

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091615\
 Data File : BE090844.D
 Acq On : 16 Sep 2015 15:10
 Operator : UM/IZ
 Sample : G3677-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-D-B

Quant Time: Sep 17 00:55:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

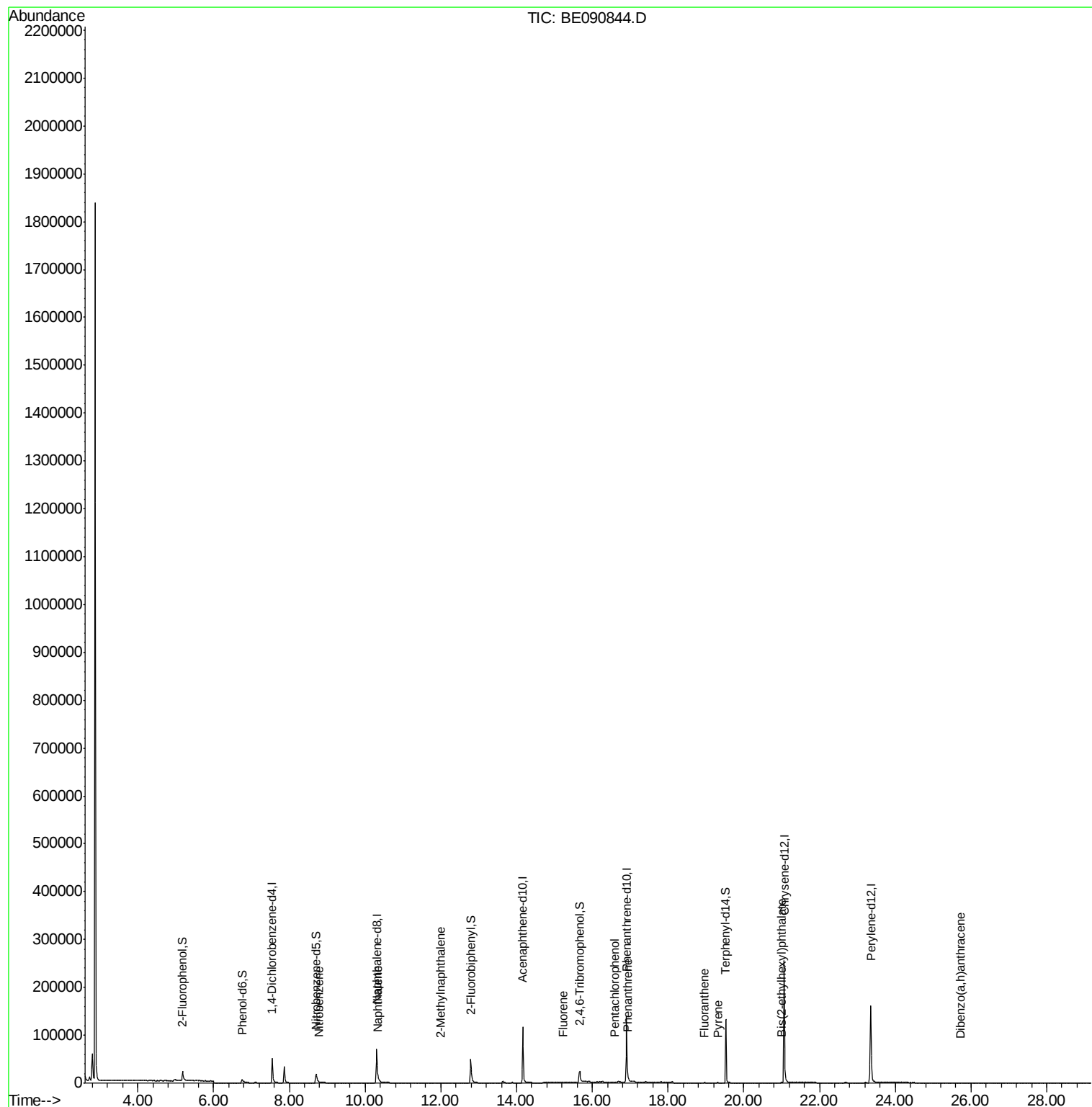
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	31406	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	138790	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	74397	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	192582	5.00	ng	0.00
25) Chrysene-d12	21.07	240	253650	5.00	ng	0.00
32) Perylene-d12	23.35	264	235960	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	22236	3.64	ng	0.00
5) Phenol-d6	6.75	99	17784	2.03	ng	0.00
7) Nitrobenzene-d5	8.71	82	33569	3.66	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	14208	6.53	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	76192	3.70	ng	0.00
27) Terphenyl-d14	19.53	244	148395	5.29	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.16	88	139	Below Cal	#	1
3) n-Nitrosodimethylamine	3.49	42	24	Below Cal	#	1
8) Nitrobenzene	8.78	77	9	0.11 ng	#	33
9) Naphthalene	10.35	128	2026	0.07 ng	#	83
11) 2-Methylnaphthalene	11.99	142	505	0.03 ng	#	88
17) Fluorene	15.22	166	554	0.02 ng	#	84
20) Hexachlorobenzene	16.25	284	71	Below Cal	#	37
21) Pentachlorophenol	16.60	266	58	0.48 ng	#	57
22) Phenanthrene	16.94	178	3934	0.08 ng	#	95
24) Fluoranthene	18.96	202	1131	0.02 ng	#	93
26) Pyrene	19.32	202	1583	0.03 ng	#	97
29) Chrysene	21.10	228	353	Below Cal	#	65
30) Bis(2-ethylhexyl)phthalate	20.99	149	1831	0.19 ng		100
36) Dibenzo(a,h)anthracene	25.73	278	24	0.14 ng	#	1

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

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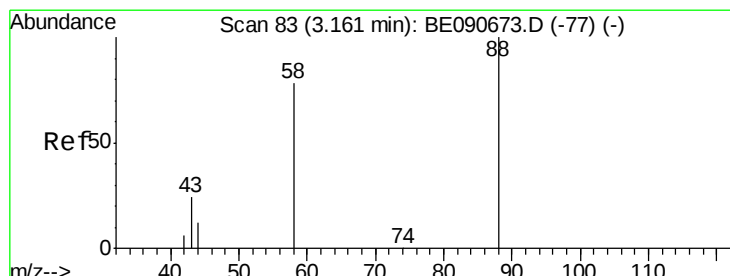
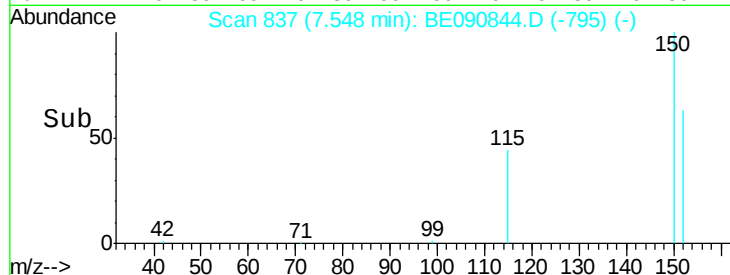
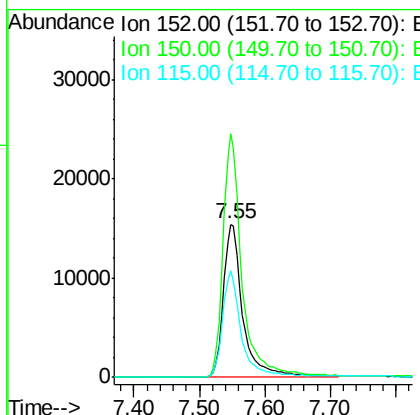
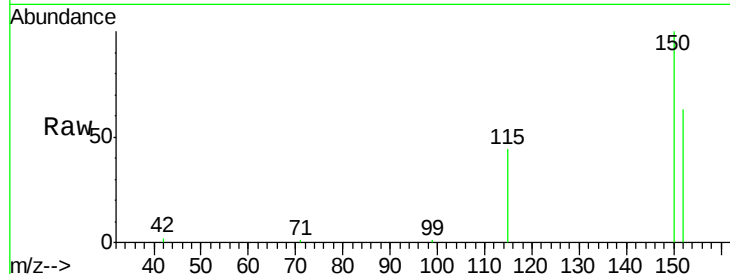




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.55 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BE090844.D
 Acq: 16 Sep 2015 15:10

