

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091115\
 Data File : BE090786.D
 Acq On : 11 Sep 2015 16:03
 Operator : UM/IZ
 Sample : PB85487BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85487BSD

Quant Time: Sep 11 23:48:01 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	49545	5.00	ng	-0.01
6) Naphthalene-d8	10.30	136	231586	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	120447	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	274591	5.00	ng	0.00
25) Chrysene-d12	21.07	240	352506	5.00	ng	0.00
32) Perylene-d12	23.36	264	311577	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	51141	5.30	ng	0.00
5) Phenol-d6	6.74	99	80226	5.82	ng	-0.01
7) Nitrobenzene-d5	8.69	82	41155	2.69	ng	-0.02
13) 2,4,6-Tribromophenol	15.67	330	16916	4.85	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	82500	2.47	ng	0.00
27) Terphenyl-d14	19.53	244	117620	3.02	ng	0.00

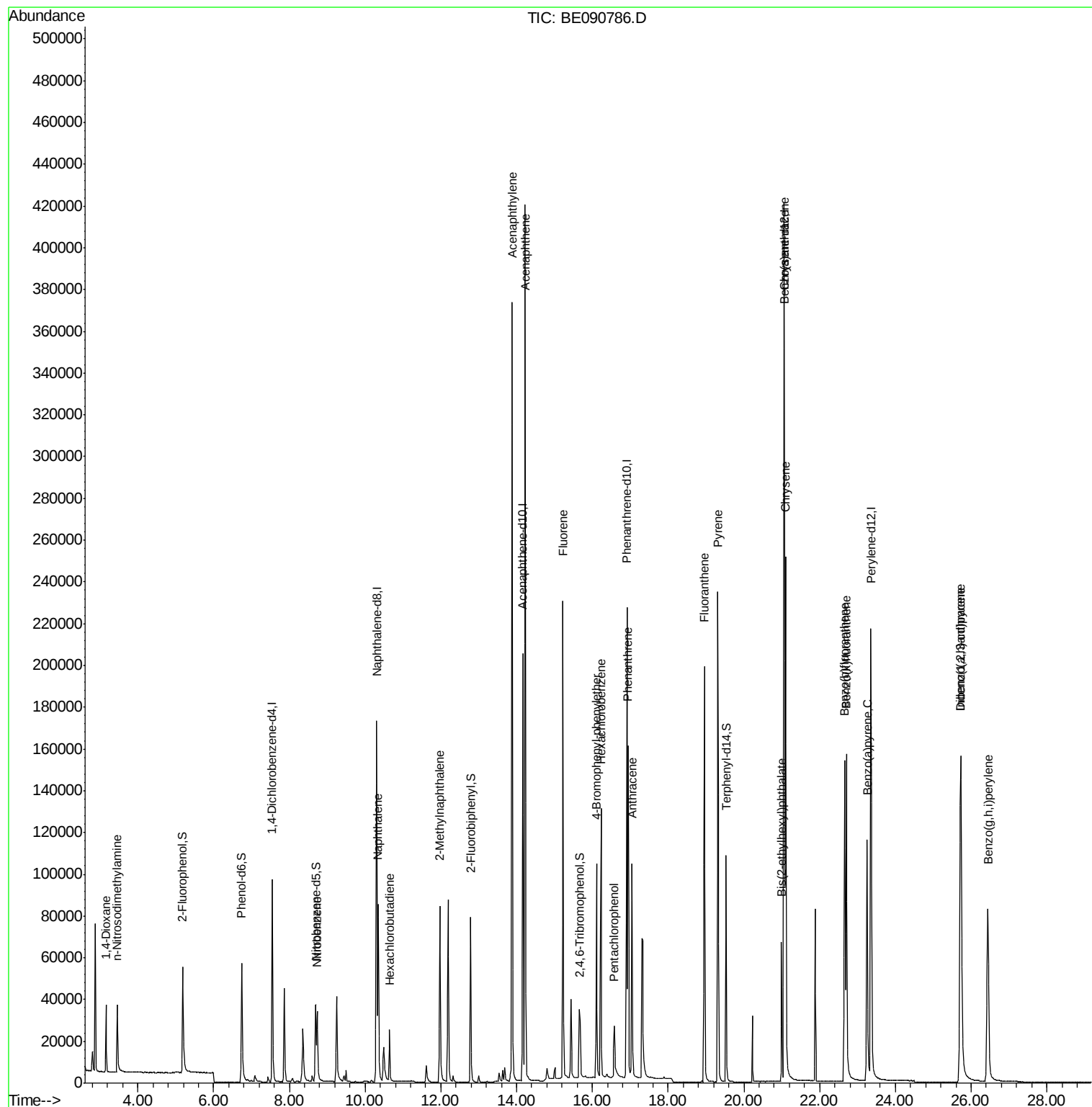
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.15	88	16968	2.55	ng	96
3) n-Nitrosodimethylamine	3.45	42	21451	2.40	ng	# 94
8) Nitrobenzene	8.73	77	45076	2.45	ng	99
9) Naphthalene	10.35	128	121247	2.40	ng	99
10) Hexachlorobutadiene	10.64	225	18187	2.30	ng	100
11) 2-Methylnaphthalene	11.97	142	73571	2.69	ng	99
15) Acenaphthylene	13.88	152	484130	2.51	ng	100
16) Acenaphthene	14.23	154	77417	2.41	ng	91
17) Fluorene	15.22	166	98964	2.47	ng	98
19) 4-Bromophenyl-phenylether	16.11	248	24746	2.64	ng	97
20) Hexachlorobenzene	16.23	284	126030	2.77	ng	96
21) Pentachlorophenol	16.58	266	17974	4.90	ng	95
22) Phenanthrene	16.94	178	179917	2.65	ng	99
23) Anthracene	17.05	178	160298	2.82	ng	100
24) Fluoranthene	18.96	202	192941	2.69	ng	99
26) Pyrene	19.32	202	218032	2.99	ng	99
28) Benzo(a)anthracene	21.05	228	214073	2.76	ng	99
29) Chrysene	21.11	228	222742	2.70	ng	99
30) Bis(2-ethylhexyl)phthalate	21.00	149	57952	2.52	ng	99
31) Indeno(1,2,3-cd)pyrene	25.72	276	219411	2.63	ng	99
33) Benzo(b)fluoranthene	22.66	252	187823	2.78	ng	99
34) Benzo(k)fluoranthene	22.71	252	218534	2.78	ng	99
35) Benzo(a)pyrene	23.25	252	176387	2.92	ng	100
36) Dibenzo(a,h)anthracene	25.74	278	179739	2.51	ng	99
37) Benzo(g,h,i)perylene	26.44	276	186307	2.68	ng	99

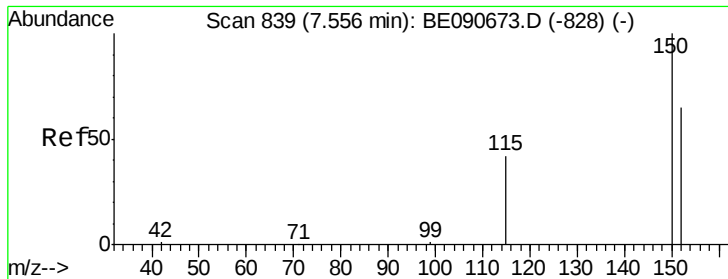
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

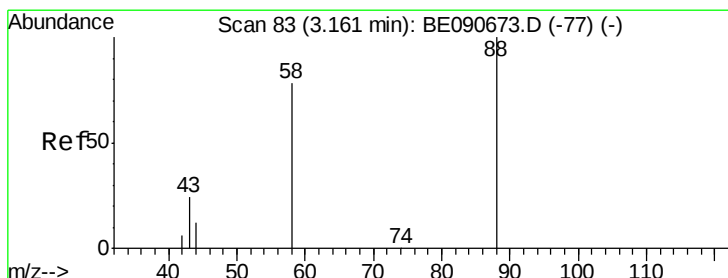
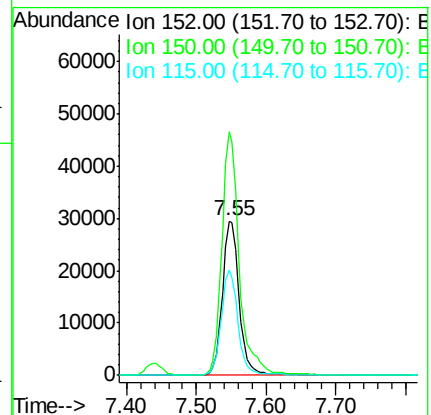
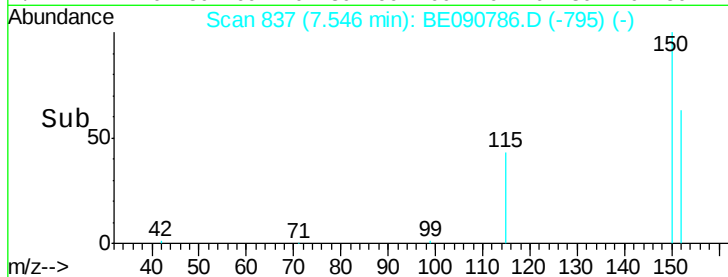
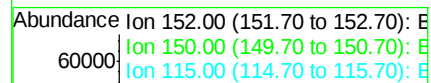
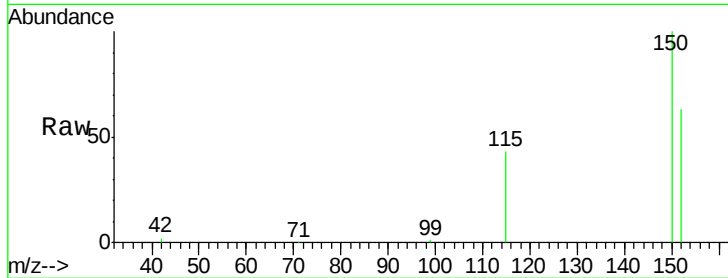
Tgt Ion:152 Resp: 49545

Ion Ratio Lower Upper

152 100

150 157.9 122.2 183.4

115 68.5 51.0 76.4



#2

1,4-Dioxane

Concen: 2.55 ng

RT: 3.15 min Scan# 82

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

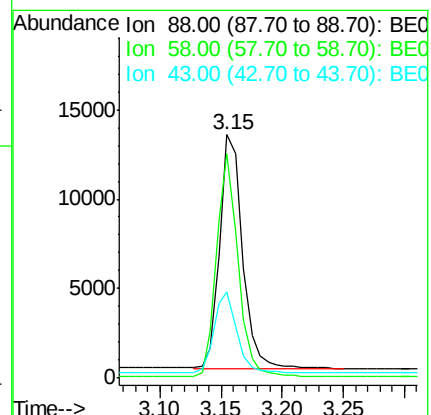
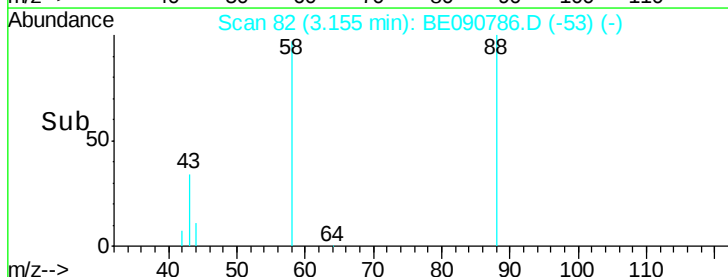
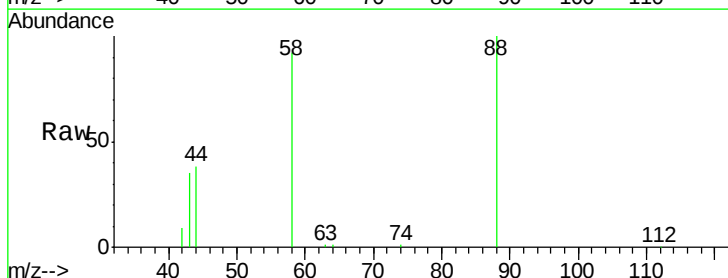
Tgt Ion: 88 Resp: 16968

