

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\
 Data File : BE090759.D
 Acq On : 10 Sep 2015 13:50
 Operator : UM/IZ
 Sample : PB85478BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85478BS

Quant Time: Sep 11 02:51:30 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	38973	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	179127	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	96051	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	230758	5.00	ng	0.00
25) Chrysene-d12	21.07	240	313202	5.00	ng	0.00
32) Perylene-d12	23.36	264	274718	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	60700	7.99	ng	0.00
5) Phenol-d6	6.74	99	96811	8.92	ng	0.00
7) Nitrobenzene-d5	8.69	82	49617	4.19	ng	-0.01
13) 2,4,6-Tribromophenol	15.67	330	22702	8.05	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	102134	3.84	ng	0.00
27) Terphenyl-d14	19.53	244	154437	4.46	ng	-0.01

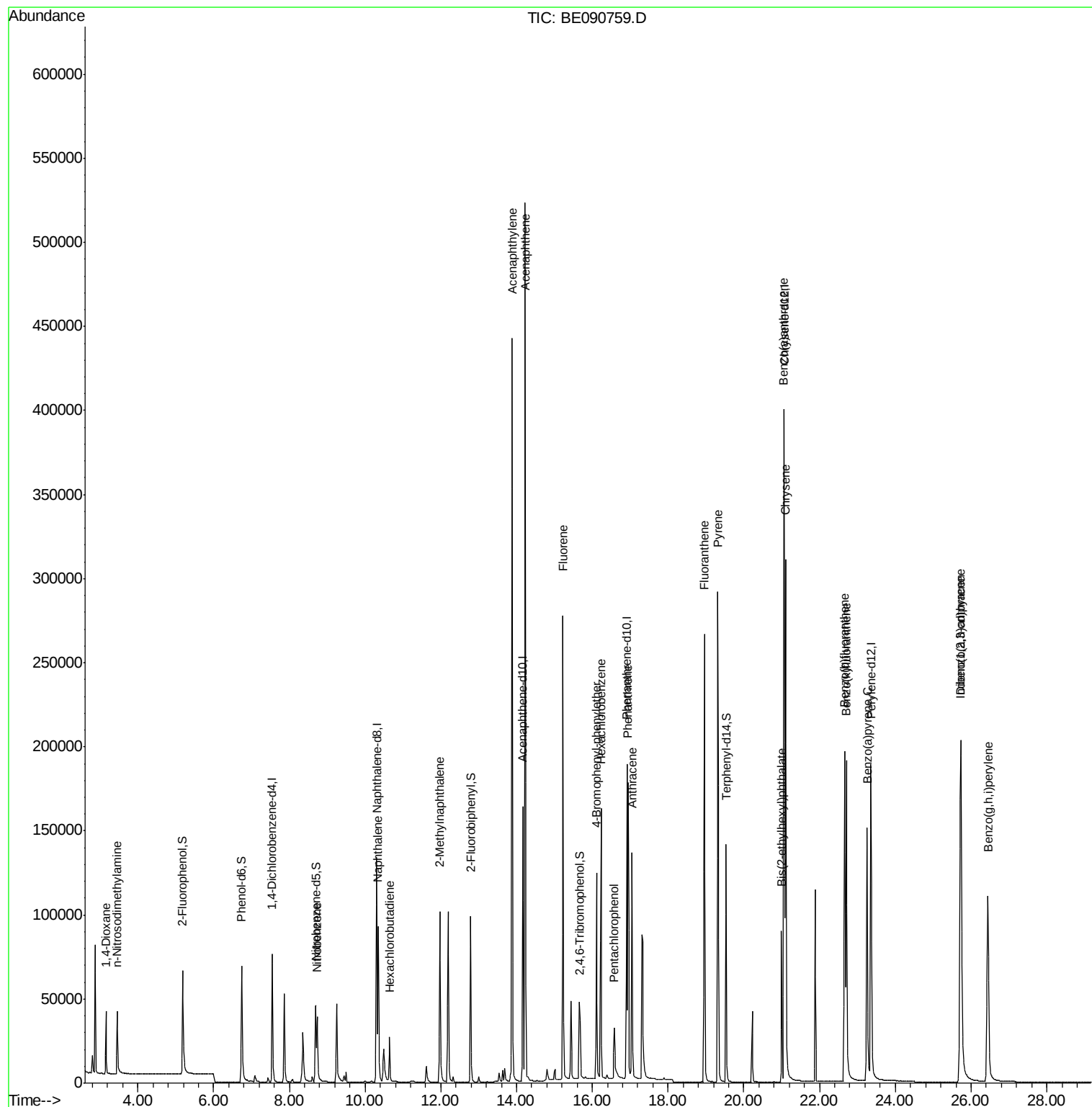
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.16	88	19287	3.76	ng	95
3) n-Nitrosodimethylamine	3.45	42	25206	3.63	ng	# 97
8) Nitrobenzene	8.73	77	51926	3.60	ng	99
9) Naphthalene	10.35	128	136241	3.49	ng	100
10) Hexachlorobutadiene	10.65	225	20311	3.32	ng	99
11) 2-Methylnaphthalene	11.97	142	86038	4.07	ng	99
15) Acenaphthylene	13.88	152	584718	3.81	ng	100
16) Acenaphthene	14.23	154	92713	3.61	ng	91
17) Fluorene	15.22	166	118636	3.71	ng	98
19) 4-Bromophenyl-phenylether	16.11	248	30182	3.84	ng	97
20) Hexachlorobenzene	16.23	284	149997	3.97	ng	97
21) Pentachlorophenol	16.58	266	22311	7.02	ng	96
22) Phenanthrene	16.94	178	213498	3.74	ng	100
23) Anthracene	17.05	178	201812	4.23	ng	100
24) Fluoranthene	18.96	202	242859	4.03	ng	99
26) Pyrene	19.32	202	275903	4.26	ng	99
28) Benzo(a)anthracene	21.05	228	270487	3.94	ng	98
29) Chrysene	21.11	228	283609	3.91	ng	100
30) Bis(2-ethylhexyl)phthalate	21.00	149	78604	3.59	ng	99
31) Indeno(1,2,3-cd)pyrene	25.72	276	280819	3.80	ng	99
33) Benzo(b)fluoranthene	22.66	252	242418	4.07	ng	99
34) Benzo(k)fluoranthene	22.71	252	277680	4.00	ng	99
35) Benzo(a)pyrene	23.25	252	226490	4.25	ng	99
36) Dibenzo(a,h)anthracene	25.74	278	231384	3.60	ng	100
37) Benzo(g,h,i)perylene	26.44	276	240191	3.92	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

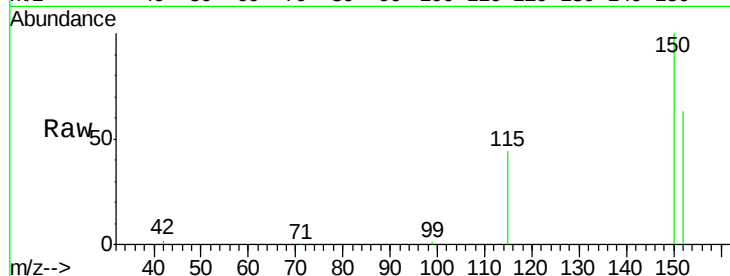
Tot Ion:152 Resp: 38973

Ion Ratio Lower Upper

152 100

150 158.5 122.2 183.4

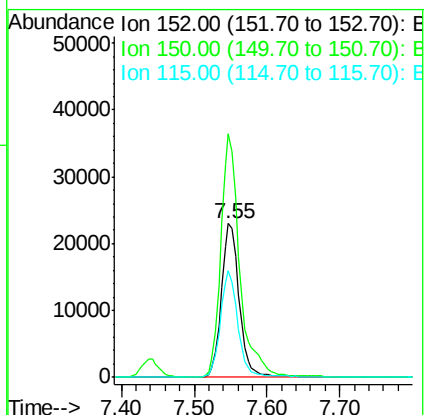
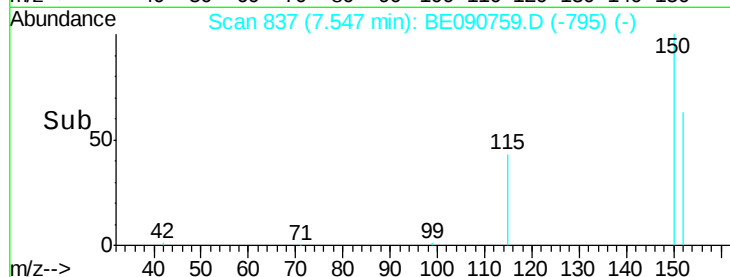
115 69.2 51.0 76.4



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: 3.76 ng

RT: 3.16 min Scan# 82

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

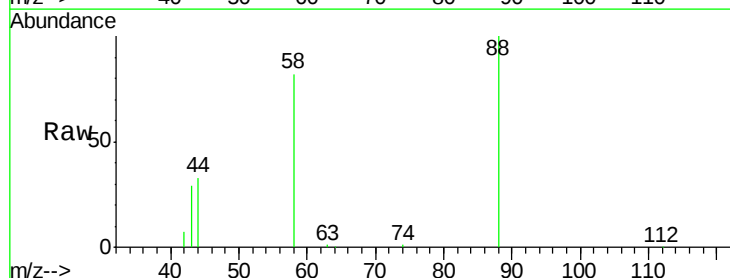
Tgt Ion: 88 Resp: 19287

Ion Ratio Lower Upper

88 100

58 91.4 68.4 102.6

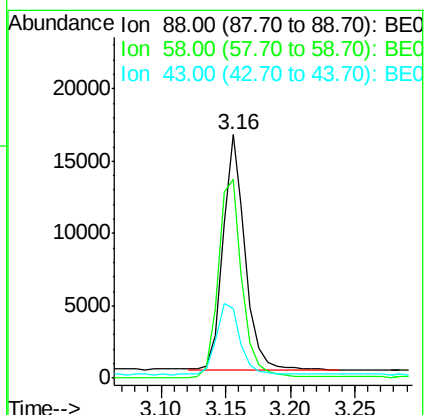
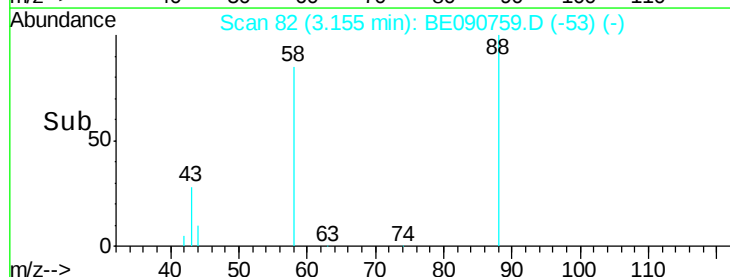
43 33.3 26.9 40.3