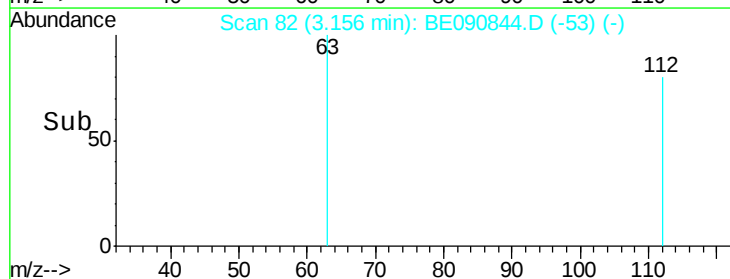
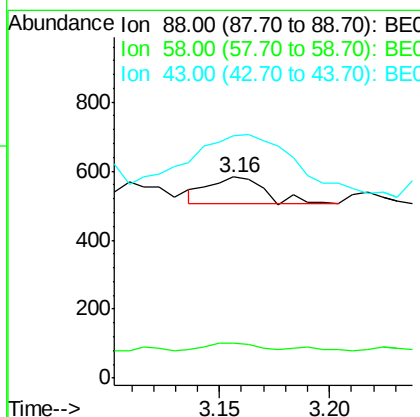
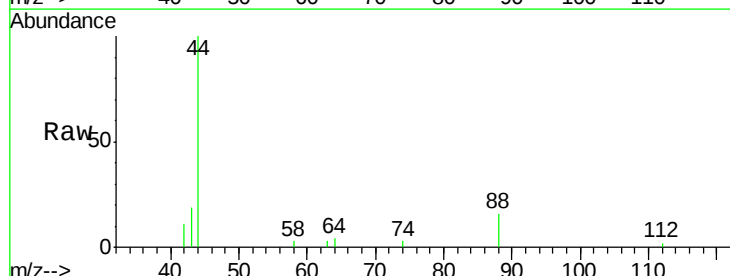
Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-D-B

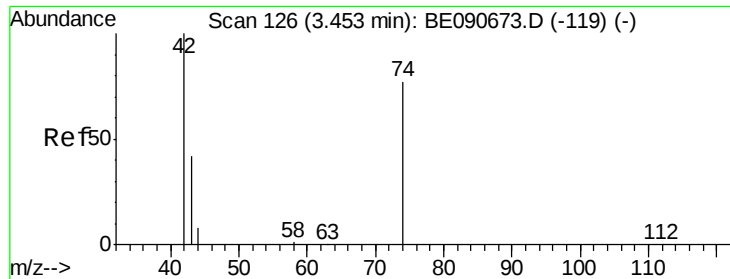
Tot Ion:152 Resp: 31406
 Ion Ratio Lower Upper
 152 100
 150 158.9 122.2 183.4
 115 69.5 51.0 76.4



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.16 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: BE090844.D
 Acq: 16 Sep 2015 15:10

Tgt Ion: 88 Resp: 139
 Ion Ratio Lower Upper
 88 100
 58 30.2 68.4 102.6#
 43 436.7 26.9 40.3#



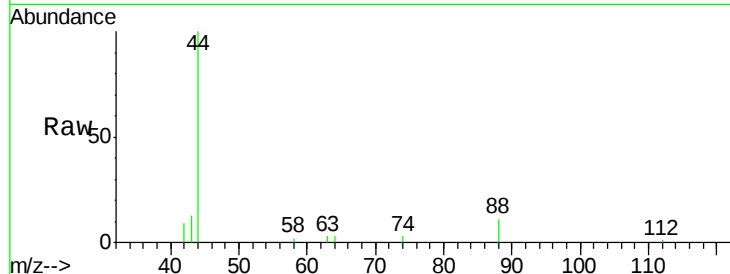


#3

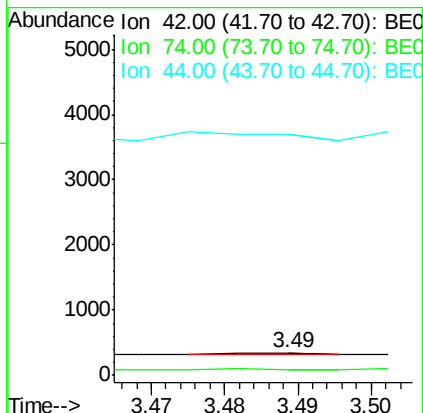
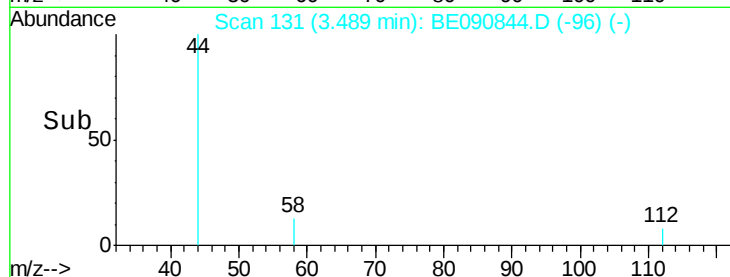
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.49 min Scan# 131
 Delta R.T. 0.04 min
 Lab File: BE090844.D
 Acq: 16 Sep 2015 15:10

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-D-B

Tot Ion: 42 Resp: 24
 Ion Ratio Lower Upper
 42 100
 74 29.2 83.7 125.5#
 44 533.3 10.0 15.0#



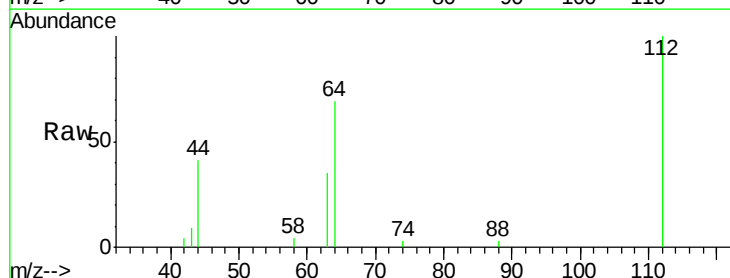
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



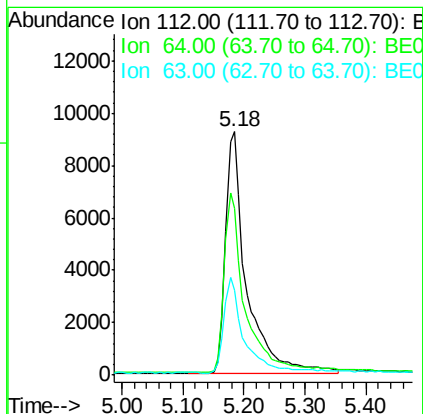
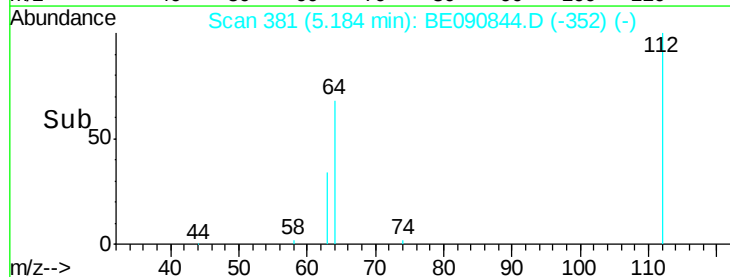
#4

2-Fluorophenol
 Concen: 3.64 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090844.D
 Acq: 16 Sep 2015 15:10

Tgt Ion: 112 Resp: 22236
 Ion Ratio Lower Upper
 112 100
 64 73.2 57.3 85.9
 63 38.1 29.2 43.8



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: 2.03 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-B

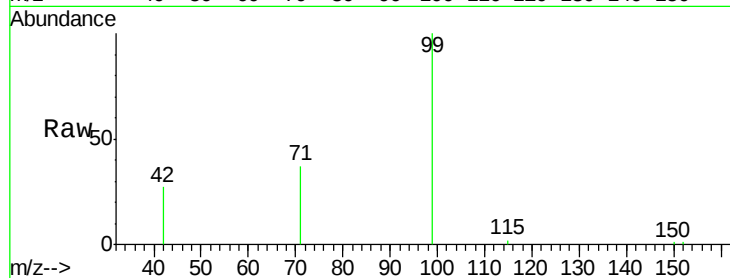
Tot Ion: 99 Resp: 17784

Ion Ratio Lower Upper

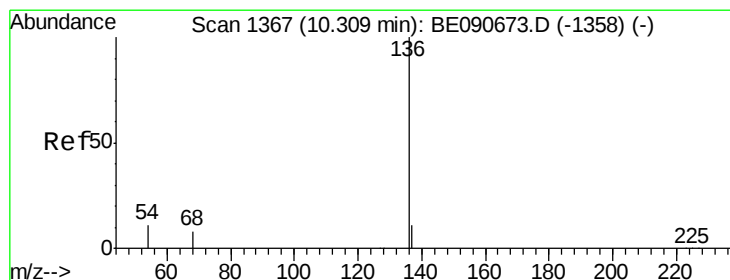
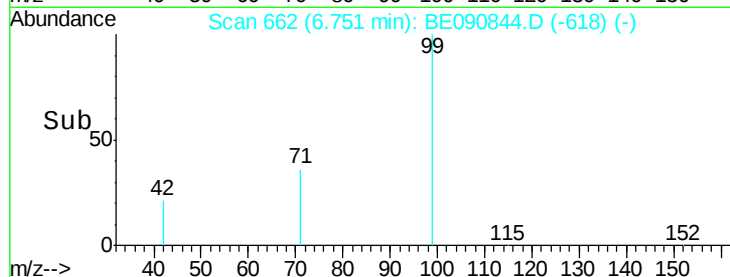
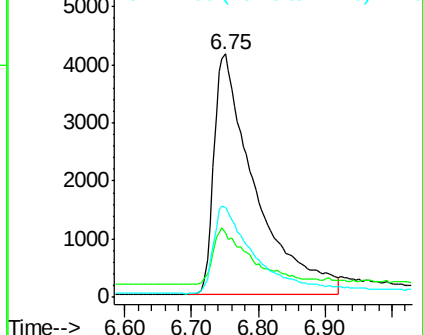
99 100

