

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE089991.D
 Acq On : 29 Jun 2015 20:20
 Operator : TP/IZ
 Sample : PB84249BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84249BS

Quant Time: Jun 30 07:02:55 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

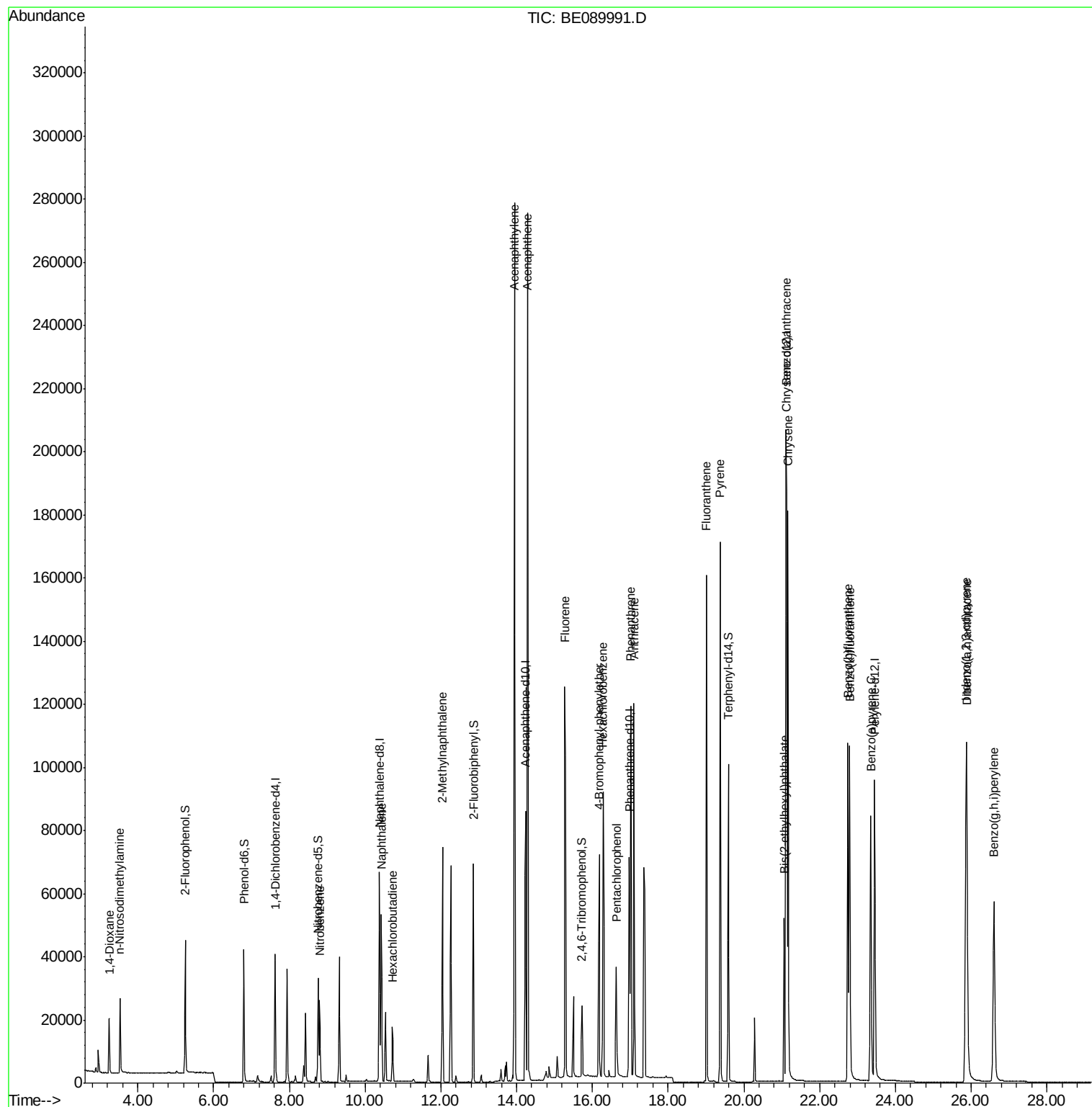
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	19024	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	81371	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	47732	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	114602	5.00	ng	0.00
25) Chrysene-d12	21.13	240	147250	5.00	ng	0.00
32) Perylene-d12	23.46	264	136711	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	28750	6.58	ng	0.00
5) Phenol-d6	6.80	99	41129	6.72	ng	0.00
7) Nitrobenzene-d5	8.76	82	27035	4.18	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	10386	7.43	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	60937	4.25	ng	0.00
27) Terphenyl-d14	19.59	244	102560	4.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.24	88	9729	3.73	ng	99
3) n-Nitrosodimethylamine	3.53	42	13344	3.77	ng	98
8) Nitrobenzene	8.80	77	27982	4.08	ng	99
9) Naphthalene	10.43	128	73022	3.97	ng	100
10) Hexachlorobutadiene	10.72	225	11690	4.04	ng	100
11) 2-Methylnaphthalene	12.04	142	49929	4.06	ng	99
15) Acenaphthylene	13.94	152	341246	3.96	ng	100
16) Acenaphthene	14.30	154	50071	4.04	ng	97
17) Fluorene	15.28	166	68486	4.06	ng	100
19) 4-Bromophenyl-phenylether	16.18	248	20147	4.14	ng	97
20) Hexachlorobenzene	16.28	284	84314	4.16	ng	100
21) Pentachlorophenol	16.63	266	17289	6.70	ng	98
22) Phenanthrene	17.01	178	121670	4.14	ng	100
23) Anthracene	17.10	178	120622	4.49	ng	99
24) Fluoranthene	19.02	202	141573	4.32	ng	100
26) Pyrene	19.38	202	150307	4.28	ng	99
28) Benzo(a)anthracene	21.11	228	153800	4.18	ng	99
29) Chrysene	21.16	228	156754	4.11	ng	96
30) Bis(2-ethylhexyl)phthalate	21.07	149	45519	2.83	ng	100
31) Indeno(1,2,3-cd)pyrene	25.86	276	152817	4.17	ng	99
33) Benzo(b)fluoranthene	22.75	252	136918	4.54	ng	100
34) Benzo(k)fluoranthene	22.79	252	149658	4.44	ng	99
35) Benzo(a)pyrene	23.35	252	130373	4.68	ng	99
36) Dibenzo(a,h)anthracene	25.89	278	125993	4.41	ng	99
37) Benzo(g,h,i)perylene	26.60	276	127270	4.39	ng	99

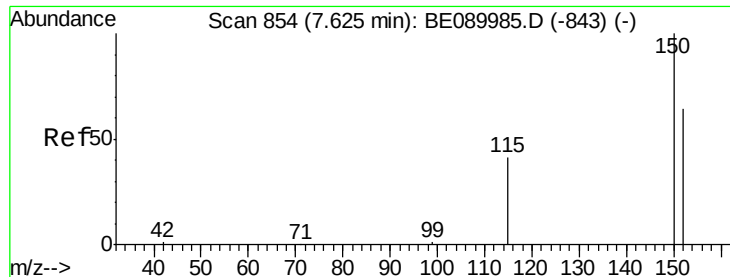
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 854

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

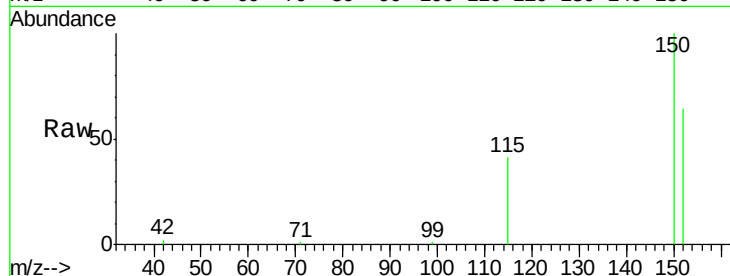
Tgt Ion:152 Resp: 19024

Ion Ratio Lower Upper

152 100

150 155.2 123.9 185.9

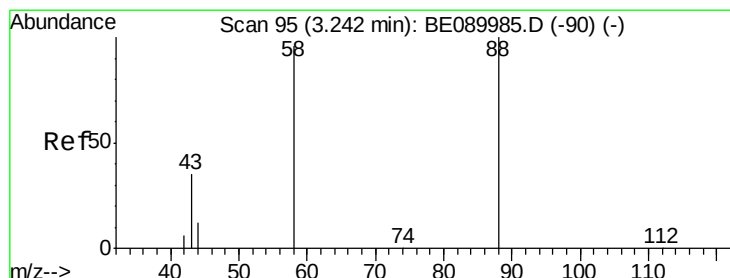
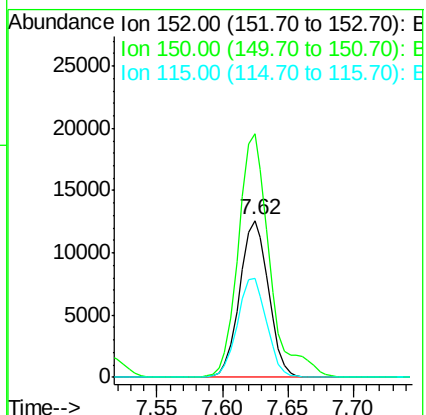
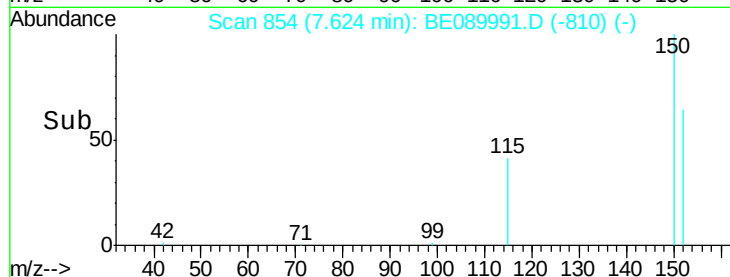
115 63.4 50.6 76.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.73 ng

RT: 3.24 min Scan# 95

Delta R.T. 0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

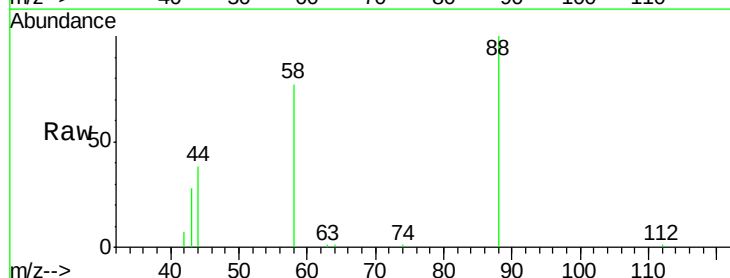
Tgt Ion: 88 Resp: 9729

Ion Ratio Lower Upper

88 100

58 87.7 70.9 106.3

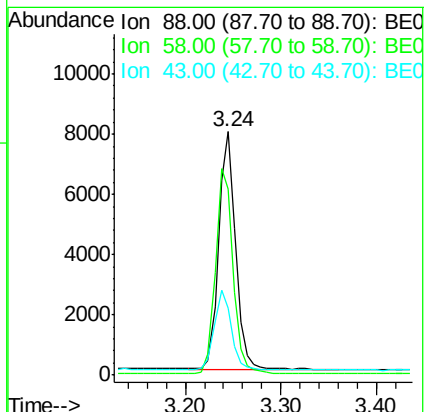
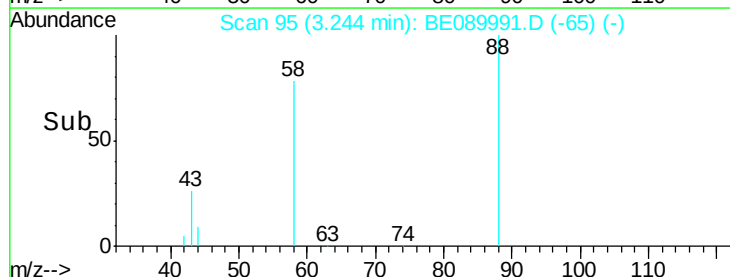
43 33.7 27.6 41.4

