

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081115\
 Data File : BE090458.D
 Acq On : 12 Aug 2015 9:25
 Operator : UM/IZ
 Sample : G3236-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 12 11:25:03 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	20949	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	95955	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	54363	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	128124	5.00	ng	0.00
25) Chrysene-d12	21.09	240	147230	5.00	ng	0.00
32) Perylene-d12	23.40	264	133445	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	15838	5.04	ng	0.00
5) Phenol-d6	6.77	99	14625	2.33	ng	0.00
7) Nitrobenzene-d5	8.73	82	28421	3.69	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	16260	9.15	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	66628	4.46	ng	0.00
27) Terphenyl-d14	19.55	244	119835	5.52	ng	-0.01

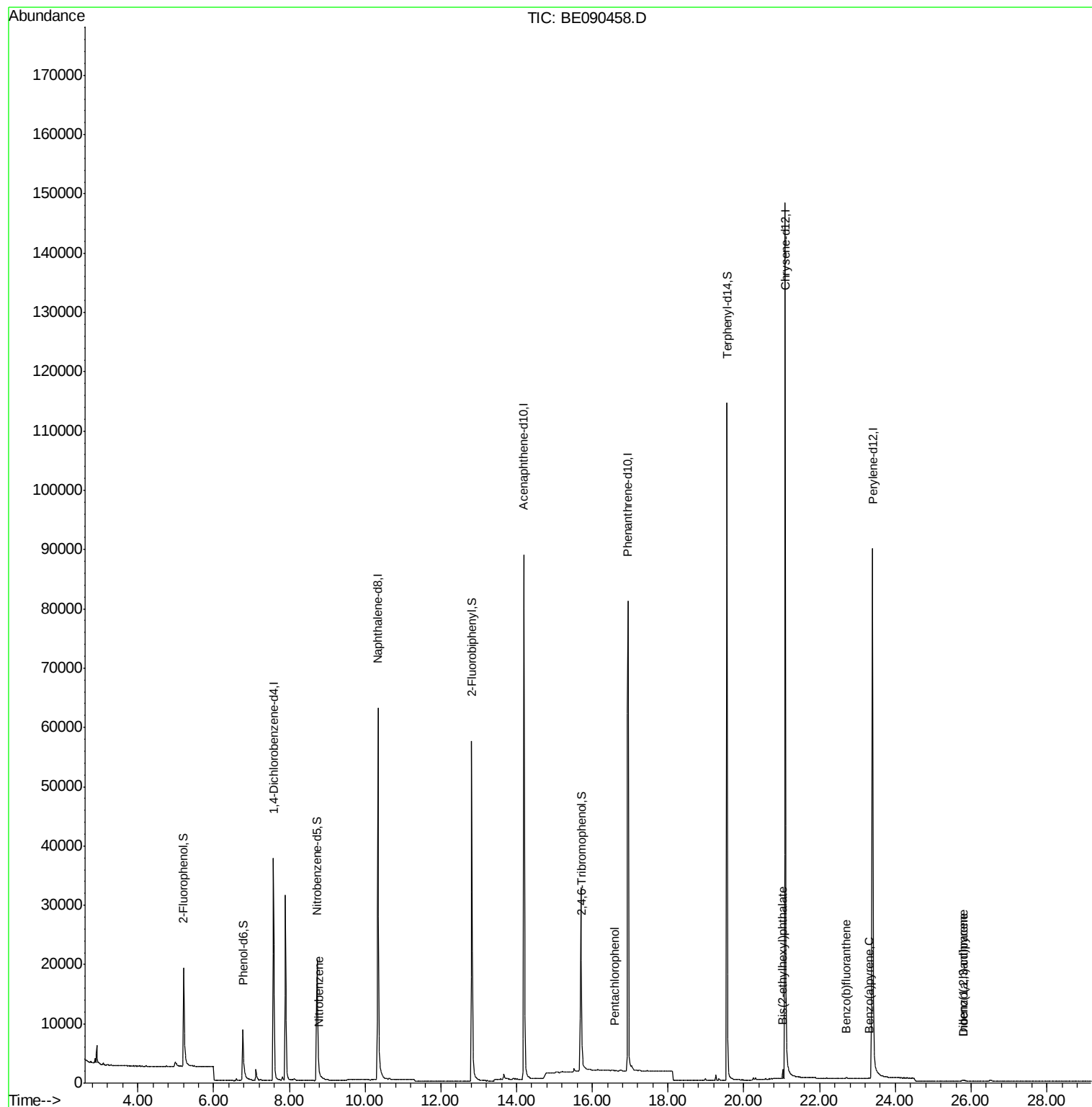
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	19	Below Cal	#	1
8) Nitrobenzene	8.80	77	14	0.21 ng	#	69
10) Hexachlorobutadiene	10.69	225	2	Below Cal	#	36
21) Pentachlorophenol	16.60	266	24	0.12 ng	#	70
30) Bis(2-ethylhexyl)phthalate	21.03	149	1492	0.30 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.80	276	189	0.26 ng	#	92
33) Benzo(b)fluoranthene	22.70	252	173	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	92	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	137	0.29 ng	#	1

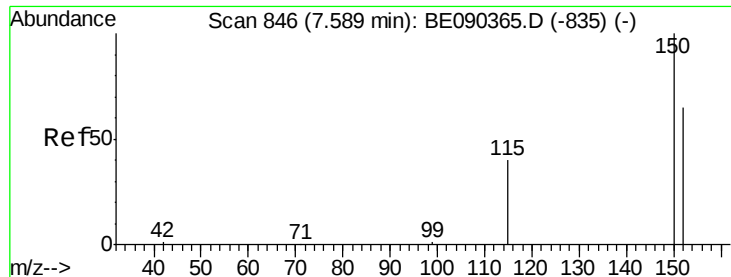
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.00 min

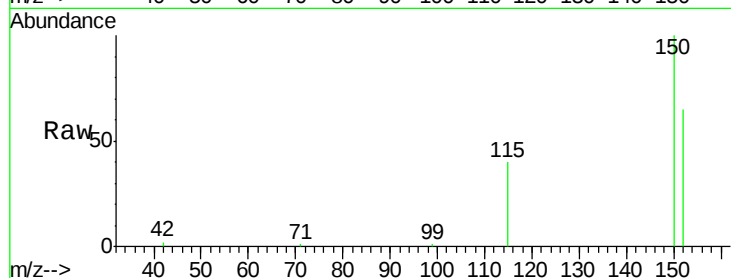
Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampled :



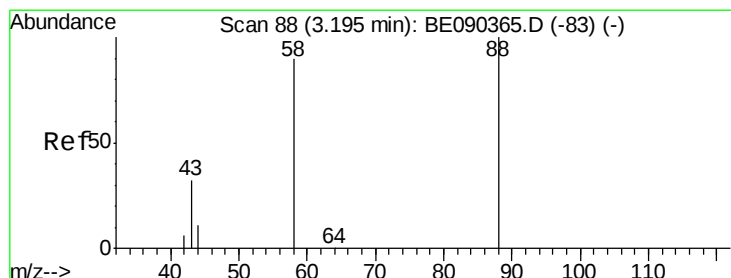
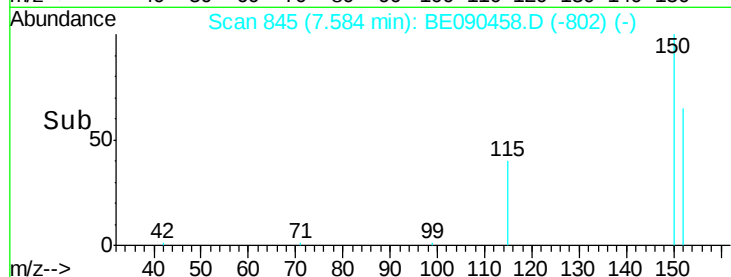
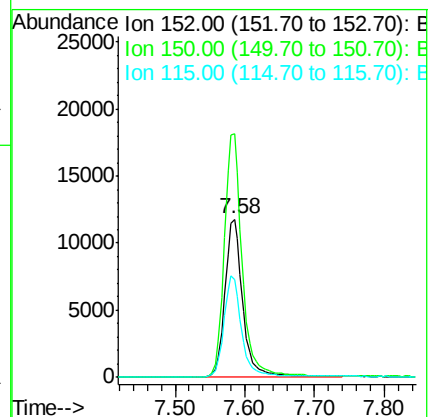
Tot Ion:152 Resp: 20949

