

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
 Data File : BE090378.D
 Acq On : 6 Aug 2015 6:08
 Operator : TP/UM
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 06 08:30:41 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 02:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	20267	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	89646	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	49696	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	115390	5.00	ng	0.00
25) Chrysene-d12	21.10	240	139861	5.00	ng	0.00
32) Perylene-d12	23.40	264	121181	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	3122	1.06	ng	0.00
5) Phenol-d6	6.77	99	4844	0.96	ng	0.00
7) Nitrobenzene-d5	8.73	82	5669	0.95	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	838	1.02	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	14388	1.05	ng	0.00
27) Terphenyl-d14	19.56	244	21118	1.02	ng	0.00

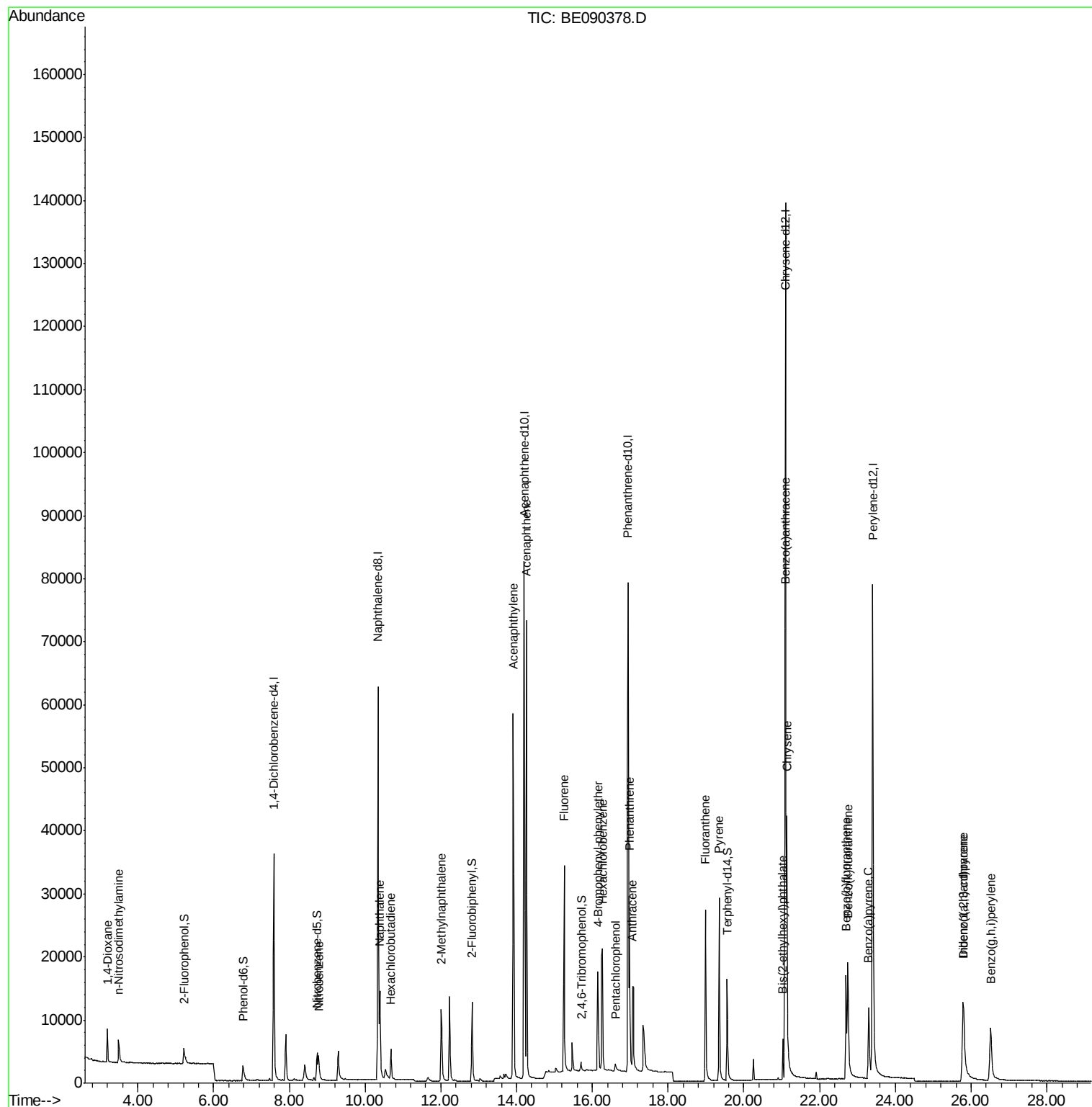
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.20	88	2912	1.11	ng	96
3) n-Nitrosodimethylamine	3.49	42	3137	1.00	ng	# 96
8) Nitrobenzene	8.78	77	5646	0.90	ng	100
9) Naphthalene	10.39	128	19830	1.00	ng	98
10) Hexachlorobutadiene	10.69	225	3489	1.11	ng	100
11) 2-Methylnaphthalene	12.01	142	11706	1.02	ng	97
15) Acenaphthylene	13.91	152	82512	1.03	ng	100
16) Acenaphthene	14.26	154	12600	1.01	ng	96
17) Fluorene	15.26	166	16653	1.02	ng	98
19) 4-Bromophenyl-phenylether	16.14	248	4707	1.05	ng	96
20) Hexachlorobenzene	16.27	284	23713	1.02	ng	100
21) Pentachlorophenol	16.61	266	1025	1.28	ng	97
22) Phenanthrene	16.98	178	29495	1.02	ng	99
23) Anthracene	17.07	178	24049	1.01	ng	99
24) Fluoranthene	18.99	202	29408	1.03	ng	100
26) Pyrene	19.35	202	30816	1.02	ng	100
28) Benzo(a)anthracene	21.08	228	30759	0.99	ng	99
29) Chrysene	21.13	228	36380	0.97	ng	99
30) Bis(2-ethylhexyl)phthalate	21.03	149	6270	0.90	ng	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	23767	0.92	ng	98
33) Benzo(b)fluoranthene	22.70	252	23774	1.03	ng	98
34) Benzo(k)fluoranthene	22.75	252	32502	0.98	ng	99
35) Benzo(a)pyrene	23.30	252	20617	0.99	ng	98
36) Dibenzo(a,h)anthracene	25.81	278	17891	0.95	ng	98
37) Benzo(g,h,i)perylene	26.52	276	22421	1.01	ng	98

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

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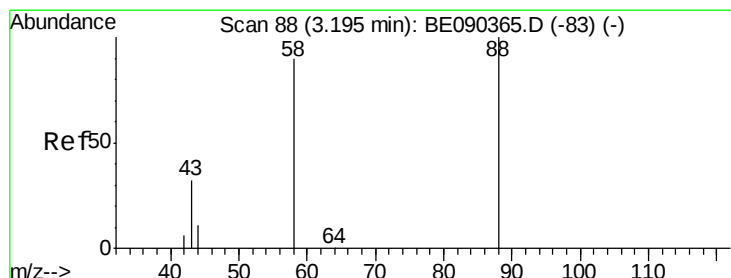
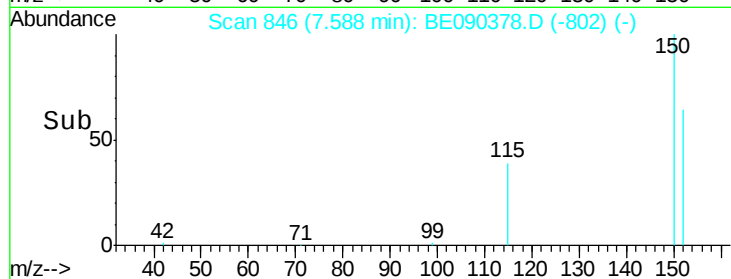
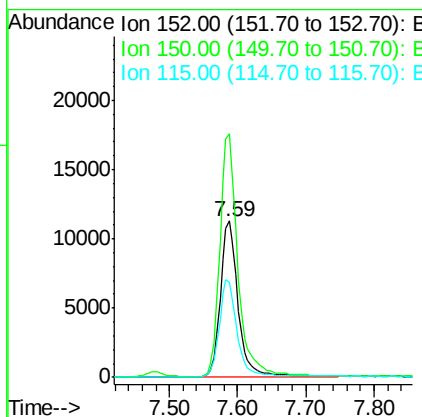
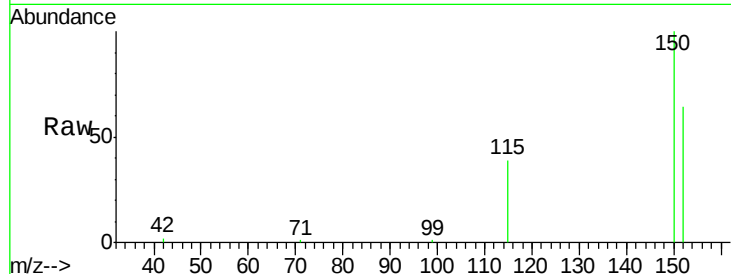




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.59 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BE090378.D
 Acq: 6 Aug 2015 6:08

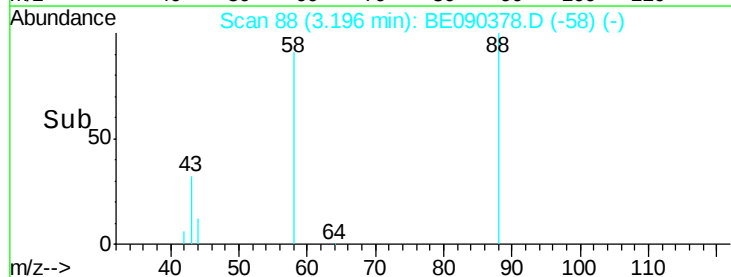
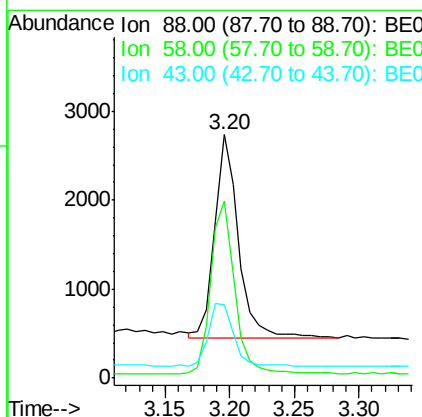
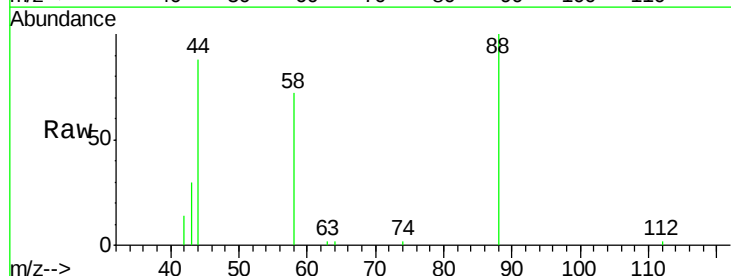
Instrument :
 BNA_E
 ClientSampled :

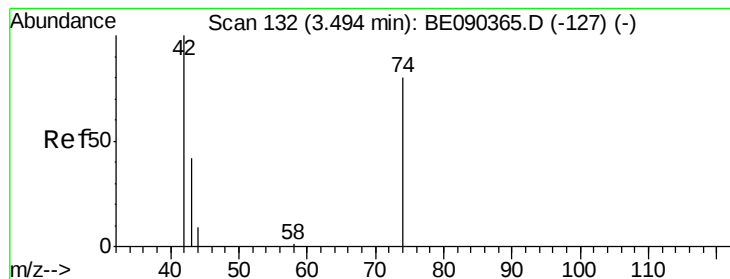
Tot Ion:152 Resp: 20267
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.0 184.4
 115 60.9 48.9 73.3



#2
 1,4-Dioxane
 Concen: 1.11 ng
 RT: 3.20 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: BE090378.D
 Acq: 6 Aug 2015 6:08

Tgt Ion: 88 Resp: 2912
 Ion Ratio Lower Upper
 88 100
 58 84.8 70.0 105.0
 43 32.5 28.4 42.6





