

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010715\
 Data File : BE089354.D
 Acq On : 8 Jan 2015 8:34
 Operator : TP/IZ
 Sample : PB81206BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81206BL

Quant Time: Jan 08 15:51:49 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 15:21:44 2015
 Response via : Initial Calibration

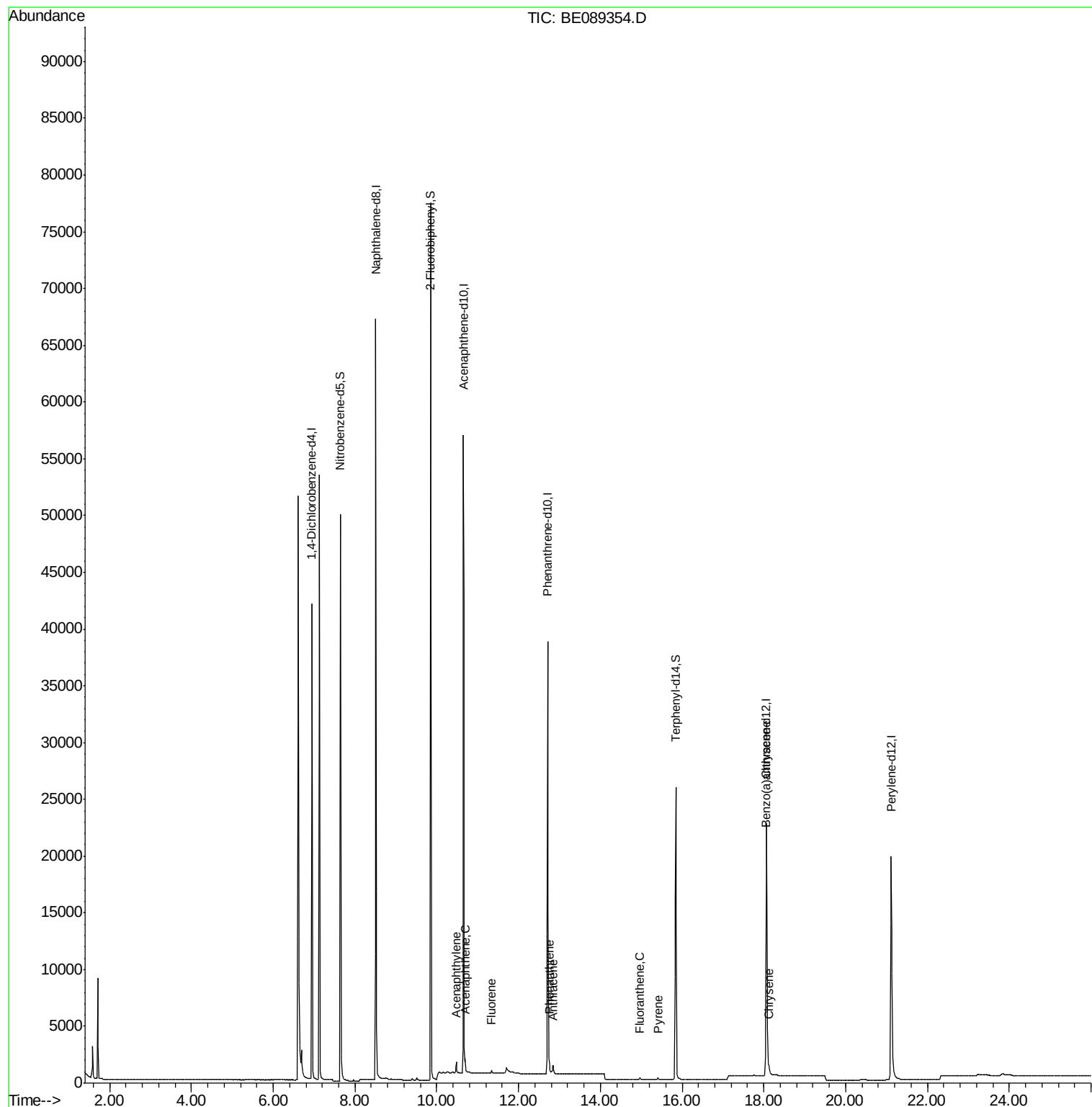
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	12015	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	50184	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	27342	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	42804	5.00	ng	0.00
15) Chrysene-d12	18.06	240	29075	5.00	ng	0.00
21) Perylene-d12	21.11	264	30518	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.64	82	23844	6.83	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	46474	6.23	ng	0.00
17) Terphenyl-d14	15.84	244	32797	6.37	ng	0.00
Target Compounds						Qvalue
8) Acenaphthylene	10.48	152	980	0.02	ng	# 63
9) Acenaphthene	10.69	154	152	0.02	ng	# 77
10) Fluorene	11.34	166	175	0.02	ng	# 99
12) Phenanthrene	12.75	178	1128	0.03	ng	# 63
13) Anthracene	12.85	178	923	0.02	ng	# 53
14) Fluoranthene	14.96	202	202	0.02	ng	# 49
16) Pyrene	15.41	202	203	0.02	ng	# 54
18) Benzo(a)anthracene	18.05	228	847	0.03	ng	# 53
19) Chrysene	18.12	228	657	0.02	ng	# 43

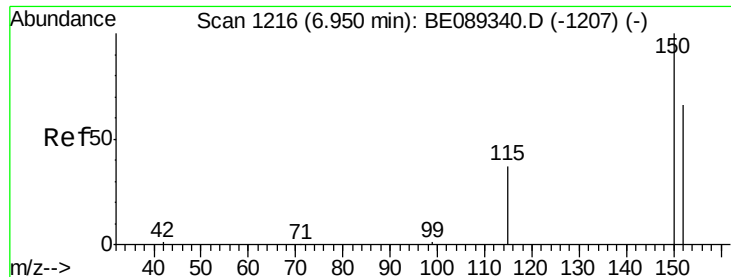
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 08 15:51:49 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 15:21:44 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Instrument :

BNA_E

ClientSampled :

