

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\
 Data File : BE090761.D
 Acq On : 10 Sep 2015 15:05
 Operator : UM/IZ
 Sample : G3598-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 090515-D534-F-U-B

Quant Time: Sep 11 02:52:05 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	36840	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	162899	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	86645	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	215813	5.00	ng	0.00
25) Chrysene-d12	21.07	240	267142	5.00	ng	0.00
32) Perylene-d12	23.36	264	237471	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	25868	3.61	ng	0.00
5) Phenol-d6	6.76	99	23360	2.28	ng	0.00
7) Nitrobenzene-d5	8.71	82	42303	3.93	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	20703	8.14	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	102074	4.25	ng	0.00
27) Terphenyl-d14	19.53	244	204337	6.91	ng	-0.01

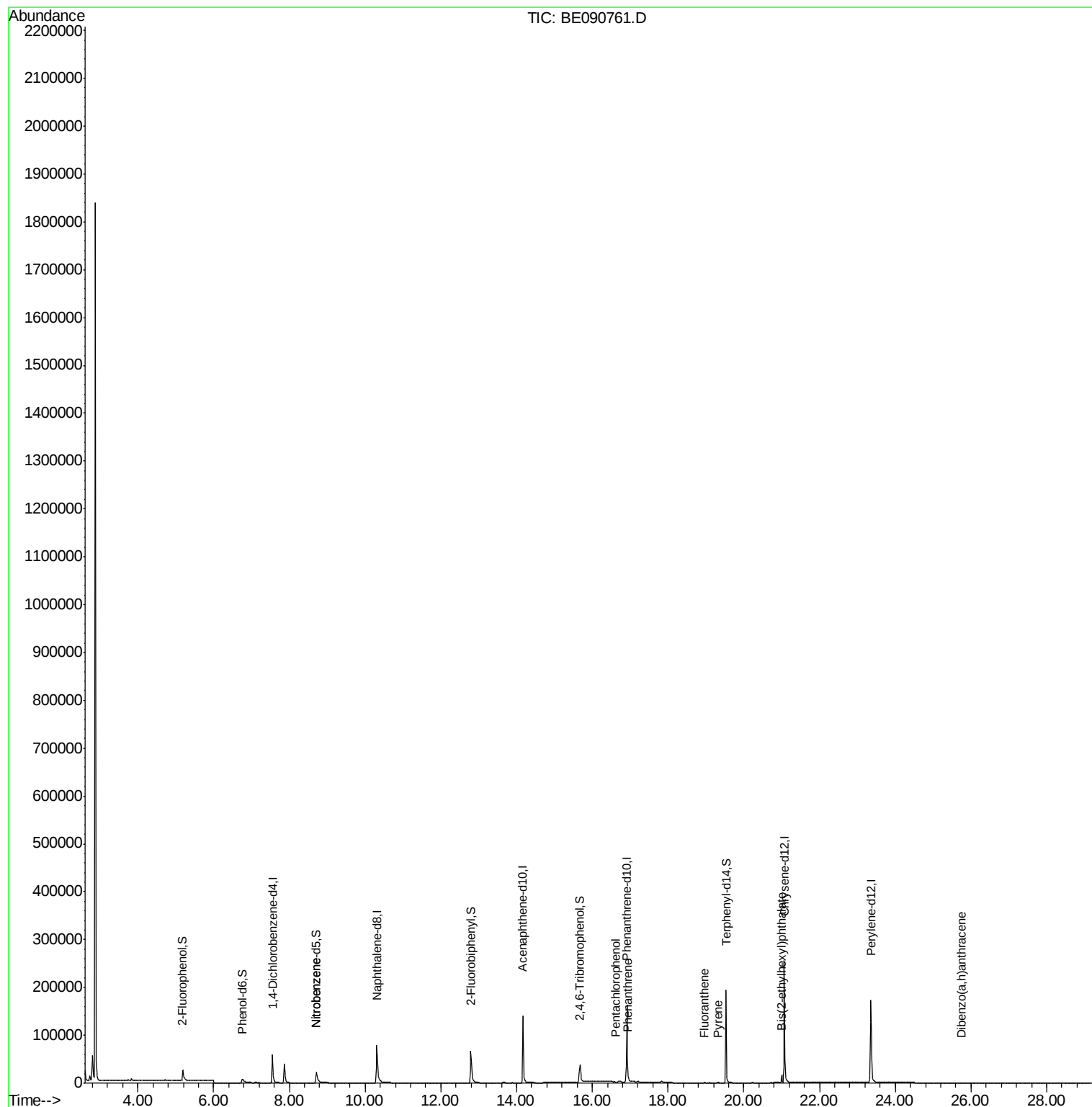
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	185	Below Cal	#	25
3) n-Nitrosodimethylamine	3.41	42	11	Below Cal	#	77
8) Nitrobenzene	8.72	77	140	0.12	ng	39
20) Hexachlorobenzene	16.23	284	90	Below Cal	#	11
21) Pentachlorophenol	16.61	266	124	0.50	ng	62
22) Phenanthrene	16.94	178	1182	0.02	ng	82
24) Fluoranthene	18.96	202	1279	0.02	ng	94
26) Pyrene	19.32	202	1459	0.03	ng	90
29) Chrysene	21.11	228	1041	Below Cal	#	81
30) Bis(2-ethylhexyl)phthalate	21.00	149	13609	0.91	ng	99
36) Dibenzo(a,h)anthracene	25.75	278	418	0.15	ng	1

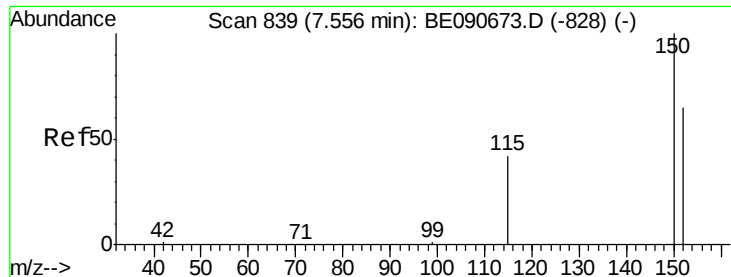
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

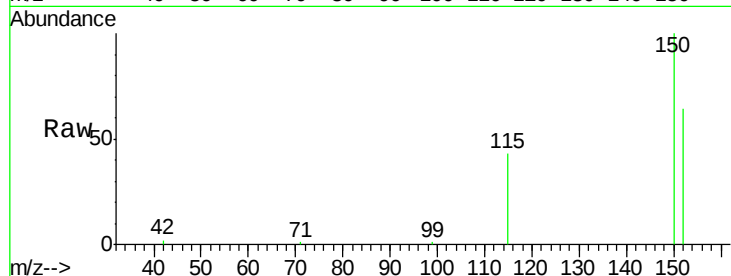
Tot Ion:152 Resp: 36840

Ion Ratio Lower Upper

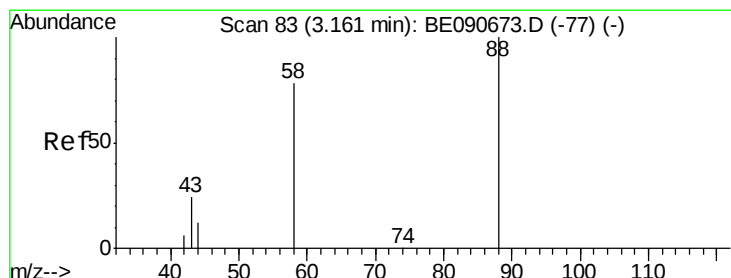
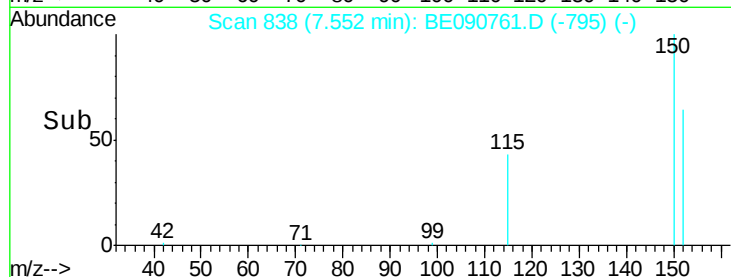
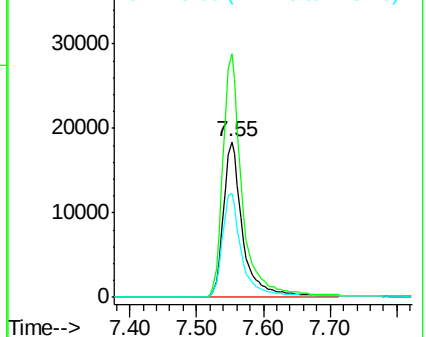
152 100

