

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090371.D
 Acq On : 5 Aug 2015 22:19
 Operator : TP/UM
 Sample : G3180-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-D-S

Quant Time: Aug 06 02:34:47 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 02:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	20068	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	90622	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	52953	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	125221	5.00	ng	0.00
25) Chrysene-d12	21.10	240	155780	5.00	ng	0.00
32) Perylene-d12	23.40	264	143354	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	8949	2.55	ng	0.00
5) Phenol-d6	6.77	99	7496	1.36	ng	0.00
7) Nitrobenzene-d5	8.73	82	24573	3.40	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	9201	6.32	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	63623	4.37	ng	0.00
27) Terphenyl-d14	19.56	244	128626	5.60	ng	0.00

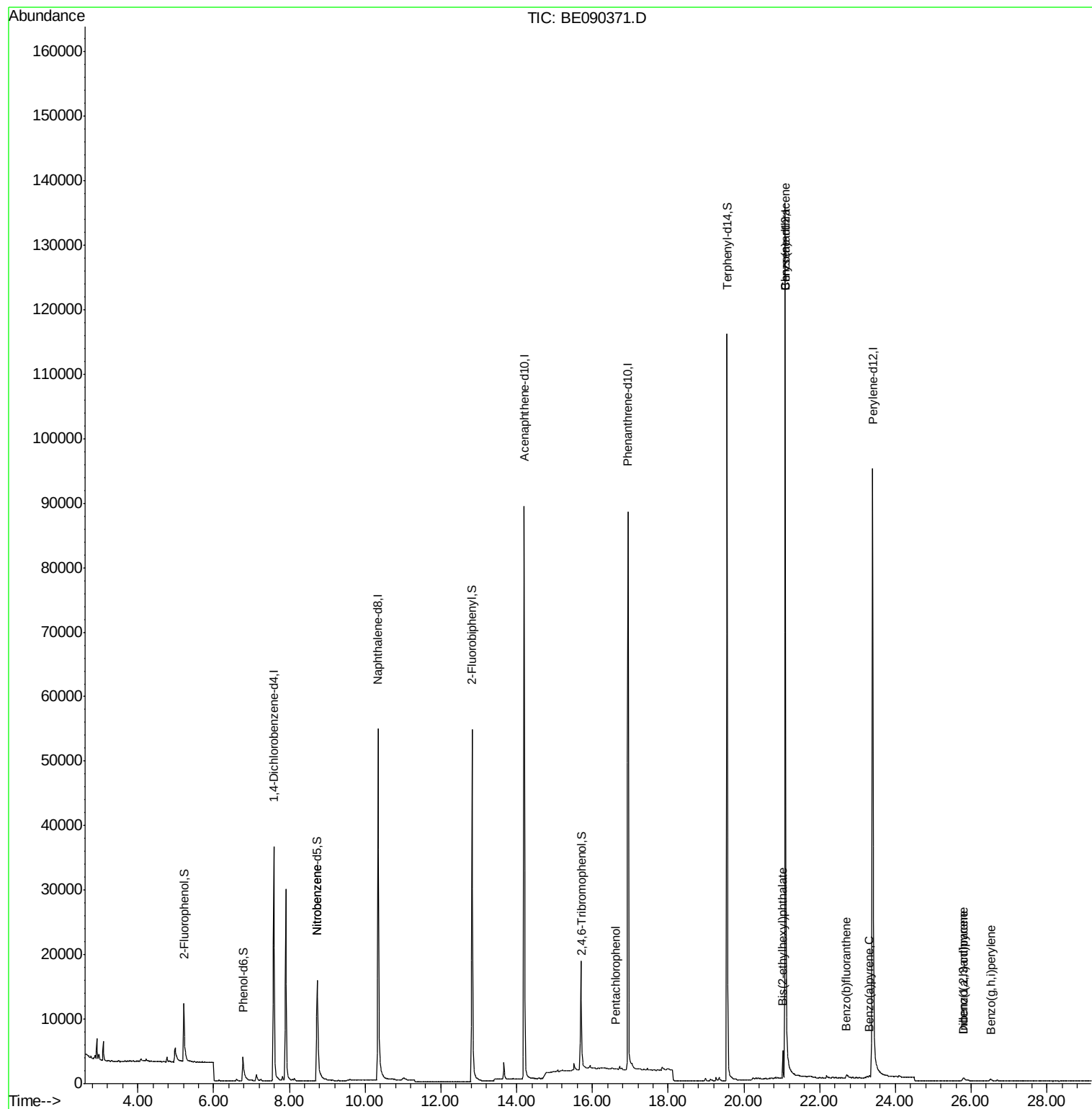
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	83	Below Cal	#	15
8) Nitrobenzene	8.73	77	64	0.22 ng	#	41
10) Hexachlorobutadiene	10.70	225	5	Below Cal	#	44
21) Pentachlorophenol	16.61	266	27	0.11 ng	#	63
28) Benzo(a)anthracene	21.09	228	705	0.02 ng	#	79
30) Bis(2-ethylhexyl)phthalate	21.03	149	3985	0.58 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	896	0.28 ng		96
33) Benzo(b)fluoranthene	22.70	252	378	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	465	0.24 ng	#	3
36) Dibenzo(a,h)anthracene	25.81	278	643	0.31 ng	#	42
37) Benzo(g,h,i)perylene	26.52	276	780	0.03 ng	#	58

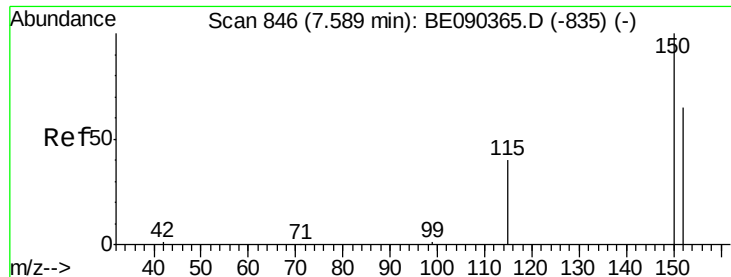
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S

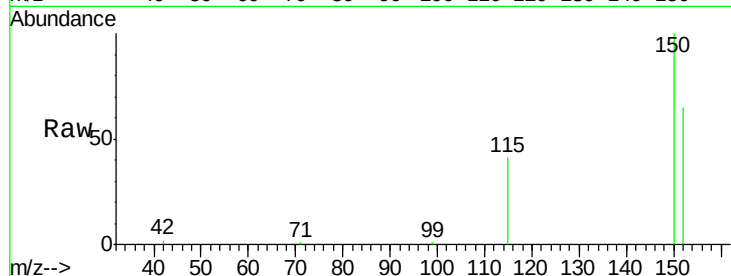
Tgt Ion:152 Resp: 20068

Ion Ratio Lower Upper

152 100

150 152.8 123.0 184.4

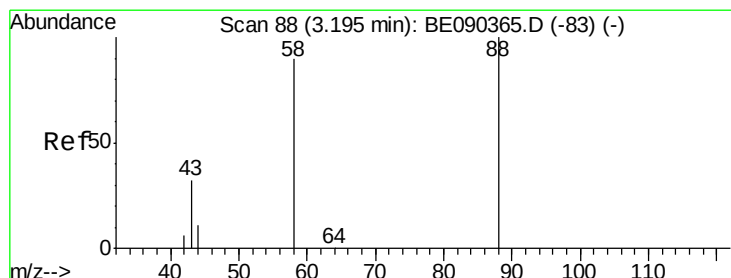
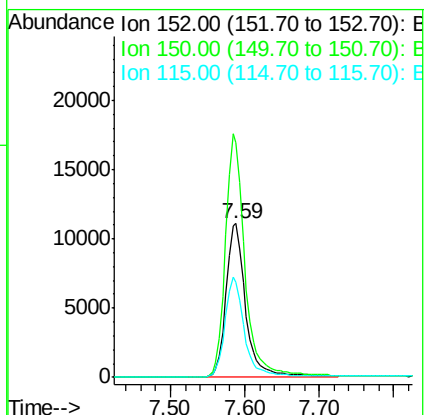
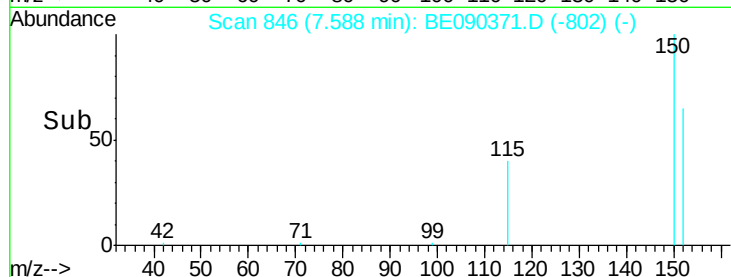
115 62.0 48.9 73.3



