

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071615\
 Data File : BE090136.D
 Acq On : 17 Jul 2015 1:44
 Operator : TP/IZ
 Sample : G2948-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EB-2015.07.09

Quant Time: Jul 17 13:24:50 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 12:59:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	11850	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	54007	5.00	ng	0.00
12) Acenaphthene-d10	14.22	164	30297	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	68931	5.00	ng	0.00
25) Chrysene-d12	21.12	240	65098	5.00	ng	0.00
32) Perylene-d12	23.44	264	49626	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	4618	1.82	ng	0.00
5) Phenol-d6	6.80	99	6567	1.83	ng	0.00
7) Nitrobenzene-d5	8.75	82	14257	3.56	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	2452	3.01	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	34339	3.68	ng	0.00
27) Terphenyl-d14	19.58	244	55700	5.10	ng	0.00

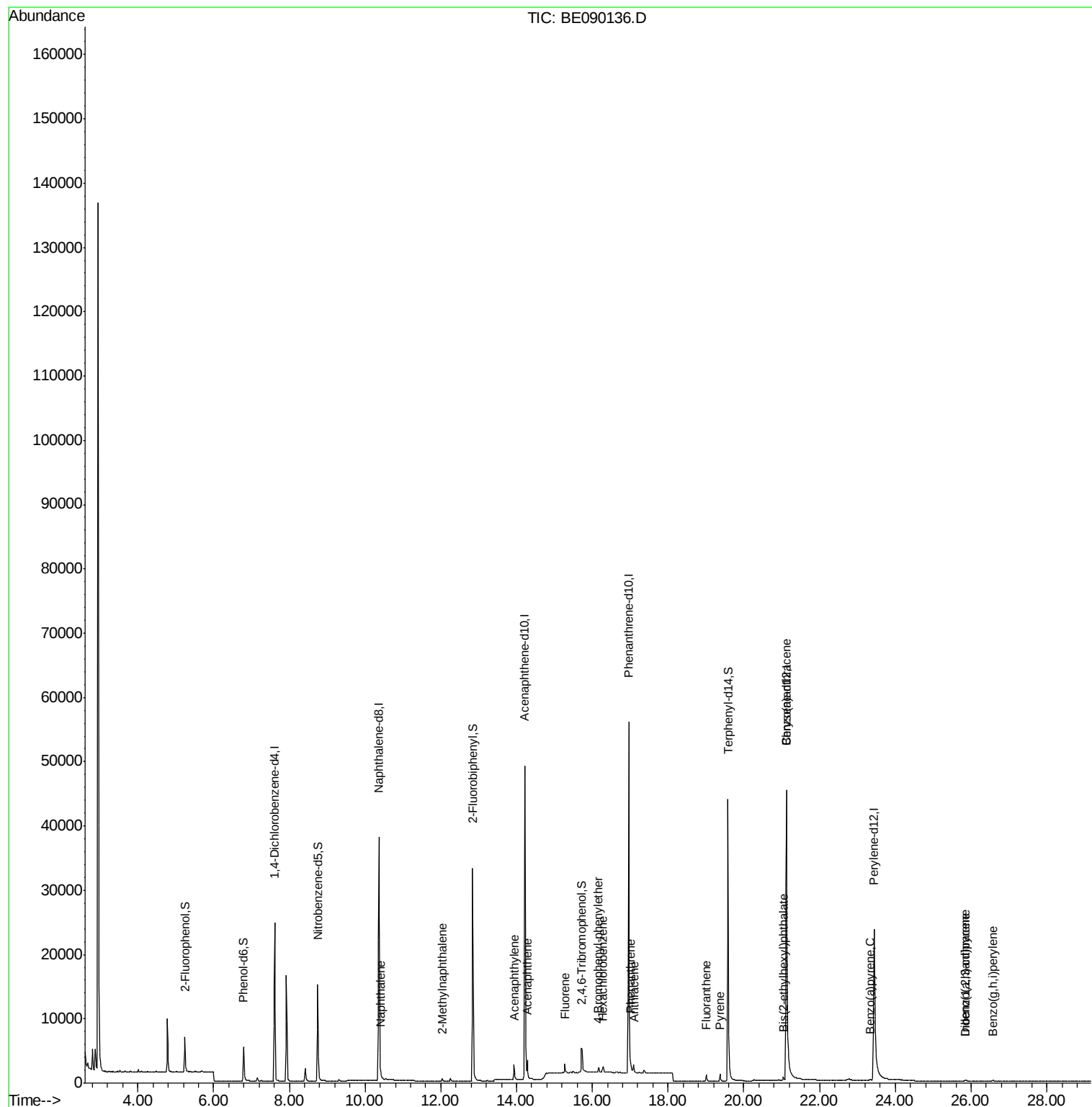
Target Compounds						Qvalue
9) Naphthalene	10.42	128	456	0.04	ng	# 66
11) 2-Methylnaphthalene	12.04	142	391	0.05	ng	# 91
15) Acenaphthylene	13.94	152	3136	0.06	ng	99
16) Acenaphthene	14.28	154	479	0.06	ng	98
17) Fluorene	15.27	166	649	0.06	ng	# 80
19) 4-Bromophenyl-phenylether	16.16	248	200	0.07	ng	89
20) Hexachlorobenzene	16.28	284	923	0.07	ng	97
22) Phenanthrene	17.00	178	1290m	0.07	ng	
23) Anthracene	17.10	178	1034	0.07	ng	97
24) Fluoranthene	19.01	202	1171	0.07	ng	100
26) Pyrene	19.37	202	1227	0.07	ng	99
28) Benzo(a)anthracene	21.11	228	933	0.08	ng	# 86
30) Bis(2-ethylhexyl)phthalate	21.05	149	481	0.25	ng	100
31) Indeno(1,2,3-cd)pyrene	25.83	276	307	0.16	ng	# 86
35) Benzo(a)pyrene	23.33	252	387	0.43	ng	# 49
36) Dibenzo(a,h)anthracene	25.85	278	207	0.09	ng	# 31
37) Benzo(g,h,i)perylene	26.57	276	391	0.40	ng	# 53

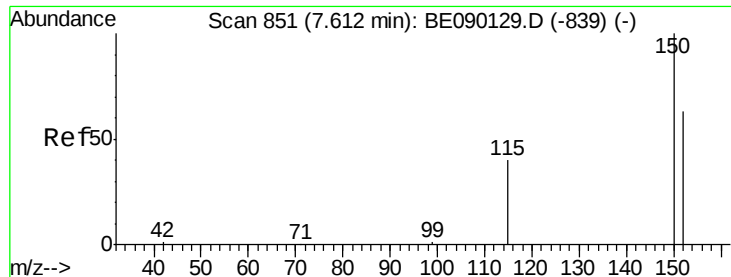
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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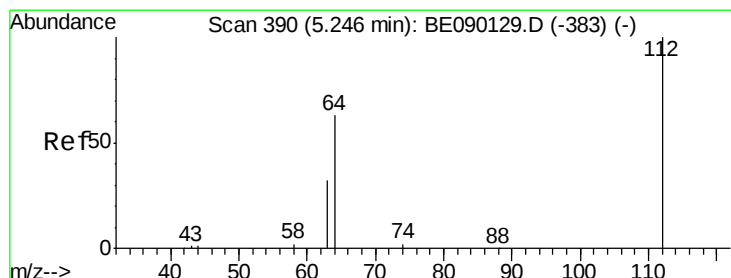
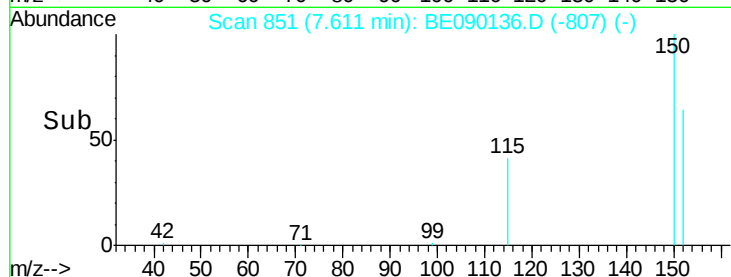
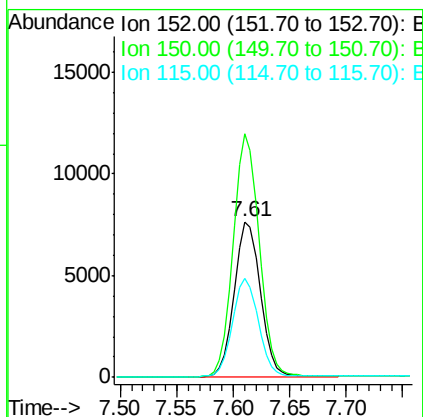
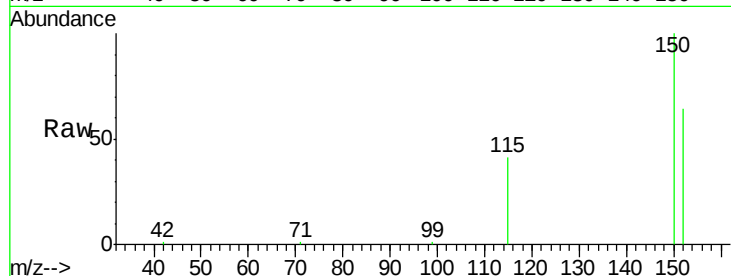


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 851
Delta R.T. -0.00 min
Lab File: BE090136.D
Acq: 17 Jul 2015 1:44

Instrument :
BNA_E
ClientSampleId :
EB-2015.07.09

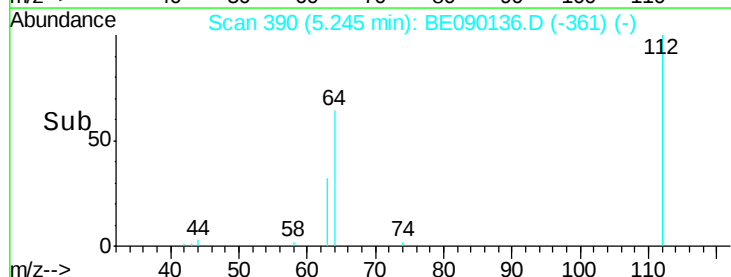
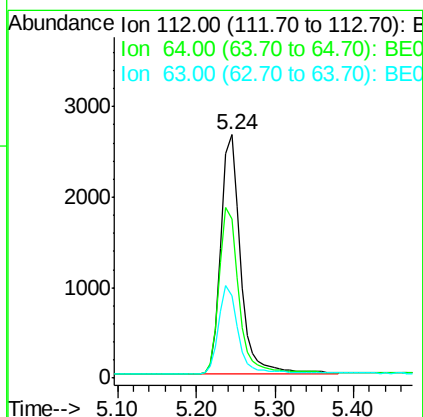
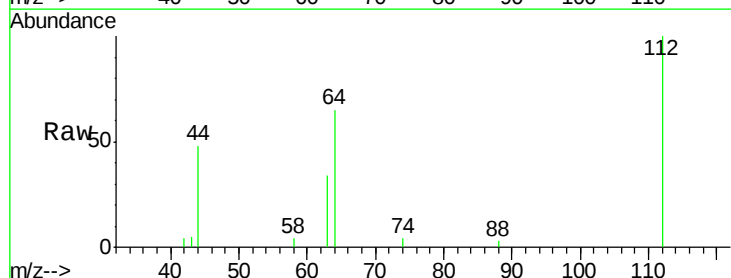
Tgt Ion:152 Resp: 11850
Ion Ratio Lower Upper
152 100
150 156.3 127.3 190.9
115 63.8 51.0 76.4