150 156.3 122.2 183.4

115 66.7 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: 3.16 min Scan# 83

Delta R.T. 0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

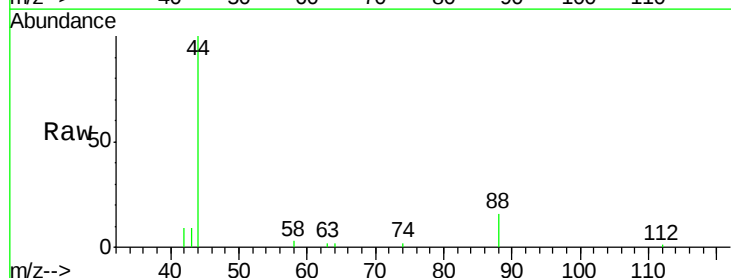
Tgt Ion: 88 Resp: 185

Ion Ratio Lower Upper

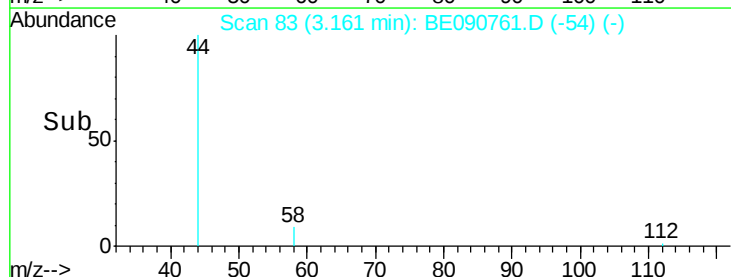
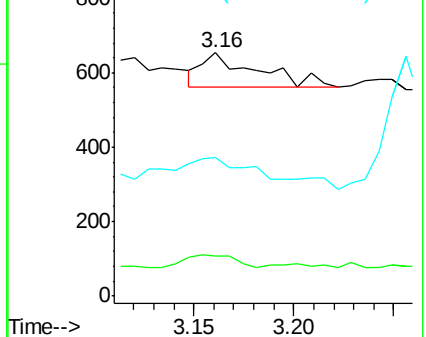
88 100

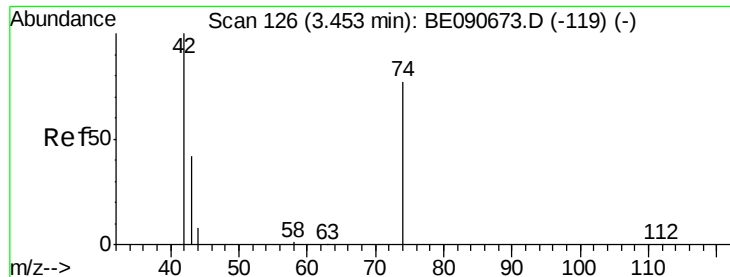
58 34.1 68.4 102.6#

43 102.7 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



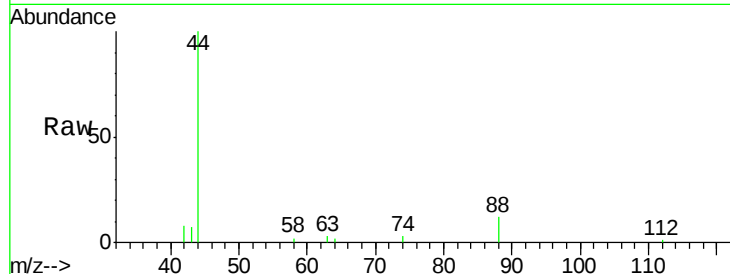


#3

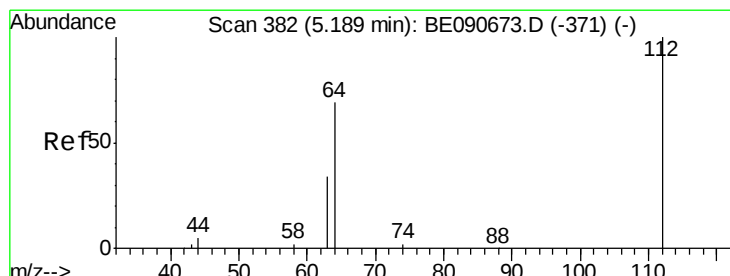
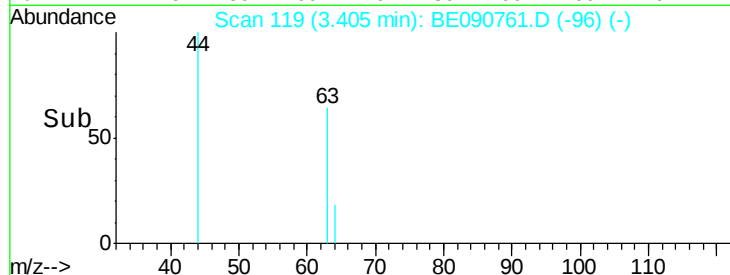
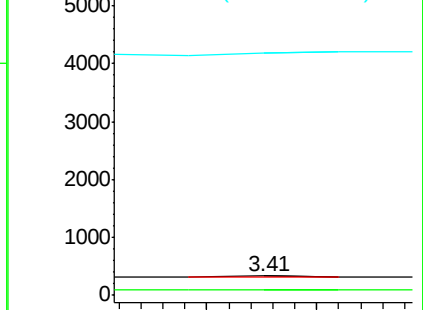
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.41 min Scan# 119
 Delta R.T. -0.05 min
 Lab File: BE090761.D
 Acq: 10 Sep 2015 15:05

Instrument :
 BNA_E
 ClientSampleId :
 090515-D534-F-U-B

Tot Ion: 42 Resp: 11
 Ion Ratio Lower Upper
 42 100
 74 81.8 83.7 125.5#
 44 0.0 10.0 15.0#



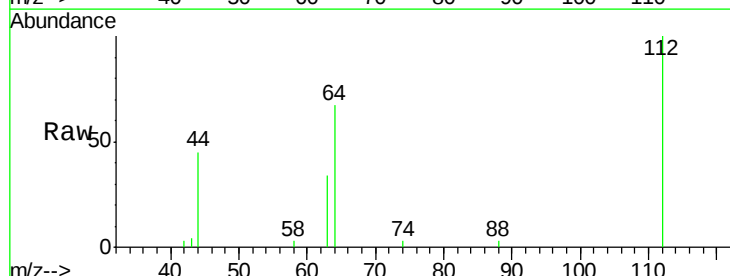
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



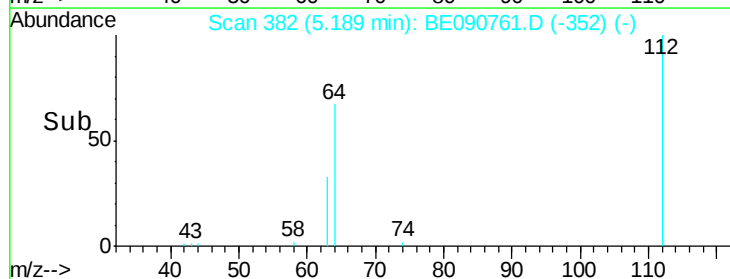
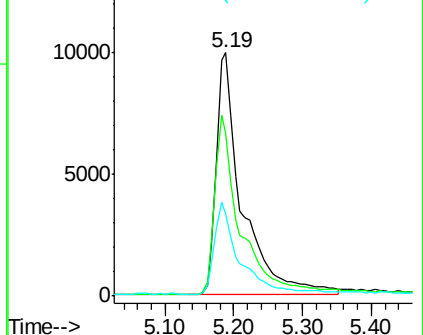
#4

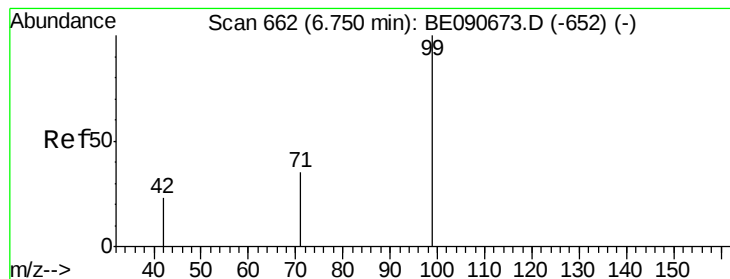
2-Fluorophenol
 Concen: 3.61 ng
 RT: 5.19 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: BE090761.D
 Acq: 10 Sep 2015 15:05

