

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090442.D
 Acq On : 11 Aug 2015 23:37
 Operator : UM/IZ
 Sample : G3135-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 081015-D506-F-U-S

Quant Time: Aug 12 04:15:56 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	22702	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	104958	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	60646	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	140290	5.00	ng	0.00
25) Chrysene-d12	21.10	240	164317	5.00	ng	0.00
32) Perylene-d12	23.40	264	147576	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	15225	4.47	ng	0.00
5) Phenol-d6	6.77	99	13464	2.01	ng	0.00
7) Nitrobenzene-d5	8.73	82	25956	3.12	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	16145	8.47	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	63144	3.79	ng	0.00
27) Terphenyl-d14	19.55	244	119267	4.93	ng	-0.01

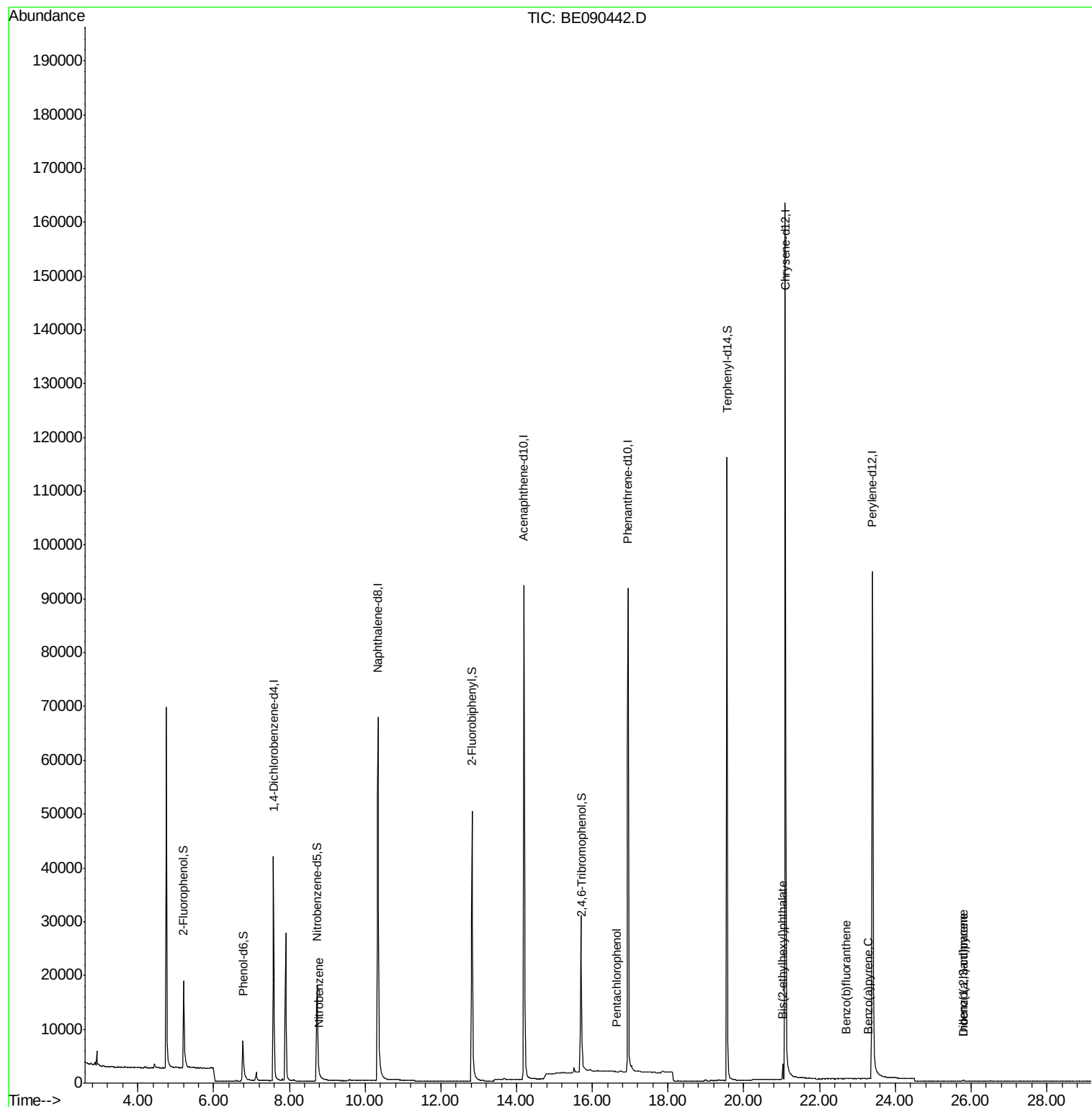
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	56	Below Cal	#	38
8) Nitrobenzene	8.80	77	8	0.21 ng	#	22
10) Hexachlorobutadiene	10.71	225	3	Below Cal	#	19
21) Pentachlorophenol	16.63	266	10	0.10 ng	#	66
30) Bis(2-ethylhexyl)phthalate	21.03	149	2518	0.40 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	57	0.25 ng	#	57
33) Benzo(b)fluoranthene	22.70	252	119	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	87	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	112	0.29 ng	#	1

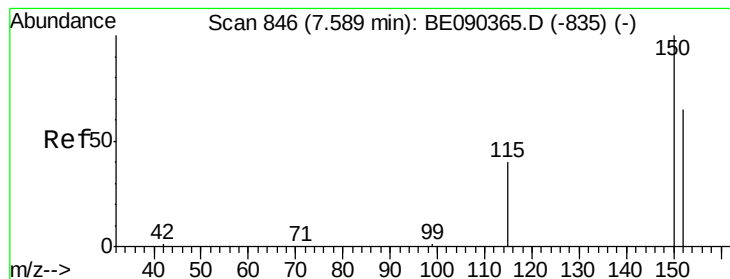
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 12 04:15:56 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

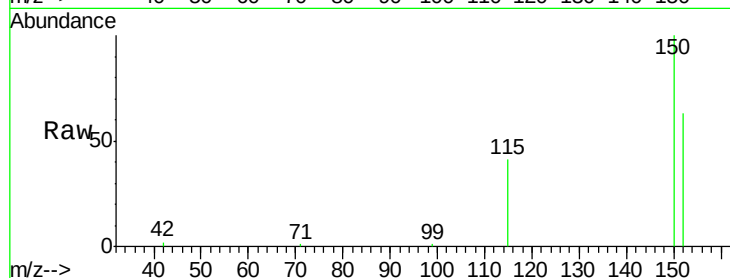
Tgt Ion:152 Resp: 22702

Ion Ratio Lower Upper

152 100

150 157.5 123.0 184.4

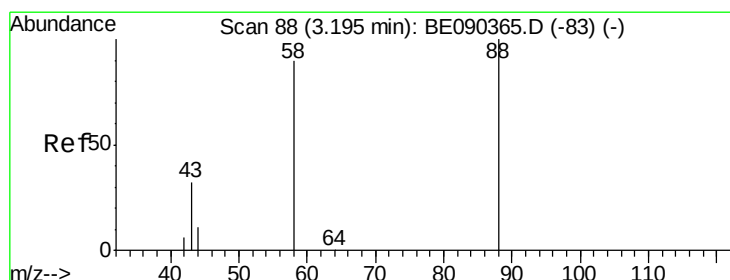
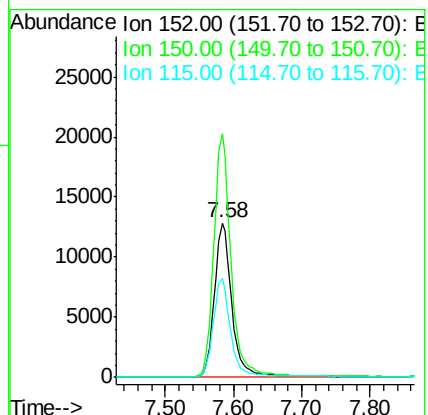
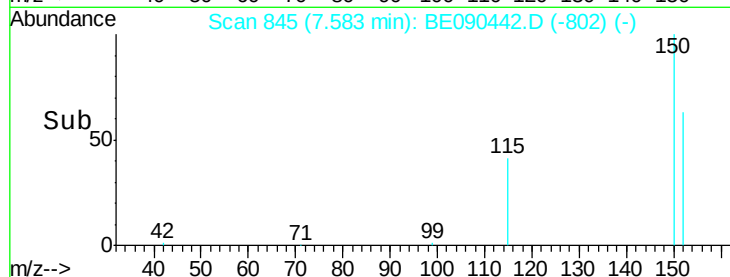
115 64.3 48.9 73.3