PB81206BL

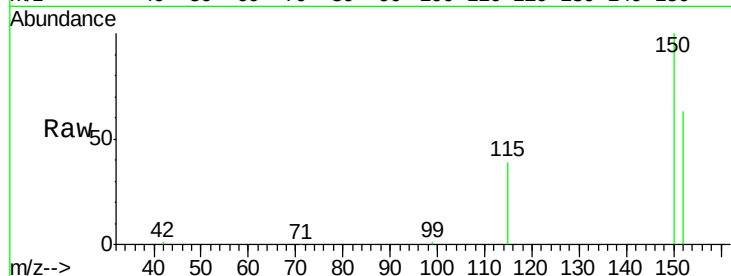
Tgt Ion:152 Resp: 12015

Ion Ratio Lower Upper

152 100

150 159.9 121.5 182.3

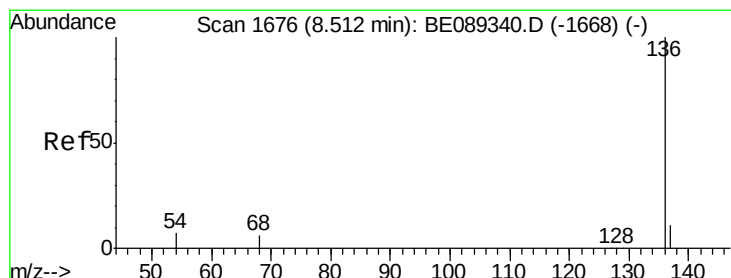
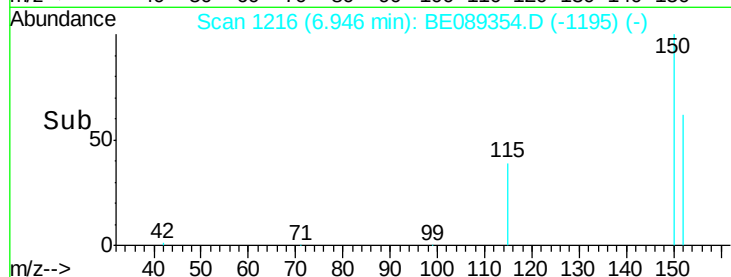
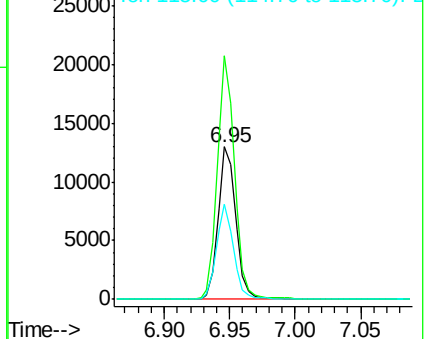
115 62.1 45.2 67.8



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

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Tgt Ion:136 Resp: 50184

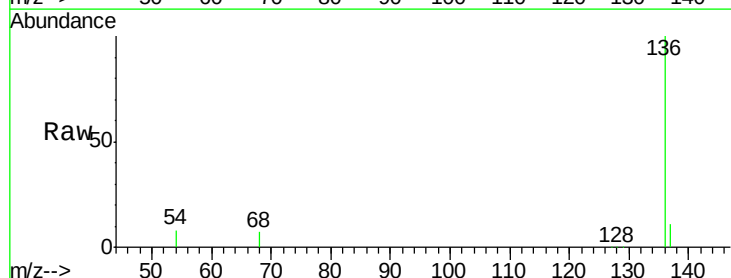
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.4 5.4 8.0#

68 7.3 4.7 7.1#

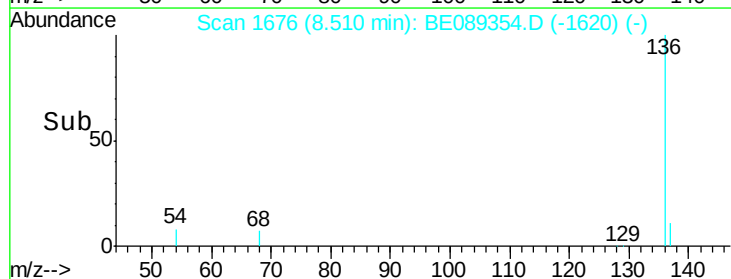
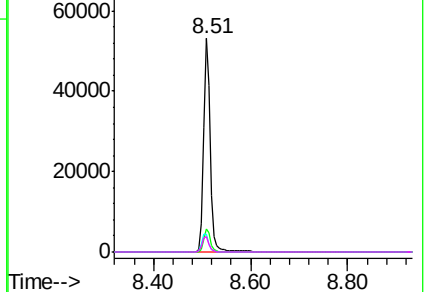


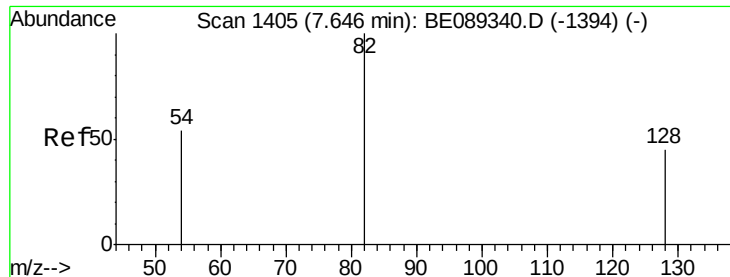
Abundance Ion 136.00 (135.70 to 136.70): E

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





#3

Nitrobenzene-d5

Concen: 6.83 ng

RT: 7.64 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Instrument :

BNA_E

ClientSampleId :

PB81206BL

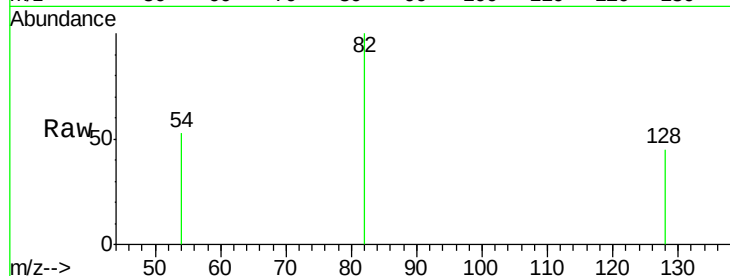
Tgt Ion: 82 Resp: 23844

Ion Ratio Lower Upper

82 100

128 45.5 36.5 54.7

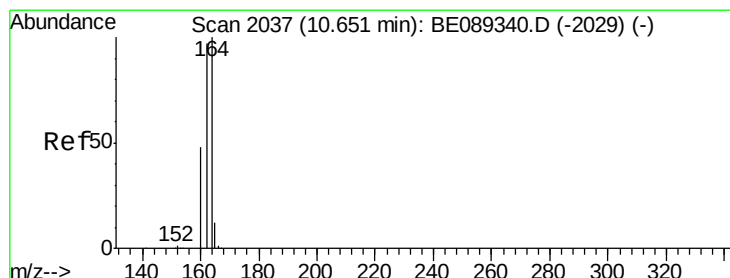
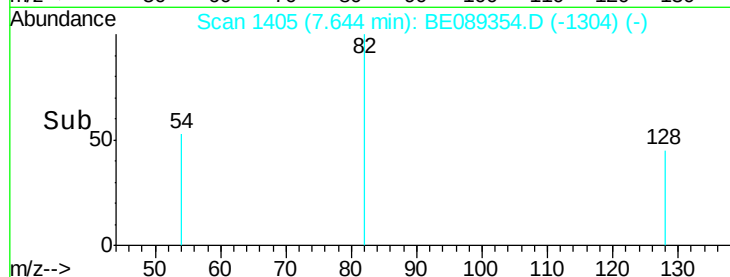
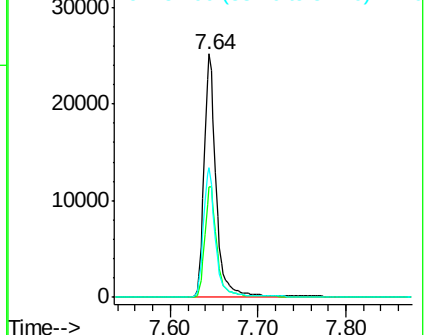
54 53.5 43.5 65.3



