

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090490.D
 Acq On : 13 Aug 2015 5:01
 Operator : UM/IZ
 Sample : G3248-02
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 05:50:22 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	20105	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	94496	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	53957	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	125968	5.00	ng	0.00
25) Chrysene-d12	21.09	240	149307	5.00	ng	0.00
32) Perylene-d12	23.39	264	141822	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	48	0.02	ng	0.00
5) Phenol-d6	6.77	99	2052	0.55	ng	0.00
7) Nitrobenzene-d5	8.72	82	25123	3.34	ng	-0.01
13) 2,4,6-Tribromophenol	15.71	330	13	0.12	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	57927	3.90	ng	0.00
27) Terphenyl-d14	19.55	244	94794	4.31	ng	-0.01

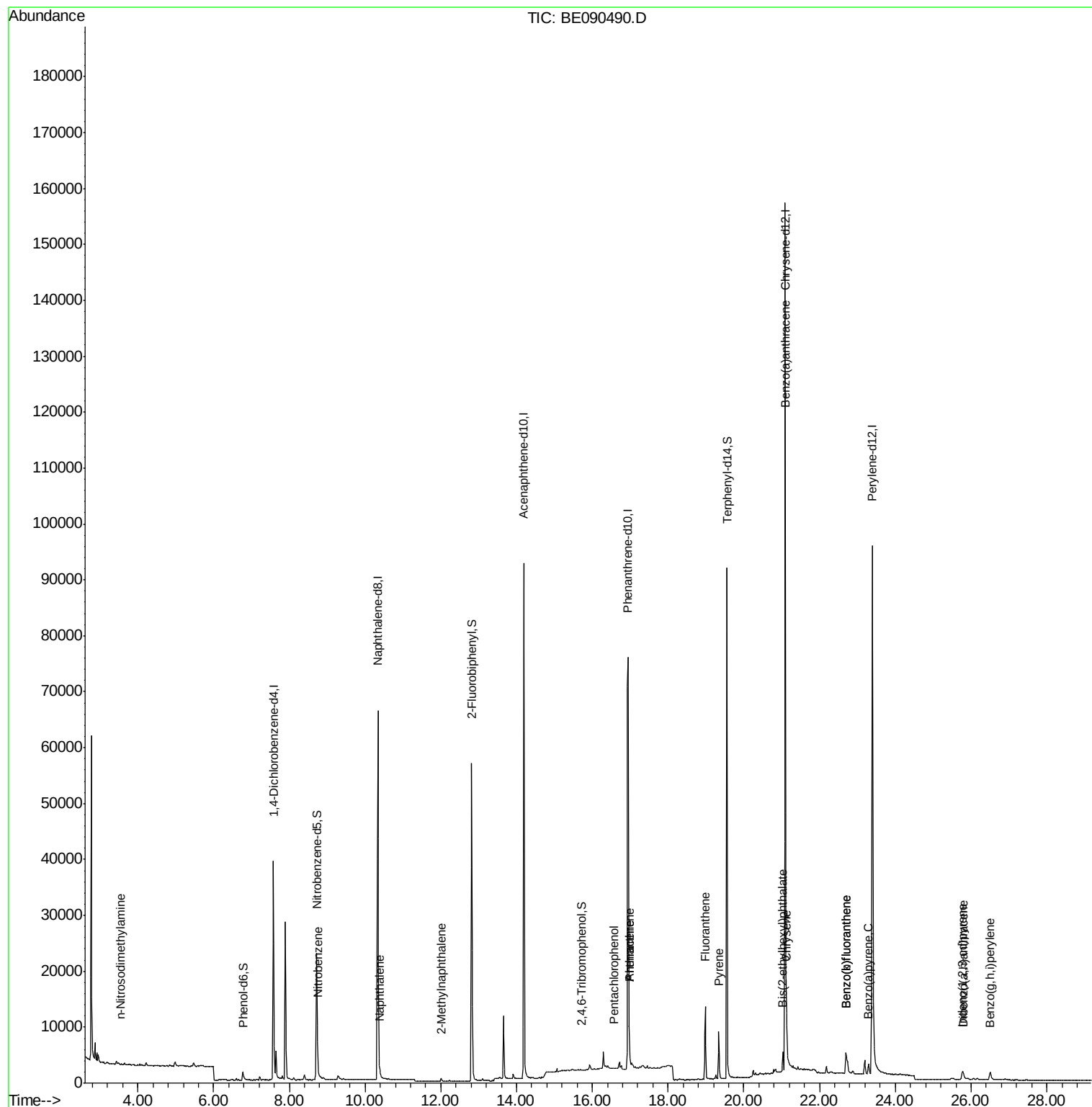
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	25	Below Cal	#	55
3) n-Nitrosodimethylamine	3.54	42	70	0.02	ng	10
8) Nitrobenzene	8.75	77	112	0.22	ng	74
9) Naphthalene	10.38	128	923	0.04	ng	79
10) Hexachlorobutadiene	10.53	225	7	Below Cal		92
11) 2-Methylnaphthalene	12.01	142	397	0.03	ng	89
21) Pentachlorophenol	16.58	266	13	0.10	ng	62
22) Phenanthrene	16.98	178	6935	0.22	ng	96
23) Anthracene	16.98	178	6743	0.26	ng	99
24) Fluoranthene	18.98	202	12678	0.41	ng	99
26) Pyrene	19.34	202	7822	0.24	ng	98
28) Benzo(a)anthracene	21.08	228	3793	0.11	ng	91
29) Chrysene	21.13	228	6044	0.15	ng	92
30) Bis(2-ethylhexyl)phthalate	21.03	149	3532	0.54	ng	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	3194	0.34	ng	99
33) Benzo(b)fluoranthene	22.70	252	9658	0.48	ng	64
34) Benzo(k)fluoranthene	22.70	252	9658	0.24	ng	64
35) Benzo(a)pyrene	23.29	252	2977	0.32	ng	51
36) Dibenzo(a,h)anthracene	25.79	278	1048	0.32	ng	48
37) Benzo(a,h,i)perylene	26.51	276	3273	0.12	ng	88

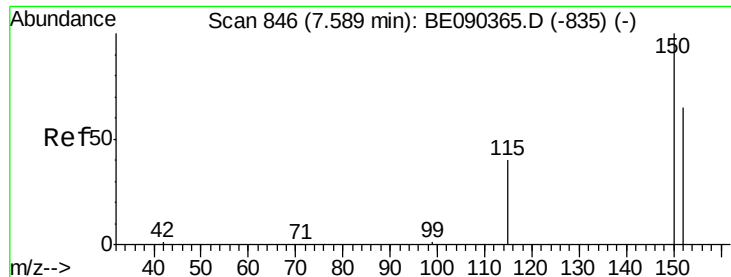
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
Data File : BE090490.D
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Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_E
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Quant Time: Aug 13 05:50:22 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: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

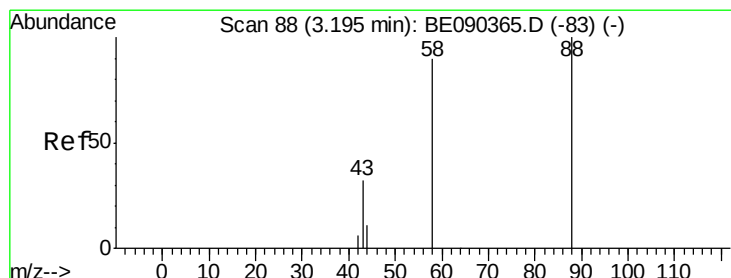
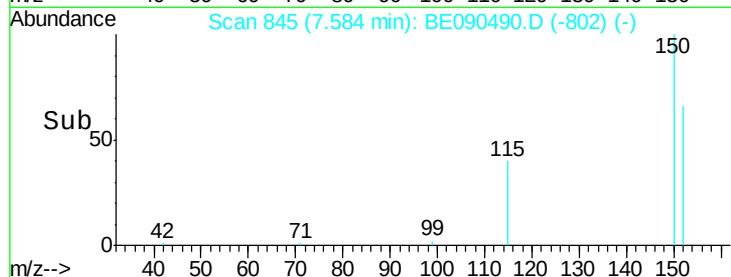
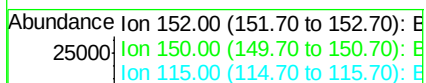
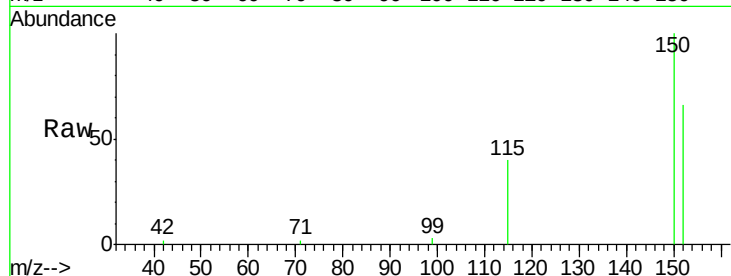
Tot Ion:152 Resp: 20105

Ion Ratio Lower Upper

152 100

150 150.8 123.0 184.4

115 60.6 48.9 73.3



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.33 min Scan# 108

Delta R.T. 0.14 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

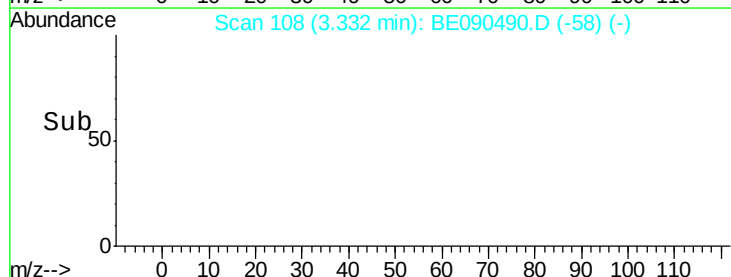
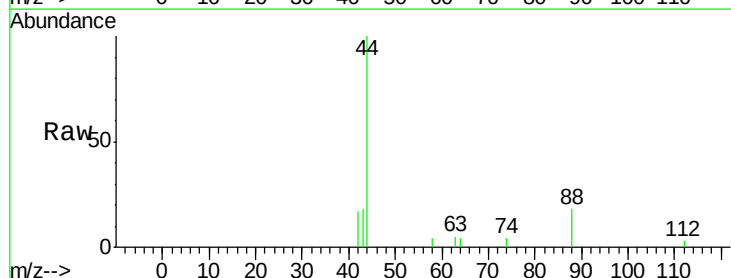
Tgt Ion: 88 Resp: 25

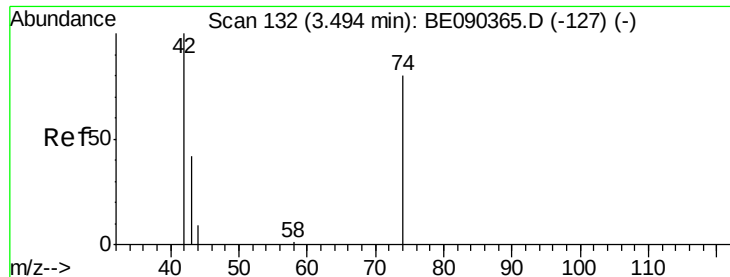
Ion Ratio Lower Upper

88 100

58 52.0 70.0 105.0#

43 0.0 28.4 42.6#





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.54 min Scan# 138

Delta R.T. 0.04 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampled :

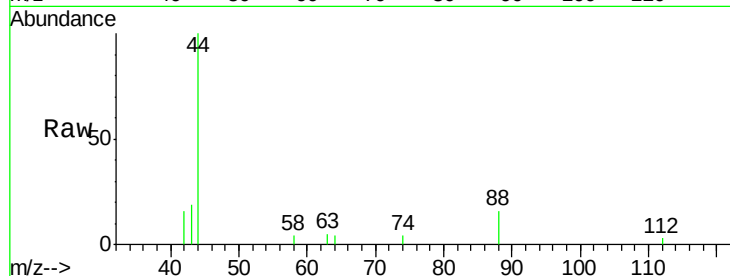
Tot Ion: 42 Resp: 70

Ion Ratio Lower Upper

42 100

74 0.0 75.2 112.8#

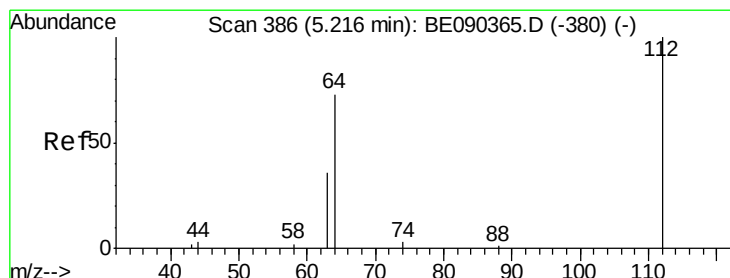
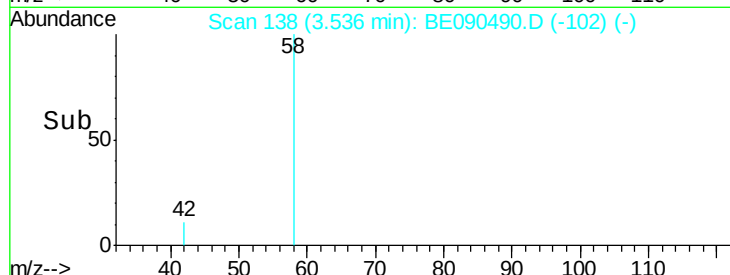
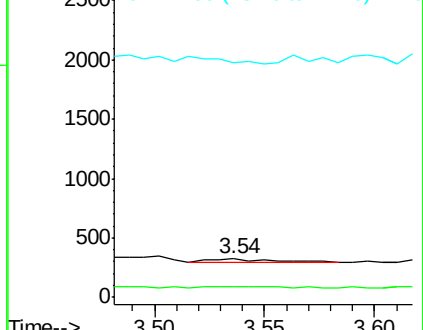
44 0.0 8.7 13.1#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.02 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

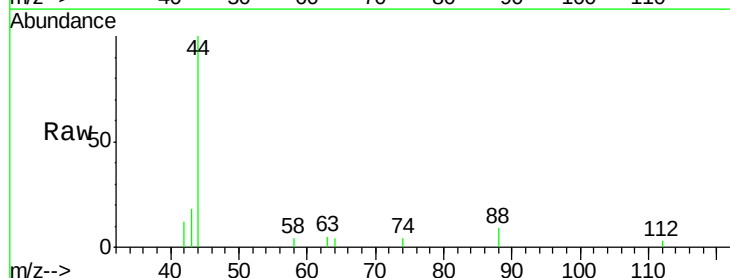
Tgt Ion: 112 Resp: 48

Ion Ratio Lower Upper

112 100

64 0.0 37.1 55.7#

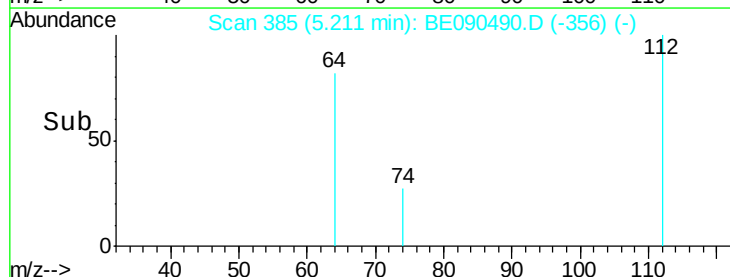
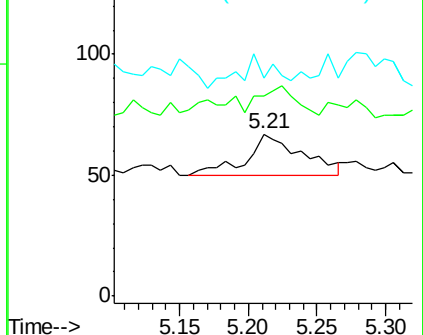
63 45.8 19.5 29.3#

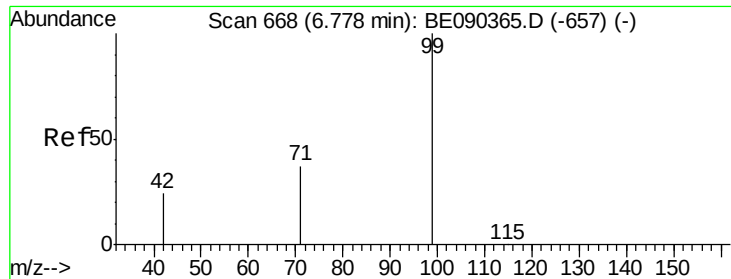


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.55 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

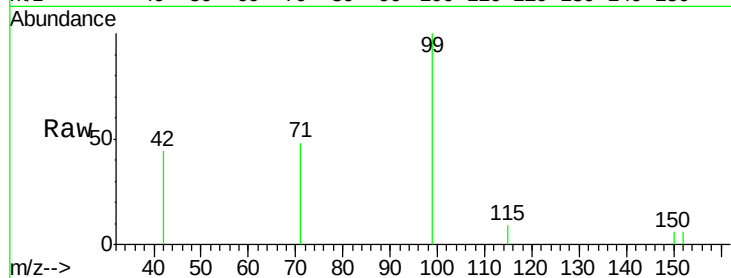
Tot Ion: 99 Resp: 2052

Ion Ratio Lower Upper

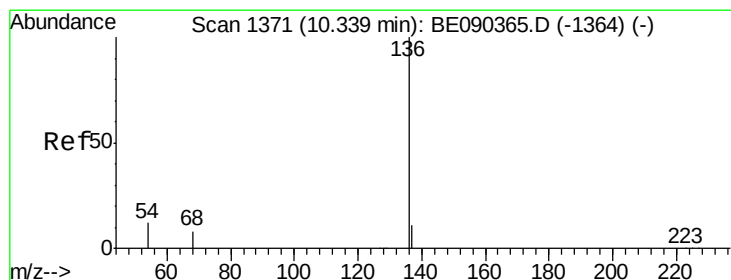
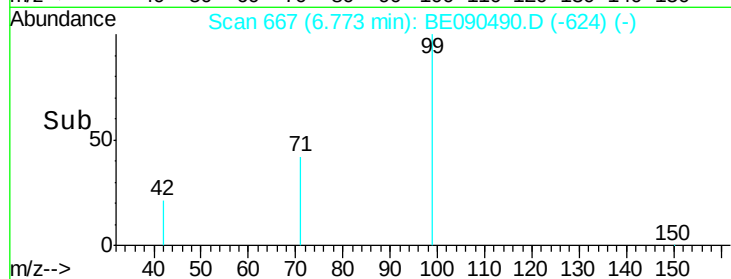
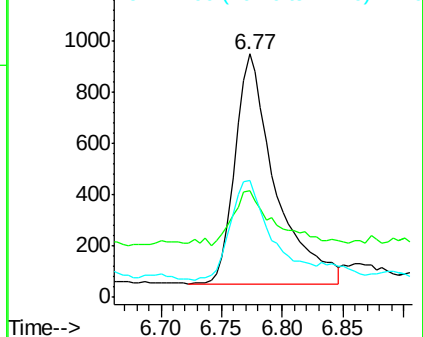
99 100

42 25.0 18.2 27.4

71 44.2 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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Tgt Ion: 136 Resp: 94496

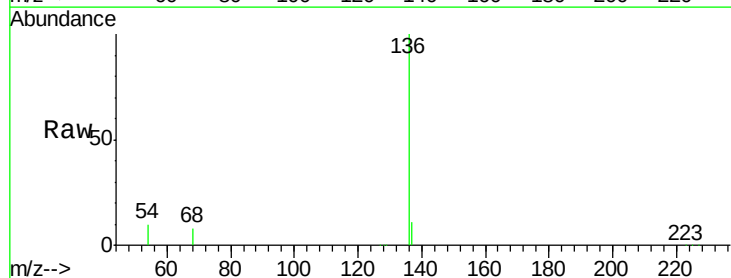
Ion Ratio Lower Upper

136 100

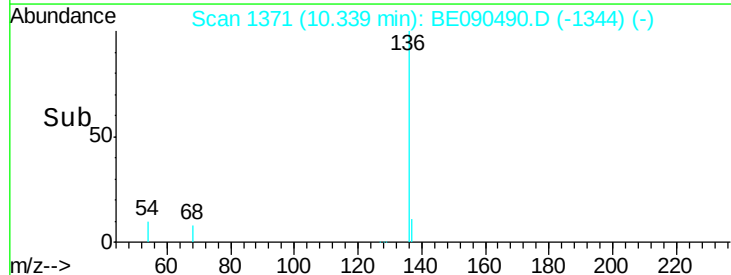
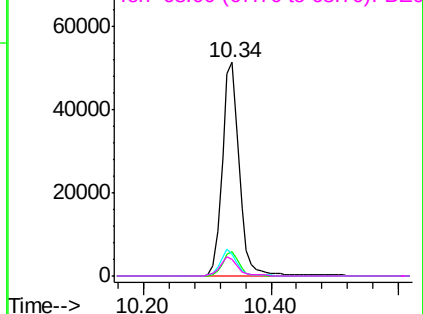
137 11.2 8.7 13.1

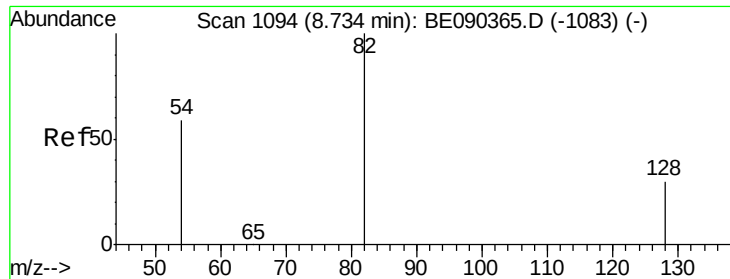
54 10.3 9.4 14.0

68 7.9 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: 3.34 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

