

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090438.D
 Acq On : 11 Aug 2015 21:11
 Operator : UM/IZ
 Sample : G3135-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080915-D506-E-U-M

Quant Time: Aug 12 04:15:17 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	21488	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	98768	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	59035	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	134051	5.00	ng	0.00
25) Chrysene-d12	21.09	240	156363	5.00	ng	0.00
32) Perylene-d12	23.40	264	142603	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	14231	4.41	ng	0.00
5) Phenol-d6	6.77	99	13075	2.06	ng	0.00
7) Nitrobenzene-d5	8.73	82	25680	3.27	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	14766	8.12	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	62818	3.87	ng	0.00
27) Terphenyl-d14	19.55	244	116068	5.04	ng	-0.01

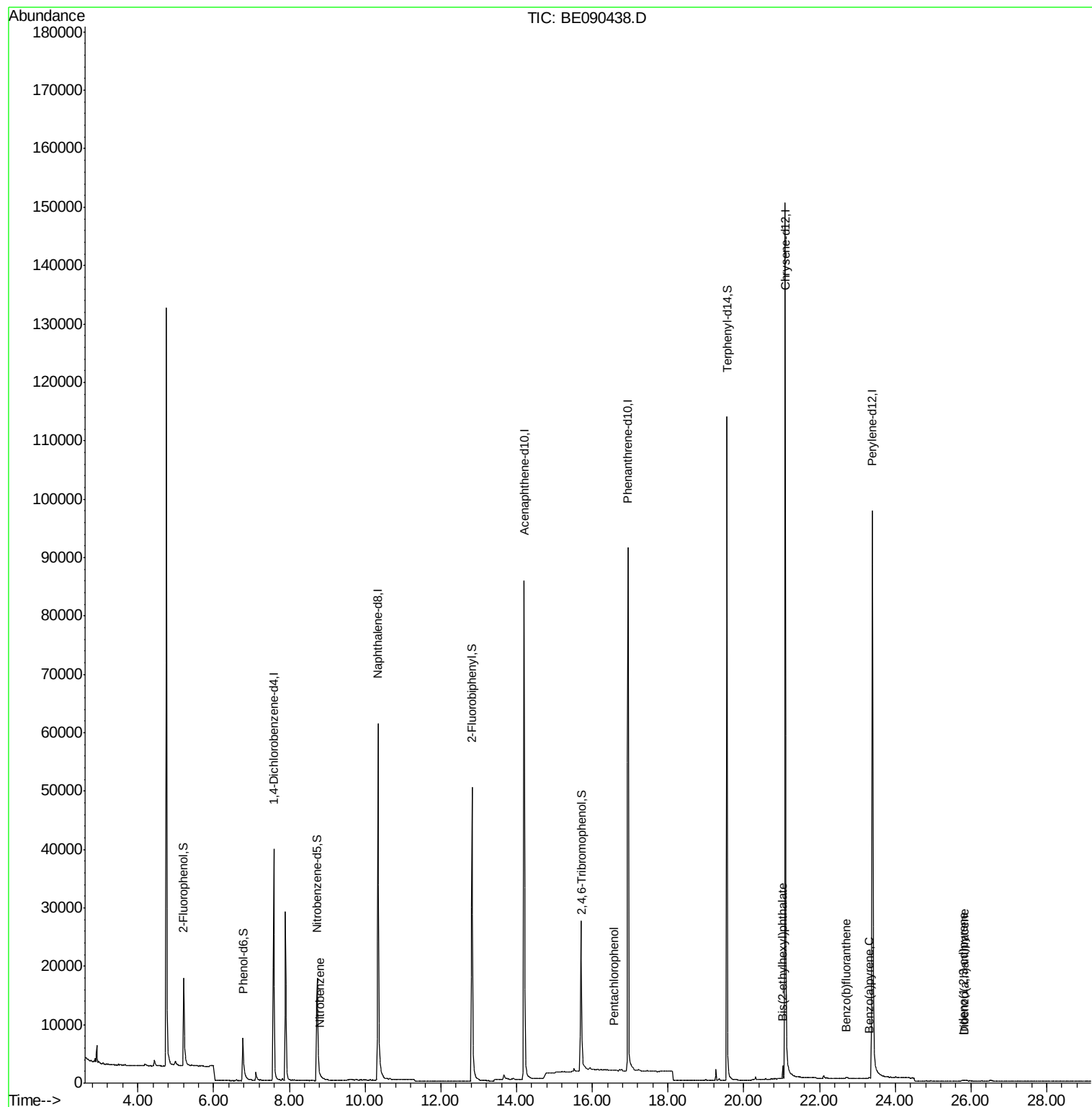
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	88	Below Cal	#	15
8) Nitrobenzene	8.80	77	13	0.21 ng	#	96
10) Hexachlorobutadiene	10.76	225	4	Below Cal		85
21) Pentachlorophenol	16.56	266	14	0.10 ng	#	68
30) Bis(2-ethylhexyl)phthalate	21.03	149	2012	0.35 ng		98
31) Indeno(1,2,3-cd)pyrene	25.79	276	321	0.26 ng	#	83
33) Benzo(b)fluoranthene	22.71	252	198	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	145	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	224	0.29 ng	#	1

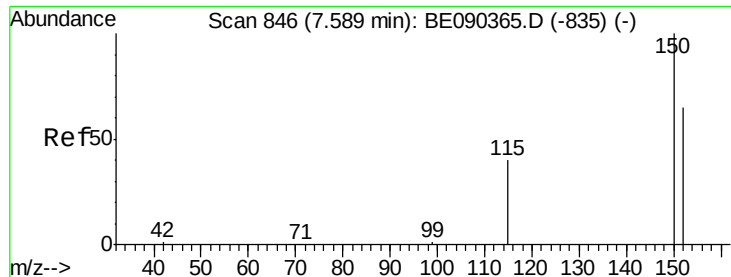
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

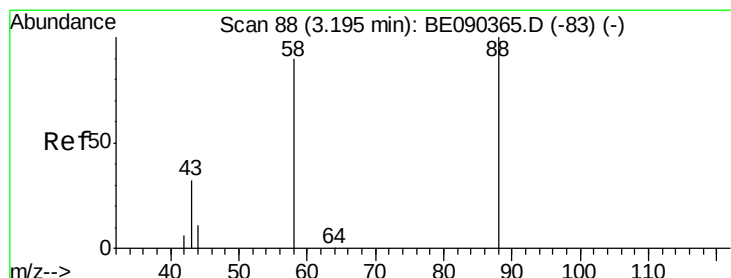
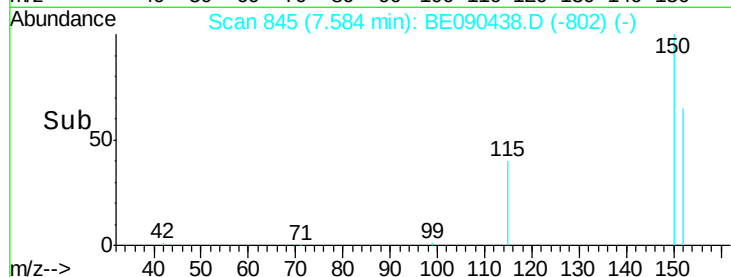
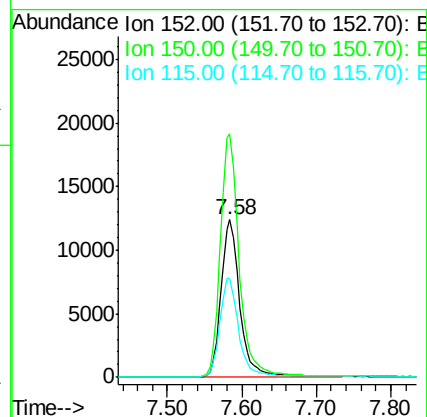
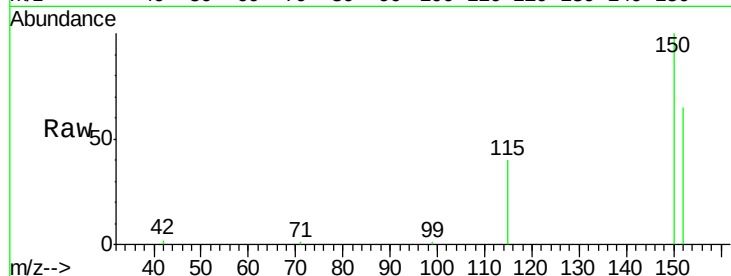
Tgt Ion: 152 Resp: 21488

