

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090450.D
 Acq On : 12 Aug 2015 4:36
 Operator : UM/IZ
 Sample : G3136-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 12 06:48:13 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	19562	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	90202	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	51939	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	124752	5.00	ng	0.00
25) Chrysene-d12	21.09	240	141256	5.00	ng	0.00
32) Perylene-d12	23.40	264	124431	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	13401	4.57	ng	0.00
5) Phenol-d6	6.77	99	12661	2.18	ng	0.00
7) Nitrobenzene-d5	8.73	82	23298	3.25	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	15951	9.31	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	59086	4.14	ng	0.00
27) Terphenyl-d14	19.55	244	117713	5.66	ng	-0.01

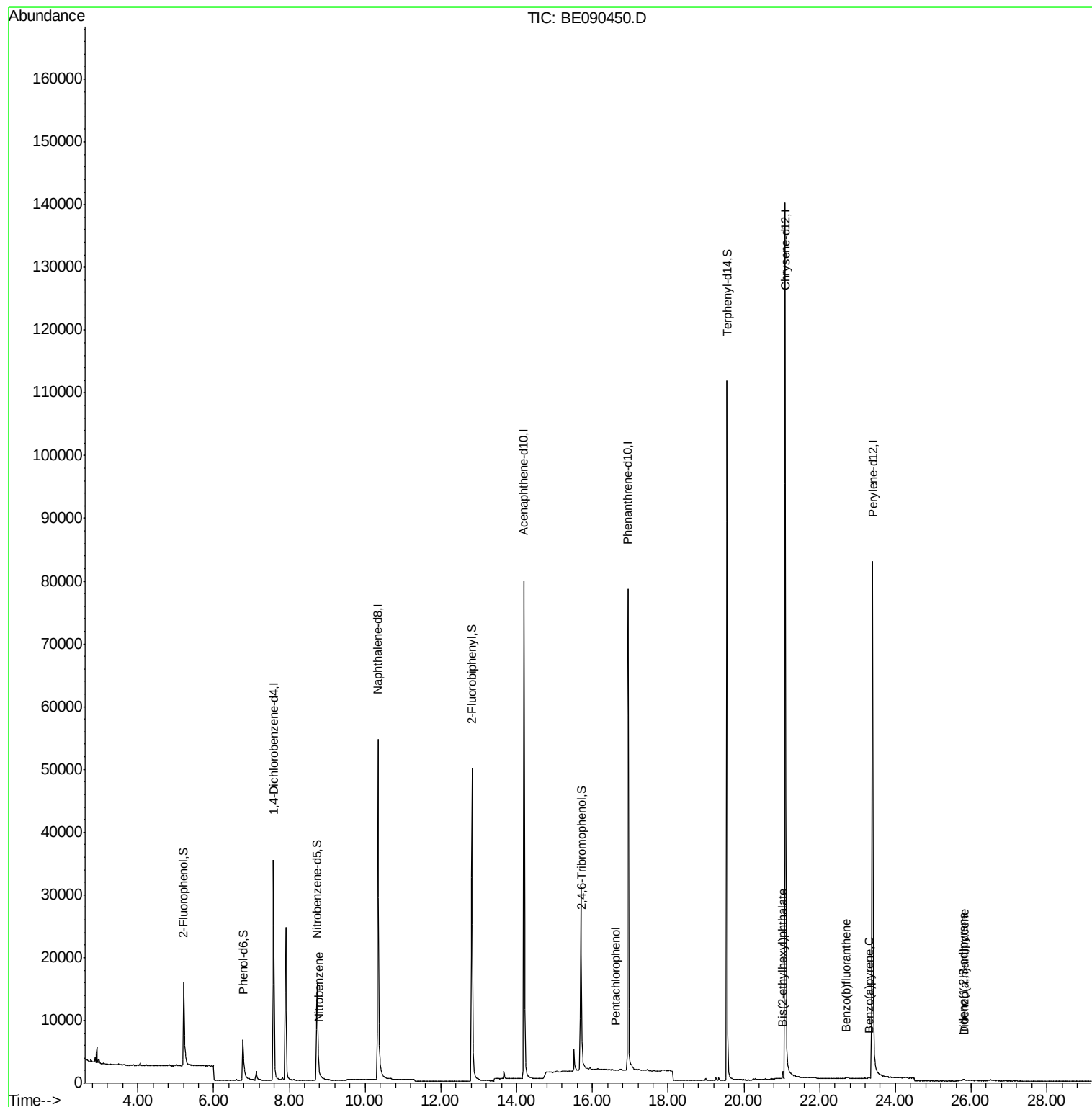
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	29	Below Cal	#	54
8) Nitrobenzene	8.79	77	16	0.21 ng	#	40
10) Hexachlorobutadiene	10.66	225	3	Below Cal	#	1
21) Pentachlorophenol	16.61	266	27	0.12 ng	#	68
30) Bis(2-ethylhexyl)phthalate	21.03	149	1154	0.26 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	534	0.27 ng	#	84
33) Benzo(b)fluoranthene	22.71	252	306	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	237	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	280	0.29 ng	#	29

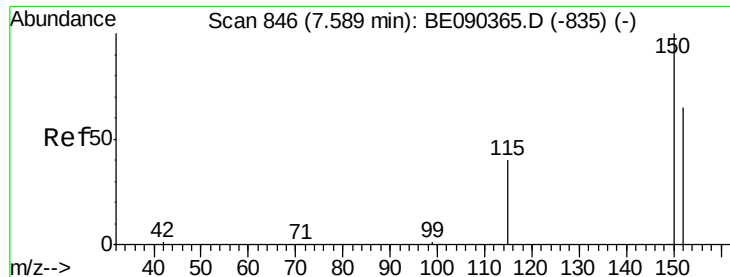
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

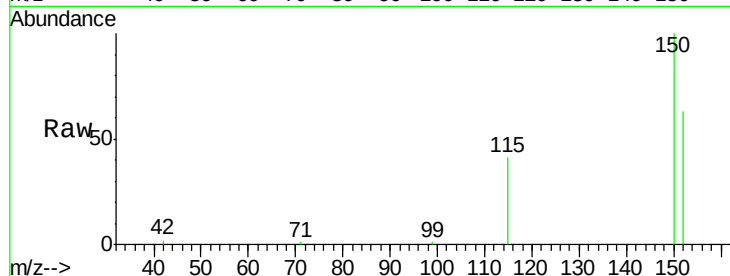
Tgt Ion: 152 Resp: 19562

Ion Ratio Lower Upper

152 100

150 157.6 123.0 184.4

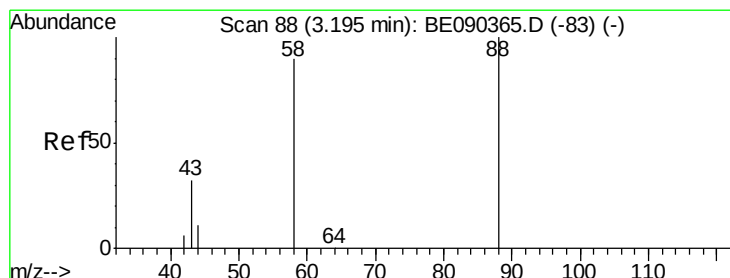
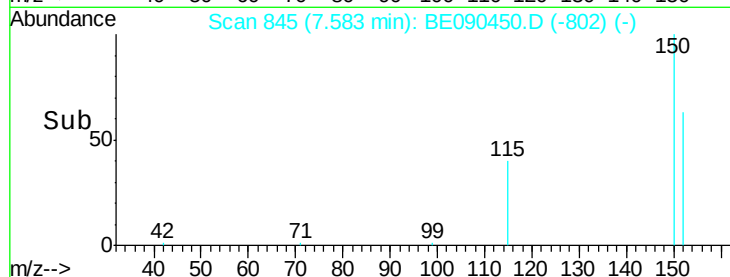
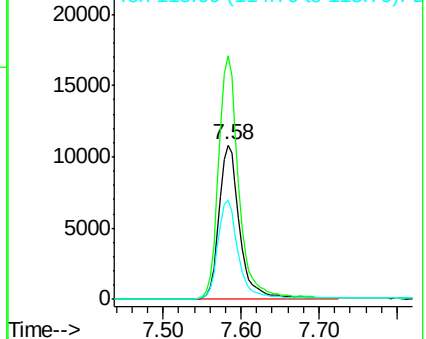
115 64.0 48.9 73.3