Tgt Ion: 112 Resp: 25868
 Ion Ratio Lower Upper
 112 100
 64 73.0 57.3 85.9
 63 37.3 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: 2.28 ng

RT: 6.76 min Scan# 663

Delta R.T. 0.01 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

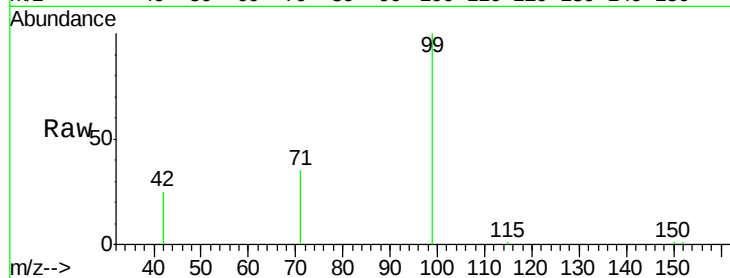
Tot Ion: 99 Resp: 23360

Ion Ratio Lower Upper

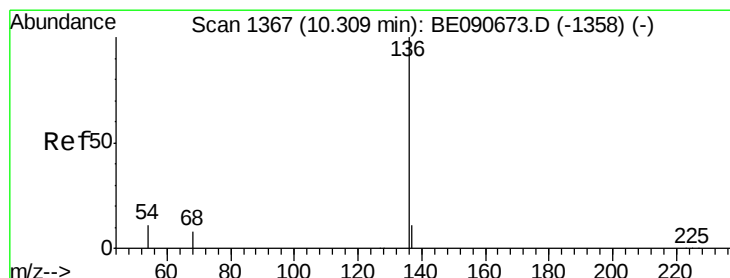
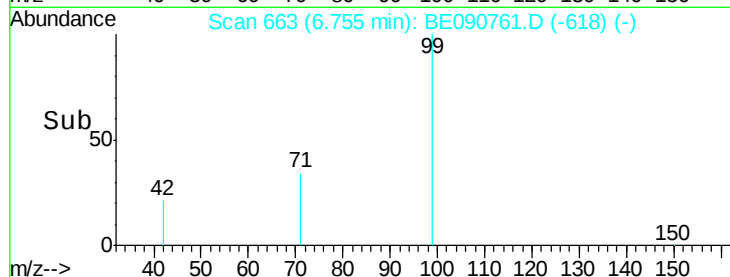
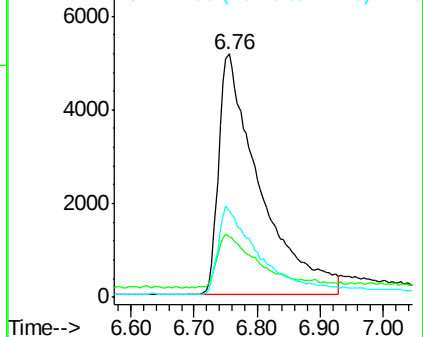
99 100

42 21.3 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: BE090761.D

Acq: 10 Sep 2015 15:05

Tgt Ion: 136 Resp: 162899

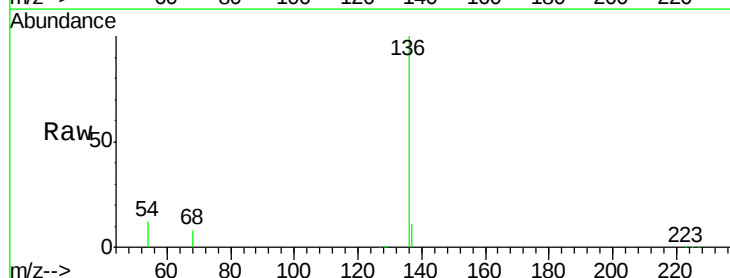
Ion Ratio Lower Upper

136 100

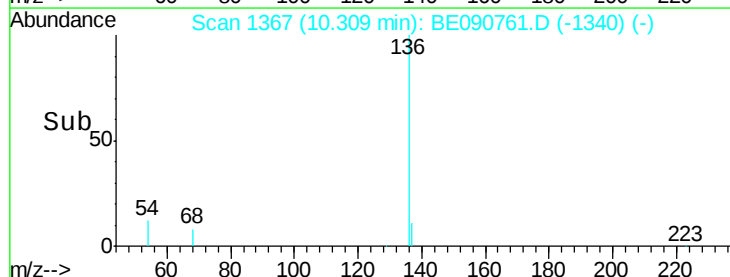
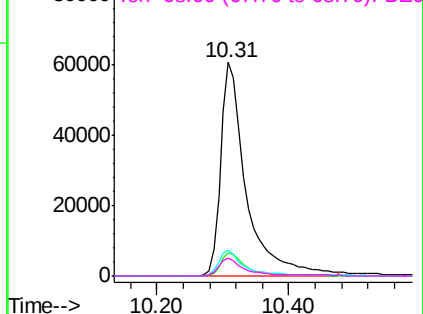
137 11.0 8.7 13.1

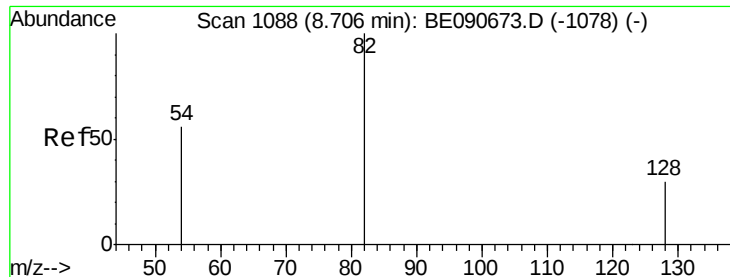
54 11.9 9.0 13.6

68 8.5 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: 3.93 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

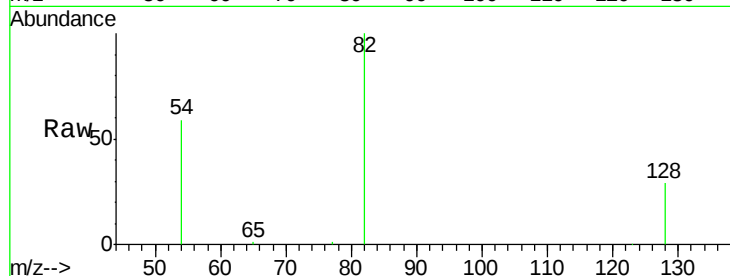
Tot Ion: 82 Resp: 42303

Ion Ratio Lower Upper

82 100

128 29.2 25.0 37.4

54 58.8 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

8.71

15000

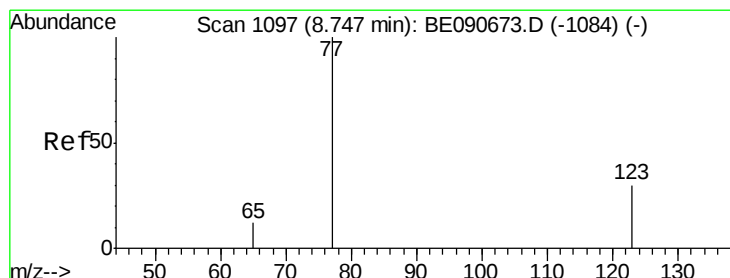
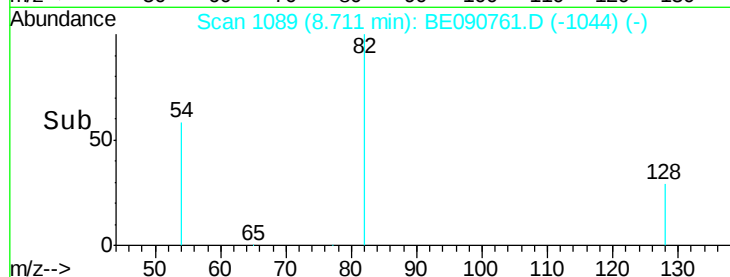
10000

5000

0

Time-->

8.60 8.70 8.80 8.90



#8

Nitrobenzene

Concen: 0.12 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.02 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

