

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090021.D
 Acq On : 30 Jun 2015 21:30
 Operator : TP/IZ
 Sample : G2824-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0670006-150626

Quant Time: Jul 01 05:18:57 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

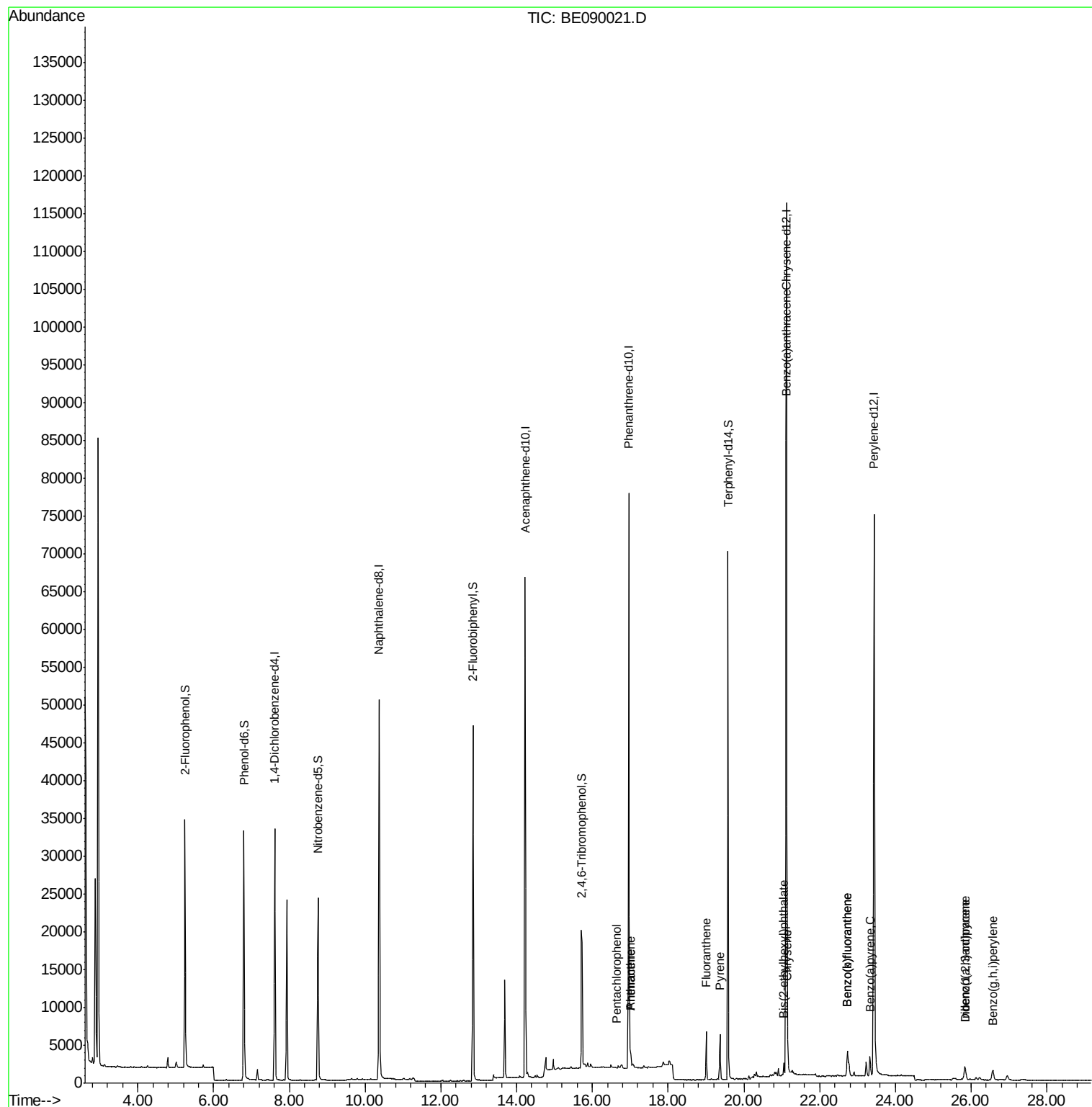
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	15636	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	68882	5.00	ng	-0.02
12) Acenaphthene-d10	14.23	164	38694	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	90877	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	108545	5.00	ng	-0.01
32) Perylene-d12	23.44	264	102593	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	23518	6.55	ng	0.00
5) Phenol-d6	6.80	99	35451	7.05	ng	0.00
7) Nitrobenzene-d5	8.75	82	21115	3.86	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	9751	8.60	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	45293	3.89	ng	0.00
27) Terphenyl-d14	19.58	244	71713	3.97	ng	0.00
Target Compounds						
21) Pentachlorophenol	16.63	266	23	0.27	ng	Qvalue # 55
22) Phenanthrene	17.01	178	2297	0.10	ng	95
23) Anthracene	17.01	178	2267	0.11	ng	96
24) Fluoranthene	19.01	202	5717	0.22	ng	99
26) Pyrene	19.37	202	5387	0.21	ng	97
28) Benzo(a)anthracene	21.11	228	3923	0.14	ng	95
29) Chrysene	21.15	228	4338	0.15	ng	96
30) Bis(2-ethylhexyl)phthalate	21.05	149	1522	0.42	ng	94
31) Indeno(1,2,3-cd)pyrene	25.84	276	3001	0.11	ng	99
33) Benzo(b)fluoranthene	22.73	252	5785	0.26	ng	# 88
34) Benzo(k)fluoranthene	22.73	252	5785	0.23	ng	# 88
35) Benzo(a)pyrene	23.33	252	3856	0.18	ng	# 86
36) Dibenzo(a,h)anthracene	25.85	278	978	0.05	ng	# 58
37) Benzo(g,h,i)perylene	26.57	276	3036	0.14	ng	# 85

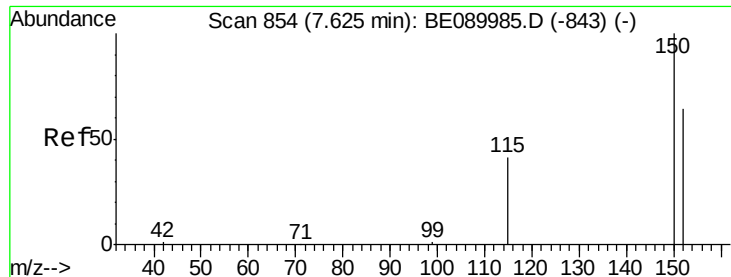
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

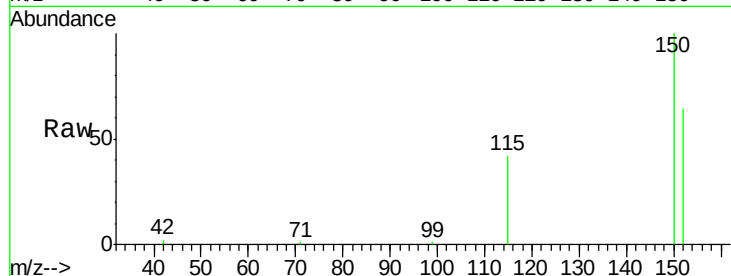
Tgt Ion:152 Resp: 15636

Ion Ratio Lower Upper

152 100

150 156.2 123.9 185.9

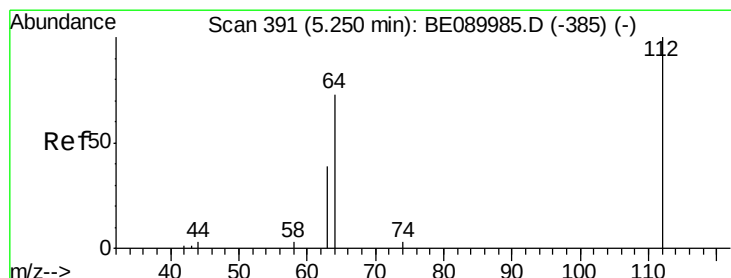
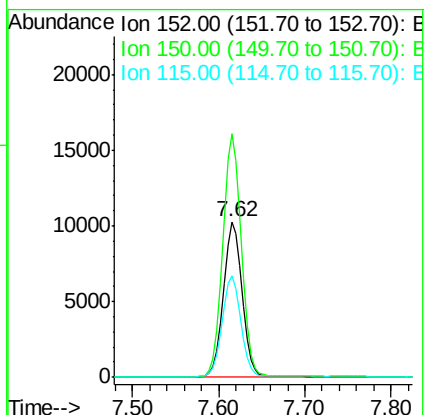
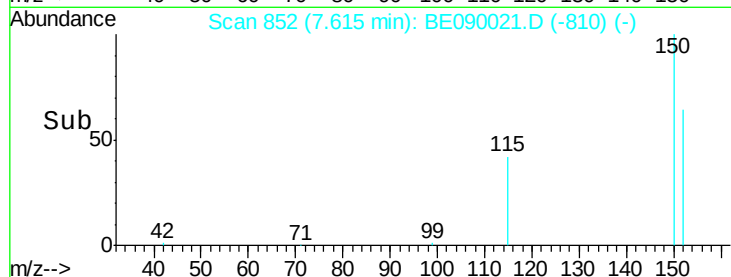
115 65.5 50.6 76.0