#3

n-Nitrosodimethylamine

Concen: 1.00 ng

RT: 3.49 min Scan# 132

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

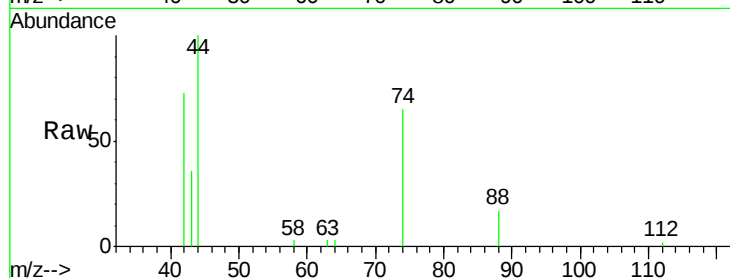
Tot Ion: 42 Resp: 3137

Ion Ratio Lower Upper

42 100

74 96.0 75.2 112.8

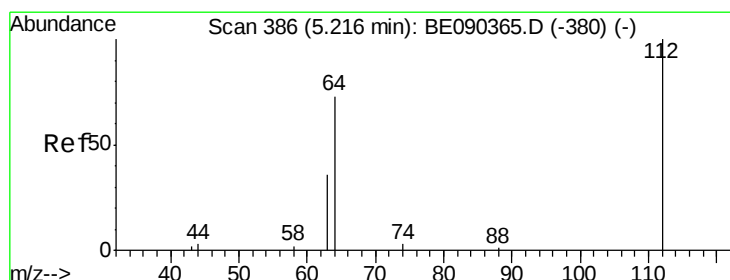
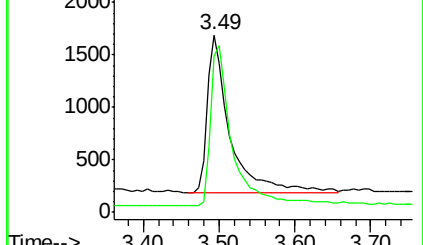
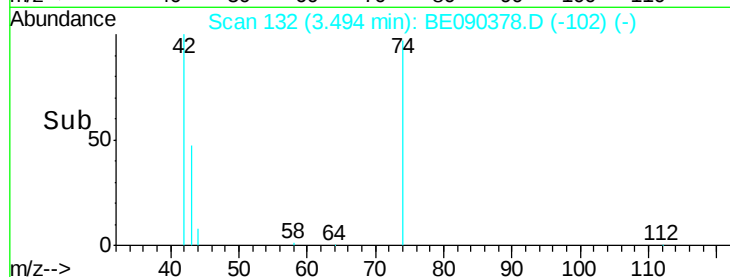
44 4.2 8.7 13.1#



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: 1.06 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

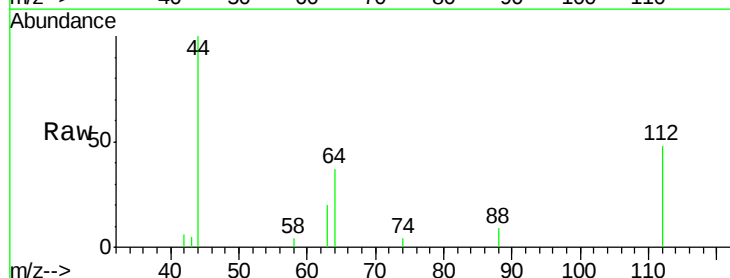
Tgt Ion: 112 Resp: 3122

Ion Ratio Lower Upper

112 100

64 47.9 37.1 55.7

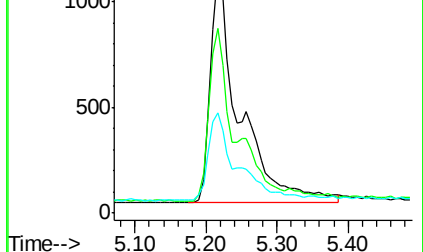
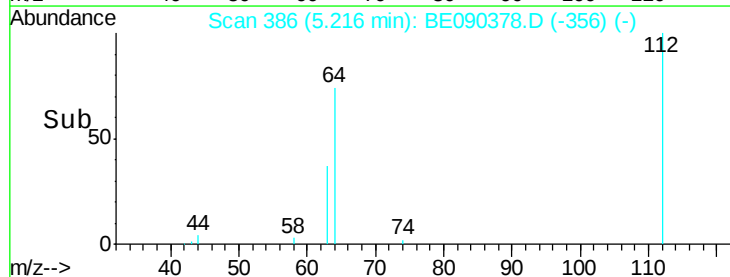
63 37.0 19.5 29.3#

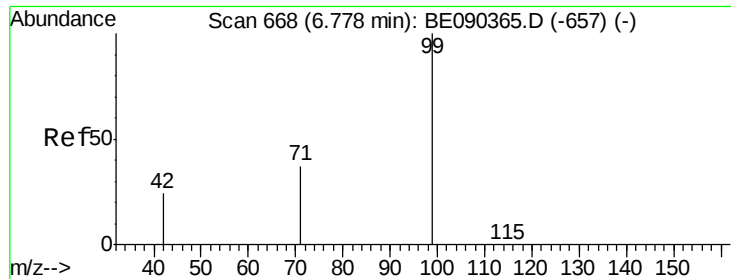


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.96 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampled :

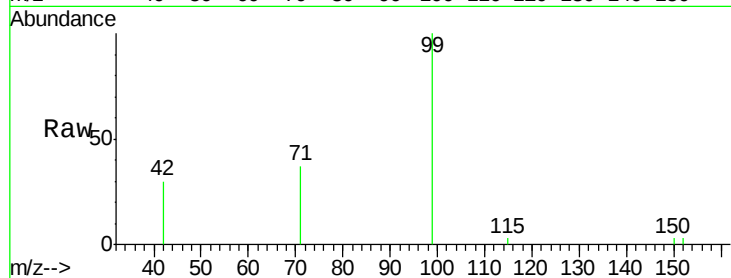
Tot Ion: 99 Resp: 4844

Ion Ratio Lower Upper

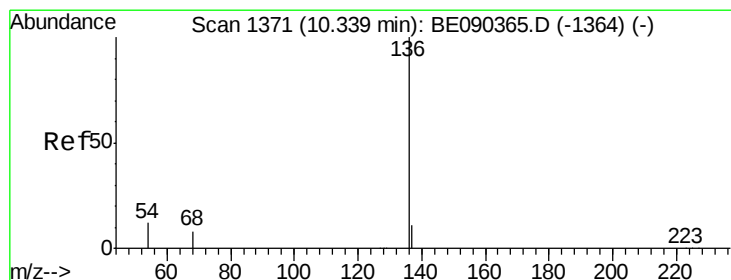
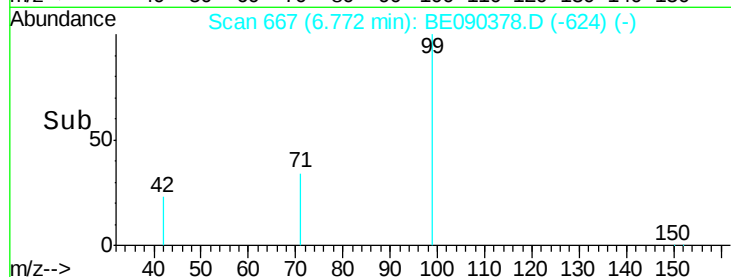
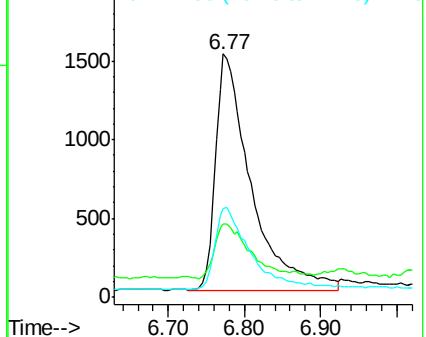
99 100

42 24.5 18.2 27.4

71 35.4 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: BE090378.D

Acq: 6 Aug 2015 6:08

Tgt Ion: 136 Resp: 89646

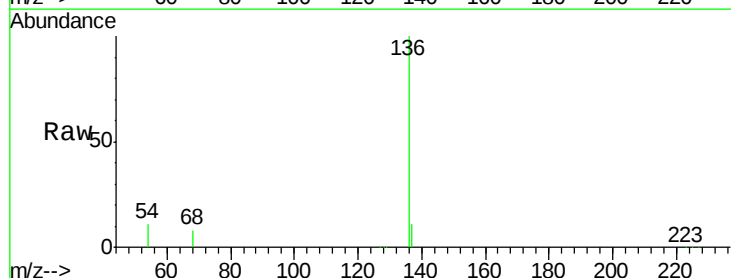
Ion Ratio Lower Upper

136 100

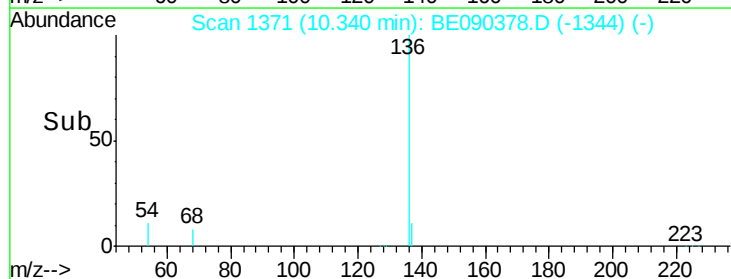
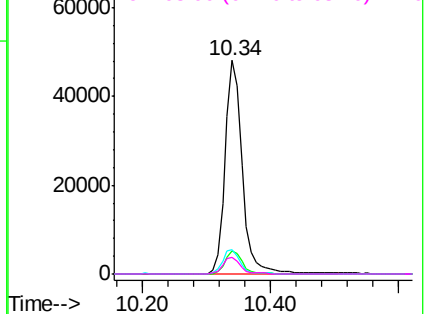
137 10.8 8.7 13.1

54 11.2 9.4 14.0

68 8.0 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: 0.95 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampled :

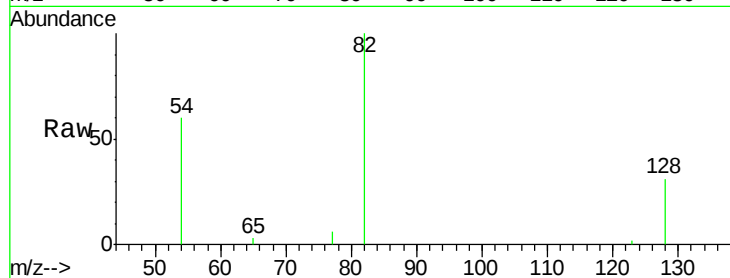
Tot Ion: 82 Resp: 5669

Ion Ratio Lower Upper

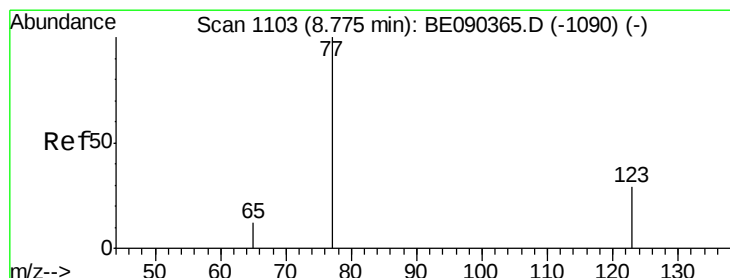
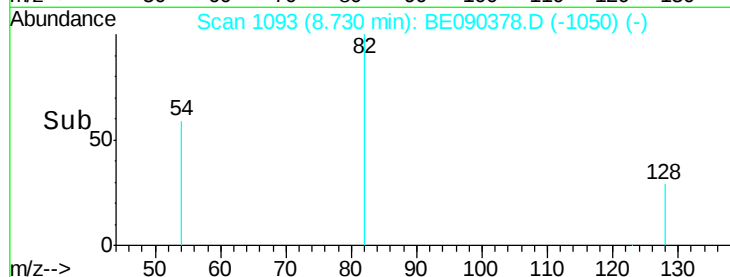
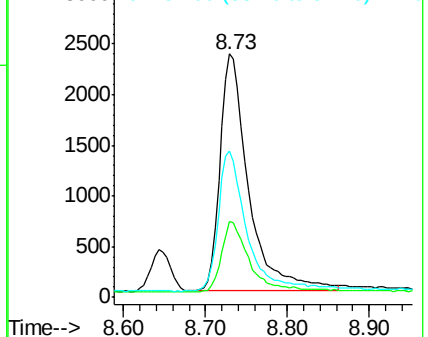
82 100