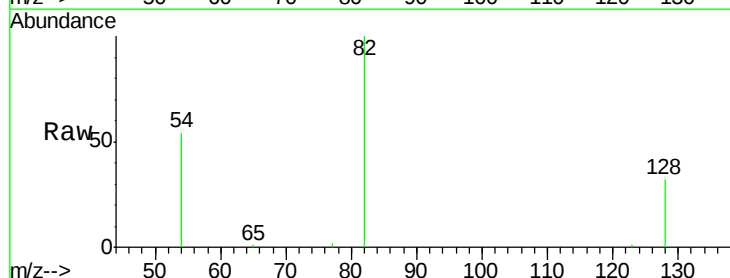
Tgt Ion: 77 Resp: 140

Ion Ratio Lower Upper

77 100

123 6.4 25.1 37.7#

65 51.4 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

8.72

250

200

150

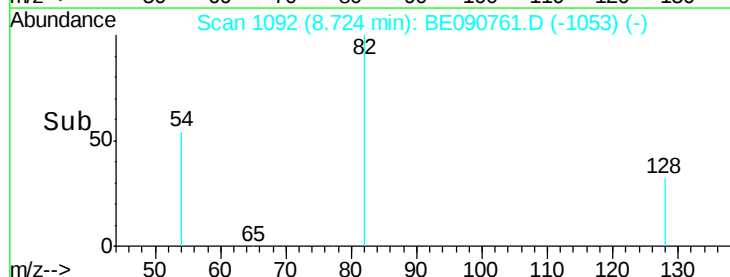
100

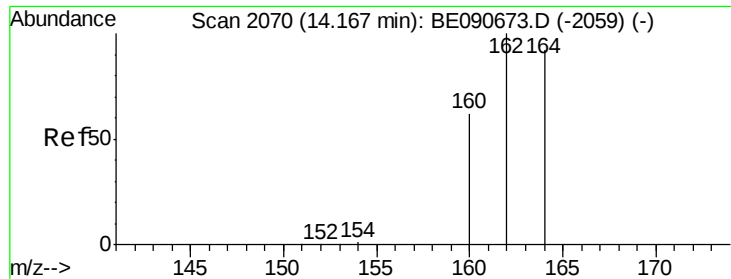
50

0

Time-->

8.70 8.75





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

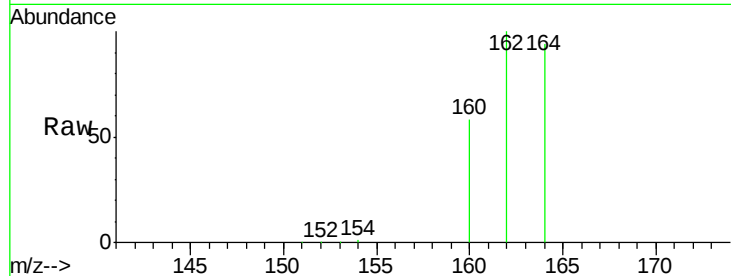
Tot Ion:164 Resp: 86645

Ion Ratio Lower Upper

164 100

162 106.9 86.8 130.2

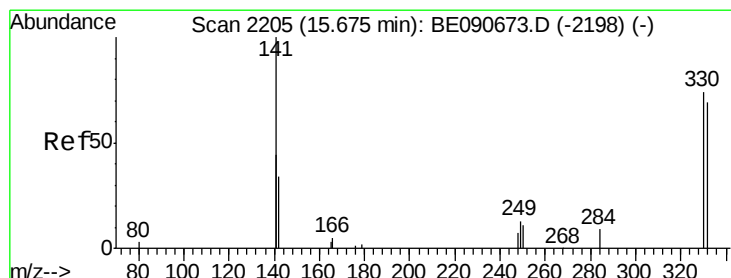
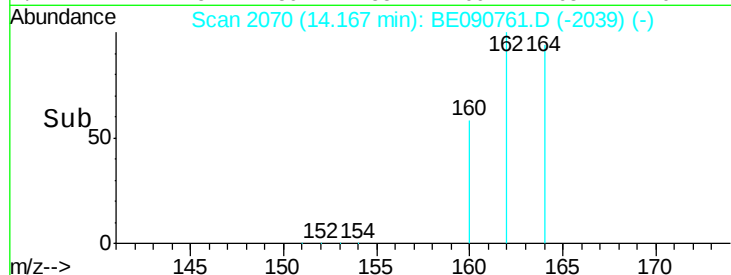
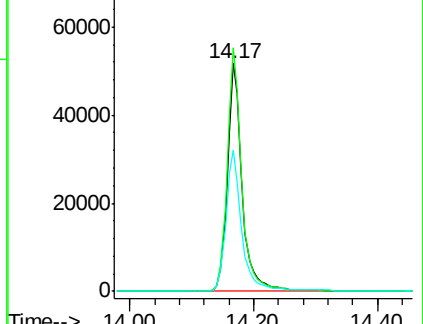
160 61.9 53.9 80.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 8.14 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

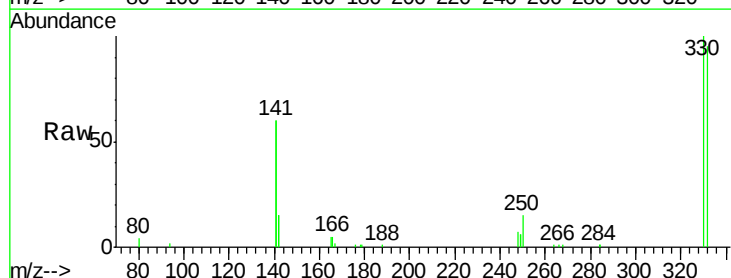
Tgt Ion:330 Resp: 20703

Ion Ratio Lower Upper

330 100

332 97.4 74.9 112.3

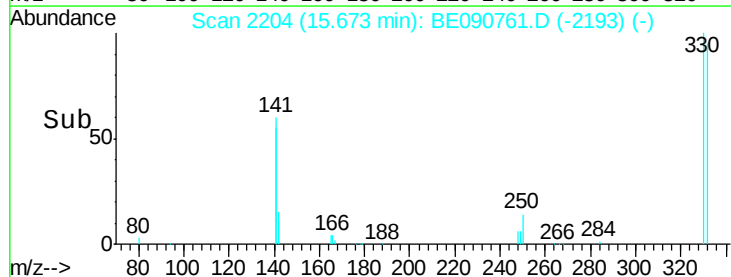
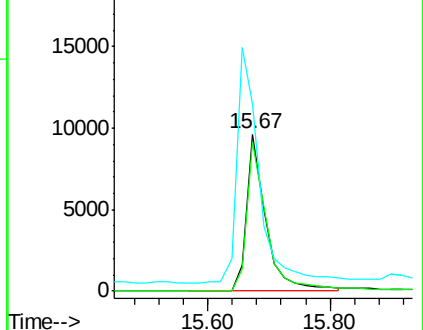
141 179.3 145.2 217.8