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



#4

2-Fluorophenol

Concen: 6.55 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

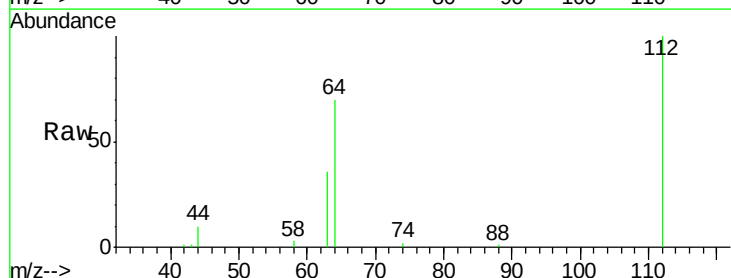
Tgt Ion:112 Resp: 23518

Ion Ratio Lower Upper

112 100

64 70.0 56.3 84.5

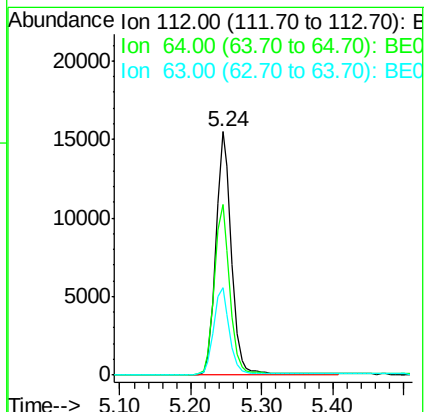
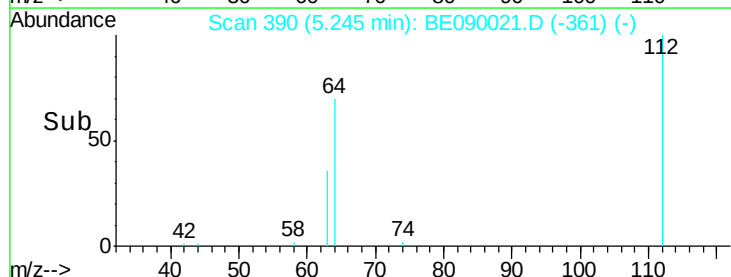
63 36.3 29.8 44.6

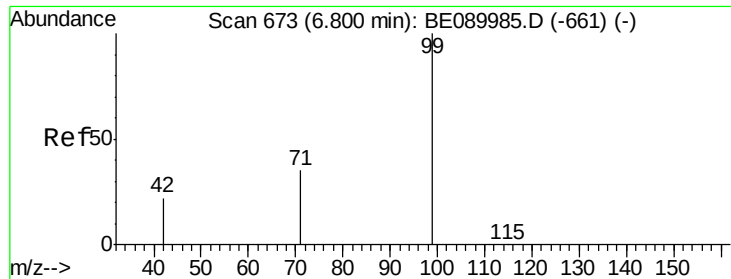


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.05 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

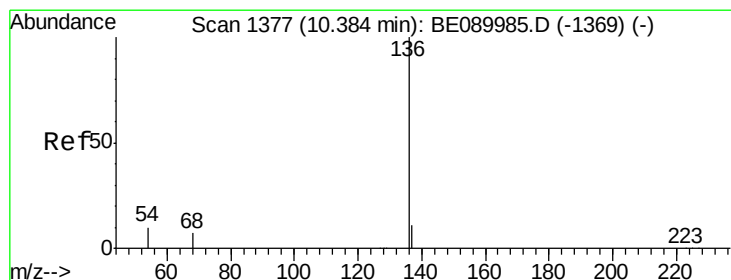
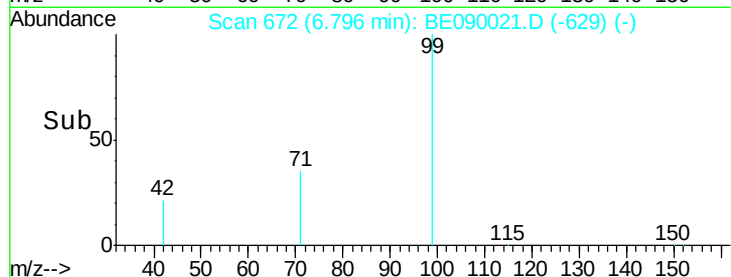
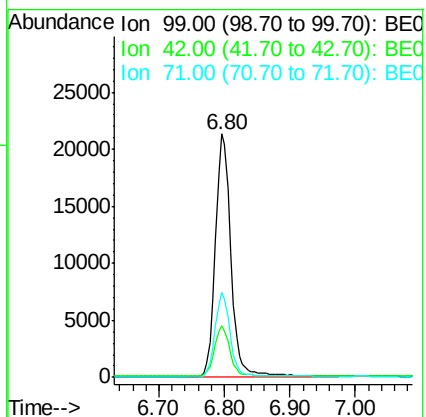
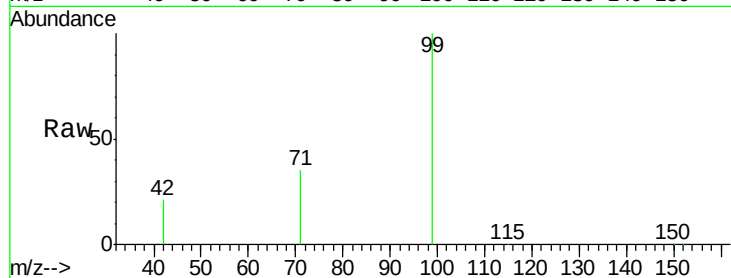
Tgt Ion: 99 Resp: 35451

Ion Ratio Lower Upper

99 100

42 20.4 18.7 28.1

71 33.5 27.5 41.3



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Tgt Ion: 136 Resp: 68882

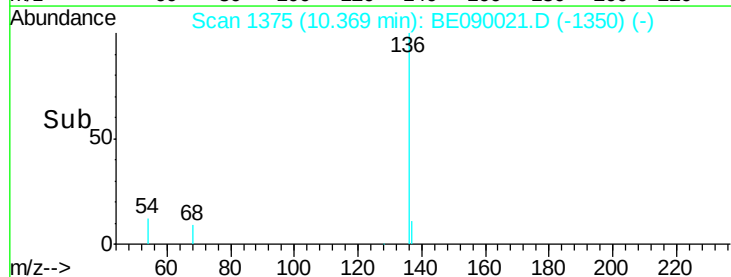
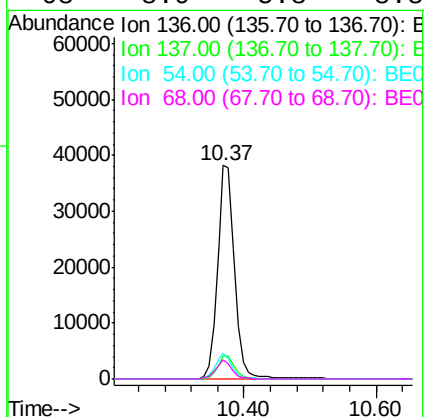
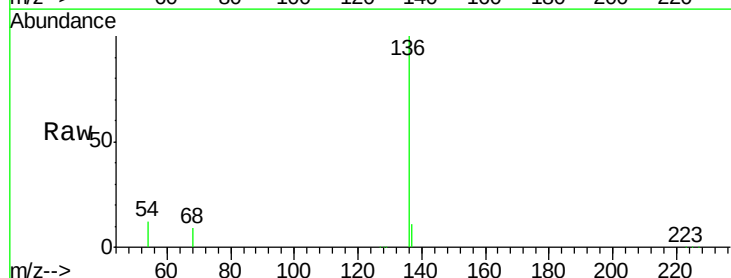
Ion Ratio Lower Upper

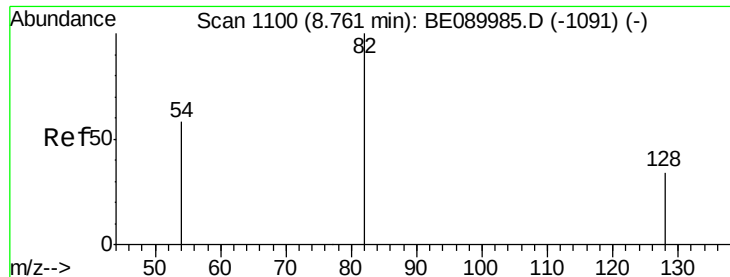
136 100

137 11.0 8.9 13.3

54 12.3 8.2 12.4

68 8.9 5.8 8.8#





#7

Nitrobenzene-d5

Concen: 3.86 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

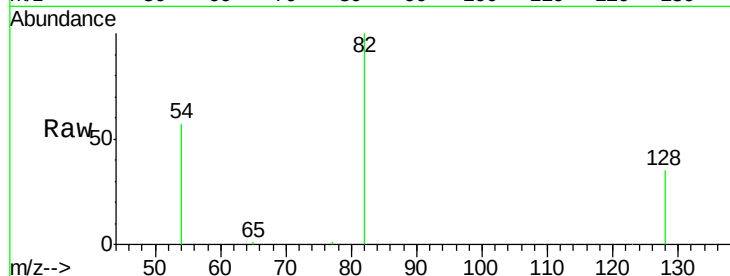
Tgt Ion: 82 Resp: 21115

Ion Ratio Lower Upper

82 100

128 35.2 28.0 42.0

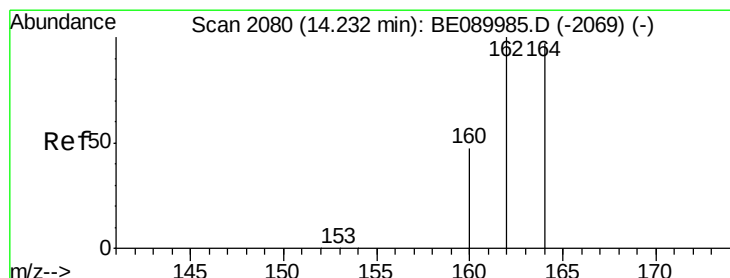
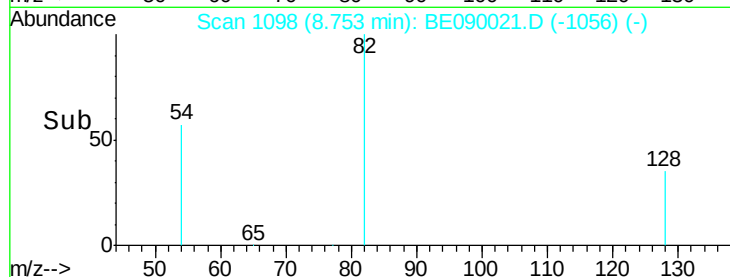
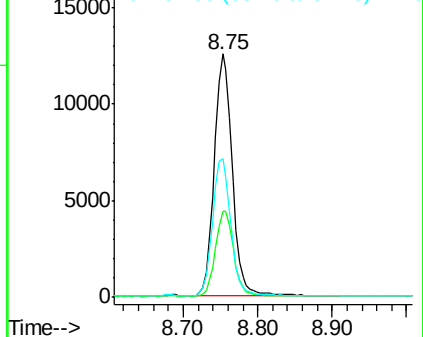
54 56.9 47.6 71.4



