

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090115\
 Data File : BE090684.D
 Acq On : 2 Sep 2015 1:59
 Operator : UM/IZ
 Sample : PB85250BSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85250BSD

Quant Time: Sep 02 12:17:40 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

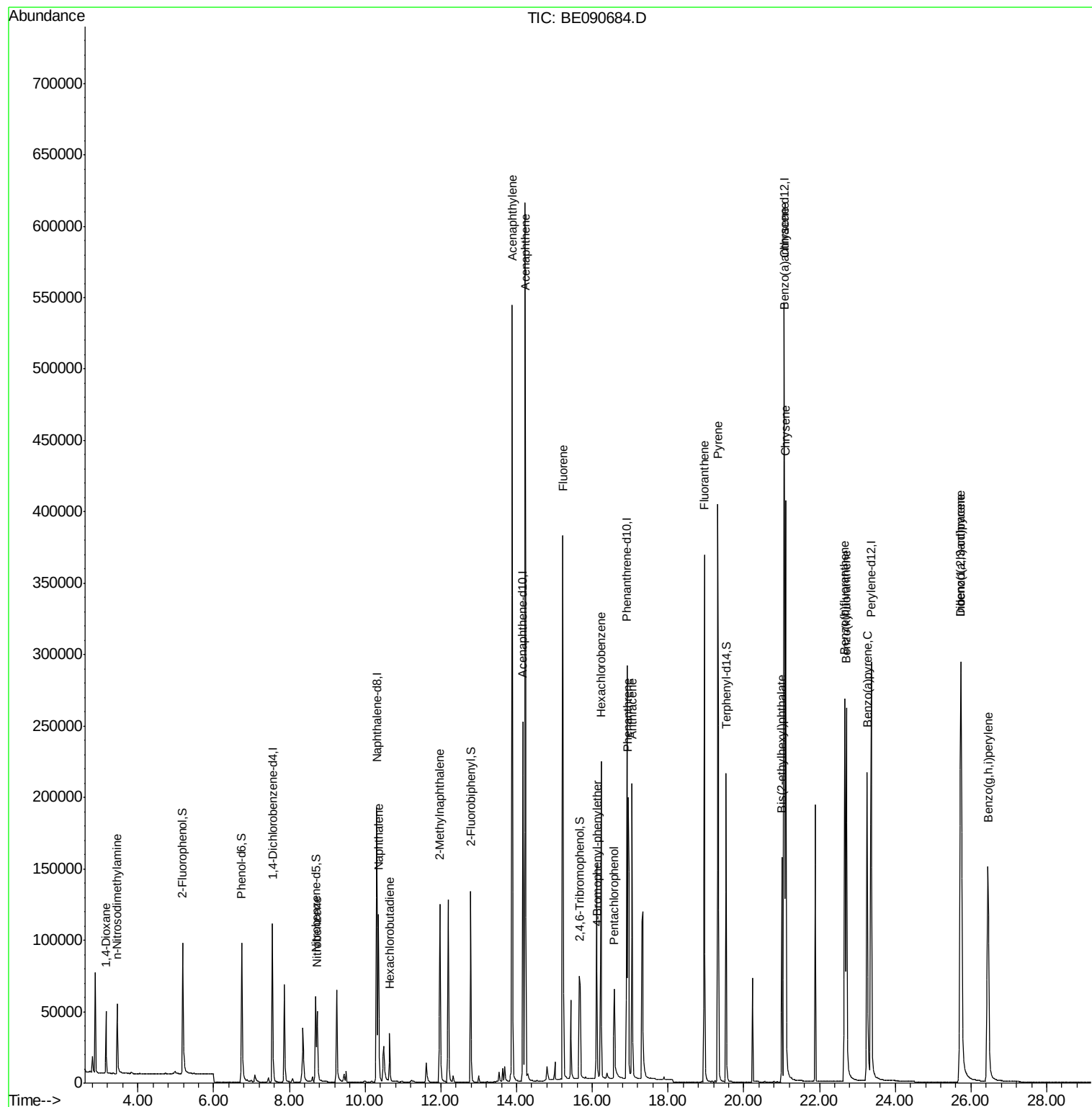
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	56304	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	262077	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	142813	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	340952	5.00	ng	0.00
25) Chrysene-d12	21.07	240	439433	5.00	ng	0.00
32) Perylene-d12	23.36	264	403388	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	82281	7.50	ng	0.00
5) Phenol-d6	6.74	99	125879	8.03	ng	-0.01
7) Nitrobenzene-d5	8.69	82	62983	3.64	ng	-0.01
13) 2,4,6-Tribromophenol	15.67	330	37964	9.03	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	125942	3.18	ng	-0.01
27) Terphenyl-d14	19.53	244	232441	4.78	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.15	88	22038	2.94	ng	98
3) n-Nitrosodimethylamine	3.45	42	29091	2.88	ng	# 93
8) Nitrobenzene	8.73	77	62656	2.99	ng	98
9) Naphthalene	10.35	128	161219	2.82	ng	100
10) Hexachlorobutadiene	10.65	225	23840	2.67	ng	99
11) 2-Methylnaphthalene	11.98	142	103408	3.34	ng	98
15) Acenaphthylene	13.89	152	724594	3.17	ng	100
16) Acenaphthene	14.23	154	114169	2.99	ng	91
17) Fluorene	15.22	166	152947	3.22	ng	96
19) 4-Bromophenyl-phenylether	16.13	248	38683	3.33	ng	98
20) Hexachlorobenzene	16.23	284	192772	3.44	ng	97
21) Pentachlorophenol	16.58	266	38054	8.04	ng	96
22) Phenanthrene	16.94	178	272612	3.23	ng	99
23) Anthracene	17.05	178	263102	3.73	ng	100
24) Fluoranthene	18.96	202	322768	3.63	ng	99
26) Pyrene	19.32	202	361561	3.98	ng	99
28) Benzo(a)anthracene	21.05	228	355330	3.69	ng	98
29) Chrysene	21.11	228	363505	3.56	ng	99
30) Bis(2-ethylhexyl)phthalate	21.00	149	138652	4.33	ng	99
31) Indeno(1,2,3-cd)pyrene	25.72	276	392137	3.78	ng	98
33) Benzo(b)fluoranthene	22.66	252	336743	3.85	ng	98
34) Benzo(k)fluoranthene	22.71	252	367102	3.60	ng	99
35) Benzo(a)pyrene	23.26	252	316026	4.04	ng	99
36) Dibenzo(a,h)anthracene	25.74	278	324727	3.45	ng	99
37) Benzo(g,h,i)perylene	26.45	276	333951	3.71	ng	98

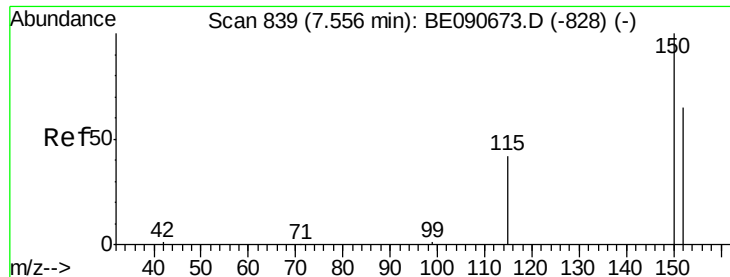
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 11:40:50 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

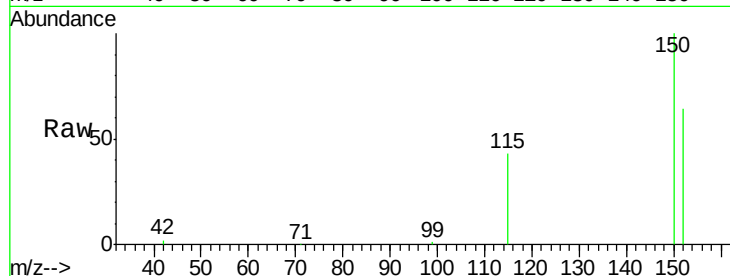
Tgt Ion:152 Resp: 56304

Ion Ratio Lower Upper

152 100

150 156.6 122.2 183.4

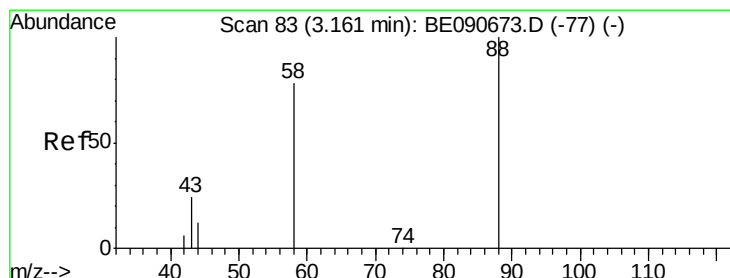
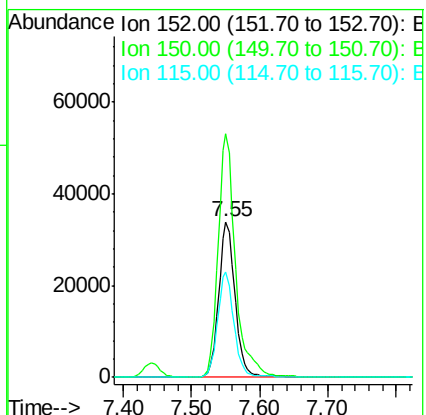
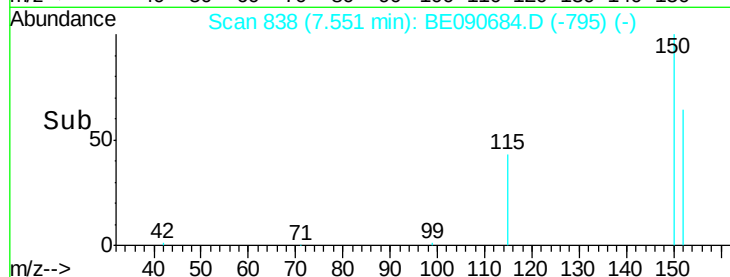
115 67.6 51.0 76.4



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: 2.94 ng

RT: 3.15 min Scan# 82

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

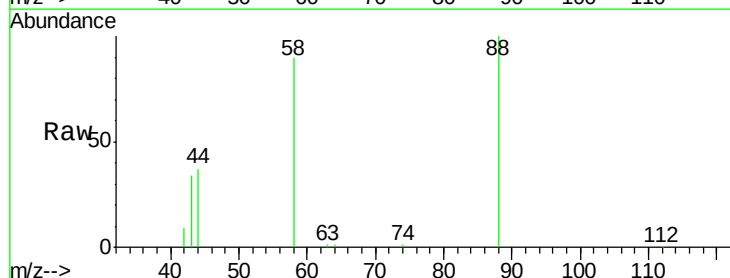
Tgt Ion: 88 Resp: 22038

Ion Ratio Lower Upper

88 100

58 88.6 68.4 102.6

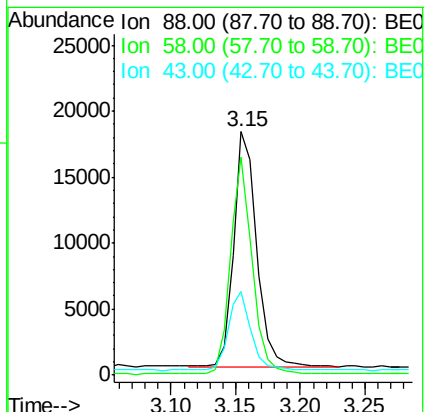
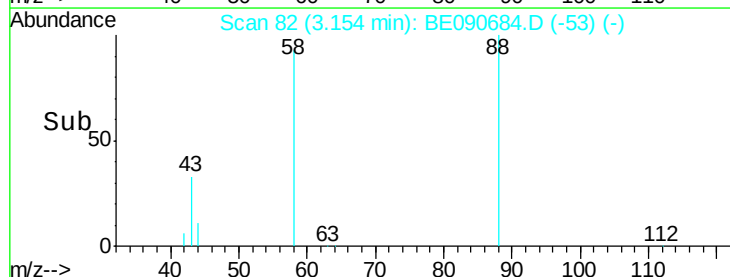
43 33.5 26.9 40.3

