

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080715\
 Data File : BE090404.D
 Acq On : 7 Aug 2015 19:04
 Operator : TP/UM
 Sample : G3133-01RE
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

Quant Time: Aug 07 23:05:28 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	56965	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	261827	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	160843	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	360102	5.00	ng	0.00
25) Chrysene-d12	21.10	240	417983	5.00	ng	0.00
32) Perylene-d12	23.40	264	396459	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	30604	3.58	ng	0.00
5) Phenol-d6	6.77	99	39589	2.32	ng	-0.01
7) Nitrobenzene-d5	8.72	82	53695	2.62	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	42090	8.37	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	137990	3.12	ng	0.00
27) Terphenyl-d14	19.55	244	266301	4.32	ng	-0.01

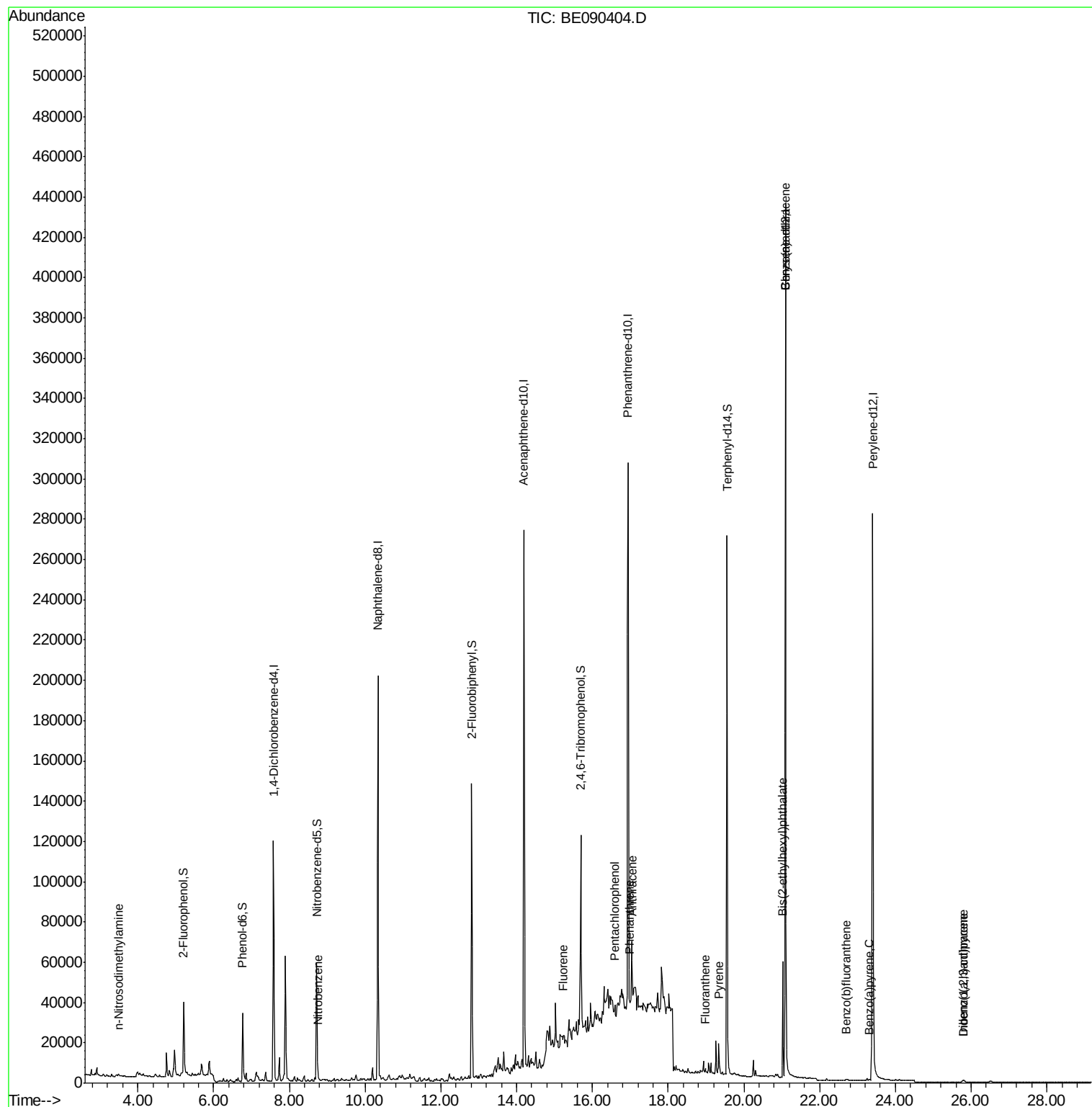
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	98	Below Cal	#	1
3) n-Nitrosodimethylamine	3.49	42	367	0.04	ng	86
8) Nitrobenzene	8.76	77	799	0.24	ng	8
10) Hexachlorobutadiene	10.66	225	22	Below Cal	#	19
17) Fluorene	15.24	166	2412	0.05	ng	22
21) Pentachlorophenol	16.60	266	483	0.30	ng	91
22) Phenanthrene	16.98	178	2523	0.03	ng	1
23) Anthracene	17.05	178	2593	0.04	ng	1
24) Fluoranthene	18.98	202	1944	0.02	ng	84
26) Pyrene	19.34	202	14762	0.16	ng	95
28) Benzo(a)anthracene	21.09	228	2288	0.02	ng	76
30) Bis(2-ethylhexyl)phthalate	21.03	149	51546	2.05	ng	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	1386	0.27	ng	93
33) Benzo(b)fluoranthene	22.70	252	783	0.20	ng	1
35) Benzo(a)pyrene	23.29	252	807	0.24	ng	6
36) Dibenzo(a,h)anthracene	25.80	278	1172	0.30	ng	56

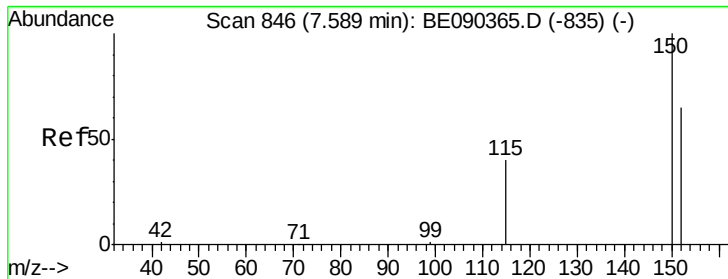
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 06 12:28:08 2015
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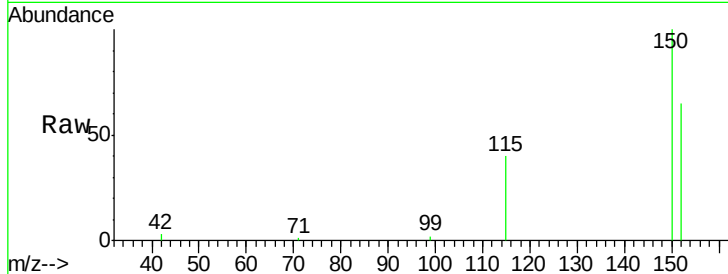


#1

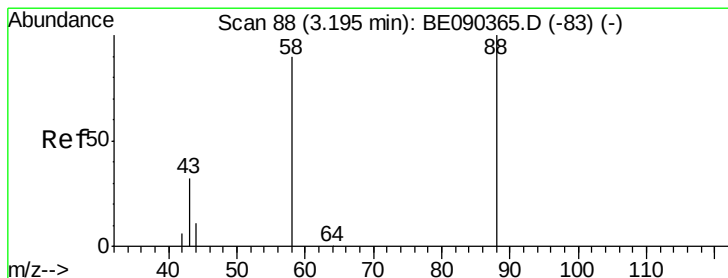
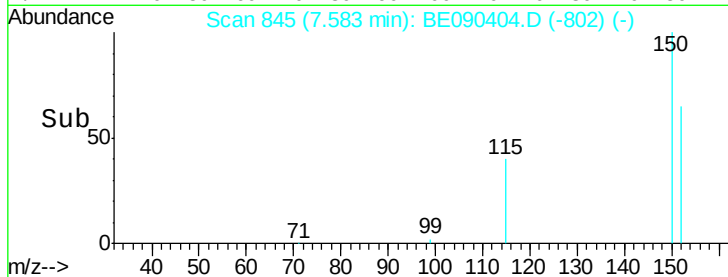
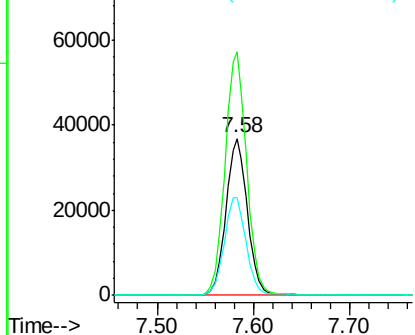
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090404.D
Acq: 7 Aug 2015 19:04

Instrument :
BNA_E
ClientSampleId :
SUMP-3

Tgt Ion: 152 Resp: 56965
Ion Ratio Lower Upper
152 100
150 154.9 123.0 184.4
115 62.0 48.9 73.3



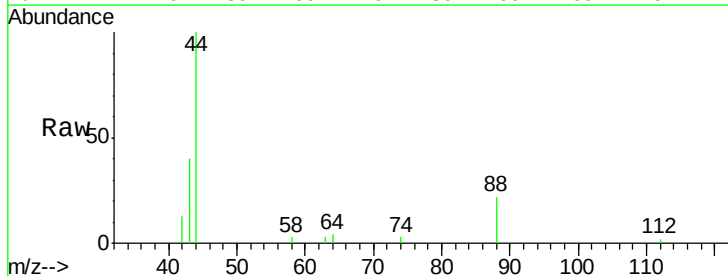
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