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: 3.24 min Scan# 94

Delta R.T. 0.04 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

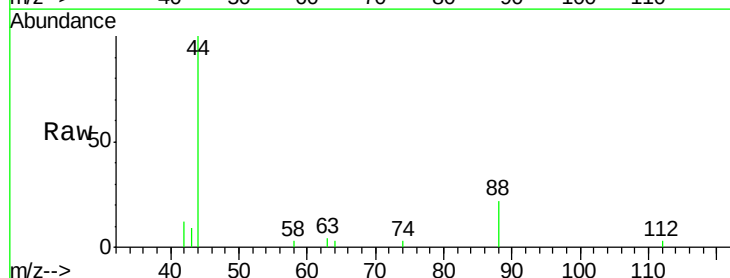
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

58 37.9 70.0 105.0#

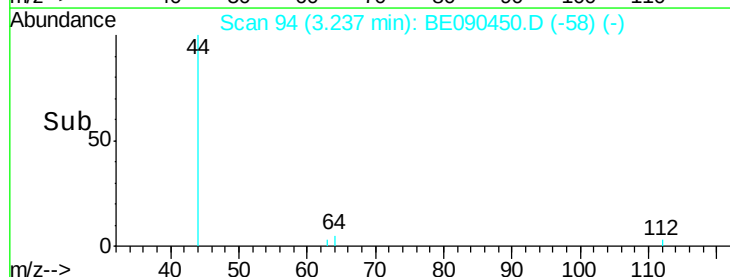
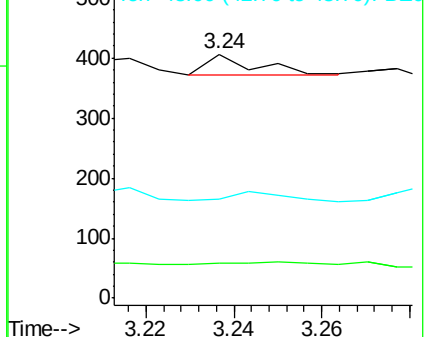
43 51.7 28.4 42.6#

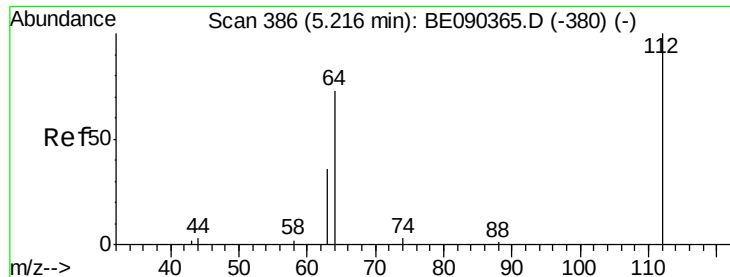


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.57 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

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ClientSampleId :

080715-D534-F-D-M

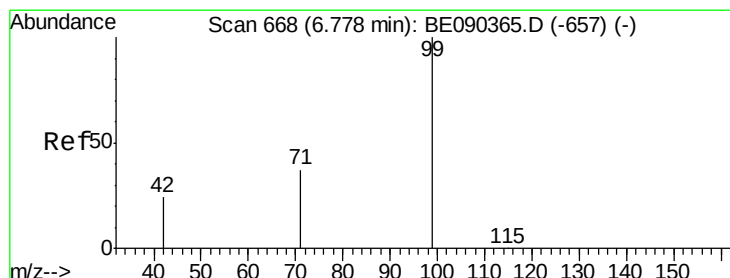
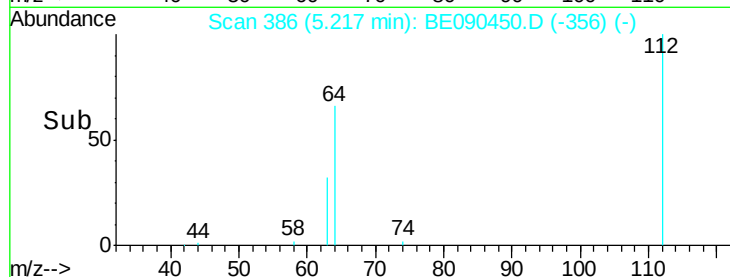
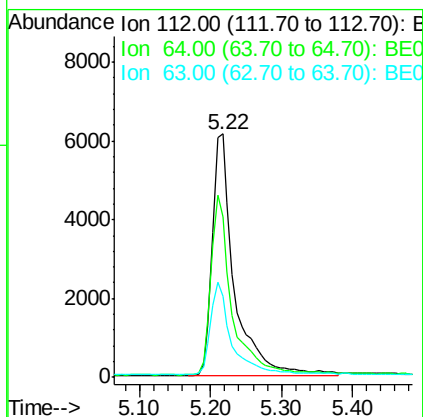
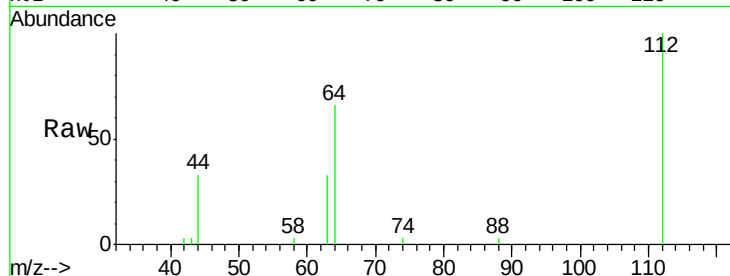
Tgt Ion: 112 Resp: 13401

Ion Ratio Lower Upper

112 100

64 71.5 37.1 55.7#

63 36.4 19.5 29.3#



#5

Phenol-d6

Concen: 2.18 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

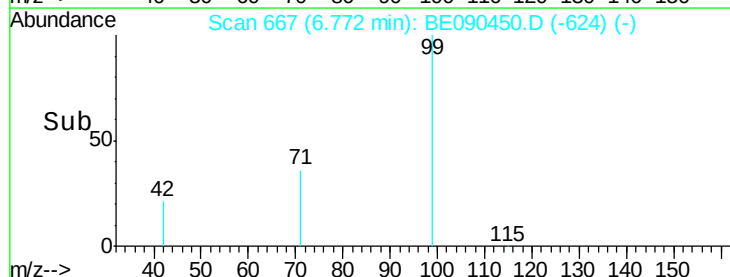
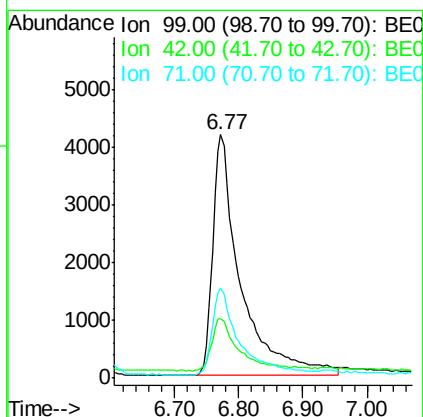
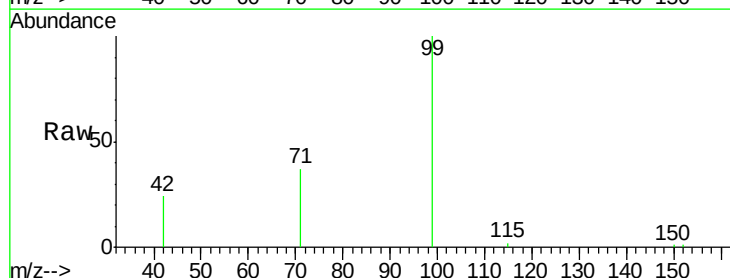
Tgt Ion: 99 Resp: 12661

