

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090451.D
 Acq On : 12 Aug 2015 5:11
 Operator : UM/IZ
 Sample : G3136-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080715-D534-F-D-S

Quant Time: Aug 12 06:48:24 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	19338	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	89337	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	51546	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	122438	5.00	ng	0.00
25) Chrysene-d12	21.09	240	140283	5.00	ng	0.00
32) Perylene-d12	23.40	264	124147	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	13727	4.73	ng	0.00
5) Phenol-d6	6.77	99	13551	2.33	ng	0.00
7) Nitrobenzene-d5	8.73	82	23630	3.32	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	15228	9.07	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	59175	4.17	ng	0.00
27) Terphenyl-d14	19.56	244	118921	5.75	ng	0.00

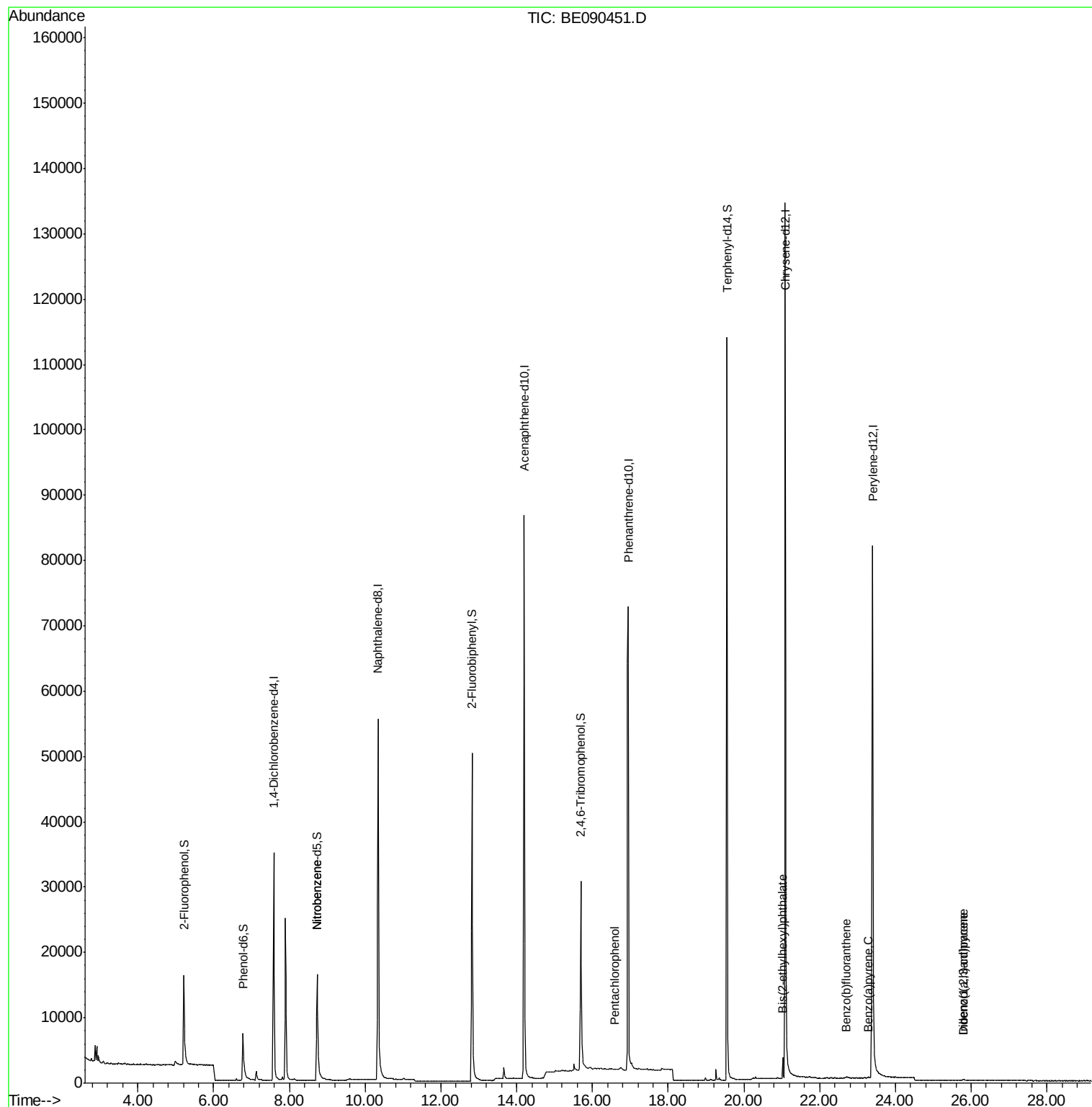
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	61	Below Cal	#	1
8) Nitrobenzene	8.73	77	48	0.21 ng	#	43
10) Hexachlorobutadiene	10.67	225	6	Below Cal	#	51
21) Pentachlorophenol	16.60	266	19	0.11 ng	#	68
30) Bis(2-ethylhexyl)phthalate	21.03	149	2825	0.48 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	372	0.26 ng	#	87
33) Benzo(b)fluoranthene	22.70	252	268	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	223	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	283	0.29 ng	#	3

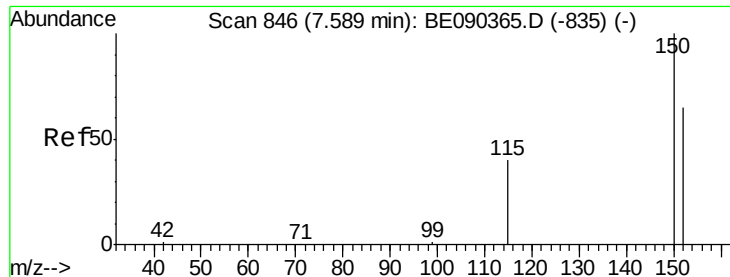
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

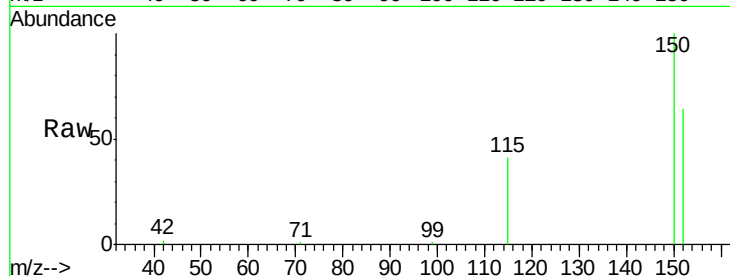
Tgt Ion: 152 Resp: 19338

Ion Ratio Lower Upper

152 100

150 155.7 123.0 184.4

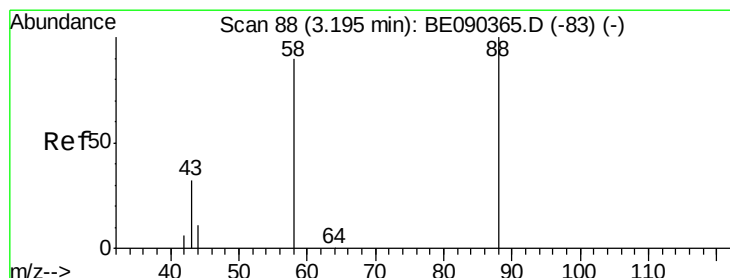
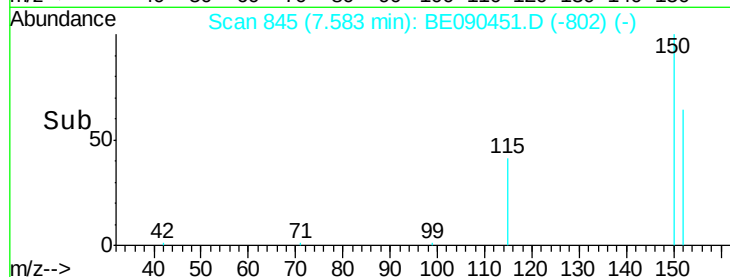
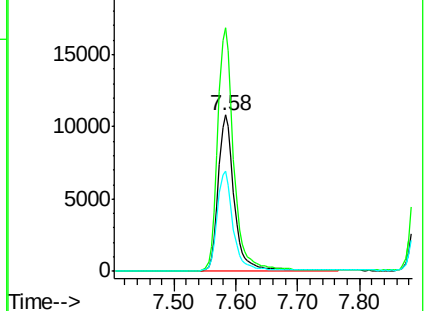
115 63.8 48.9 73.3