Ion Ratio Lower Upper

88 100

58 89.9 68.4 102.6

43 35.0 26.9 40.3





#3

n-Nitrosodimethylamine

Concen: 2.40 ng

RT: 3.45 min Scan# 126

Delta R.T. 0.00 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

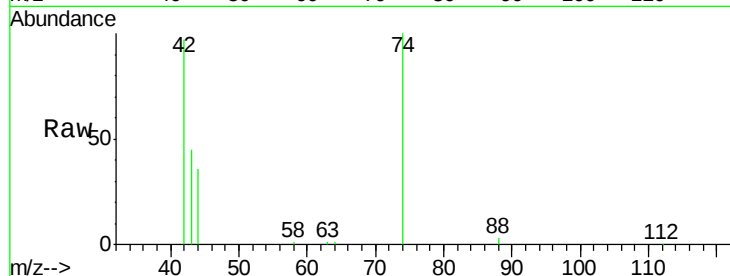
Tgt Ion: 42 Resp: 21451

Ion Ratio Lower Upper

42 100

74 109.4 83.7 125.5

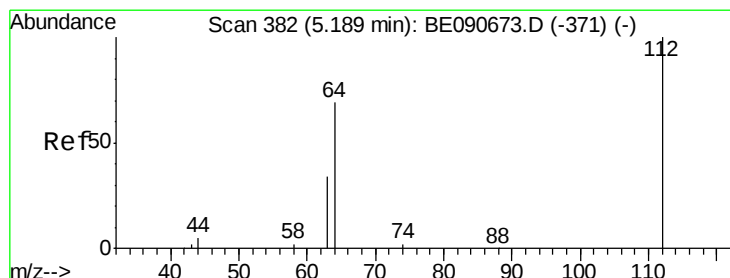
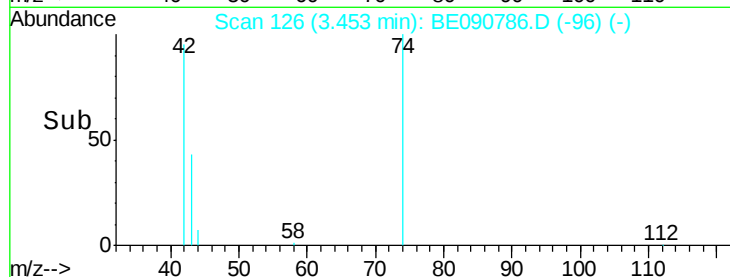
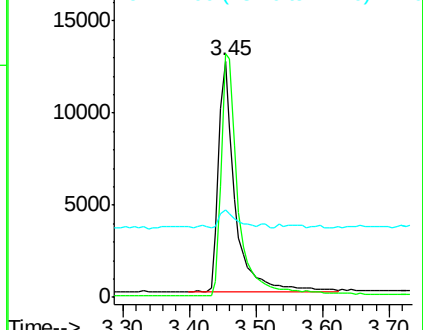
44 7.5 10.0 15.0#



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: 5.30 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

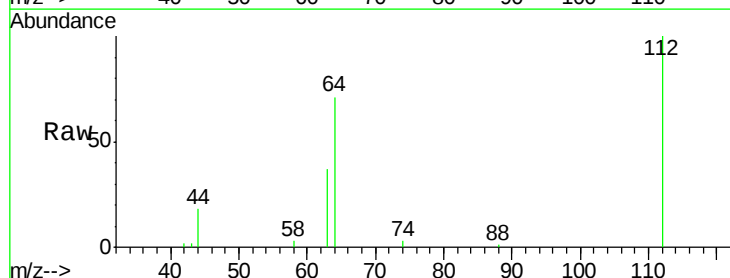
Tgt Ion: 112 Resp: 51141

Ion Ratio Lower Upper

112 100

64 72.0 57.3 85.9

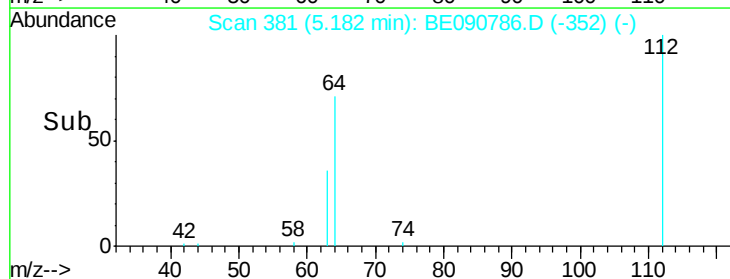
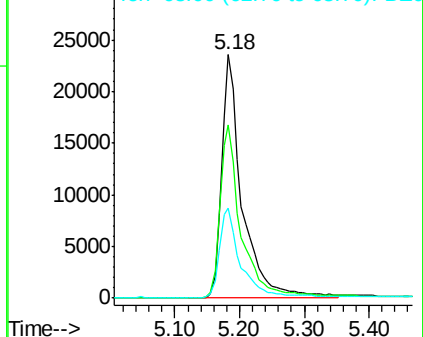
63 37.4 29.2 43.8

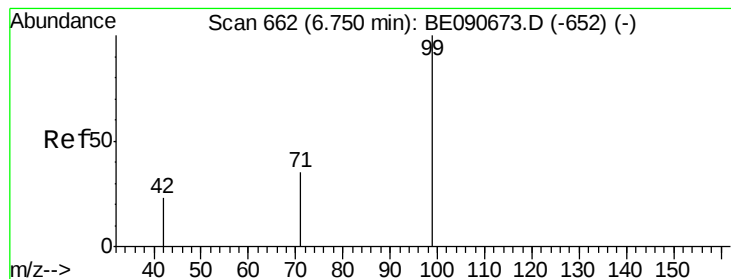


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.82 ng

RT: 6.74 min Scan# 660

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

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ClientSampleId :

PB85487BSD

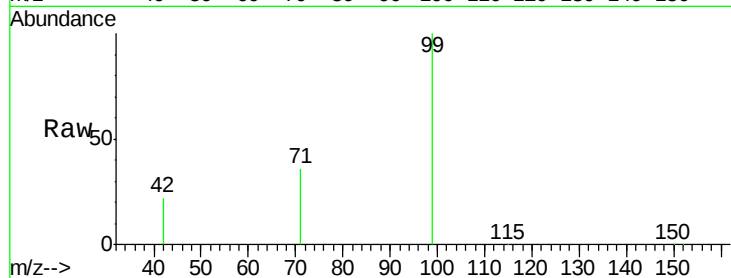
Tgt Ion: 99 Resp: 80226

Ion Ratio Lower Upper

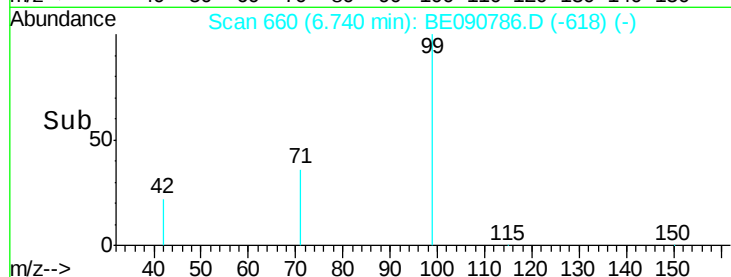
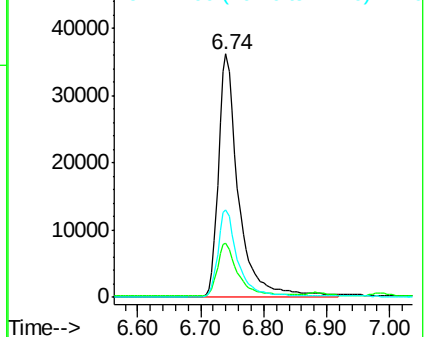
99 100

42 22.1 16.8 25.2

71 35.3 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: BE090786.D

Acq: 11 Sep 2015 16:03

Tgt Ion: 136 Resp: 231586

Ion Ratio Lower Upper

136 100

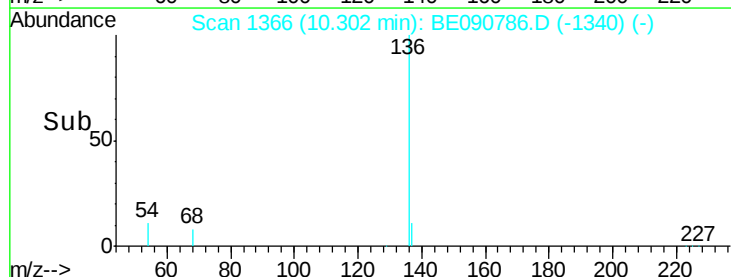
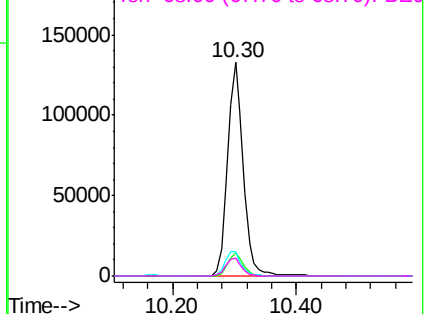
137 10.8 8.7 13.1

54 11.4 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: 2.69 ng

RT: 8.69 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

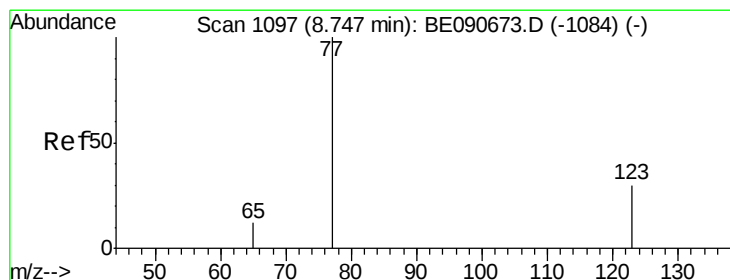
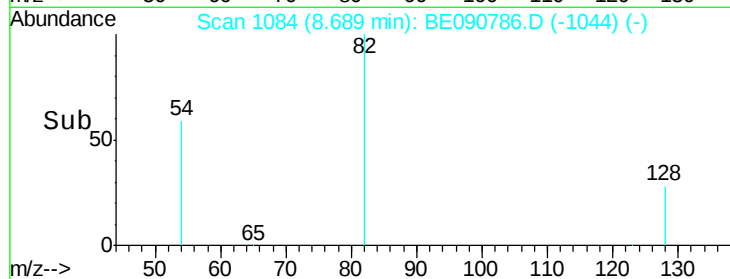
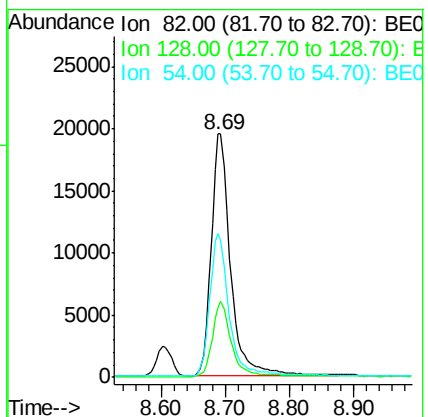
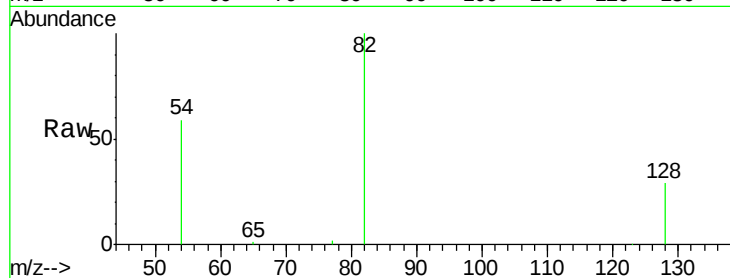
Tgt Ion: 82 Resp: 41155