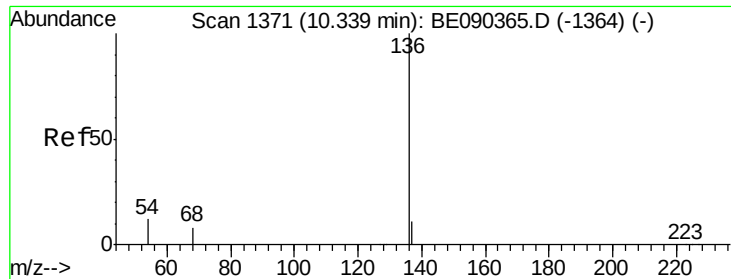
Ion Ratio Lower Upper

99 100

42 22.0 18.2 27.4

71 35.3 27.4 41.0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

Tgt Ion: 136 Resp: 90202

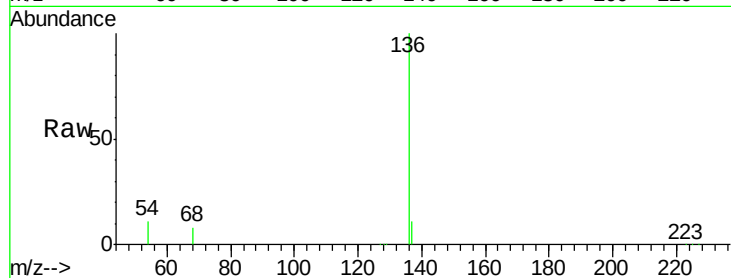
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.4 9.4 14.0

68 8.1 6.5 9.7

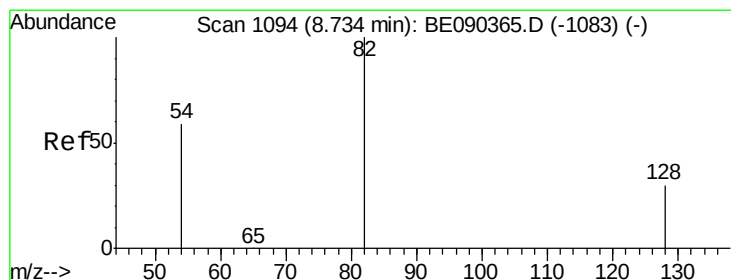
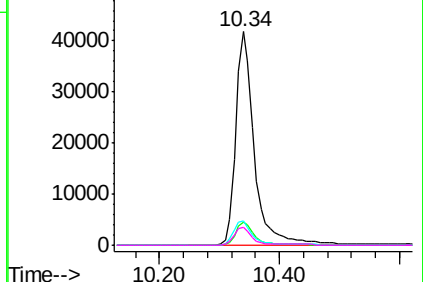
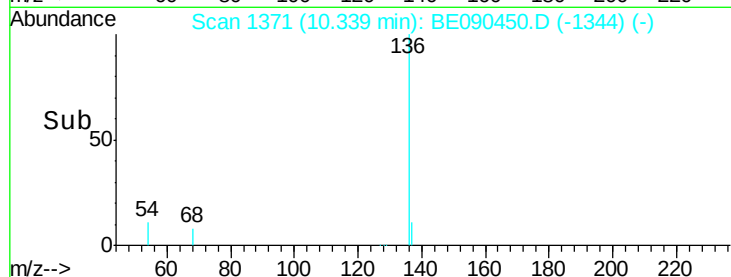


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.25 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

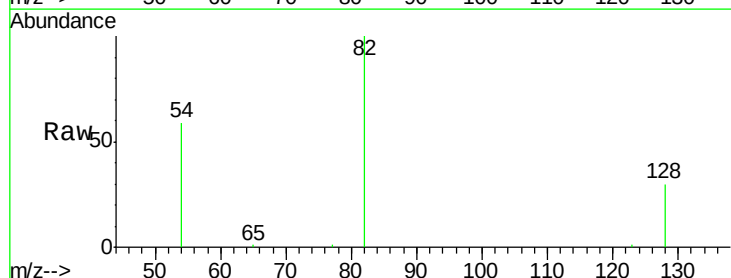
Tgt Ion: 82 Resp: 23298

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.6

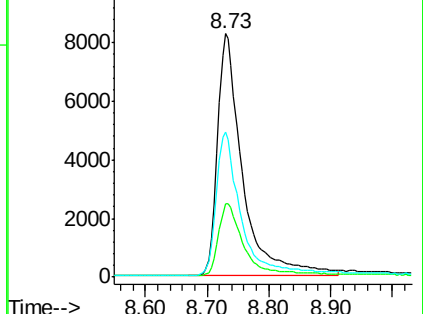
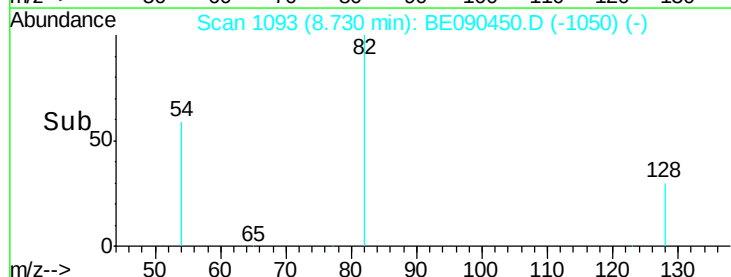
54 59.5 48.8 73.2

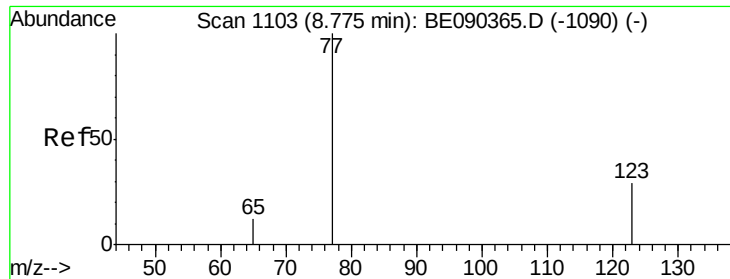


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.79 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