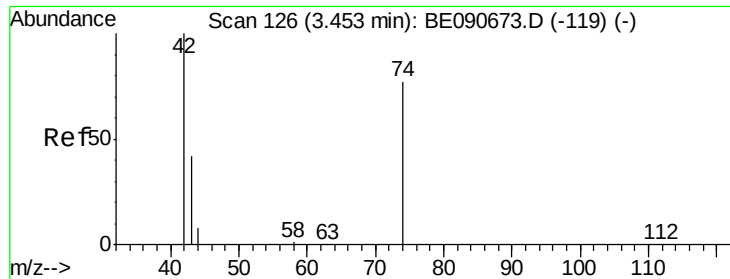


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 2.88 ng

RT: 3.45 min Scan# 126

Delta R.T. 0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

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PB85250BSD

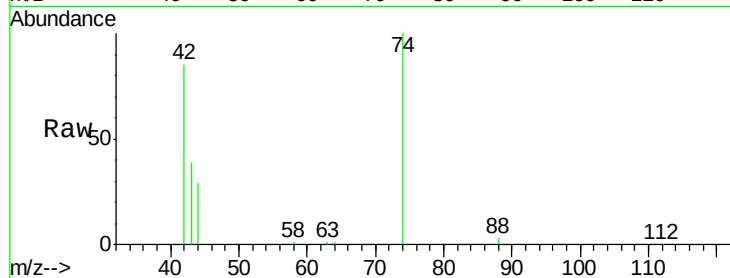
Tgt Ion: 42 Resp: 29091

Ion Ratio Lower Upper

42 100

74 111.0 83.7 125.5

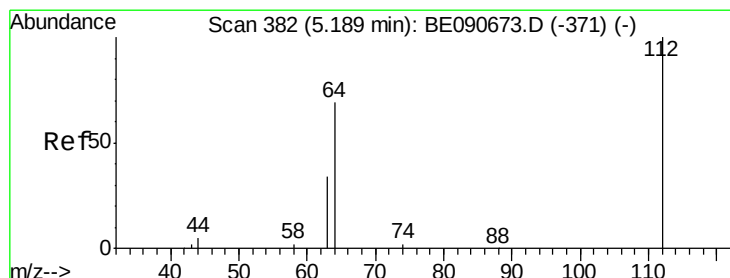
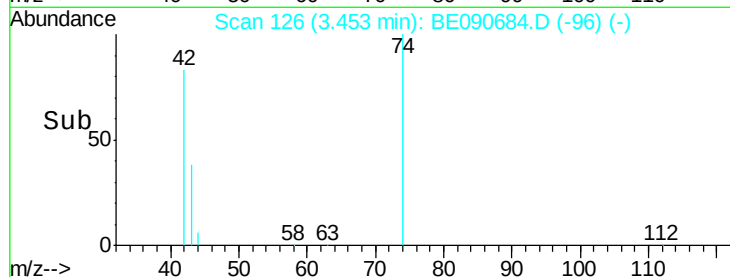
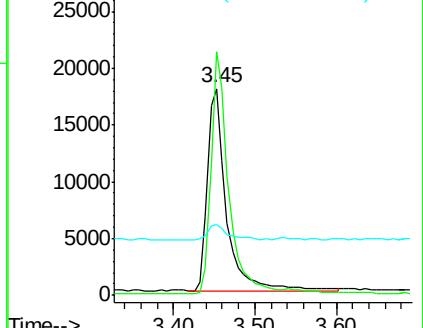
44 8.7 10.0 15.0#



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: 7.50 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

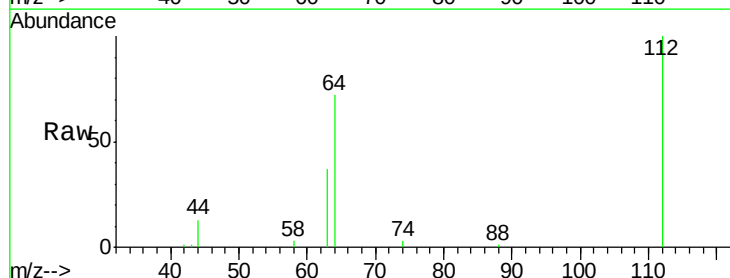
Tgt Ion: 112 Resp: 82281

Ion Ratio Lower Upper

112 100

64 70.9 57.3 85.9

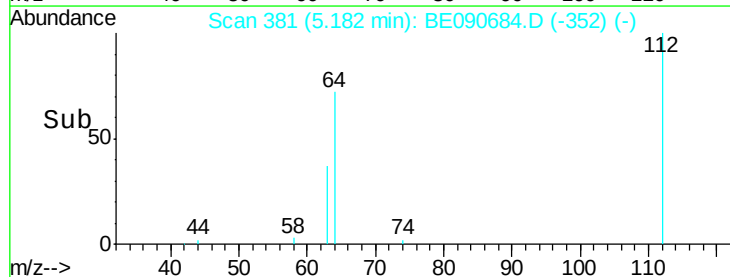
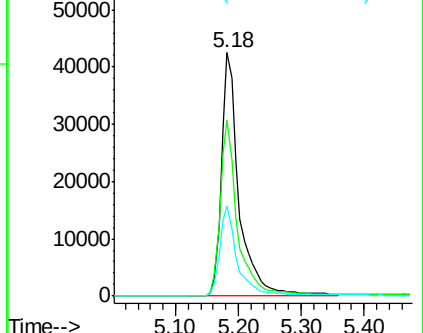
63 36.4 29.2 43.8

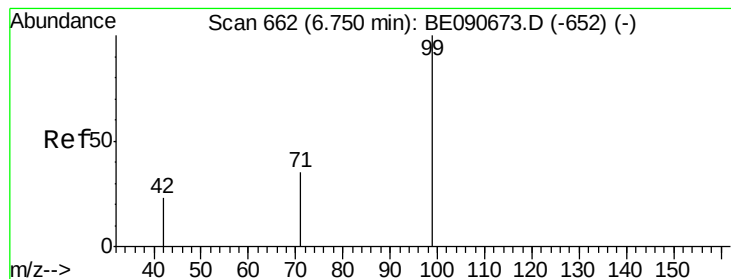


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.03 ng

RT: 6.74 min Scan# 660

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

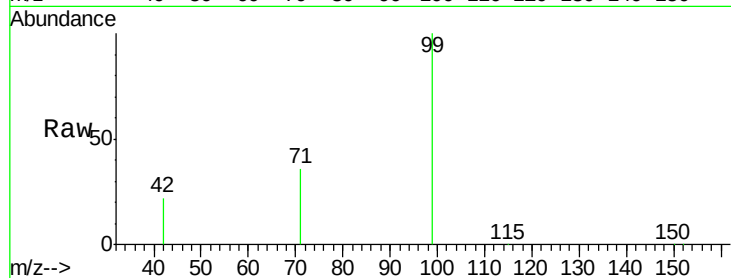
Tgt Ion: 99 Resp: 125879

Ion Ratio Lower Upper

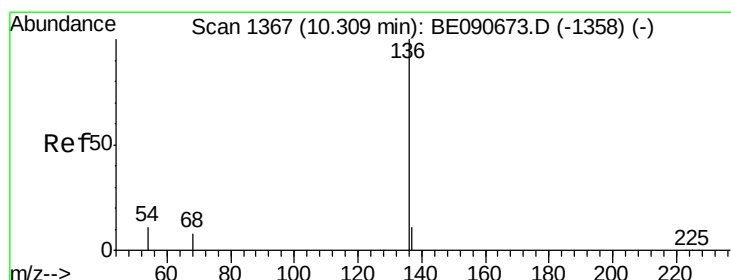
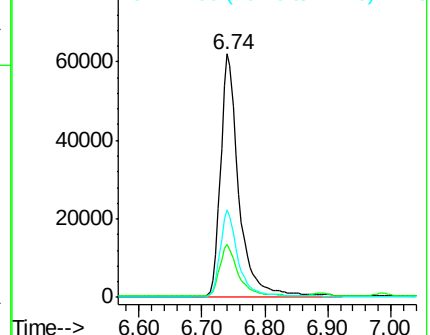
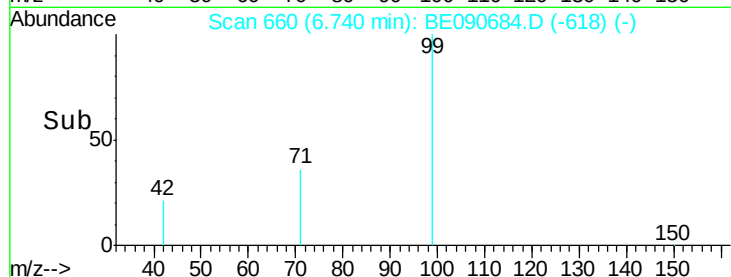
99 100

42 21.6 16.8 25.2

71 35.6 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE090684.D (-618) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Tgt Ion: 136 Resp: 262077

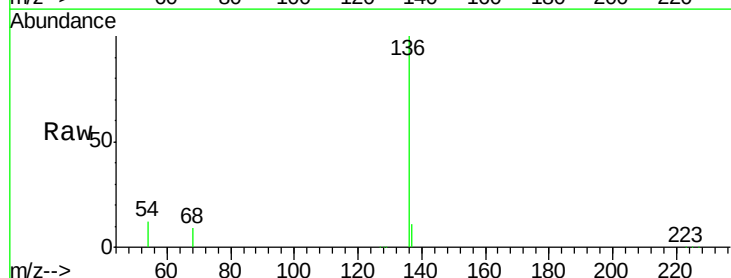
Ion Ratio Lower Upper

136 100

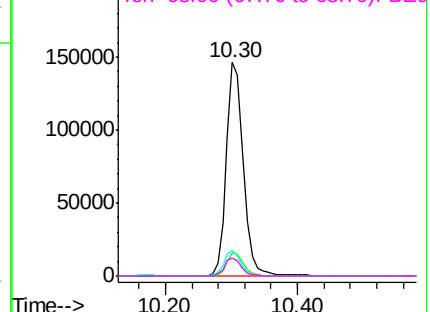
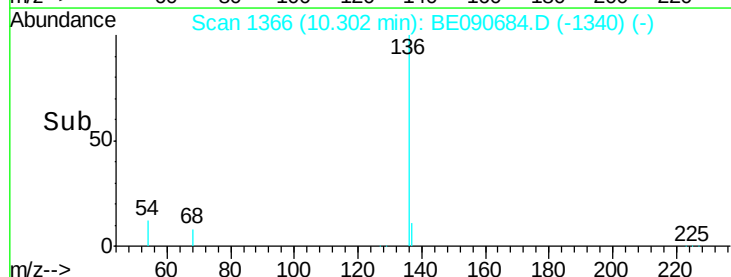
137 11.0 8.7 13.1

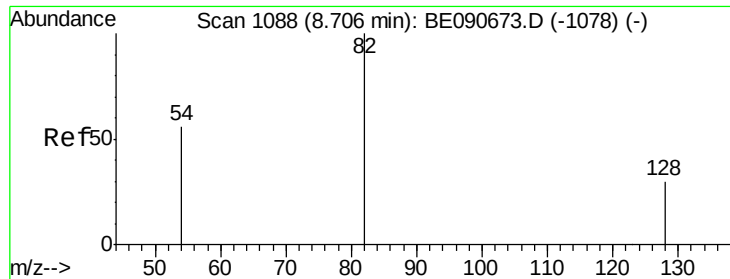
54 12.1 9.0 13.6

68 8.5 6.3 9.5



Abundance Ion 136.00 (135.70 to 136.70): BE090684.D (-1340) (-)





#7

Nitrobenzene-d5

Concen: 3.64 ng

RT: 8.69 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

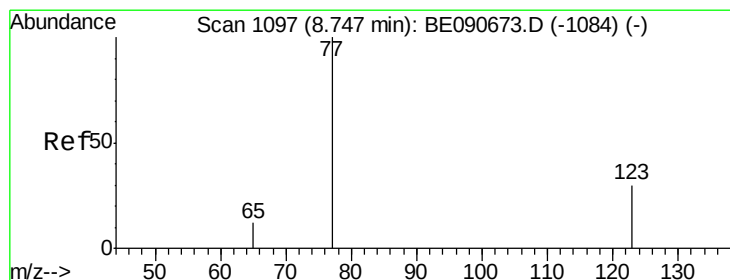
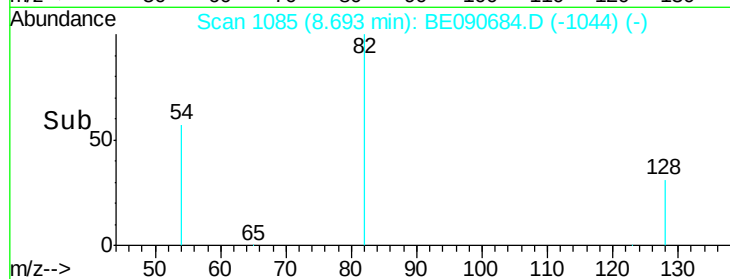
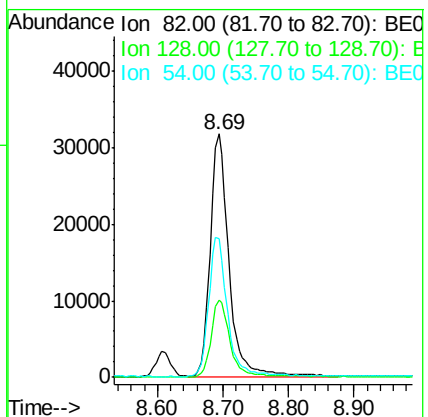
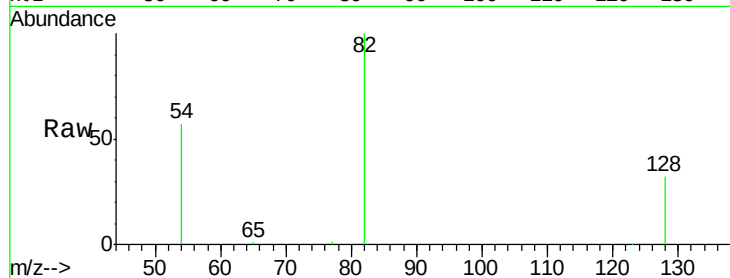
Tgt Ion: 82 Resp: 62983