128 31.0 25.0 37.6

54 60.3 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: 0.90 ng

RT: 8.78 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

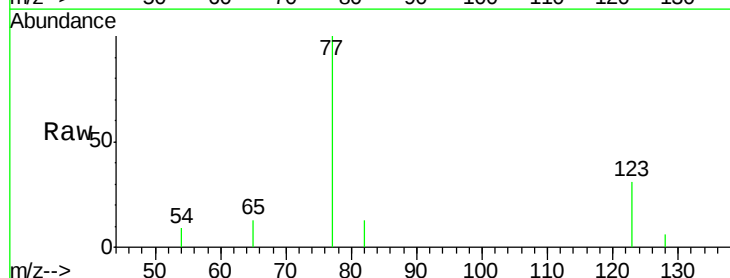
Tgt Ion: 77 Resp: 5646

Ion Ratio Lower Upper

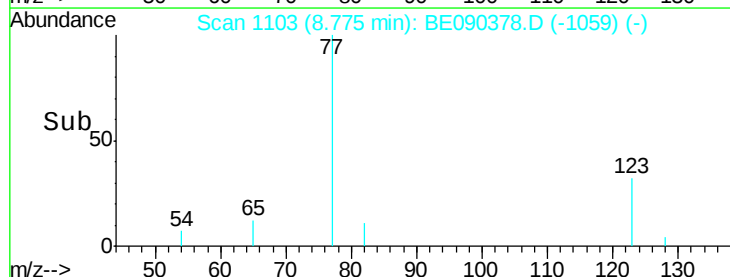
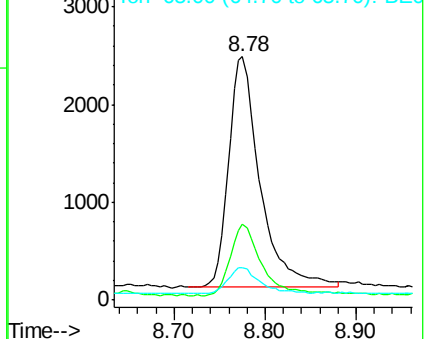
77 100

123 31.1 25.1 37.7

65 11.7 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: 1.00 ng

RT: 10.39 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

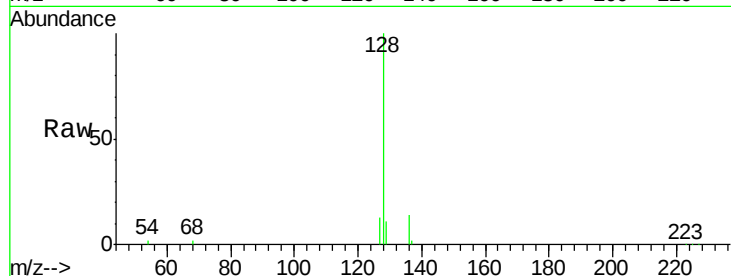
Tot Ion:128 Resp: 19830

Ion Ratio Lower Upper

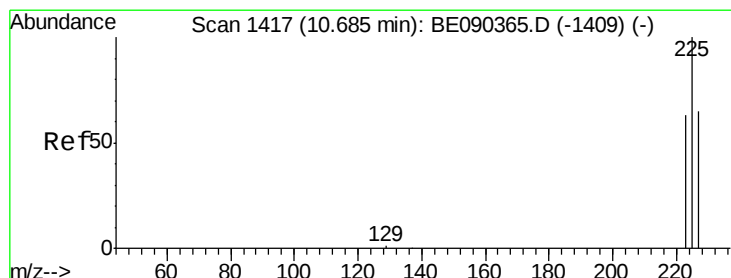
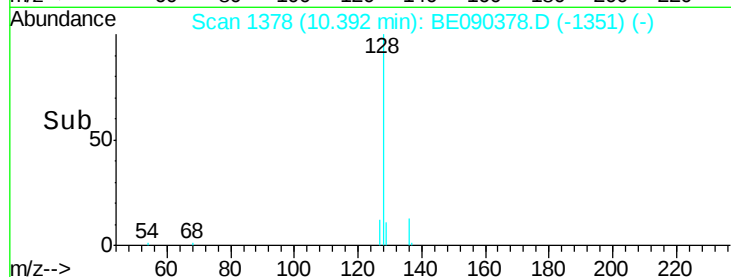
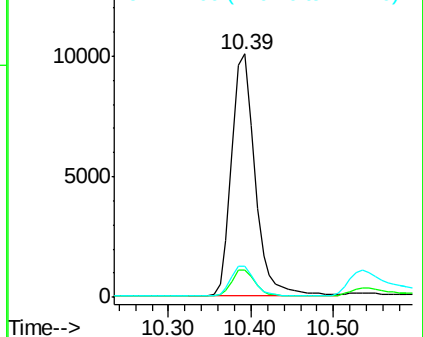
128 100

129 11.3 9.8 14.6

127 12.7 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: 1.11 ng

RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

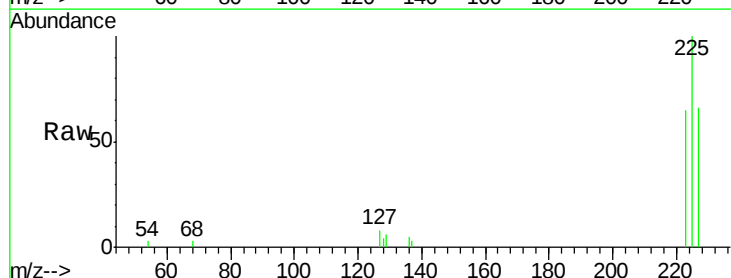
Tgt Ion:225 Resp: 3489

Ion Ratio Lower Upper

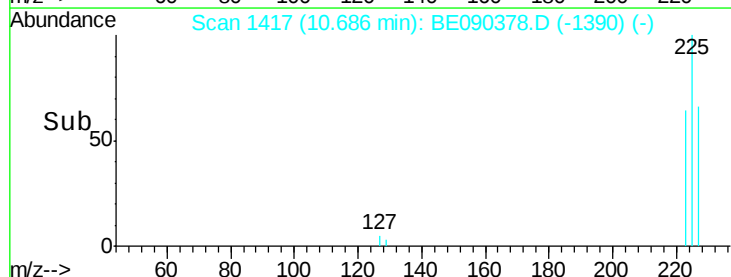
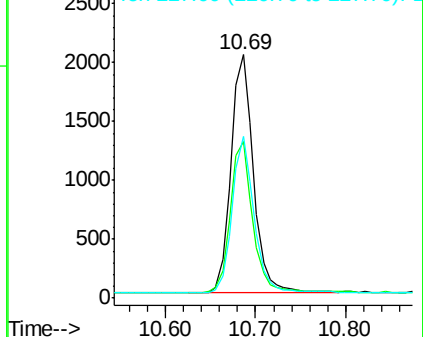
225 100

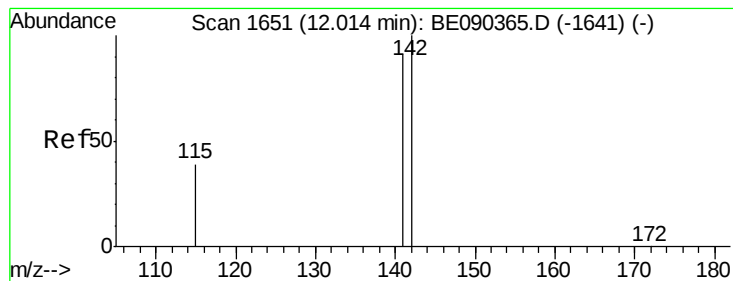
223 62.9 50.6 75.8

227 63.7 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: 1.02 ng

RT: 12.01 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

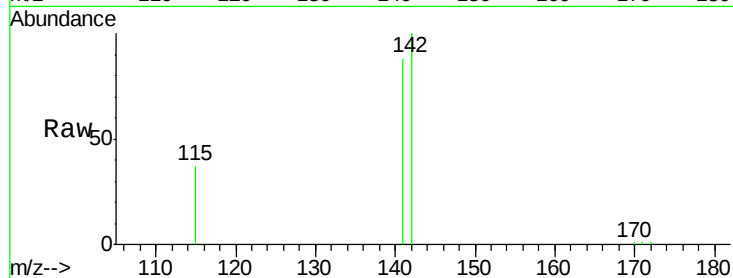
Tot Ion:142 Resp: 11706

Ion Ratio Lower Upper

142 100

141 87.9 72.6 109.0

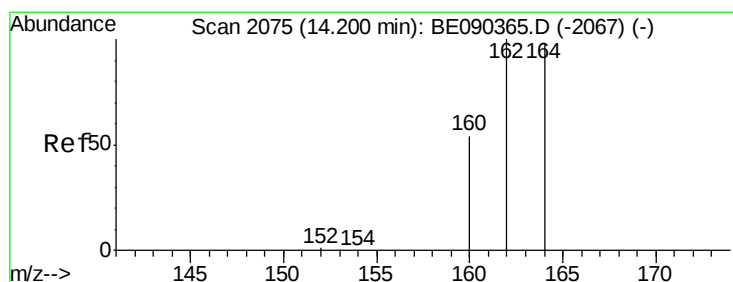
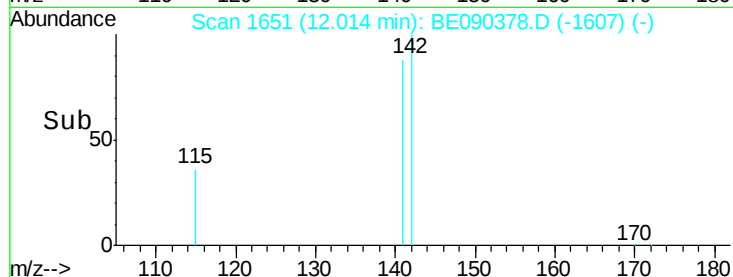
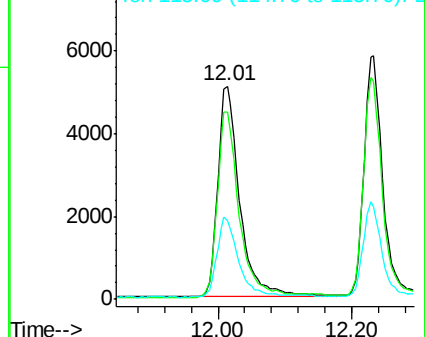
115 36.8 31.6 47.4



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: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

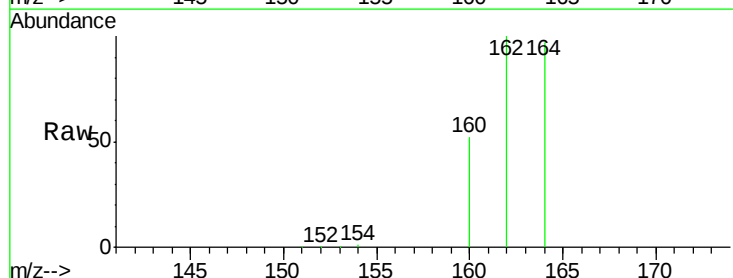
Tgt Ion:164 Resp: 49696

Ion Ratio Lower Upper

164 100

162 103.6 81.8 122.8

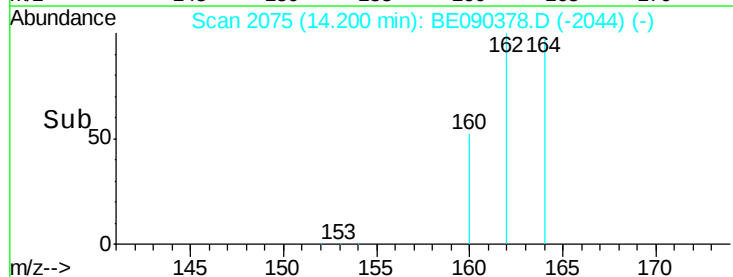
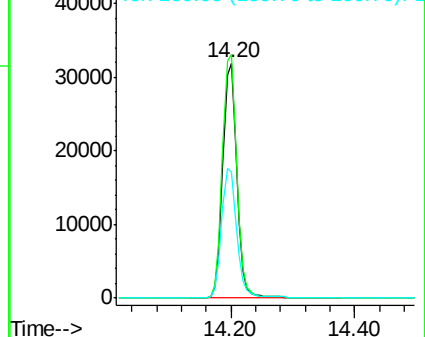
160 53.4 44.2 66.4



