

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\
 Data File : BE090780.D
 Acq On : 11 Sep 2015 2:34
 Operator : UM/IZ
 Sample : G3599-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 090415-D534-F-U-S

Quant Time: Sep 11 03:55:34 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

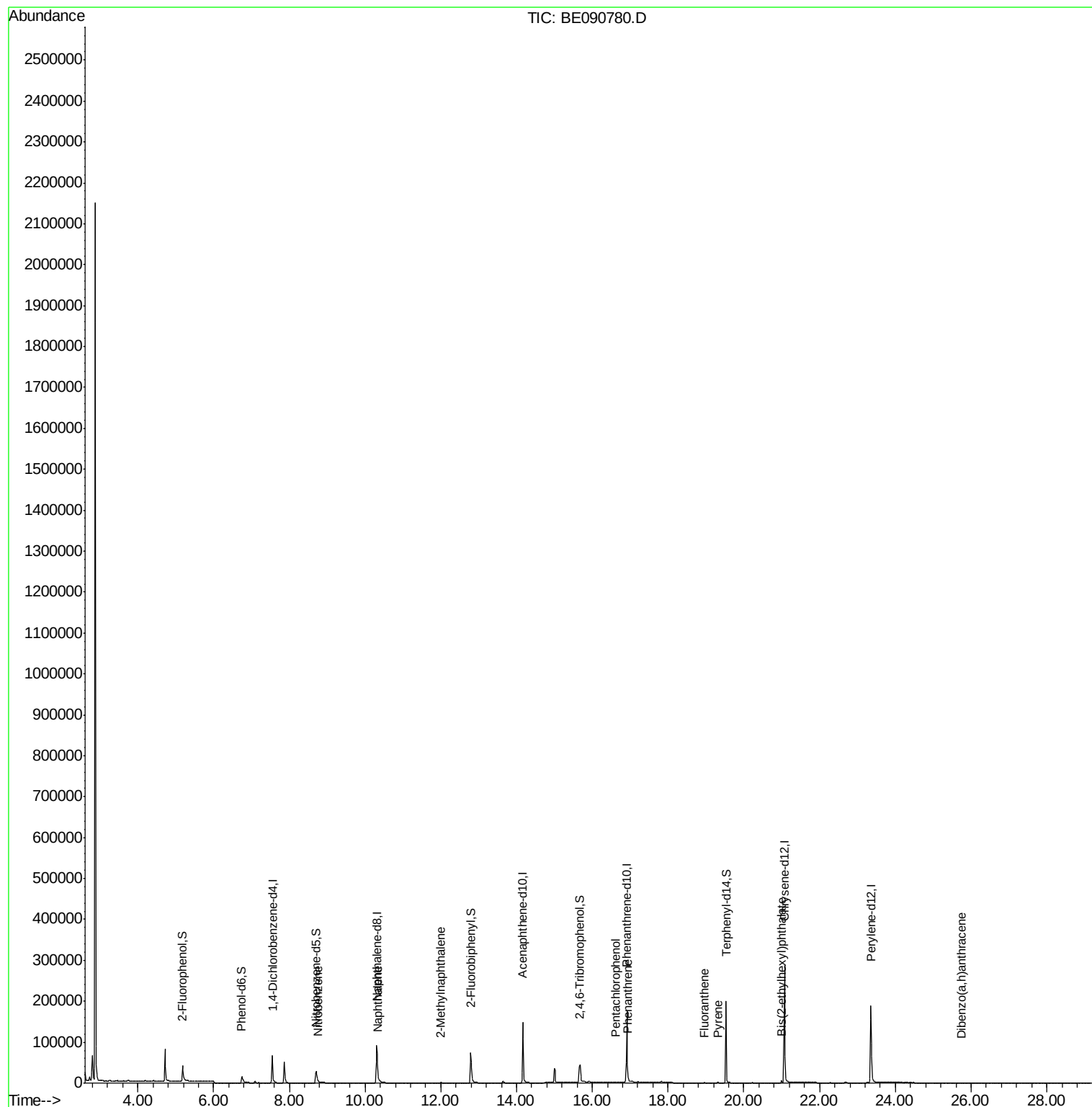
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	39422	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	172824	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	88265	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	228664	5.00	ng	0.00
25) Chrysene-d12	21.07	240	294346	5.00	ng	0.00
32) Perylene-d12	23.36	264	267743	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	38812	5.06	ng	0.00
5) Phenol-d6	6.75	99	35125	3.20	ng	0.00
7) Nitrobenzene-d5	8.71	82	50724	4.44	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	25951	9.98	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	107921	4.42	ng	0.00
27) Terphenyl-d14	19.53	244	198023	6.08	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.15	88	203	Below Cal	#	6
3) n-Nitrosodimethylamine	3.41	42	86	Below Cal	#	1
8) Nitrobenzene	8.77	77	9	0.11	ng	79
9) Naphthalene	10.36	128	872	0.02	ng	66
11) 2-Methylnaphthalene	12.00	142	1669	0.08	ng	93
20) Hexachlorobenzene	16.23	284	79	Below Cal	#	1
21) Pentachlorophenol	16.61	266	11	0.46	ng	60
22) Phenanthrene	16.94	178	2145	0.04	ng	79
24) Fluoranthene	18.96	202	1484	0.02	ng	96
26) Pyrene	19.32	202	1439	0.02	ng	93
29) Chrysene	21.11	228	418	Below Cal	#	72
30) Bis(2-ethylhexyl)phthalate	21.00	149	4622	0.33	ng	99
36) Dibenzo(a,h)anthracene	25.74	278	30	0.14	ng	1

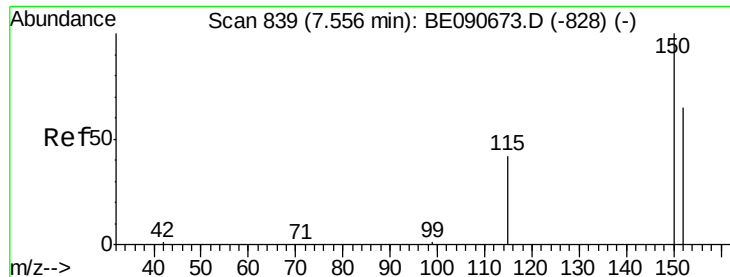
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

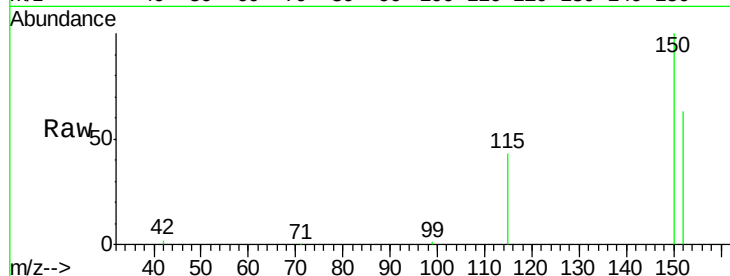
Tot Ion:152 Resp: 39422

Ion Ratio Lower Upper

152 100

150 157.6 122.2 183.4

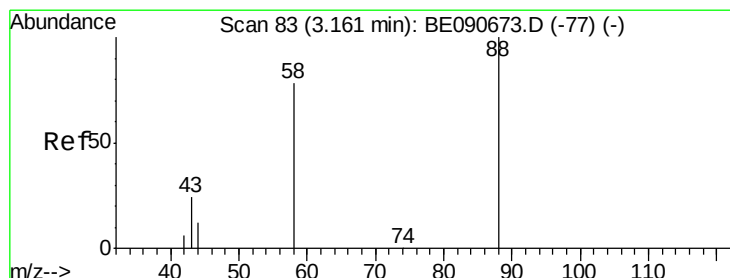
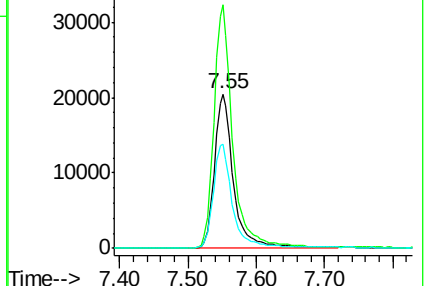
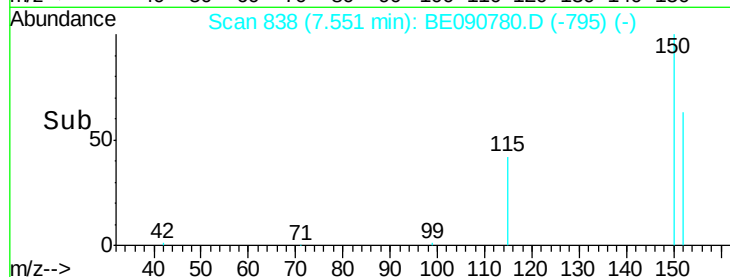
115 67.0 51.0 76.4