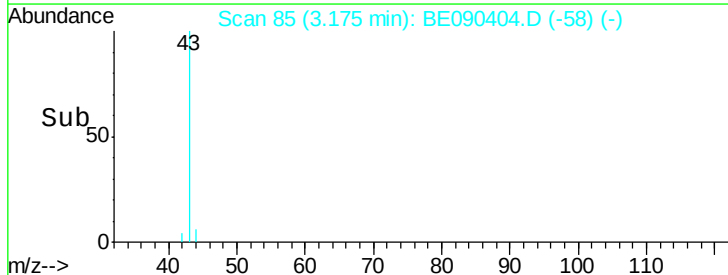
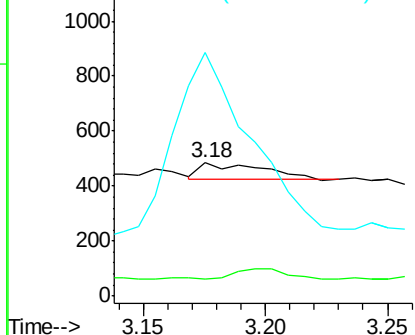
#2

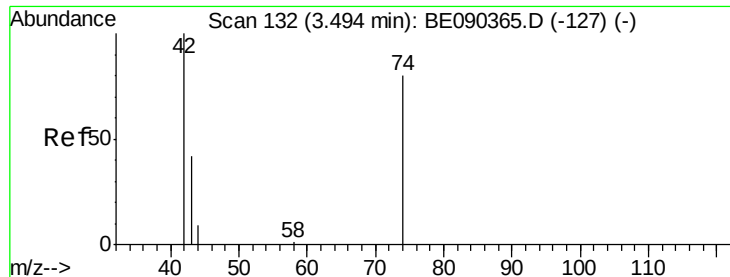
1,4-Dioxane
Concen: Below Cal
RT: 3.18 min Scan# 85
Delta R.T. -0.02 min
Lab File: BE090404.D
Acq: 7 Aug 2015 19:04

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
58 0.0 70.0 105.0#
43 1508.2 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





#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.49 min Scan# 132

Delta R.T. 0.00 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

Instrument :

BNA_E

ClientSampleId :

SUMP-3

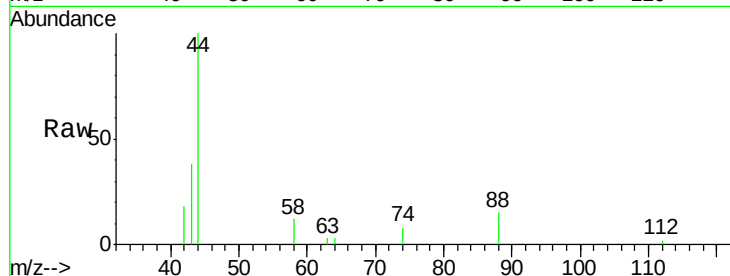
Tgt Ion: 42 Resp: 367

Ion Ratio Lower Upper

42 100

74 82.3 75.2 112.8

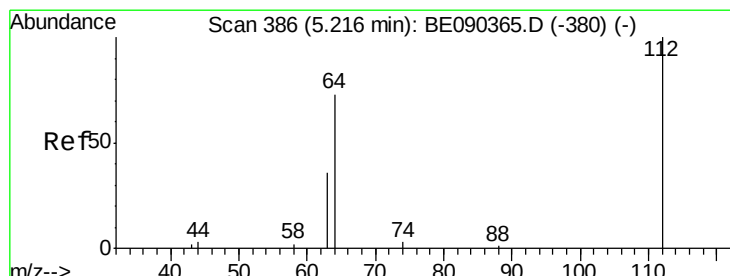
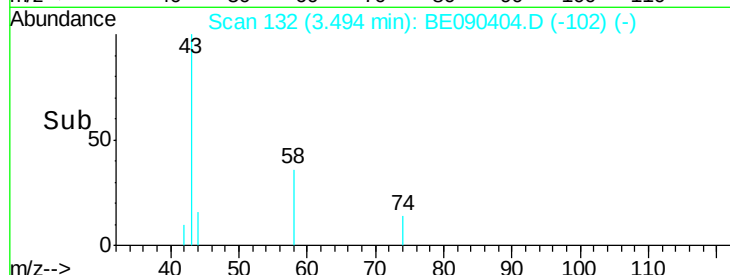
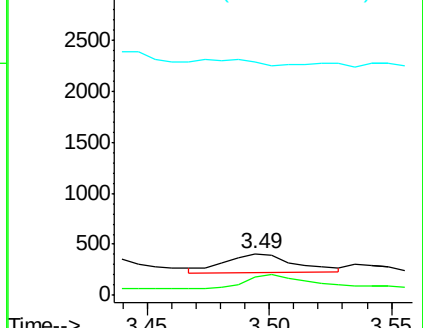
44 0.0 8.7 13.1#



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: 3.58 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

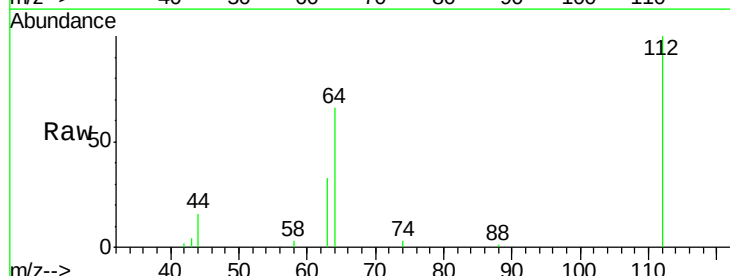
Tgt Ion: 112 Resp: 30604

Ion Ratio Lower Upper

112 100

64 70.2 37.1 55.7#

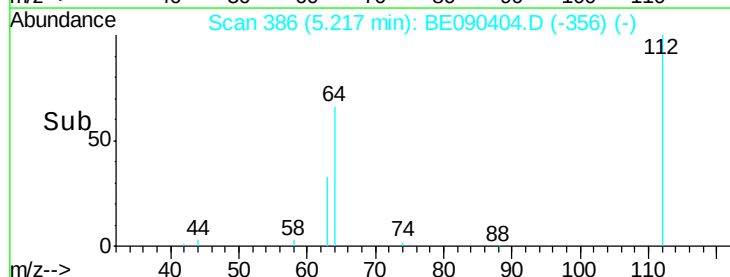
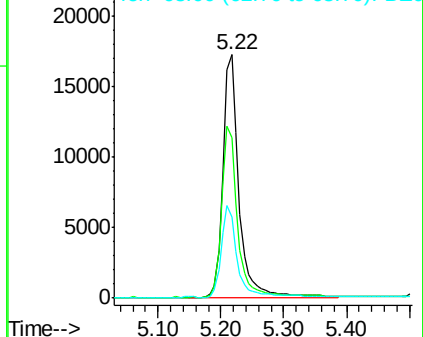
63 37.8 19.5 29.3#

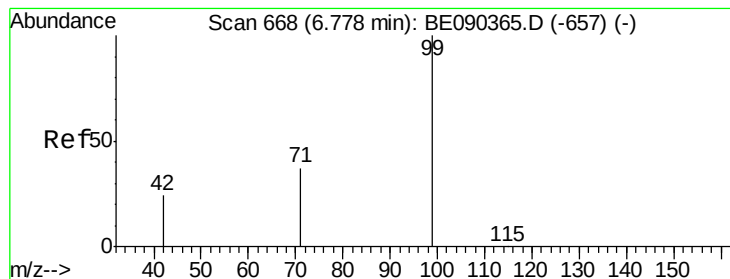


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.32 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

Instrument :

BNA_E

ClientSampled :

SUMP-3

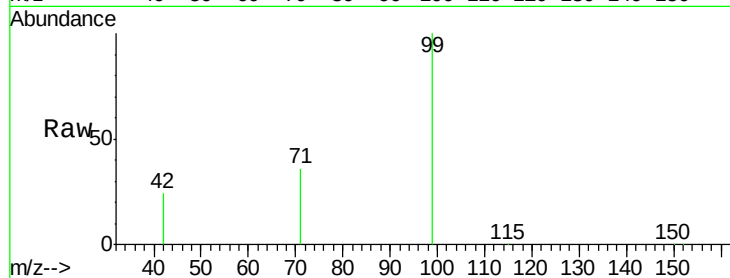
Tgt Ion: 99 Resp: 39589

Ion Ratio Lower Upper

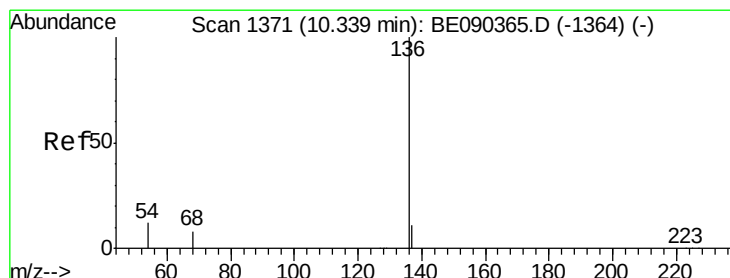
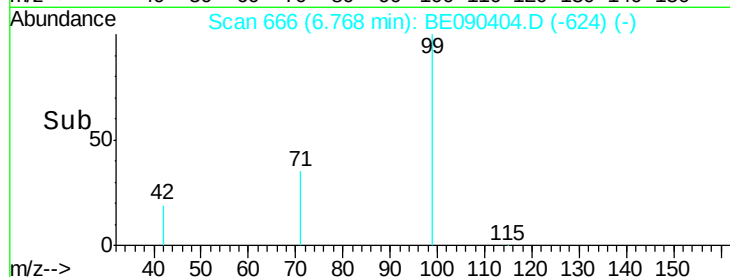
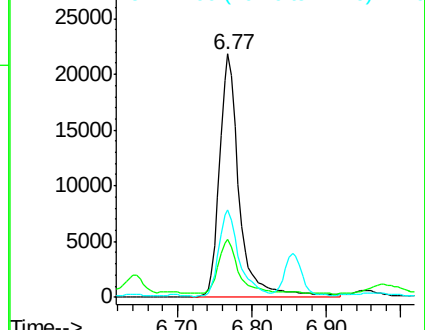
99 100

