

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090425.D
 Acq On : 11 Aug 2015 5:49
 Operator : TP/UM
 Sample : PB84906BSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84906BSD

Quant Time: Aug 11 07:15:12 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

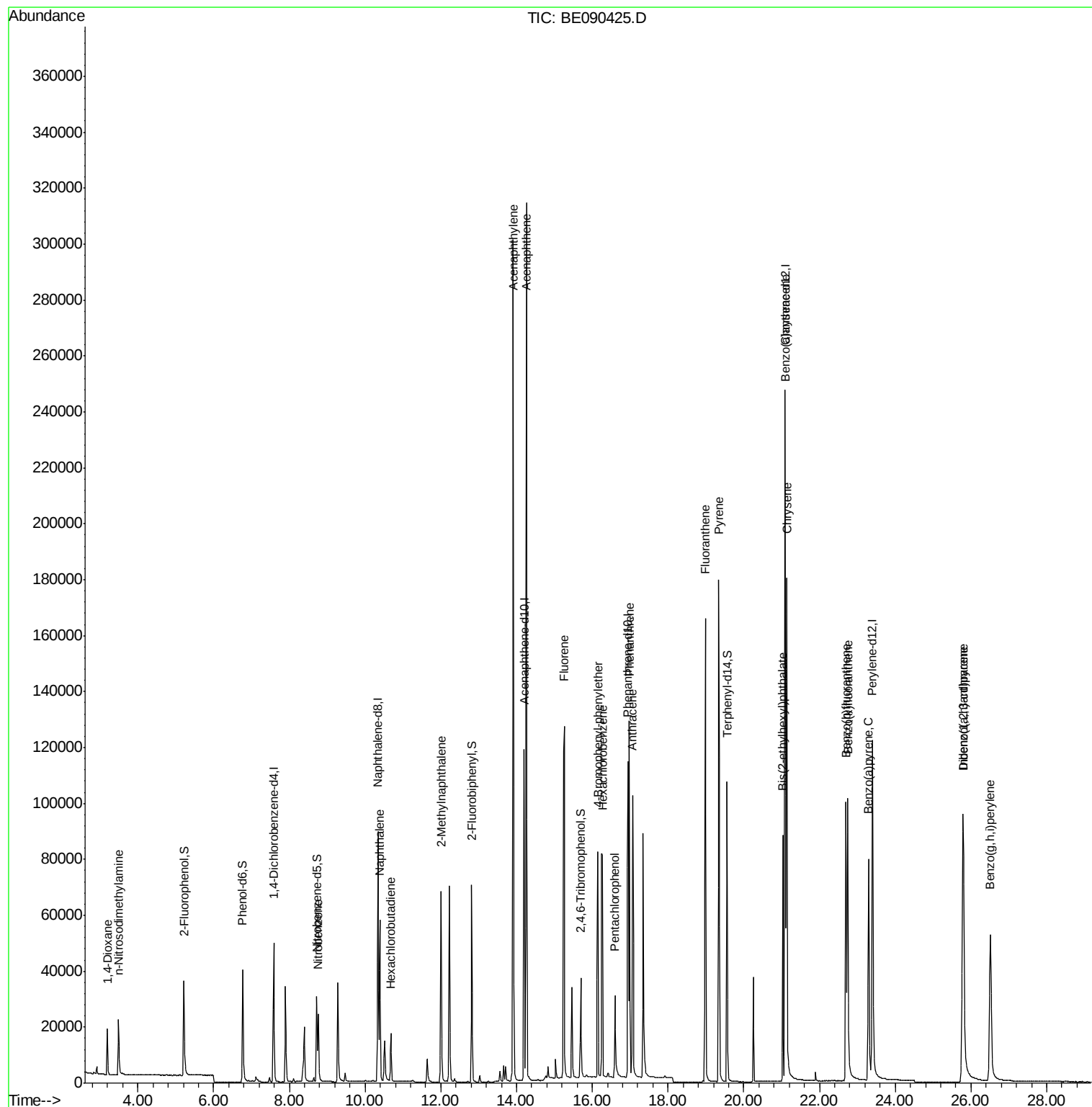
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	25438	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	120768	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	71327	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	166555	5.00	ng	0.00
25) Chrysene-d12	21.09	240	198409	5.00	ng	0.00
32) Perylene-d12	23.40	264	177440	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	31116	8.15	ng	0.00
5) Phenol-d6	6.77	99	49977	6.10	ng	0.00
7) Nitrobenzene-d5	8.72	82	30168	3.15	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	16433	7.68	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	67566	3.44	ng	0.00
27) Terphenyl-d14	19.56	244	117819	4.03	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	9383	3.08	ng	97
3) n-Nitrosodimethylamine	3.49	42	12185	3.10	ng	# 82
8) Nitrobenzene	8.77	77	29831	2.93	ng	97
9) Naphthalene	10.38	128	77862	2.92	ng	98
10) Hexachlorobutadiene	10.68	225	12704	3.12	ng	99
11) 2-Methylnaphthalene	12.01	142	52661	3.41	ng	98
15) Acenaphthylene	13.91	152	382385	3.31	ng	100
16) Acenaphthene	14.26	154	55902	3.11	ng	86
17) Fluorene	15.26	166	75522	3.24	ng	99
19) 4-Bromophenyl-phenylether	16.14	248	22353	3.45	ng	95
20) Hexachlorobenzene	16.27	284	98841	2.95	ng	99
21) Pentachlorophenol	16.60	266	17361	7.07	ng	90
22) Phenanthrene	16.98	178	132991	3.19	ng	100
23) Anthracene	17.07	178	125883	3.68	ng	99
24) Fluoranthene	18.98	202	154482	3.77	ng	99
26) Pyrene	19.34	202	166129	3.86	ng	99
28) Benzo(a)anthracene	21.08	228	158043	3.59	ng	99
29) Chrysene	21.13	228	167910	3.16	ng	100
30) Bis(2-ethylhexyl)phthalate	21.03	149	70708	4.59	ng	98
31) Indeno(1,2,3-cd)pyrene	25.78	276	144705	3.12	ng	95
33) Benzo(b)fluoranthene	22.70	252	132965	3.38	ng	99
34) Benzo(k)fluoranthene	22.74	252	154389	3.12	ng	99
35) Benzo(a)pyrene	23.30	252	125652	3.39	ng	100
36) Dibenzo(a,h)anthracene	25.80	278	115147	3.21	ng	98
37) Benzo(g,h,i)perylene	26.51	276	127502	3.89	ng	98

(#) = 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: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

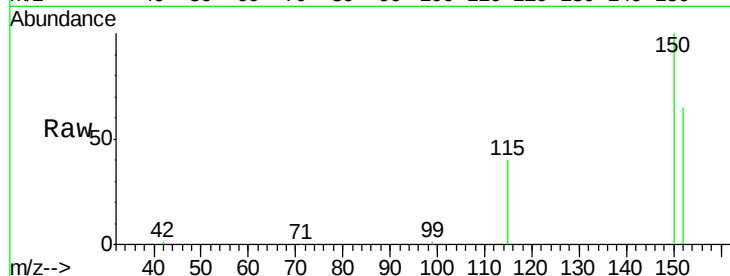
Tgt Ion:152 Resp: 25438

Ion Ratio Lower Upper

152 100

150 152.8 123.0 184.4

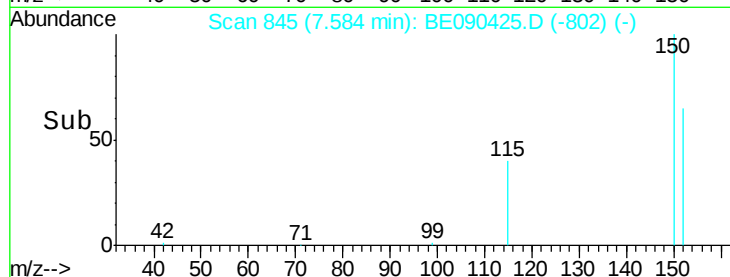
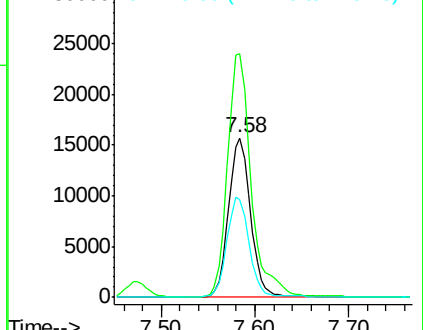
115 61.3 48.9 73.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.08 ng

RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

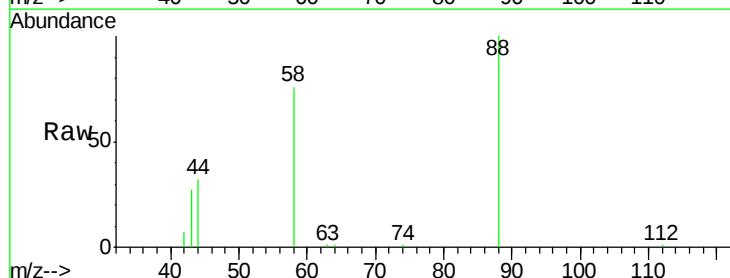
Tgt Ion: 88 Resp: 9383

Ion Ratio Lower Upper

88 100

58 86.6 70.0 105.0

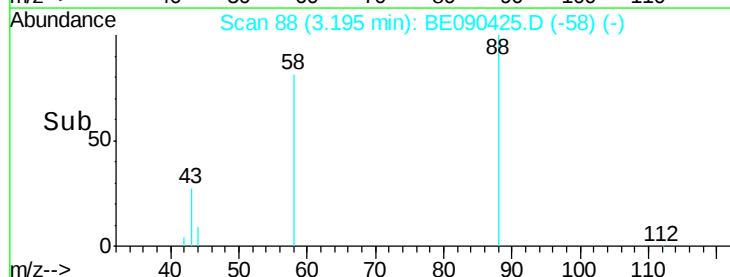
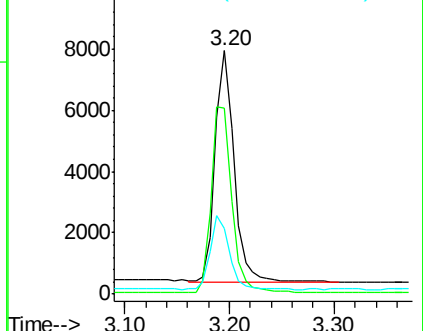
43 31.8 28.4 42.6



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: 3.10 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

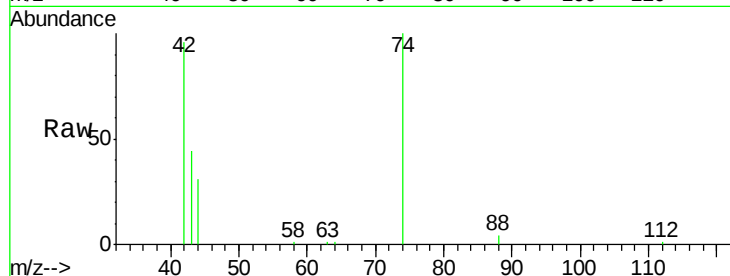
Tgt Ion: 42 Resp: 12185

Ion Ratio Lower Upper

42 100

74 113.2 75.2 112.8#

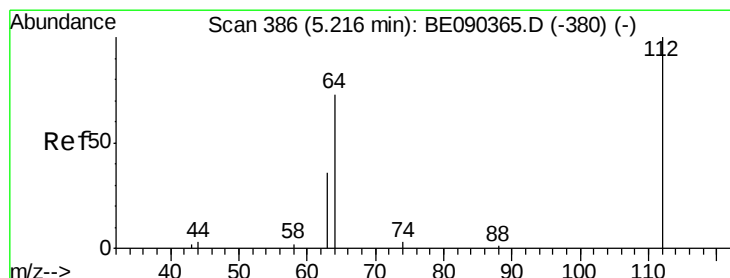
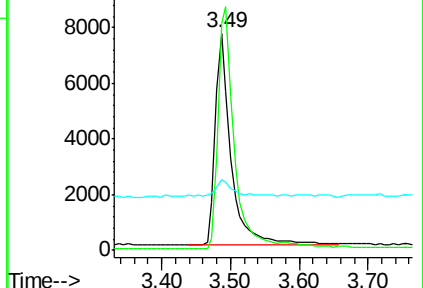
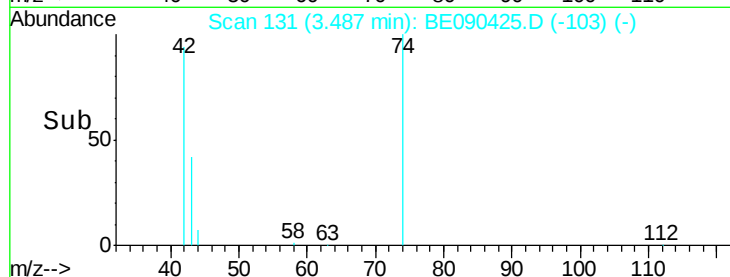
44 9.7 8.7 13.1