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: 3.30 min Scan# 103

Delta R.T. 0.10 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

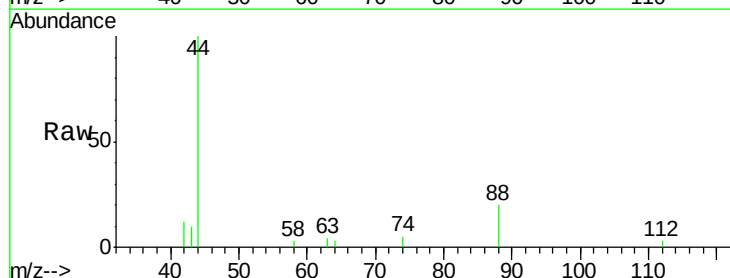
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

58 8.2 70.0 105.0#

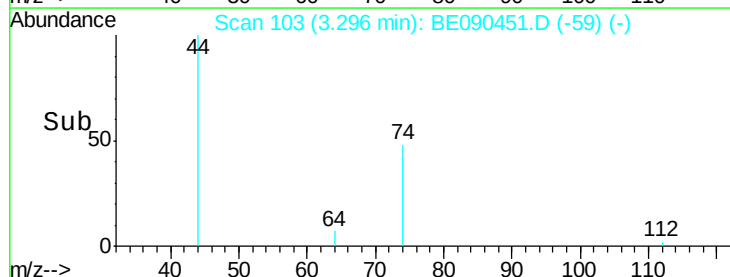
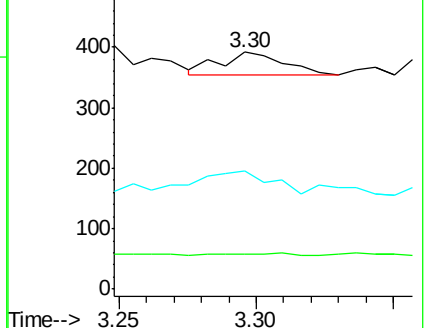
43 137.7 28.4 42.6#

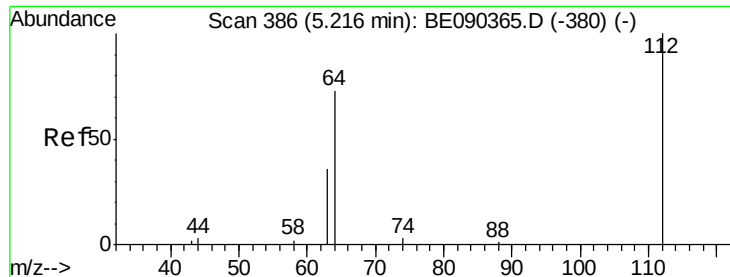


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.73 ng

RT: 5.21 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

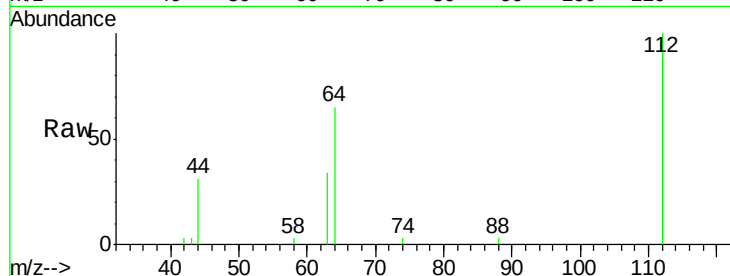
Tgt Ion: 112 Resp: 13727

Ion Ratio Lower Upper

112 100

64 70.5 37.1 55.7#

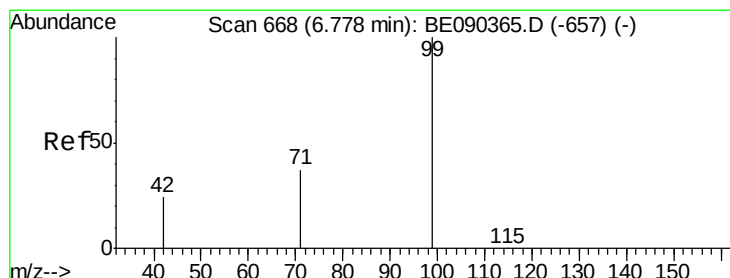
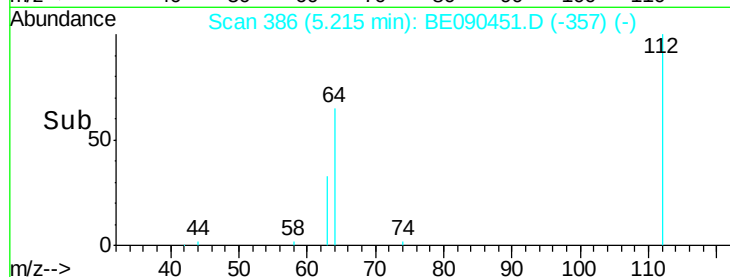
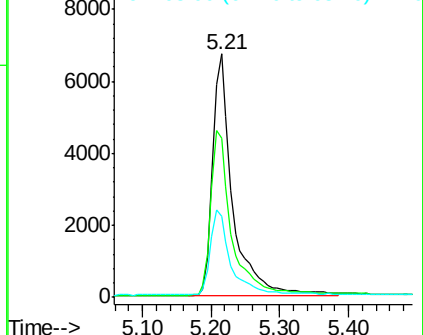
63 36.4 19.5 29.3#



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: 2.33 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

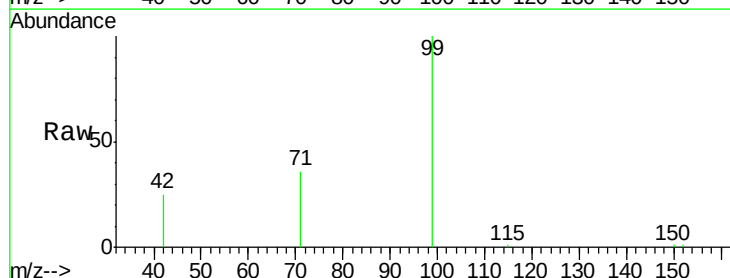
Tgt Ion: 99 Resp: 13551

Ion Ratio Lower Upper

99 100

42 21.9 18.2 27.4

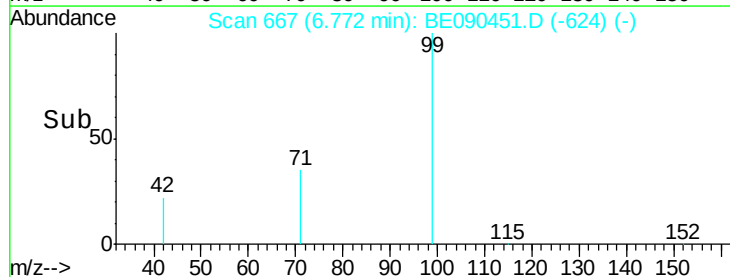
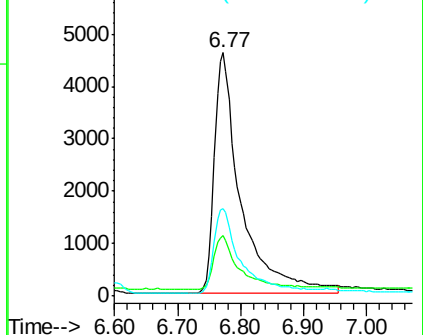
71 35.3 27.4 41.0