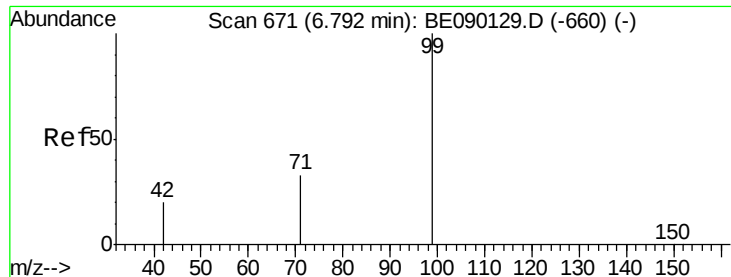


#4

2-Fluorophenol
Concen: 1.82 ng
RT: 5.24 min Scan# 390
Delta R.T. -0.00 min
Lab File: BE090136.D
Acq: 17 Jul 2015 1:44

Tgt Ion:112 Resp: 4618
Ion Ratio Lower Upper
112 100
64 69.8 55.4 83.2
63 36.2 29.3 43.9





#5

Phenol-d6

Concen: 1.83 ng

RT: 6.80 min Scan# 672

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09

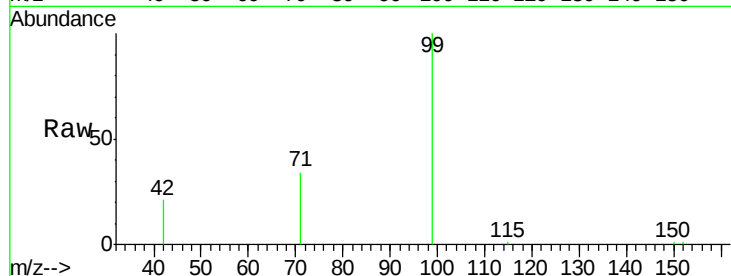
Tgt Ion: 99 Resp: 6567

Ion Ratio Lower Upper

99 100

42 19.3 16.8 25.2

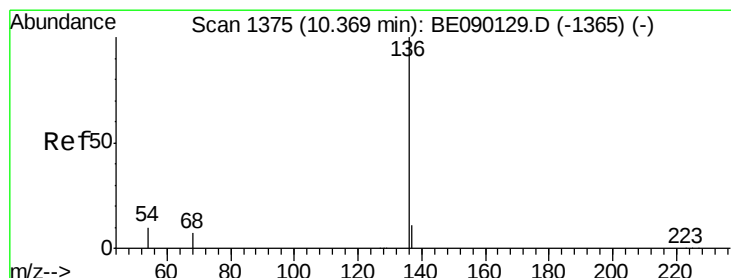
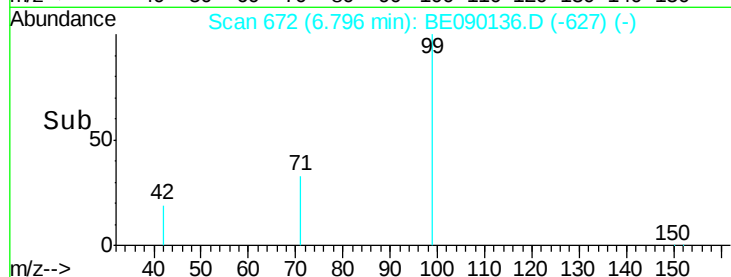
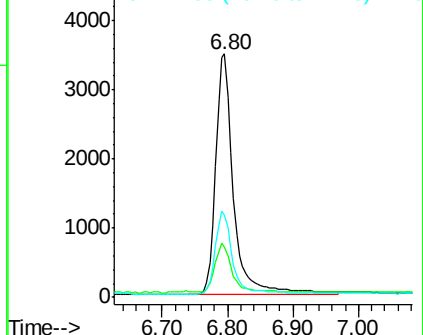
71 33.1 26.6 39.8



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: BE090136.D

Acq: 17 Jul 2015 1:44

Tgt Ion: 136 Resp: 54007

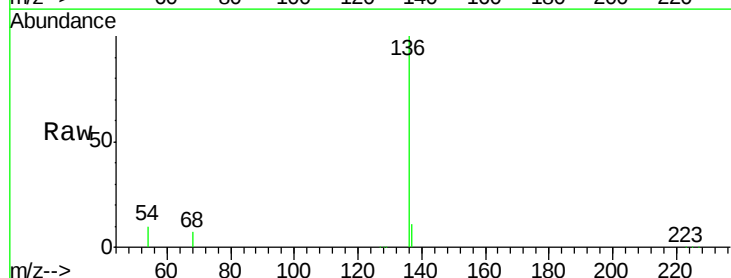
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.7 7.8 11.8

68 7.1 5.8 8.8

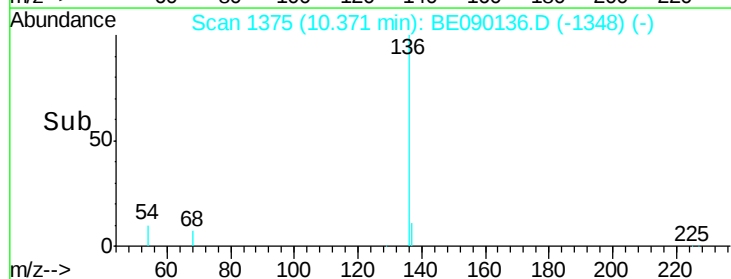
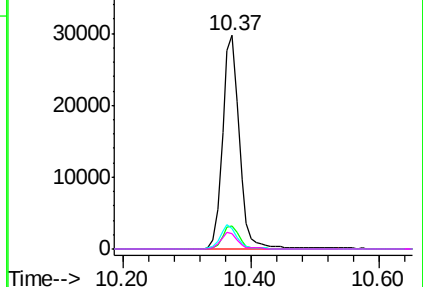


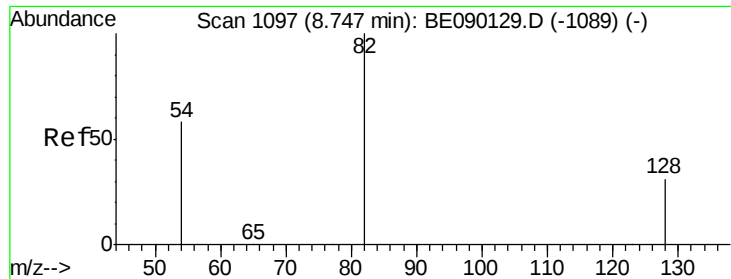
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.56 ng

RT: 8.75 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09

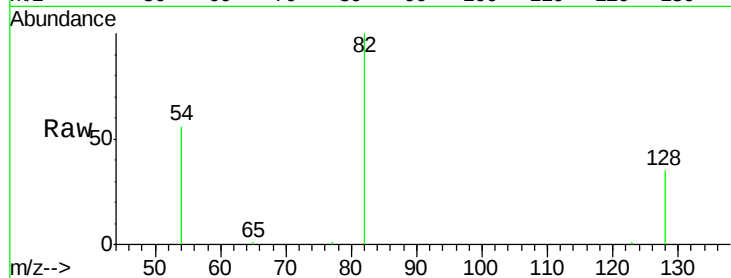
Tgt Ion: 82 Resp: 14257

Ion Ratio Lower Upper

82 100

128 34.7 26.2 39.2

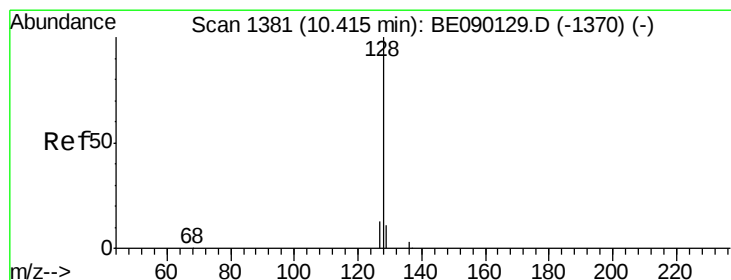
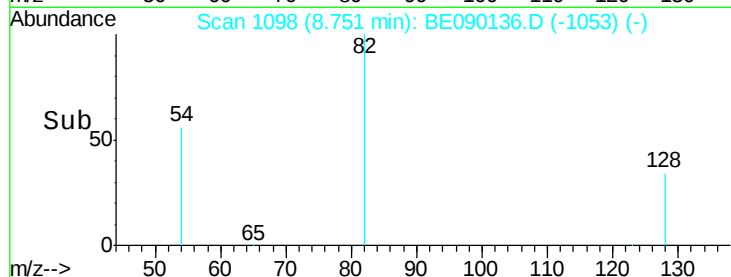
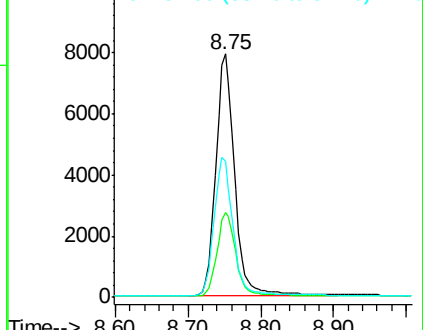
54 55.8 47.1 70.7