42 21.8 18.2 27.4

71 37.0 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: BE090404.D

Acq: 7 Aug 2015 19:04

Tgt Ion: 136 Resp: 261827

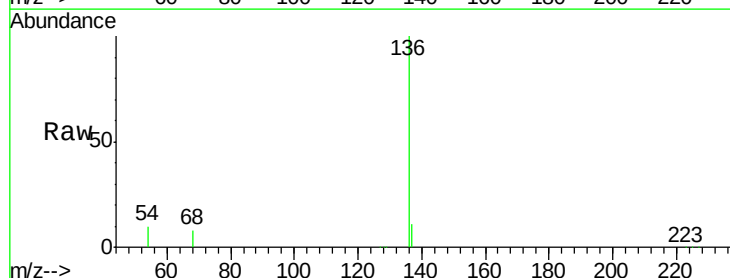
Ion Ratio Lower Upper

136 100

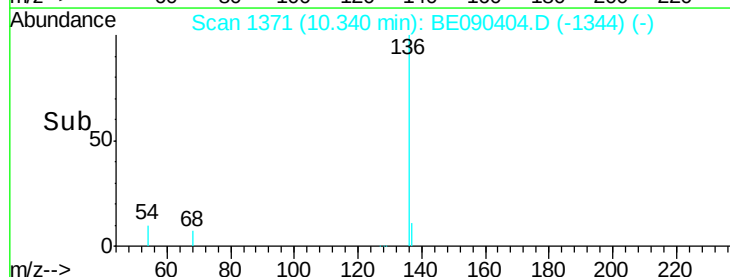
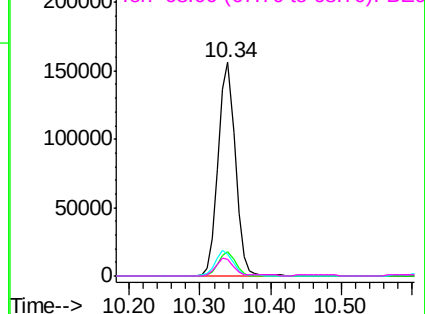
137 11.1 8.7 13.1

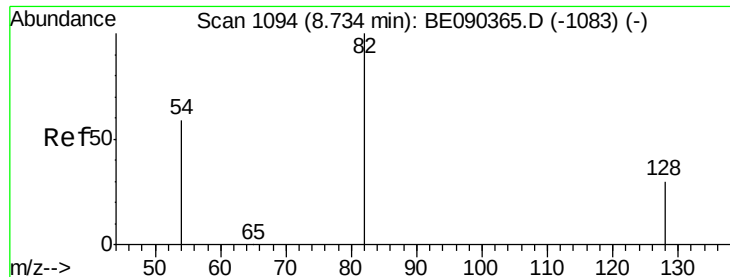
54 10.4 9.4 14.0

68 7.6 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: 2.62 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

Instrument :

BNA_E

ClientSampleId :

SUMP-3

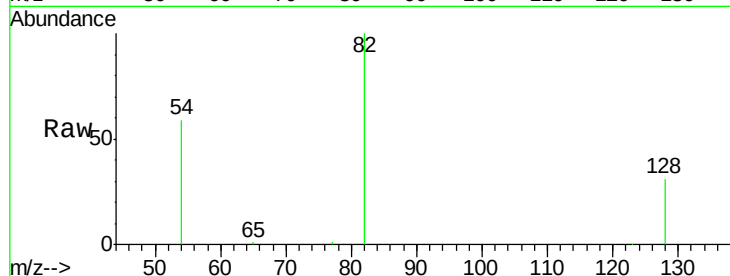
Tgt Ion: 82 Resp: 53695

Ion Ratio Lower Upper

82 100

128 31.2 25.0 37.6

54 58.8 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

8.72

40000

30000

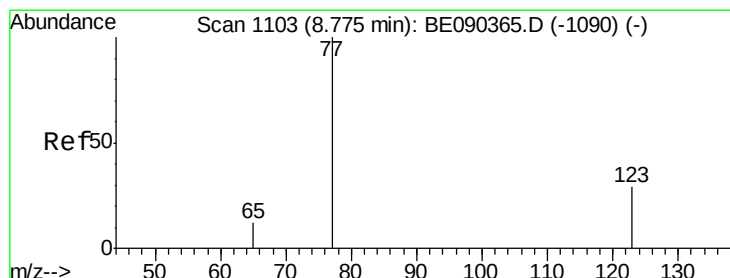
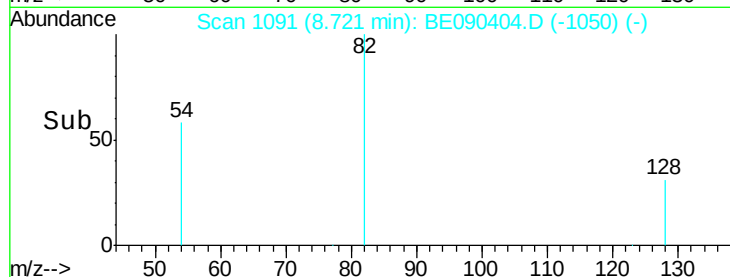
20000

10000

0

8.60 8.70 8.80

Time-->



#8

Nitrobenzene

Concen: 0.24 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

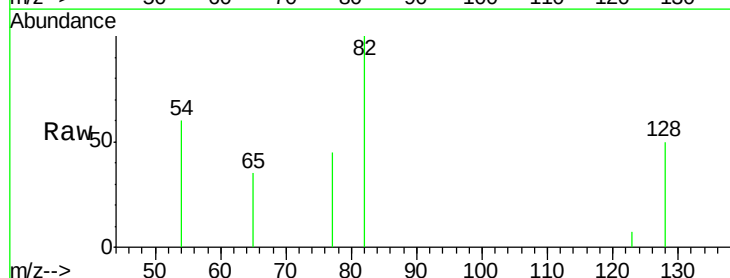
Tgt Ion: 77 Resp: 799

Ion Ratio Lower Upper

77 100

123 1.4 25.1 37.7#

65 86.0 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

8.76

1500

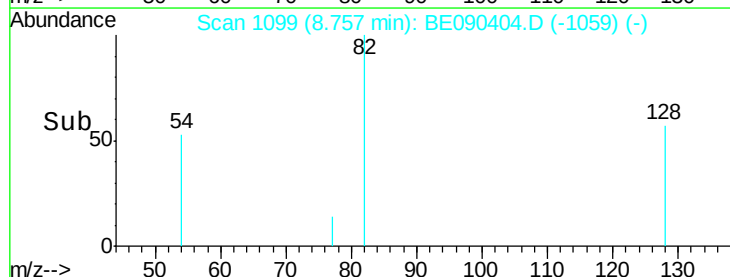
1000

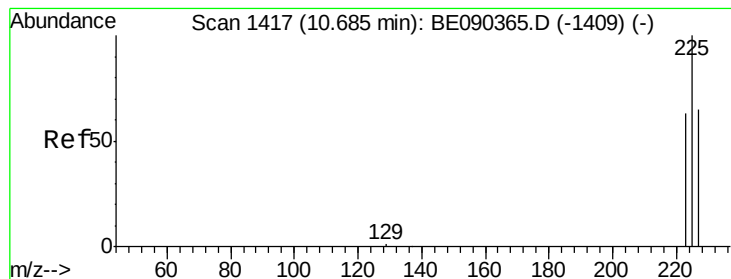
500

0

8.70 8.75 8.80

Time-->





#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.66 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

Instrument :

BNA_E

ClientSampleId :

SUMP-3

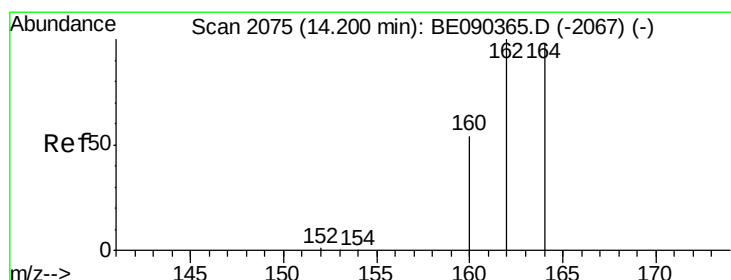
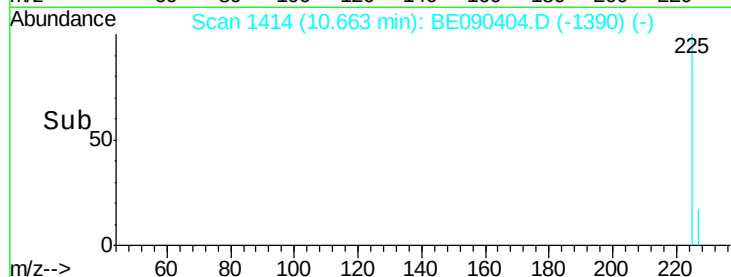
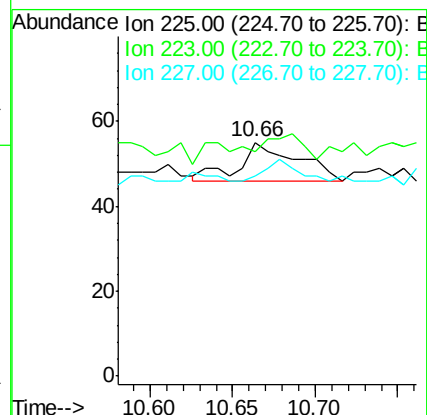
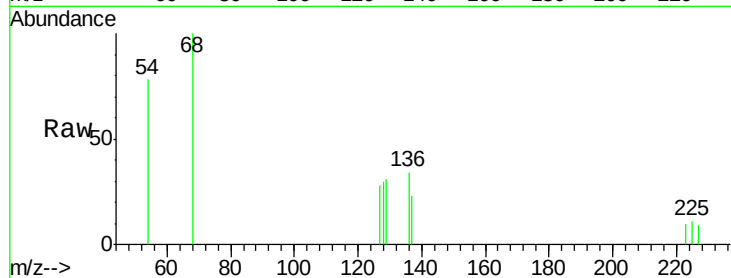
Tgt Ion: 225 Resp: 22