Ion Ratio Lower Upper

82 100

128 28.7 25.0 37.4

54 59.2 46.3 69.5



#8

Nitrobenzene

Concen: 2.45 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

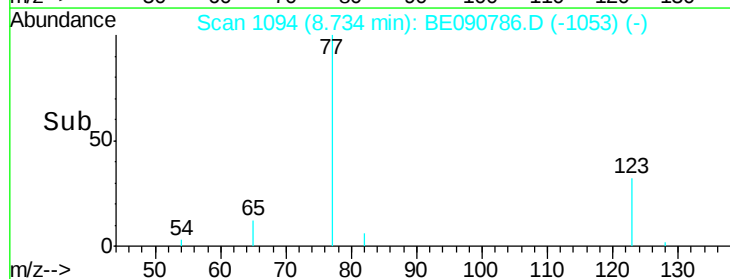
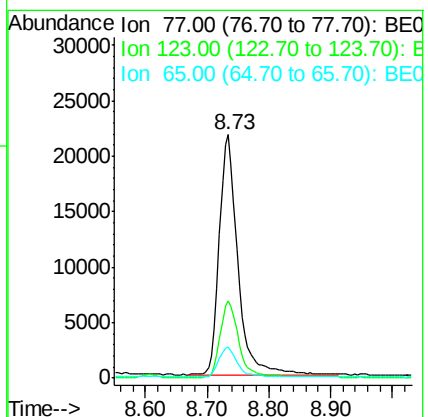
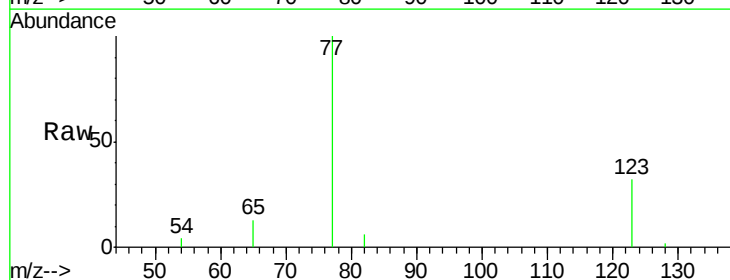
Tgt Ion: 77 Resp: 45076

Ion Ratio Lower Upper

77 100

123 32.4 25.1 37.7

65 12.5 9.9 14.9





#9

Naphthalene

Concen: 2.40 ng

RT: 10.35 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

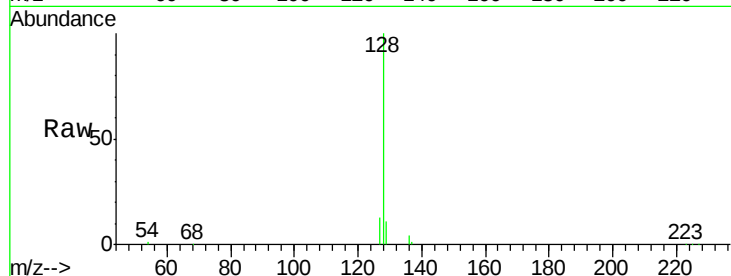
Tgt Ion:128 Resp: 121247

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

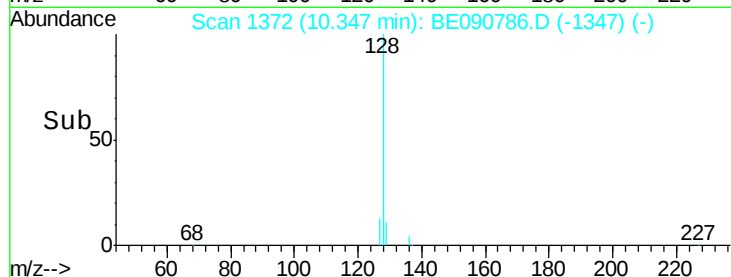
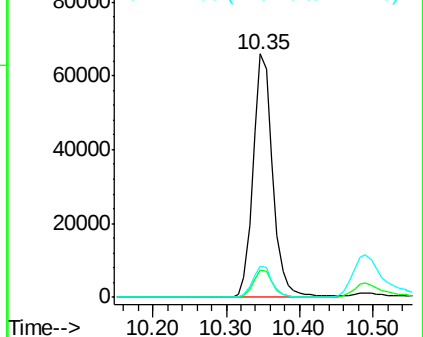
127 13.0 10.6 15.8



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: 2.30 ng

RT: 10.64 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

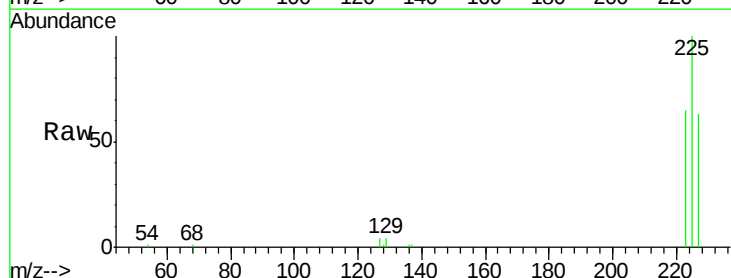
Tgt Ion:225 Resp: 18187

Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

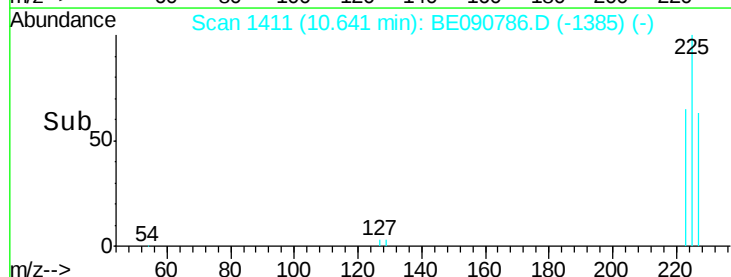
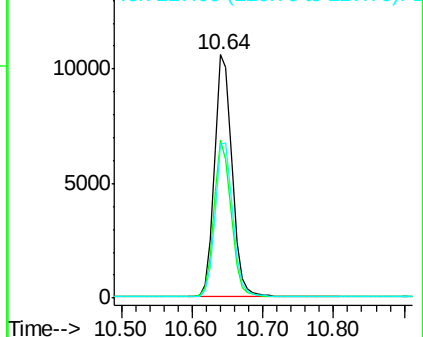
227 64.1 51.0 76.6



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: 2.69 ng

RT: 11.97 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

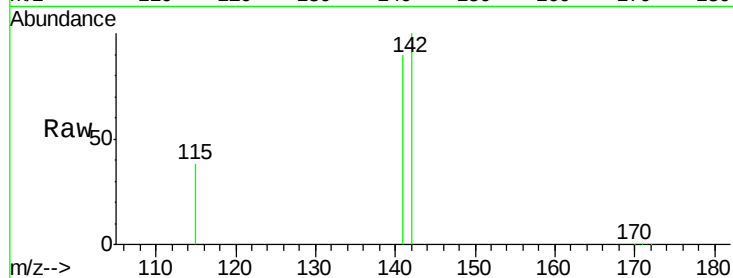
Tgt Ion:142 Resp: 73571

Ion Ratio Lower Upper

142 100

141 89.9 71.4 107.2

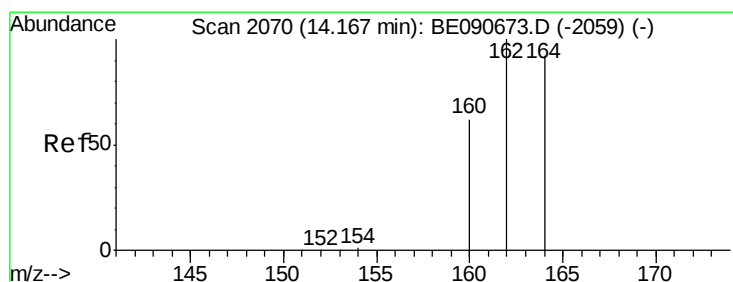
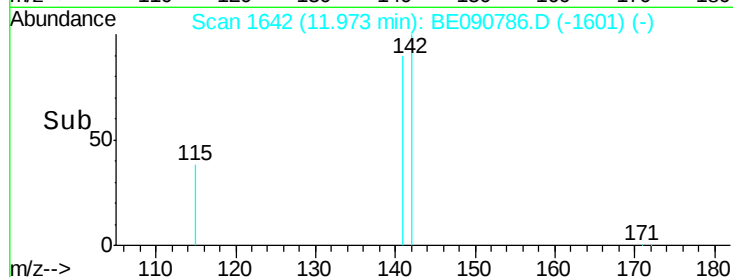
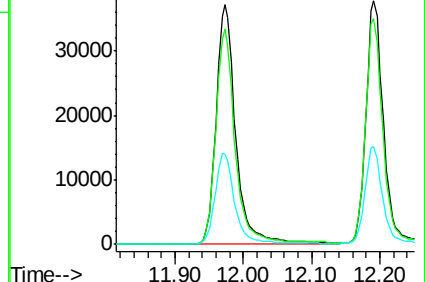
115 37.7 31.0 46.4



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: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

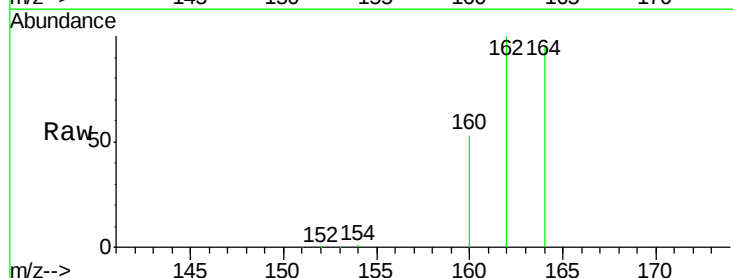
Tgt Ion:164 Resp: 120447

Ion Ratio Lower Upper

164 100

162 105.2 86.8 130.2

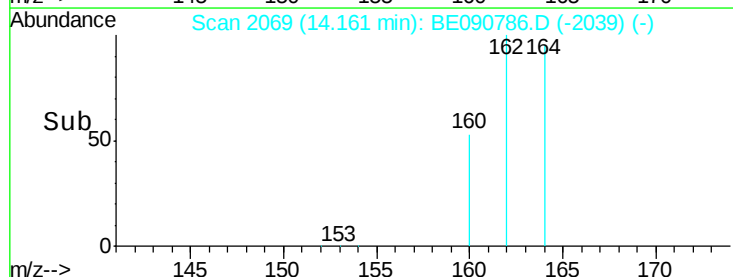
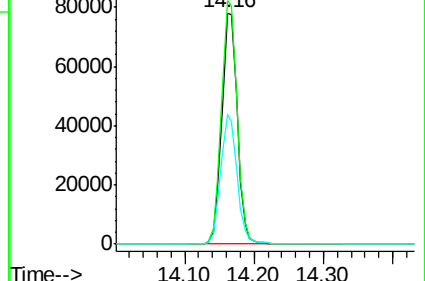
160 56.1 53.9 80.9