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

115 62.4 48.9 73.3



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.24 min Scan# 94

Delta R.T. 0.04 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

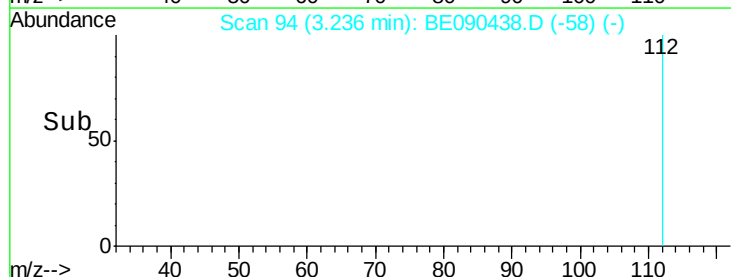
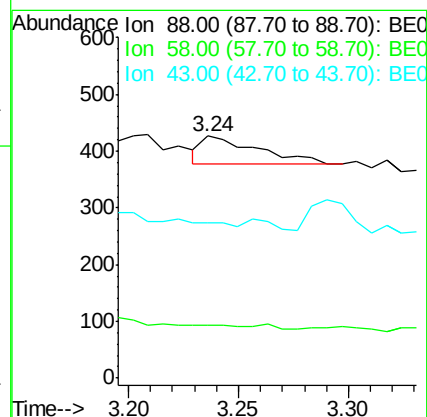
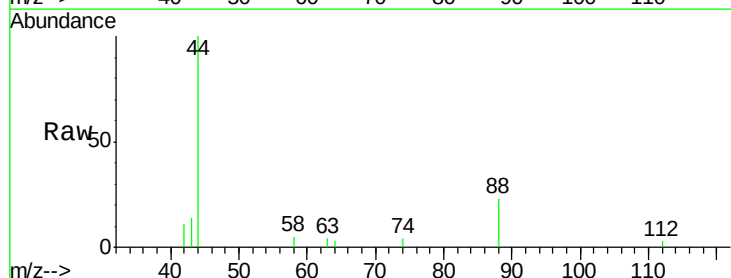
Tgt Ion: 88 Resp: 88

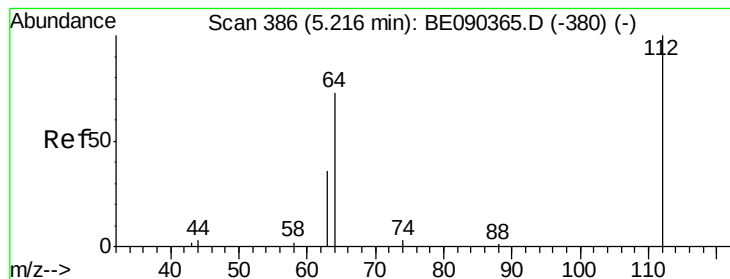
Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

43 0.0 28.4 42.6#





#4

2-Fluorophenol

Concen: 4.41 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

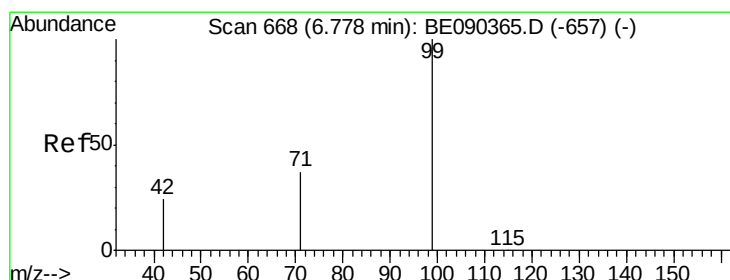
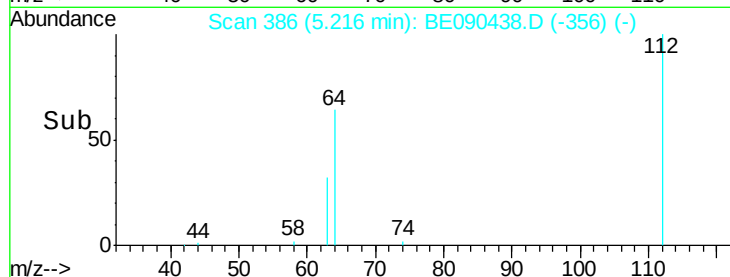
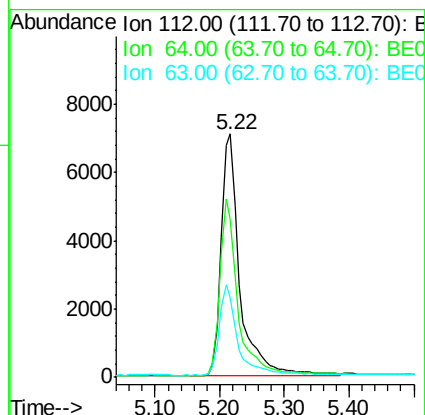
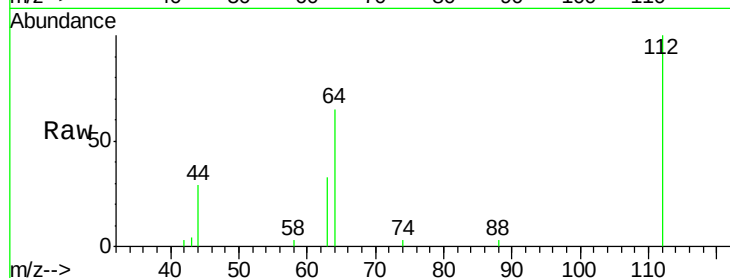
Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

Tgt Ion:	112	Resp:	14231
Ion	Ratio	Lower	Upper
112	100		
64	70.7	37.1	55.7#
63	36.6	19.5	29.3#



#5

Phenol-d6

Concen: 2.06 ng

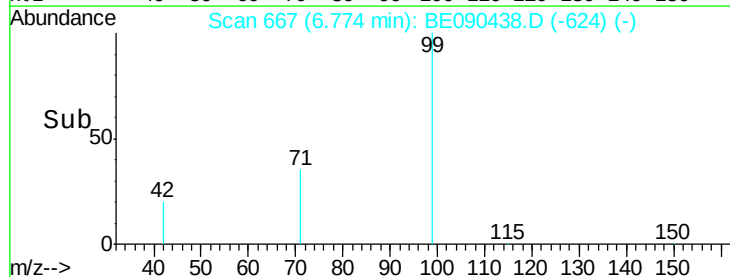
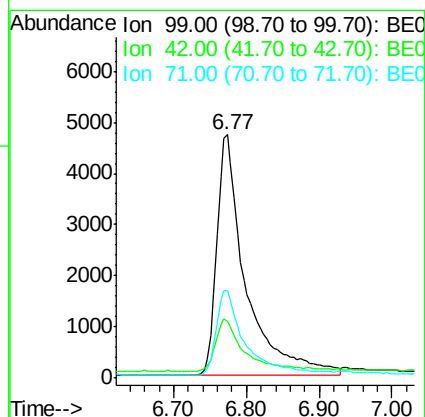
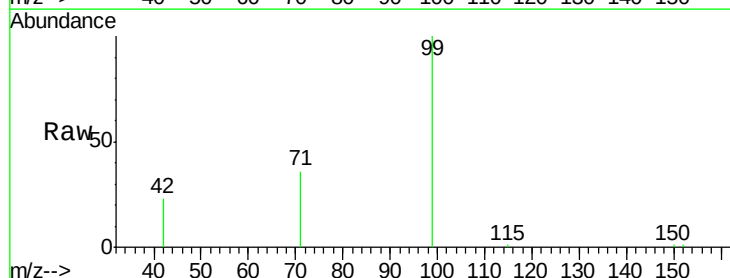
RT: 6.77 min Scan# 667

