene	14.28	154	17566	2.65	ng	97
17) Fluorene	15.27	166	24458	2.82	ng	99
19) 4-Bromophenyl-phenylether	16.16	248	7153	2.82	ng	99
20) Hexachlorobenzene	16.28	284	31181	2.83	ng	100
21) Pentachlorophenol	16.63	266	3605	4.65	ng	92
22) Phenanthrene	17.00	178	41932	2.82	ng	100
23) Anthracene	17.10	178	41342	3.13	ng	100
24) Fluoranthene	19.00	202	47839	3.25	ng	100
26) Pyrene	19.36	202	51094	2.88	ng	99
28) Benzo(a)anthracene	21.11	228	40498	3.64	ng	100
29) Chrysene	21.16	228	54452	2.76	ng	100
30) Bis(2-ethylhexyl)phthalate	21.05	149	9331	3.95	ng	94
31) Indeno(1,2,3-cd)pyrene	25.85	276	22128	6.36	ng	# 92
33) Benzo(b)fluoranthene	22.74	252	19030	5.22	ng	96
34) Benzo(k)fluoranthene	22.78	252	44895	3.04	ng	96
35) Benzo(a)pyrene	23.34	252	24940	2.72	ng	95
36) Dibenzo(a,h)anthracene	25.86	278	15204	6.10	ng	92
37) Benzo(g,h,i)perylene	26.58	276	26315	2.79	ng	93

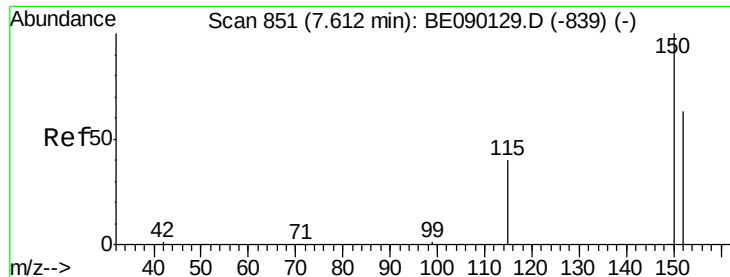
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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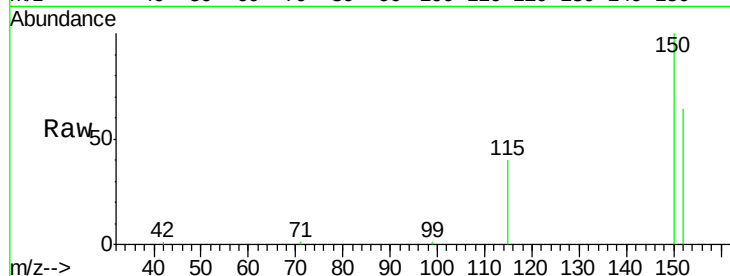


#1

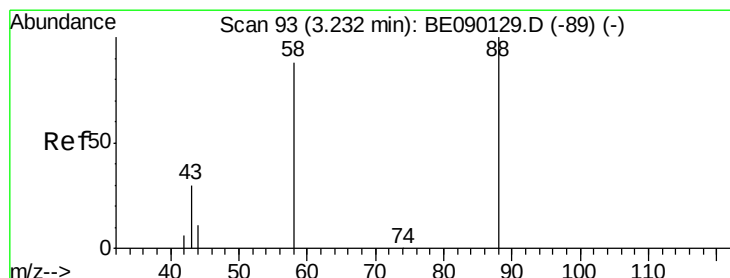
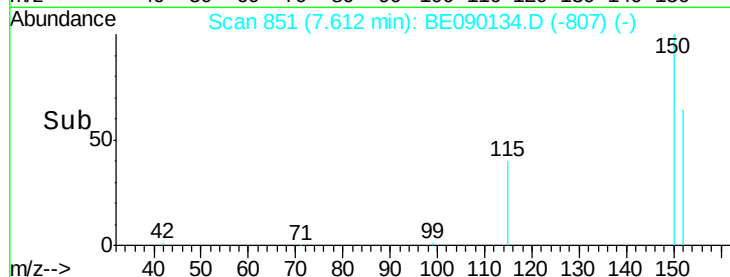
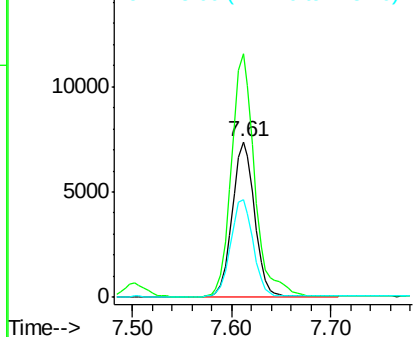
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 851
Delta R.T. 0.00 min
Lab File: BE090134.D
Acq: 17 Jul 2015 00:30

Instrument :
BNA_E
ClientSampleId :
PB84555BS

Tgt Ion:152 Resp: 11421
Ion Ratio Lower Upper
152 100
150 156.3 127.3 190.9
115 62.9 51.0 76.4



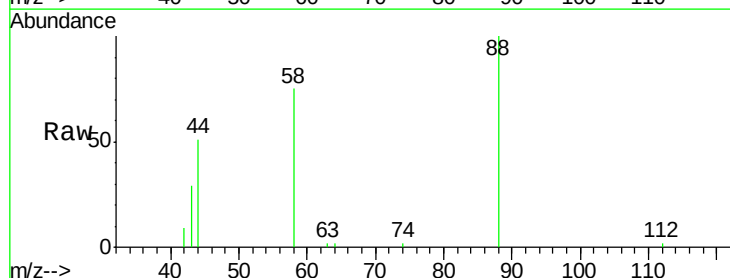
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



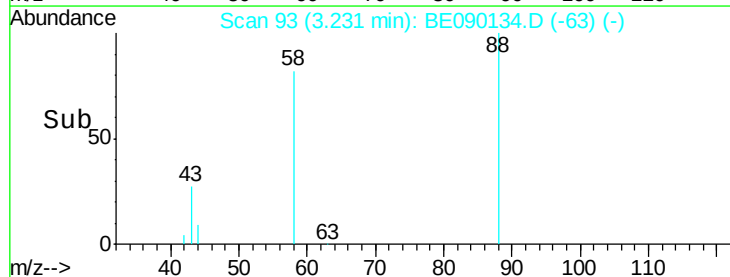
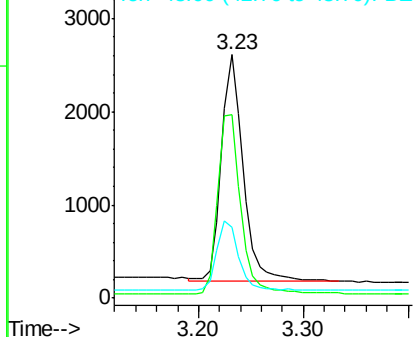
#2

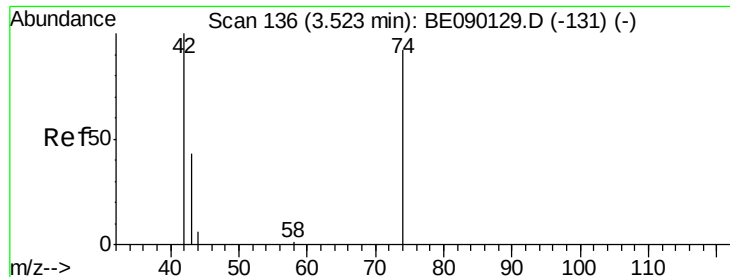
1,4-Dioxane
Concen: 2.31 ng
RT: 3.23 min Scan# 93
Delta R.T. 0.00 min
Lab File: BE090134.D
Acq: 17 Jul 2015 00:30

Tgt Ion: 88 Resp: 3512
Ion Ratio Lower Upper
88 100
58 83.5 67.0 100.4
43 31.0 26.0 39.0



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: 2.44 ng

RT: 3.52 min Scan# 136

Delta R.T. -0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

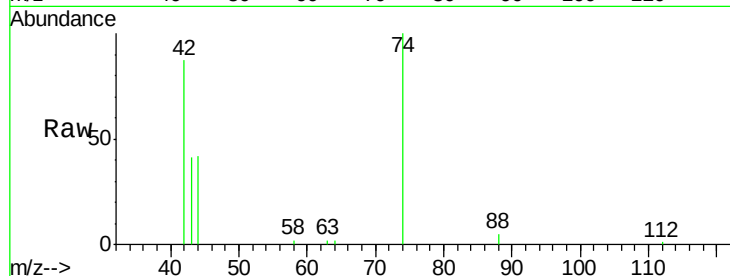
Tgt Ion: 42 Resp: 4399

Ion Ratio Lower Upper

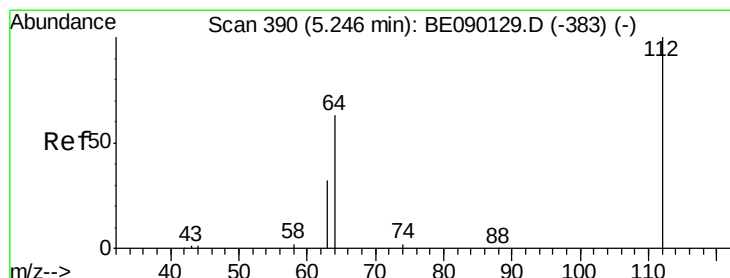
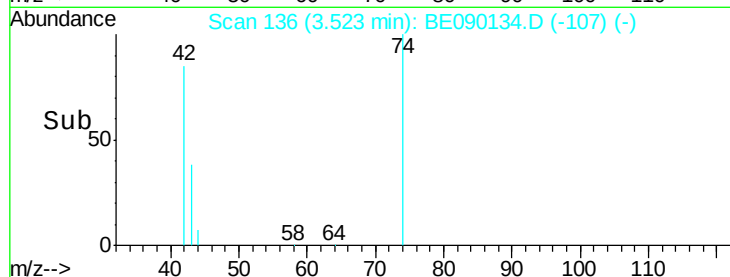
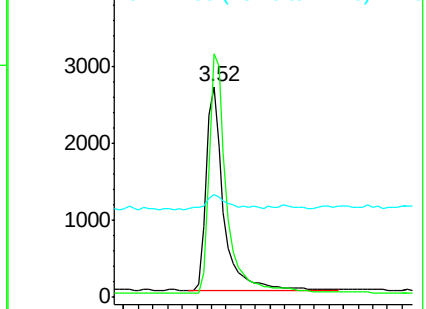
42 100

74 120.9 91.0 136.6

44 10.0 9.2 13.8



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: 5.38 ng

RT: 5.24 min Scan# 389

Delta R.T. -0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

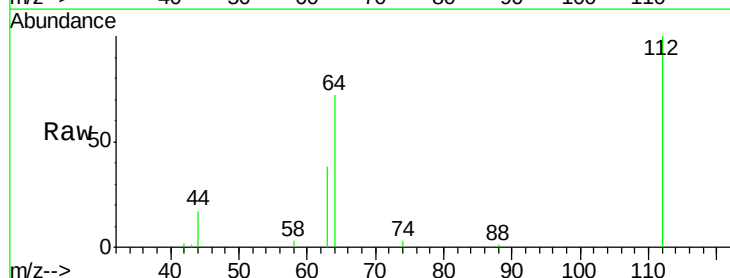
Tgt Ion: 112 Resp: 13165

Ion Ratio Lower Upper

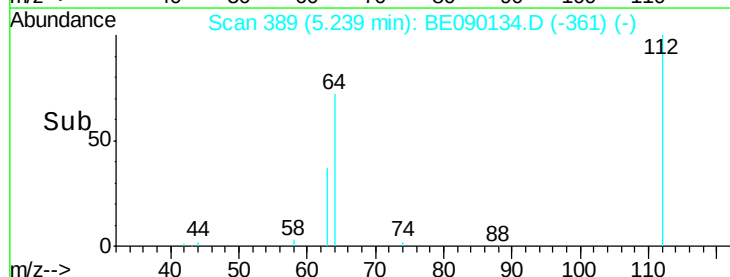
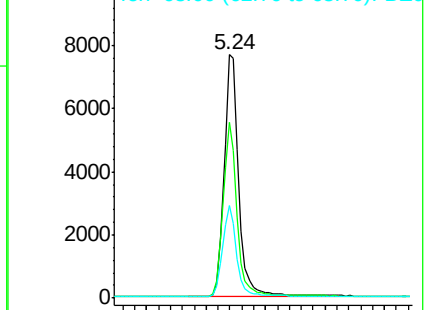
112 100