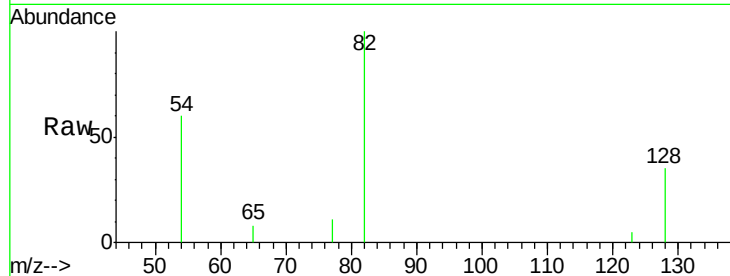
Tgt Ion: 77 Resp: 16

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

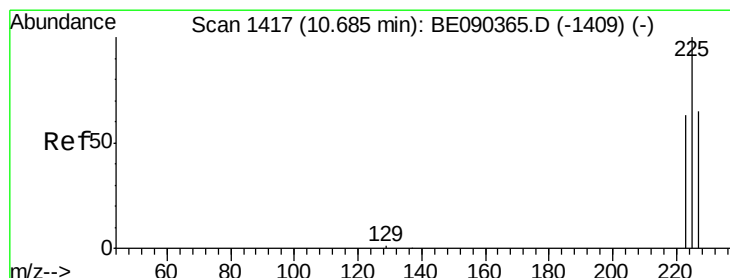
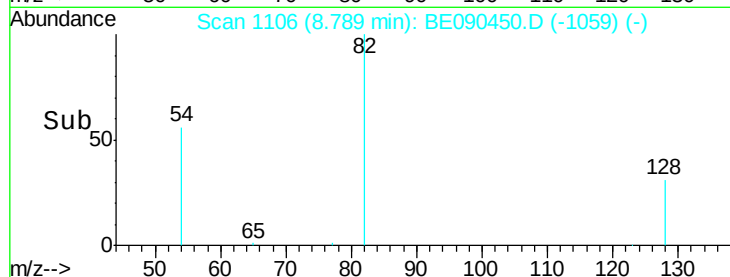
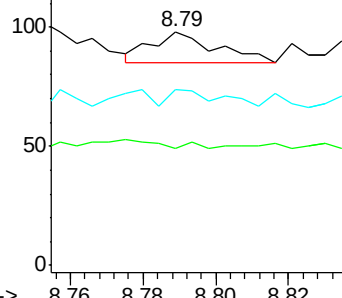
65 37.5 9.3 13.9#



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: 10.66 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

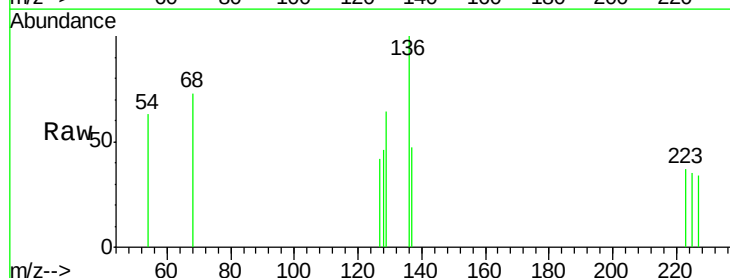
Tgt Ion: 225 Resp: 3

Ion Ratio Lower Upper

225 100

223 166.7 50.6 75.8#

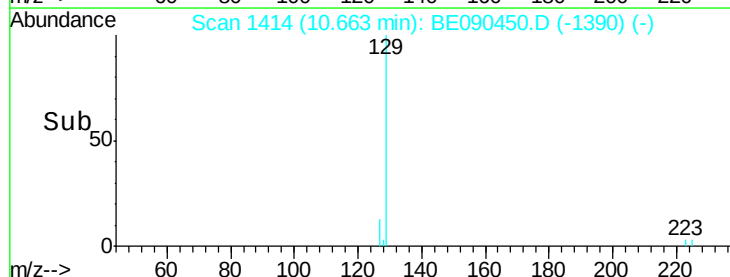
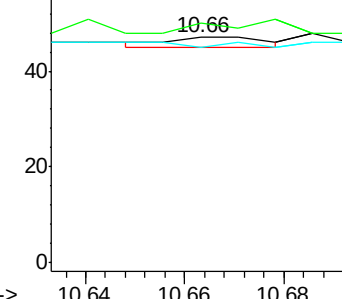
227 0.0 50.7 76.1#

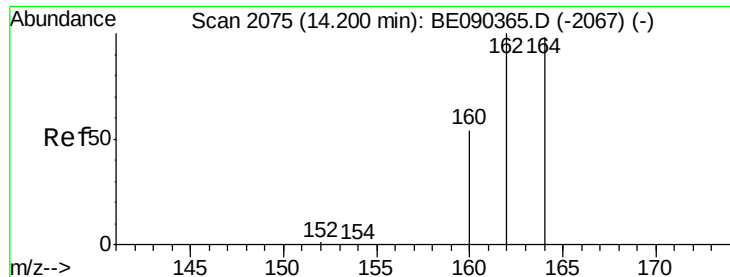


Abundance Ion 225.00 (224.70 to 225.70): E

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: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

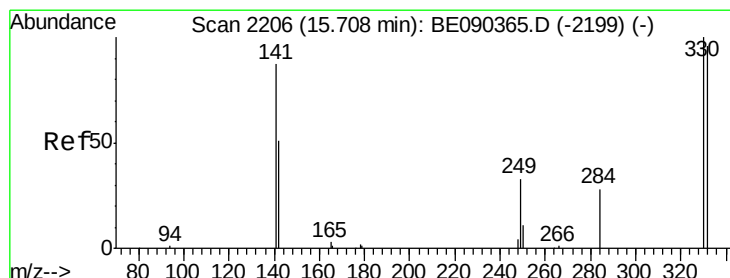
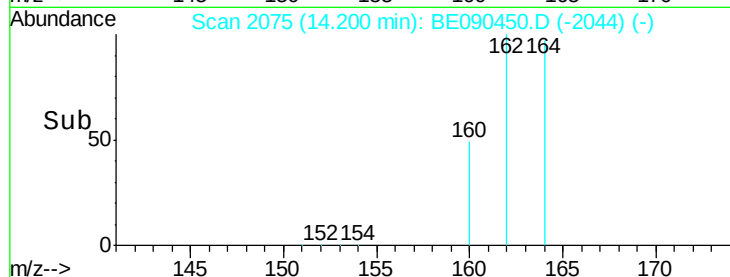
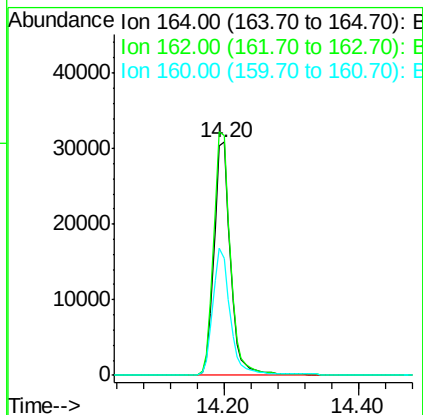
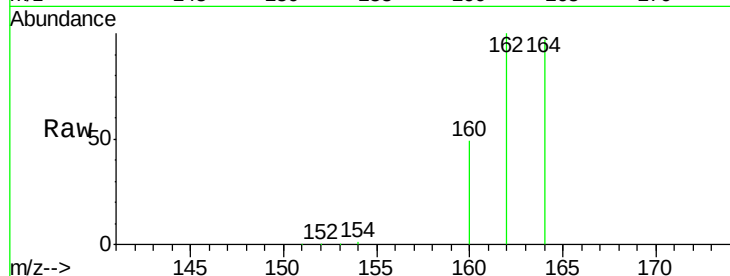
Tgt Ion:164 Resp: 51939

Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.8

160 50.2 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 9.31 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