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

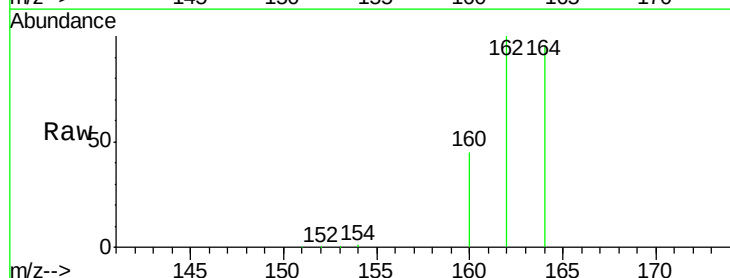
Tgt Ion: 164 Resp: 38694

Ion Ratio Lower Upper

164 100

162 104.5 82.2 123.4

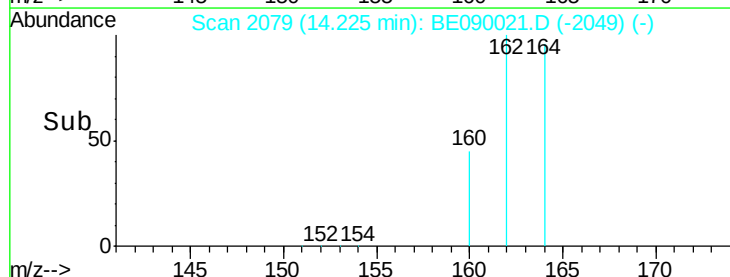
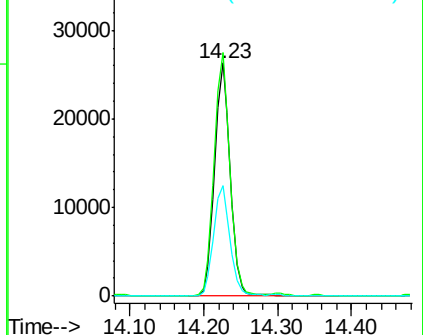
160 47.3 39.0 58.6

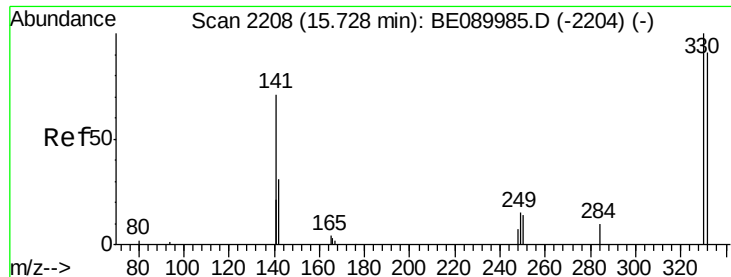


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

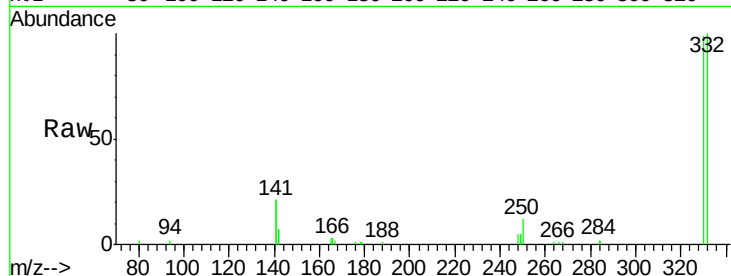




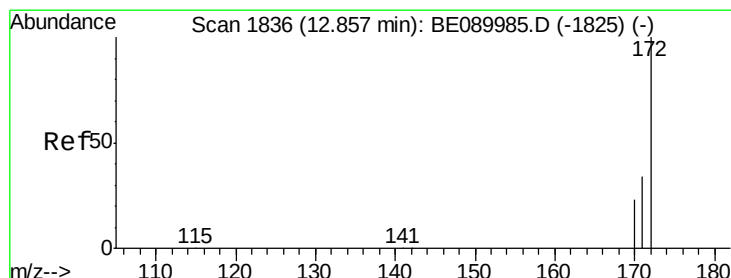
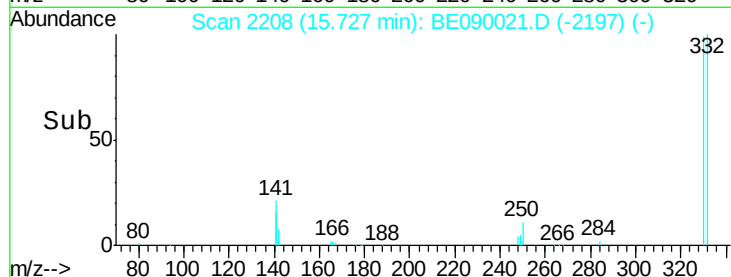
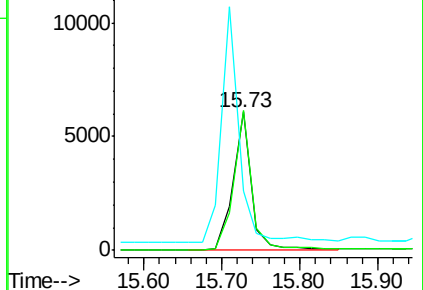
#13
 2,4,6-Tribromophenol
 Concen: 8.60 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE090021.D
 Acq: 30 Jun 2015 21:30

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0670006-150626

Tgt Ion: 330 Resp: 9751
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.4 114.6
 141 166.2 130.3 195.5

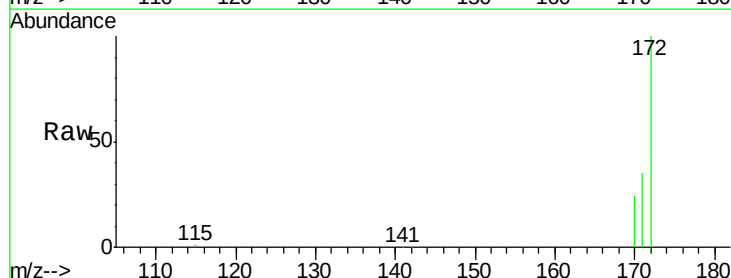


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

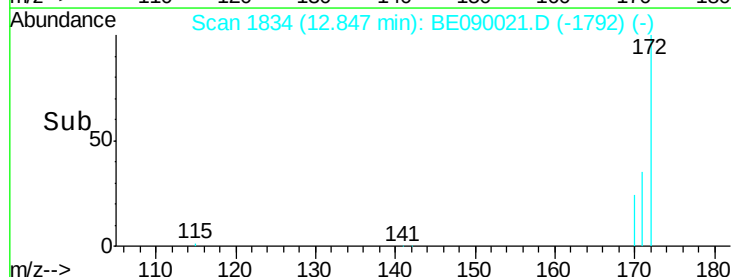
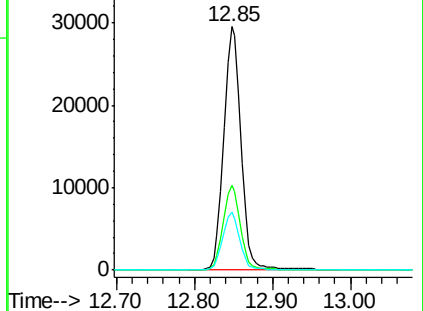


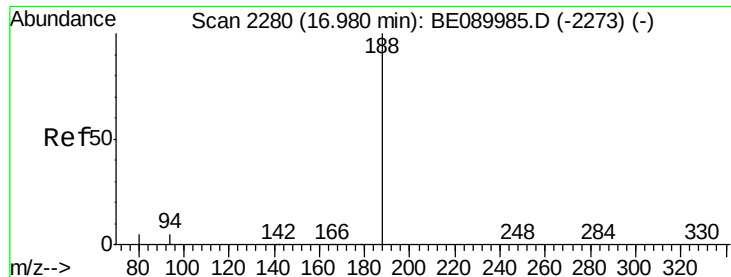
#14
 2-Fluorobiphenyl
 Concen: 3.89 ng
 RT: 12.85 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BE090021.D
 Acq: 30 Jun 2015 21:30

Tgt Ion: 172 Resp: 45293
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.8 41.6
 170 24.0 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