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

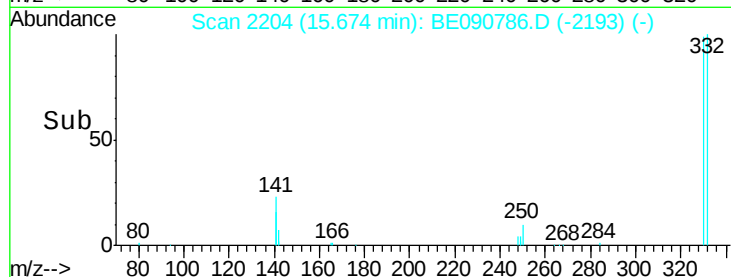
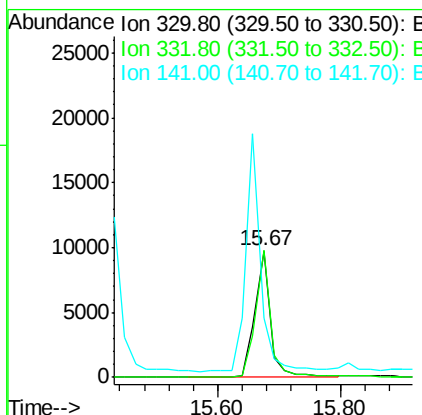
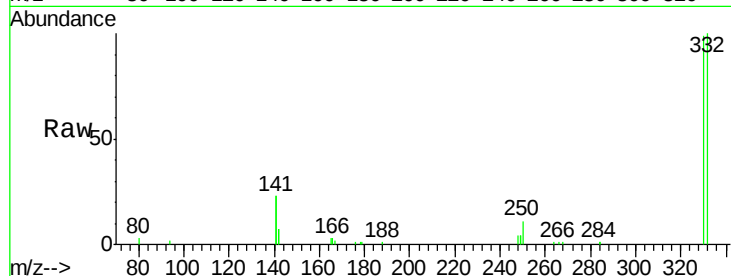




#13
 2,4,6-Tribromophenol
 Concen: 4.85 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090786.D
 Acq: 11 Sep 2015 16:03

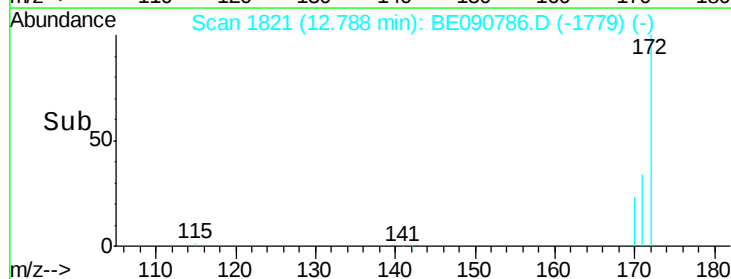
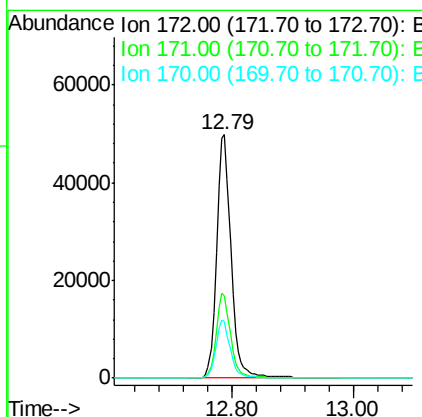
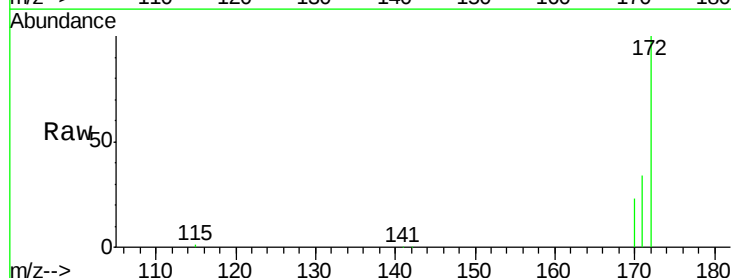
Instrument :
 BNA_E
 ClientSampleId :
 PB85487BSD

Tgt Ion:330 Resp: 16916
 Ion Ratio Lower Upper
 330 100
 332 97.1 74.9 112.3
 141 178.7 145.2 217.8



#14
 2-Fluorobiphenyl
 Concen: 2.47 ng
 RT: 12.79 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BE090786.D
 Acq: 11 Sep 2015 16:03

Tgt Ion:172 Resp: 82500
 Ion Ratio Lower Upper
 172 100
 171 33.9 27.8 41.8
 170 23.2 19.8 29.6





#15

Acenaphthylene

Concen: 2.51 ng

RT: 13.88 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

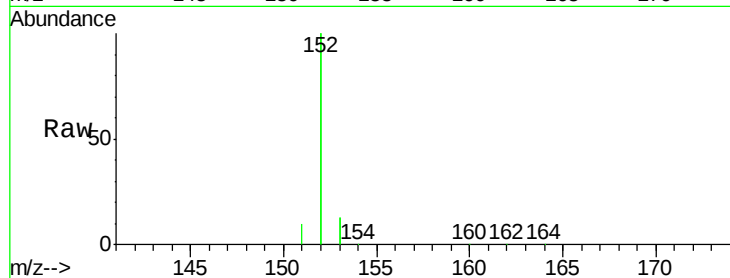
Tgt Ion:152 Resp: 484130

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

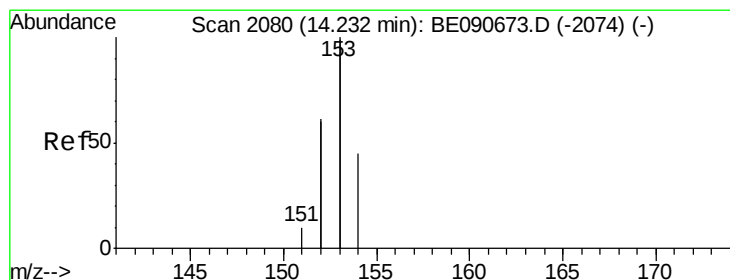
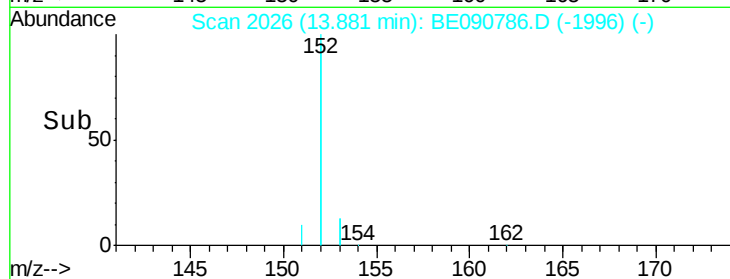
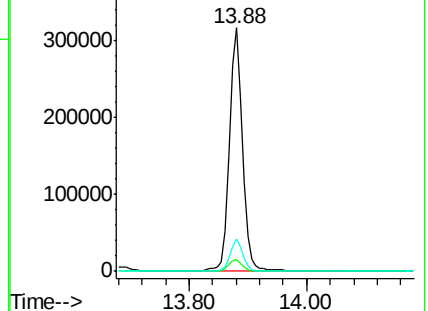
153 13.0 10.3 15.5



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: 2.41 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

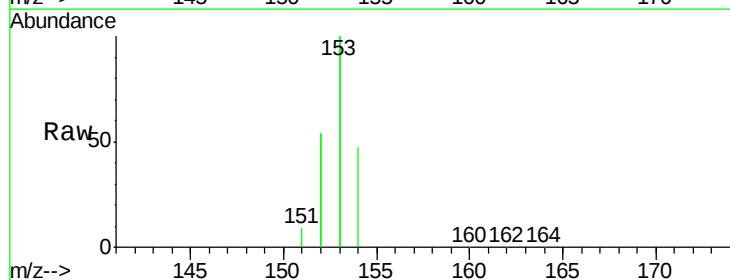
Tgt Ion:154 Resp: 77417

Ion Ratio Lower Upper

154 100

153 437.4 354.5 531.7

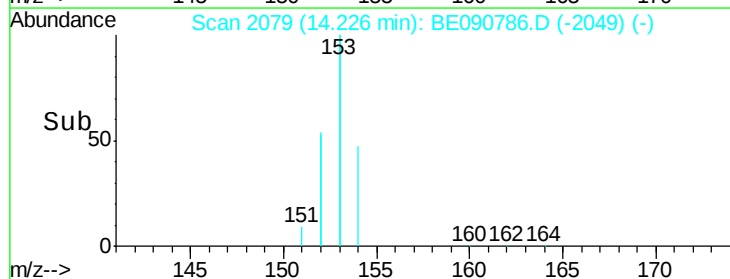
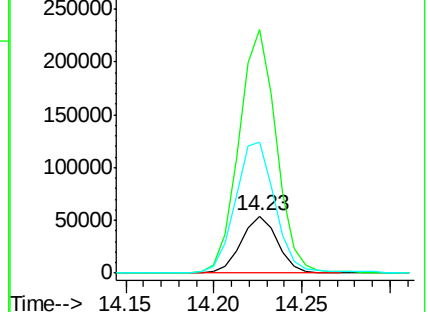
152 248.3 227.8 341.6



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

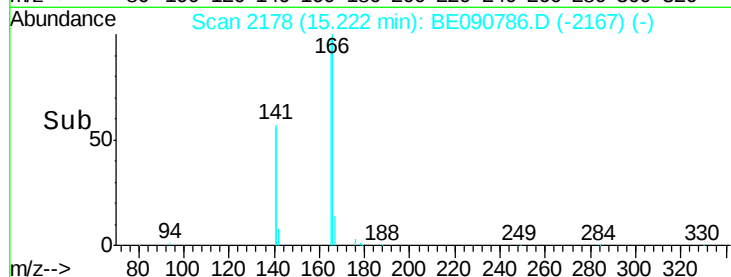
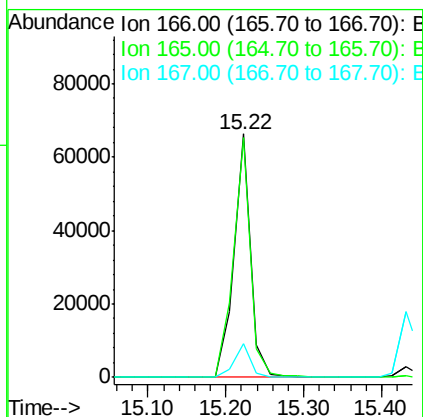
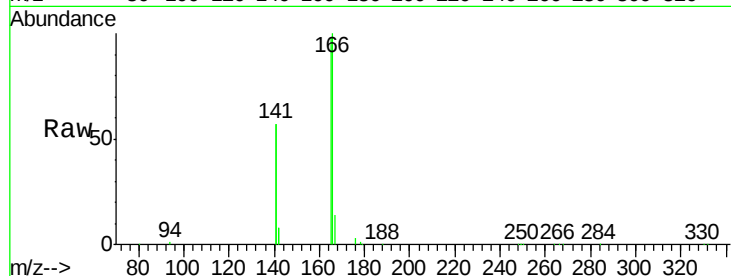




#17
Fluorene
 Concen: 2.47 ng
 RT: 15.22 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BE090786.D
 Acq: 11 Sep 2015 16:03