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

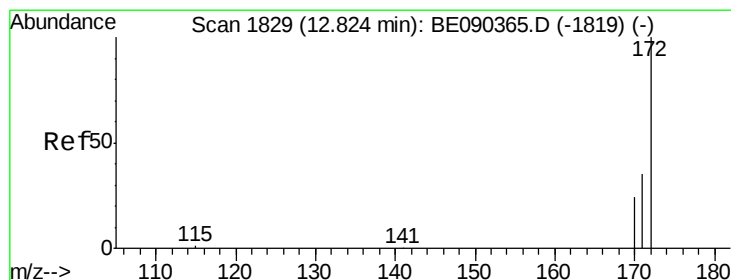
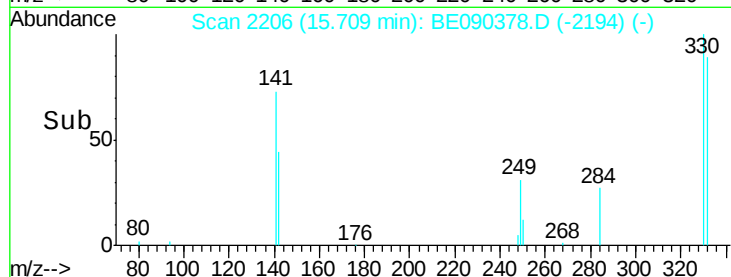
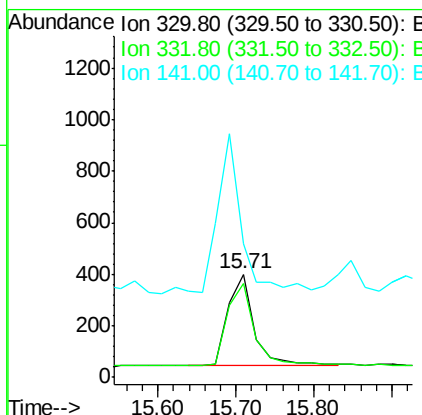
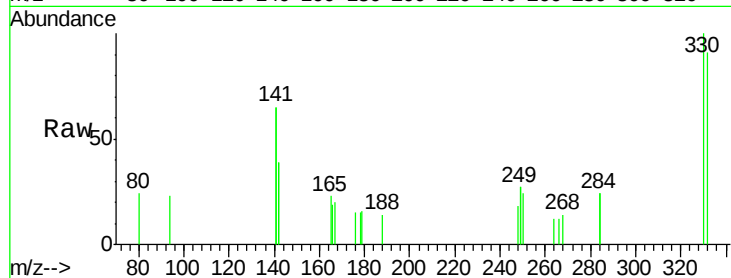




#13
 2,4,6-Tribromophenol
 Concen: 1.02 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090378.D
 Acq: 6 Aug 2015 6:08

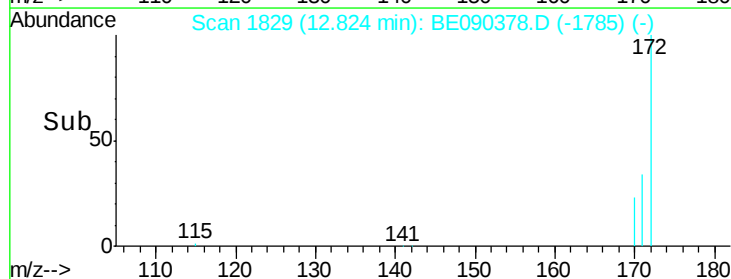
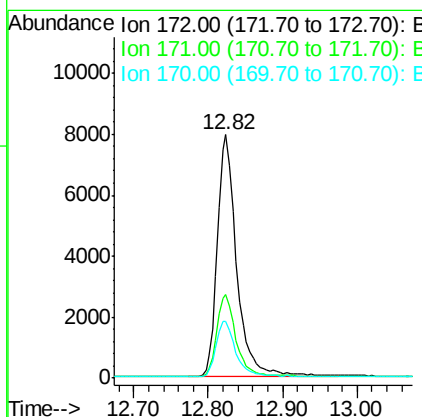
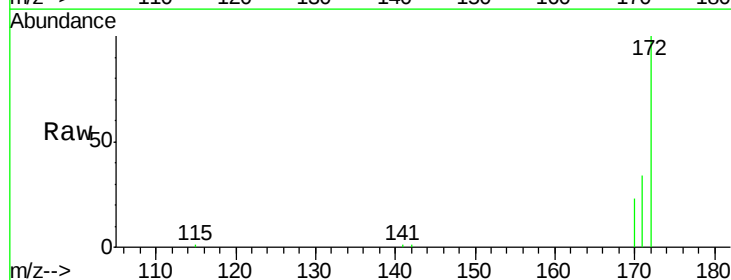
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 838
 Ion Ratio Lower Upper
 330 100
 332 91.5 75.8 113.6
 141 157.9 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 1.05 ng
 RT: 12.82 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE090378.D
 Acq: 6 Aug 2015 6:08

Tgt Ion:172 Resp: 14388
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.4 19.8 29.8





#15

Acenaphthylene

Concen: 1.03 ng

RT: 13.91 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

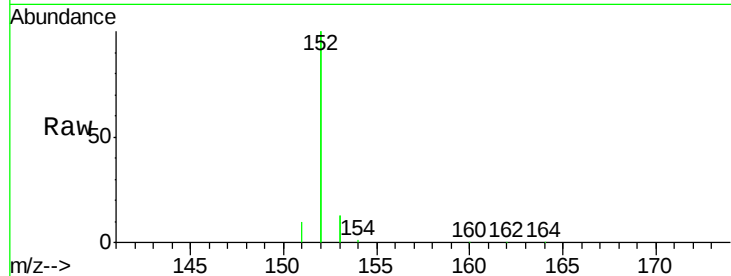
Tot Ion:152 Resp: 82512

Ion Ratio Lower Upper

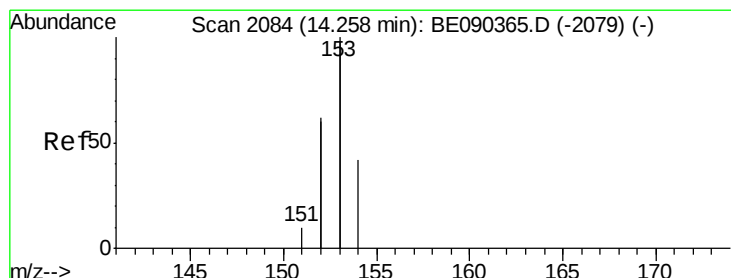
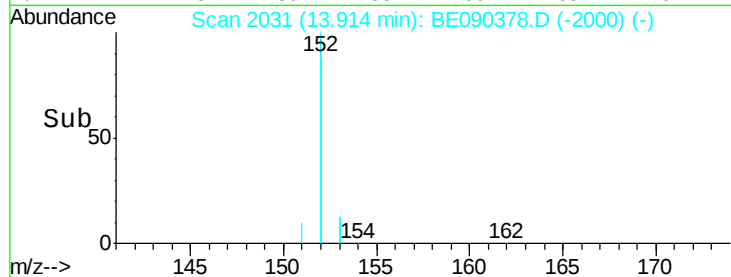
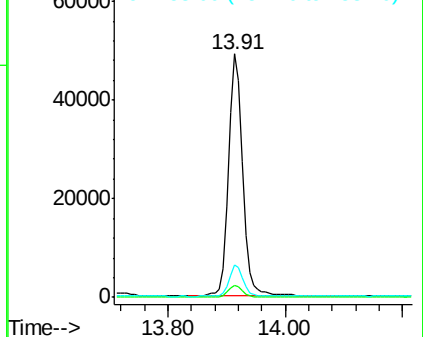
152 100

151 4.8 3.8 5.8

153 12.7 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 1.01 ng

RT: 14.26 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

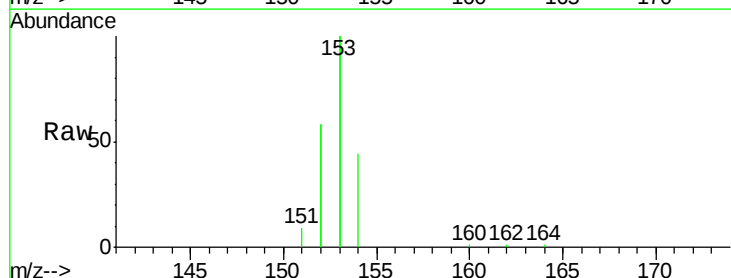
Tgt Ion:154 Resp: 12600

Ion Ratio Lower Upper

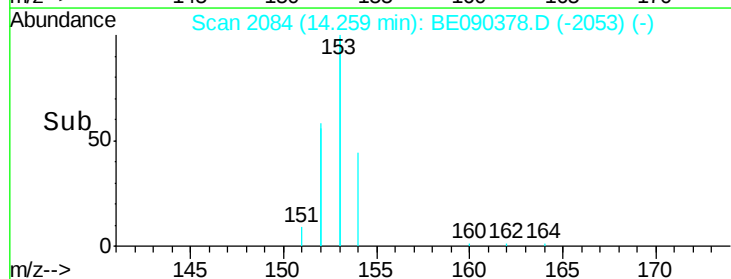
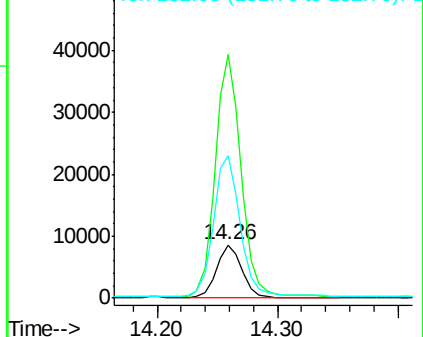
154 100

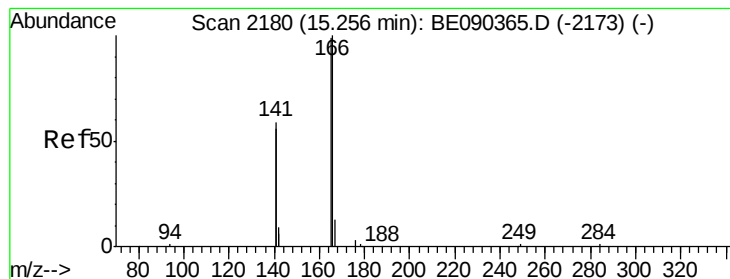
153 466.6 376.2 564.2

152 279.7 235.0 352.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 1.02 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

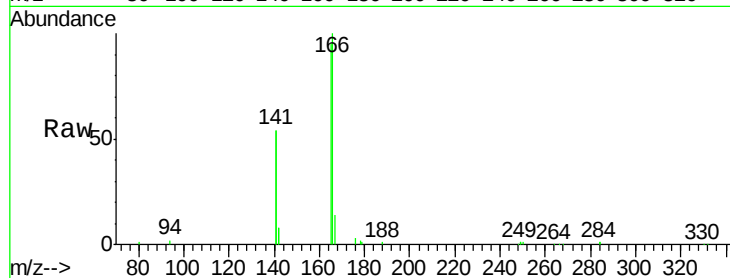
Tot Ion:166 Resp: 16653

Ion Ratio Lower Upper

166 100

165 99.1 81.5 122.3

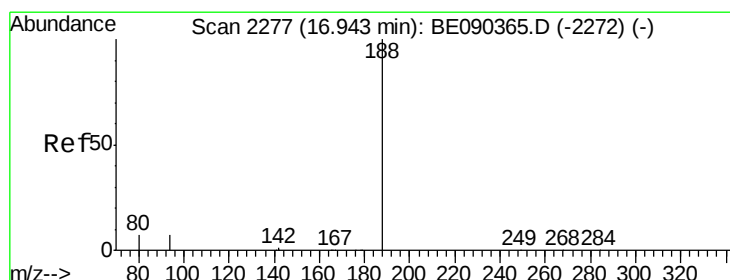
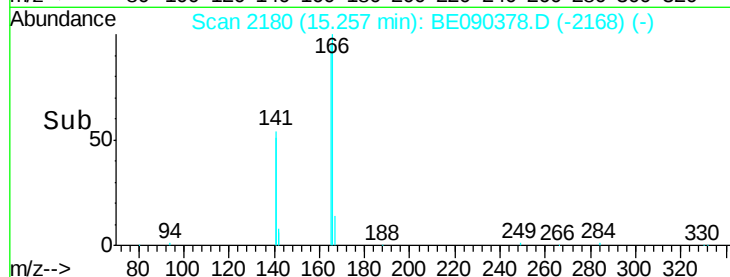
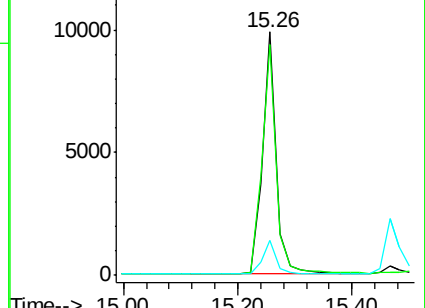
167 14.1 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