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

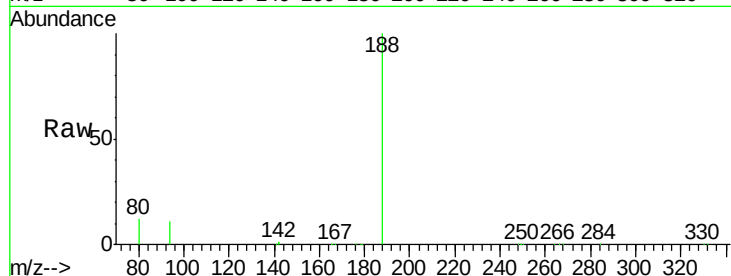
Tgt Ion:188 Resp: 90877

Ion Ratio Lower Upper

188 100

94 11.0 4.1 6.1#

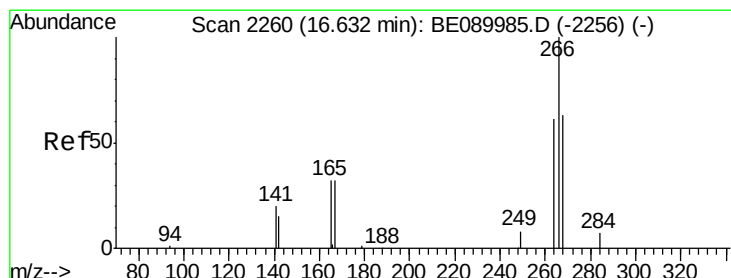
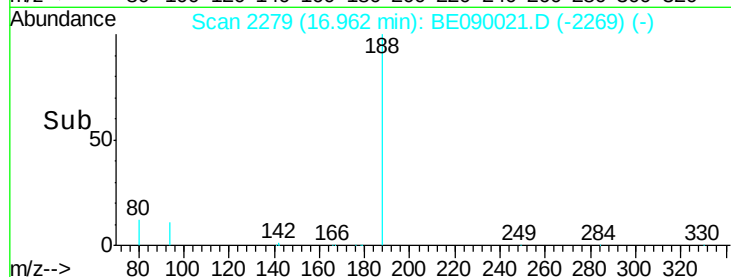
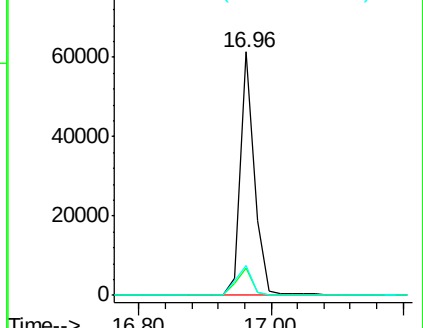
80 12.0 4.2 6.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Pentachlorophenol

Concen: 0.27 ng

RT: 16.63 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

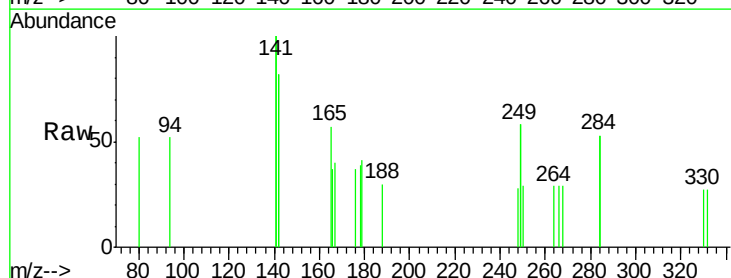
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

268 100.0 51.8 77.8#

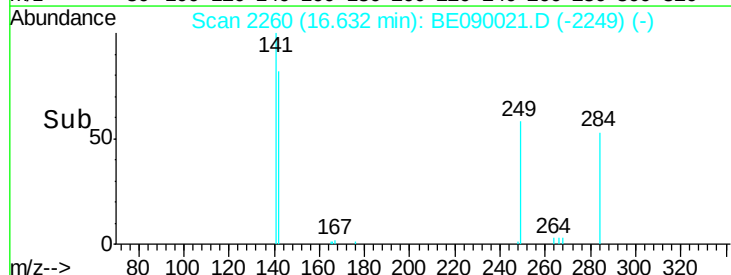
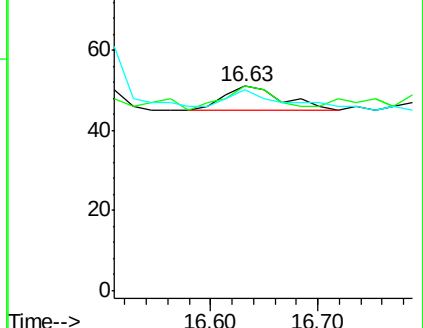
264 98.0 50.2 75.2#

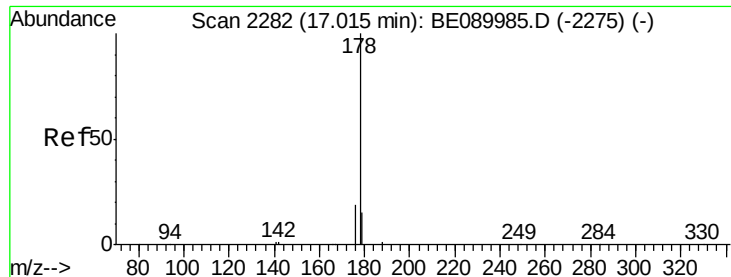


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.10 ng

RT: 17.01 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

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ClientSampleId :

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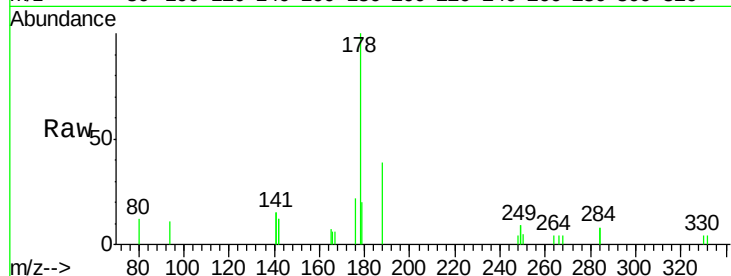
Tgt Ion:178 Resp: 2297

Ion Ratio Lower Upper

178 100

176 21.2 15.3 22.9

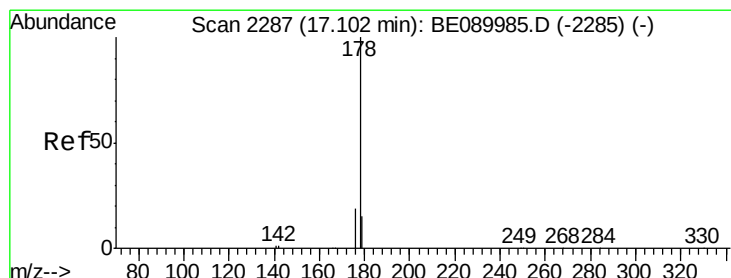
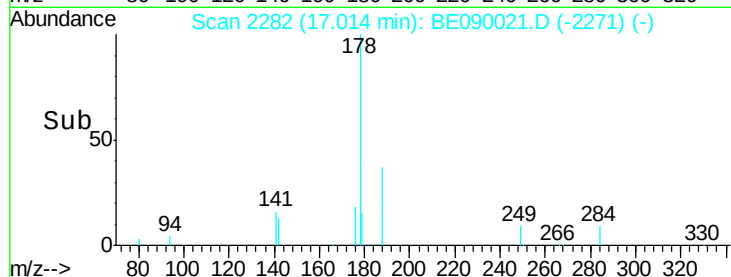
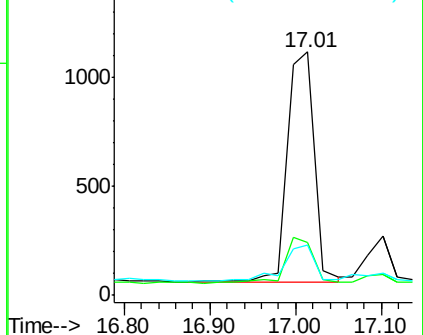
179 18.1 12.4 18.6



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: 0.11 ng

RT: 17.01 min Scan# 2282

Delta R.T. -0.09 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

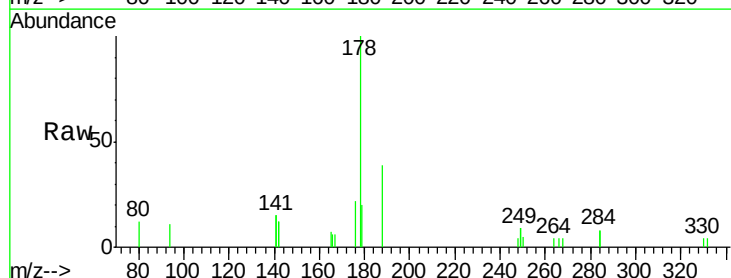
Tgt Ion:178 Resp: 2267

Ion Ratio Lower Upper

178 100

176 19.9 14.7 22.1

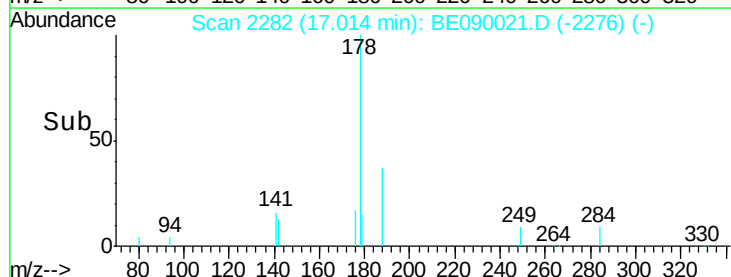
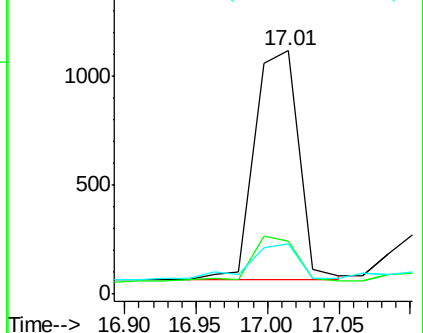
179 16.8 12.1 18.1