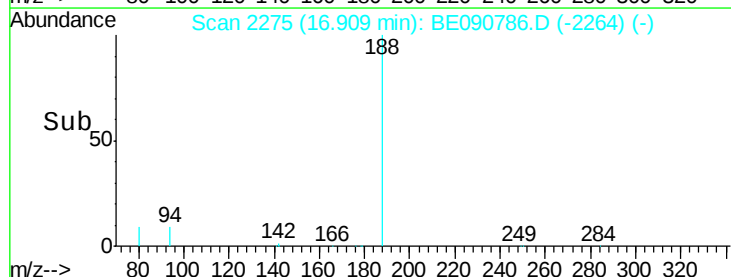
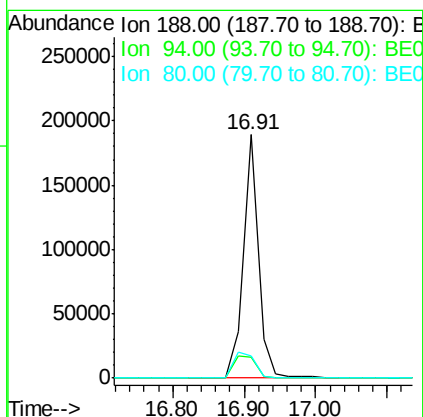
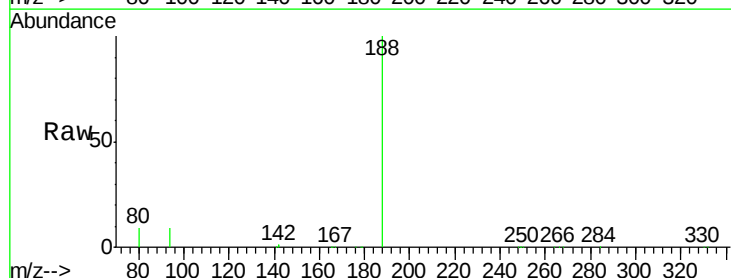
Instrument :
 BNA_E
 ClientSampleId :
 PB85487BSD

Tgt Ion:166 Resp: 98964
 Ion Ratio Lower Upper
 166 100
 165 100.7 82.7 124.1
 167 13.6 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: BE090786.D
 Acq: 11 Sep 2015 16:03

Tgt Ion:188 Resp: 274591
 Ion Ratio Lower Upper
 188 100
 94 8.6 10.3 15.5#
 80 9.3 11.0 16.6#





#19

4-Bromophenyl-phenylether

Concen: 2.64 ng

RT: 16.11 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

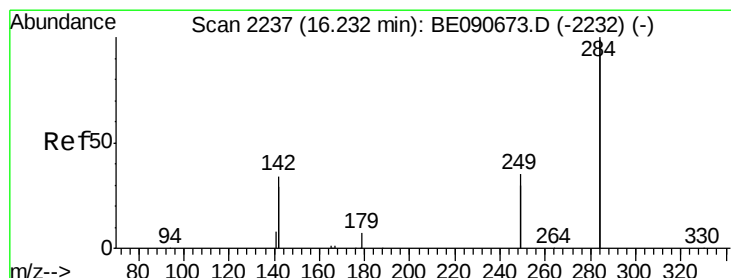
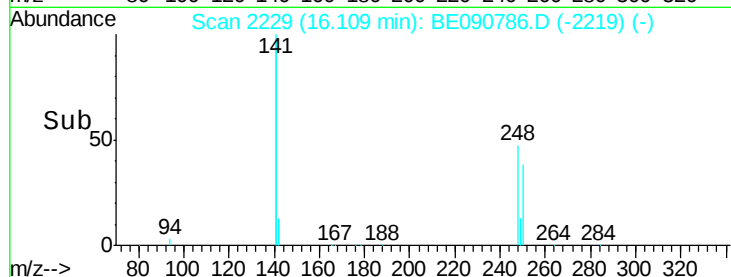
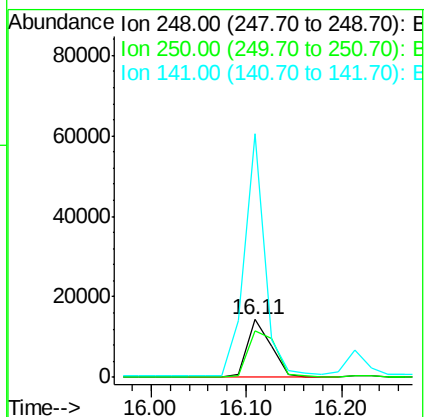
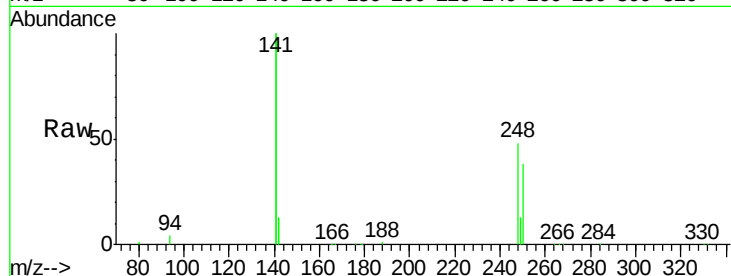
Tgt Ion:248 Resp: 24746

Ion Ratio Lower Upper

248 100

250 95.9 76.7 115.1

141 356.4 292.6 439.0



#20

Hexachlorobenzene

Concen: 2.77 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

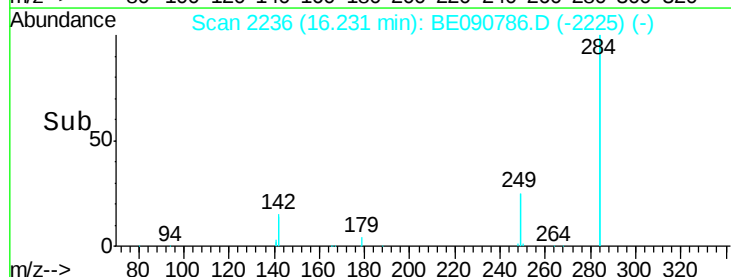
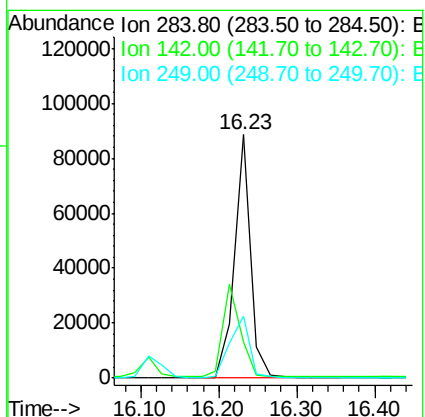
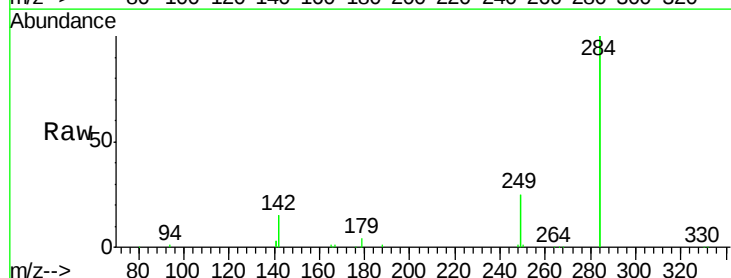
Tgt Ion:284 Resp: 126030

Ion Ratio Lower Upper

284 100

142 41.1 35.0 52.4

249 30.3 25.5 38.3





#21

Pentachlorophenol

Concen: 4.90 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.02 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

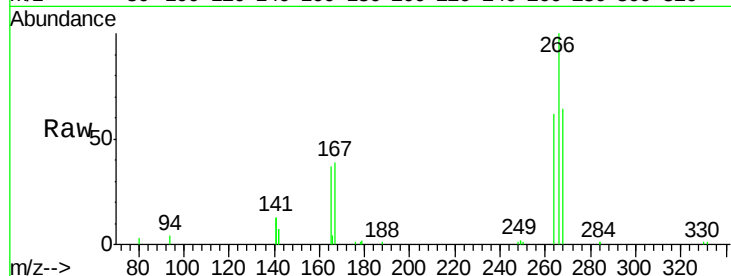
Tgt Ion:266 Resp: 17974

Ion Ratio Lower Upper

266 100

268 64.2 49.6 74.4

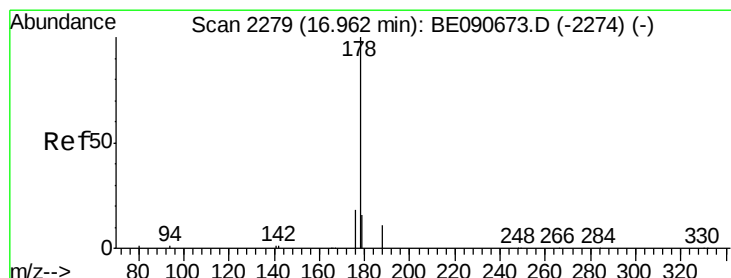
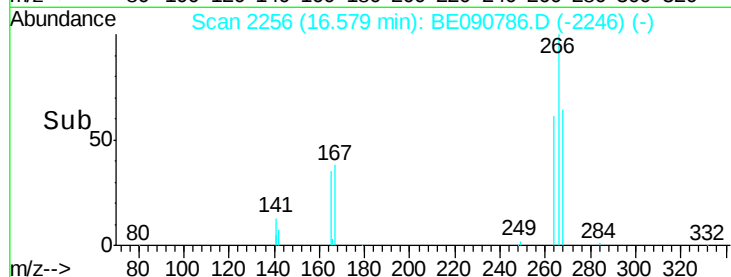
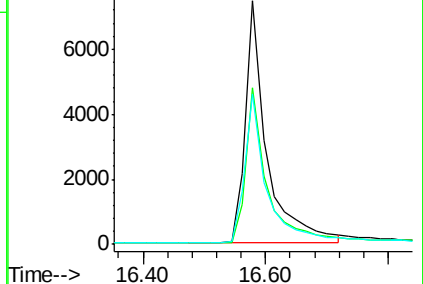
264 61.7 53.9 80.9



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: 2.65 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

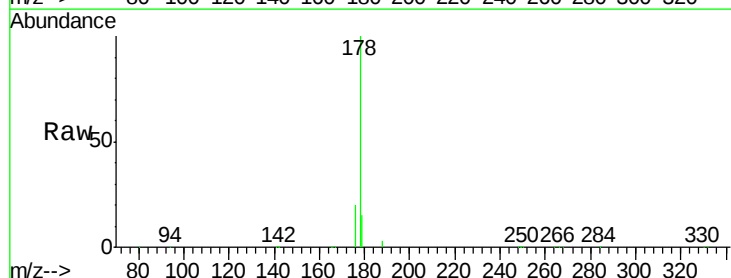
Tgt Ion:178 Resp: 179917

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

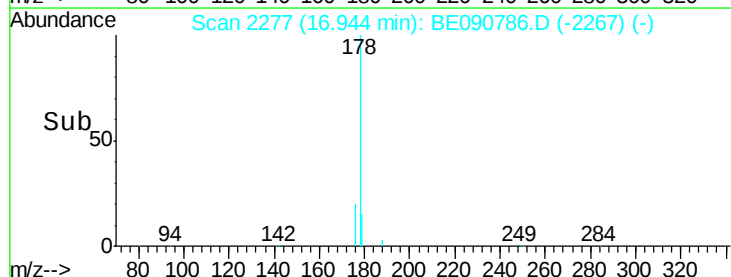
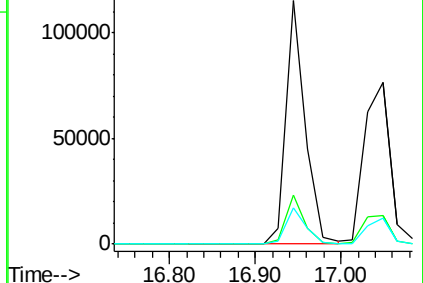
179 15.2 12.8 19.2