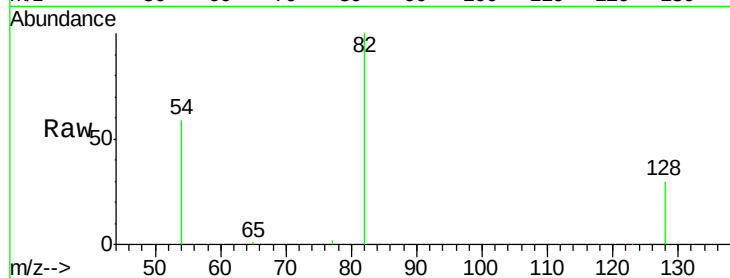
Tot Ion: 82 Resp: 25123

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.6

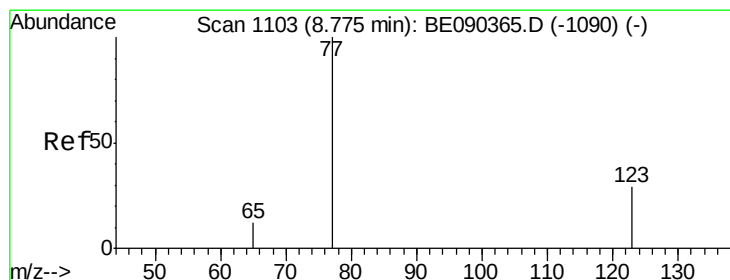
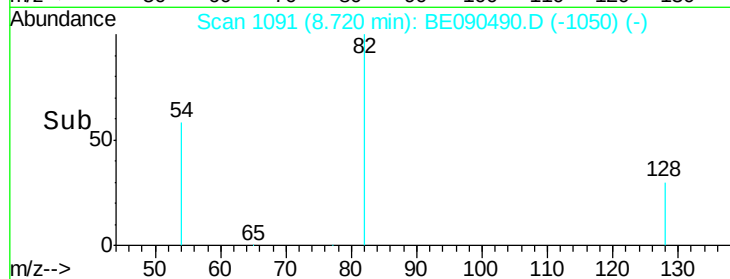
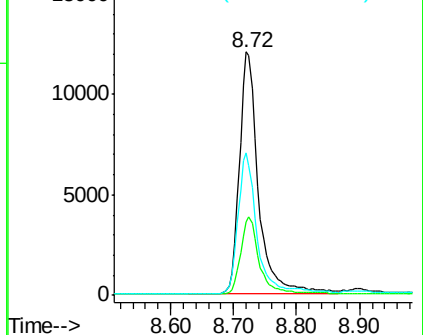
54 58.7 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.02 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

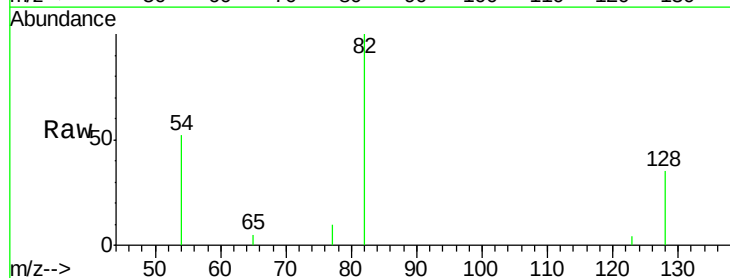
Tgt Ion: 77 Resp: 112

Ion Ratio Lower Upper

77 100

123 17.9 25.1 37.7#

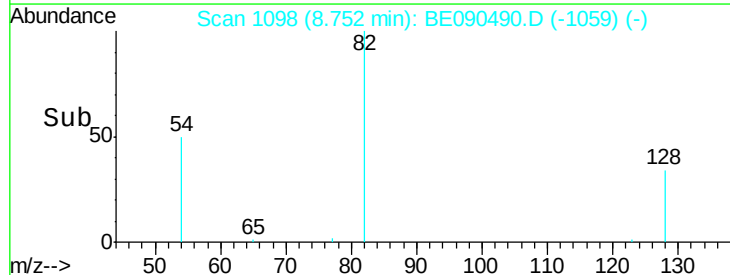
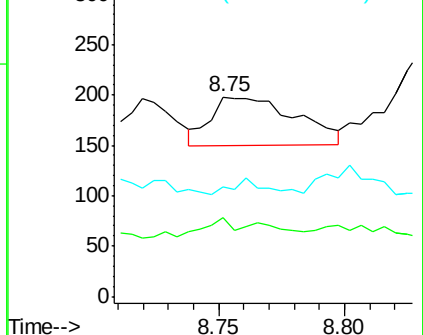
65 0.0 9.3 13.9#

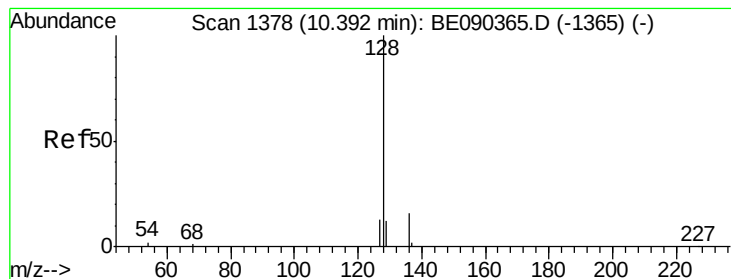


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.04 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

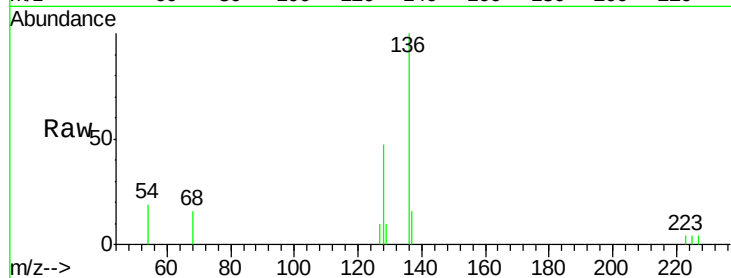
Tot Ion:128 Resp: 923

Ion Ratio Lower Upper

128 100

129 21.0 9.8 14.6#

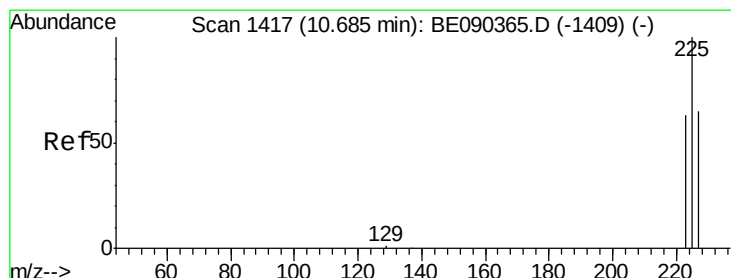
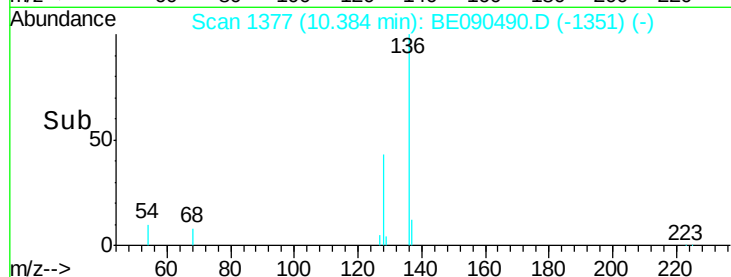
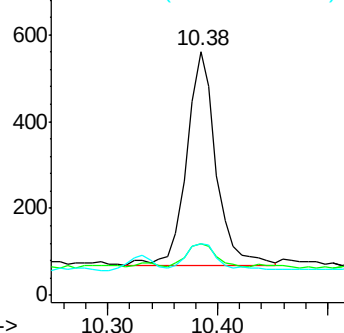
127 21.4 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.53 min Scan# 1397

Delta R.T. -0.15 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

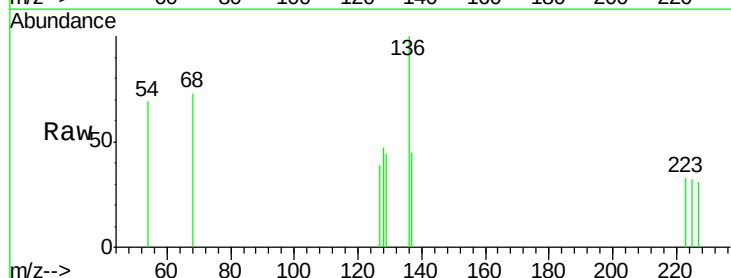
Tgt Ion:225 Resp: 7

Ion Ratio Lower Upper

225 100

223 57.1 50.6 75.8

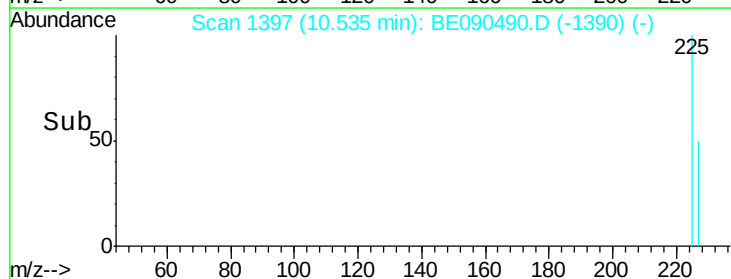
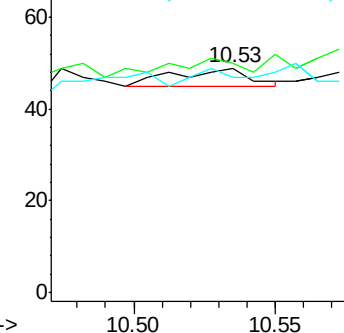
227 57.1 50.7 76.1

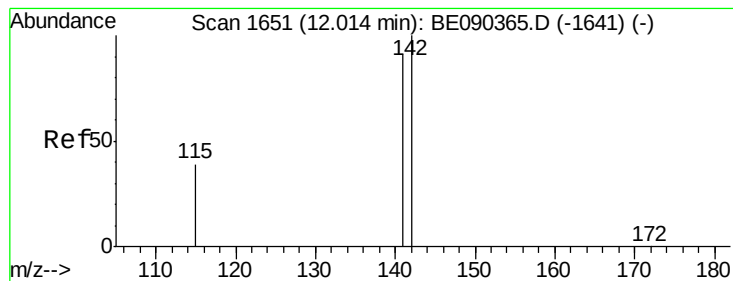


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.01 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

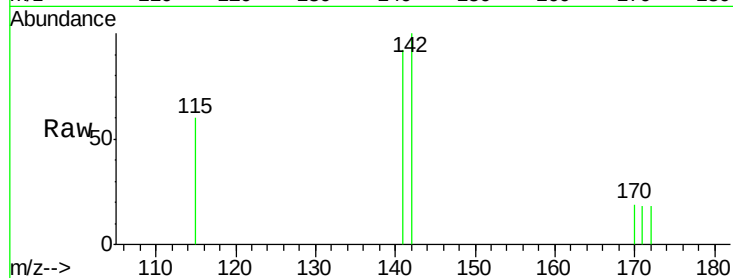
Tot Ion:142 Resp: 397

Ion Ratio Lower Upper

142 100

141 92.2 72.6 109.0

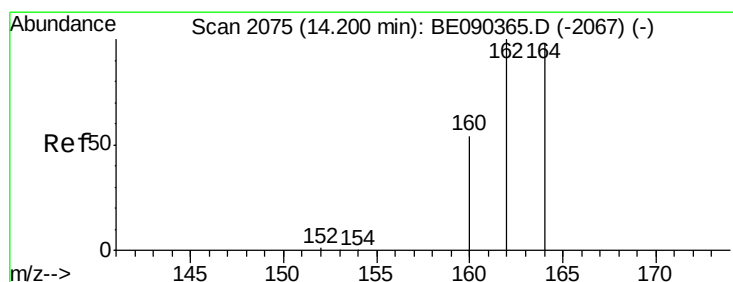
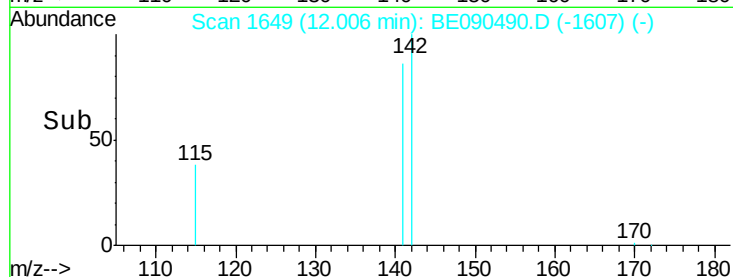
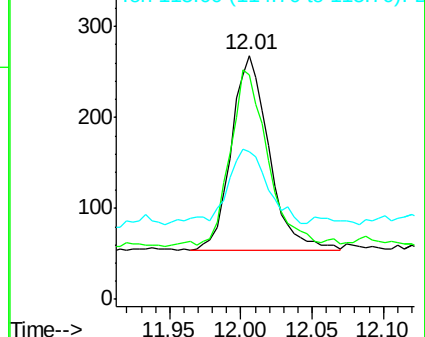
115 60.4 31.6 47.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

