

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089944.D
 Acq On : 26 Jun 2015 15:59
 Operator : TP/IZ
 Sample : PB84221BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84221BS

Quant Time: Jun 27 00:59:26 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 16:51:27 2015
 Response via : Initial Calibration

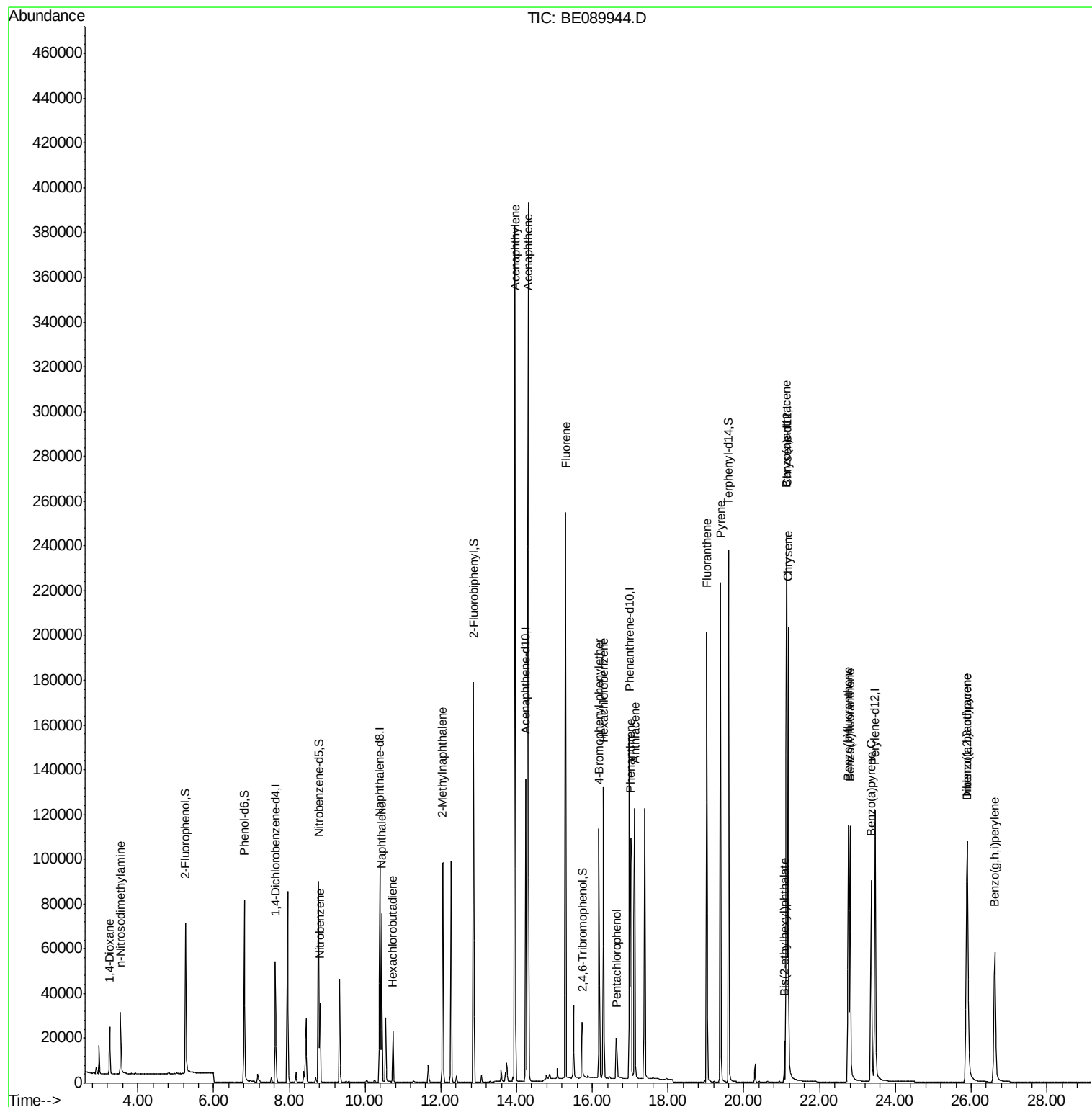
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	26000	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	122868	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	75545	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	178023	5.00	ng	0.00
25) Chrysene-d12	21.14	240	198738	5.00	ng	0.00
32) Perylene-d12	23.47	264	170373	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	50440	10.75	ng	0.00
5) Phenol-d6	6.81	99	81935	11.39	ng	0.00
7) Nitrobenzene-d5	8.77	82	71401	7.80	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	11972	8.95	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	160804	7.30	ng	0.00
27) Terphenyl-d14	19.60	244	246283	7.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.26	88	11831	3.80	ng	99
3) n-Nitrosodimethylamine	3.54	42	16992	3.64	ng	# 94
8) Nitrobenzene	8.81	77	38202	3.93	ng	97
9) Naphthalene	10.44	128	98912	3.62	ng	99
10) Hexachlorobutadiene	10.74	225	15557	3.60	ng	100
11) 2-Methylnaphthalene	12.05	142	68557	3.67	ng	99
15) Acenaphthylene	13.96	152	479290	3.62	ng	100
16) Acenaphthene	14.30	154	72212	3.71	ng	98
17) Fluorene	15.29	166	96515	3.96	ng	98
19) 4-Bromophenyl-phenylether	16.18	248	26368	3.63	ng	98
20) Hexachlorobenzene	16.30	284	117407	3.69	ng	100
21) Pentachlorophenol	16.65	266	10294	6.01	ng	97
22) Phenanthrene	17.01	178	161732	3.62	ng	99
23) Anthracene	17.12	178	155468	3.75	ng	99
24) Fluoranthene	19.02	202	182087	3.76	ng	100
26) Pyrene	19.39	202	192092	3.82	ng	99
28) Benzo(a)anthracene	21.12	228	175008	3.69	ng	99
29) Chrysene	21.17	228	187101	3.60	ng	99
30) Bis(2-ethylhexyl)phthalate	21.07	149	14577	3.60	ng	100
31) Indeno(1,2,3-cd)pyrene	25.89	276	155933	4.09	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	146355	4.06	ng	99
34) Benzo(k)fluoranthene	22.80	252	163676	4.01	ng	99
35) Benzo(a)pyrene	23.36	252	136080	4.25	ng	99
36) Dibenzo(a,h)anthracene	25.91	278	126660	4.25	ng	99
37) Benzo(g,h,i)perylene	26.62	276	132620	4.14	ng	100

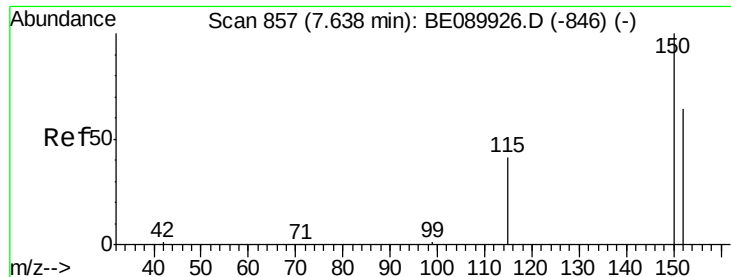
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.64 min Scan# 857

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

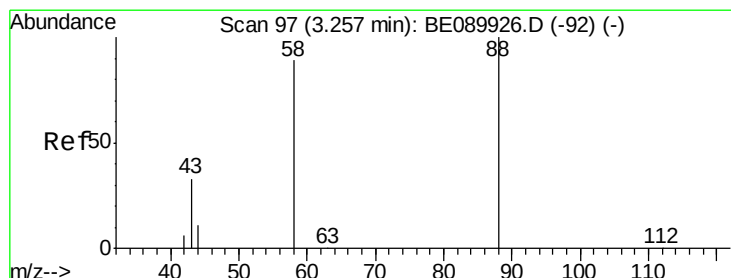
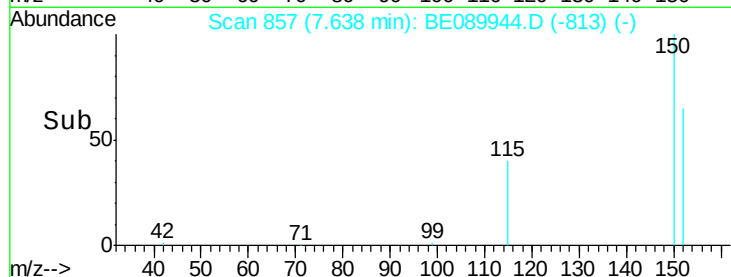
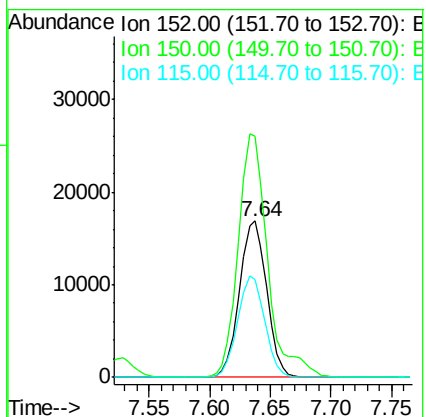
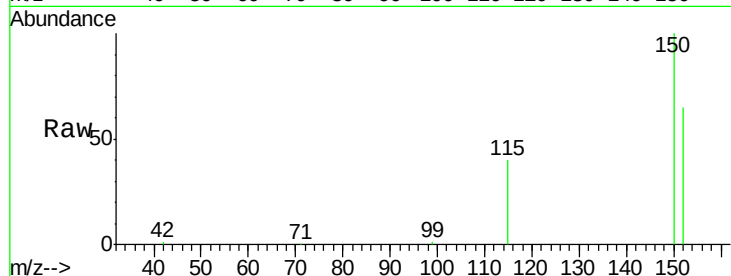
Tgt Ion:152 Resp: 26000

Ion Ratio Lower Upper

152 100

150 154.5 124.6 186.8

115 62.6 51.6 77.4



#2

1,4-Dioxane

Concen: 3.80 ng

RT: 3.26 min Scan# 97

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

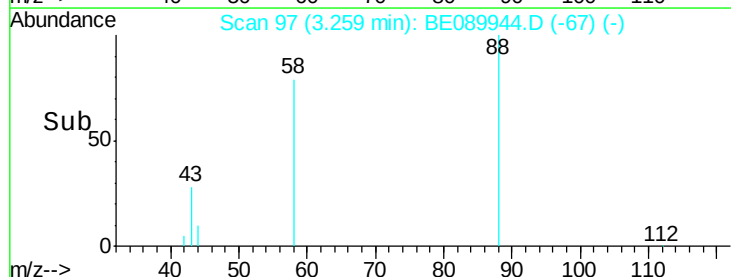
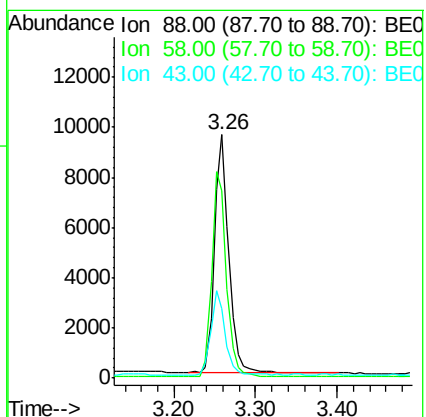
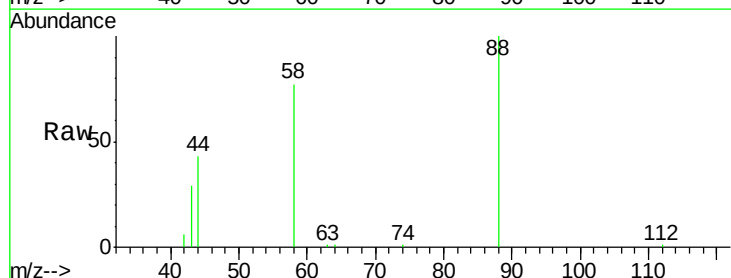
Tgt Ion: 88 Resp: 11831