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: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

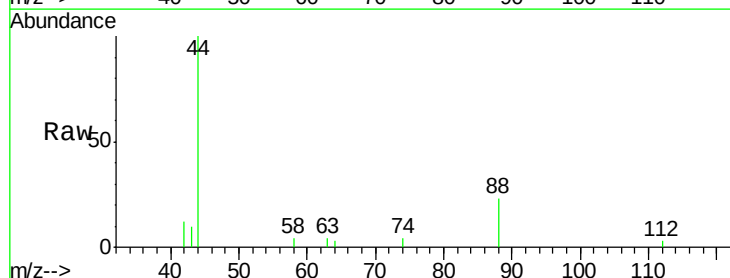
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

58 44.6 70.0 105.0#

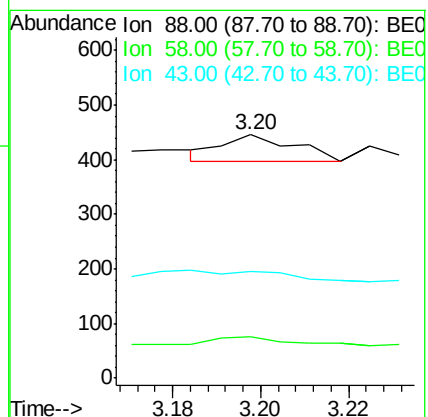
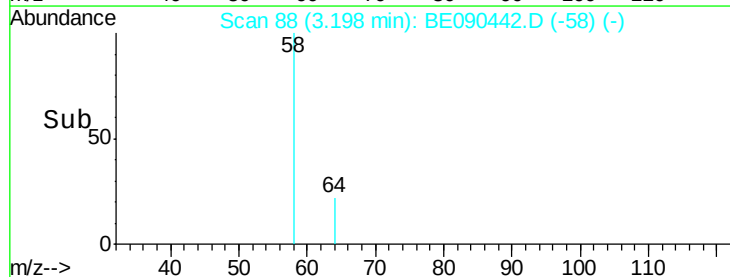
43 94.6 28.4 42.6#

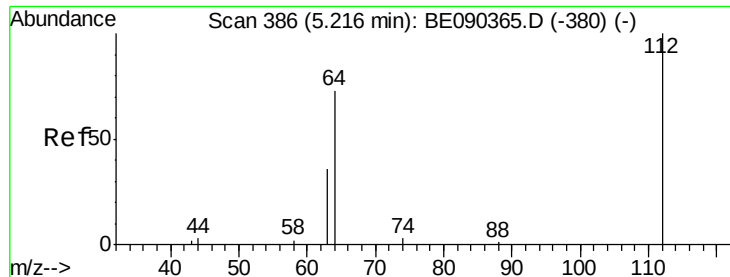


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.47 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

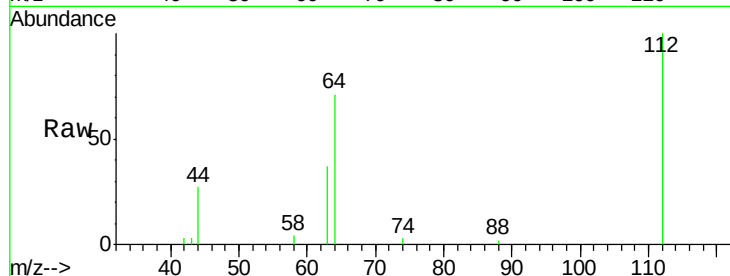
Tgt Ion: 112 Resp: 15225

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

63 36.7 19.5 29.3#



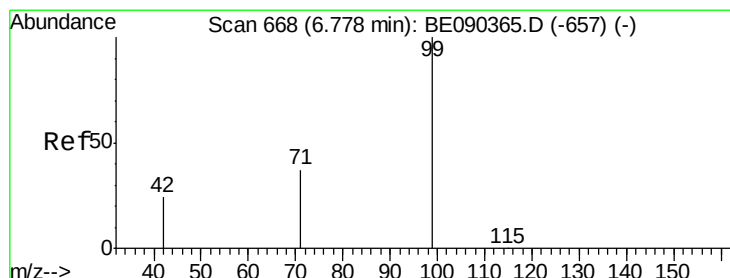
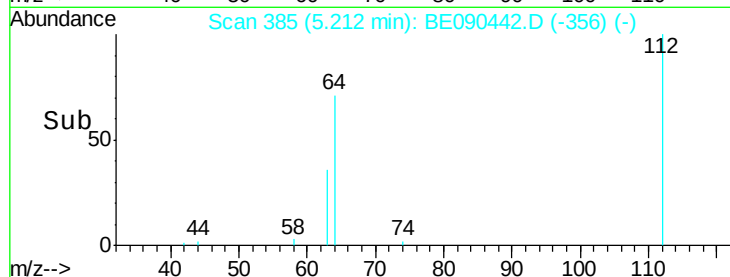
Abundance Ion 112.00 (111.70 to 112.70): BE090442.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090442.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090442.D (-356) (-)

5.21

Time-->



#5

Phenol-d6

Concen: 2.01 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

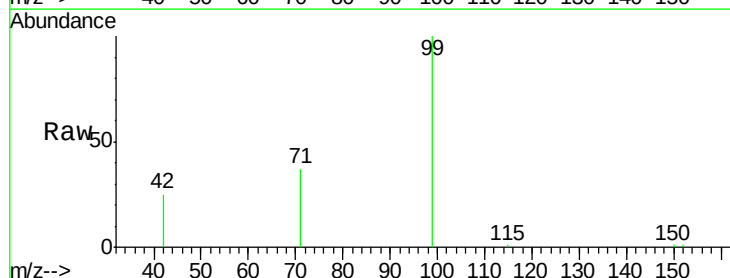
Tgt Ion: 99 Resp: 13464

Ion Ratio Lower Upper

99 100

42 21.2 18.2 27.4

71 35.5 27.4 41.0



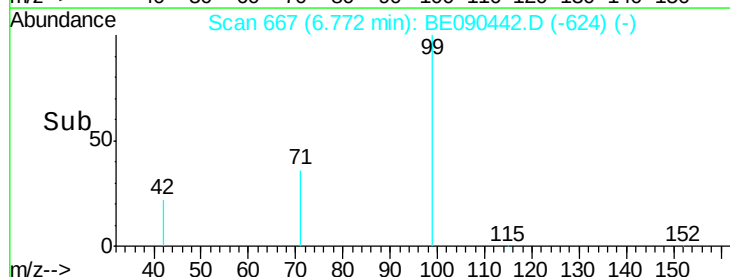
Abundance Ion 99.00 (98.70 to 99.70): BE090442.D (-624) (-)