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



#9

Naphthalene

Concen: 0.04 ng

RT: 10.42 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

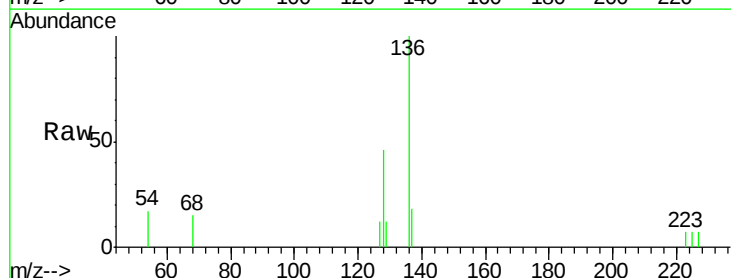
Tgt Ion: 128 Resp: 456

Ion Ratio Lower Upper

128 100

129 25.0 9.2 13.8#

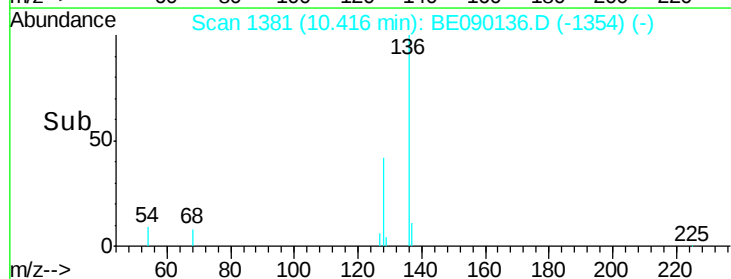
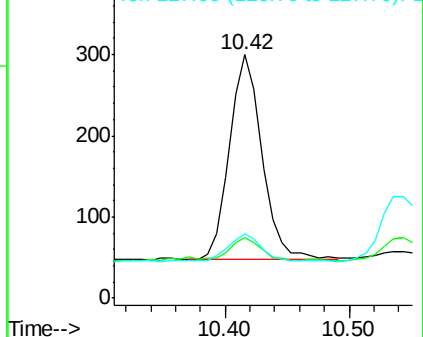
127 26.7 10.8 16.2#

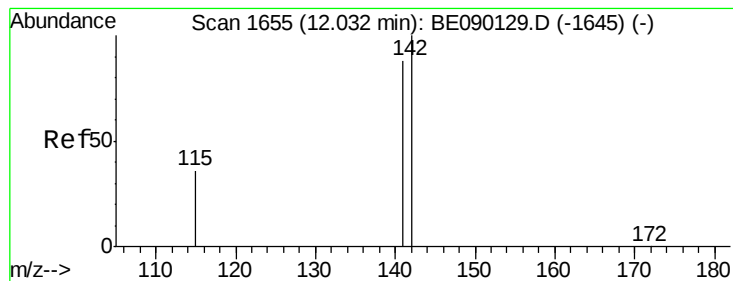


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

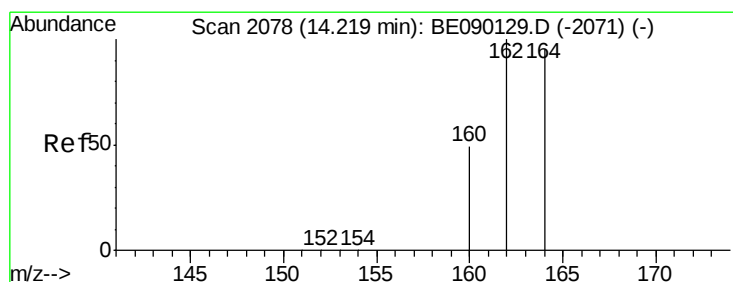
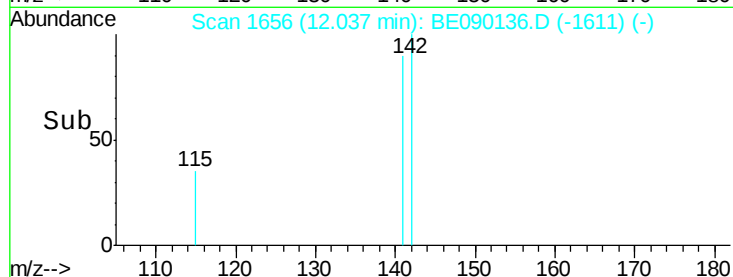
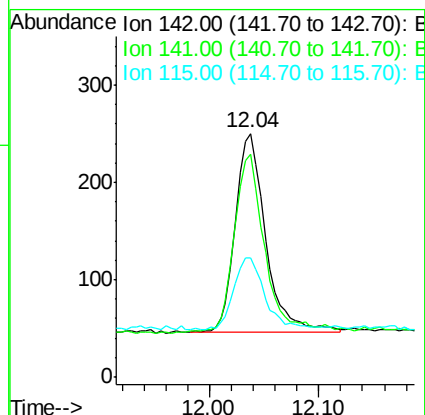
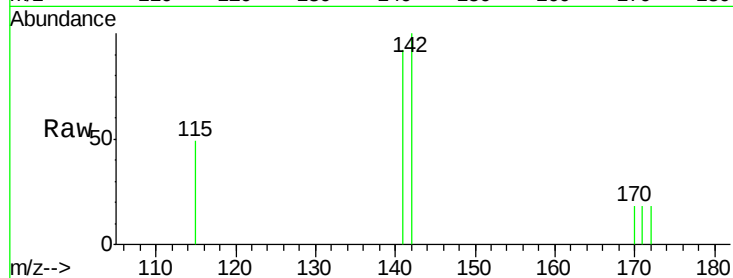




#11
2-Methylnaphthalene
Concen: 0.05 ng
RT: 12.04 min Scan# 1656
Delta R.T. 0.01 min
Lab File: BE090136.D
Acq: 17 Jul 2015 1:44

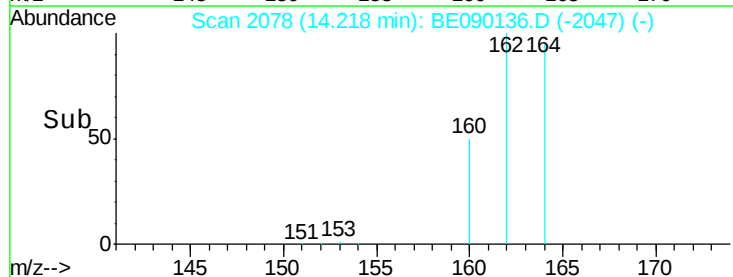
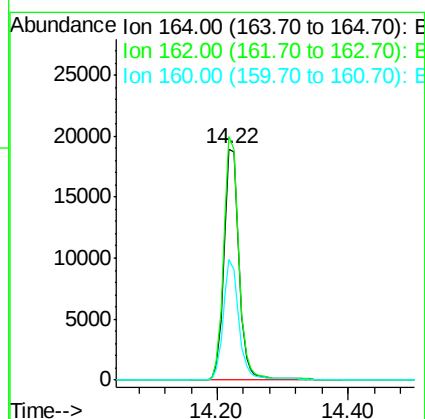
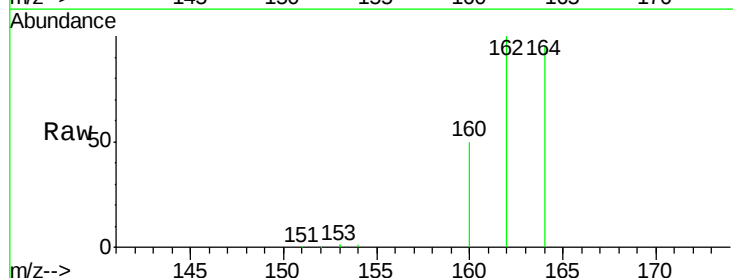
Instrument :
BNA_E
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EB-2015.07.09

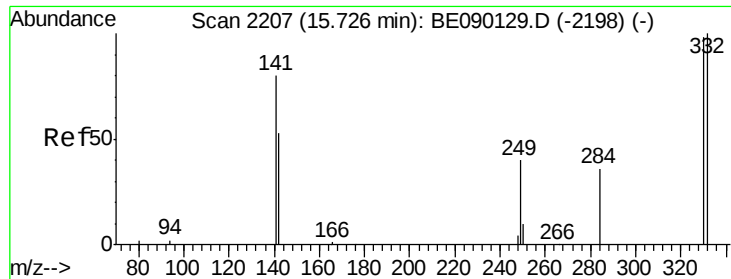
Tgt Ion:142 Resp: 391
Ion Ratio Lower Upper
142 100
141 91.6 70.6 105.8
115 48.8 29.4 44.0#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.22 min Scan# 2078
Delta R.T. -0.00 min
Lab File: BE090136.D
Acq: 17 Jul 2015 1:44

Tgt Ion:164 Resp: 30297
Ion Ratio Lower Upper
164 100
162 105.5 84.0 126.0
160 52.6 41.1 61.7

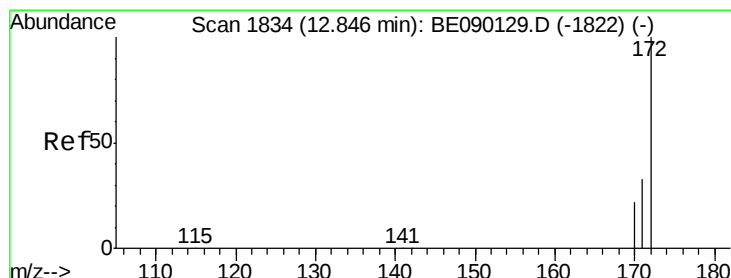
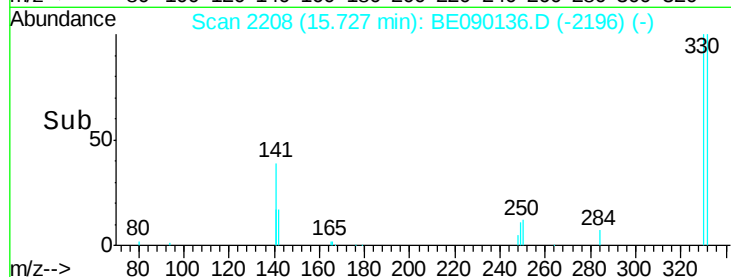
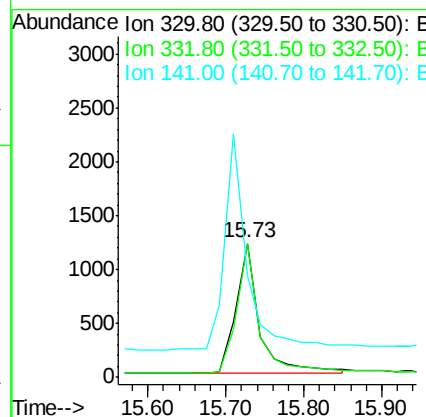
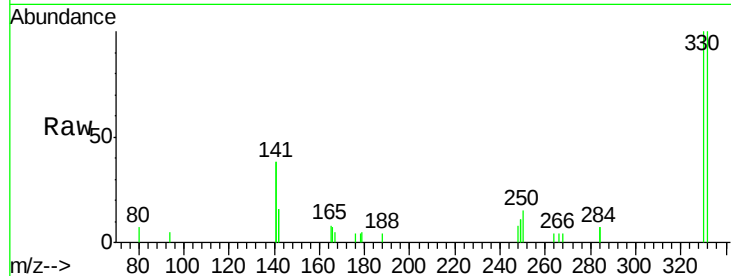




#13
 2,4,6-Tribromophenol
 Concen: 3.01 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE090136.D
 Acq: 17 Jul 2015 1:44