Ion Ratio Lower Upper

152 100

150 154.0 123.0 184.4

115 61.7 48.9 73.3



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.30 min Scan# 104

Delta R.T. 0.11 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

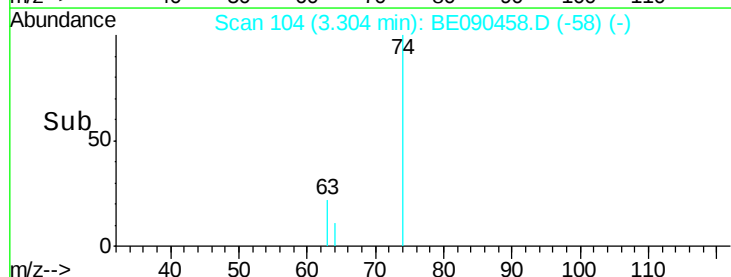
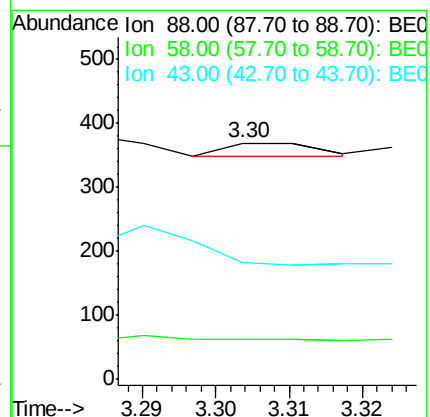
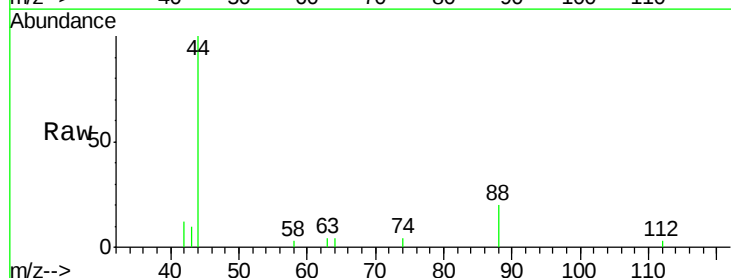
Tgt Ion: 88 Resp: 19

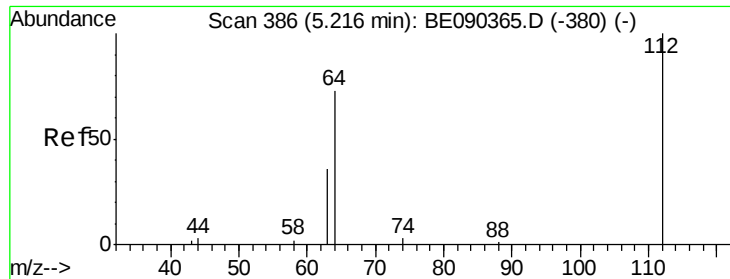
Ion Ratio Lower Upper

88 100

58 36.8 70.0 105.0#

43 384.2 28.4 42.6#





#4

2-Fluorophenol

Concen: 5.04 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampleId :

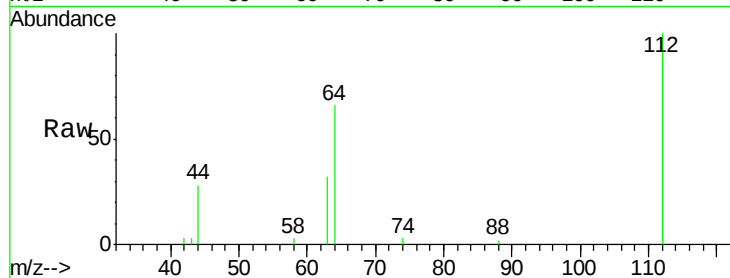
Tot Ion:112 Resp: 15838

Ion Ratio Lower Upper

112 100

64 70.6 37.1 55.7#

63 36.5 19.5 29.3#



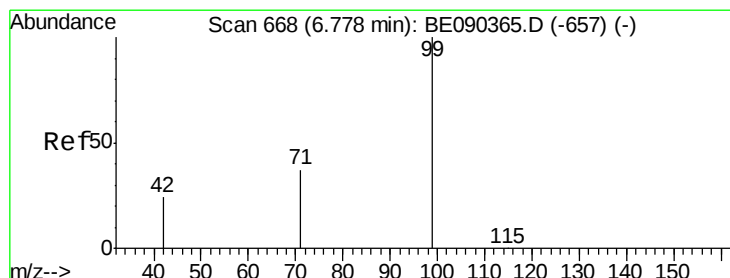
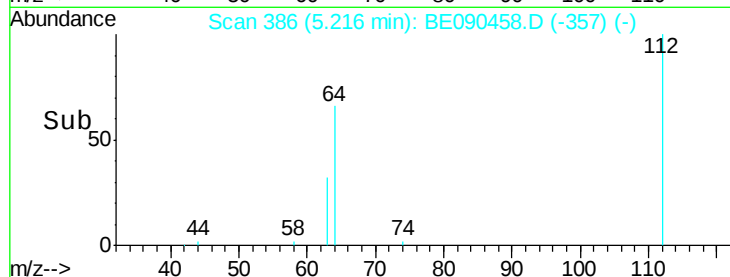
Abundance Ion 112.00 (111.70 to 112.70): BE090458.D (-357) (-)

Ion 64.00 (63.70 to 64.70): BE090458.D (-357) (-)

Ion 63.00 (62.70 to 63.70): BE090458.D (-357) (-)

5.22

Time-->



#5

Phenol-d6

Concen: 2.33 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

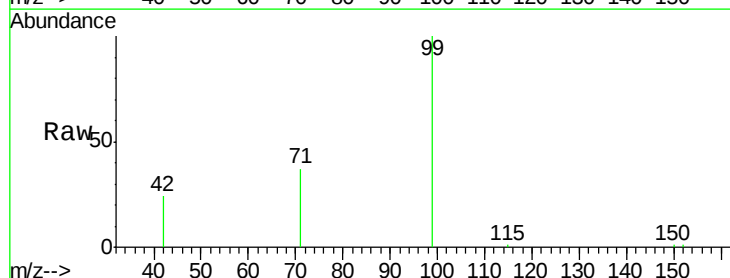
Tgt Ion: 99 Resp: 14625

Ion Ratio Lower Upper

99 100

42 21.4 18.2 27.4

71 35.9 27.4 41.0



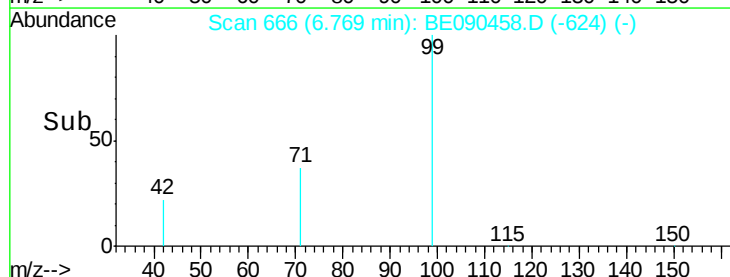
Abundance Ion 99.00 (98.70 to 99.70): BE090458.D (-624) (-)