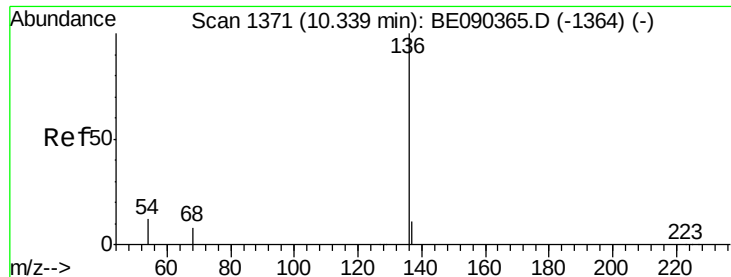
Delta R.T. -0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Tgt Ion:	99	Resp:	13075
Ion	Ratio	Lower	Upper
99	100		
42	22.0	18.2	27.4
71	35.8	27.4	41.0

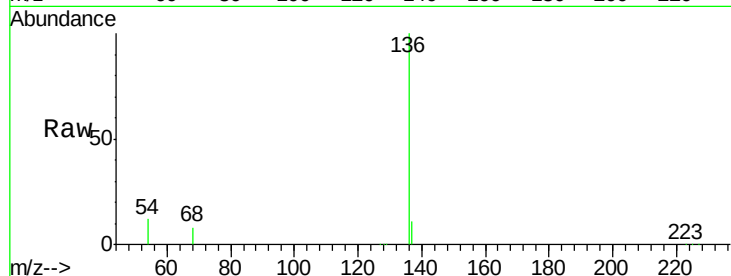




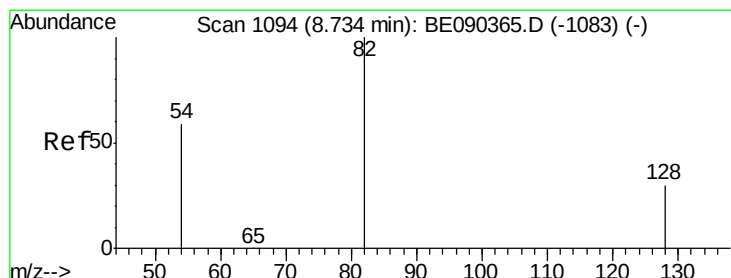
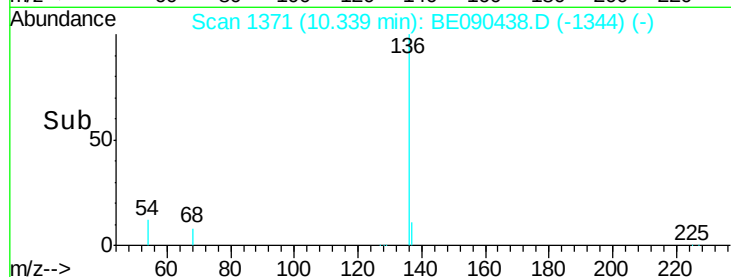
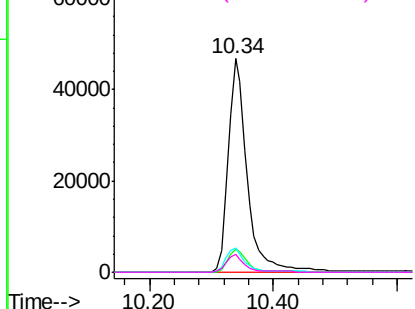
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090438.D
Acq: 11 Aug 2015 21:11

Instrument :
BNA_E
ClientSampleId :
080915-D506-E-U-M

Tgt Ion:	136	Resp:	98768
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.7	9.4	14.0
68	8.4	6.5	9.7

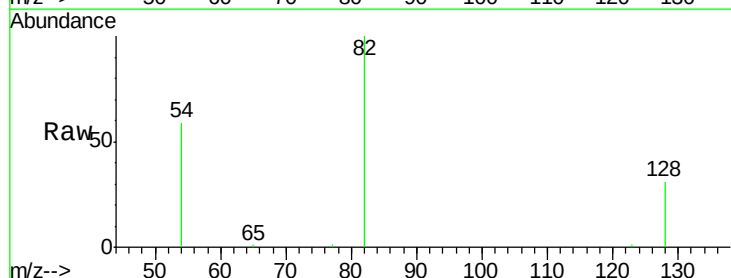


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

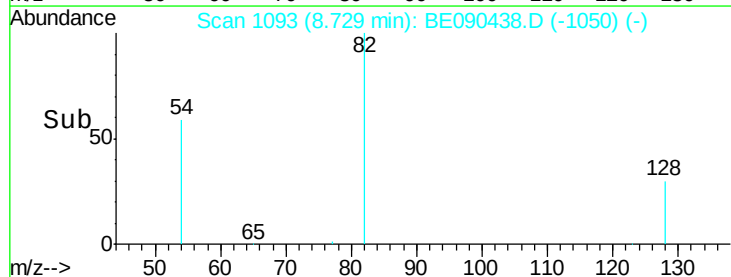
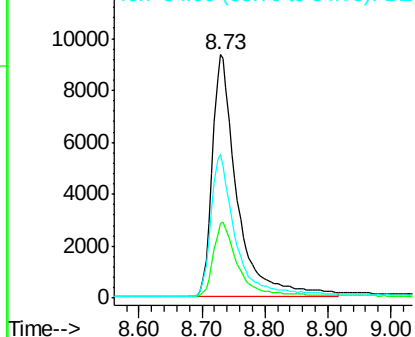


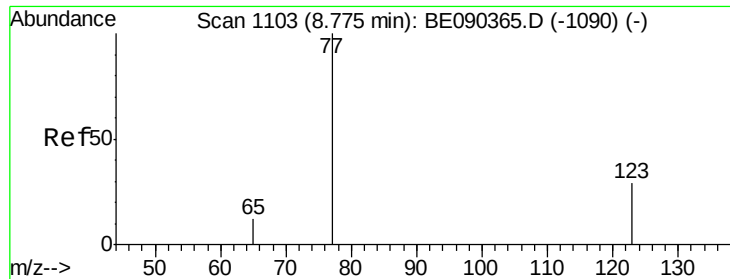
#7
Nitrobenzene-d5
Concen: 3.27 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090438.D
Acq: 11 Aug 2015 21:11

Tgt Ion:	82	Resp:	25680
Ion	Ratio	Lower	Upper
82	100		
128	30.6	25.0	37.6
54	59.2	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# 1109