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.65 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

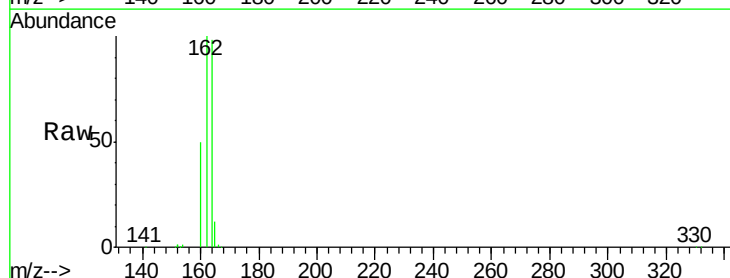
Tgt Ion: 164 Resp: 27342

Ion Ratio Lower Upper

164 100

162 101.7 77.4 116.2

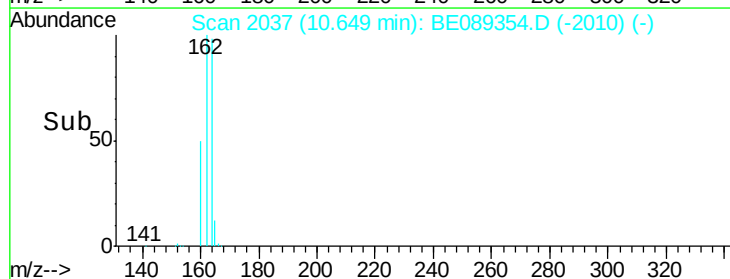
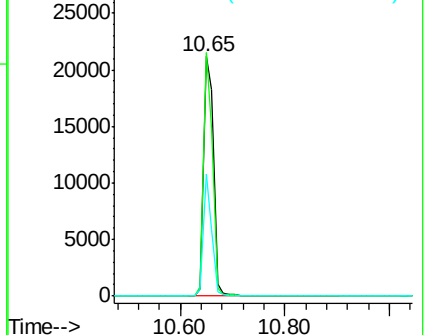
160 51.0 38.2 57.4

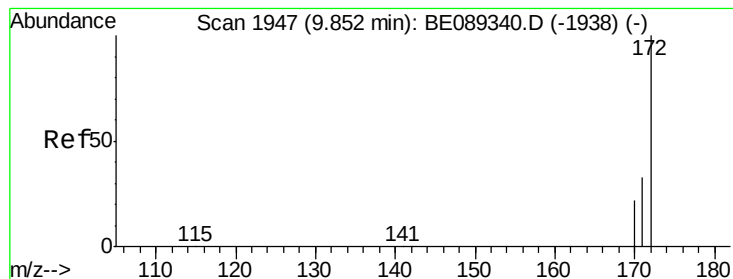


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 6.23 ng

RT: 9.85 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Instrument :

BNA_E

ClientSampleId :

PB81206BL

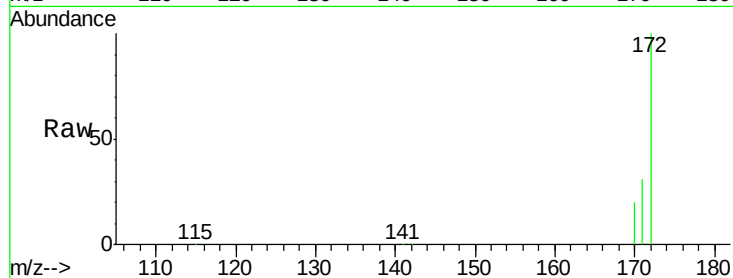
Tgt Ion:172 Resp: 46474

Ion Ratio Lower Upper

172 100

171 31.3 26.4 39.6

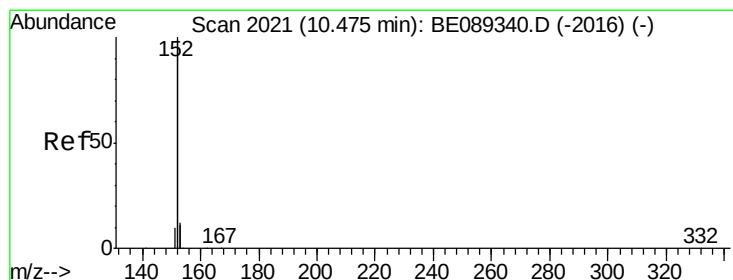
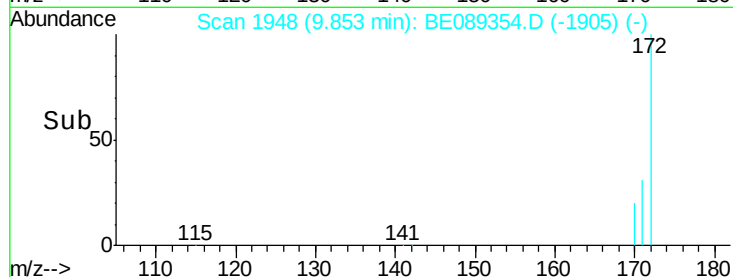
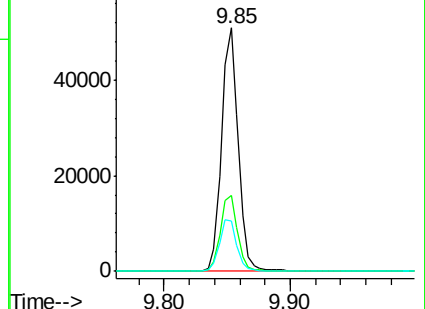
170 20.4 18.0 27.0