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



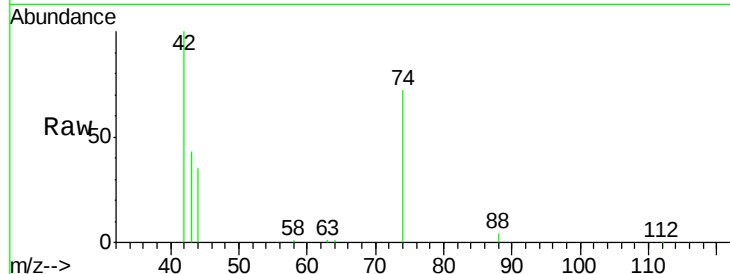


#3

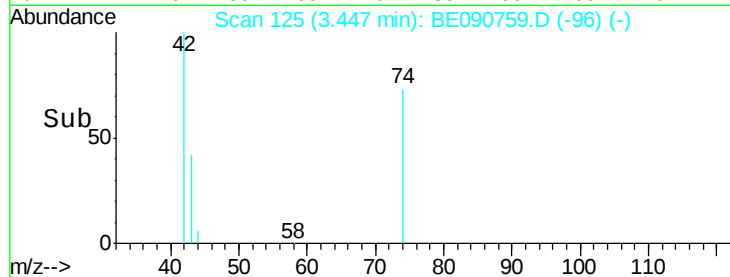
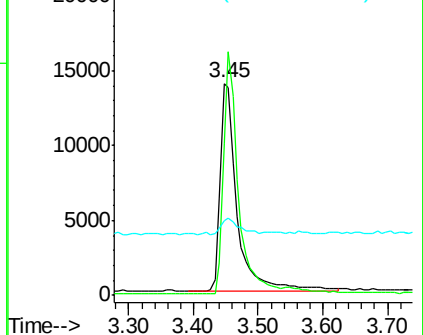
n-Nitrosodimethylamine
 Concen: 3.63 ng
 RT: 3.45 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: BE090759.D
 Acq: 10 Sep 2015 13:50

Instrument :
 BNA_E
 ClientSampleId :
 PB85478BS

Tot Ion: 42 Resp: 25206
 Ion Ratio Lower Upper
 42 100
 74 107.0 83.7 125.5
 44 9.6 10.0 15.0#



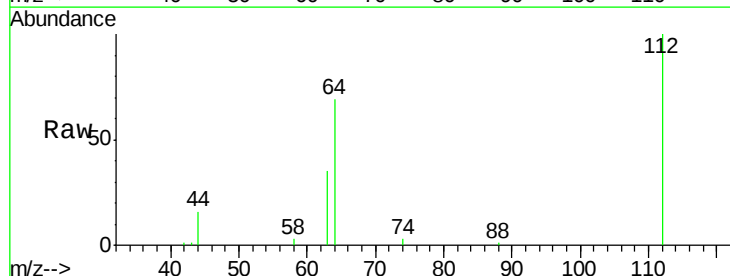
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



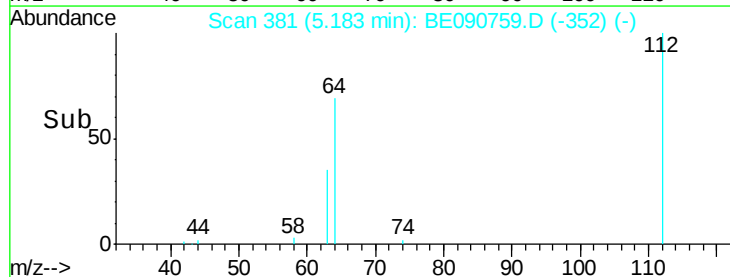
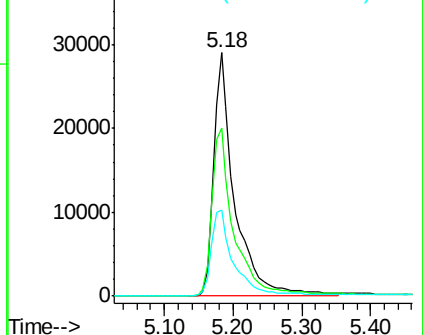
#4

2-Fluorophenol
 Concen: 7.99 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090759.D
 Acq: 10 Sep 2015 13:50

Tgt Ion: 112 Resp: 60700
 Ion Ratio Lower Upper
 112 100
 64 72.1 57.3 85.9
 63 37.5 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): BE0
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.92 ng

RT: 6.74 min Scan# 660

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

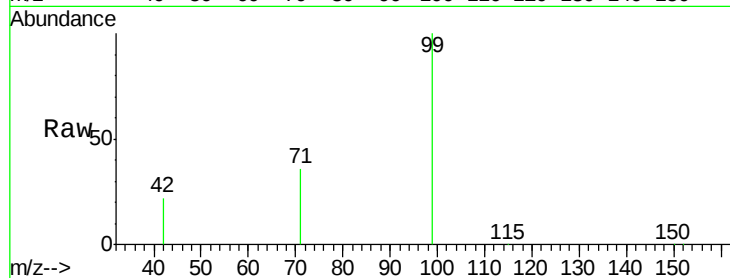
Tot Ion: 99 Resp: 96811

Ion Ratio Lower Upper

99 100

42 22.1 16.8 25.2

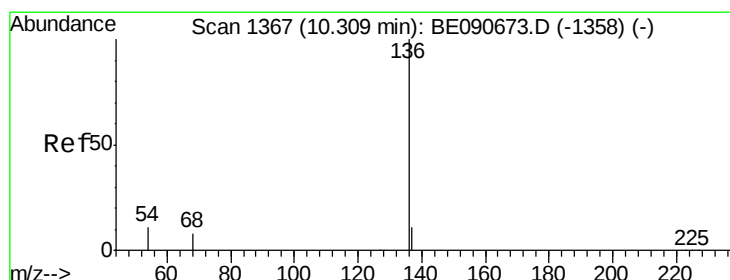
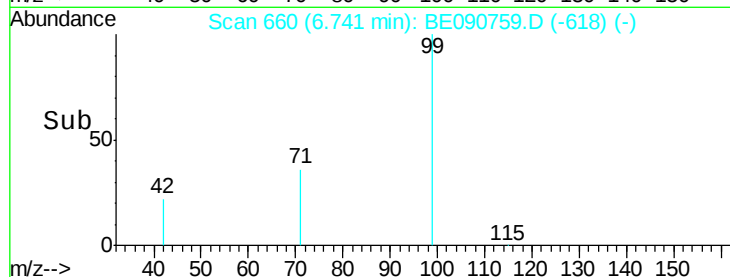
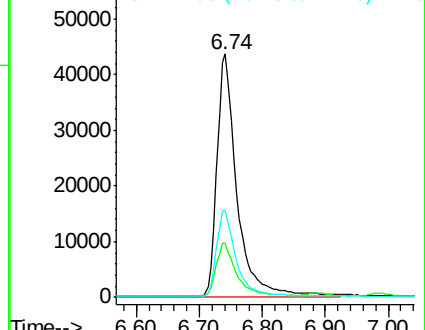
71 36.1 28.3 42.5



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: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Tgt Ion: 136 Resp: 179127

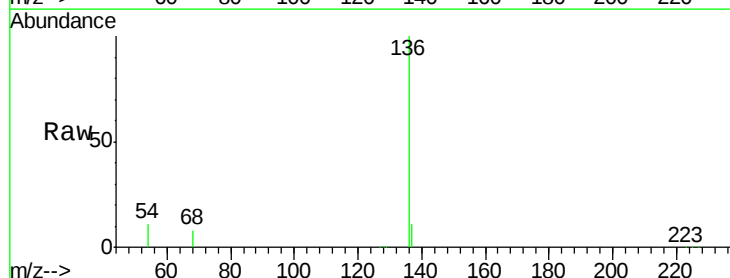
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.5 9.0 13.6

68 8.1 6.3 9.5

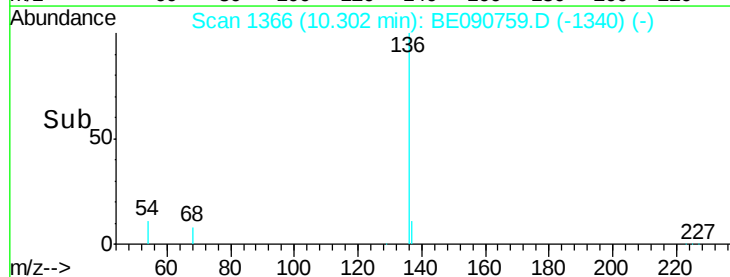
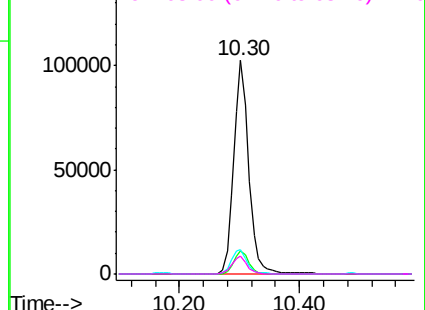


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.19 ng

RT: 8.69 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

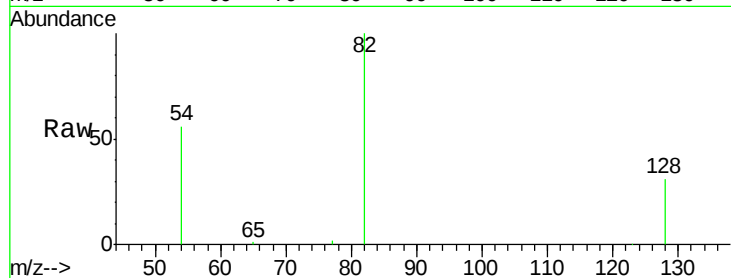
Tot Ion: 82 Resp: 49617

Ion Ratio Lower Upper

82 100

128 31.0 25.0 37.4

54 56.2 46.3 69.5

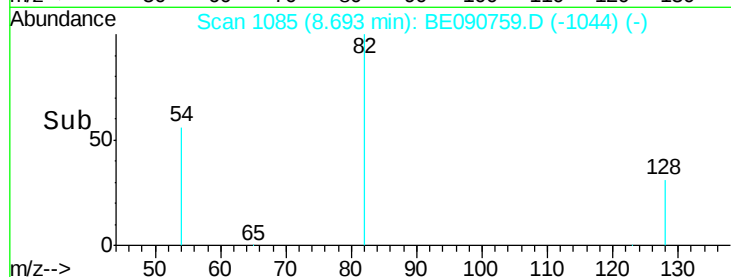


Abundance Ion 82.00 (81.70 to 82.70): BE0

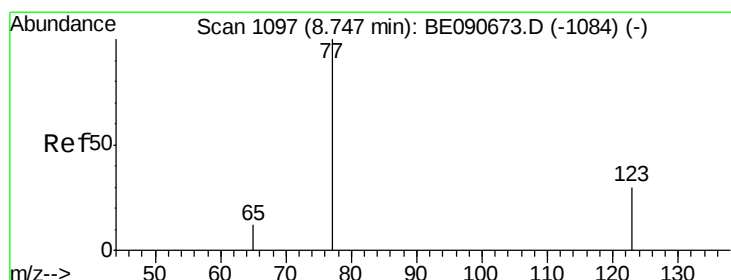
Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#8