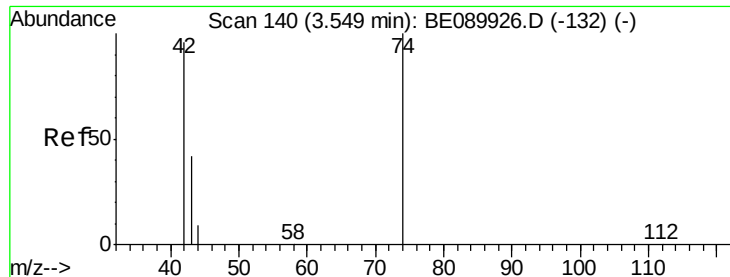
Ion Ratio Lower Upper

88 100

58 88.1 70.8 106.2

43 35.2 26.8 40.2





#3

n-Nitrosodimethylamine

Concen: 3.64 ng

RT: 3.54 min Scan# 139

Delta R.T. -0.01 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

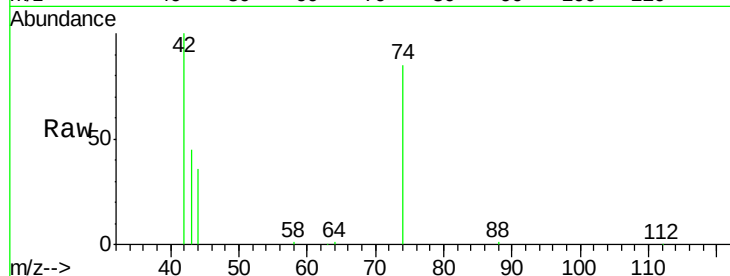
Tgt Ion: 42 Resp: 16992

Ion Ratio Lower Upper

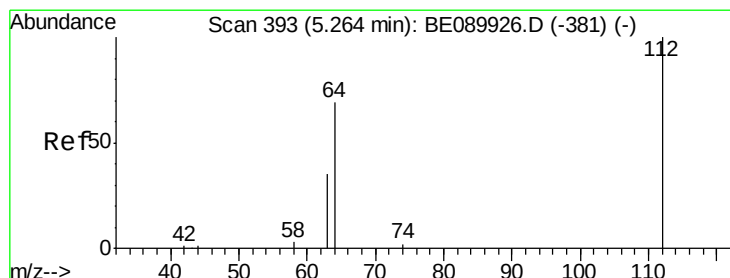
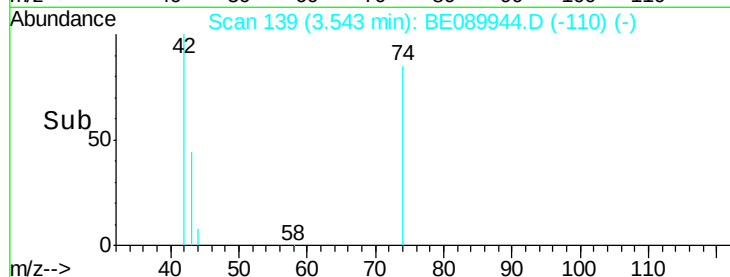
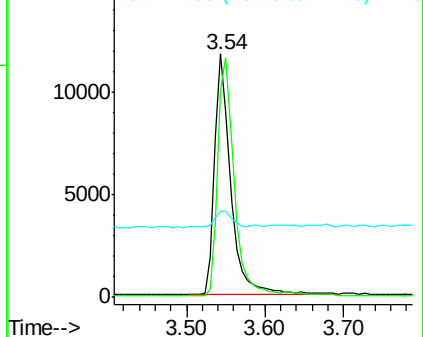
42 100

74 100.9 85.4 128.2

44 8.4 8.4 12.6#



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: 10.75 ng

RT: 5.27 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

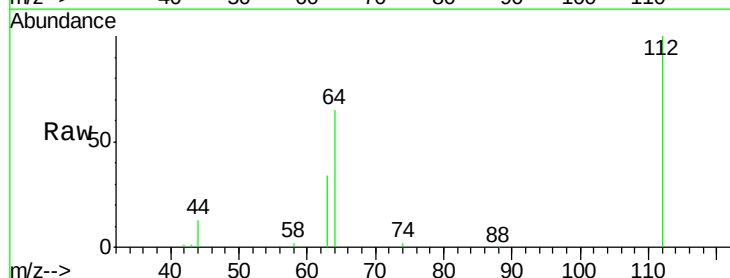
Tgt Ion: 112 Resp: 50440

Ion Ratio Lower Upper

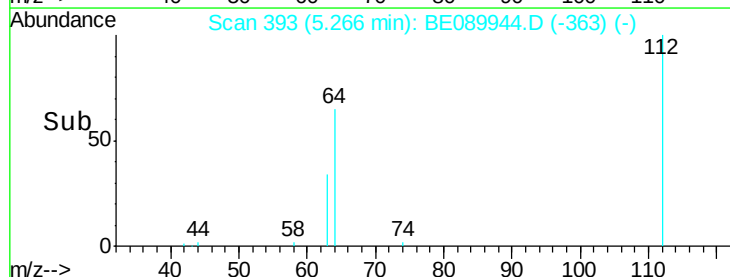
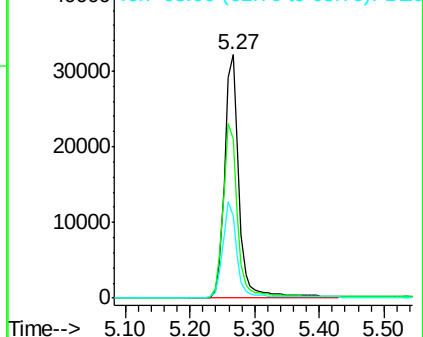
112 100

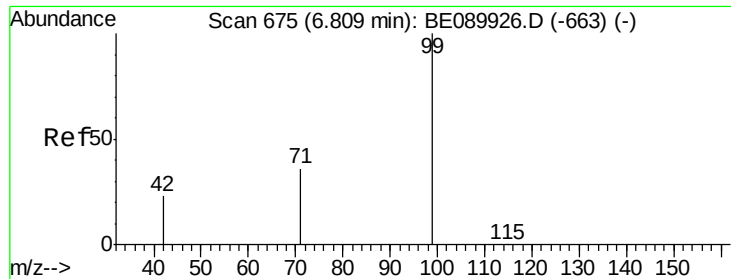
64 72.1 57.4 86.2

63 39.0 31.2 46.8



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: 11.39 ng

RT: 6.81 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

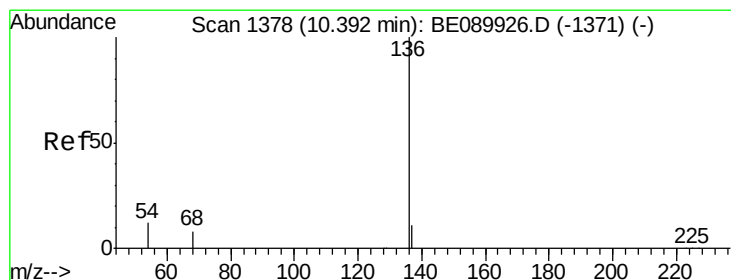
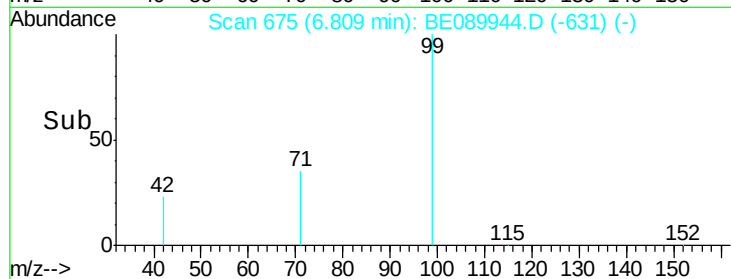
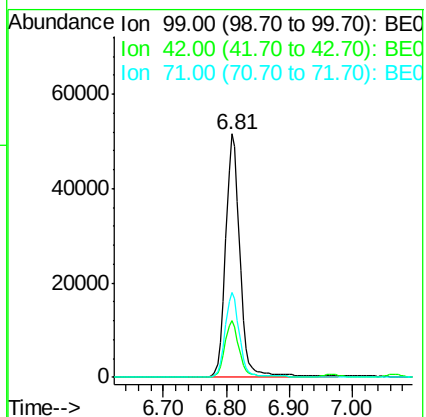
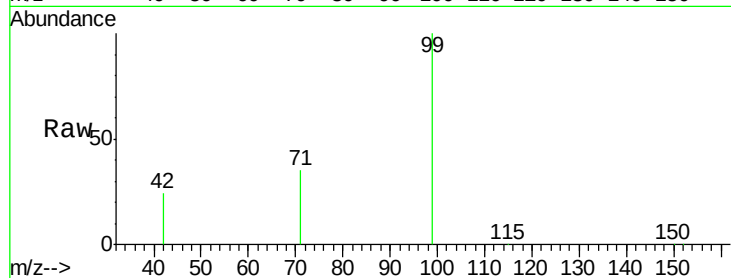
Tgt Ion: 99 Resp: 81935

Ion Ratio Lower Upper

99 100

42 23.7 19.5 29.3

71 34.7 27.8 41.6



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Tgt Ion: 136 Resp: 122868

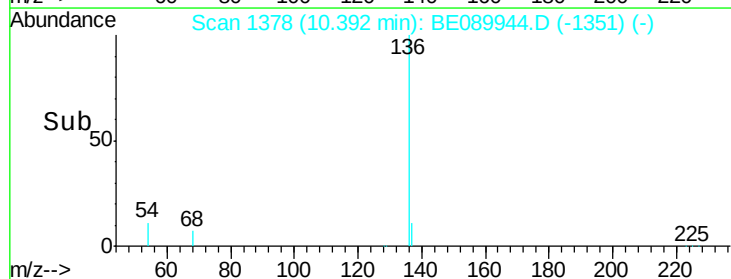
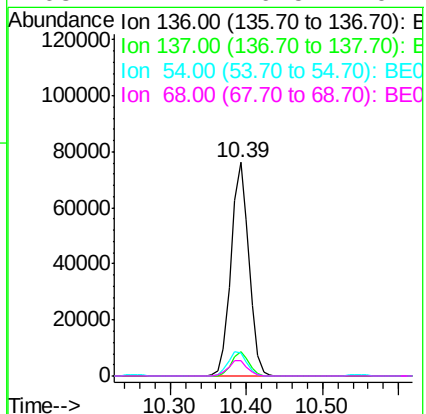
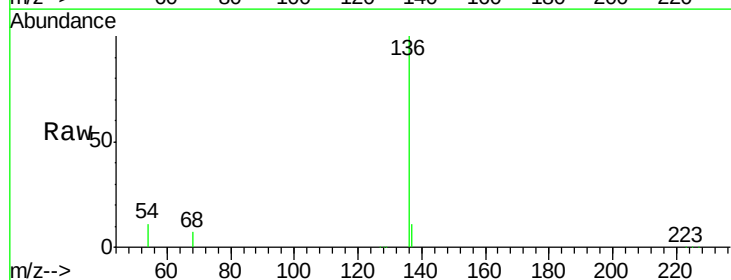
Ion Ratio Lower Upper

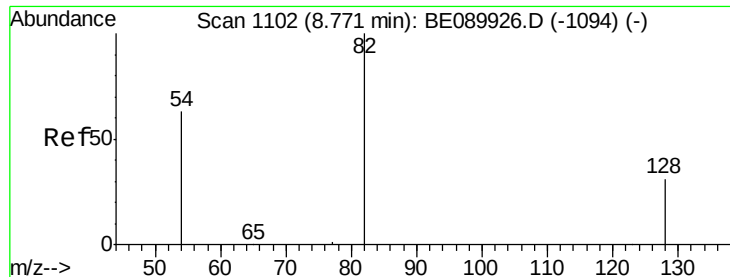
136 100

137 11.1 8.7 13.1

54 11.0 9.7 14.5

68 7.4 6.5 9.7





#7

Nitrobenzene-d5

Concen: 7.80 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

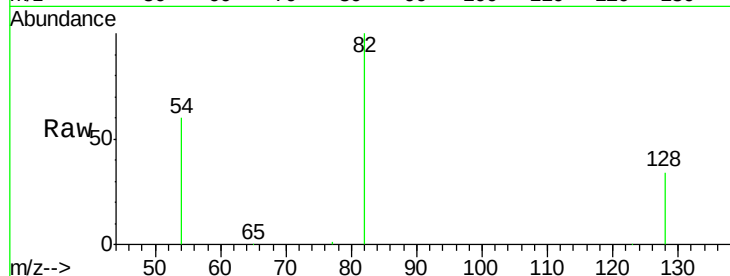
Tgt Ion: 82 Resp: 71401

Ion Ratio Lower Upper

82 100

128 34.1 25.6 38.4

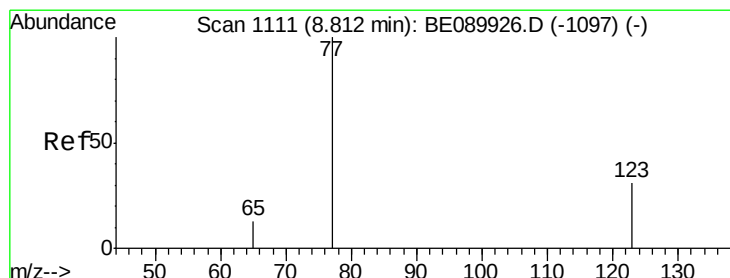
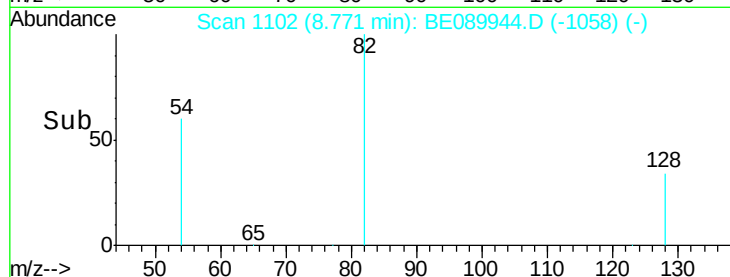
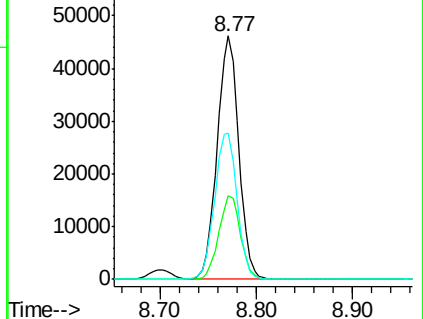
54 59.9 51.2 76.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 3.93 ng