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: Below Cal

RT: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

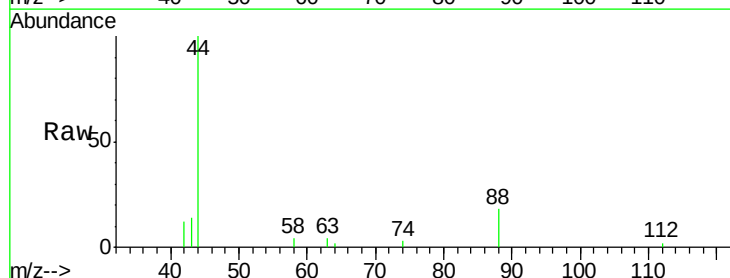
Tgt Ion: 88 Resp: 203

Ion Ratio Lower Upper

88 100

58 33.5 68.4 102.6#

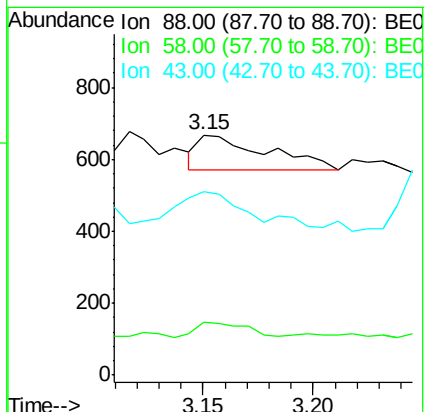
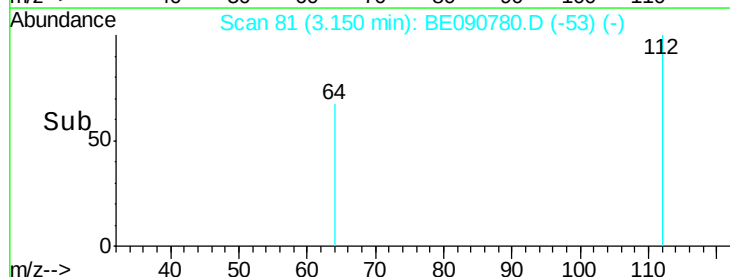
43 140.9 26.9 40.3#

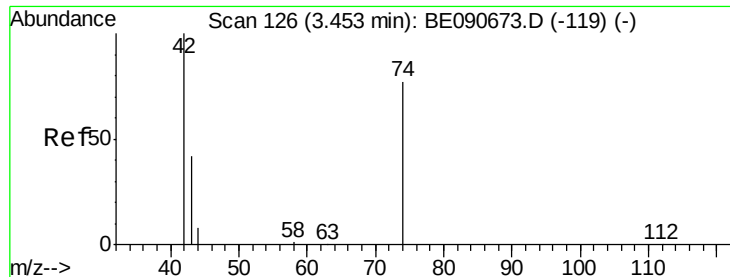


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



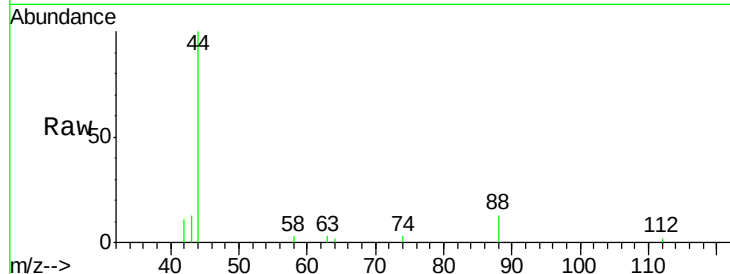


#3

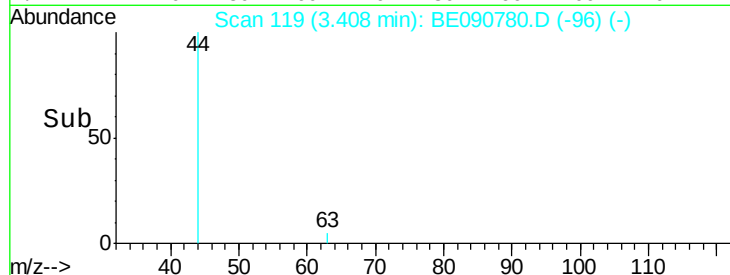
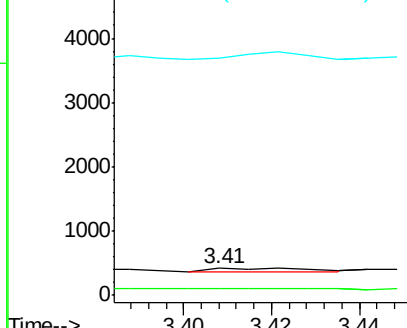
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.41 min Scan# 119
Delta R.T. -0.04 min
Lab File: BE090780.D
Acq: 11 Sep 2015 2:34

Instrument :
BNA_E
ClientSampleId :
090415-D534-F-U-S

Tot Ion: 42 Resp: 86
Ion Ratio Lower Upper
42 100
74 16.3 83.7 125.5#
44 241.9 10.0 15.0#



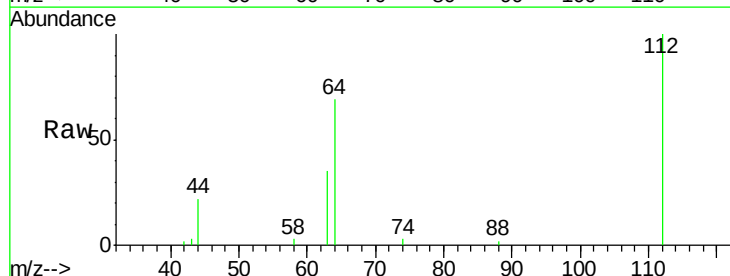
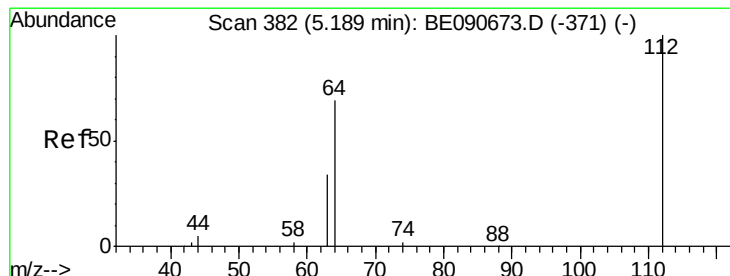
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



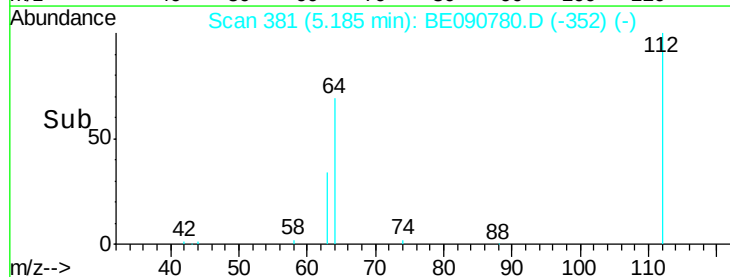
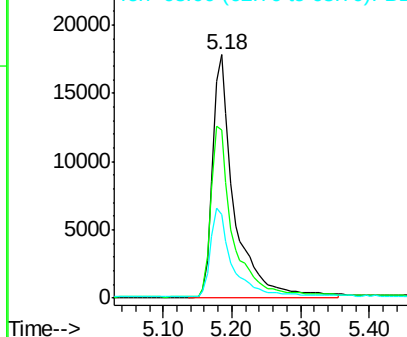
#4

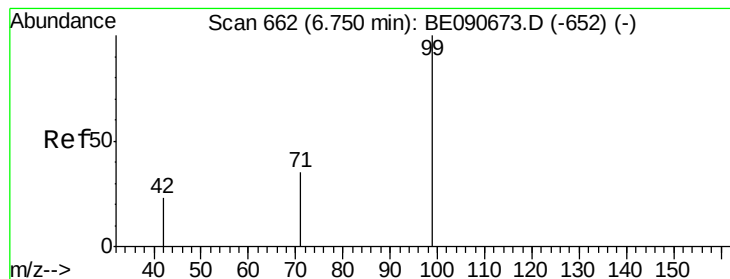
2-Fluorophenol
Concen: 5.06 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.00 min
Lab File: BE090780.D
Acq: 11 Sep 2015 2:34

Tgt Ion: 112 Resp: 38812
Ion Ratio Lower Upper
112 100
64 71.8 57.3 85.9
63 37.3 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.20 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