Nitrobenzene

Concen: 3.60 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

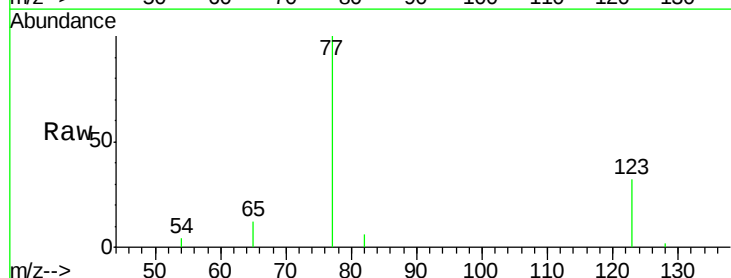
Tgt Ion: 77 Resp: 51926

Ion Ratio Lower Upper

77 100

123 32.3 25.1 37.7

65 12.4 9.9 14.9

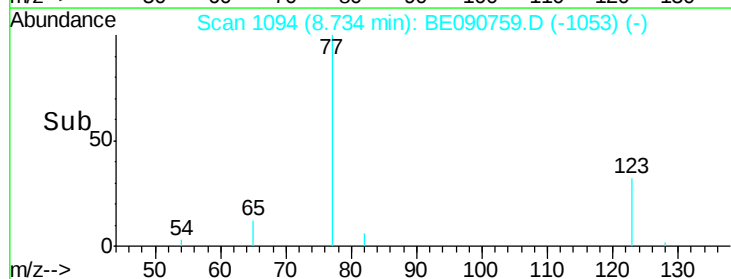


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 3.49 ng

RT: 10.35 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

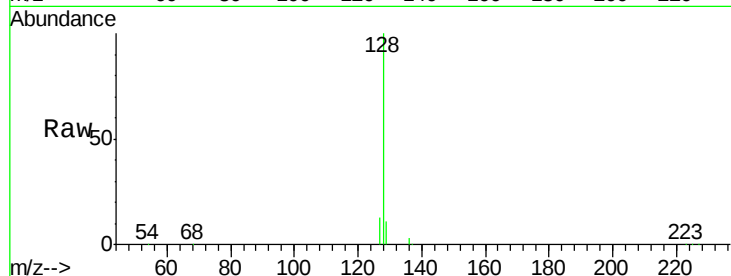
Tot Ion:128 Resp: 136241

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

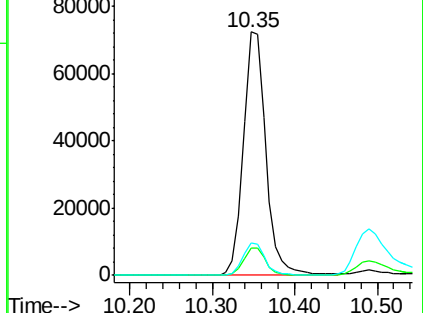
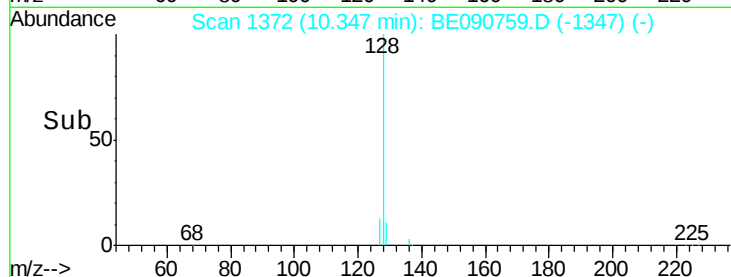
127 13.3 10.6 15.8



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: 3.32 ng

RT: 10.65 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

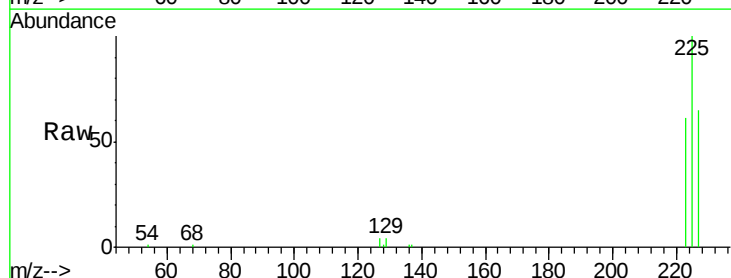
Tgt Ion:225 Resp: 20311

Ion Ratio Lower Upper

225 100

223 62.5 50.6 76.0

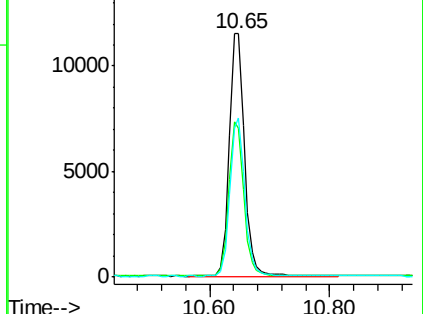
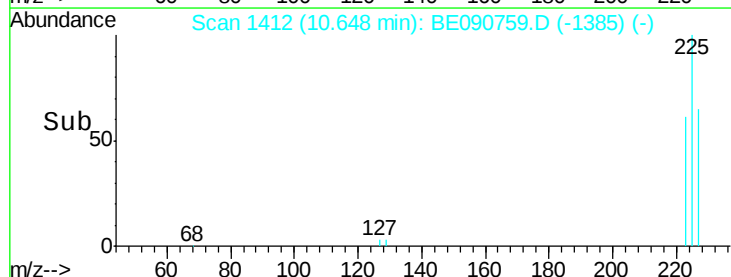
227 63.9 51.0 76.6

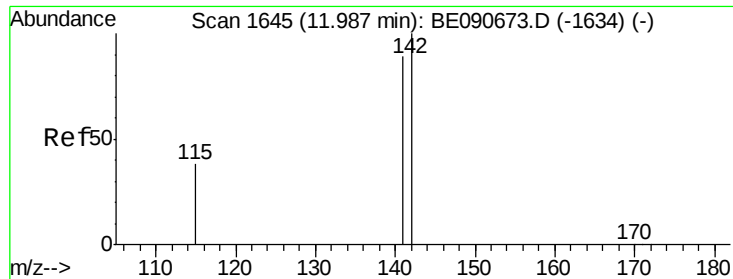


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

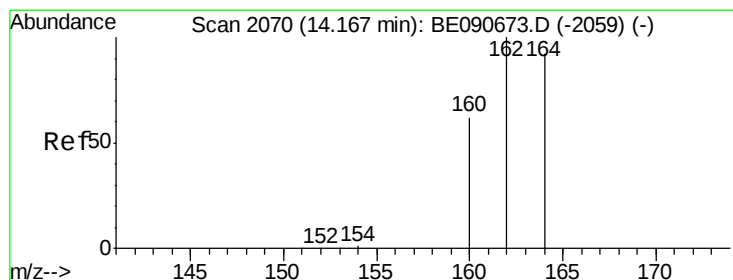
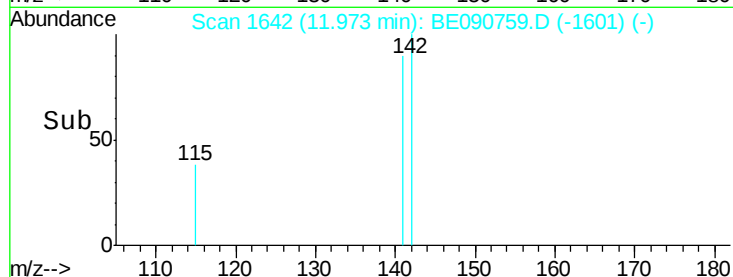
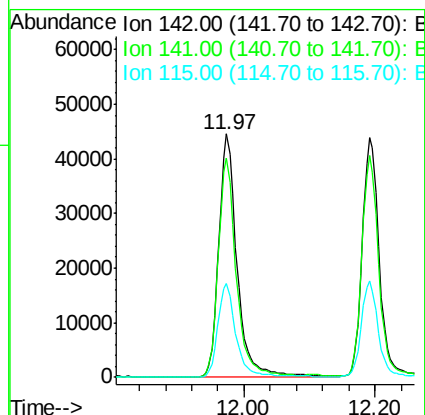
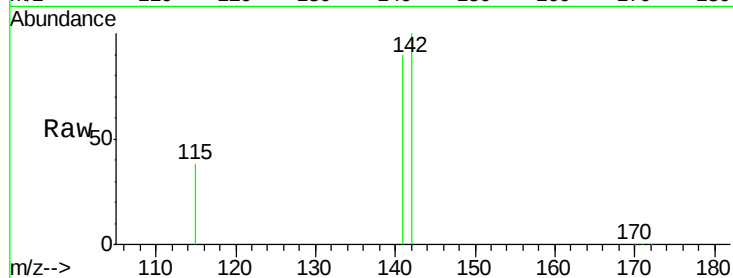




#11
2-Methylnaphthalene
Concen: 4.07 ng
RT: 11.97 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BE090759.D
Acq: 10 Sep 2015 13:50

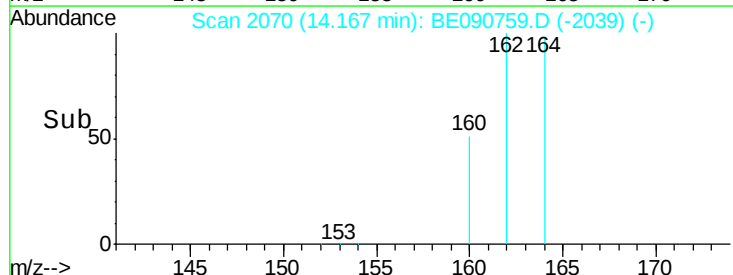
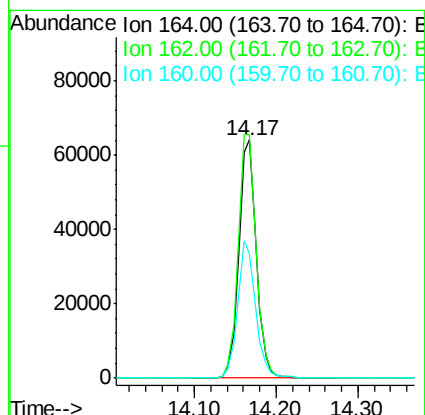
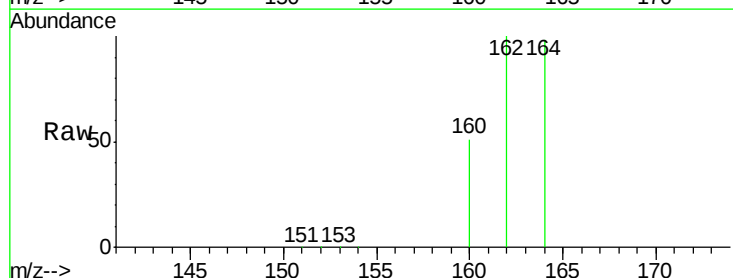
Instrument :
BNA_E
ClientSampleId :
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Tot Ion:142 Resp: 86038
Ion Ratio Lower Upper
142 100
141 90.2 71.4 107.2
115 38.3 31.0 46.4



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2070
Delta R.T. 0.00 min
Lab File: BE090759.D
Acq: 10 Sep 2015 13:50

Tgt Ion:164 Resp: 96051
Ion Ratio Lower Upper
164 100
162 102.2 86.8 130.2
160 52.5 53.9 80.9#

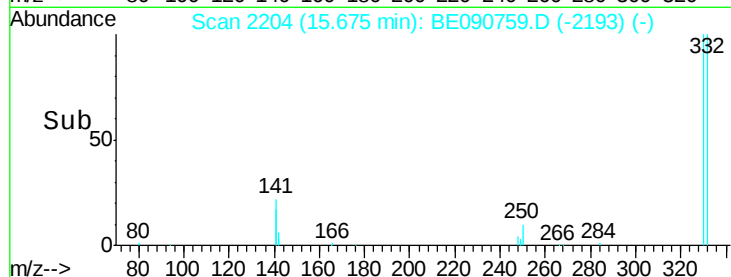
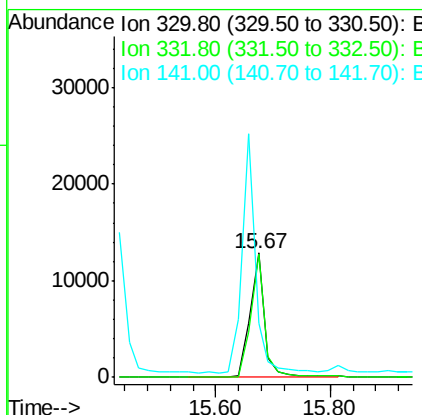
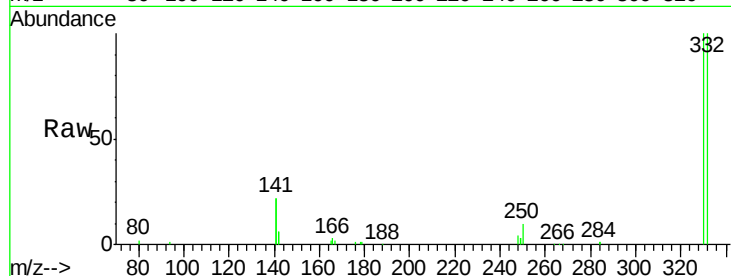