RT: 8.81 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

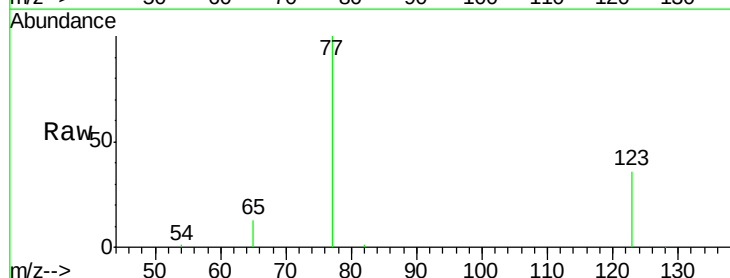
Tgt Ion: 77 Resp: 38202

Ion Ratio Lower Upper

77 100

123 35.5 26.6 39.8

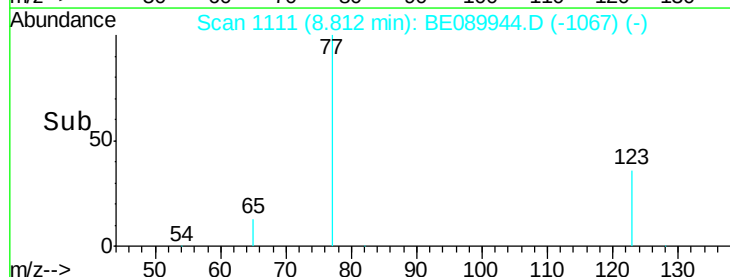
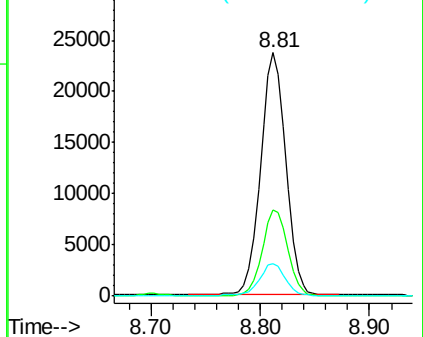
65 13.4 10.2 15.4

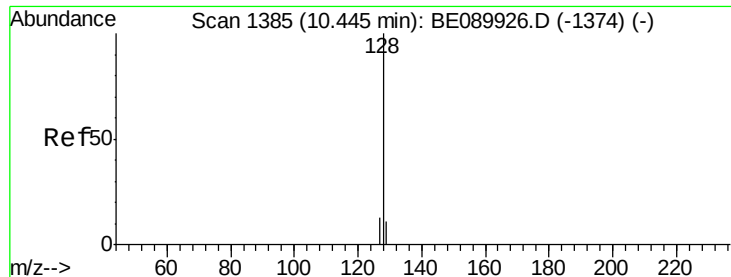


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 3.62 ng

RT: 10.44 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

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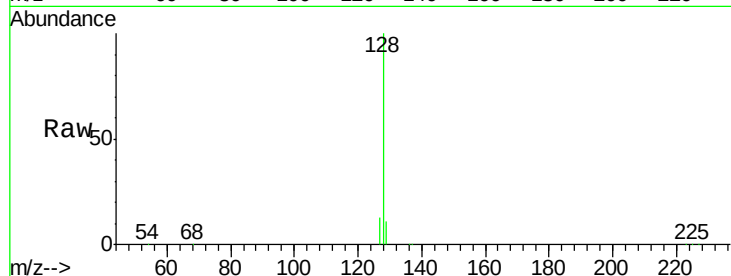
Tgt Ion:128 Resp: 98912

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

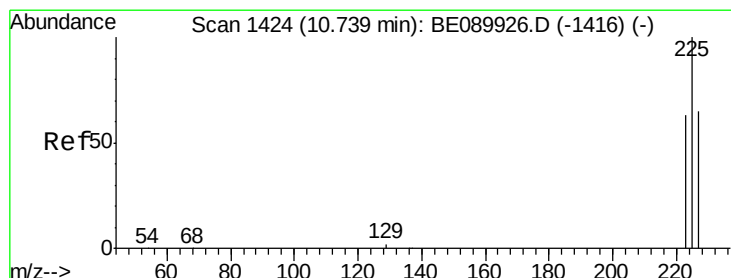
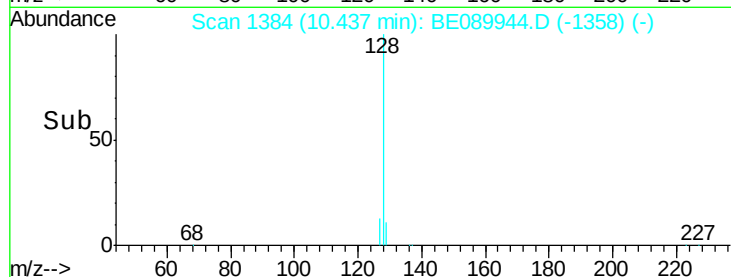
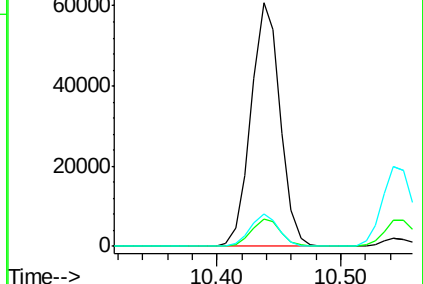
127 13.2 10.2 15.4



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: 3.60 ng

RT: 10.74 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

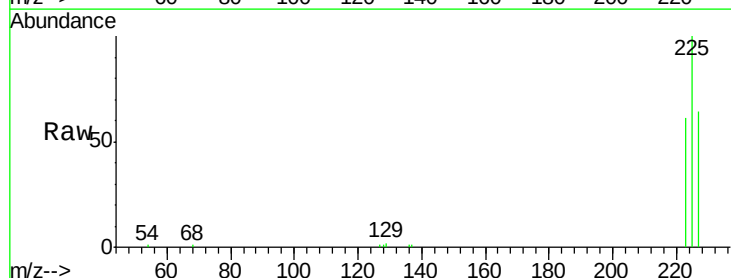
Tgt Ion:225 Resp: 15557

Ion Ratio Lower Upper

225 100

223 62.2 50.0 75.0

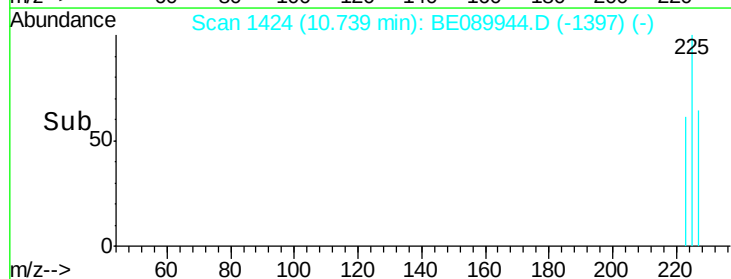
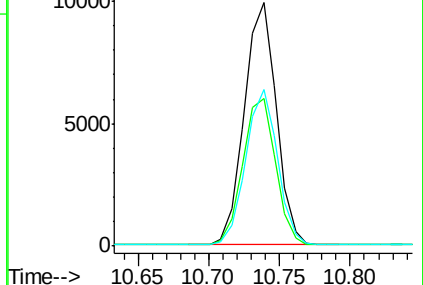
227 63.4 50.7 76.1

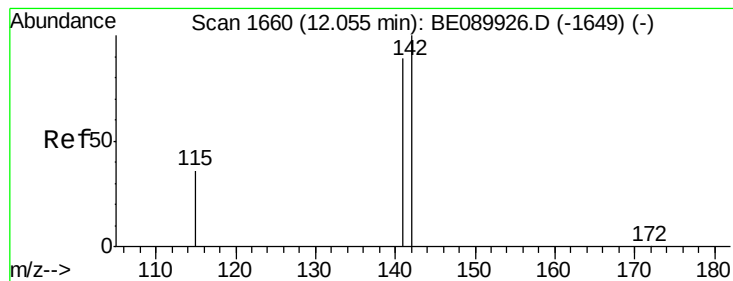


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.67 ng

RT: 12.05 min Scan# 1660

Delta R.T. -0.00 min

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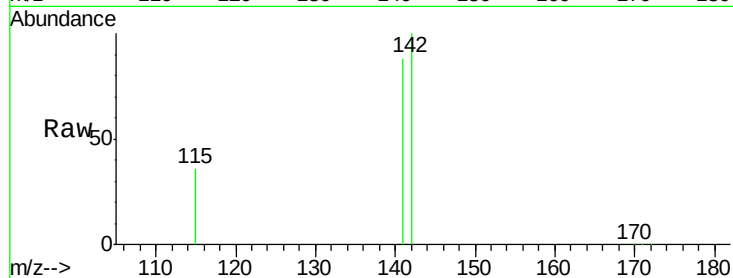
Tgt Ion:142 Resp: 68557

Ion Ratio Lower Upper

142 100

141 87.8 71.1 106.7

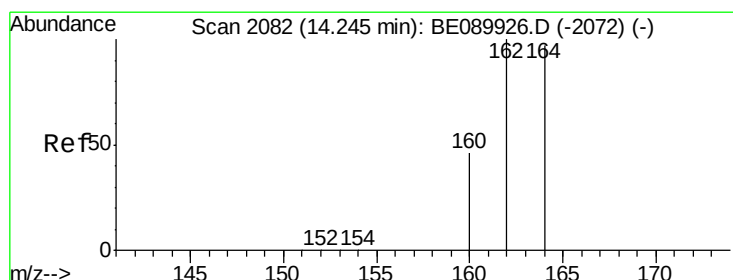
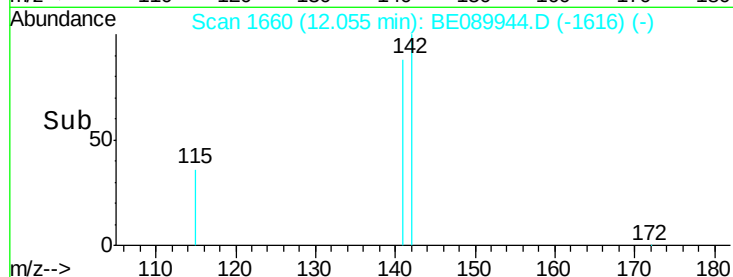
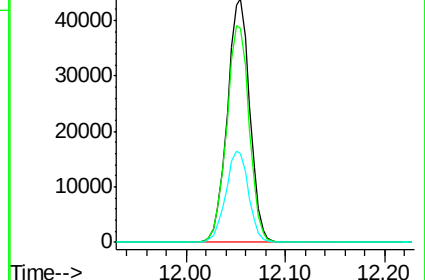
115 36.3 29.1 43.7



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: 14.24 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

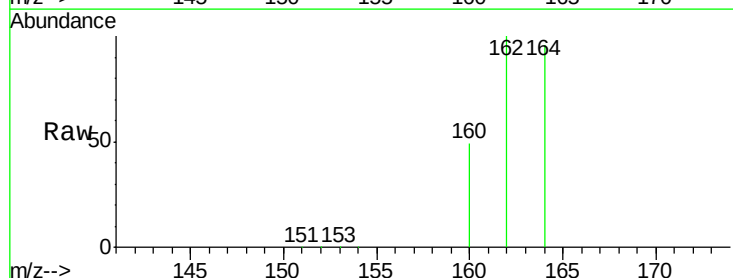
Tgt Ion:164 Resp: 75545

Ion Ratio Lower Upper

164 100

162 104.4 82.7 124.1

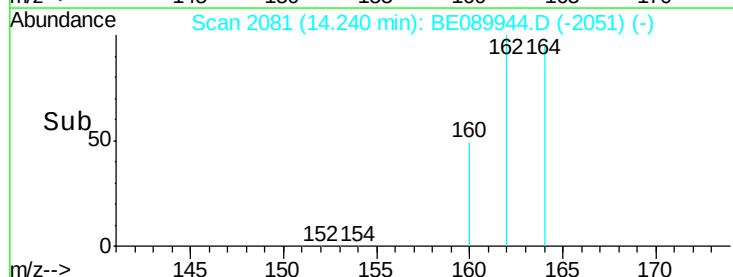
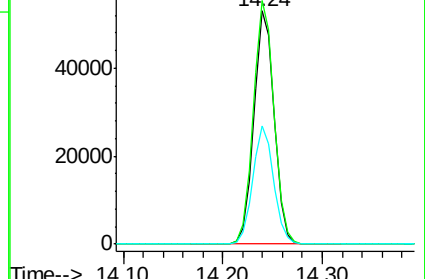
160 50.7 38.3 57.5