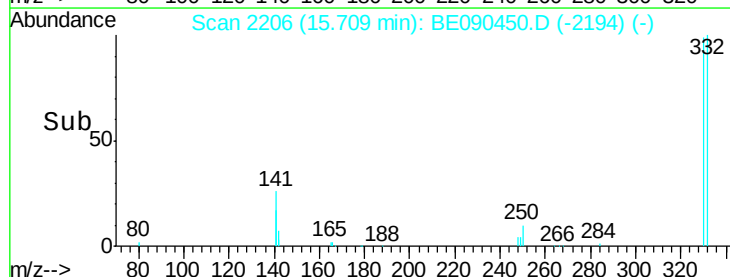
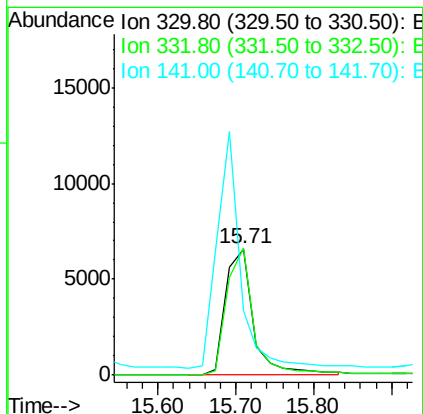
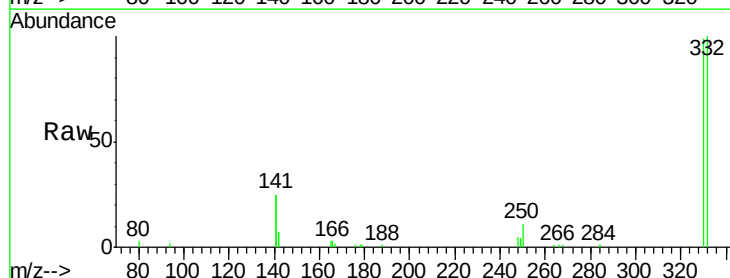
Tgt Ion:330 Resp: 15951

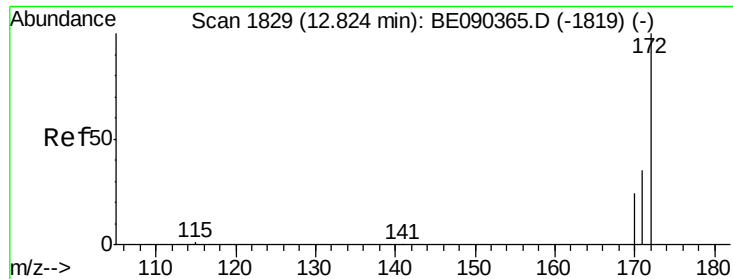
Ion Ratio Lower Upper

330 100

332 96.6 75.8 113.6

141 156.3 114.4 171.6

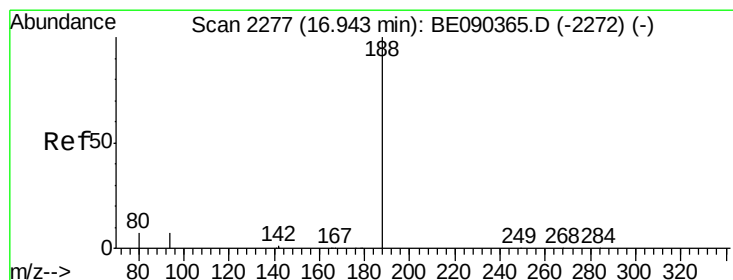
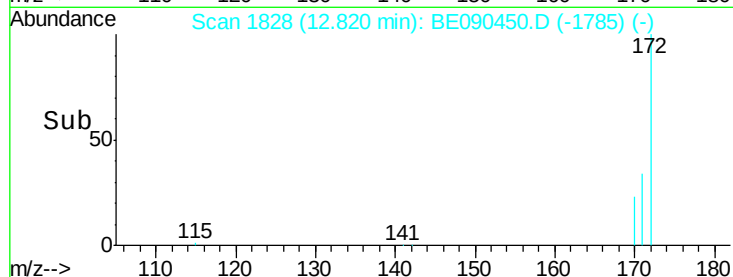
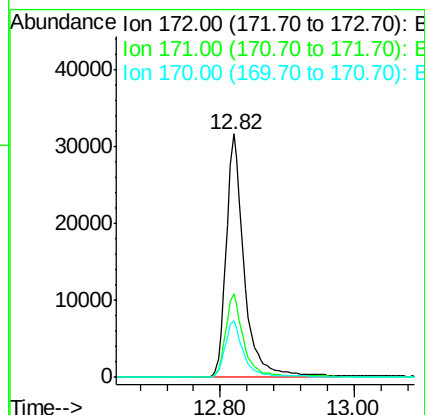
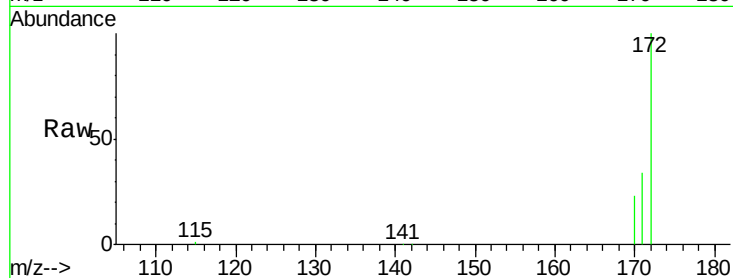




#14
2-Fluorobiphenyl
Concen: 4.14 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

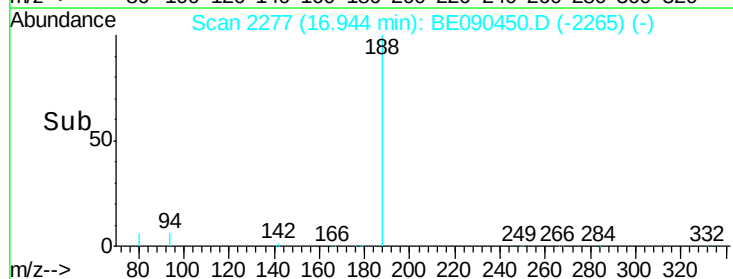
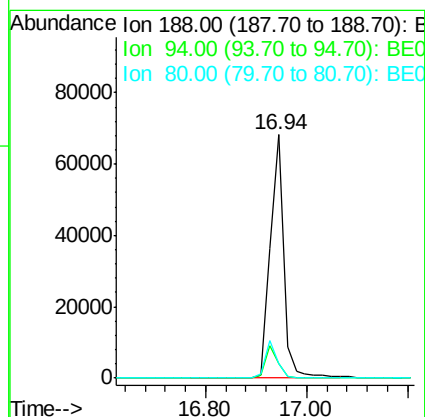
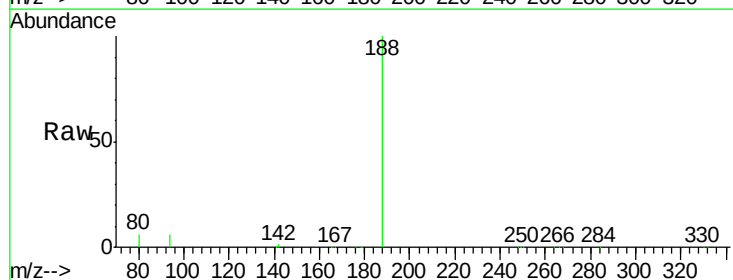
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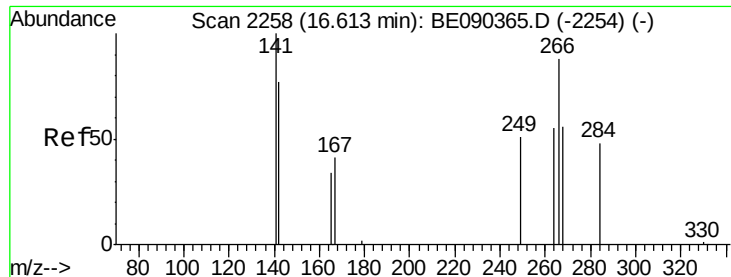
Tgt Ion:172 Resp: 59086
Ion Ratio Lower Upper
172 100
171 34.2 28.5 42.7
170 23.2 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:188 Resp: 124752
Ion Ratio Lower Upper
188 100
94 5.7 5.7 8.5
80 6.0 5.8 8.8