Delta R.T. 0.03 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

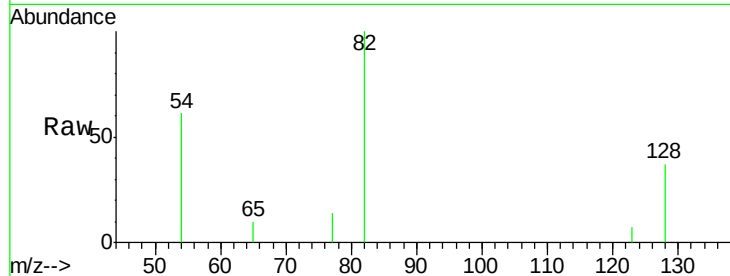
Tgt Ion: 77 Resp: 13

Ion Ratio Lower Upper

77 100

123 30.8 25.1 37.7

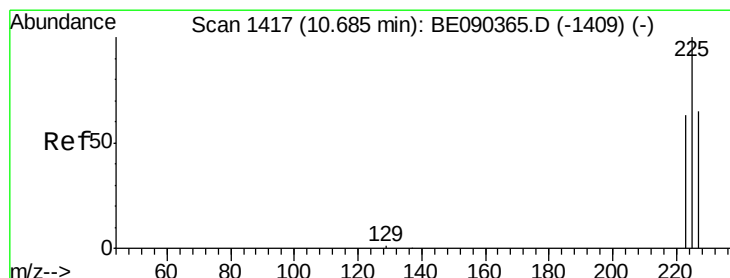
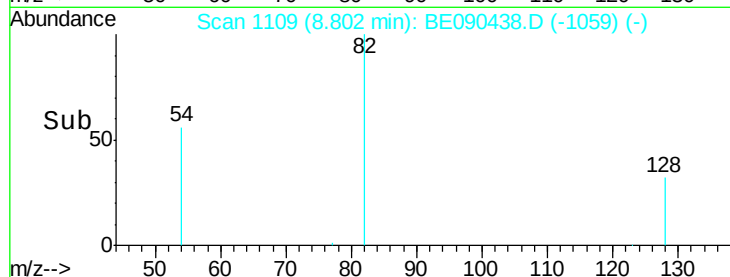
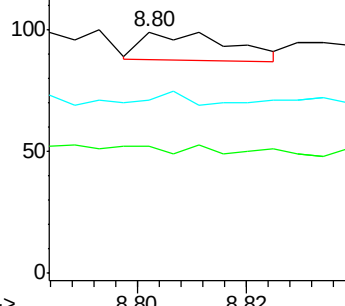
65 7.7 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090438.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090438.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090438.D (-1090) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.76 min Scan# 1427

Delta R.T. 0.08 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

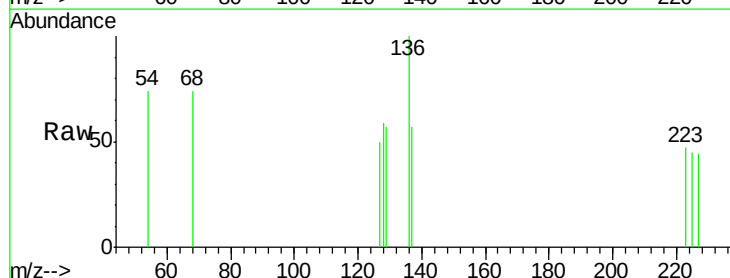
Tgt Ion: 225 Resp: 4

Ion Ratio Lower Upper

225 100

223 75.0 50.6 75.8

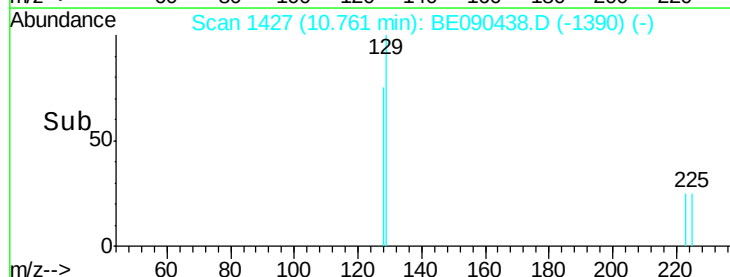
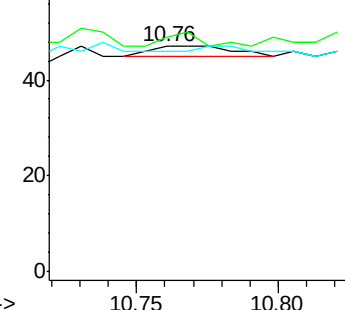
227 75.0 50.7 76.1

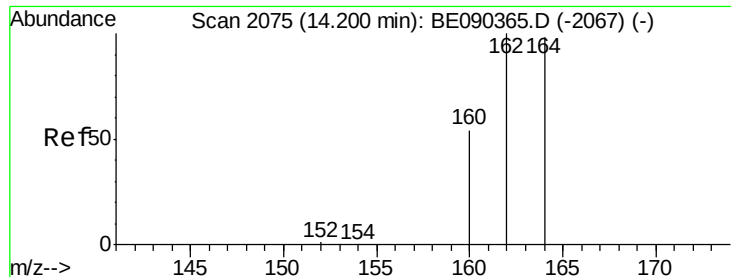


Abundance Ion 225.00 (224.70 to 225.70): BE090438.D (-1390) (-)

Ion 223.00 (222.70 to 223.70): BE090438.D (-1390) (-)

Ion 227.00 (226.70 to 227.70): BE090438.D (-1390) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

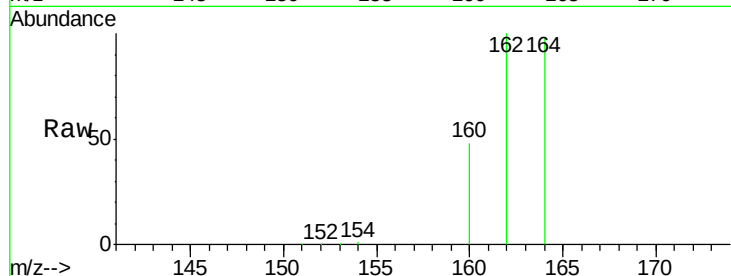
Tgt Ion:164 Resp: 59035

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.8

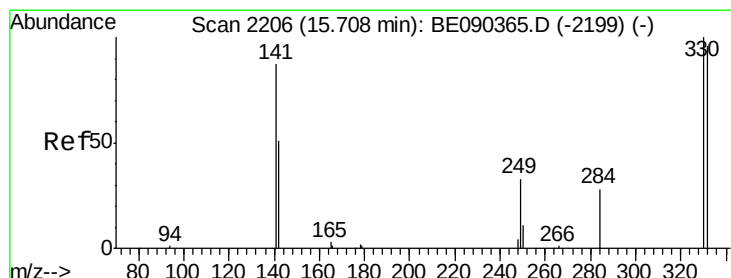
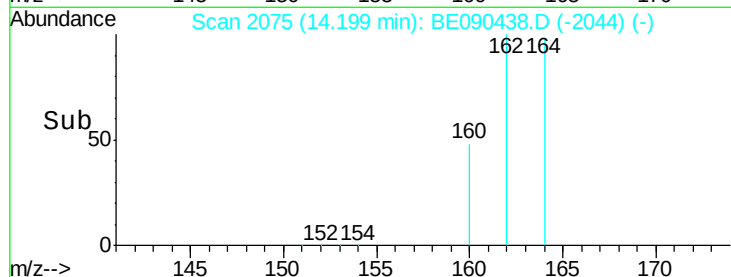
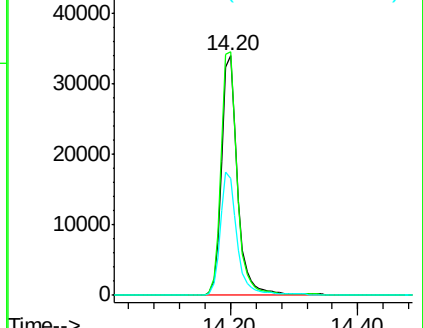
160 49.0 44.2 66.4



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: 8.12 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