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: 3.22 min Scan# 92

Delta R.T. 0.03 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

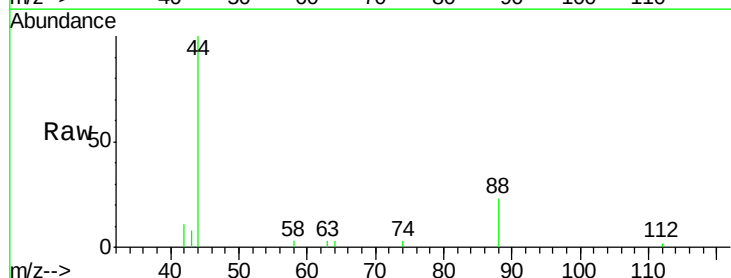
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

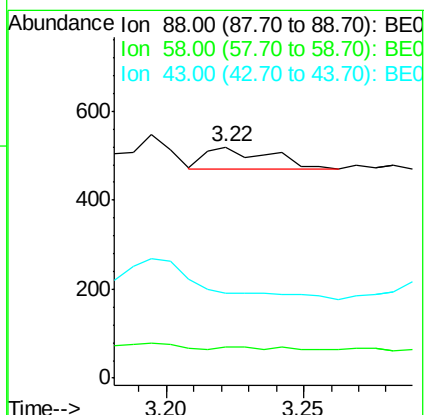
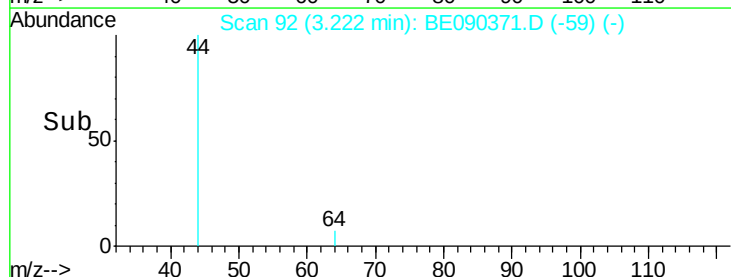
43 0.0 28.4 42.6#

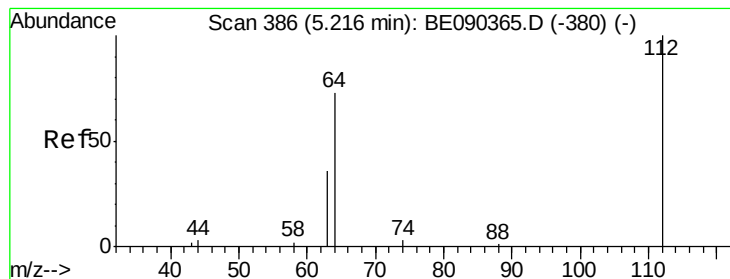


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.55 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S

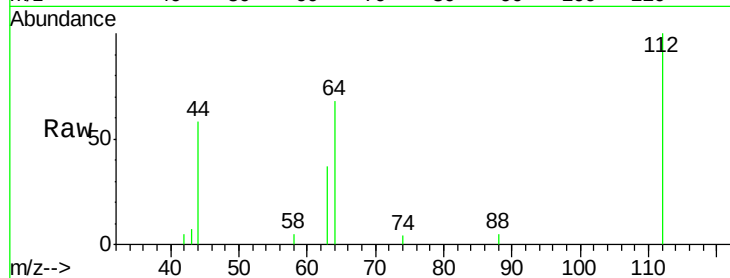
Tgt Ion: 112 Resp: 8949

Ion Ratio Lower Upper

112 100

64 70.6 37.1 55.7#

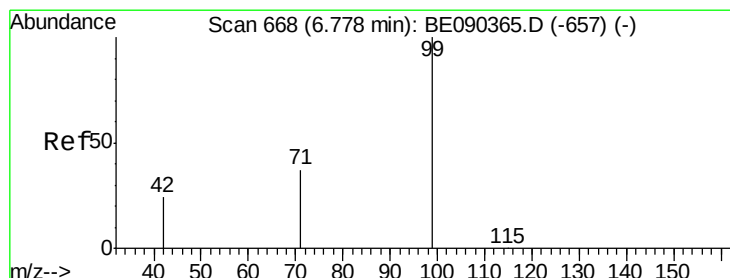
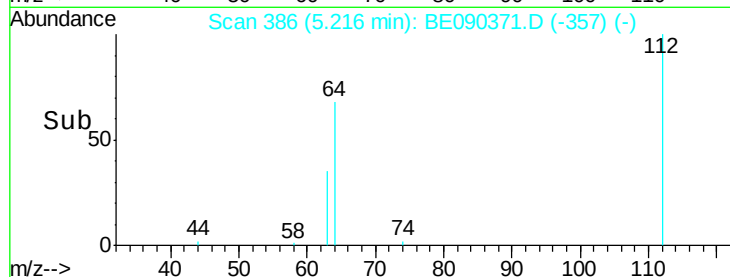
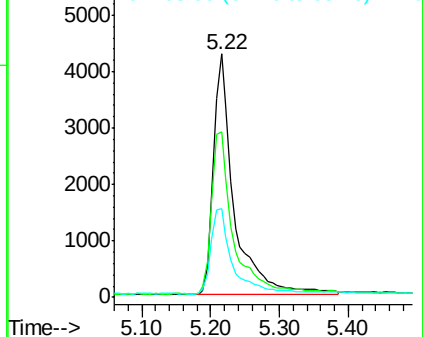
63 37.8 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.36 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

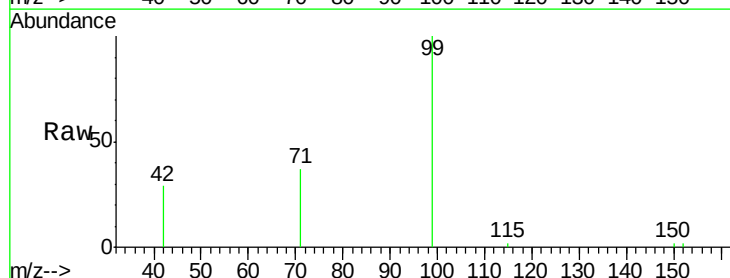
Tgt Ion: 99 Resp: 7496

Ion Ratio Lower Upper

99 100

42 22.5 18.2 27.4

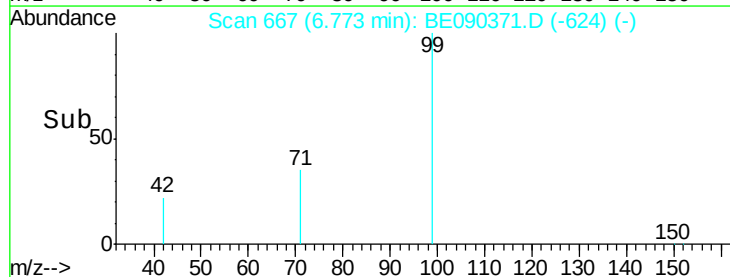
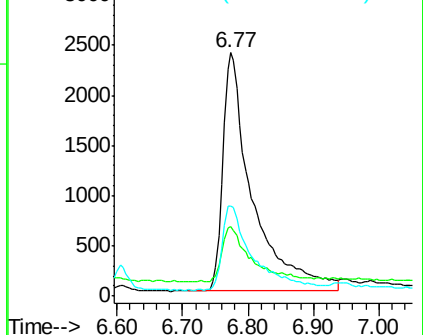
71 36.5 27.4 41.0

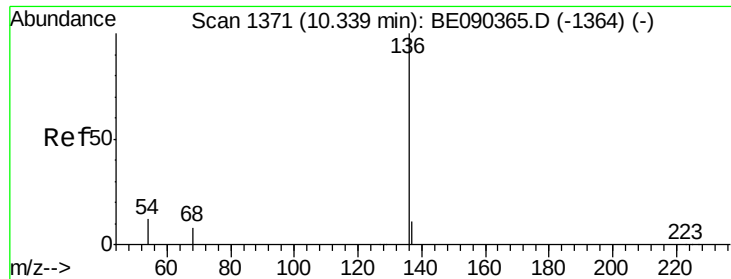


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S

Tgt Ion:136 Resp: 90622

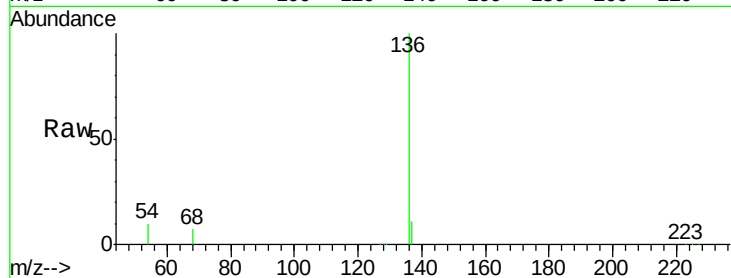
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.9 9.4 14.0