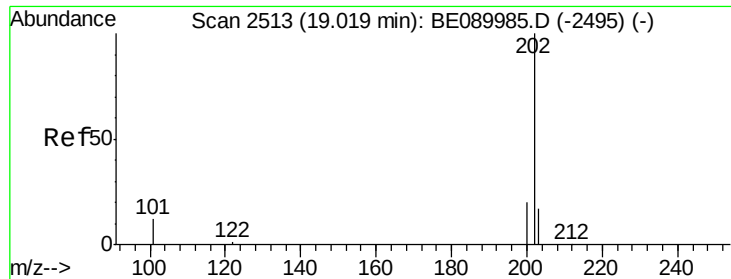


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene

Concen: 0.22 ng

RT: 19.01 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

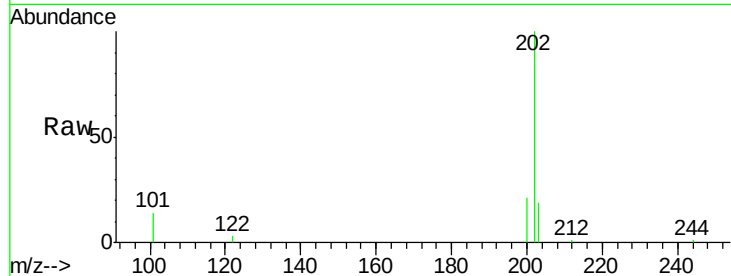
Tgt Ion:202 Resp: 5717

Ion Ratio Lower Upper

202 100

101 14.1 10.6 15.8

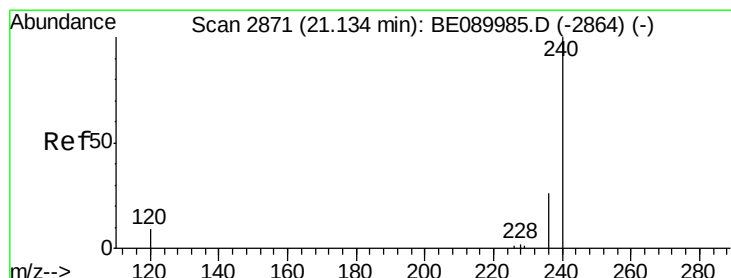
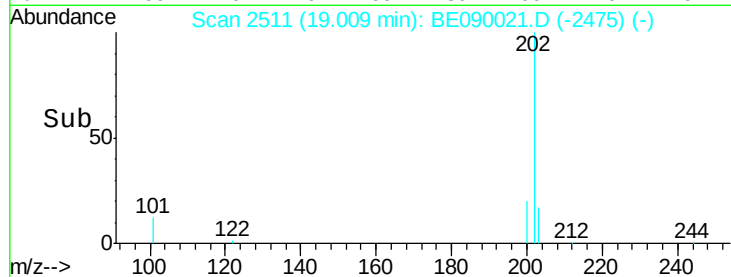
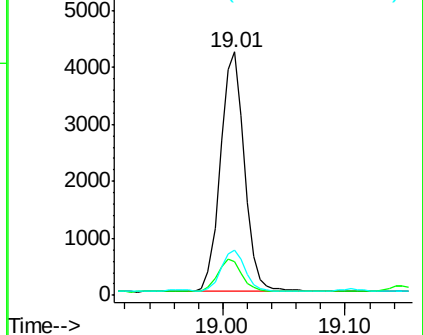
203 17.2 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

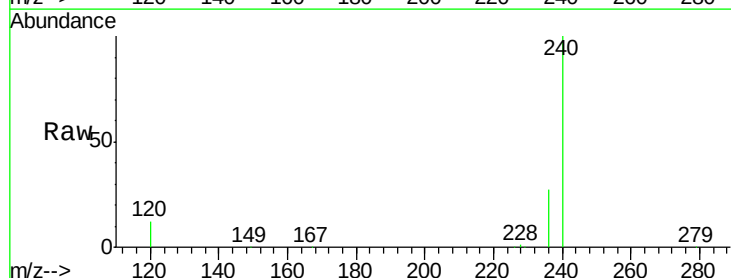
Tgt Ion:240 Resp: 108545

Ion Ratio Lower Upper

240 100

120 12.0 6.9 10.3#

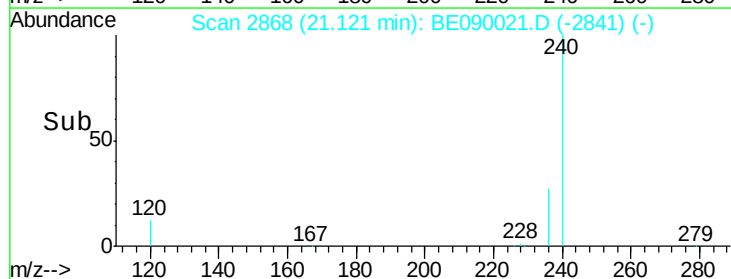
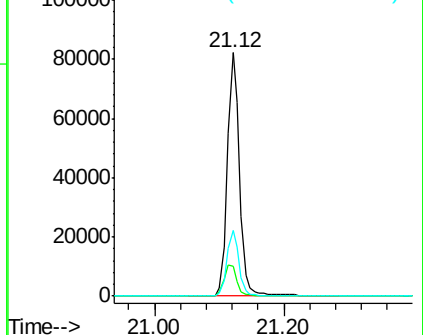
236 27.2 20.8 31.2

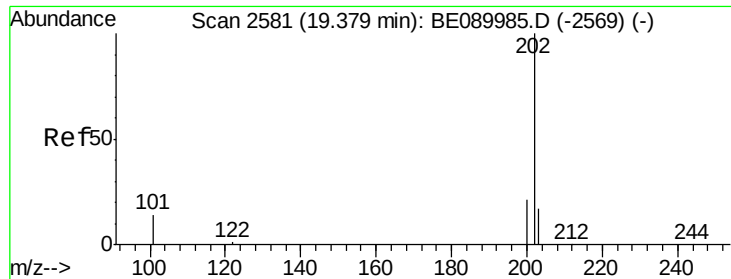


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

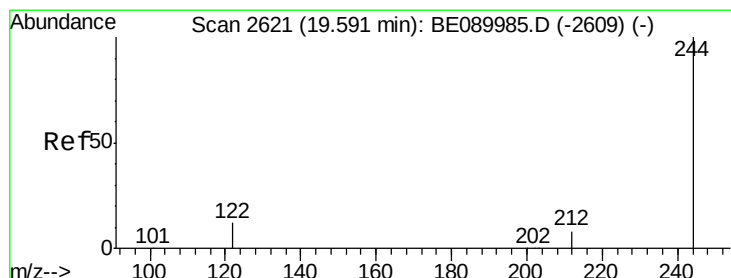
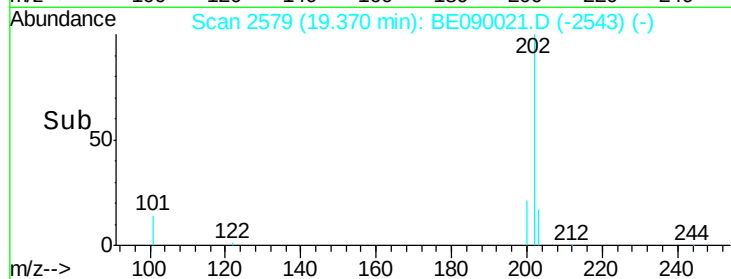
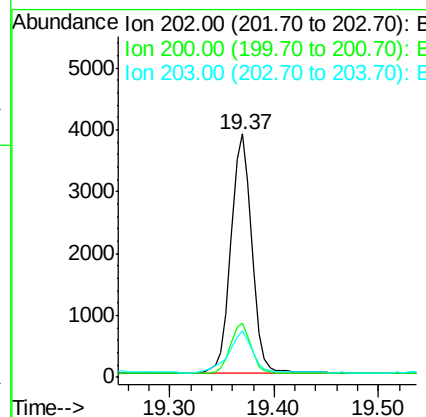
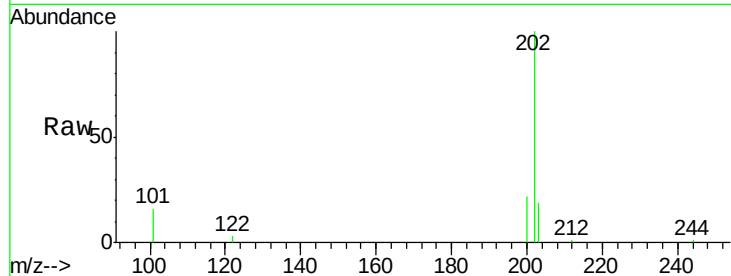




#26
 Pyrene
 Concen: 0.21 ng
 RT: 19.37 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BE090021.D
 Acq: 30 Jun 2015 21:30