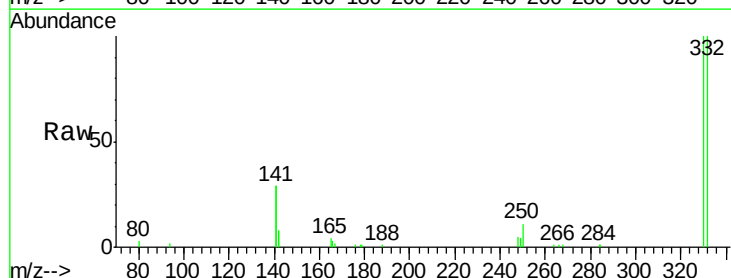
Tgt Ion:330 Resp: 14766

Ion Ratio Lower Upper

330 100

332 96.5 75.8 113.6

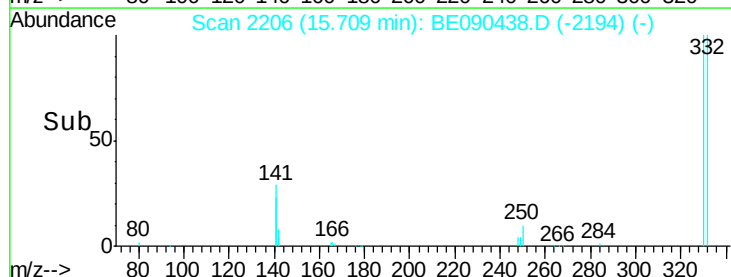
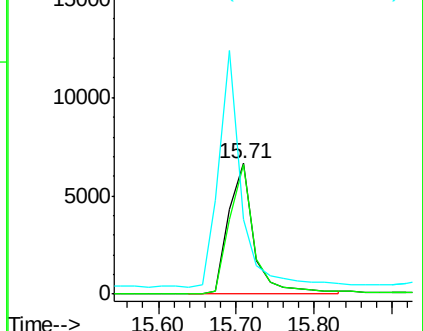
141 161.2 114.4 171.6

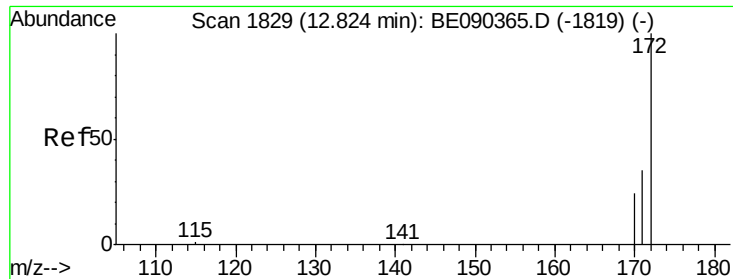


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

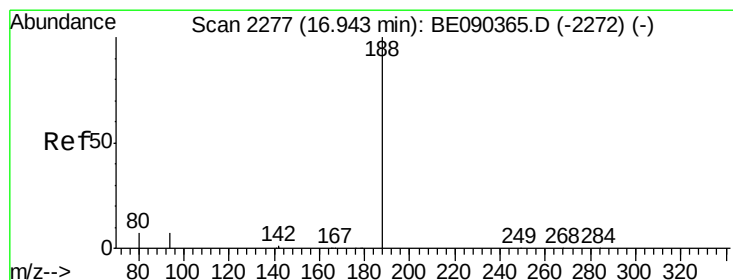
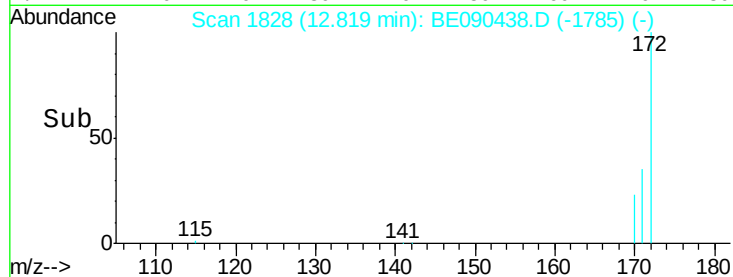
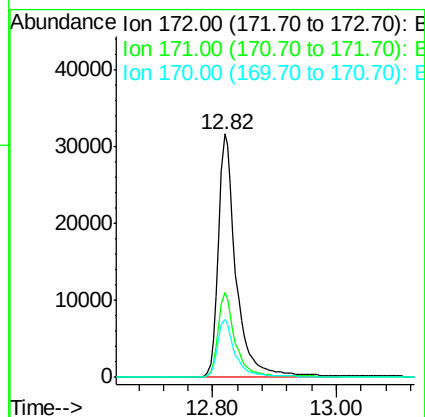
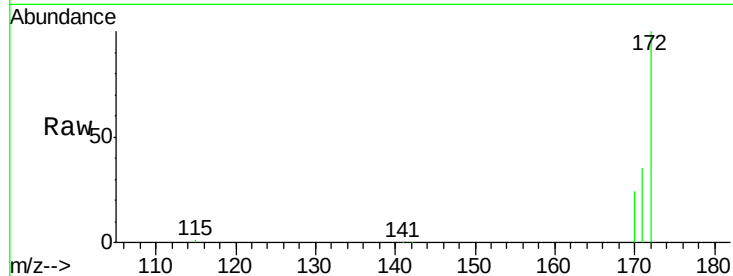




#14
2-Fluorobiphenyl
Concen: 3.87 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090438.D
Acq: 11 Aug 2015 21:11

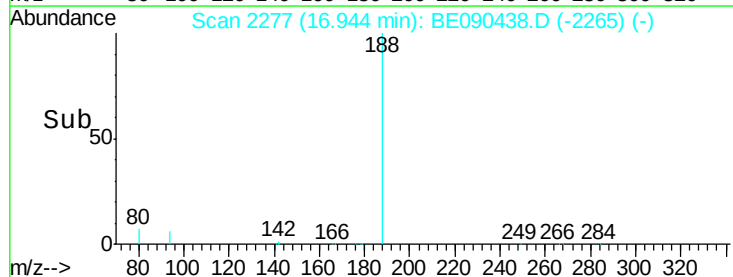
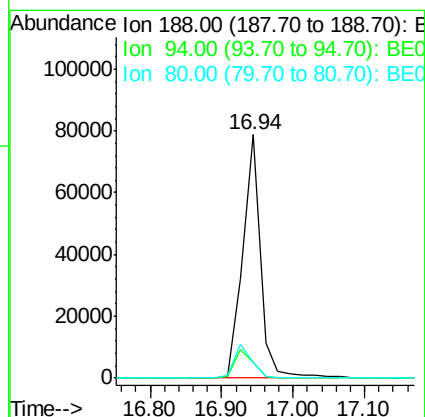
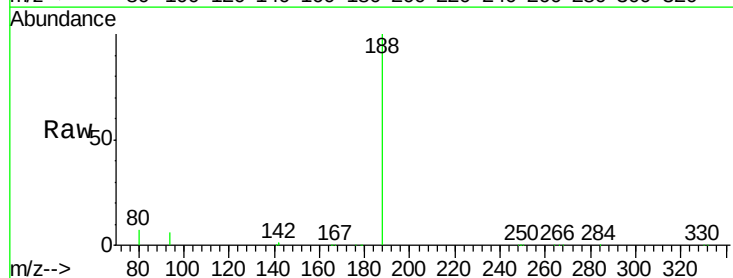
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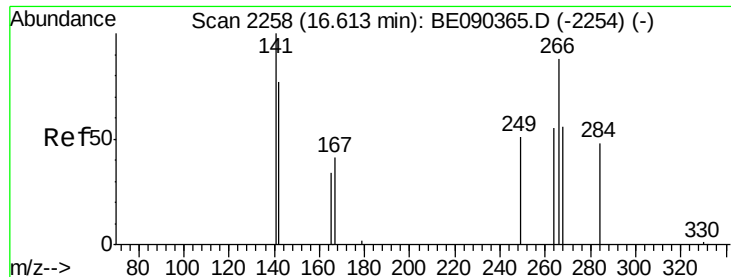
Tgt Ion:172 Resp: 62818
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.6 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090438.D
Acq: 11 Aug 2015 21:11