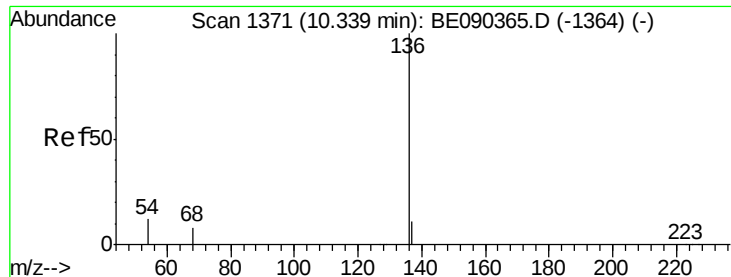
Ion 42.00 (41.70 to 42.70): BE090458.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090458.D (-624) (-)

6.77

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 95955

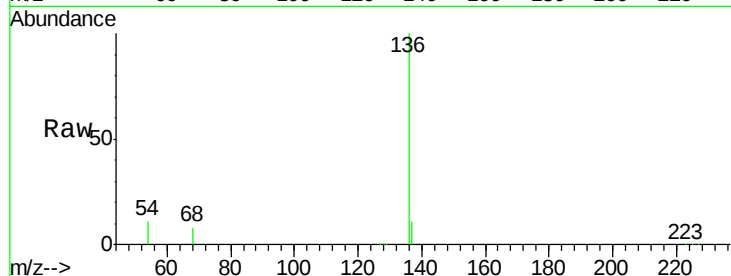
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.9 9.4 14.0

68 8.0 6.5 9.7

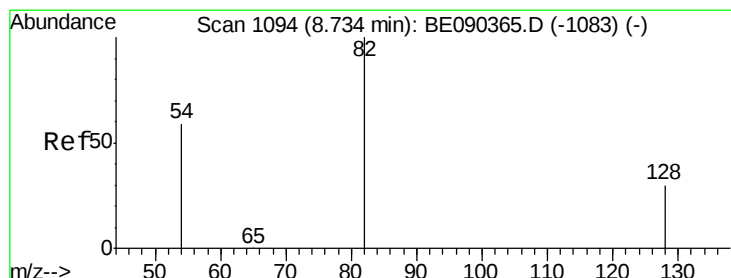
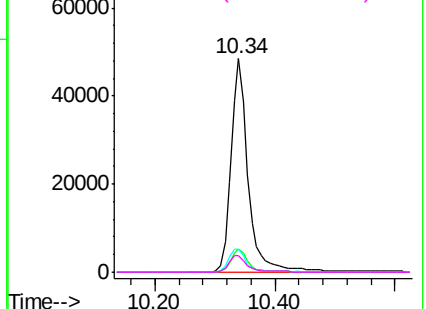
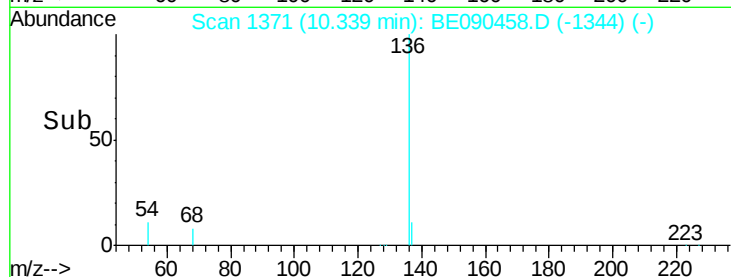


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.69 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

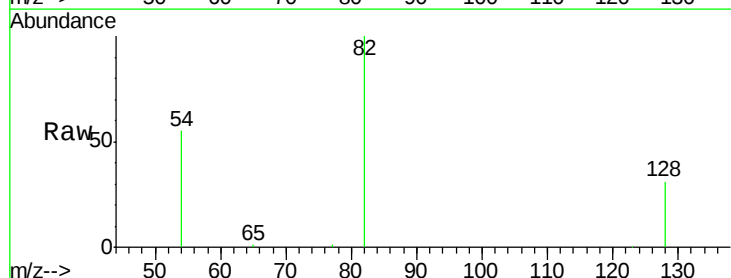
Tgt Ion: 82 Resp: 28421

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.6

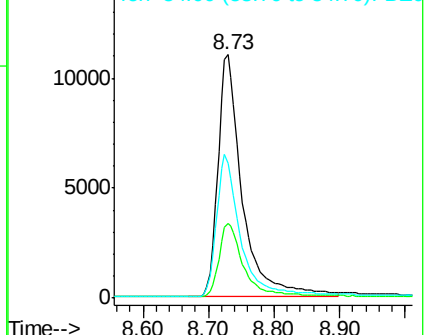
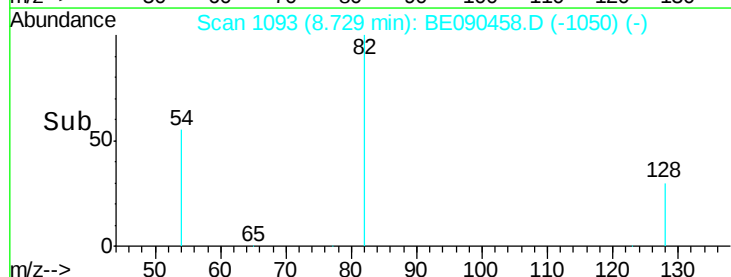
54 55.4 48.8 73.2

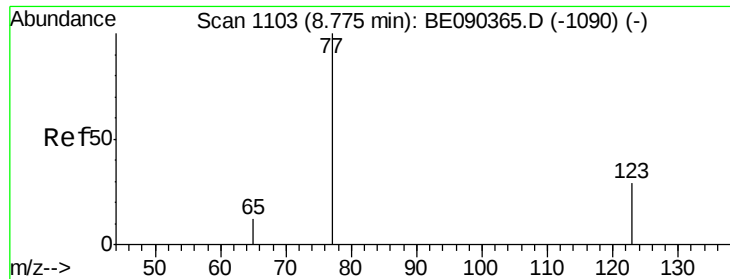


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.80 min Scan# 1108

Delta R.T. 0.02 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampleId :