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

227 0.0 50.7 76.1#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

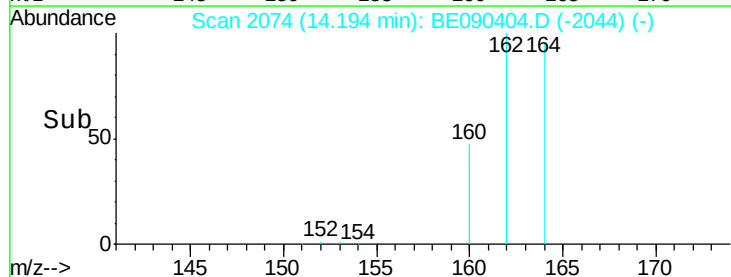
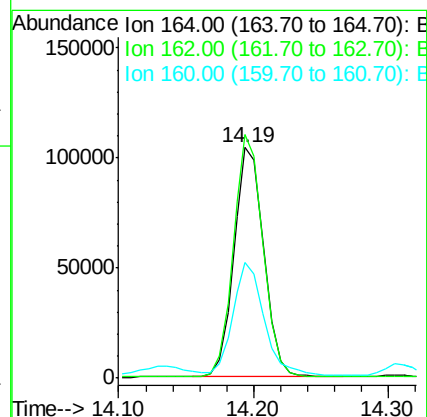
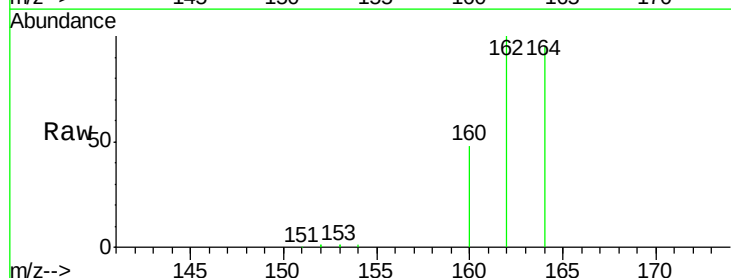
Tgt Ion: 164 Resp: 160843

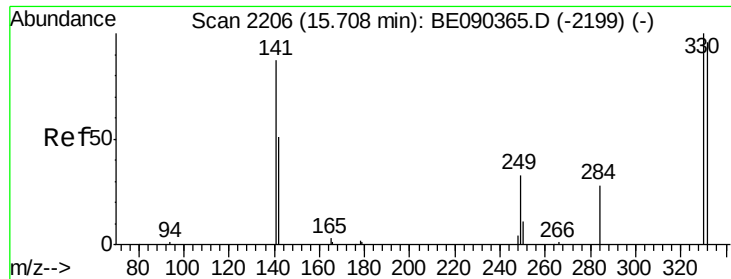
Ion Ratio Lower Upper

164 100

162 105.6 81.8 122.8

160 50.4 44.2 66.4

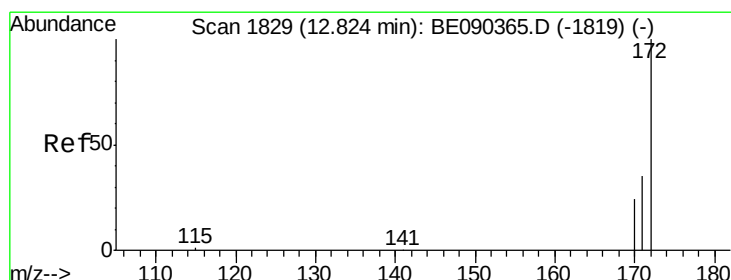
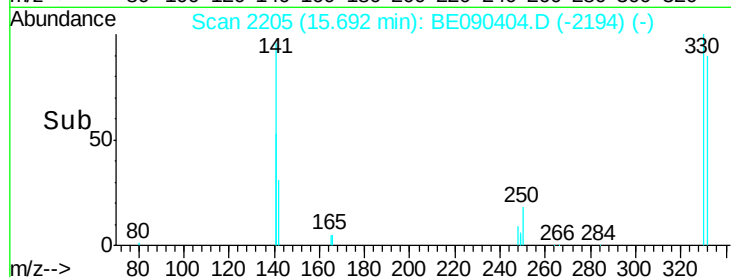
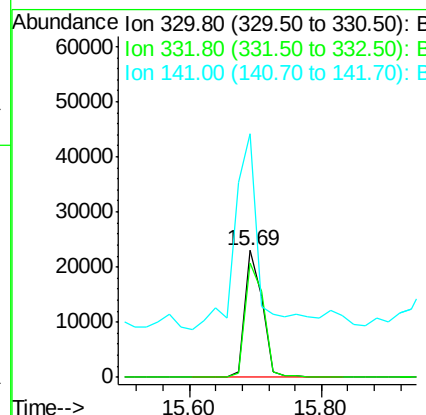
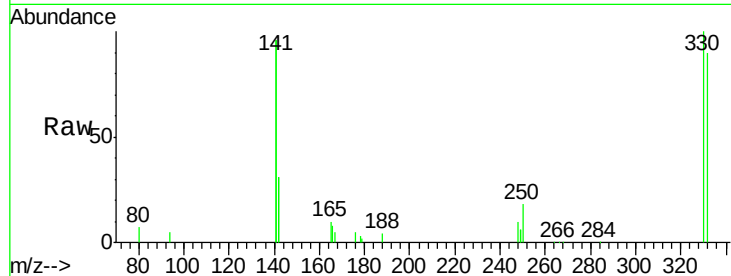




#13
 2,4,6-Tribromophenol
 Concen: 8.37 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

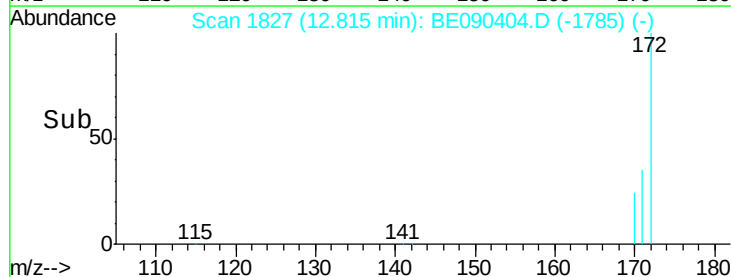
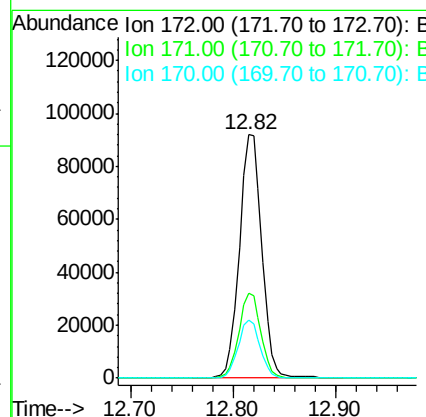
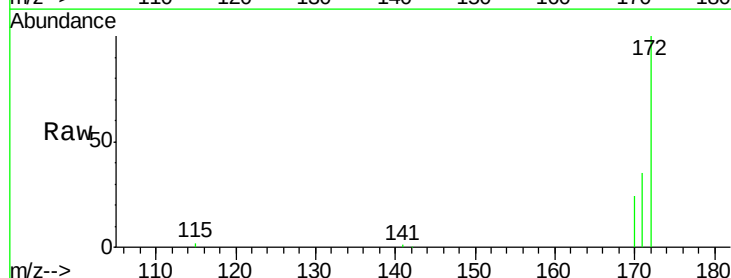
Instrument :
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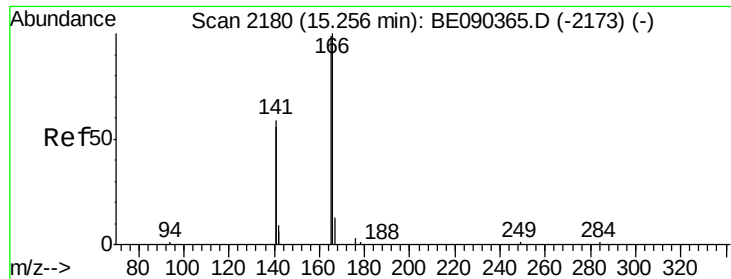
Tgt Ion: 330 Resp: 42090
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.8 113.6
 141 215.6 114.4 171.6#



#14
 2-Fluorobiphenyl
 Concen: 3.12 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

Tgt Ion: 172 Resp: 137990
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 23.9 19.8 29.8

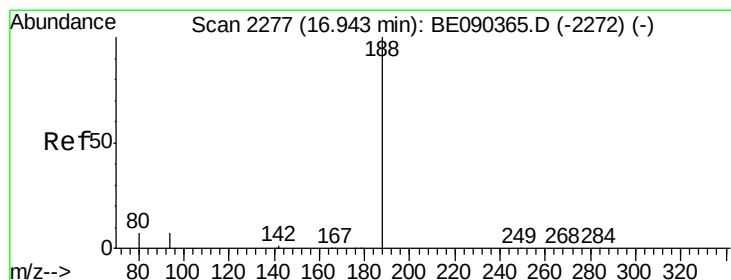
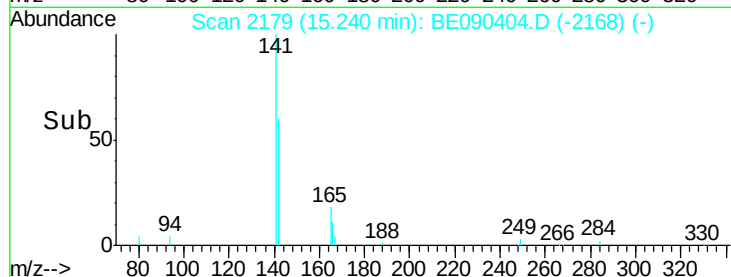
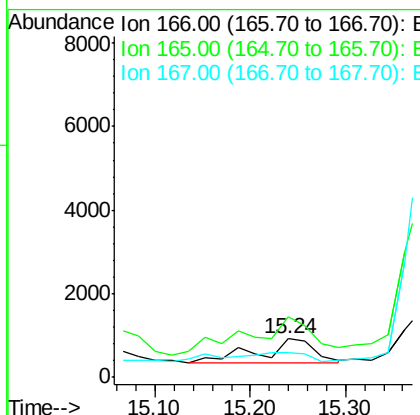
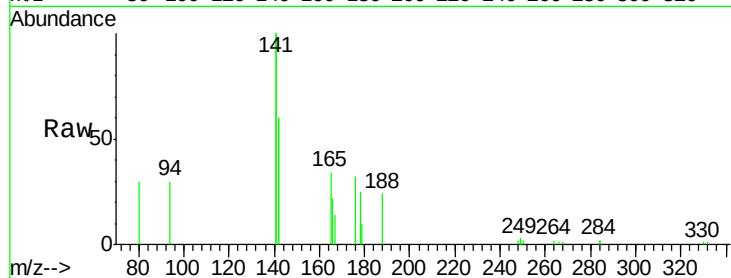