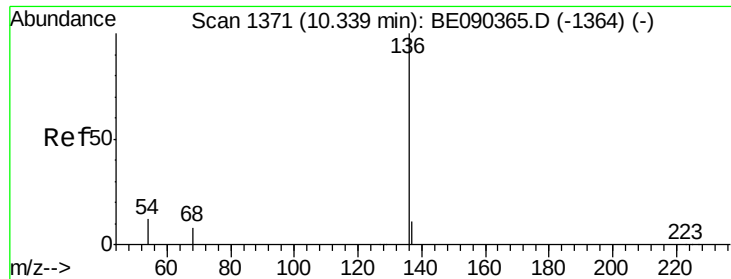


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

Tgt Ion: 136 Resp: 89337

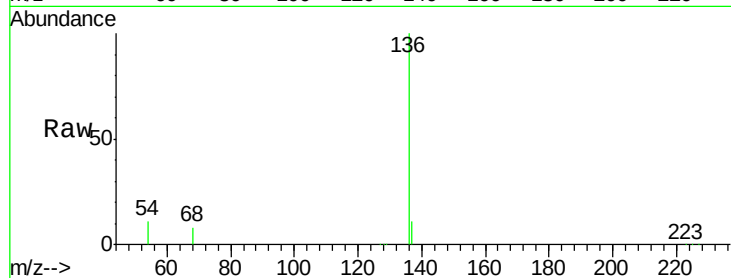
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 10.9 9.4 14.0

68 7.9 6.5 9.7

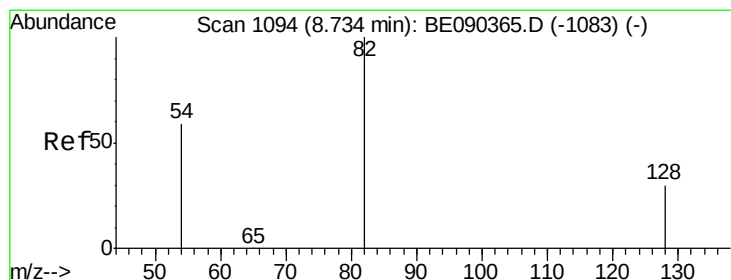
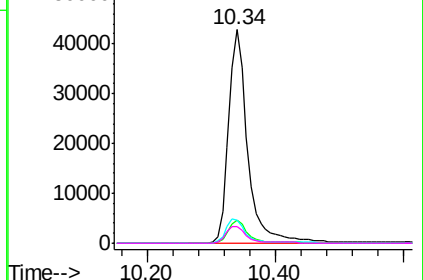
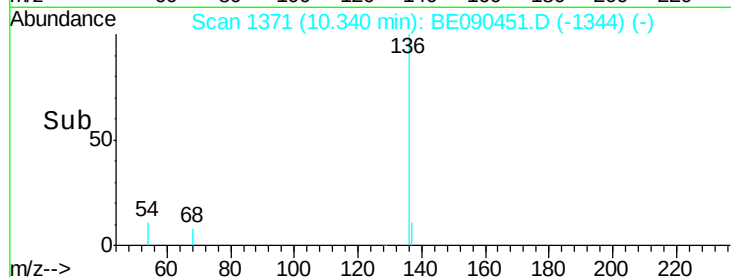


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.32 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

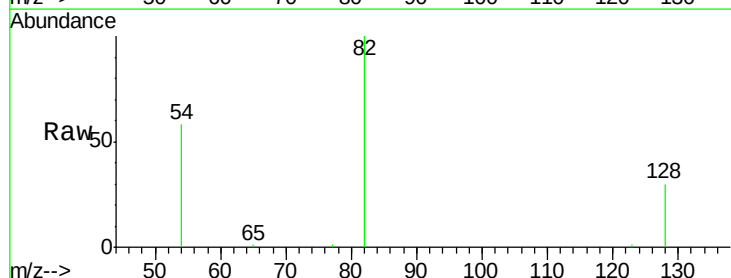
Tgt Ion: 82 Resp: 23630

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.6

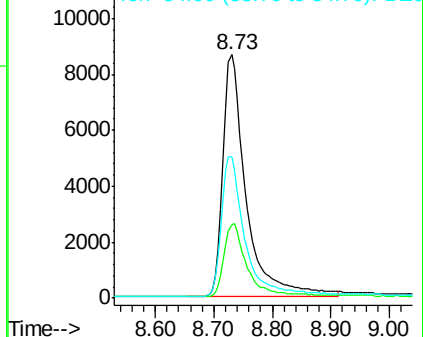
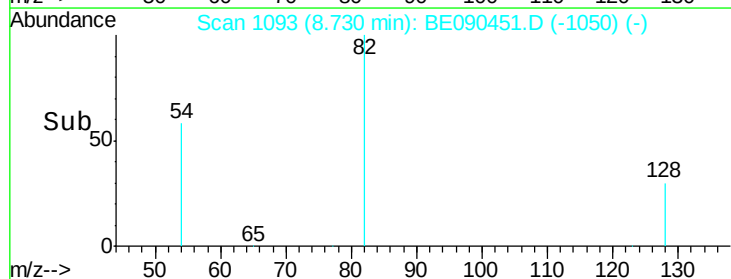
54 58.1 48.8 73.2

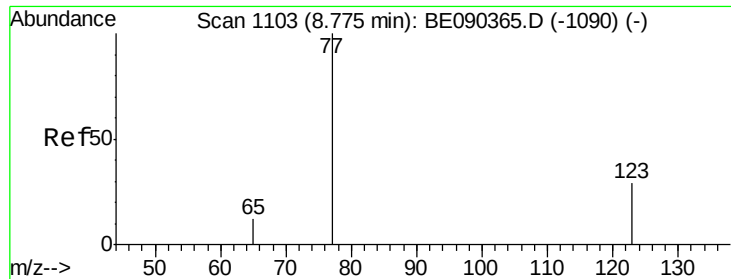


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.04 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