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



#8

Acenaphthylene

Concen: 0.02 ng

RT: 10.48 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

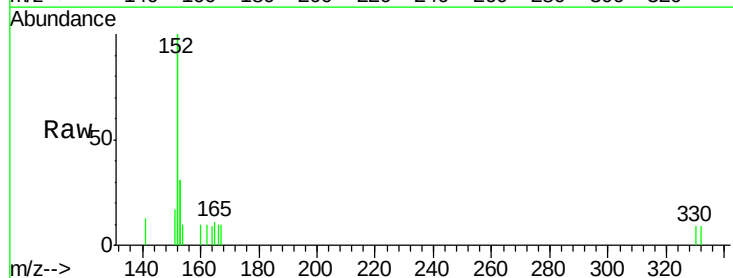
Tgt Ion:152 Resp: 980

Ion Ratio Lower Upper

152 100

151 8.6 4.1 6.1#

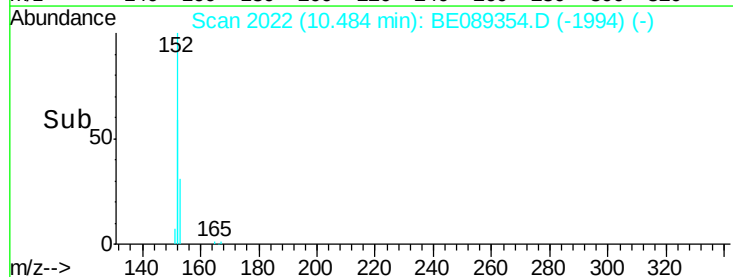
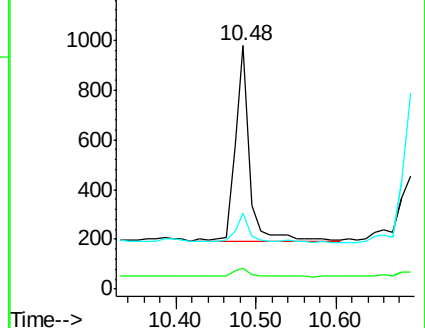
153 31.1 9.8 14.6#

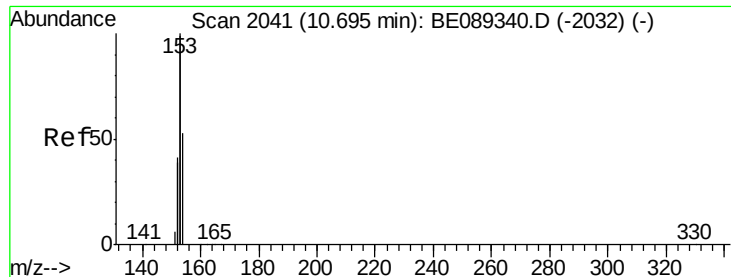


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.02 ng

RT: 10.69 min Scan# 2041

Delta R.T. -0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Instrument :

BNA_E

ClientSampleId :

PB81206BL

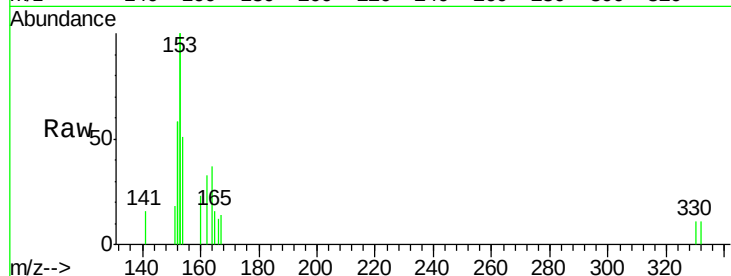
Tgt Ion:154 Resp: 152

Ion Ratio Lower Upper

154 100

153 396.0 300.6 450.8

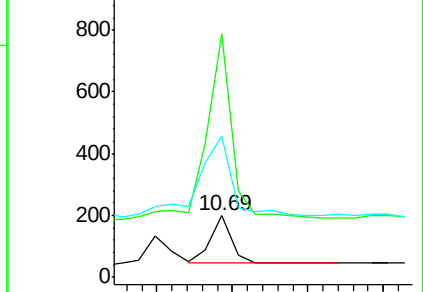
152 229.1 123.3 184.9#



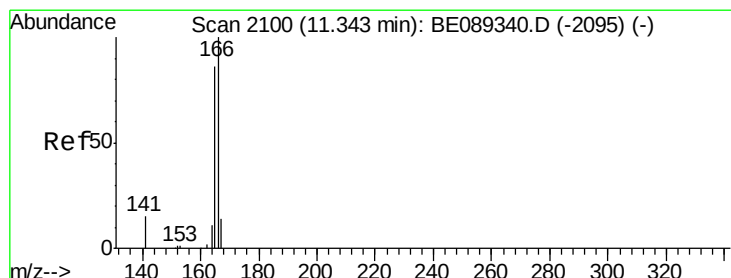
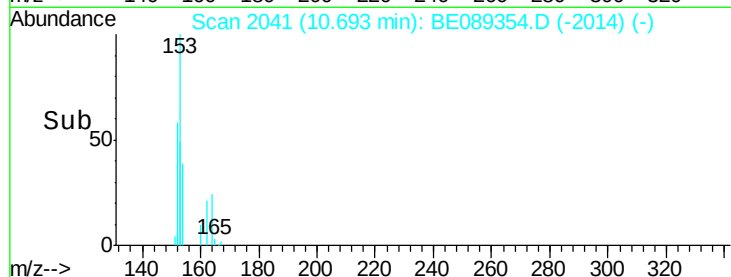
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#10

Fluorene

Concen: 0.02 ng

RT: 11.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

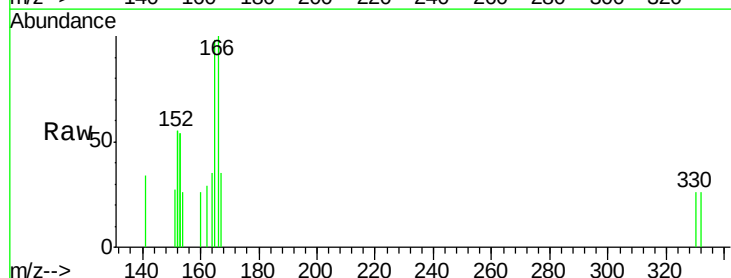
Tgt Ion:166 Resp: 175

Ion Ratio Lower Upper

166 100

165 89.7 72.1 108.1

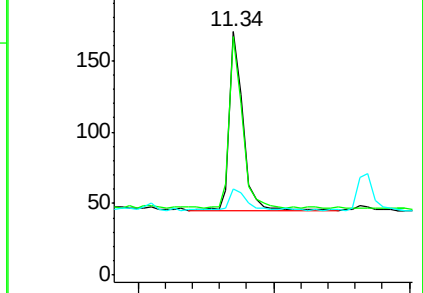
167 16.0 11.0 16.4



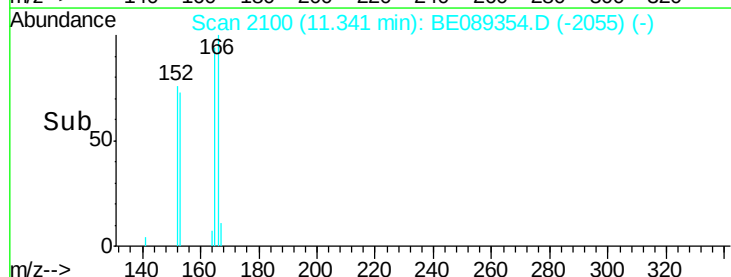
Abundance Ion 166.00 (165.70 to 166.70): E