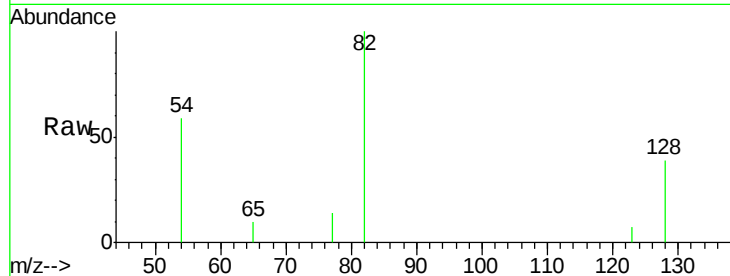
Tot Ion: 77 Resp: 14

Ion Ratio Lower Upper

77 100

123 14.3 25.1 37.7#

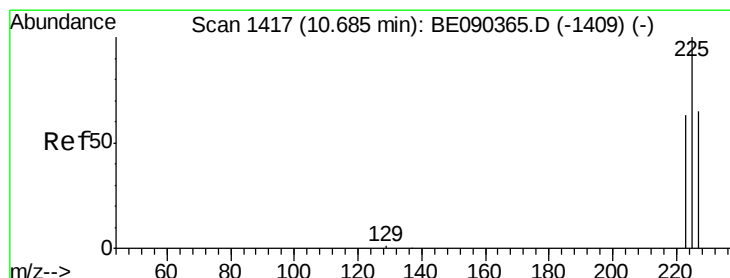
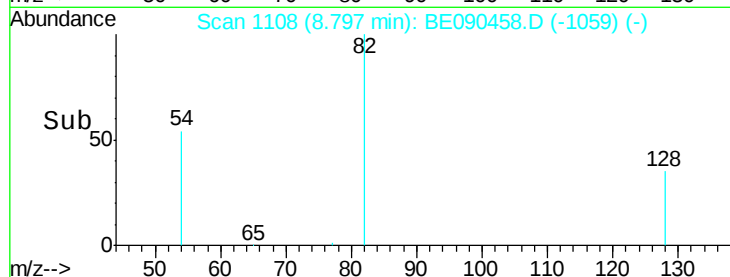
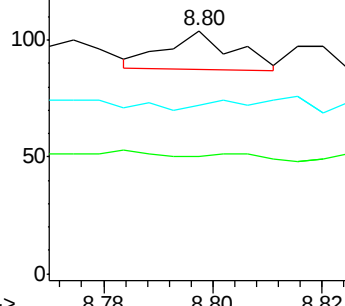
65 0.0 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

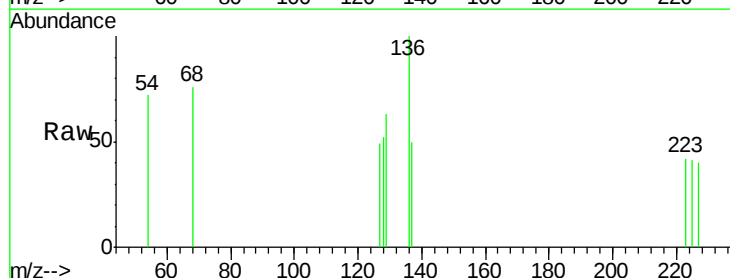
Tgt Ion: 225 Resp: 2

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

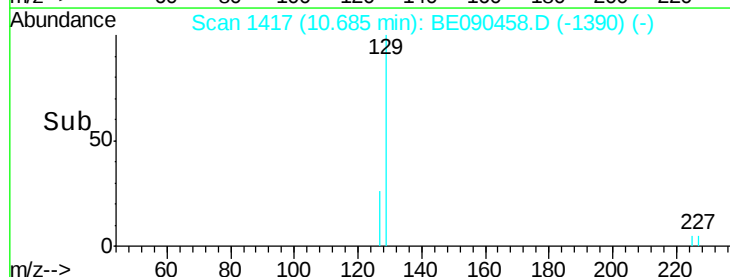
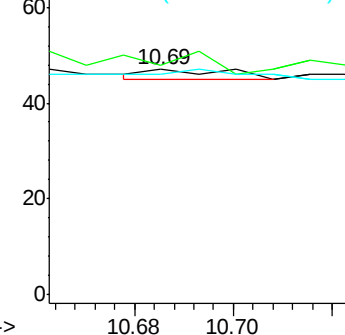
227 100.0 50.7 76.1#

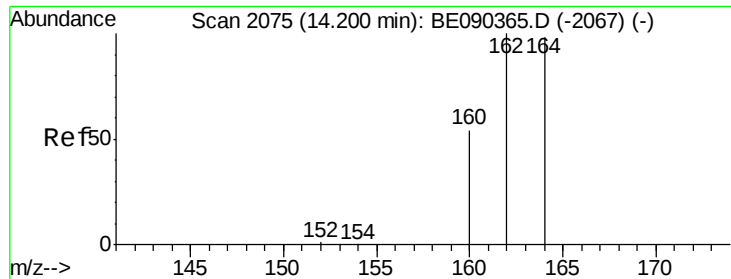


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampled :

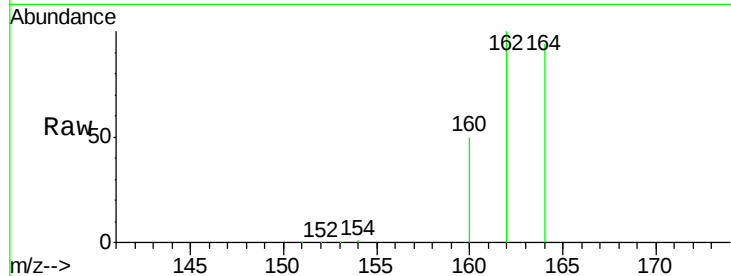
Tot Ion:164 Resp: 54363

Ion Ratio Lower Upper

164 100

162 106.6 81.8 122.8

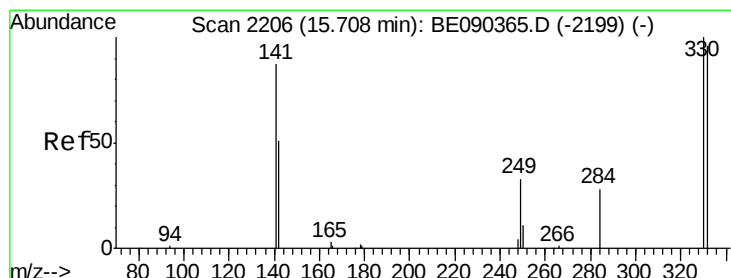
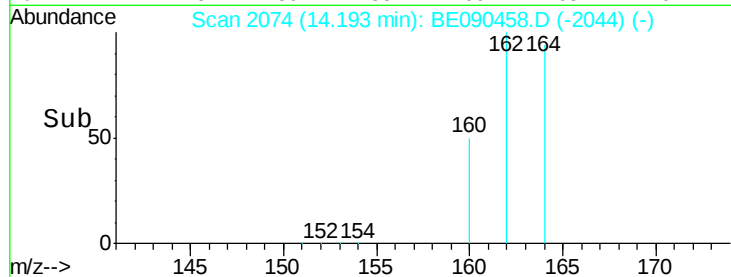
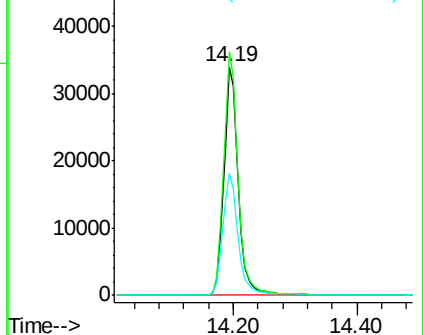
160 53.6 44.2 66.4



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: 9.15 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

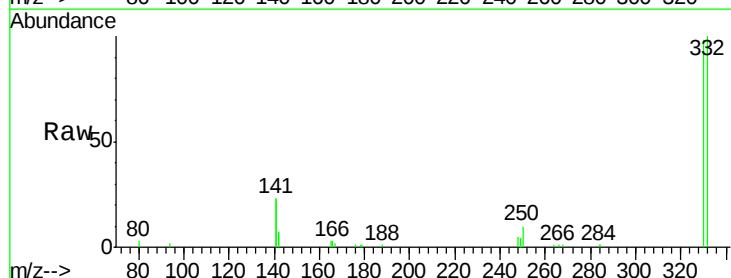
Tgt Ion:330 Resp: 16260

Ion Ratio Lower Upper

330 100

332 96.8 75.8 113.6

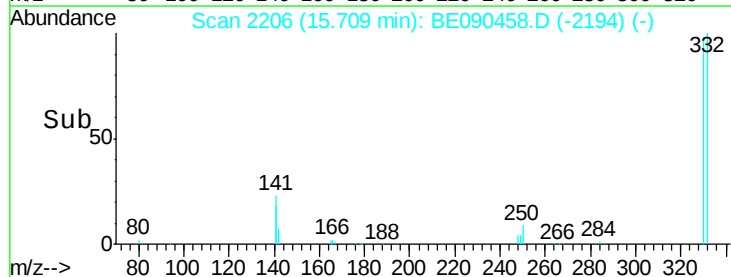
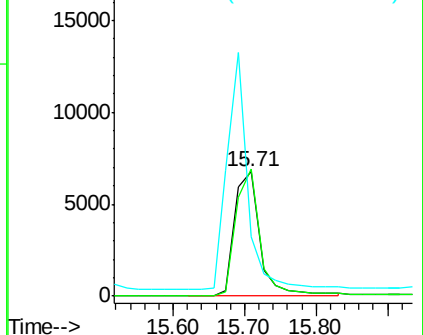
141 159.8 114.4 171.6