68 7.2 6.5 9.7

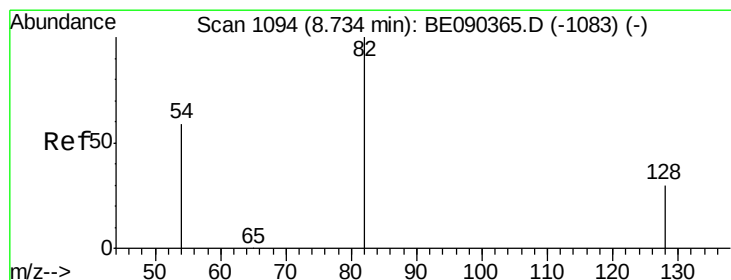
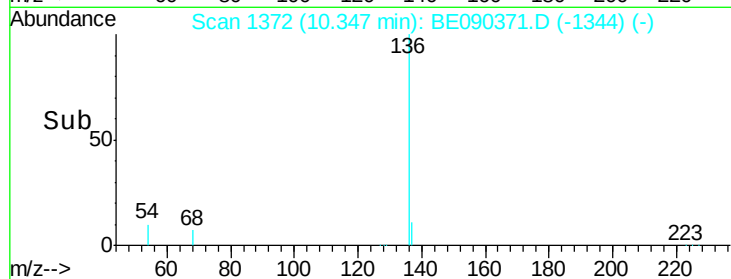
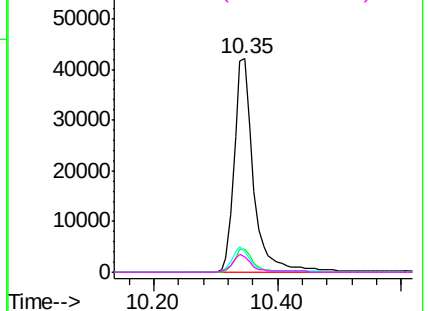


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.40 ng

RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

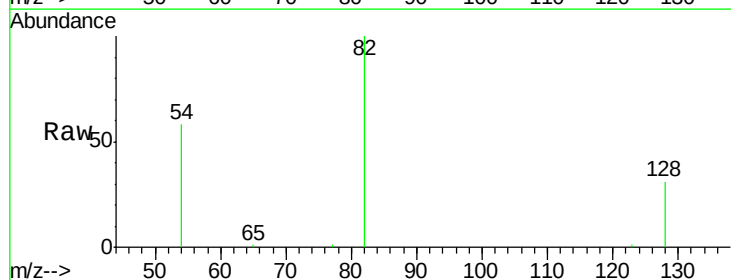
Tgt Ion: 82 Resp: 24573

Ion Ratio Lower Upper

82 100

128 31.0 25.0 37.6

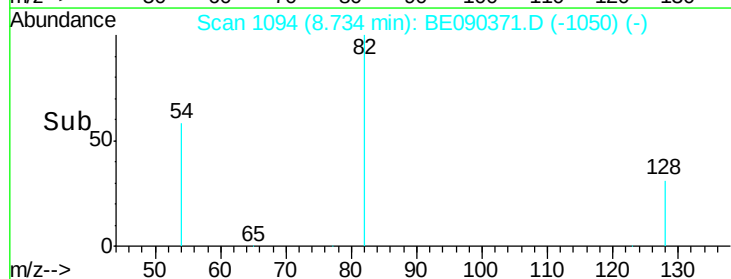
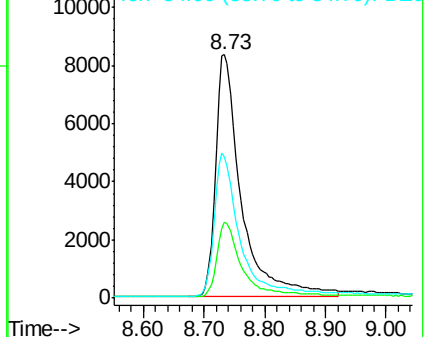
54 58.1 48.8 73.2

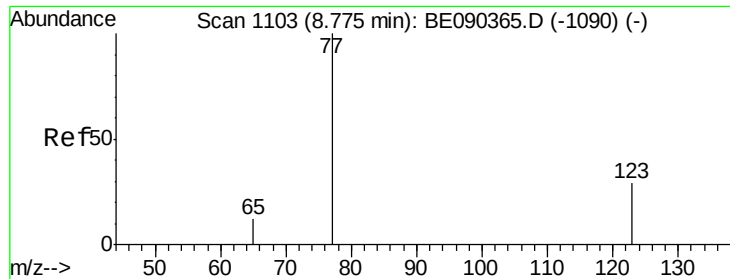


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S

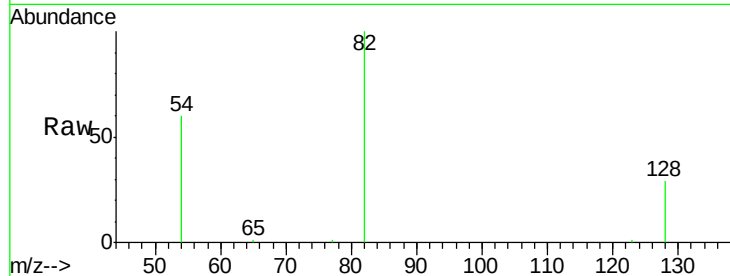
Tgt Ion: 77 Resp: 64

Ion Ratio Lower Upper

77 100

123 6.3 25.1 37.7#

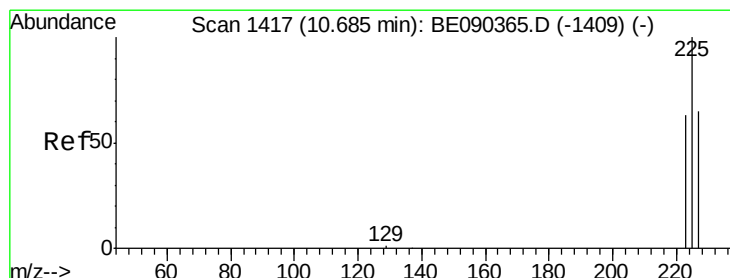
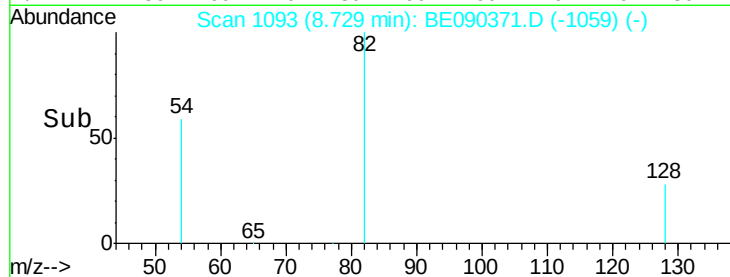
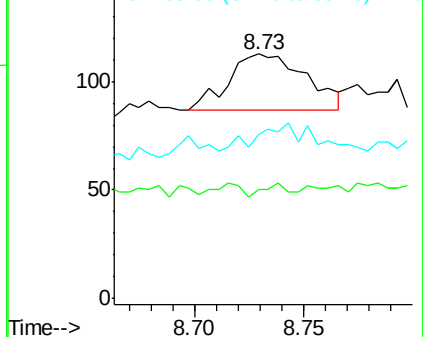
65 48.4 9.3 13.9#



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: 10.70 min Scan# 1419

Delta R.T. 0.02 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

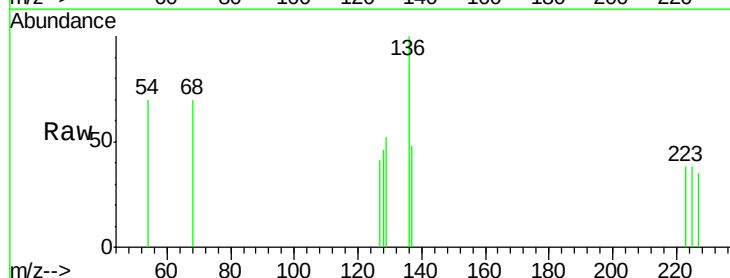
Tgt Ion: 225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