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: 8.15 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

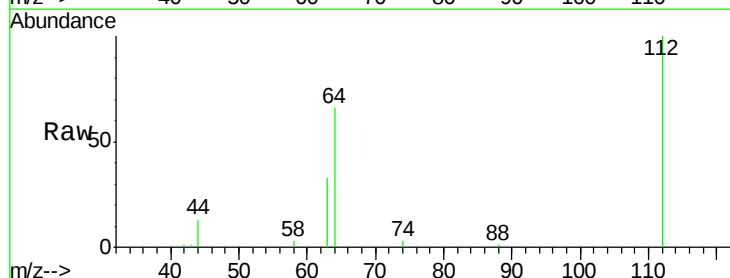
Tgt Ion: 112 Resp: 31116

Ion Ratio Lower Upper

112 100

64 70.7 37.1 55.7#

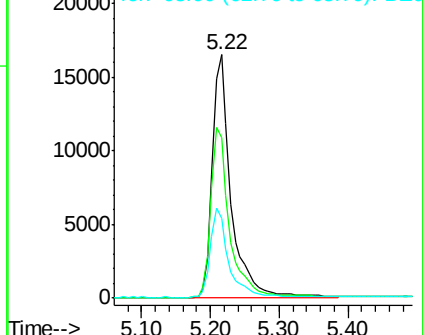
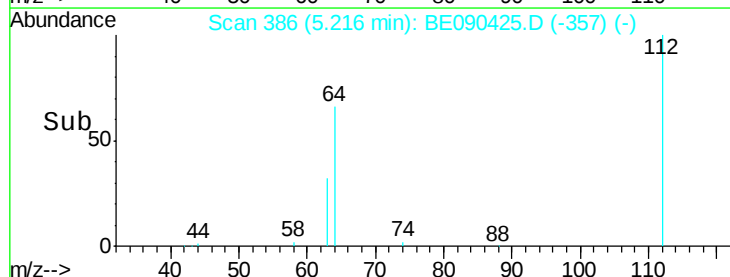
63 35.9 19.5 29.3#



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: 6.10 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

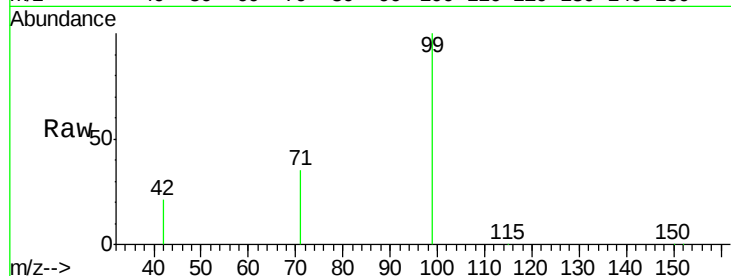
Tgt Ion: 99 Resp: 49977

Ion Ratio Lower Upper

99 100

42 21.3 18.2 27.4

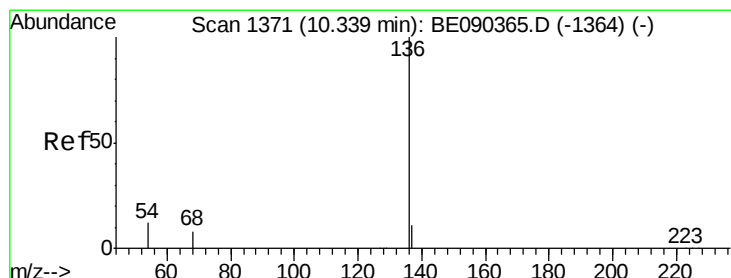
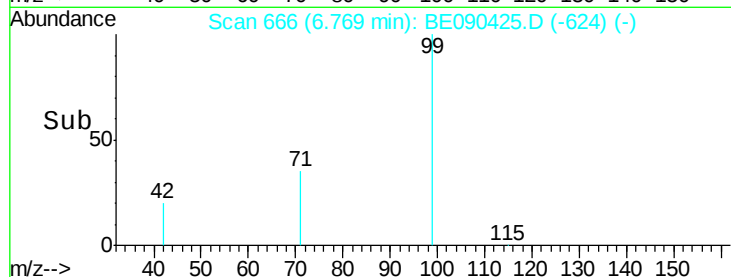
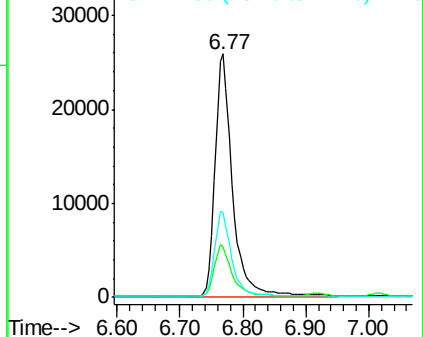
71 35.1 27.4 41.0



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: BE090425.D

Acq: 11 Aug 2015 5:49

Tgt Ion: 136 Resp: 120768

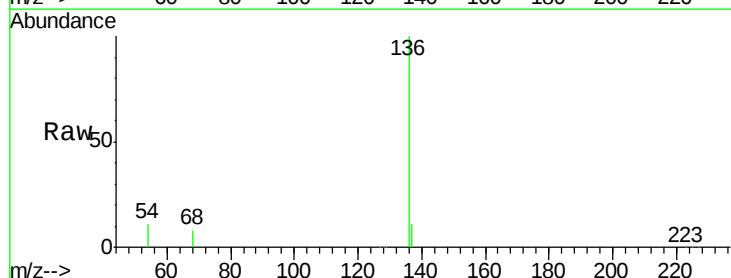
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.5 9.4 14.0

68 7.9 6.5 9.7

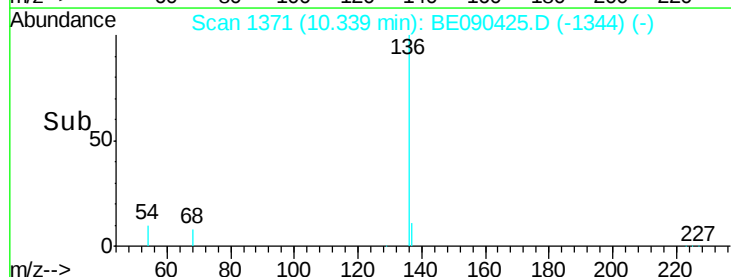
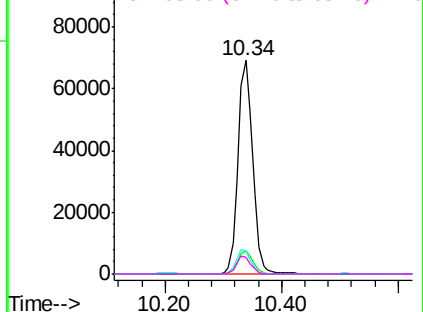


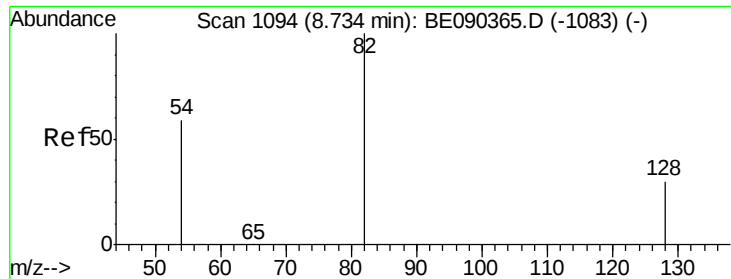
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.15 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

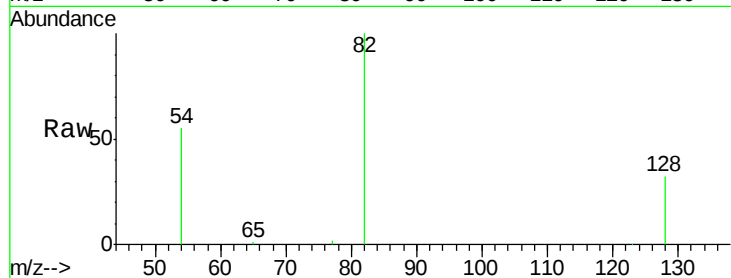
Tgt Ion: 82 Resp: 30168

Ion Ratio Lower Upper

82 100

128 32.3 25.0 37.6

54 54.7 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

8.72

15000

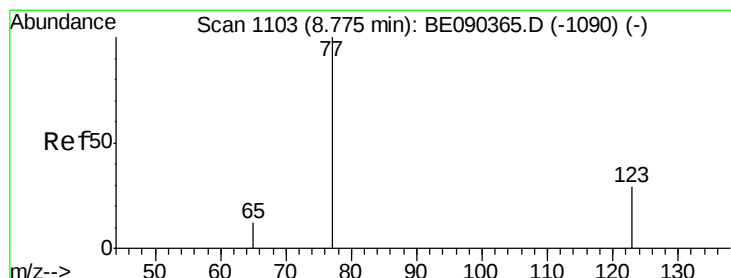
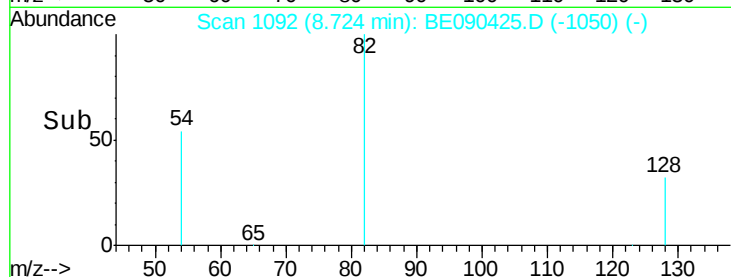
10000