#17
Fluorene
 Concen: 0.05 ng
 RT: 15.24 min Scan# 2179
 Delta R.T. -0.02 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

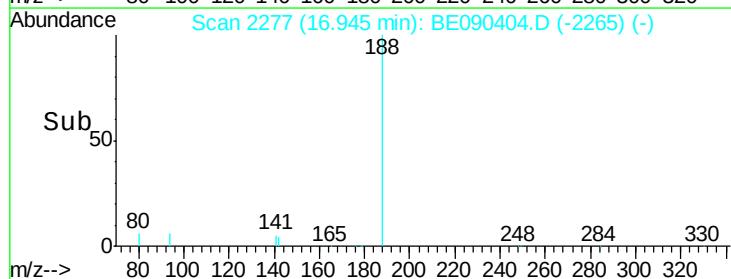
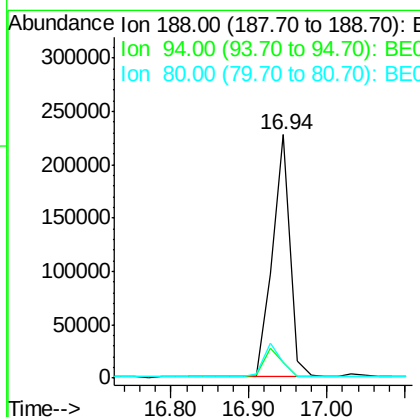
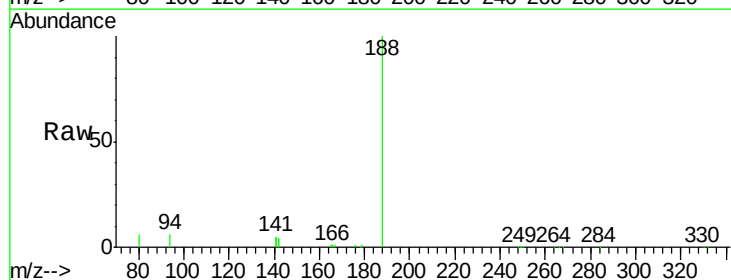
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

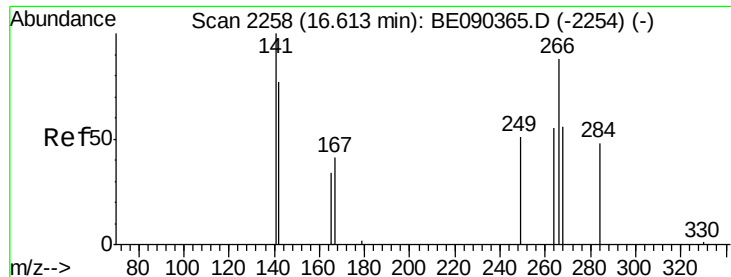
Tgt Ion:166 Resp: 2412
 Ion Ratio Lower Upper
 166 100
 165 185.7 81.5 122.3#
 167 30.7 11.4 17.0#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. 0.00 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

Tgt Ion:188 Resp: 360102
 Ion Ratio Lower Upper
 188 100
 94 6.3 5.7 8.5
 80 6.4 5.8 8.8

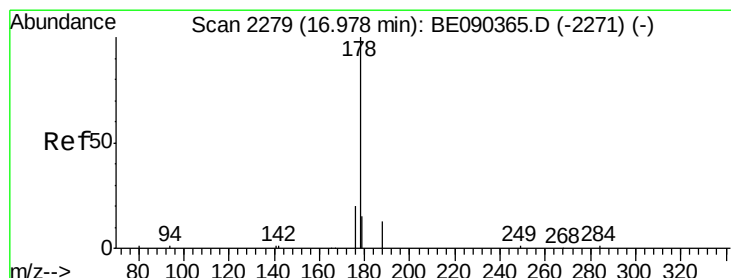
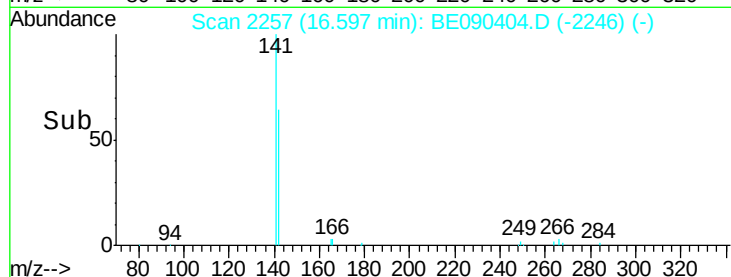
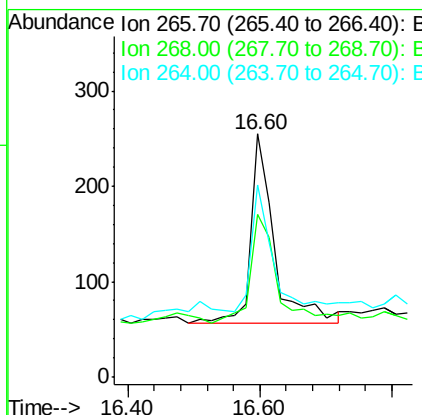
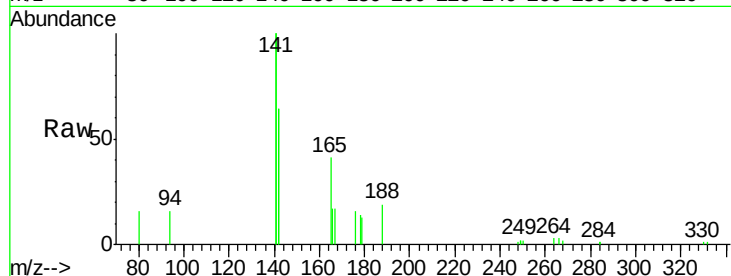




#21
 Pentachlorophenol
 Concen: 0.30 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

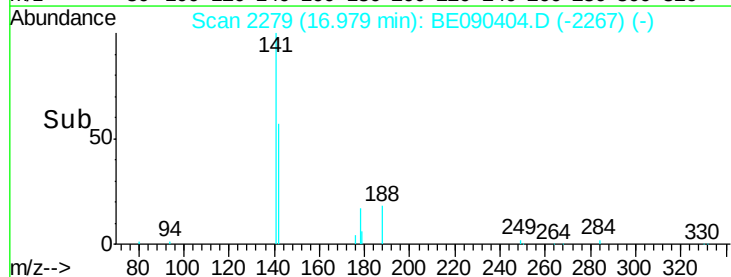
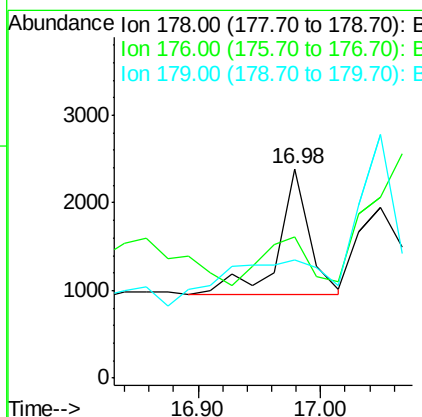
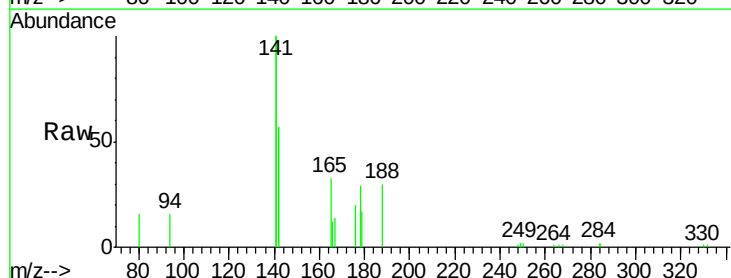
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

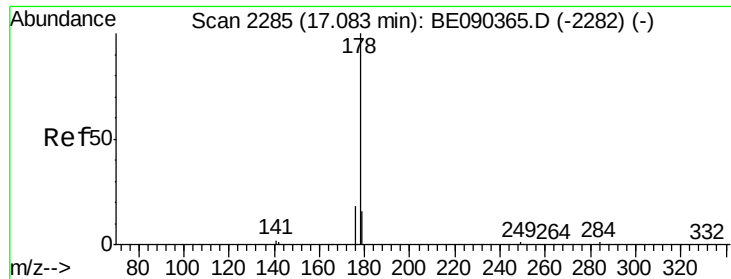
Tgt Ion: 266 Resp: 483
 Ion Ratio Lower Upper
 266 100
 268 66.7 58.5 87.7
 264 78.8 56.0 84.0



#22
 Phenanthrene
 Concen: 0.03 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

Tgt Ion: 178 Resp: 2523
 Ion Ratio Lower Upper
 178 100
 176 56.1 15.4 23.2#
 179 113.8 12.5 18.7#





#23

Anthracene

Concen: 0.04 ng

RT: 17.05 min Scan# 2283

Delta R.T. -0.03 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

Instrument :

BNA_E

ClientSampleId :