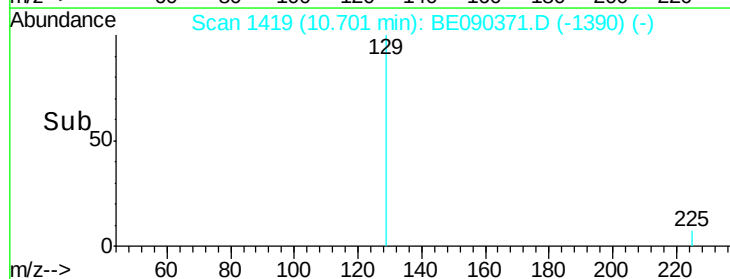
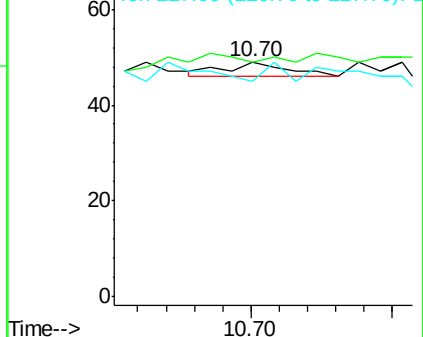
227 40.0 50.7 76.1#

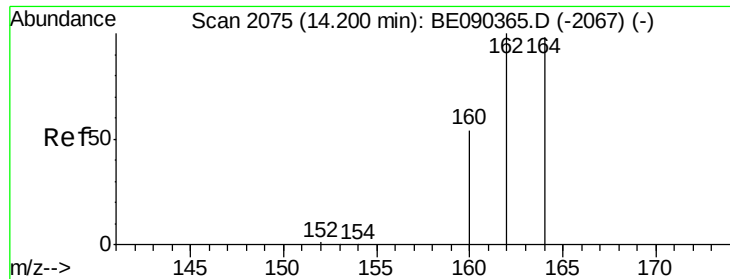


Abundance Ion 225.00 (224.70 to 225.70): E

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: BE090371.D

Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S

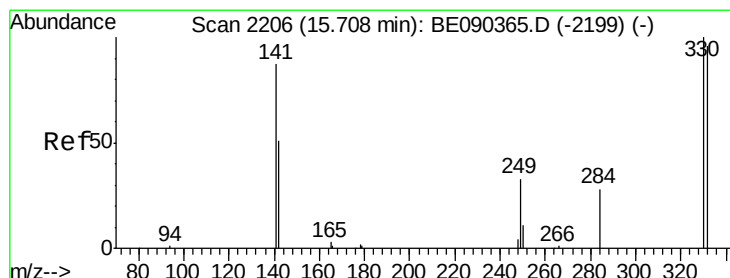
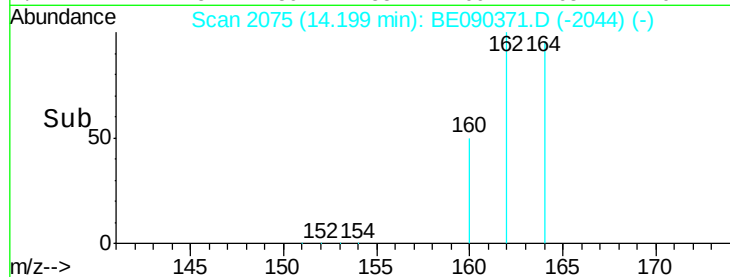
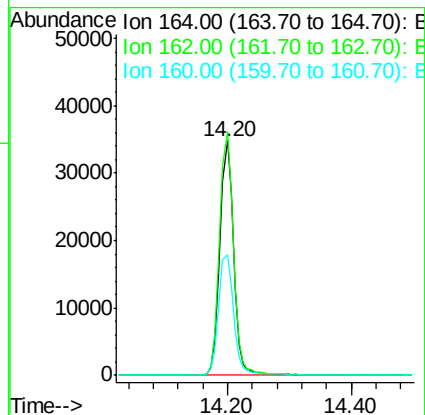
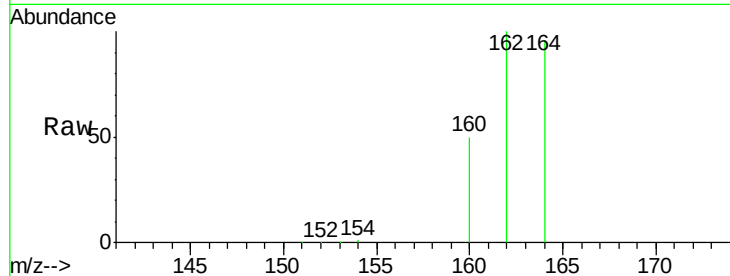
Tgt Ion:164 Resp: 52953

Ion Ratio Lower Upper

164 100

162 104.0 81.8 122.8

160 51.8 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 6.32 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

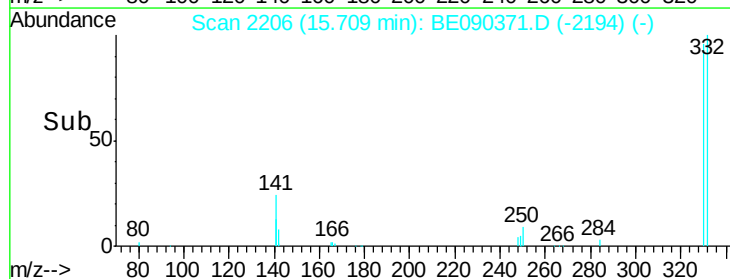
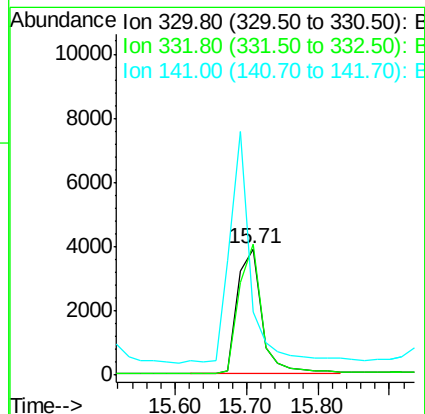
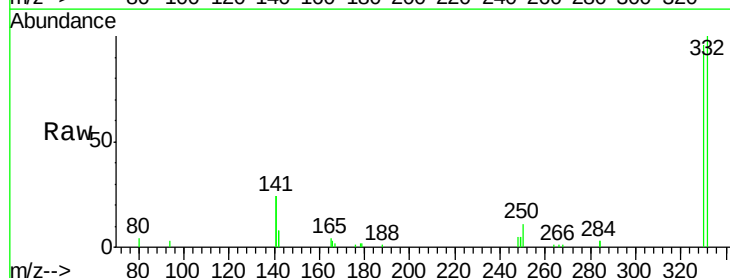
Tgt Ion:330 Resp: 9201