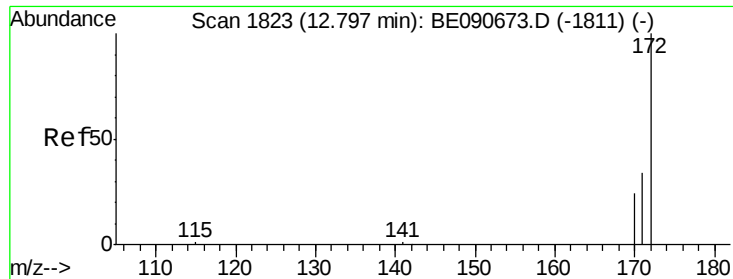


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

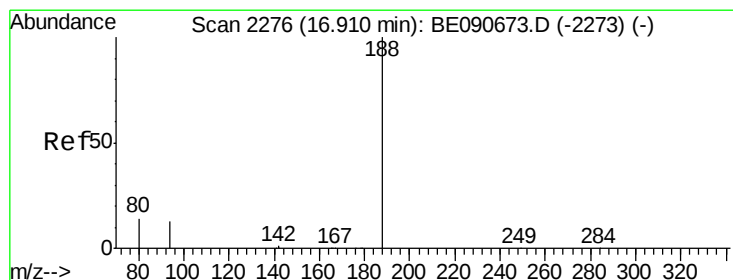
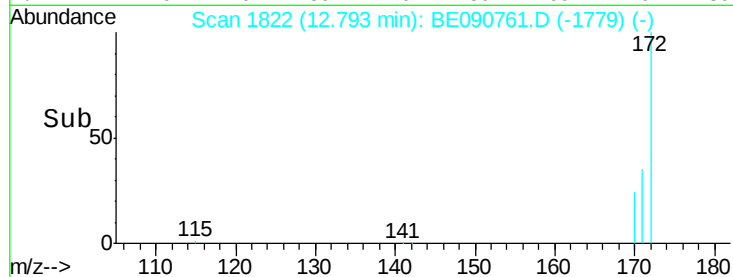
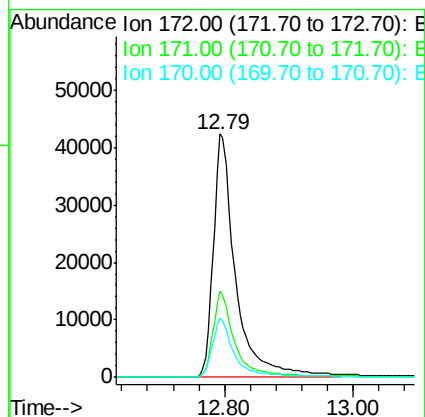
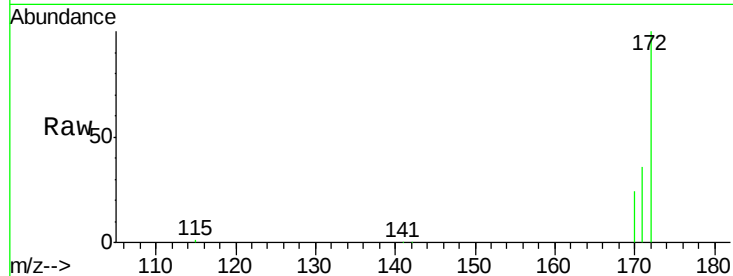




#14
2-Fluorobiphenyl
Concen: 4.25 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090761.D
Acq: 10 Sep 2015 15:05

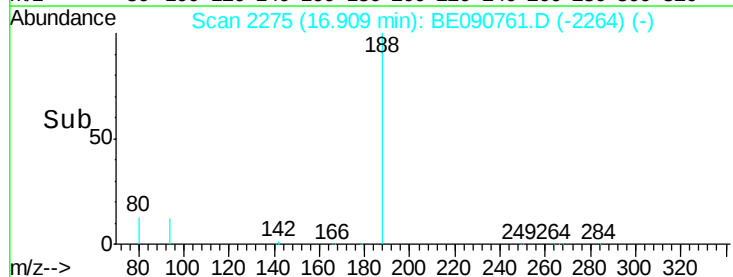
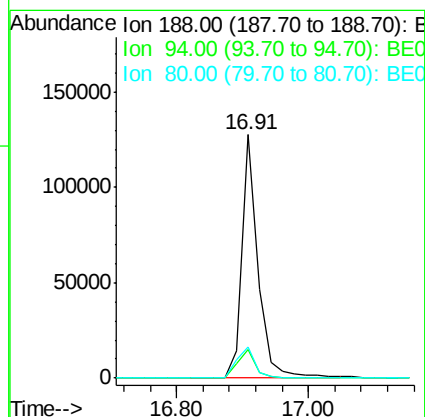
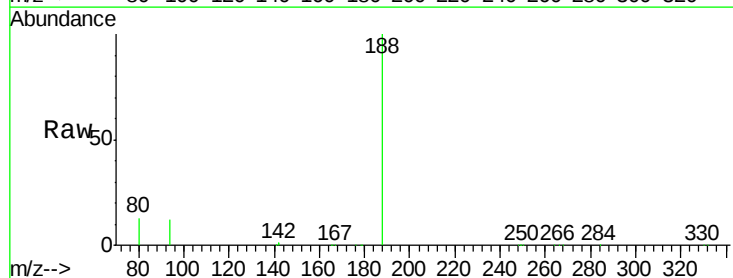
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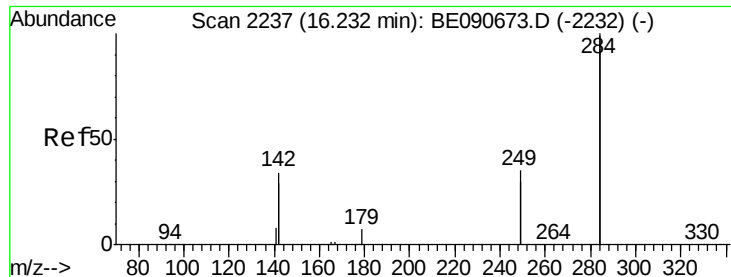
Tot Ion:172 Resp: 102074
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 24.2 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090761.D
Acq: 10 Sep 2015 15:05

Tgt Ion:188 Resp: 215813
Ion Ratio Lower Upper
188 100
94 11.7 10.3 15.5
80 12.7 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

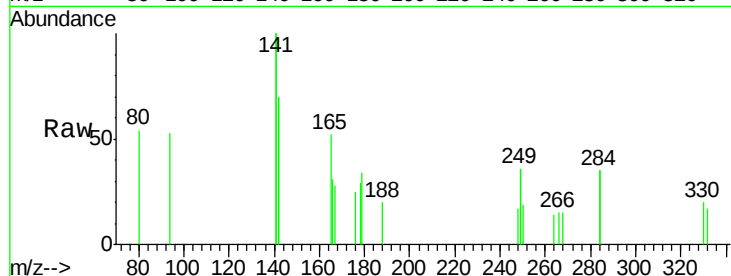
Tot Ion:284 Resp: 90

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

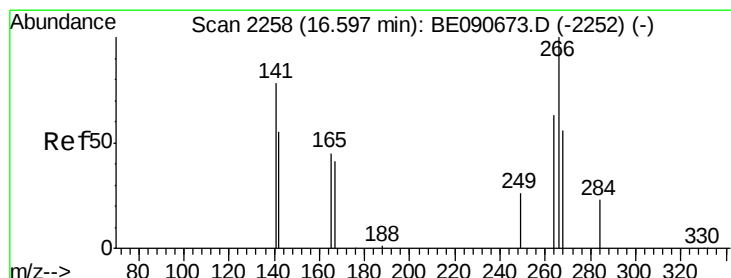
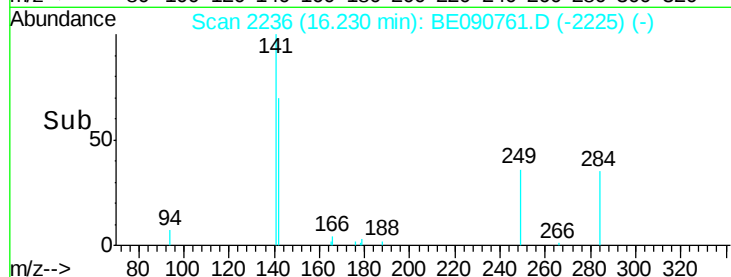
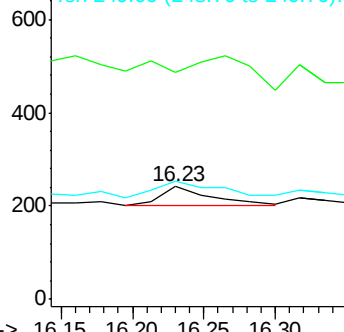
249 97.8 25.5 38.3#