42 22.1 16.8 25.2

71 36.6 28.3 42.5



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: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Tgt Ion: 136 Resp: 138790

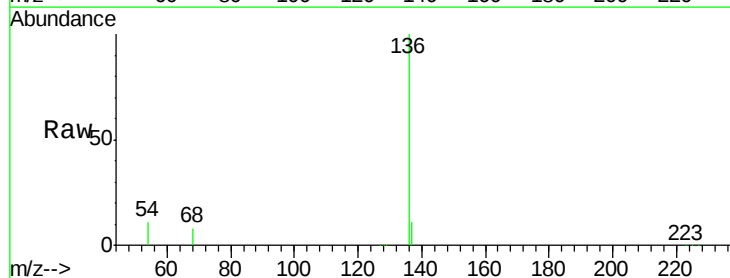
Ion Ratio Lower Upper

136 100

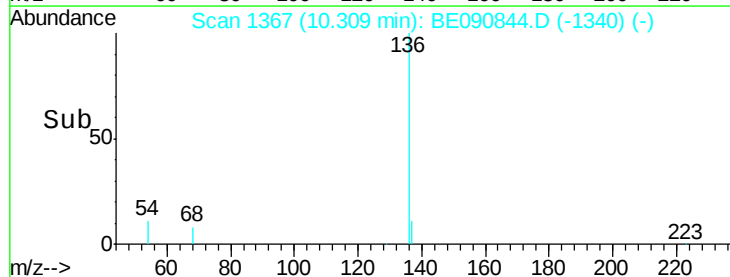
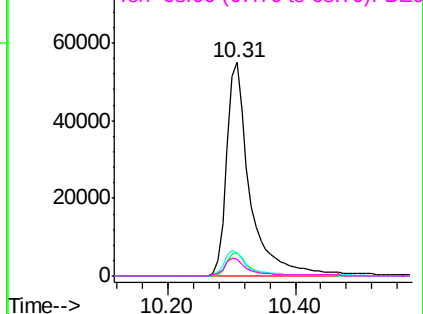
137 11.0 8.7 13.1

54 11.0 9.0 13.6

68 8.0 6.3 9.5



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: 3.66 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

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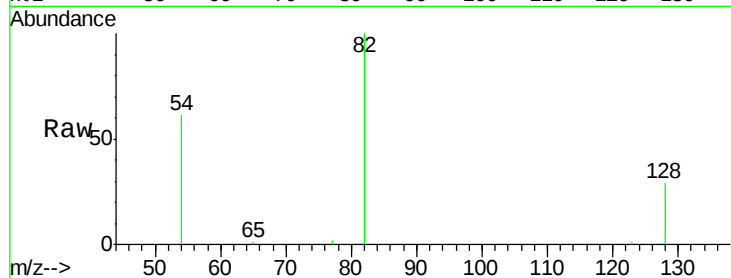
Tot Ion: 82 Resp: 33569

Ion Ratio Lower Upper

82 100

128 28.6 25.0 37.4

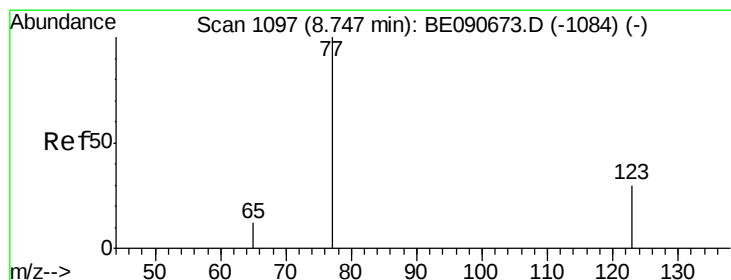
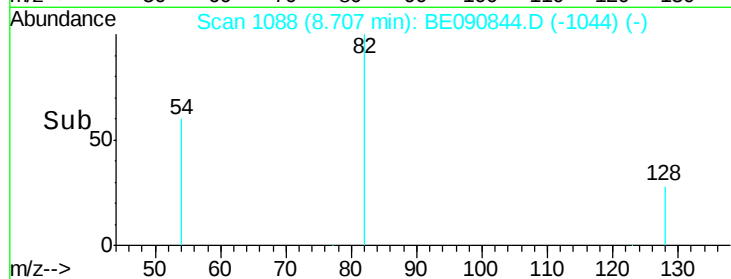
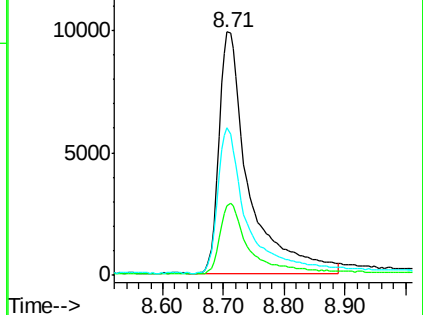
54 60.8 46.3 69.5



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: 0.11 ng

RT: 8.78 min Scan# 1104

Delta R.T. 0.03 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

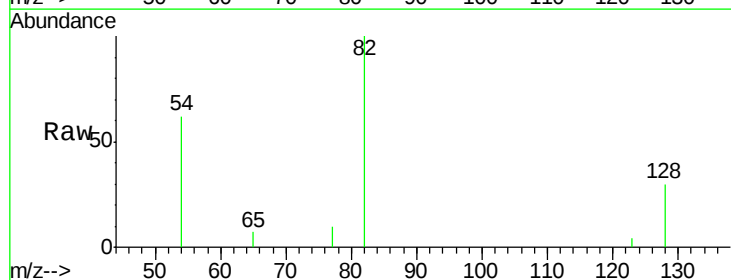
Tgt Ion: 77 Resp: 9

Ion Ratio Lower Upper

77 100

123 22.2 25.1 37.7#

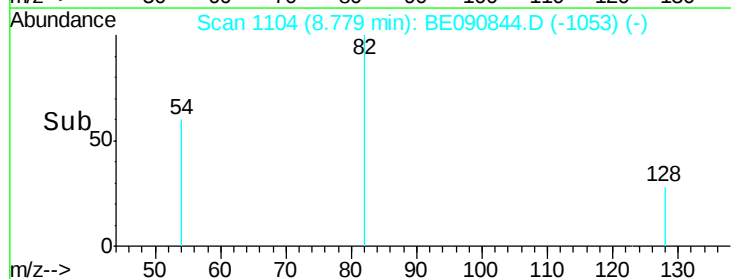
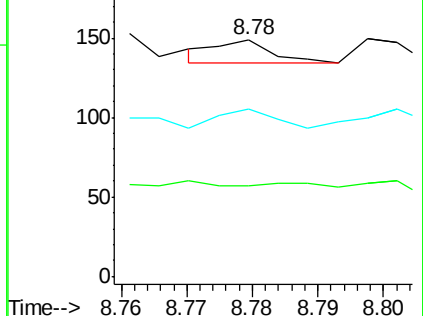
65 88.9 9.9 14.9#



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: 0.07 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

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ClientSampleId :

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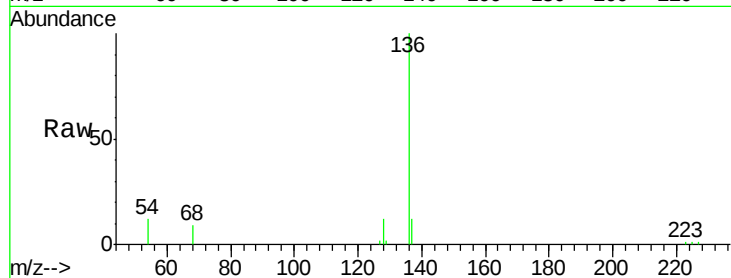
Tot Ion:128 Resp: 2026

Ion Ratio Lower Upper

128 100

129 18.6 9.0 13.6#

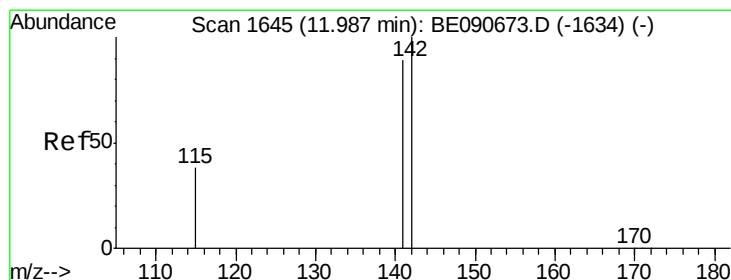
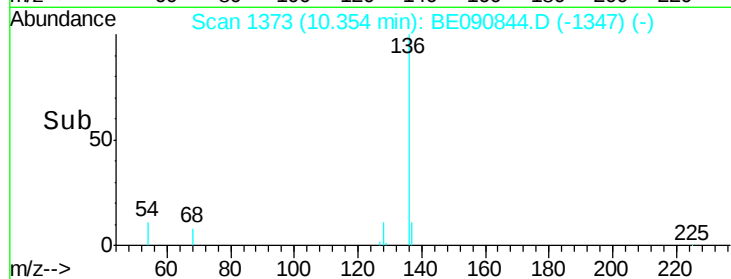
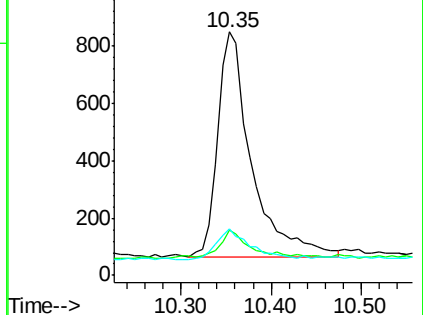
127 19.2 10.6 15.8#