#13
 2,4,6-Tribromophenol
 Concen: 8.05 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090759.D
 Acq: 10 Sep 2015 13:50

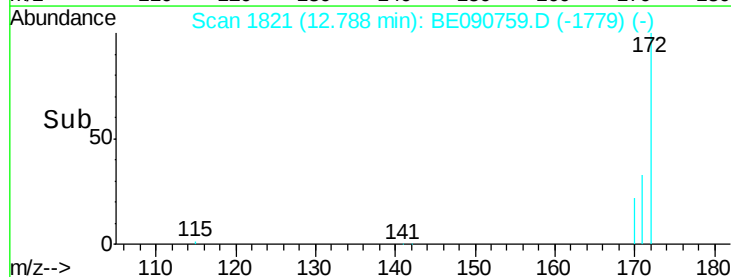
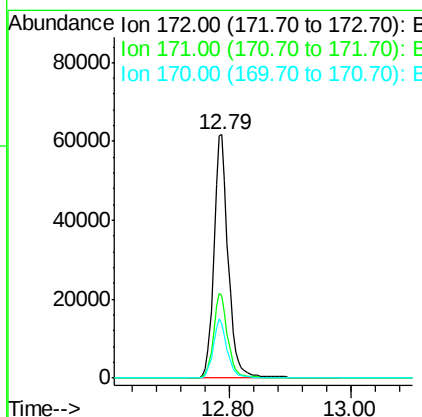
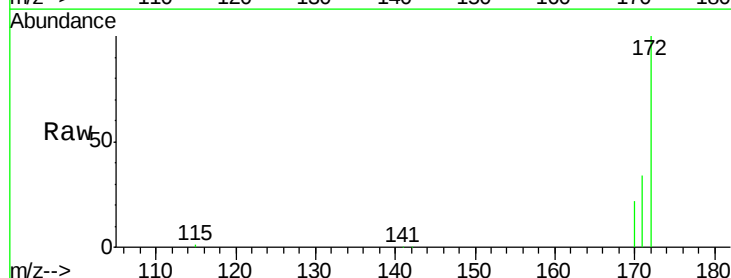
Instrument :
 BNA_E
 ClientSampleId :
 PB85478BS

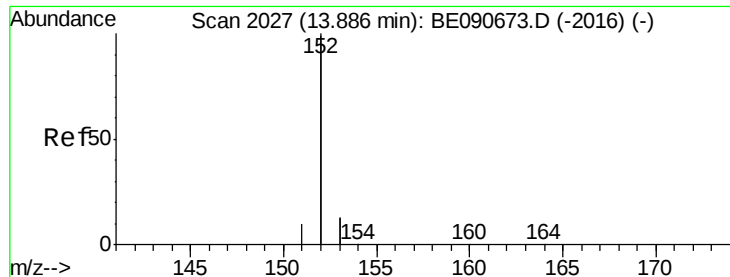
Tot Ion:330 Resp: 22702
 Ion Ratio Lower Upper
 330 100
 332 96.2 74.9 112.3
 141 174.9 145.2 217.8



#14
 2-Fluorobiphenyl
 Concen: 3.84 ng
 RT: 12.79 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BE090759.D
 Acq: 10 Sep 2015 13:50

Tgt Ion:172 Resp: 102134
 Ion Ratio Lower Upper
 172 100
 171 33.7 27.8 41.8
 170 22.3 19.8 29.6





#15

Acenaphthylene

Concen: 3.81 ng

RT: 13.88 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

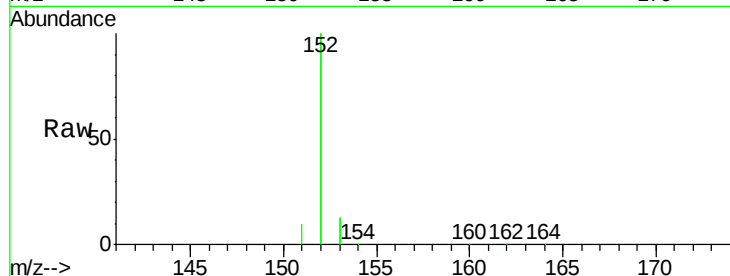
Tot Ion:152 Resp: 584718

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

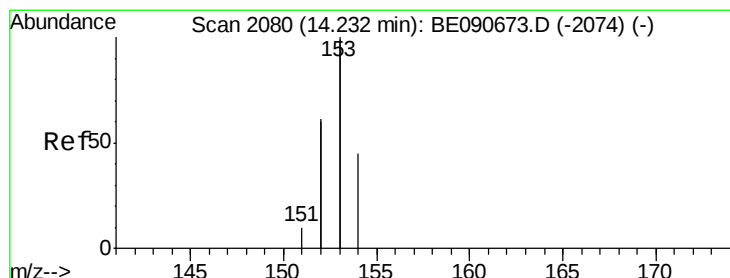
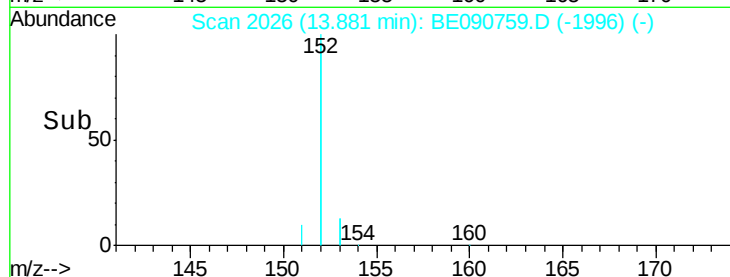
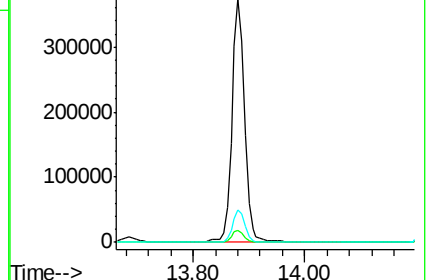
153 13.0 10.3 15.5



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: 3.61 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

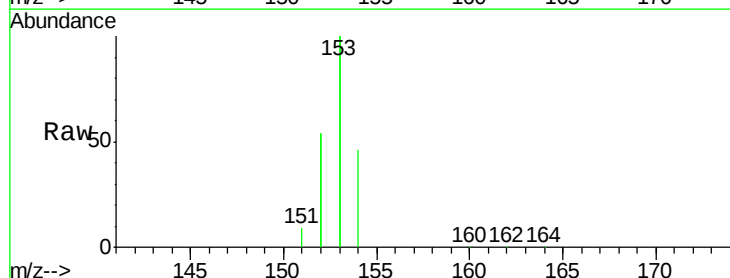
Tgt Ion:154 Resp: 92713

Ion Ratio Lower Upper

154 100

153 439.6 354.5 531.7

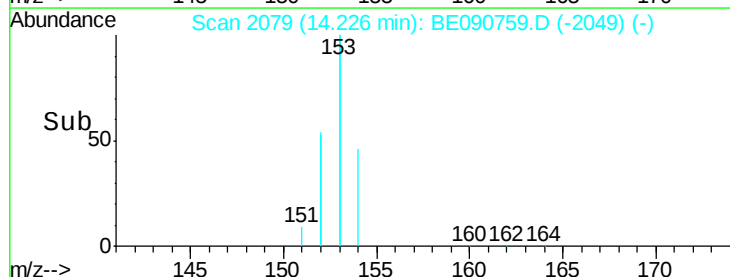
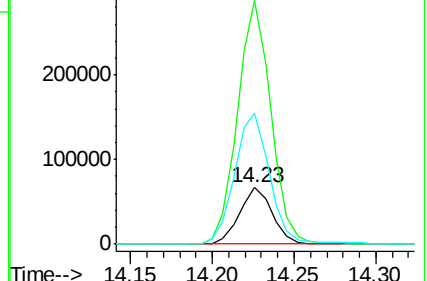
152 246.1 227.8 341.6



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

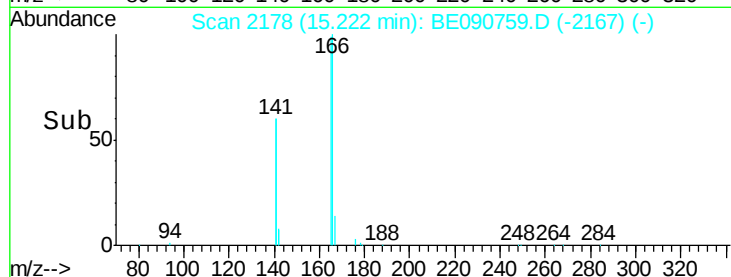
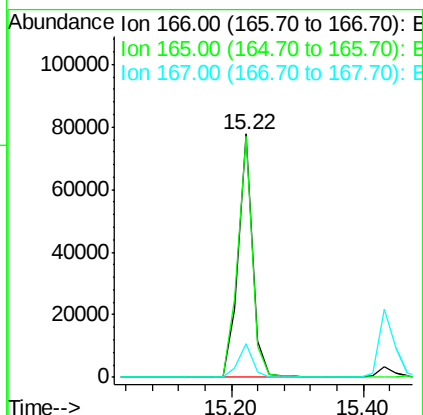
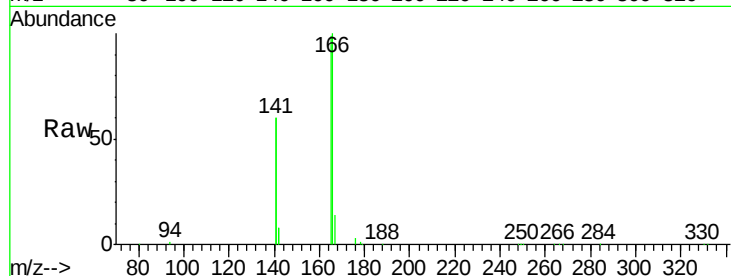




#17
Fluorene
Concen: 3.71 ng
RT: 15.22 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE090759.D
Acq: 10 Sep 2015 13:50

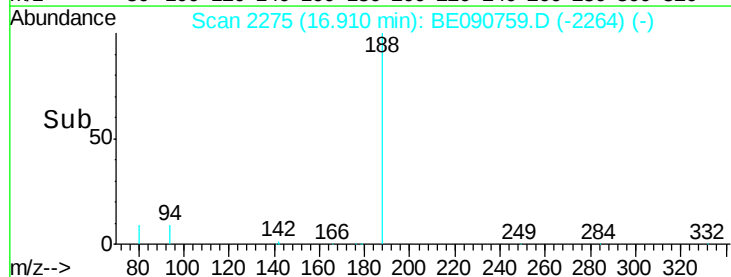
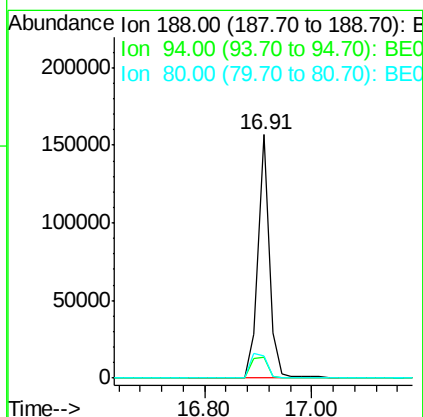
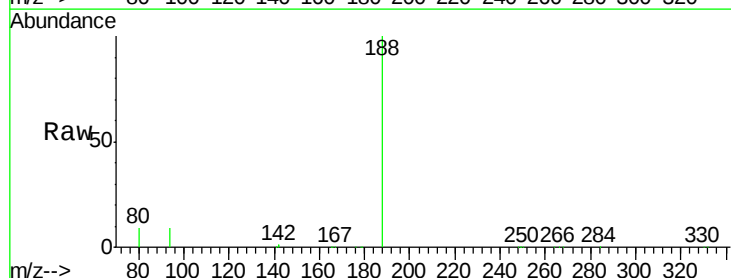
Instrument :
BNA_E
ClientSampleId :
PB85478BS