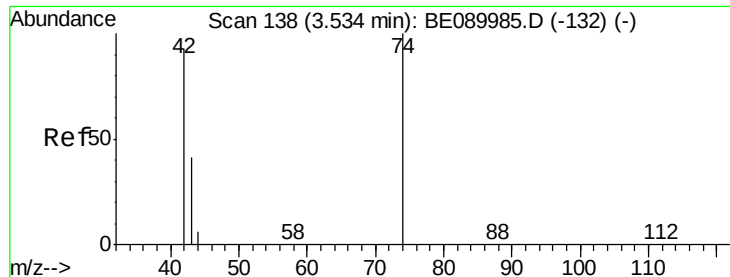


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



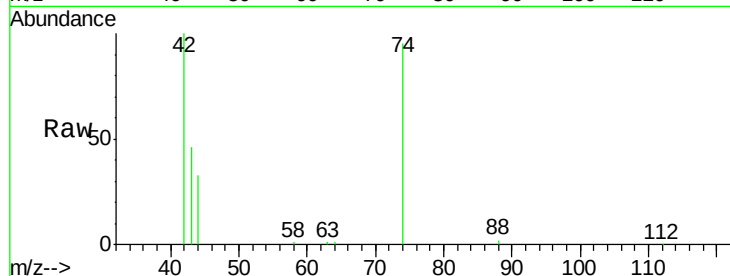


#3

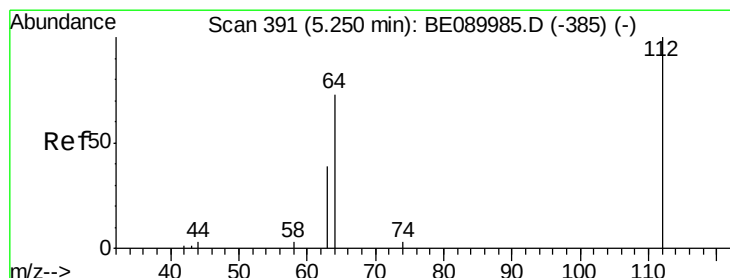
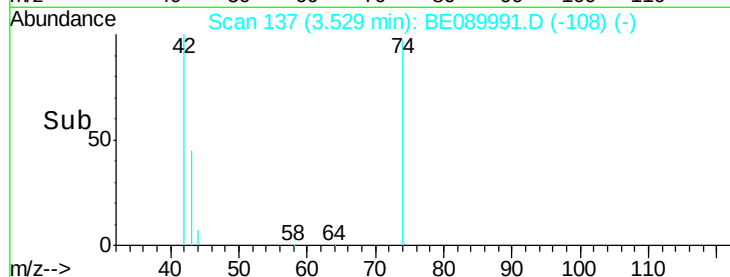
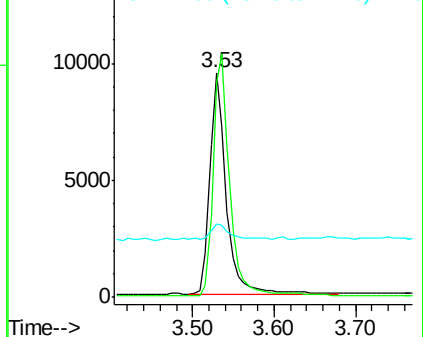
n-Nitrosodimethylamine
Concen: 3.77 ng
RT: 3.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: BE089991.D
Acq: 29 Jun 2015 20:20

Instrument :
BNA_E
ClientSampleId :
PB84249BS

Tgt Ion: 42 Resp: 13344
Ion Ratio Lower Upper
42 100
74 109.2 89.4 134.2
44 8.9 6.9 10.3



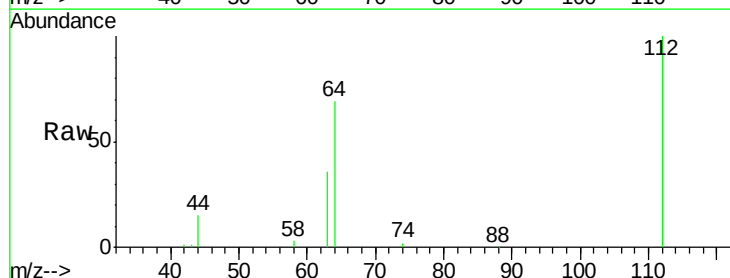
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



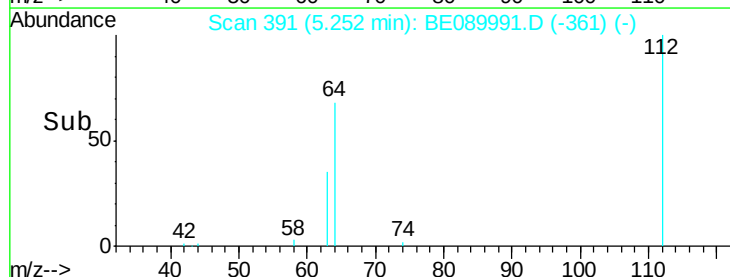
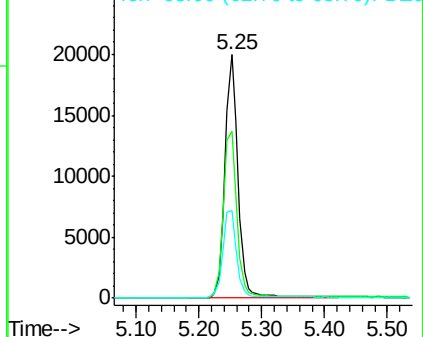
#4

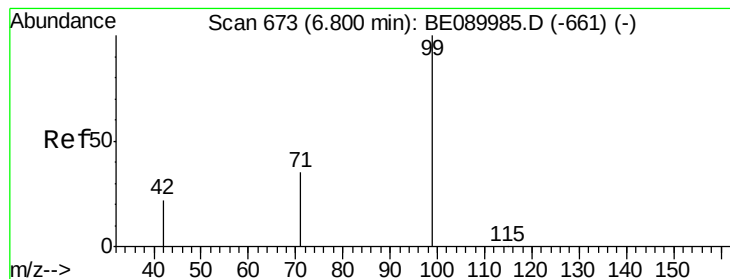
2-Fluorophenol
Concen: 6.58 ng
RT: 5.25 min Scan# 391
Delta R.T. 0.00 min
Lab File: BE089991.D
Acq: 29 Jun 2015 20:20

Tgt Ion: 112 Resp: 28750
Ion Ratio Lower Upper
112 100
64 71.9 56.3 84.5
63 37.8 29.8 44.6



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: 6.72 ng

RT: 6.80 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

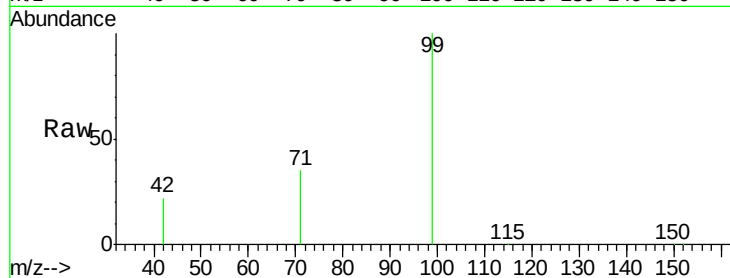
Tgt Ion: 99 Resp: 41129

Ion Ratio Lower Upper

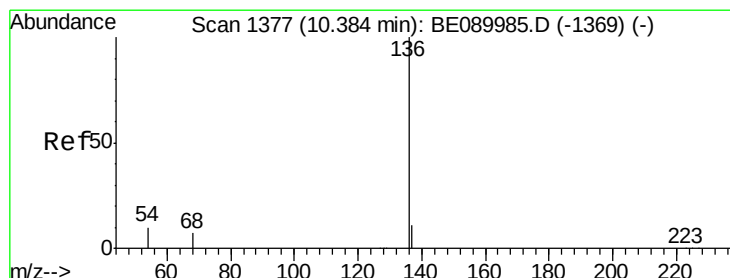
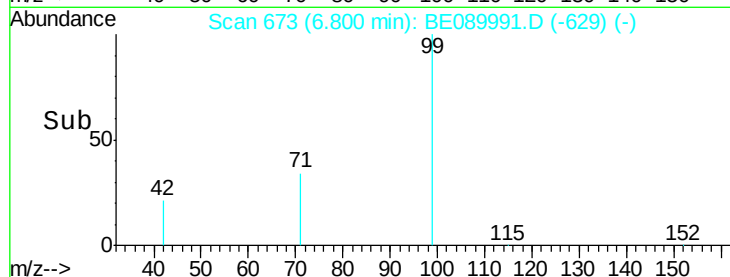
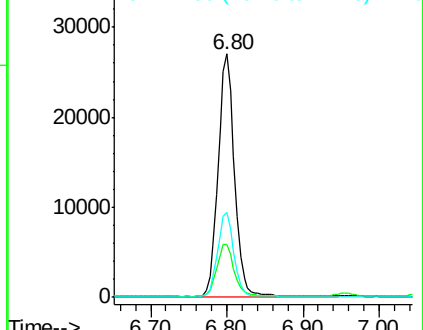
99 100

42 23.0 18.7 28.1

71 34.8 27.5 41.3



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: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Tgt Ion: 136 Resp: 81371

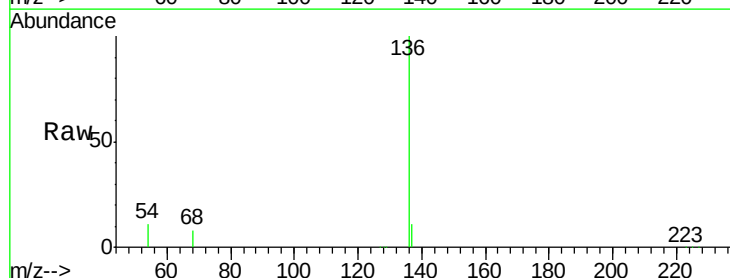
Ion Ratio Lower Upper

136 100

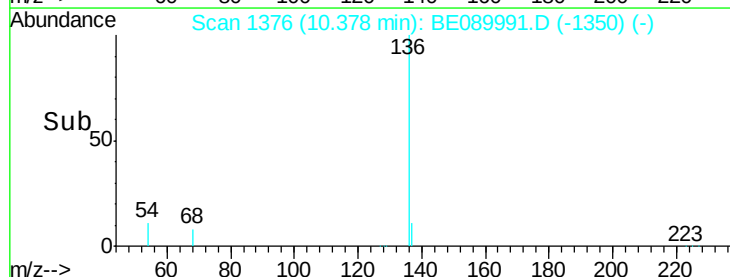
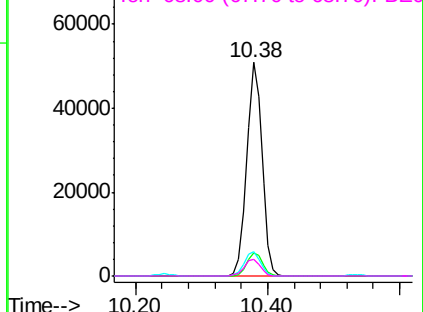
137 10.9 8.9 13.3

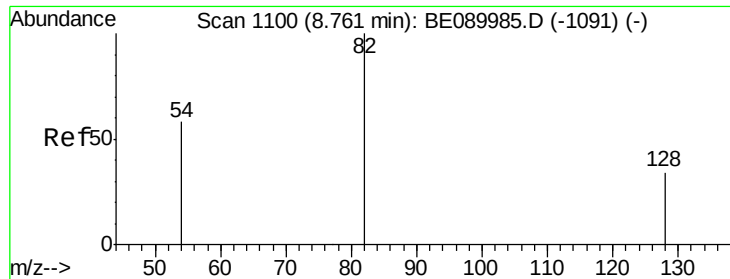
54 11.5 8.2 12.4

68 7.9 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.18 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

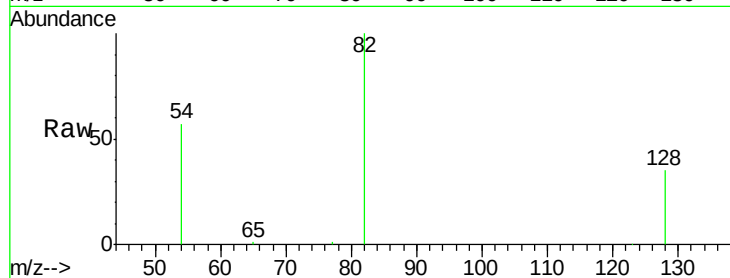
Tgt Ion: 82 Resp: 27035

Ion Ratio Lower Upper

82 100

128 34.6 28.0 42.0

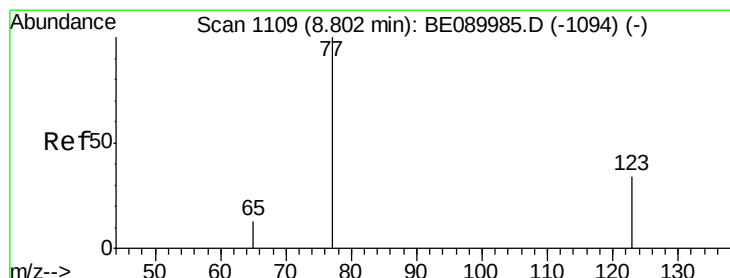
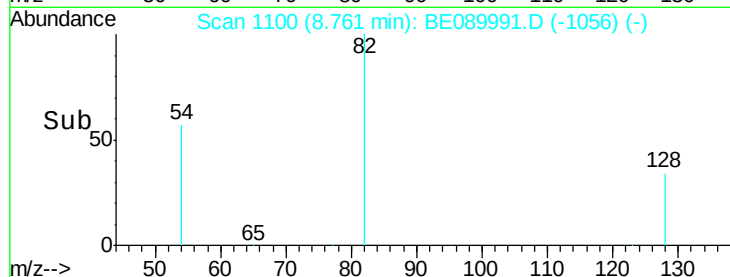
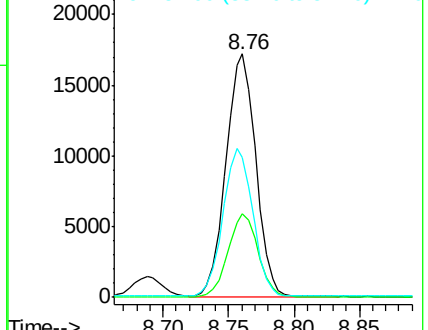
54 57.4 47.6 71.4