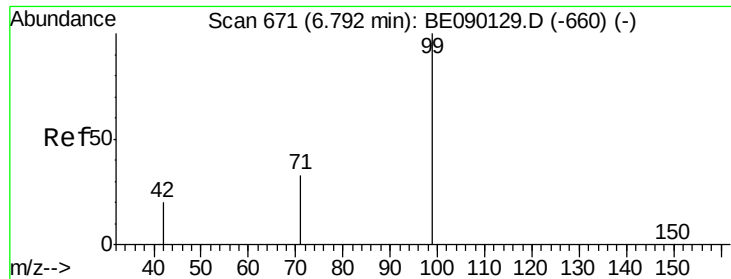
64 68.6 55.4 83.2

63 35.8 29.3 43.9



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: 5.55 ng

RT: 6.79 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

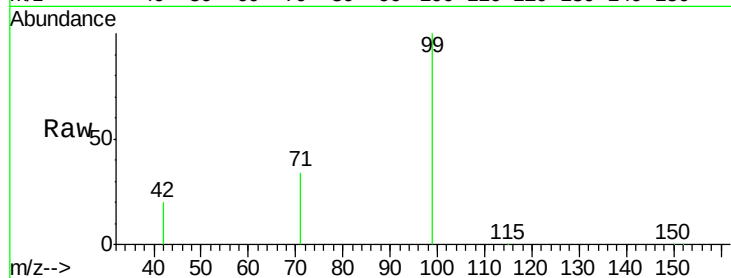
Tgt Ion: 99 Resp: 19218

Ion Ratio Lower Upper

99 100

42 20.4 16.8 25.2

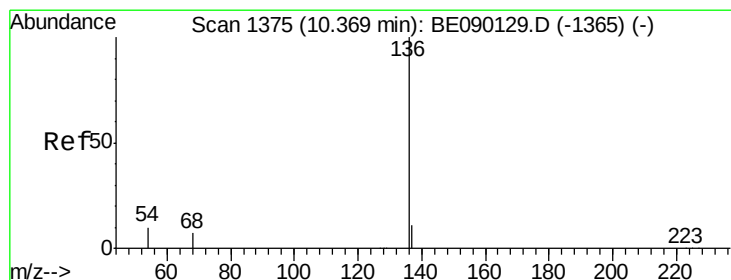
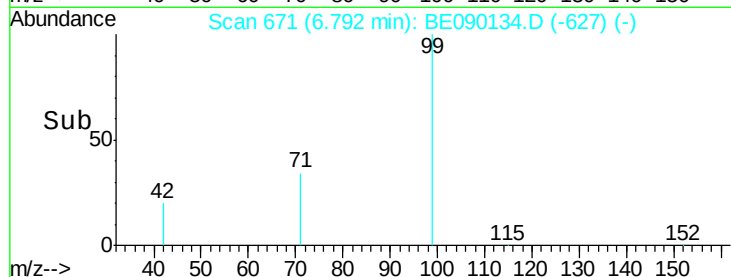
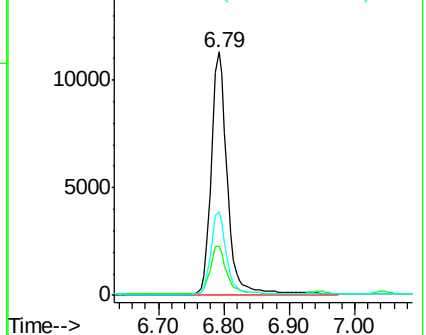
71 33.7 26.6 39.8



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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Tgt Ion: 136 Resp: 47743

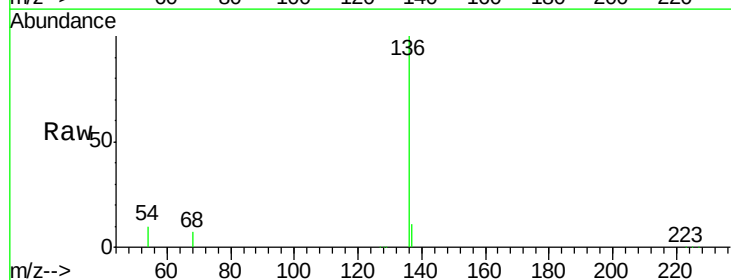
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.9 7.8 11.8

68 7.2 5.8 8.8

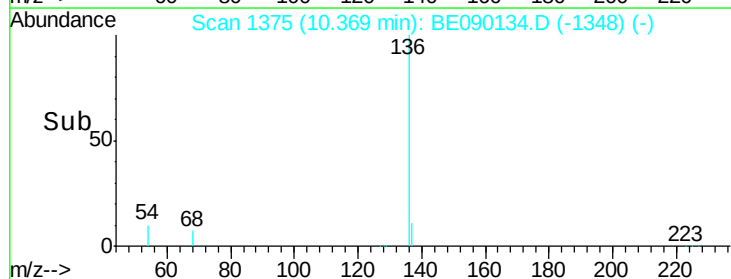
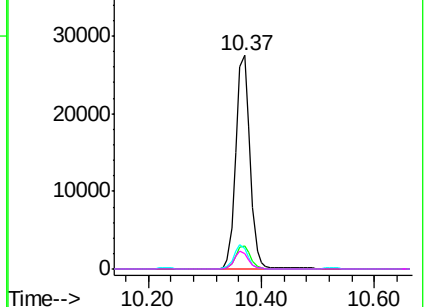


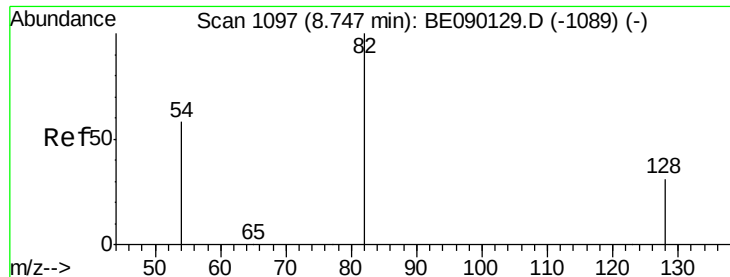
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.42 ng

RT: 8.75 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

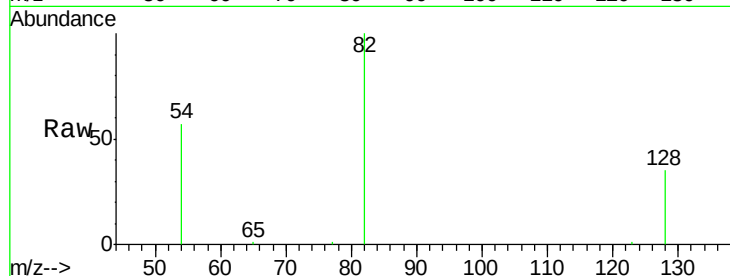
Tgt Ion: 82 Resp: 12095

Ion Ratio Lower Upper

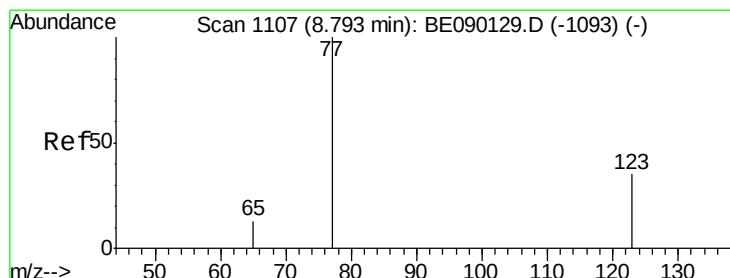
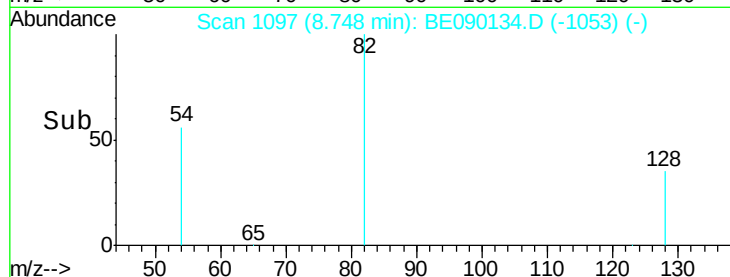
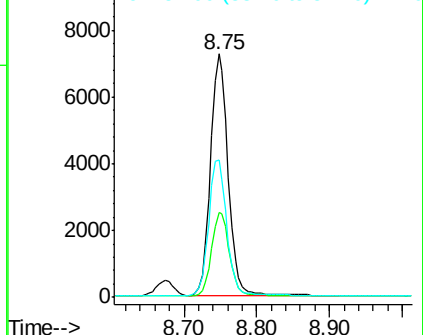
82 100

128 35.0 26.2 39.2

54 56.6 47.1 70.7



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



#8

Nitrobenzene

Concen: 2.71 ng

RT: 8.79 min Scan# 1106

Delta R.T. -0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

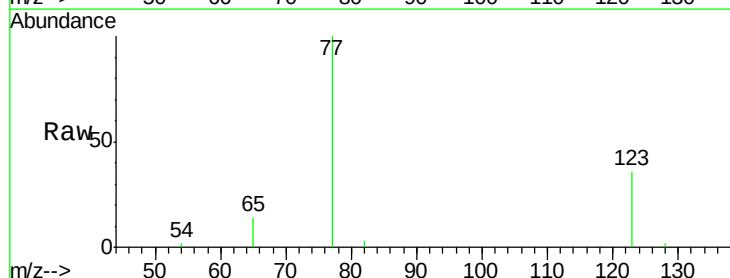
Tgt Ion: 77 Resp: 10086

Ion Ratio Lower Upper

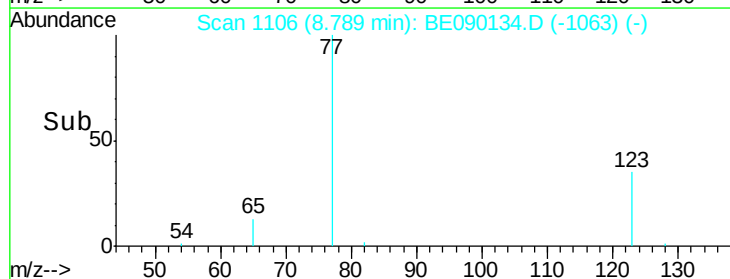
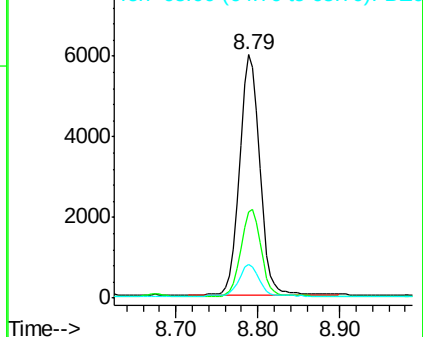
77 100

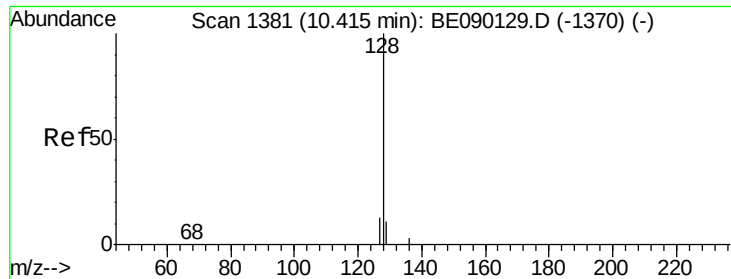
123 36.2 28.5 42.7

65 13.1 10.2 15.2



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 2.50 ng

RT: 10.41 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

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PB84555BS

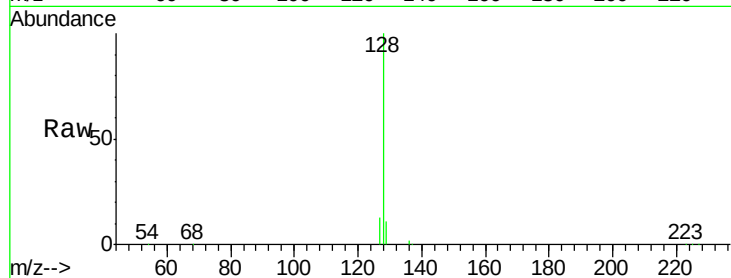
Tgt Ion:128 Resp: 26992

Ion Ratio Lower Upper

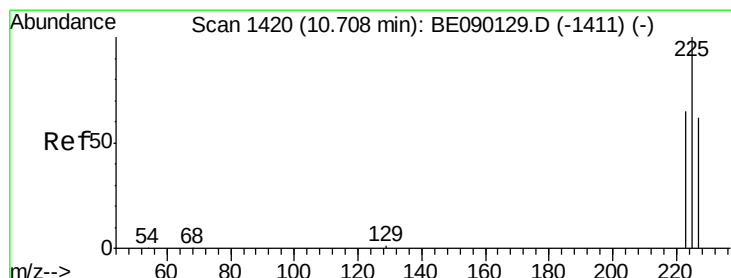
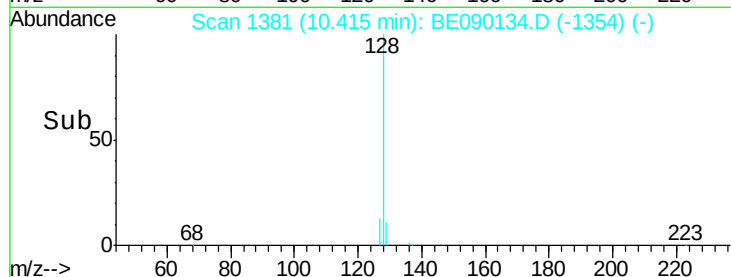
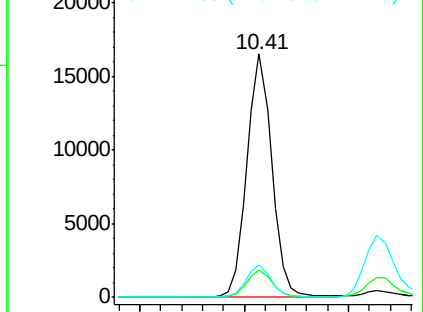
128 100