Ion Ratio Lower Upper

82 100

128 31.5 25.0 37.4

54 57.1 46.3 69.5



#8

Nitrobenzene

Concen: 2.99 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

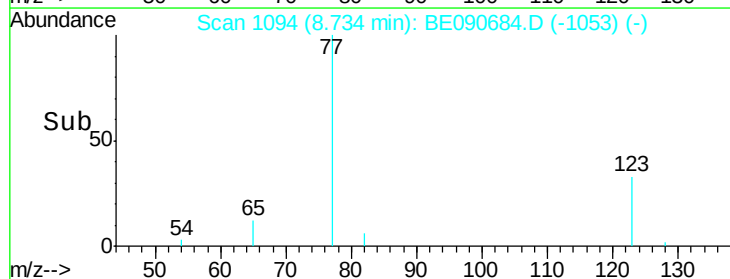
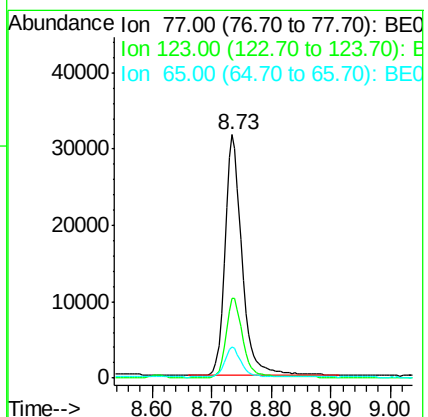
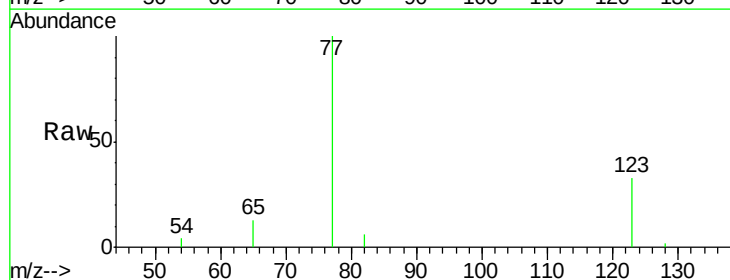
Tgt Ion: 77 Resp: 62656

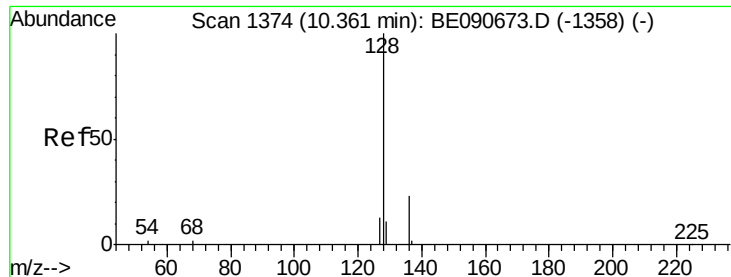
Ion Ratio Lower Upper

77 100

123 33.1 25.1 37.7

65 12.5 9.9 14.9





#9

Naphthalene

Concen: 2.82 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

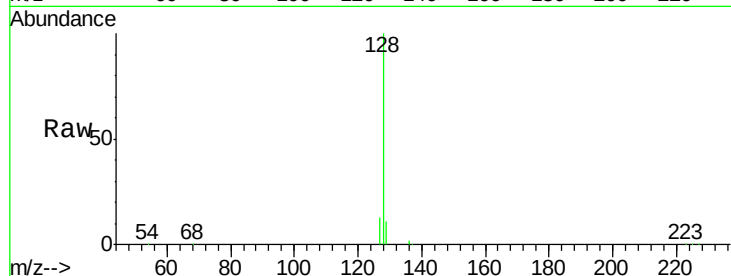
Tgt Ion:128 Resp: 161219

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

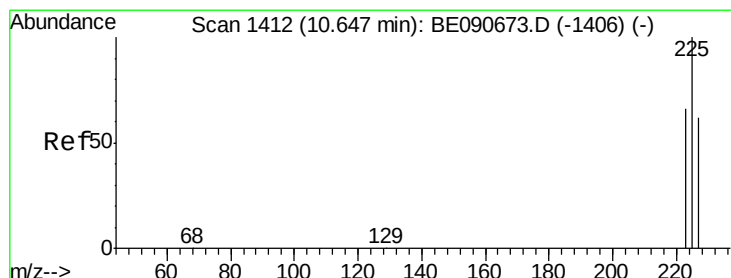
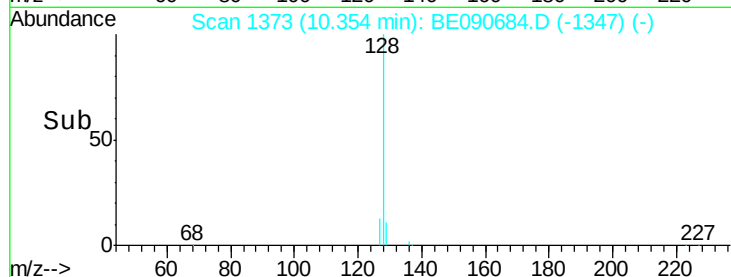
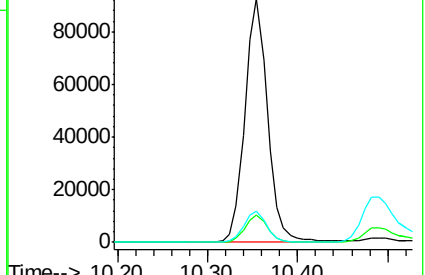
127 12.9 10.6 15.8



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: 2.67 ng

RT: 10.65 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

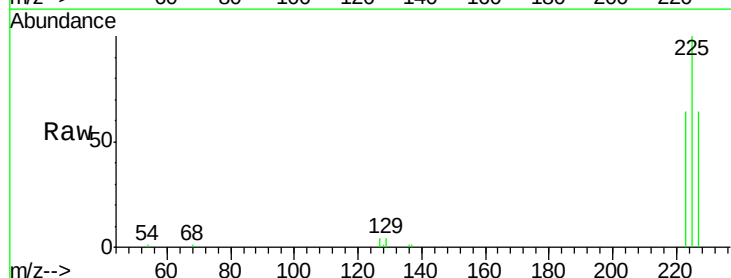
Tgt Ion:225 Resp: 23840

Ion Ratio Lower Upper

225 100

223 64.0 50.6 76.0

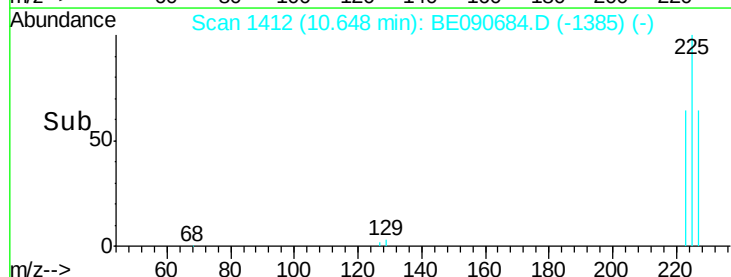
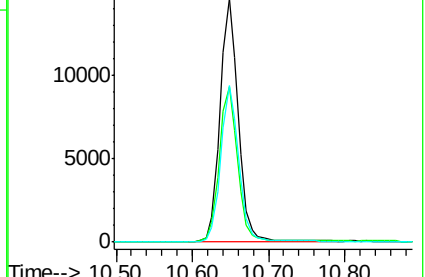
227 63.5 51.0 76.6

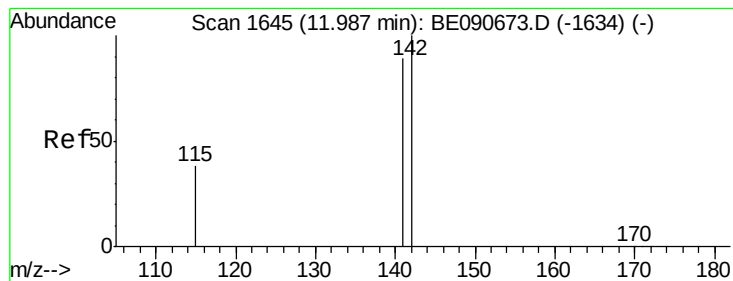


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.34 ng

RT: 11.98 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

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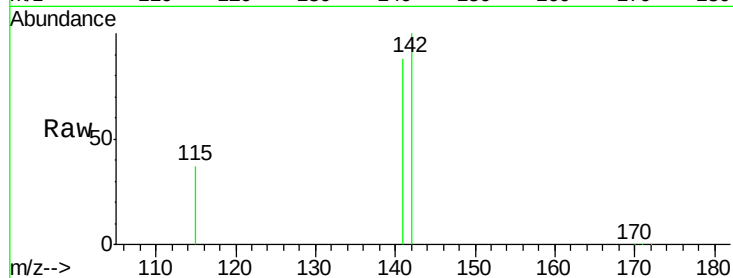
Tgt Ion:142 Resp: 103408

Ion Ratio Lower Upper

142 100

141 88.1 71.4 107.2

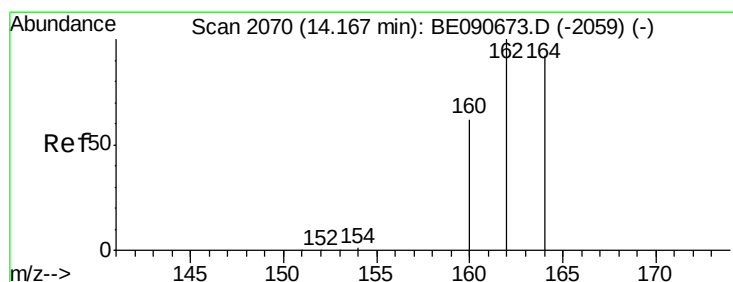
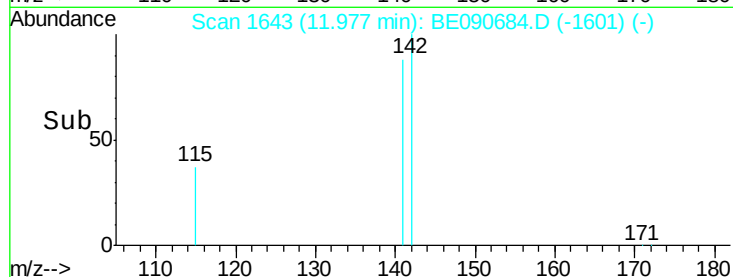
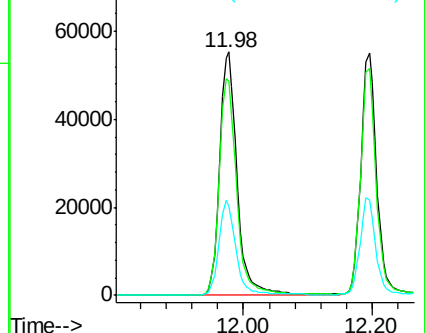
115 36.6 31.0 46.4



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: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

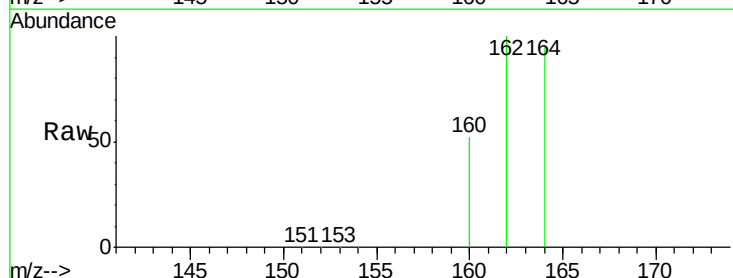
Tgt Ion:164 Resp: 142813

Ion Ratio Lower Upper

164 100

162 105.4 86.8 130.2

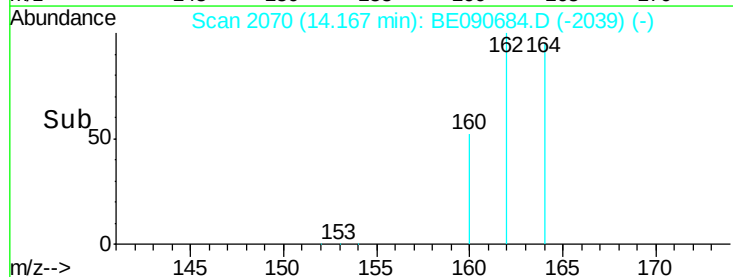
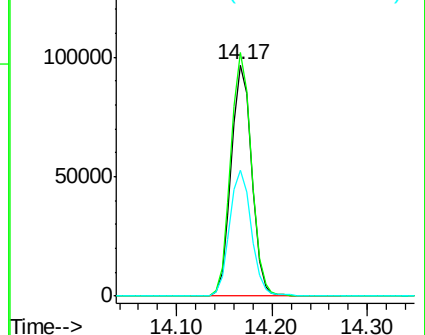
160 54.7 53.9 80.9