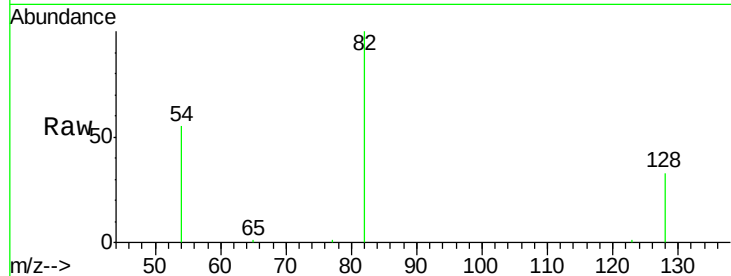
Tgt Ion: 77 Resp: 48

Ion Ratio Lower Upper

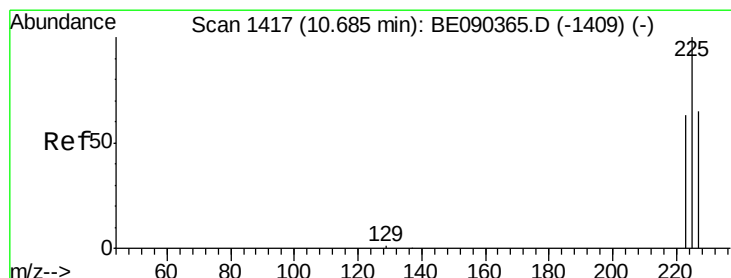
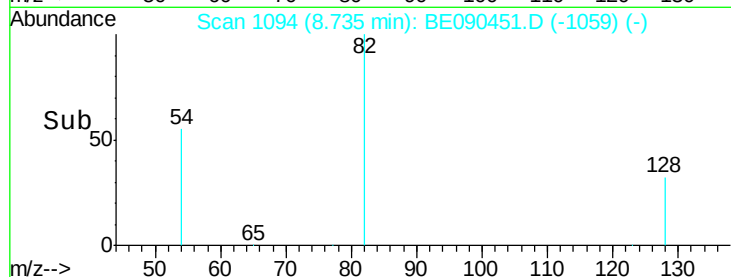
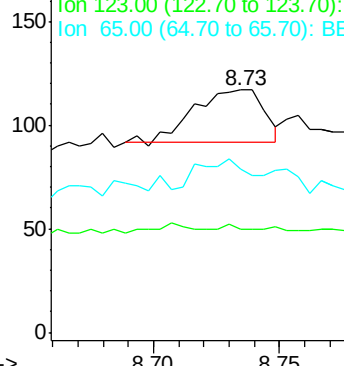
77 100

123 2.1 25.1 37.7#

65 37.5 9.3 13.9#



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



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.67 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

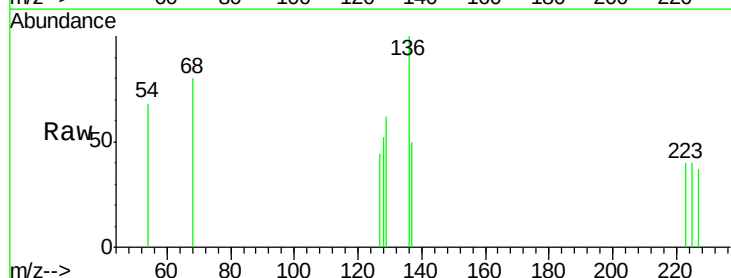
Tgt Ion: 225 Resp: 6

Ion Ratio Lower Upper

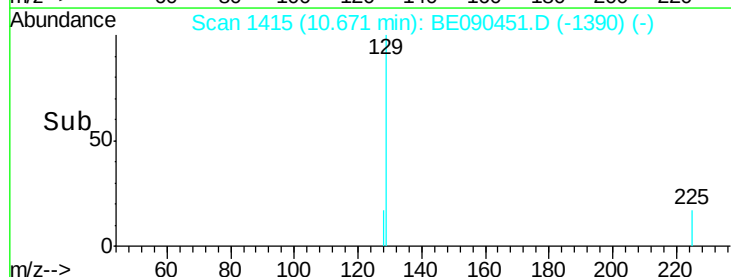
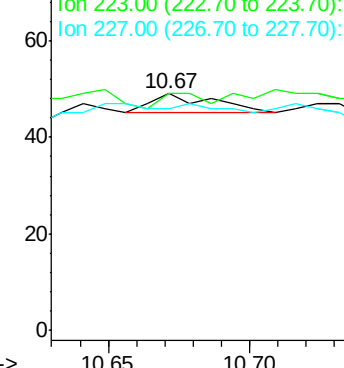
225 100

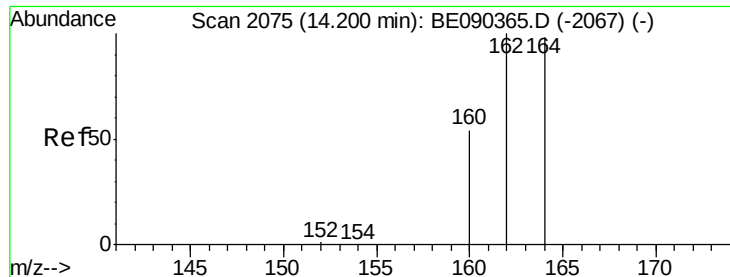
223 50.0 50.6 75.8#

227 0.0 50.7 76.1#



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





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

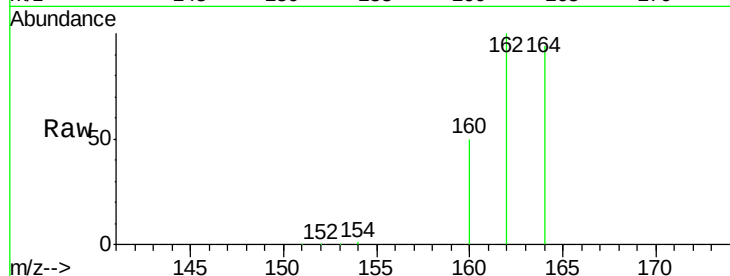
Tgt Ion:164 Resp: 51546

Ion Ratio Lower Upper

164 100

162 106.1 81.8 122.8

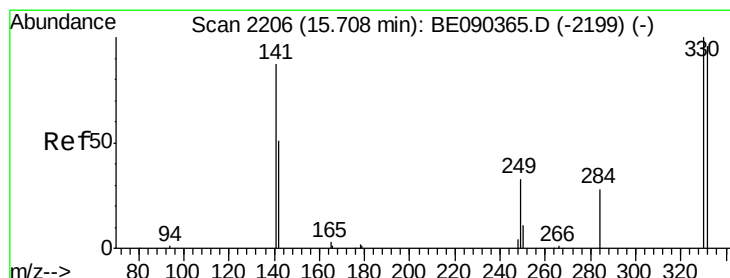
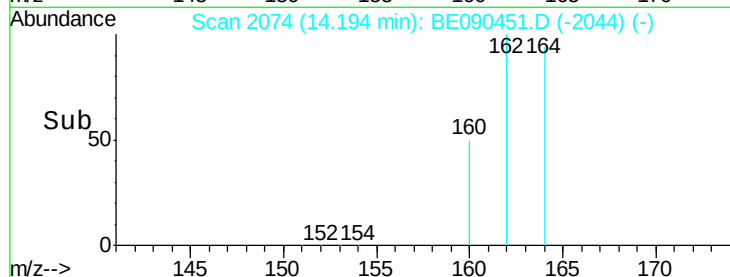
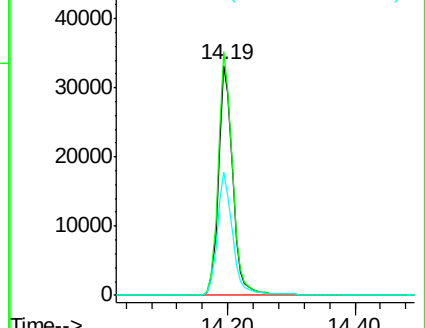
160 53.5 44.2 66.4