129 11.2 9.2 13.8

127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 2.44 ng

RT: 10.71 min Scan# 1420

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

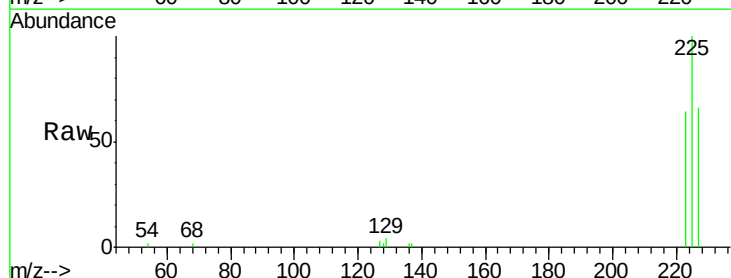
Tgt Ion:225 Resp: 4446

Ion Ratio Lower Upper

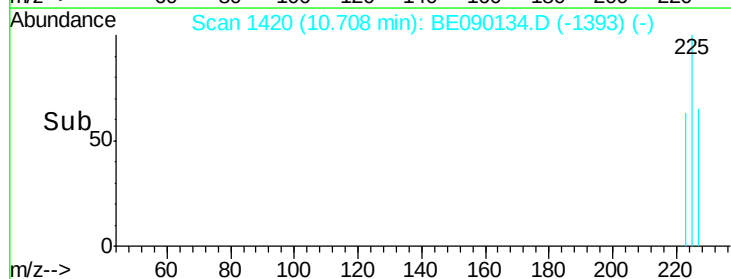
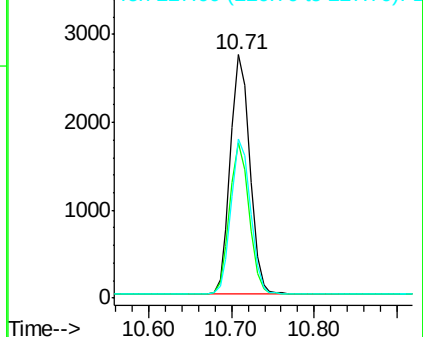
225 100

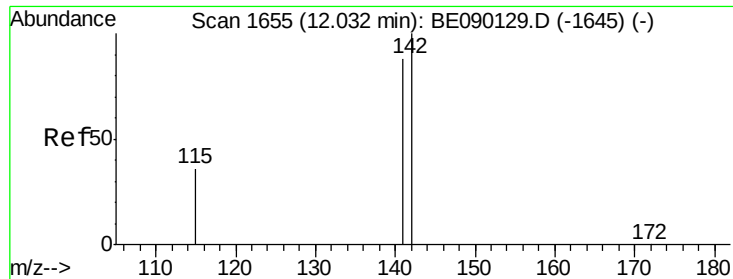
223 63.2 50.2 75.2

227 64.6 51.3 76.9



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

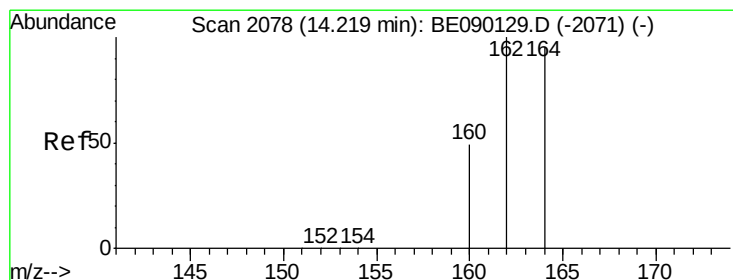
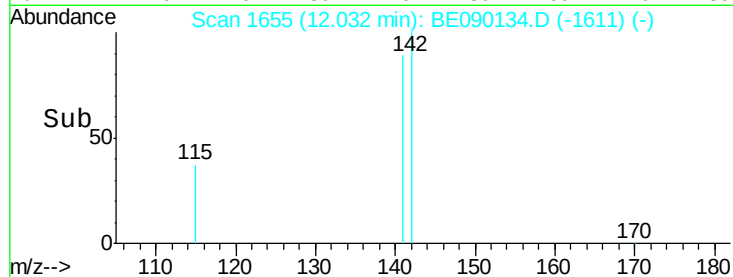
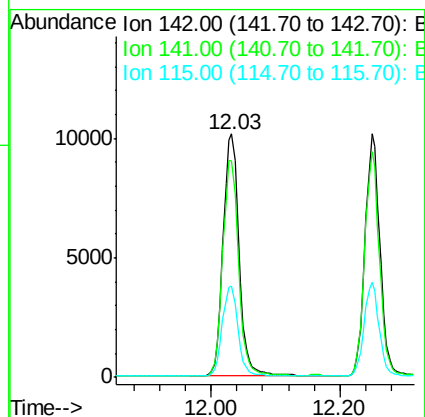
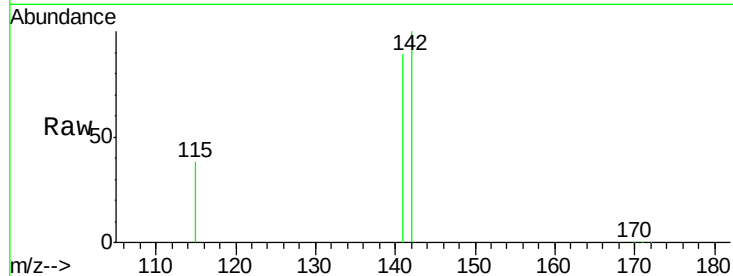




#11
2-Methylnaphthalene
Concen: 2.54 ng
RT: 12.03 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE090134.D
Acq: 17 Jul 2015 00:30

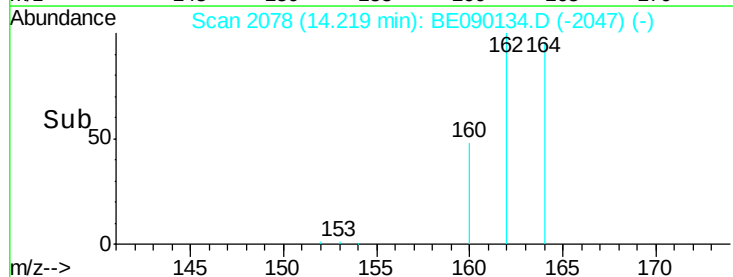
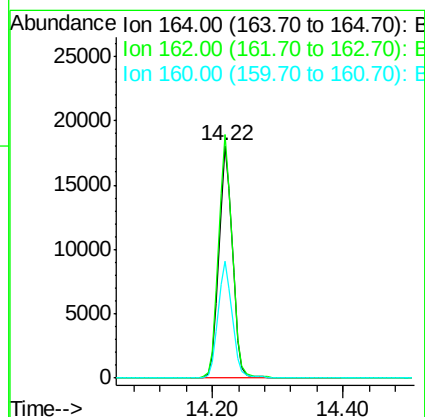
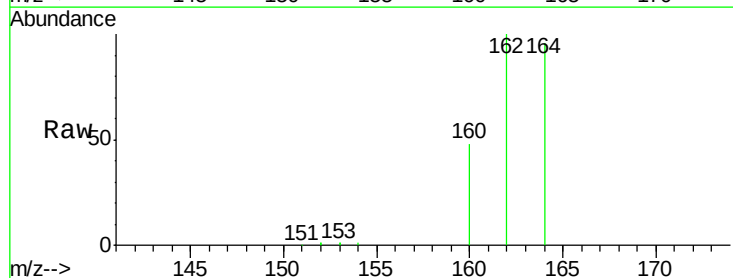
Instrument :
BNA_E
ClientSampleId :
PB84555BS

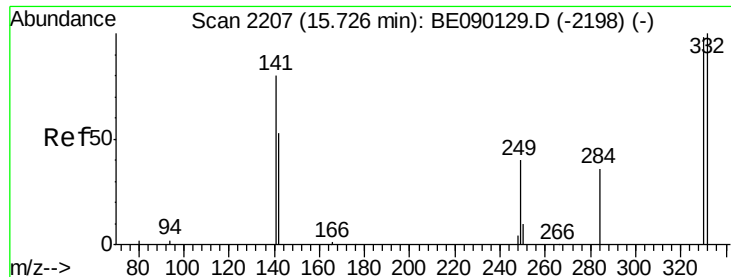
Tgt Ion:142 Resp: 17558
Ion Ratio Lower Upper
142 100
141 89.2 70.6 105.8
115 37.6 29.4 44.0



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.22 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BE090134.D
Acq: 17 Jul 2015 00:30

Tgt Ion:164 Resp: 25823
Ion Ratio Lower Upper
164 100
162 104.7 84.0 126.0
160 50.5 41.1 61.7

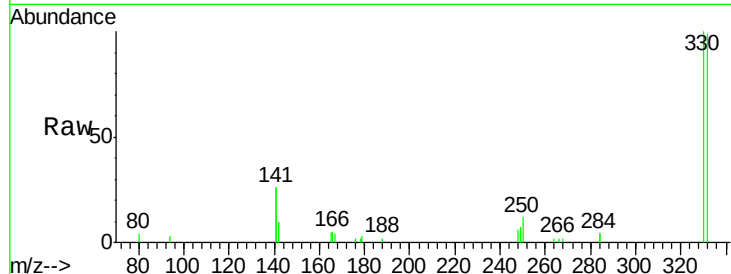




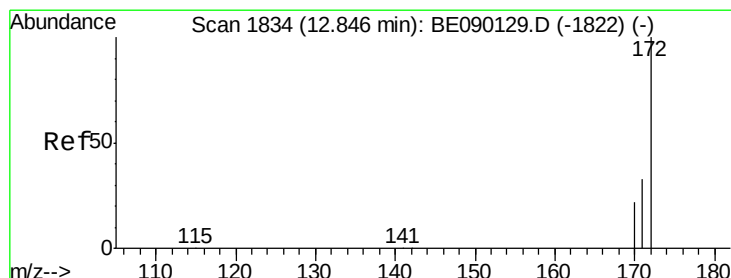
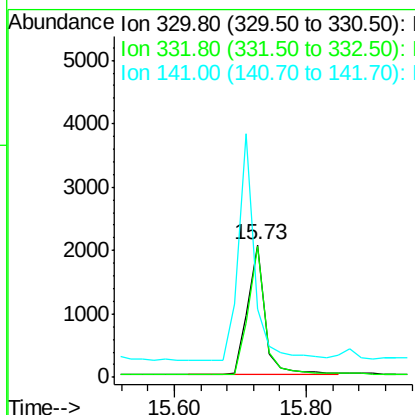
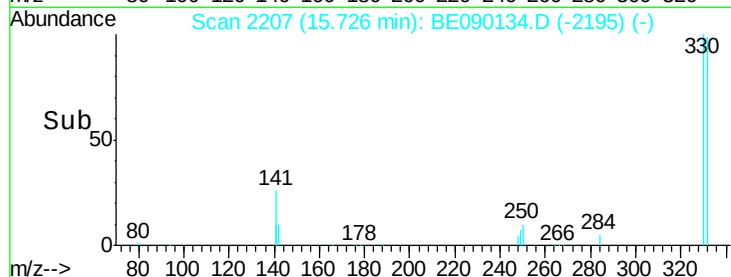
#13
 2,4,6-Tribromophenol
 Concen: 5.11 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: BE090134.D
 Acq: 17 Jul 2015 00:30

Instrument :
 BNA_E
 ClientSampleId :
 PB84555BS

Tgt Ion: 330 Resp: 3828
 Ion Ratio Lower Upper
 330 100
 332 96.2 79.4 119.0
 141 162.2 160.2 240.2