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: 4.08 ng

RT: 8.80 min Scan# 1109

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

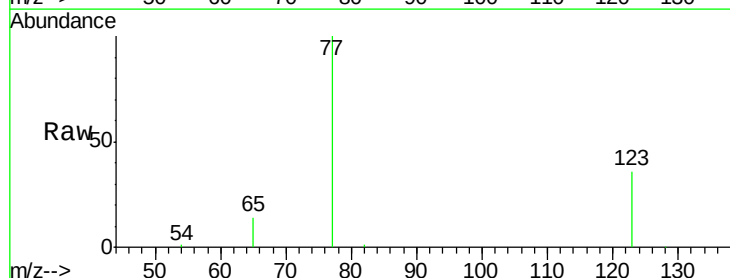
Tgt Ion: 77 Resp: 27982

Ion Ratio Lower Upper

77 100

123 35.0 27.4 41.0

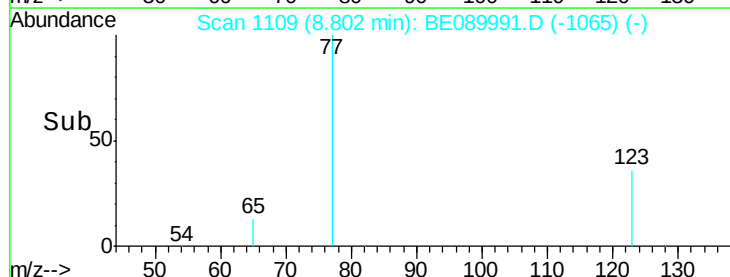
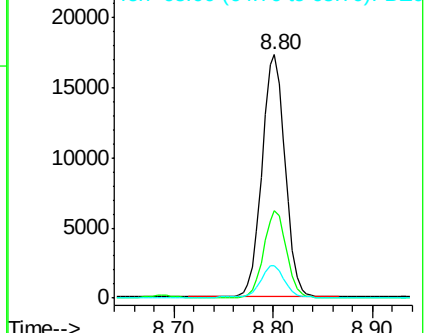
65 13.1 10.6 15.8

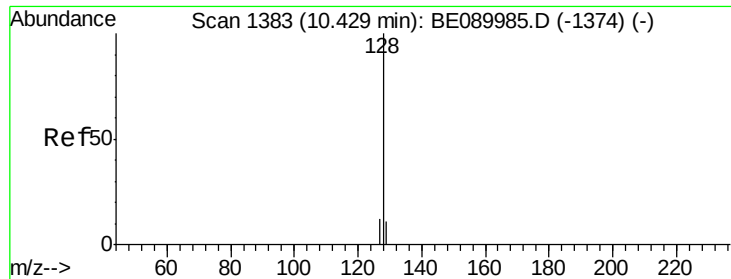


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 3.97 ng

RT: 10.43 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampled :

PB84249BS

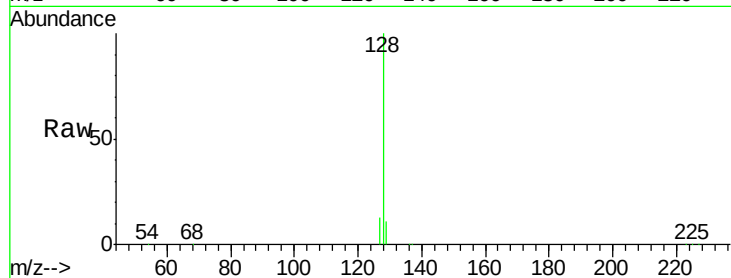
Tgt Ion:128 Resp: 73022

Ion Ratio Lower Upper

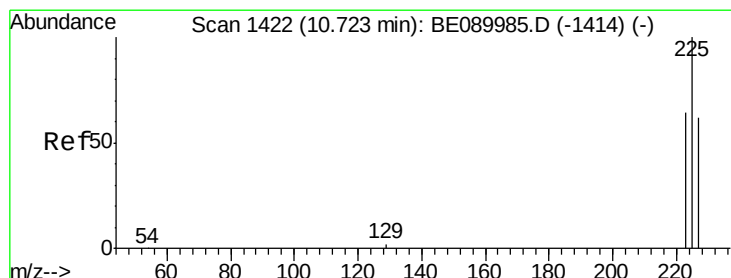
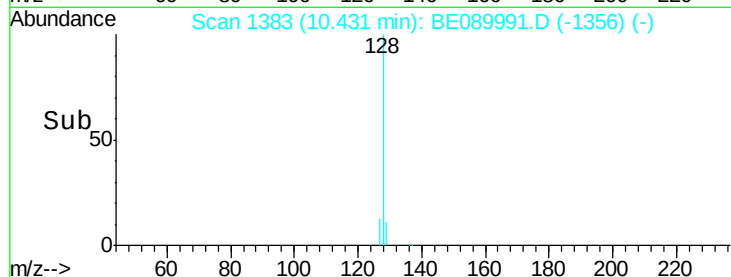
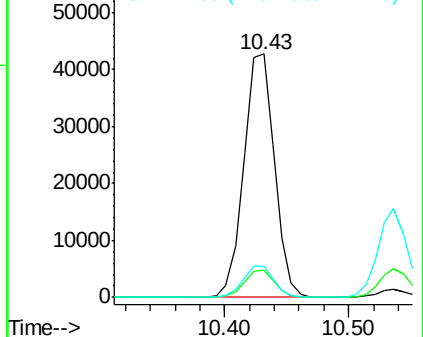
128 100

129 11.3 9.3 13.9

127 12.8 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: 4.04 ng

RT: 10.72 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

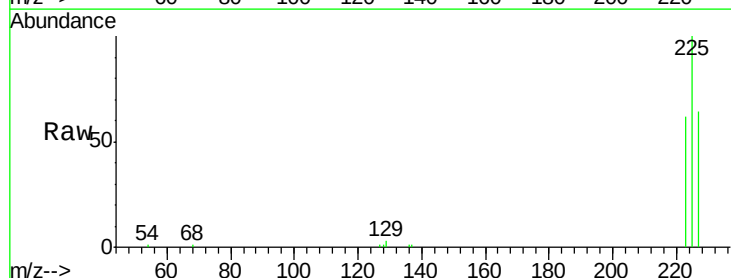
Tgt Ion:225 Resp: 11690

Ion Ratio Lower Upper

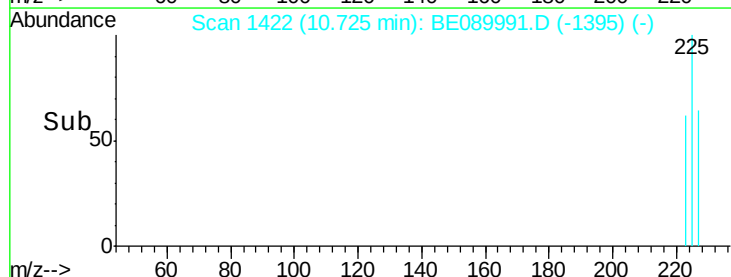
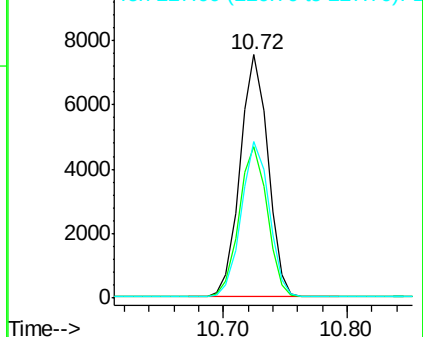
225 100

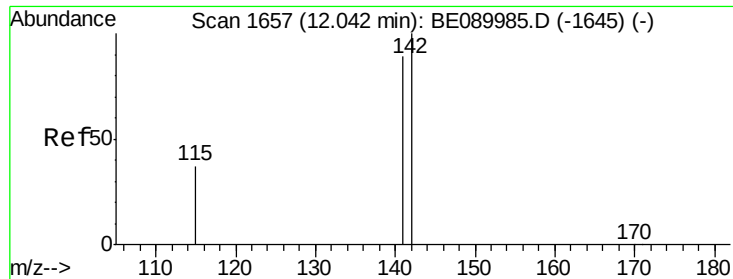
223 62.7 50.1 75.1

227 64.1 50.9 76.3



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

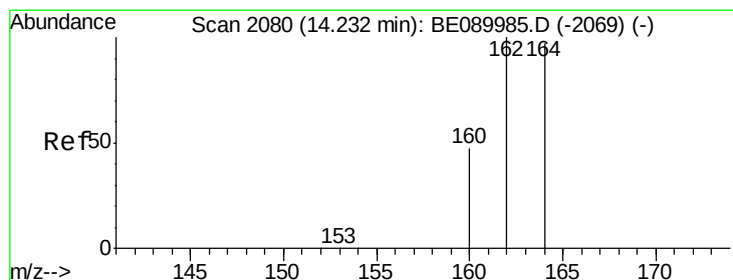
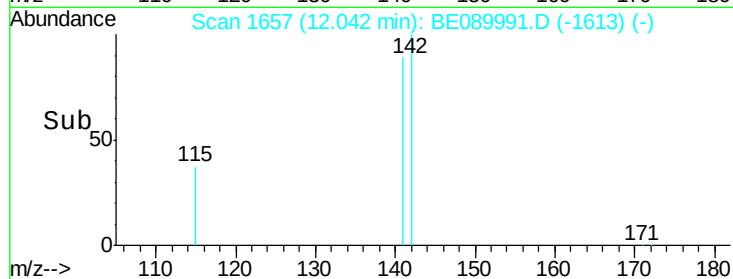
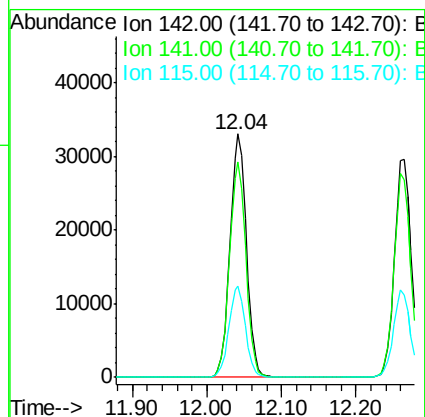
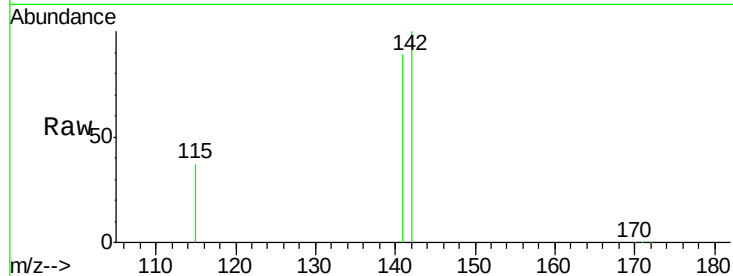




#11
2-Methylnaphthalene
Concen: 4.06 ng
RT: 12.04 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE089991.D
Acq: 29 Jun 2015 20:20

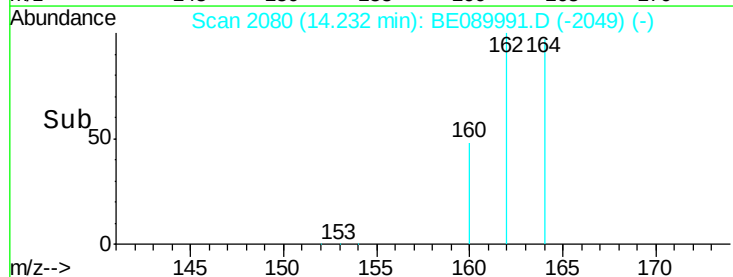
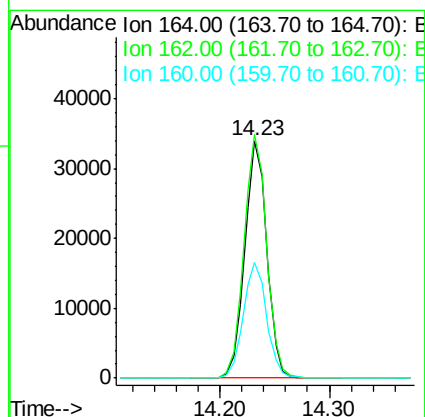
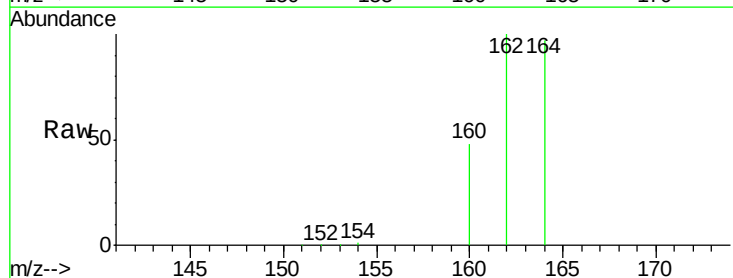
Instrument :
BNA_E
ClientSampleId :
PB84249BS

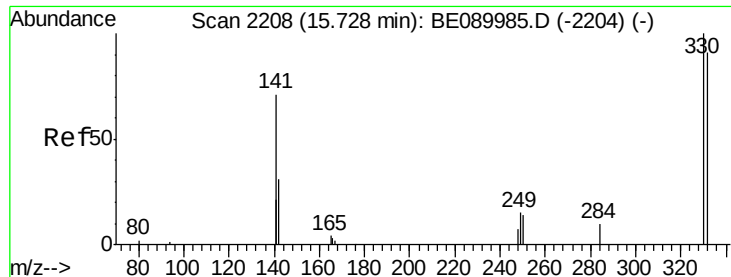
Tgt Ion:142 Resp: 49929
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9
115 37.2 30.4 45.6



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BE089991.D
Acq: 29 Jun 2015 20:20