SUMP-3

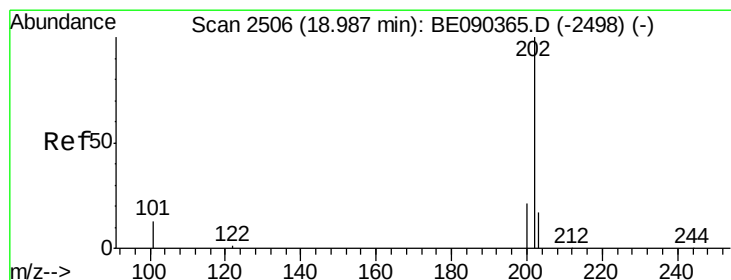
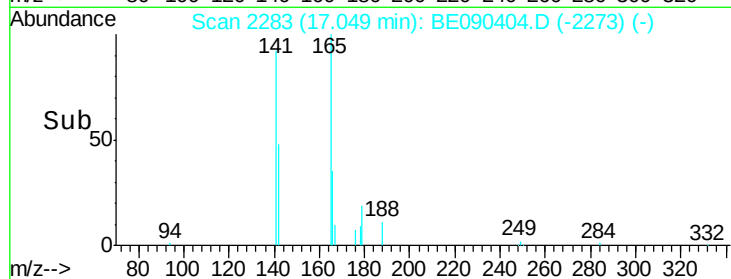
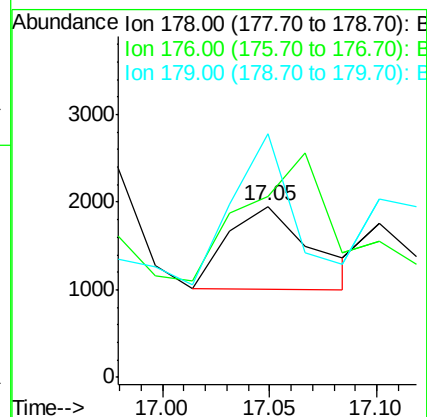
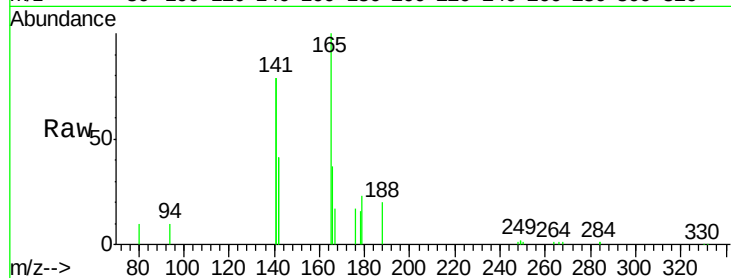
Tgt Ion:178 Resp: 2593

Ion Ratio Lower Upper

178 100

176 231.0 14.9 22.3#

179 130.2 12.2 18.4#



#24

Fluoranthene

Concen: 0.02 ng

RT: 18.98 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

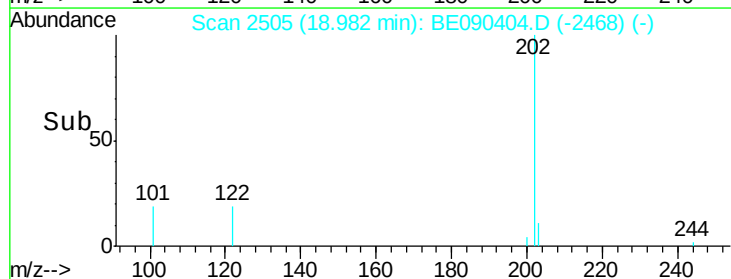
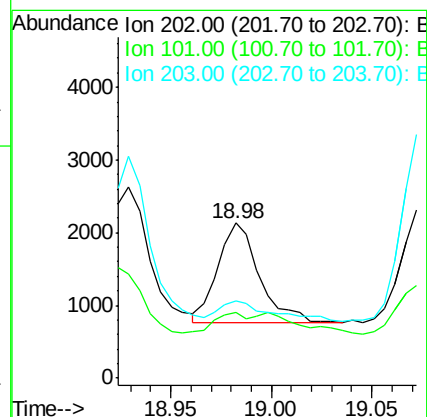
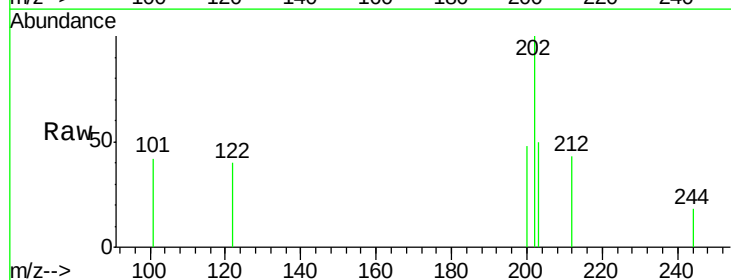
Tgt Ion:202 Resp: 1944

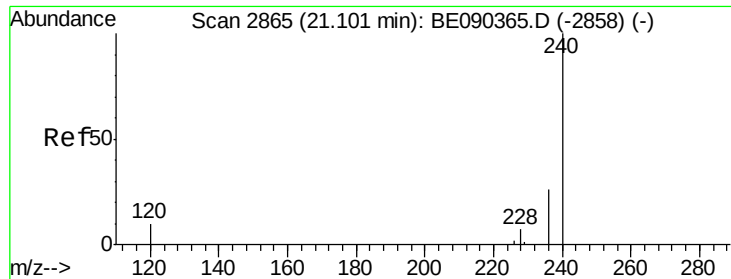
Ion Ratio Lower Upper

202 100

101 15.2 10.3 15.5

203 27.1 13.7 20.5#

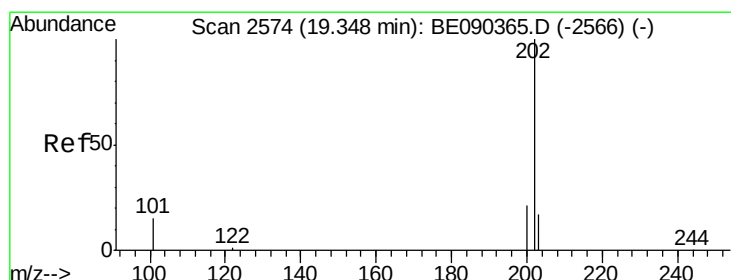
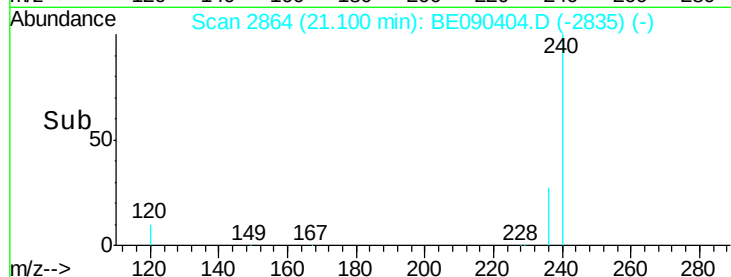
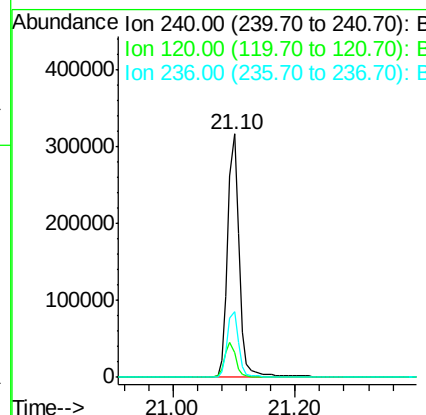
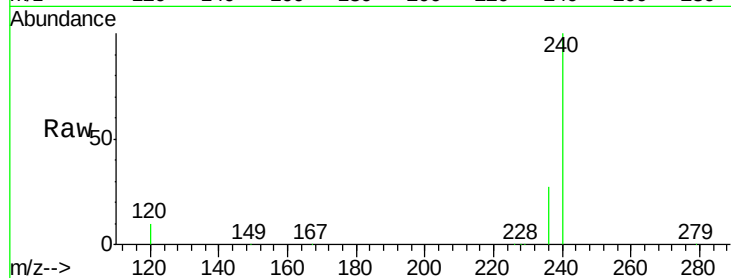




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2864
Delta R.T. -0.00 min
Lab File: BE090404.D
Acq: 7 Aug 2015 19:04

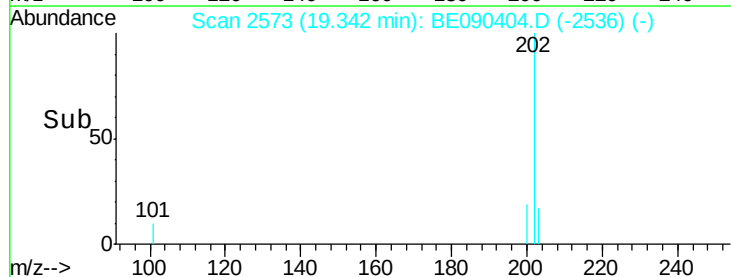
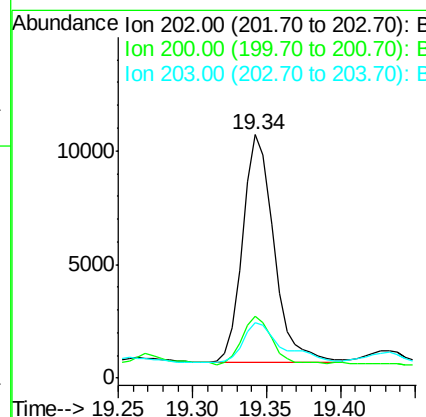
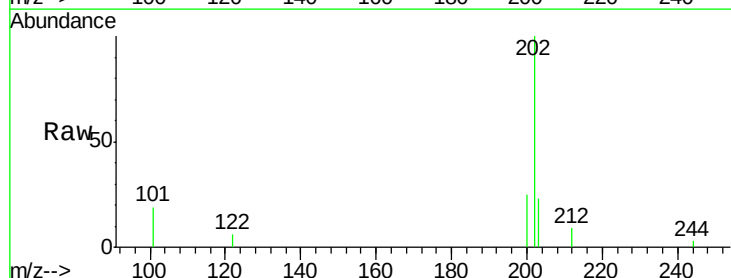
Instrument :
BNA_E
ClientSampleId :
SUMP-3

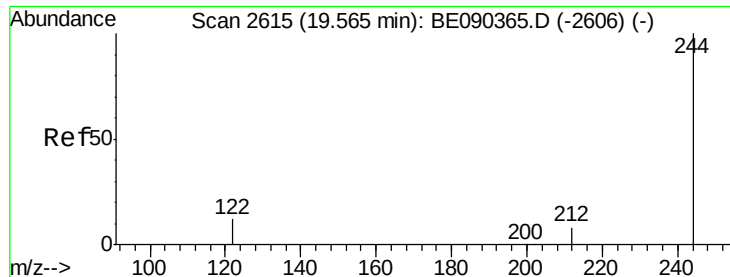
Tgt Ion:240 Resp: 417983
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 26.8 21.0 31.4



#26
Pyrene
Concen: 0.16 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090404.D
Acq: 7 Aug 2015 19:04

Tgt Ion:202 Resp: 14762
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 21.9 13.8 20.8#