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: 2.82 ng

RT: 17.05 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

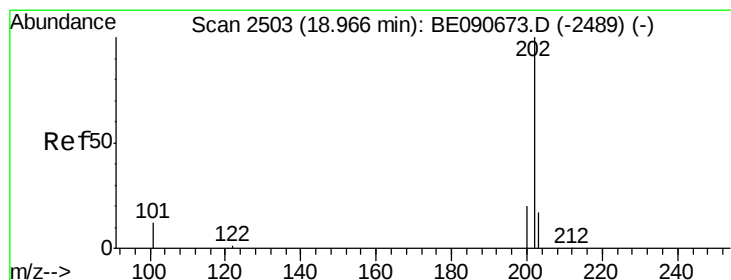
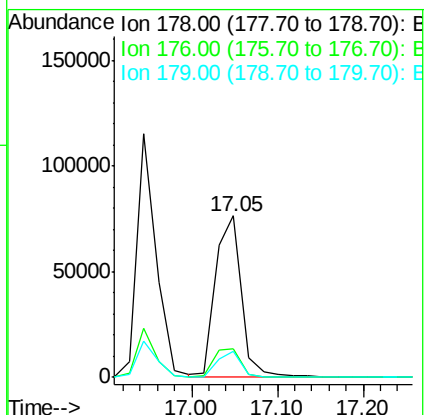
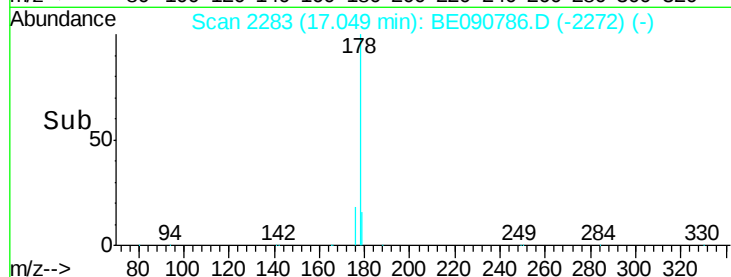
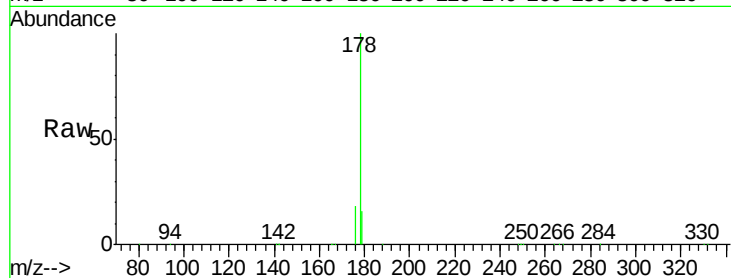
Tgt Ion:178 Resp: 160298

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.3 12.3 18.5



#24

Fluoranthene

Concen: 2.69 ng

RT: 18.96 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

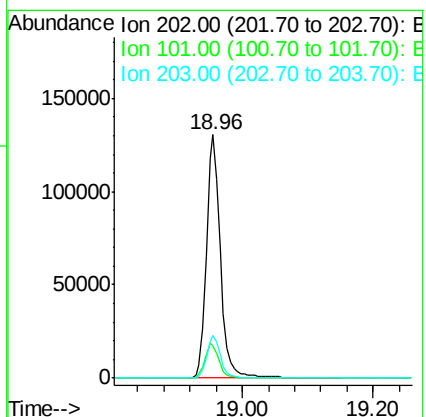
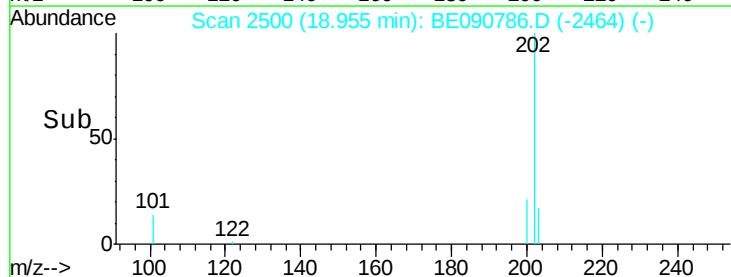
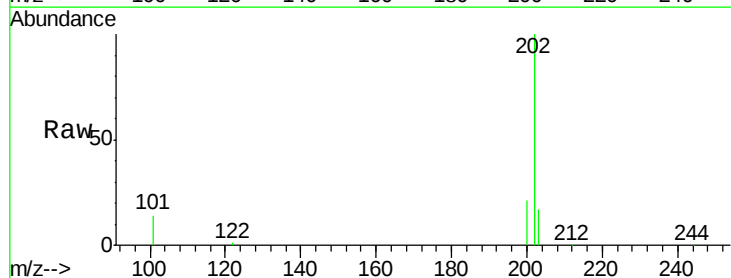
Tgt Ion:202 Resp: 192941

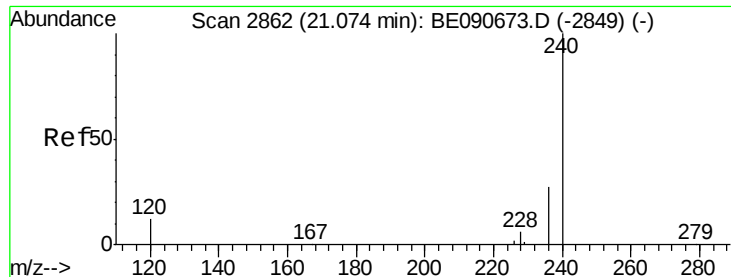
Ion Ratio Lower Upper

202 100

101 14.2 11.0 16.6

203 17.2 13.9 20.9





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

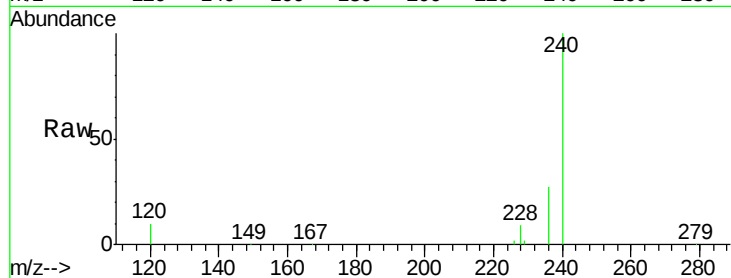
Tgt Ion:240 Resp: 352506

Ion Ratio Lower Upper

240 100

120 10.1 10.1 15.1

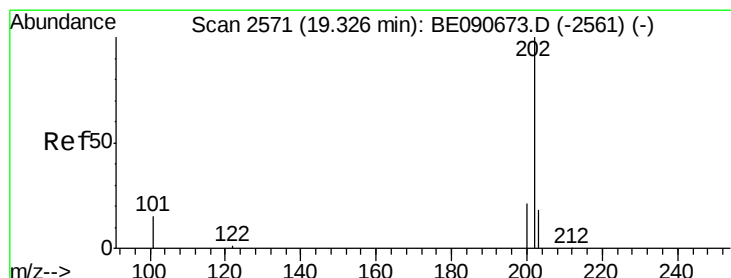
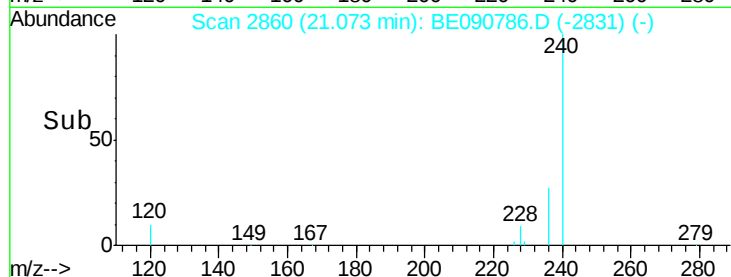
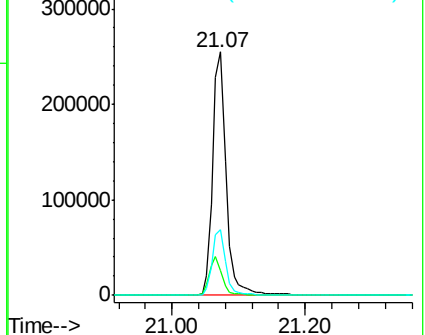
236 26.9 21.9 32.9



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: 2.99 ng

RT: 19.32 min Scan# 2568

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

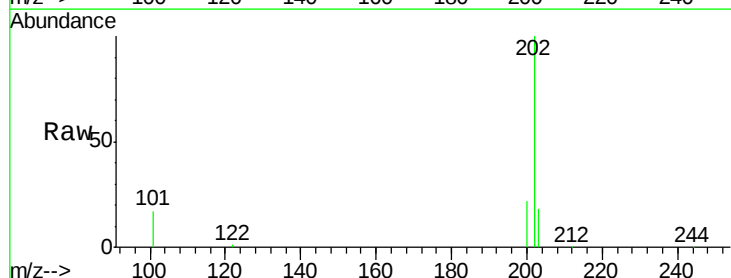
Tgt Ion:202 Resp: 218032

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

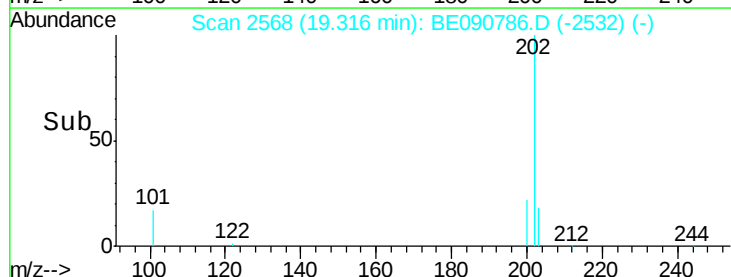
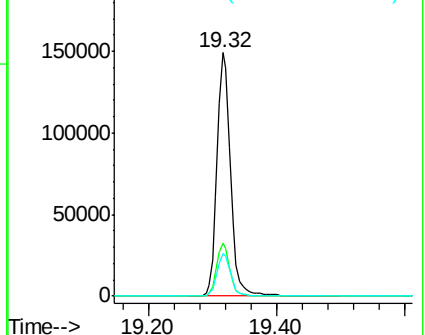
203 17.8 13.8 20.6



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

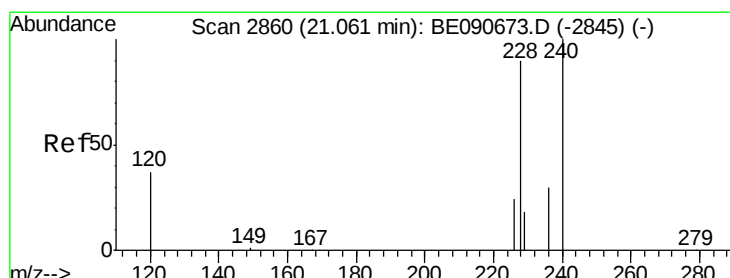
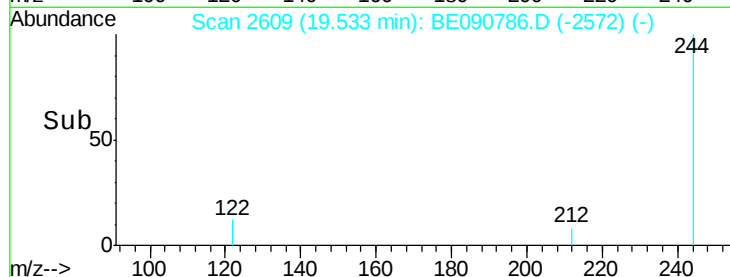
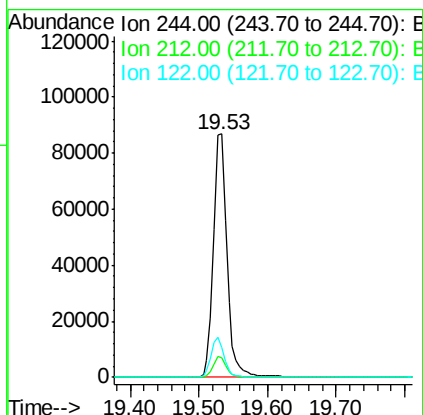
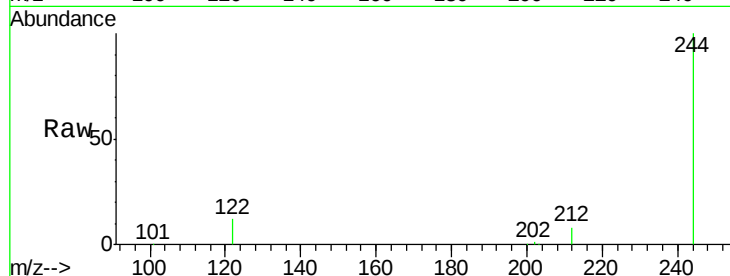