#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

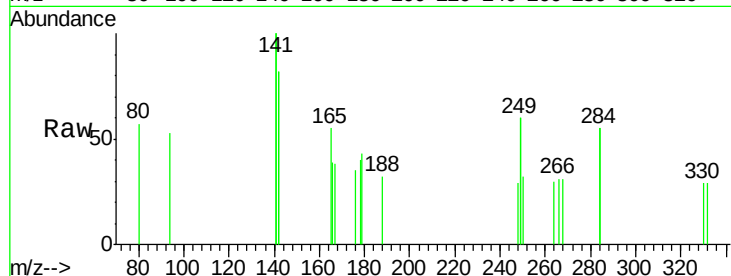
Tgt Ion: 266 Resp: 27

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

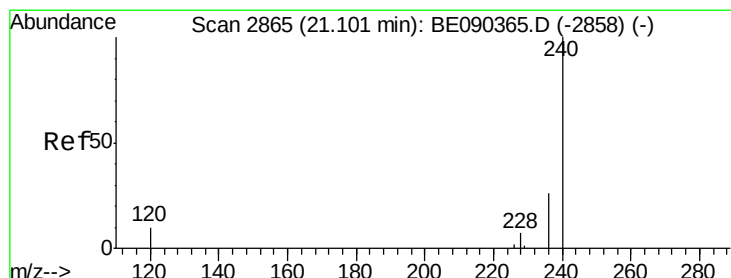
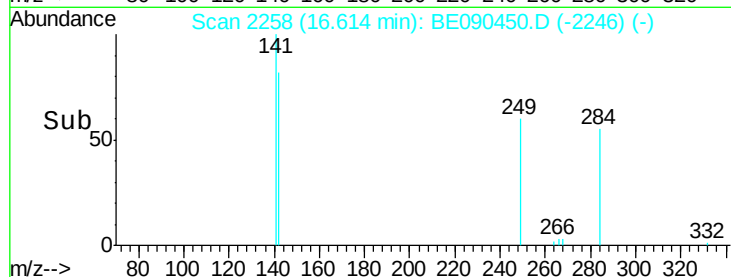
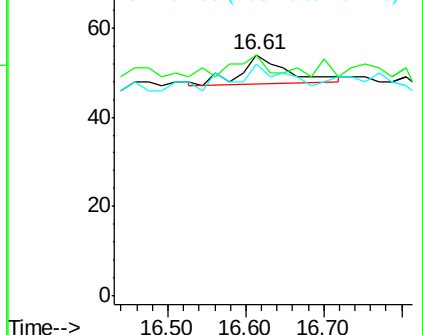
264 96.3 56.0 84.0#



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: BE090450.D

Acq: 12 Aug 2015 4:36

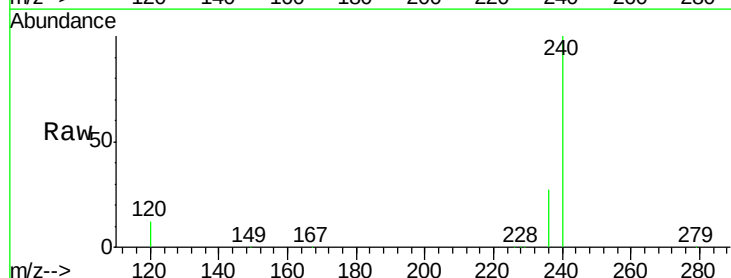
Tgt Ion: 240 Resp: 141256

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

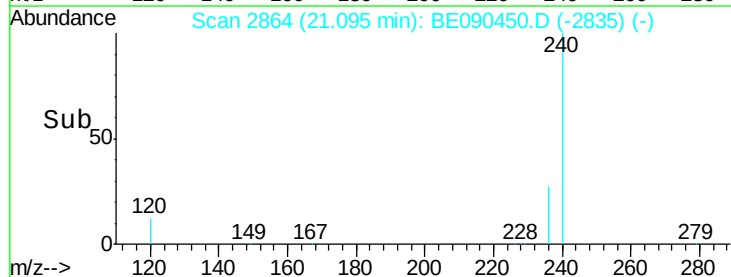
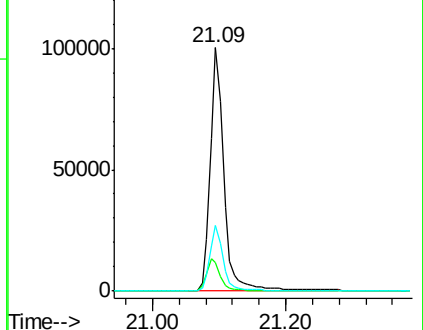
236 27.1 21.0 31.4

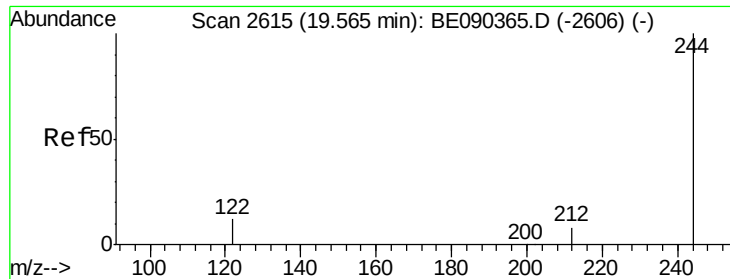


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 5.66 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

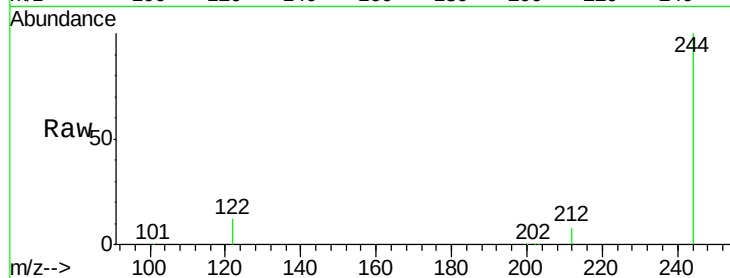
Tgt Ion:244 Resp: 117713

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

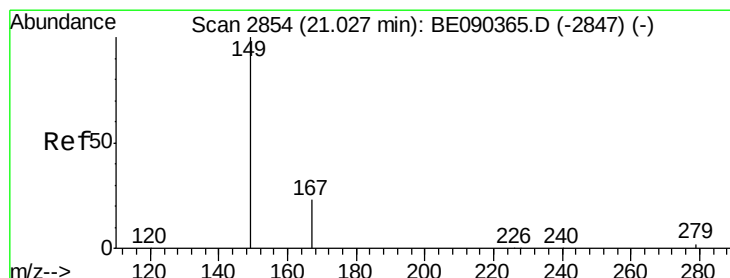
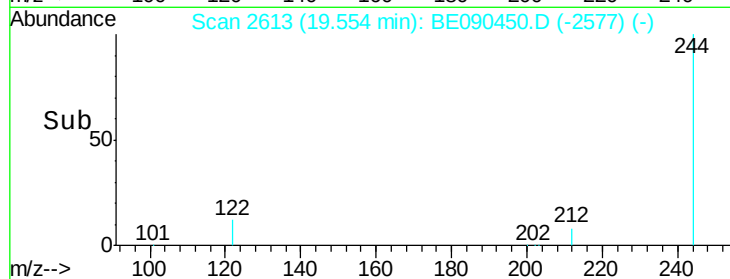
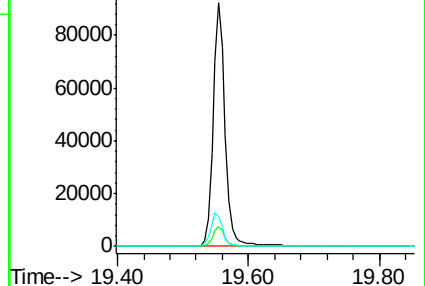
122 12.4 10.2 15.4