5000

0

8.60 8.70 8.80 8.90

Time-->



#8

Nitrobenzene

Concen: 2.93 ng

RT: 8.77 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

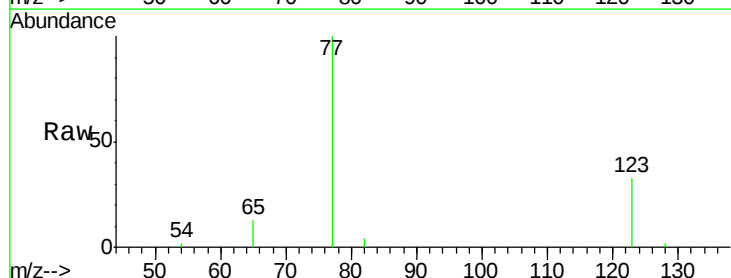
Tgt Ion: 77 Resp: 29831

Ion Ratio Lower Upper

77 100

123 33.2 25.1 37.7

65 12.8 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

8.77

15000

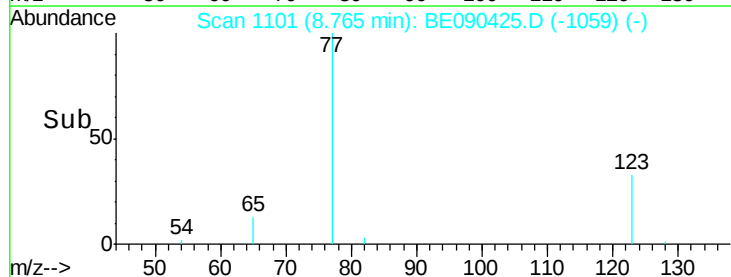
10000

5000

0

8.60 8.70 8.80 8.90 9.00

Time-->





#9

Naphthalene

Concen: 2.92 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

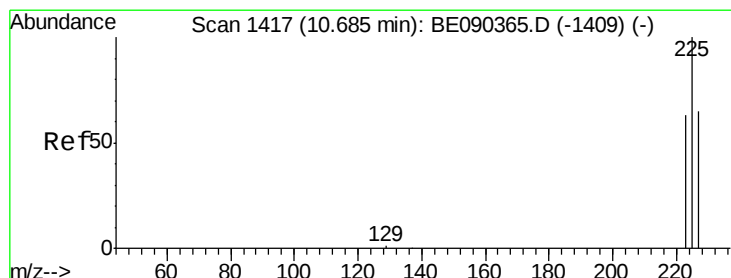
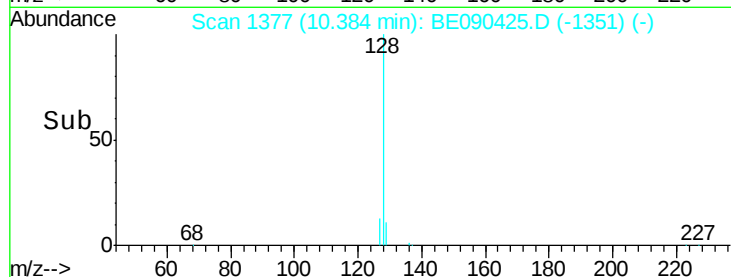
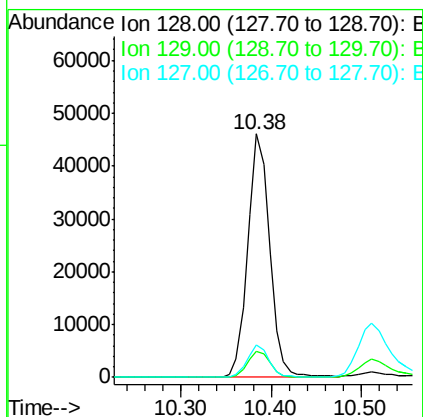
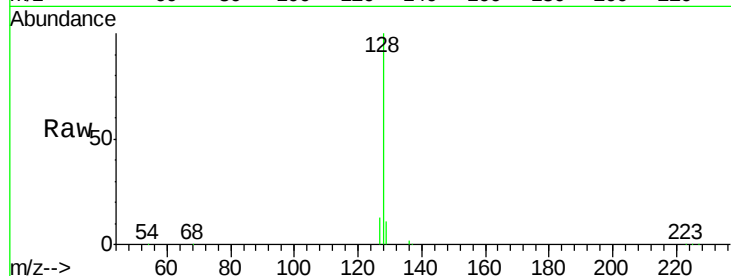
Tgt Ion:128 Resp: 77862

Ion Ratio Lower Upper

128 100

129 10.9 9.8 14.6

127 13.1 10.6 16.0



#10

Hexachlorobutadiene

Concen: 3.12 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

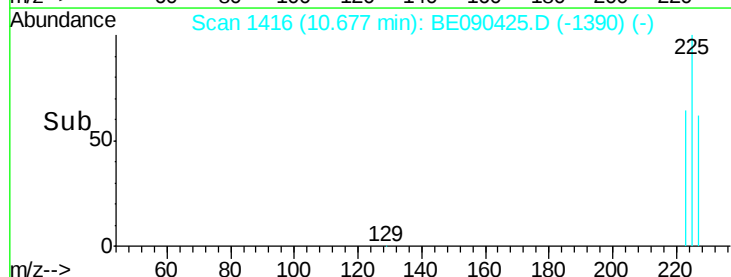
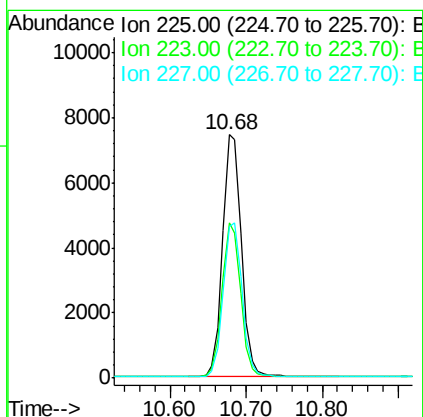
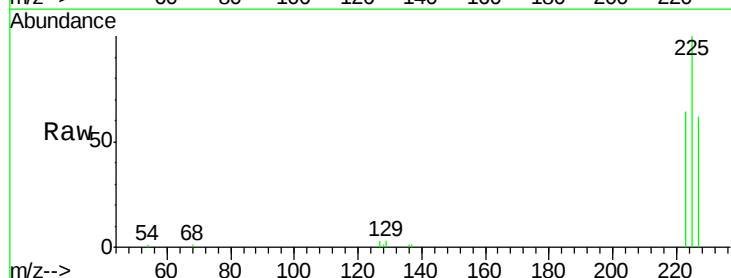
Tgt Ion:225 Resp: 12704

Ion Ratio Lower Upper

225 100

223 62.6 50.6 75.8

227 63.7 50.7 76.1

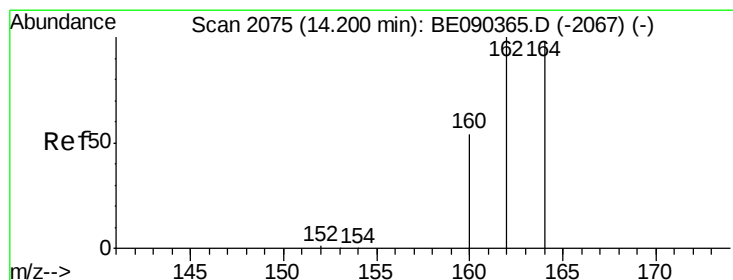
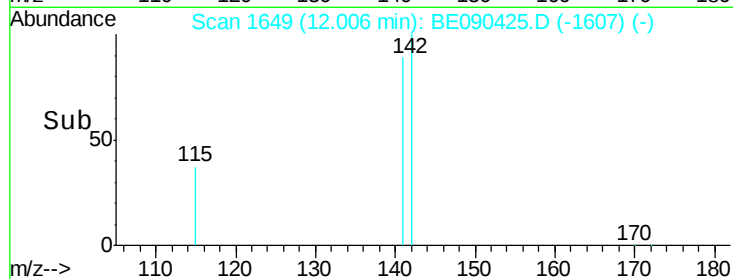
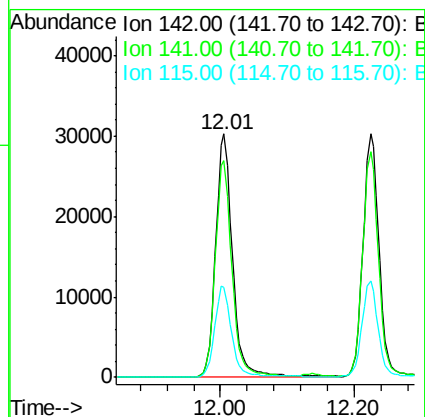
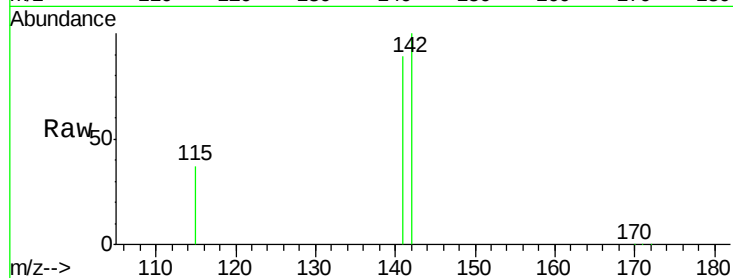




#11
2-Methylnaphthalene
Concen: 3.41 ng
RT: 12.01 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090425.D
Acq: 11 Aug 2015 5:49

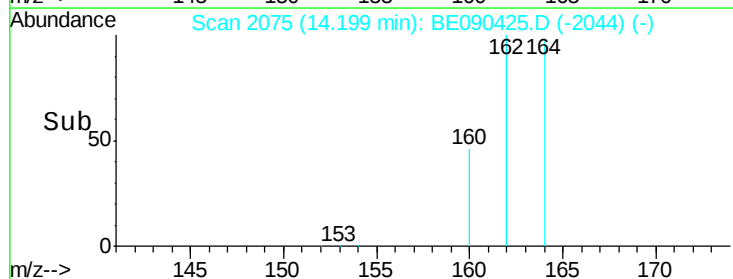
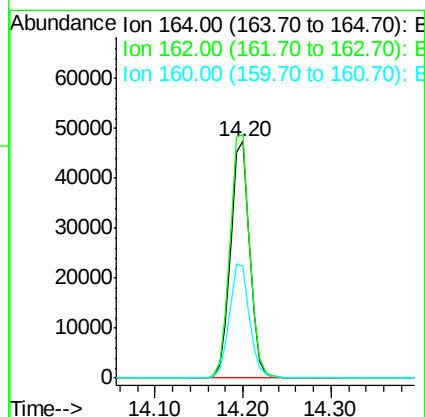
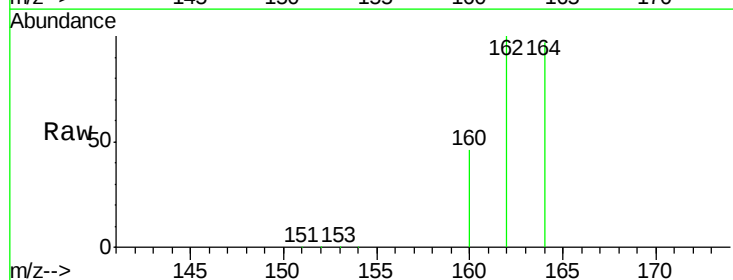
Instrument :
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Tgt Ion:142 Resp: 52661
Ion Ratio Lower Upper
142 100
141 89.3 72.6 109.0
115 37.3 31.6 47.4



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE090425.D
Acq: 11 Aug 2015 5:49

Tgt Ion:164 Resp: 71327
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.8
160 46.9 44.2 66.4

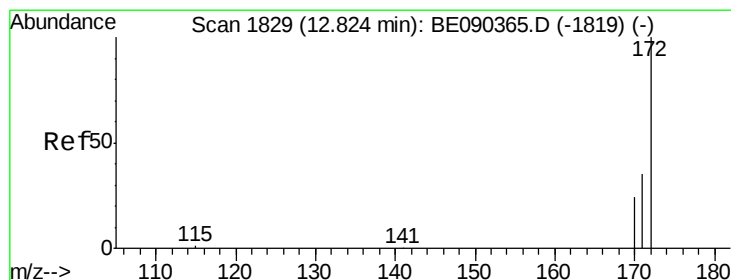
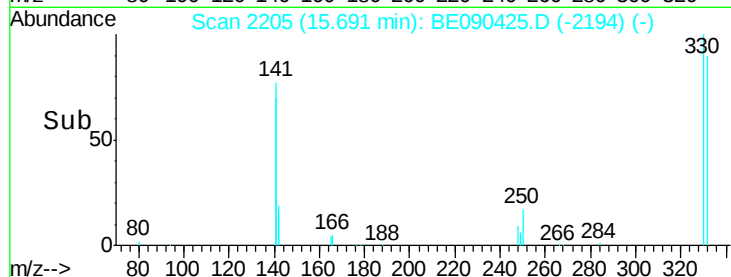
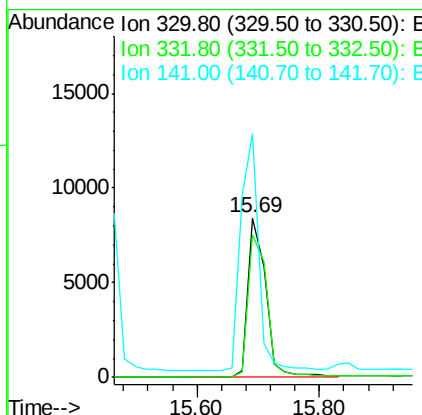
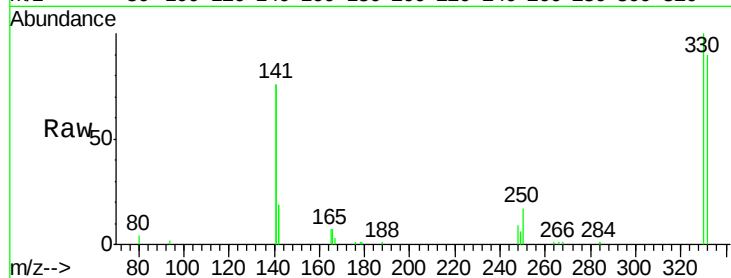