#27
 Terphenyl-d14
 Concen: 3.02 ng
 RT: 19.53 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BE090786.D
 Acq: 11 Sep 2015 16:03

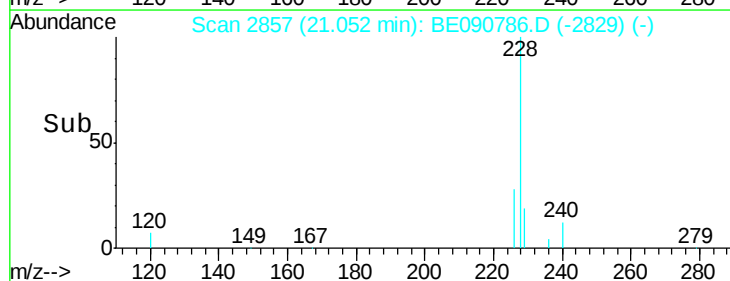
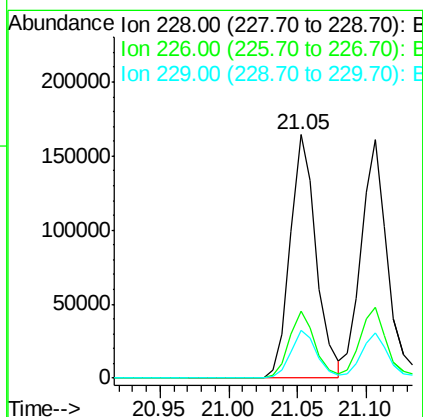
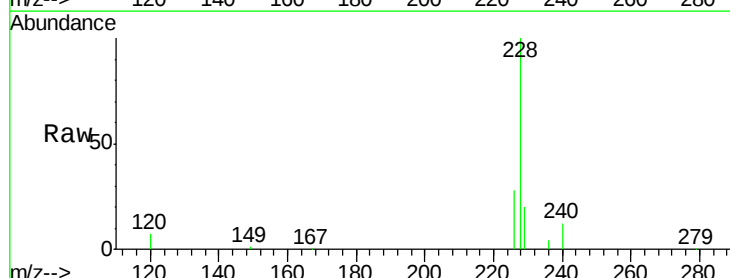
Instrument :
 BNA_E
 ClientSampleId :
 PB85487BSD

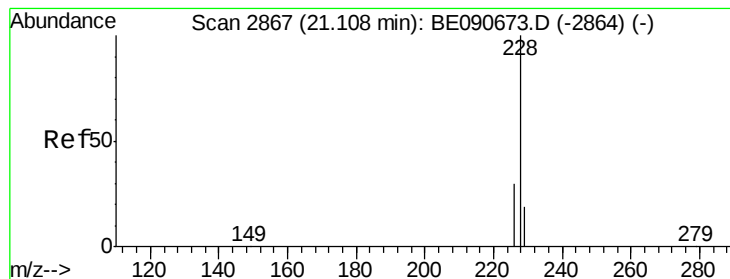
Tgt Ion:244 Resp: 117620
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 12.2 12.9 19.3#



#28
 Benzo(a)anthracene
 Concen: 2.76 ng
 RT: 21.05 min Scan# 2857
 Delta R.T. -0.01 min
 Lab File: BE090786.D
 Acq: 11 Sep 2015 16:03

Tgt Ion:228 Resp: 214073
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.6 32.4
 229 19.5 15.9 23.9





#29

Chrysene

Concen: 2.70 ng

RT: 21.11 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

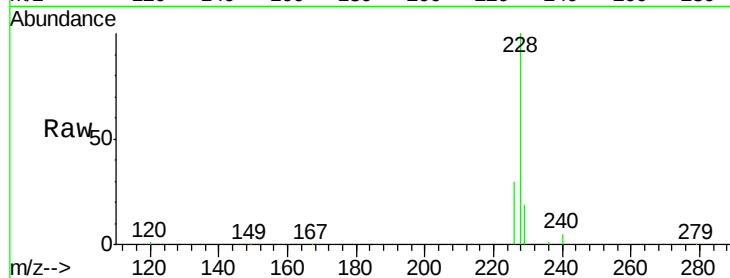
Tgt Ion: 228 Resp: 222742

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

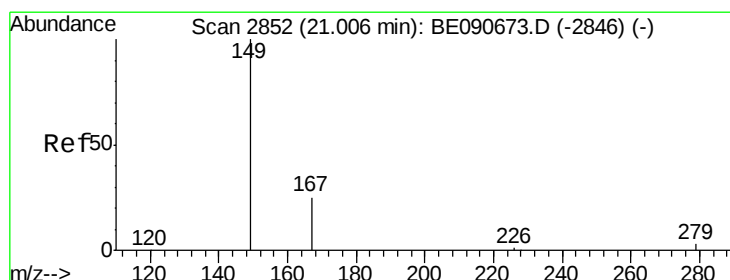
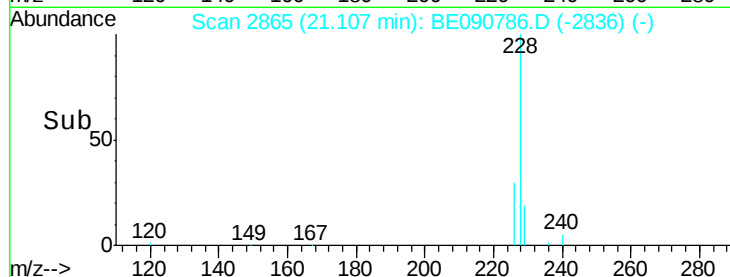
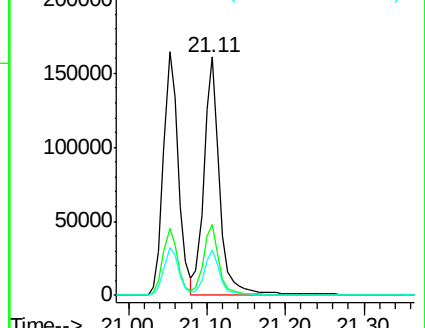
229 19.2 15.3 22.9



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: 2.52 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

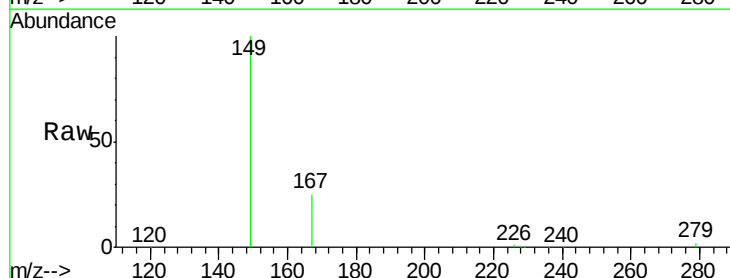
Tgt Ion: 149 Resp: 57952

Ion Ratio Lower Upper

149 100

167 25.7 20.1 30.1

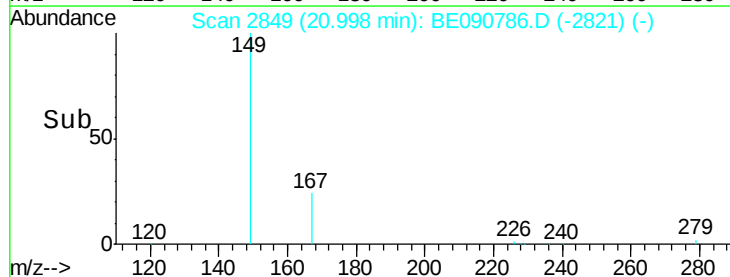
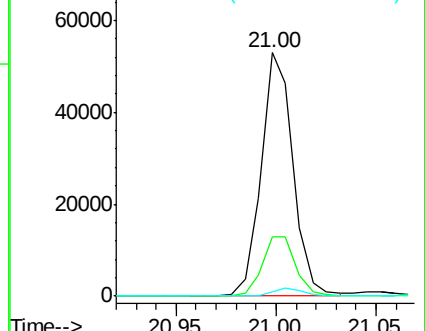
279 3.0 2.3 3.5



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: 2.63 ng

RT: 25.72 min Scan# 3813

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

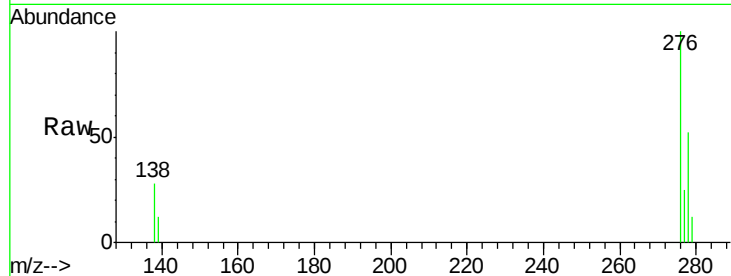
Tgt Ion: 276 Resp: 219411

Ion Ratio Lower Upper

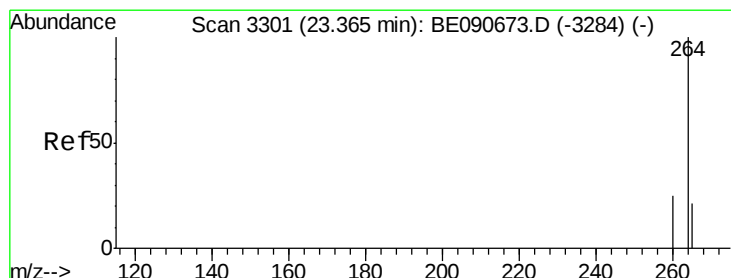
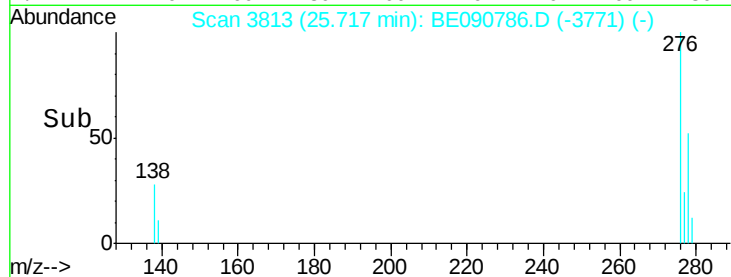
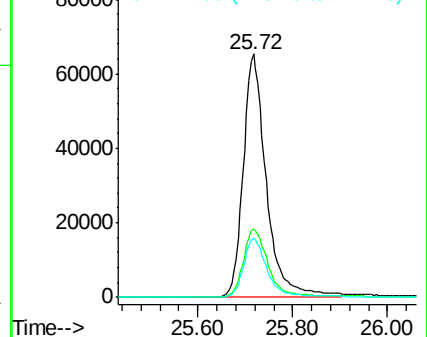
276 100