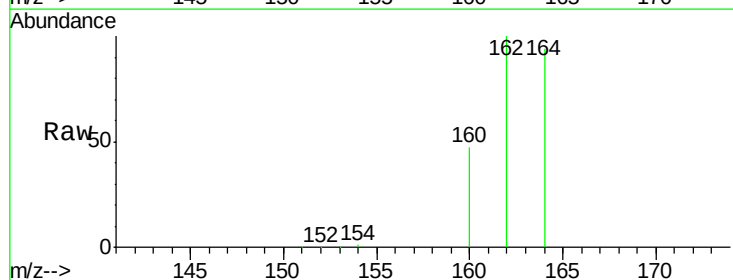
Tgt Ion:164 Resp: 53957

Ion Ratio Lower Upper

164 100

162 106.3 81.8 122.8

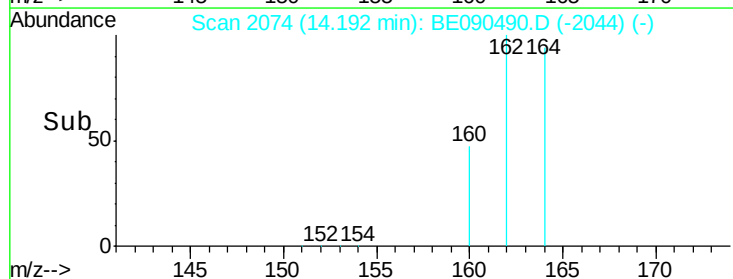
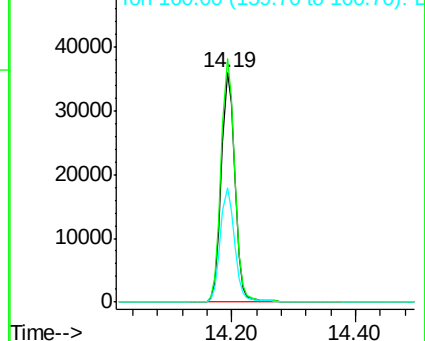
160 50.0 44.2 66.4

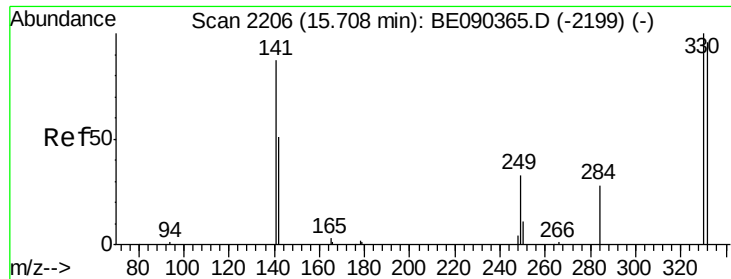


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

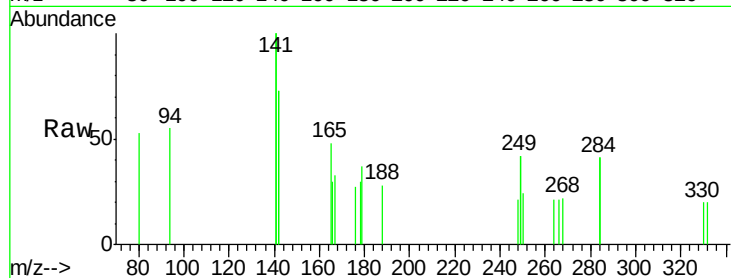




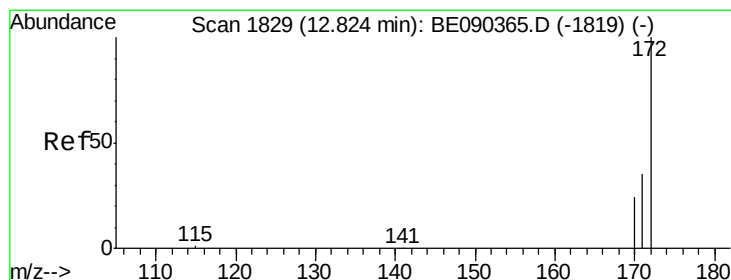
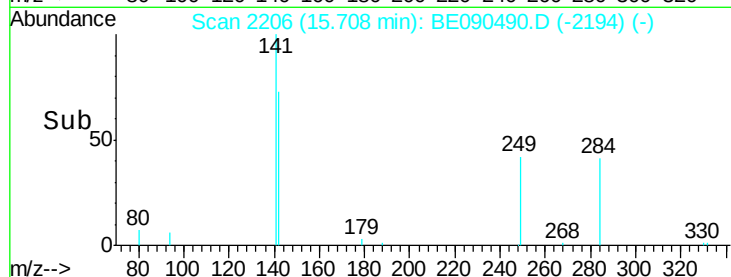
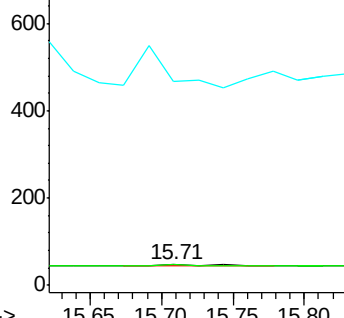
#13
 2,4,6-Tribromophenol
 Concen: 0.12 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090490.D
 Acq: 13 Aug 2015 5:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 13
 Ion Ratio Lower Upper
 330 100
 332 123.1 75.8 113.6#
 141 1153.8 114.4 171.6#

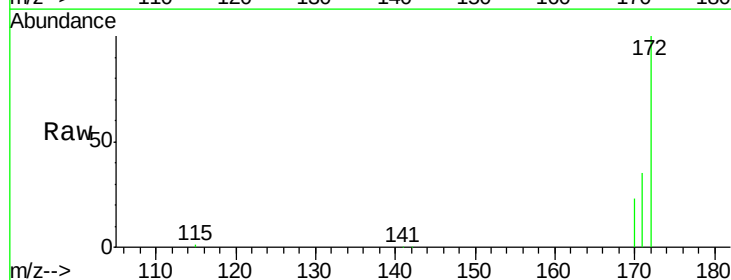


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

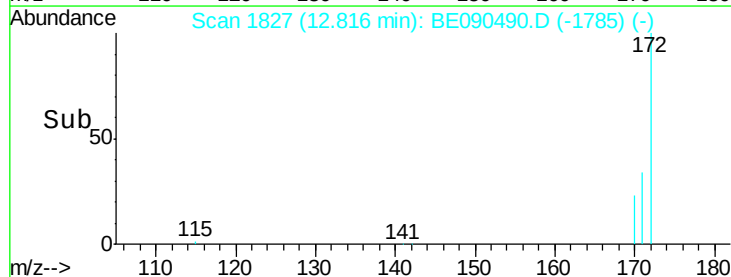
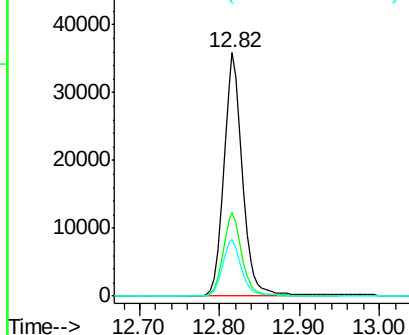


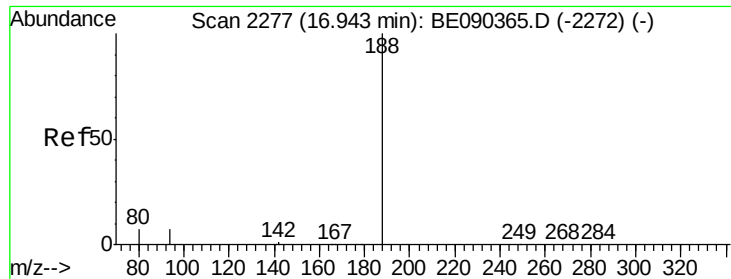
#14
 2-Fluorobiphenyl
 Concen: 3.90 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090490.D
 Acq: 13 Aug 2015 5:01

Tgt Ion:172 Resp: 57927
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.3 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

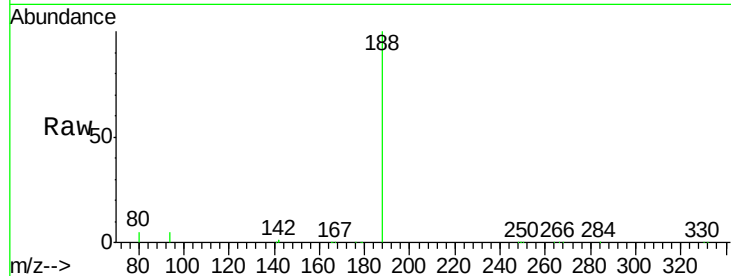
Tot Ion:188 Resp: 125968

Ion Ratio Lower Upper

188 100

94 5.0 5.7 8.5#

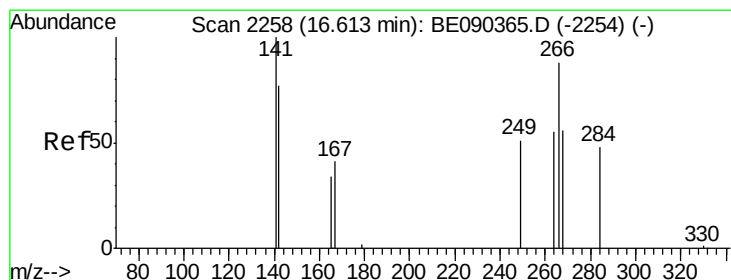
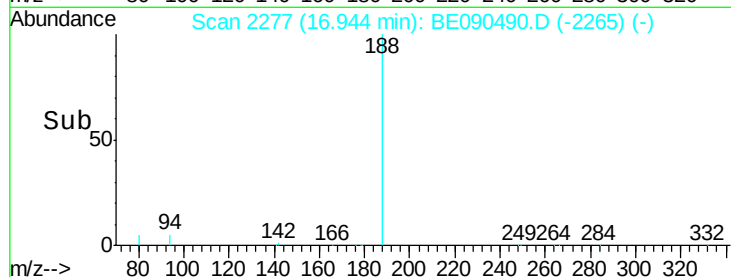
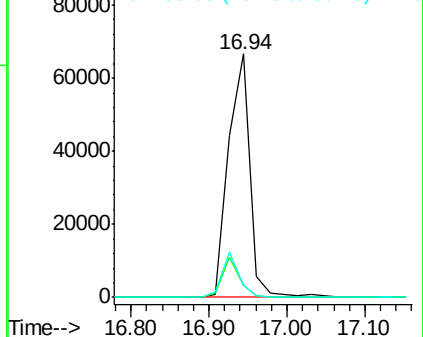
80 5.1 5.8 8.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