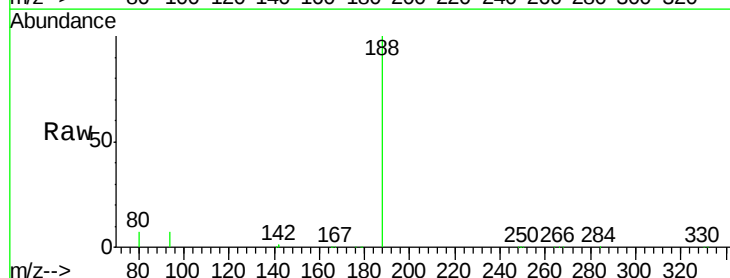
Tgt Ion:188 Resp: 115390

Ion Ratio Lower Upper

188 100

94 6.6 5.7 8.5

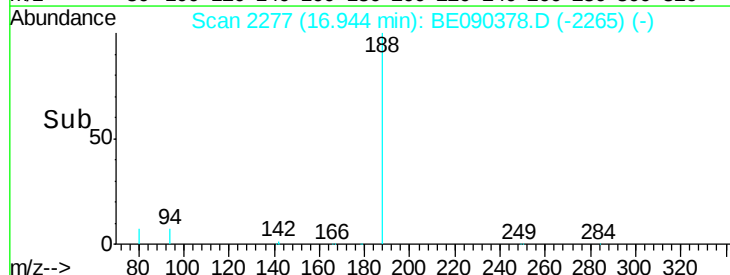
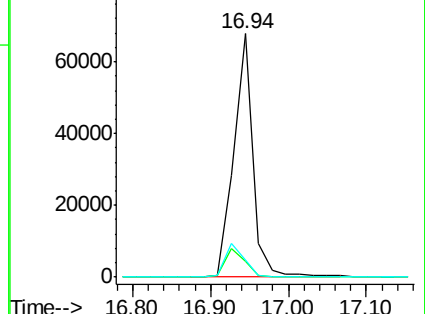
80 6.9 5.8 8.8



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

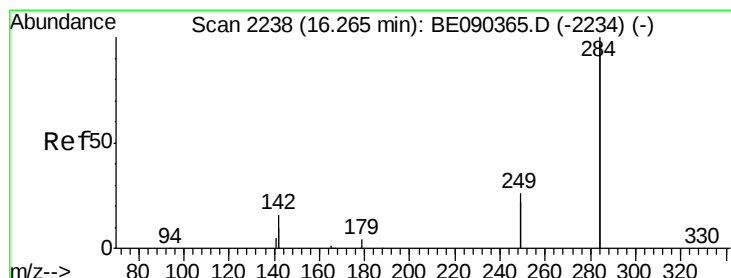
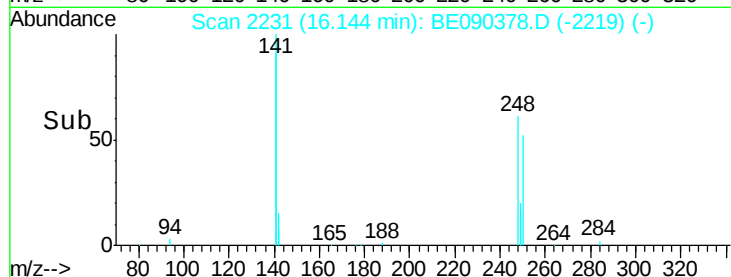
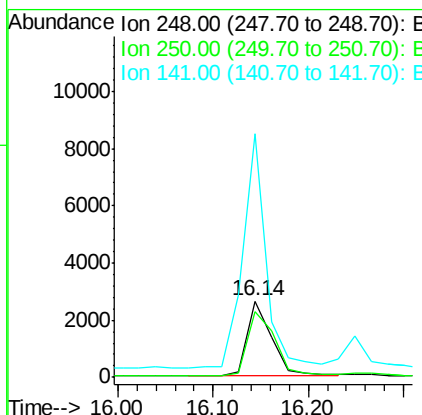
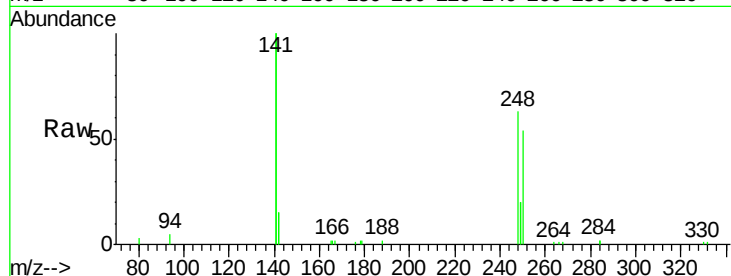




#19
4-Bromophenyl-phenylether
Concen: 1.05 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

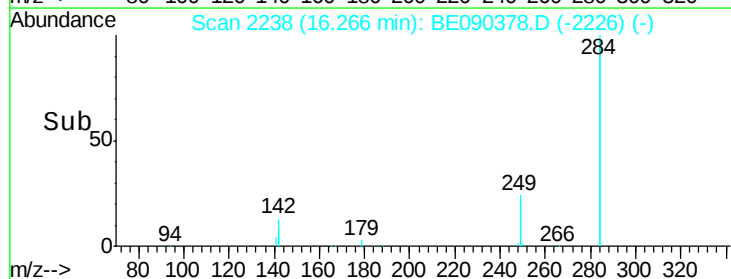
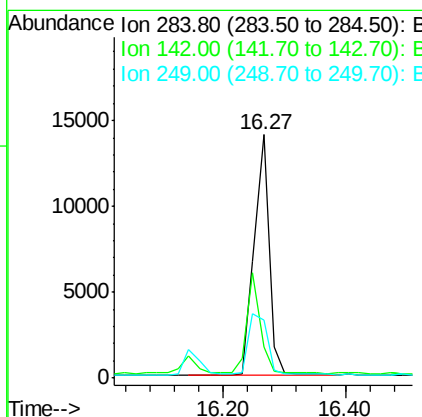
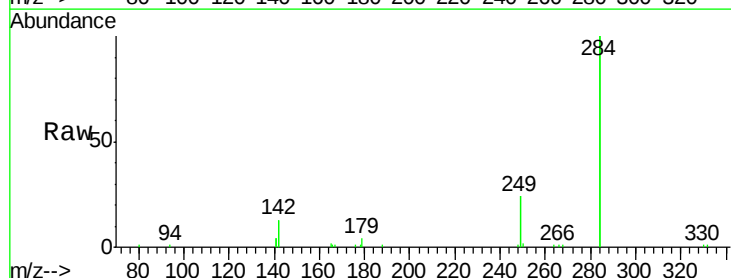
Instrument :
BNA_E
ClientSampleId :

Tot Ion:248 Resp: 4707
Ion Ratio Lower Upper
248 100
250 95.4 79.0 118.6
141 290.1 239.5 359.3



#20
Hexachlorobenzene
Concen: 1.02 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:284 Resp: 23713
Ion Ratio Lower Upper
284 100
142 37.5 30.1 45.1
249 31.6 25.7 38.5





#21

Pentachlorophenol

Concen: 1.28 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampled :

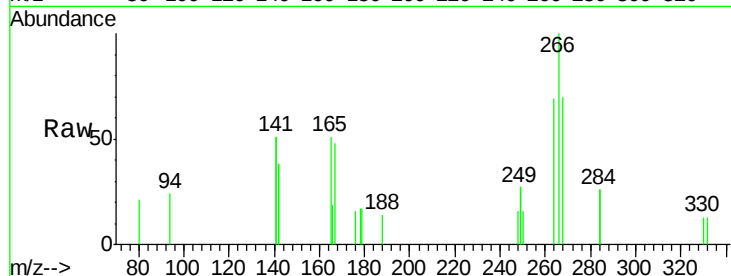
Tot Ion:266 Resp: 1025

Ion Ratio Lower Upper

266 100

268 69.5 58.5 87.7

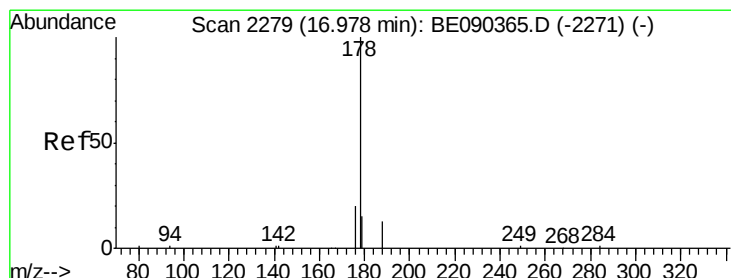
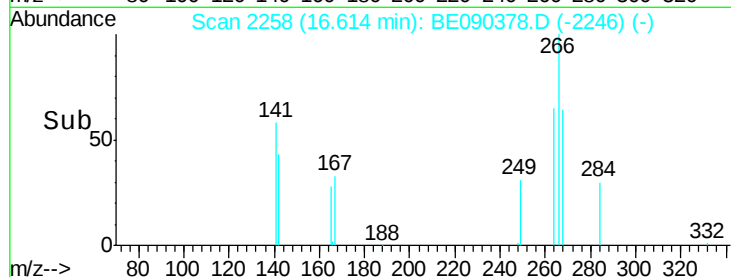
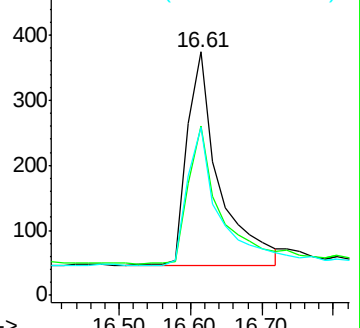
264 69.3 56.0 84.0



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: 1.02 ng

RT: 16.98 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

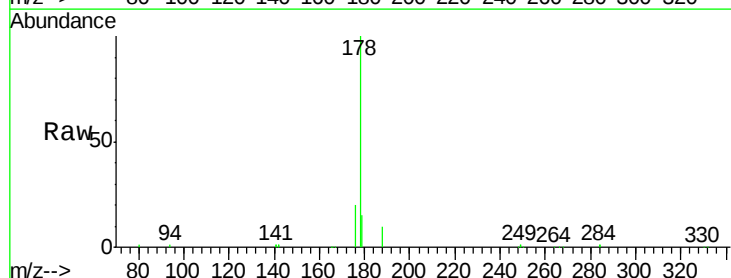
Tgt Ion:178 Resp: 29495

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

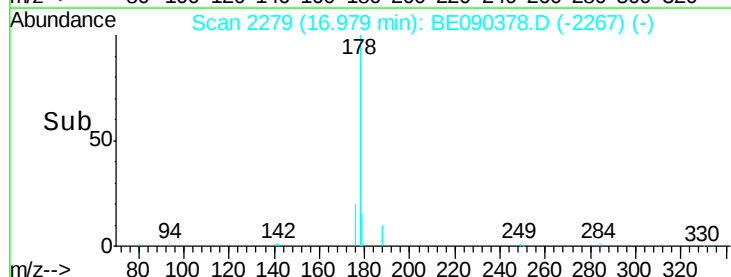
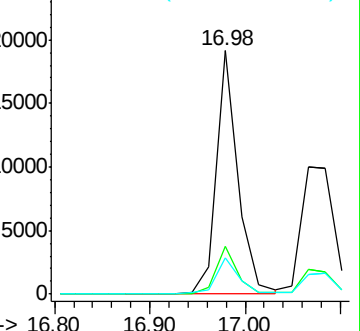
179 15.4 12.5 18.7