#13
 2,4,6-Tribromophenol
 Concen: 7.68 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090425.D
 Acq: 11 Aug 2015 5:49

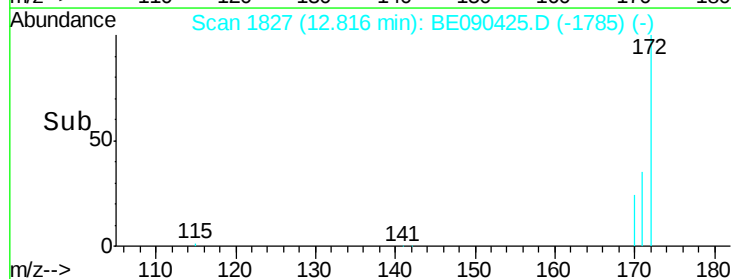
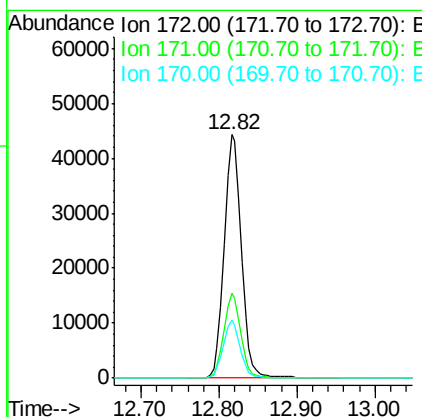
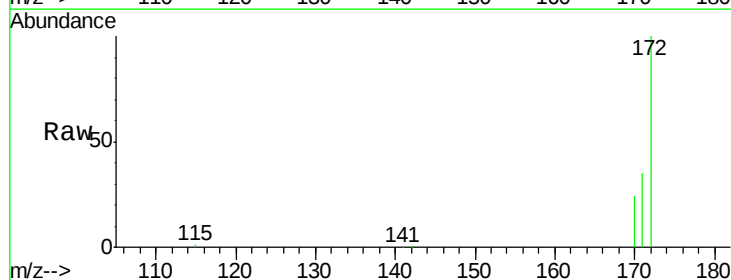
Instrument :
 BNA_E
 ClientSampleId :
 PB84906BSD

Tgt Ion: 330 Resp: 16433
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.8 113.6
 141 155.6 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 3.44 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090425.D
 Acq: 11 Aug 2015 5:49

Tgt Ion: 172 Resp: 67566
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.5 42.7
 170 23.8 19.8 29.8

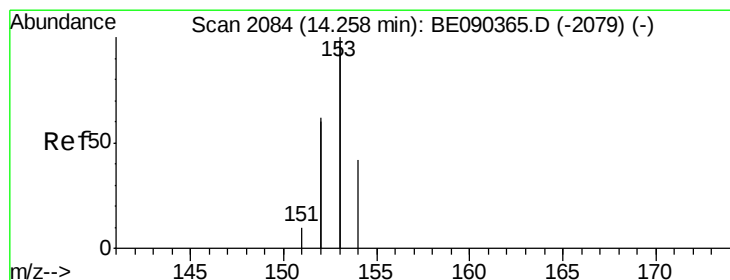
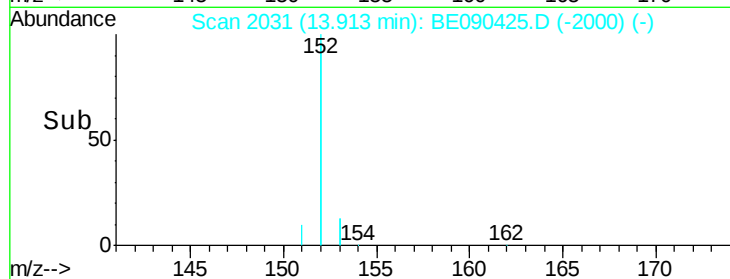
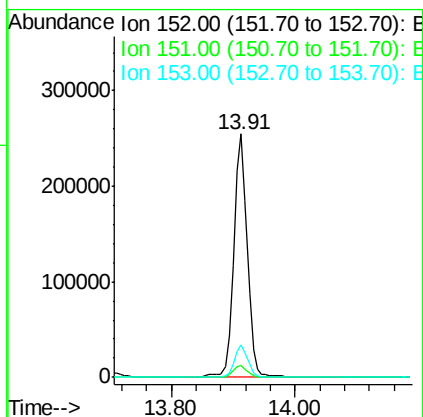
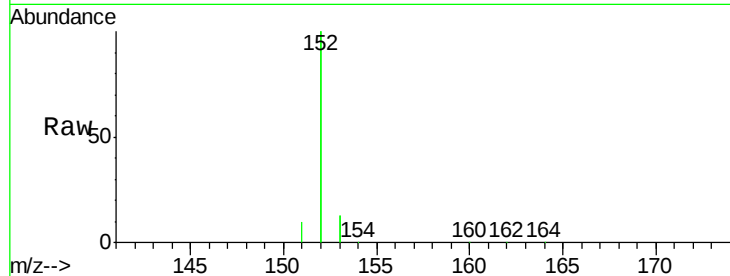




#15
Acenaphthylene
Concen: 3.31 ng
RT: 13.91 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE090425.D
Acq: 11 Aug 2015 5:49

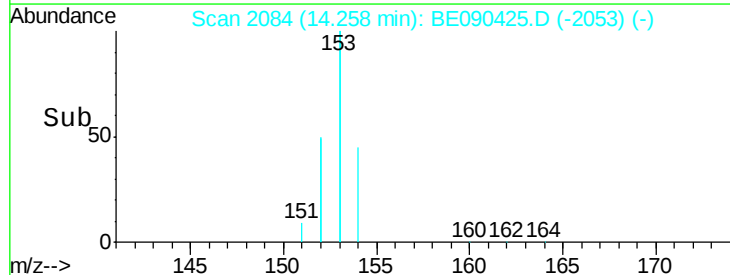
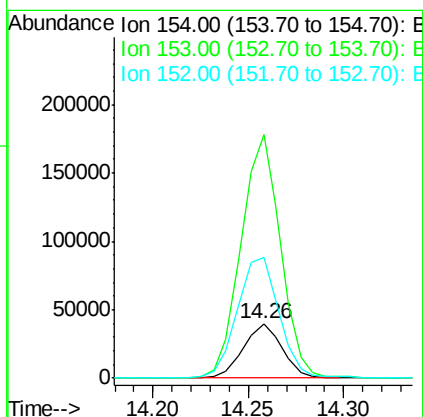
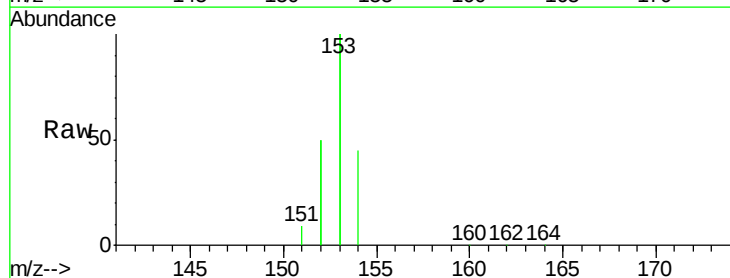
Instrument :
BNA_E
ClientSampleId :
PB84906BSD

Tgt Ion:152 Resp: 382385
Ion Ratio Lower Upper
152 100
151 4.9 3.8 5.8
153 13.0 10.3 15.5



#16
Acenaphthene
Concen: 3.11 ng
RT: 14.26 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BE090425.D
Acq: 11 Aug 2015 5:49

Tgt Ion:154 Resp: 55902
Ion Ratio Lower Upper
154 100
153 456.9 376.2 564.2
152 239.1 235.0 352.4





#17

Fluorene

Concen: 3.24 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

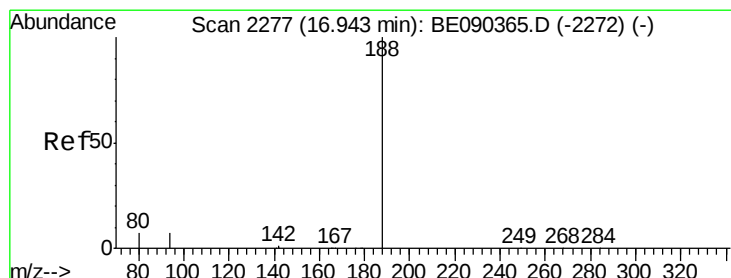
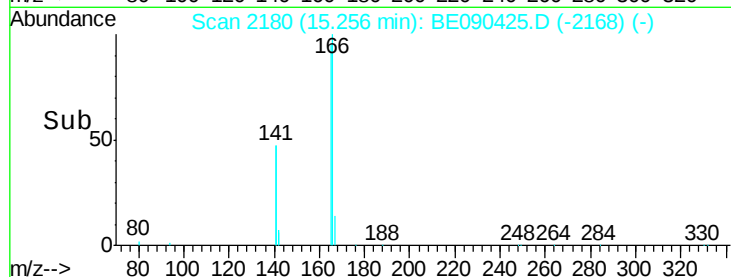
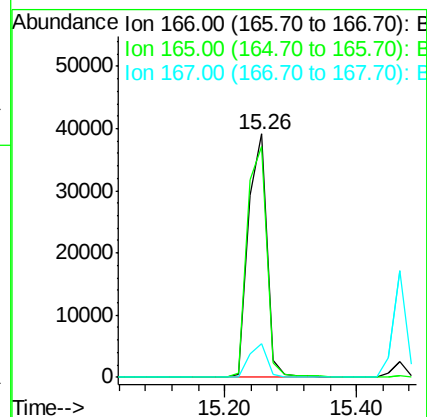
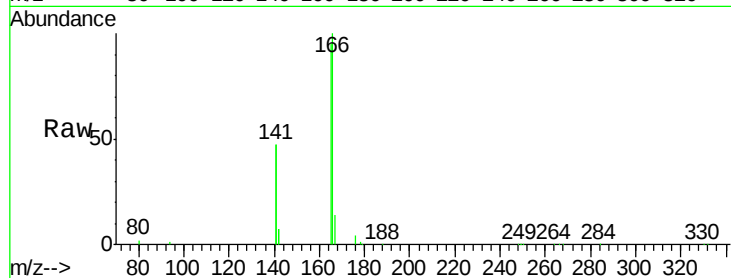
Tgt Ion:166 Resp: 75522

Ion Ratio Lower Upper

166 100

165 100.5 81.5 122.3

167 13.5 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: BE090425.D

Acq: 11 Aug 2015 5:49

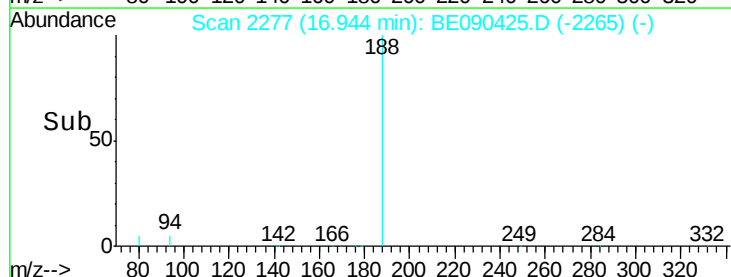
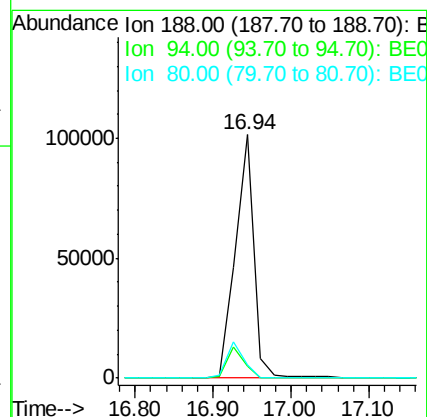
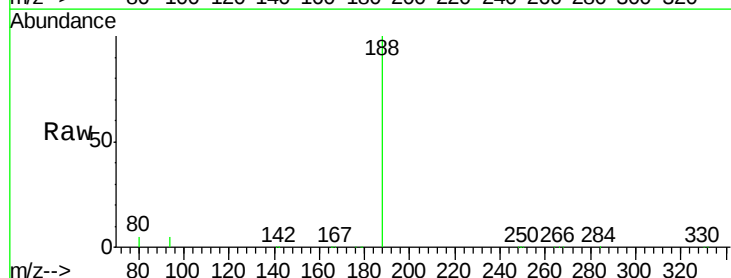
Tgt Ion:188 Resp: 166555