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: 0.26 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

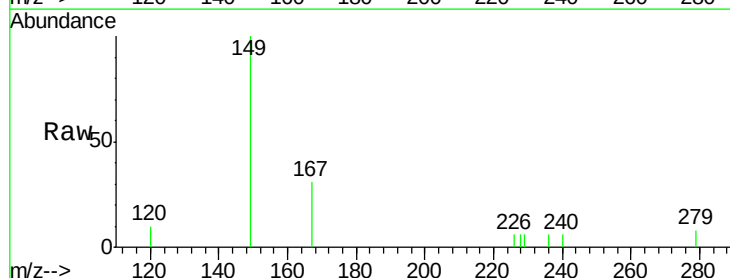
Tgt Ion:149 Resp: 1154

Ion Ratio Lower Upper

149 100

167 24.1 19.8 29.8

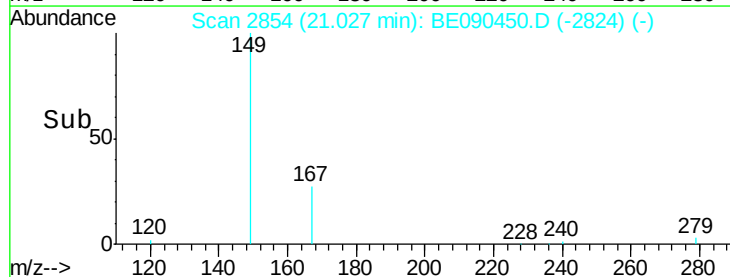
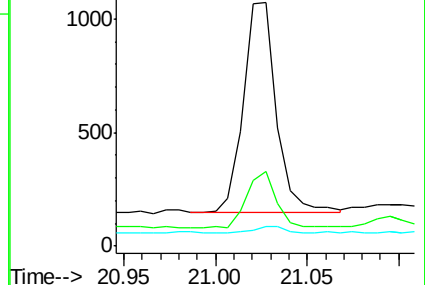
279 2.9 2.4 3.6

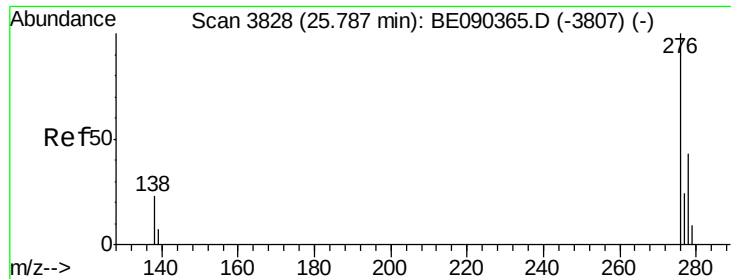


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.27 ng

RT: 25.79 min Scan# 3829

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

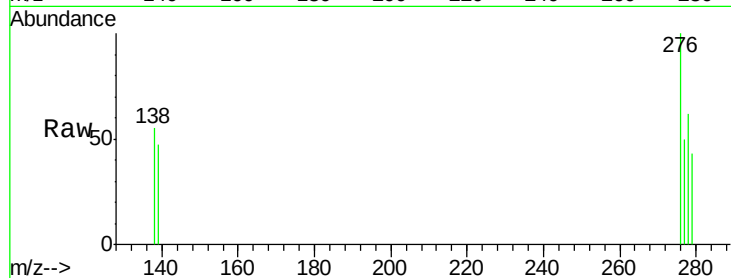
Tgt Ion:276 Resp: 534

Ion Ratio Lower Upper

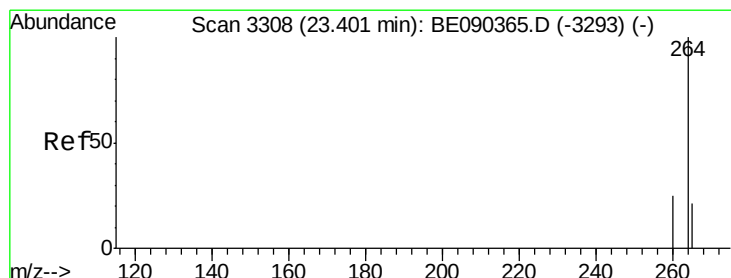
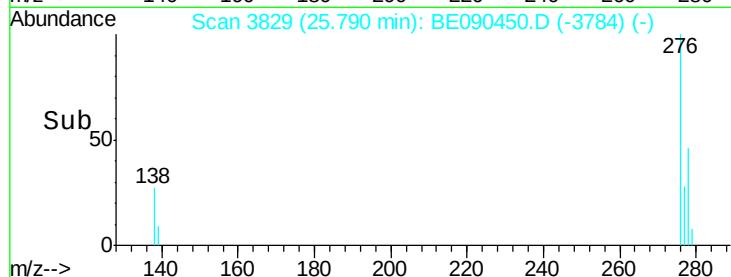
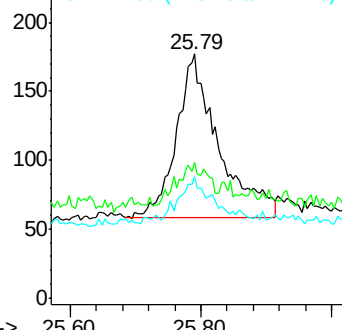
276 100

138 12.5 18.8 28.2#

277 18.5 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: BE090450.D

Acq: 12 Aug 2015 4:36

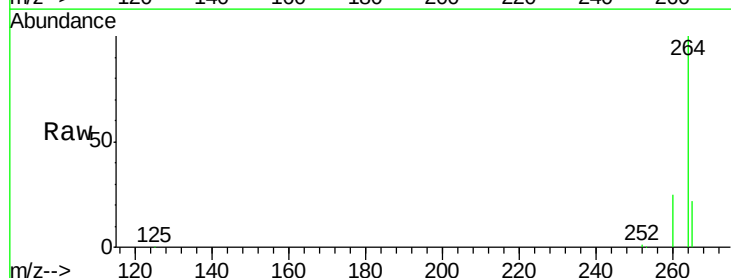
Tgt Ion:264 Resp: 124431

Ion Ratio Lower Upper

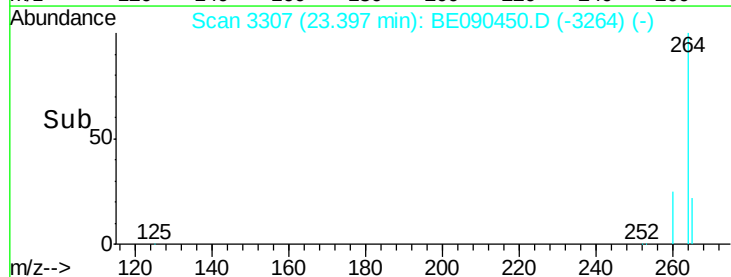
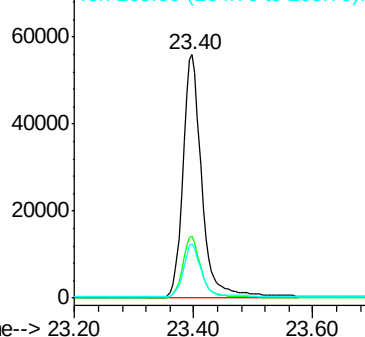
264 100