138 30.2 23.3 34.9

277 24.9 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: BE090786.D

Acq: 11 Sep 2015 16:03

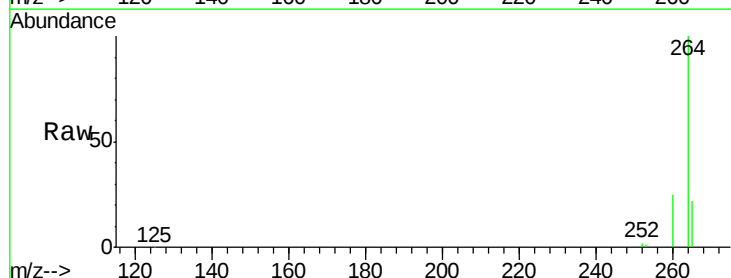
Tgt Ion: 264 Resp: 311577

Ion Ratio Lower Upper

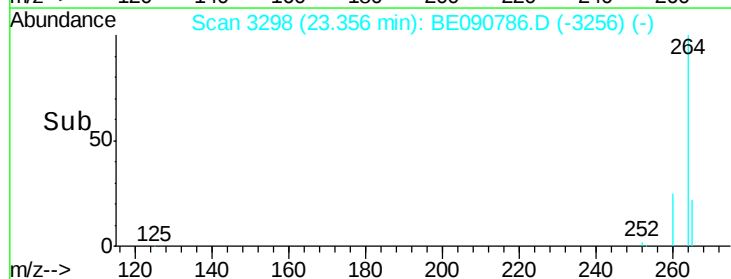
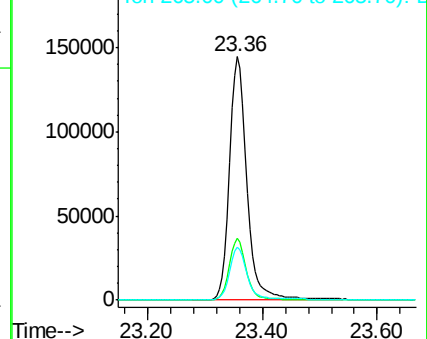
264 100

260 25.5 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: 2.78 ng

RT: 22.66 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

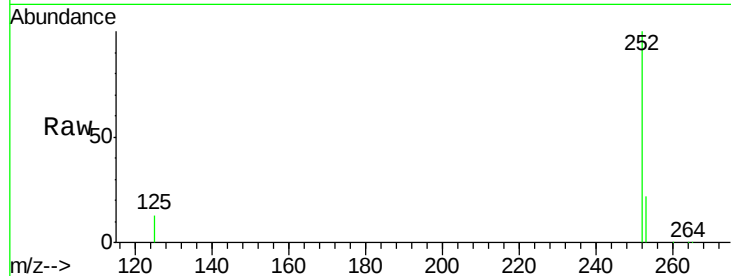
Tgt Ion:252 Resp: 187823

Ion Ratio Lower Upper

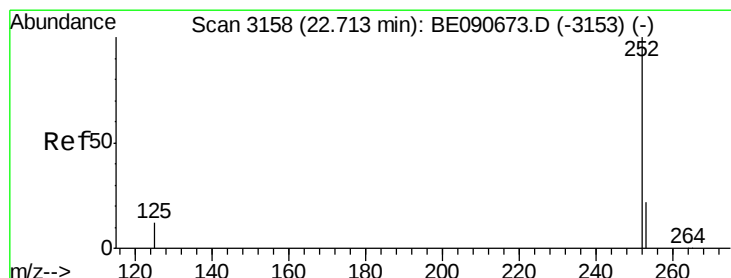
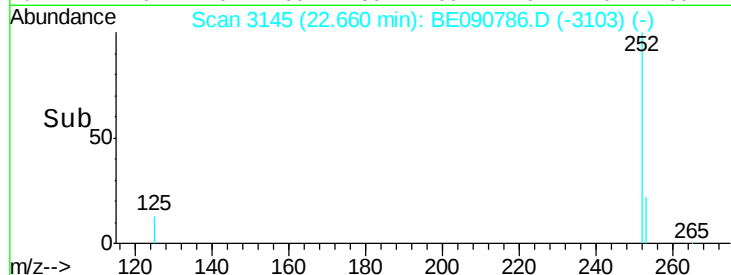
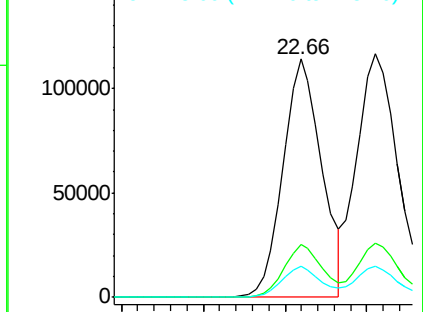
252 100

253 22.0 17.9 26.9

125 12.9 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: 2.78 ng

RT: 22.71 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

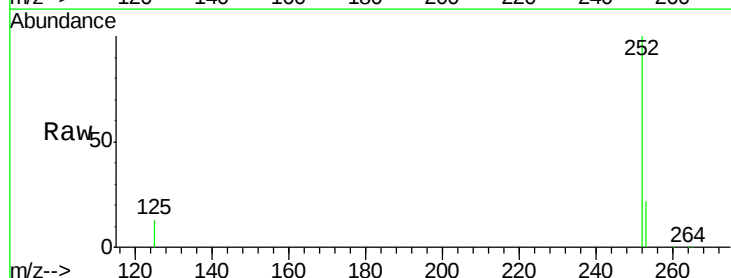
Tgt Ion:252 Resp: 218534

Ion Ratio Lower Upper

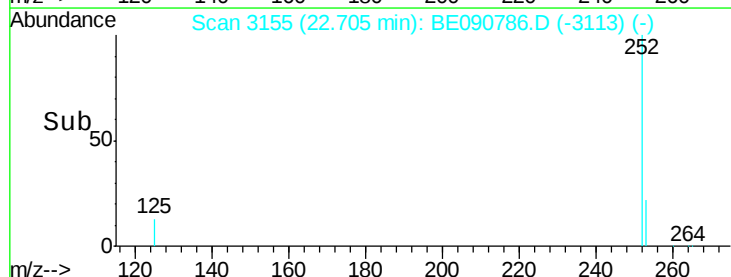
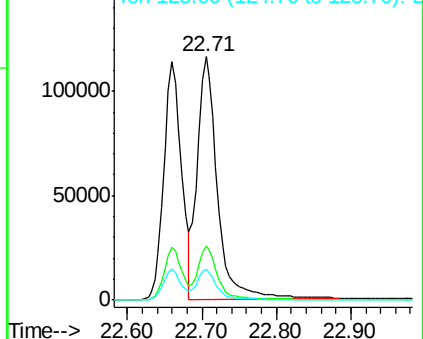
252 100

253 22.1 17.9 26.9

125 12.8 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: 2.92 ng

RT: 23.25 min Scan# 3275

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD

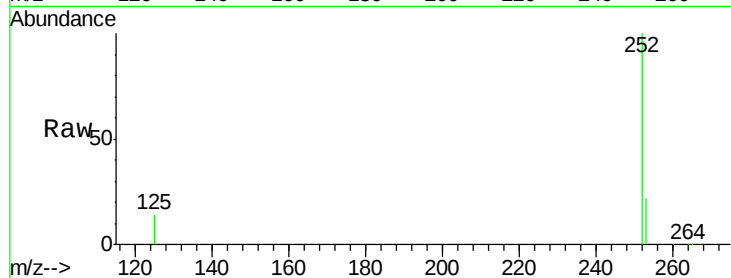
Tgt Ion: 252 Resp: 176387

Ion Ratio Lower Upper

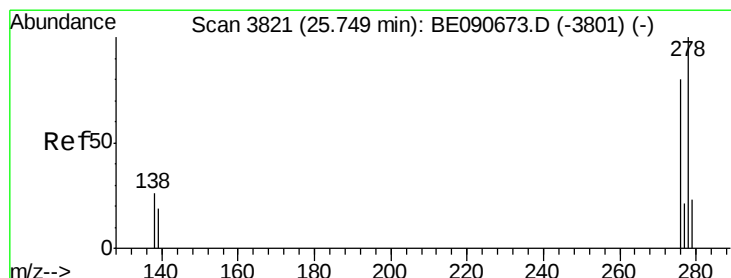
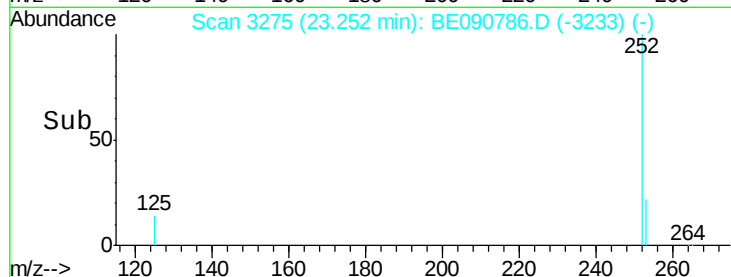
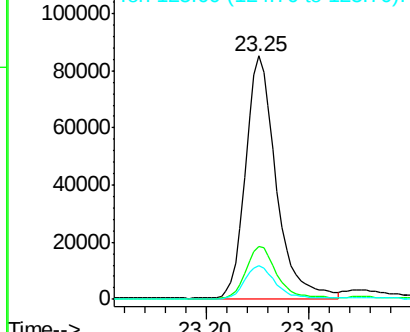
252 100

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: 2.51 ng

RT: 25.74 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BE090786.D

Acq: 11 Sep 2015 16:03

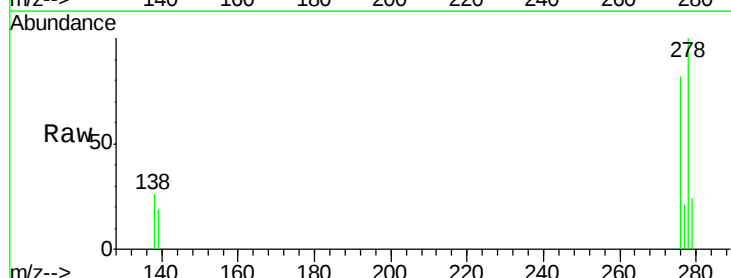
Tgt Ion: 278 Resp: 179739

Ion Ratio Lower Upper

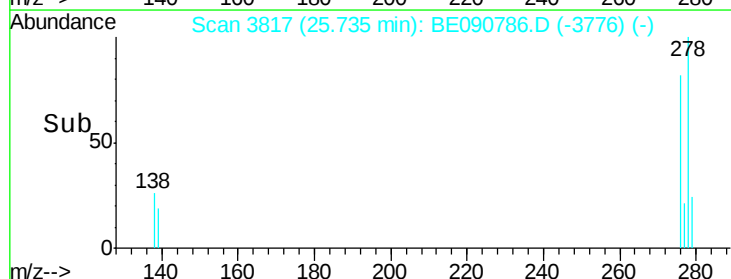
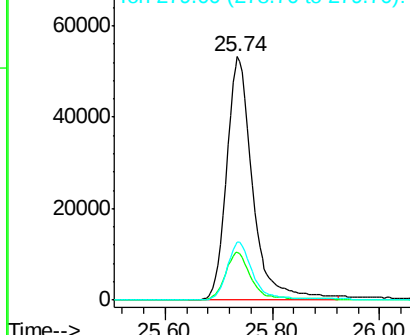
278 100

139 19.5 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(g,h,i)perylene

Concen: 2.68 ng

RT: 26.44 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BE090786.D

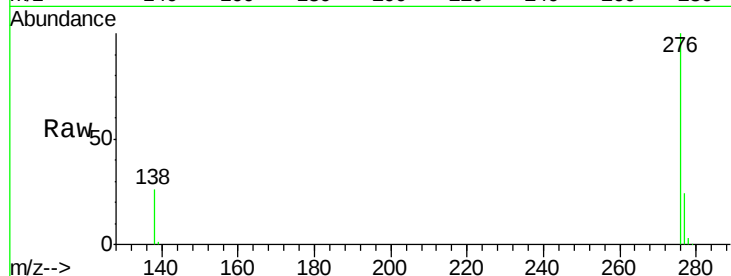
Acq: 11 Sep 2015 16:03

Instrument :

BNA_E

ClientSampleId :

PB85487BSD



Tgt Ion: 276 Resp: 186307

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 25.8 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