Tgt Ion:164 Resp: 47732
Ion Ratio Lower Upper
164 100
162 102.6 82.2 123.4
160 48.9 39.0 58.6

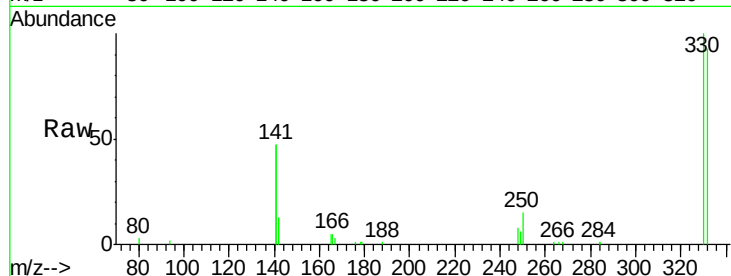




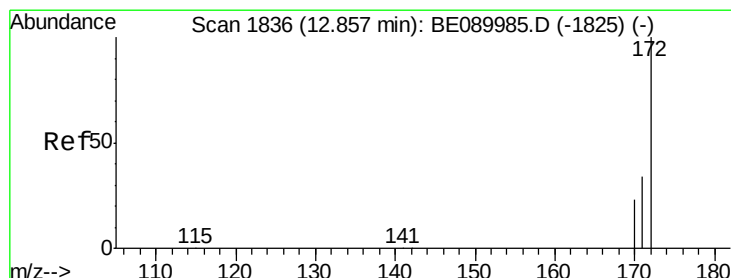
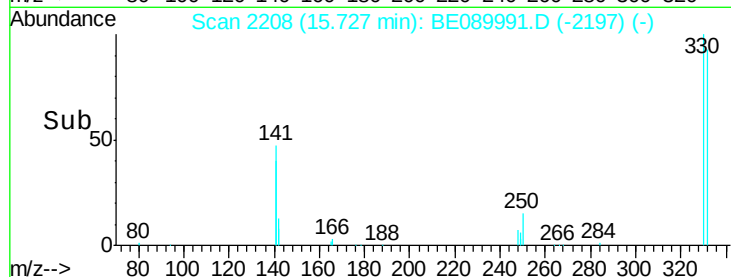
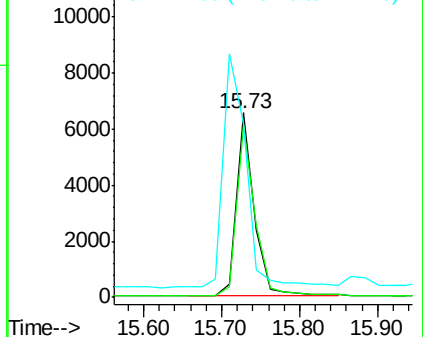
#13
 2,4,6-Tribromophenol
 Concen: 7.43 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE089991.D
 Acq: 29 Jun 2015 20:20

Instrument :
 BNA_E
 ClientSampleId :
 PB84249BS

Tgt Ion: 330 Resp: 10386
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.4 114.6
 141 160.4 130.3 195.5

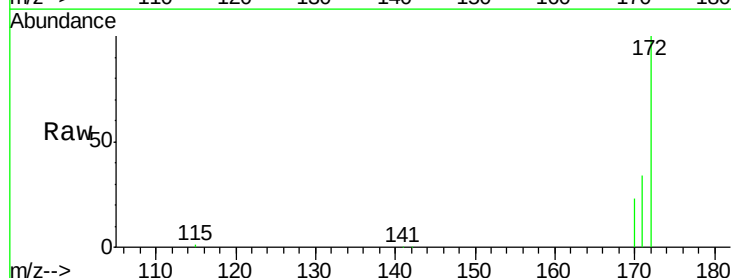


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

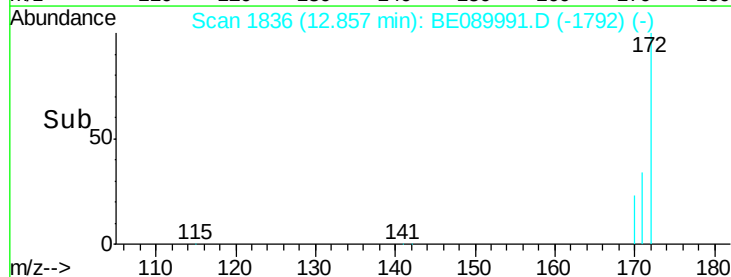
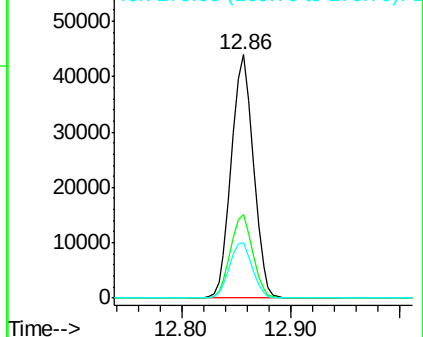


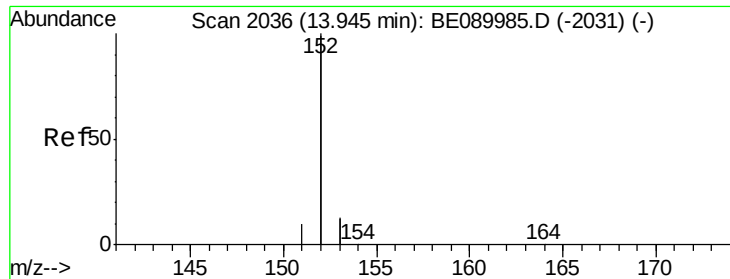
#14
 2-Fluorobiphenyl
 Concen: 4.25 ng
 RT: 12.86 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BE089991.D
 Acq: 29 Jun 2015 20:20

Tgt Ion: 172 Resp: 60937
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.8 41.6
 170 22.8 18.3 27.5



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: 3.96 ng

RT: 13.94 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

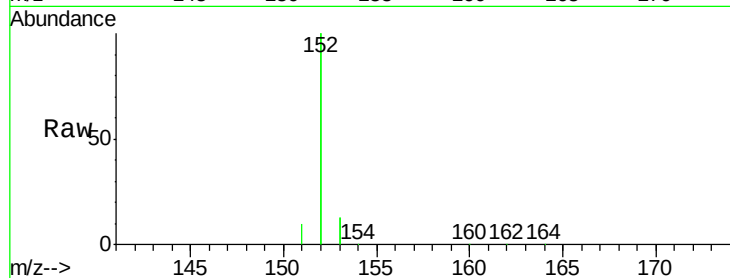
Tgt Ion:152 Resp: 341246

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

13.94

250000

200000

150000

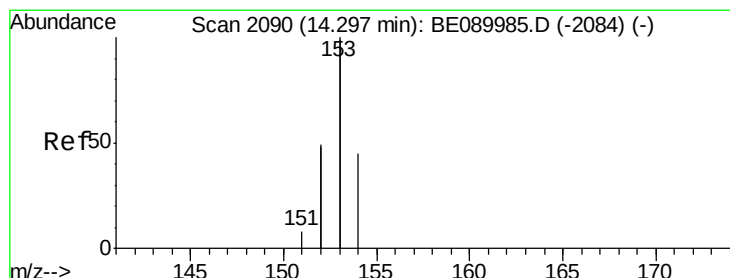
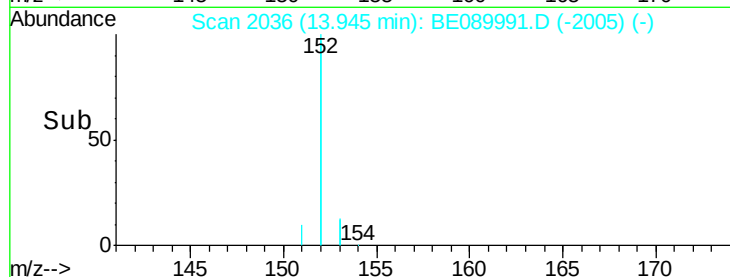
100000

50000

0

Time-->

13.90 14.00 14.10



#16

Acenaphthene

Concen: 4.04 ng

RT: 14.30 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

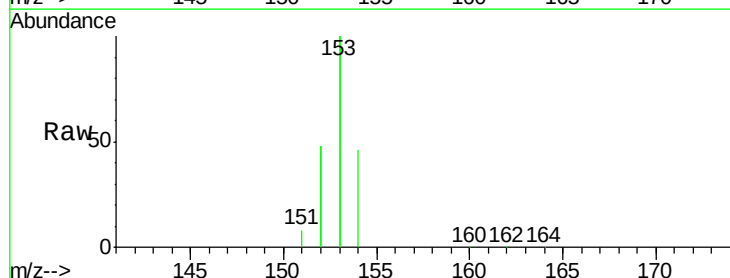
Tgt Ion:154 Resp: 50071

Ion Ratio Lower Upper

154 100

153 460.1 358.6 538.0

152 239.4 189.6 284.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.30

200000

150000

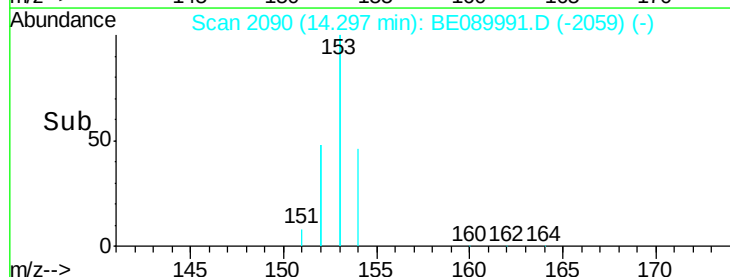
100000

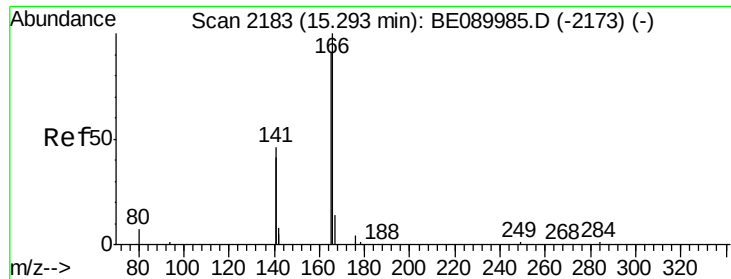
50000

0

Time-->

14.25 14.30

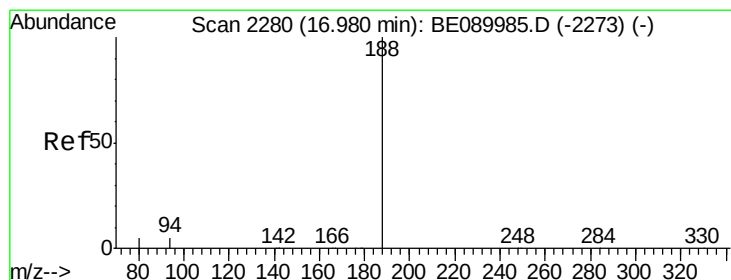
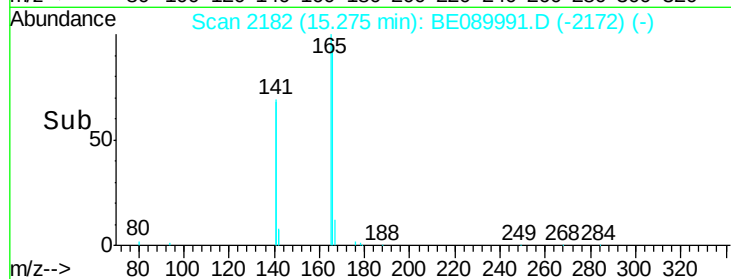
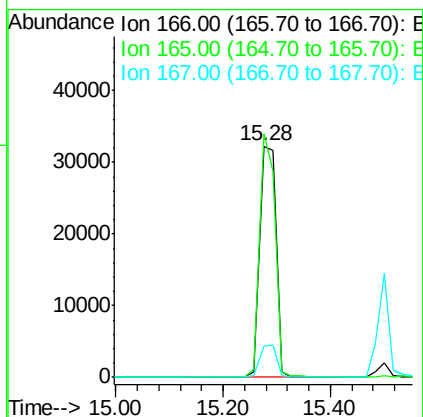
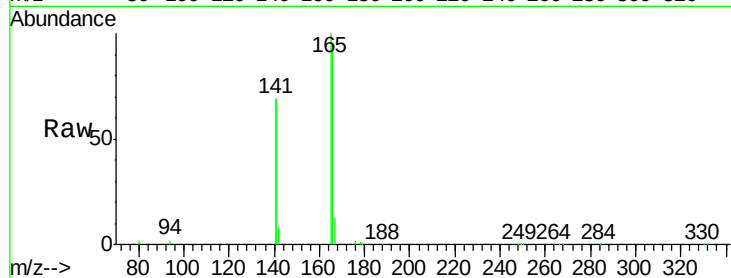




#17
Fluorene
 Concen: 4.06 ng
 RT: 15.28 min Scan# 2182
 Delta R.T. -0.02 min
 Lab File: BE089991.D
 Acq: 29 Jun 2015 20:20