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: 1.01 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampled :

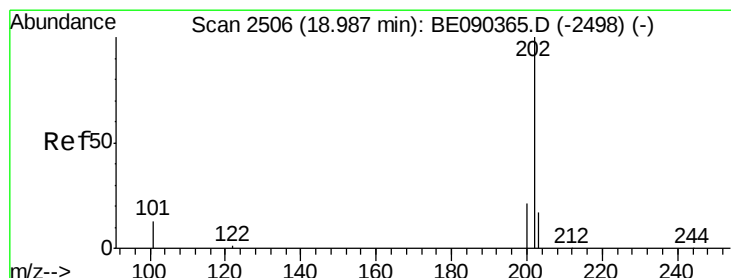
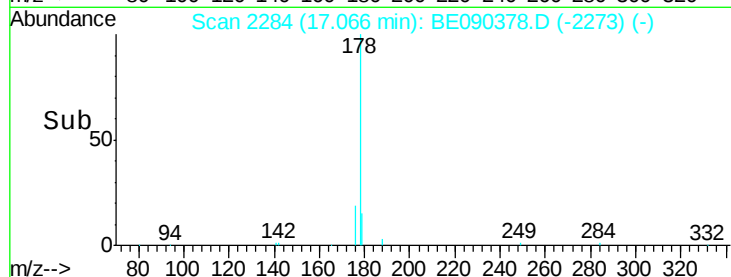
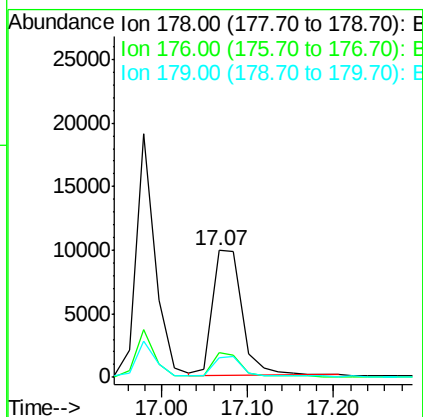
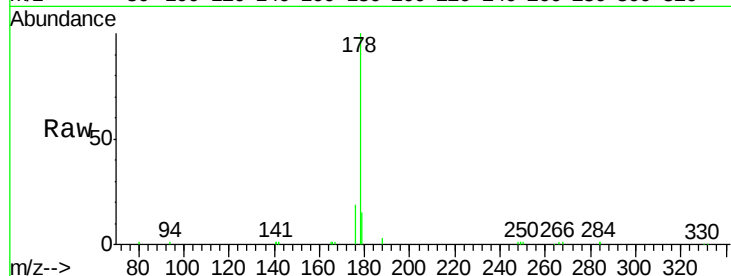
Tot Ion:178 Resp: 24049

Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

179 15.4 12.2 18.4



#24

Fluoranthene

Concen: 1.03 ng

RT: 18.99 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

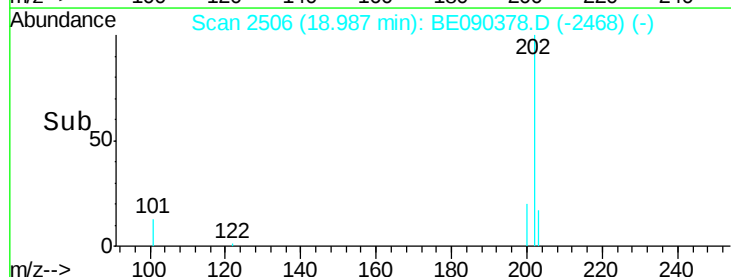
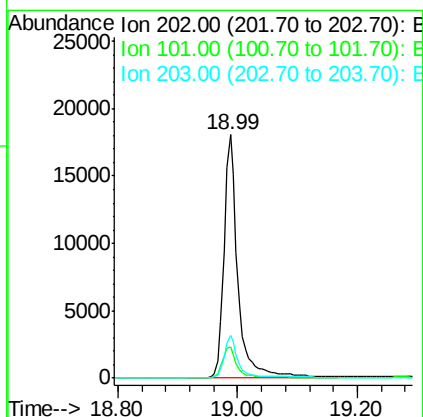
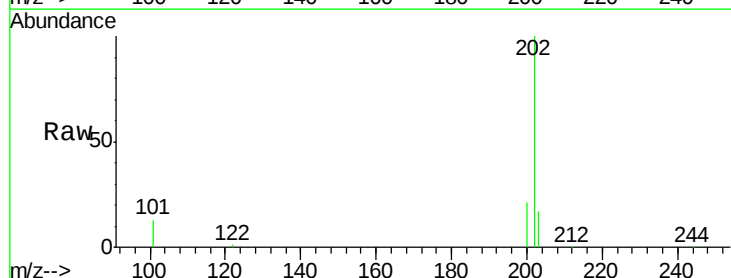
Tgt Ion:202 Resp: 29408

Ion Ratio Lower Upper

202 100

101 13.0 10.3 15.5

203 17.0 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: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

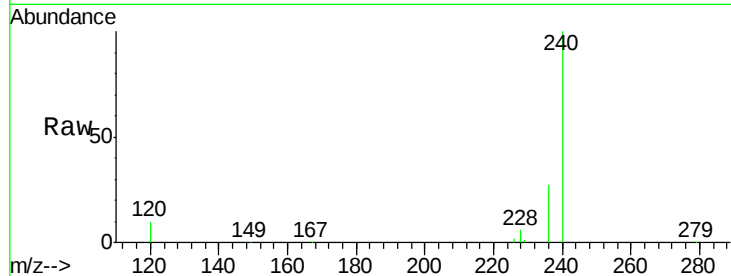
Tot Ion:240 Resp: 139861

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

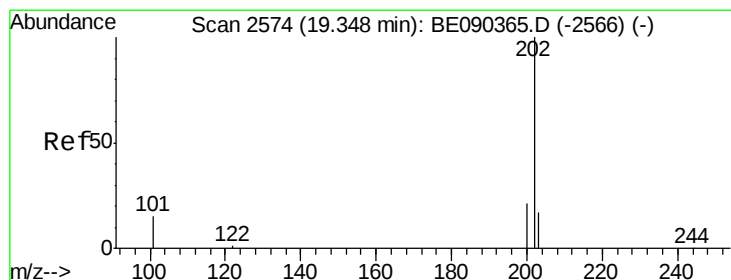
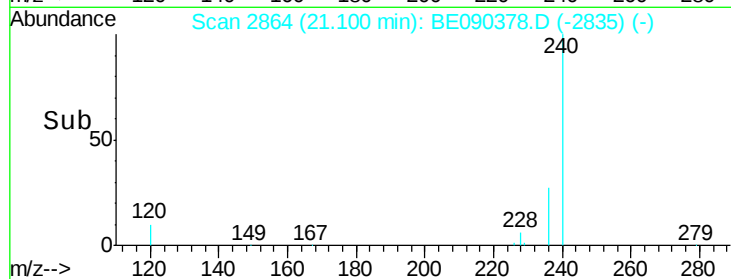
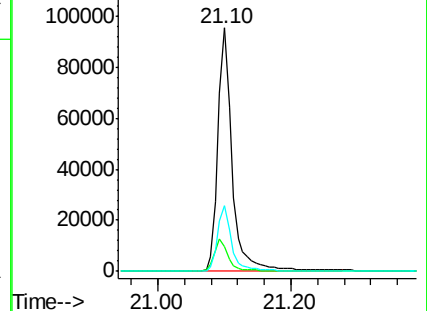
236 26.8 21.0 31.4



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: 1.02 ng

RT: 19.35 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

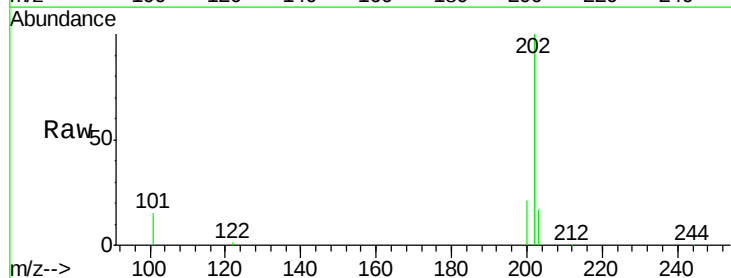
Tgt Ion:202 Resp: 30816

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

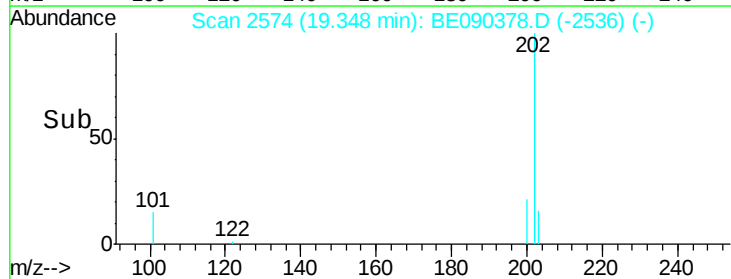
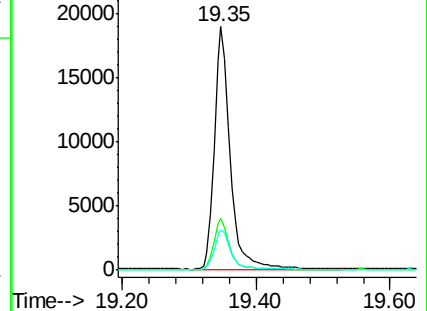
203 17.0 13.8 20.8



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: 1.02 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

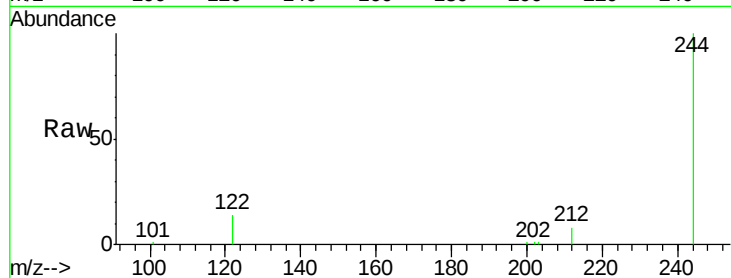
Tot Ion:244 Resp: 21118

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

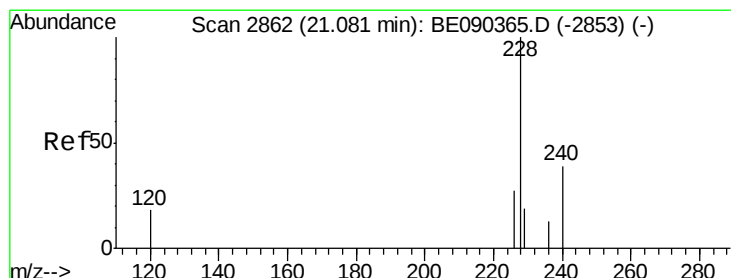
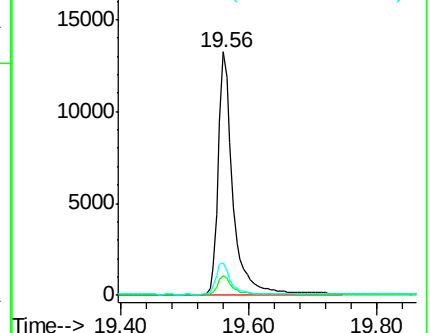
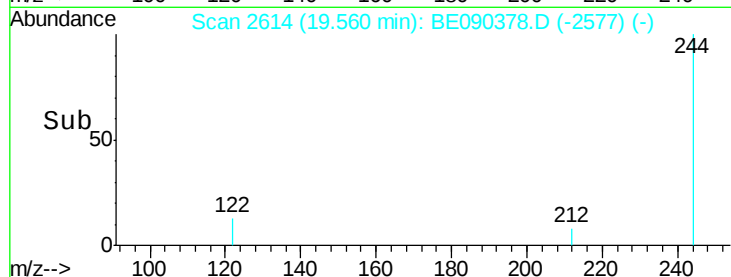
122 13.5 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 0.99 ng