Tgt Ion:188 Resp: 134051
Ion Ratio Lower Upper
188 100
94 6.4 5.7 8.5
80 6.7 5.8 8.8





#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.56 min Scan# 2255

Delta R.T. -0.05 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

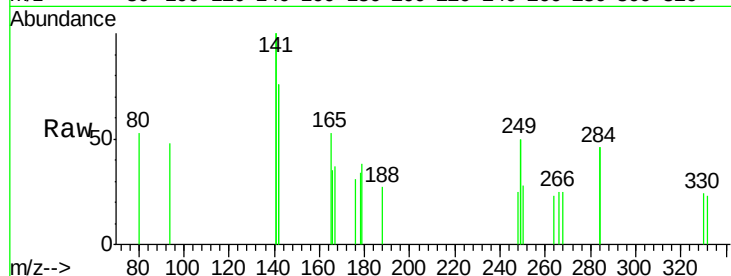
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

268 102.0 58.5 87.7#

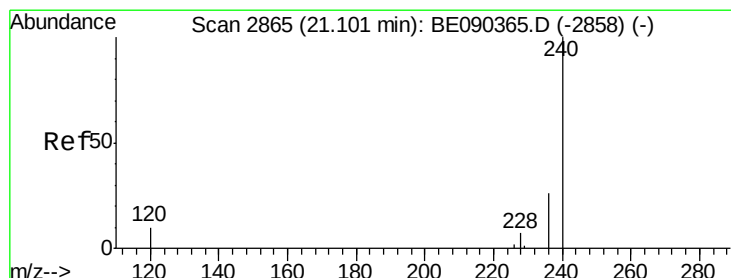
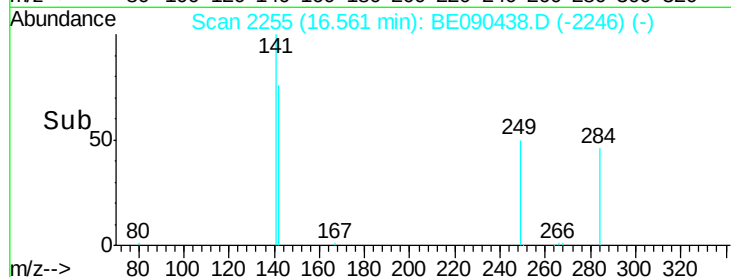
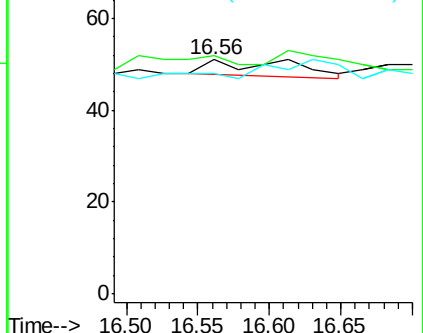
264 94.1 56.0 84.0#



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: BE090438.D

Acq: 11 Aug 2015 21:11

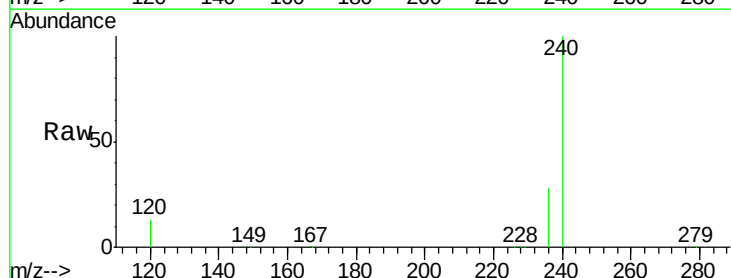
Tgt Ion:240 Resp: 156363

Ion Ratio Lower Upper

240 100

120 12.8 8.3 12.5#

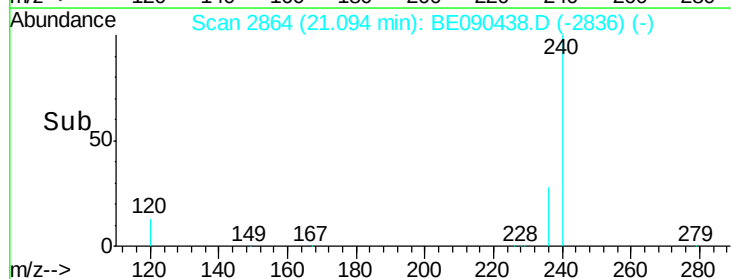
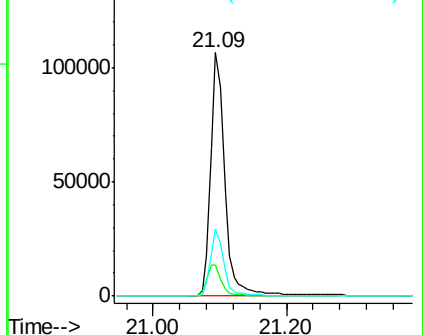
236 27.6 21.0 31.4

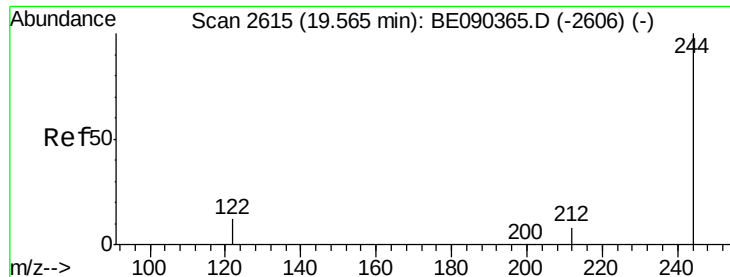


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 5.04 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

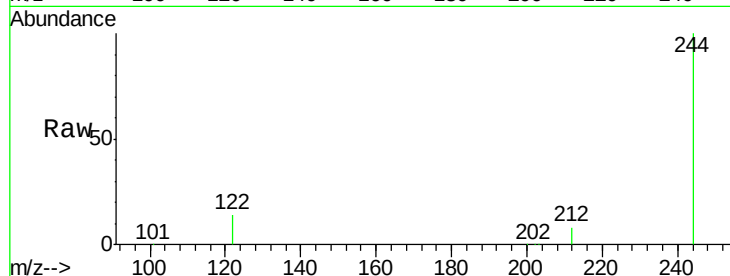
Tgt Ion:244 Resp: 116068

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

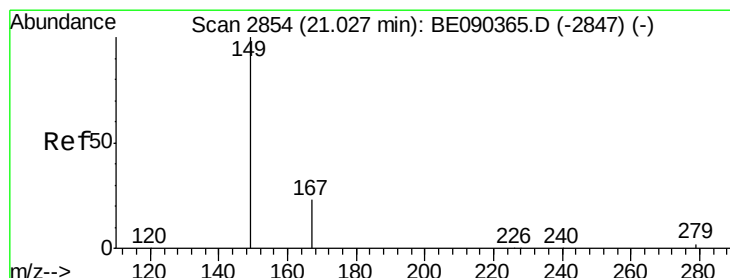
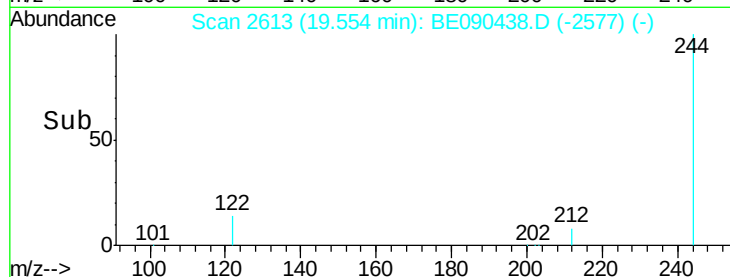
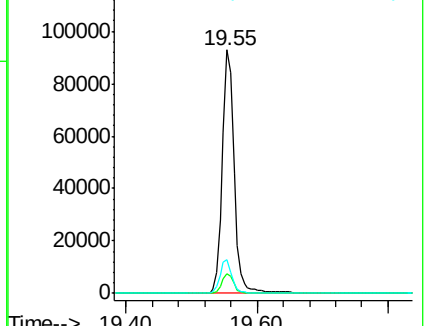
122 13.7 10.2 15.4