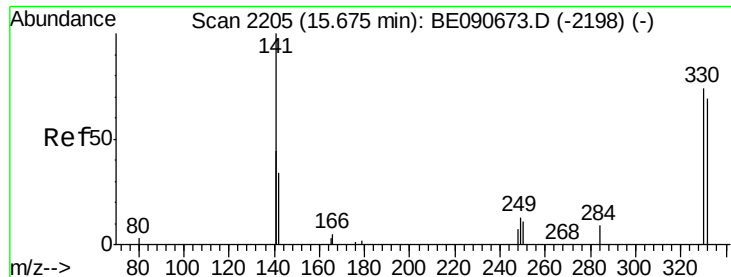


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

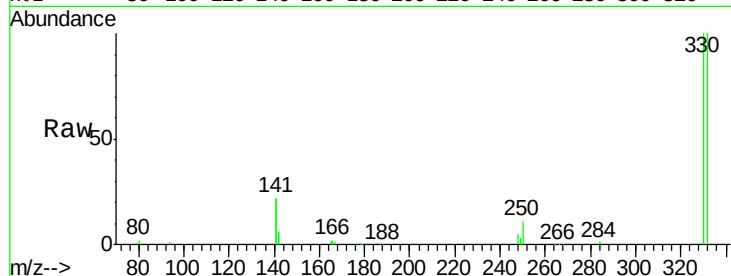




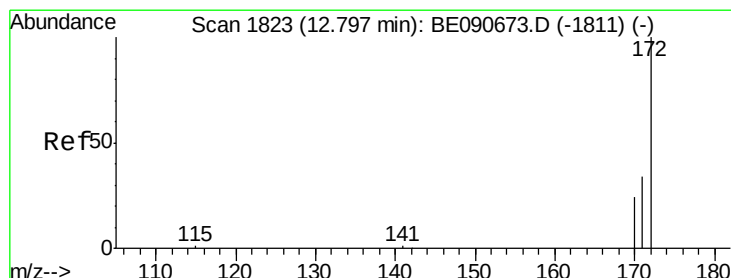
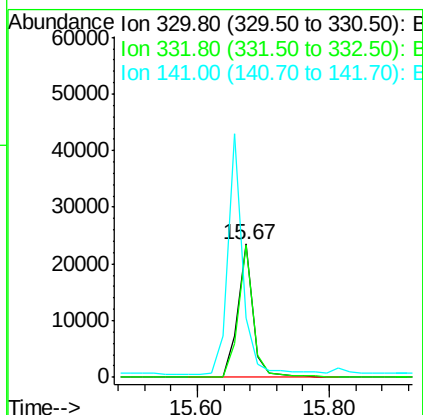
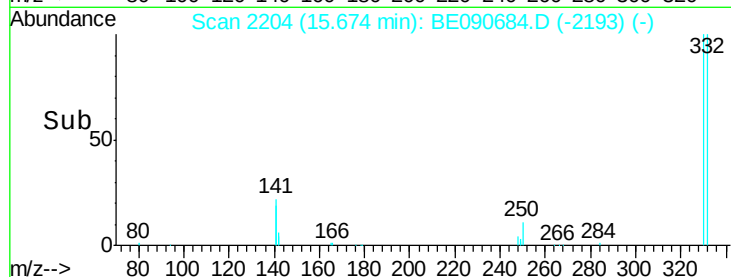
#13
 2,4,6-Tribromophenol
 Concen: 9.03 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090684.D
 Acq: 2 Sep 2015 1:59

Instrument :
 BNA_E
 ClientSampleId :
 PB85250BSD

Tgt Ion:330 Resp: 37964
 Ion Ratio Lower Upper
 330 100
 332 96.8 74.9 112.3
 141 174.5 145.2 217.8

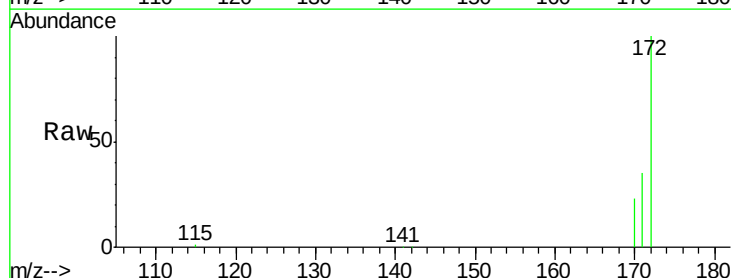


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

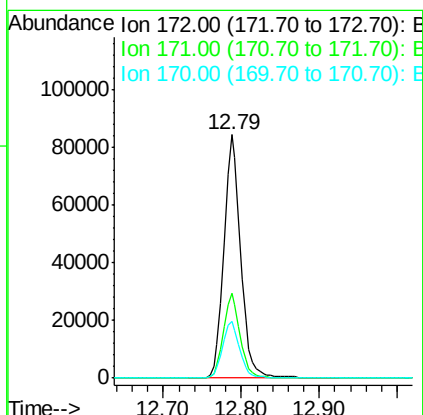
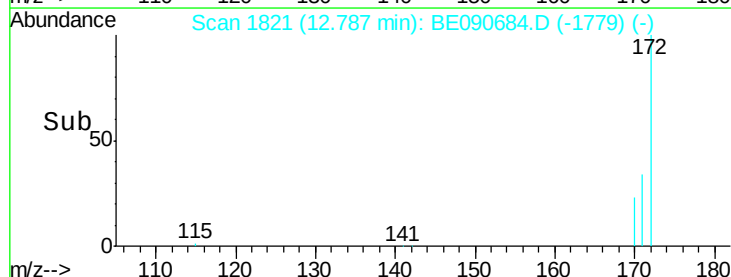


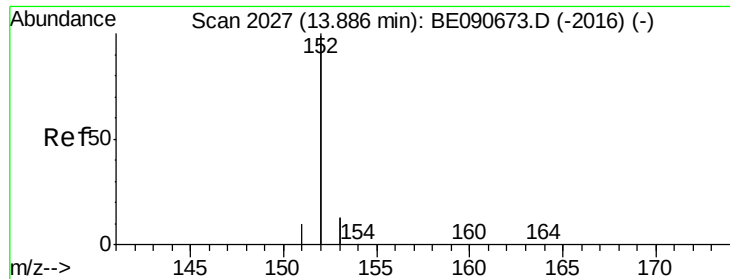
#14
 2-Fluorobiphenyl
 Concen: 3.18 ng
 RT: 12.79 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BE090684.D
 Acq: 2 Sep 2015 1:59

Tgt Ion:172 Resp: 125942
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.8 41.8
 170 23.4 19.8 29.6



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





#15

Acenaphthylene

Concen: 3.17 ng

RT: 13.89 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

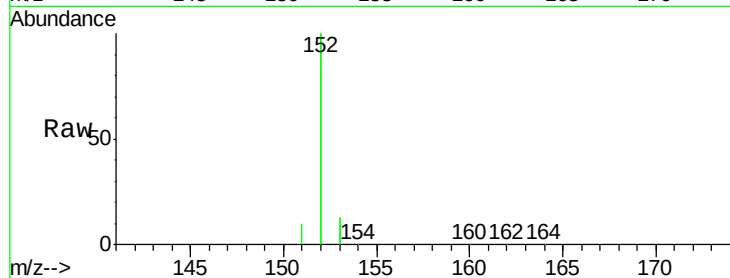
Tgt Ion:152 Resp: 724594

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 12.9 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

600000

500000

400000

300000

200000

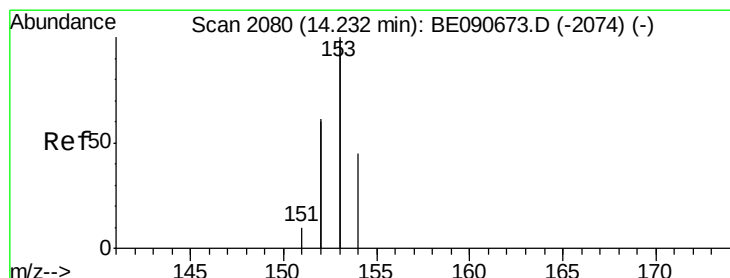
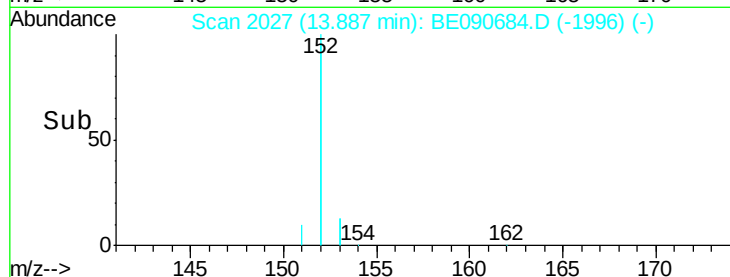
100000

0

13.89

Time-->

13.80 14.00



#16

Acenaphthene

Concen: 2.99 ng

RT: 14.23 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

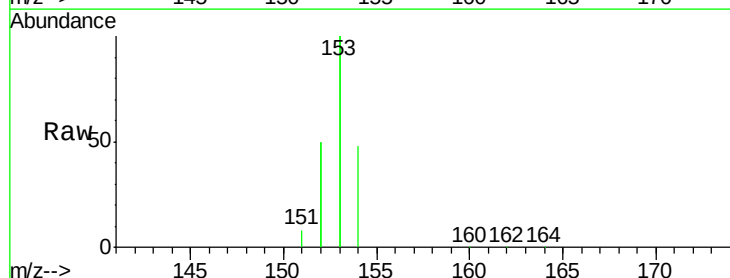
Tgt Ion:154 Resp: 114169

Ion Ratio Lower Upper

154 100

153 441.7 354.5 531.7

152 243.9 227.8 341.6



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

400000

300000

200000

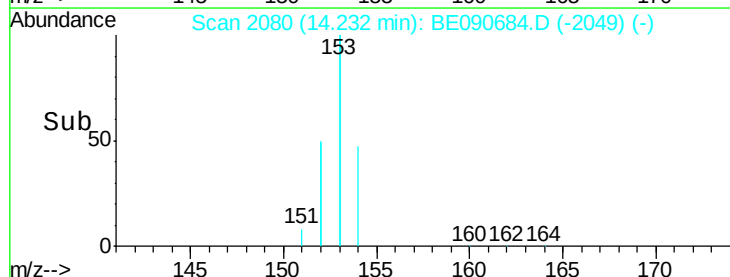
100000

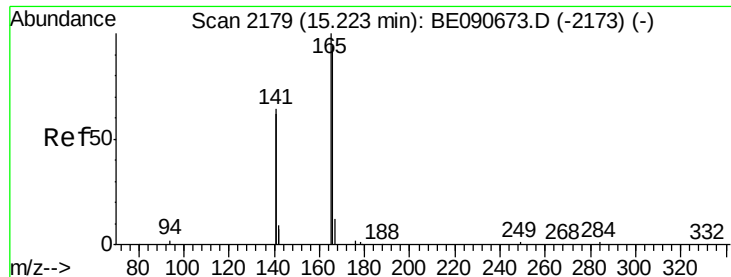
0

14.23

Time-->

14.20 14.25





#17

Fluorene

Concen: 3.22 ng

RT: 15.22 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

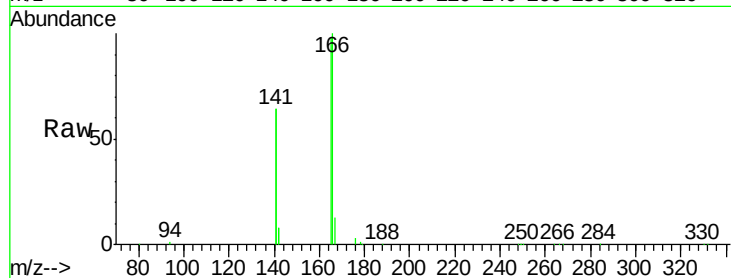
Tgt Ion:166 Resp: 152947

Ion Ratio Lower Upper

166 100

165 99.1 82.7 124.1

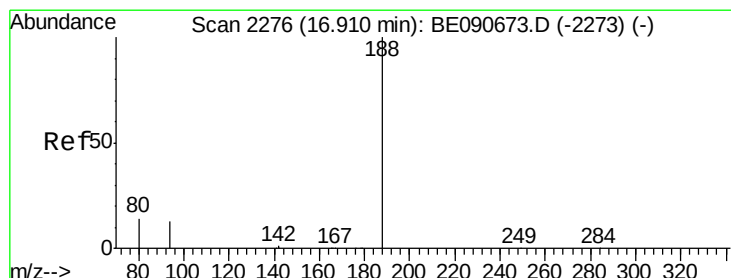
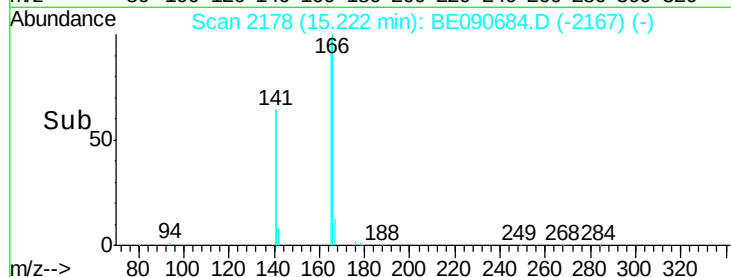
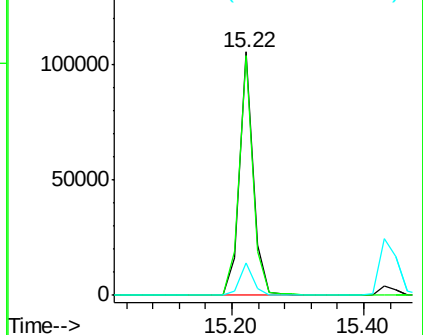
167 13.5 10.7 16.1