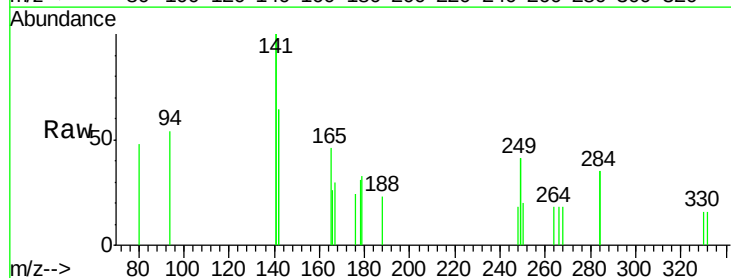
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

268 102.0 58.5 87.7#

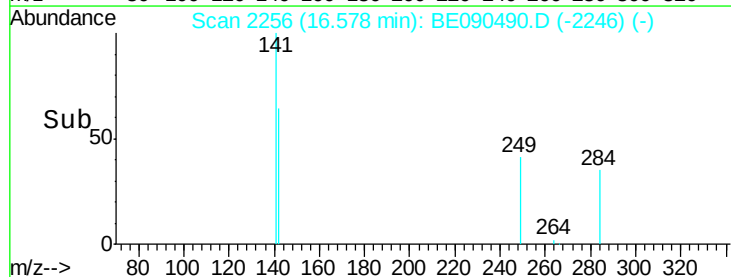
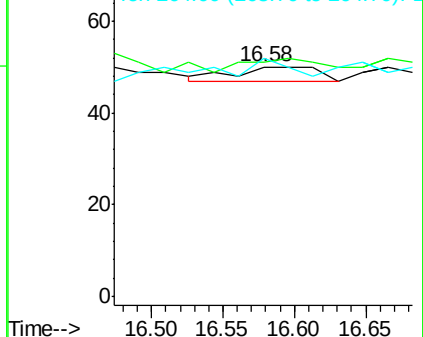
264 104.0 56.0 84.0#

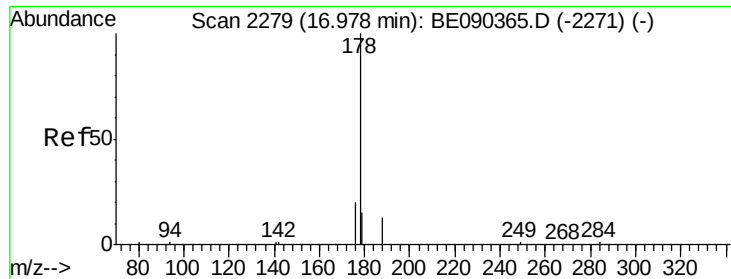


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

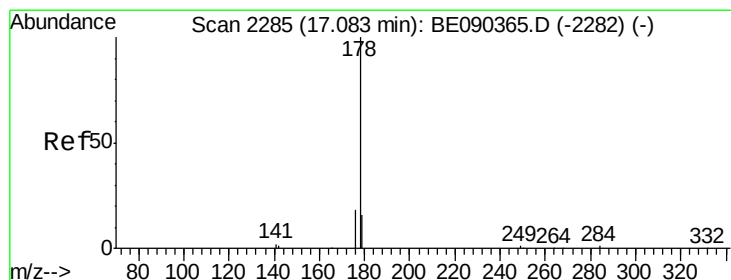
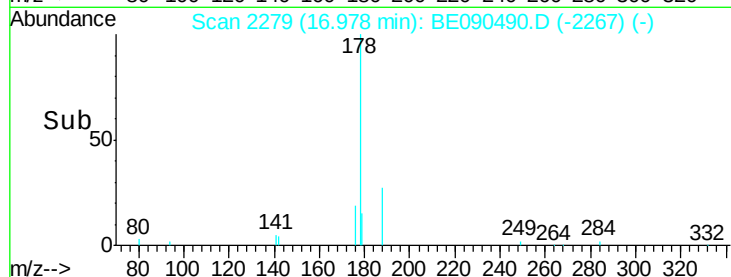
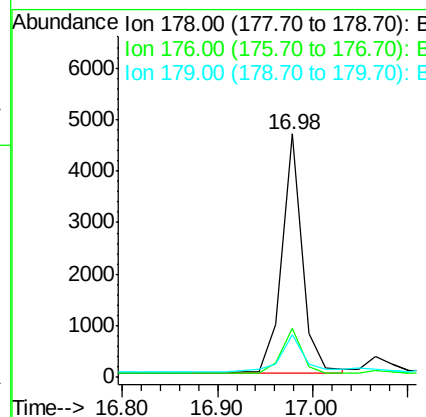
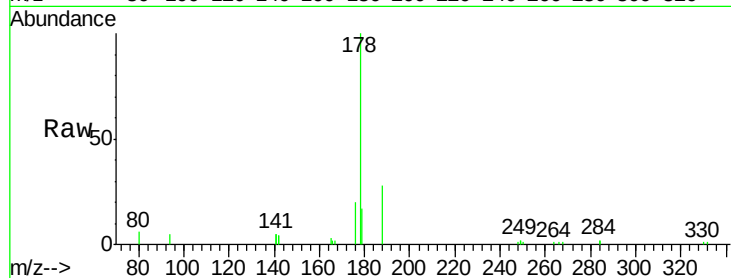




#22
Phenanthrene
Concen: 0.22 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

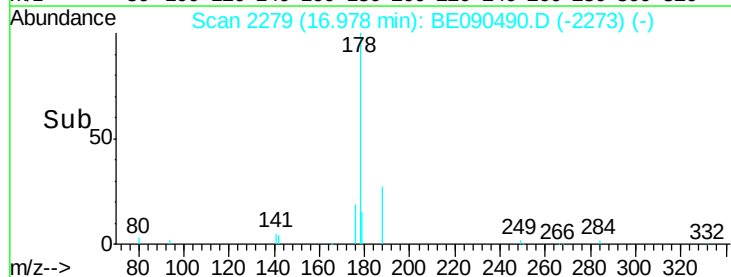
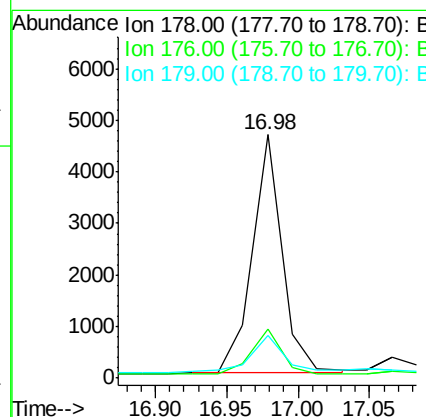
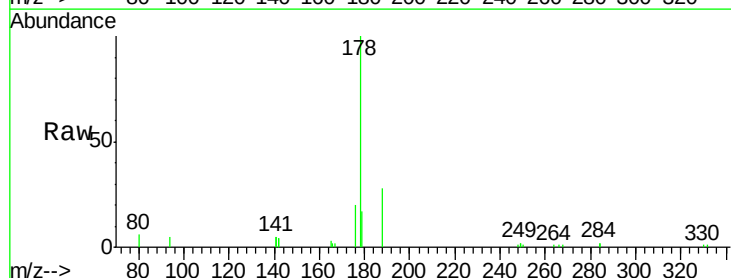
Instrument :
BNA_E
ClientSampleId :

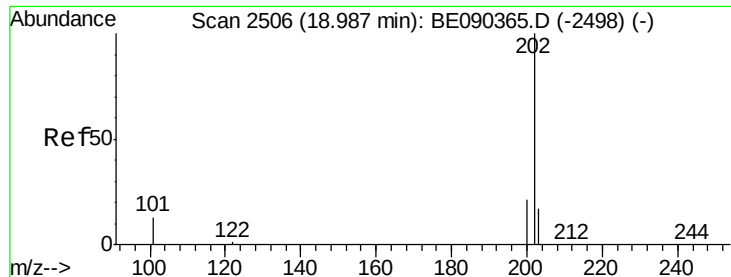
Tot Ion:178 Resp: 6935
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 18.6 12.5 18.7



#23
Anthracene
Concen: 0.26 ng
RT: 16.98 min Scan# 2279
Delta R.T. -0.10 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

Tgt Ion:178 Resp: 6743
Ion Ratio Lower Upper
178 100
176 19.4 14.9 22.3
179 15.4 12.2 18.4





#24

Fluoranthene

Concen: 0.41 ng

RT: 18.98 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

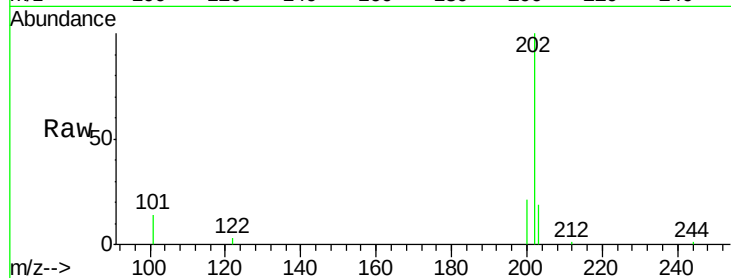
Tot Ion:202 Resp: 12678

Ion Ratio Lower Upper

202 100

101 13.7 10.3 15.5

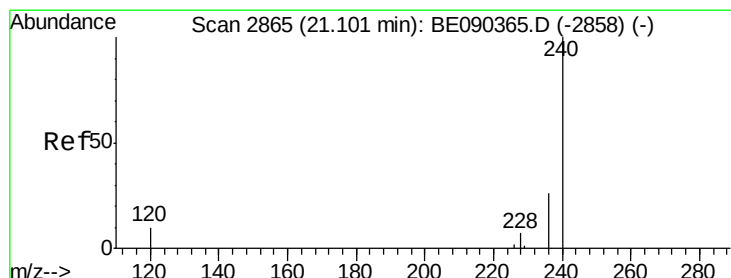
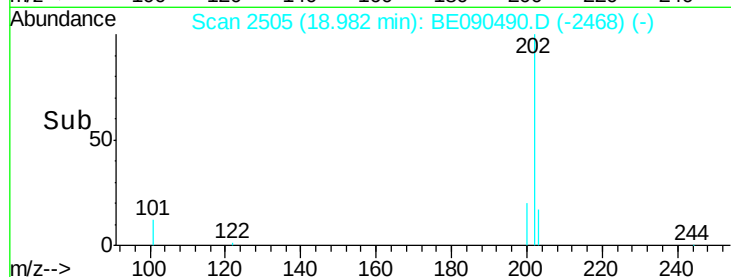
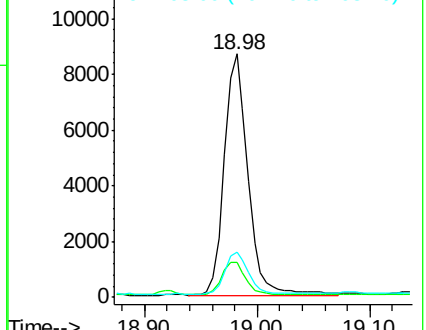
203 16.9 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