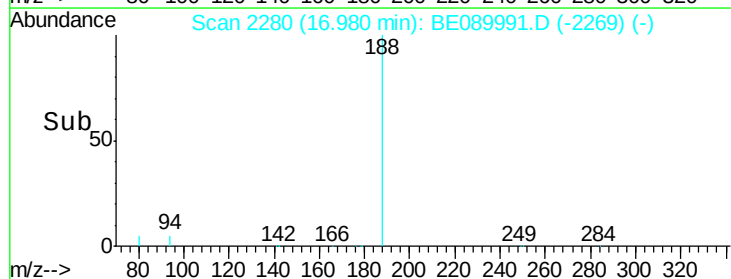
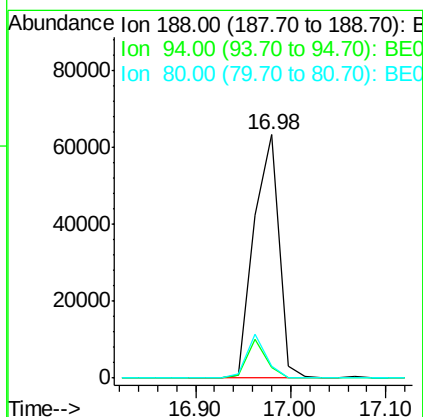
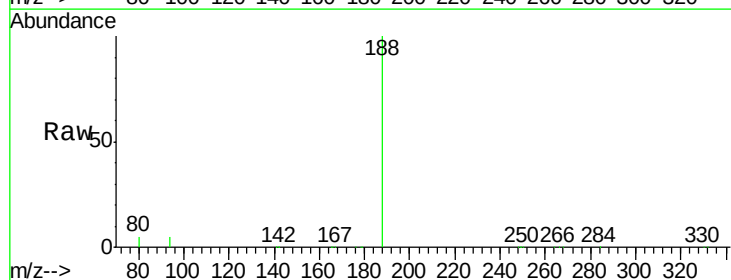
Instrument :
 BNA_E
 ClientSampleId :
 PB84249BS

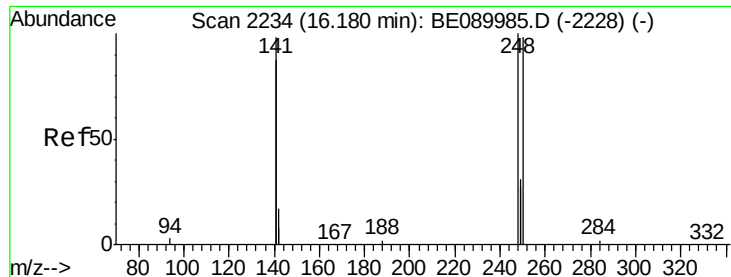
Tgt Ion:166 Resp: 68486
 Ion Ratio Lower Upper
 166 100
 165 98.7 79.0 118.6
 167 13.8 11.8 17.8



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE089991.D
 Acq: 29 Jun 2015 20:20

Tgt Ion:188 Resp: 114602
 Ion Ratio Lower Upper
 188 100
 94 4.6 4.1 6.1
 80 4.7 4.2 6.2





#19

4-Bromophenyl-phenylether

Concen: 4.14 ng

RT: 16.18 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

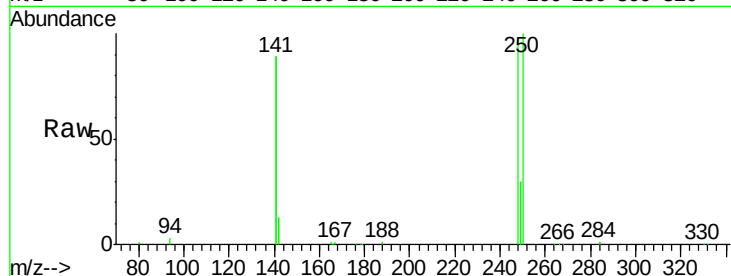
Tgt Ion:248 Resp: 20147

Ion Ratio Lower Upper

248 100

250 100.2 78.3 117.5

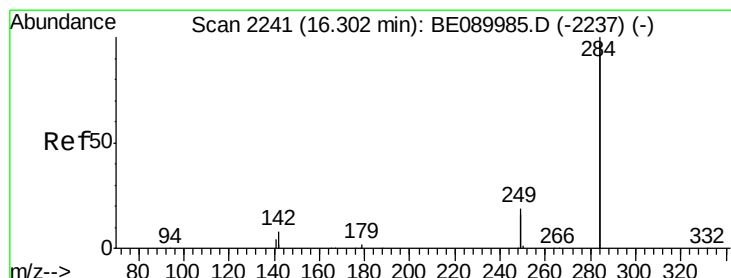
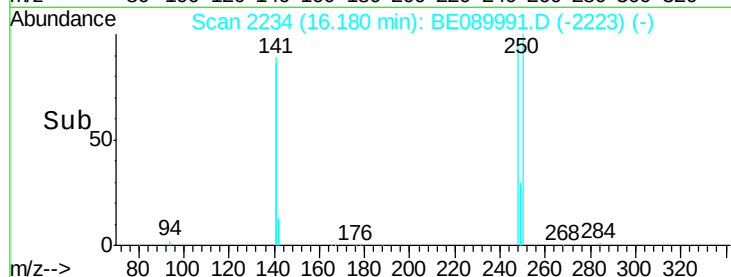
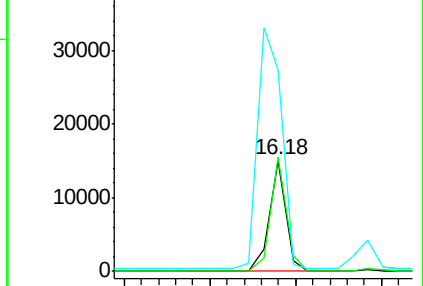
141 315.7 248.1 372.1



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: 4.16 ng

RT: 16.28 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

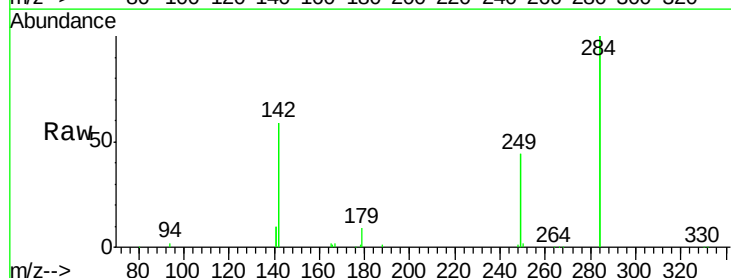
Tgt Ion:284 Resp: 84314

Ion Ratio Lower Upper

284 100

142 40.7 32.6 49.0

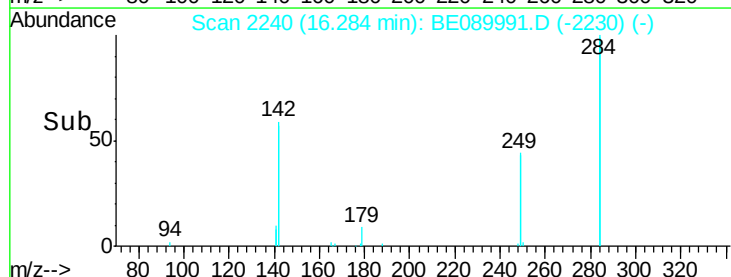
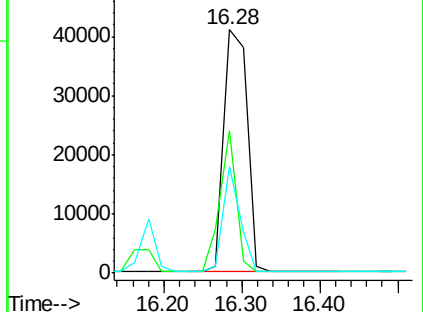
249 31.9 25.5 38.3

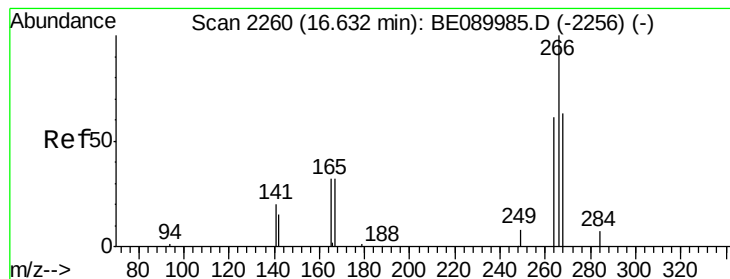


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 6.70 ng

RT: 16.63 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

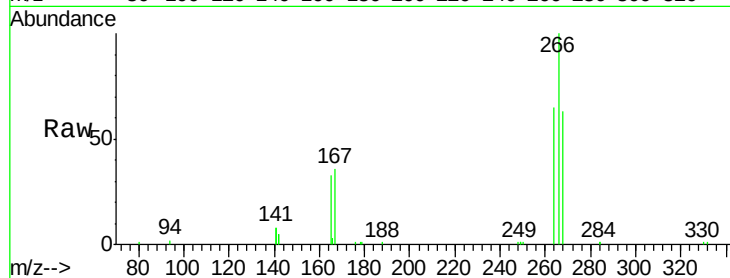
Tgt Ion:266 Resp: 17289

Ion Ratio Lower Upper

266 100

268 63.2 51.8 77.8

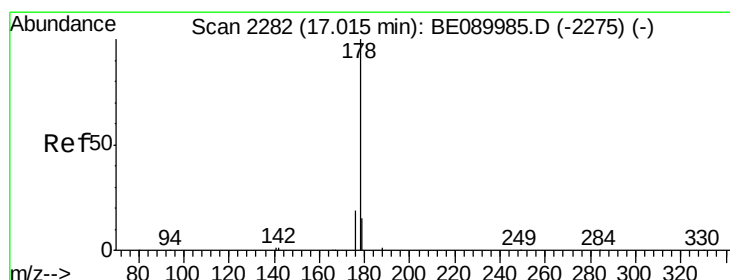
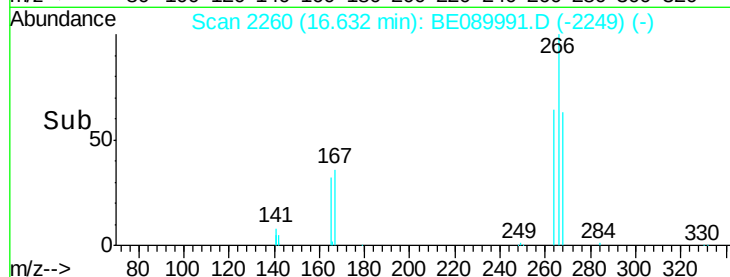
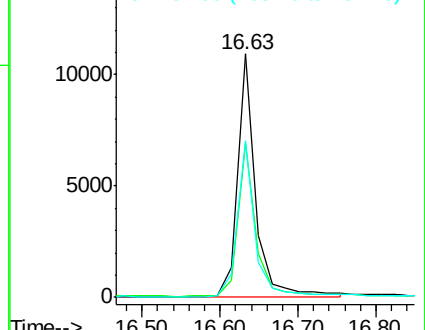
264 64.5 50.2 75.2



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: 4.14 ng

RT: 17.01 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

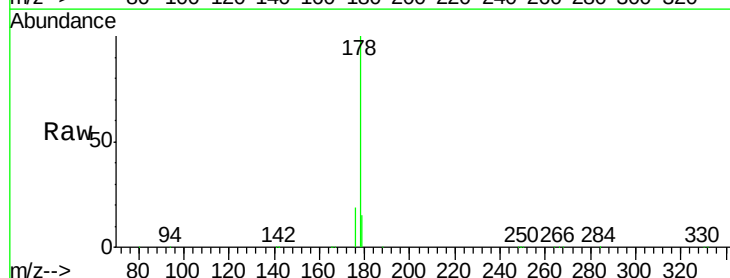
Tgt Ion:178 Resp: 121670

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

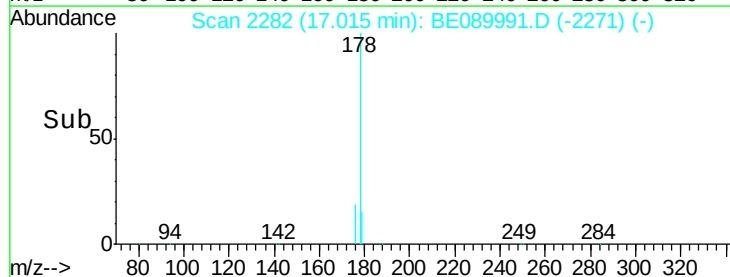
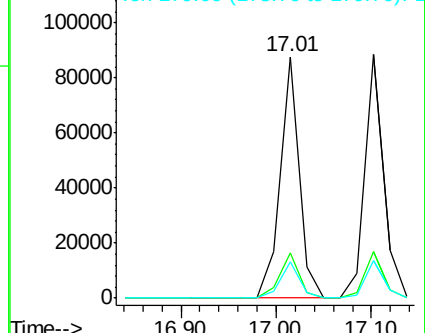
179 15.3 12.4 18.6