RT: 21.08 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

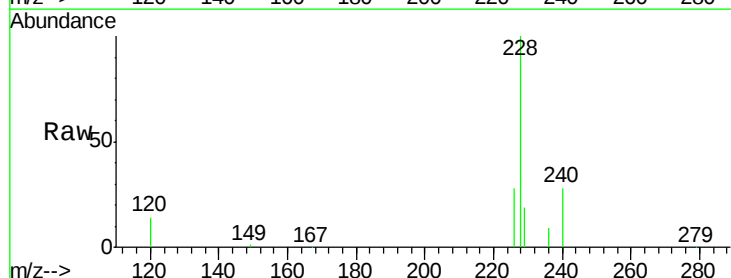
Tgt Ion:228 Resp: 30759

Ion Ratio Lower Upper

228 100

226 27.9 21.9 32.9

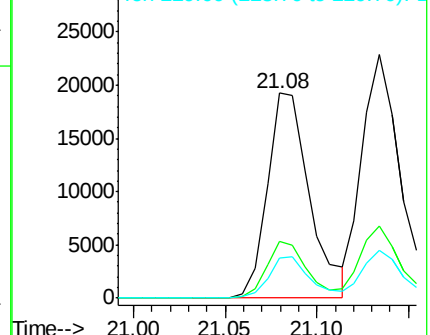
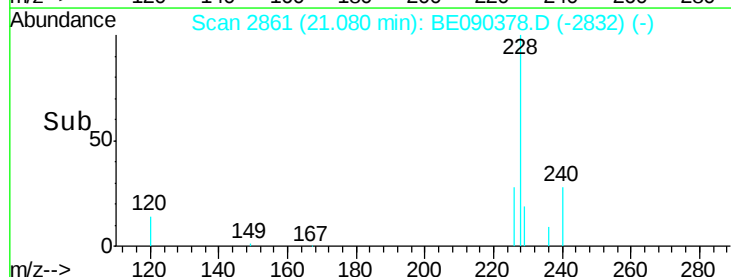
229 19.3 15.4 23.0

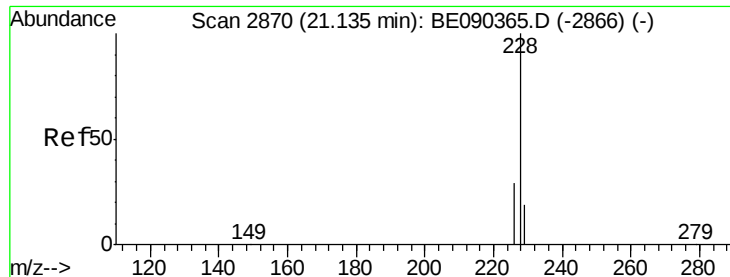


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.97 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

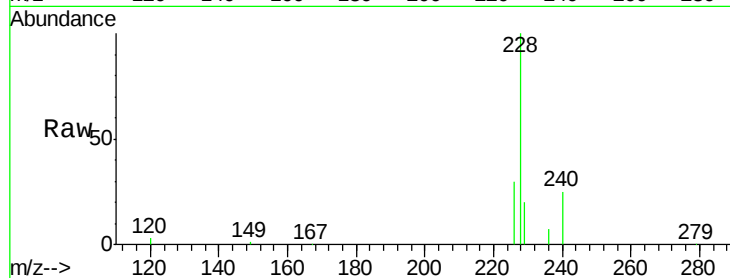
Tot Ion:228 Resp: 36380

Ion Ratio Lower Upper

228 100

226 29.5 23.1 34.7

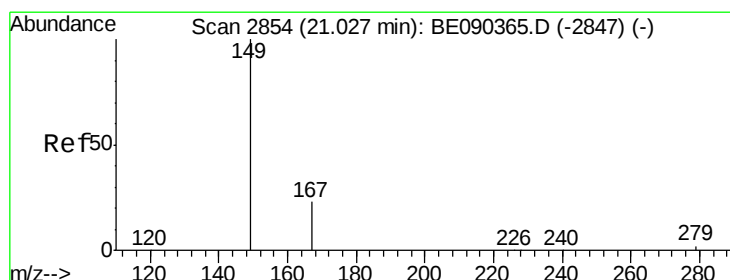
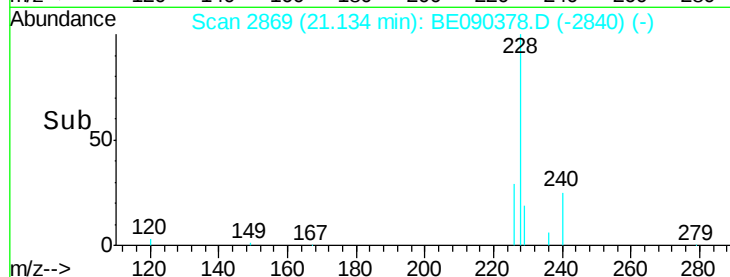
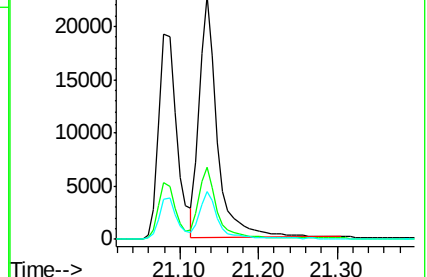
229 19.5 15.8 23.8



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: 0.90 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

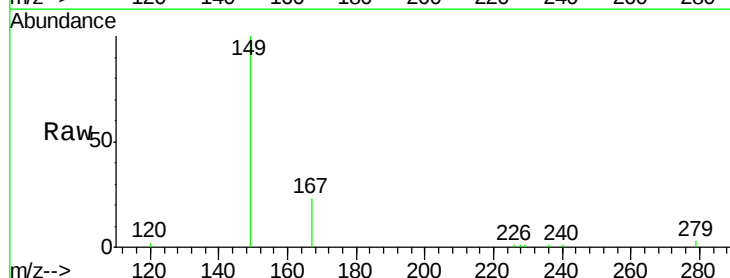
Tgt Ion:149 Resp: 6270

Ion Ratio Lower Upper

149 100

167 24.5 19.8 29.8

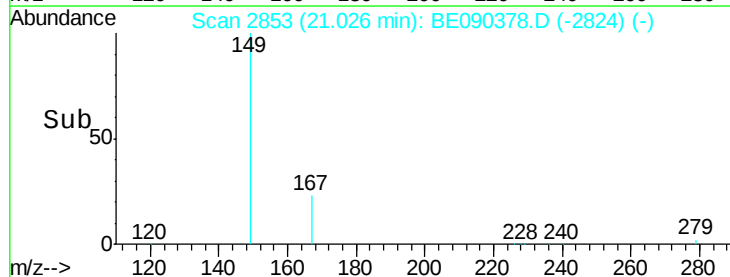
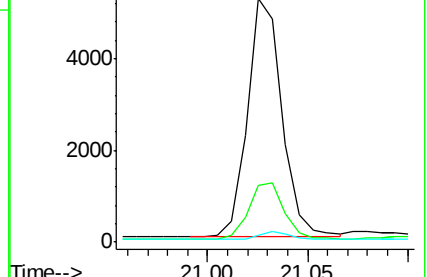
279 3.4 2.4 3.6

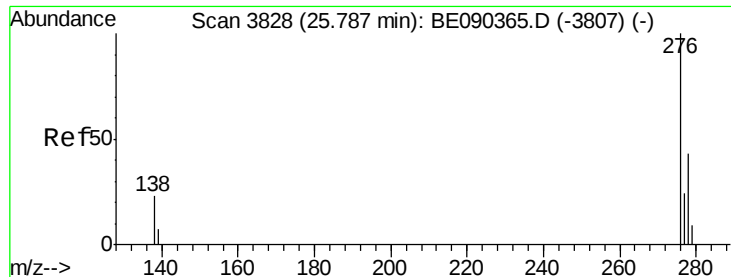


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

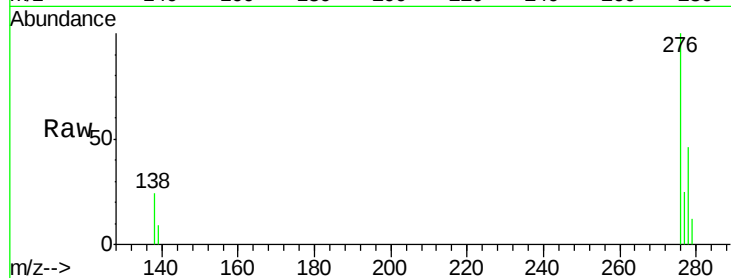




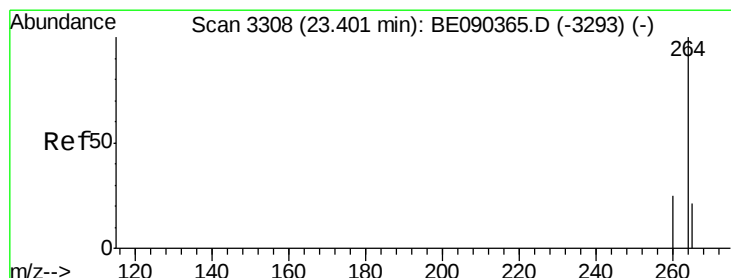
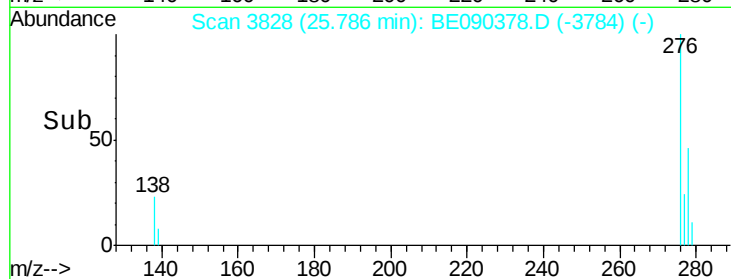
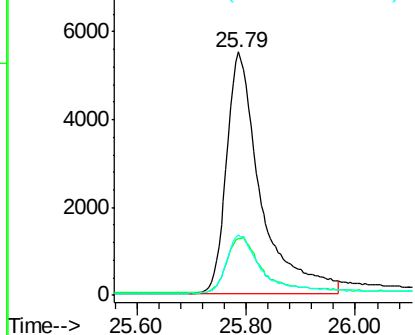
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.92 ng
RT: 25.79 min Scan# 3828
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 23767
Ion Ratio Lower Upper
276 100
138 24.0 18.8 28.2
277 24.6 18.2 27.4

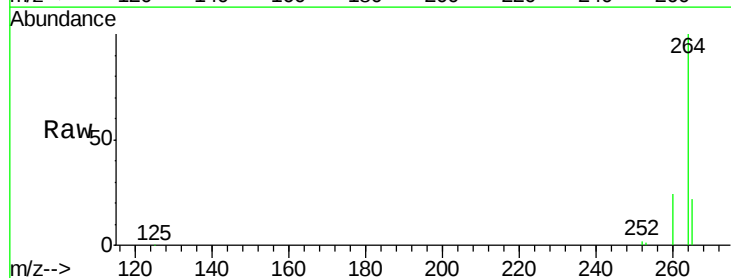


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

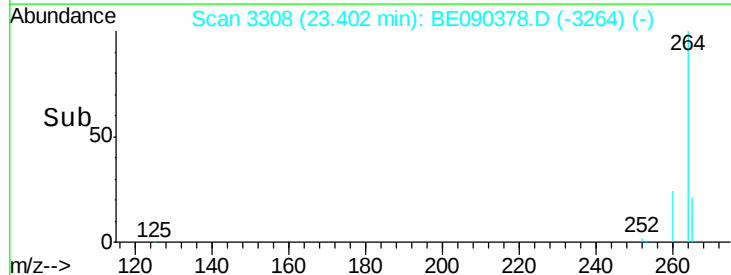
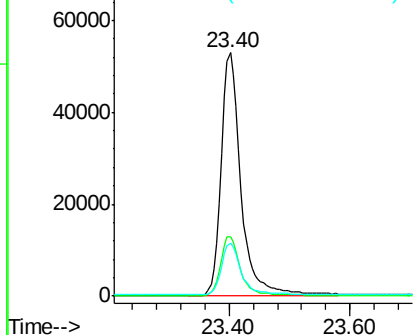