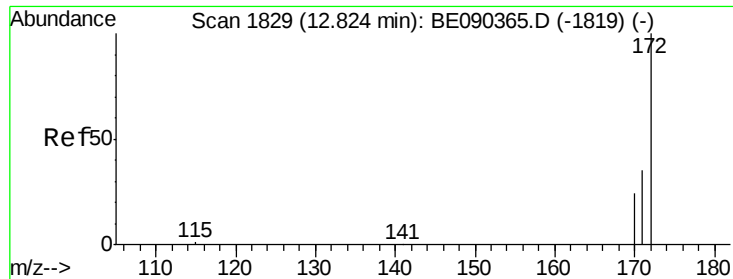


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

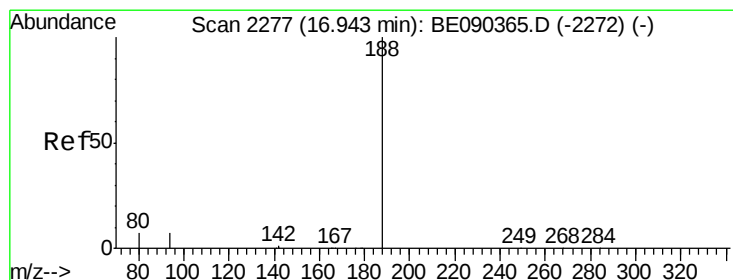
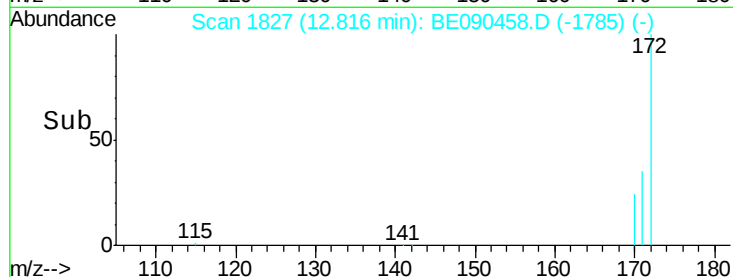
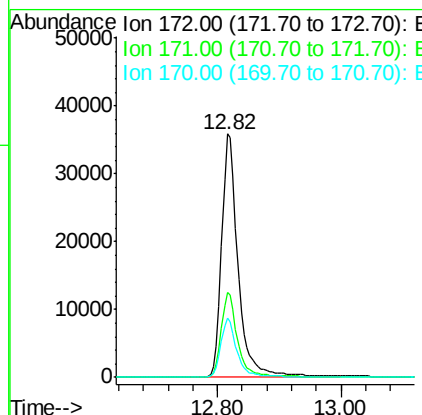
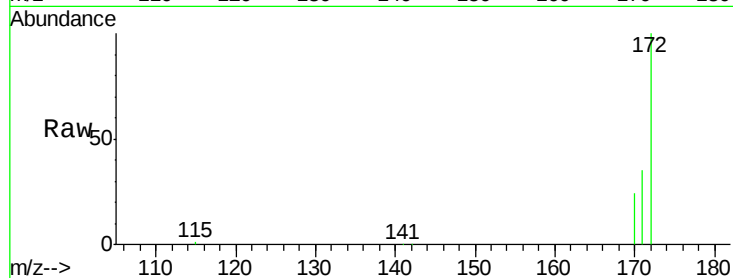




#14
2-Fluorobiphenyl
Concen: 4.46 ng
RT: 12.82 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BE090458.D
Acq: 12 Aug 2015 9:25

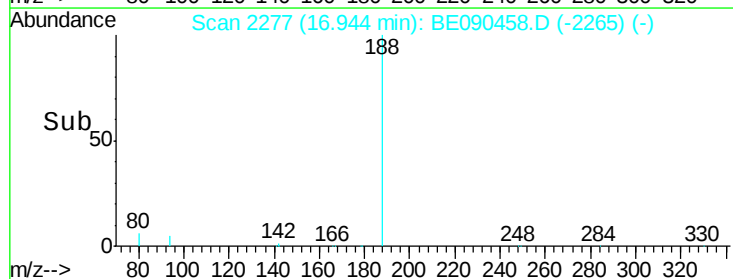
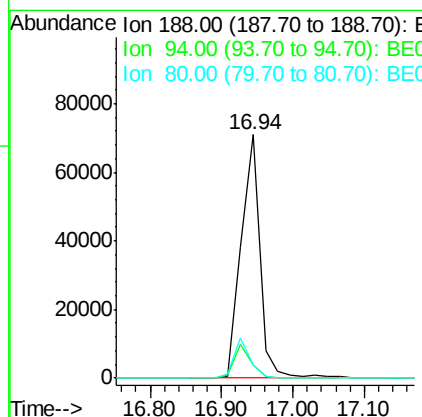
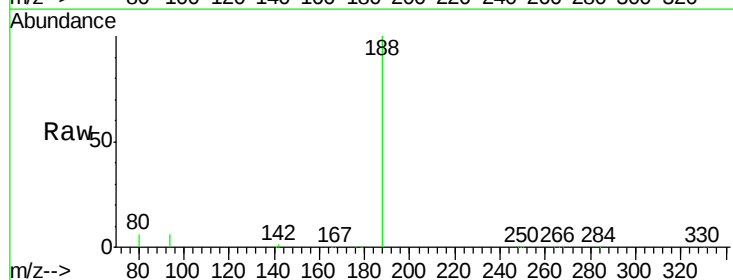
Instrument :
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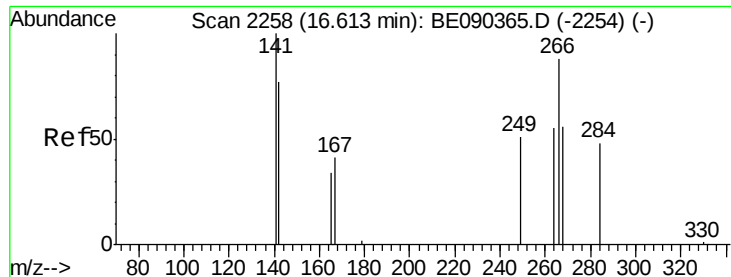
Tot Ion:172 Resp: 66628
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 24.2 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090458.D
Acq: 12 Aug 2015 9:25

Tgt Ion:188 Resp: 128124
Ion Ratio Lower Upper
188 100
94 5.6 5.7 8.5#
80 5.7 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampled :