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: 0.03 ng

RT: 11.99 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

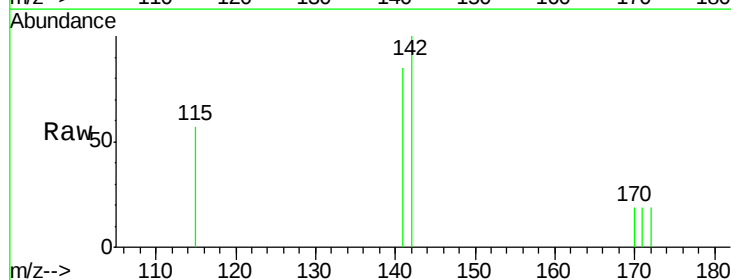
Tgt Ion:142 Resp: 505

Ion Ratio Lower Upper

142 100

141 85.4 71.4 107.2

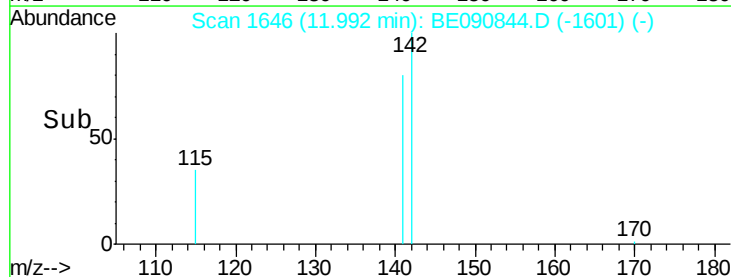
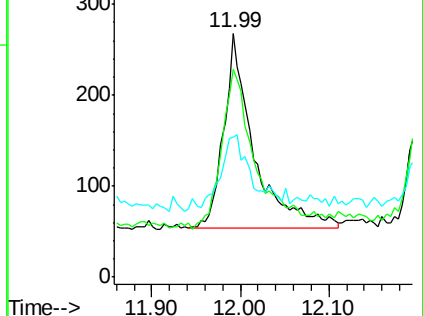
115 57.5 31.0 46.4#

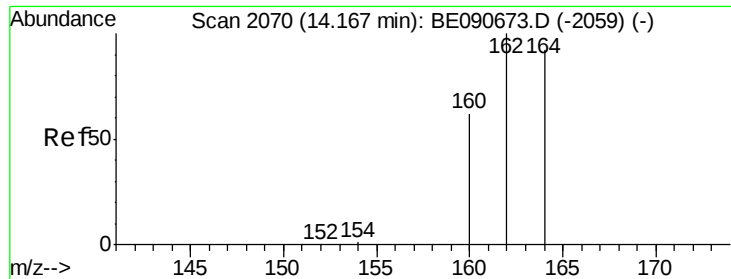


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

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ClientSampleId :

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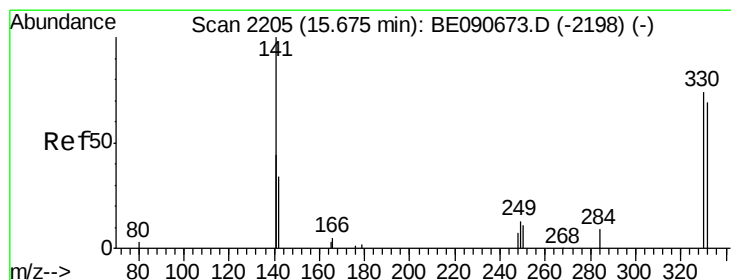
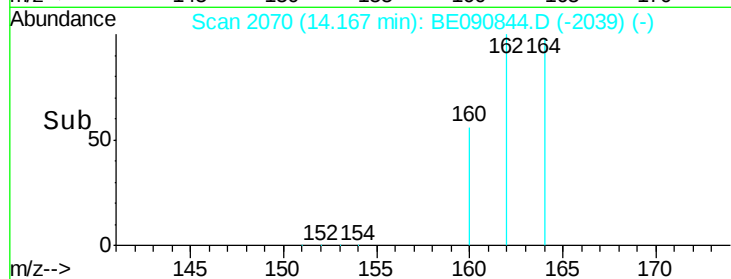
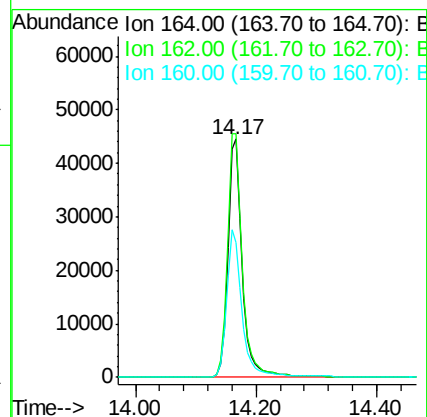
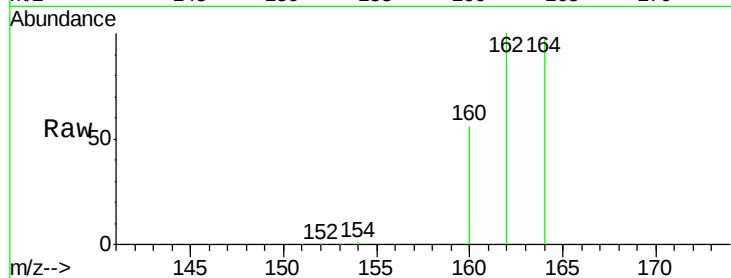
Tot Ion:164 Resp: 74397

Ion Ratio Lower Upper

164 100

162 102.3 86.8 130.2

160 56.9 53.9 80.9



#13

2,4,6-Tribromophenol

Concen: 6.53 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

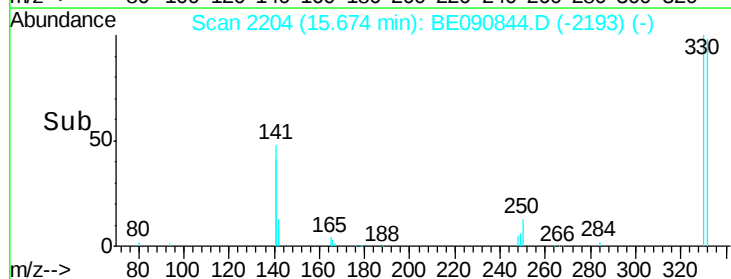
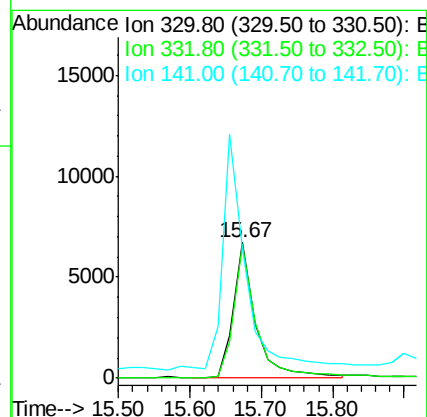
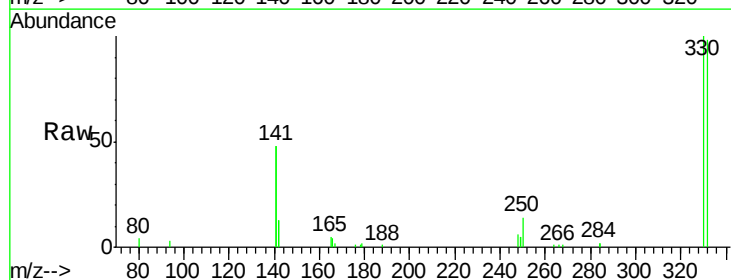
Tgt Ion:330 Resp: 14208