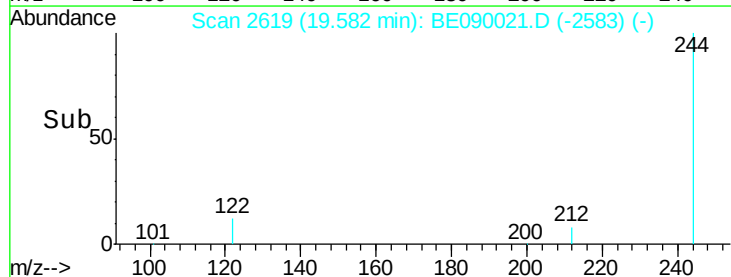
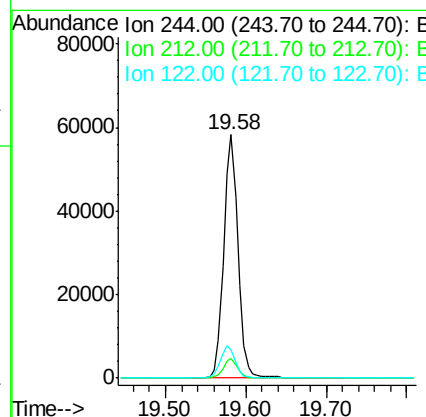
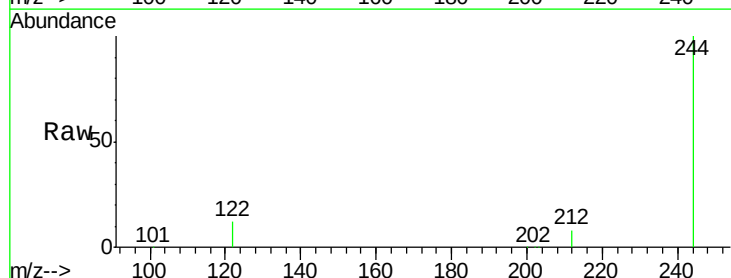
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0670006-150626

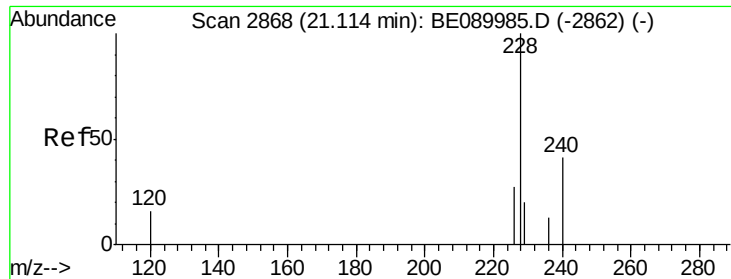
Tgt Ion: 202 Resp: 5387
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.8 25.2
 203 20.0 13.9 20.9



#27
 Terphenyl-d14
 Concen: 3.97 ng
 RT: 19.58 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BE090021.D
 Acq: 30 Jun 2015 21:30

Tgt Ion: 244 Resp: 71713
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 9.8
 122 11.7 9.8 14.8





#28

Benzo(a)anthracene

Concen: 0.14 ng

RT: 21.11 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

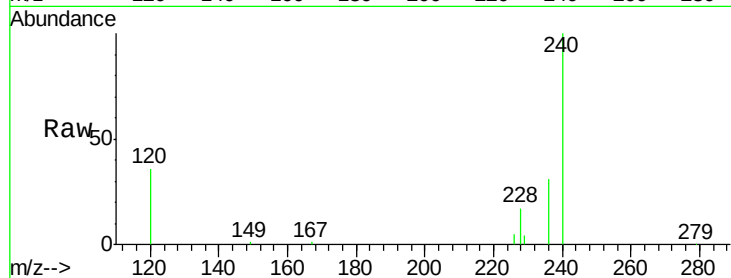
Tgt Ion:228 Resp: 3923

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.6

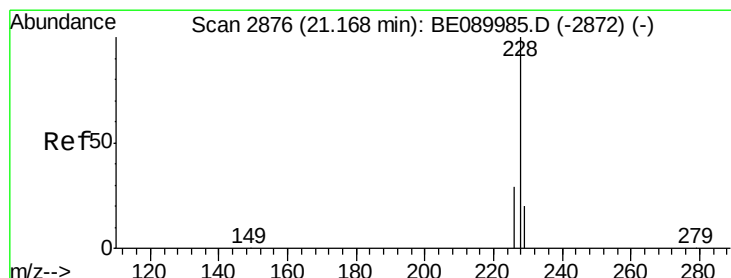
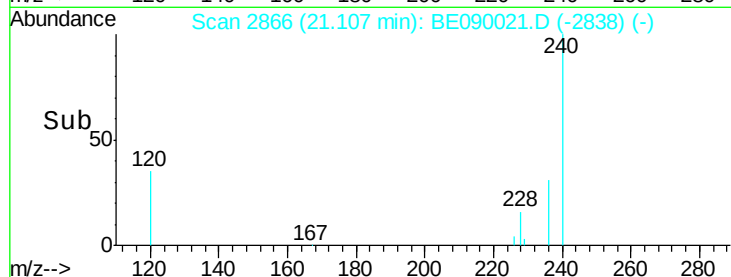
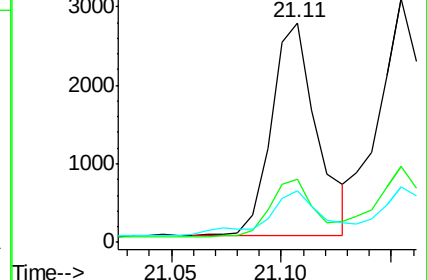
229 23.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#29

Chrysene

Concen: 0.15 ng

RT: 21.15 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

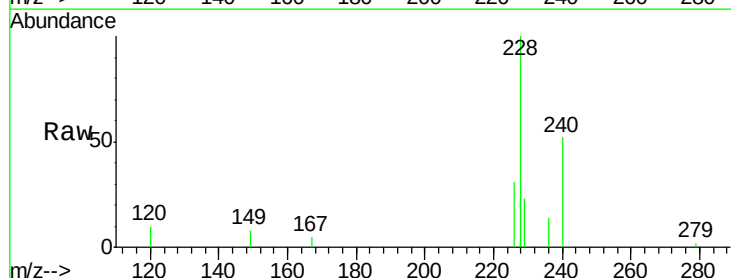
Tgt Ion:228 Resp: 4338

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.0

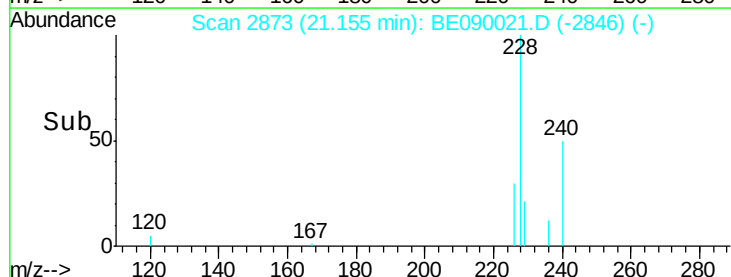
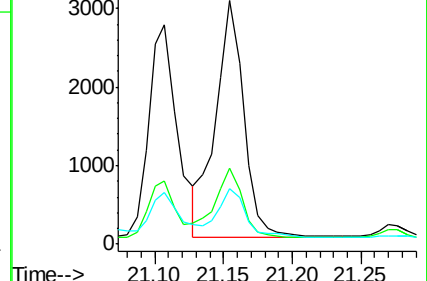
229 22.7 16.2 24.2

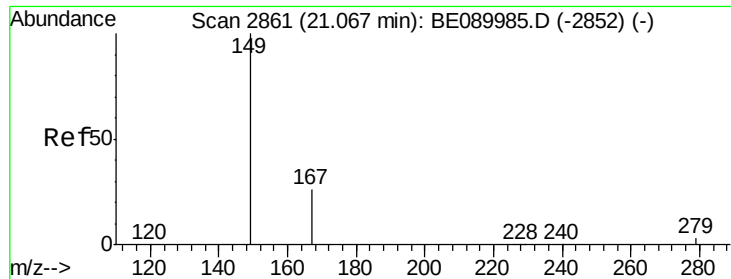


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.42 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

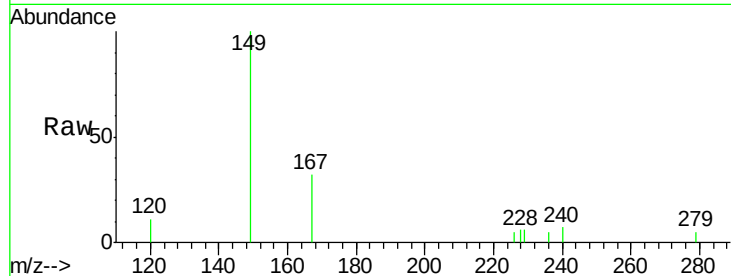
Tgt Ion:149 Resp: 1522

Ion Ratio Lower Upper

149 100

167 28.6 20.3 30.5

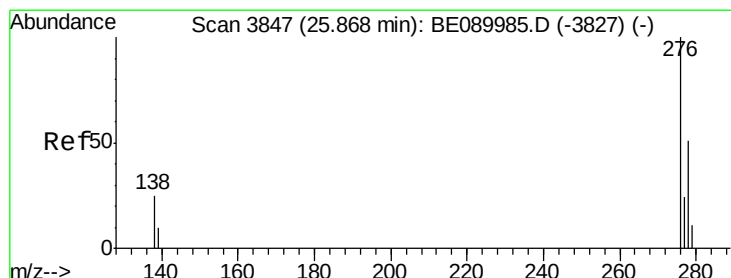
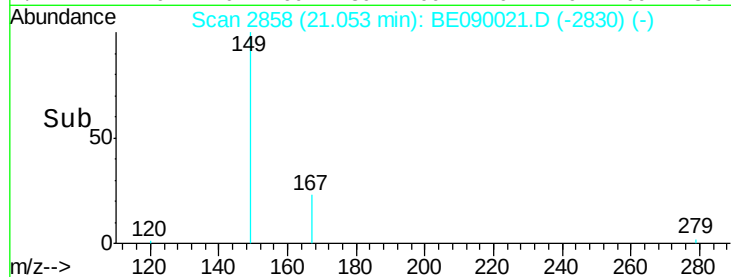
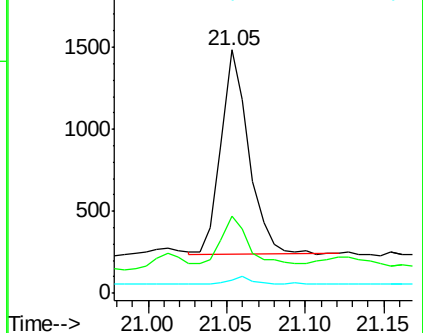
279 2.9 2.6 3.8