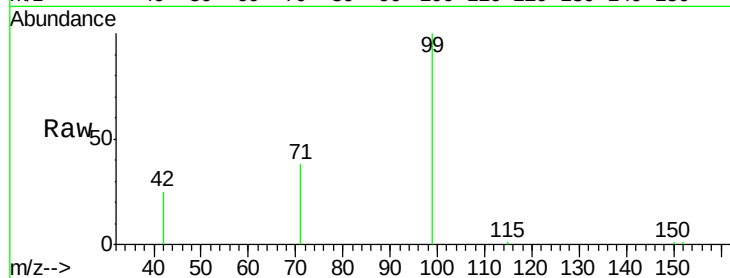
Tot Ion: 99 Resp: 35125

Ion Ratio Lower Upper

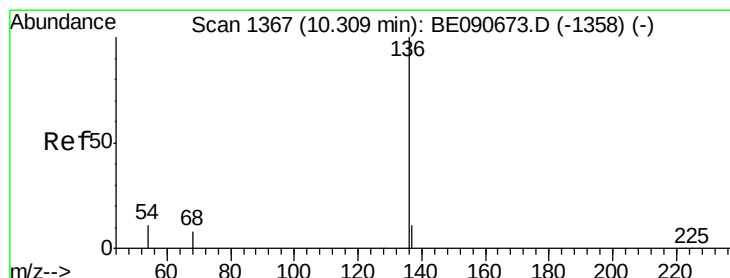
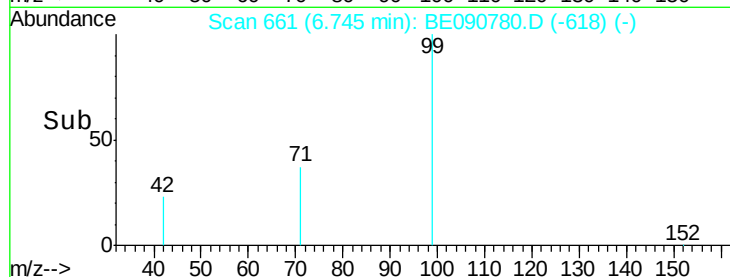
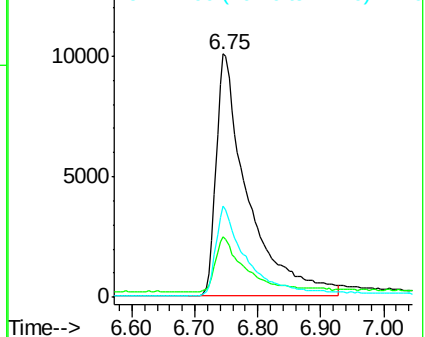
99 100

42 22.2 16.8 25.2

71 36.2 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: BE090780.D

Acq: 11 Sep 2015 2:34

Tgt Ion: 136 Resp: 172824

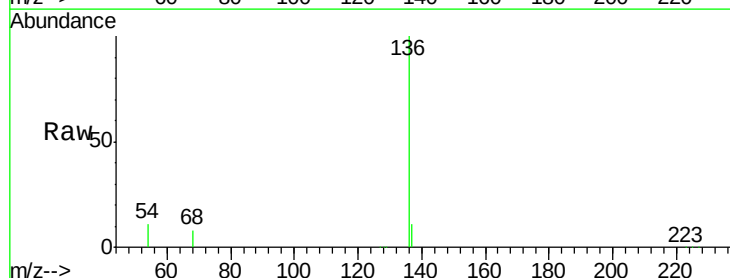
Ion Ratio Lower Upper

136 100

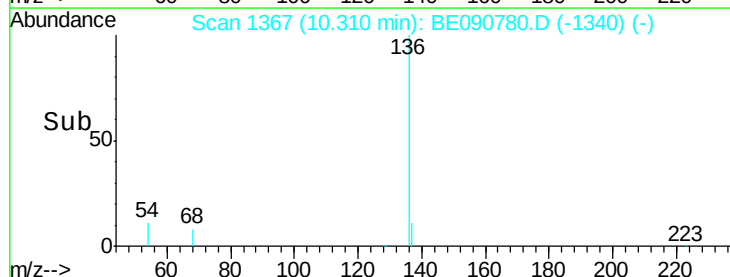
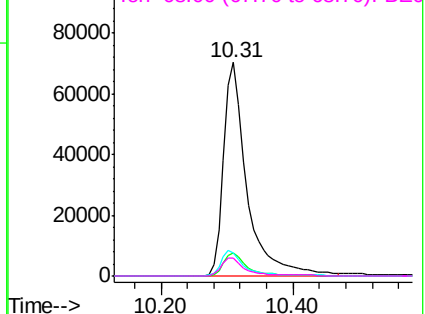
137 10.9 8.7 13.1

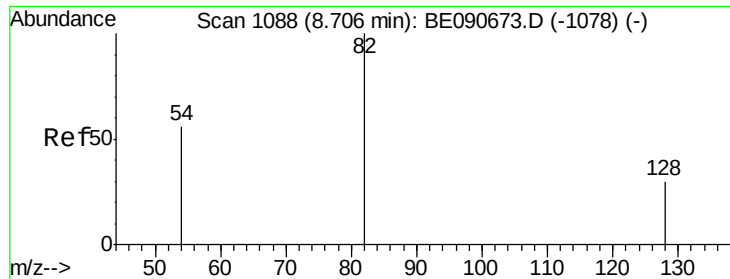
54 10.9 9.0 13.6

68 8.2 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: 4.44 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

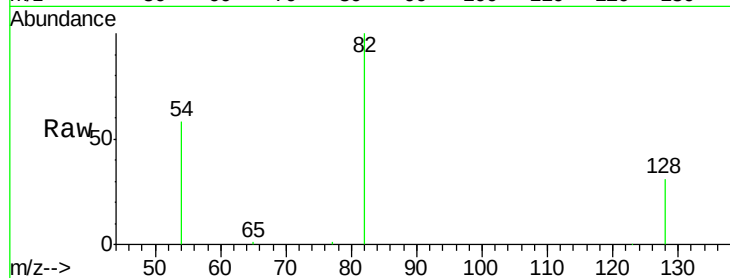
Tot Ion: 82 Resp: 50724

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.4

54 57.7 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

8.71

15000

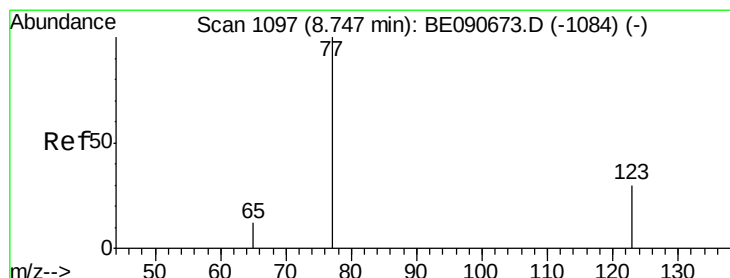
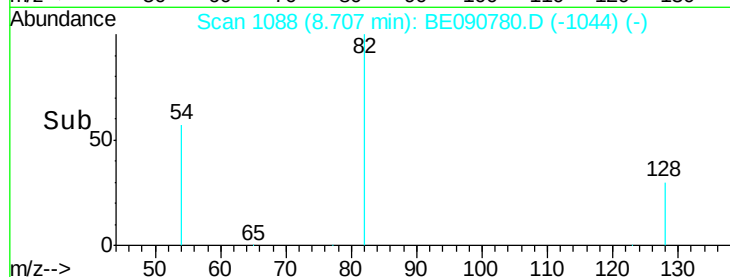
10000