Tot Ion:166 Resp: 118636
Ion Ratio Lower Upper
166 100
165 100.9 82.7 124.1
167 13.7 10.7 16.1



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090759.D
Acq: 10 Sep 2015 13:50

Tgt Ion:188 Resp: 230758
Ion Ratio Lower Upper
188 100
94 8.8 10.3 15.5#
80 9.3 11.0 16.6#





#19

4-Bromophenyl-phenylether

Concen: 3.84 ng

RT: 16.11 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

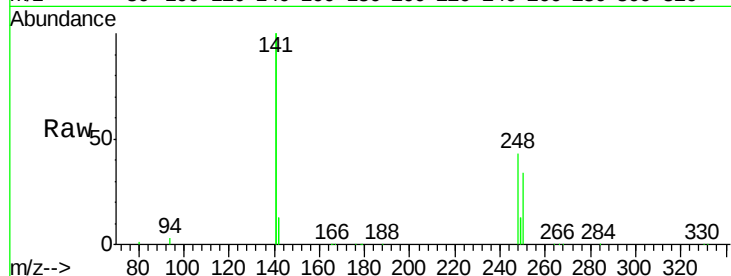
Tot Ion:248 Resp: 30182

Ion Ratio Lower Upper

248 100

250 95.6 76.7 115.1

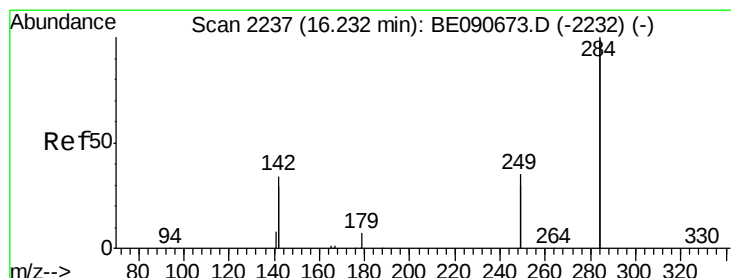
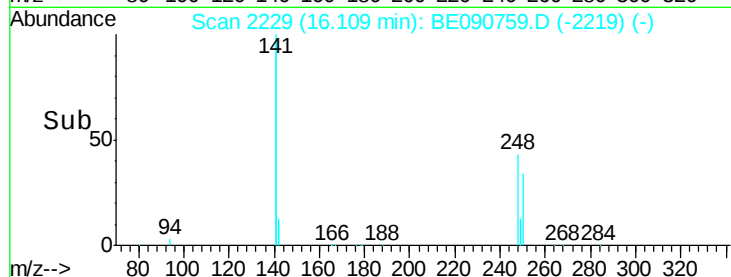
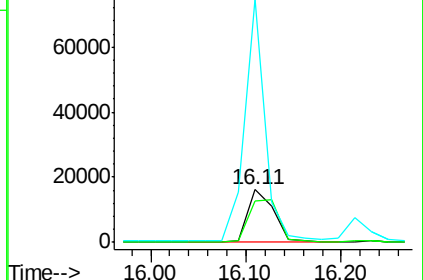
141 358.2 292.6 439.0



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 3.97 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

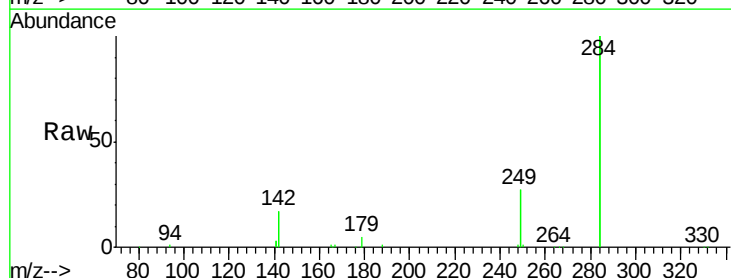
Tgt Ion:284 Resp: 149997

Ion Ratio Lower Upper

284 100

142 41.2 35.0 52.4

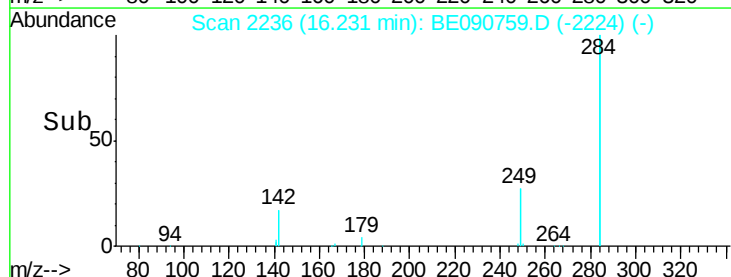
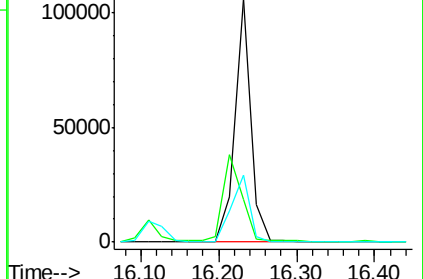
249 31.0 25.5 38.3



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

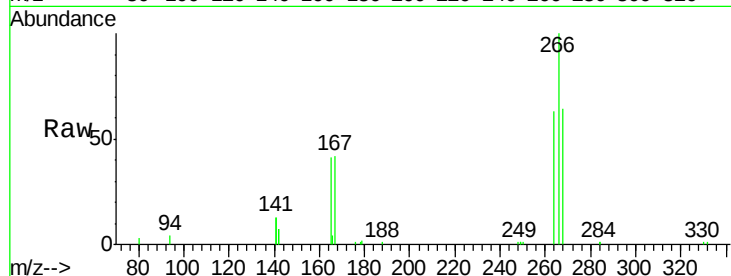




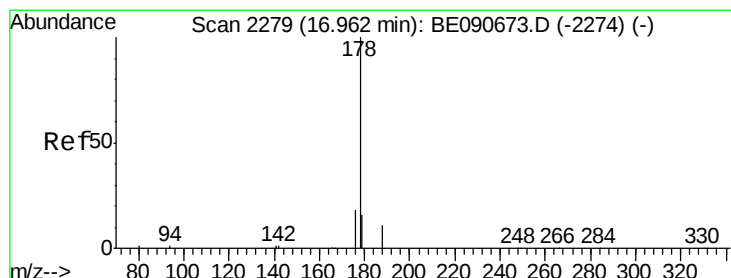
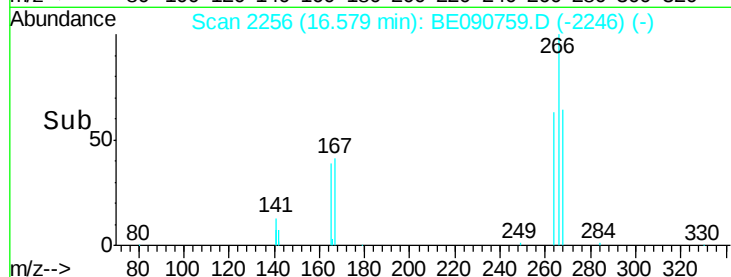
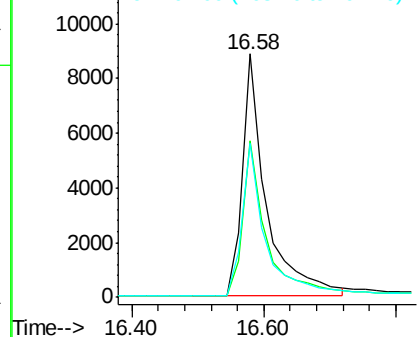
#21
 Pentachlorophenol
 Concen: 7.02 ng
 RT: 16.58 min Scan# 2256
 Delta R.T. -0.02 min
 Lab File: BE090759.D
 Acq: 10 Sep 2015 13:50

Instrument :
 BNA_E
 ClientSampleId :
 PB85478BS

Tot Ion:266 Resp: 22311
 Ion Ratio Lower Upper
 266 100
 268 64.1 49.6 74.4
 264 63.3 53.9 80.9

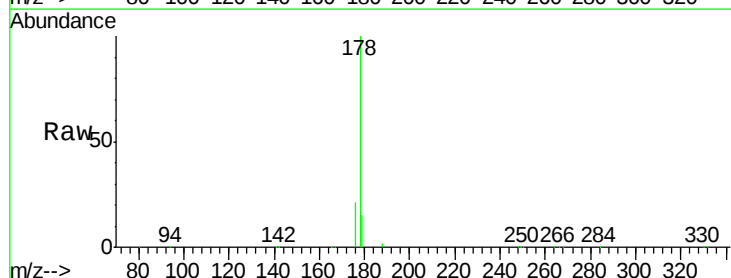


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

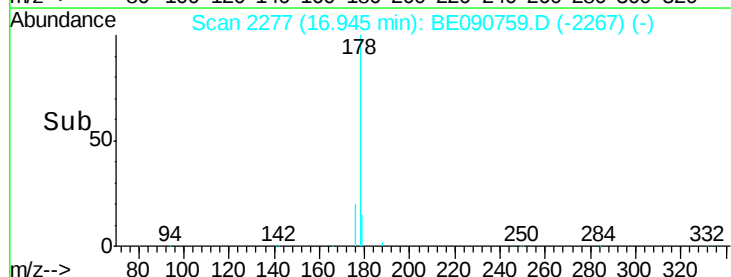
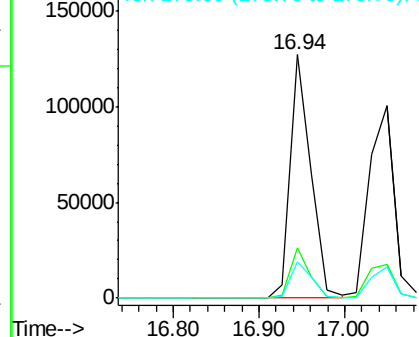


#22
 Phenanthrene
 Concen: 3.74 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE090759.D
 Acq: 10 Sep 2015 13:50

Tgt Ion:178 Resp: 213498
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 15.6 12.8 19.2