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: 0.35 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

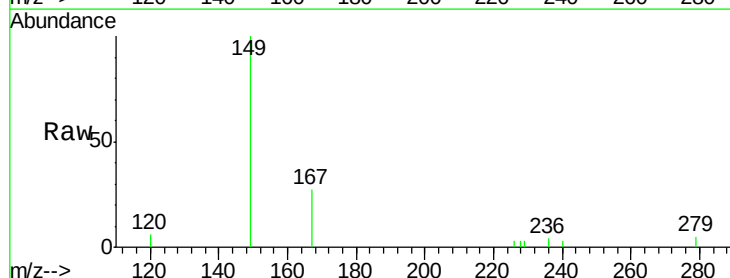
Tgt Ion:149 Resp: 2012

Ion Ratio Lower Upper

149 100

167 23.6 19.8 29.8

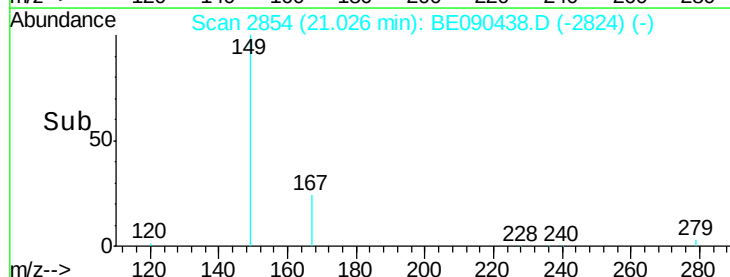
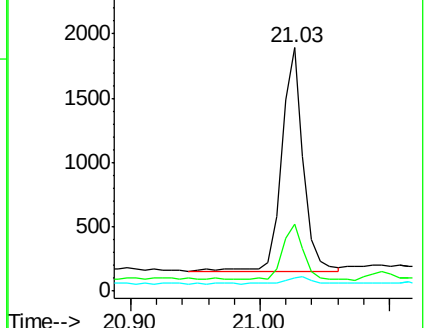
279 3.6 2.4 3.6

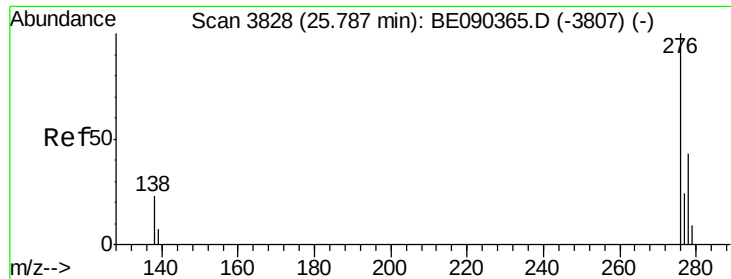


Abundance Ion 149.00 (148.70 to 149.70): E

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: 25.79 min Scan# 3828

Delta R.T. 0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

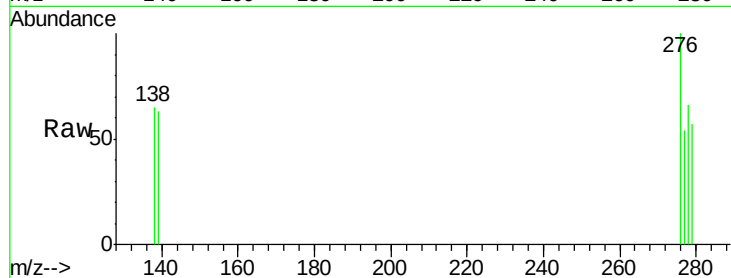
Tgt Ion:276 Resp: 321

Ion Ratio Lower Upper

276 100

138 20.2 18.8 28.2

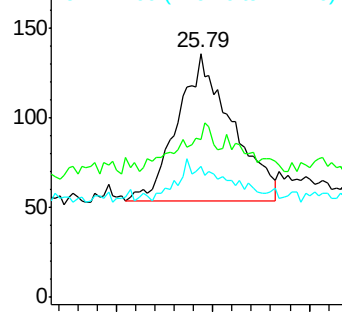
277 9.0 18.2 27.4#



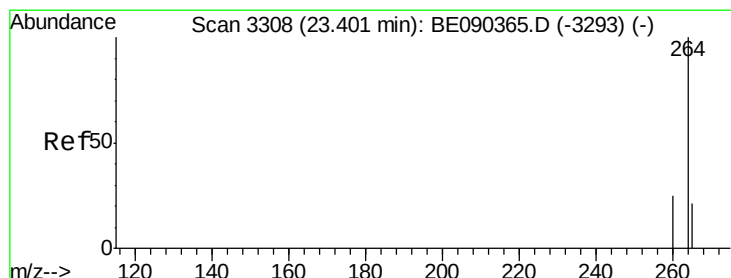
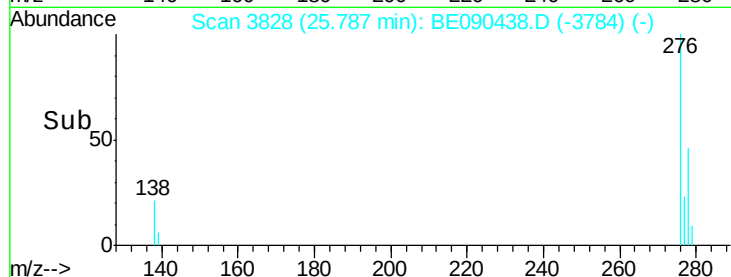
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

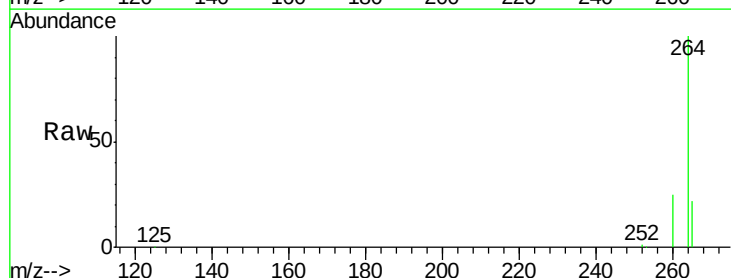
Tgt Ion:264 Resp: 142603

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

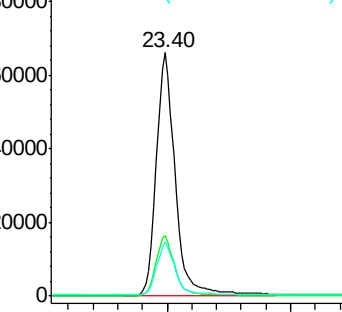
265 22.1 17.2 25.8



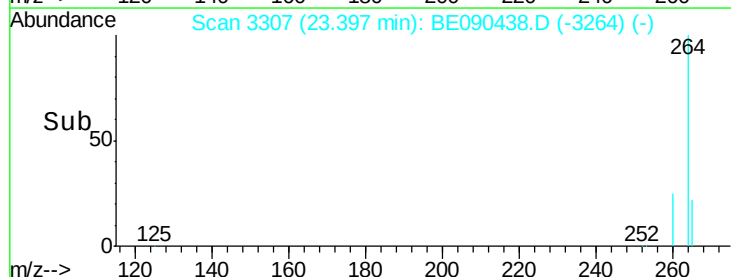
Abundance Ion 264.00 (263.70 to 264.70): E