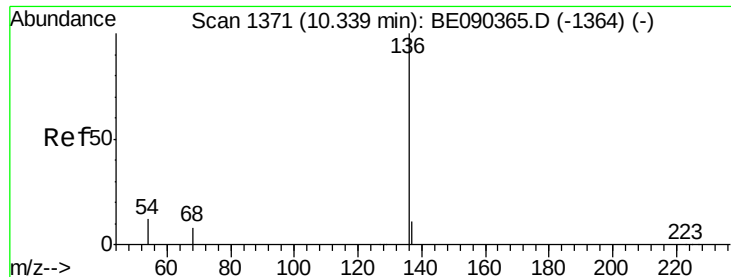
Ion 42.00 (41.70 to 42.70): BE090442.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090442.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: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

Tgt Ion: 136 Resp: 104958

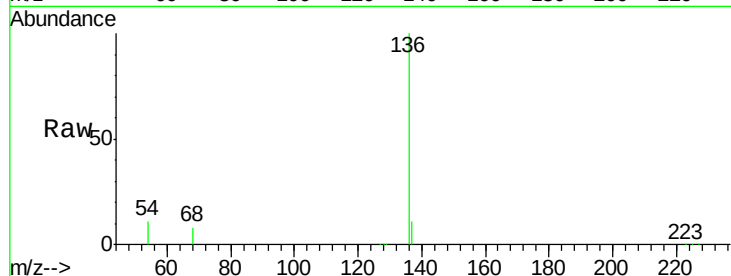
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.1 9.4 14.0

68 8.1 6.5 9.7

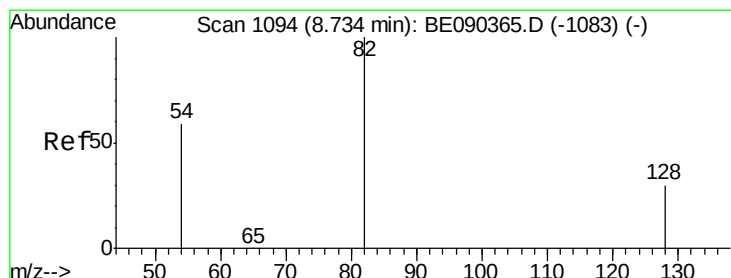
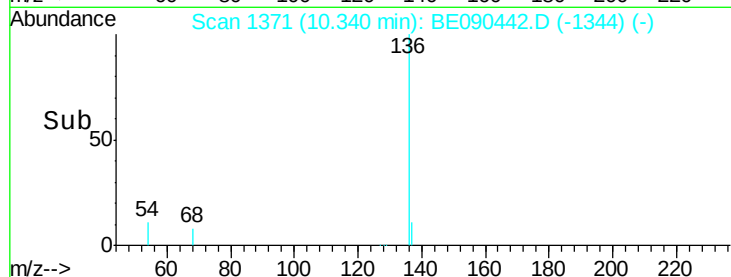
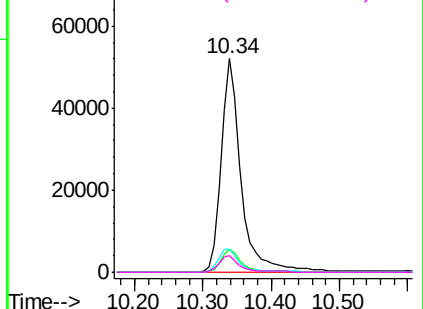


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.12 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

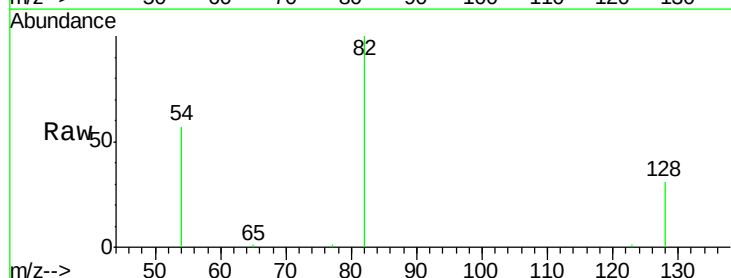
Tgt Ion: 82 Resp: 25956

Ion Ratio Lower Upper

82 100

128 31.1 25.0 37.6

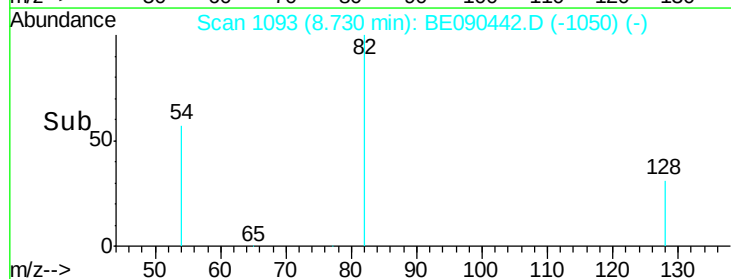
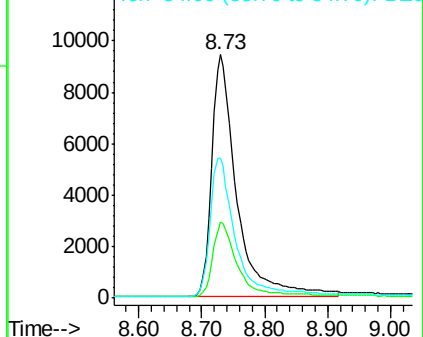
54 57.5 48.8 73.2

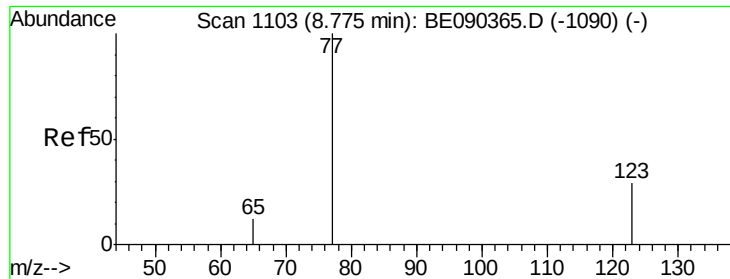


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.80 min Scan# 1108

Delta R.T. 0.02 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

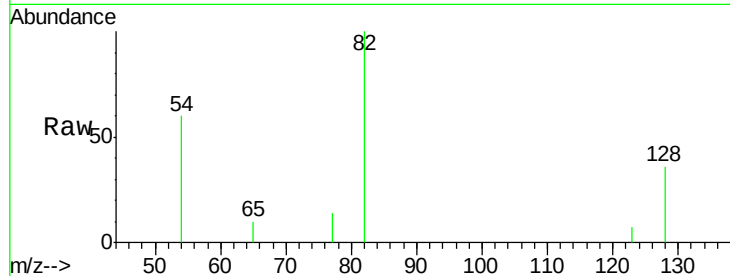
Tgt Ion: 77 Resp: 8

Ion Ratio Lower Upper

77 100

123 12.5 25.1 37.7#

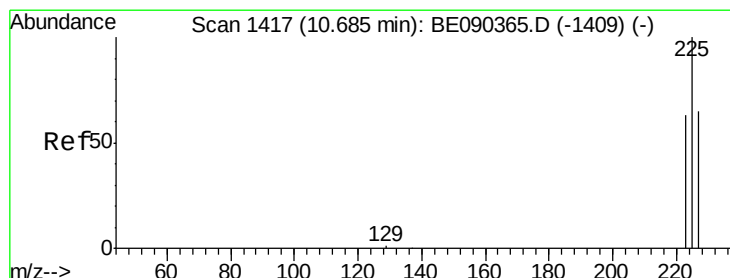
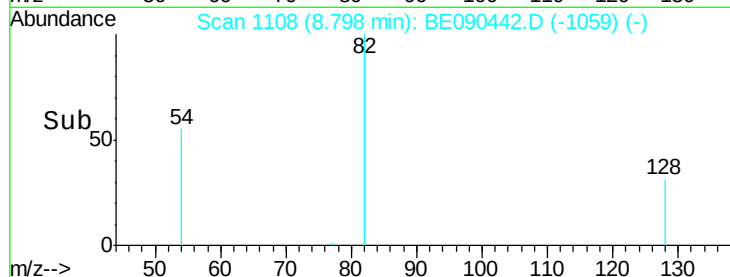
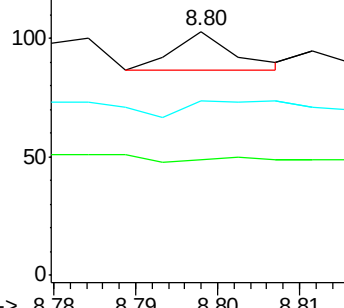
65 87.5 9.3 13.9#