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: 9.07 ng

RT: 15.69 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

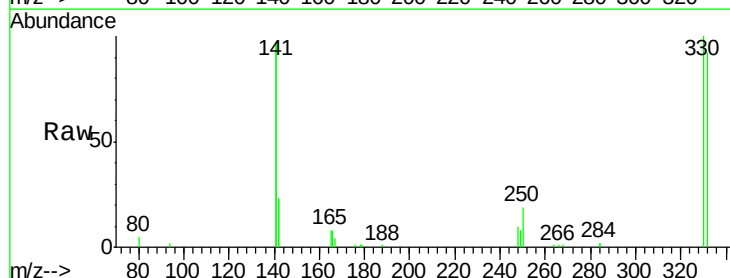
Tgt Ion:330 Resp: 15228

Ion Ratio Lower Upper

330 100

332 96.5 75.8 113.6

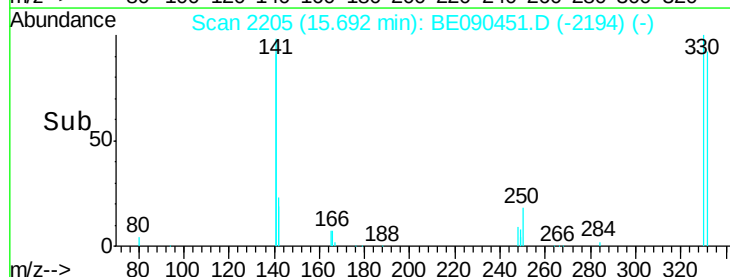
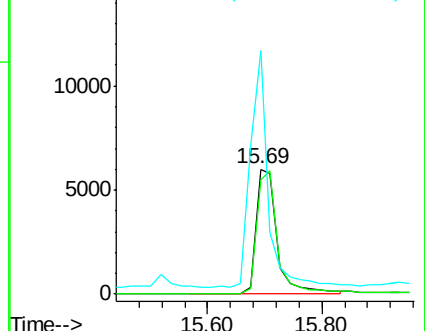
141 159.0 114.4 171.6

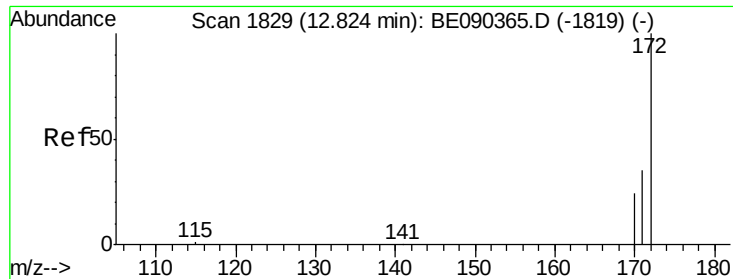


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

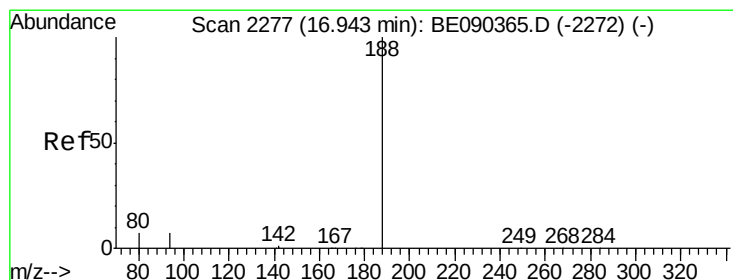
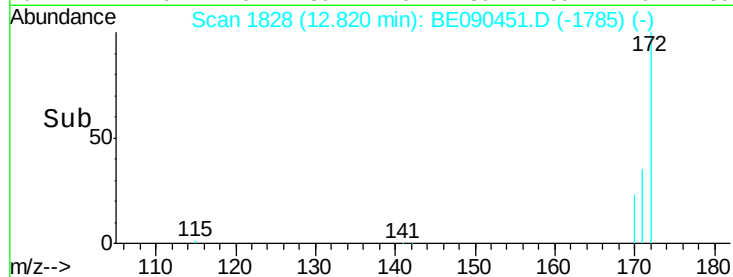
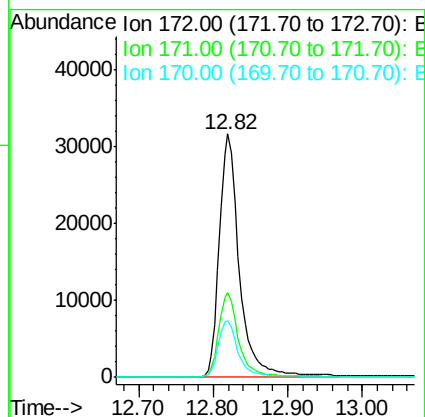
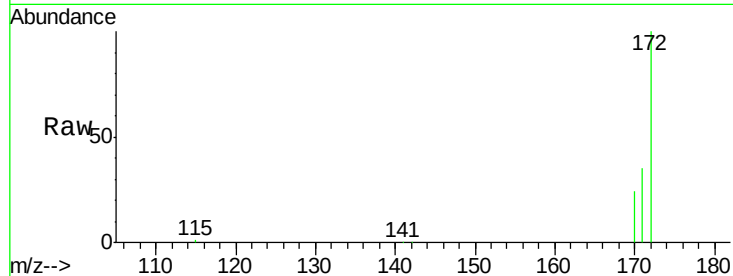




#14
2-Fluorobiphenyl
Concen: 4.17 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090451.D
Acq: 12 Aug 2015 5:11

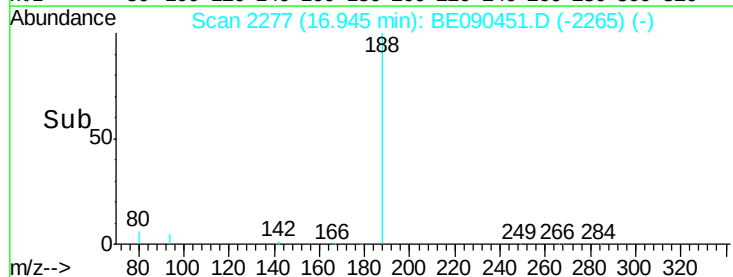
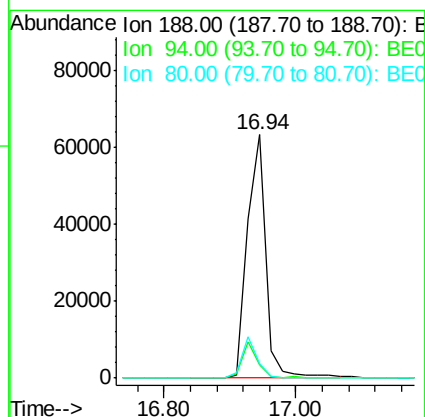
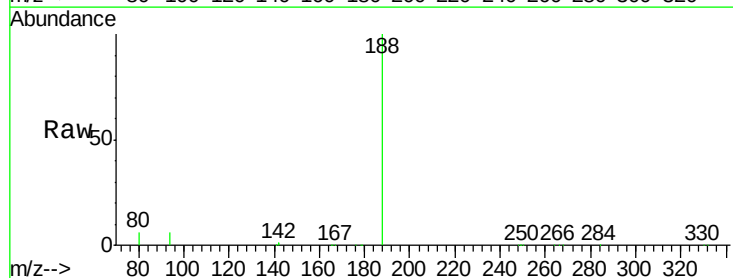
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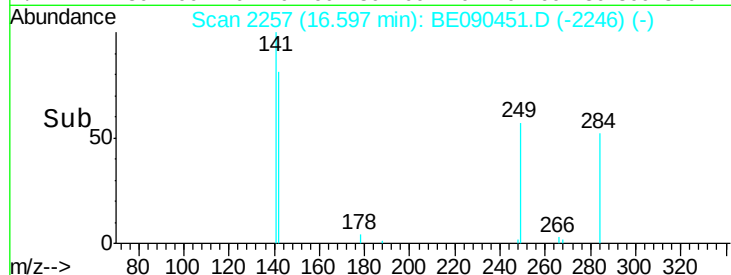
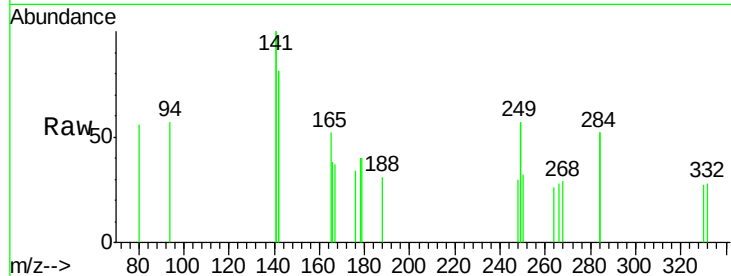
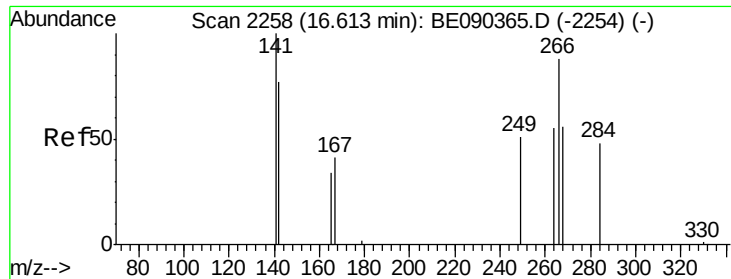
Tgt Ion:172 Resp: 59175
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 23.5 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090451.D
Acq: 12 Aug 2015 5:11