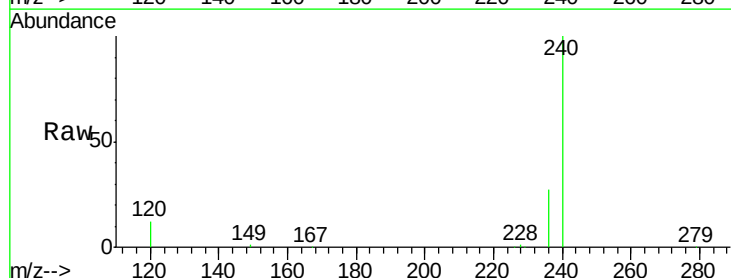
Tgt Ion:240 Resp: 149307

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

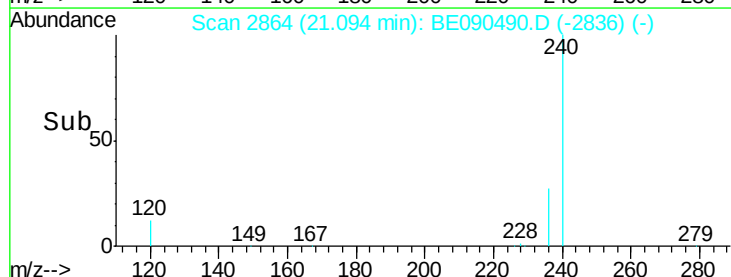
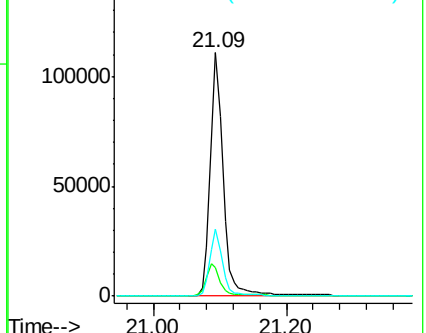
236 27.3 21.0 31.4

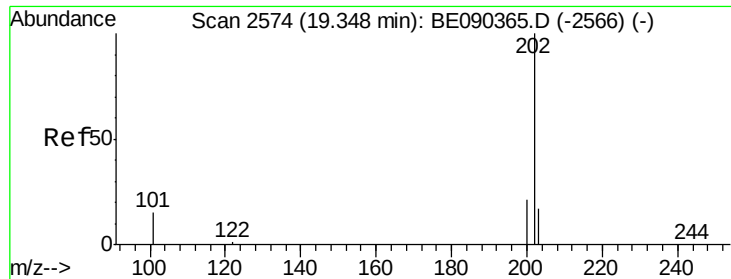


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

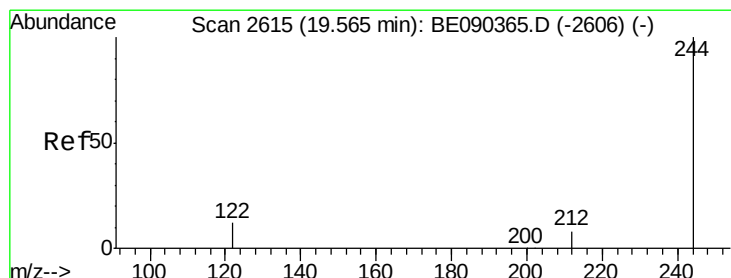
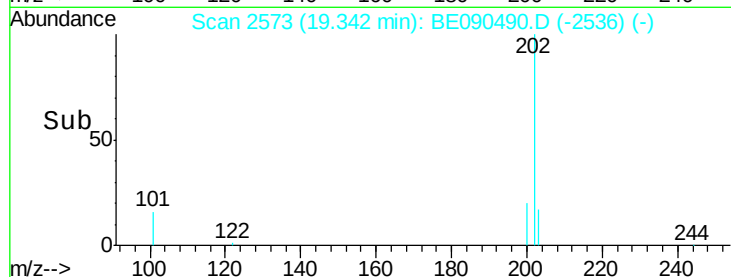
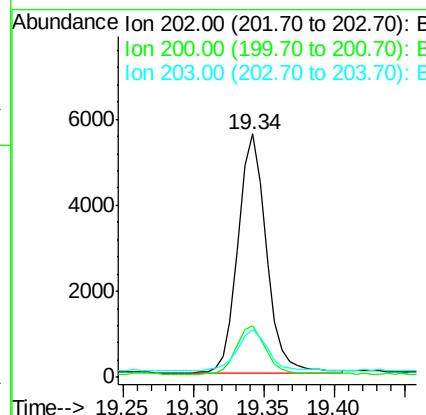
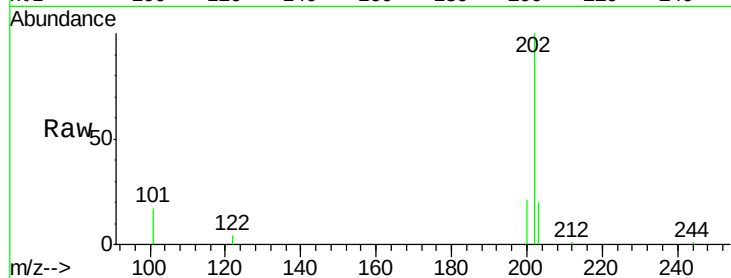




#26
Pvrene
Concen: 0.24 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

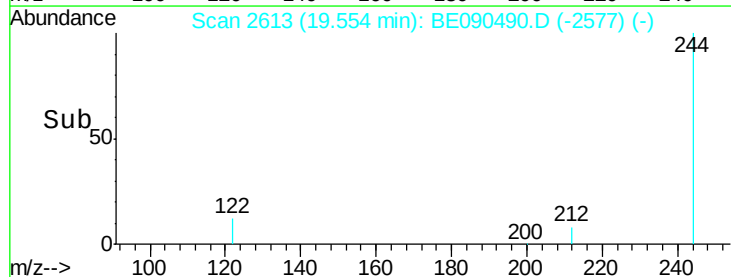
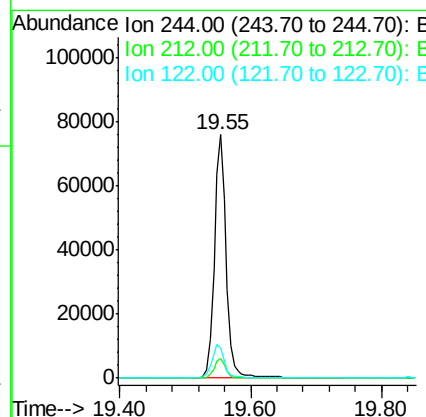
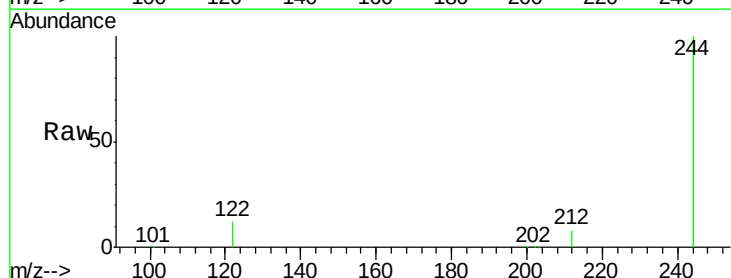
Instrument :
BNA_E
ClientSampleId :

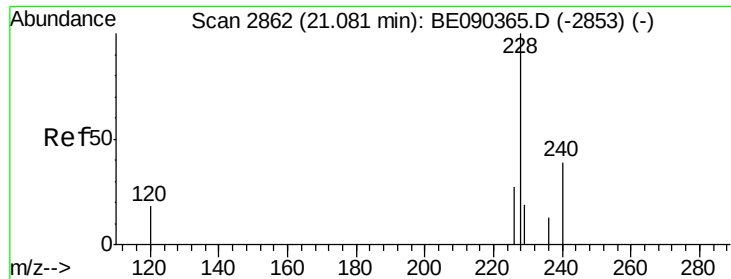
Tot Ion:202 Resp: 7822
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 19.3 13.8 20.8



#27
Terphenyl-d14
Concen: 4.31 ng
RT: 19.55 min Scan# 2613
Delta R.T. -0.01 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

Tgt Ion:244 Resp: 94794
Ion Ratio Lower Upper
244 100
212 7.8 6.6 9.8
122 12.1 10.2 15.4





#28

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.08 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampled :

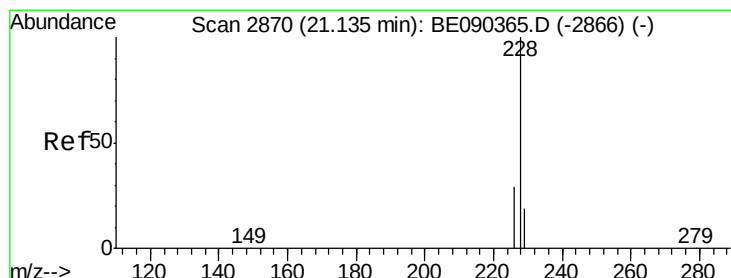
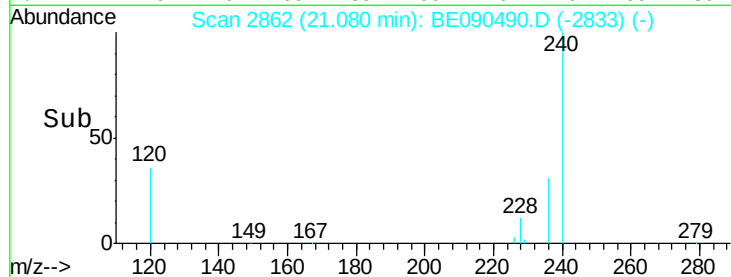
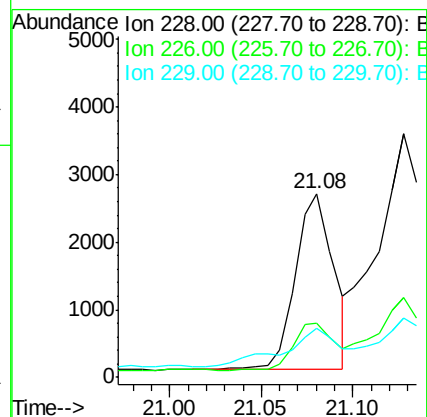
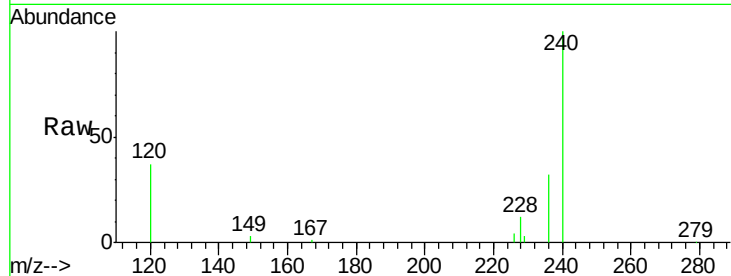
Tot Ion:228 Resp: 3793