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: 10.71 min Scan# 1420

Delta R.T. 0.02 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

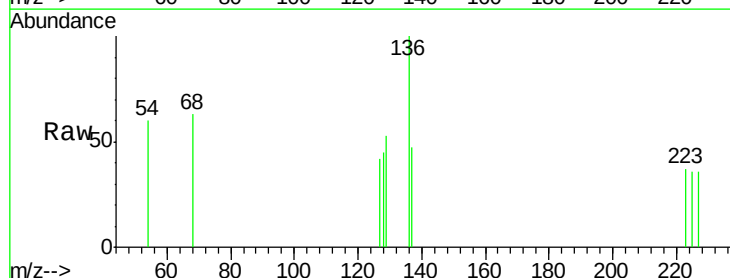
Tgt Ion: 225 Resp: 3

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

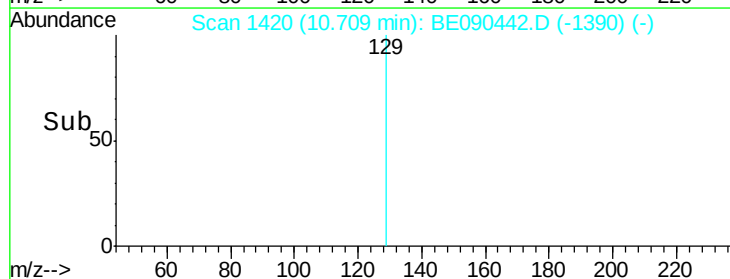
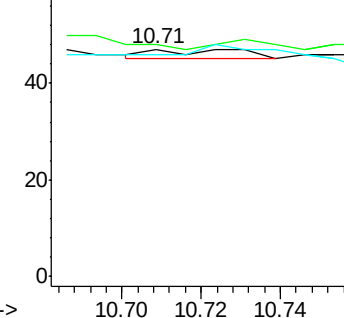
227 0.0 50.7 76.1#

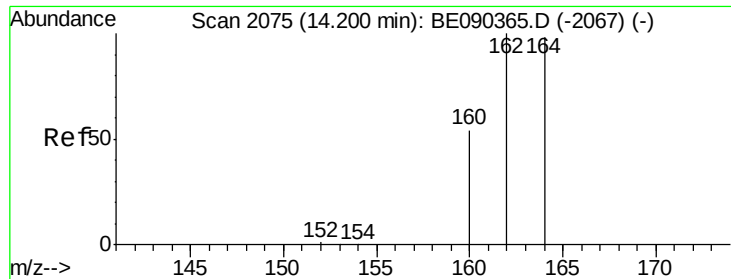


Abundance Ion 225.00 (224.70 to 225.70): E

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: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

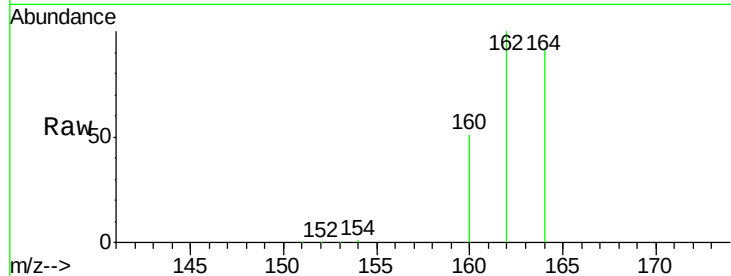
Tgt Ion:164 Resp: 60646

Ion Ratio Lower Upper

164 100

162 108.8 81.8 122.8

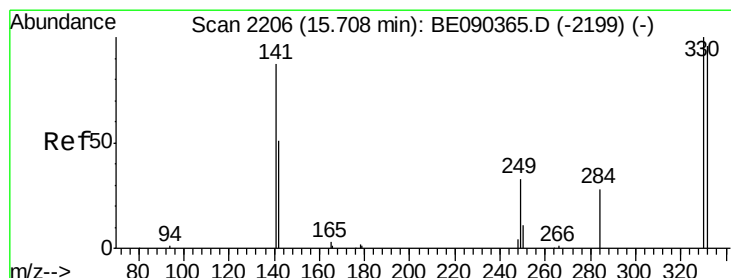
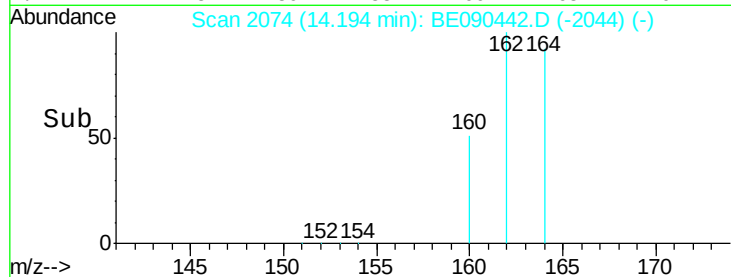
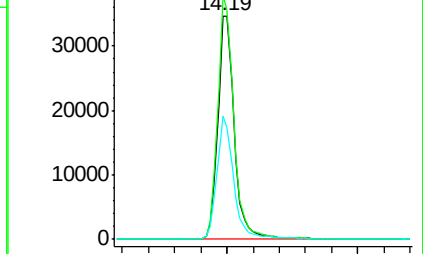
160 55.3 44.2 66.4



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: 8.47 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

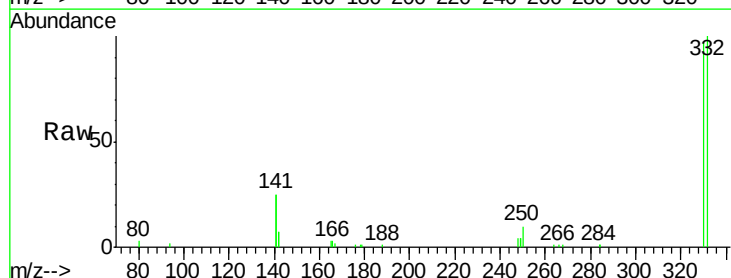
Tgt Ion:330 Resp: 16145

Ion Ratio Lower Upper

330 100

332 97.4 75.8 113.6

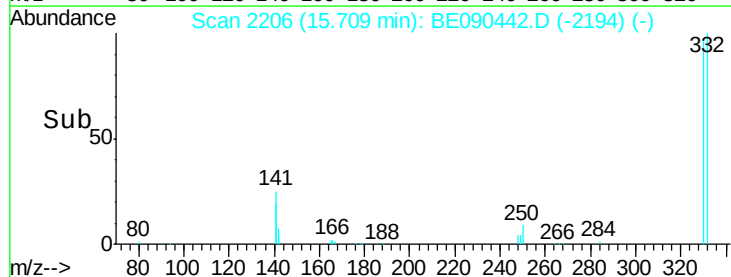
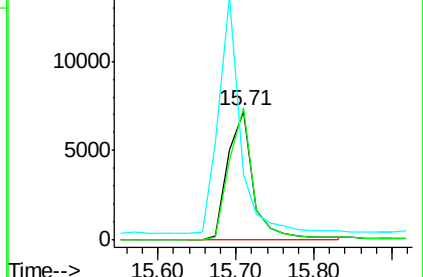
141 161.1 114.4 171.6