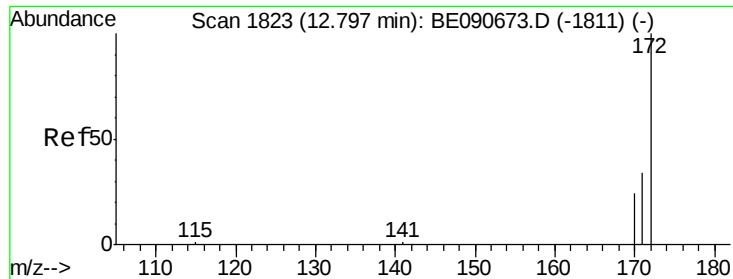
Ion Ratio Lower Upper

330 100

332 96.8 74.9 112.3

141 186.6 145.2 217.8

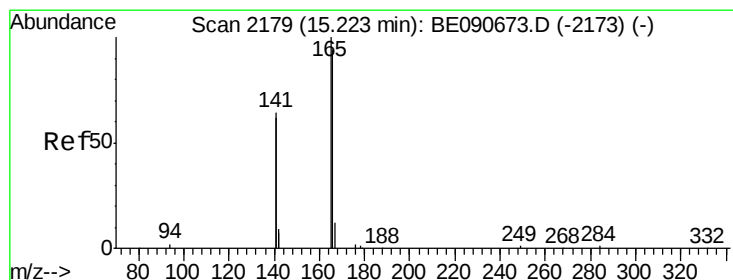
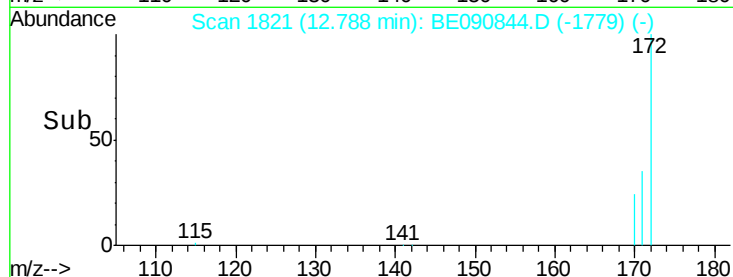
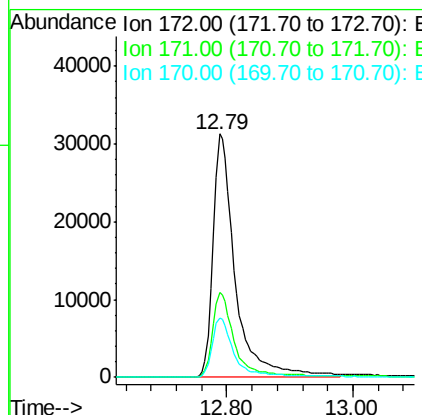
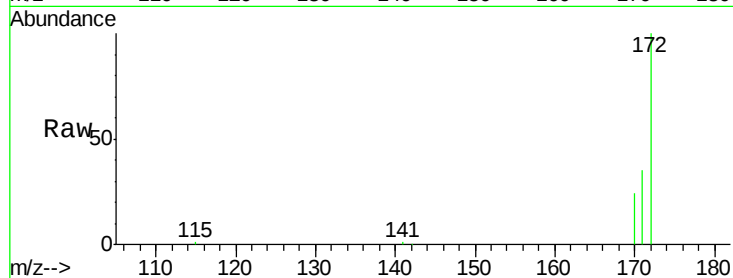




#14
2-Fluorobiphenyl
Concen: 3.70 ng
RT: 12.79 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BE090844.D
Acq: 16 Sep 2015 15:10

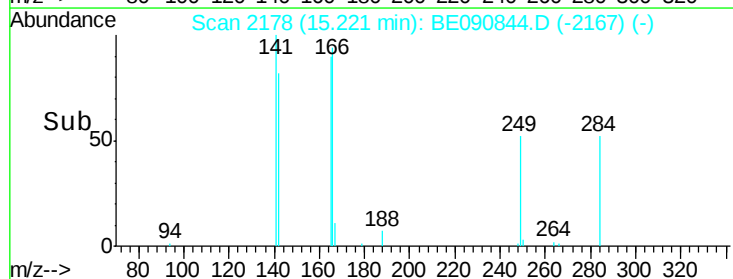
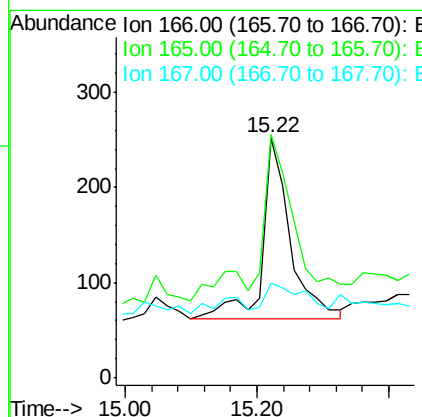
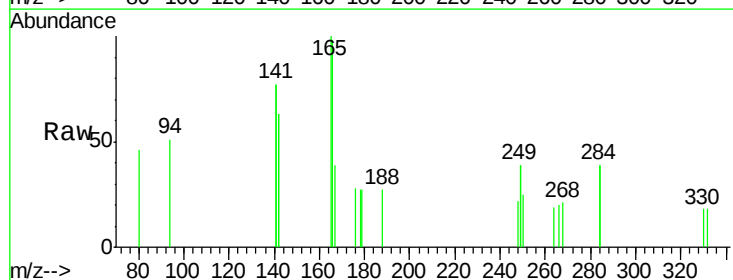
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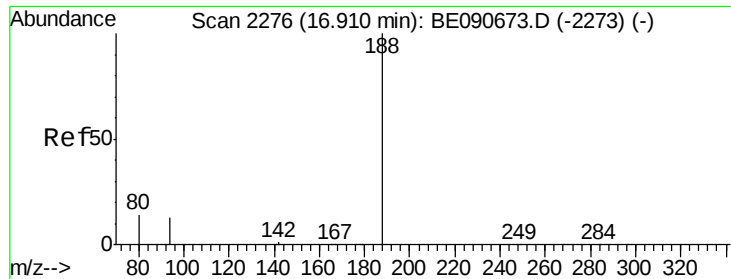
Tot Ion:172 Resp: 76192
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 24.4 19.8 29.6



#17
Fluorene
Concen: 0.02 ng
RT: 15.22 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE090844.D
Acq: 16 Sep 2015 15:10

Tgt Ion:166 Resp: 554
Ion Ratio Lower Upper
166 100
165 87.2 82.7 124.1
167 19.0 10.7 16.1#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

BNA_E

ClientSampleId :

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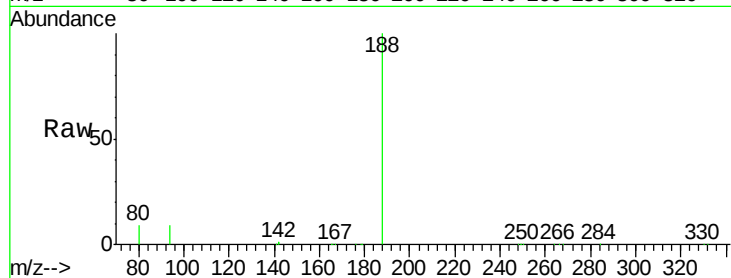
Tot Ion:188 Resp: 192582

Ion Ratio Lower Upper

188 100

94 8.7 10.3 15.5#

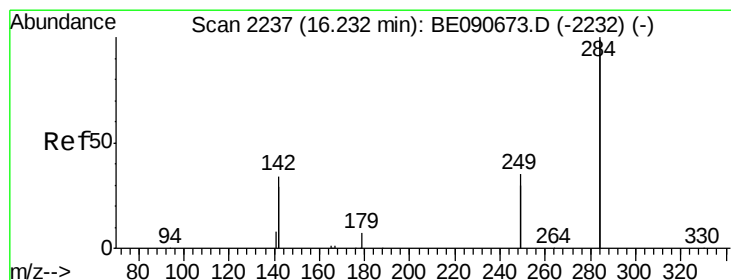
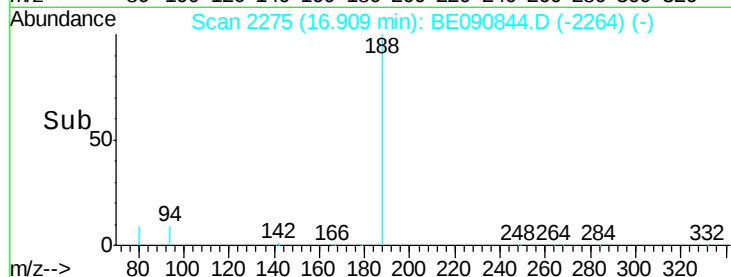
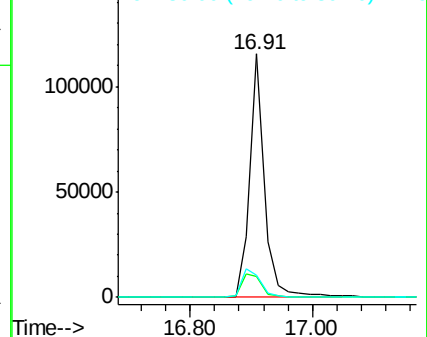
80 9.2 11.0 16.6#