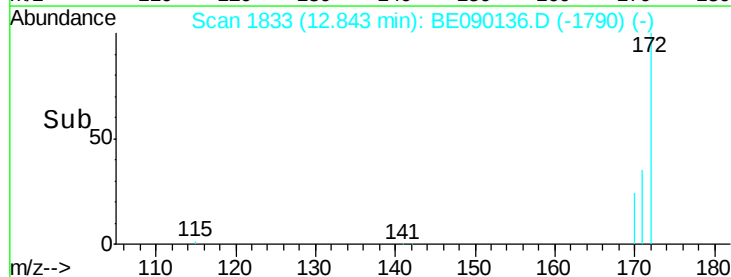
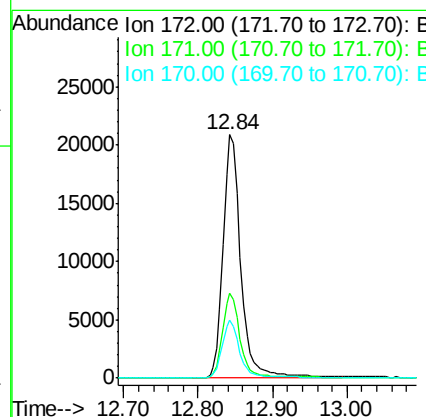
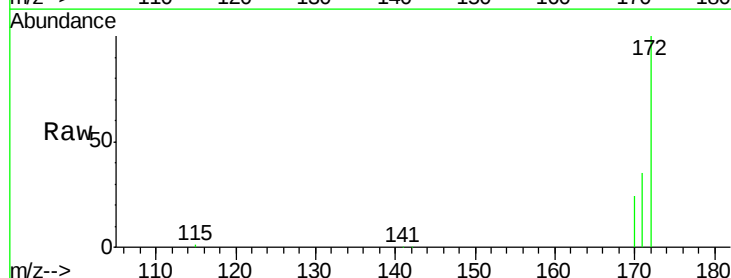
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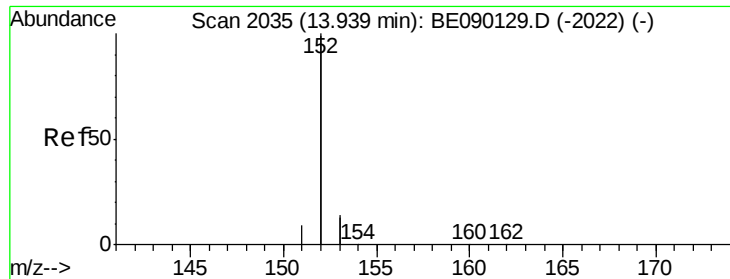
Tgt Ion: 330 Resp: 2452
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.4 119.0
 141 164.2 160.2 240.2



#14
 2-Fluorobiphenyl
 Concen: 3.68 ng
 RT: 12.84 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BE090136.D
 Acq: 17 Jul 2015 1:44

Tgt Ion: 172 Resp: 34339
 Ion Ratio Lower Upper
 172 100
 171 35.0 27.1 40.7
 170 23.8 17.9 26.9





#15

Acenaphthylene

Concen: 0.06 ng

RT: 13.94 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09

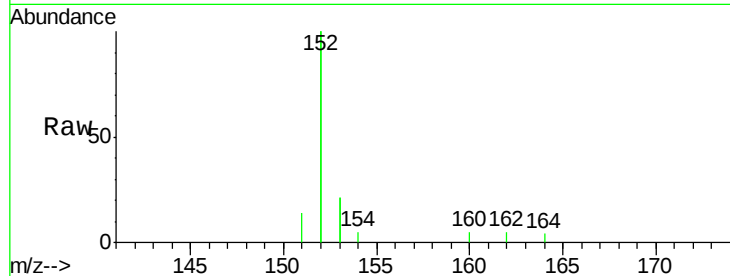
Tgt Ion:152 Resp: 3136

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

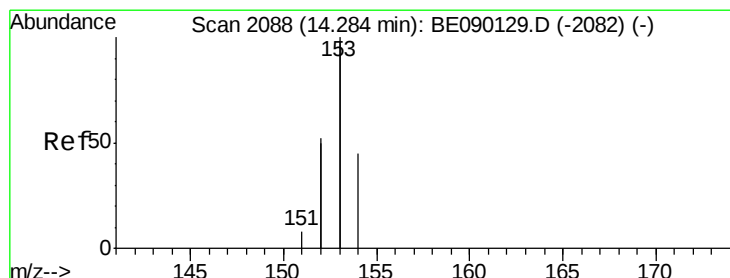
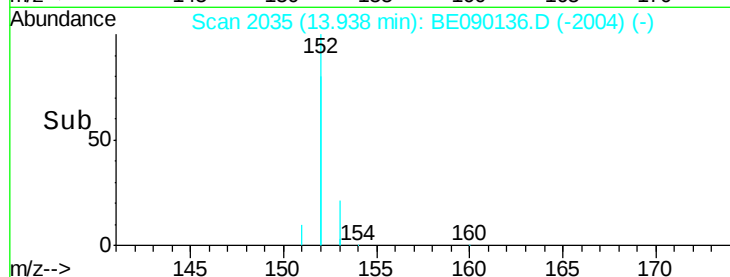
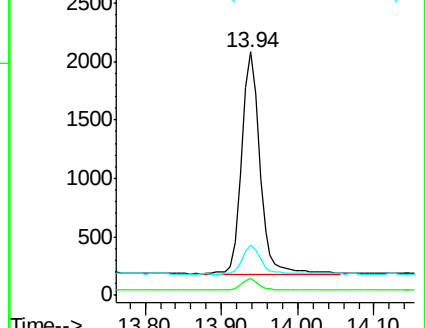
153 13.6 10.4 15.6



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: 0.06 ng

RT: 14.28 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

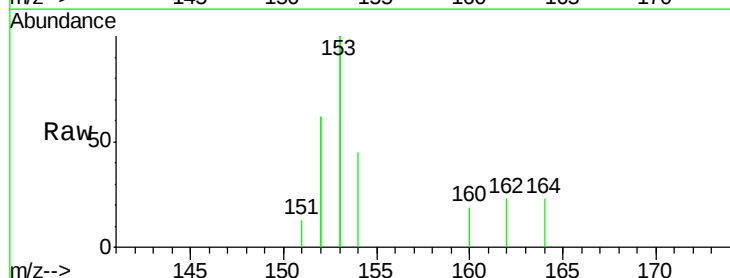
Tgt Ion:154 Resp: 479

Ion Ratio Lower Upper

154 100

153 462.4 369.5 554.3

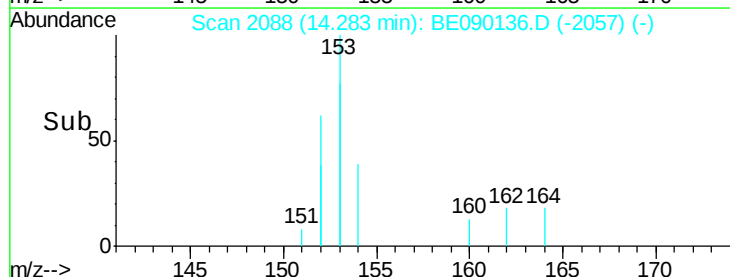
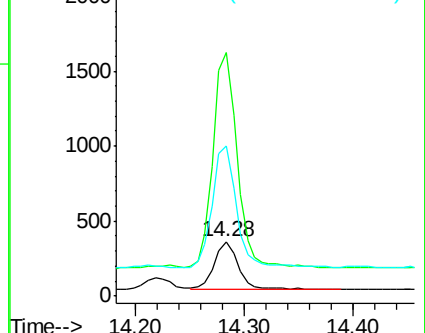
152 261.8 202.2 303.4

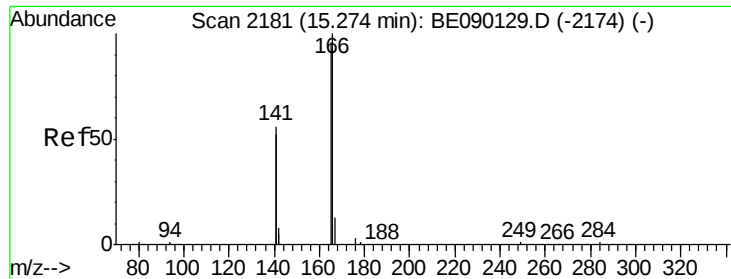


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

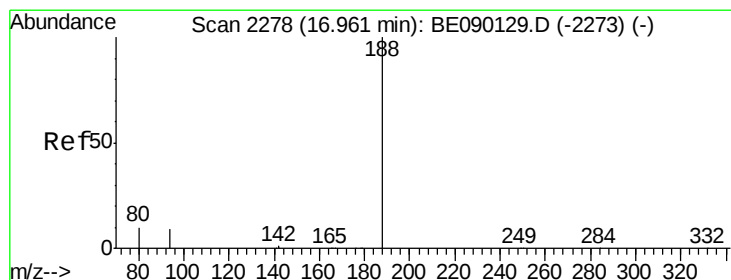
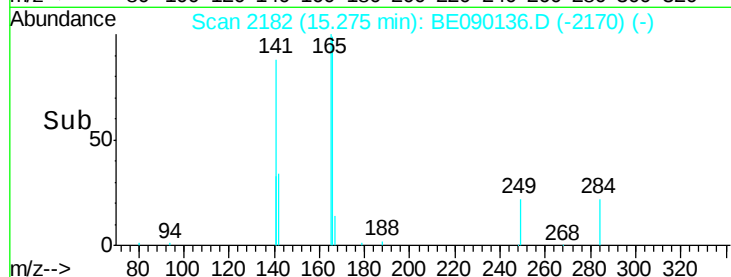
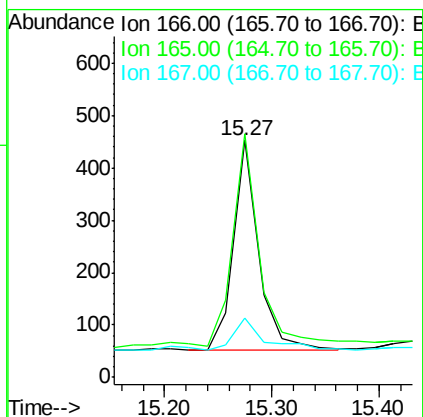
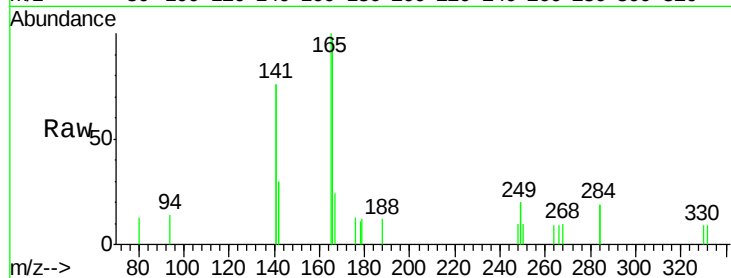