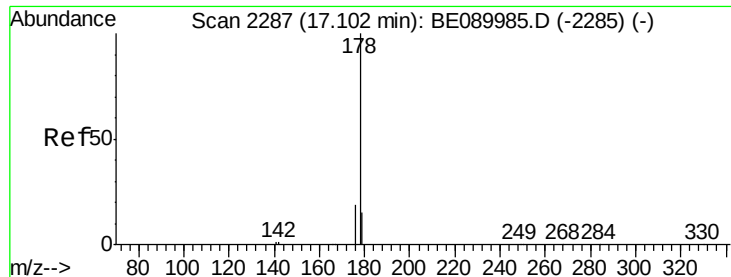


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 4.49 ng

RT: 17.10 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

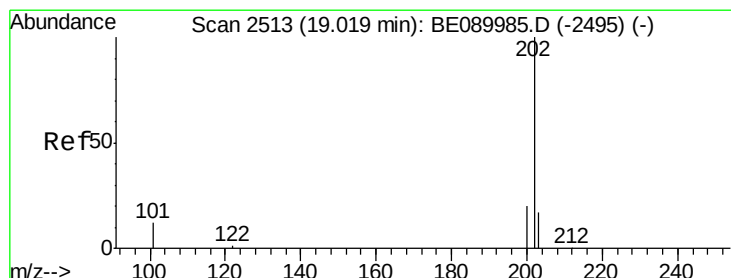
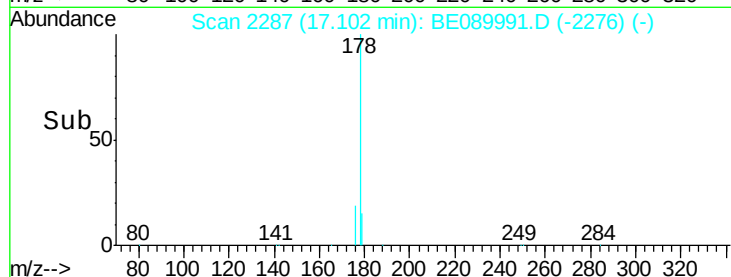
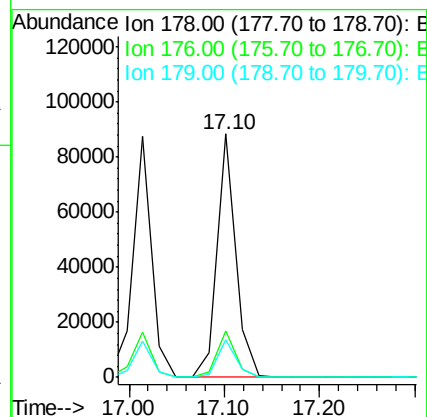
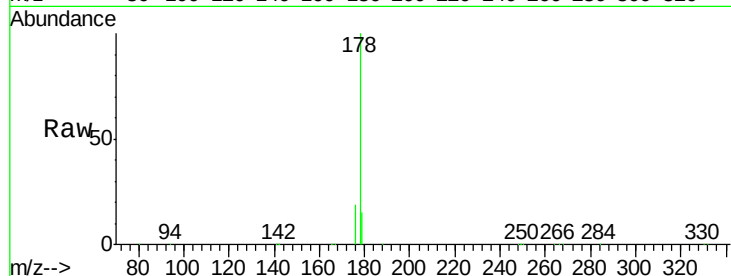
Tgt Ion:178 Resp: 120622

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.6 12.1 18.1



#24

Fluoranthene

Concen: 4.32 ng

RT: 19.02 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

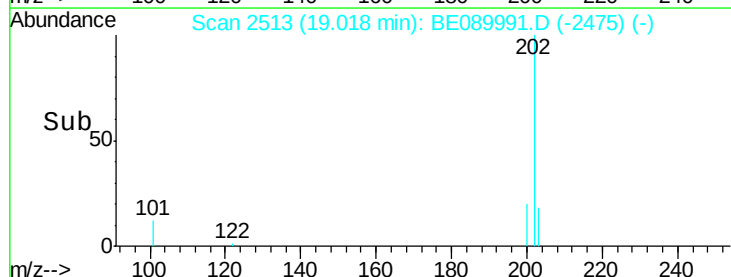
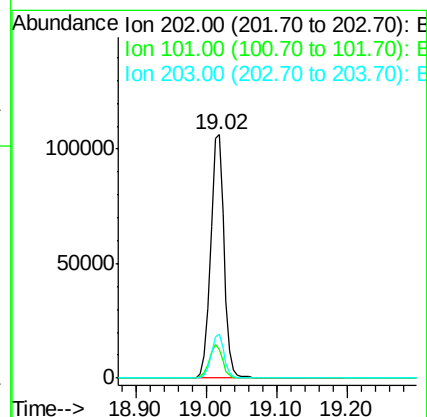
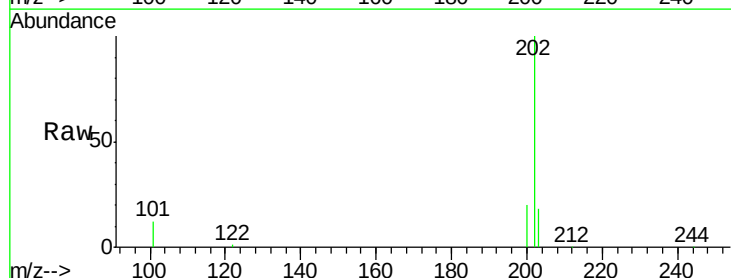
Tgt Ion:202 Resp: 141573

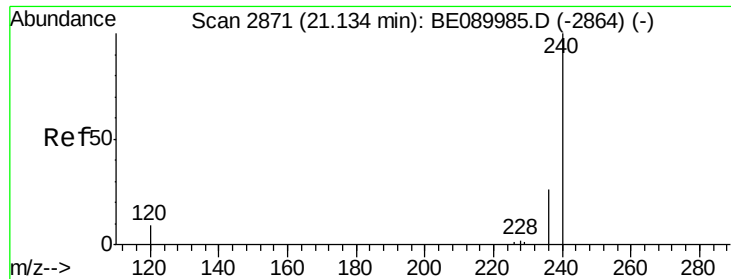
Ion Ratio Lower Upper

202 100

101 13.2 10.6 15.8

203 17.4 13.8 20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

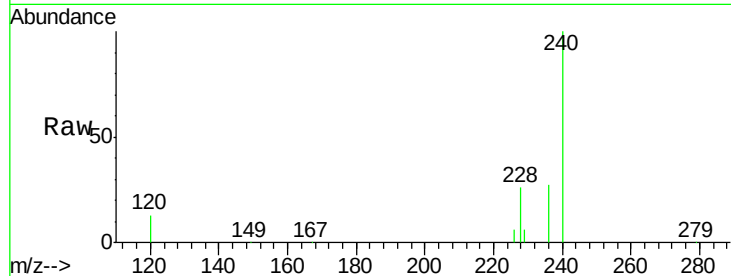
Tgt Ion:240 Resp: 147250

Ion Ratio Lower Upper

240 100

120 13.1 6.9 10.3#

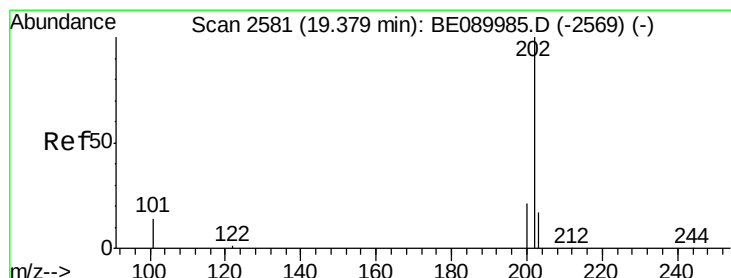
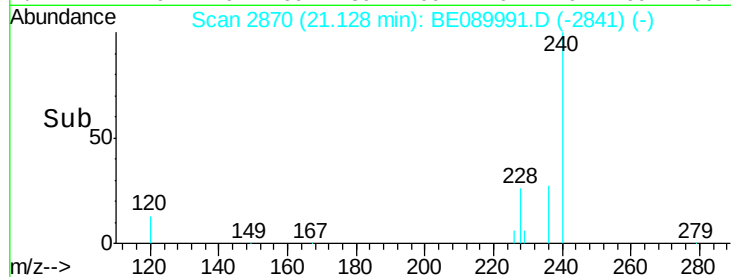
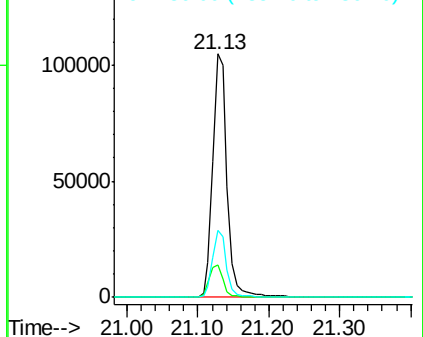
236 27.5 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 4.28 ng

RT: 19.38 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

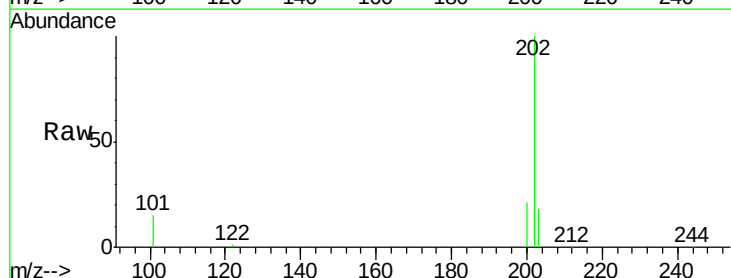
Tgt Ion:202 Resp: 150307

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

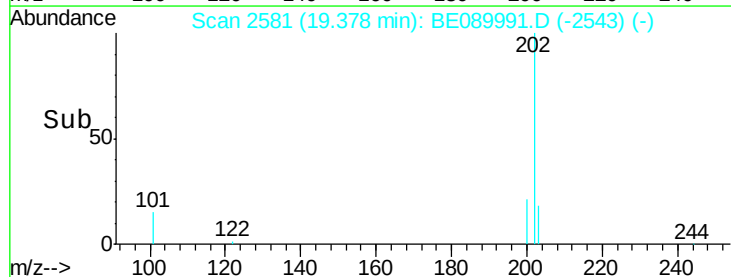
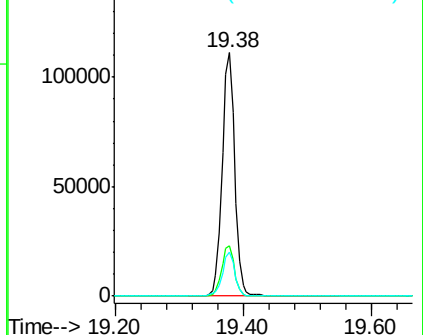
203 18.0 13.9 20.9

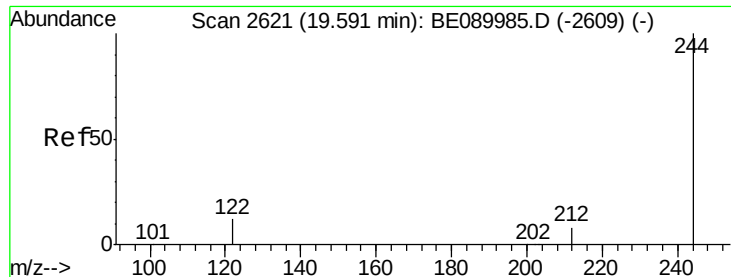


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

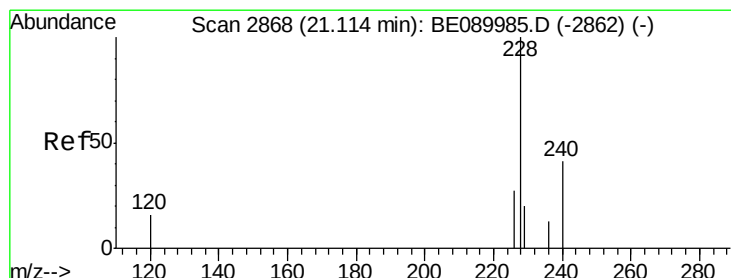
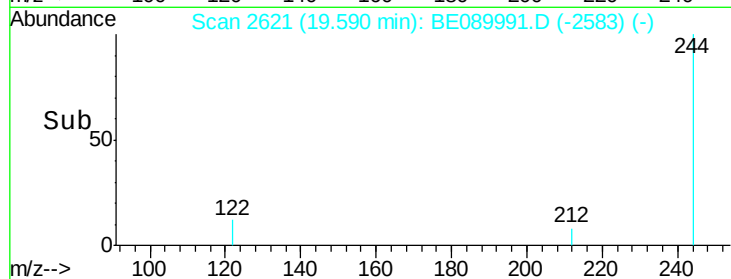
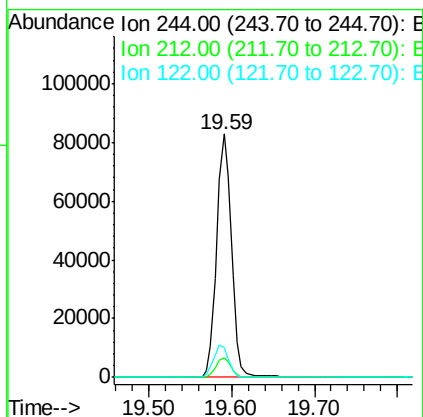
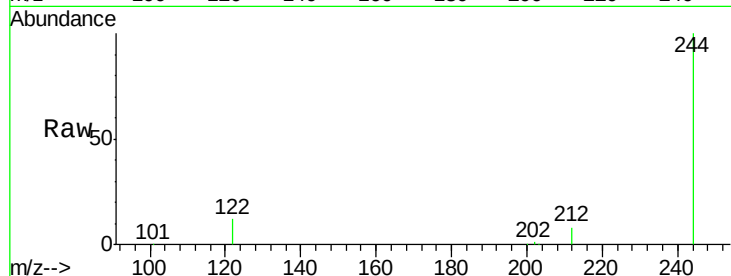