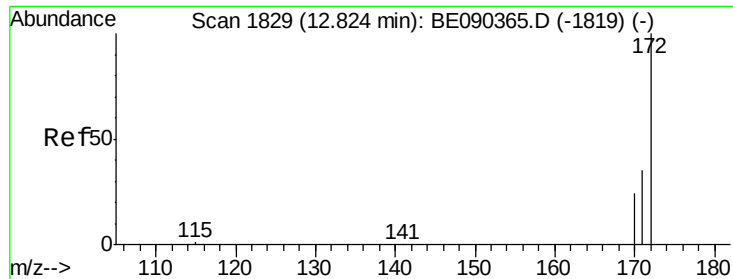


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

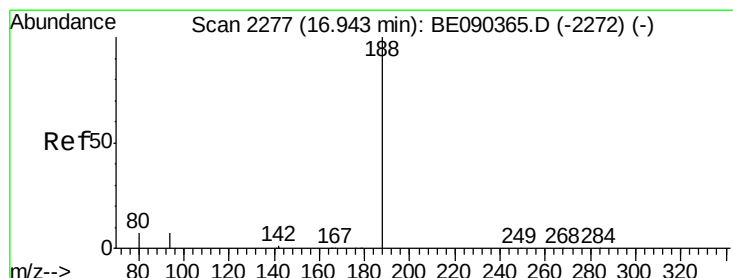
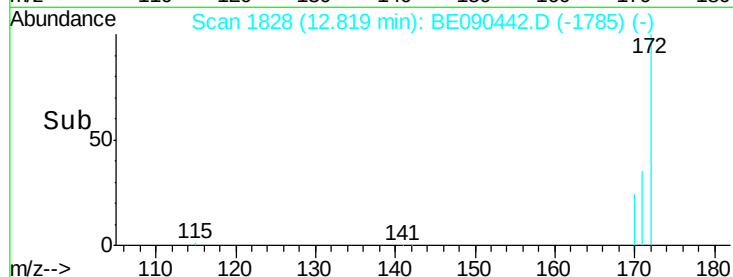
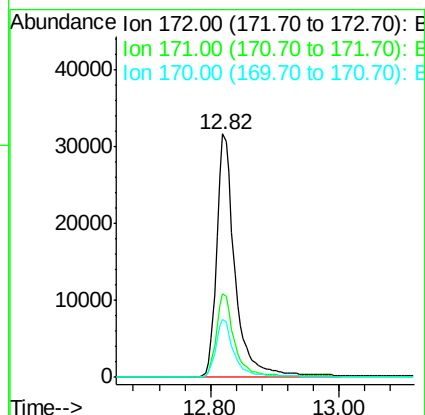
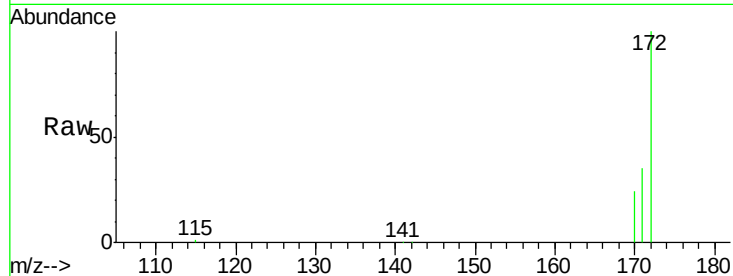




#14
2-Fluorobiphenyl
Concen: 3.79 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090442.D
Acq: 11 Aug 2015 23:37

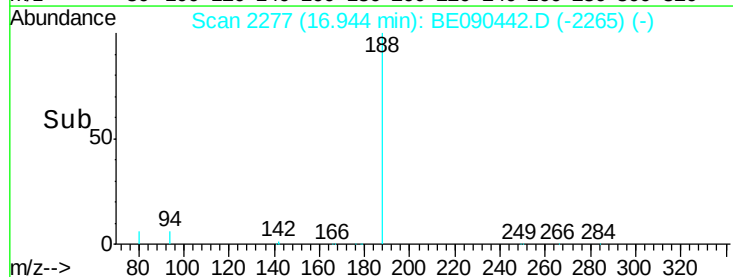
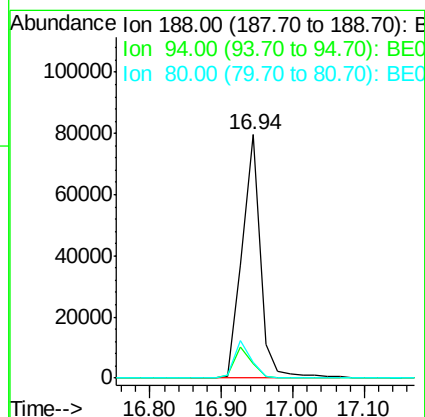
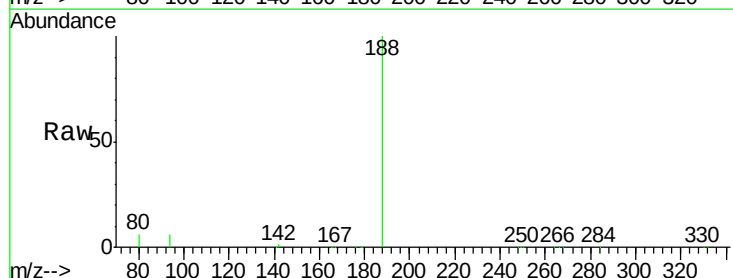
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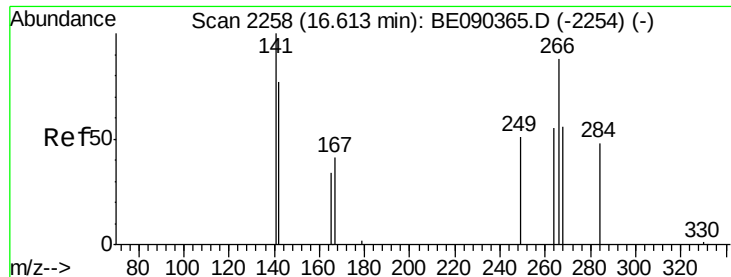
Tgt Ion:172 Resp: 63144
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 23.6 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090442.D
Acq: 11 Aug 2015 23:37

Tgt Ion:188 Resp: 140290
Ion Ratio Lower Upper
188 100
94 6.1 5.7 8.5
80 6.3 5.8 8.8