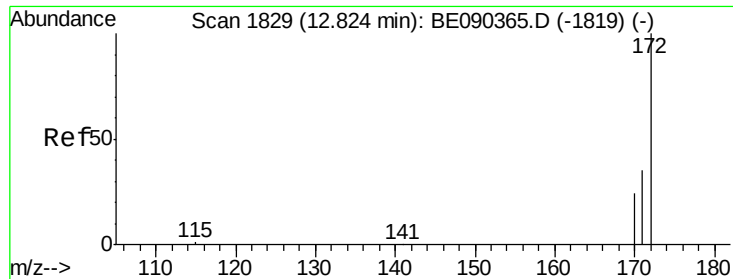
Ion Ratio Lower Upper

330 100

332 97.7 75.8 113.6

141 159.2 114.4 171.6

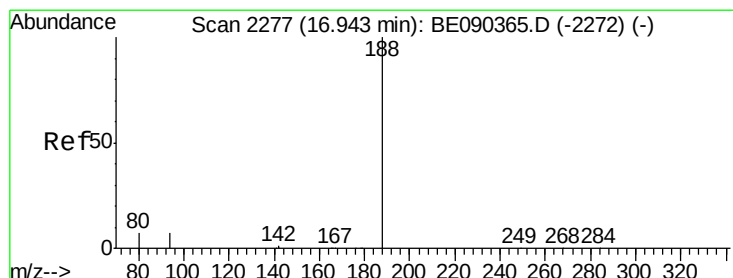
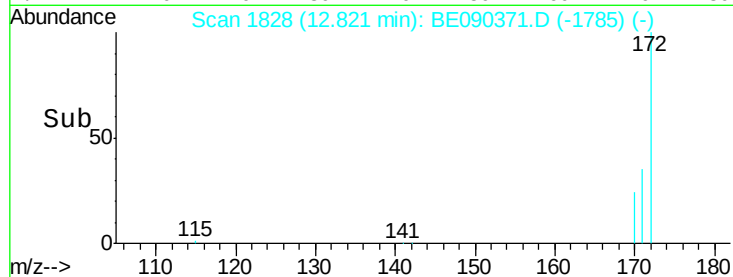
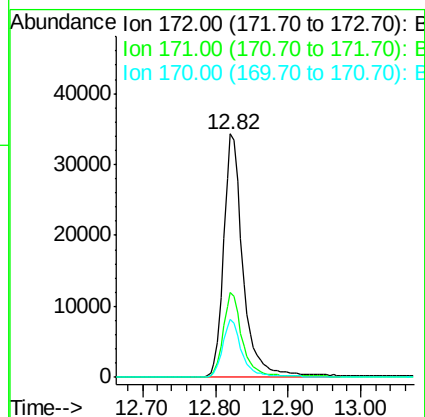
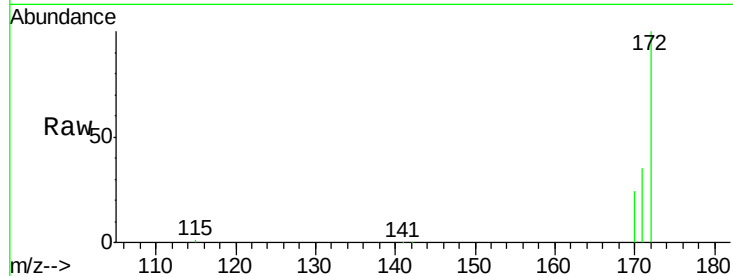




#14
2-Fluorobiphenyl
Concen: 4.37 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090371.D
Acq: 5 Aug 2015 22:19

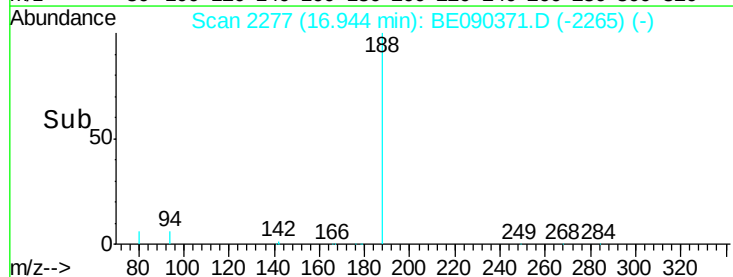
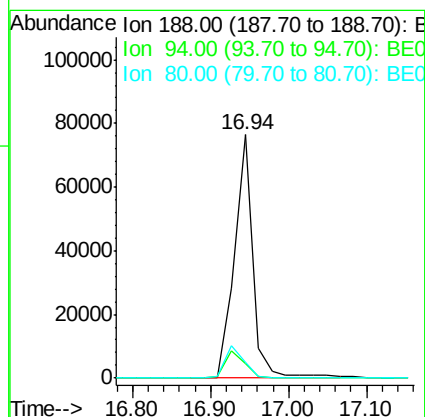
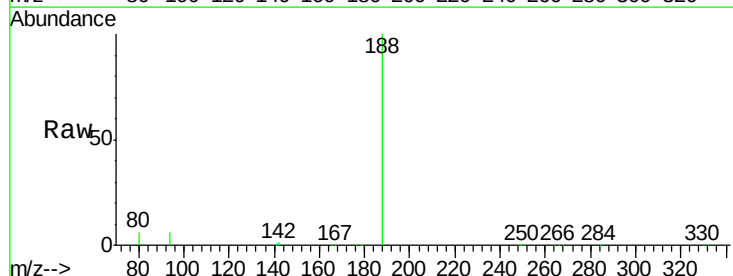
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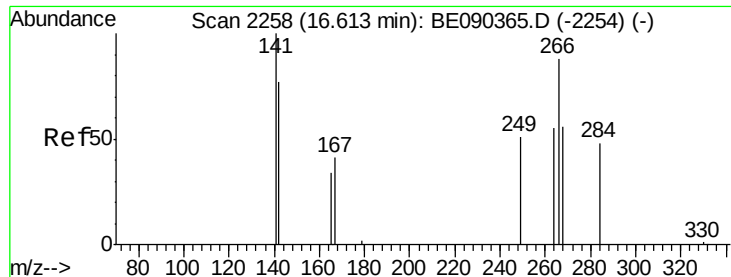
Tgt Ion:172 Resp: 63623
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.9 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090371.D
Acq: 5 Aug 2015 22:19

Tgt Ion:188 Resp: 125221
Ion Ratio Lower Upper
188 100
94 6.2 5.7 8.5
80 6.4 5.8 8.8





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S

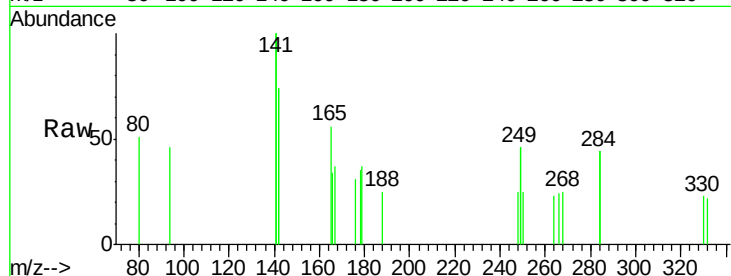
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

268 105.9 58.5 87.7#

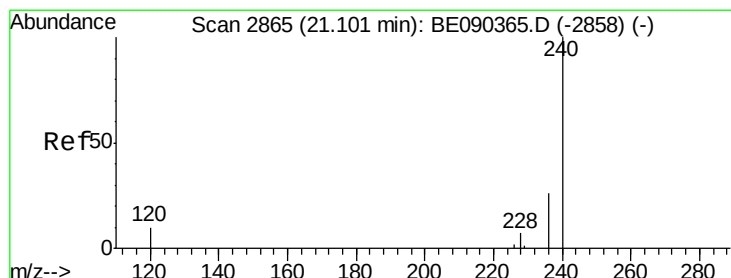
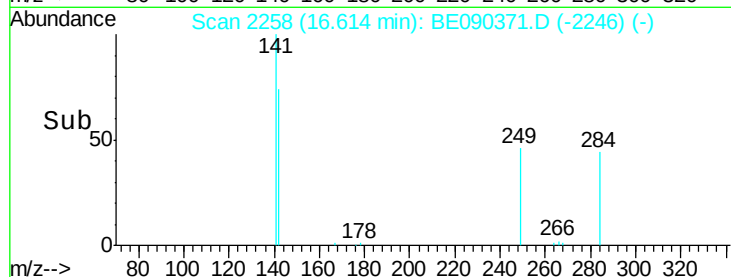
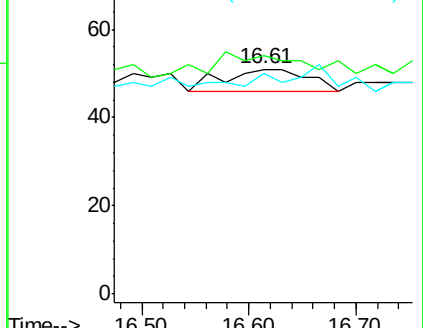
264 98.0 56.0 84.0#



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: 21.10 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

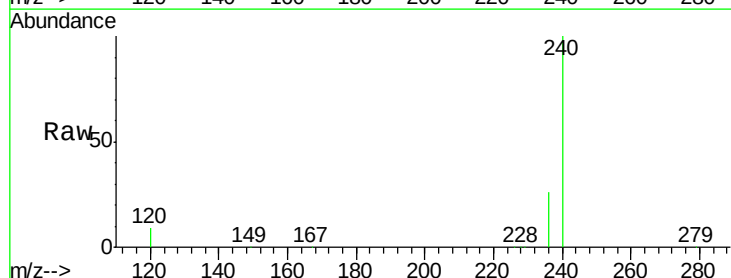
Tgt Ion:240 Resp: 155780

Ion Ratio Lower Upper

240 100

120 9.2 8.3 12.5

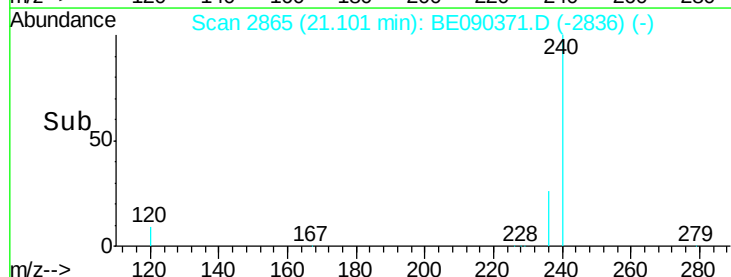
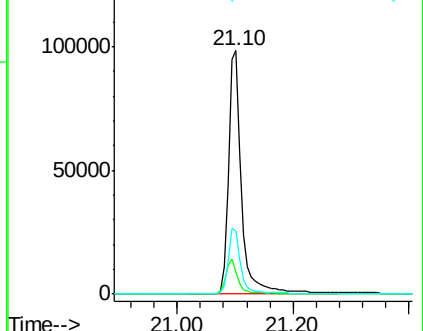
236 26.1 21.0 31.4