Tgt Ion:188 Resp: 122438
Ion Ratio Lower Upper
188 100
94 5.6 5.7 8.5#
80 5.8 5.8 8.8





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

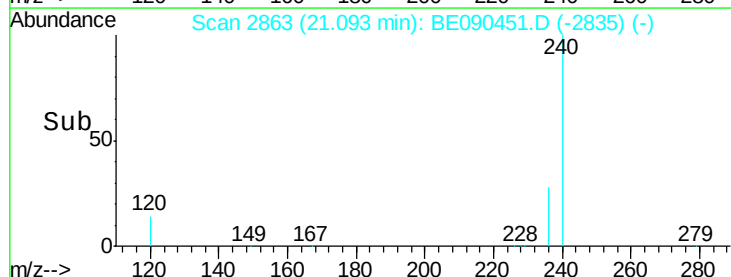
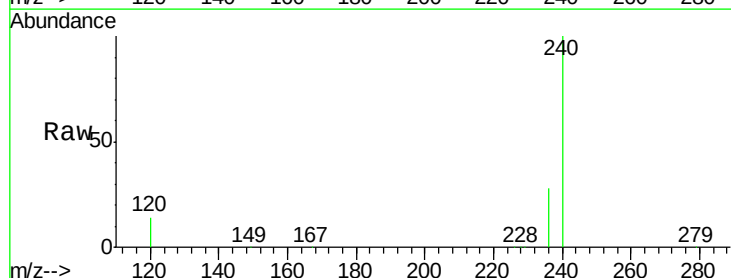
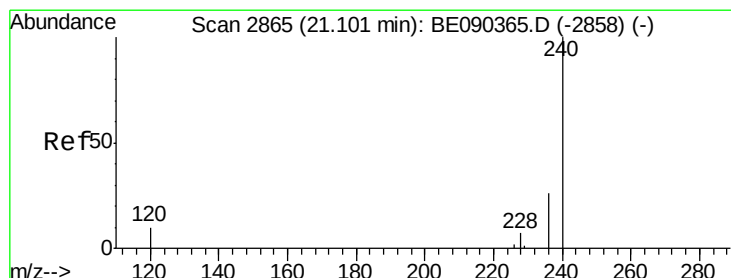
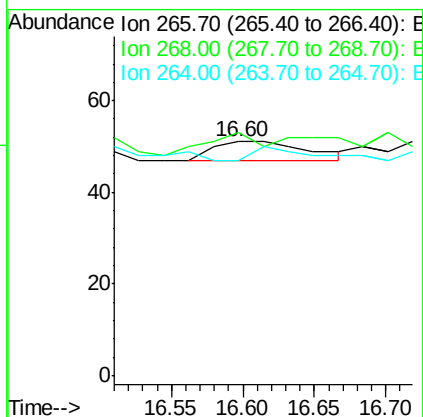
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

268 103.9 58.5 87.7#

264 92.2 56.0 84.0#



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

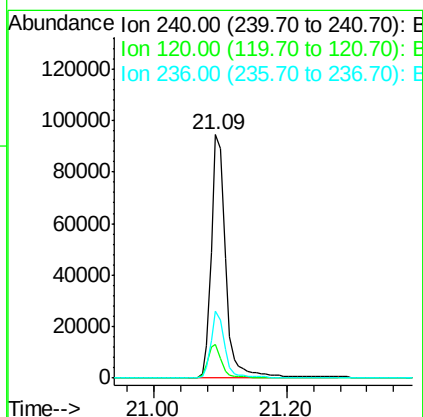
Tgt Ion:240 Resp: 140283

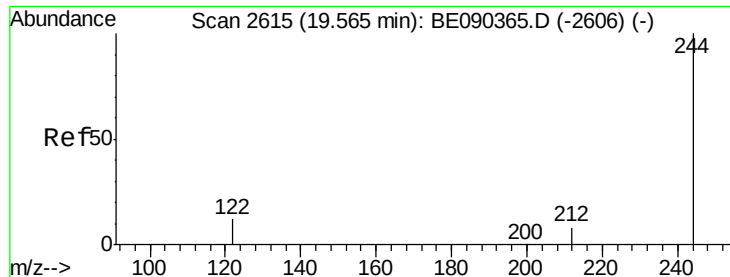
Ion Ratio Lower Upper

240 100

120 13.8 8.3 12.5#

236 27.7 21.0 31.4





#27

Terphenyl-d14

Concen: 5.75 ng

RT: 19.56 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

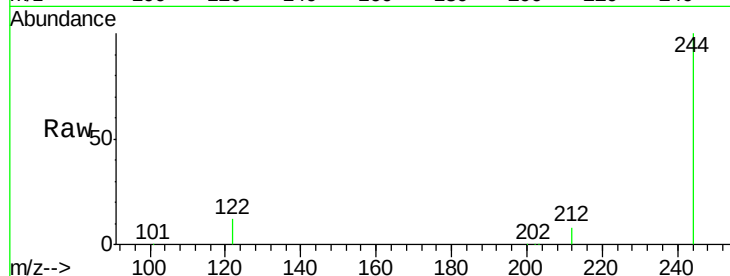
Tgt Ion:244 Resp: 118921

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

122 12.1 10.2 15.4



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

120000

100000

80000

60000

40000

20000

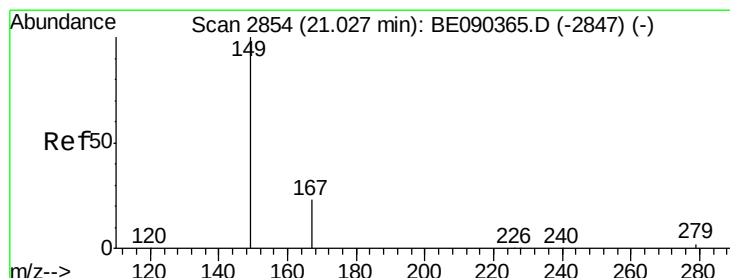
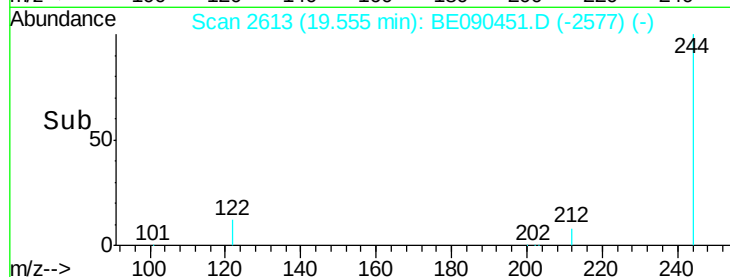
0