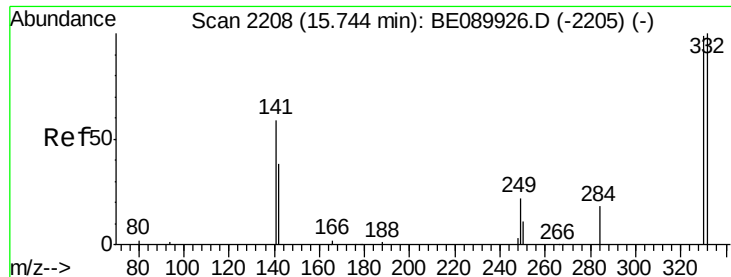


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

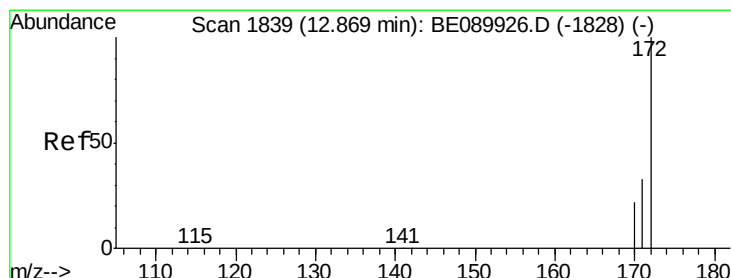
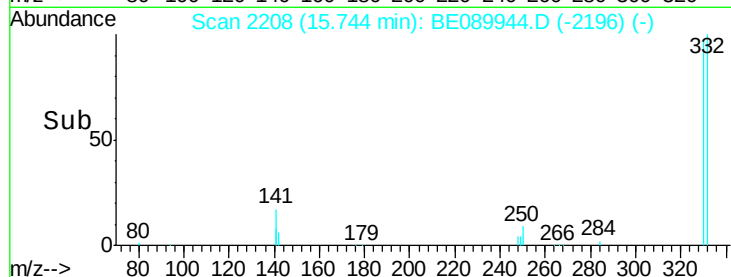
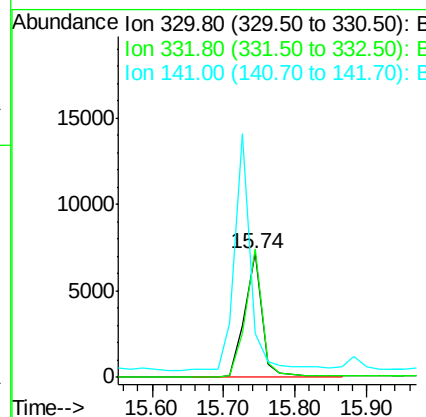
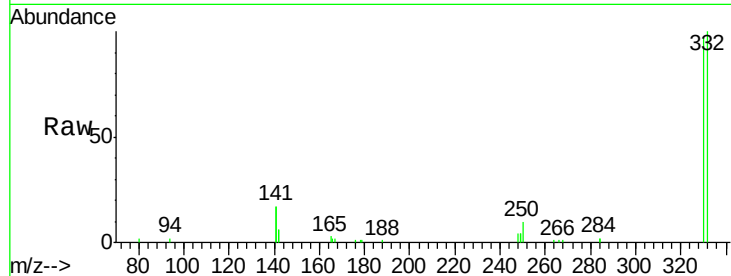




#13
 2,4,6-Tribromophenol
 Concen: 8.95 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089944.D
 Acq: 26 Jun 2015 15:59

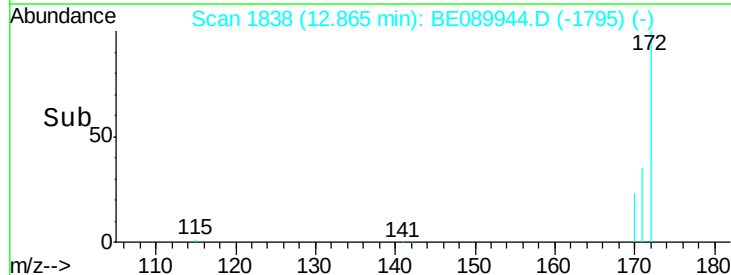
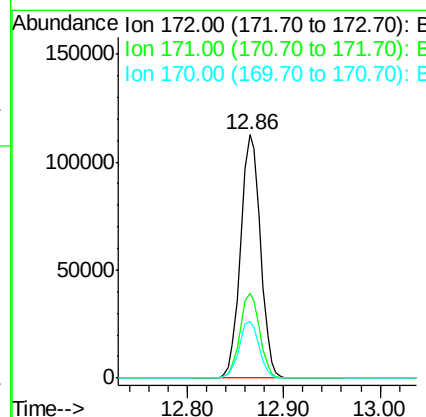
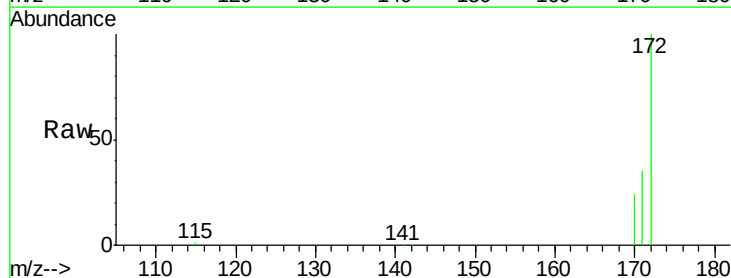
Instrument :
 BNA_E
 ClientSampleId :
 PB84221BS

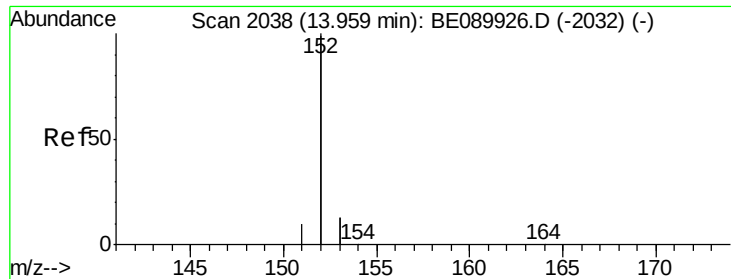
Tgt Ion:330 Resp: 11972
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.9 116.9
 141 175.3 142.8 214.2



#14
 2-Fluorobiphenyl
 Concen: 7.30 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089944.D
 Acq: 26 Jun 2015 15:59

Tgt Ion:172 Resp: 160804
 Ion Ratio Lower Upper
 172 100
 171 34.6 26.7 40.1
 170 23.5 17.5 26.3





#15

Acenaphthylene

Concen: 3.62 ng

RT: 13.96 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

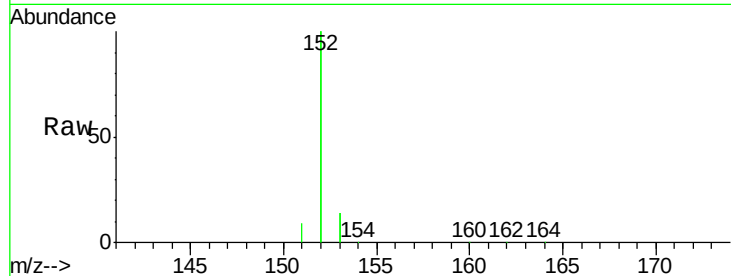
Tgt Ion:152 Resp: 479290

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

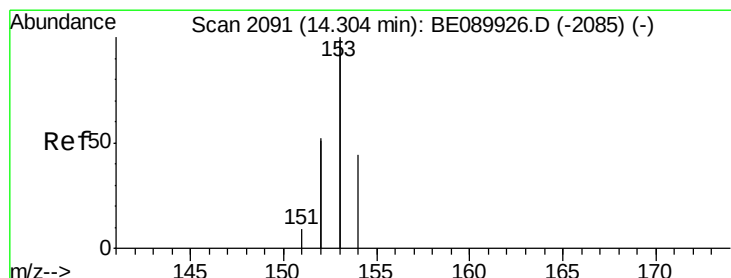
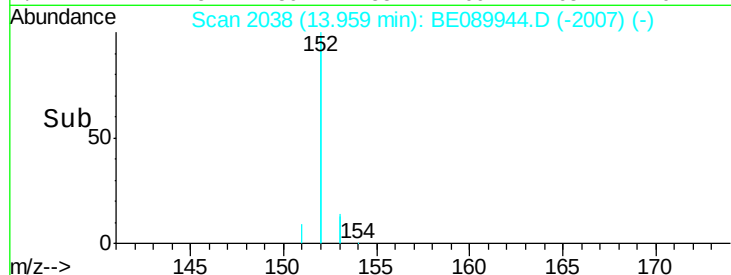
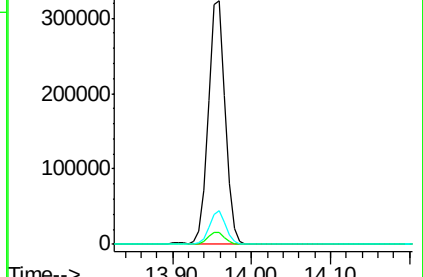
153 13.1 10.4 15.6



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: 3.71 ng

RT: 14.30 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

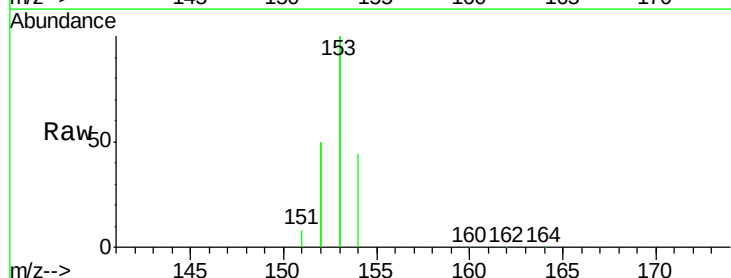
Tgt Ion:154 Resp: 72212

Ion Ratio Lower Upper

154 100

153 450.5 362.8 544.2

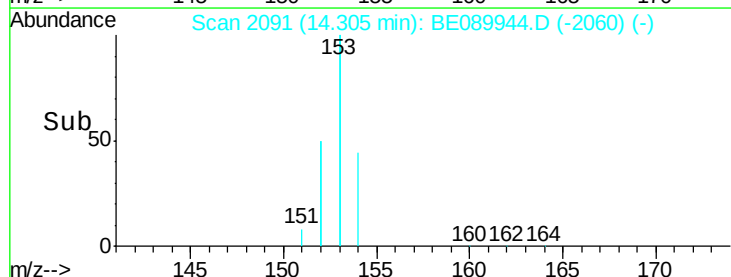
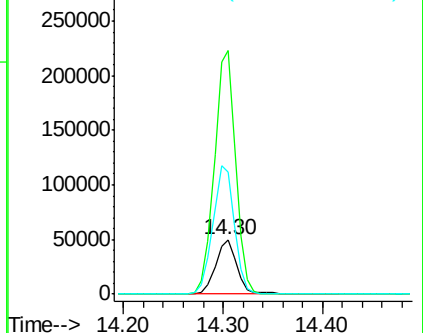
152 239.4 194.6 291.8

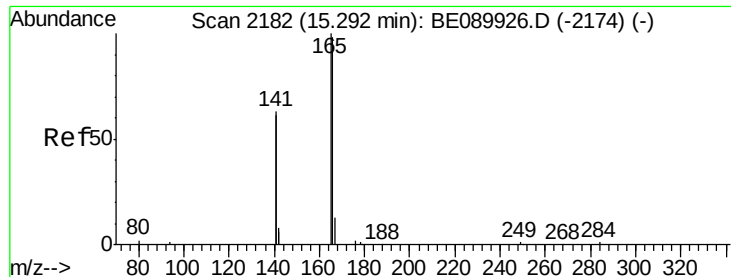


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

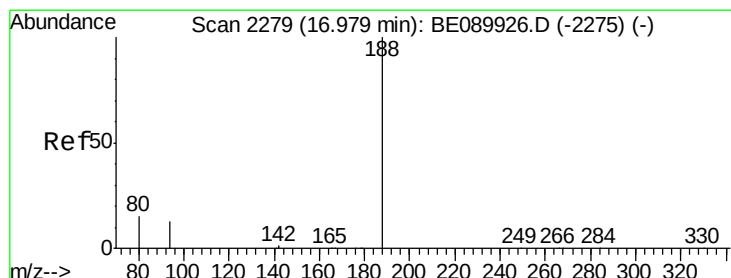
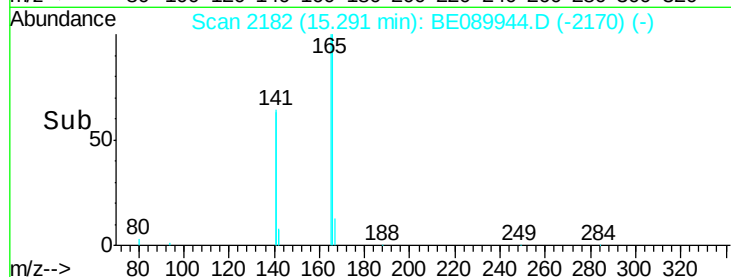
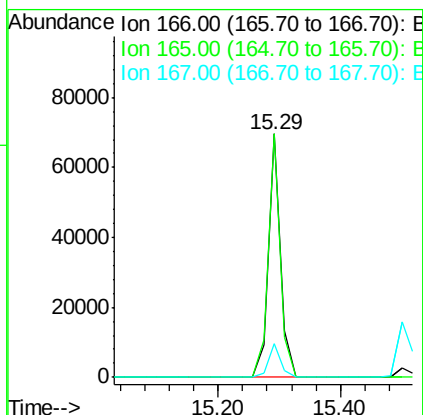
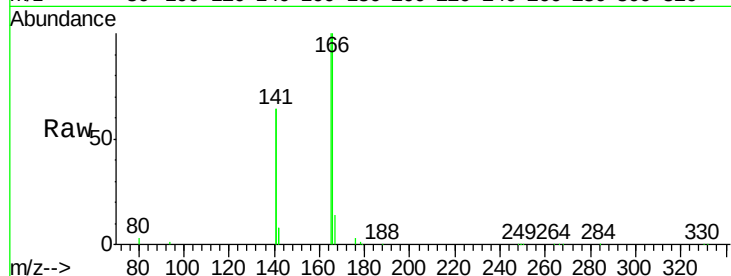




#17
Fluorene
 Concen: 3.96 ng
 RT: 15.29 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BE089944.D
 Acq: 26 Jun 2015 15:59