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: 0.11 ng

RT: 25.84 min Scan# 3839

Delta R.T. -0.03 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

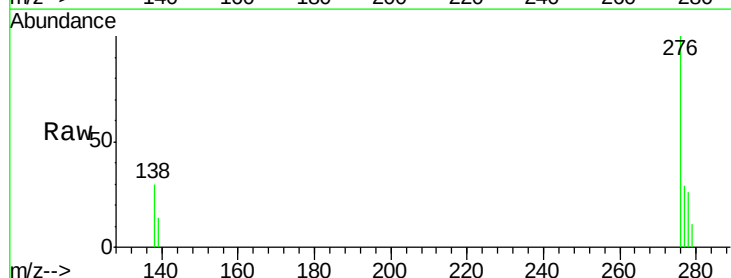
Tgt Ion:276 Resp: 3001

Ion Ratio Lower Upper

276 100

138 25.8 21.3 31.9

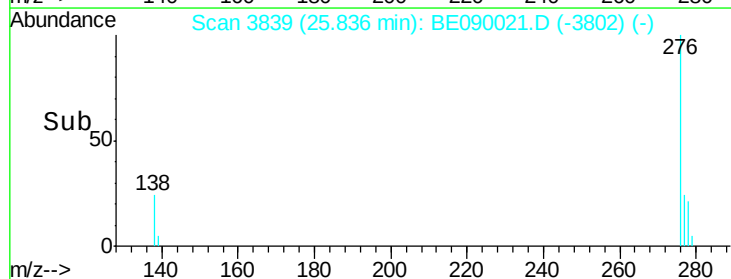
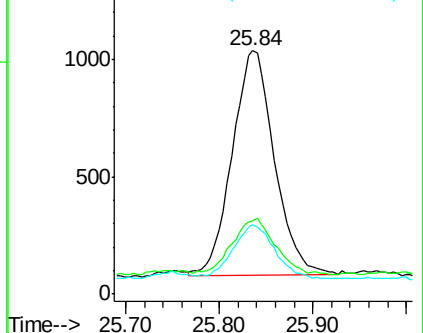
277 24.0 19.7 29.5

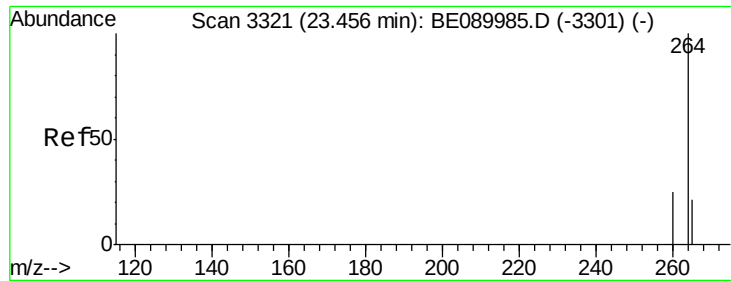


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

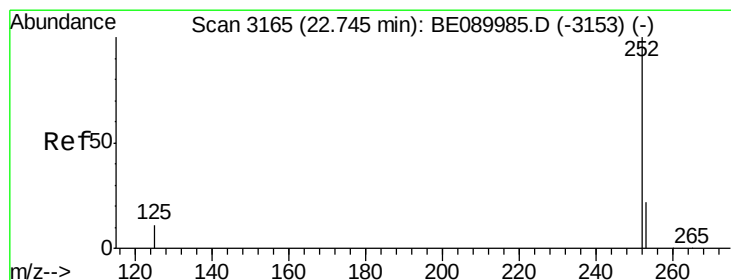
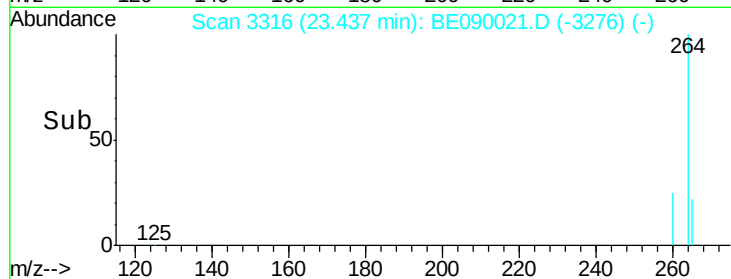
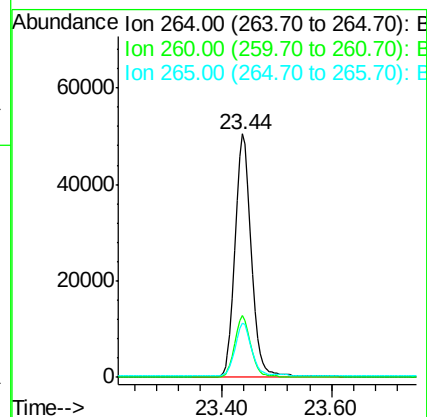
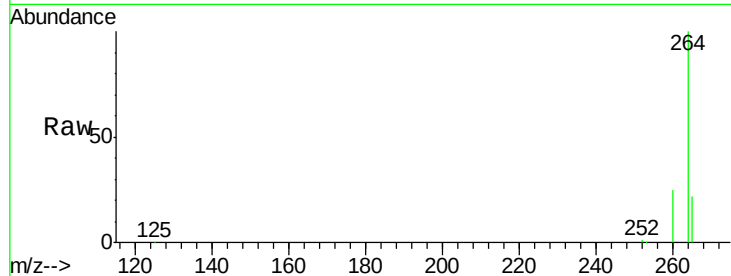




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3316
 Delta R.T. -0.02 min
 Lab File: BE090021.D
 Acq: 30 Jun 2015 21:30

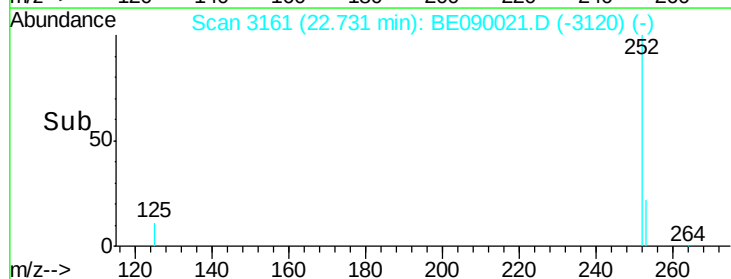
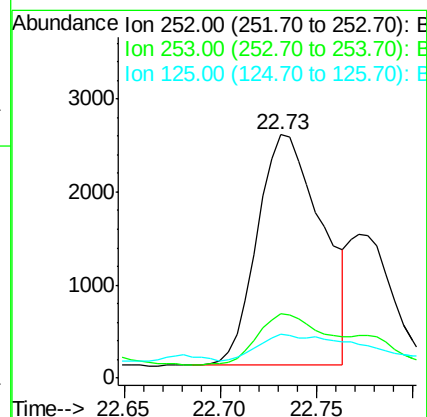
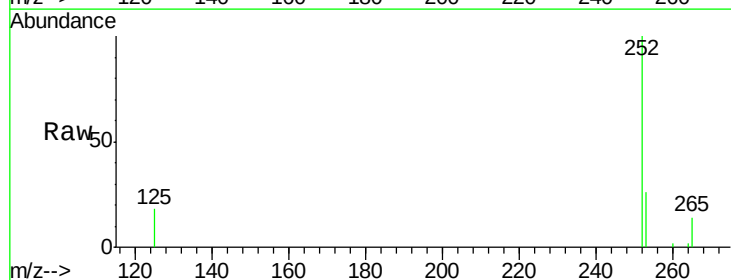
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0670006-150626

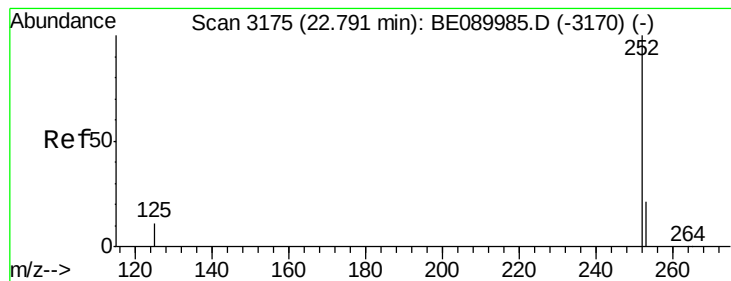
Tgt Ion: 264 Resp: 102593
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.2 30.2
 265 22.4 17.1 25.7