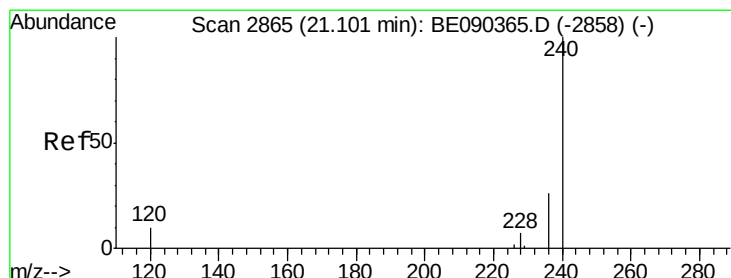
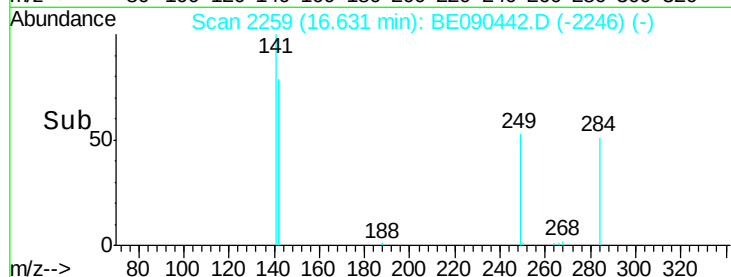
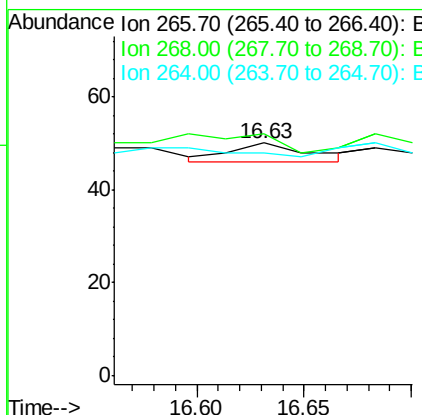
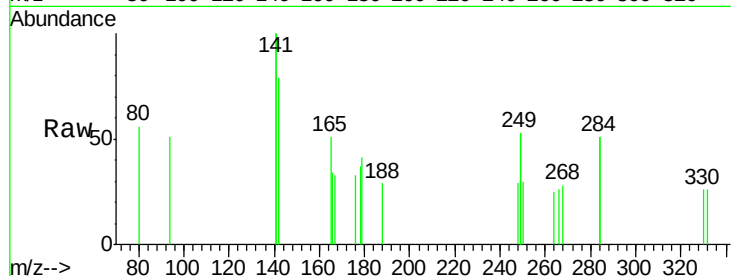




#21
 Pentachlorophenol
 Concen: 0.10 ng
 RT: 16.63 min Scan# 2259
 Delta R.T. 0.02 min
 Lab File: BE090442.D
 Acq: 11 Aug 2015 23:37

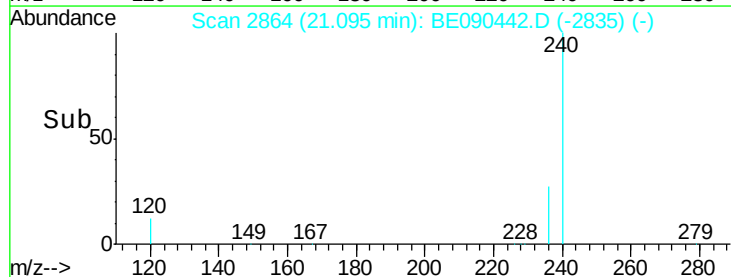
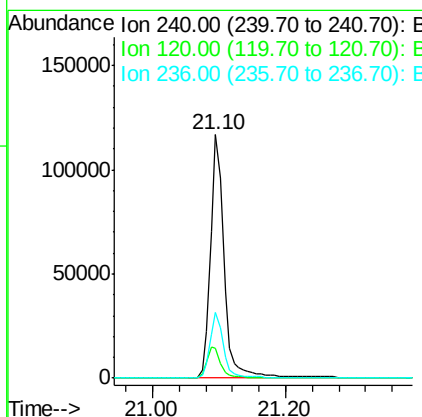
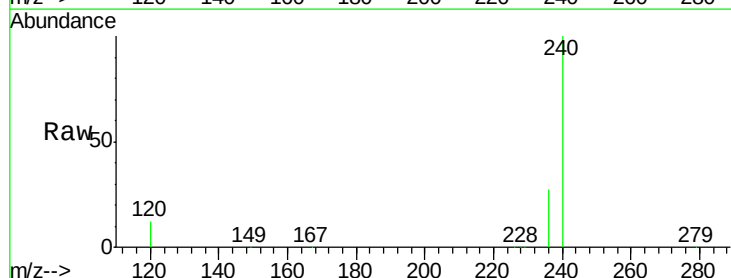
Instrument :
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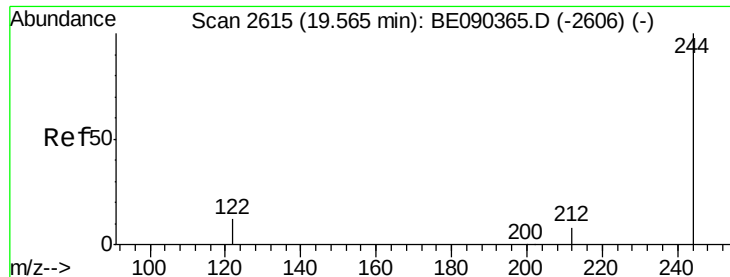
Tgt Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 268 104.0 58.5 87.7#
 264 96.0 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.10 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BE090442.D
 Acq: 11 Aug 2015 23:37

Tgt Ion:240 Resp: 164317
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.3 12.5
 236 27.0 21.0 31.4





#27

Terphenyl-d14

Concen: 4.93 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

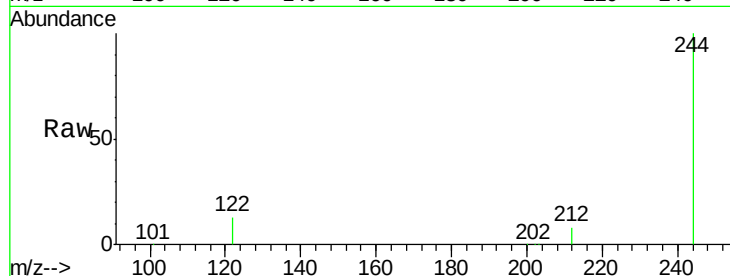
Tgt Ion:244 Resp: 119267

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

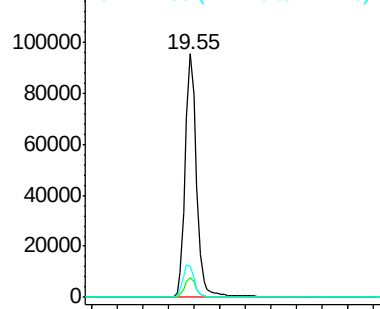
122 12.8 10.2 15.4



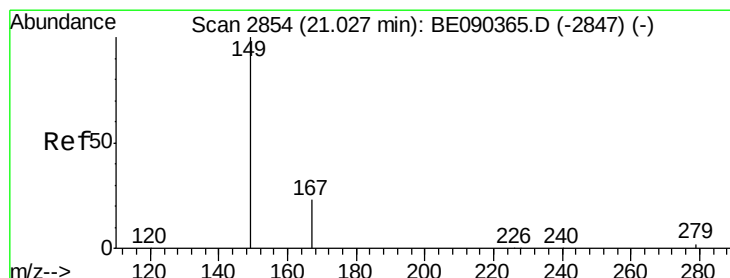
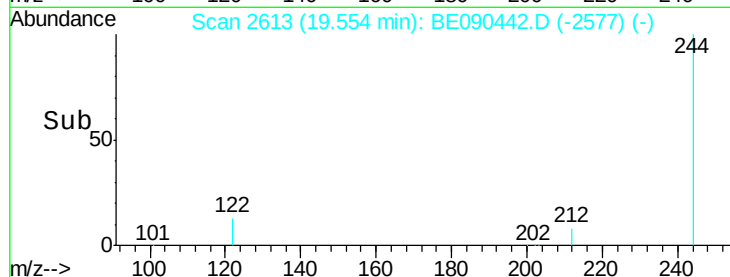
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.40 19.60 19.80