#27
 Terphenyl-d14
 Concen: 4.18 ng
 RT: 19.59 min Scan# 2621
 Delta R.T. -0.00 min
 Lab File: BE089991.D
 Acq: 29 Jun 2015 20:20

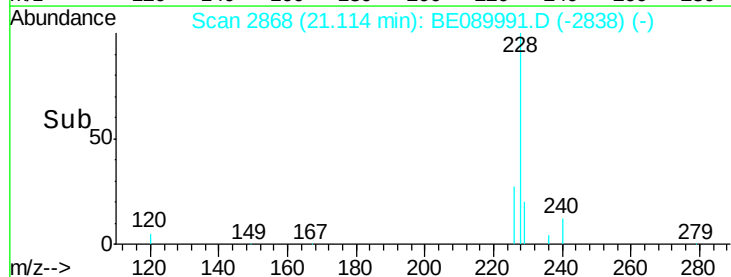
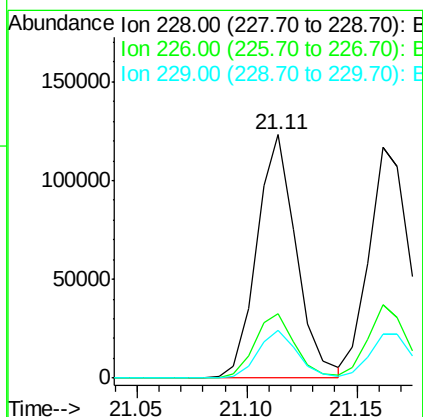
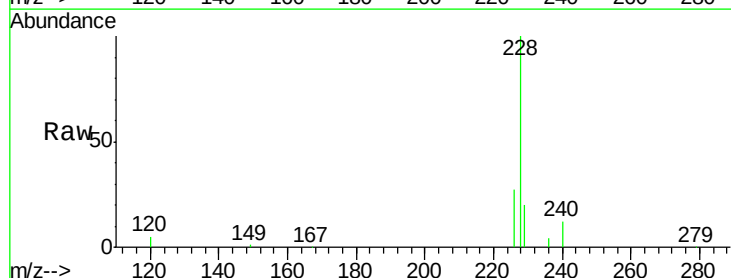
Instrument :
 BNA_E
 ClientSampleId :
 PB84249BS

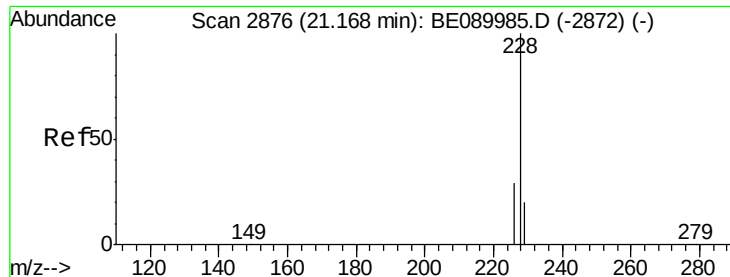
Tgt Ion:244 Resp: 102560
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 12.5 9.8 14.8



#28
 Benzo(a)anthracene
 Concen: 4.18 ng
 RT: 21.11 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: BE089991.D
 Acq: 29 Jun 2015 20:20

Tgt Ion:228 Resp: 153800
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.8 32.6
 229 19.8 15.8 23.6





#29

Chrysene

Concen: 4.11 ng

RT: 21.16 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

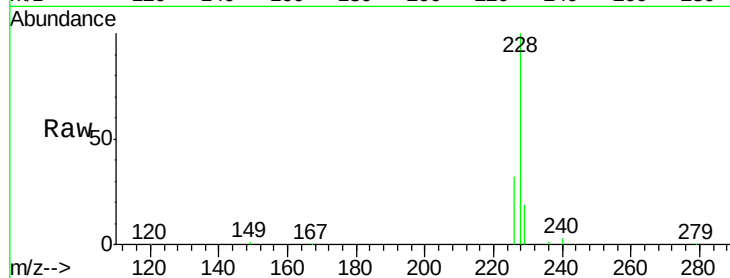
Tgt Ion:228 Resp: 156754

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.0

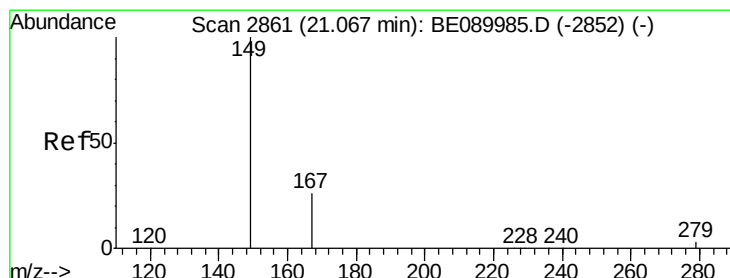
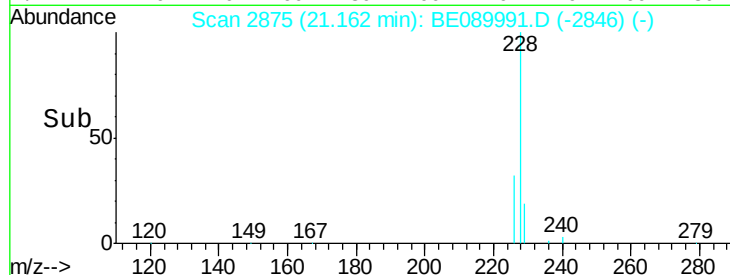
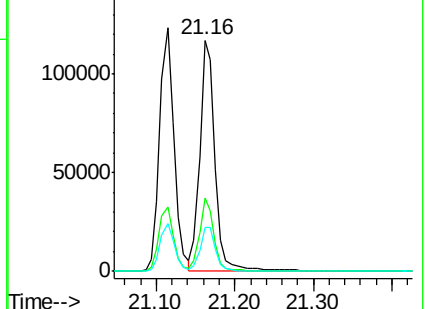
229 19.0 16.2 24.2



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: 2.83 ng

RT: 21.07 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

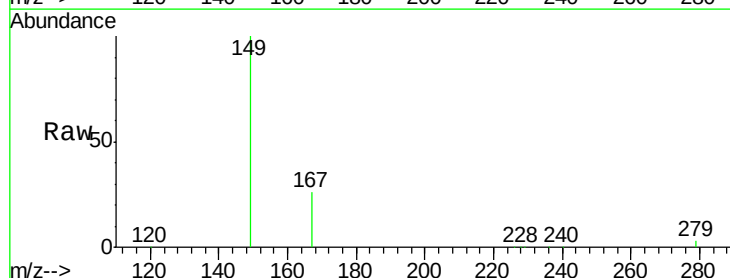
Tgt Ion:149 Resp: 45519

Ion Ratio Lower Upper

149 100

167 25.2 20.3 30.5

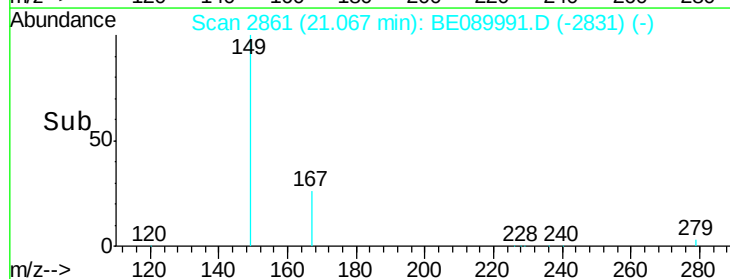
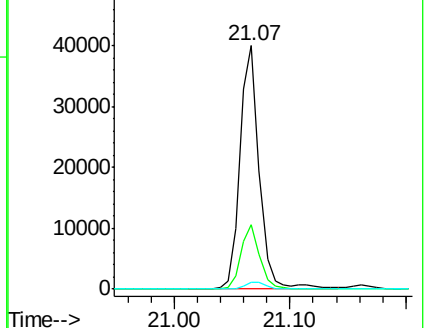
279 3.0 2.6 3.8

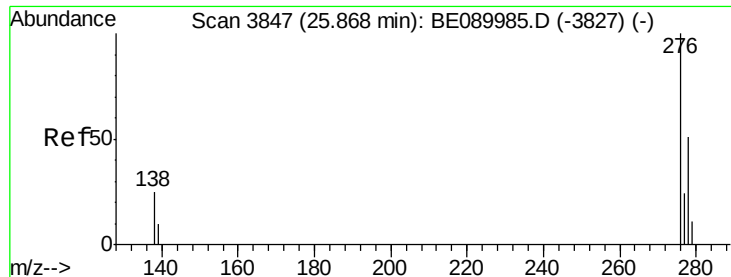


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.17 ng

RT: 25.86 min Scan# 3846

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

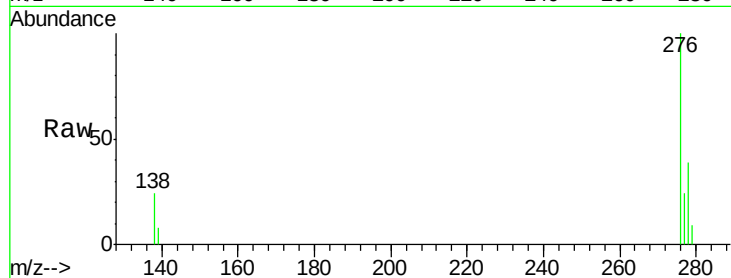
Tgt Ion: 276 Resp: 152817

Ion Ratio Lower Upper

276 100

138 26.9 21.3 31.9

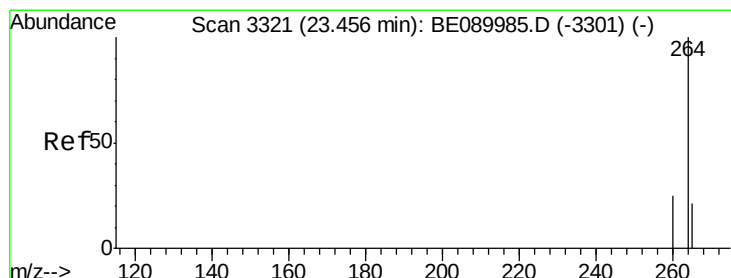
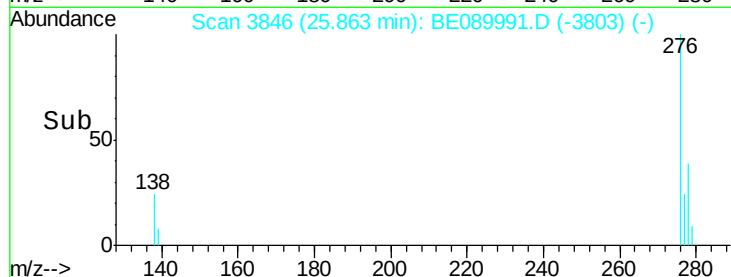
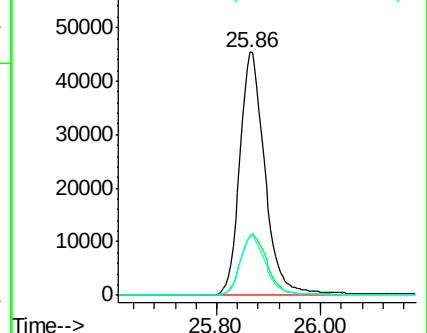
277 24.9 19.7 29.5



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: 23.46 min Scan# 3321

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

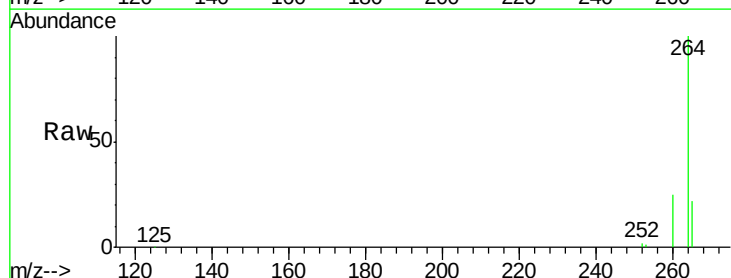
Tgt Ion: 264 Resp: 136711

Ion Ratio Lower Upper

264 100

260 24.7 20.2 30.2

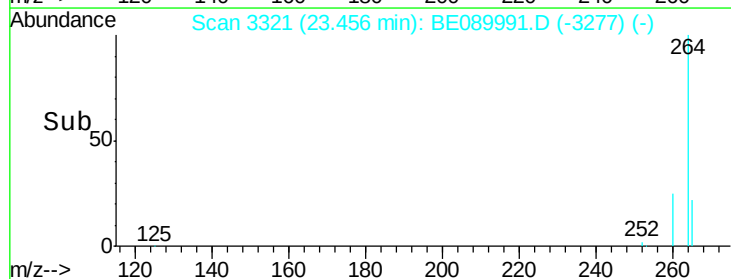
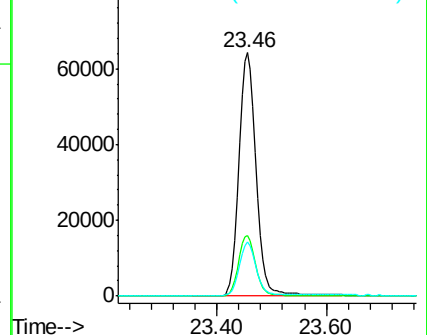
265 22.0 17.1 25.7