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: 16.91 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

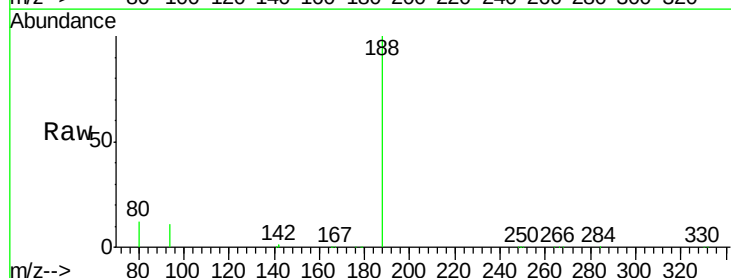
Tgt Ion:188 Resp: 340952

Ion Ratio Lower Upper

188 100

94 11.0 10.3 15.5

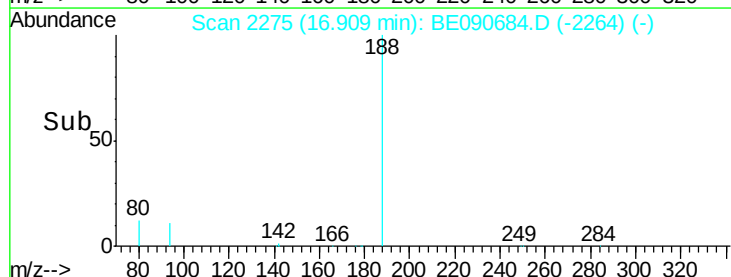
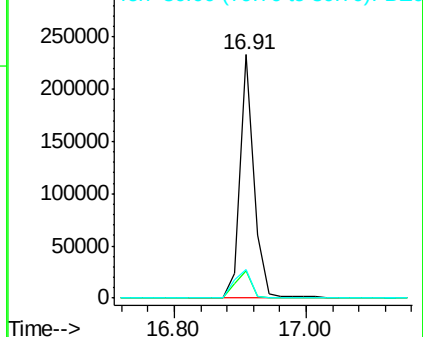
80 11.8 11.0 16.6

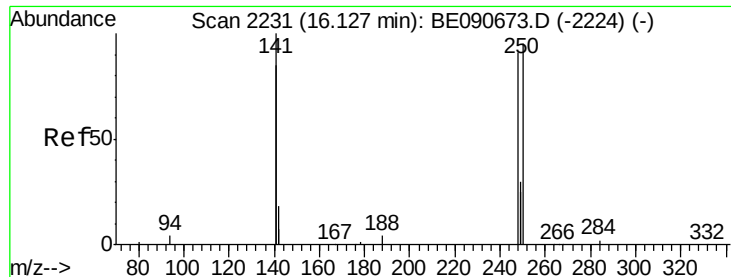


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#19

4-Bromophenyl-phenylether

Concen: 3.33 ng

RT: 16.13 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

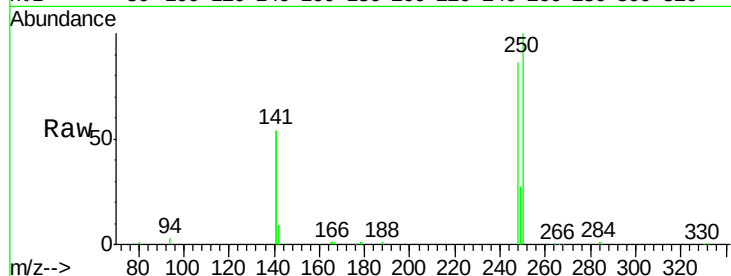
Tgt Ion:248 Resp: 38683

Ion Ratio Lower Upper

248 100

250 97.2 76.7 115.1

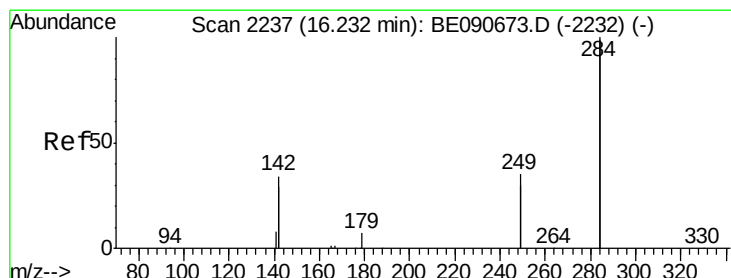
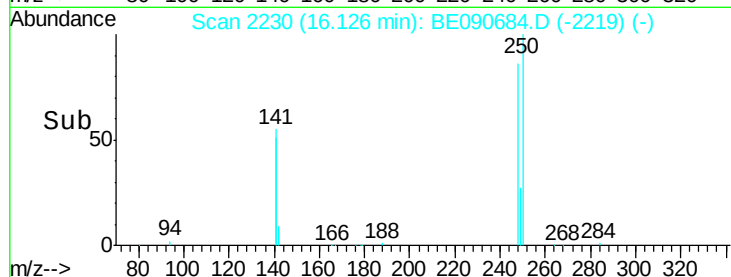
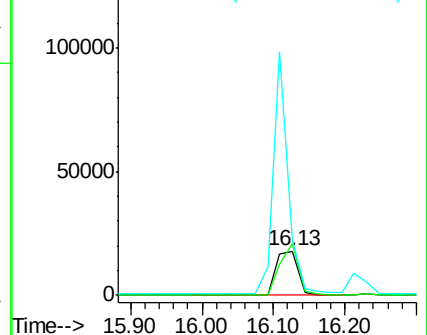
141 362.0 292.6 439.0



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: 3.44 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

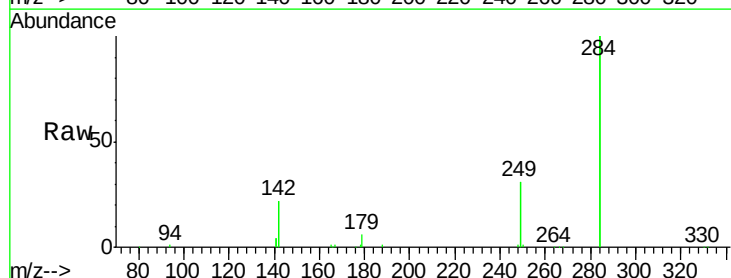
Tgt Ion:284 Resp: 192772

Ion Ratio Lower Upper

284 100

142 40.5 35.0 52.4

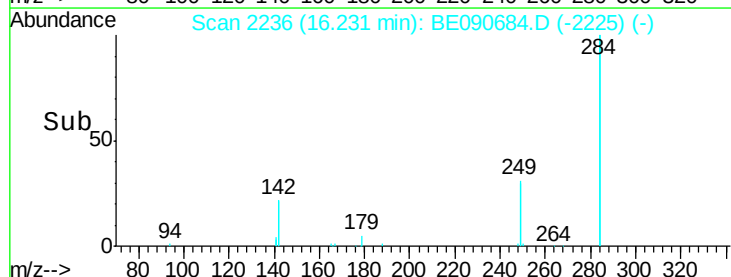
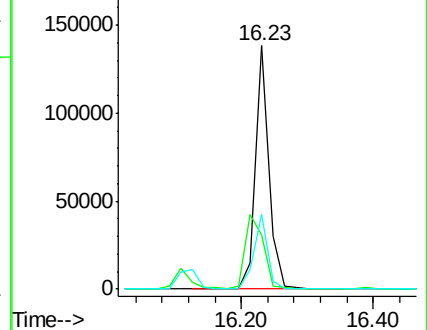
249 31.4 25.5 38.3

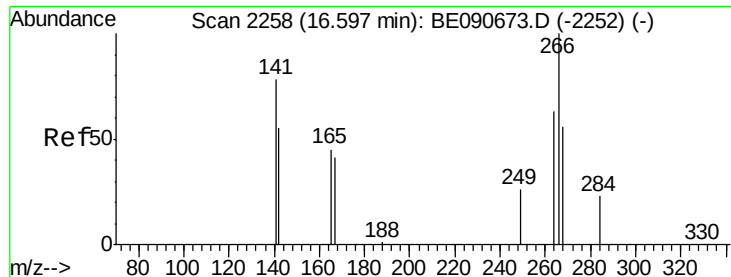


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 8.04 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.02 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

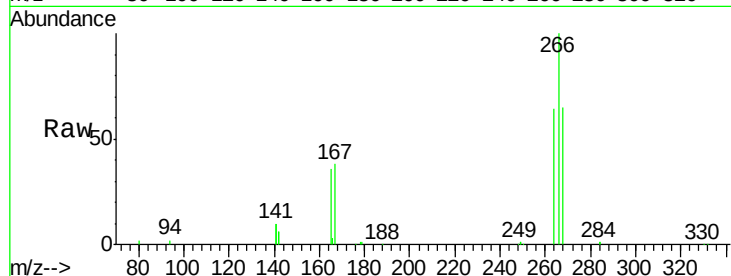
Tgt Ion: 266 Resp: 38054

Ion Ratio Lower Upper

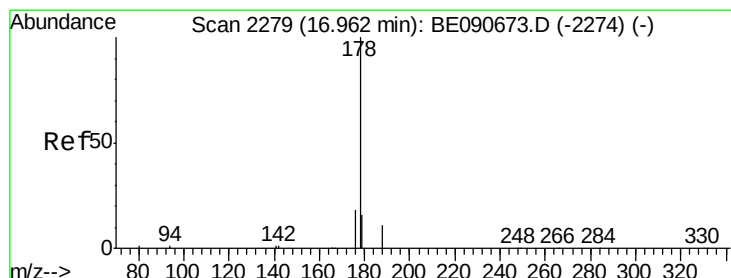
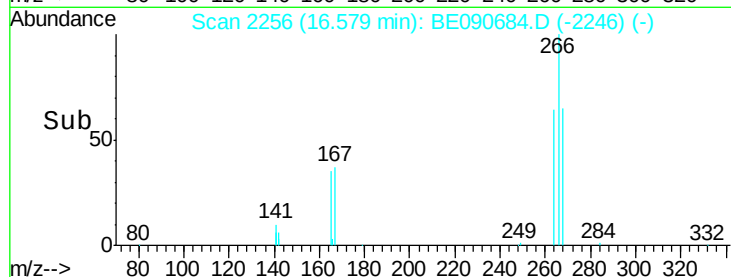
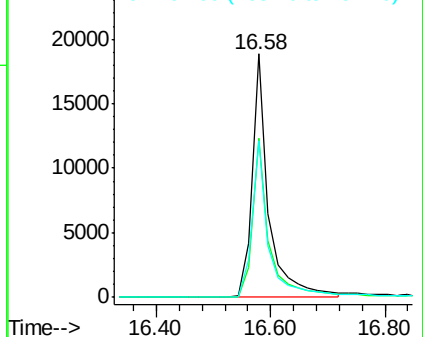
266 100

268 65.1 49.6 74.4

264 64.2 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: 3.23 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

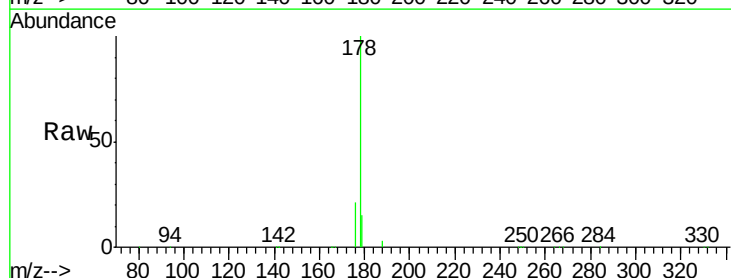
Tgt Ion: 178 Resp: 272612

Ion Ratio Lower Upper

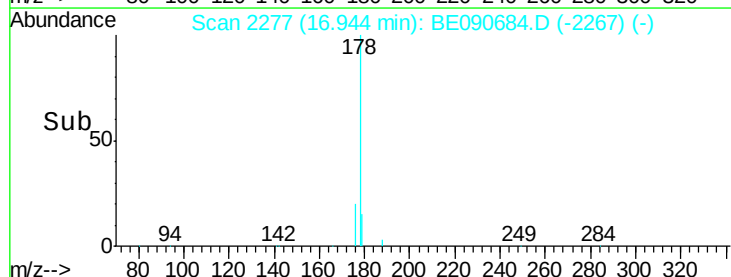
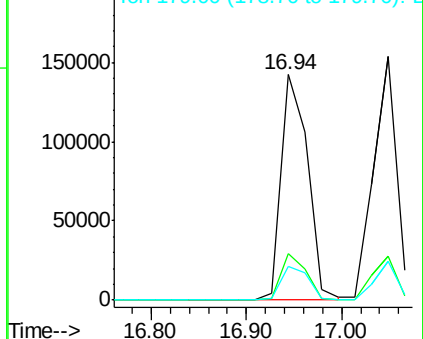
178 100