5000

0

Time-->

8.60 8.70 8.80 8.90



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1101

Delta R.T. 0.02 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

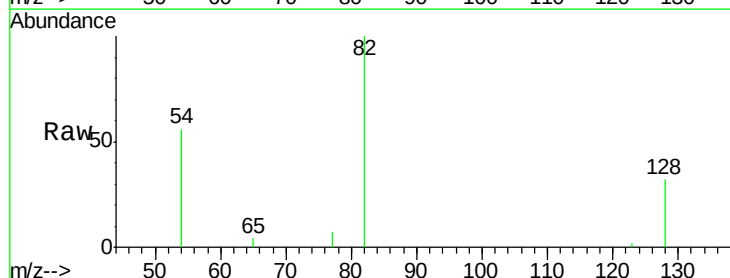
Tgt Ion: 77 Resp: 9

Ion Ratio Lower Upper

77 100

123 22.2 25.1 37.7#

65 0.0 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

8.77

200

150

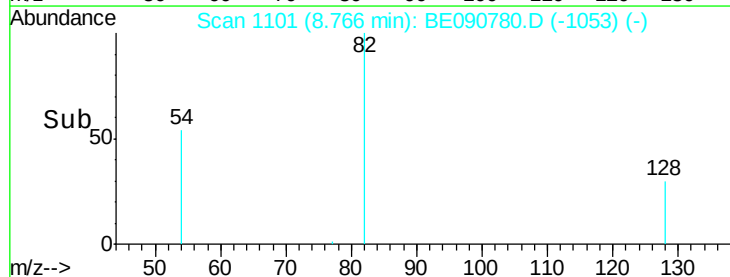
100

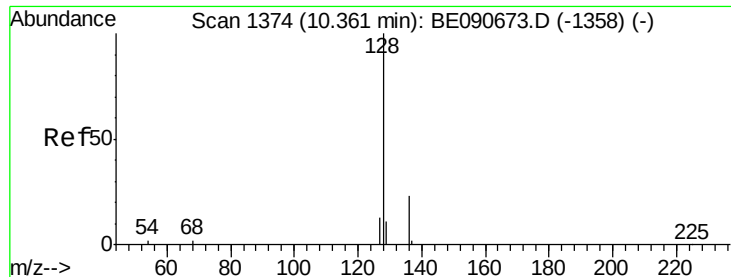
50

0

Time-->

8.76 8.77





#9

Naphthalene

Concen: 0.02 ng

RT: 10.36 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

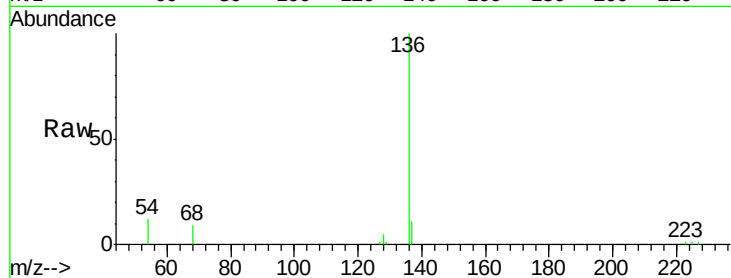
Tot Ion:128 Resp: 872

Ion Ratio Lower Upper

128 100

129 26.6 9.0 13.6#

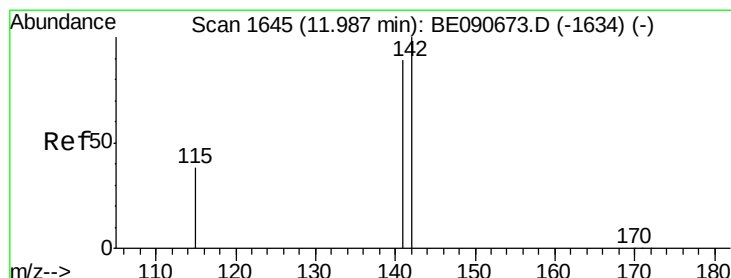
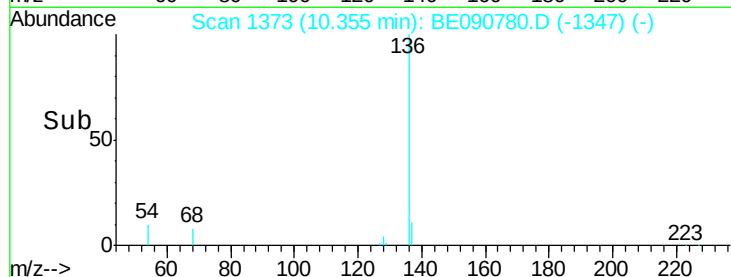
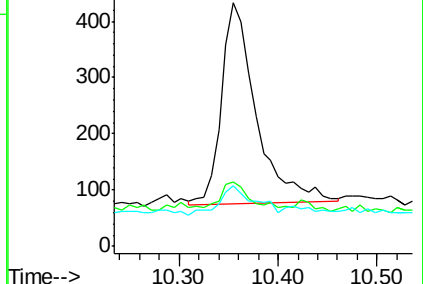
127 24.9 10.6 15.8#



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: 0.08 ng

RT: 12.00 min Scan# 1647

Delta R.T. 0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

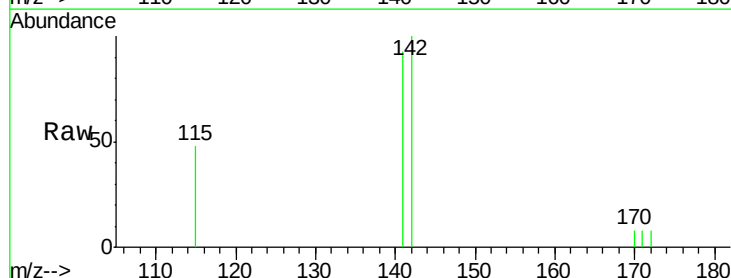
Tgt Ion:142 Resp: 1669

Ion Ratio Lower Upper

142 100

141 92.7 71.4 107.2

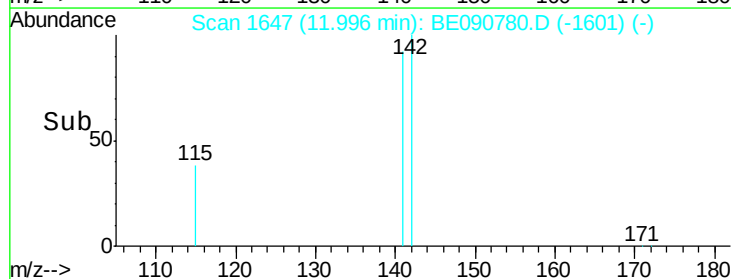
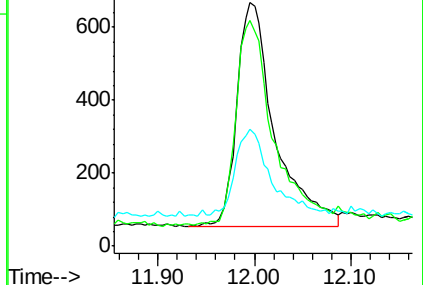
115 48.1 31.0 46.4#

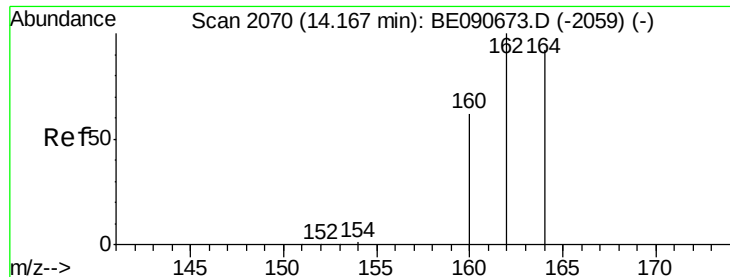


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

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ClientSampleId :

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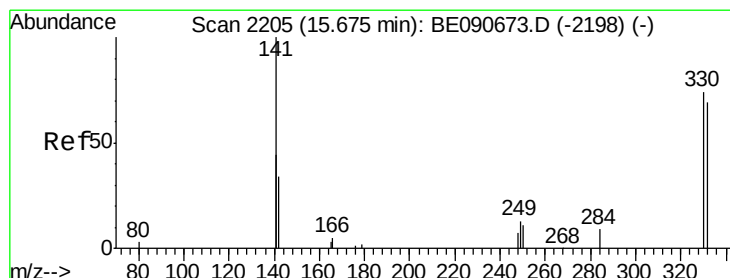
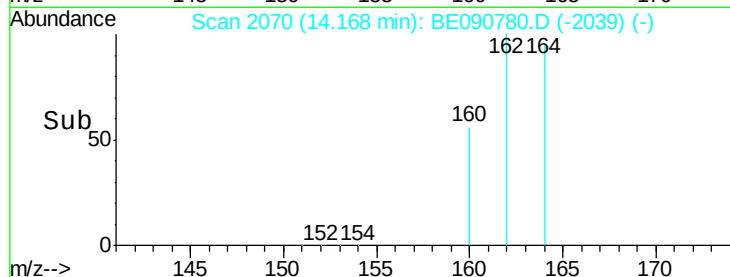
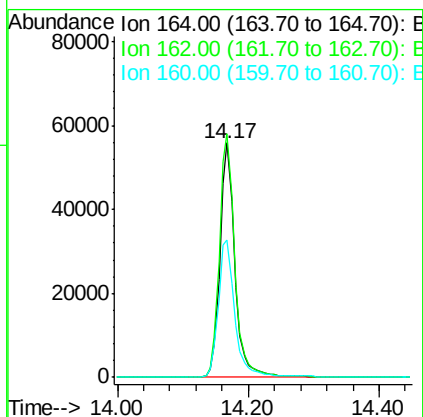
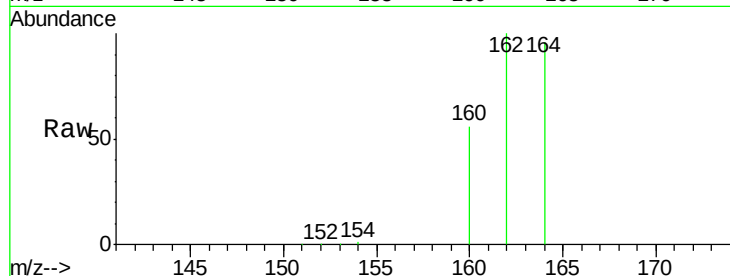
Tot Ion:164 Resp: 88265

Ion Ratio Lower Upper

164 100

162 103.8 86.8 130.2

160 58.5 53.9 80.9



#13

2,4,6-Tribromophenol

Concen: 9.98 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

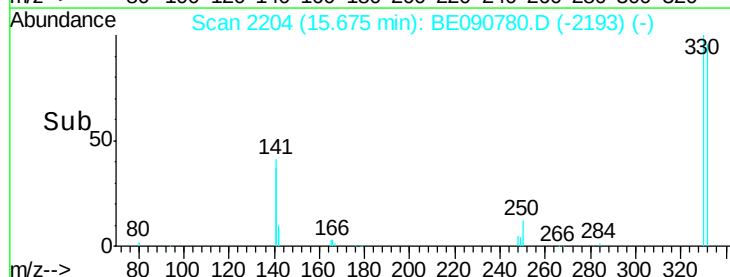
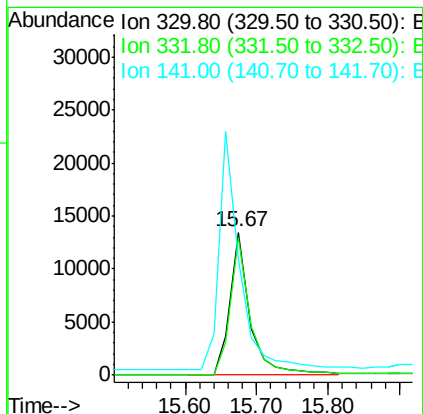
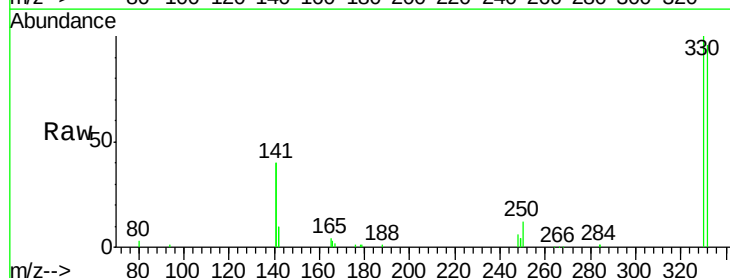
Tgt Ion:330 Resp: 25951