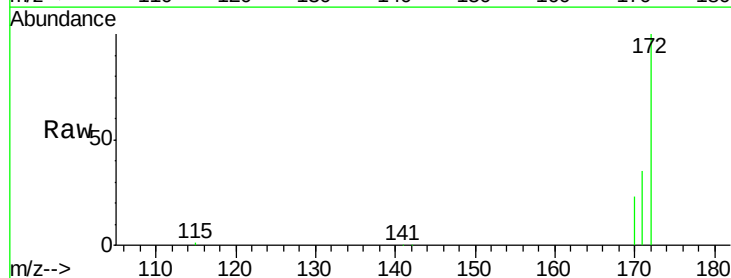


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

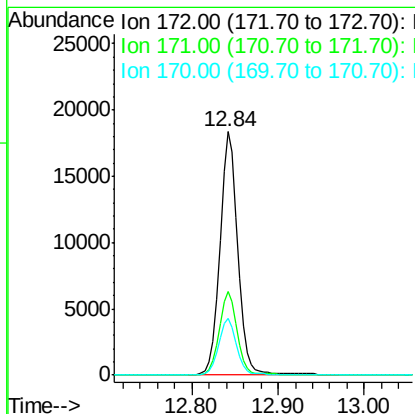
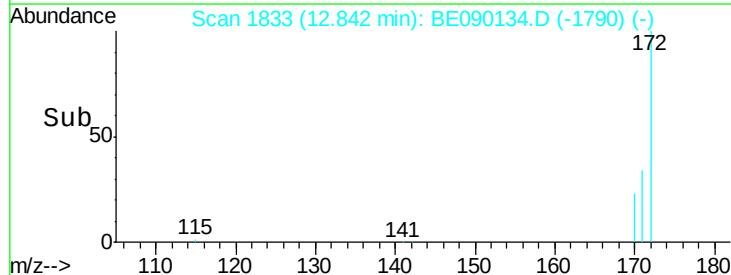


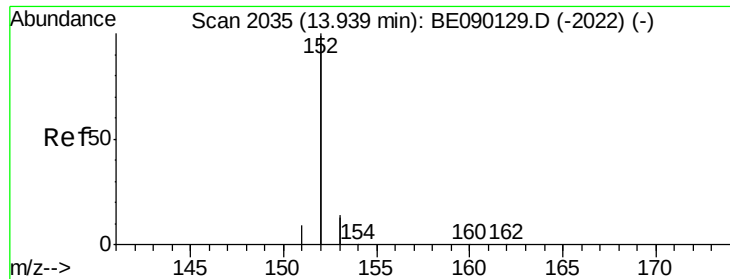
#14
 2-Fluorobiphenyl
 Concen: 3.33 ng
 RT: 12.84 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BE090134.D
 Acq: 17 Jul 2015 00:30

Tgt Ion: 172 Resp: 26474
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.1 40.7
 170 23.5 17.9 26.9



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





#15

Acenaphthylene

Concen: 2.62 ng

RT: 13.93 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

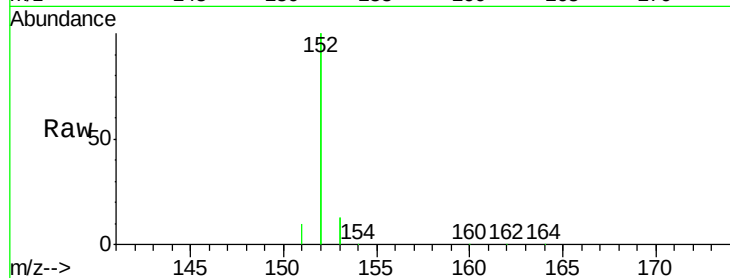
Tgt Ion:152 Resp: 120428

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

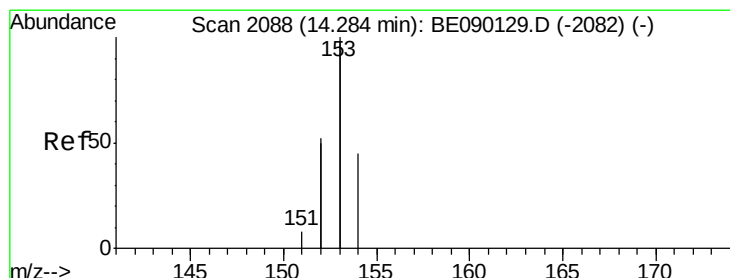
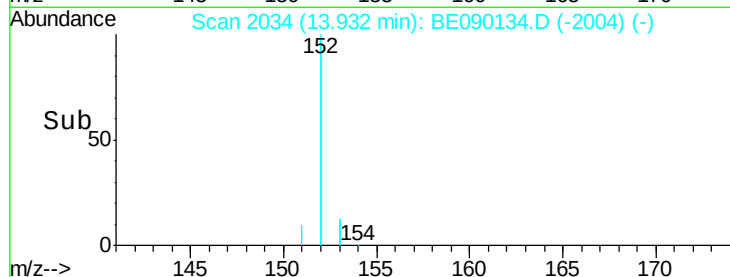
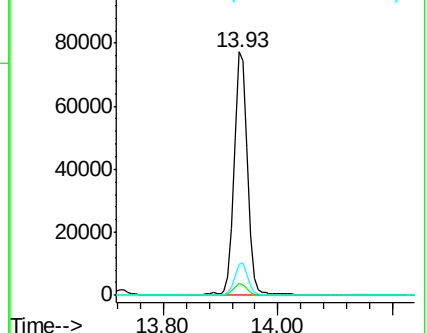
153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 2.65 ng

RT: 14.28 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

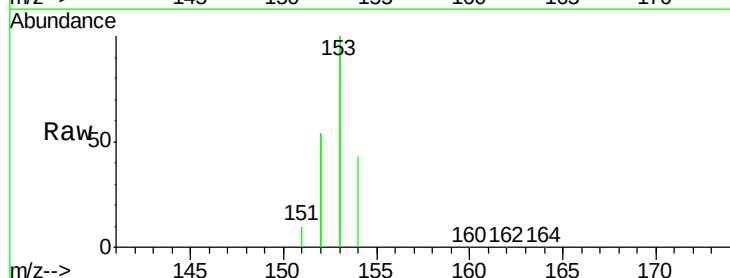
Tgt Ion:154 Resp: 17566

Ion Ratio Lower Upper

154 100

153 456.4 369.5 554.3

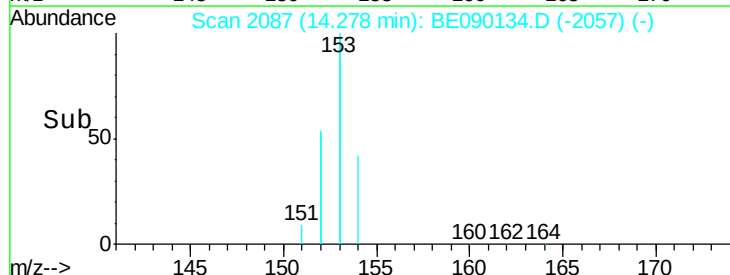
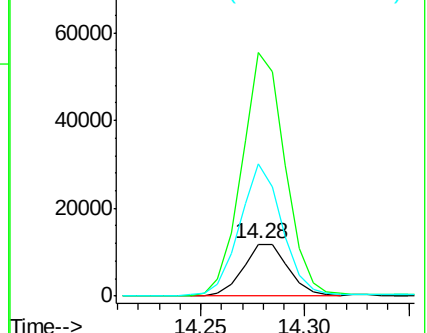
152 243.0 202.2 303.4

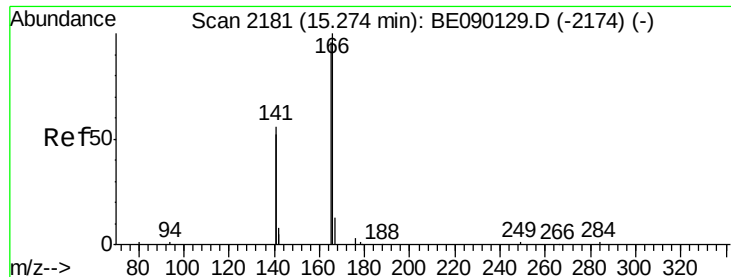


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

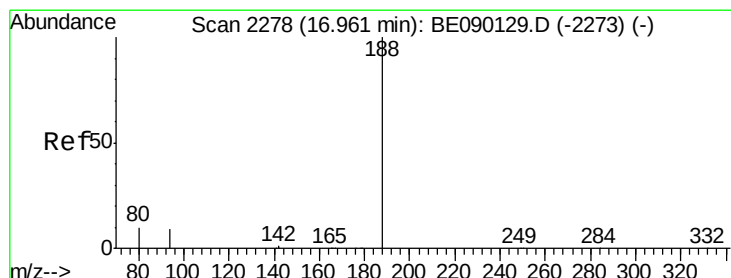
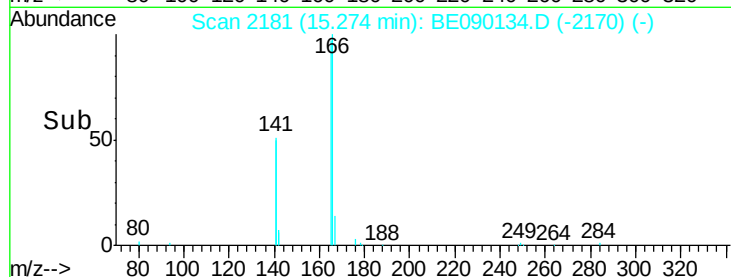
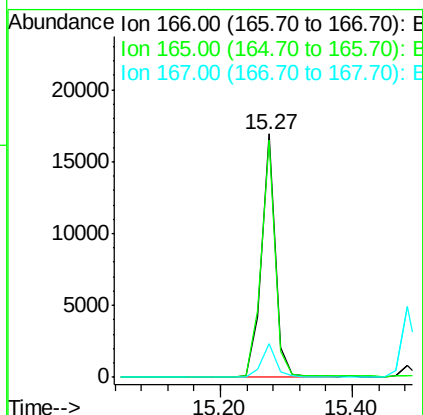
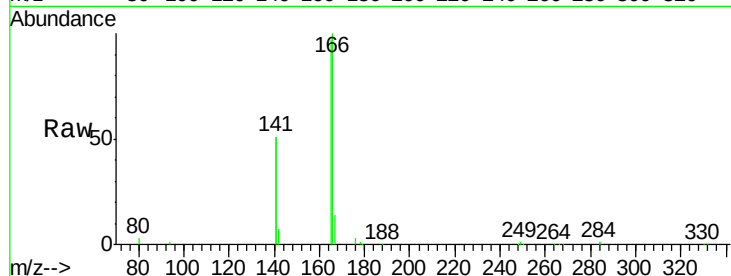




#17
Fluorene
 Concen: 2.82 ng
 RT: 15.27 min Scan# 2181
 Delta R.T. 0.00 min
 Lab File: BE090134.D
 Acq: 17 Jul 2015 00:30

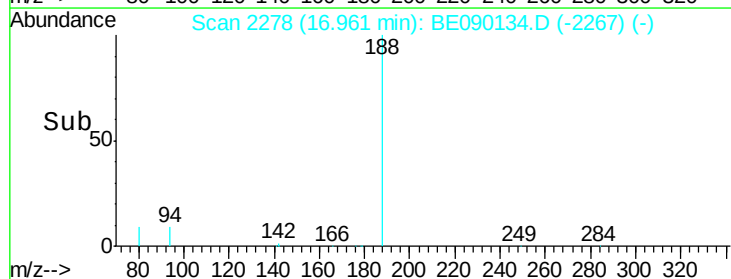
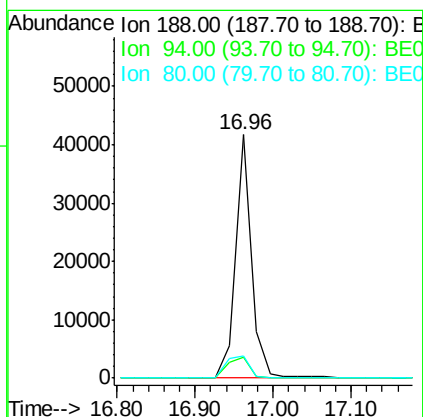
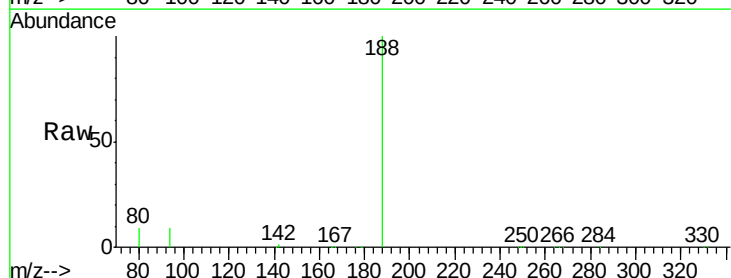
Instrument :
 BNA_E
 ClientSampleId :
 PB84555BS

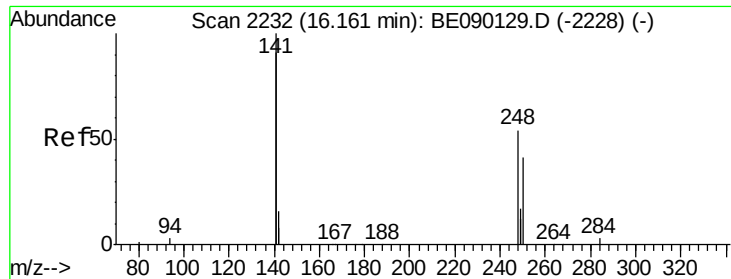
Tgt Ion:166 Resp: 24458
 Ion Ratio Lower Upper
 166 100
 165 99.2 78.7 118.1
 167 13.7 11.1 16.7