19.56

19.60

19.80

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.48 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

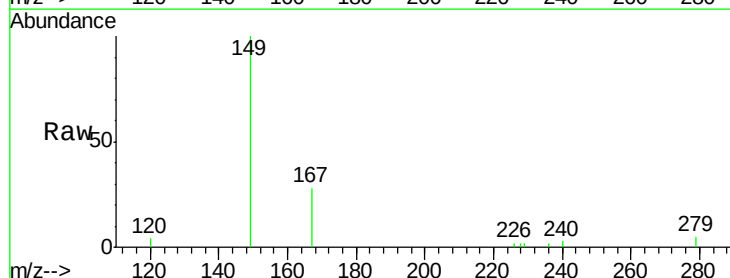
Tgt Ion:149 Resp: 2825

Ion Ratio Lower Upper

149 100

167 24.4 19.8 29.8

279 3.4 2.4 3.6



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

3000

2000

1000

0

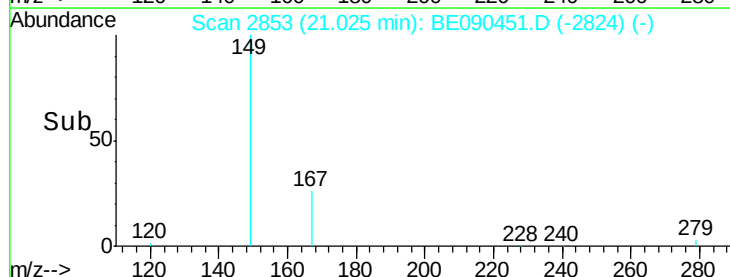
21.03

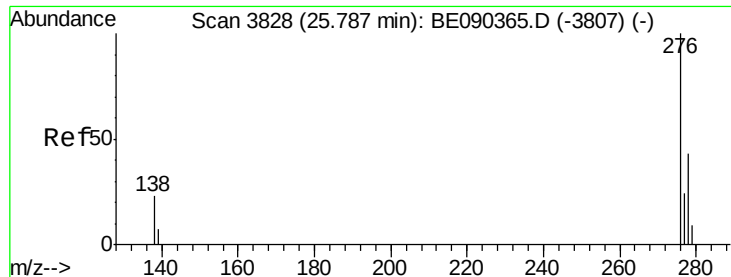
20.95

21.00

21.05

Time-->





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.79 min Scan# 3829

Delta R.T. 0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

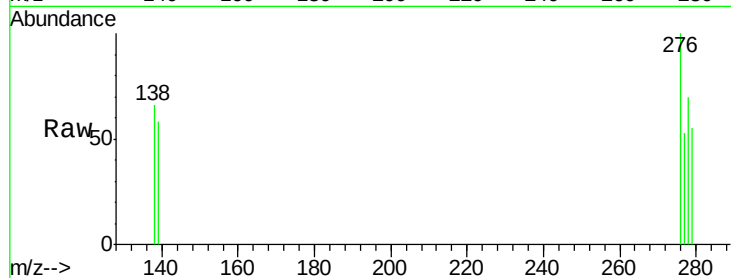
Tgt Ion: 276 Resp: 372

Ion Ratio Lower Upper

276 100

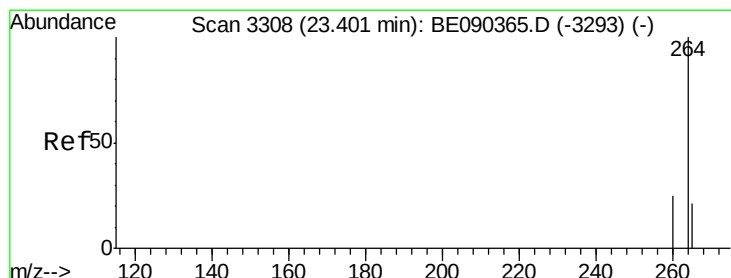
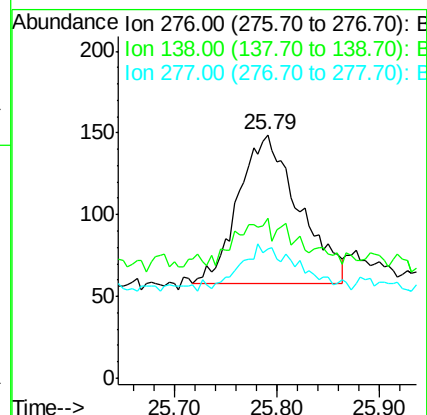
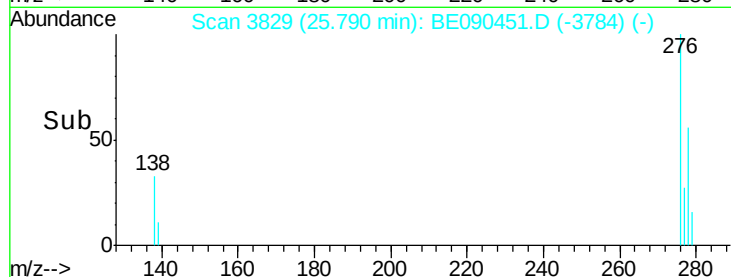
138 17.2 18.8 28.2#

277 16.9 18.2 27.4#



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

25.79



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

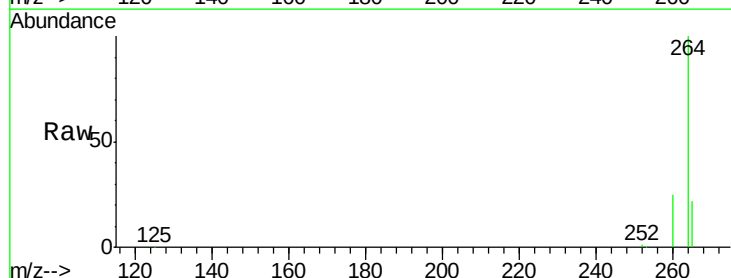
Tgt Ion: 264 Resp: 124147

Ion Ratio Lower Upper

264 100

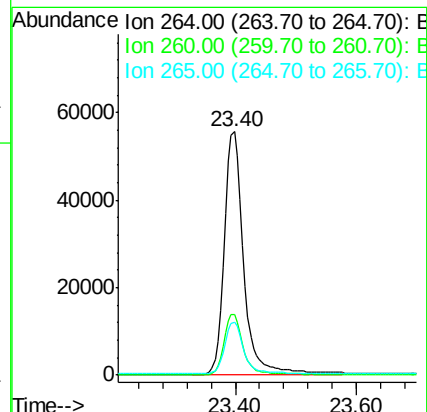
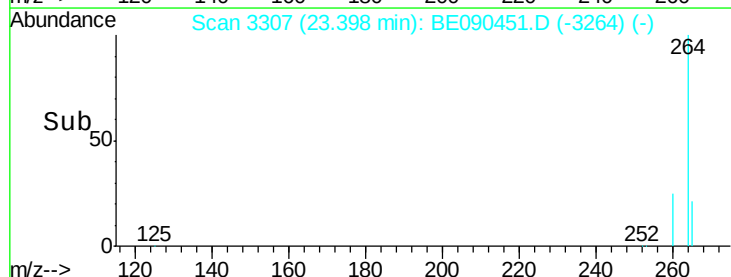
260 24.9 20.1 30.1