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.40 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

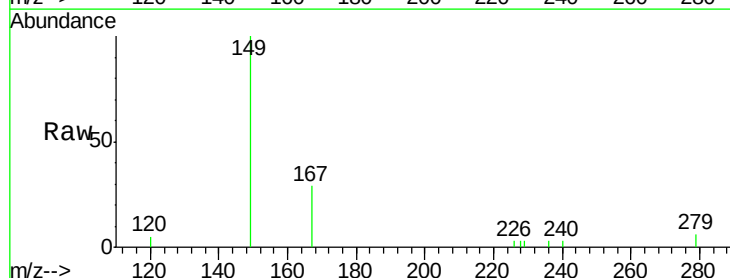
Tgt Ion:149 Resp: 2518

Ion Ratio Lower Upper

149 100

167 24.5 19.8 29.8

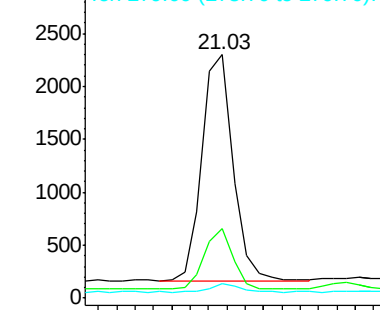
279 3.5 2.4 3.6



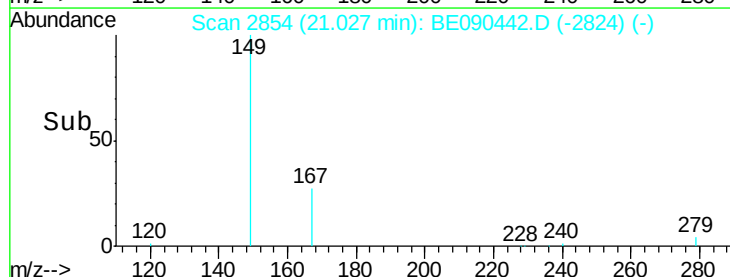
Abundance Ion 149.00 (148.70 to 149.70): E

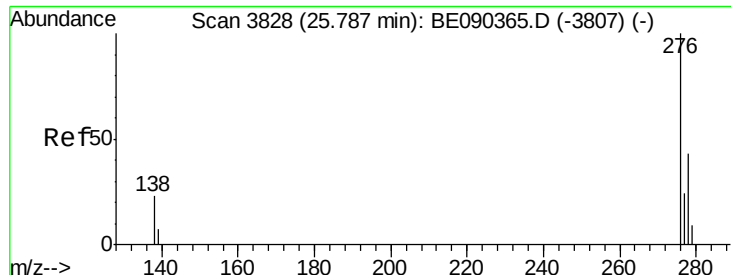
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.00 21.05 21.10





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 25.78 min Scan# 3826

Delta R.T. -0.01 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

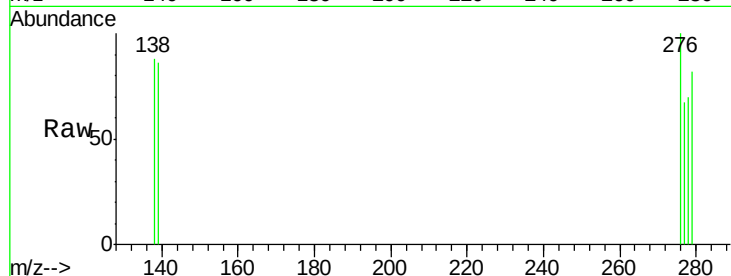
Tgt Ion: 276 Resp: 57

Ion Ratio Lower Upper

276 100

138 52.6 18.8 28.2#

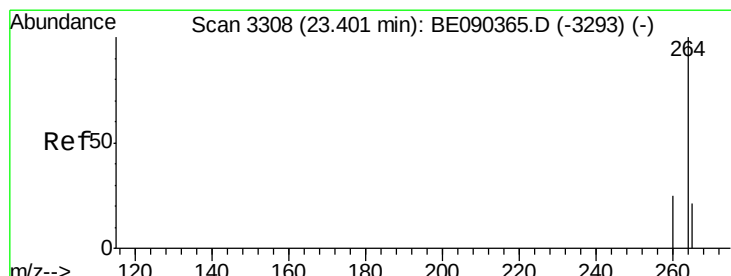
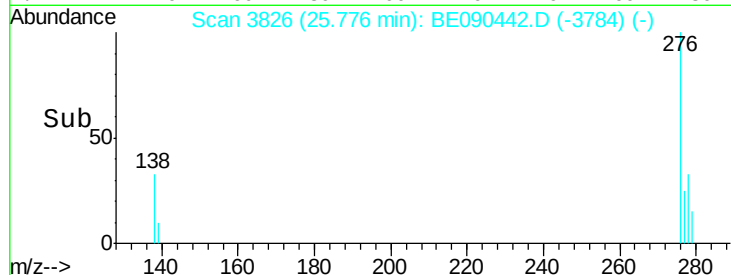
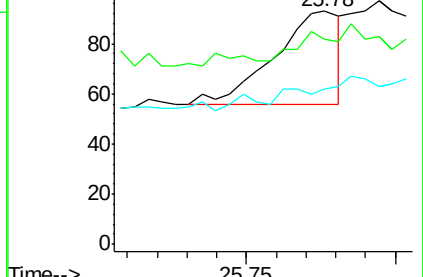
277 10.5 18.2 27.4#



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: BE090442.D

Acq: 11 Aug 2015 23:37

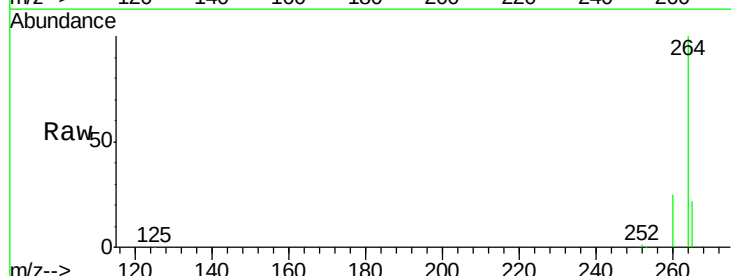
Tgt Ion: 264 Resp: 147576

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

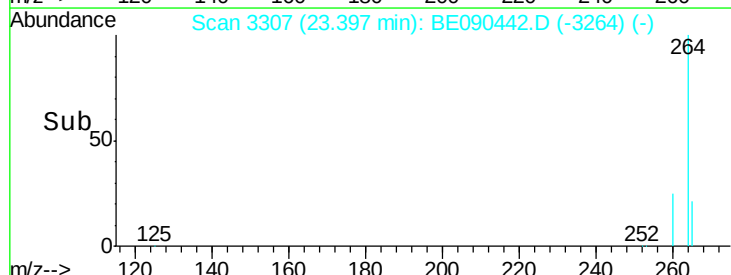
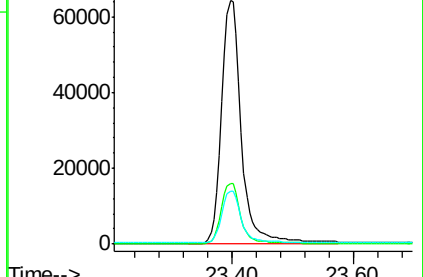
265 21.9 17.2 25.8