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.96 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: BE090134.D
 Acq: 17 Jul 2015 00:30

Tgt Ion:188 Resp: 59156
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.3 10.9
 80 9.1 8.0 12.0

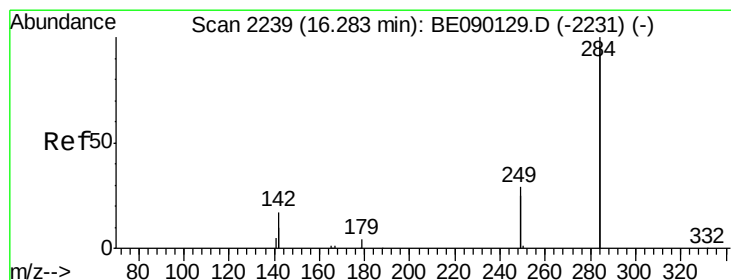
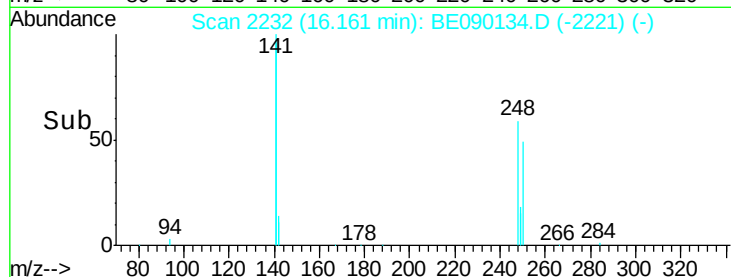
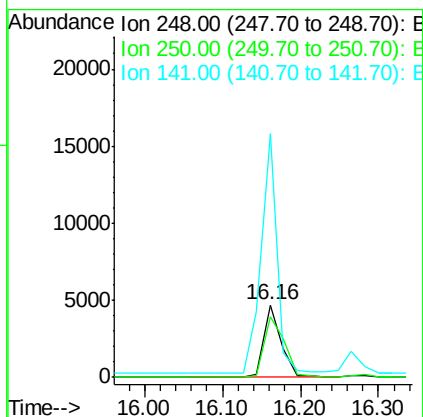
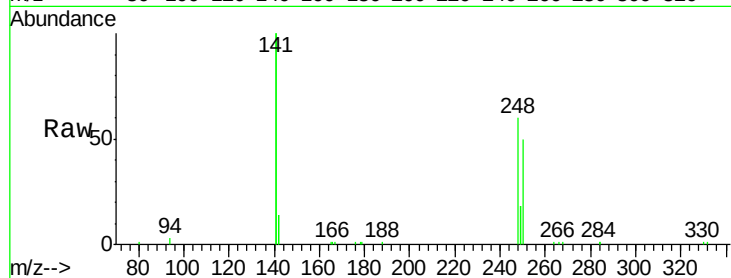




#19
4-Bromophenyl-phenylether
Concen: 2.82 ng
RT: 16.16 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BE090134.D
Acq: 17 Jul 2015 00:30

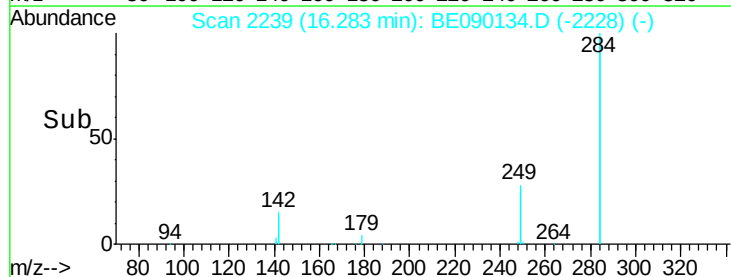
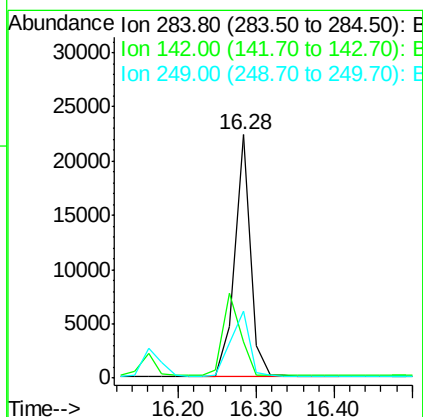
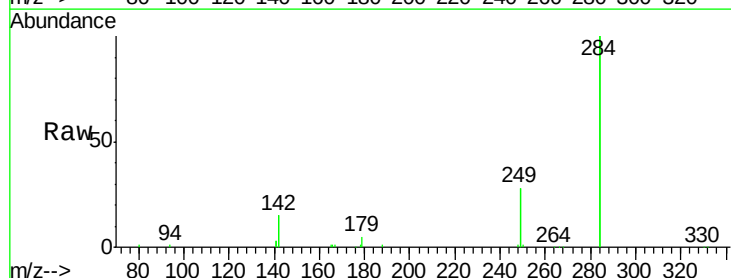
Instrument :
BNA_E
ClientSampleId :
PB84555BS

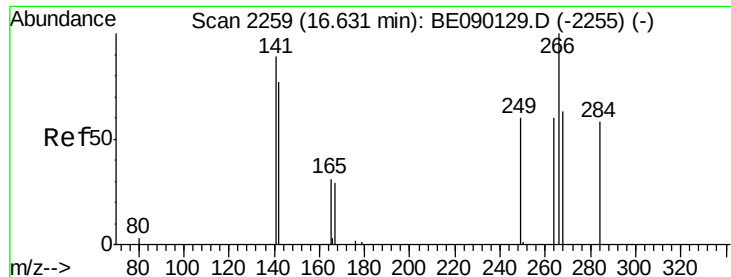
Tgt Ion:248 Resp: 7153
Ion Ratio Lower Upper
248 100
250 97.5 76.2 114.4
141 308.7 246.0 369.0



#20
Hexachlorobenzene
Concen: 2.83 ng
RT: 16.28 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE090134.D
Acq: 17 Jul 2015 00:30

Tgt Ion:284 Resp: 31181
Ion Ratio Lower Upper
284 100
142 37.9 30.2 45.4
249 31.9 25.5 38.3





#21

Pentachlorophenol

Concen: 4.65 ng

RT: 16.63 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

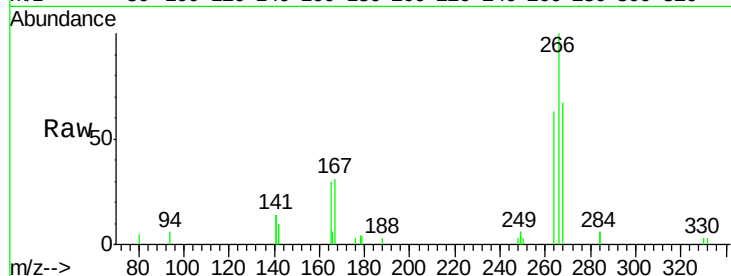
Tgt Ion:266 Resp: 3605

Ion Ratio Lower Upper

266 100

268 66.8 58.2 87.2

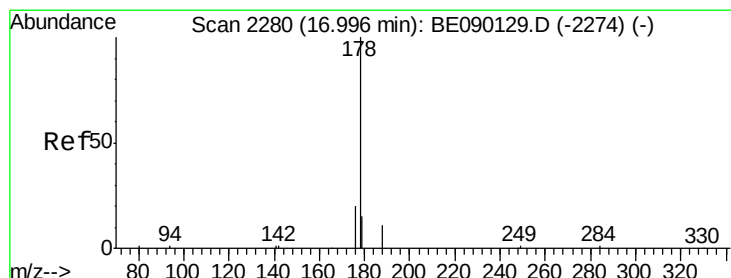
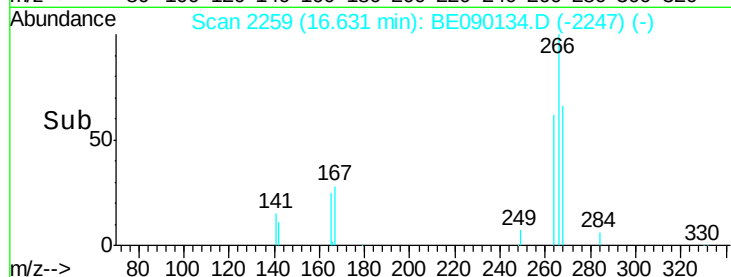
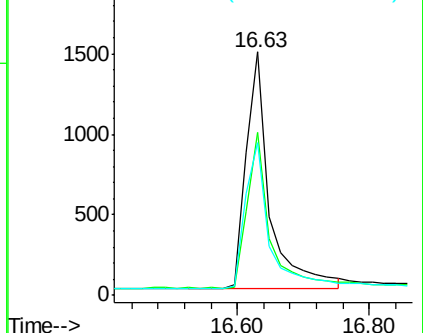
264 62.9 55.8 83.6



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#22

Phenanthrene

Concen: 2.82 ng

RT: 17.00 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

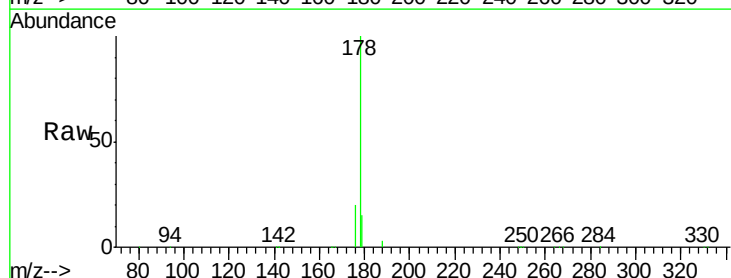
Tgt Ion:178 Resp: 41932

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

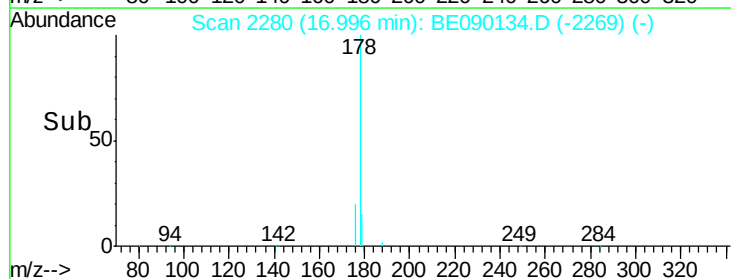
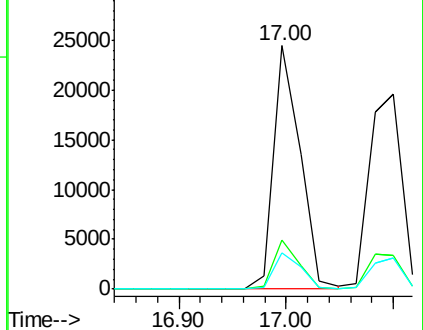
179 15.3 12.2 18.4

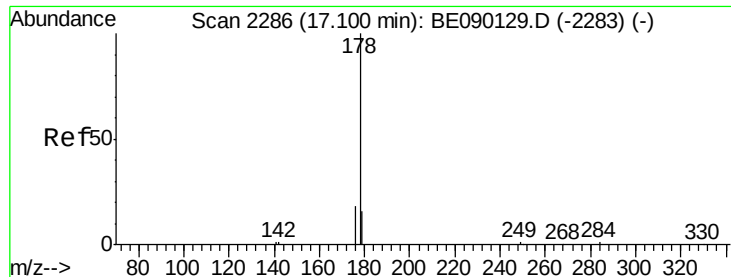


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 3.13 ng

RT: 17.10 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

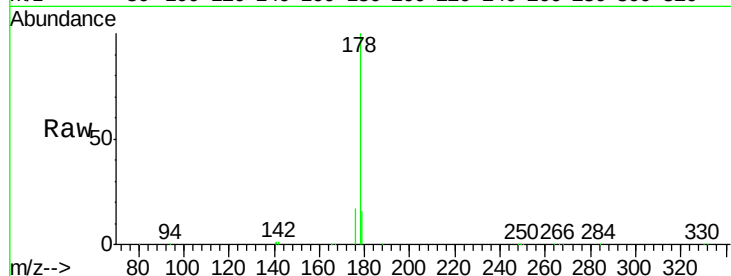
Tgt Ion:178 Resp: 41342

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

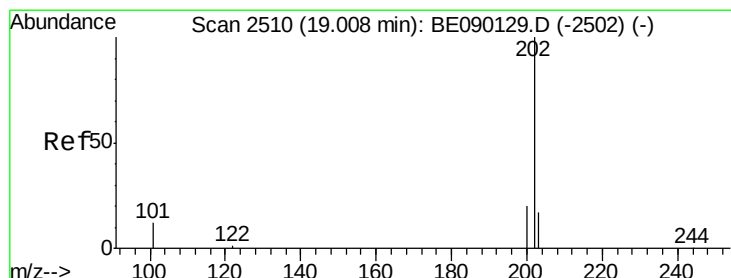
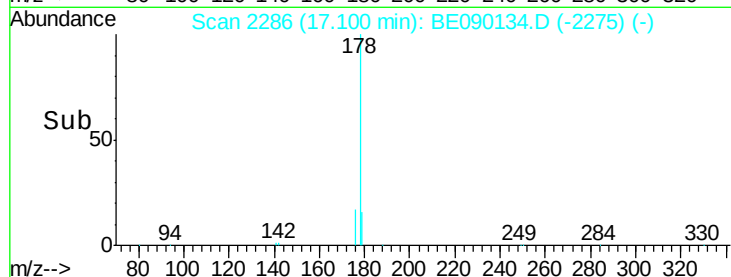
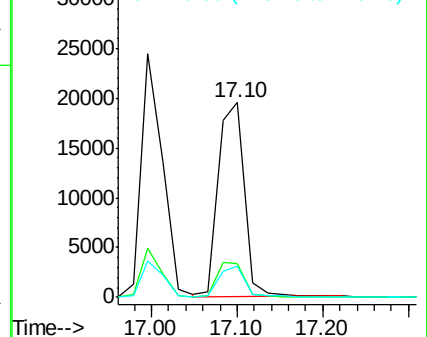
179 15.4 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 3.25 ng