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



#21

Pentachlorophenol

Concen: 0.50 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

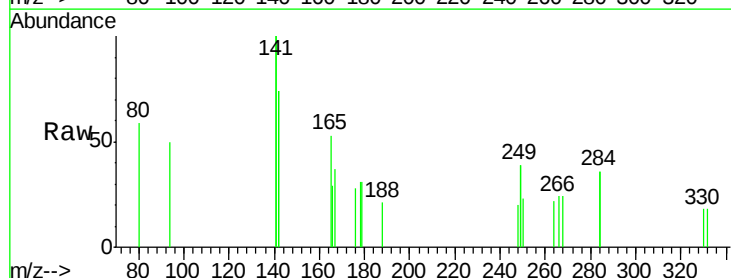
Tgt Ion:266 Resp: 124

Ion Ratio Lower Upper

266 100

268 98.6 49.6 74.4#

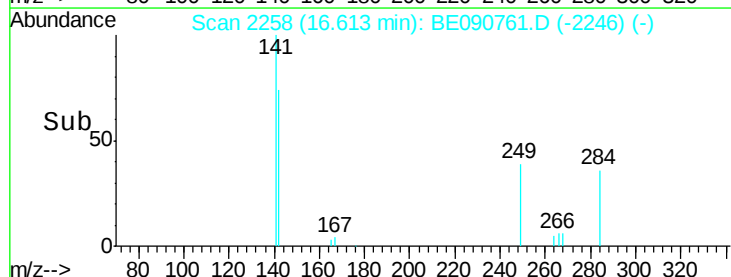
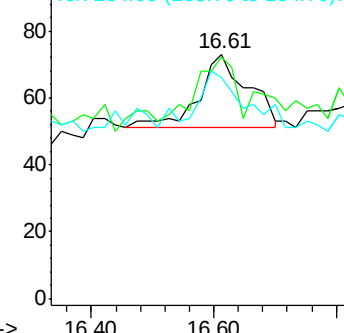
264 90.4 53.9 80.9#

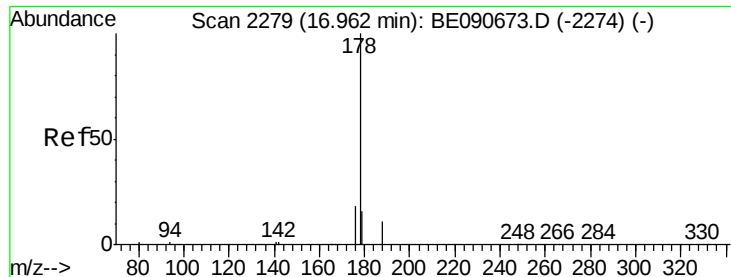


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.02 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

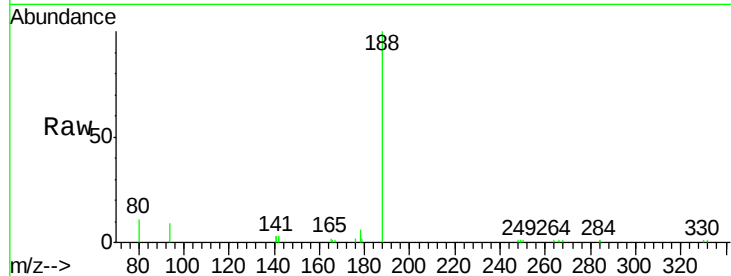
Tot Ion:178 Resp: 1182

Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

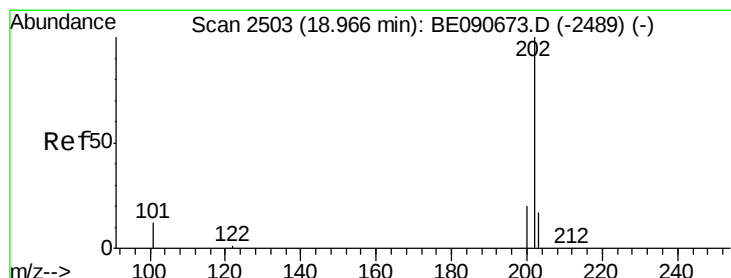
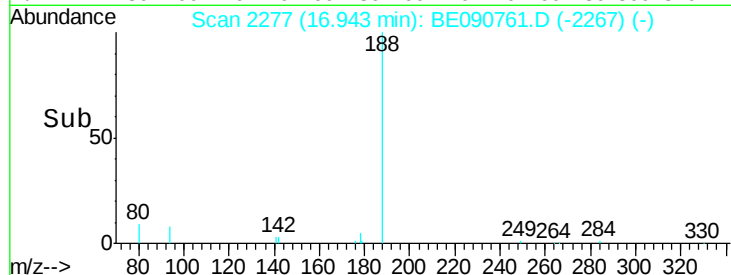
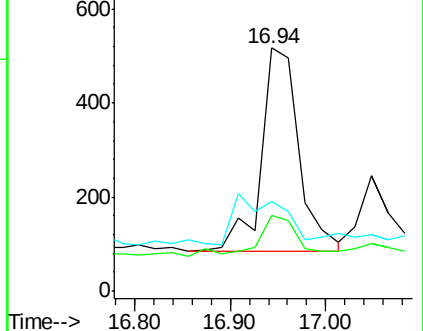
179 0.0 12.8 19.2#



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. -0.01 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

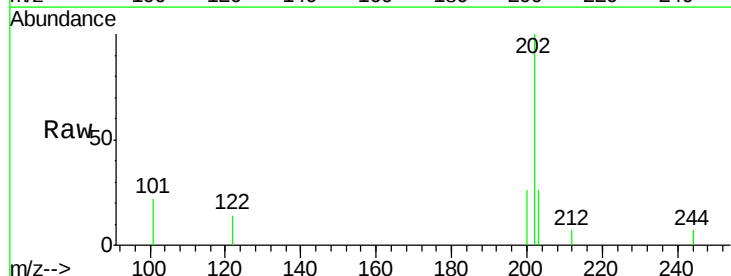
Tgt Ion:202 Resp: 1279

Ion Ratio Lower Upper

202 100

101 18.6 11.0 16.6#

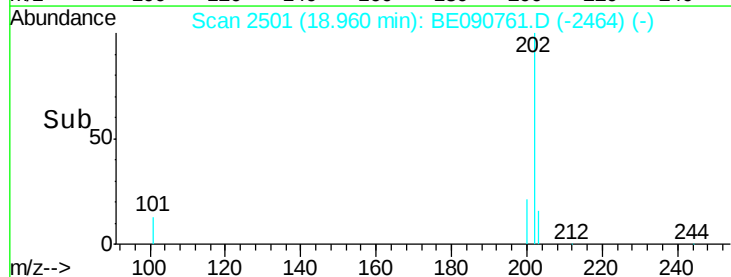
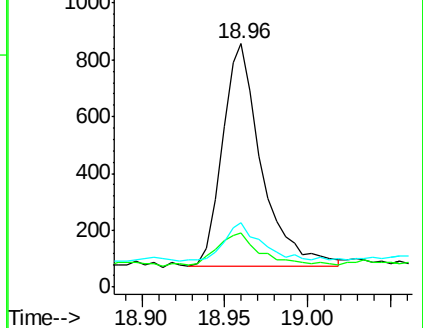
203 16.7 13.9 20.9