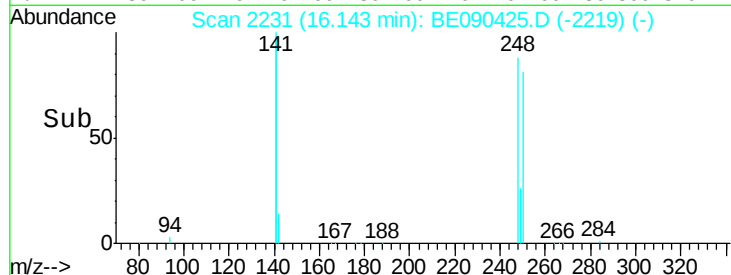
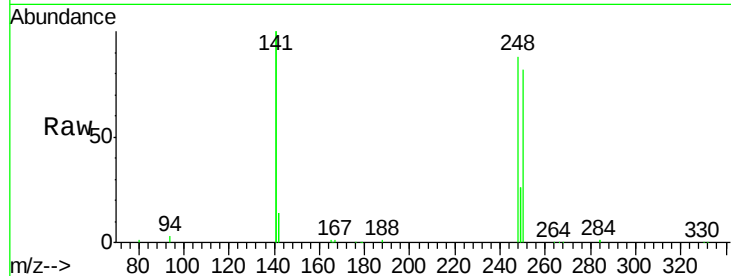
Ion Ratio Lower Upper

188 100

94 5.1 5.7 8.5#

80 5.3 5.8 8.8#

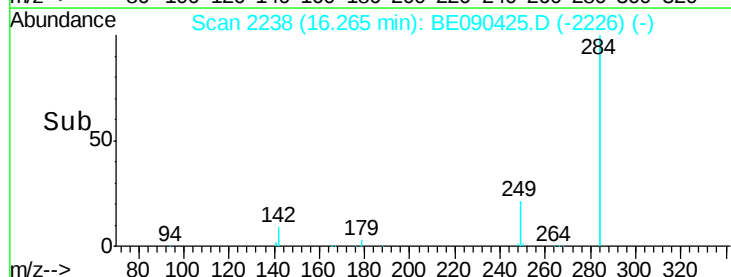
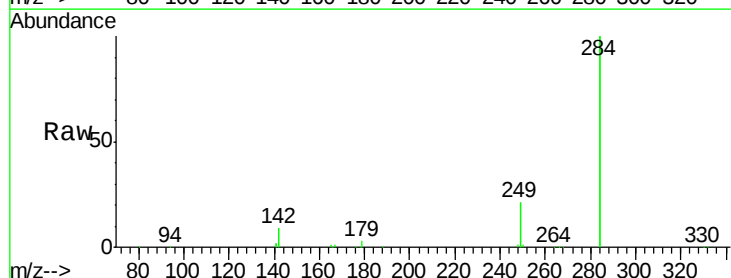
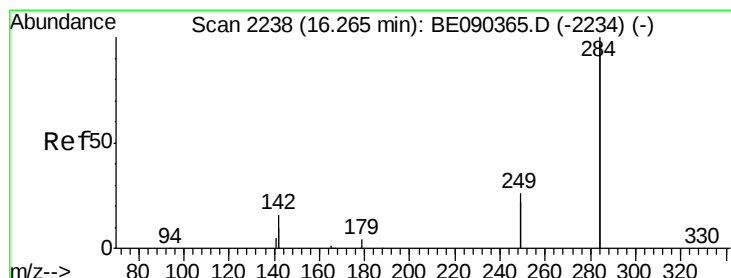
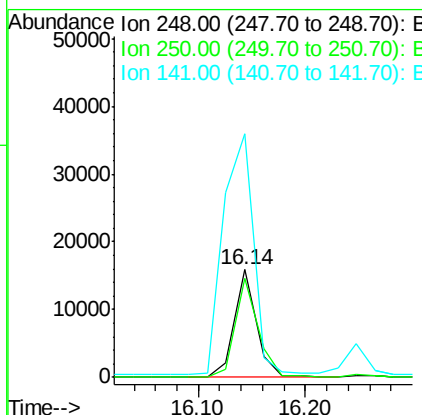




#19
4-Bromophenyl-phenylether
Concen: 3.45 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090425.D
Acq: 11 Aug 2015 5:49

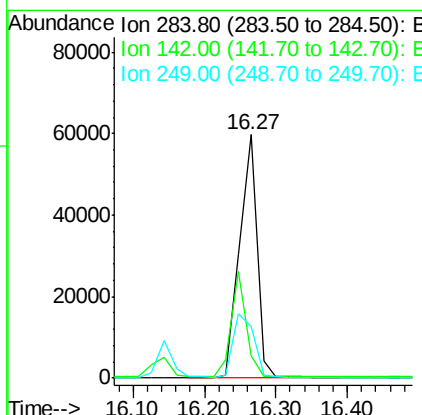
Instrument :
BNA_E
ClientSampleId :
PB84906BSD

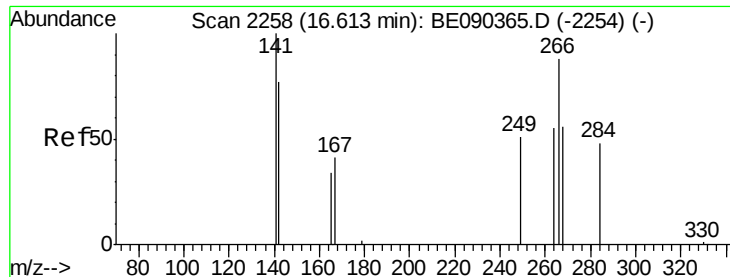
Tgt Ion:248 Resp: 22353
Ion Ratio Lower Upper
248 100
250 95.5 79.0 118.6
141 309.5 239.5 359.3



#20
Hexachlorobenzene
Concen: 2.95 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090425.D
Acq: 11 Aug 2015 5:49

Tgt Ion:284 Resp: 98841
Ion Ratio Lower Upper
284 100
142 37.6 30.1 45.1
249 30.9 25.7 38.5





#21

Pentachlorophenol

Concen: 7.07 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

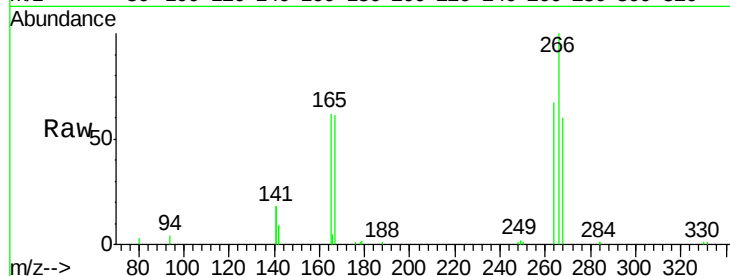
Tgt Ion:266 Resp: 17361

Ion Ratio Lower Upper

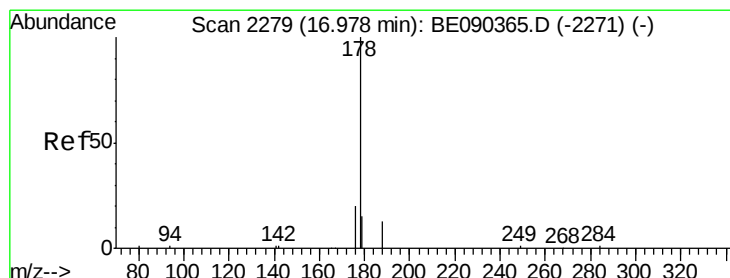
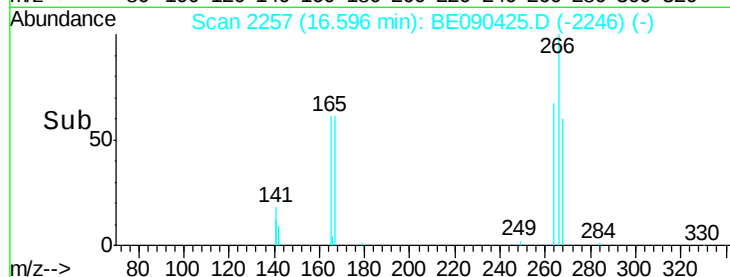
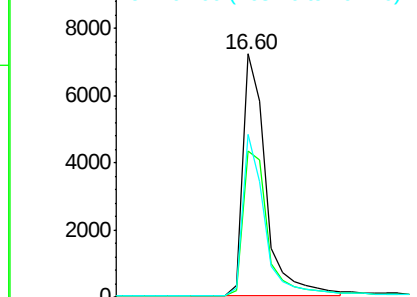
266 100

268 60.0 58.5 87.7

264 67.0 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: 3.19 ng

RT: 16.98 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

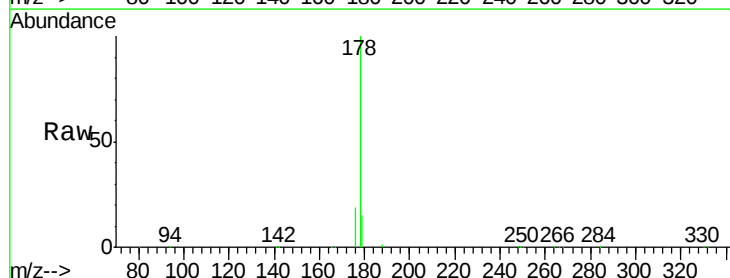
Tgt Ion:178 Resp: 132991

Ion Ratio Lower Upper

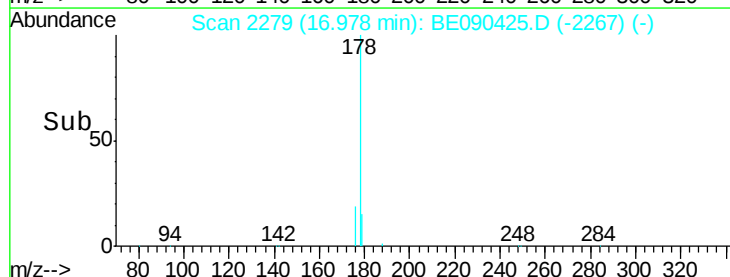
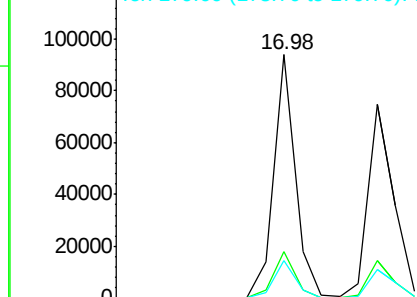
178 100

176 19.1 15.4 23.2

179 15.3 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 3.68 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