RT: 19.00 min Scan# 2509

Delta R.T. -0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

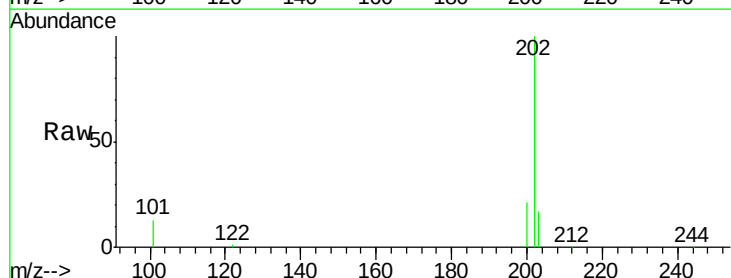
Tgt Ion:202 Resp: 47839

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

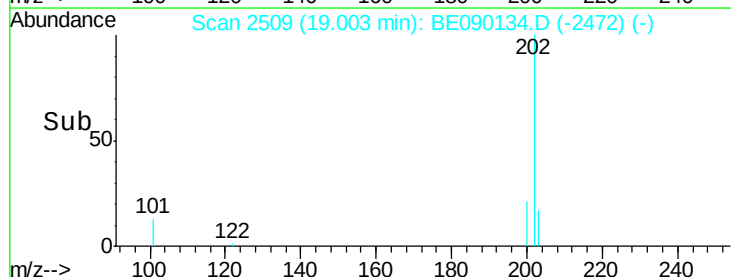
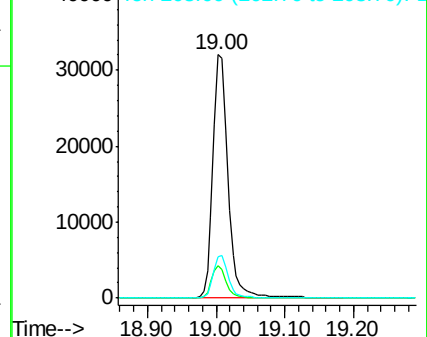
203 17.3 13.8 20.8

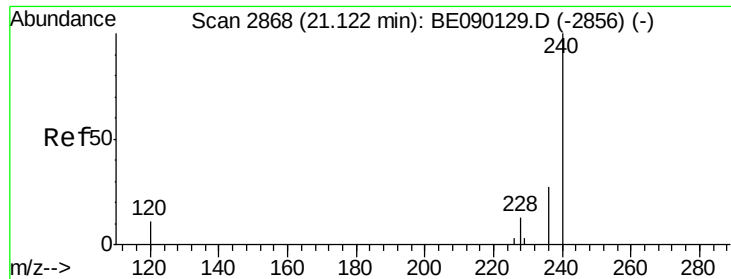


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

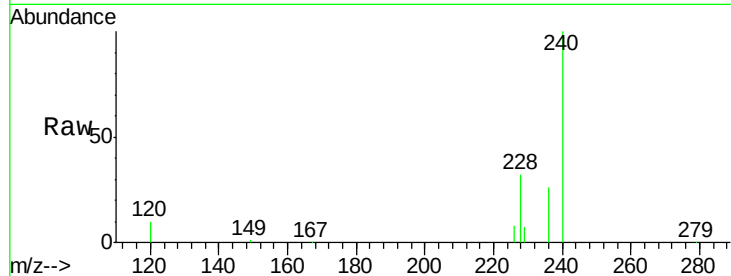
Tgt Ion:240 Resp: 65567

Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

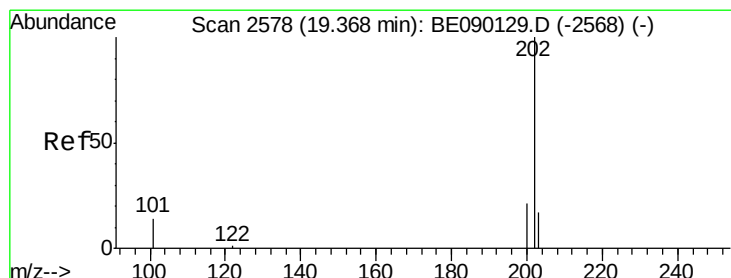
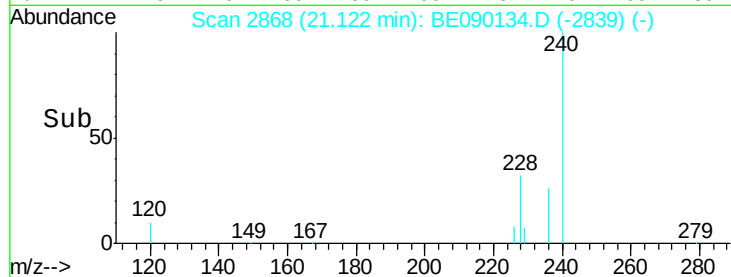
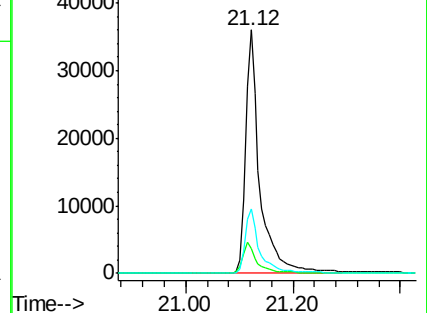
236 26.4 21.4 32.0



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

Pyrene

Concen: 2.88 ng

RT: 19.36 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

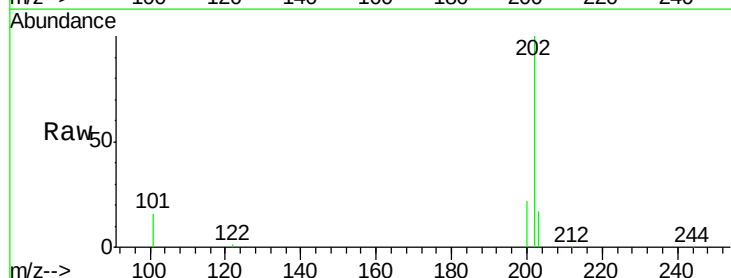
Tgt Ion:202 Resp: 51094

Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

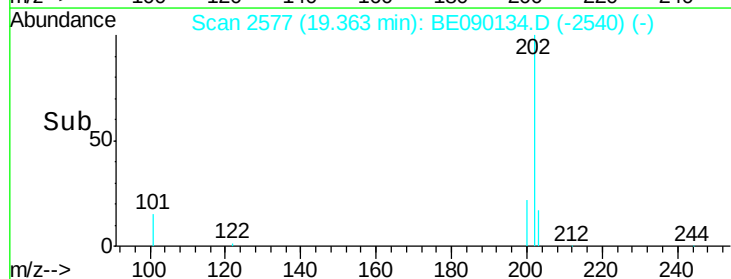
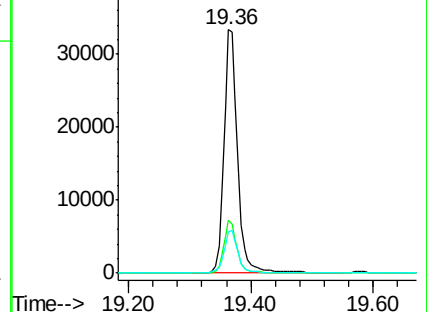
203 17.8 13.9 20.9

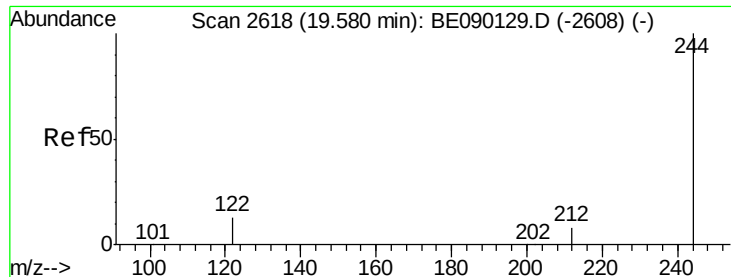


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

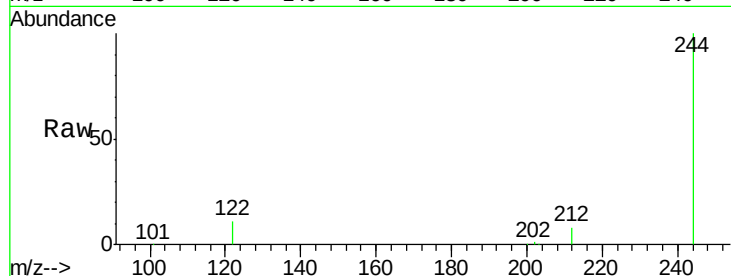




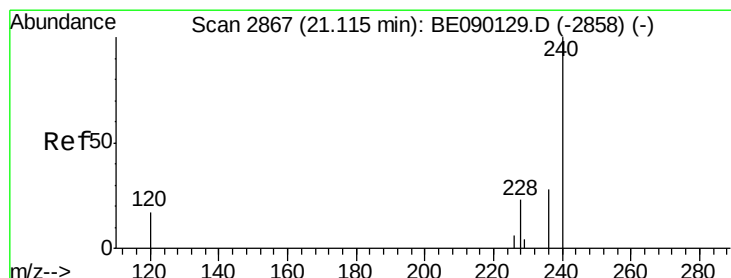
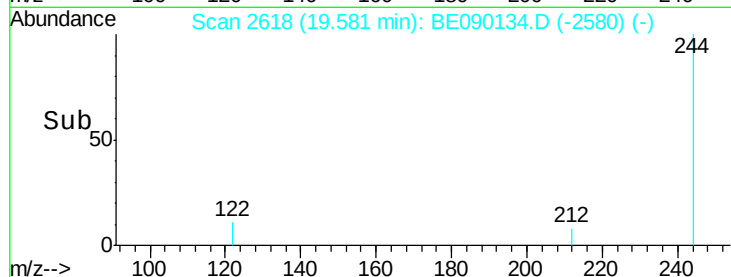
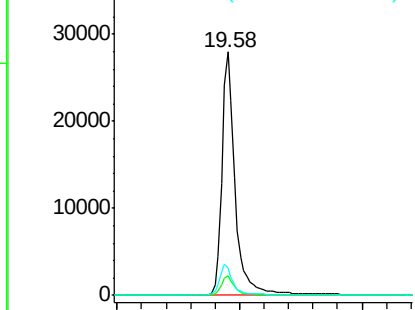
#27
 Terphenyl-d14
 Concen: 3.83 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. 0.00 min
 Lab File: BE090134.D
 Acq: 17 Jul 2015 00:30

Instrument :
 BNA_E
 ClientSampleId :
 PB84555BS

Tgt Ion:244 Resp: 42109
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.7 10.1
 122 11.3 10.7 16.1