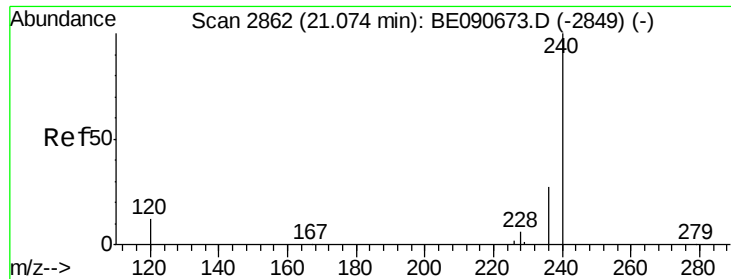


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2861

Delta R.T. -0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

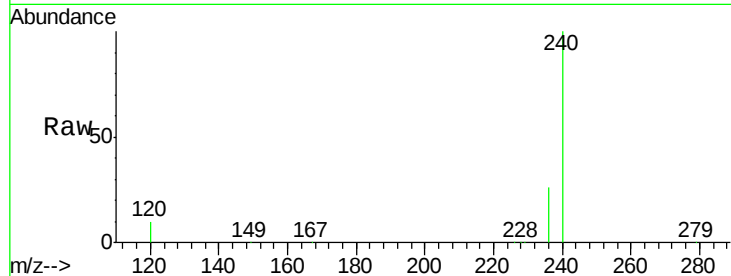
Tot Ion:240 Resp: 267142

Ion Ratio Lower Upper

240 100

120 9.9 10.1 15.1#

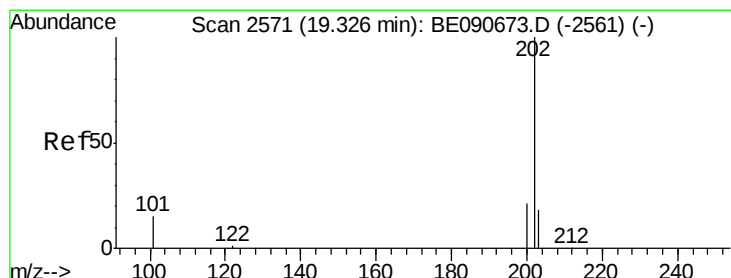
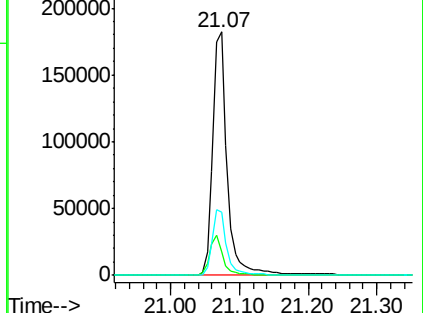
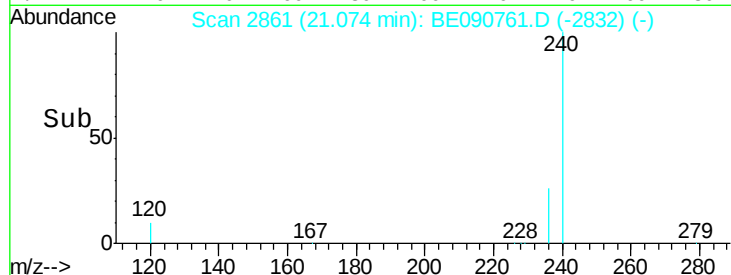
236 26.0 21.9 32.9



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: 0.03 ng

RT: 19.32 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

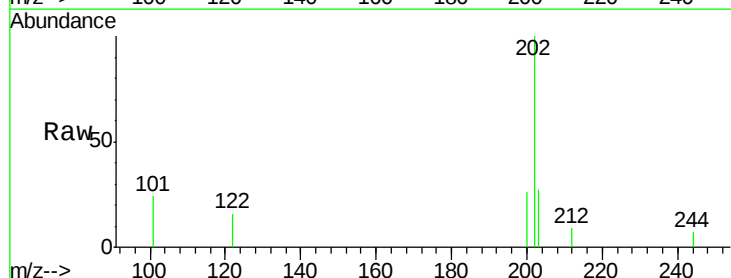
Tgt Ion:202 Resp: 1459

Ion Ratio Lower Upper

202 100

200 18.9 16.7 25.1

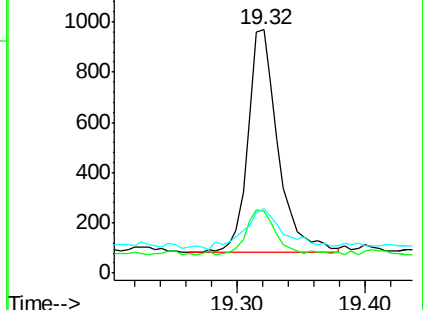
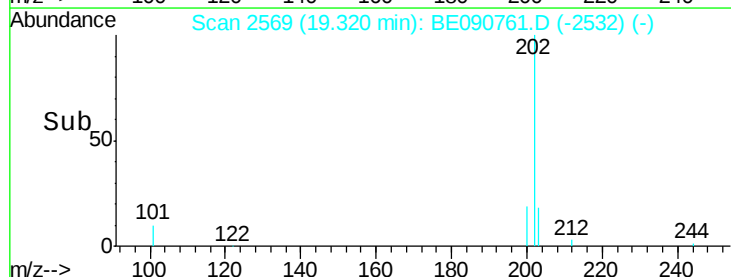
203 24.8 13.8 20.6#

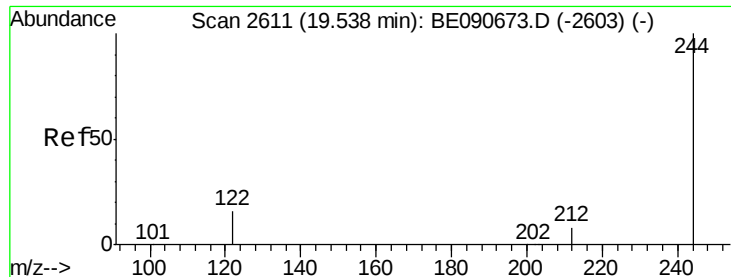


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 6.91 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B

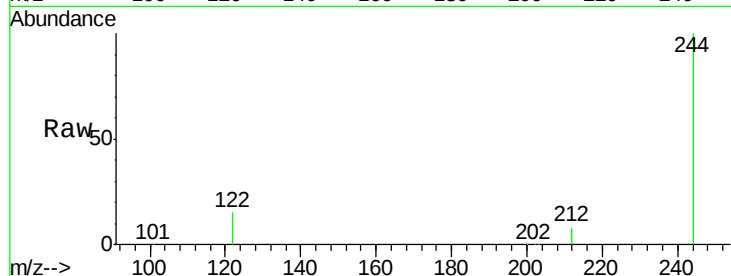
Tot Ion:244 Resp: 204337

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

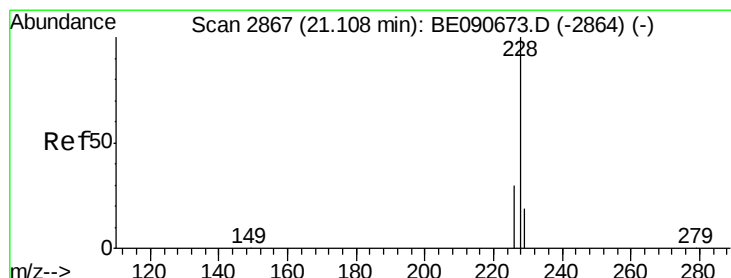
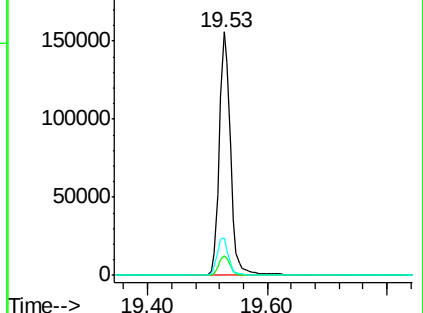
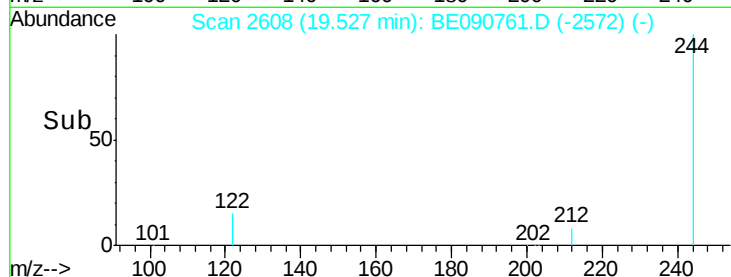
122 15.3 12.9 19.3



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: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090761.D

Acq: 10 Sep 2015 15:05

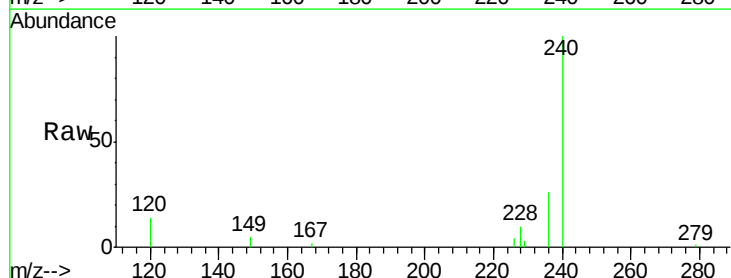
Tgt Ion:228 Resp: 1041

Ion Ratio Lower Upper

228 100

226 36.8 24.2 36.4#

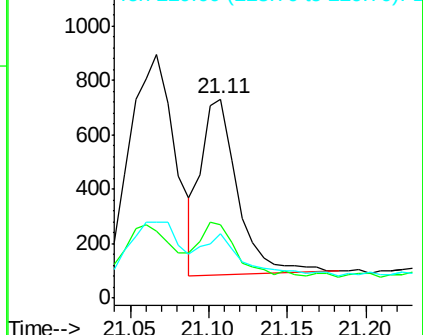
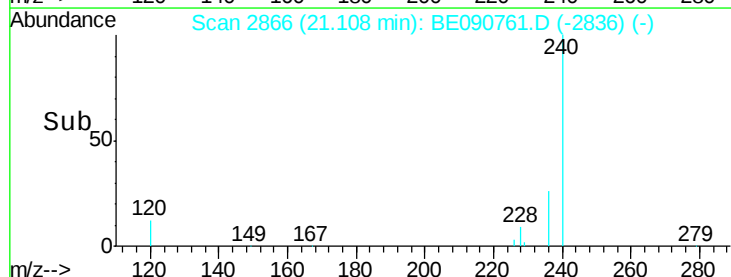
229 32.3 15.3 22.9#