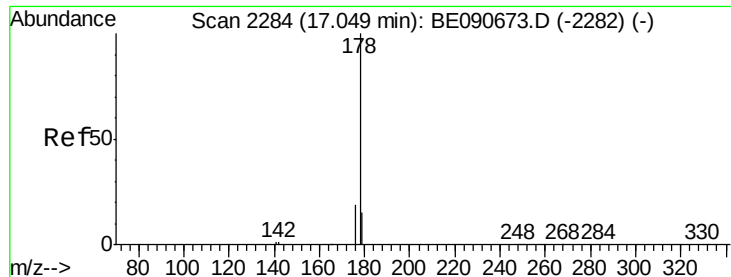
176 19.5 15.6 23.4

179 15.4 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: 3.73 ng

RT: 17.05 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

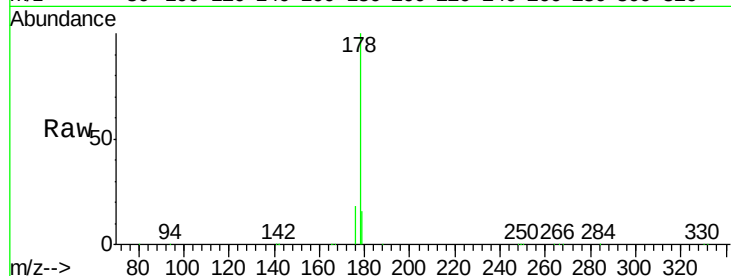
Tgt Ion:178 Resp: 263102

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

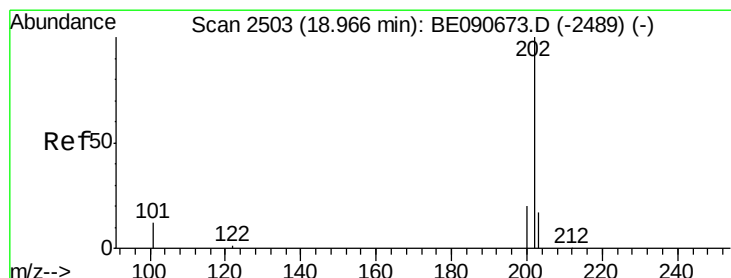
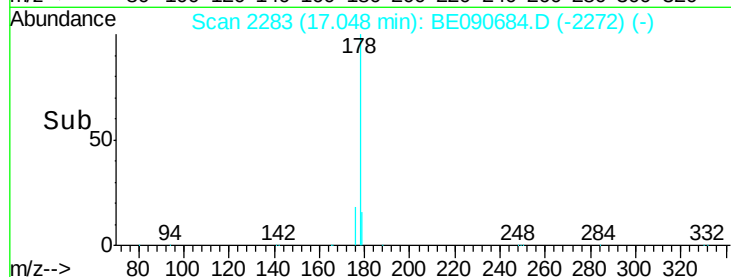
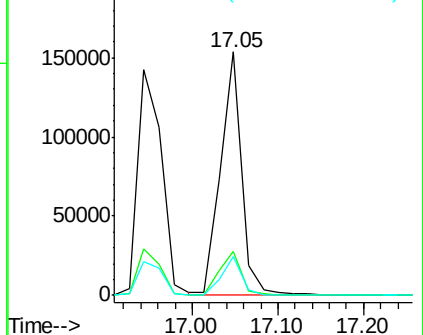
179 15.4 12.3 18.5



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: 3.63 ng

RT: 18.96 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

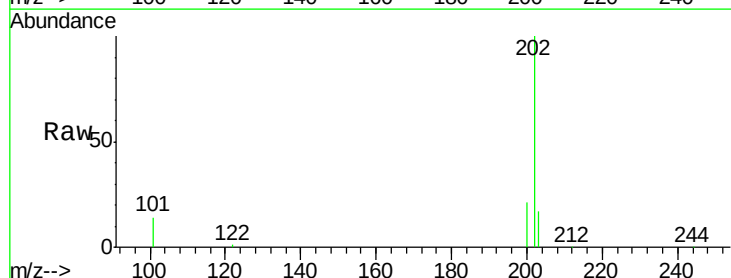
Tgt Ion:202 Resp: 322768

Ion Ratio Lower Upper

202 100

101 14.2 11.0 16.6

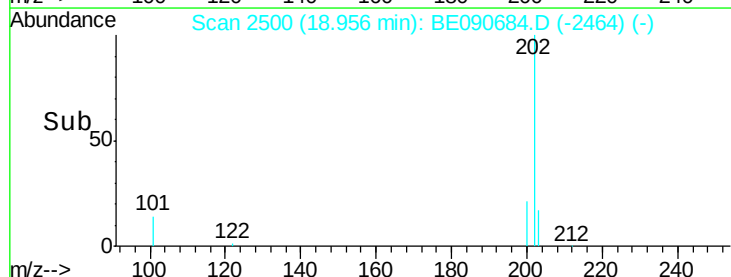
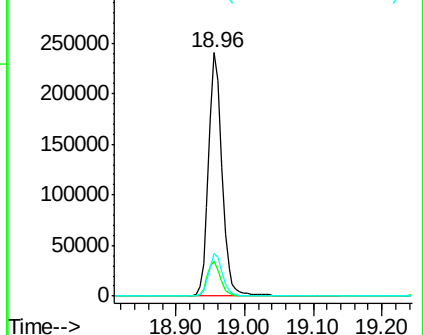
203 17.2 13.9 20.9

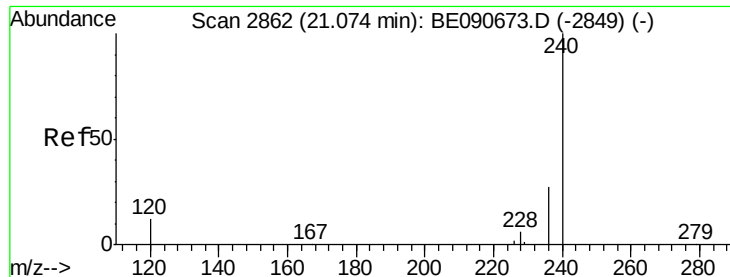


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2861

Delta R.T. 0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

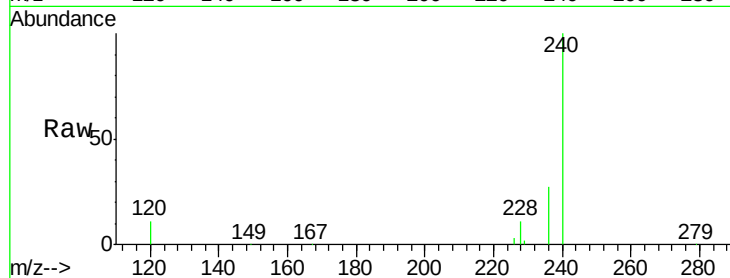
Tgt Ion:240 Resp: 439433

Ion Ratio Lower Upper

240 100

120 11.2 10.1 15.1

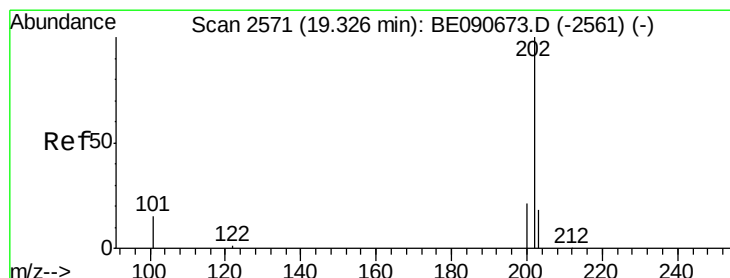
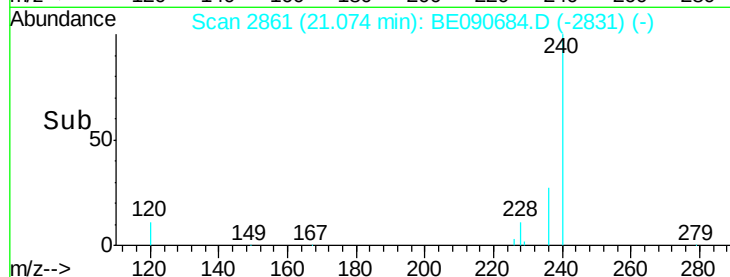
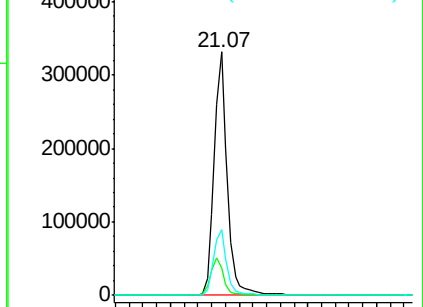
236 26.9 21.9 32.9



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: 3.98 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

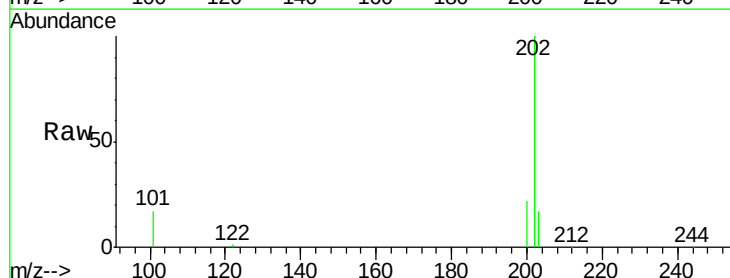
Tgt Ion:202 Resp: 361561

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

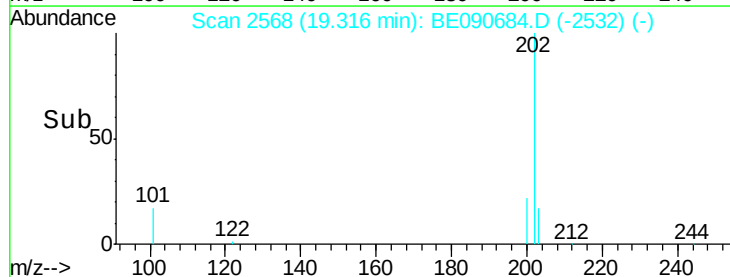
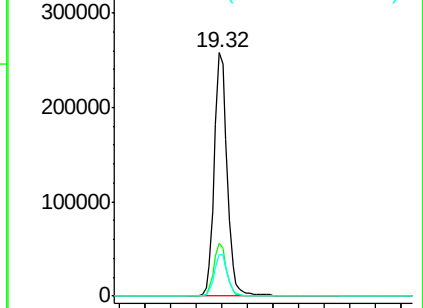
203 18.0 13.8 20.6

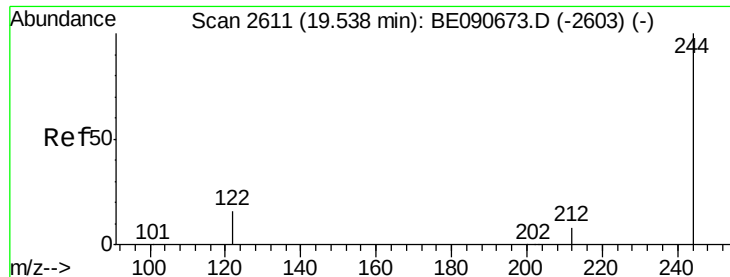


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

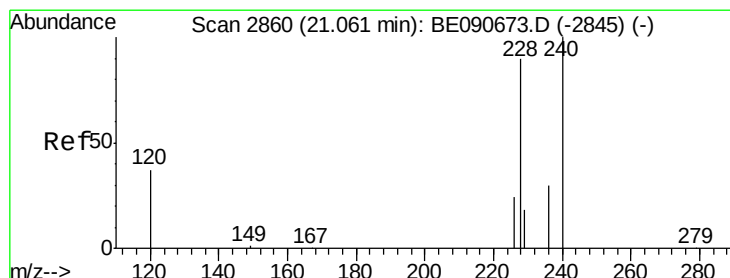
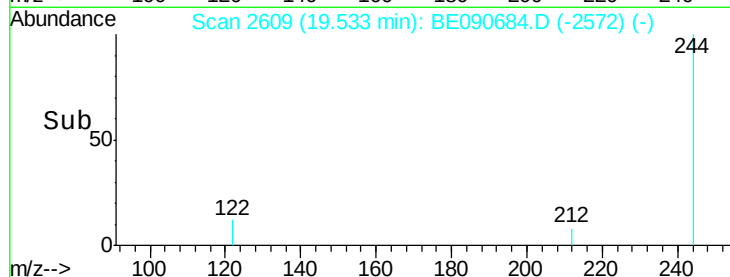
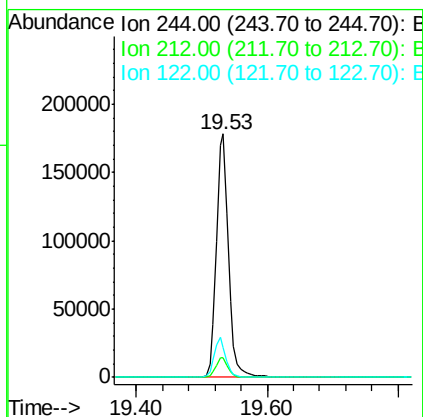
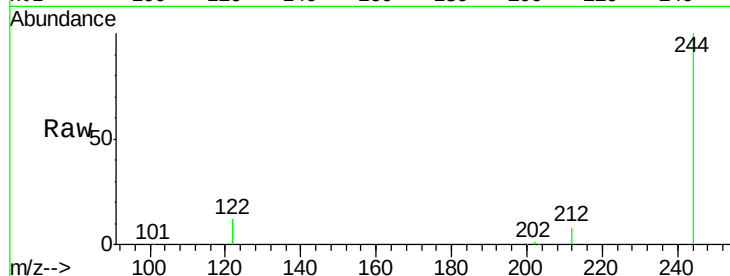