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

Hexachlorobenzene

Concen: Below Cal

RT: 16.25 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

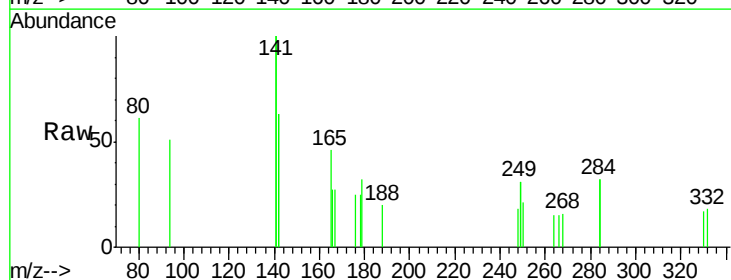
Tgt Ion:284 Resp: 71

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

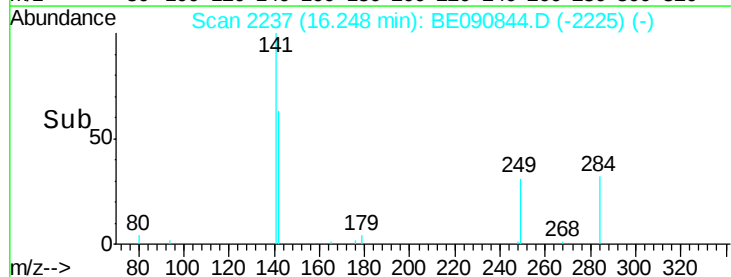
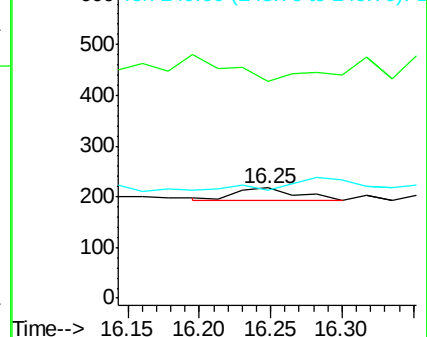
249 0.0 25.5 38.3#

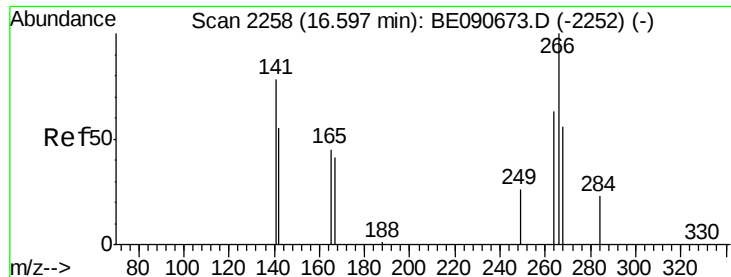


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 0.48 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-B

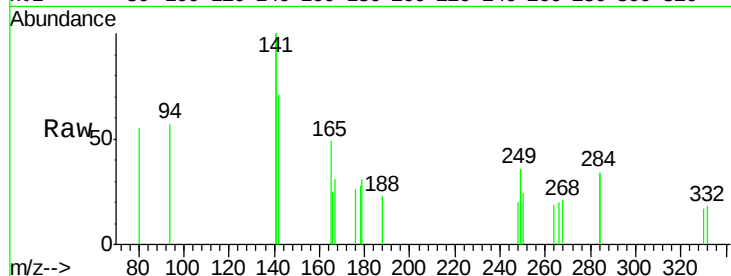
Tot Ion:266 Resp: 58

Ion Ratio Lower Upper

266 100

268 103.3 49.6 74.4#

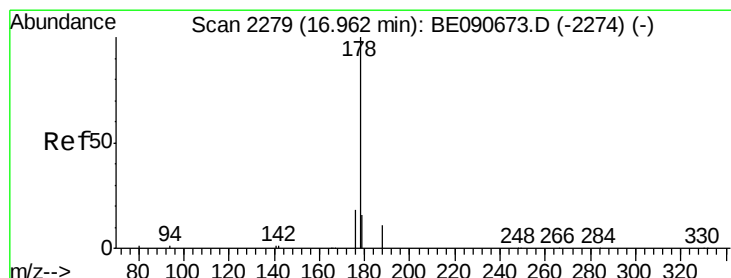
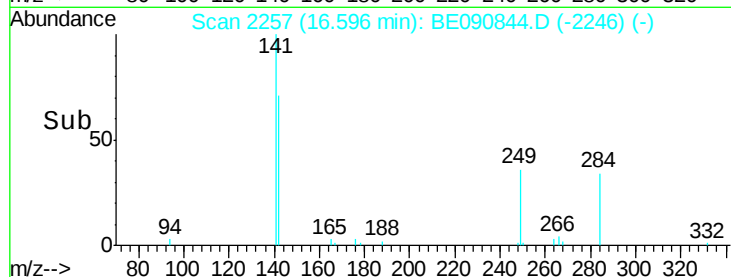
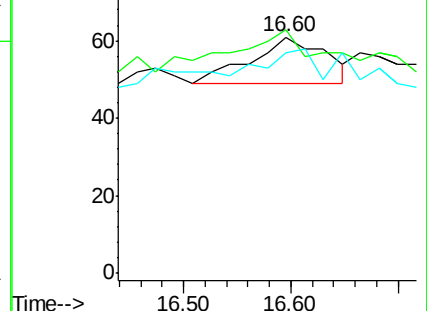
264 93.4 53.9 80.9#



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: 0.08 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

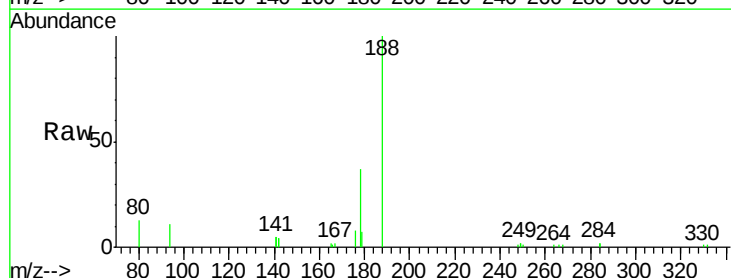
Tgt Ion:178 Resp: 3934

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

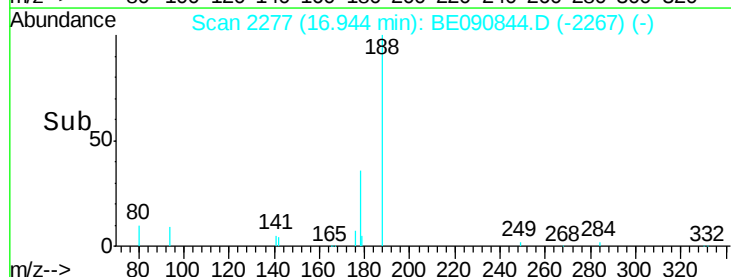
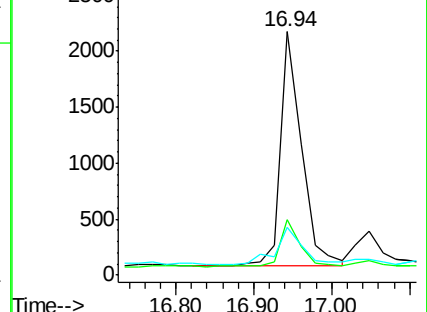
179 20.6 12.8 19.2#

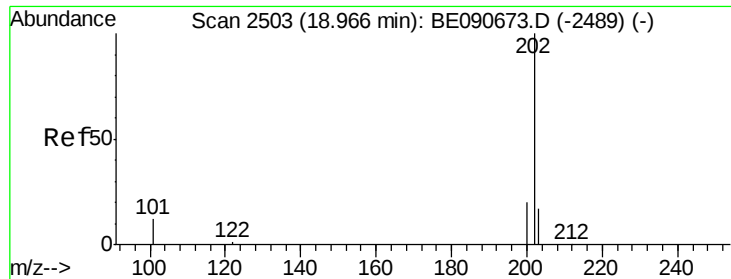


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene

Concen: 0.02 ng

RT: 18.96 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-B

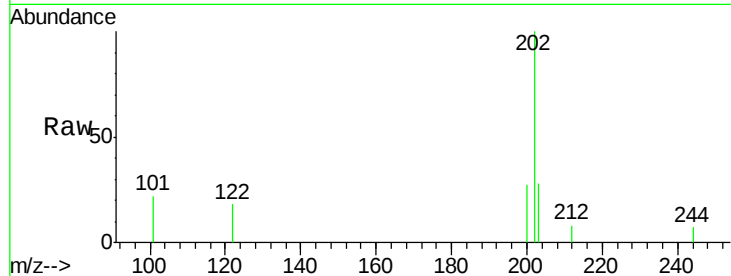
Tot Ion:202 Resp: 1131

Ion Ratio Lower Upper

202 100

101 18.9 11.0 16.6#

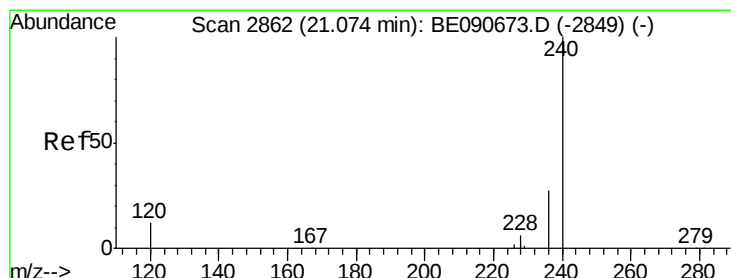
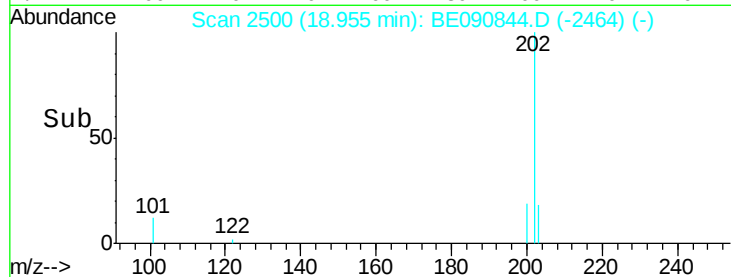
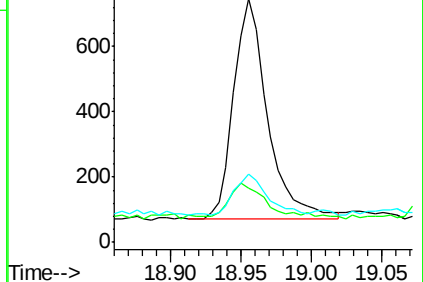
203 18.6 13.9 20.9