#17
Fluorene
 Concen: 0.06 ng
 RT: 15.27 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BE090136.D
 Acq: 17 Jul 2015 1:44

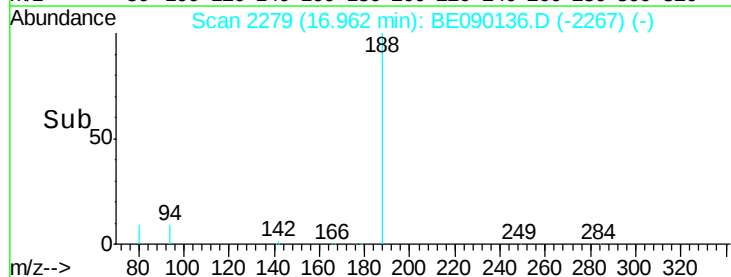
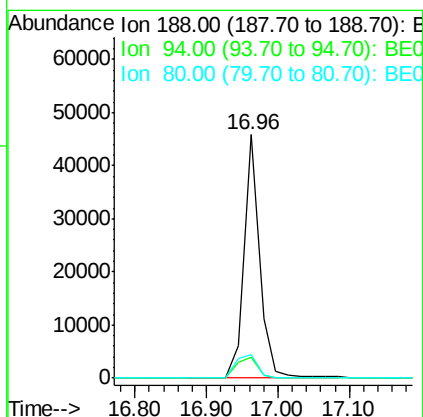
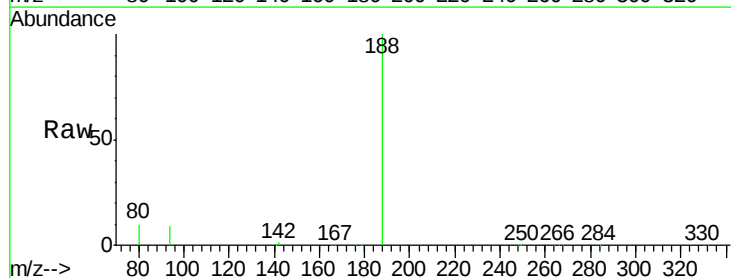
Instrument :
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 ClientSampleId :
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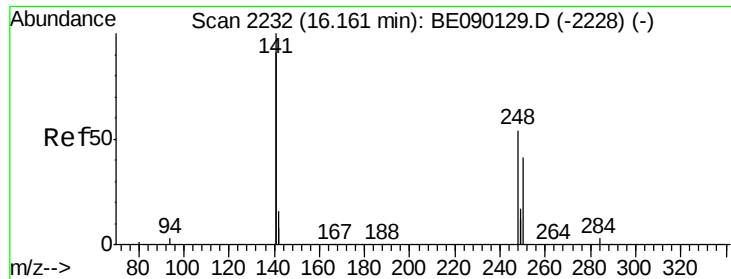
Tgt Ion:166 Resp: 649
 Ion Ratio Lower Upper
 166 100
 165 119.0 78.7 118.1#
 167 19.9 11.1 16.7#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.96 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090136.D
 Acq: 17 Jul 2015 1:44

Tgt Ion:188 Resp: 68931
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.3 10.9
 80 9.6 8.0 12.0





#19

4-Bromophenyl-phenylether

Concen: 0.07 ng

RT: 16.16 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09

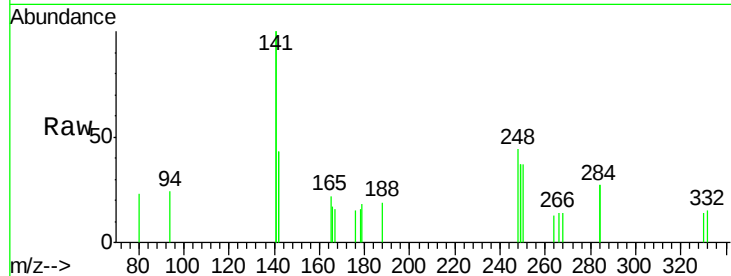
Tgt Ion:248 Resp: 200

Ion Ratio Lower Upper

248 100

250 92.5 76.2 114.4

141 280.0 246.0 369.0

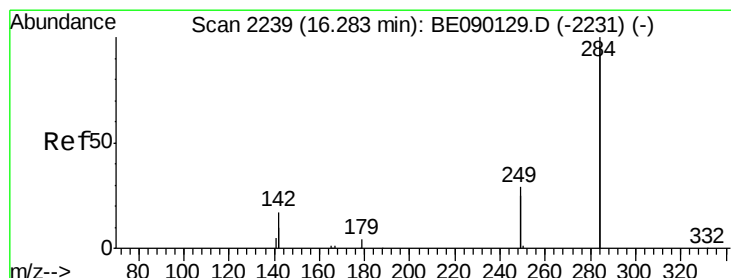
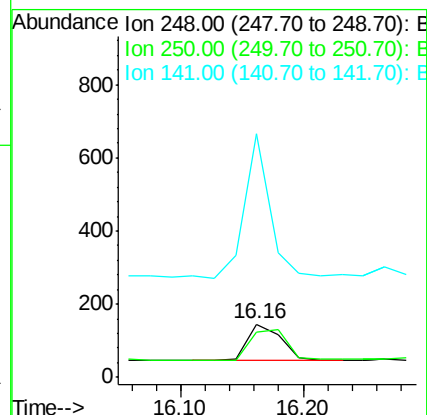
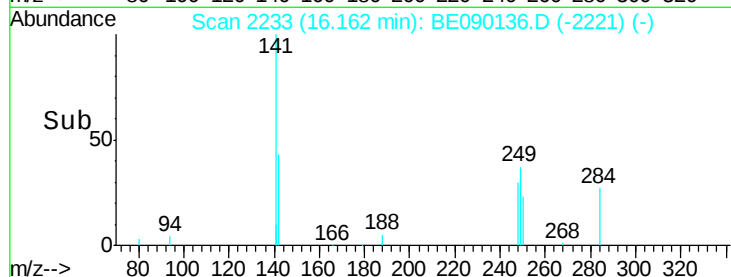


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



#20

Hexachlorobenzene

Concen: 0.07 ng

RT: 16.28 min Scan# 2240

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

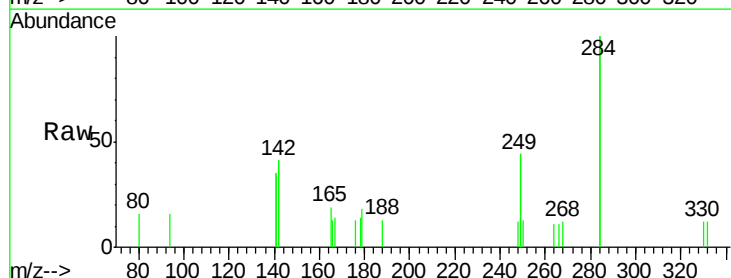
Tgt Ion:284 Resp: 923

Ion Ratio Lower Upper

284 100

142 41.0 30.2 45.4

249 32.4 25.5 38.3

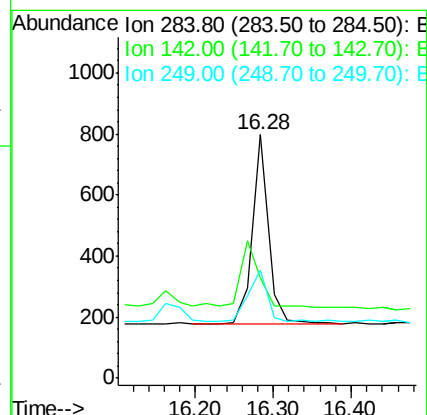
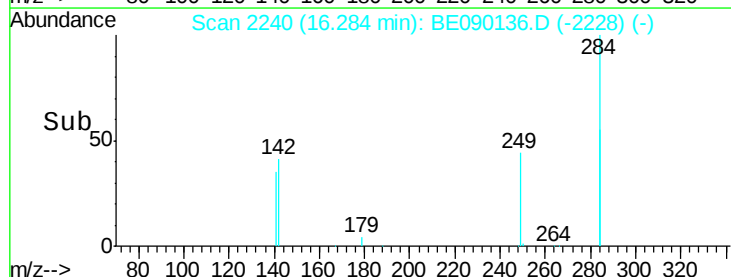


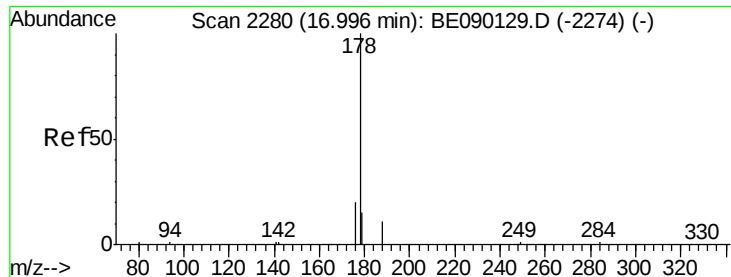
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->





#22

Phenanthrene

Concen: 0.07 ng m

RT: 17.00 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09

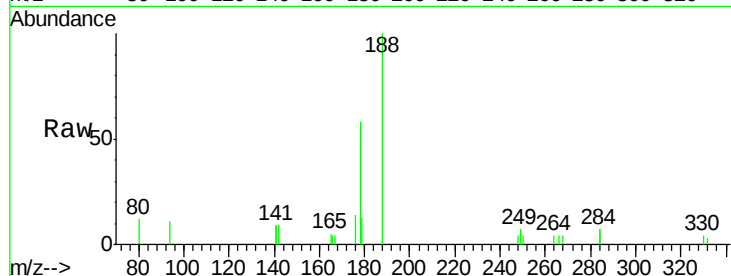
Tgt Ion:178 Resp: 1290

Ion Ratio Lower Upper

178 100

176 12.9 15.1 22.7#

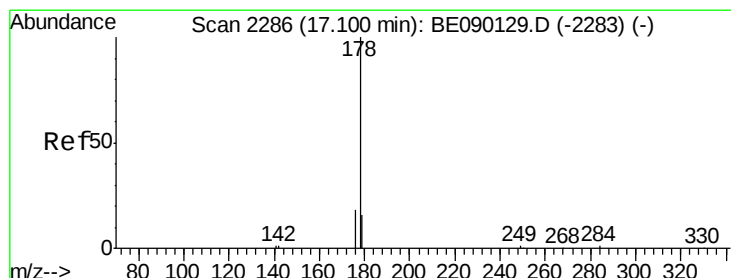
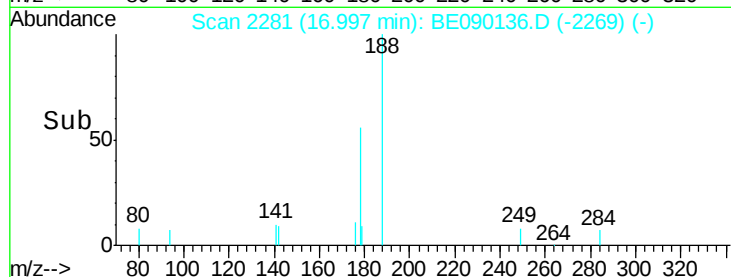
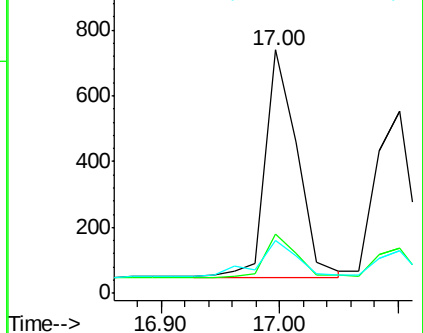
179 11.0 12.2 18.4#