Ion Ratio Lower Upper

228 100

226 29.9 21.9 32.9

229 26.5 15.4 23.0#



#29

Chrysene

Concen: 0.15 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

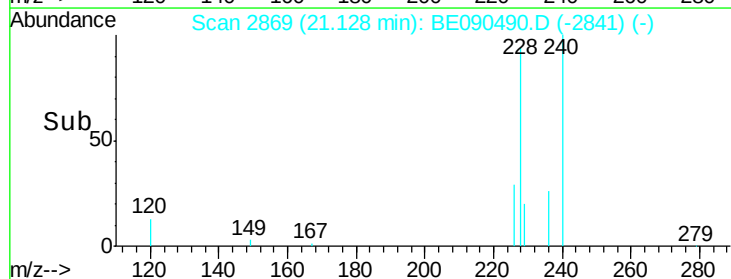
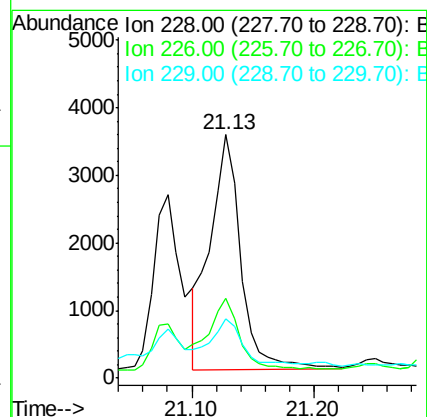
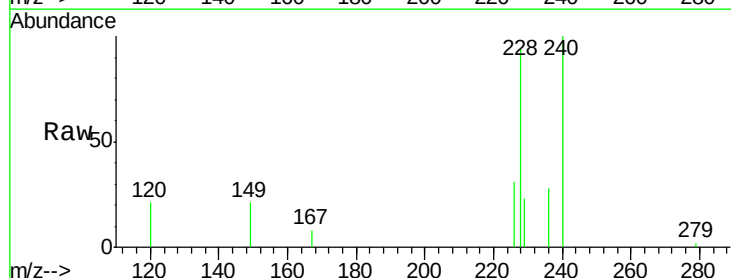
Tgt Ion:228 Resp: 6044

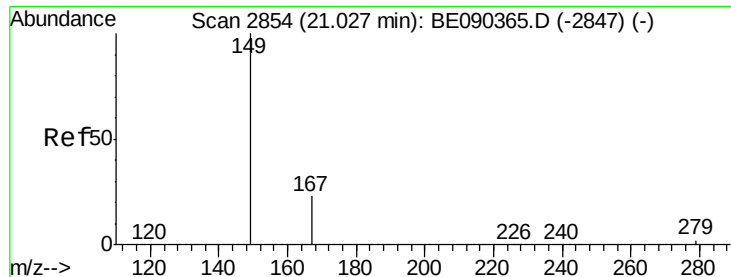
Ion Ratio Lower Upper

228 100

226 32.8 23.1 34.7

229 24.5 15.8 23.8#

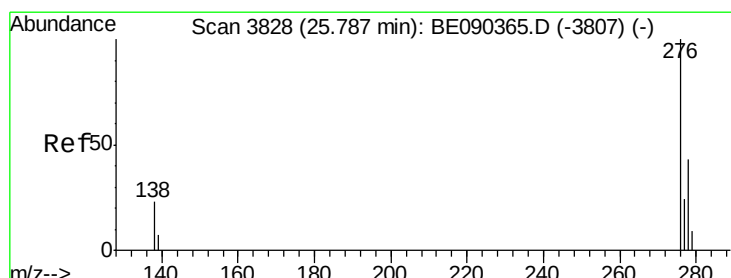
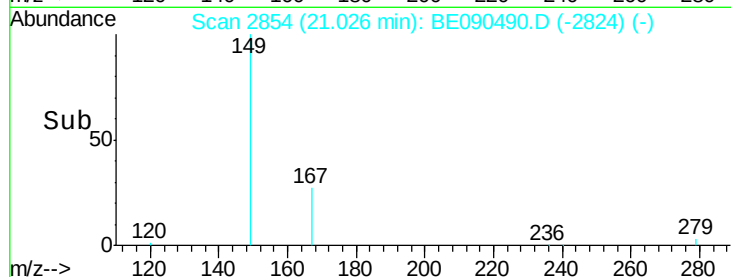
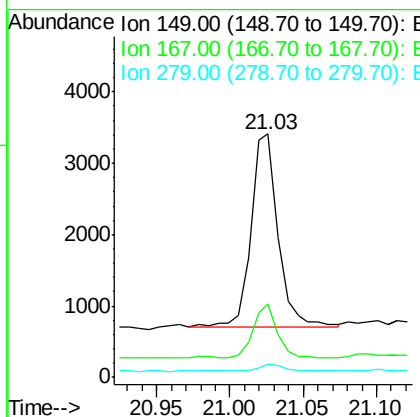
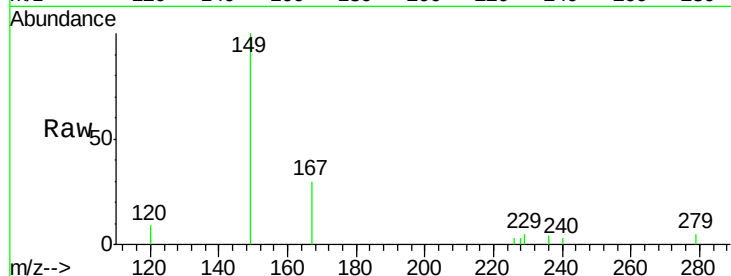




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.54 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090490.D
 Acq: 13 Aug 2015 5:01

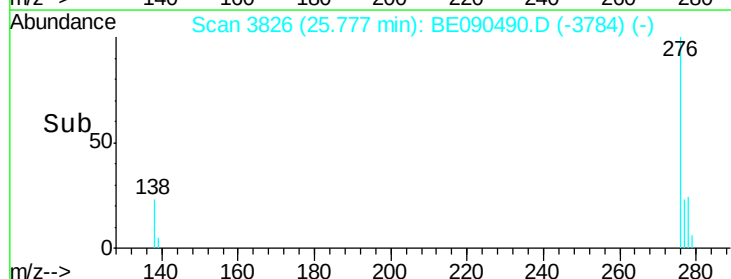
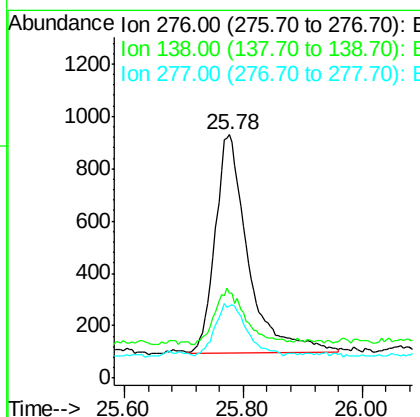
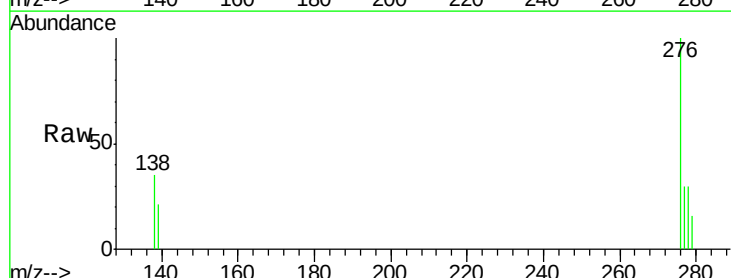
Instrument :
 BNA_E
 ClientSampleId :

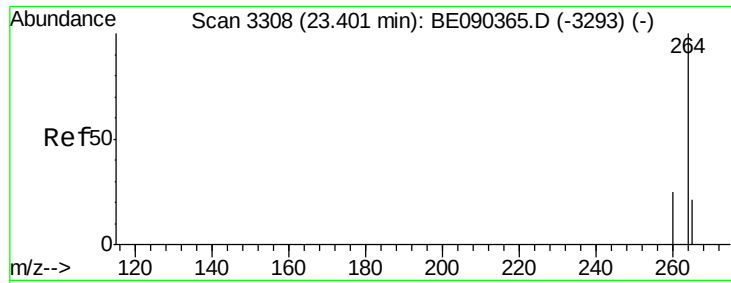
Tot Ion:149 Resp: 3532
 Ion Ratio Lower Upper
 149 100
 167 24.4 19.8 29.8
 279 3.4 2.4 3.6



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.34 ng
 RT: 25.78 min Scan# 3826
 Delta R.T. -0.01 min
 Lab File: BE090490.D
 Acq: 13 Aug 2015 5:01

Tgt Ion:276 Resp: 3194
 Ion Ratio Lower Upper
 276 100
 138 24.1 18.8 28.2
 277 22.8 18.2 27.4

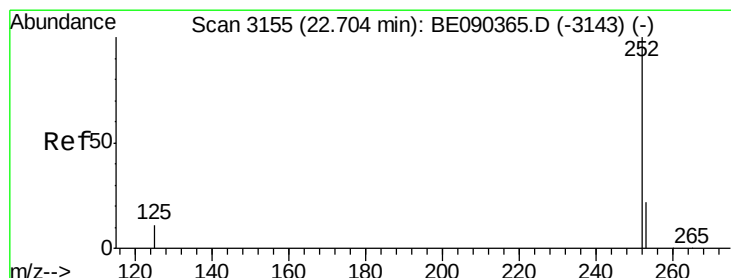
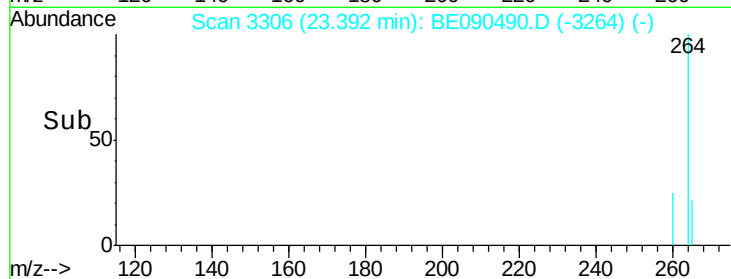
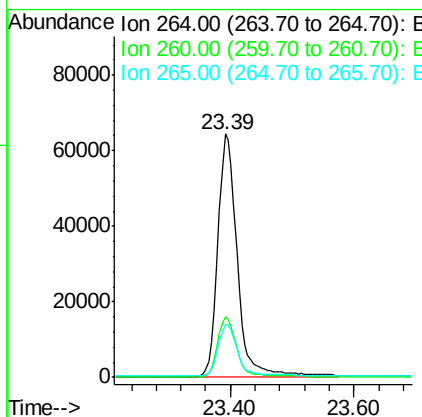
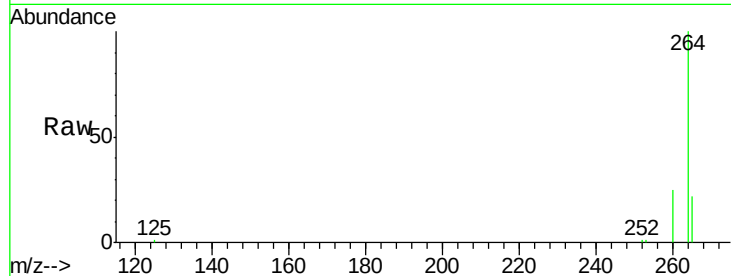




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.39 min Scan# 3306
Delta R.T. -0.01 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