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: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

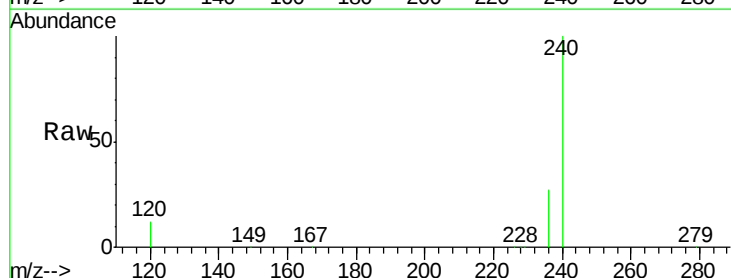
Tgt Ion:240 Resp: 253650

Ion Ratio Lower Upper

240 100

120 12.4 10.1 15.1

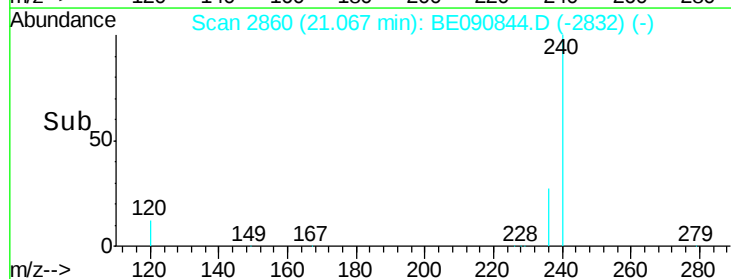
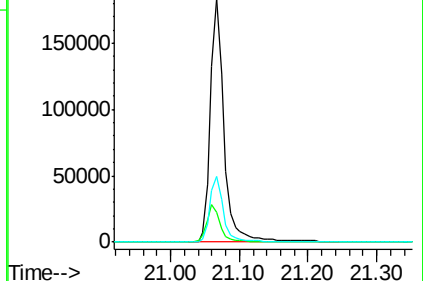
236 26.8 21.9 32.9

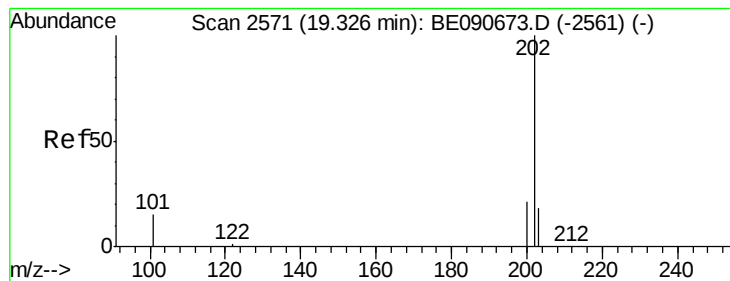


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Pvrene

Concen: 0.03 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-B

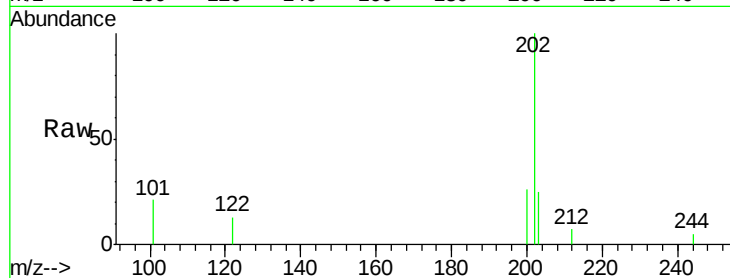
Tot Ion:202 Resp: 1583

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

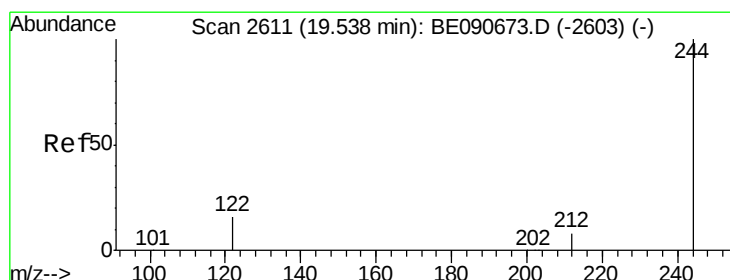
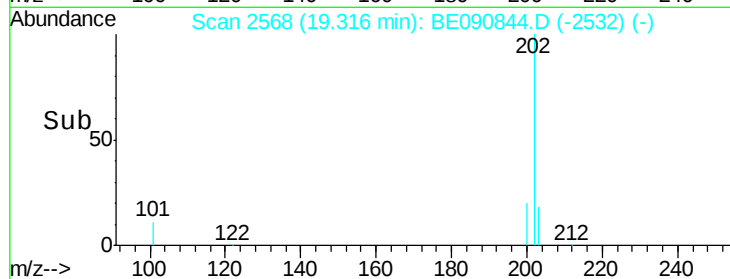
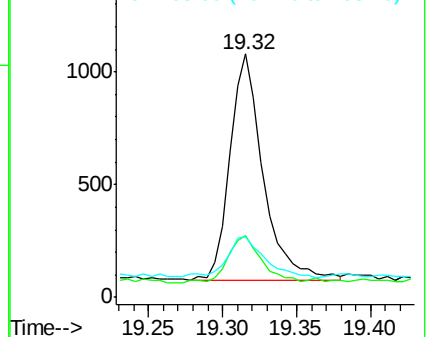
203 20.5 13.8 20.6



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: 5.29 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

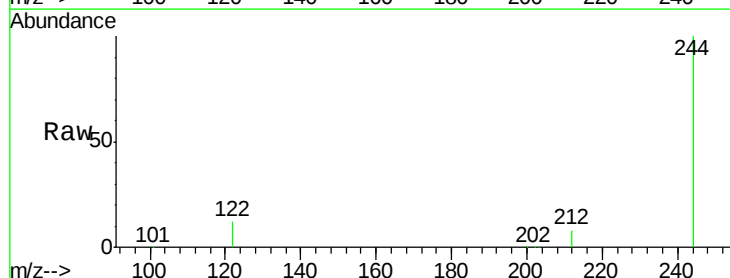
Tgt Ion:244 Resp: 148395

Ion Ratio Lower Upper

244 100

212 7.9 6.9 10.3

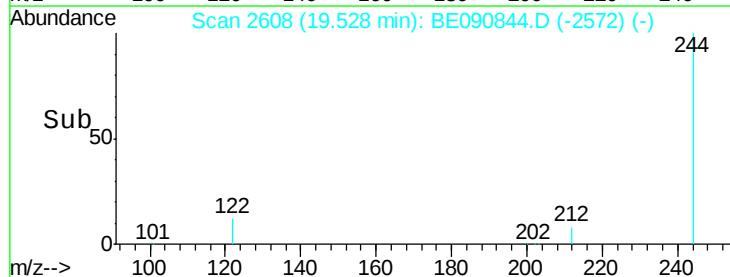
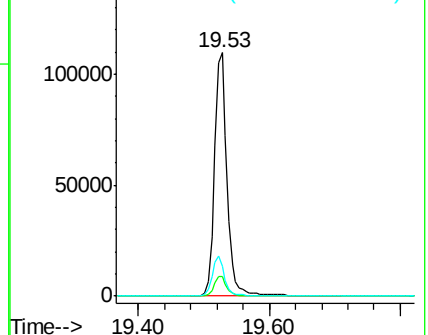
122 12.5 12.9 19.3#