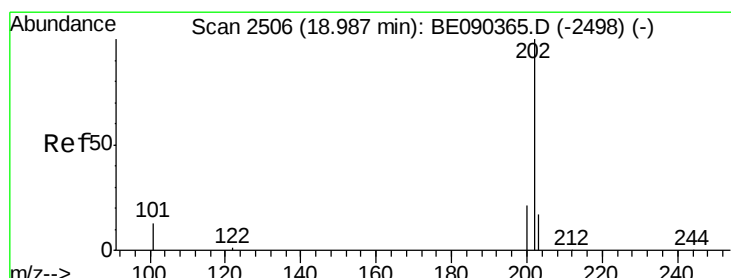
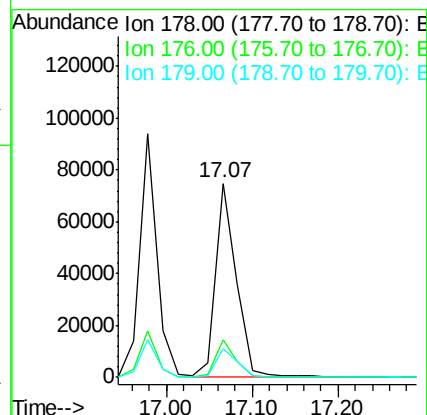
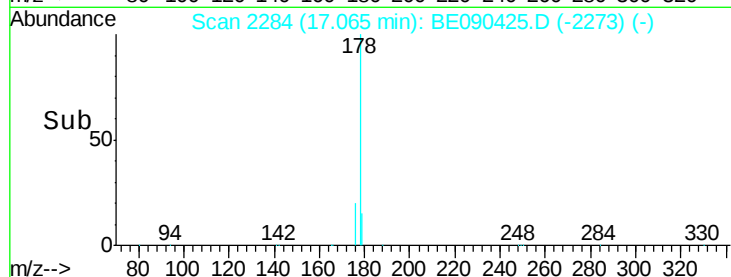
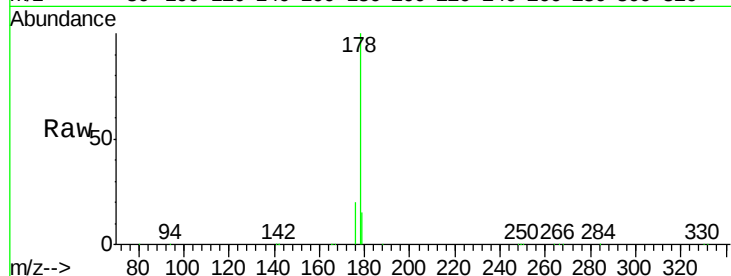
Tgt Ion:178 Resp: 125883

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.5 12.2 18.4



#24

Fluoranthene

Concen: 3.77 ng

RT: 18.98 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

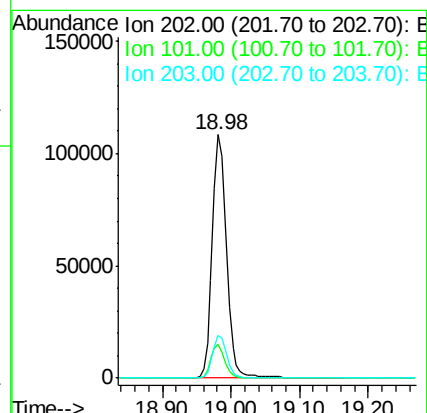
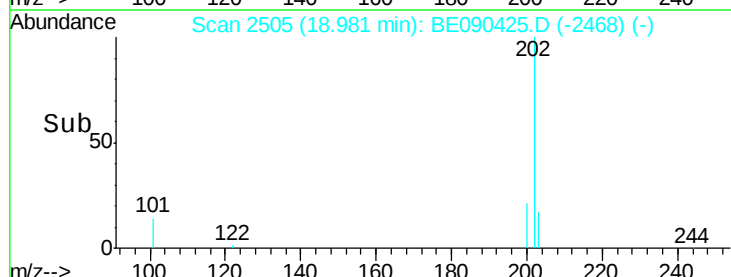
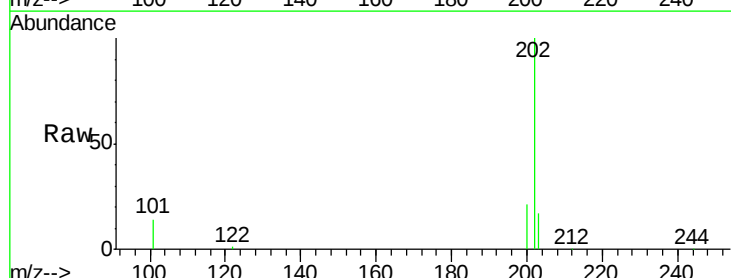
Tgt Ion:202 Resp: 154482

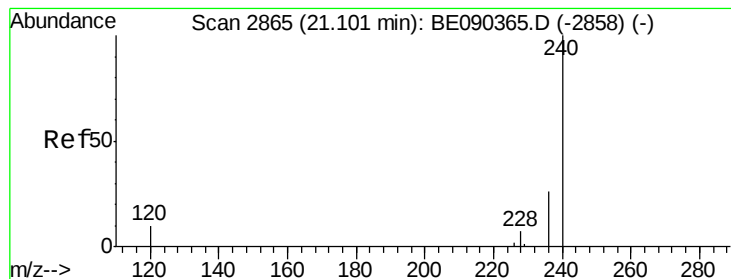
Ion Ratio Lower Upper

202 100

101 13.4 10.3 15.5

203 17.3 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

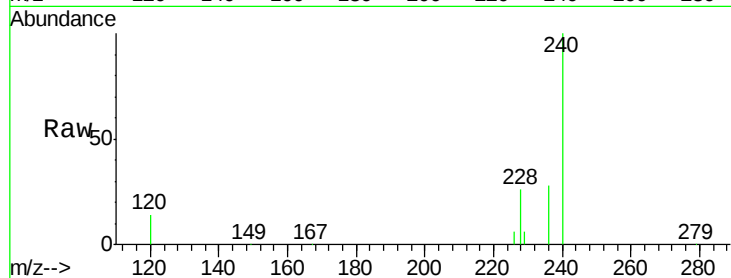
Tgt Ion:240 Resp: 198409

Ion Ratio Lower Upper

240 100

120 14.0 8.3 12.5#

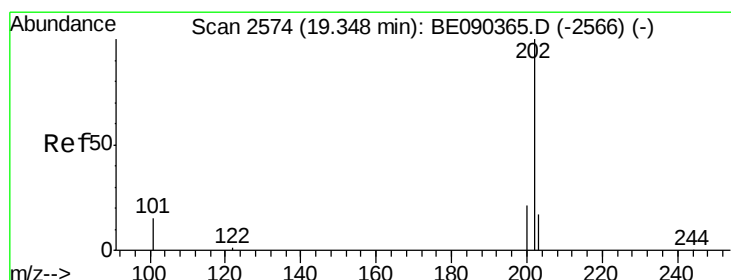
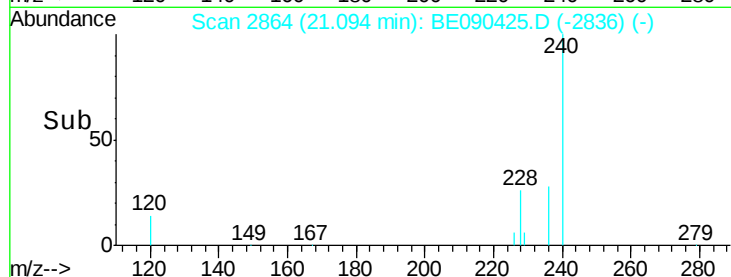
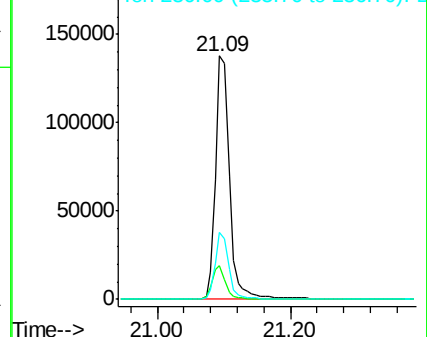
236 27.7 21.0 31.4



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

Pyrene

Concen: 3.86 ng

RT: 19.34 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

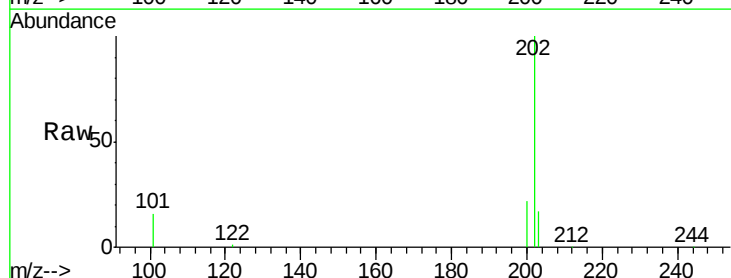
Tgt Ion:202 Resp: 166129

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

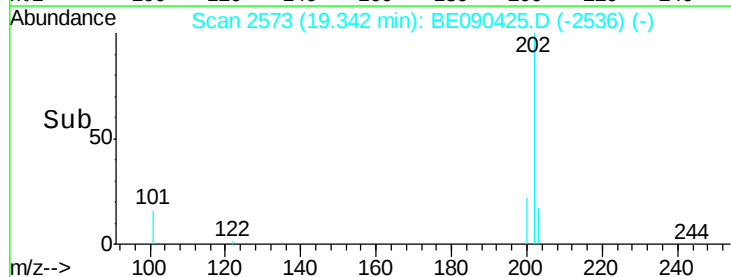
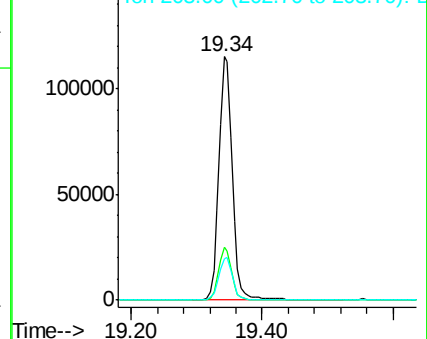
203 18.0 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

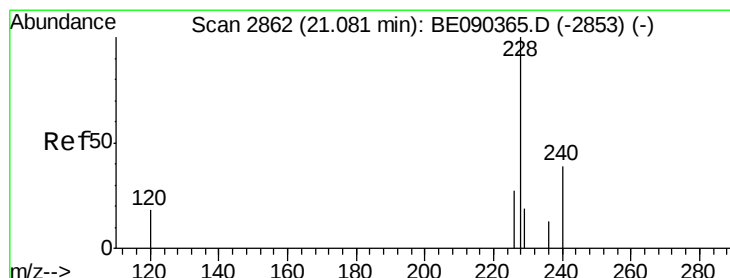
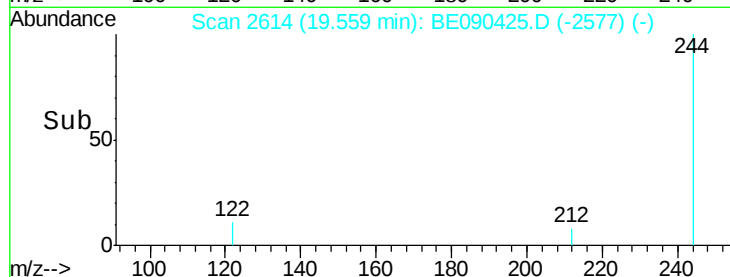
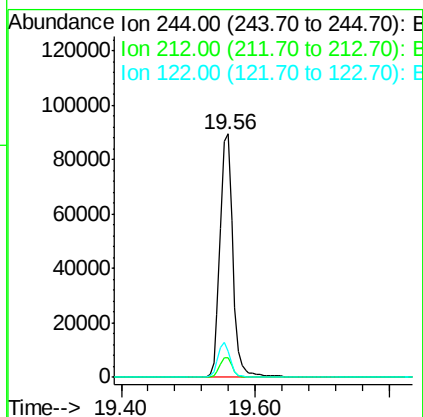
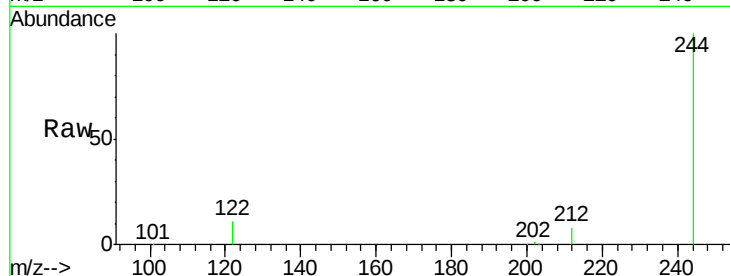