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: 0.07 ng

RT: 17.10 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

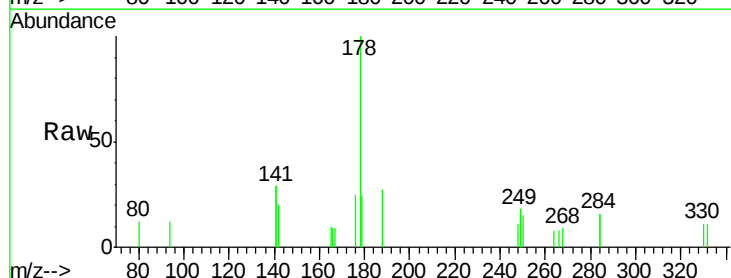
Tgt Ion:178 Resp: 1034

Ion Ratio Lower Upper

178 100

176 17.7 14.7 22.1

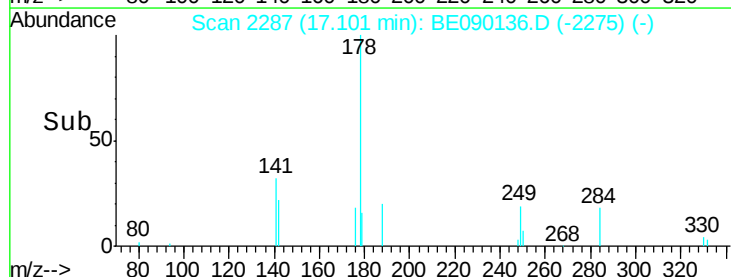
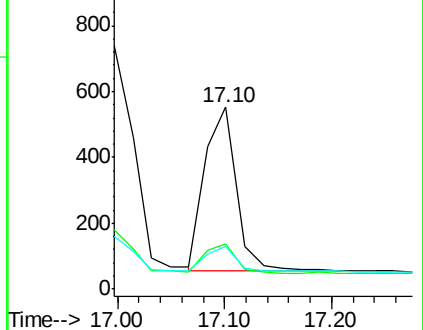
179 17.7 12.2 18.4

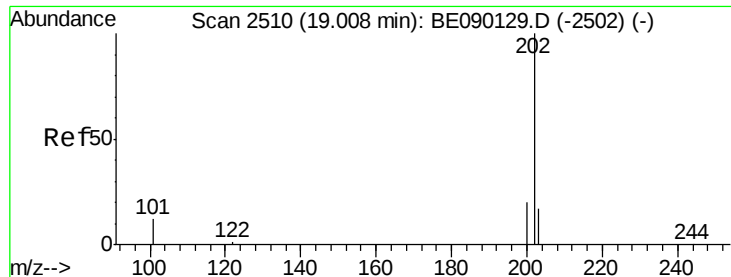


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

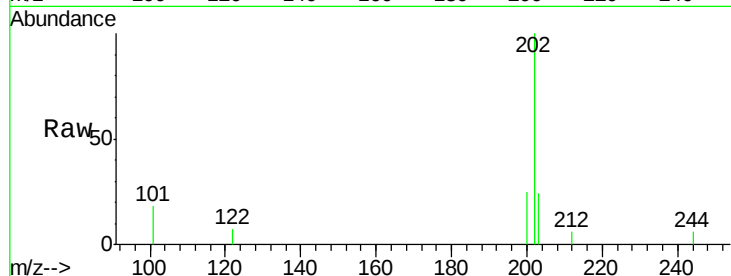




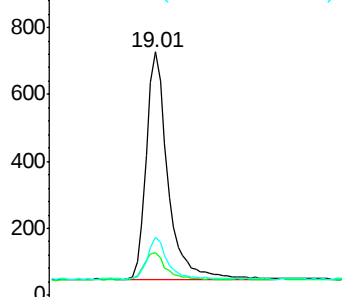
#24
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.01 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BE090136.D
 Acq: 17 Jul 2015 1:44

Instrument :
 BNA_E
 ClientSampleId :
 EB-2015.07.09

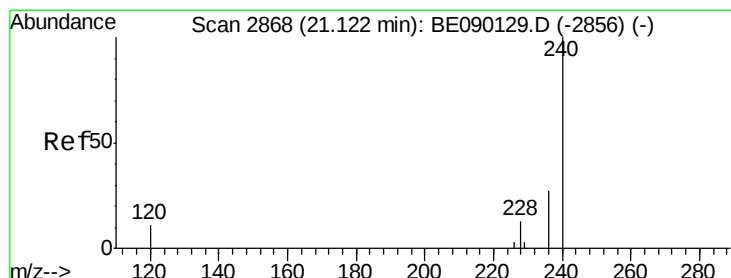
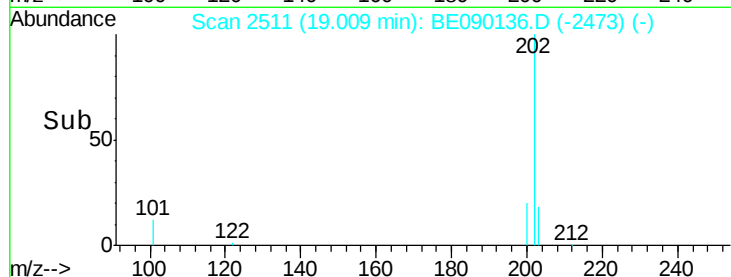
Tgt Ion: 202 Resp: 1171
 Ion Ratio Lower Upper
 202 100
 101 12.4 10.1 15.1
 203 17.2 13.8 20.8



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

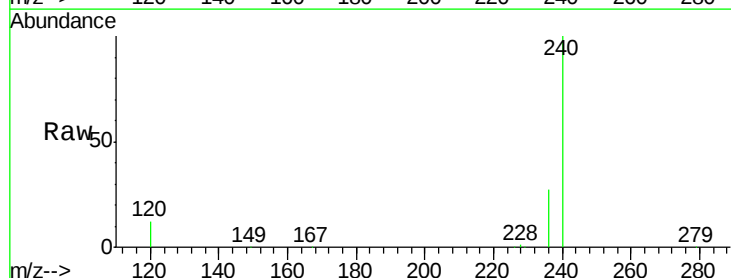


Time--> 18.90 19.00 19.10 19.20

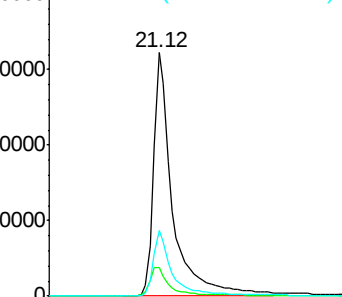


#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: BE090136.D
 Acq: 17 Jul 2015 1:44

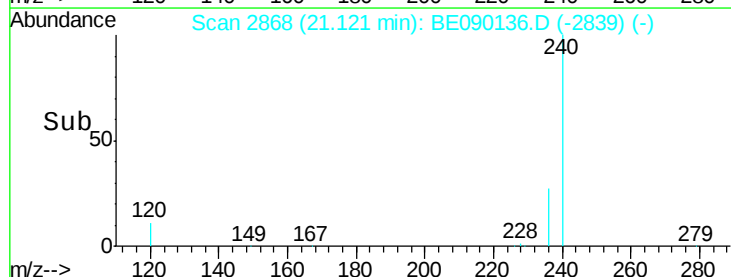
Tgt Ion: 240 Resp: 65098
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.8 13.2
 236 26.8 21.4 32.0

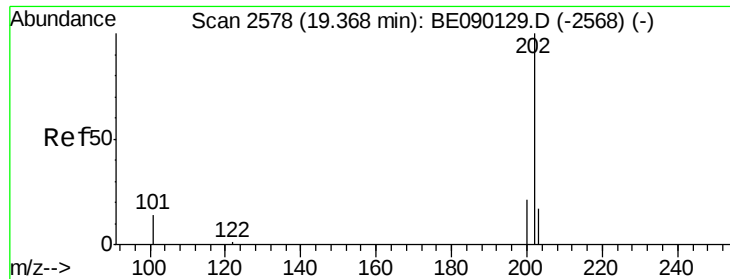


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time--> 21.00 21.20

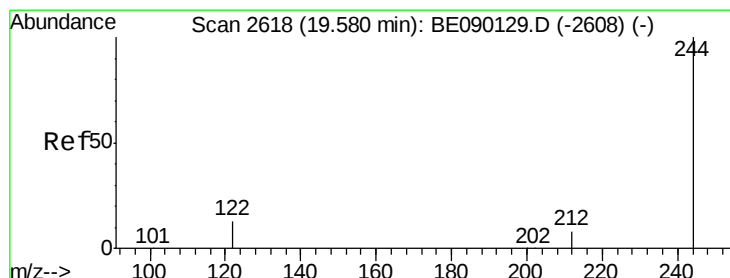
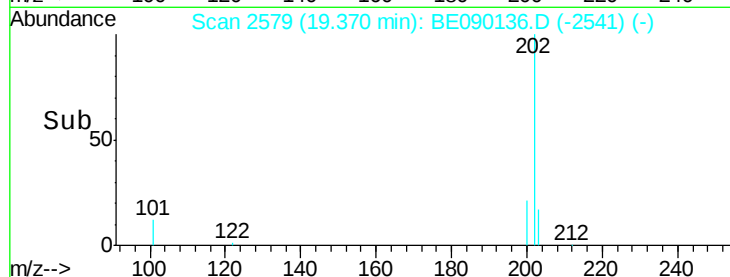
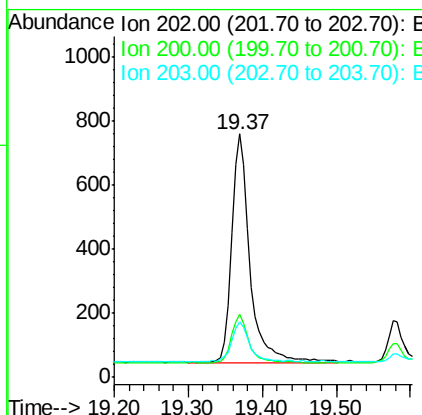
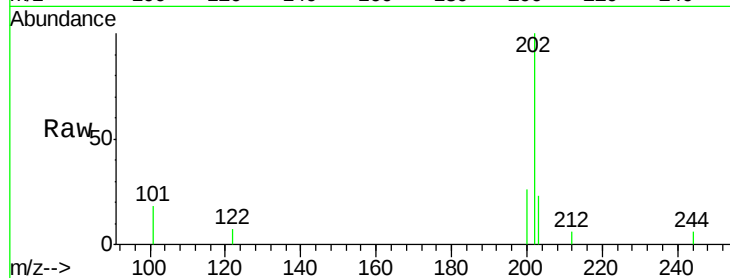