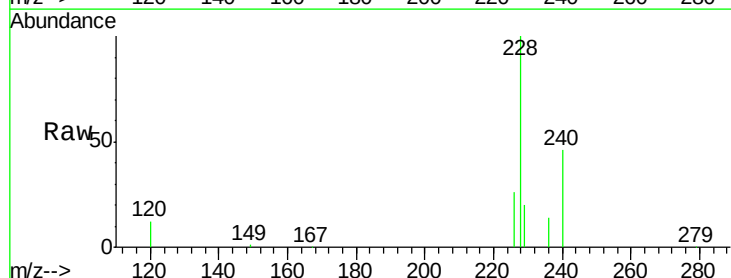


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

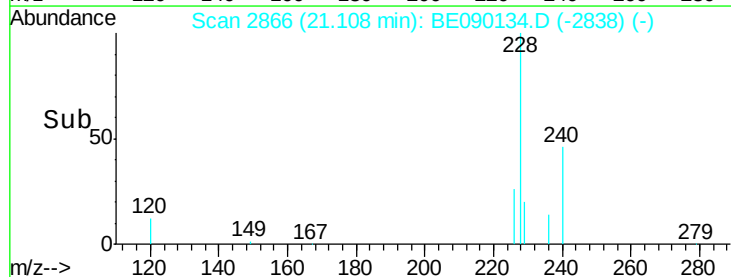
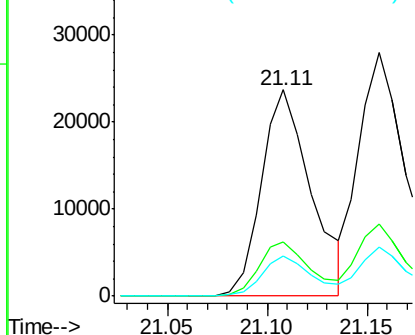


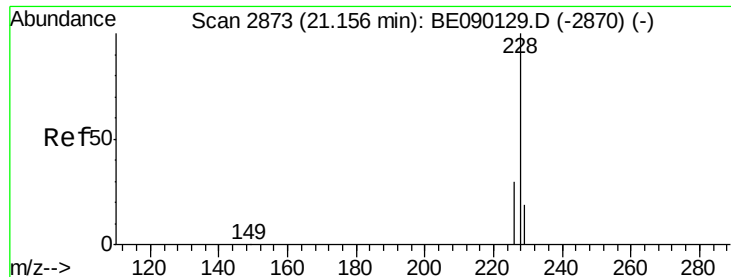
#28
 Benzo(a)anthracene
 Concen: 3.64 ng
 RT: 21.11 min Scan# 2866
 Delta R.T. -0.01 min
 Lab File: BE090134.D
 Acq: 17 Jul 2015 00:30

Tgt Ion:228 Resp: 40498
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.3 31.9
 229 19.7 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 2.76 ng

RT: 21.16 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

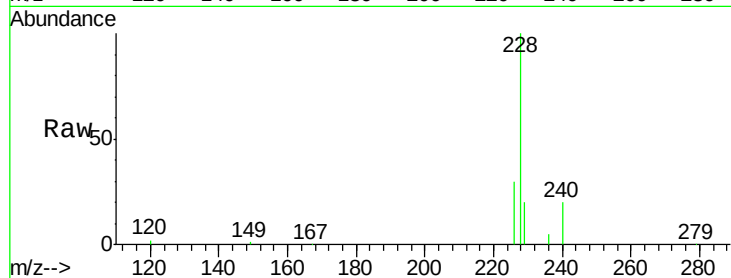
Tgt Ion:228 Resp: 54452

Ion Ratio Lower Upper

228 100

226 29.5 23.5 35.3

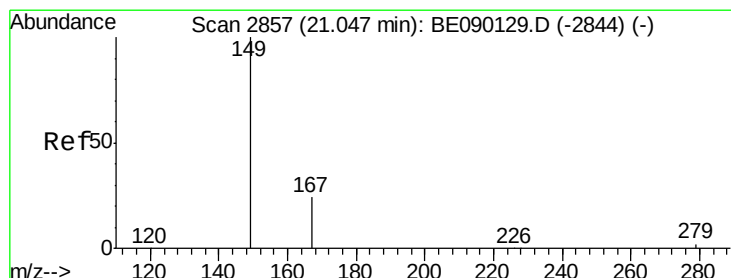
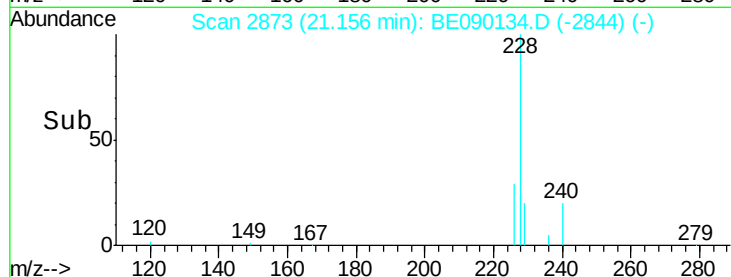
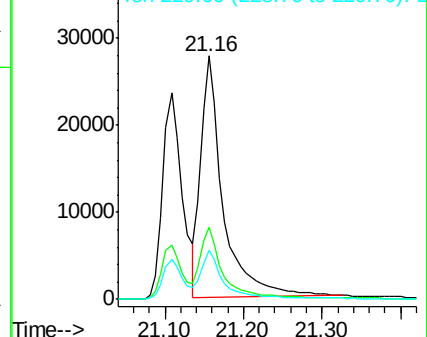
229 20.0 16.0 24.0



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 3.95 ng

RT: 21.05 min Scan# 2858

Delta R.T. 0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

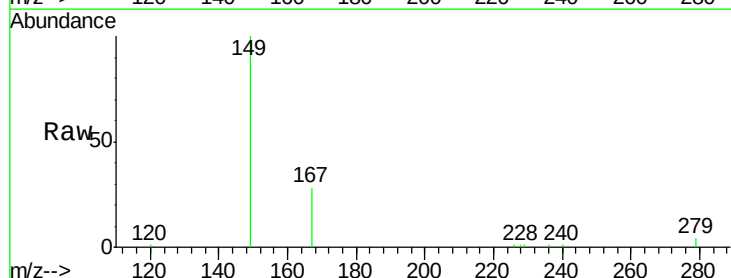
Tgt Ion:149 Resp: 9331

Ion Ratio Lower Upper

149 100

167 26.2 18.6 27.8

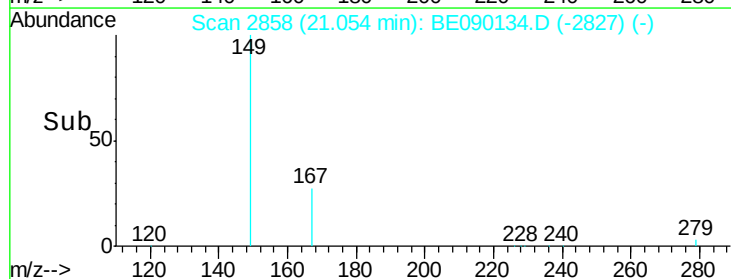
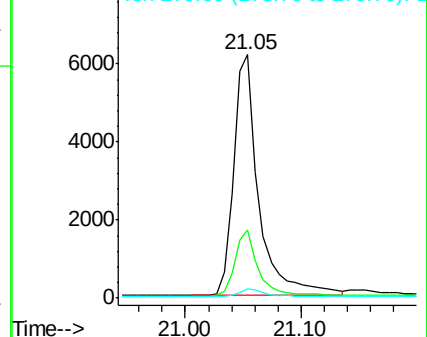
279 3.2 2.2 3.4

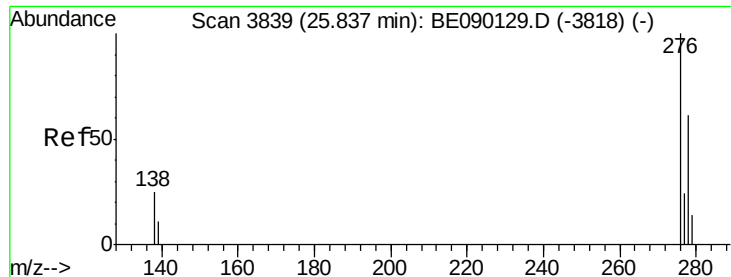


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 6.36 ng

RT: 25.85 min Scan# 3841

Delta R.T. 0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

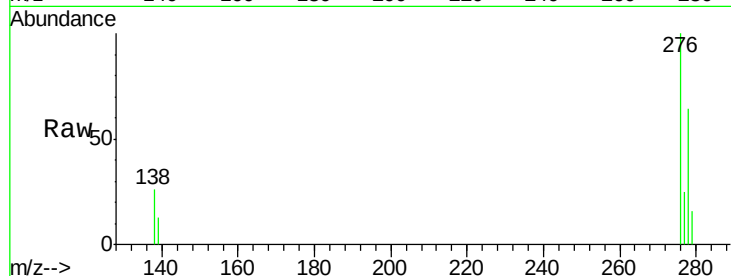
Tgt Ion:276 Resp: 22128

Ion Ratio Lower Upper

276 100

138 26.1 17.3 25.9#

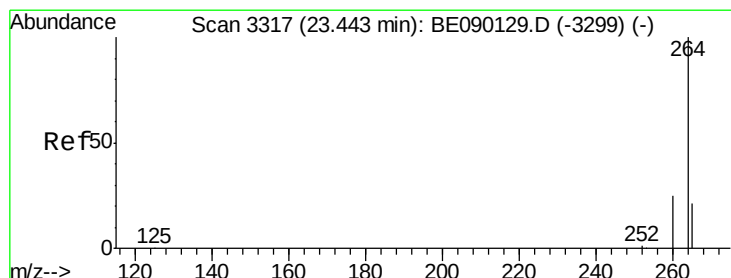
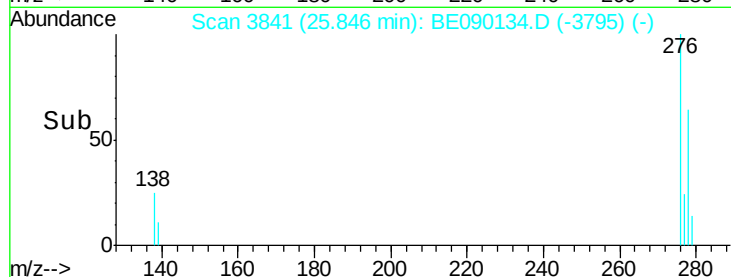
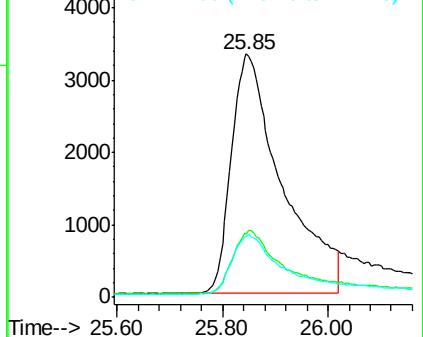
277 24.6 17.3 25.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3316

Delta R.T. -0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

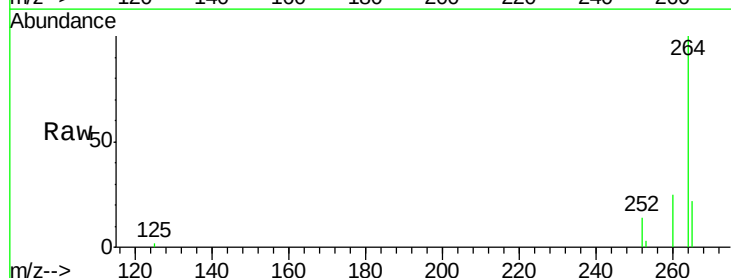
Tgt Ion:264 Resp: 50150

Ion Ratio Lower Upper

264 100

260 25.0 19.9 29.9

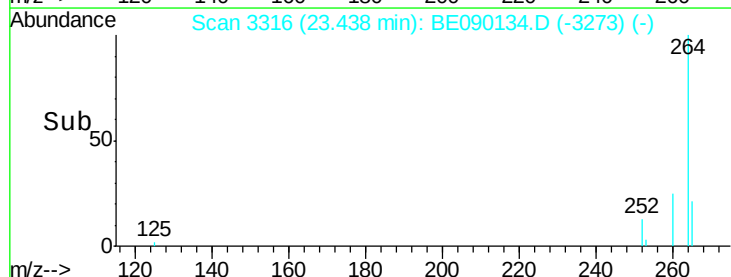
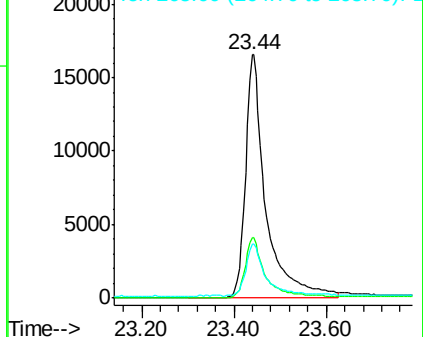
265 22.0 17.8 26.8