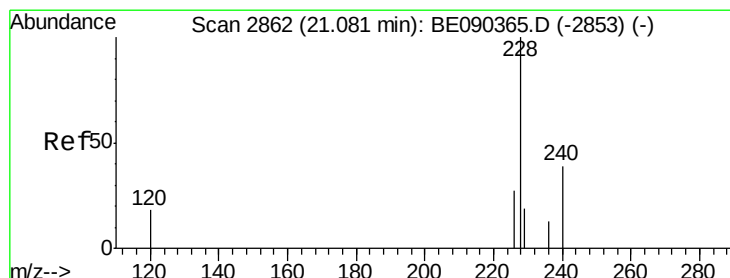
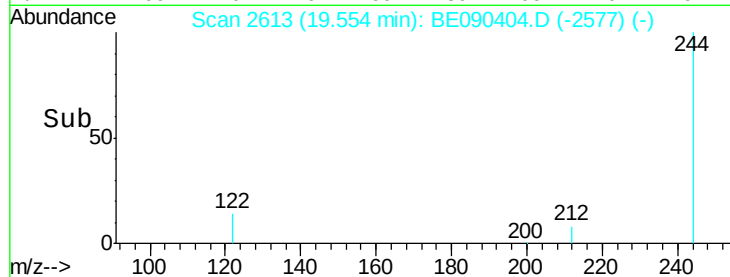
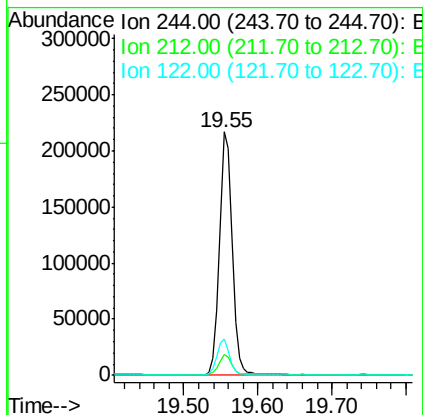
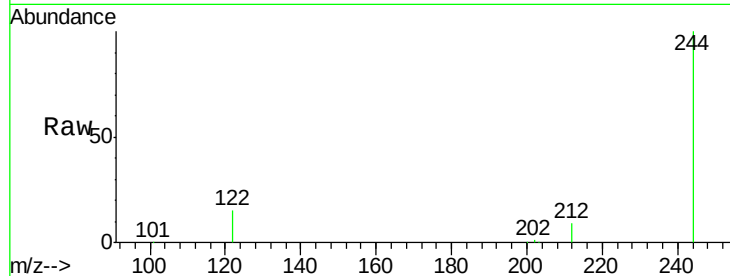




#27
 Terphenyl-d14
 Concen: 4.32 ng
 RT: 19.55 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

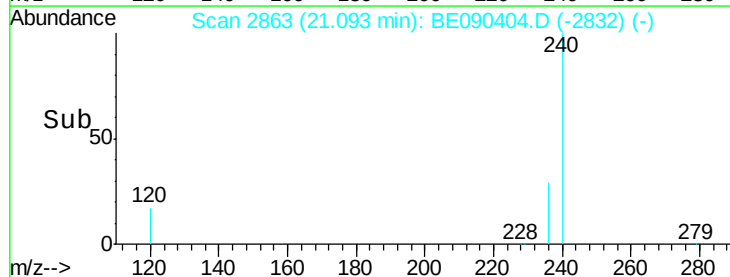
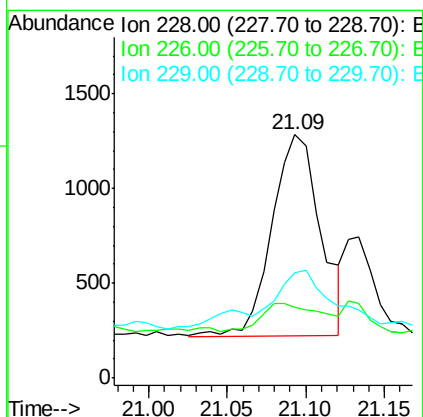
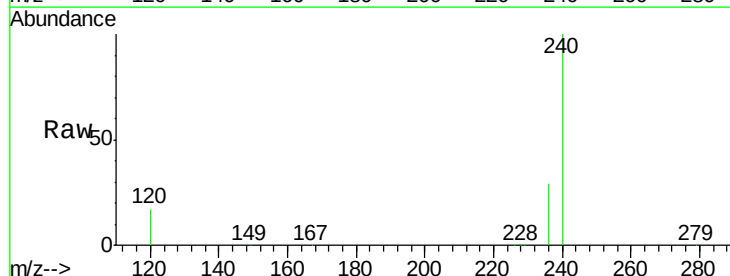
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

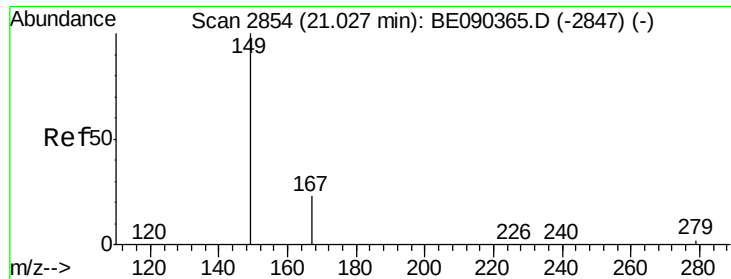
Tgt Ion:244 Resp: 266301
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.6 9.8
 122 14.7 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.09 min Scan# 2863
 Delta R.T. 0.01 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

Tgt Ion:228 Resp: 2288
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.9 32.9
 229 43.1 15.4 23.0#





#30

Bis(2-ethylhexyl)phthalate

Concen: 2.05 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

Instrument :

BNA_E

ClientSampleId :

SUMP-3

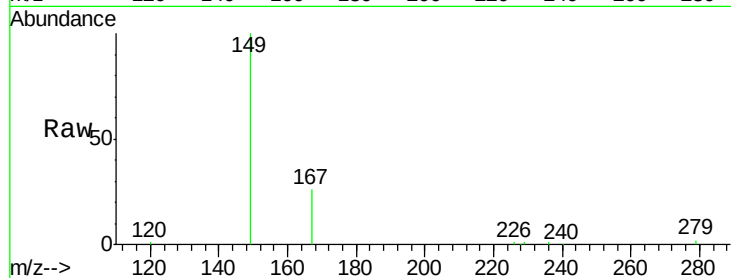
Tgt Ion:149 Resp: 51546

Ion Ratio Lower Upper

149 100

167 25.2 19.8 29.8

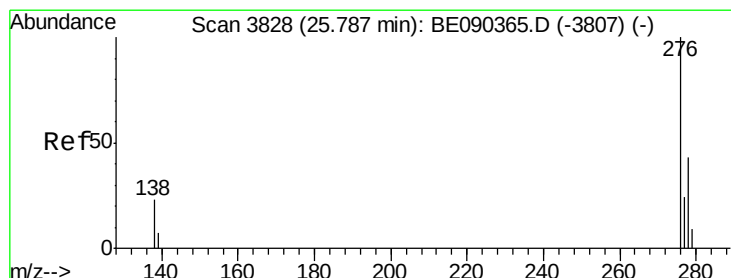
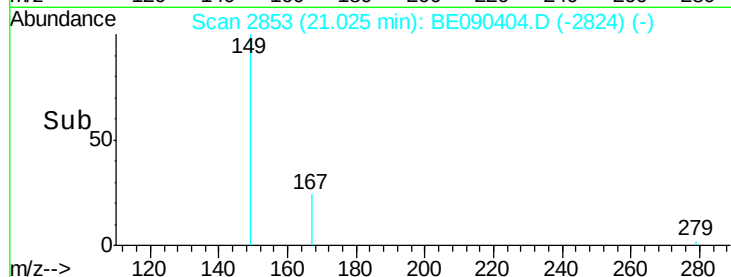
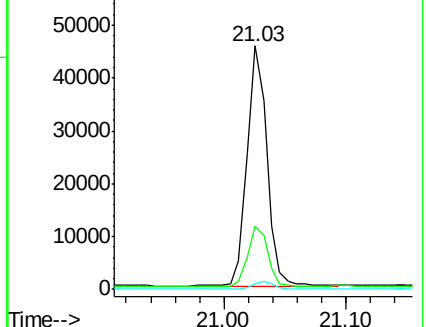
279 3.0 2.4 3.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.27 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.00 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

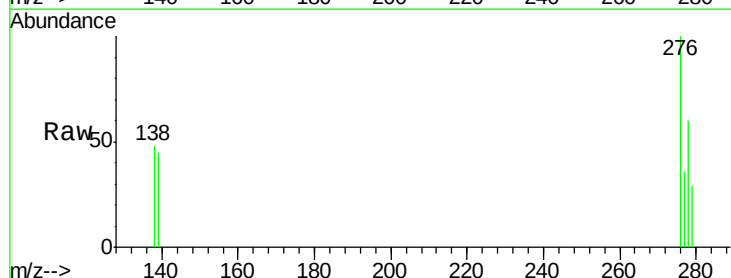
Tgt Ion:276 Resp: 1386

Ion Ratio Lower Upper

276 100

138 29.8 18.8 28.2#

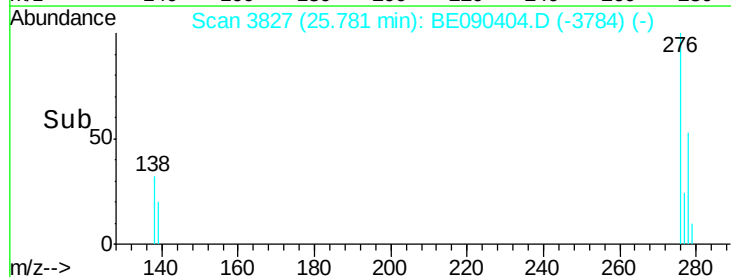
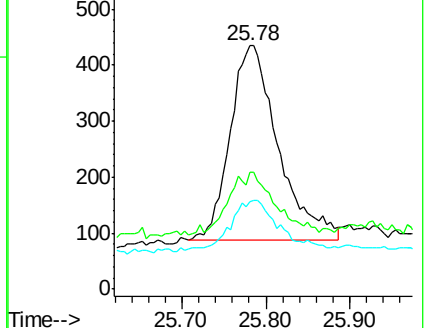
277 21.9 18.2 27.4