#26
Pyrene
Concen: 0.07 ng
RT: 19.37 min Scan# 2579
Delta R.T. 0.00 min
Lab File: BE090136.D
Acq: 17 Jul 2015 1:44

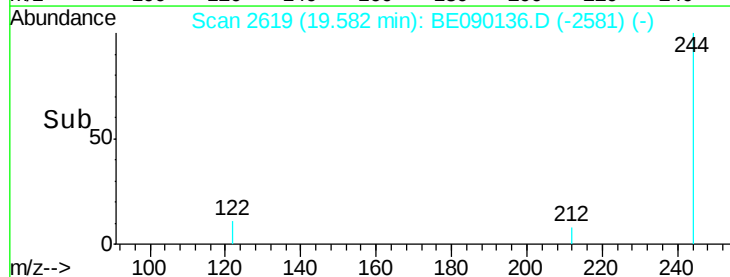
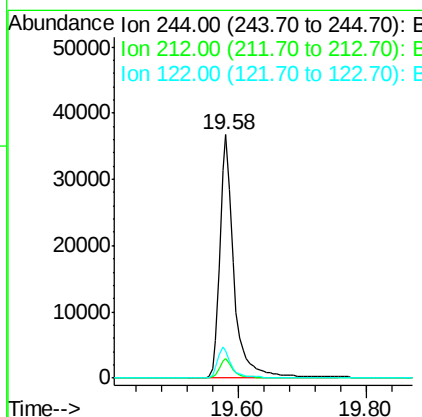
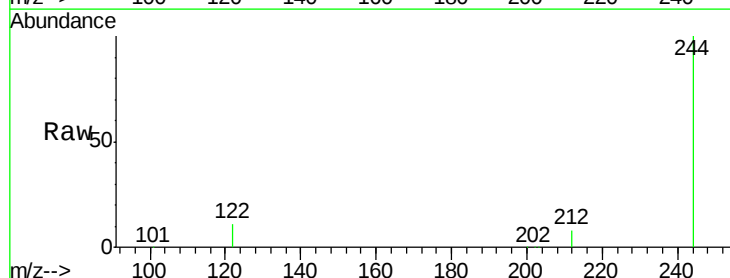
Instrument :
BNA_E
ClientSampleId :
EB-2015.07.09

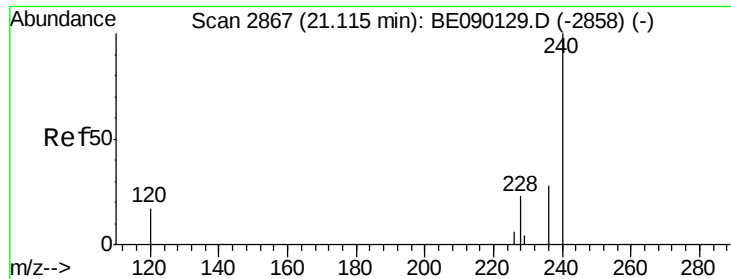
Tgt Ion: 202 Resp: 1227
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.0 13.9 20.9



#27
Terphenyl-d14
Concen: 5.10 ng
RT: 19.58 min Scan# 2619
Delta R.T. 0.00 min
Lab File: BE090136.D
Acq: 17 Jul 2015 1:44

Tgt Ion: 244 Resp: 55700
Ion Ratio Lower Upper
244 100
212 7.8 6.7 10.1
122 11.3 10.7 16.1





#28

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.11 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09

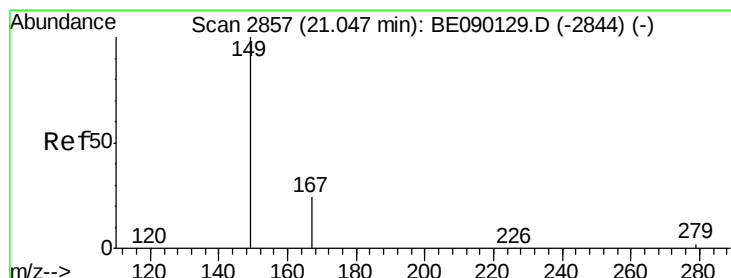
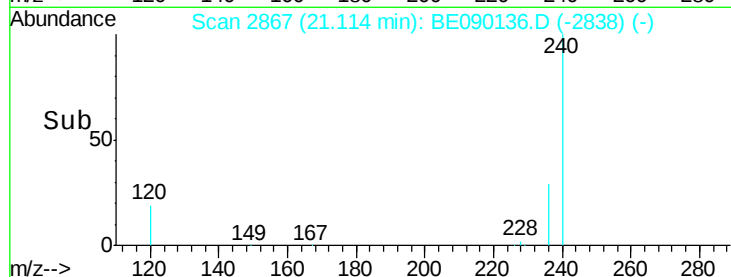
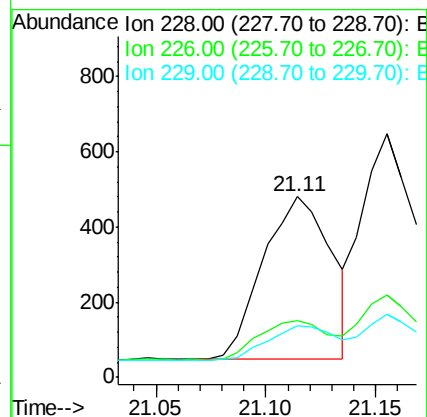
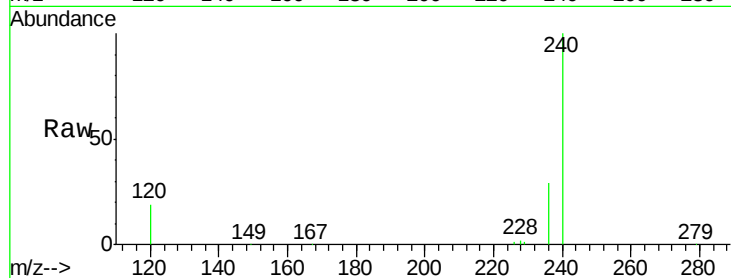
Tgt Ion:228 Resp: 933

Ion Ratio Lower Upper

228 100

226 31.9 21.3 31.9

229 28.5 16.1 24.1#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.05 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

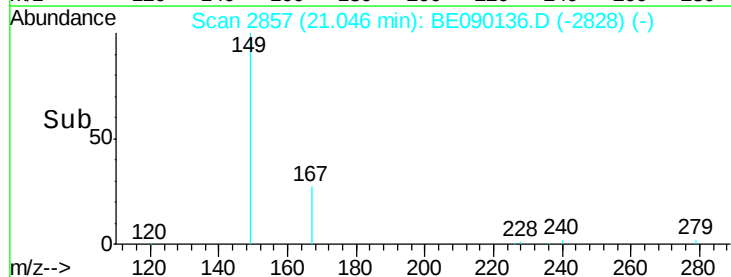
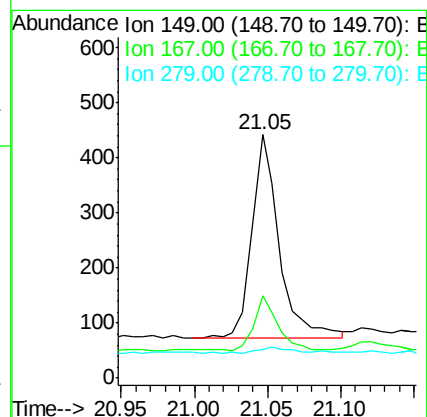
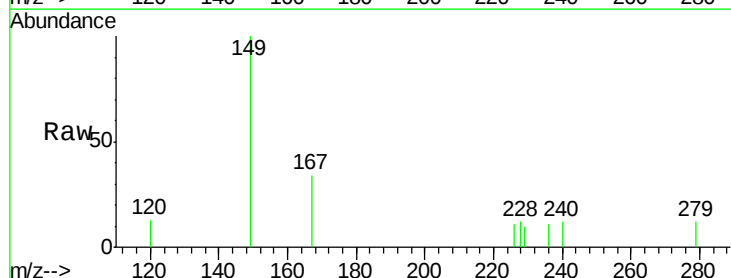
Tgt Ion:149 Resp: 481

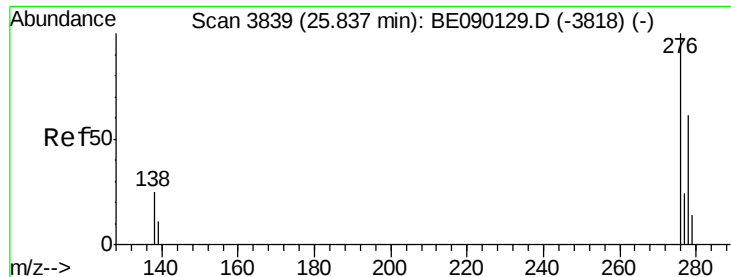
Ion Ratio Lower Upper

149 100

167 23.1 18.6 27.8

279 3.3 2.2 3.4





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng

RT: 25.83 min Scan# 3838

Delta R.T. -0.01 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09

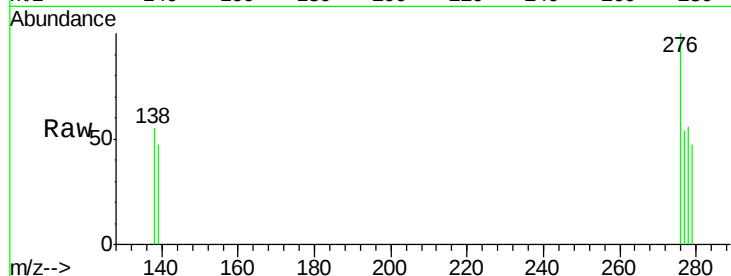
Tgt Ion:276 Resp: 307

Ion Ratio Lower Upper

276 100

138 10.7 17.3 25.9#

277 23.8 17.3 25.9



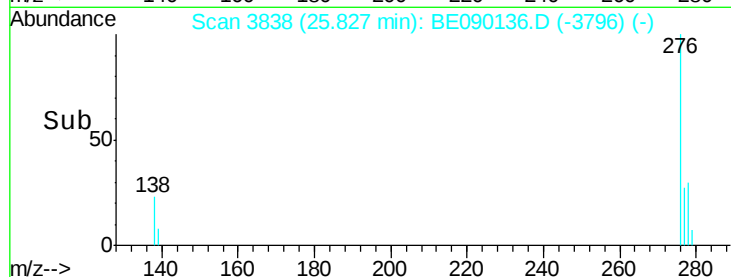
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