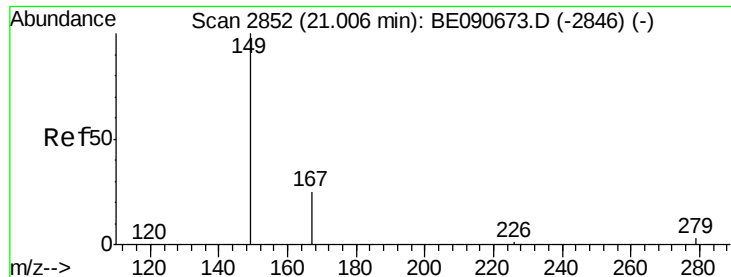


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

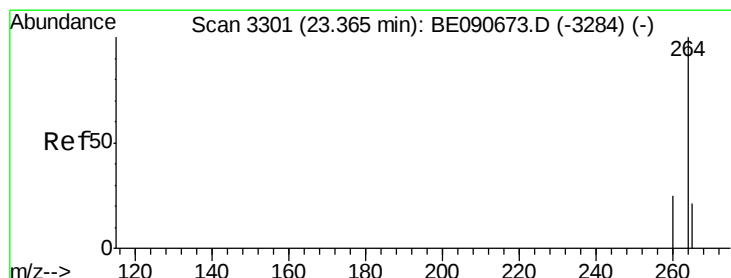
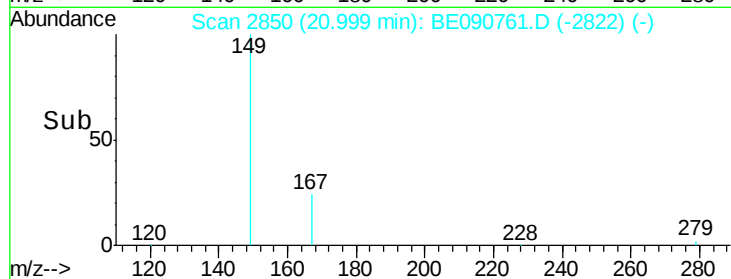
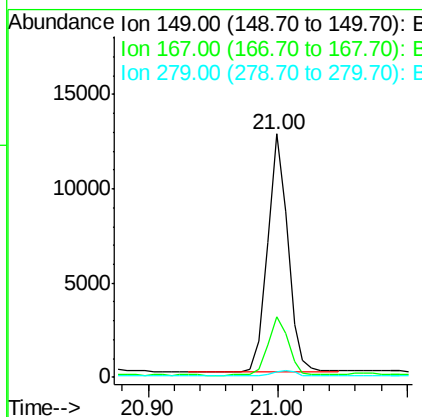
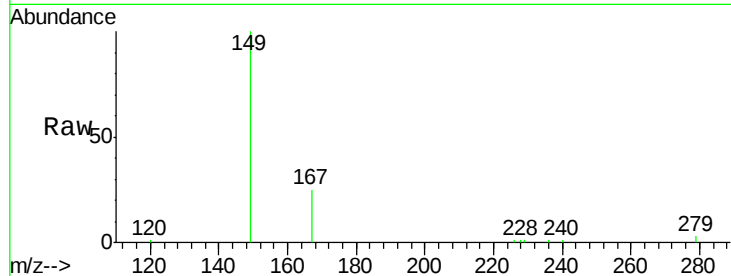




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.91 ng
 RT: 21.00 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BE090761.D
 Acq: 10 Sep 2015 15:05

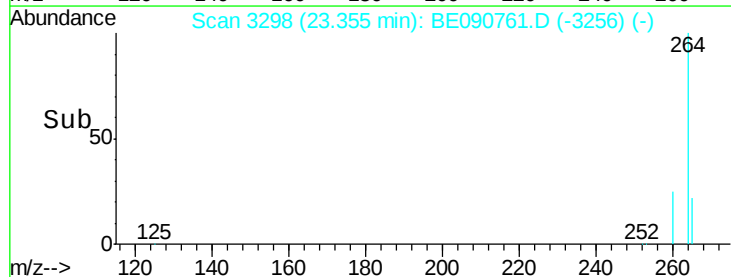
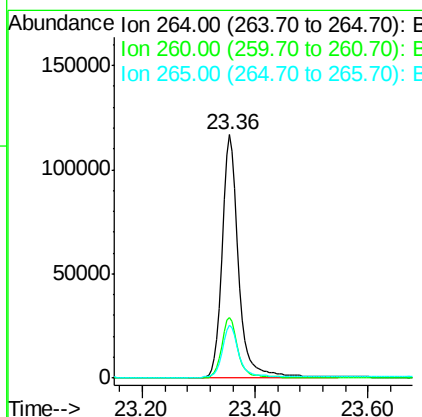
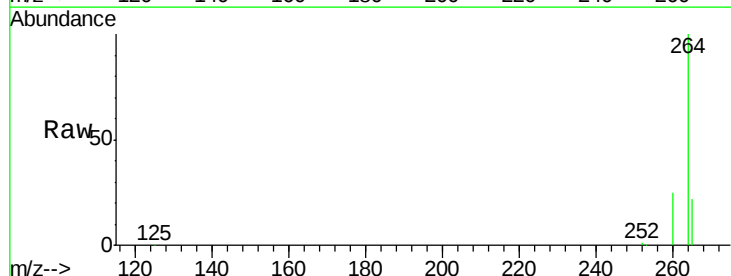
Instrument :
 BNA_E
 ClientSampleId :
 090515-D534-F-U-B

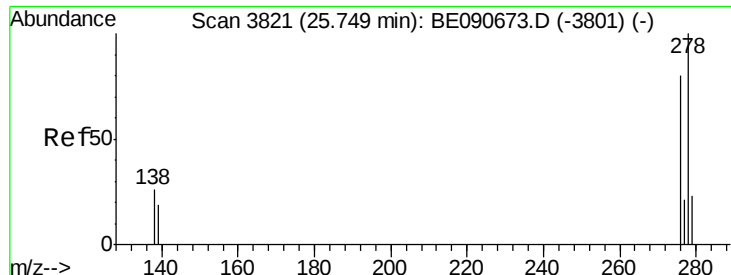
Tot Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.1	30.1
279	3.0	2.3	3.5



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090761.D
 Acq: 10 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	21.9	17.5	26.3





#36

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 25.75 min Scan# 3821

Delta R.T. 0.01 min

Lab File: BE090761.D

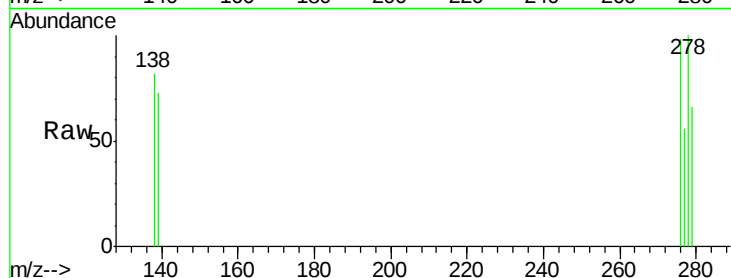
Acq: 10 Sep 2015 15:05

Instrument :

BNA_E

ClientSampleId :

090515-D534-F-U-B



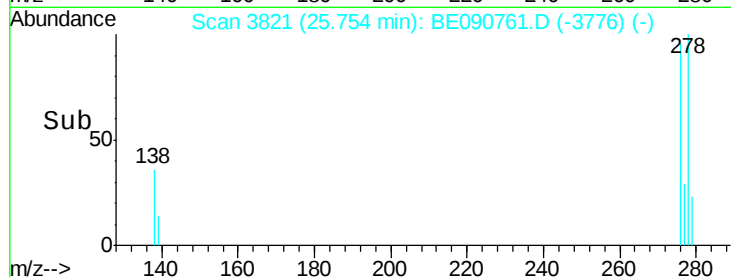
Tot Ion: 278 Resp: 418

Ion Ratio Lower Upper

278 100

139 72.5 15.4 23.0#

279 66.2 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

25.75

150

100

50

0

25.70 25.80

Time-->