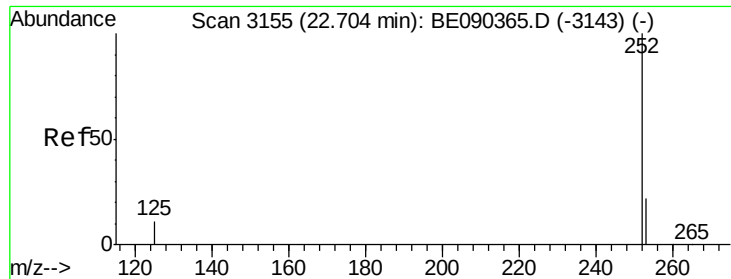


Abundance Ion 264.00 (263.70 to 264.70): E

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# 3155

Delta R.T. 0.00 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S

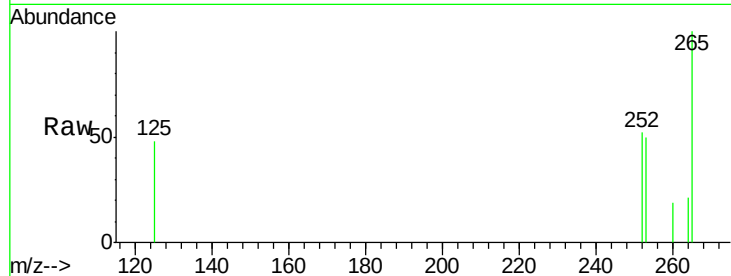
Tgt Ion:252 Resp: 119

Ion Ratio Lower Upper

252 100

253 94.3 18.1 27.1#

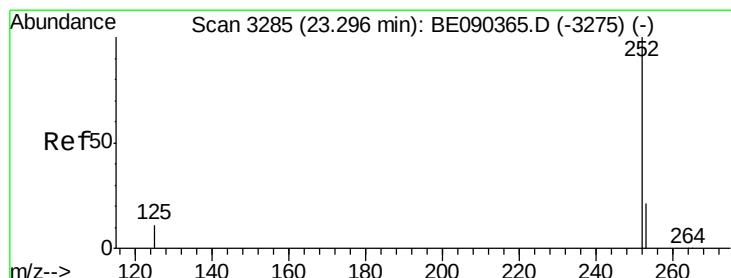
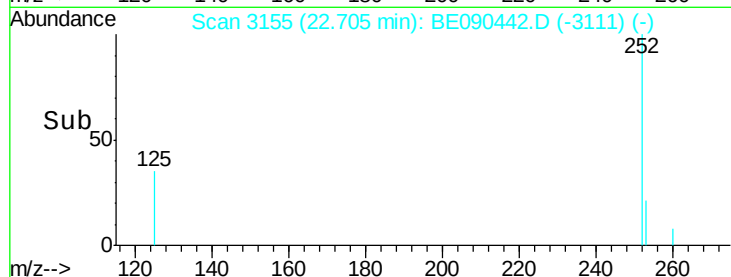
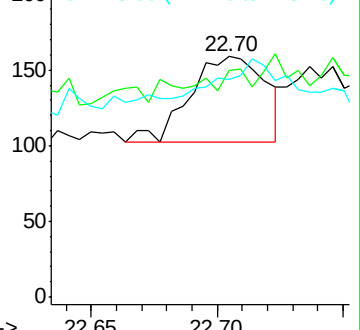
125 90.6 9.4 14.2#



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: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090442.D

Acq: 11 Aug 2015 23:37

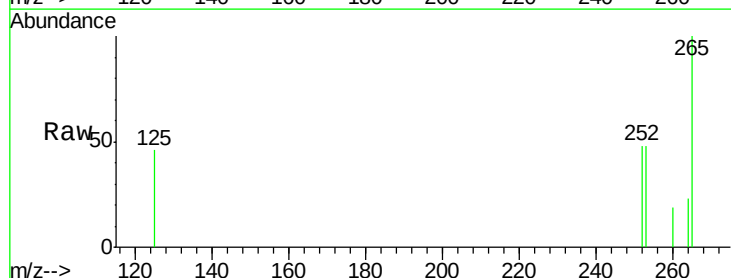
Tgt Ion:252 Resp: 87

Ion Ratio Lower Upper

252 100

253 99.3 17.6 26.4#

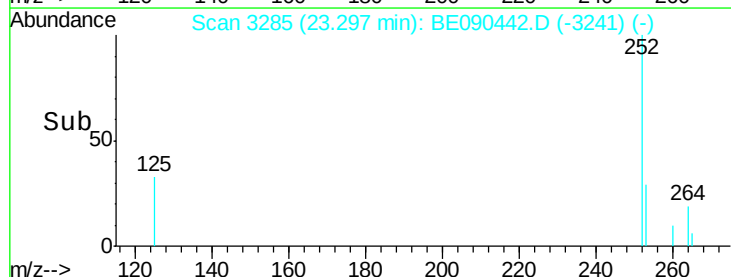
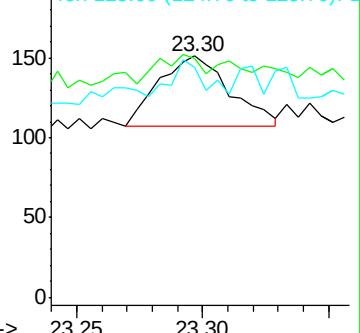
125 95.4 9.8 14.6#

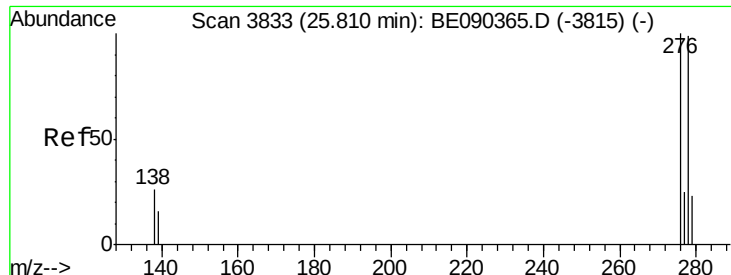


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.81 min Scan# 3834

Delta R.T. 0.00 min

Lab File: BE090442.D

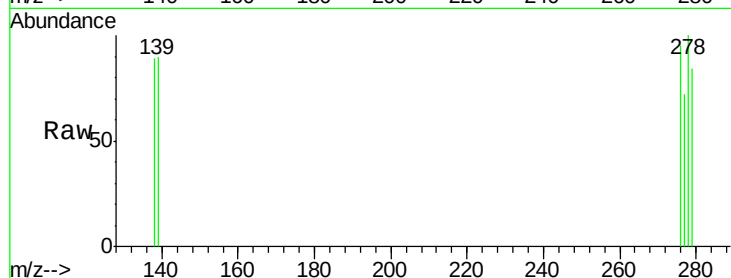
Acq: 11 Aug 2015 23:37

Instrument :

BNA_E

ClientSampleId :

081015-D506-F-U-S



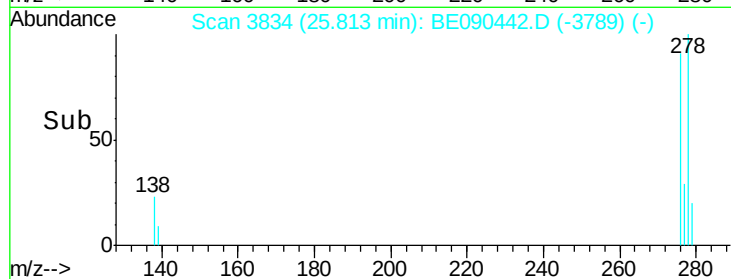
Tgt Ion: 278 Resp: 112

Ion Ratio Lower Upper

278 100

139 89.8 14.2 21.4#

279 84.1 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