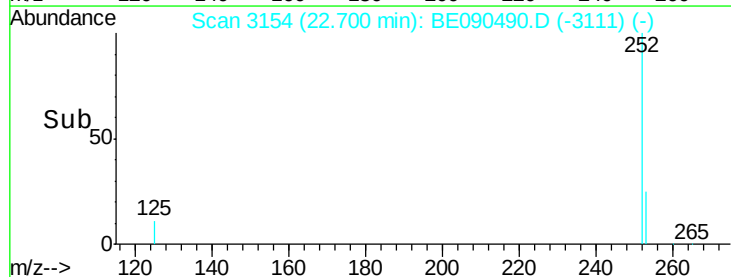
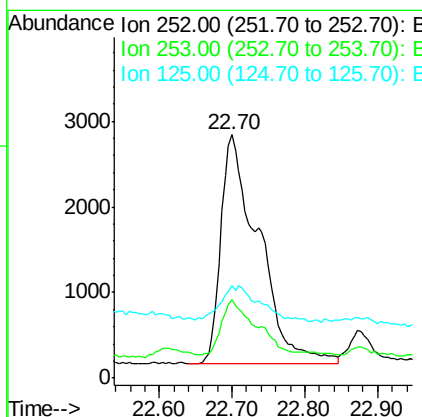
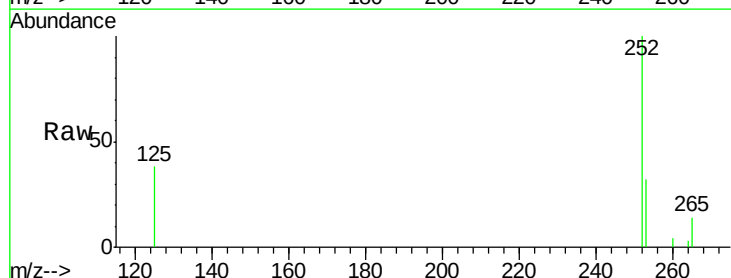
Instrument :
BNA_E
ClientSampleId :

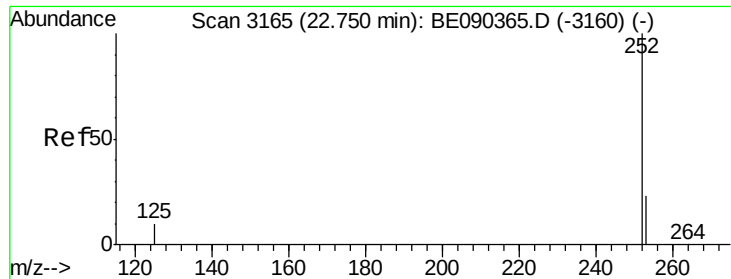
Tot Ion:264 Resp: 141822
Ion Ratio Lower Upper
264 100
260 25.1 20.1 30.1
265 21.9 17.2 25.8



#33
Benzo(b)fluoranthene
Concen: 0.48 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

Tgt Ion:252 Resp: 9658
Ion Ratio Lower Upper
252 100
253 32.0 18.1 27.1#
125 37.8 9.4 14.2#





#34

Benzo(k)fluoranthene

Concen: 0.24 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.05 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

Instrument :

BNA_E

ClientSampleId :

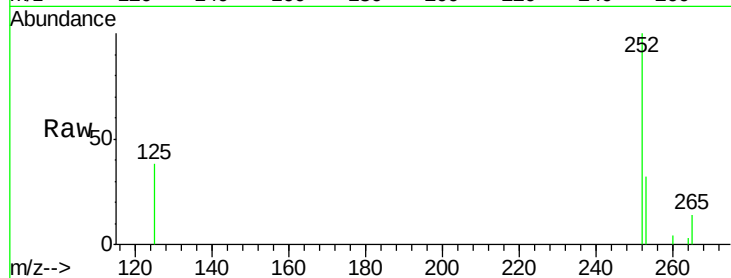
Tot Ion:252 Resp: 9658

Ion Ratio Lower Upper

252 100

253 32.0 18.1 27.1#

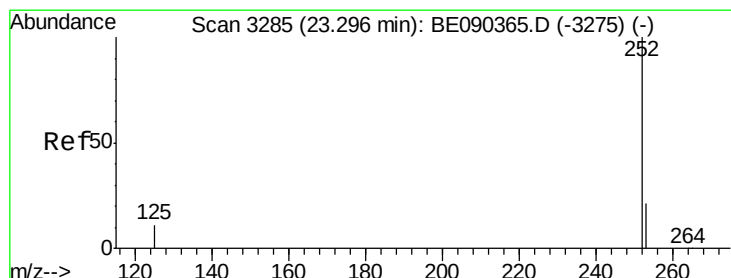
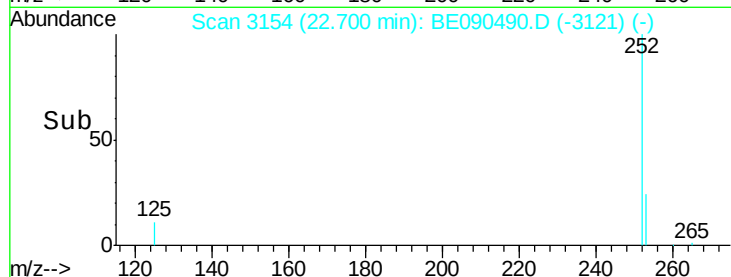
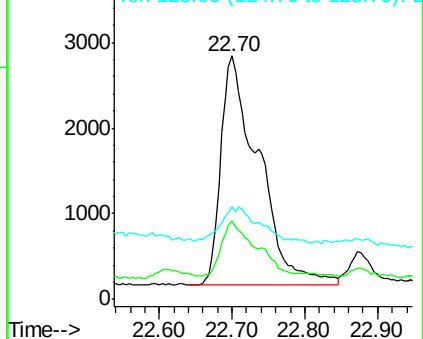
125 37.8 9.1 13.7#



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: 0.32 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090490.D

Acq: 13 Aug 2015 5:01

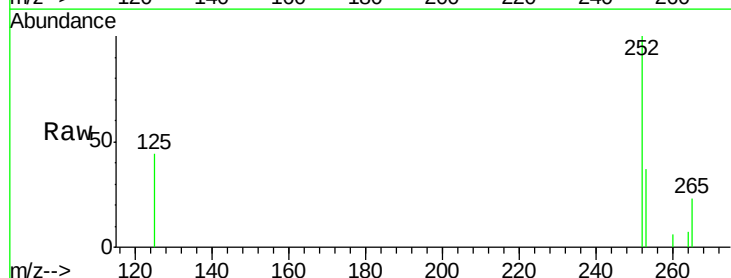
Tgt Ion:252 Resp: 2977

Ion Ratio Lower Upper

252 100

253 36.7 17.6 26.4#

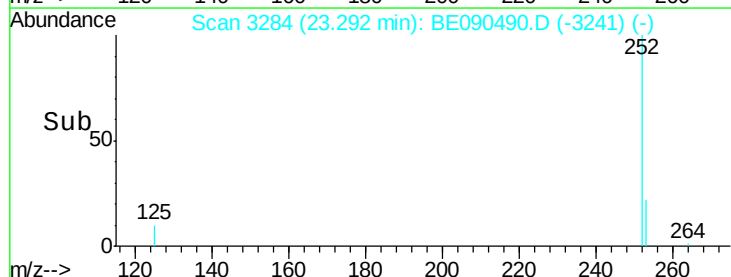
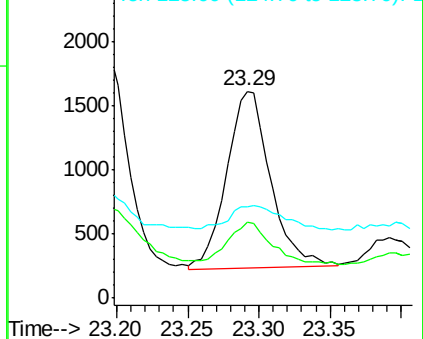
125 44.3 9.8 14.6#

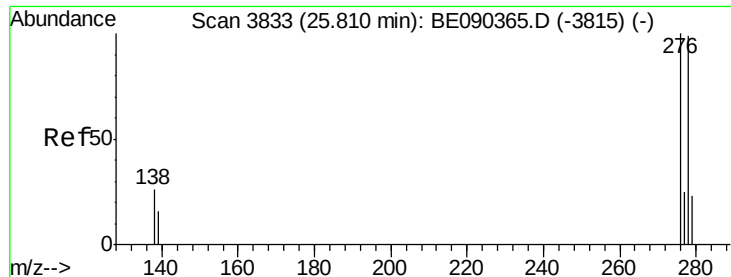


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

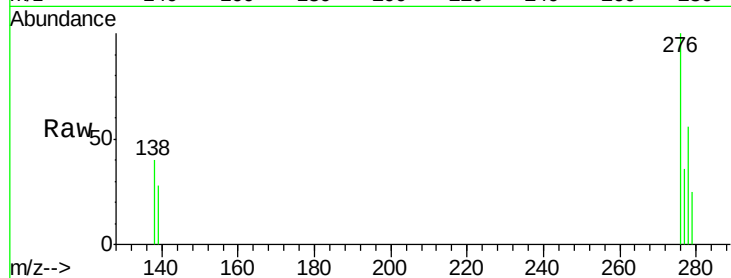




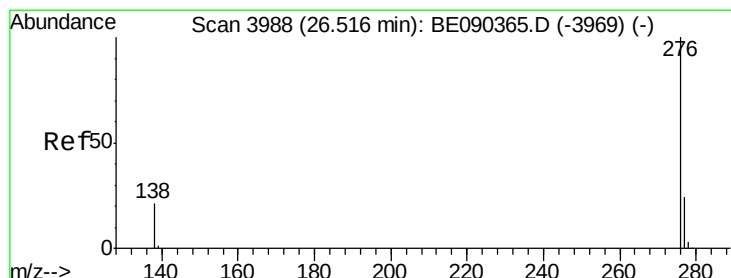
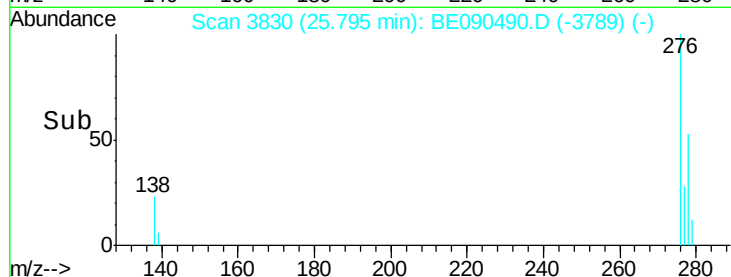
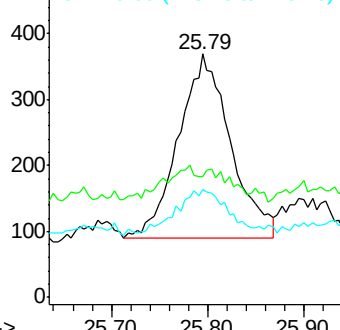
#36
Dibenzo(a,h)anthracene
Concen: 0.32 ng
RT: 25.79 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 1048
Ion Ratio Lower Upper
278 100
139 49.6 14.2 21.4#
279 44.4 20.1 30.1#

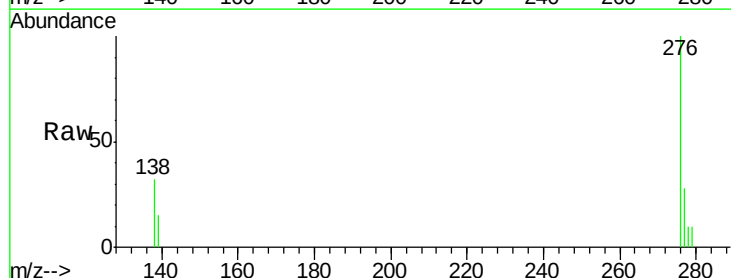


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#37
Benzo(g,h,i)perylene
Concen: 0.12 ng
RT: 26.51 min Scan# 3986
Delta R.T. -0.01 min
Lab File: BE090490.D
Acq: 13 Aug 2015 5:01

Tgt Ion:276 Resp: 3273
Ion Ratio Lower Upper
276 100
277 27.9 20.1 30.1
138 32.2 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