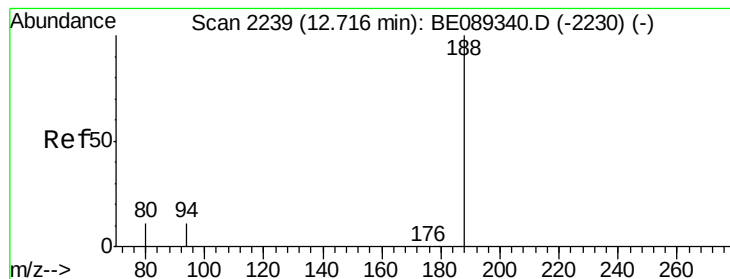
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

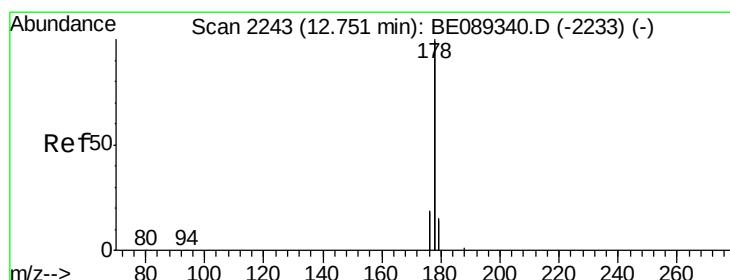
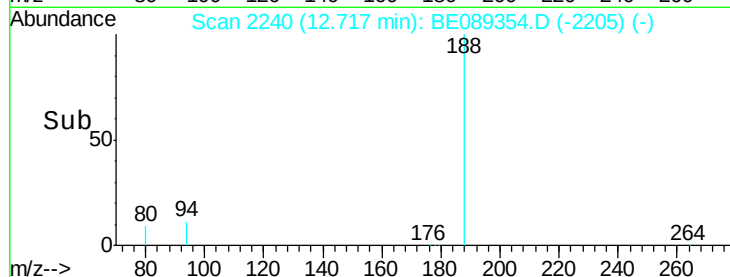
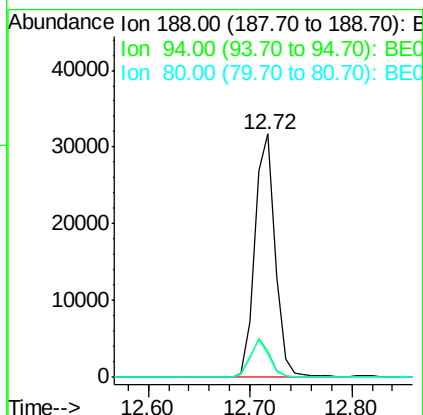
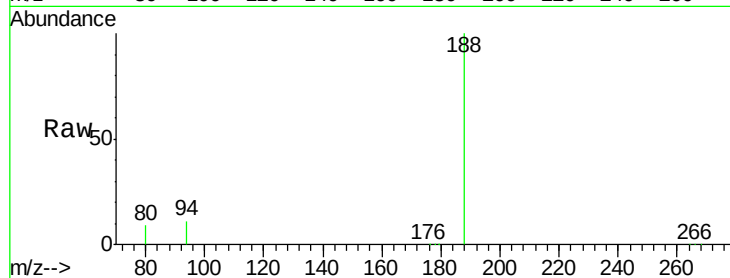




#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.72 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BE089354.D
 Acq: 8 Jan 2015 8:34

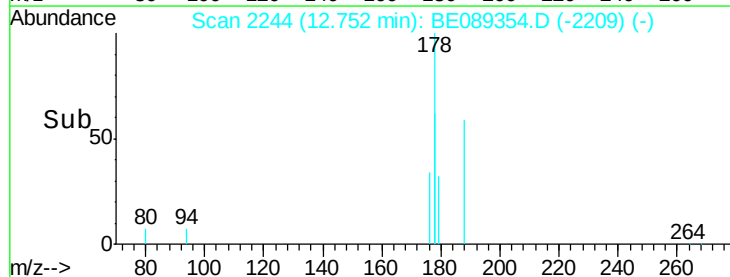
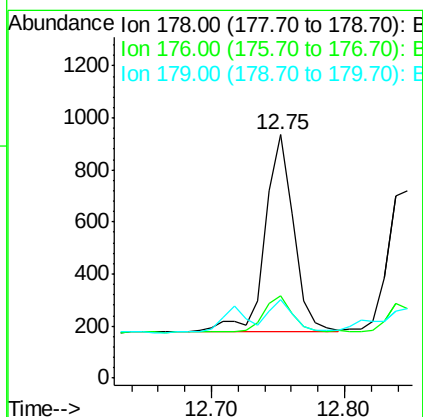
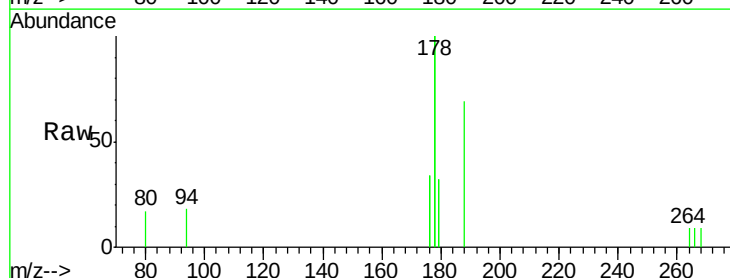
Instrument :
 BNA_E
 ClientSampleId :
 PB81206BL

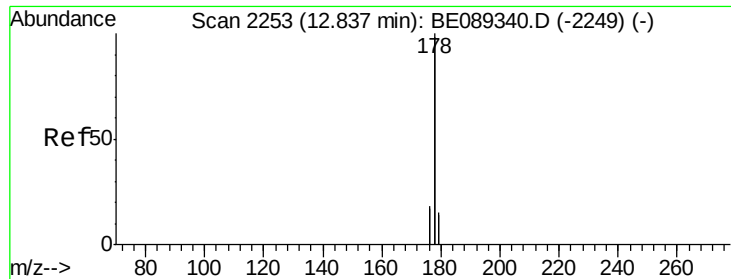
Tgt Ion:188 Resp: 42804
 Ion Ratio Lower Upper
 188 100
 94 10.7 11.0 12.2#
 80 9.5 10.1 11.1#



#12
 Phenanthrene
 Concen: 0.03 ng
 RT: 12.75 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: BE089354.D
 Acq: 8 Jan 2015 8:34

Tgt Ion:178 Resp: 1128
 Ion Ratio Lower Upper
 178 100
 176 34.0 15.1 22.7#
 179 32.5 12.2 18.2#





#13

Anthracene

Concen: 0.02 ng

RT: 12.85 min Scan# 2255

Delta R.T. 0.01 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Instrument :

BNA_E

ClientSampleId :