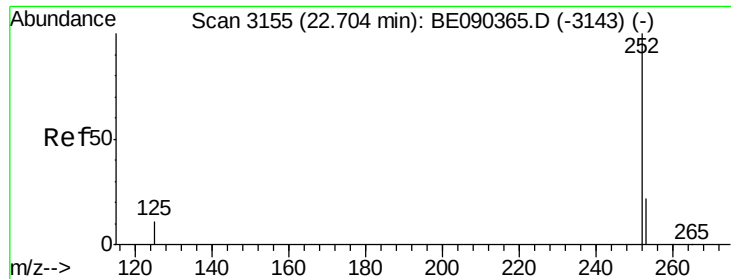
265 21.7 17.2 25.8



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

23.40





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S

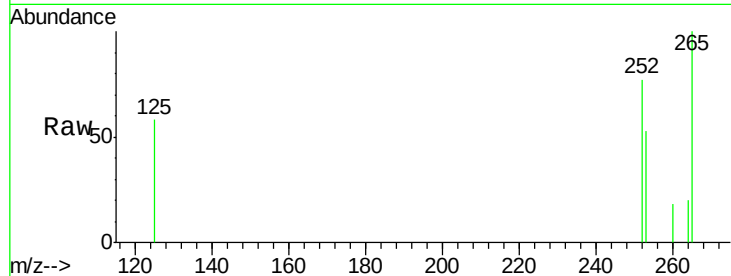
Tgt Ion: 252 Resp: 268

Ion Ratio Lower Upper

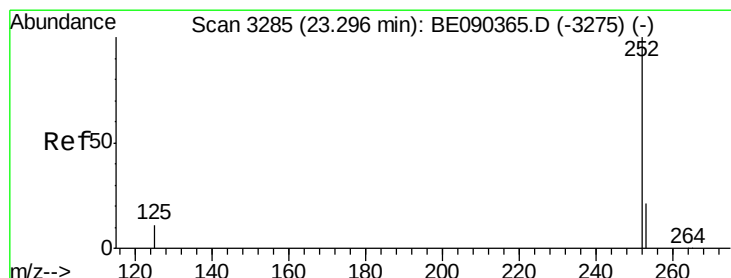
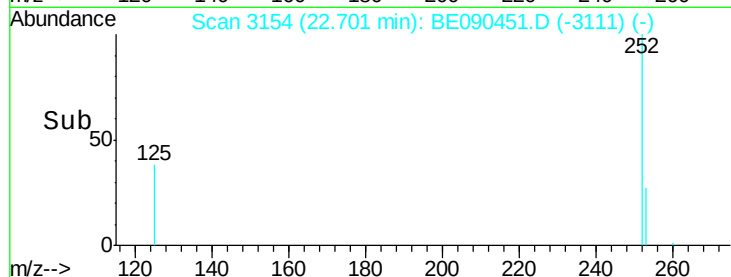
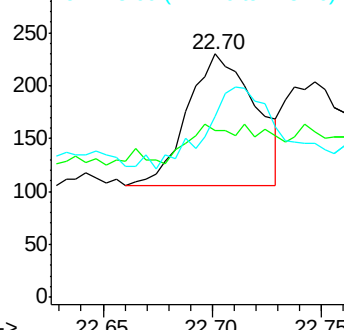
252 100

253 68.7 18.1 27.1#

125 74.3 9.4 14.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090451.D

Acq: 12 Aug 2015 5:11

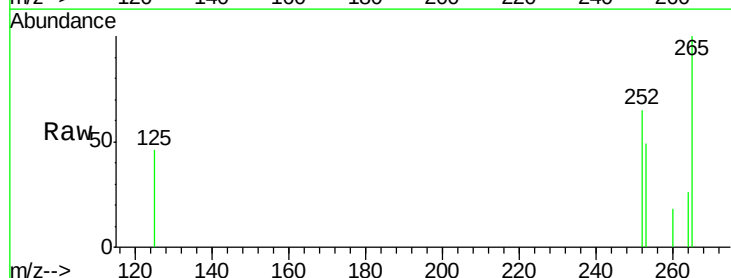
Tgt Ion: 252 Resp: 223

Ion Ratio Lower Upper

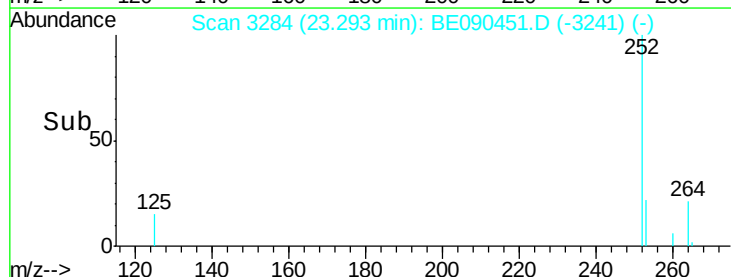
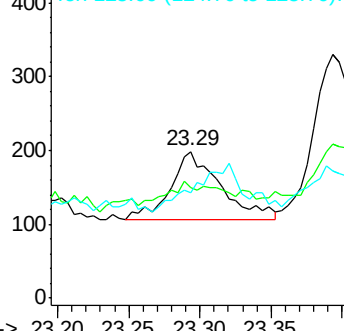
252 100

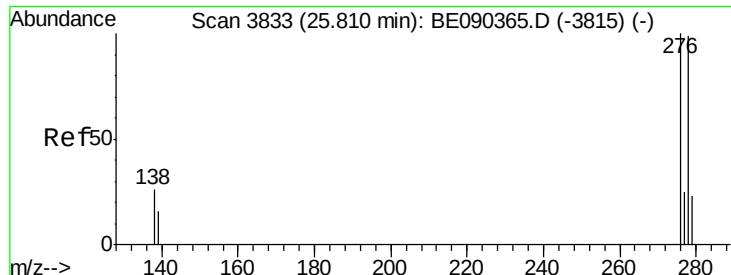
253 75.4 17.6 26.4#

125 71.4 9.8 14.6#



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: 0.29 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.00 min

Lab File: BE090451.D

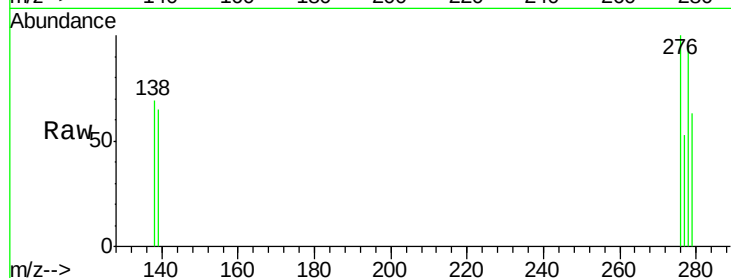
Acq: 12 Aug 2015 5:11

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-S



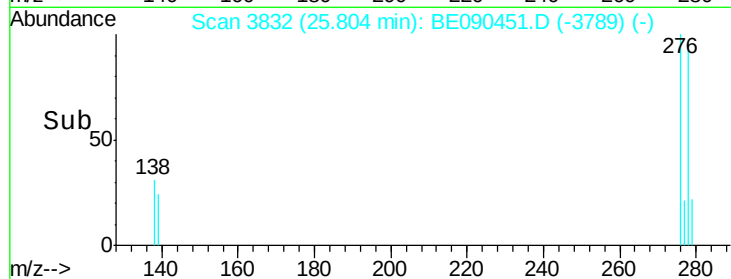
Tgt Ion: 278 Resp: 283

Ion Ratio Lower Upper

278 100

139 69.0 14.2 21.4#

279 66.7 20.1 30.1#



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

150

100

50

0

25.70 25.80 25.90

Time-->