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: 4.23 ng

RT: 17.05 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

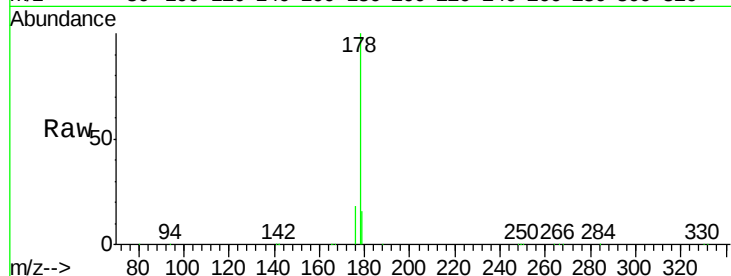
Tot Ion:178 Resp: 201812

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

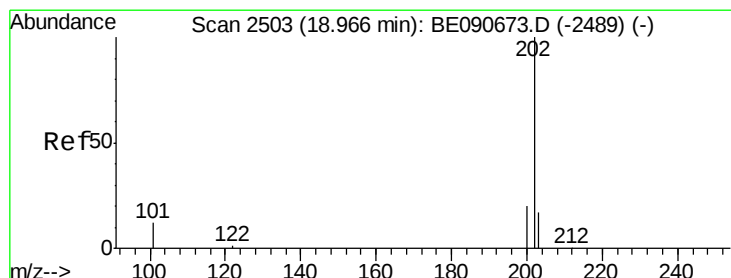
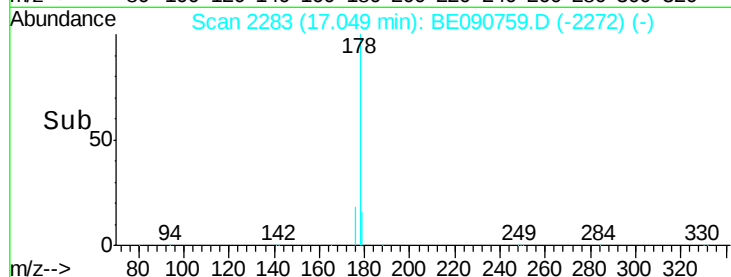
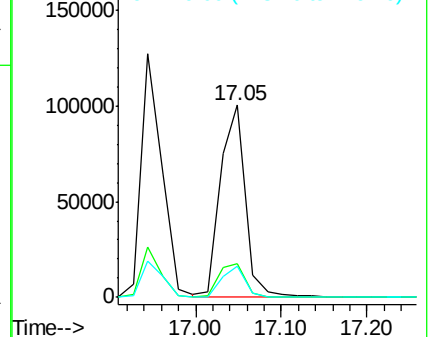
179 15.5 12.3 18.5



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



#24

Fluoranthene

Concen: 4.03 ng

RT: 18.96 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

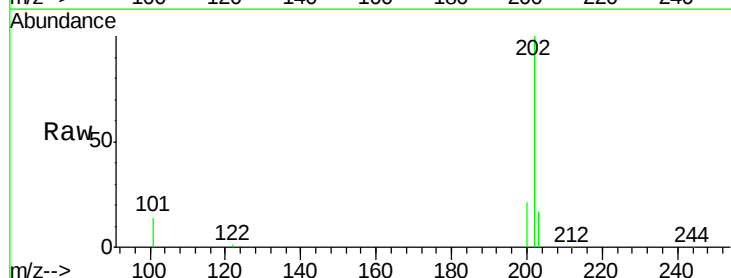
Tgt Ion:202 Resp: 242859

Ion Ratio Lower Upper

202 100

101 14.3 11.0 16.6

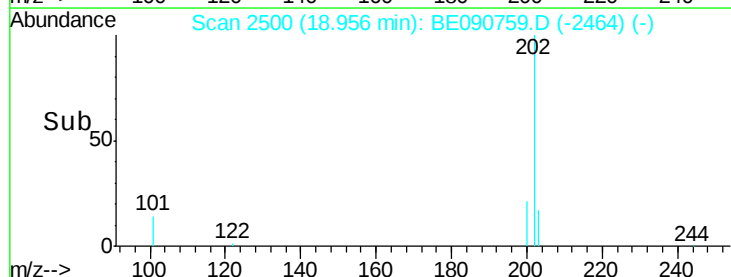
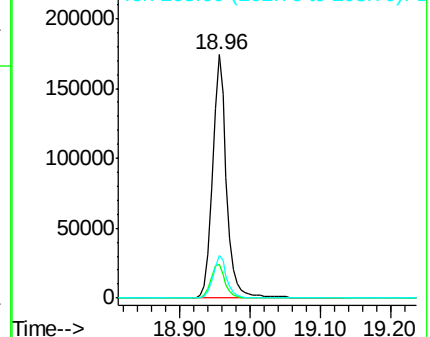
203 17.2 13.9 20.9

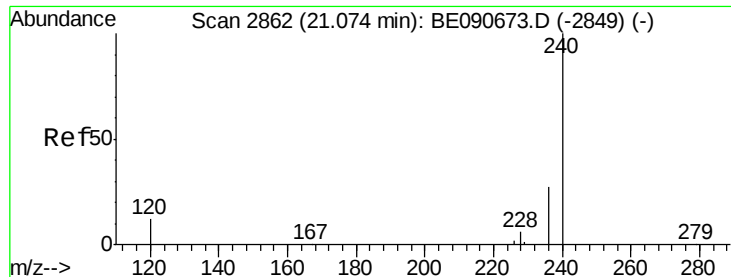


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

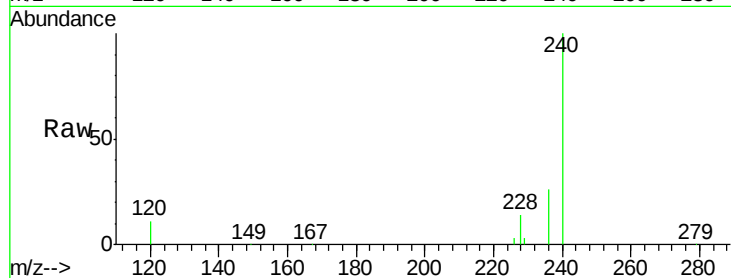
Tot Ion:240 Resp: 313202

Ion Ratio Lower Upper

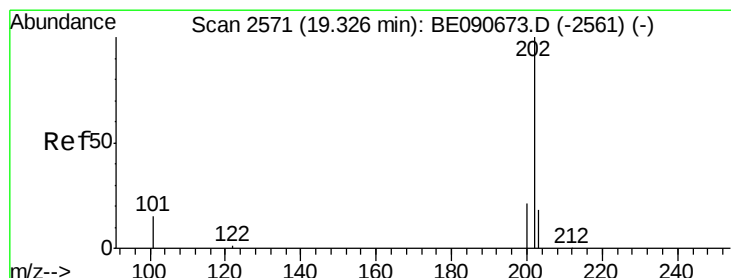
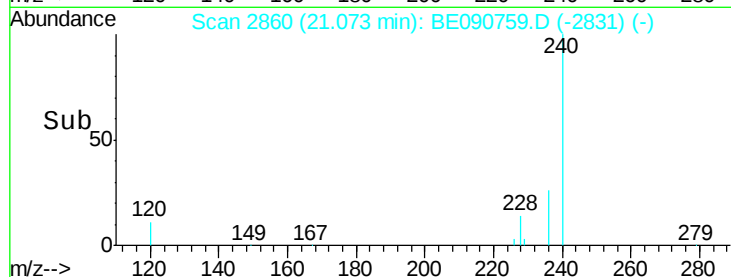
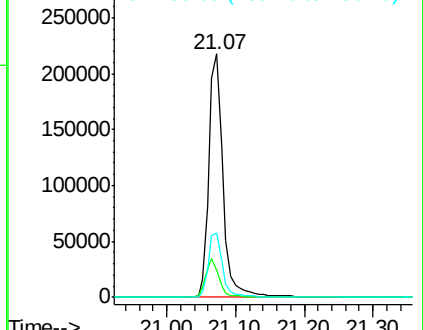
240 100

120 11.2 10.1 15.1

236 26.4 21.9 32.9



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: 4.26 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

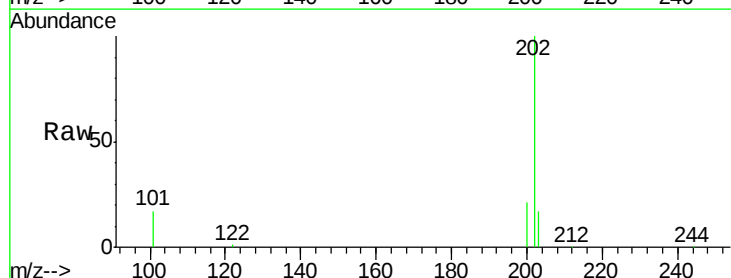
Tgt Ion:202 Resp: 275903

Ion Ratio Lower Upper

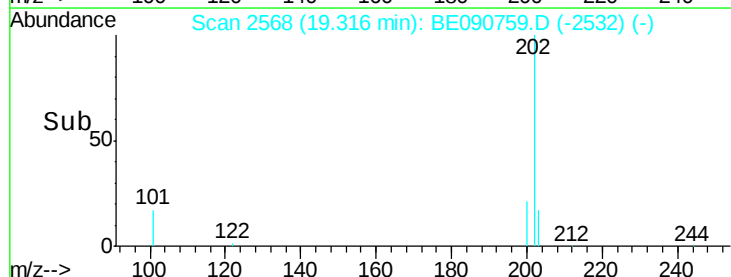
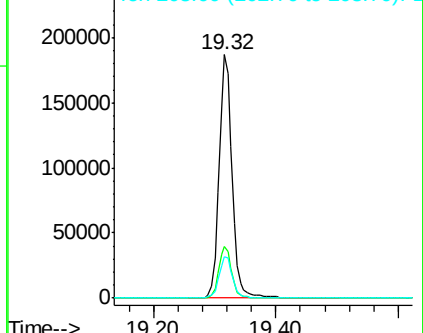
202 100

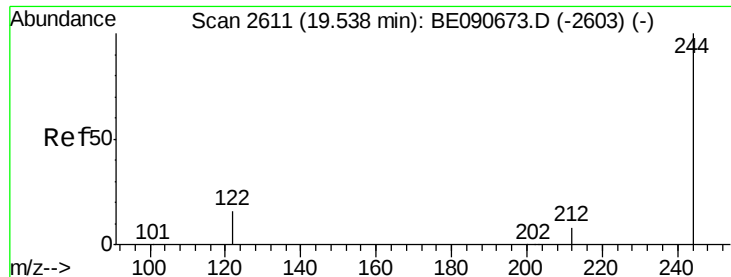
200 21.3 16.7 25.1

203 17.8 13.8 20.6



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: 4.46 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

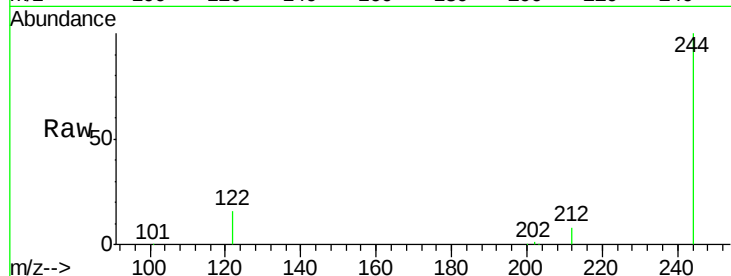
Tot Ion:244 Resp: 154437

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

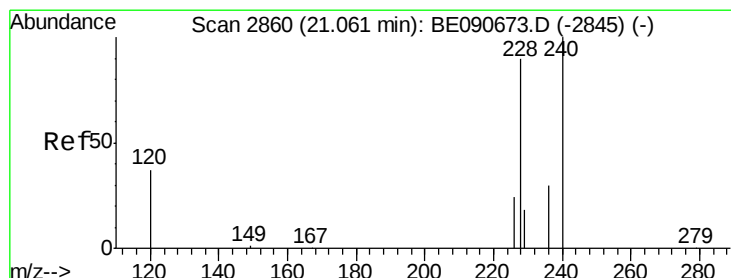
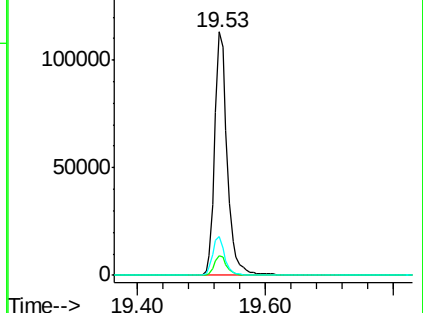
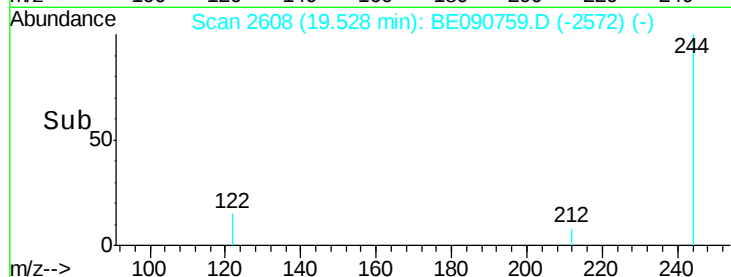
122 15.7 12.9 19.3