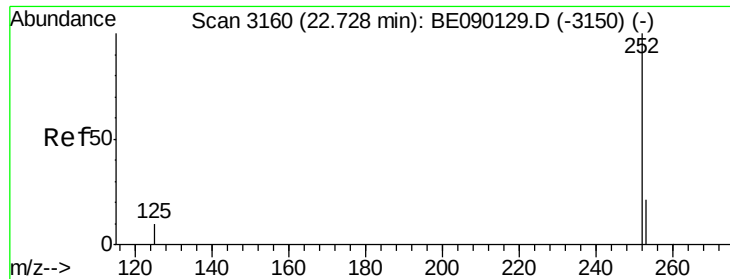


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 5.22 ng

RT: 22.74 min Scan# 3162

Delta R.T. 0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

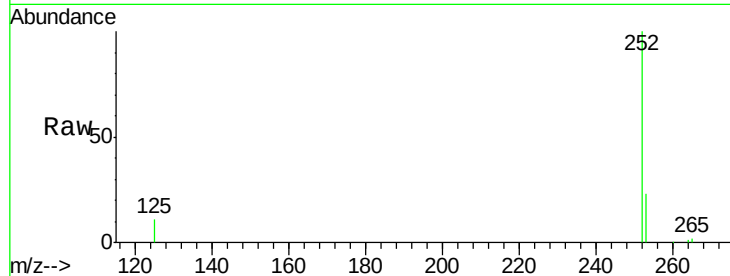
Tgt Ion:252 Resp: 19030

Ion Ratio Lower Upper

252 100

253 22.6 19.0 28.6

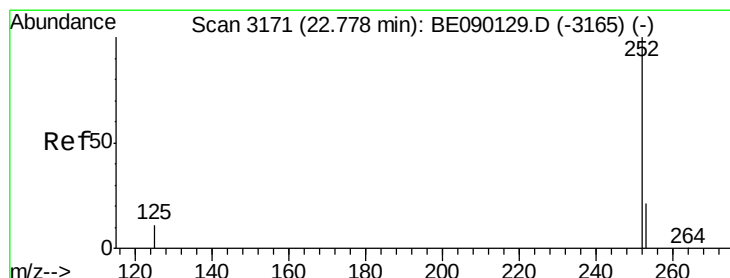
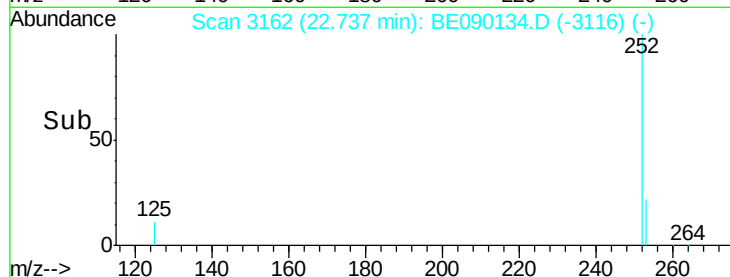
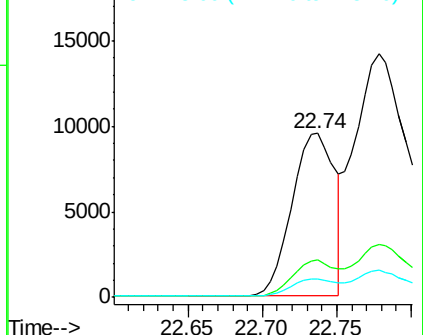
125 11.2 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 3.04 ng

RT: 22.78 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

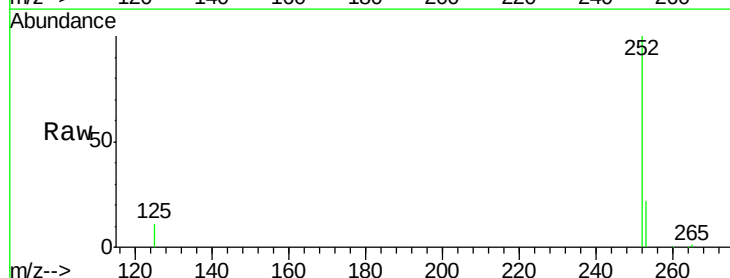
Tgt Ion:252 Resp: 44895

Ion Ratio Lower Upper

252 100

253 22.0 18.7 28.1

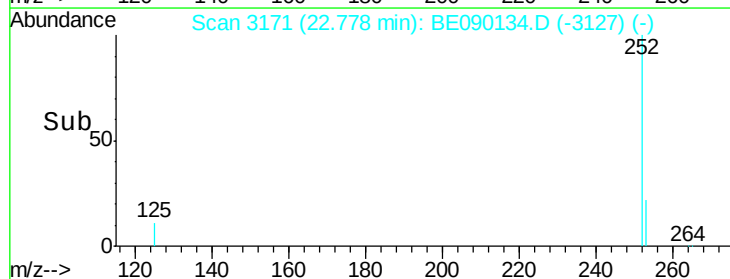
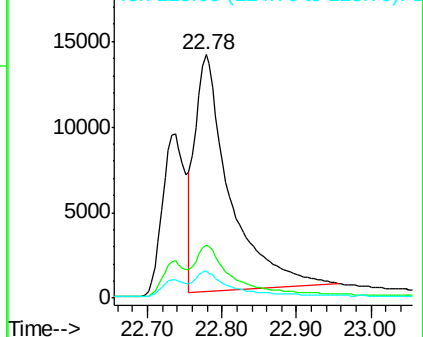
125 11.0 10.5 15.7

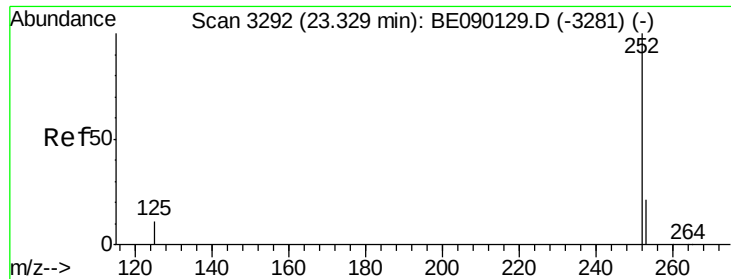


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 2.72 ng

RT: 23.34 min Scan# 3294

Delta R.T. 0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS

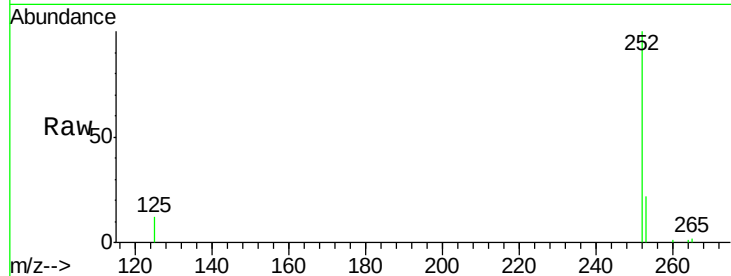
Tgt Ion: 252 Resp: 24940

Ion Ratio Lower Upper

252 100

253 22.2 19.4 29.2

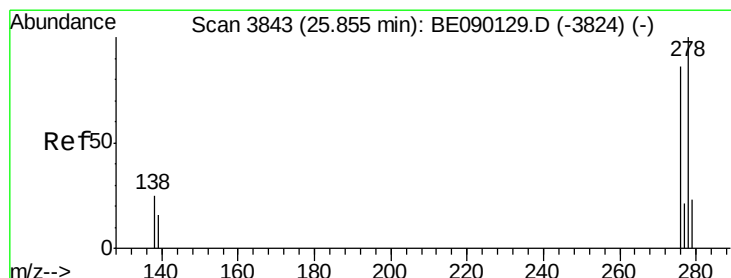
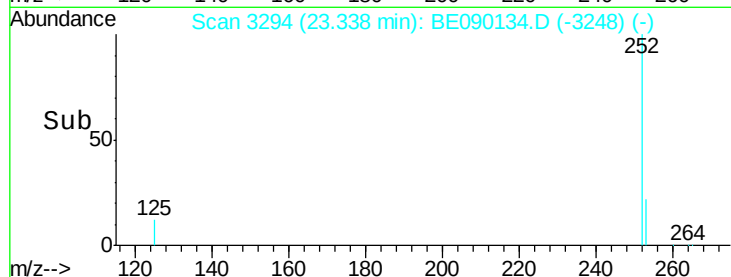
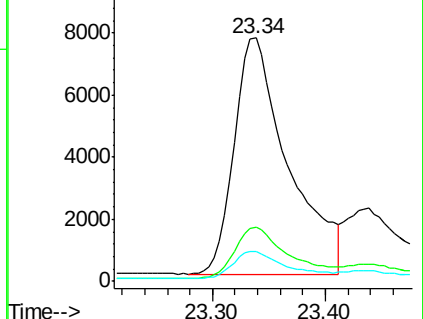
125 12.5 11.9 17.9



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



#36

Dibenzo(a,h)anthracene

Concen: 6.10 ng

RT: 25.86 min Scan# 3844

Delta R.T. 0.01 min

Lab File: BE090134.D

Acq: 17 Jul 2015 00:30

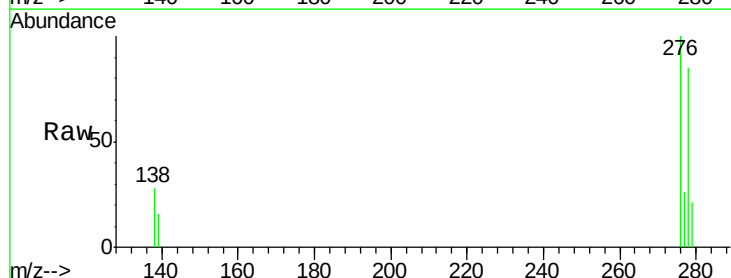
Tgt Ion: 278 Resp: 15204

Ion Ratio Lower Upper

278 100

139 18.7 18.3 27.5

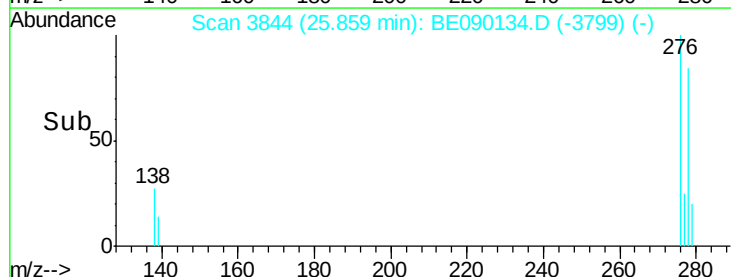
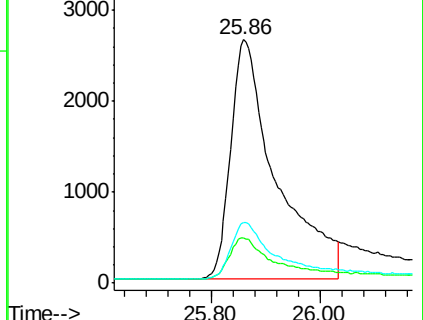
279 24.7 23.3 34.9

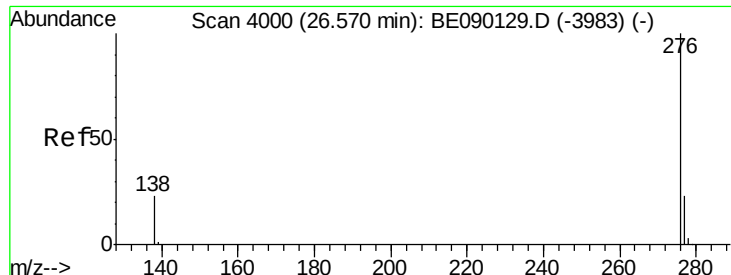


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 2.79 ng

RT: 26.58 min Scan# 4003

Delta R.T. 0.01 min

Lab File: BE090134.D

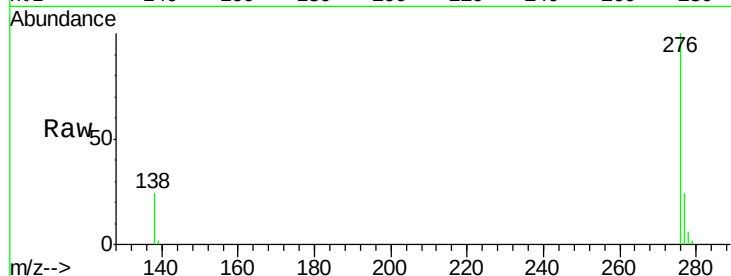
Acq: 17 Jul 2015 00:30

Instrument :

BNA_E

ClientSampleId :

PB84555BS



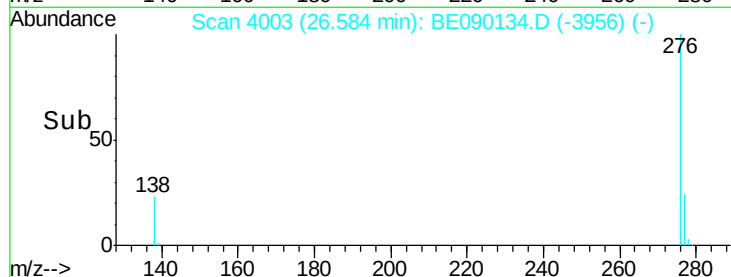
Tgt Ion: 276 Resp: 26315

Ion Ratio Lower Upper

276 100

277 24.4 22.0 33.0

138 23.8 22.0 33.0



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