#27
 Terphenyl-d14
 Concen: 4.78 ng
 RT: 19.53 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BE090684.D
 Acq: 2 Sep 2015 1:59

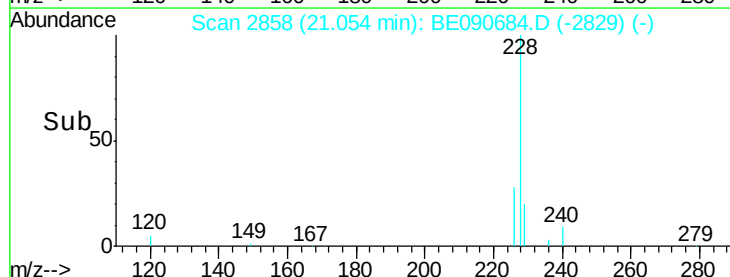
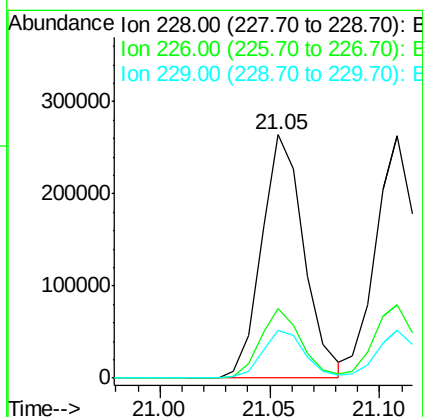
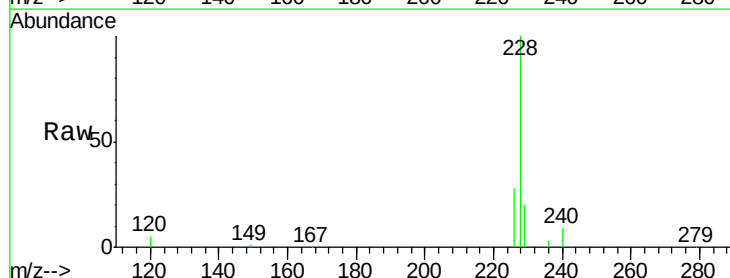
Instrument :
 BNA_E
 ClientSampleId :
 PB85250BSD

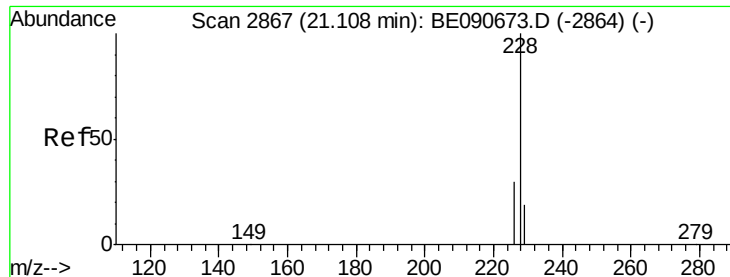
Tgt Ion: 244 Resp: 232441
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 12.4 12.9 19.3#



#28
 Benzo(a)anthracene
 Concen: 3.69 ng
 RT: 21.05 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BE090684.D
 Acq: 2 Sep 2015 1:59

Tgt Ion: 228 Resp: 355330
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.6 32.4
 229 19.7 15.9 23.9





#29

Chrysene

Concen: 3.56 ng

RT: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

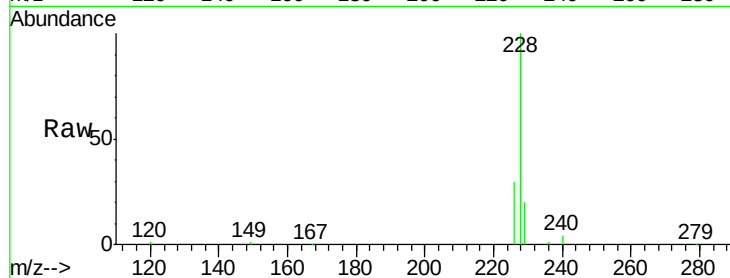
Tgt Ion:228 Resp: 363505

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

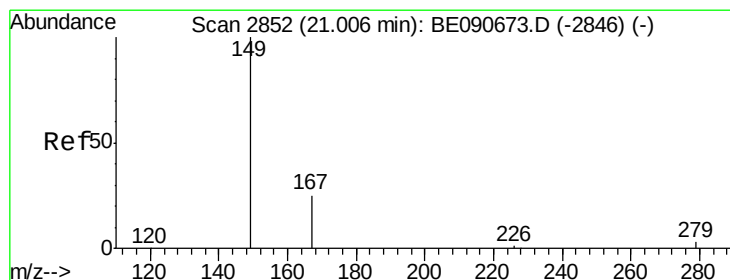
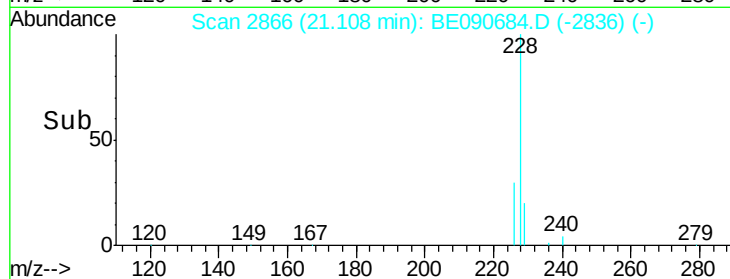
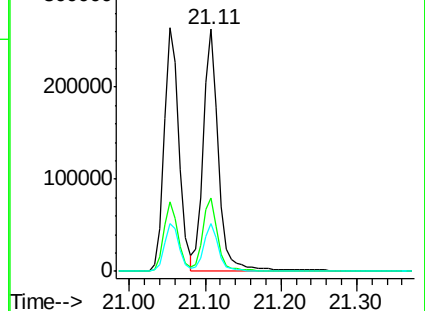
229 19.5 15.3 22.9



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: 4.33 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

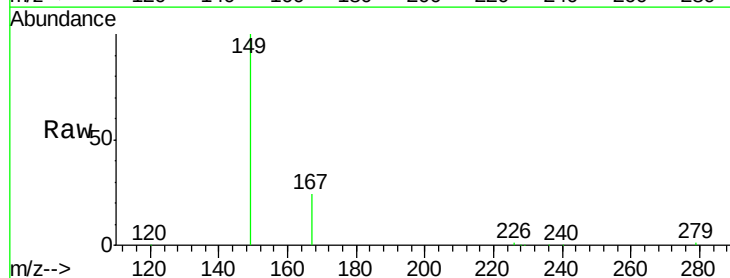
Tgt Ion:149 Resp: 138652

Ion Ratio Lower Upper

149 100

167 25.8 20.1 30.1

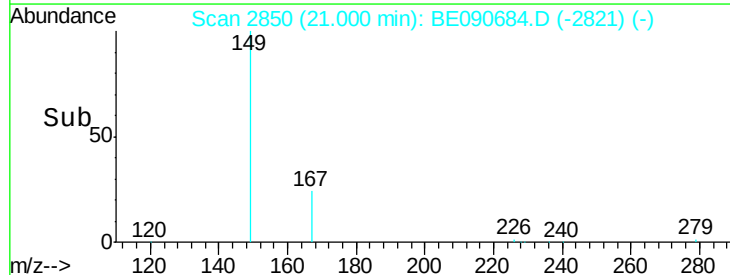
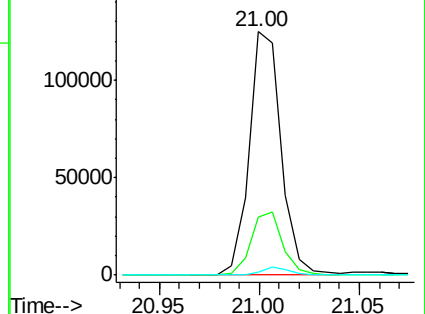
279 3.0 2.3 3.5

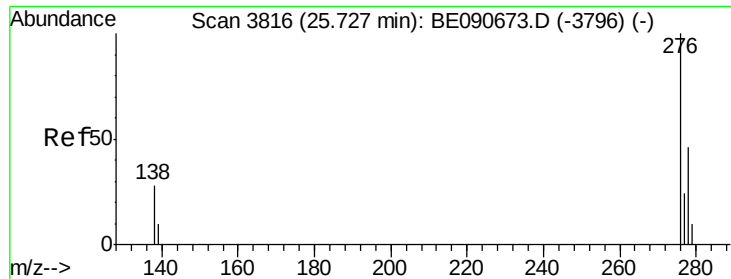


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.78 ng

RT: 25.72 min Scan# 3814

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

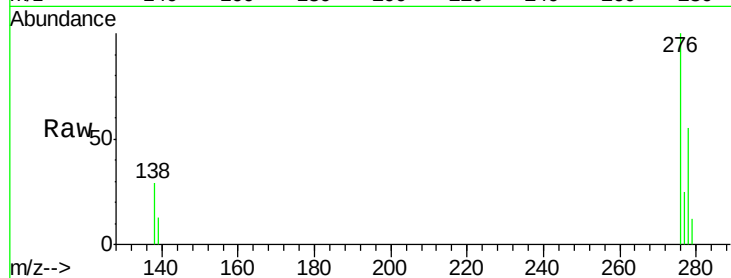
Tgt Ion: 276 Resp: 392137

Ion Ratio Lower Upper

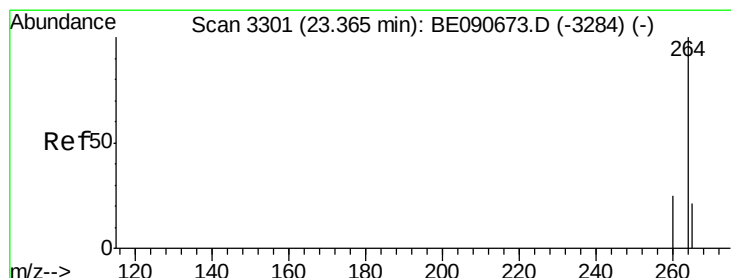
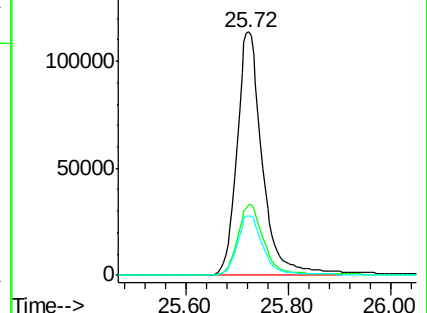
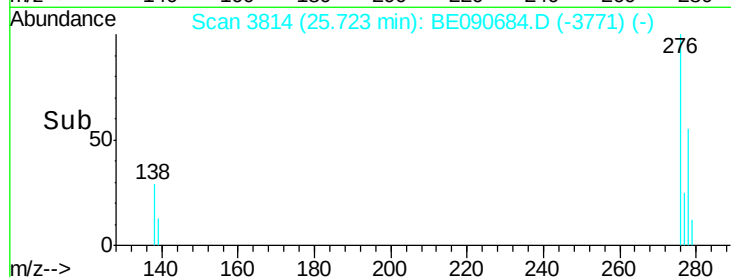
276 100

138 30.3 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# 3299

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

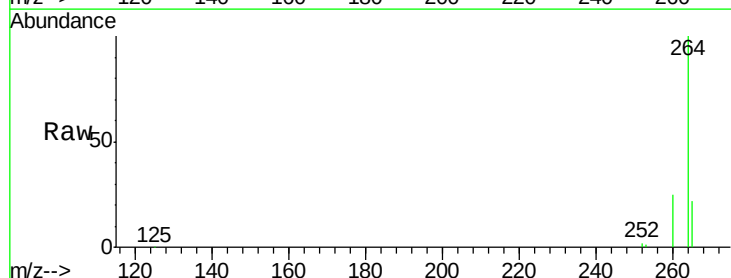
Tgt Ion: 264 Resp: 403388

Ion Ratio Lower Upper

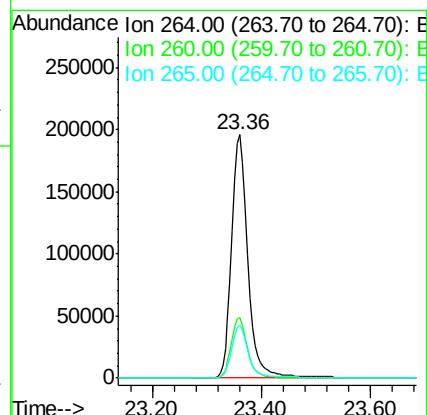
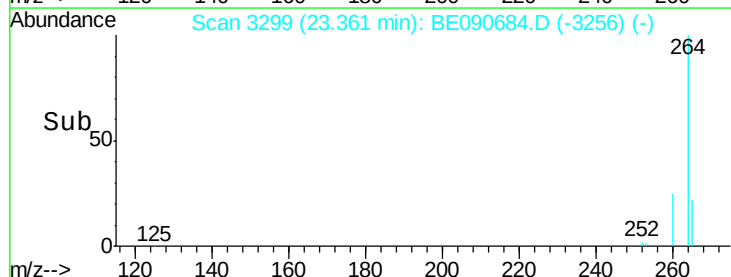
264 100