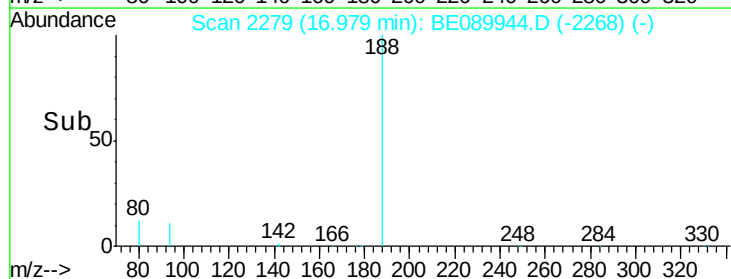
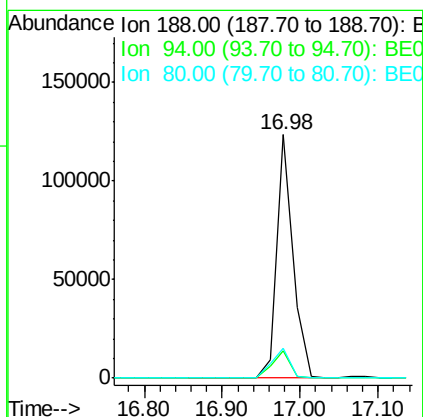
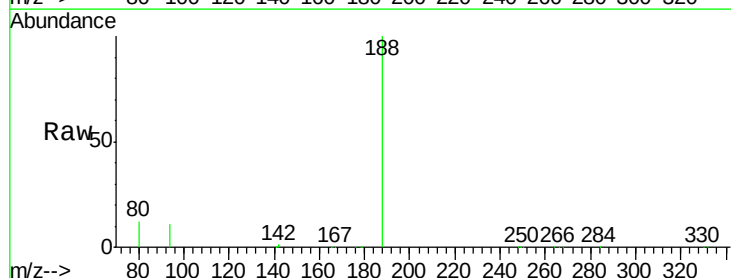
Instrument :
 BNA_E
 ClientSampleId :
 PB84221BS

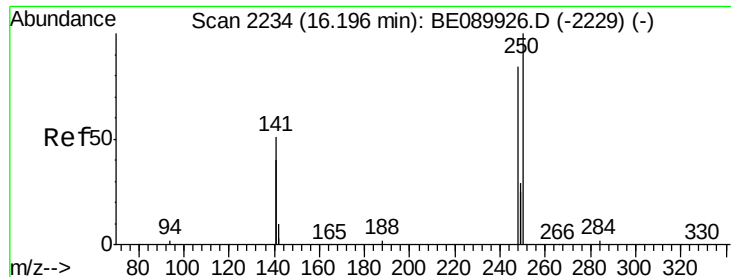
Tgt Ion:166 Resp: 96515
 Ion Ratio Lower Upper
 166 100
 165 99.6 81.1 121.7
 167 13.8 11.8 17.8



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE089944.D
 Acq: 26 Jun 2015 15:59

Tgt Ion:188 Resp: 178023
 Ion Ratio Lower Upper
 188 100
 94 11.0 10.6 16.0
 80 12.0 11.8 17.6

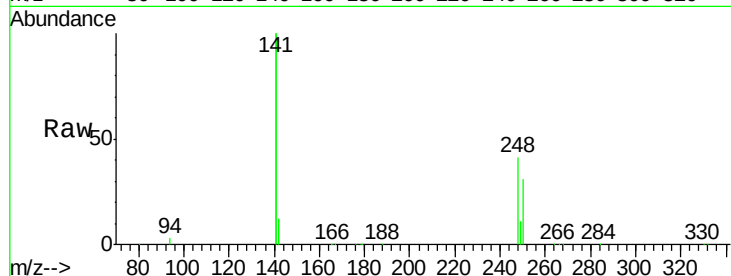




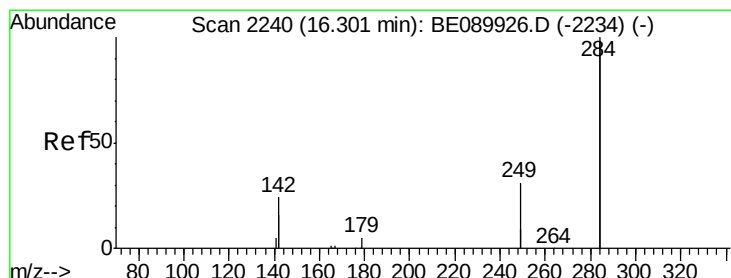
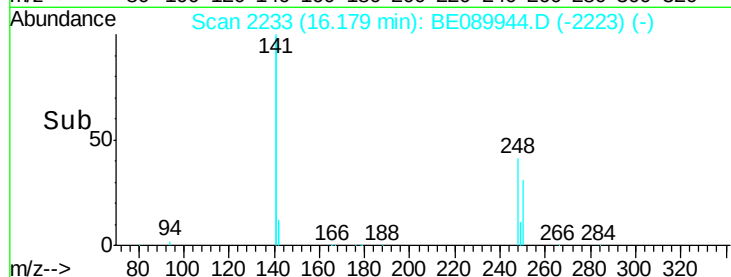
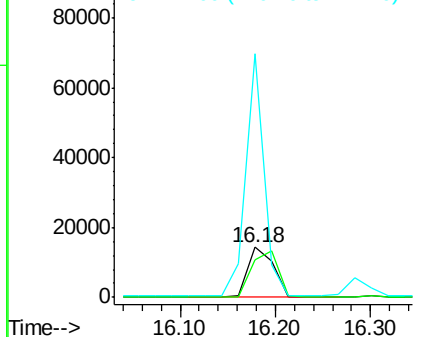
#19
4-Bromophenyl-phenylether
Concen: 3.63 ng
RT: 16.18 min Scan# 2233
Delta R.T. -0.02 min
Lab File: BE089944.D
Acq: 26 Jun 2015 15:59

Instrument :
BNA_E
ClientSampleId :
PB84221BS

Tgt Ion:248 Resp: 26368
Ion Ratio Lower Upper
248 100
250 97.3 79.3 118.9
141 345.8 274.1 411.1

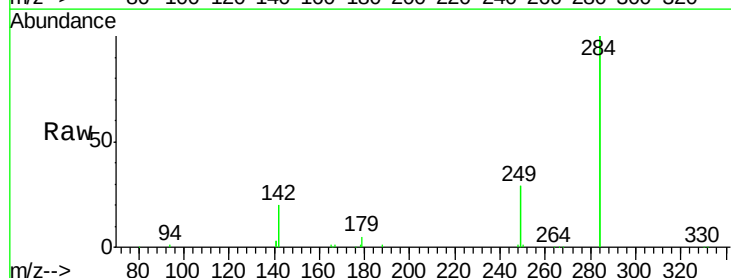


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

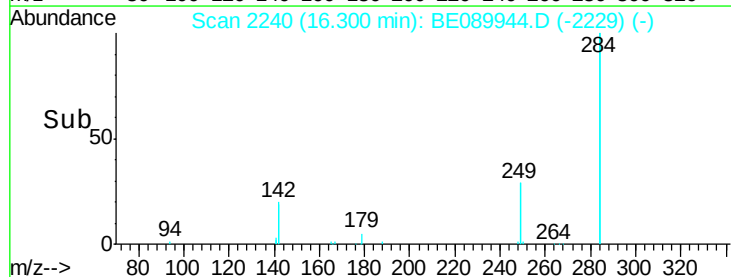
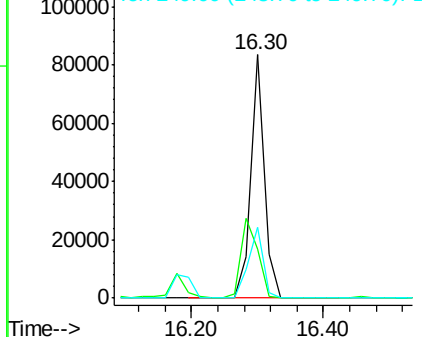


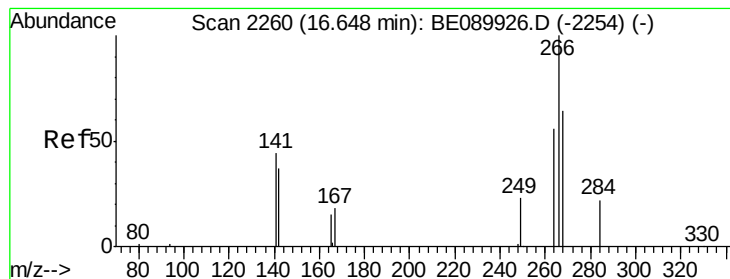
#20
Hexachlorobenzene
Concen: 3.69 ng
RT: 16.30 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE089944.D
Acq: 26 Jun 2015 15:59

Tgt Ion:284 Resp: 117407
Ion Ratio Lower Upper
284 100
142 40.0 32.0 48.0
249 31.6 25.0 37.6



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: 6.01 ng

RT: 16.65 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

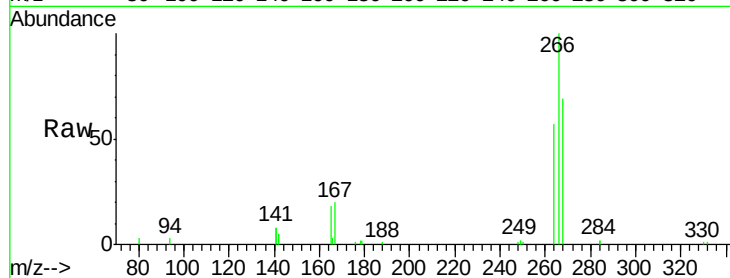
Tgt Ion:266 Resp: 10294

Ion Ratio Lower Upper

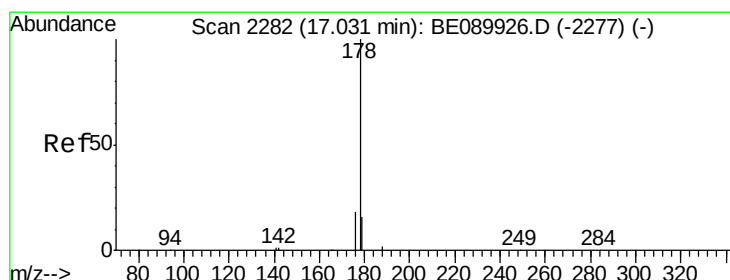
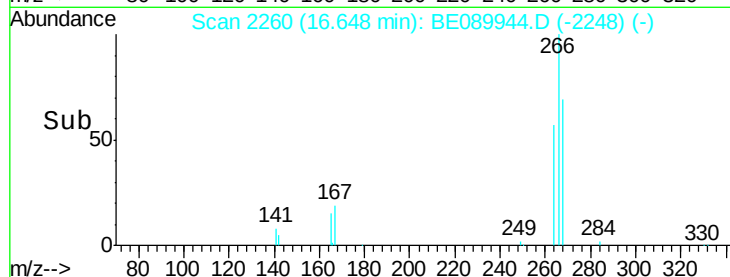
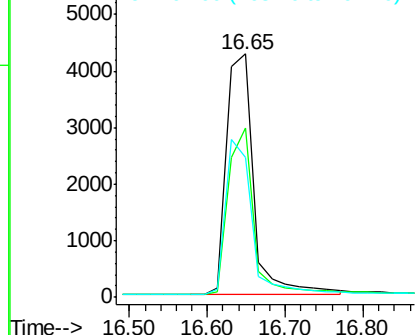
266 100

268 69.3 54.4 81.6

264 57.4 48.2 72.2



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: 3.62 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

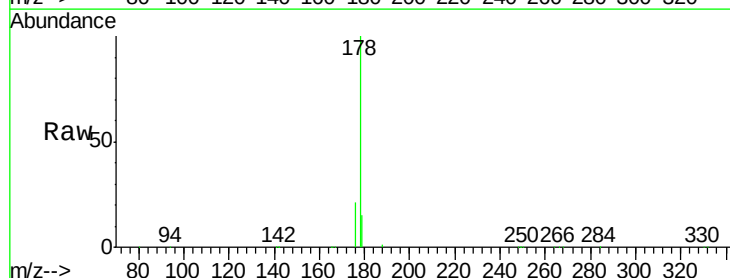
Tgt Ion:178 Resp: 161732

Ion Ratio Lower Upper

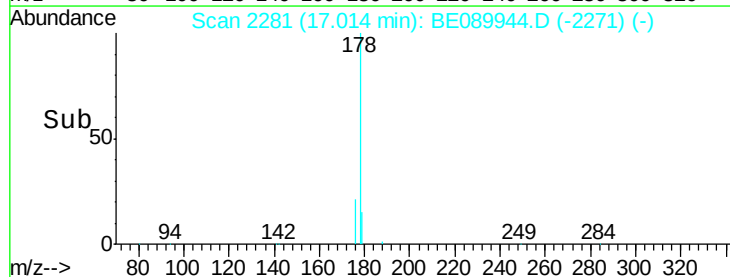
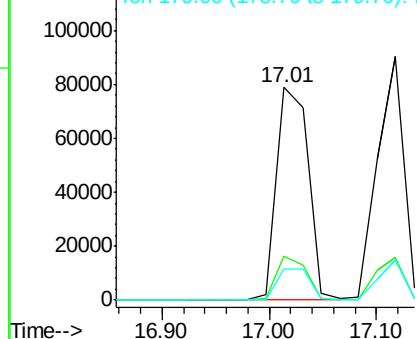
178 100