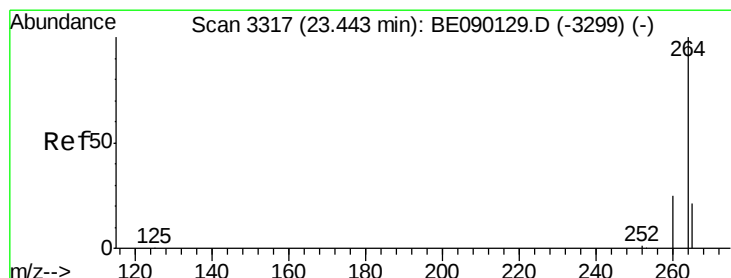
Ion 277.00 (276.70 to 277.70): E

25.83

Time-->



Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3317

Delta R.T. -0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

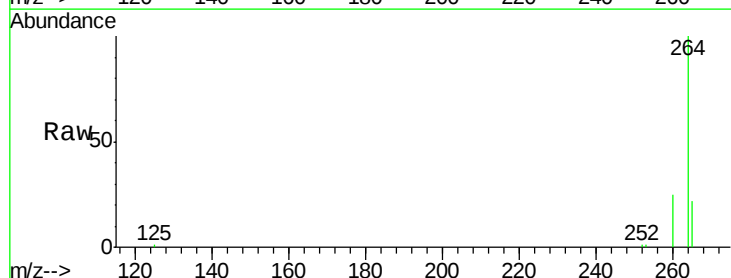
Tgt Ion:264 Resp: 49626

Ion Ratio Lower Upper

264 100

260 25.0 19.9 29.9

265 22.1 17.8 26.8



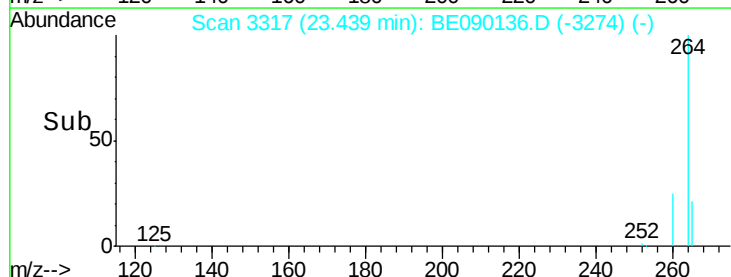
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

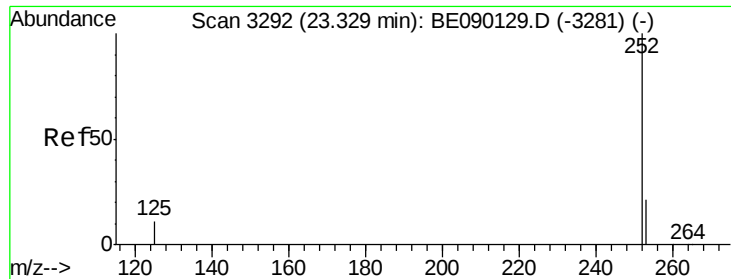
Ion 265.00 (264.70 to 265.70): E

23.44

Time-->



Time-->



#35

Benzo(a)pyrene

Concen: 0.43 ng

RT: 23.33 min Scan# 3293

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampled :

EB-2015.07.09

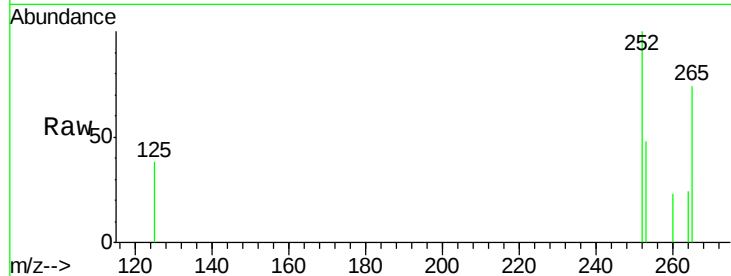
Tgt Ion: 252 Resp: 387

Ion Ratio Lower Upper

252 100

253 48.0 19.4 29.2#

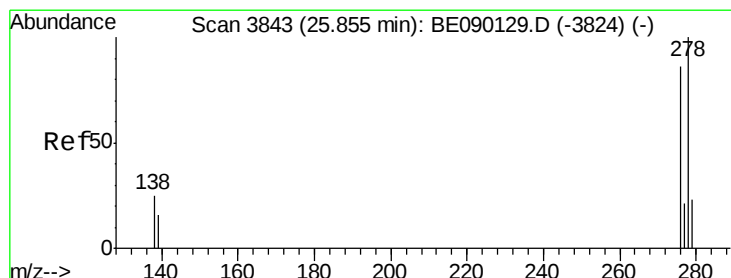
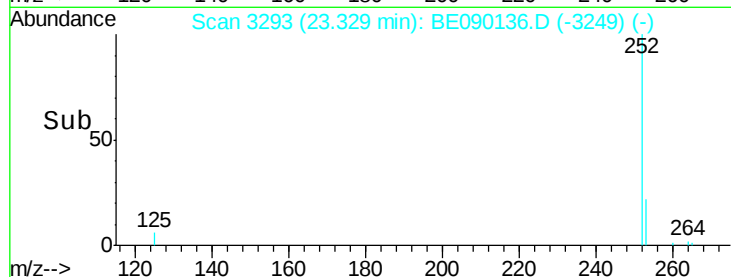
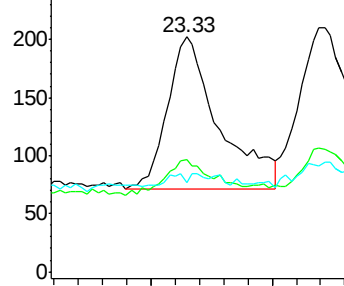
125 38.1 11.9 17.9#



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: 0.09 ng

RT: 25.85 min Scan# 3844

Delta R.T. 0.00 min

Lab File: BE090136.D

Acq: 17 Jul 2015 1:44

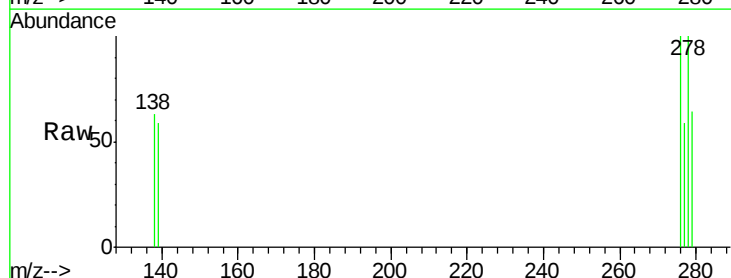
Tgt Ion: 278 Resp: 207

Ion Ratio Lower Upper

278 100

139 59.0 18.3 27.5#

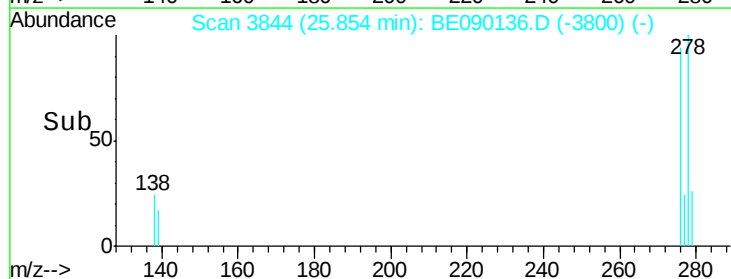
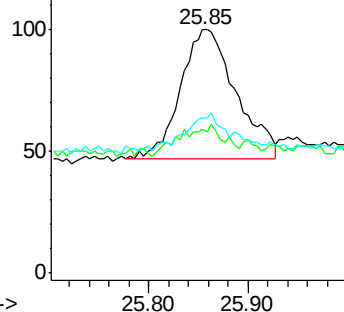
279 64.0 23.3 34.9#

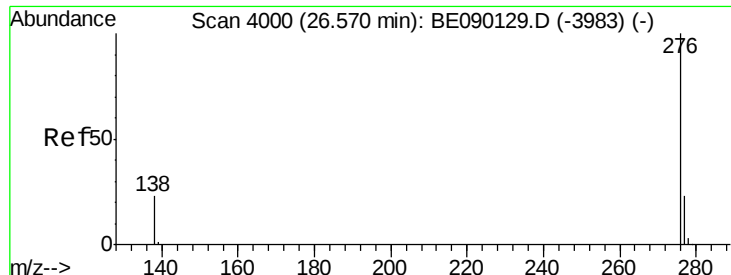


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.40 ng

RT: 26.57 min Scan# 4001

Delta R.T. -0.00 min

Lab File: BE090136.D

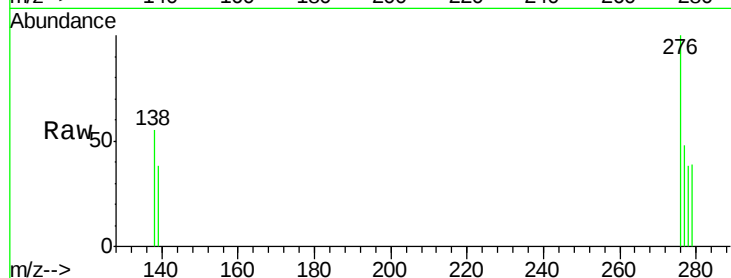
Acq: 17 Jul 2015 1:44

Instrument :

BNA_E

ClientSampleId :

EB-2015.07.09



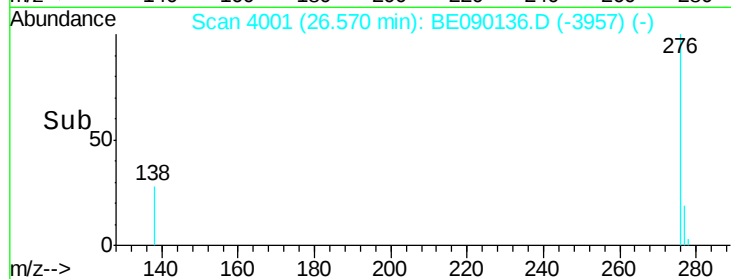
Tgt Ion: 276 Resp: 391

Ion Ratio Lower Upper

276 100

277 48.5 22.0 33.0#

138 55.4 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