#33
 Benzo(b)fluoranthene
 Concen: 0.26 ng
 RT: 22.73 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BE090021.D
 Acq: 30 Jun 2015 21:30

Tgt Ion: 252 Resp: 5785
 Ion Ratio Lower Upper
 252 100
 253 26.4 17.8 26.8
 125 18.1 9.0 13.4#





#34

Benzo(k)fluoranthene

Concen: 0.23 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.06 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

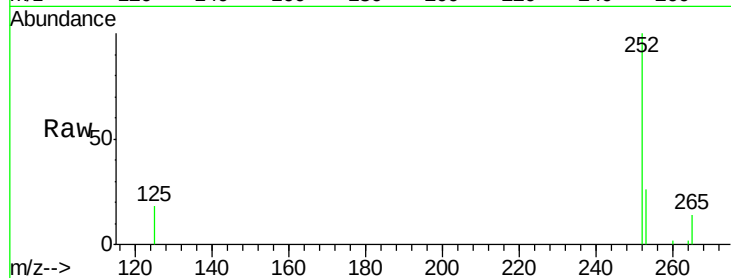
Tgt Ion:252 Resp: 5785

Ion Ratio Lower Upper

252 100

253 26.4 17.5 26.3#

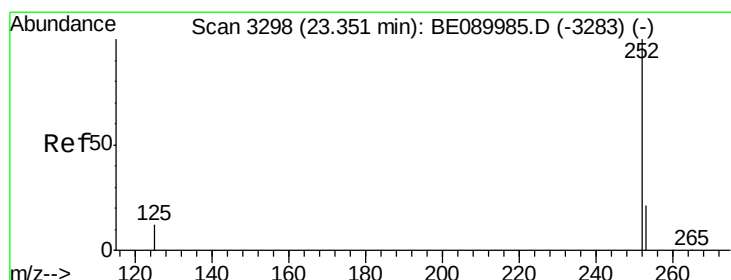
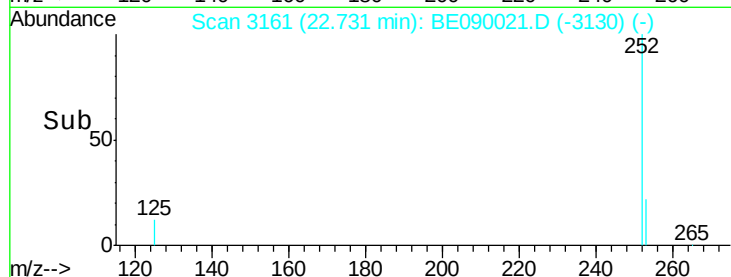
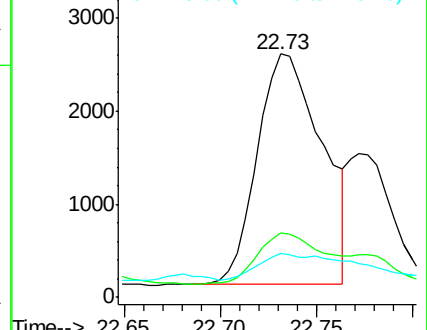
125 18.1 9.5 14.3#



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: 0.18 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

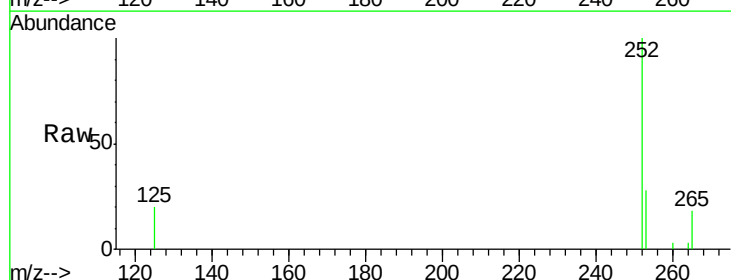
Tgt Ion:252 Resp: 3856

Ion Ratio Lower Upper

252 100

253 27.5 17.4 26.2#

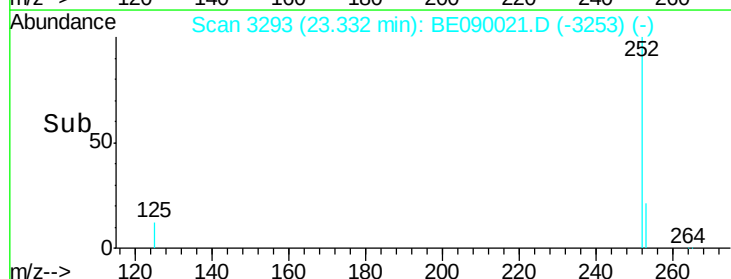
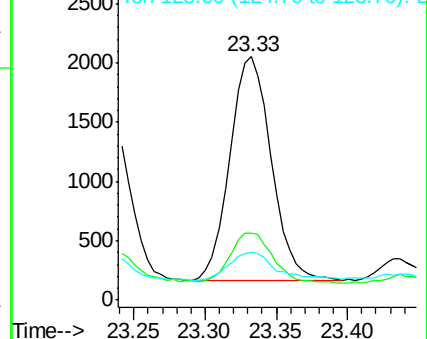
125 19.7 10.5 15.7#

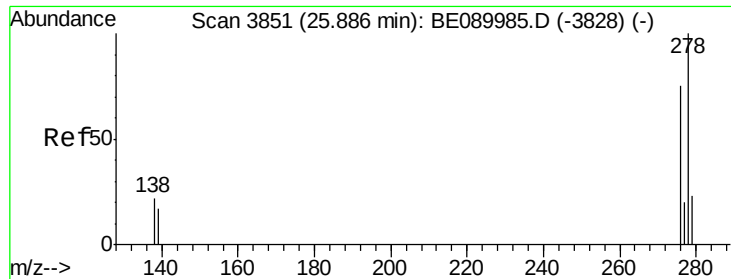


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.85 min Scan# 3842

Delta R.T. -0.04 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

Instrument :

BNA_E

ClientSampleId :

X1SS0670006-150626

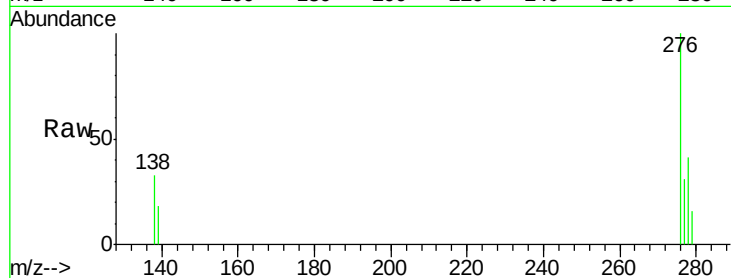
Tgt Ion:278 Resp: 978

Ion Ratio Lower Upper

278 100

139 44.3 14.4 21.6#

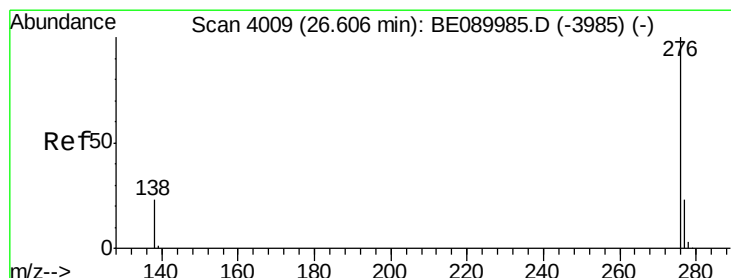
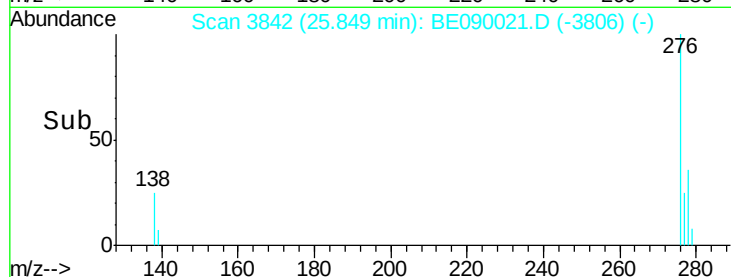
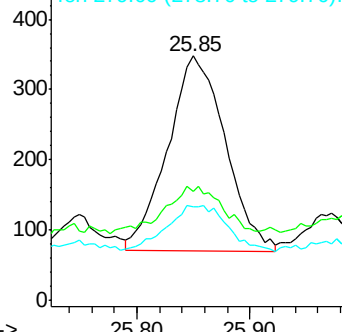
279 37.9 19.0 28.6#



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: 0.14 ng

RT: 26.57 min Scan# 4001

Delta R.T. -0.03 min

Lab File: BE090021.D

Acq: 30 Jun 2015 21:30

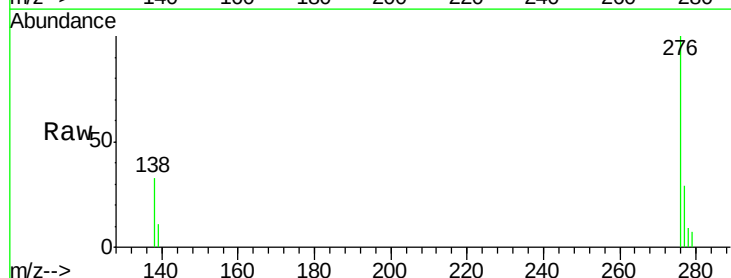
Tgt Ion:276 Resp: 3036

Ion Ratio Lower Upper

276 100

277 28.6 18.8 28.2#

138 32.6 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