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: 3.94 ng

RT: 21.05 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

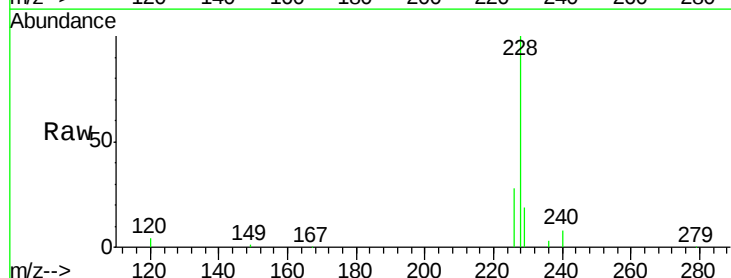
Tgt Ion:228 Resp: 270487

Ion Ratio Lower Upper

228 100

226 28.1 21.6 32.4

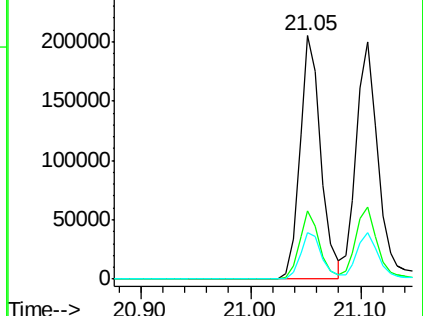
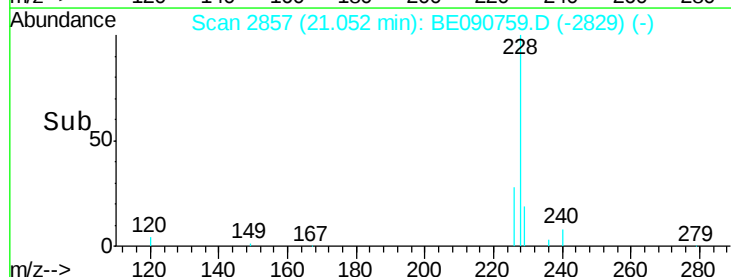
229 19.3 15.9 23.9



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: 3.91 ng

RT: 21.11 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampled :

PB85478BS

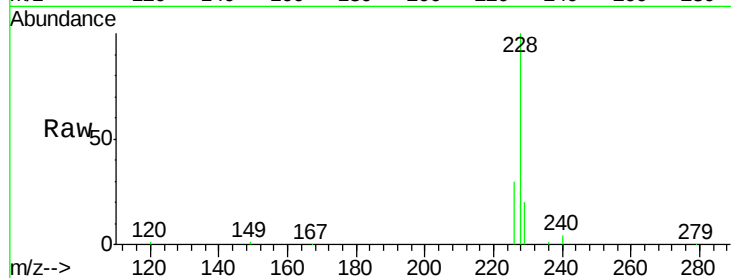
Tot Ion:228 Resp: 283609

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

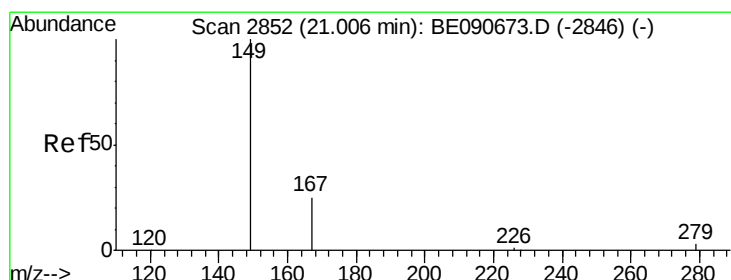
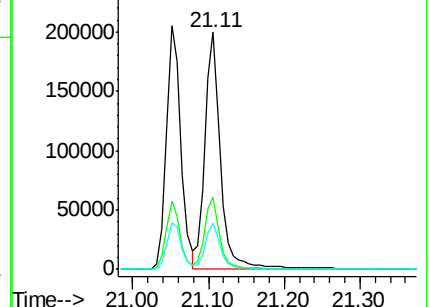
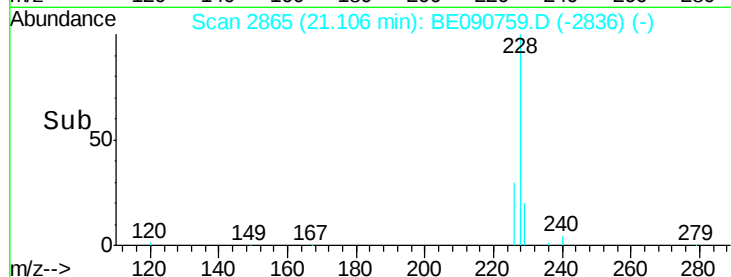
229 19.6 15.3 22.9



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: 3.59 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

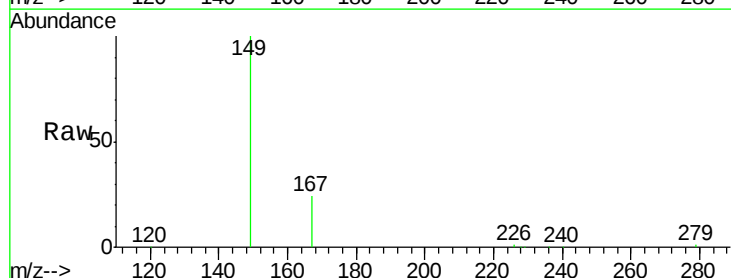
Tgt Ion:149 Resp: 78604

Ion Ratio Lower Upper

149 100

167 25.6 20.1 30.1

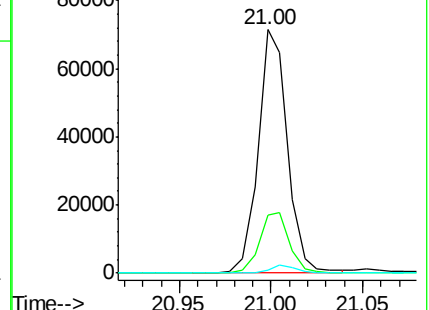
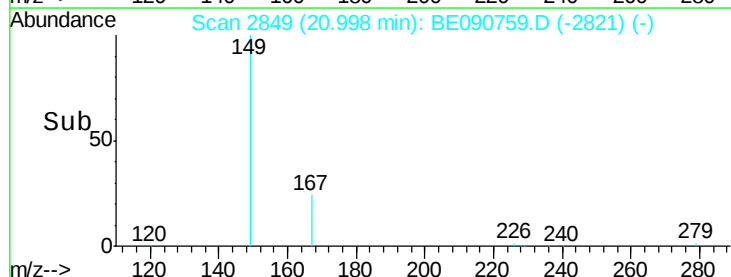
279 2.9 2.3 3.5



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: 3.80 ng

RT: 25.72 min Scan# 3813

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

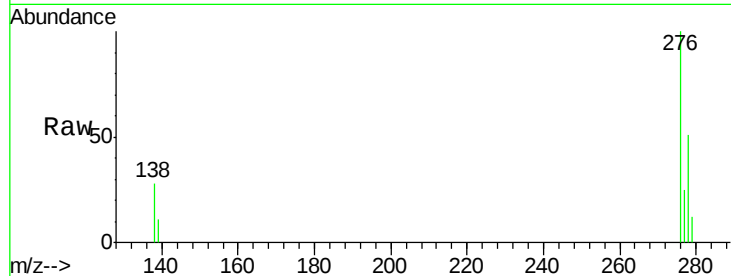
Tot Ion:276 Resp: 280819

Ion Ratio Lower Upper

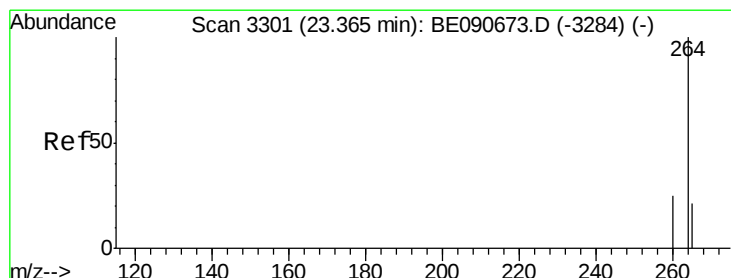
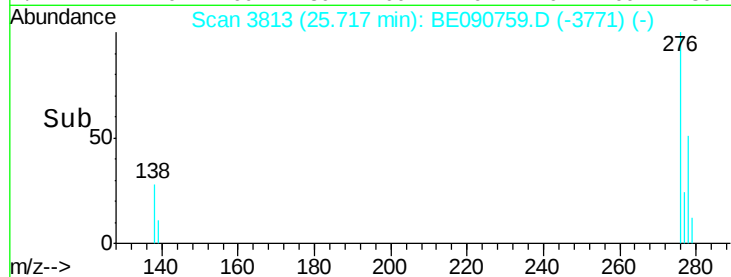
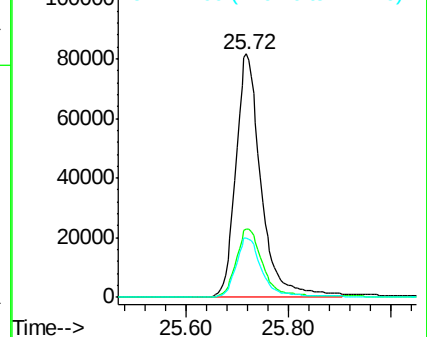
276 100

138 29.8 23.3 34.9

277 25.1 19.8 29.6



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: 23.36 min Scan# 3298

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

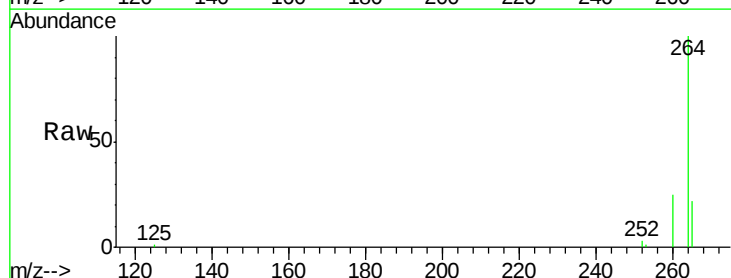
Tgt Ion:264 Resp: 274718

Ion Ratio Lower Upper

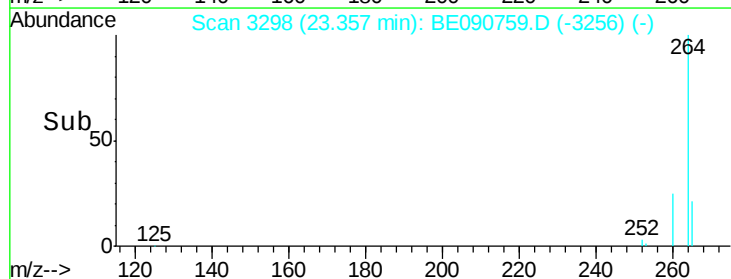
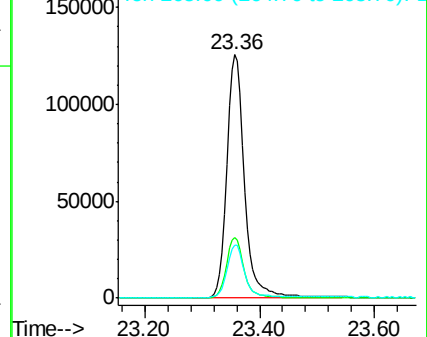
264 100