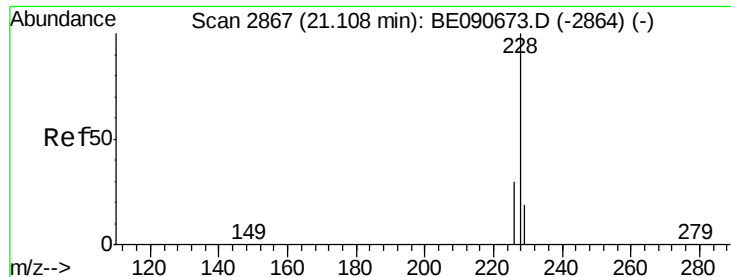


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-D-B

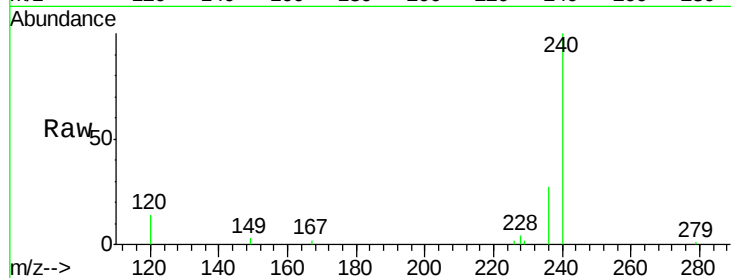
Tot Ion:228 Resp: 353

Ion Ratio Lower Upper

228 100

226 42.4 24.2 36.4#

229 43.6 15.3 22.9#

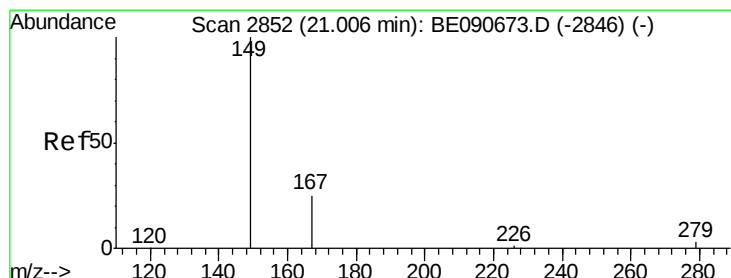
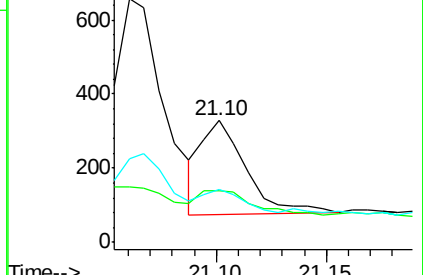
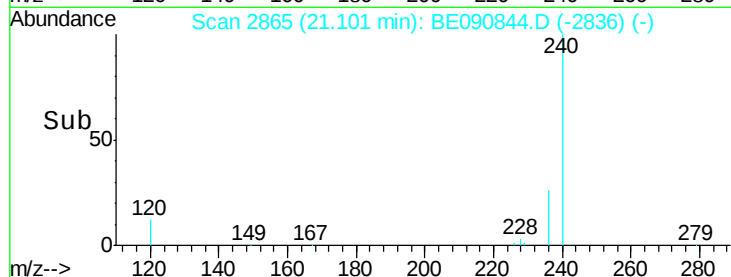


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 20.99 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090844.D

Acq: 16 Sep 2015 15:10

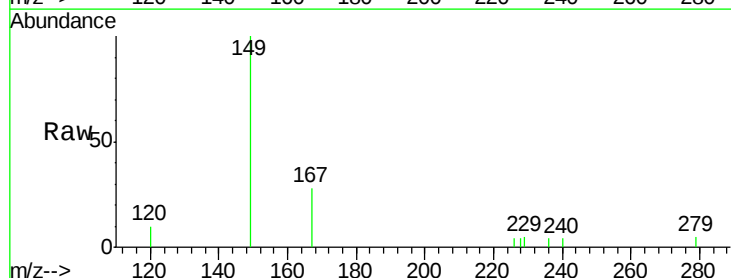
Tgt Ion:149 Resp: 1831

Ion Ratio Lower Upper

149 100

167 25.3 20.1 30.1

279 2.8 2.3 3.5

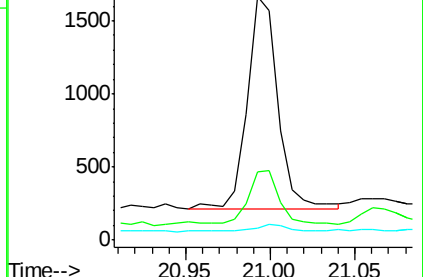
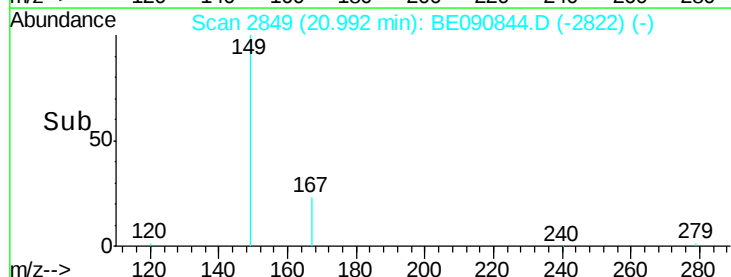


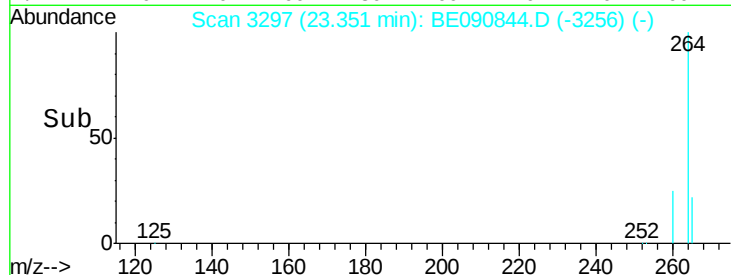
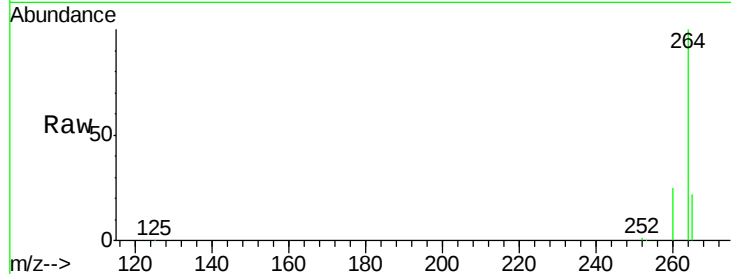
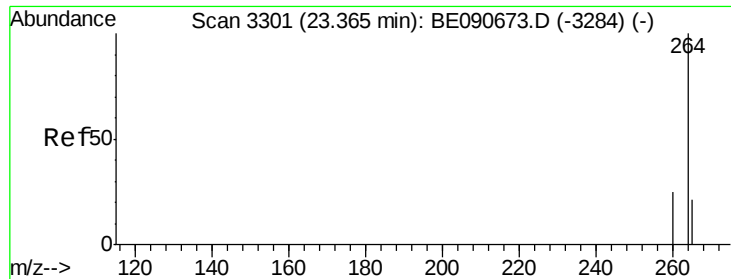
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->

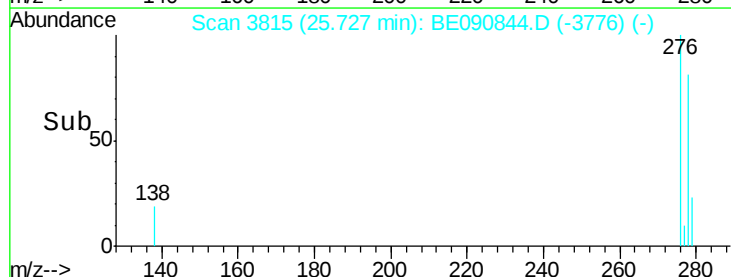
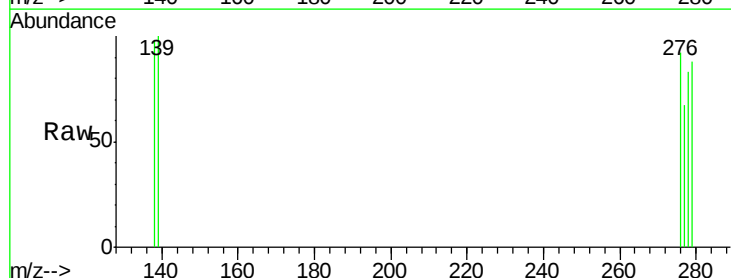
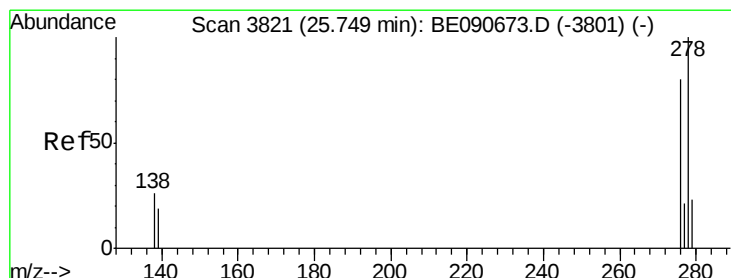
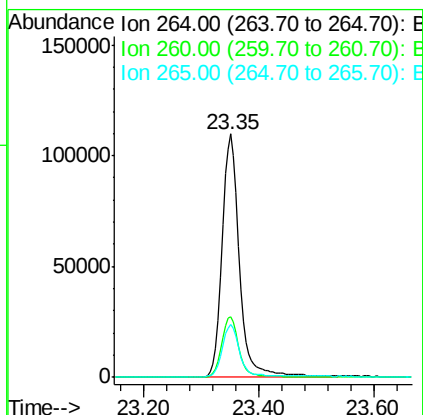




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 3297
 Delta R.T. -0.01 min
 Lab File: BE090844.D
 Acq: 16 Sep 2015 15:10

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-D-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.7	29.5
265	21.9	17.5	26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.73 min Scan# 3815
 Delta R.T. -0.02 min
 Lab File: BE090844.D
 Acq: 16 Sep 2015 15:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	121.0	15.4	23.0#
279	106.2	18.8	28.2#