PB81206BL

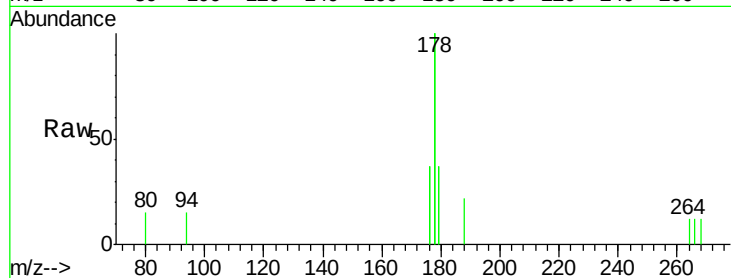
Tgt Ion:178 Resp: 923

Ion Ratio Lower Upper

178 100

176 37.1 14.7 22.1#

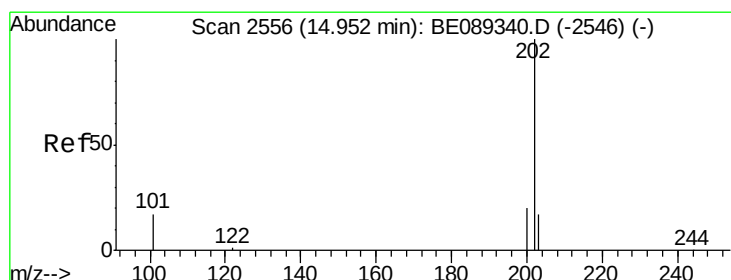
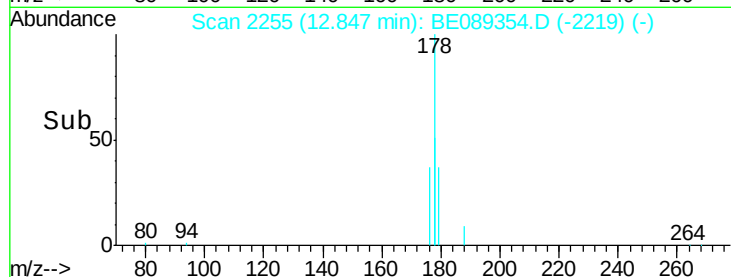
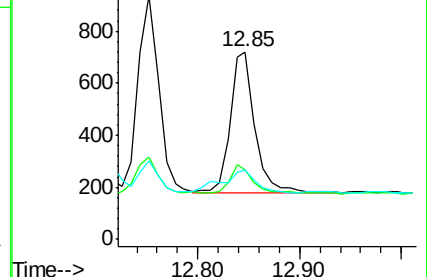
179 36.8 12.0 18.0#



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



#14

Fluoranthene

Concen: 0.02 ng

RT: 14.96 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

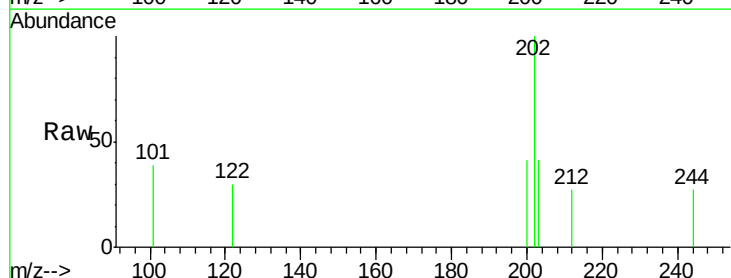
Tgt Ion:202 Resp: 202

Ion Ratio Lower Upper

202 100

101 39.4 0.0 37.9#

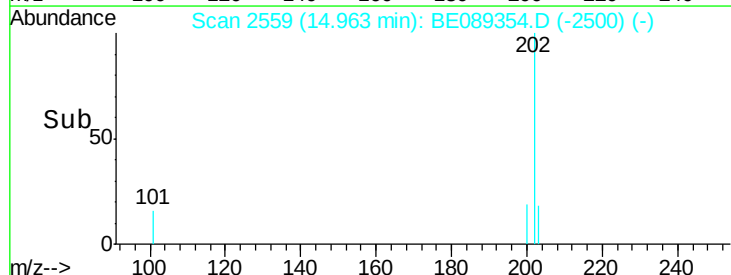
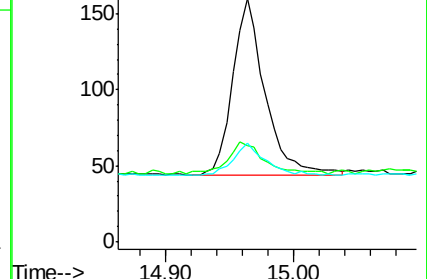
203 40.6 0.0 37.5#

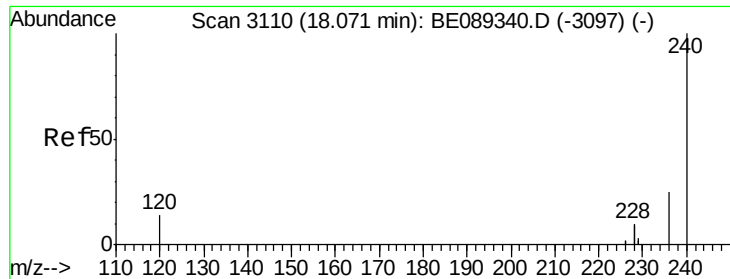


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#15

Chrysene-d12

Concen: 5.00 ng

RT: 18.06 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Instrument :

BNA_E

ClientSampleId :