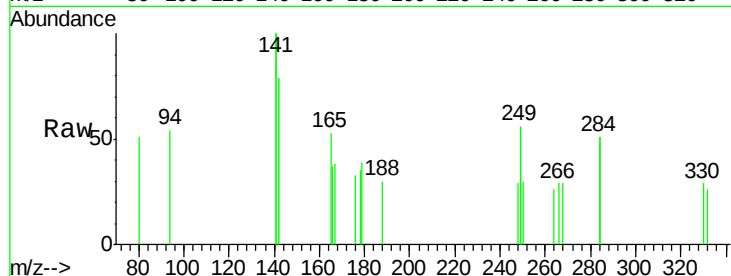
Tot Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

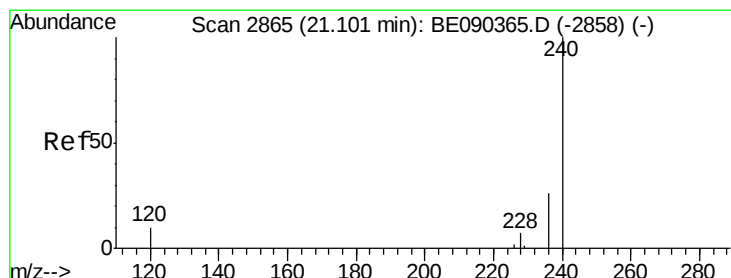
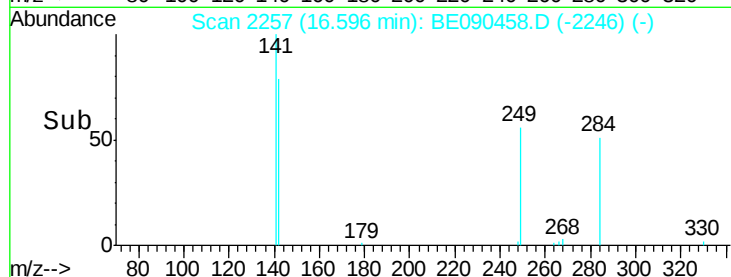
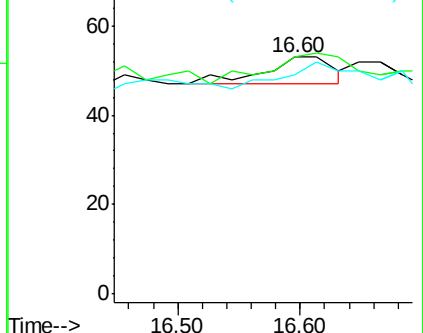
264 92.5 56.0 84.0#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

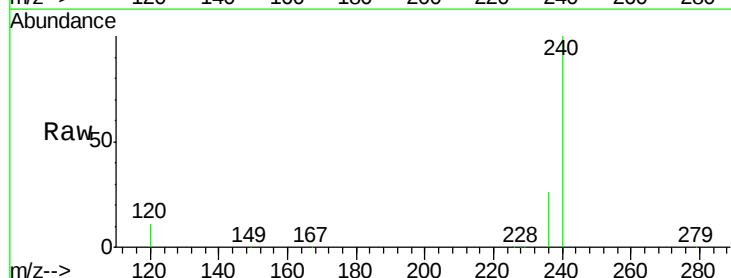
Tgt Ion:240 Resp: 147230

Ion Ratio Lower Upper

240 100

120 11.3 8.3 12.5

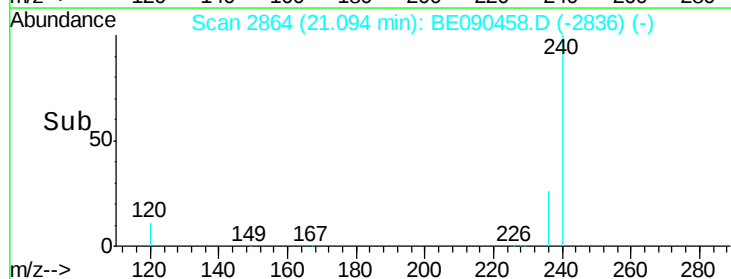
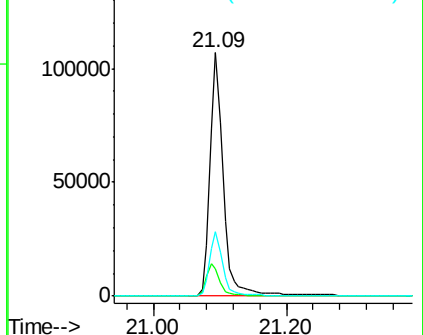
236 26.5 21.0 31.4

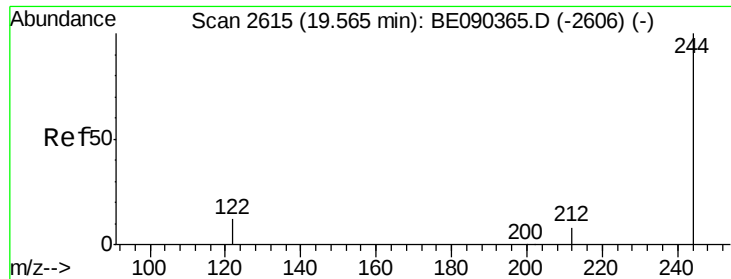


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 5.52 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampleId :

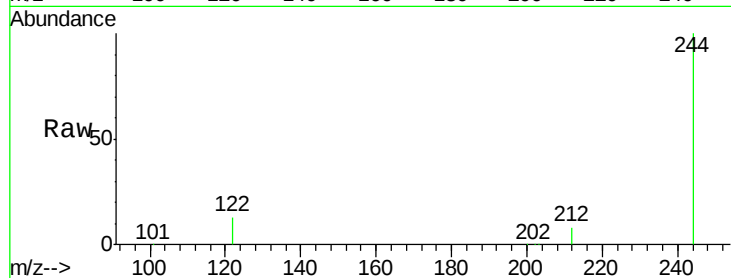
Tot Ion:244 Resp: 119835

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

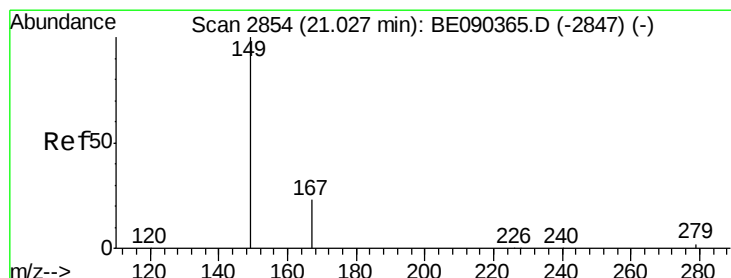
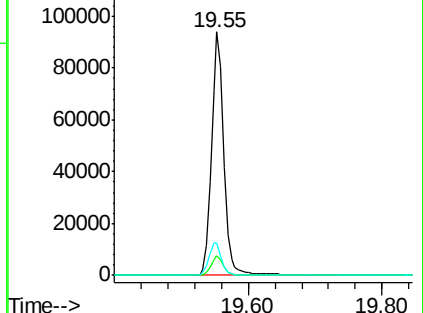
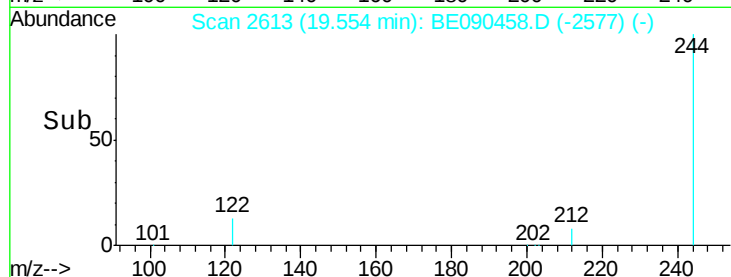
122 13.2 10.2 15.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