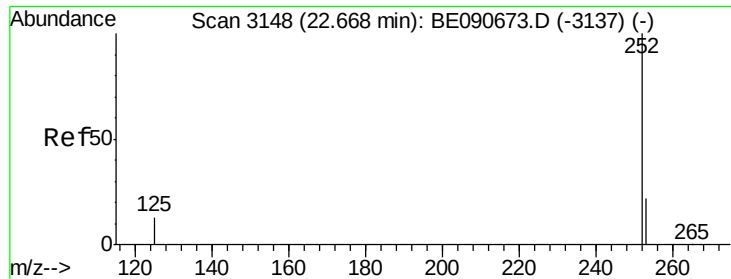
260 25.0 19.7 29.5

265 21.9 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: 3.85 ng

RT: 22.66 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

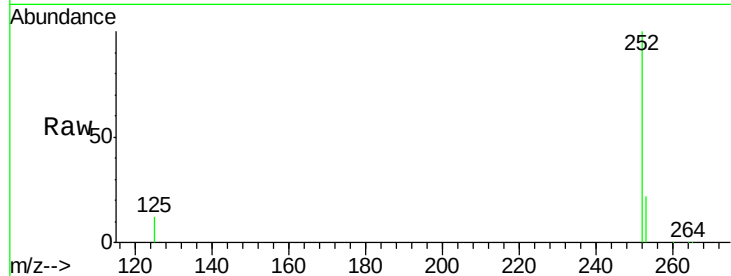
Tgt Ion:252 Resp: 336743

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

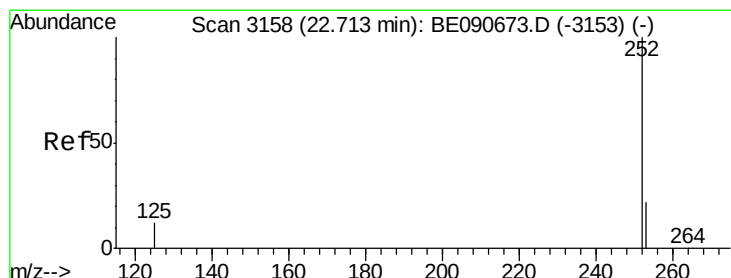
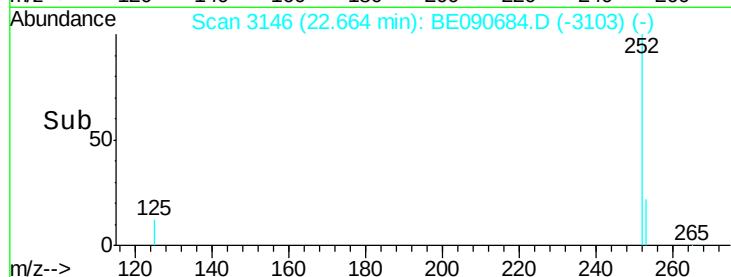
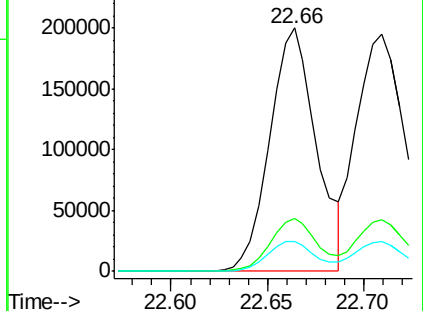
125 12.4 10.6 16.0



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: 3.60 ng

RT: 22.71 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

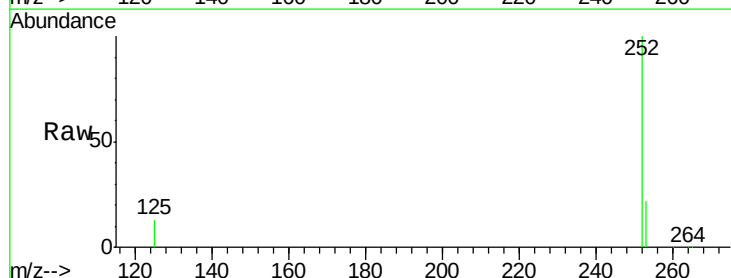
Tgt Ion:252 Resp: 367102

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

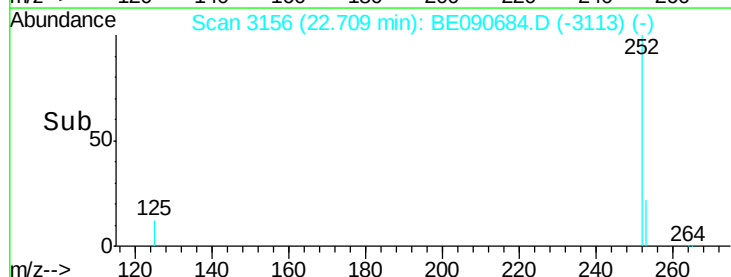
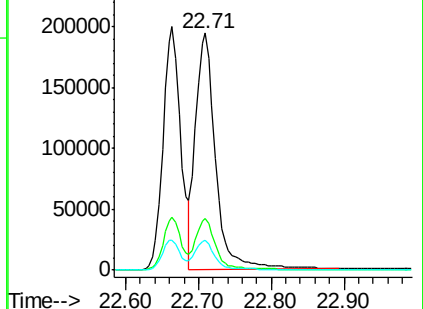
125 12.5 10.1 15.1

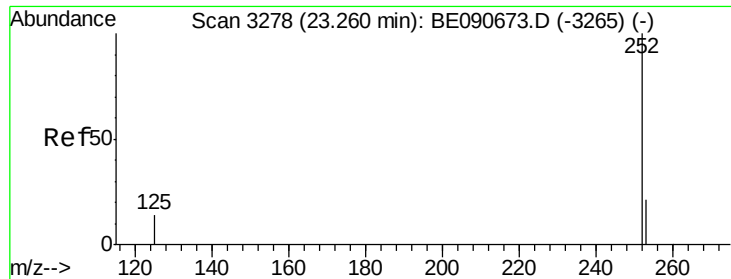


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 4.04 ng

RT: 23.26 min Scan# 3276

Delta R.T. -0.00 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD

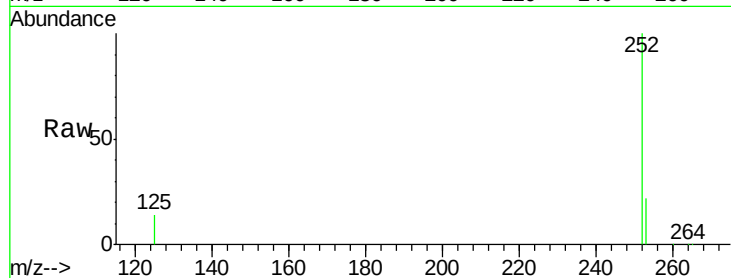
Tgt Ion: 252 Resp: 316026

Ion Ratio Lower Upper

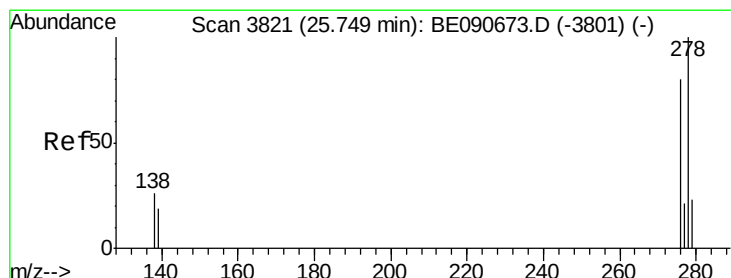
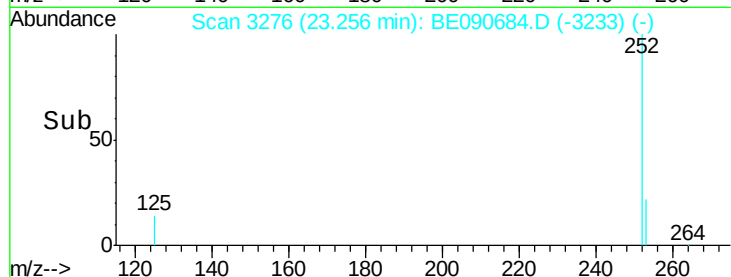
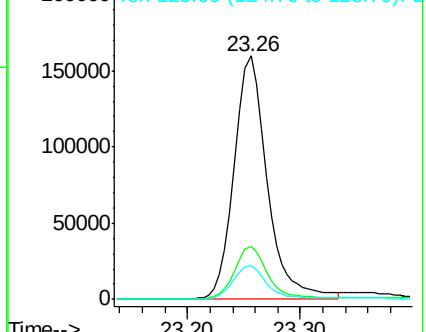
252 100

253 21.9 17.5 26.3

125 14.0 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: 3.45 ng

RT: 25.74 min Scan# 3818

Delta R.T. -0.01 min

Lab File: BE090684.D

Acq: 2 Sep 2015 1:59

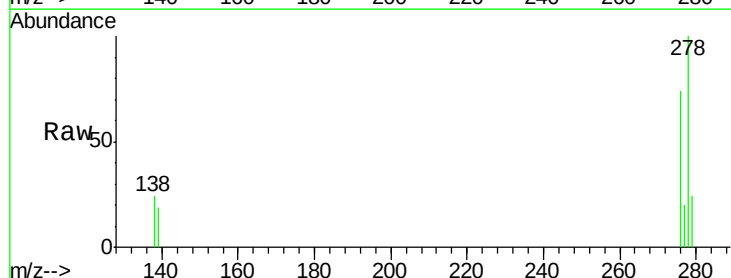
Tgt Ion: 278 Resp: 324727

Ion Ratio Lower Upper

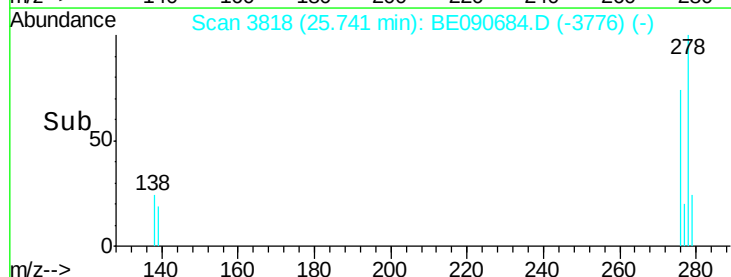
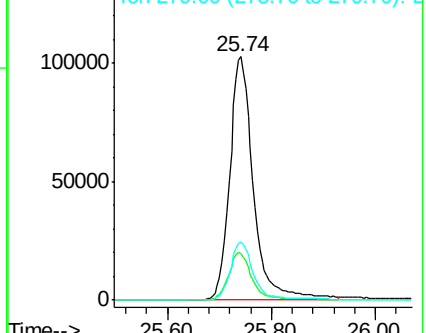
278 100

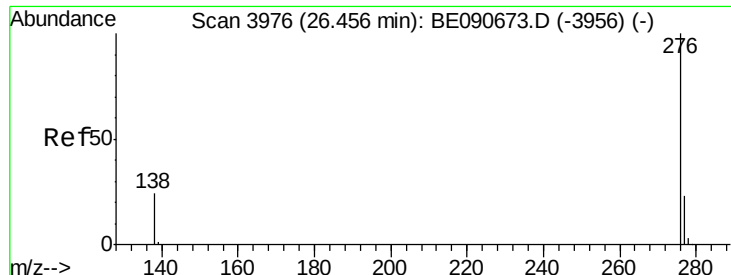
139 19.0 15.4 23.0

279 24.0 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(g,h,i)perylene

Concen: 3.71 ng

RT: 26.45 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BE090684.D

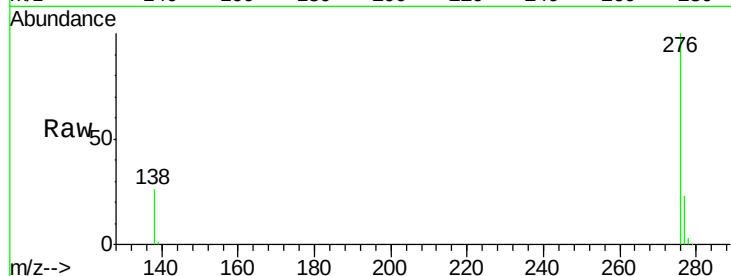
Acq: 2 Sep 2015 1:59

Instrument :

BNA_E

ClientSampleId :

PB85250BSD



Tgt Ion: 276 Resp: 333951

Ion Ratio Lower Upper

276 100

277 23.4 18.5 27.7

138 26.3 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