260 25.0 19.7 29.5

265 21.8 17.5 26.3



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: 4.07 ng

RT: 22.66 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

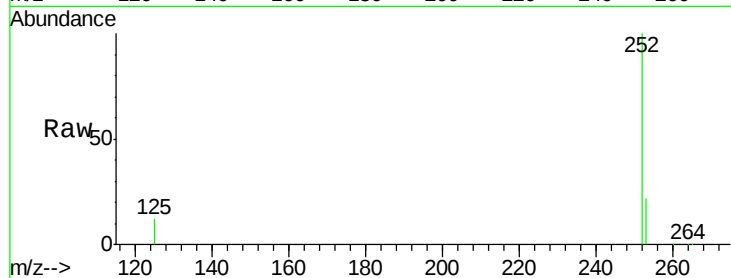
Tot Ion:252 Resp: 242418

Ion Ratio Lower Upper

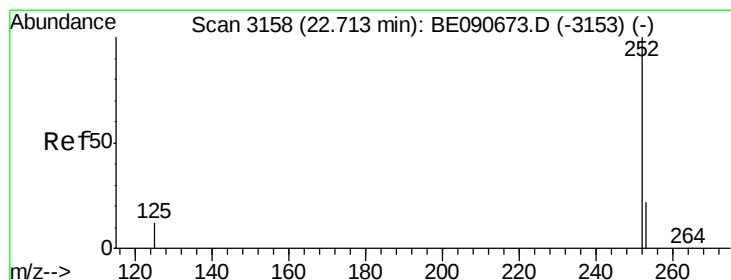
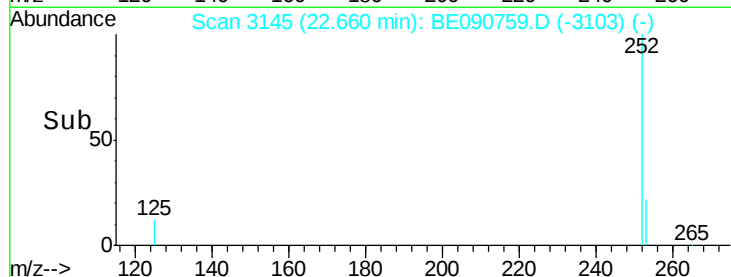
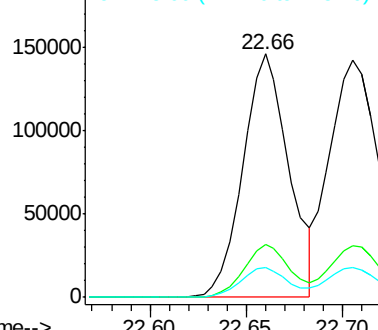
252 100

253 21.9 17.9 26.9

125 12.5 10.6 16.0



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: 4.00 ng

RT: 22.71 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

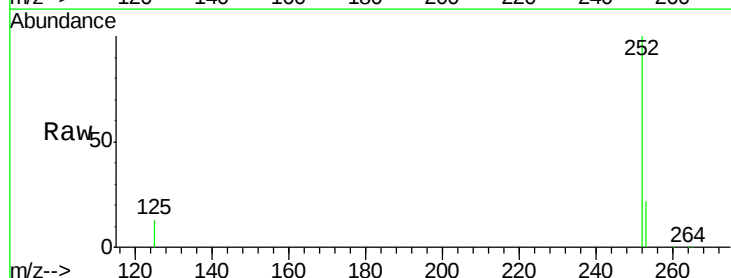
Tgt Ion:252 Resp: 277680

Ion Ratio Lower Upper

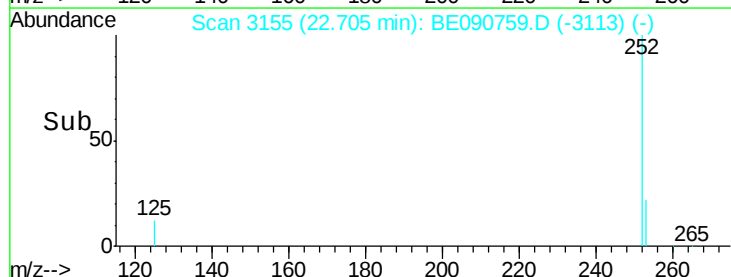
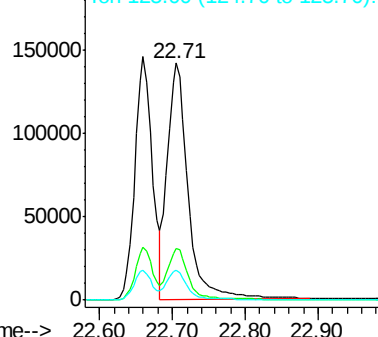
252 100

253 21.9 17.9 26.9

125 12.6 10.1 15.1



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: 4.25 ng

RT: 23.25 min Scan# 3275

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

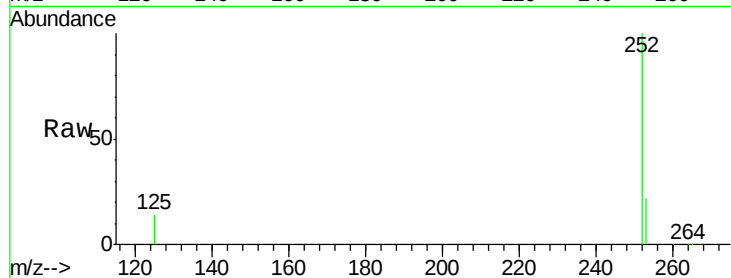
Tot Ion:252 Resp: 226490

Ion Ratio Lower Upper

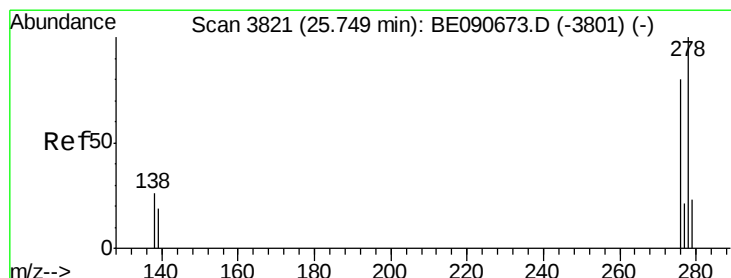
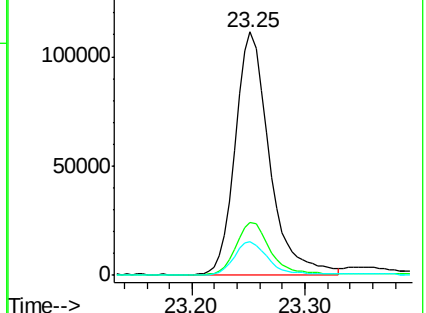
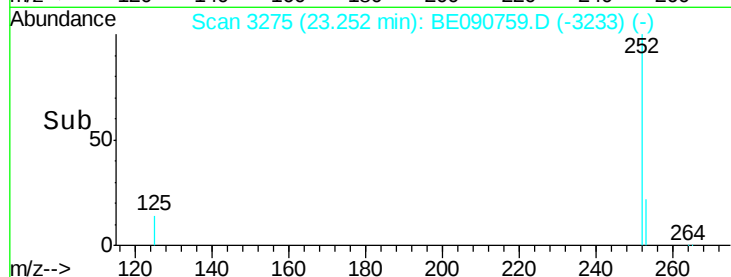
252 100

253 21.7 17.5 26.3

125 13.9 11.6 17.4



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: 3.60 ng

RT: 25.74 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

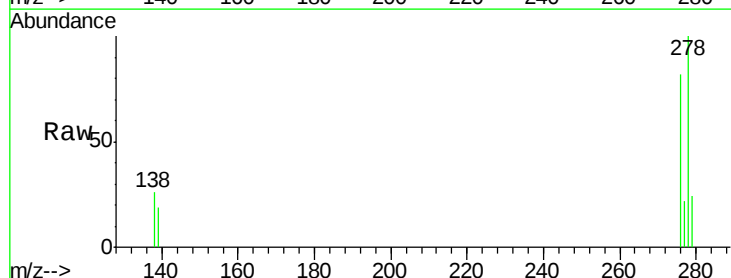
Tgt Ion:278 Resp: 231384

Ion Ratio Lower Upper

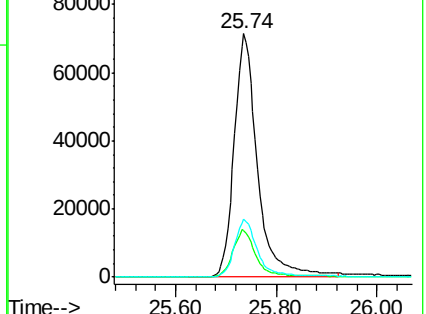
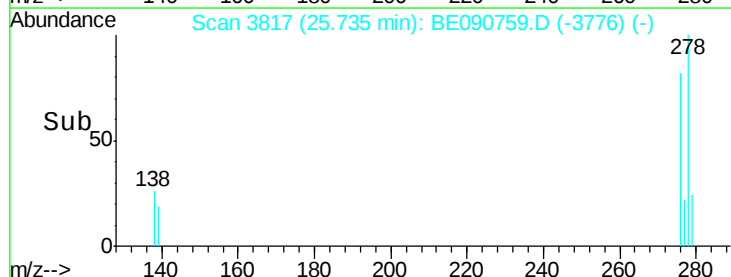
278 100

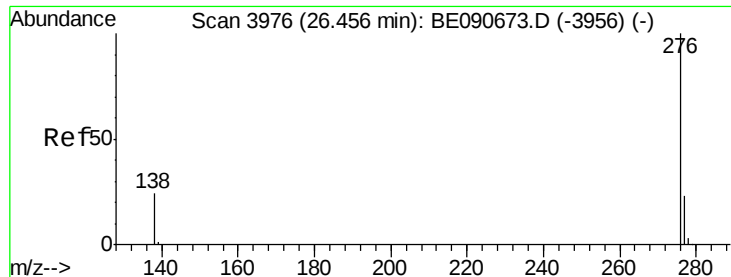
139 19.2 15.4 23.0

279 23.8 18.8 28.2



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: 3.92 ng

RT: 26.44 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BE090759.D

Acq: 10 Sep 2015 13:50

Instrument :

BNA_E

ClientSampleId :

PB85478BS

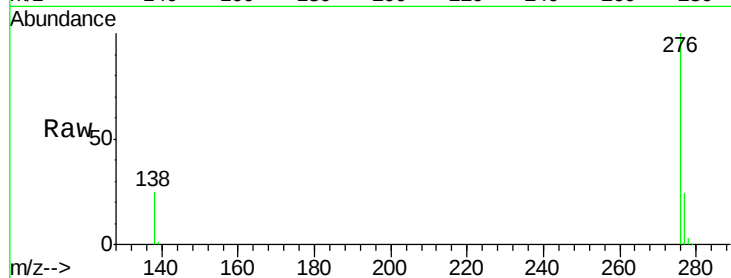
Tot Ion: 276 Resp: 240191

Ion Ratio Lower Upper

276 100

277 23.7 18.5 27.7

138 25.5 20.1 30.1



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