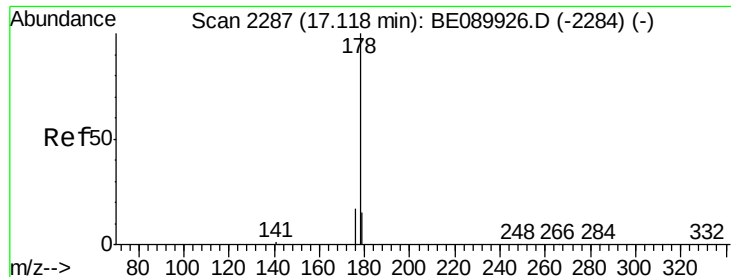
176 19.4 15.4 23.2

179 15.4 12.6 19.0



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: 3.75 ng

RT: 17.12 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

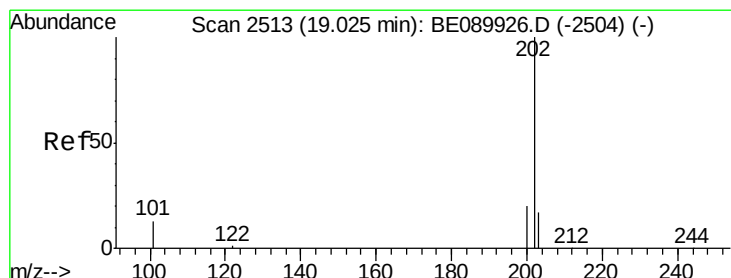
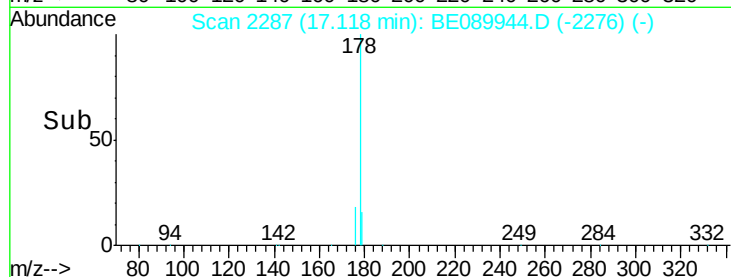
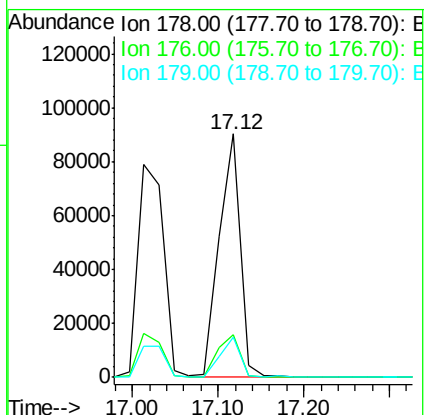
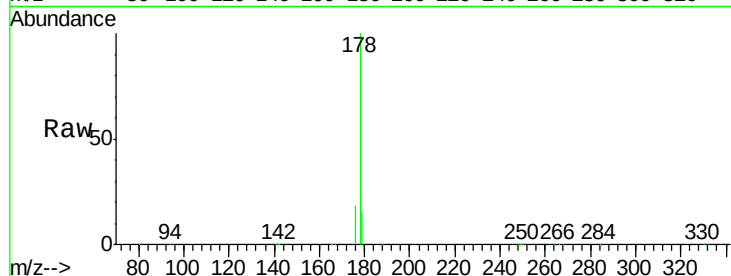
Tgt Ion:178 Resp: 155468

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

179 15.9 12.3 18.5



#24

Fluoranthene

Concen: 3.76 ng

RT: 19.02 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

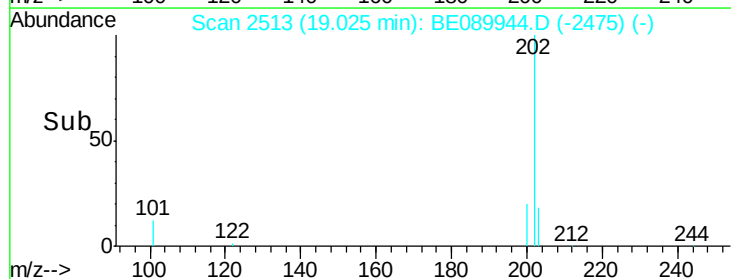
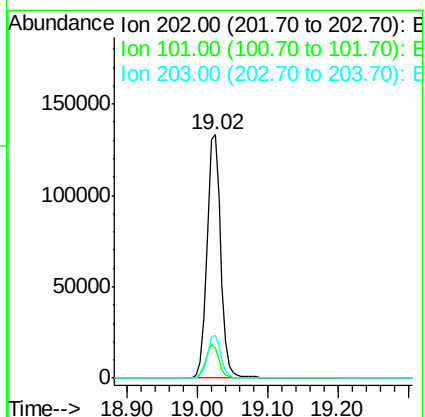
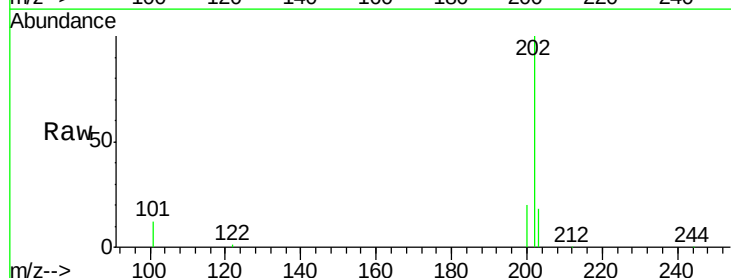
Tgt Ion:202 Resp: 182087

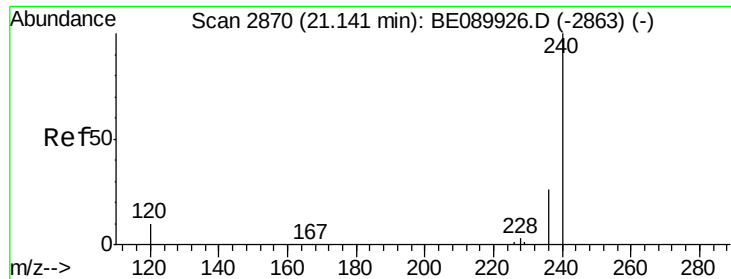
Ion Ratio Lower Upper

202 100

101 13.0 10.6 16.0

203 17.4 13.8 20.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.14 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

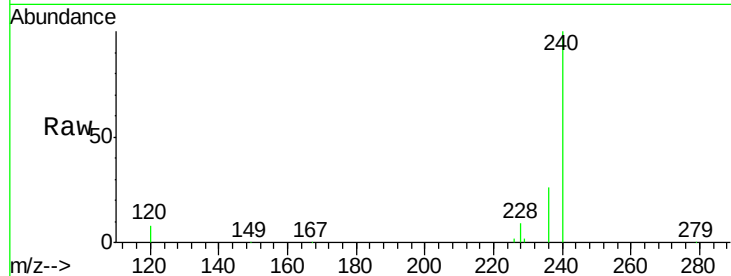
Tgt Ion:240 Resp: 198738

Ion Ratio Lower Upper

240 100

120 8.4 7.9 11.9

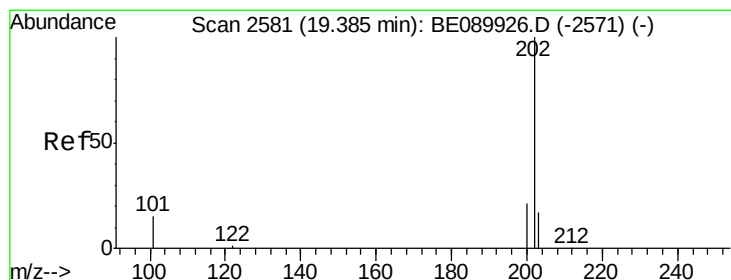
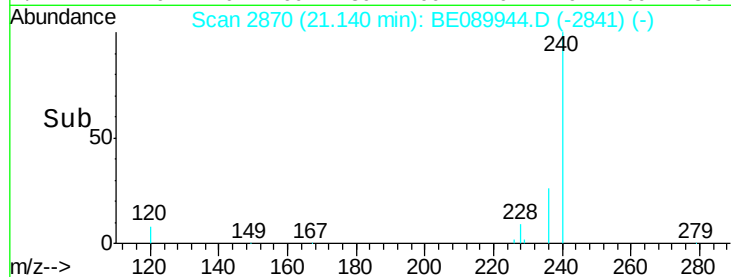
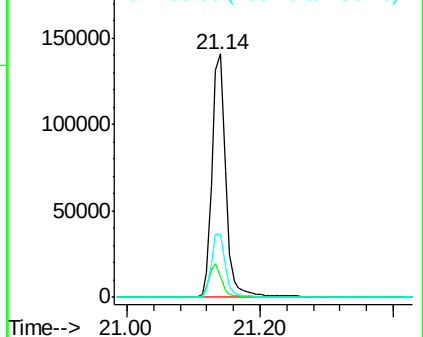
236 25.8 21.2 31.8



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: 3.82 ng

RT: 19.39 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

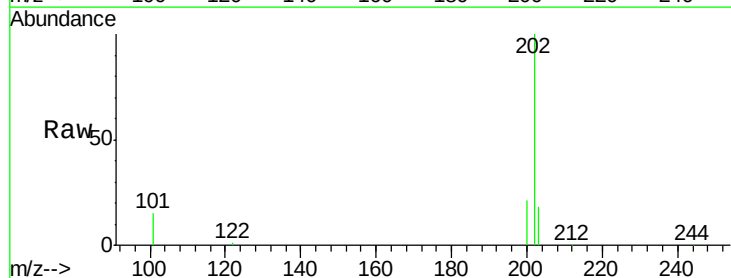
Tgt Ion:202 Resp: 192092

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

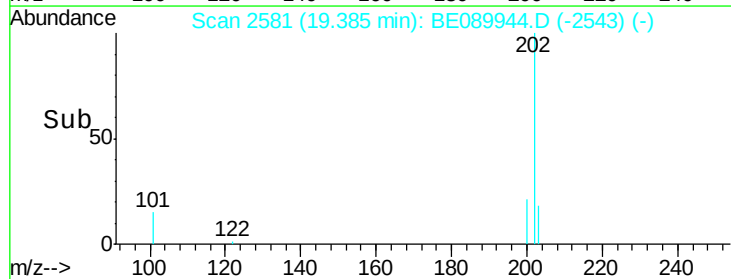
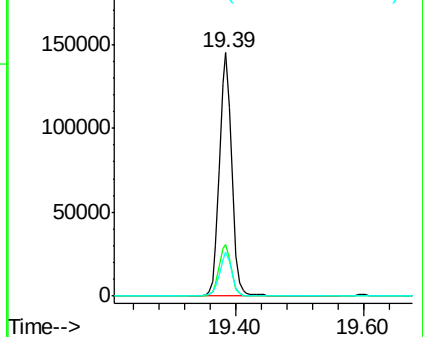
203 18.0 13.9 20.9

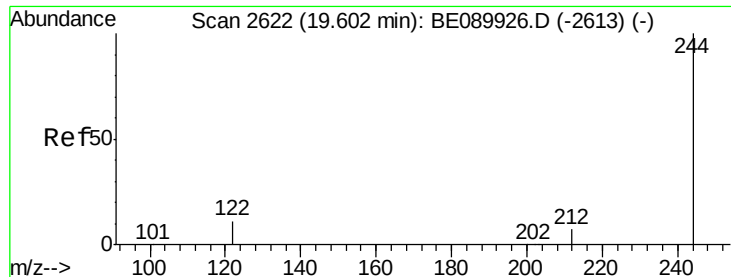


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

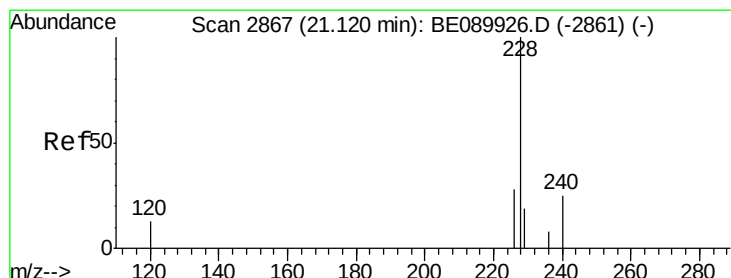
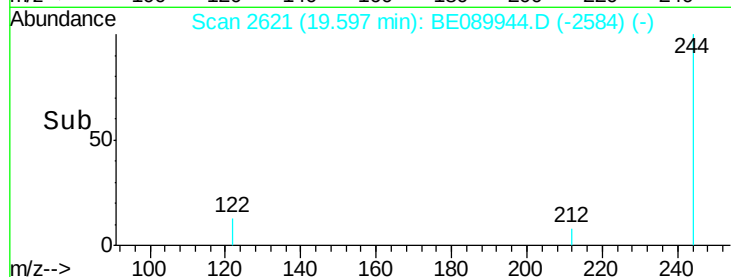
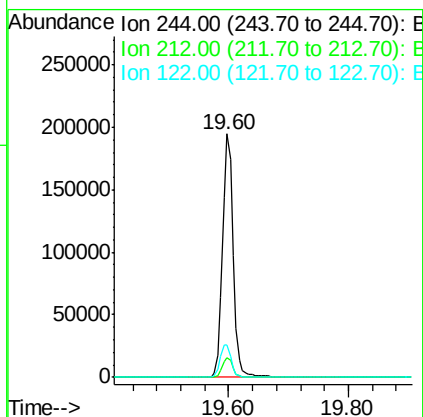
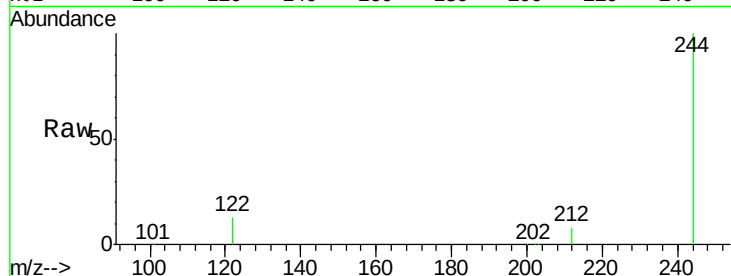