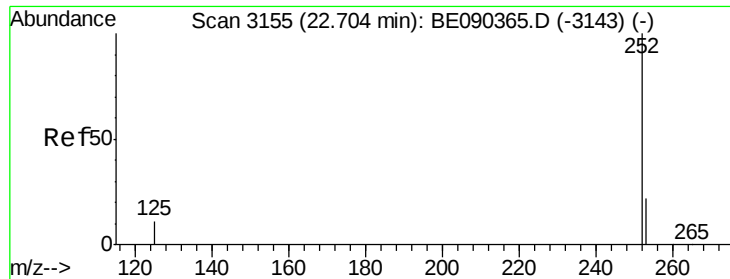
#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:264 Resp: 121181
Ion Ratio Lower Upper
264 100
260 24.5 20.1 30.1
265 21.9 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: 1.03 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

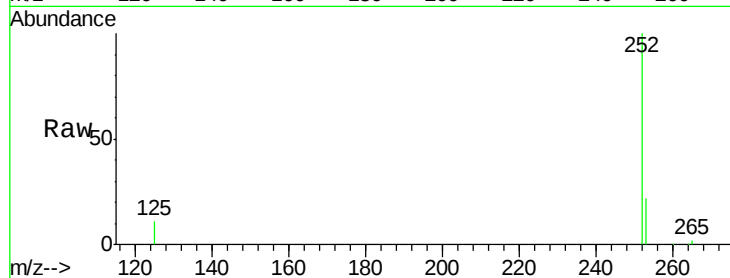
Tot Ion:252 Resp: 23774

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

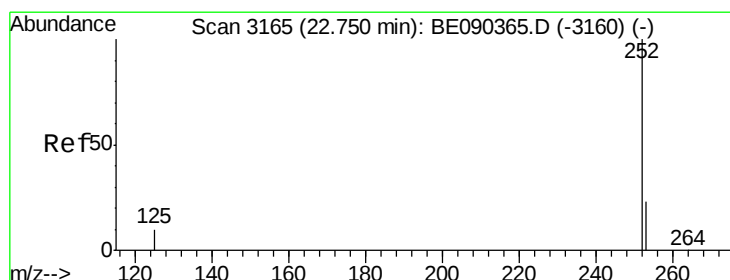
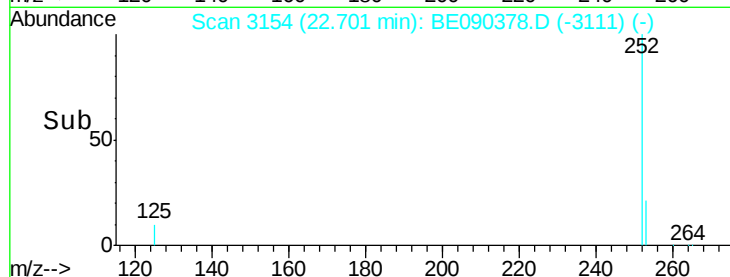
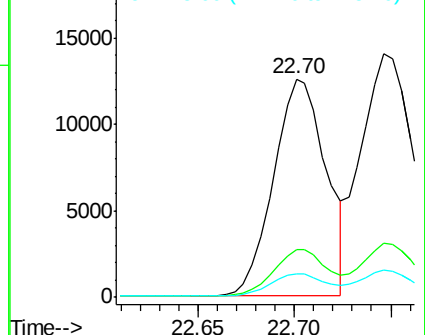
125 10.8 9.4 14.2



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: 0.98 ng

RT: 22.75 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

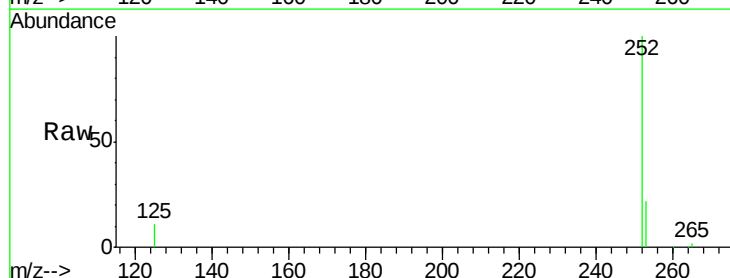
Tgt Ion:252 Resp: 32502

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

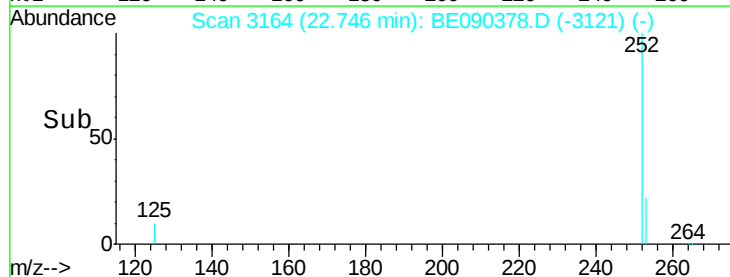
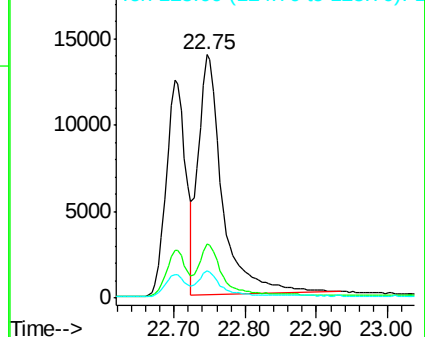
125 11.1 9.1 13.7



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: 0.99 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :

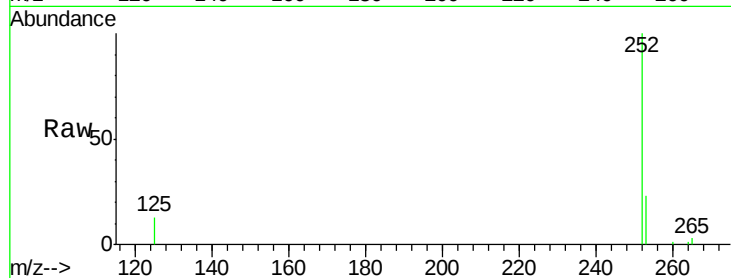
Tot Ion:252 Resp: 20617

Ion Ratio Lower Upper

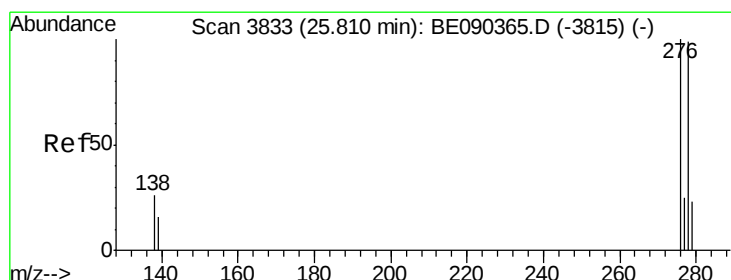
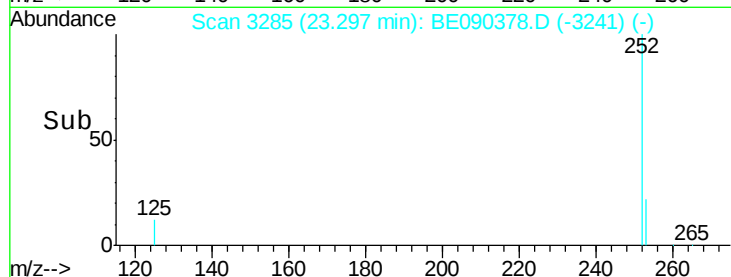
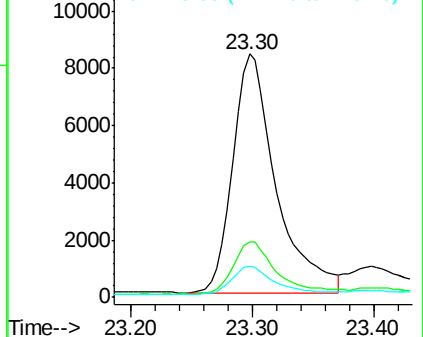
252 100

253 22.9 17.6 26.4

125 12.8 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: 0.95 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

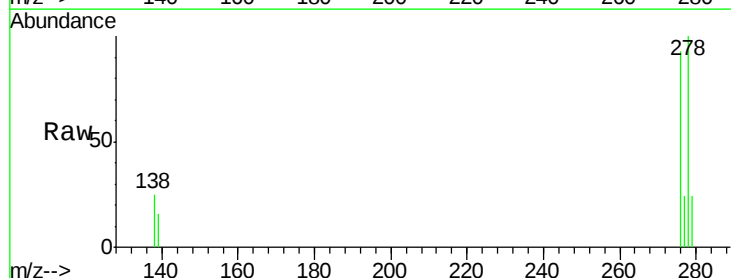
Tgt Ion:278 Resp: 17891

Ion Ratio Lower Upper

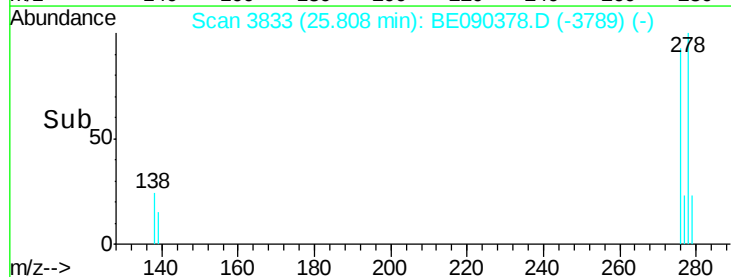
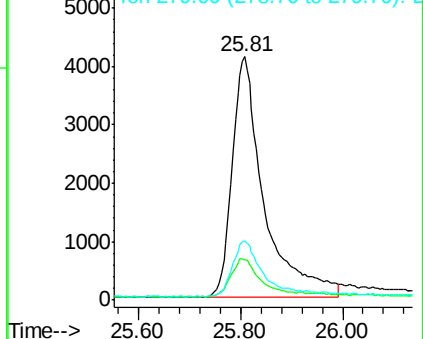
278 100

139 16.4 14.2 21.4

279 24.1 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(a,h,i)perylene

Concen: 1.01 ng

RT: 26.52 min Scan# 3989

Delta R.T. 0.00 min

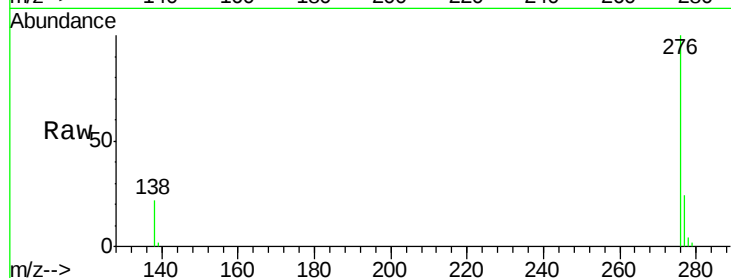
Lab File: BE090378.D

Acq: 6 Aug 2015 6:08

Instrument :

BNA_E

ClientSampleId :



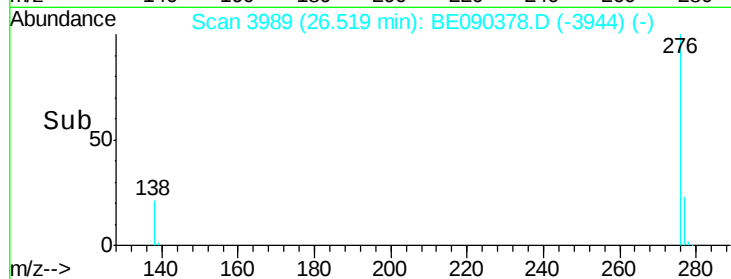
Tot Ion: 276 Resp: 22421

Ion Ratio Lower Upper

276 100

277 23.9 20.1 30.1

138 21.7 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