#27
 Terphenyl-d14
 Concen: 4.03 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090425.D
 Acq: 11 Aug 2015 5:49

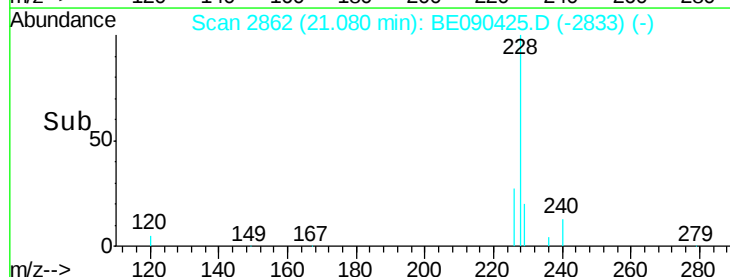
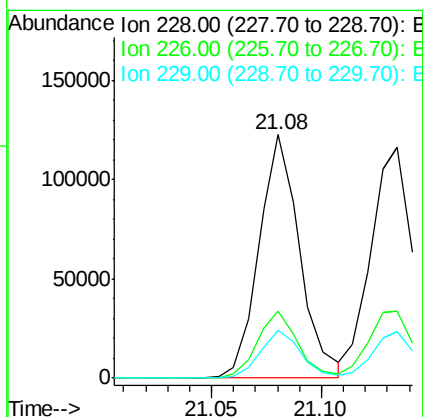
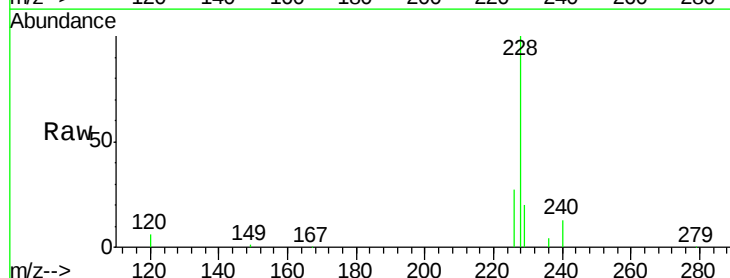
Instrument :
 BNA_E
 ClientSampleId :
 PB84906BSD

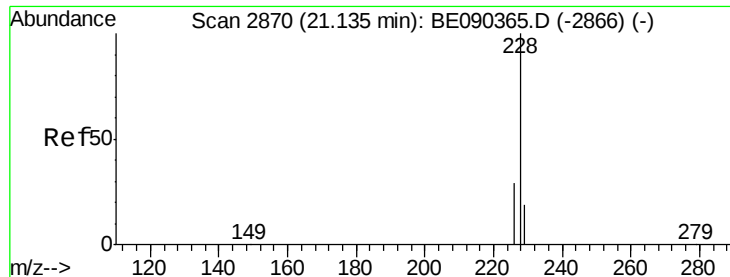
Tgt Ion:244 Resp: 117819
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.6 9.8
 122 10.7 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 3.59 ng
 RT: 21.08 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BE090425.D
 Acq: 11 Aug 2015 5:49

Tgt Ion:228 Resp: 158043
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.9 32.9
 229 19.7 15.4 23.0





#29

Chrysene

Concen: 3.16 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

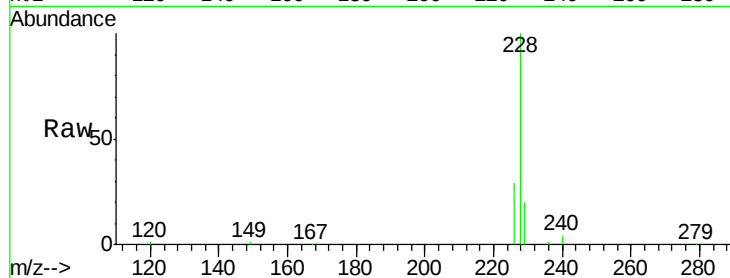
Tgt Ion:228 Resp: 167910

Ion Ratio Lower Upper

228 100

226 28.9 23.1 34.7

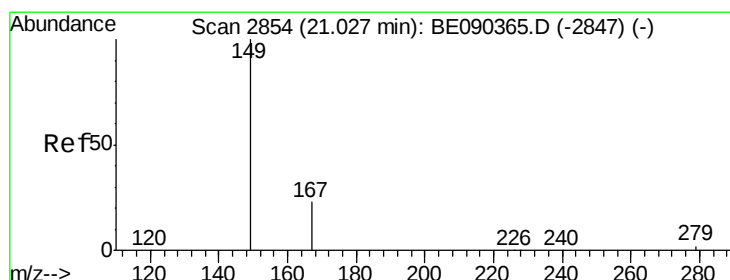
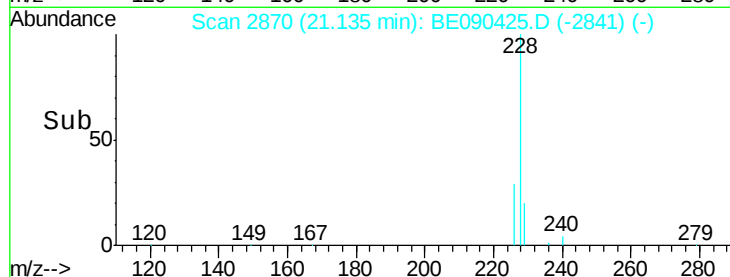
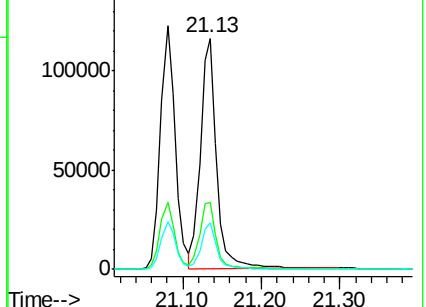
229 20.1 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 4.59 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

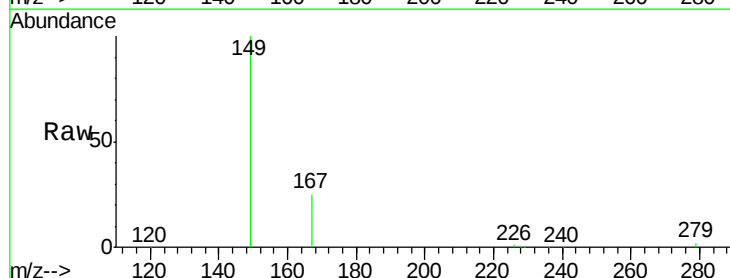
Tgt Ion:149 Resp: 70708

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

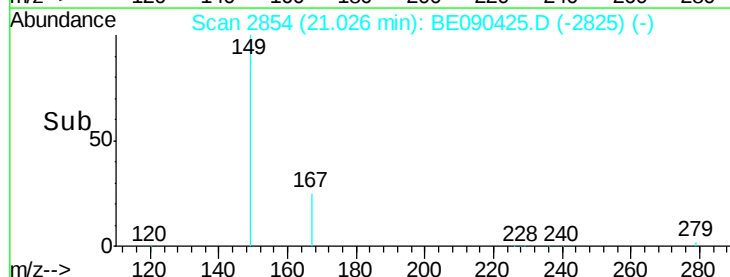
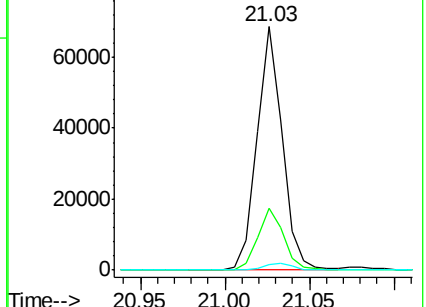
279 3.1 2.4 3.6



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: 3.12 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

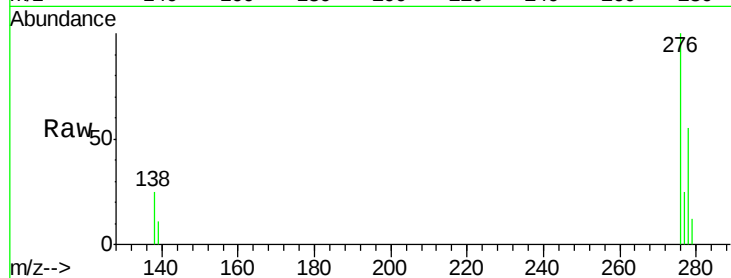
Tgt Ion:276 Resp: 144705

Ion Ratio Lower Upper

276 100

138 26.6 18.8 28.2

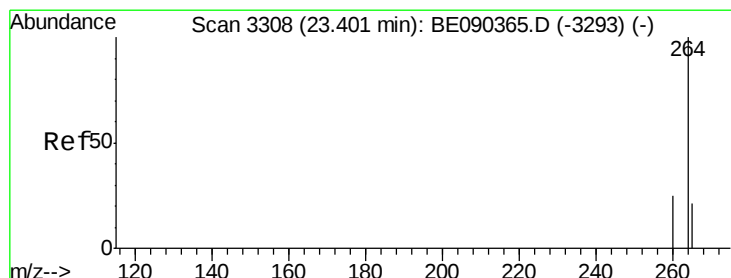
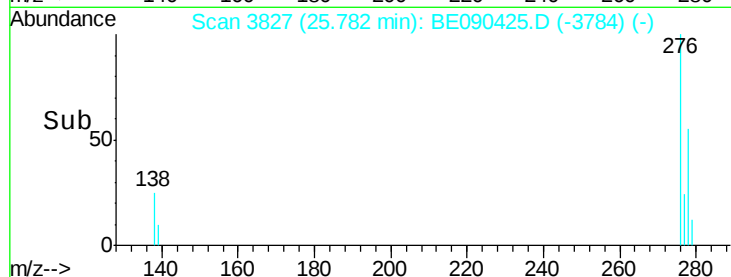
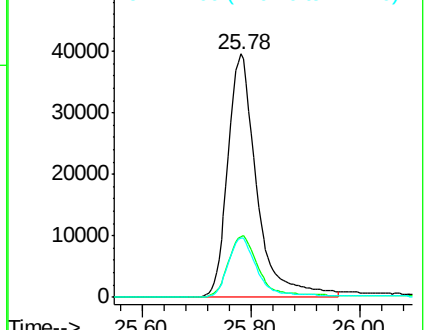
277 24.8 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

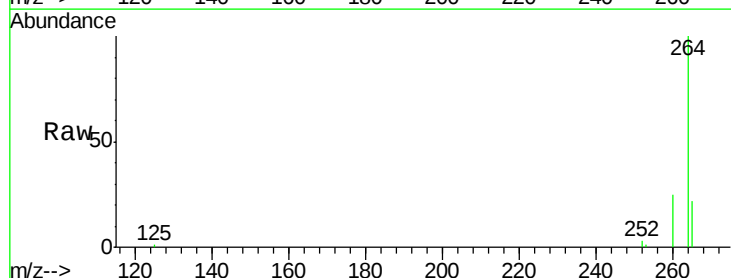
Tgt Ion:264 Resp: 177440

Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

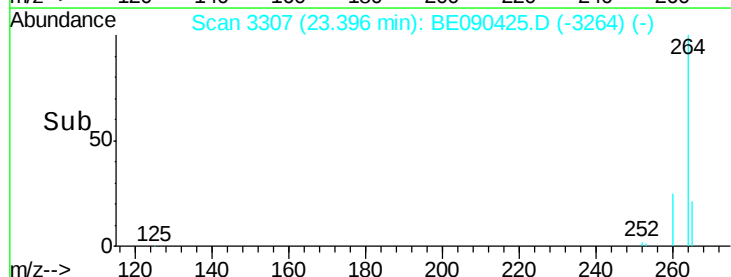
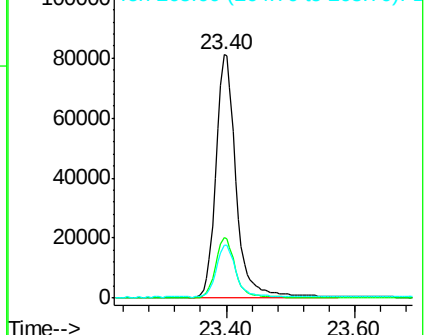
265 21.8 17.2 25.8