#27
 Terphenyl-d14
 Concen: 7.18 ng
 RT: 19.60 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BE089944.D
 Acq: 26 Jun 2015 15:59

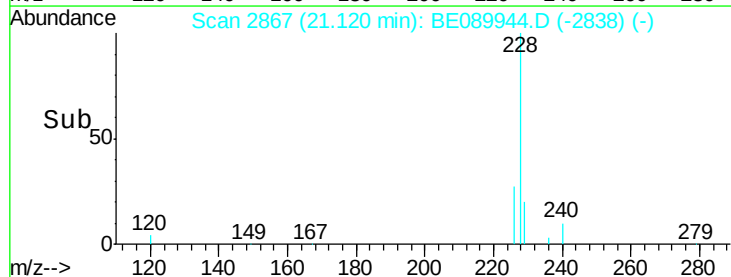
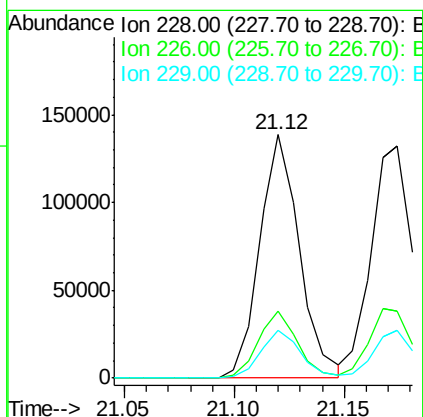
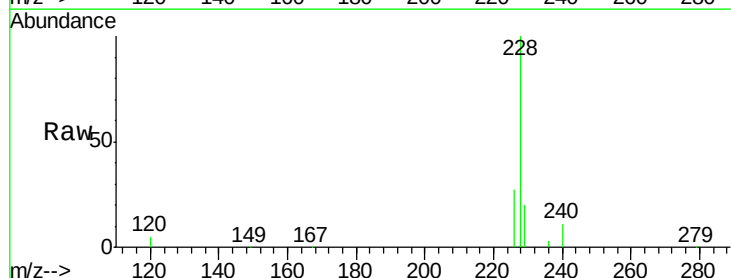
Instrument :
 BNA_E
 ClientSampleId :
 PB84221BS

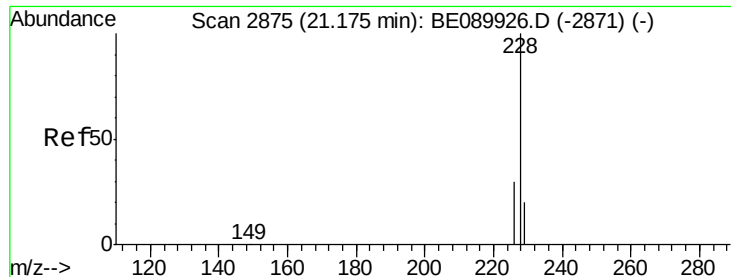
Tgt Ion:244 Resp: 246283
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.1 9.1
 122 13.2 8.7 13.1#



#28
 Benzo(a)anthracene
 Concen: 3.69 ng
 RT: 21.12 min Scan# 2867
 Delta R.T. -0.00 min
 Lab File: BE089944.D
 Acq: 26 Jun 2015 15:59

Tgt Ion:228 Resp: 175008
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.2 33.4
 229 19.8 15.3 22.9





#29

Chrysene

Concen: 3.60 ng

RT: 21.17 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

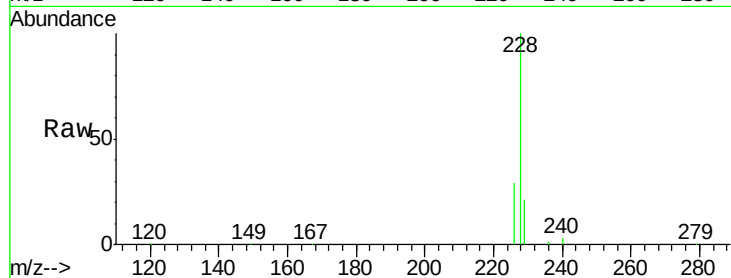
Tgt Ion:228 Resp: 187101

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

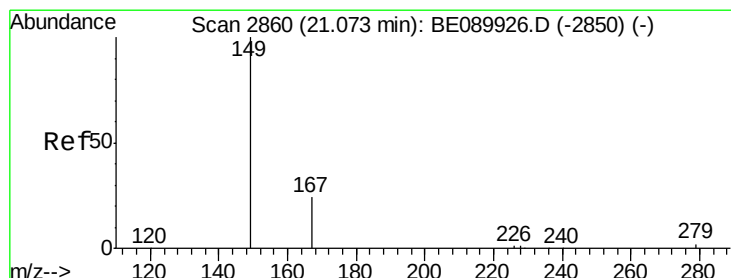
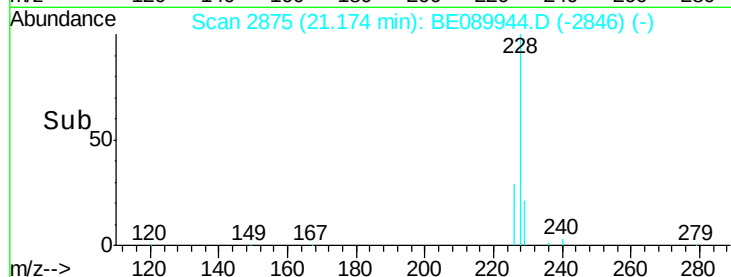
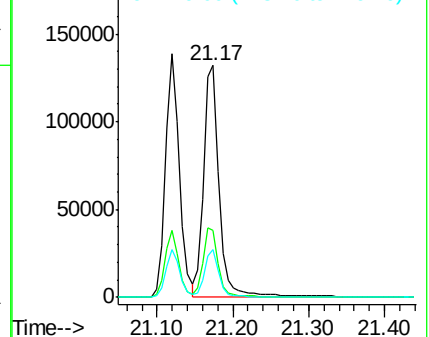
229 20.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 3.60 ng

RT: 21.07 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

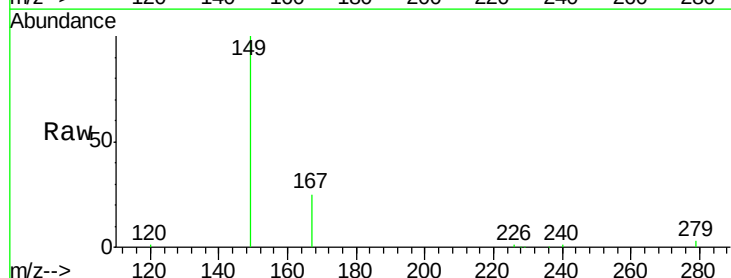
Tgt Ion:149 Resp: 14577

Ion Ratio Lower Upper

149 100

167 25.2 20.3 30.5

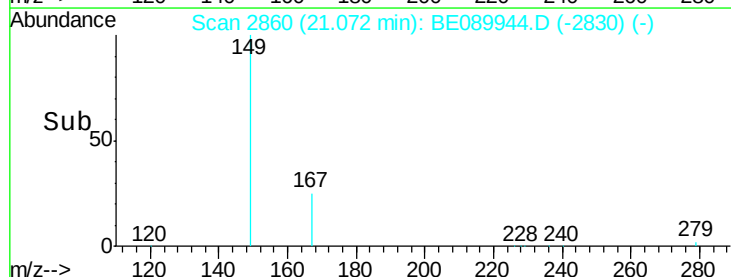
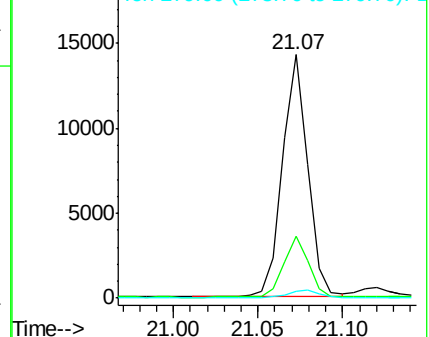
279 3.1 2.7 4.1

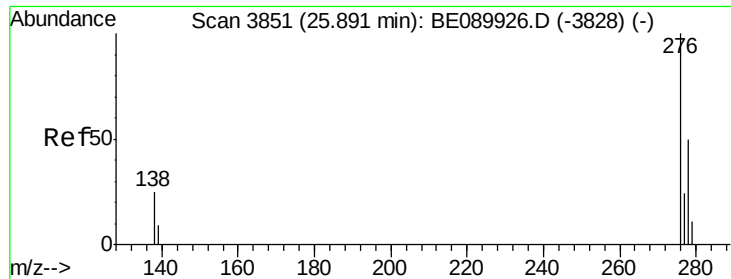


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.09 ng

RT: 25.89 min Scan# 3850

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

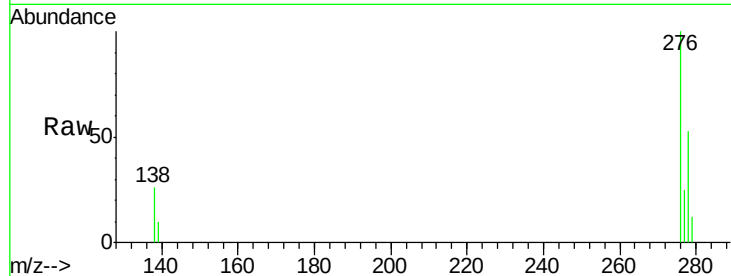
Tgt Ion:276 Resp: 155933

Ion Ratio Lower Upper

276 100

138 27.1 0.0 0.0#

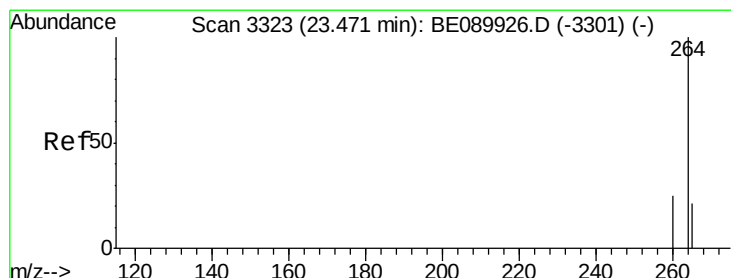
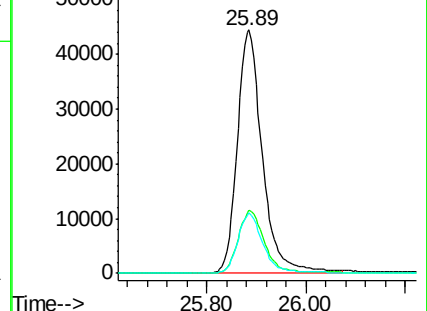
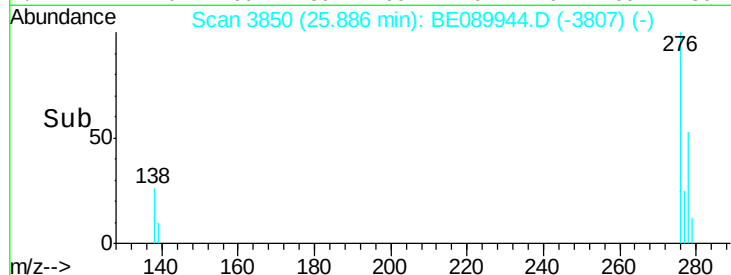
277 24.9 0.0 0.0#



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: 23.47 min Scan# 3322

Delta R.T. -0.01 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

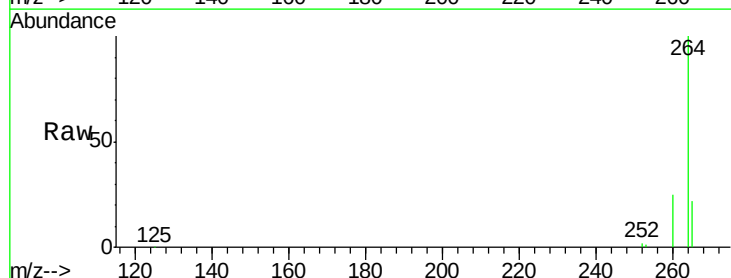
Tgt Ion:264 Resp: 170373

Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.6

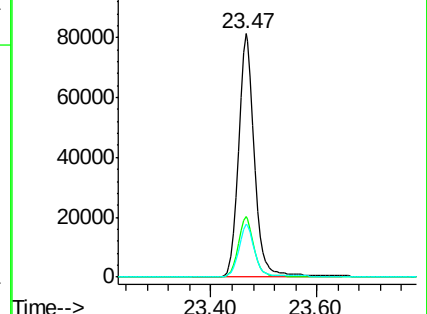
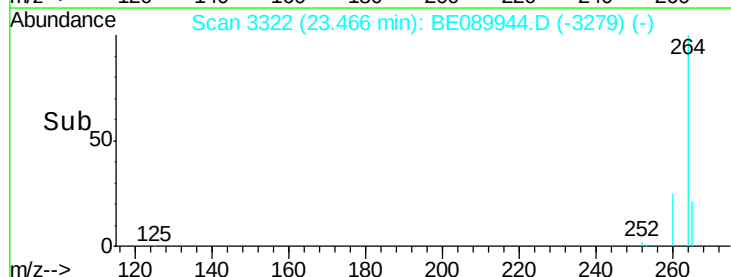
265 21.6 17.3 25.9