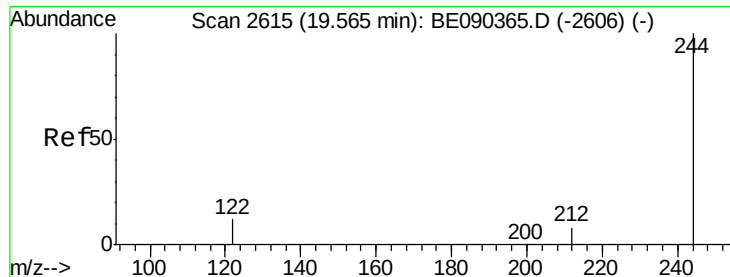


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

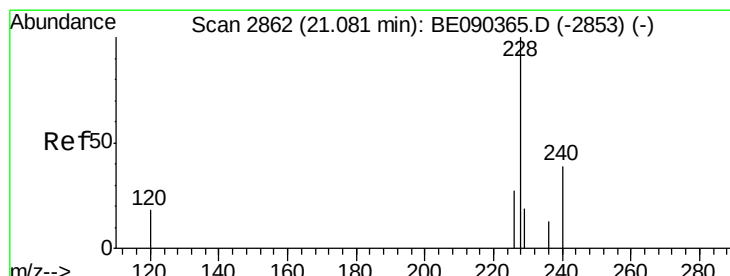
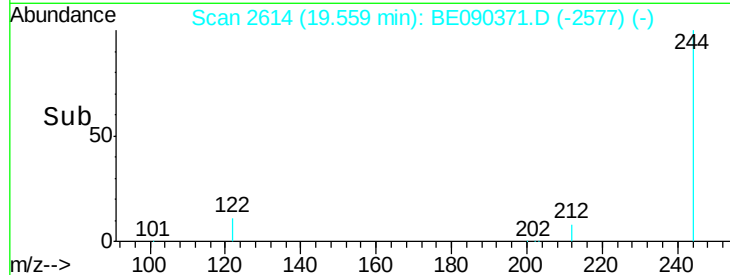
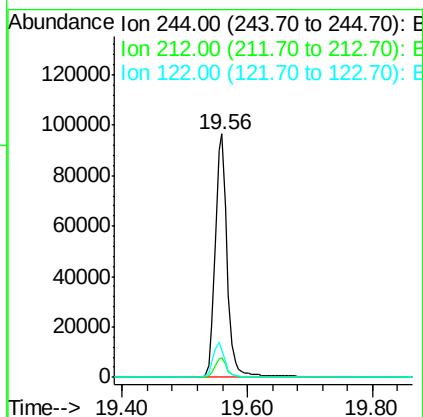
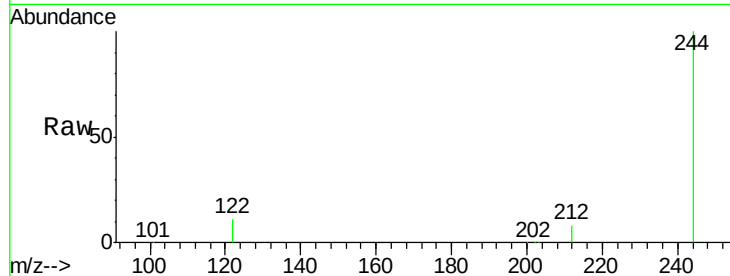




#27
 Terphenyl-d14
 Concen: 5.60 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090371.D
 Acq: 5 Aug 2015 22:19

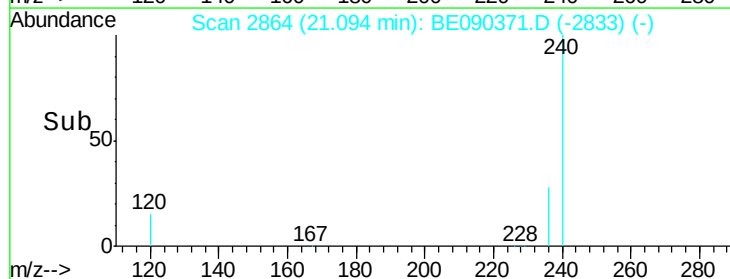
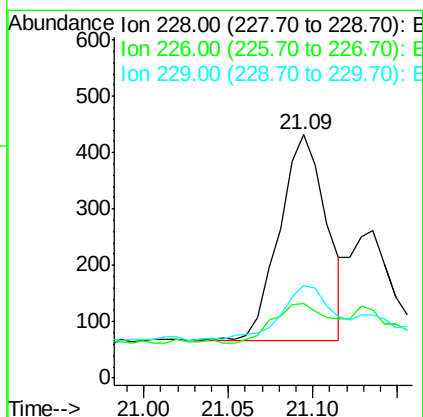
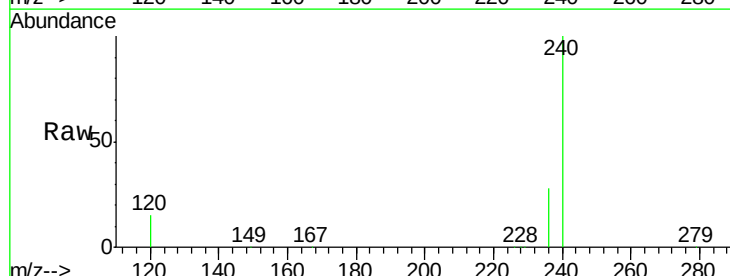
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-D-S

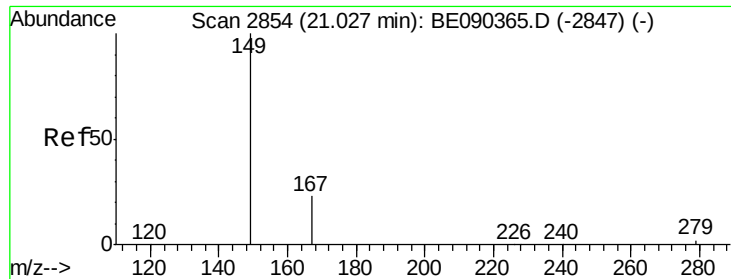
Tgt Ion:244 Resp: 128626
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 11.5 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. 0.01 min
 Lab File: BE090371.D
 Acq: 5 Aug 2015 22:19

Tgt Ion:228 Resp: 705
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.9 32.9
 229 38.0 15.4 23.0#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.58 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

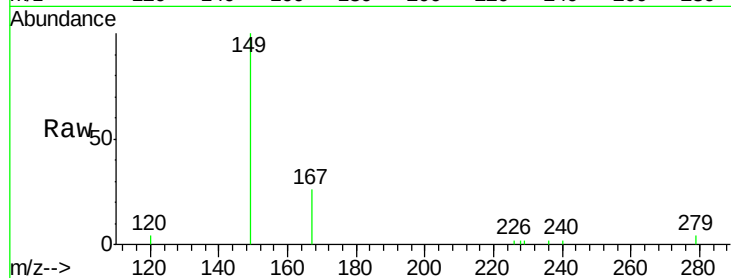
Instrument :