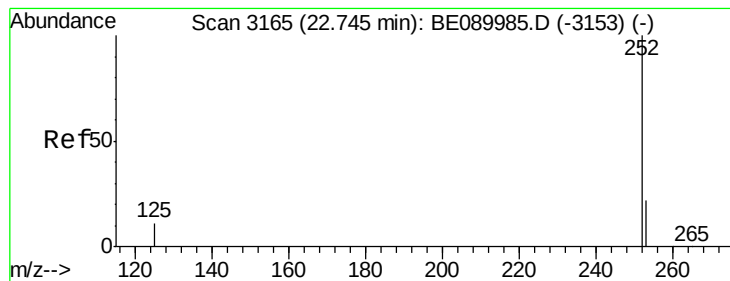


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 4.54 ng

RT: 22.75 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

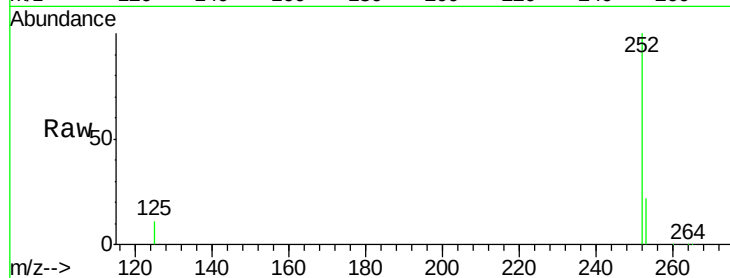
Tgt Ion:252 Resp: 136918

Ion Ratio Lower Upper

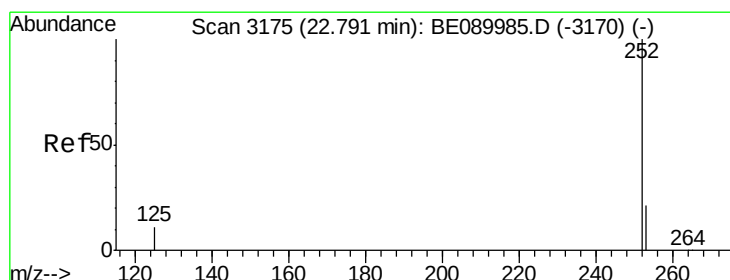
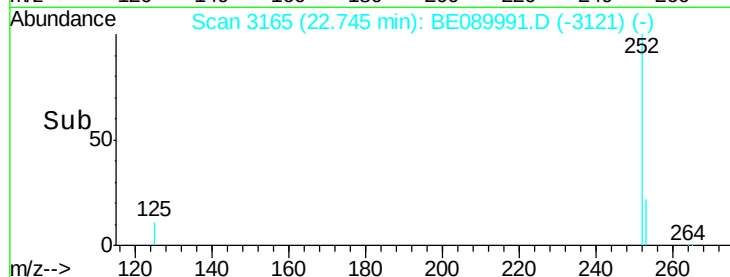
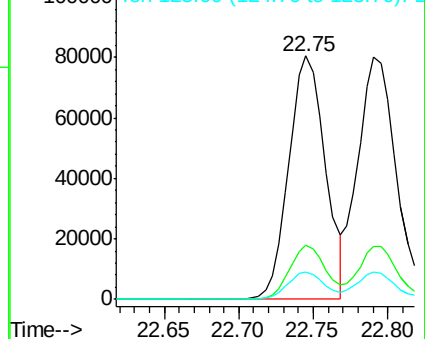
252 100

253 22.3 17.8 26.8

125 11.3 9.0 13.4



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



#34

Benzo(k)fluoranthene

Concen: 4.44 ng

RT: 22.79 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

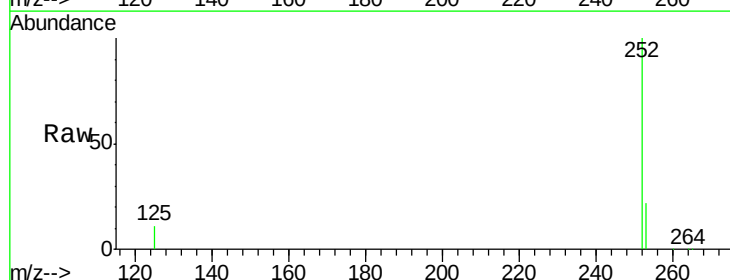
Tgt Ion:252 Resp: 149658

Ion Ratio Lower Upper

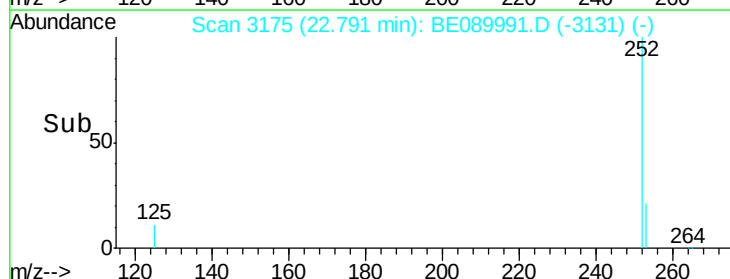
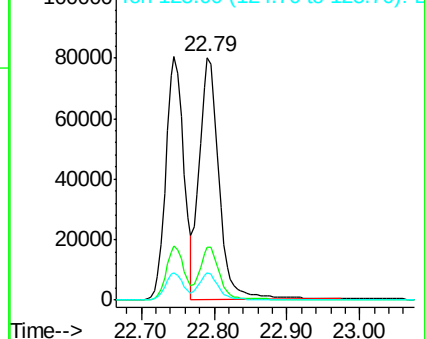
252 100

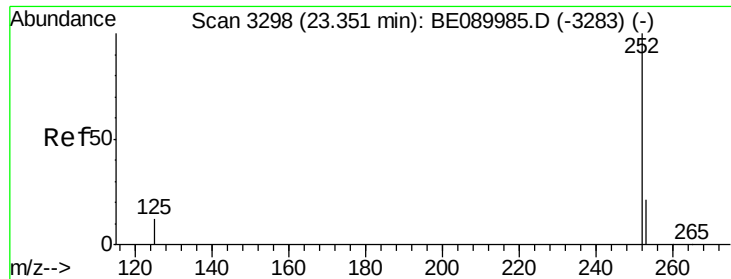
253 21.6 17.5 26.3

125 11.4 9.5 14.3



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: 4.68 ng

RT: 23.35 min Scan# 3297

Delta R.T. -0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS

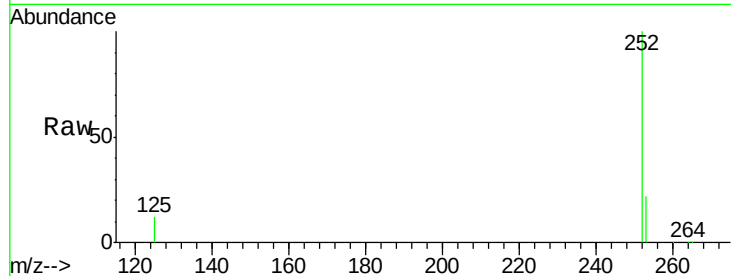
Tgt Ion:252 Resp: 130373

Ion Ratio Lower Upper

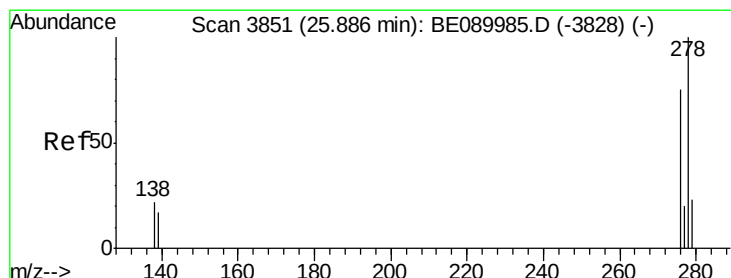
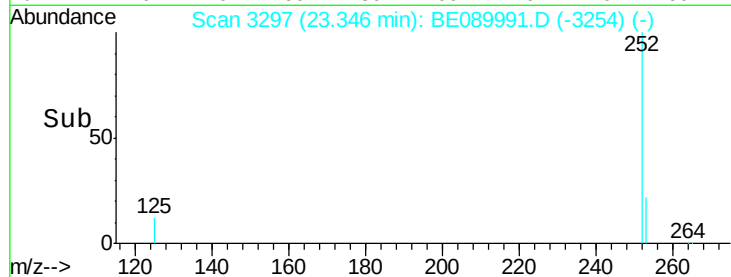
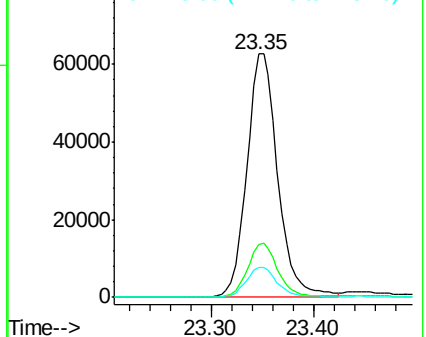
252 100

253 21.8 17.4 26.2

125 12.5 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 4.41 ng

RT: 25.89 min Scan# 3852

Delta R.T. 0.00 min

Lab File: BE089991.D

Acq: 29 Jun 2015 20:20

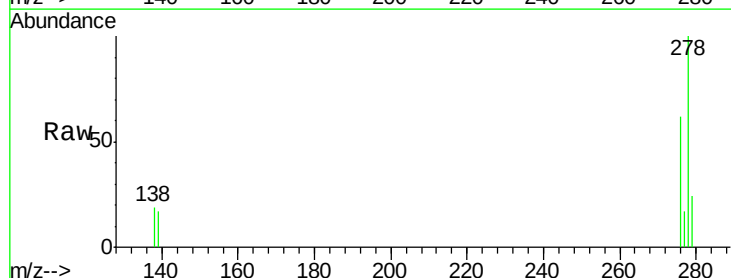
Tgt Ion:278 Resp: 125993

Ion Ratio Lower Upper

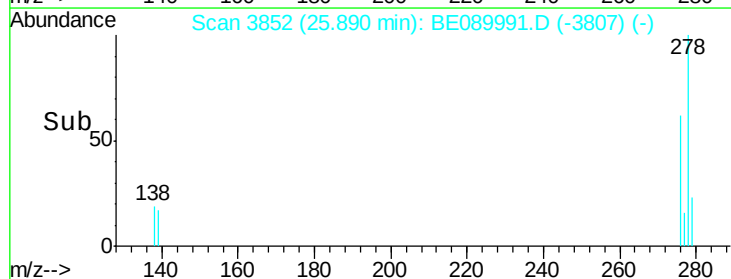
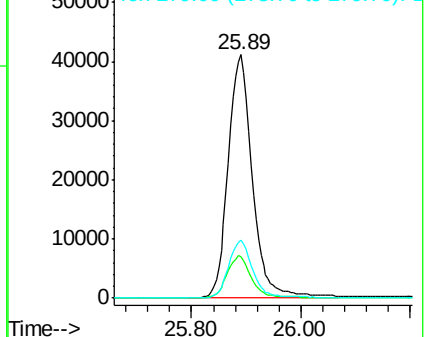
278 100

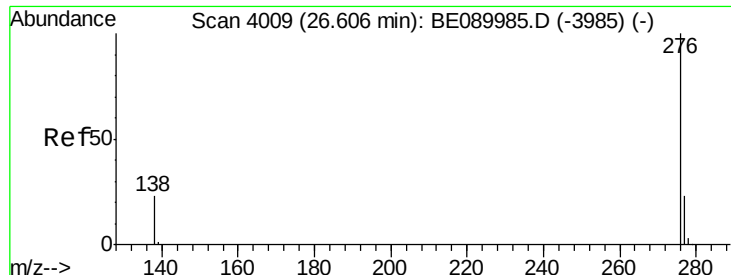
139 16.9 14.4 21.6

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: 4.39 ng

RT: 26.60 min Scan# 4008

Delta R.T. -0.00 min

Lab File: BE089991.D

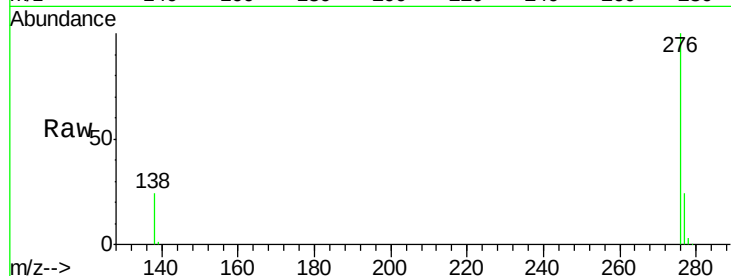
Acq: 29 Jun 2015 20:20

Instrument :

BNA_E

ClientSampleId :

PB84249BS



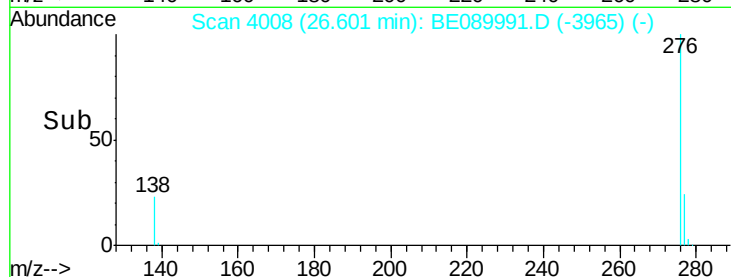
Tgt Ion: 276 Resp: 127270

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 23.6 18.6 27.8



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