PB81206BL

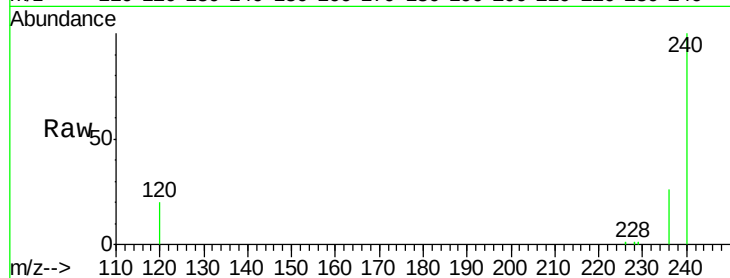
Tgt Ion:240 Resp: 29075

Ion Ratio Lower Upper

240 100

120 20.4 11.8 17.6#

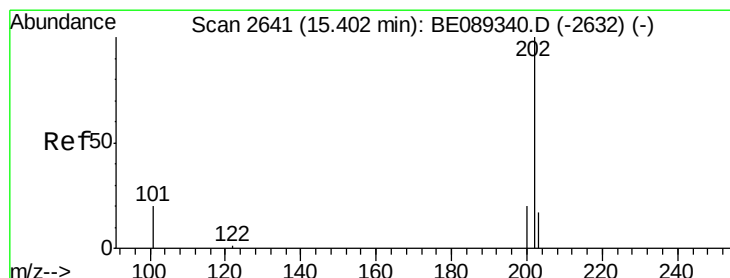
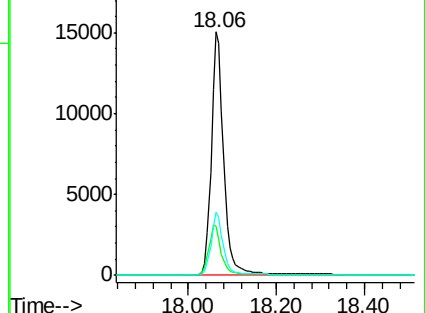
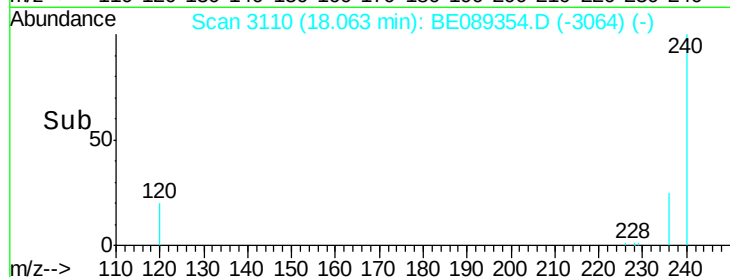
236 25.7 20.0 30.0



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



#16

Pyrene

Concen: 0.02 ng

RT: 15.41 min Scan# 2643

Delta R.T. 0.01 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

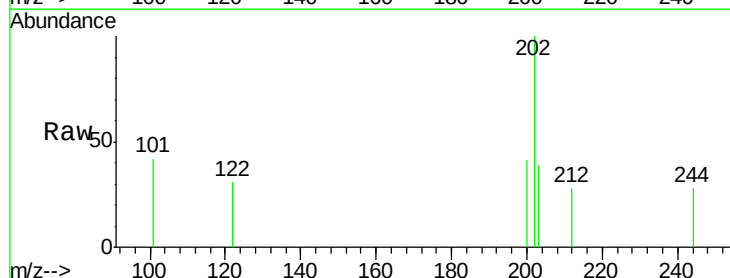
Tgt Ion:202 Resp: 203

Ion Ratio Lower Upper

202 100

200 41.0 16.8 25.2#

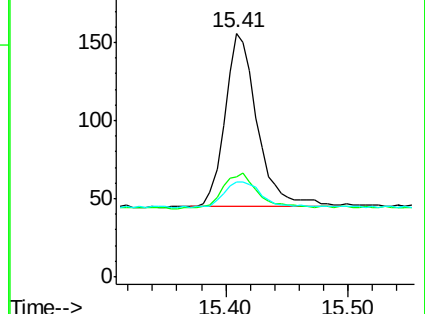
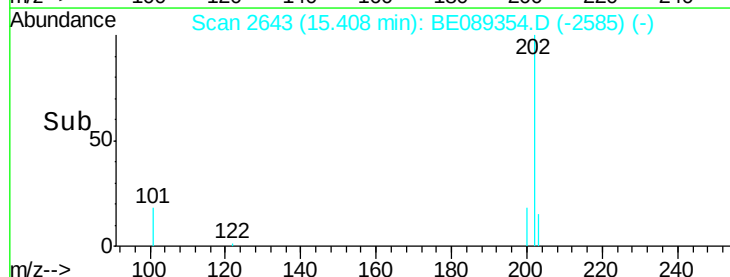
203 39.1 14.0 21.0#

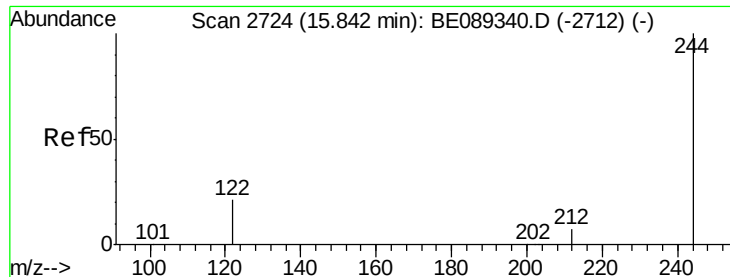


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

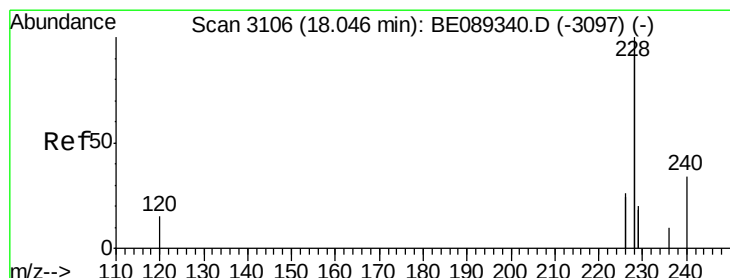
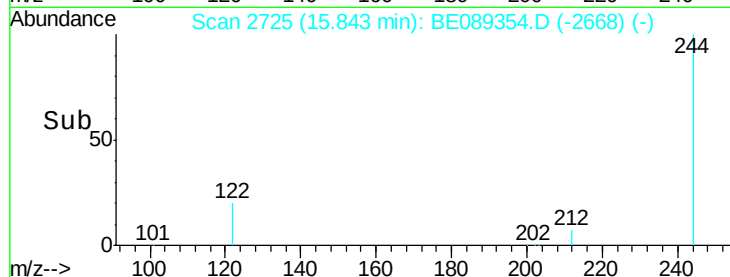
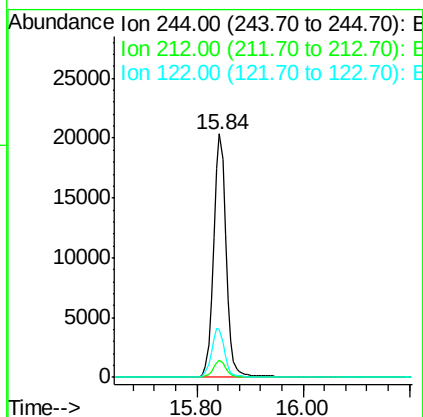
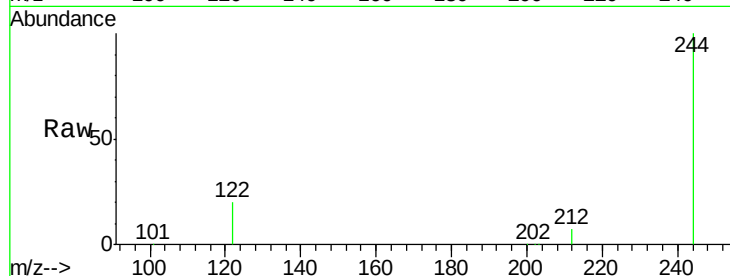