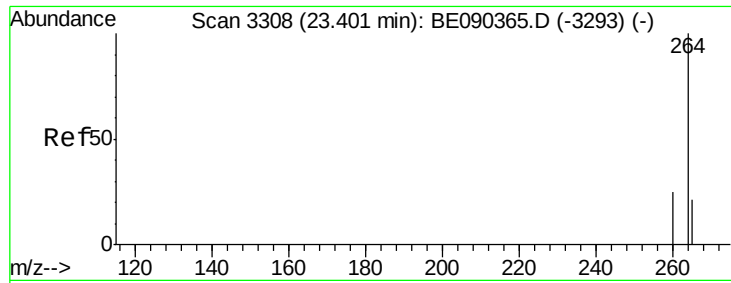


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

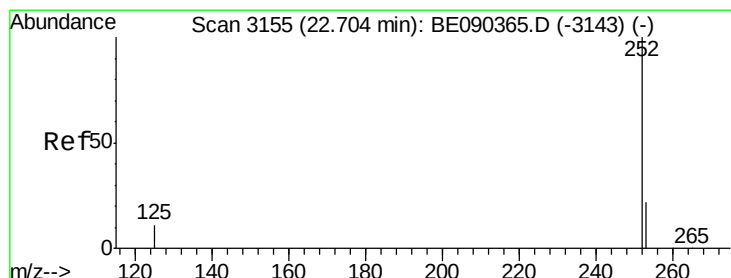
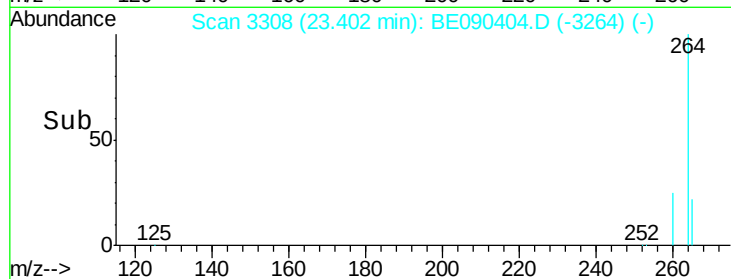
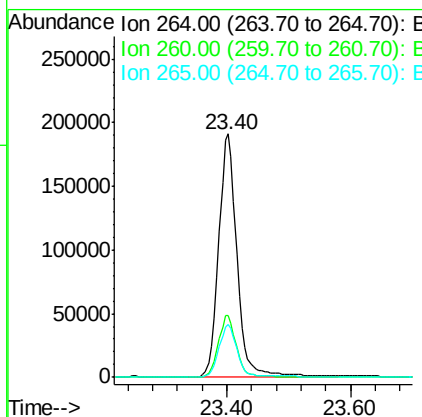
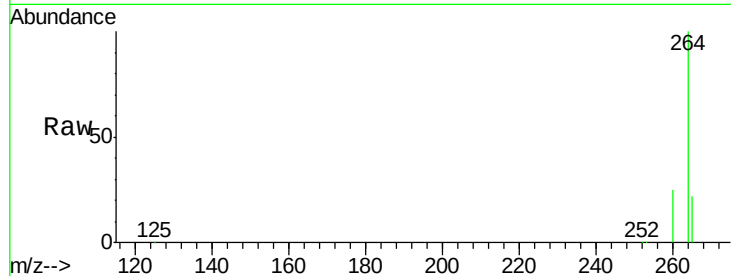




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

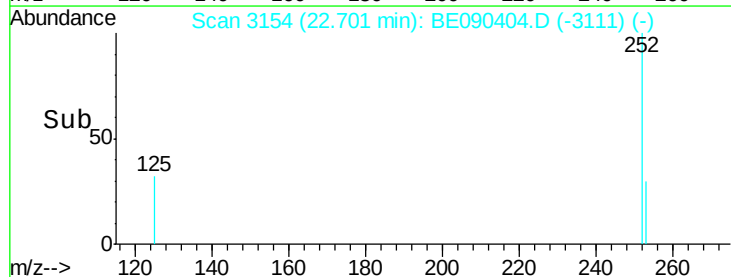
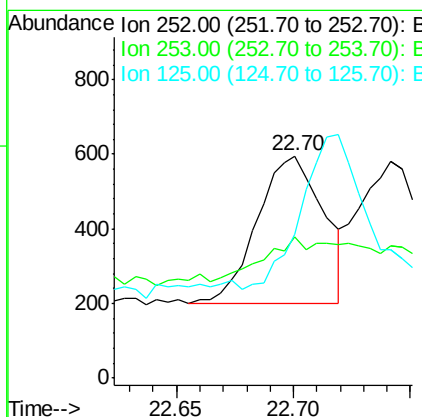
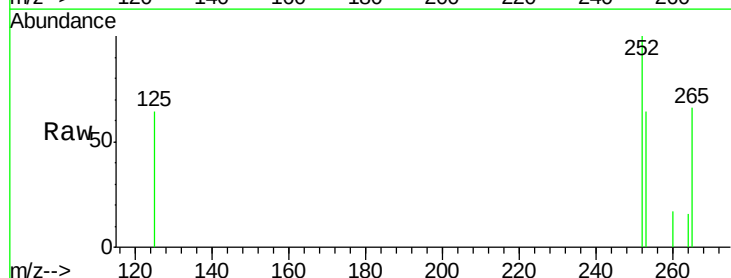
Instrument :
 BNA_E
 ClientSampleId :
 SUMP-3

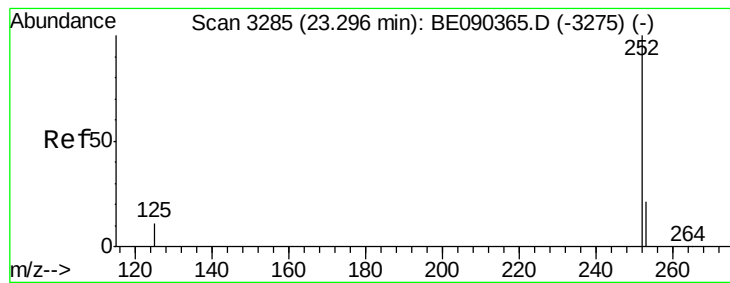
Tgt Ion: 264 Resp: 396459
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.1 30.1
 265 21.8 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090404.D
 Acq: 7 Aug 2015 19:04

Tgt Ion: 252 Resp: 783
 Ion Ratio Lower Upper
 252 100
 253 63.6 18.1 27.1#
 125 64.4 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

Instrument :

BNA_E

ClientSampleId :

SUMP-3

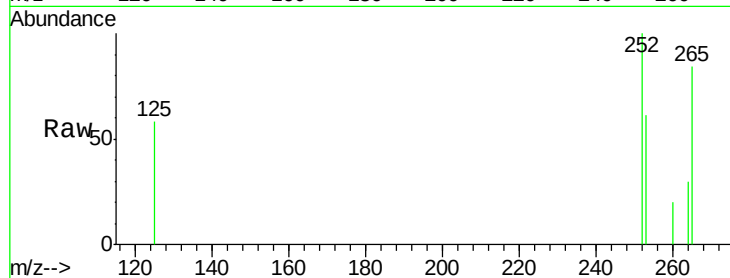
Tgt Ion:252 Resp: 807

Ion Ratio Lower Upper

252 100

253 60.5 17.6 26.4#

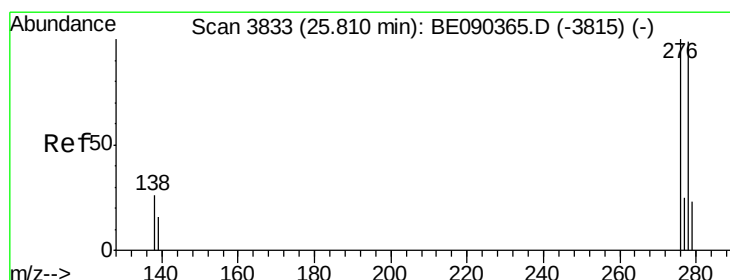
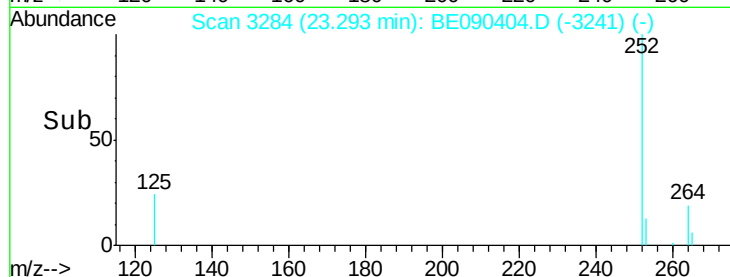
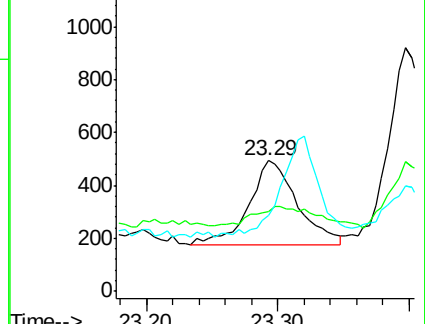
125 57.7 9.8 14.6#



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: 0.30 ng

RT: 25.80 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BE090404.D

Acq: 7 Aug 2015 19:04

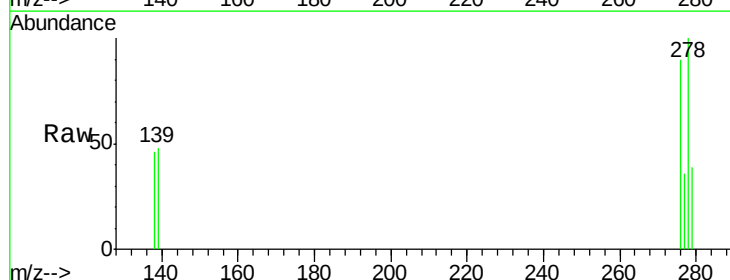
Tgt Ion:278 Resp: 1172

Ion Ratio Lower Upper

278 100

139 47.7 14.2 21.4#

279 39.0 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