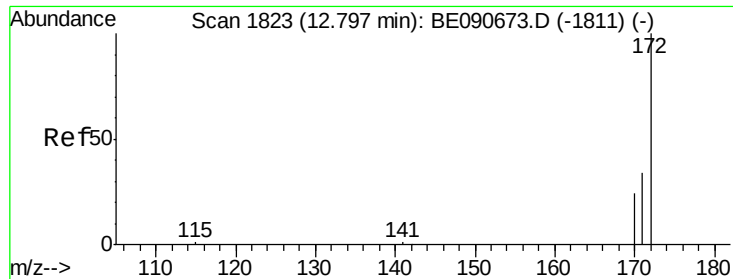
Ion Ratio Lower Upper

330 100

332 96.2 74.9 112.3

141 177.2 145.2 217.8

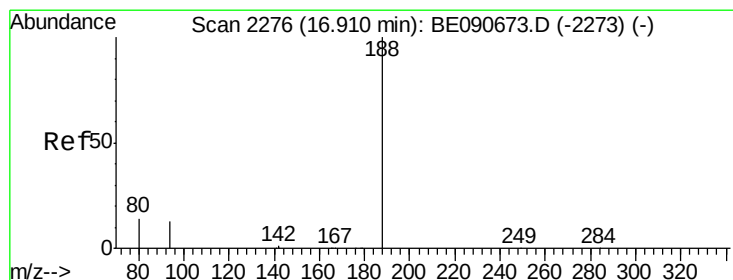
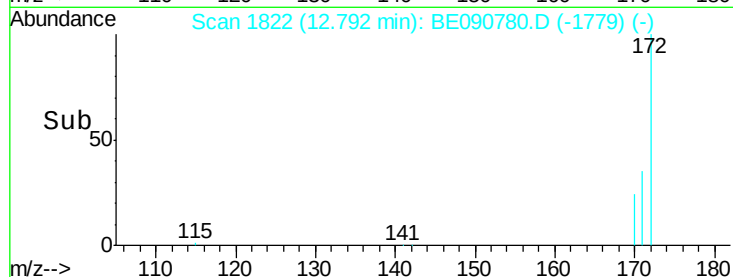
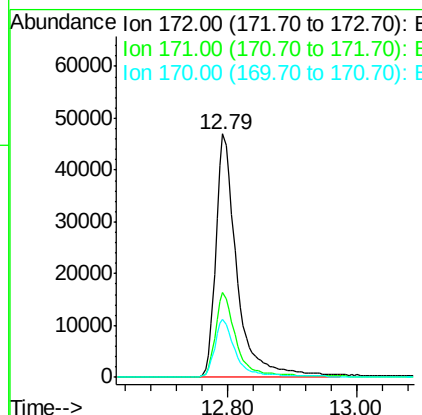
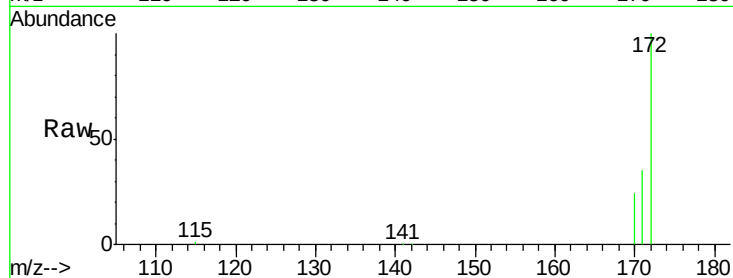




#14
2-Fluorobiphenyl
Concen: 4.42 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090780.D
Acq: 11 Sep 2015 2:34

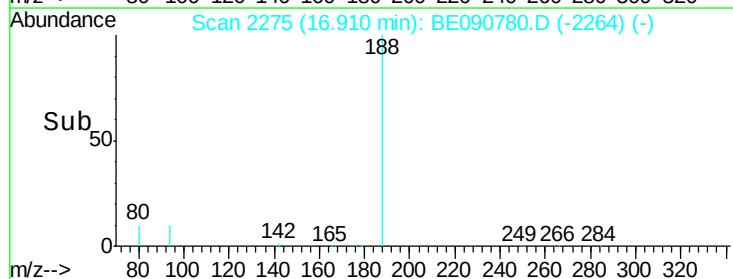
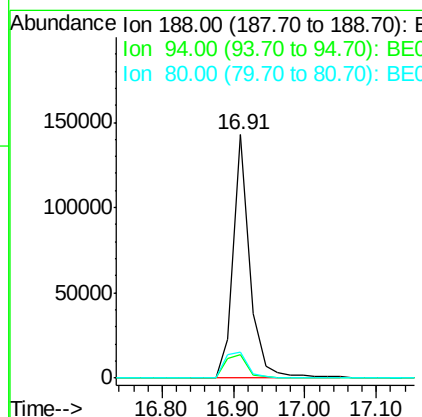
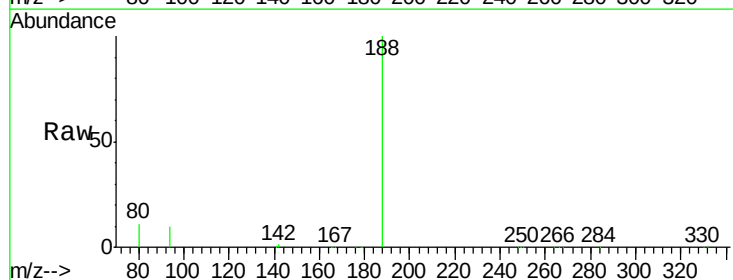
Instrument :
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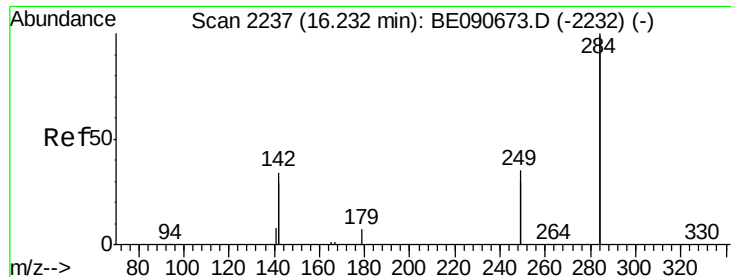
Tot Ion:172 Resp: 107921
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.9 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090780.D
Acq: 11 Sep 2015 2:34

Tgt Ion:188 Resp: 228664
Ion Ratio Lower Upper
188 100
94 9.9 10.3 15.5#
80 10.6 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

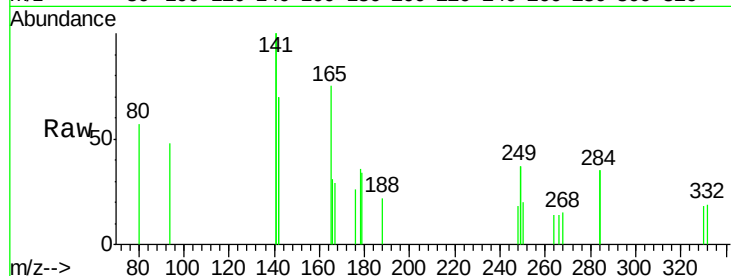
Tot Ion:284 Resp: 79

Ion Ratio Lower Upper

284 100

142 230.4 35.0 52.4#

249 84.8 25.5 38.3#

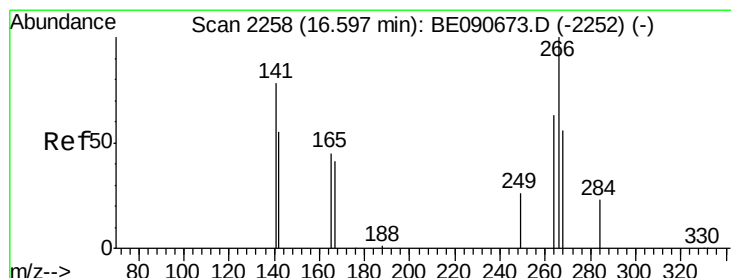
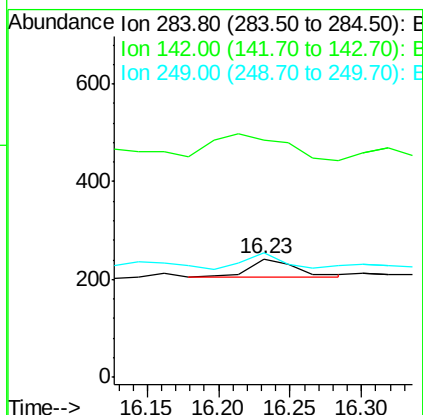
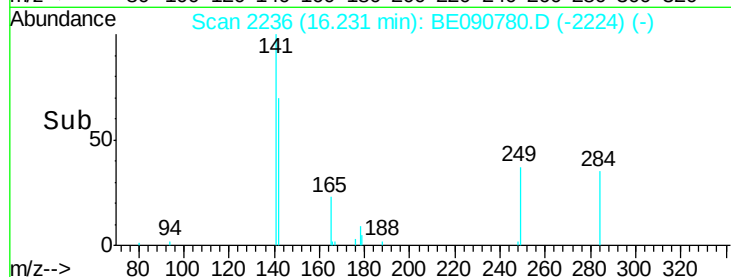