#17
 Terphenyl-d14
 Concen: 6.37 ng
 RT: 15.84 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: BE089354.D
 Acq: 8 Jan 2015 8:34

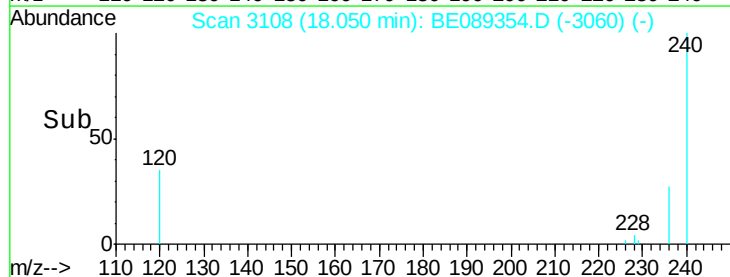
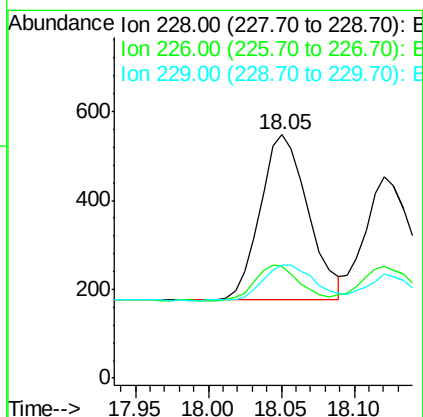
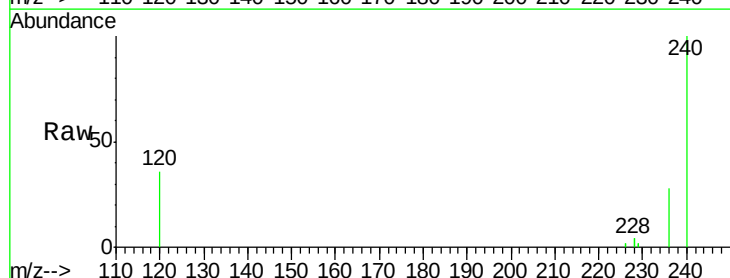
Instrument :
 BNA_E
 ClientSampled :
 PB81206BL

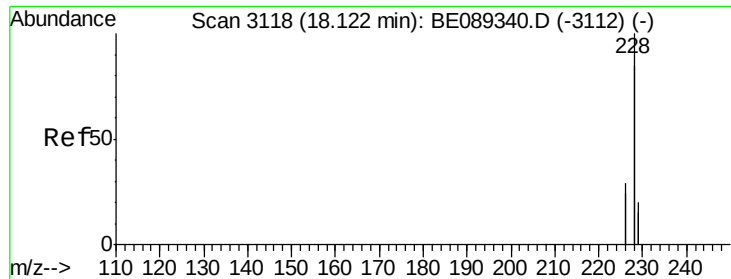
Tgt Ion: 244 Resp: 32797
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.3 9.5
 122 19.9 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 18.05 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: BE089354.D
 Acq: 8 Jan 2015 8:34

Tgt Ion: 228 Resp: 847
 Ion Ratio Lower Upper
 228 100
 226 46.0 21.0 31.6#
 229 46.4 16.0 24.0#





#19

Chrysene

Concen: 0.02 ng

RT: 18.12 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

Instrument :

BNA_E

ClientSampleId :

PB81206BL

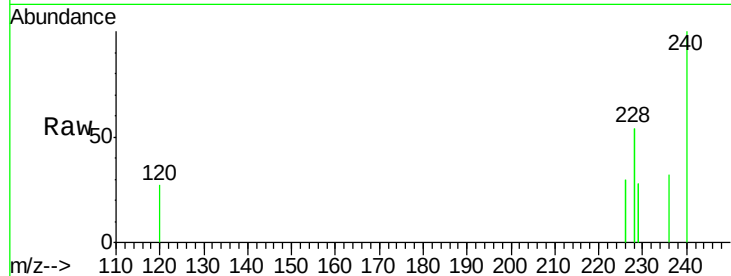
Tgt Ion:228 Resp: 657

Ion Ratio Lower Upper

228 100

226 55.5 23.5 35.3#

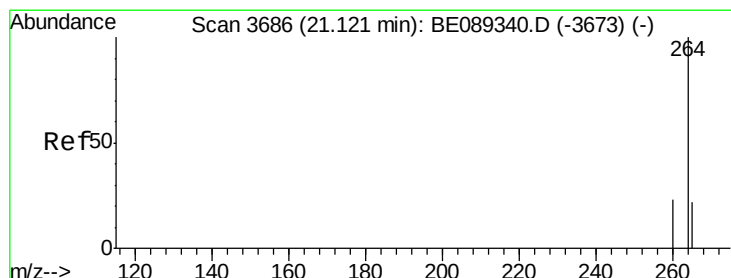
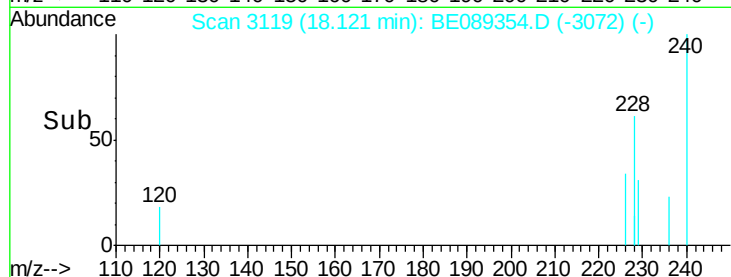
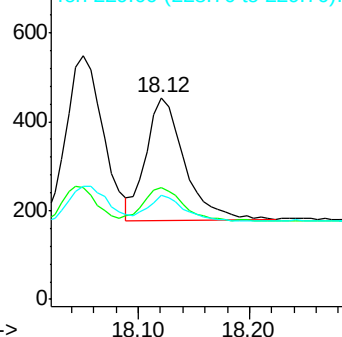
229 51.5 16.1 24.1#



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



#21

Perylene-d12

Concen: 5.00 ng

RT: 21.11 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BE089354.D

Acq: 8 Jan 2015 8:34

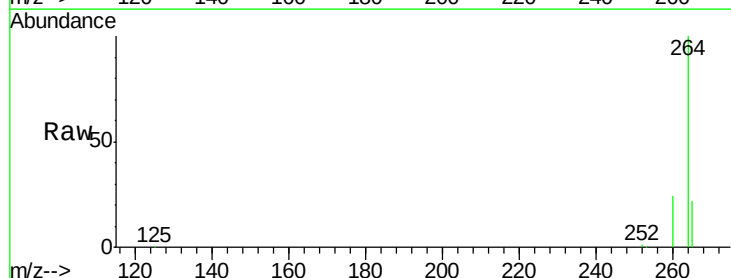
Tgt Ion:264 Resp: 30518

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.6 17.4 26.2



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