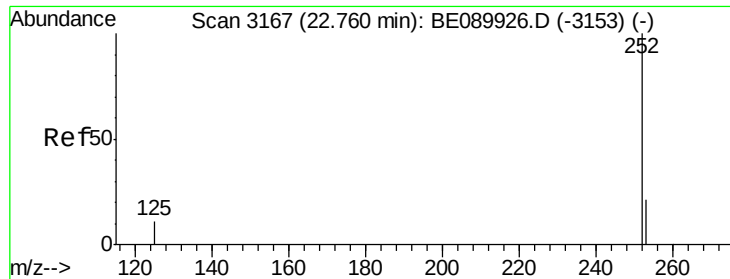


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 4.06 ng

RT: 22.76 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

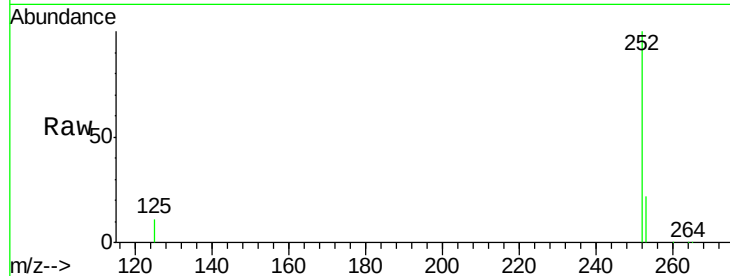
Tgt Ion:252 Resp: 146355

Ion Ratio Lower Upper

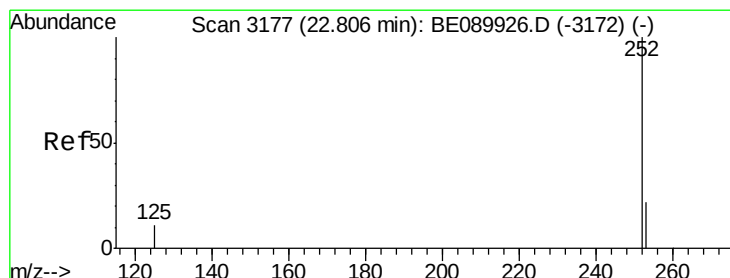
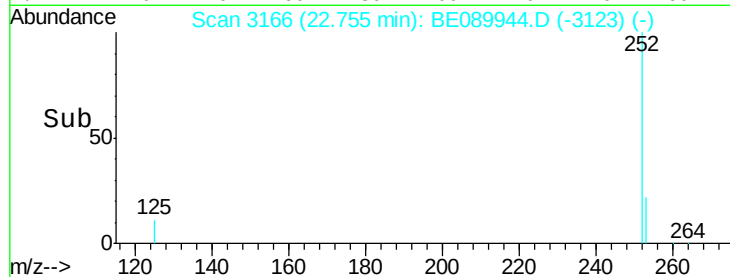
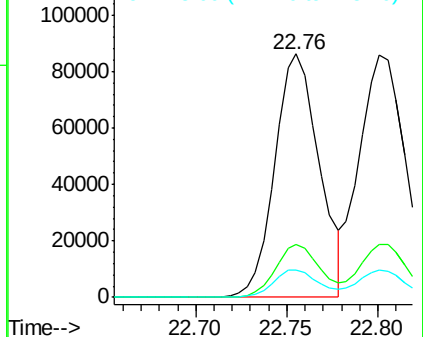
252 100

253 21.9 17.3 25.9

125 11.4 9.3 13.9



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: 4.01 ng

RT: 22.80 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

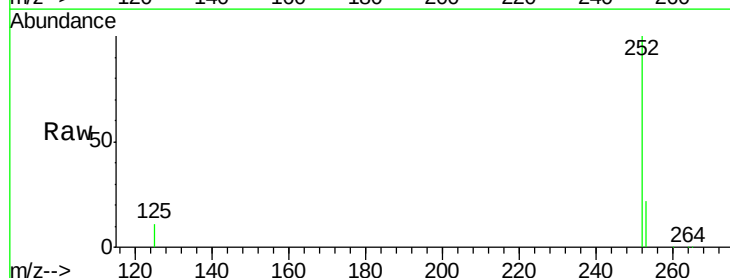
Tgt Ion:252 Resp: 163676

Ion Ratio Lower Upper

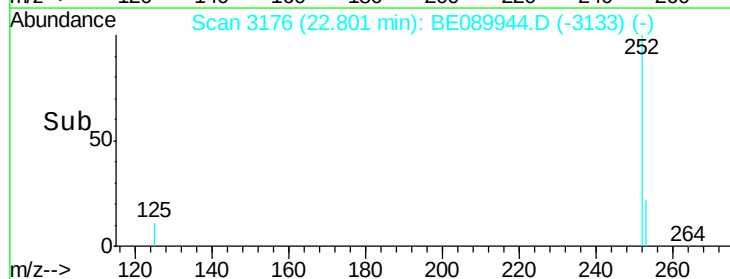
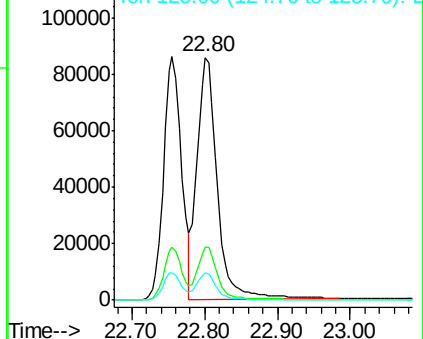
252 100

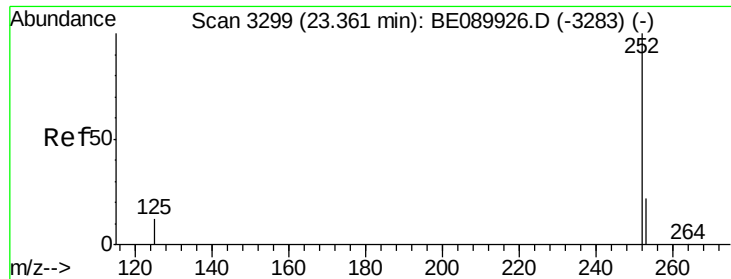
253 22.0 17.9 26.9

125 11.4 9.2 13.8



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: 23.36 min Scan# 3299

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS

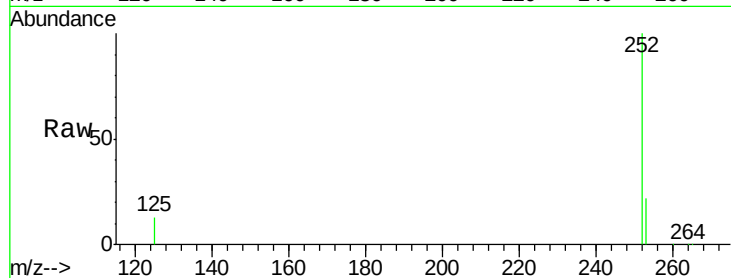
Tgt Ion:252 Resp: 136080

Ion Ratio Lower Upper

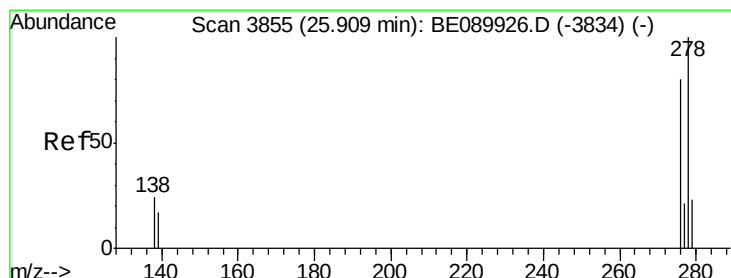
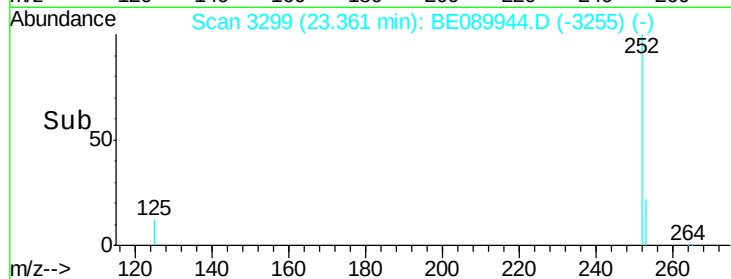
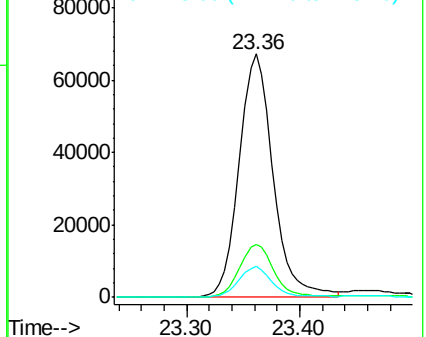
252 100

253 21.8 17.8 26.6

125 12.6 10.3 15.5



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: 4.25 ng

RT: 25.91 min Scan# 3855

Delta R.T. -0.00 min

Lab File: BE089944.D

Acq: 26 Jun 2015 15:59

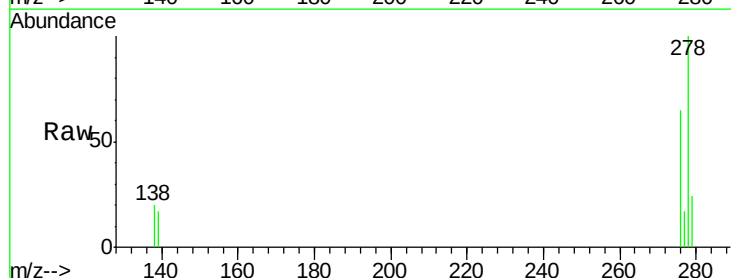
Tgt Ion:278 Resp: 126660

Ion Ratio Lower Upper

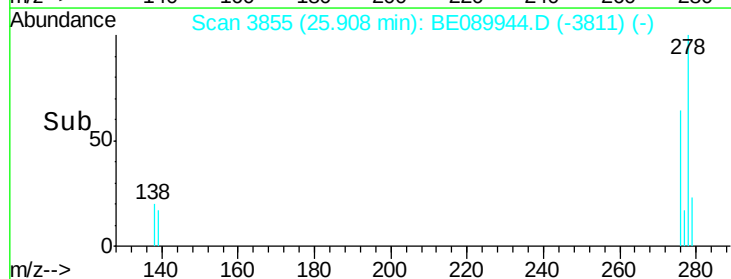
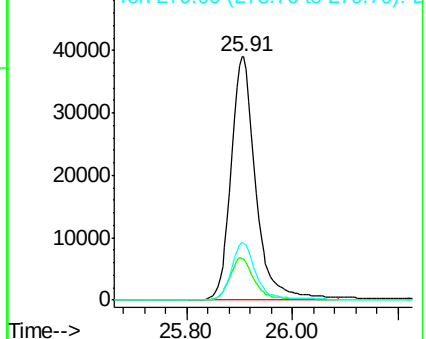
278 100

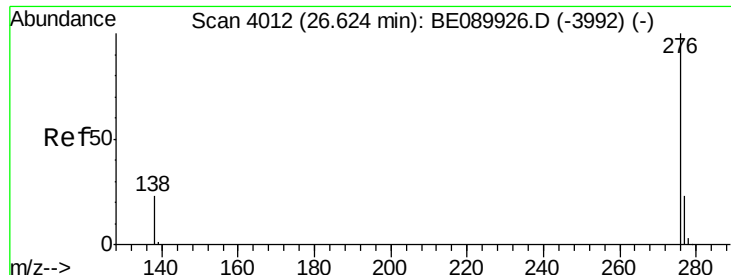
139 17.2 14.1 21.1

279 23.6 19.0 28.6



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: 4.14 ng

RT: 26.62 min Scan# 4012

Delta R.T. -0.00 min

Lab File: BE089944.D

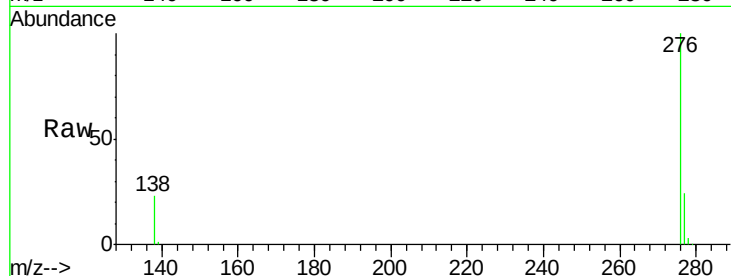
Acq: 26 Jun 2015 15:59

Instrument :

BNA_E

ClientSampleId :

PB84221BS



Tgt Ion: 276 Resp: 132620

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 23.2 18.8 28.2

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