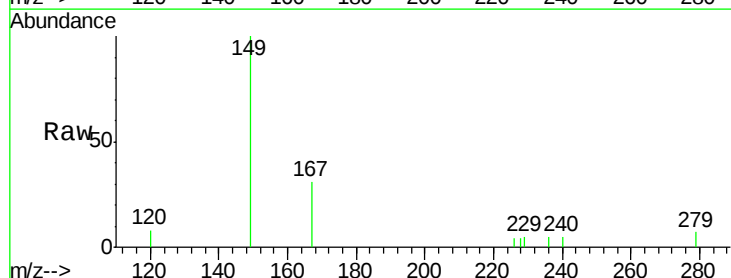
Tgt Ion:149 Resp: 1492

Ion Ratio Lower Upper

149 100

167 24.6 19.8 29.8

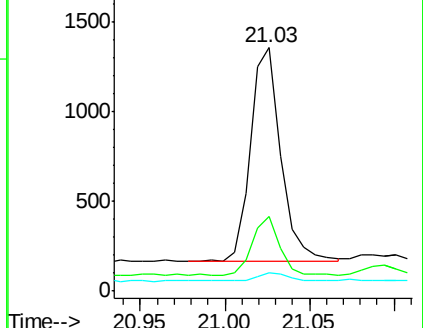
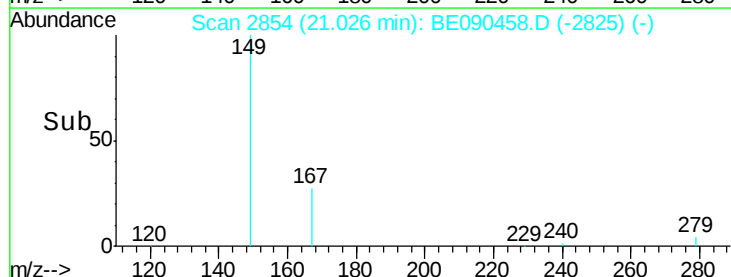
279 3.8 2.4 3.6#

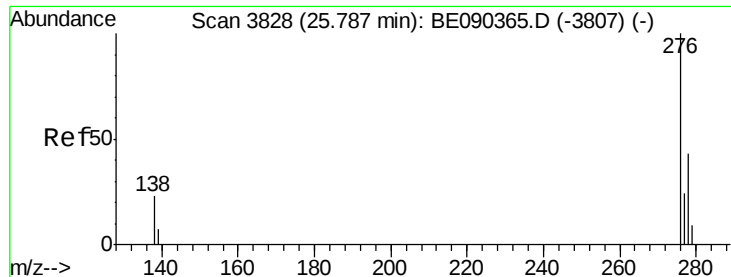


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

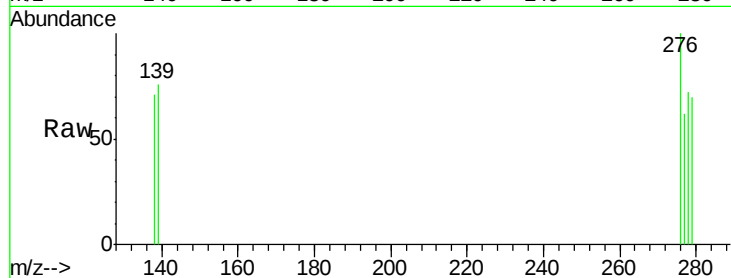




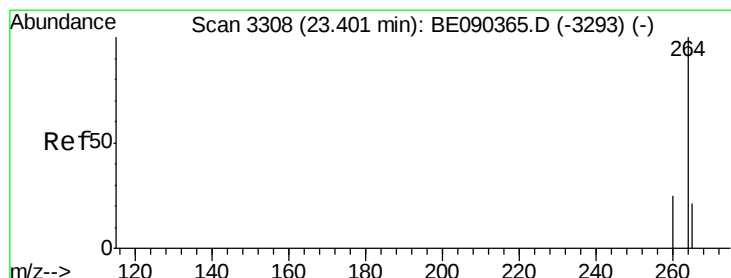
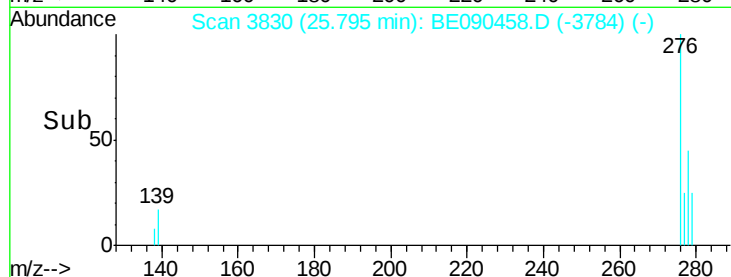
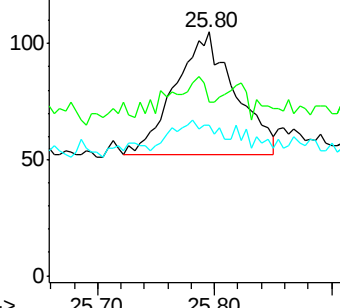
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.80 min Scan# 3830
 Delta R.T. 0.01 min
 Lab File: BE090458.D
 Acq: 12 Aug 2015 9:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 189
 Ion Ratio Lower Upper
 276 100
 138 20.6 18.8 28.2
 277 17.5 18.2 27.4#

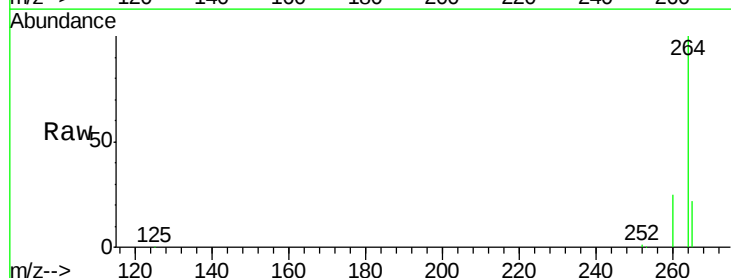


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

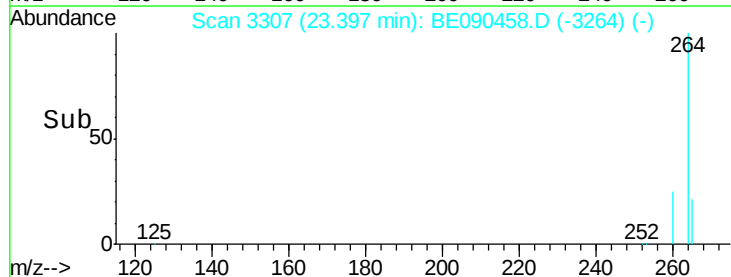
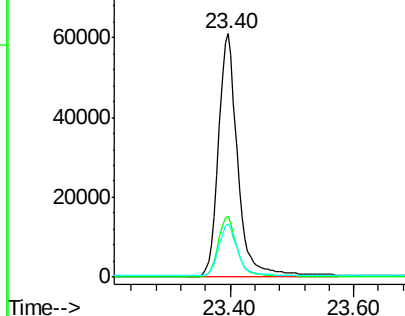


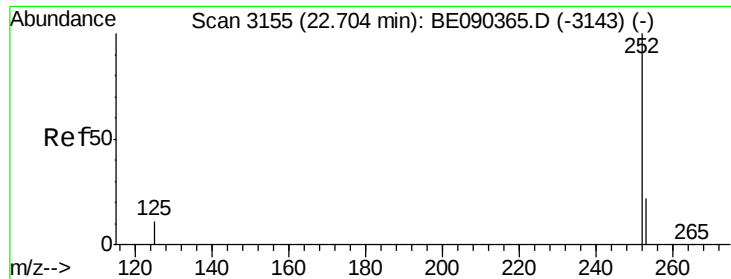
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090458.D
 Acq: 12 Aug 2015 9:25