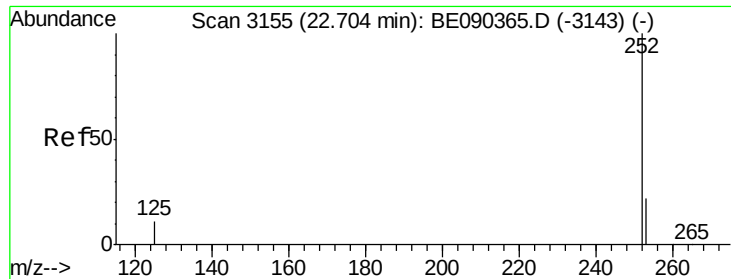
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BE090438.D

Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M

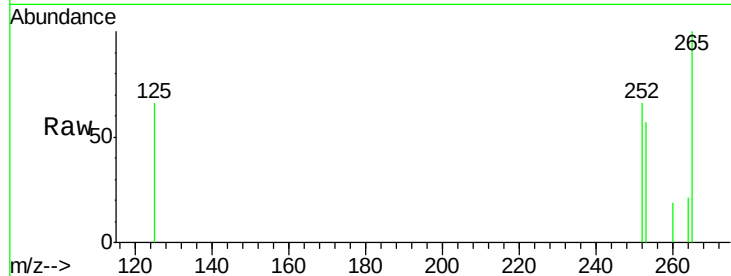
Tgt Ion: 252 Resp: 198

Ion Ratio Lower Upper

252 100

253 85.6 18.1 27.1#

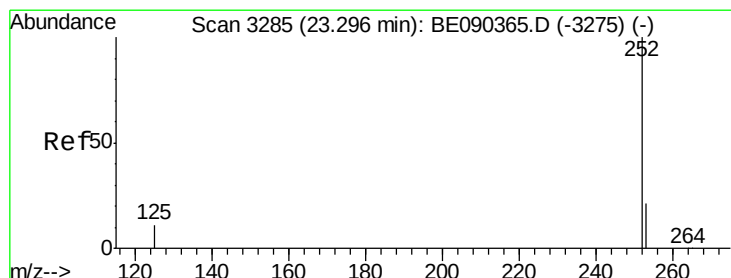
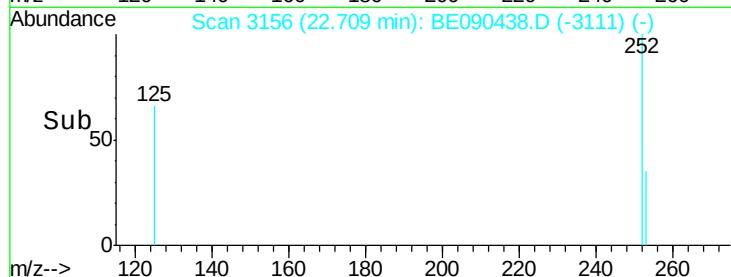
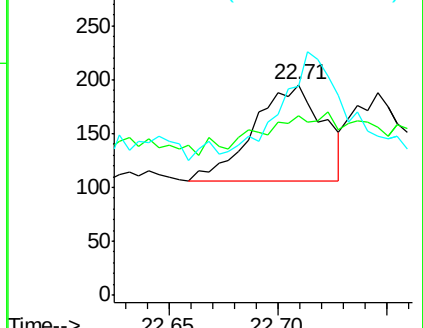
125 99.5 9.4 14.2#



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: BE090438.D

Acq: 11 Aug 2015 21:11

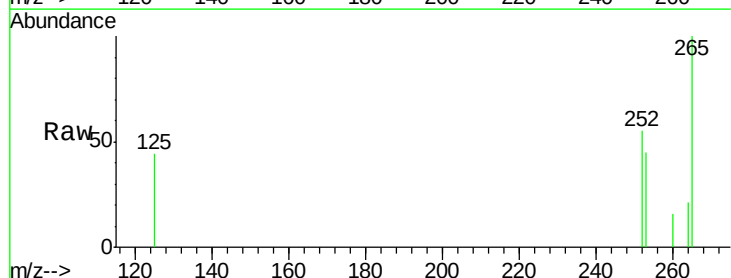
Tgt Ion: 252 Resp: 145

Ion Ratio Lower Upper

252 100

253 80.9 17.6 26.4#

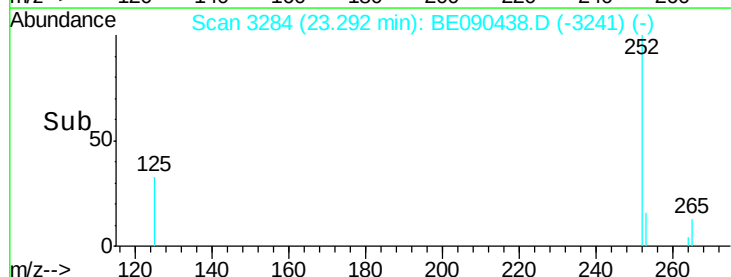
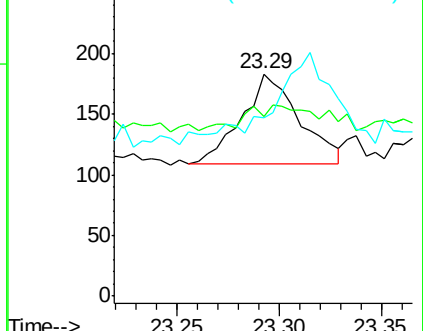
125 80.3 9.8 14.6#

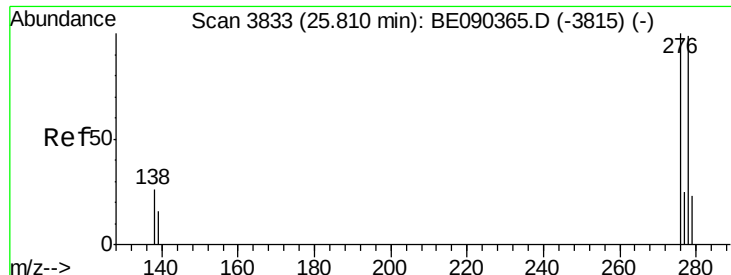


Abundance Ion 252.00 (251.70 to 252.70): E

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. 0.01 min

Lab File: BE090438.D

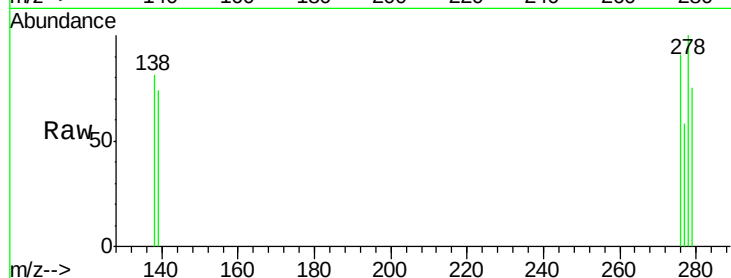
Acq: 11 Aug 2015 21:11

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-U-M



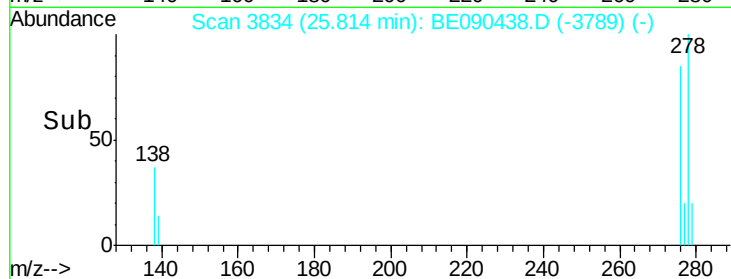
Tgt Ion: 278 Resp: 224

Ion Ratio Lower Upper

278 100

139 74.1 14.2 21.4#

279 75.0 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

25.81

100

50

0

Time-->