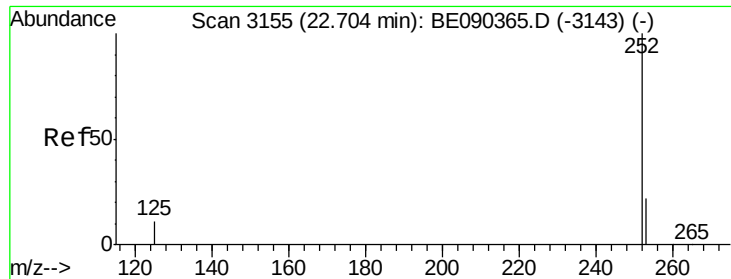
260 25.2 20.1 30.1

265 22.2 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: 22.71 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M

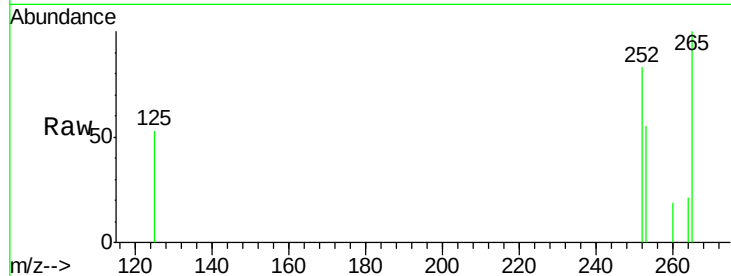
Tgt Ion: 252 Resp: 306

Ion Ratio Lower Upper

252 100

253 66.7 18.1 27.1#

125 63.7 9.4 14.2#



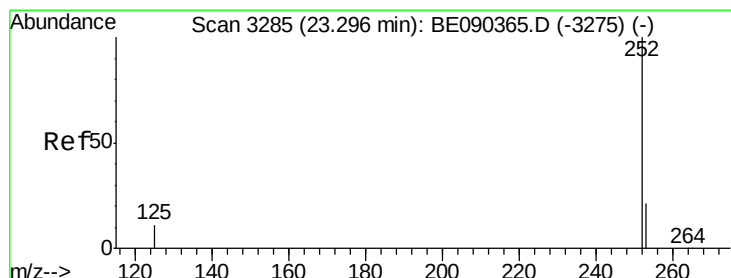
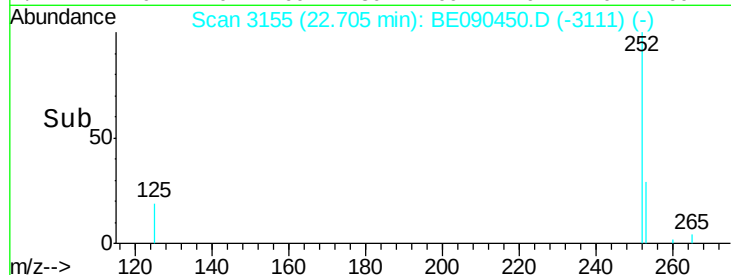
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

22.65 22.70 22.75



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090450.D

Acq: 12 Aug 2015 4:36

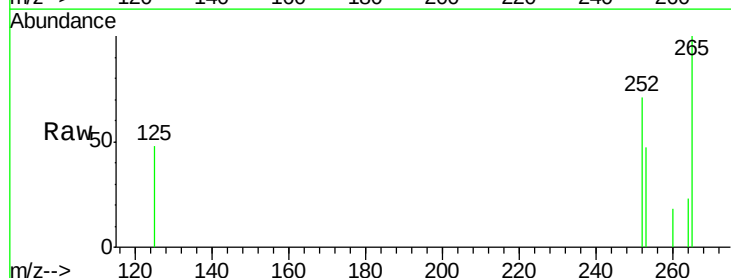
Tgt Ion: 252 Resp: 237

Ion Ratio Lower Upper

252 100

253 66.7 17.6 26.4#

125 68.6 9.8 14.6#



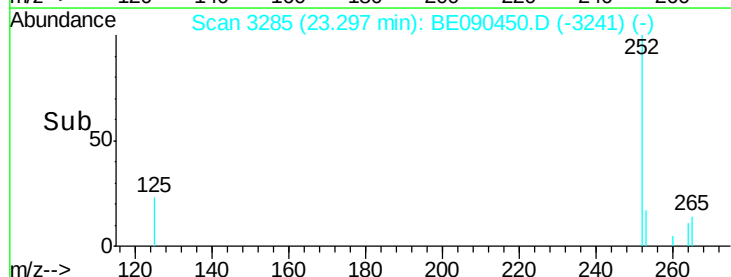
Abundance Ion 252.00 (251.70 to 252.70): E

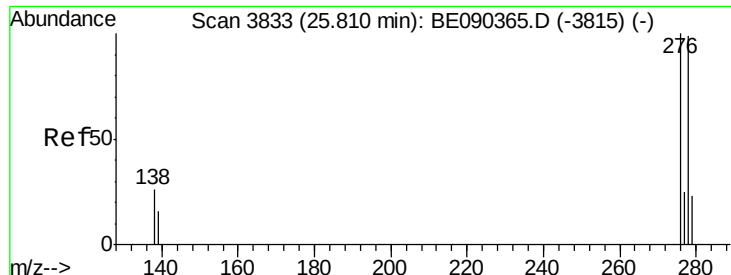
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

23.25 23.30 23.35





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3834

Delta R.T. 0.00 min

Lab File: BE090450.D

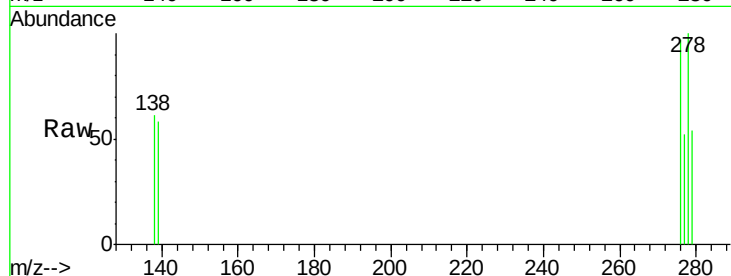
Acq: 12 Aug 2015 4:36

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-D-M



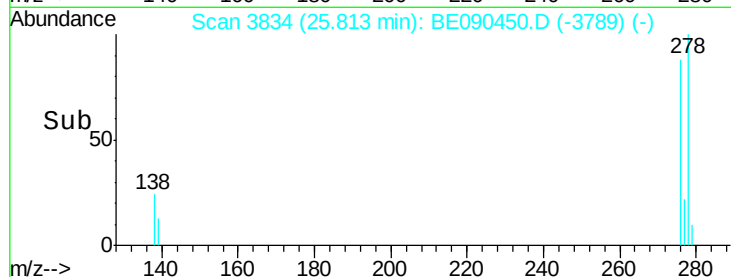
Tgt Ion: 278 Resp: 280

Ion Ratio Lower Upper

278 100

139 58.0 14.2 21.4#

279 53.8 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