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



#21

Pentachlorophenol

Concen: 0.46 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

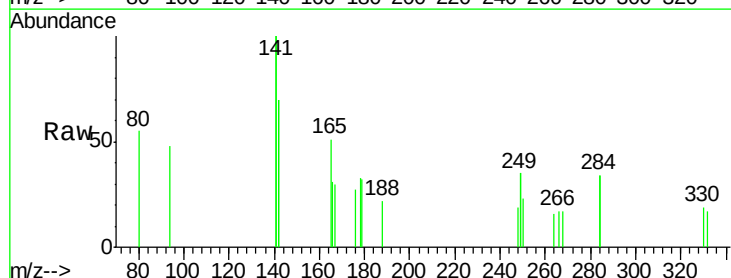
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

264 92.7 53.9 80.9#

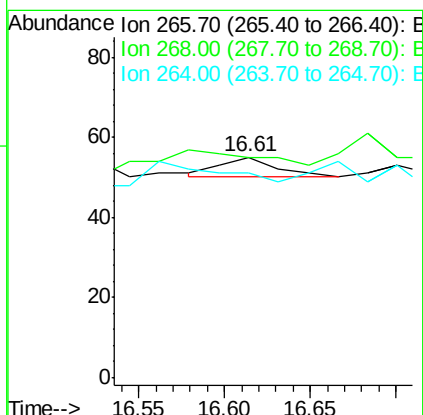
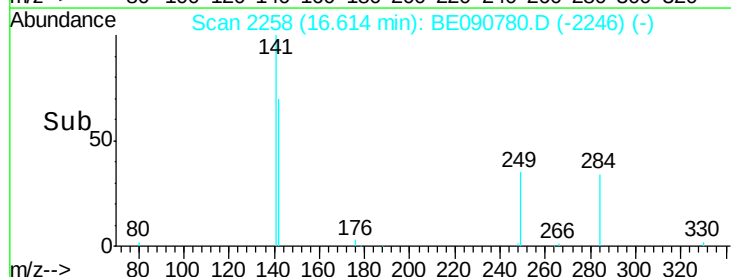


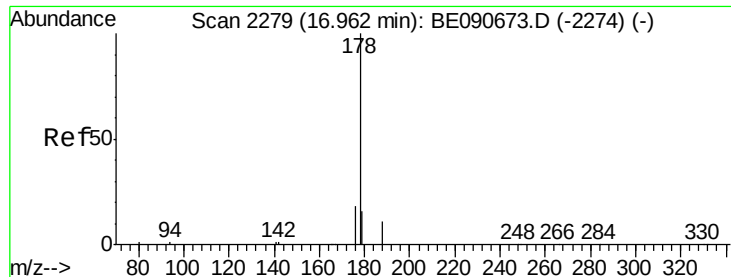
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->





#22

Phenanthrene

Concen: 0.04 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

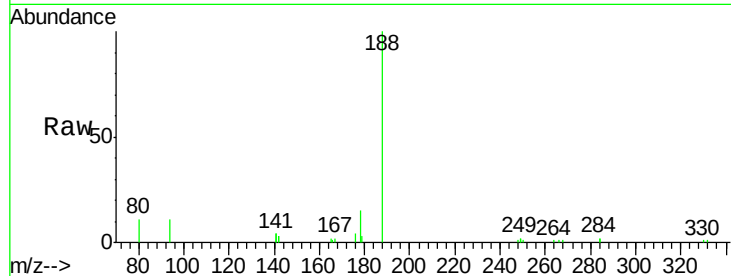
Tot Ion:178 Resp: 2145

Ion Ratio Lower Upper

178 100

176 29.6 15.6 23.4#

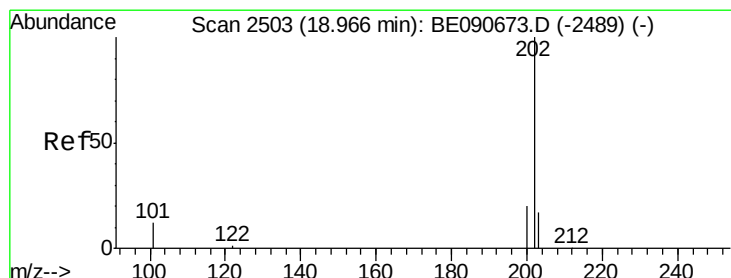
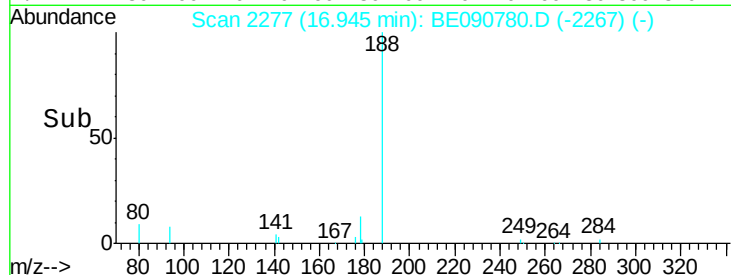
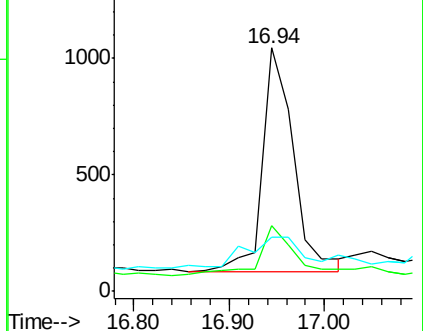
179 24.7 12.8 19.2#



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# 2501

Delta R.T. -0.00 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

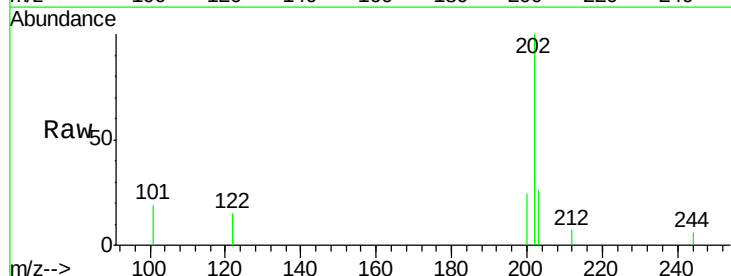
Tgt Ion:202 Resp: 1484

Ion Ratio Lower Upper

202 100

101 16.9 11.0 16.6#

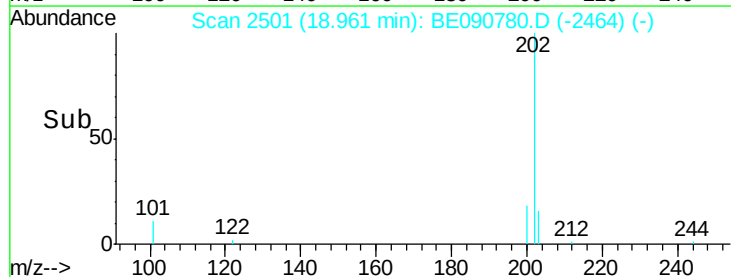
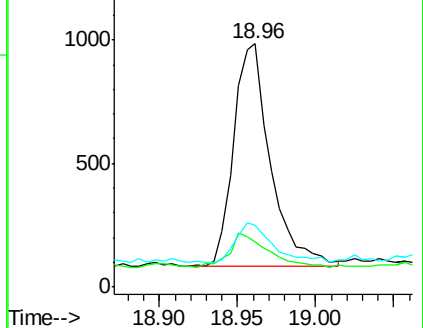
203 17.9 13.9 20.9

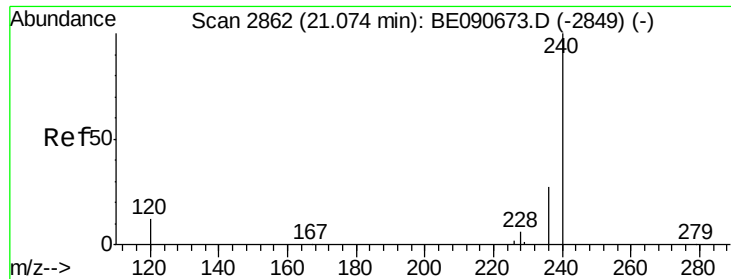


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.00 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