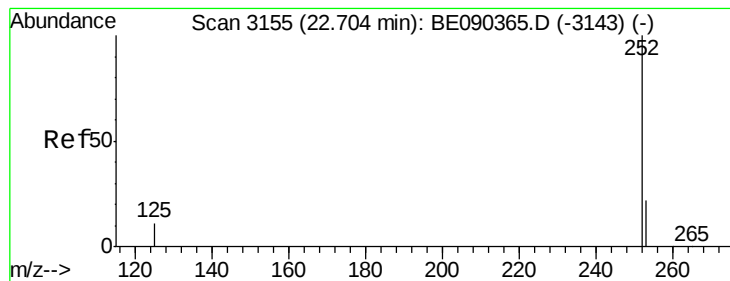


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 3.38 ng

RT: 22.70 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

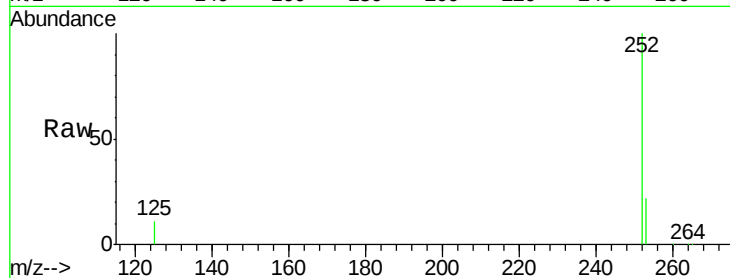
Tgt Ion:252 Resp: 132965

Ion Ratio Lower Upper

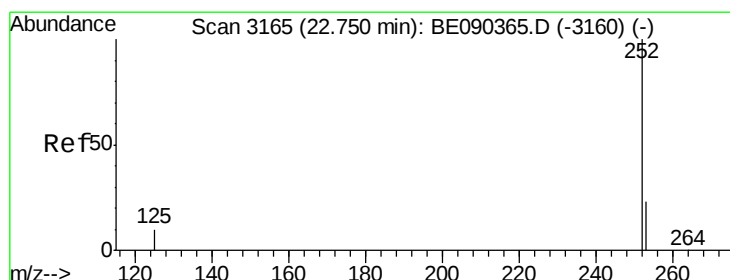
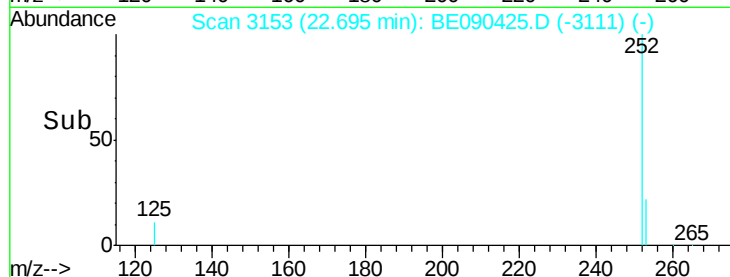
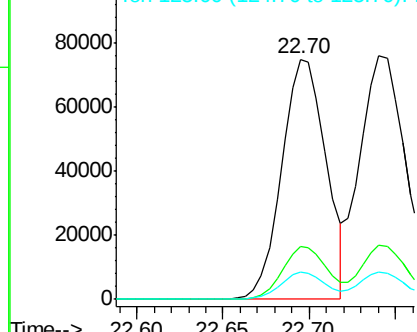
252 100

253 21.9 18.1 27.1

125 11.3 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



#34

Benzo(k)fluoranthene

Concen: 3.12 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

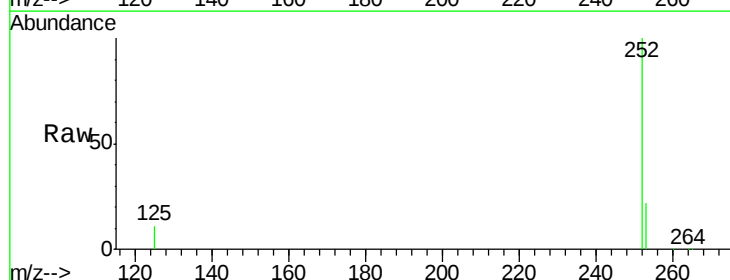
Tgt Ion:252 Resp: 154389

Ion Ratio Lower Upper

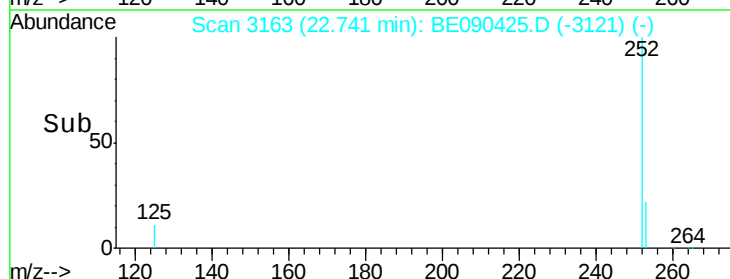
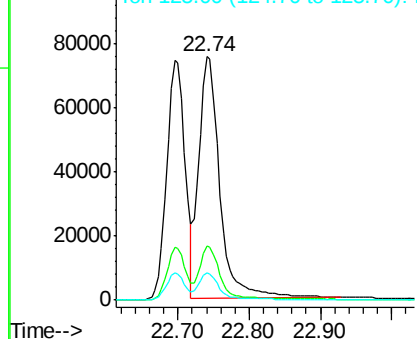
252 100

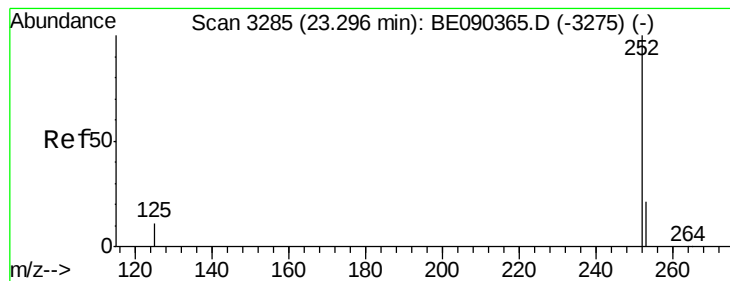
253 22.1 18.1 27.1

125 11.3 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: 3.39 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD

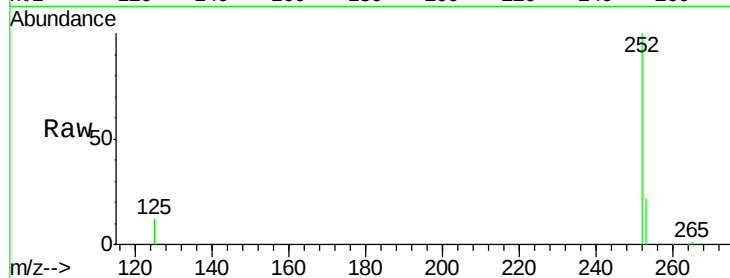
Tgt Ion: 252 Resp: 125652

Ion Ratio Lower Upper

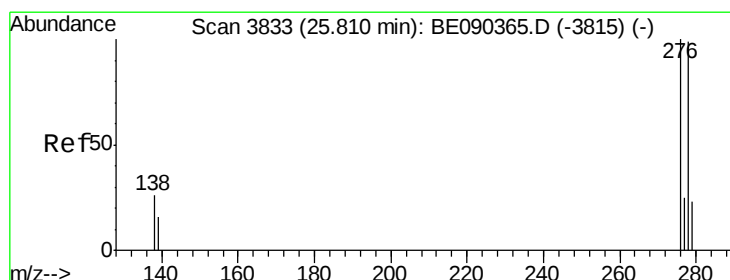
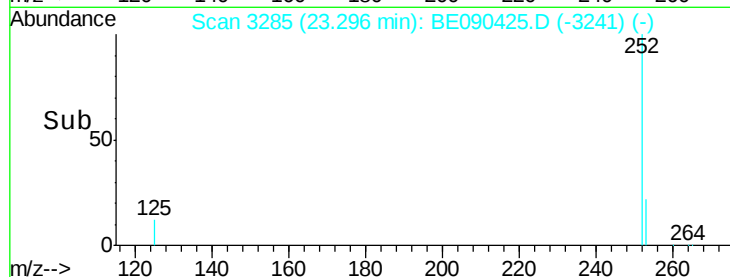
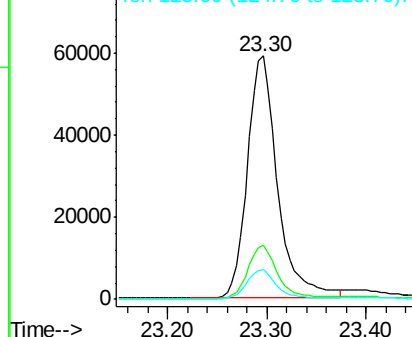
252 100

253 22.3 17.6 26.4

125 12.1 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: 3.21 ng

RT: 25.80 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BE090425.D

Acq: 11 Aug 2015 5:49

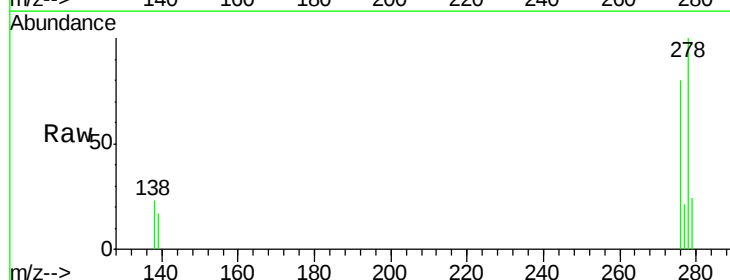
Tgt Ion: 278 Resp: 115147

Ion Ratio Lower Upper

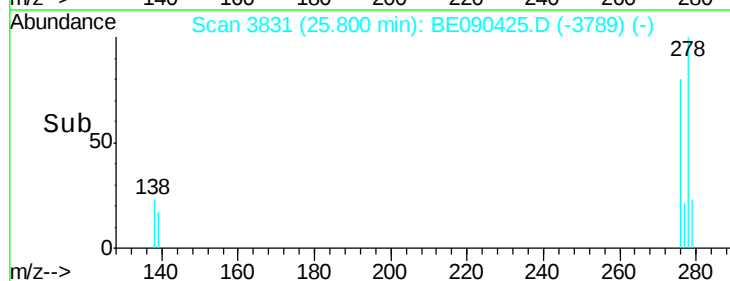
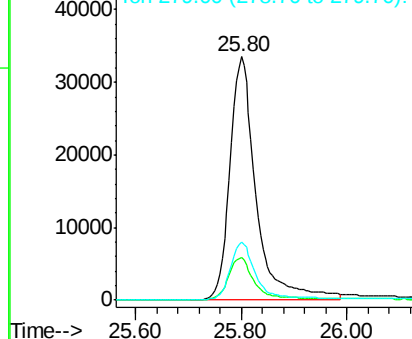
278 100

139 17.4 14.2 21.4

279 23.6 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: 3.89 ng

RT: 26.51 min Scan# 3987

Delta R.T. -0.01 min

Lab File: BE090425.D

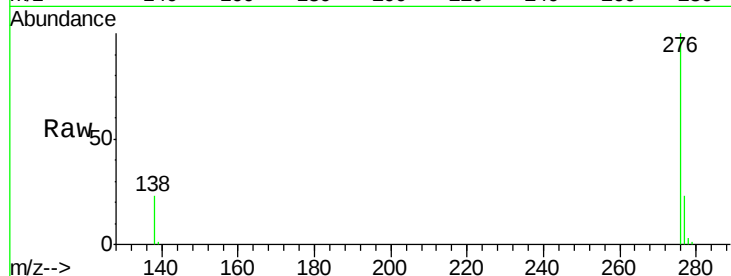
Acq: 11 Aug 2015 5:49

Instrument :

BNA_E

ClientSampleId :

PB84906BSD



Tgt Ion: 276 Resp: 127502

Ion Ratio Lower Upper

276 100

277 23.1 20.1 30.1

138 22.9 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