Tgt Ion:264 Resp: 133445
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 21.9 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





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BE090458.D

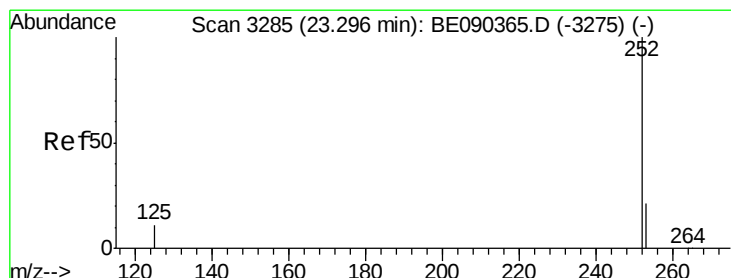
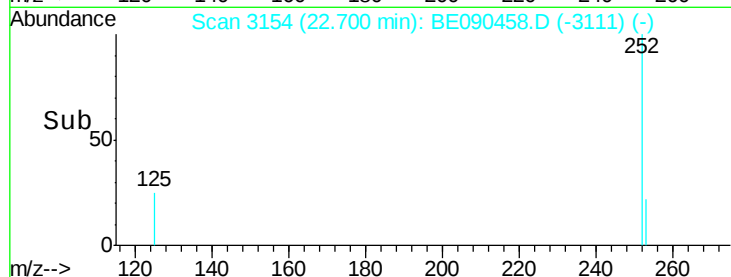
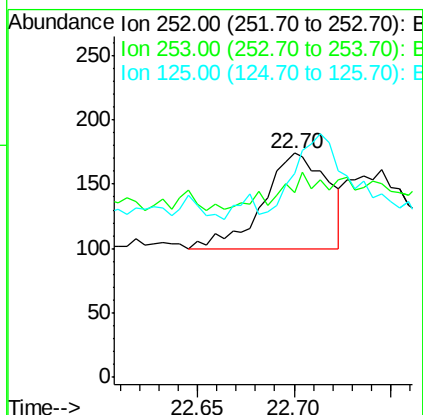
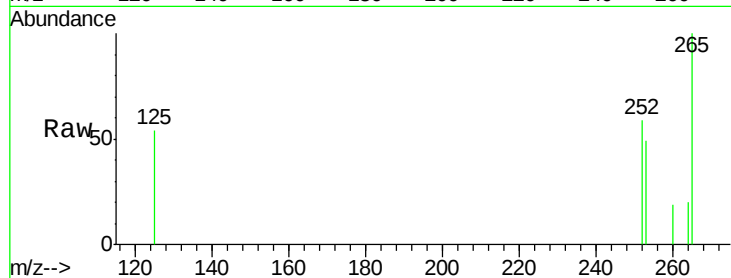
Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	252	Resp:	173
Ion	Ratio	Lower	Upper
252	100		
253	82.2	18.1	27.1#
125	90.8	9.4	14.2#



#35

Benzo(a)pyrene

Concen: 0.23 ng

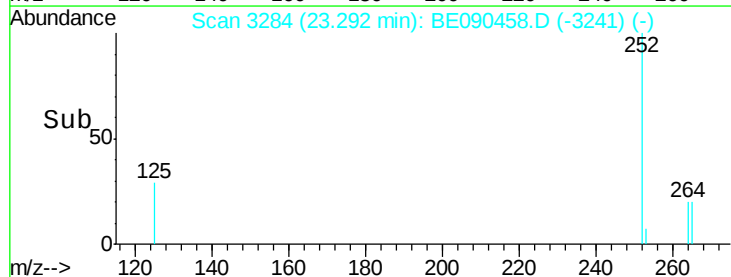
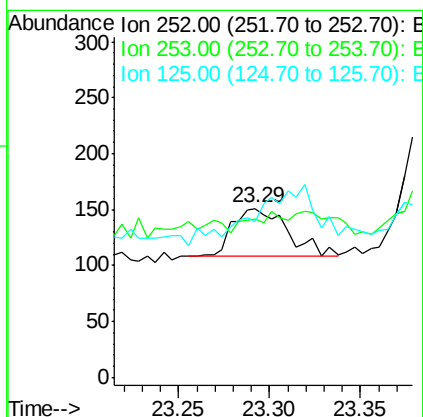
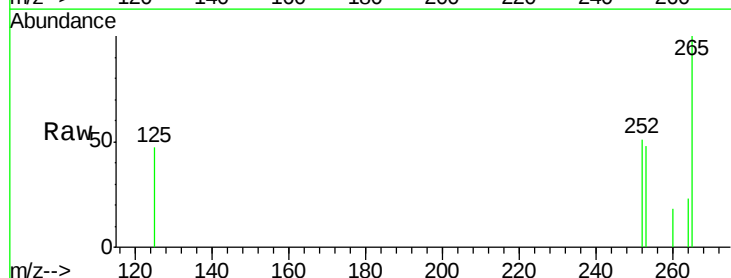
RT: 23.29 min Scan# 3284

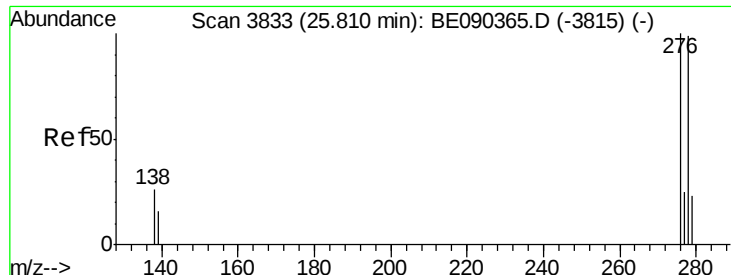
Delta R.T. -0.00 min

Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Tgt Ion:	252	Resp:	92
Ion	Ratio	Lower	Upper
252	100		
253	94.0	17.6	26.4#
125	92.1	9.8	14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3834

Delta R.T. 0.00 min

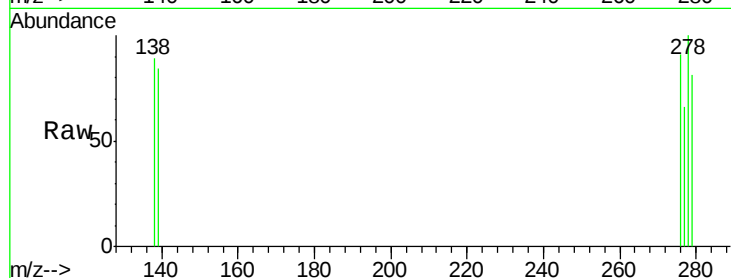
Lab File: BE090458.D

Acq: 12 Aug 2015 9:25

Instrument :

BNA_E

ClientSampleId :



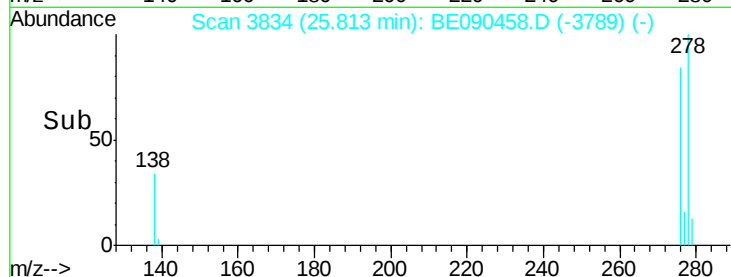
Tot Ion: 278 Resp: 137

Ion Ratio Lower Upper

278 100

139 84.4 14.2 21.4#

279 81.1 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