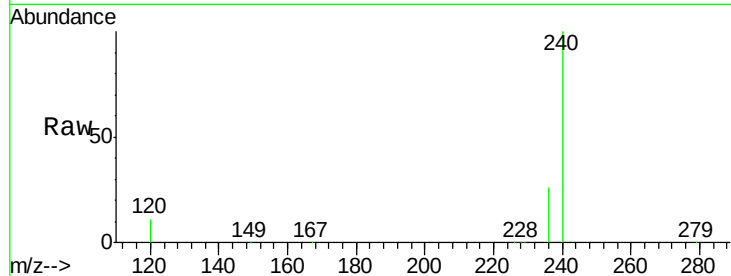
Tot Ion:240 Resp: 294346

Ion Ratio Lower Upper

240 100

120 10.7 10.1 15.1

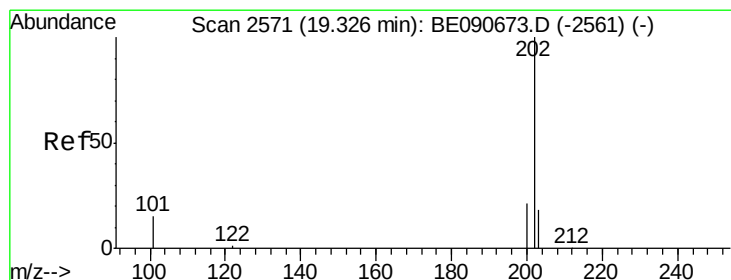
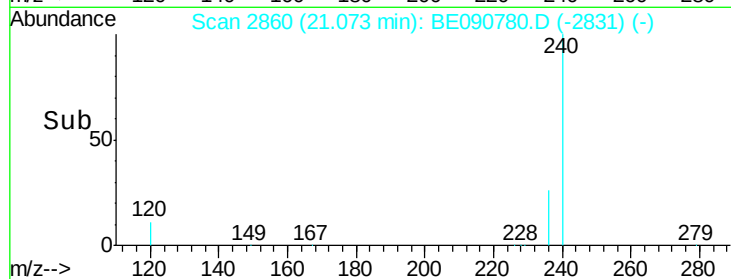
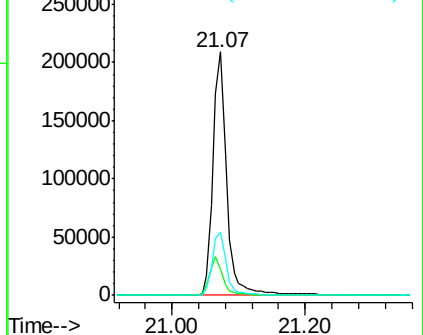
236 26.0 21.9 32.9



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

Pyrene

Concen: 0.02 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

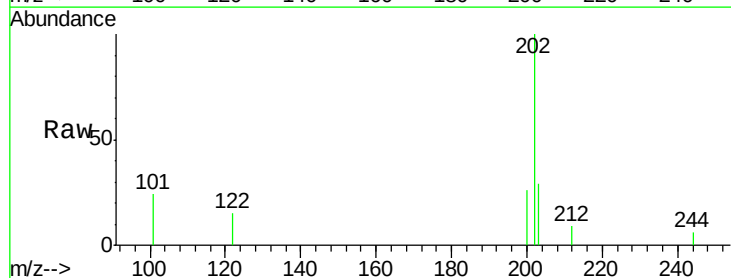
Tgt Ion:202 Resp: 1439

Ion Ratio Lower Upper

202 100

200 22.0 16.7 25.1

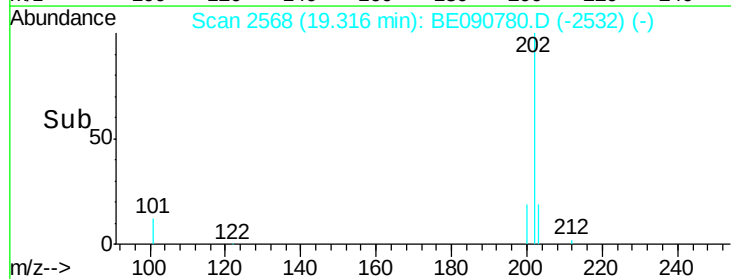
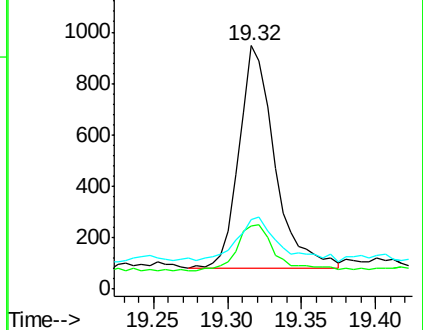
203 22.7 13.8 20.6#

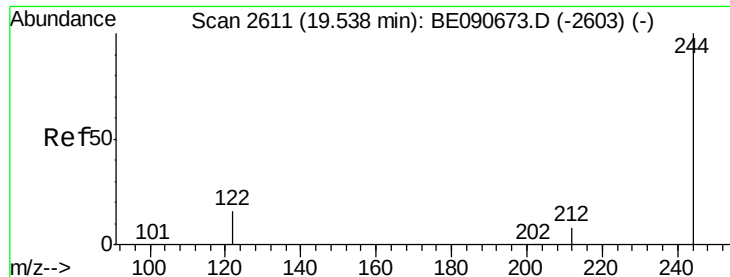


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

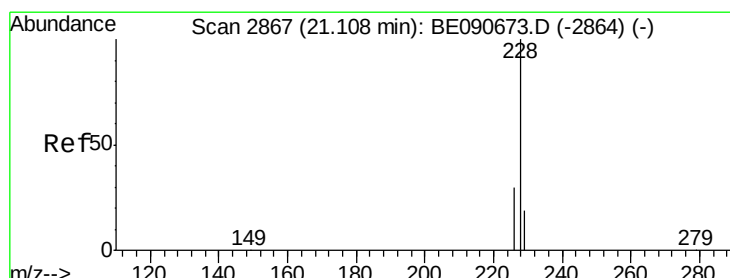
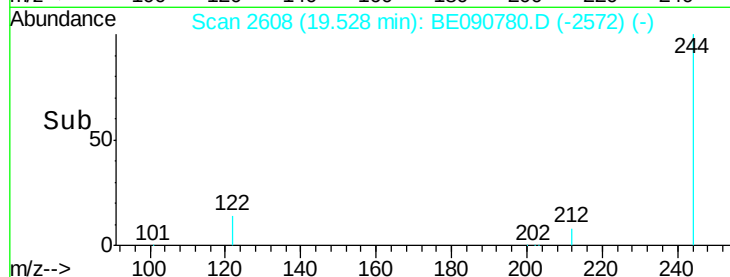
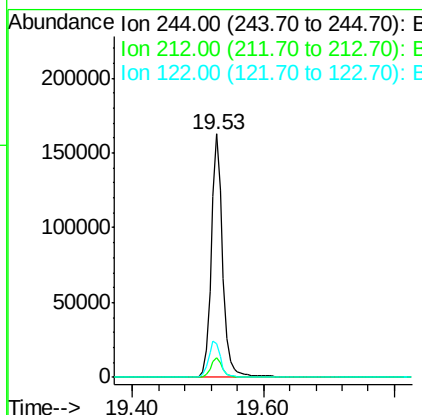
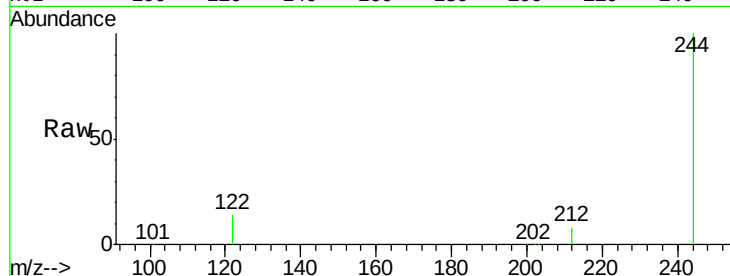




#27
 Terphenyl-d14
 Concen: 6.08 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090780.D
 Acq: 11 Sep 2015 2:34

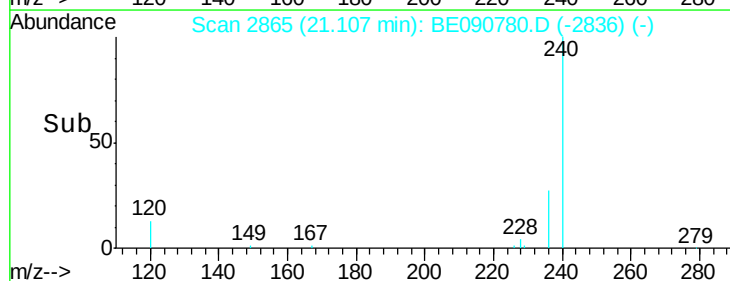
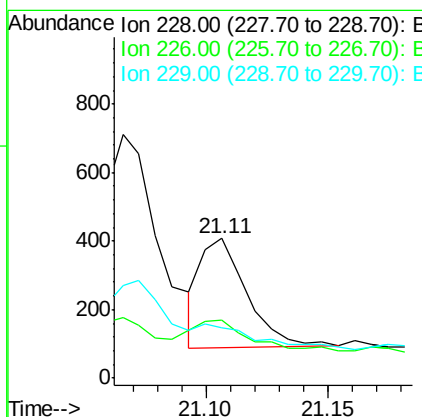
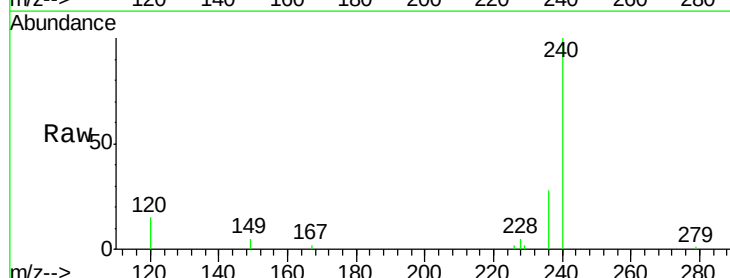
Instrument :
 BNA_E
 ClientSampleId :
 090415-D534-F-U-S