BNA_E

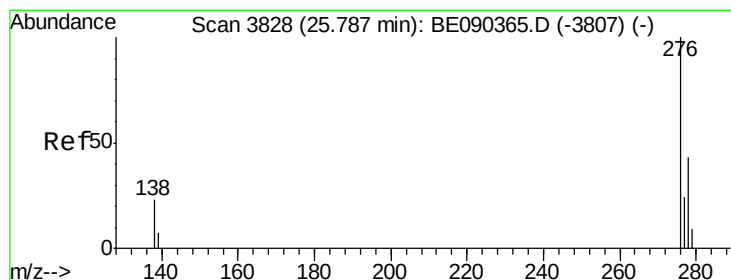
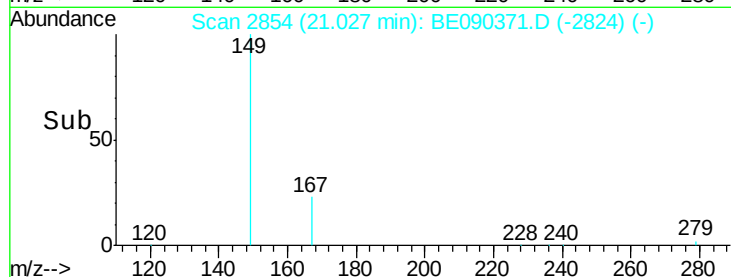
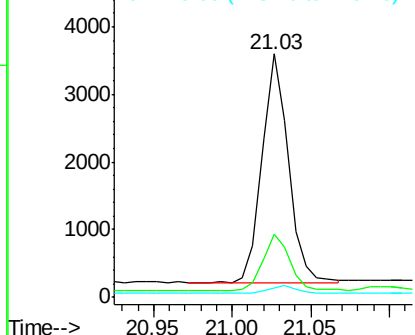
ClientSampleId :

080315-D506-E-D-S

Tgt Ion:	149	Resp:	3985
Ion	Ratio	Lower	Upper
149	100		
167	25.3	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: 0.28 ng

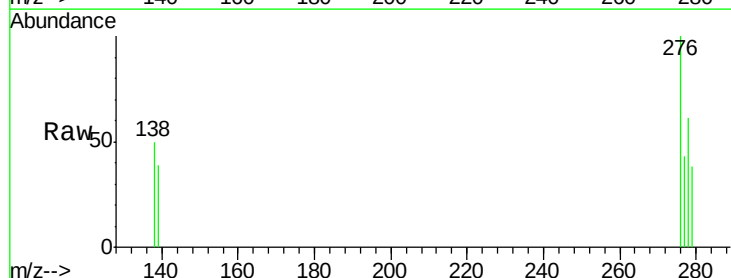
RT: 25.79 min Scan# 3829

Delta R.T. 0.00 min

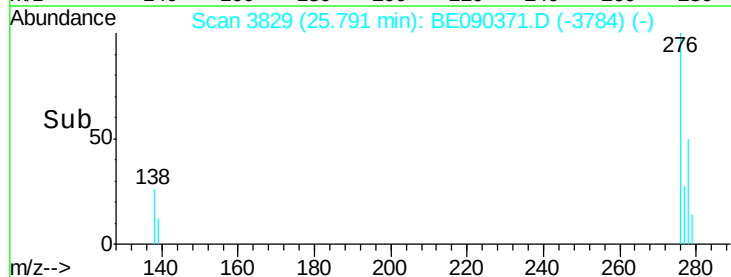
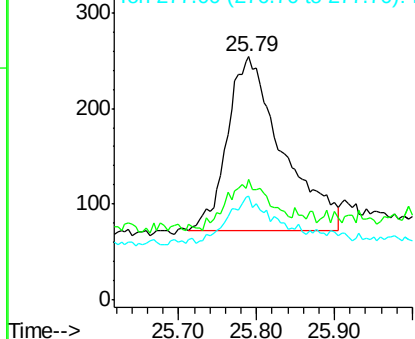
Lab File: BE090371.D

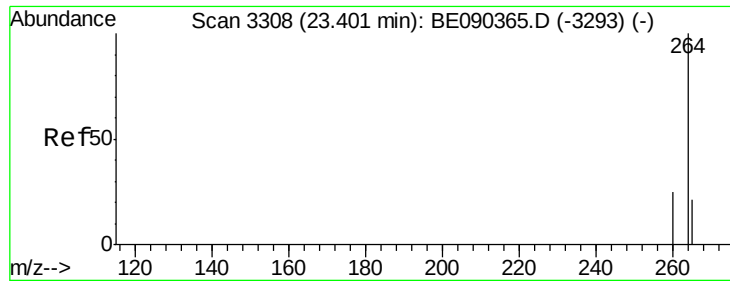
Acq: 5 Aug 2015 22:19

Tgt Ion:	276	Resp:	896
Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.8	28.2
277	21.4	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

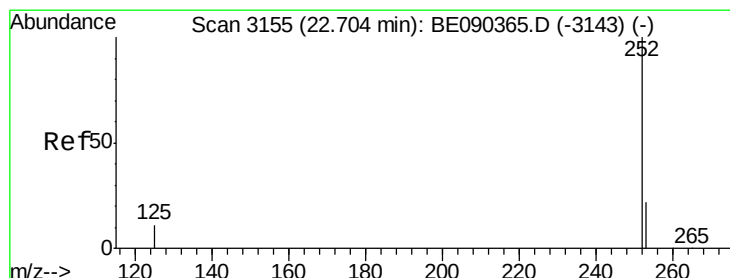
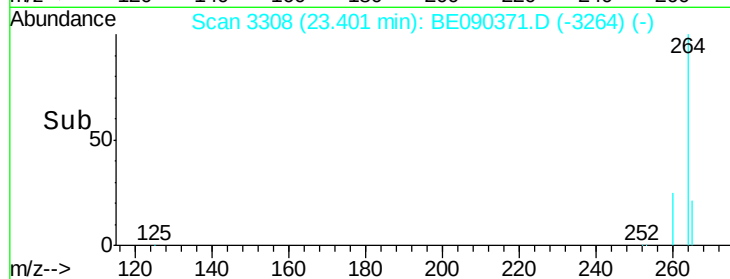
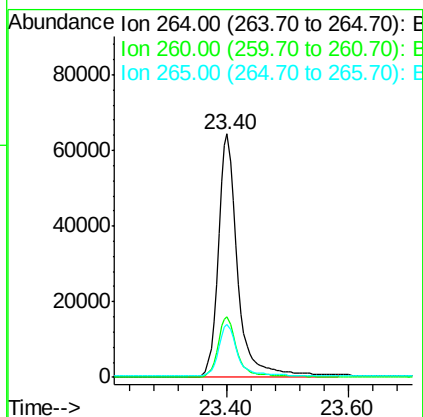
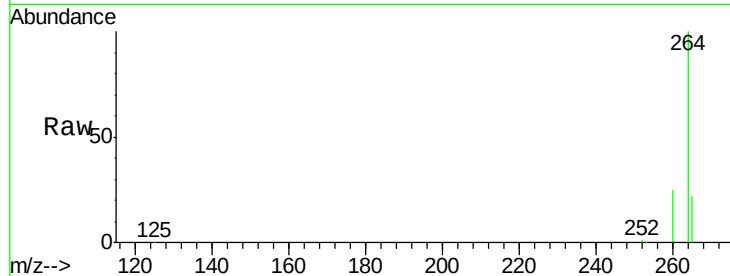




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: BE090371.D
 Acq: 5 Aug 2015 22:19

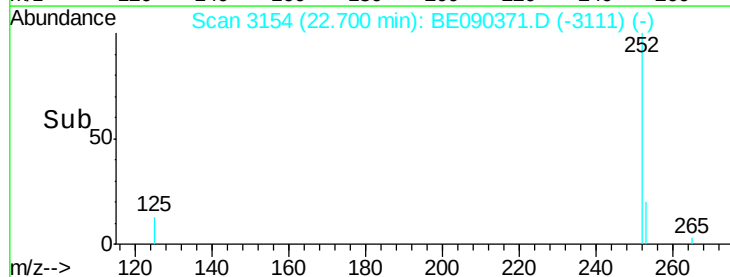
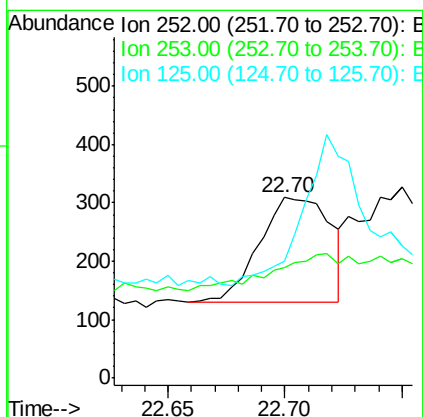
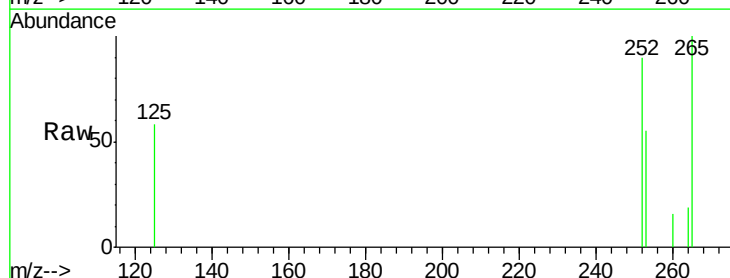
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-D-S