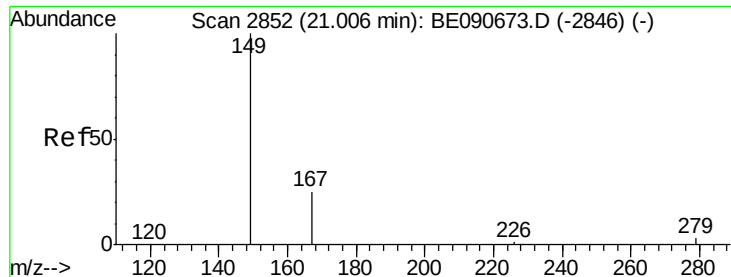
Tot Ion:244 Resp: 198023
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 13.9 12.9 19.3



#29
 Chrysene
 Concen: Below Cal
 RT: 21.11 min Scan# 2865
 Delta R.T. -0.00 min
 Lab File: BE090780.D
 Acq: 11 Sep 2015 2:34

Tgt Ion:228 Resp: 418
 Ion Ratio Lower Upper
 228 100
 226 41.9 24.2 36.4#
 229 36.0 15.3 22.9#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.33 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S

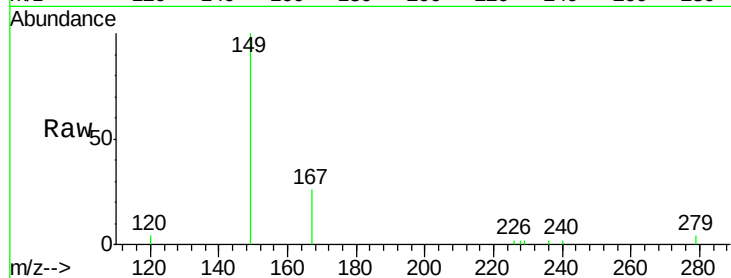
Tot Ion:149 Resp: 4622

Ion Ratio Lower Upper

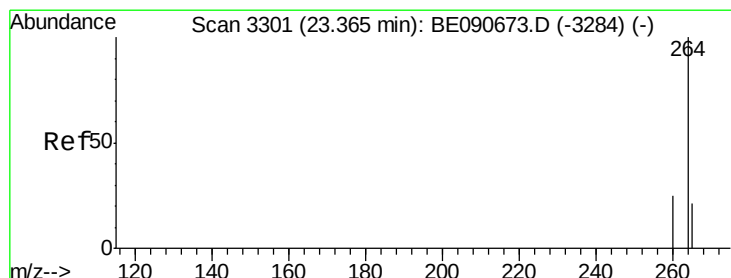
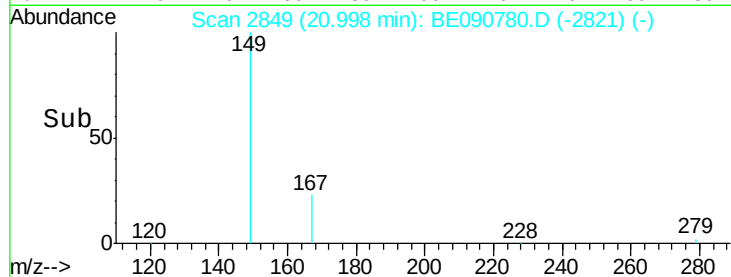
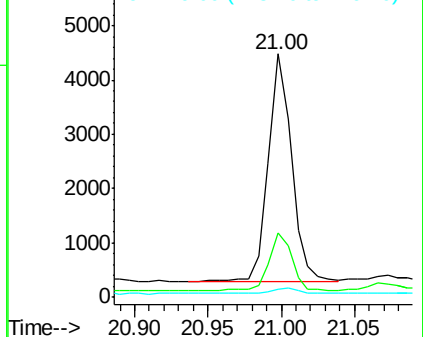
149 100

167 25.5 20.1 30.1

279 2.7 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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 3298

Delta R.T. -0.01 min

Lab File: BE090780.D

Acq: 11 Sep 2015 2:34

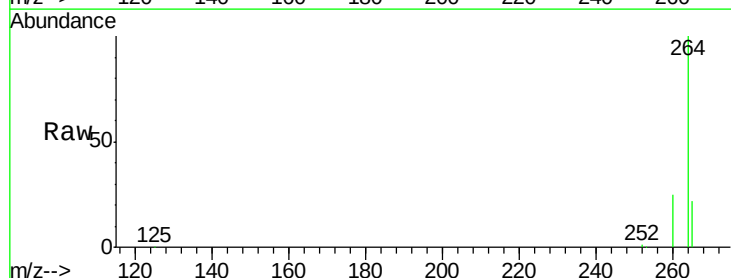
Tgt Ion:264 Resp: 267743

Ion Ratio Lower Upper

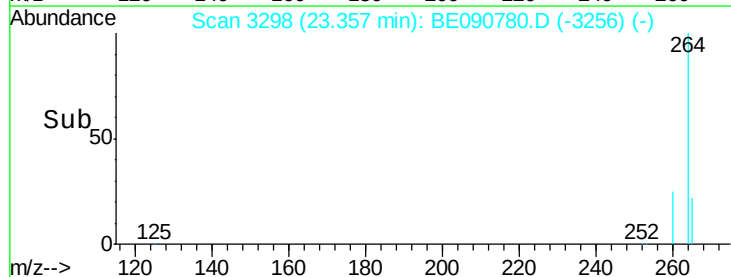
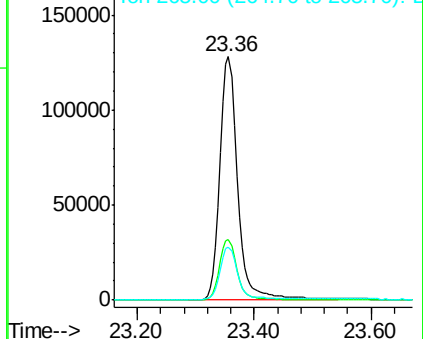
264 100

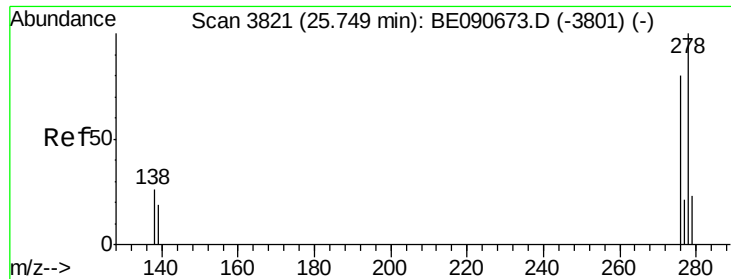
260 24.9 19.7 29.5

265 21.9 17.5 26.3



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





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.74 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BE090780.D

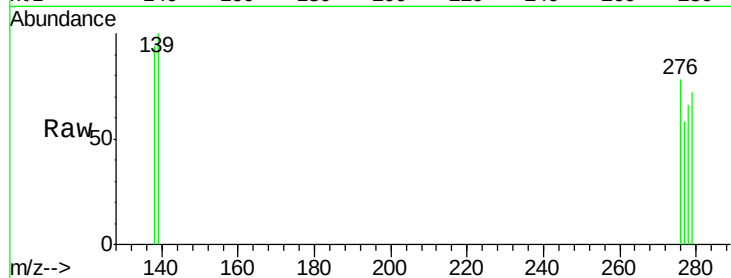
Acq: 11 Sep 2015 2:34

Instrument :

BNA_E

ClientSampleId :

090415-D534-F-U-S



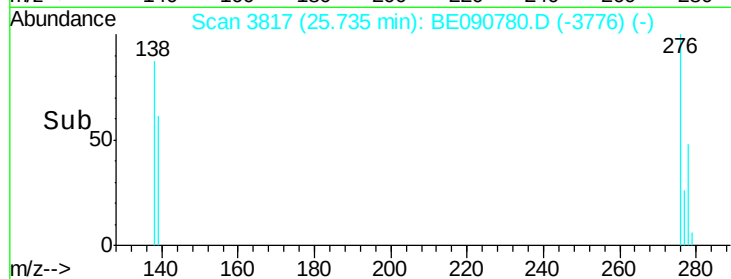
Tot Ion: 278 Resp: 30

Ion Ratio Lower Upper

278 100

139 151.9 15.4 23.0#

279 108.9 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