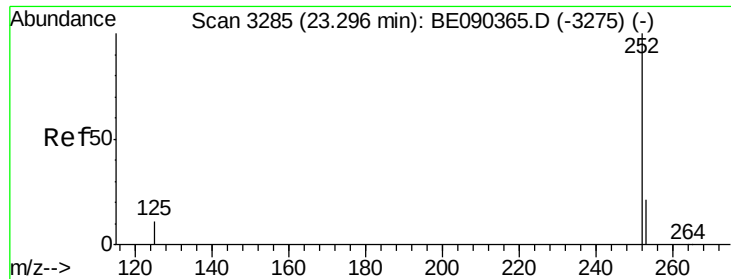
Tgt Ion: 264 Resp: 143354
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 21.9 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090371.D
 Acq: 5 Aug 2015 22:19

Tgt Ion: 252 Resp: 378
 Ion Ratio Lower Upper
 252 100
 253 61.5 18.1 27.1#
 125 65.0 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S

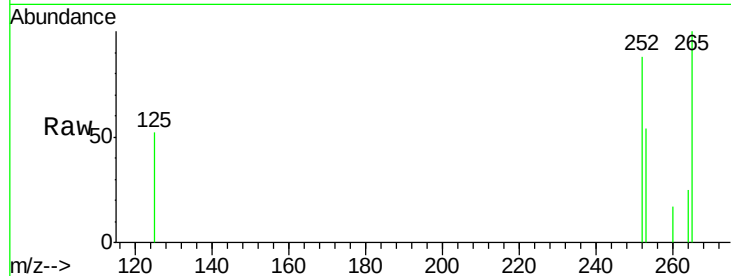
Tgt Ion:252 Resp: 465

Ion Ratio Lower Upper

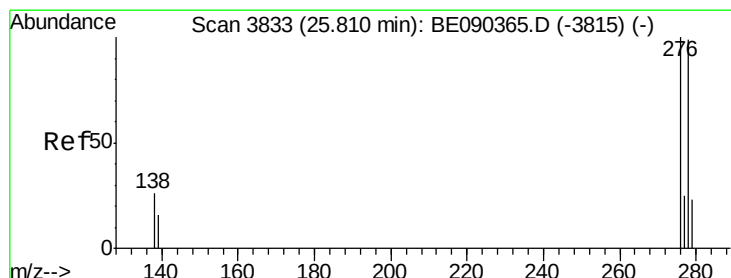
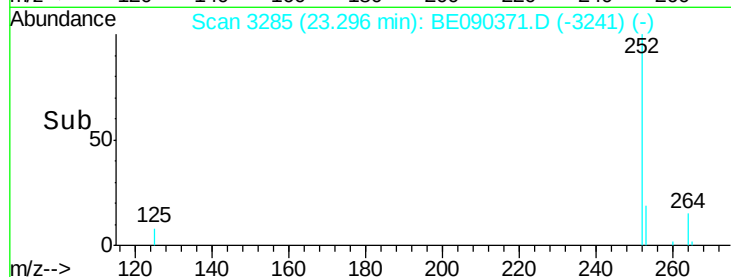
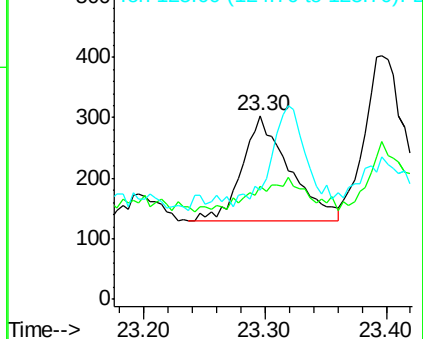
252 100

253 61.7 17.6 26.4#

125 59.4 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: 0.31 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090371.D

Acq: 5 Aug 2015 22:19

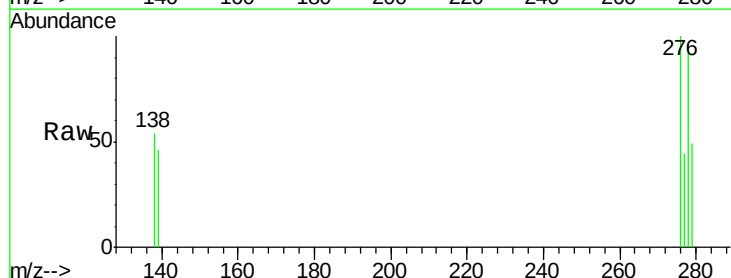
Tgt Ion:278 Resp: 643

Ion Ratio Lower Upper

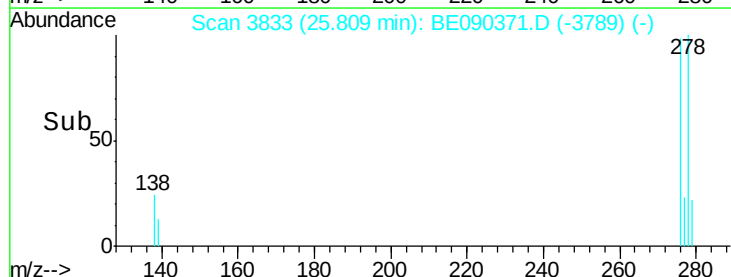
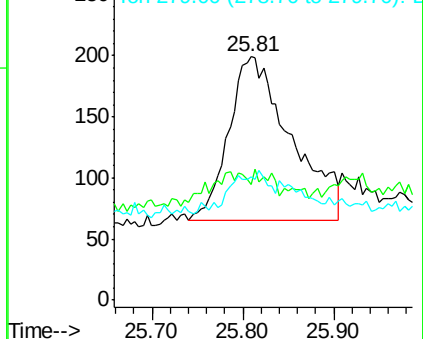
278 100

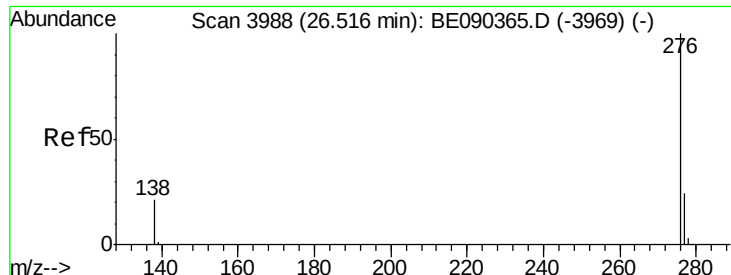
139 47.7 14.2 21.4#

279 50.8 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





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.52 min Scan# 3988

Delta R.T. -0.00 min

Lab File: BE090371.D

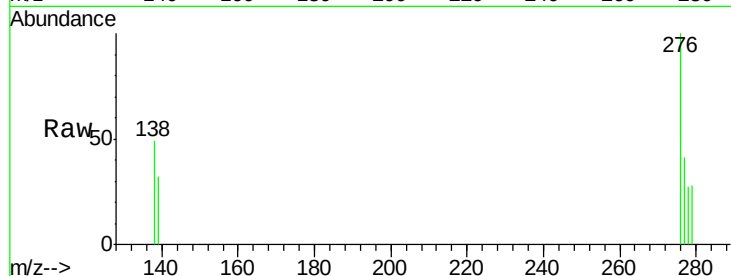
Acq: 5 Aug 2015 22:19

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-D-S



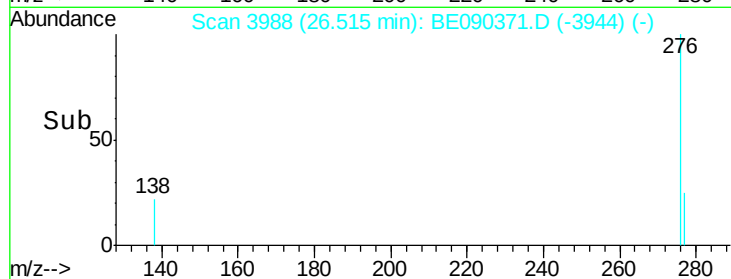
Tgt Ion: 276 Resp: 780

Ion Ratio Lower Upper

276 100

277 40.8 20.1 30.1#

138 49.0 18.1 27.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

