

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020415\
 Data File : BE089493.D
 Acq On : 4 Feb 2015 12:37
 Operator : TP/IZ
 Sample : PB81495BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81495BL

Quant Time: Feb 04 17:30:06 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:53:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	89362	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	354807	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	169584	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	282013	5.00	ng	0.00
20) Chrysene-d12	23.79	240	263333	5.00	ng	0.00
27) Perylene-d12	25.49	264	260087	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.75	112	223179	7.72	ng	0.03
4) Phenol-d6	8.87	99	283396	7.81	ng	0.04
8) Nitrobenzene-d5	10.80	82	168305	6.27	ng	0.00
14) 2,4,6-Tribromophenol	18.53	330	41346	5.70	ng	0.02
15) 2-Fluorobiphenyl	15.07	172	243275	5.44	ng	0.00
22) Terphenyl-d14	22.43	244	250162	6.70	ng	0.00

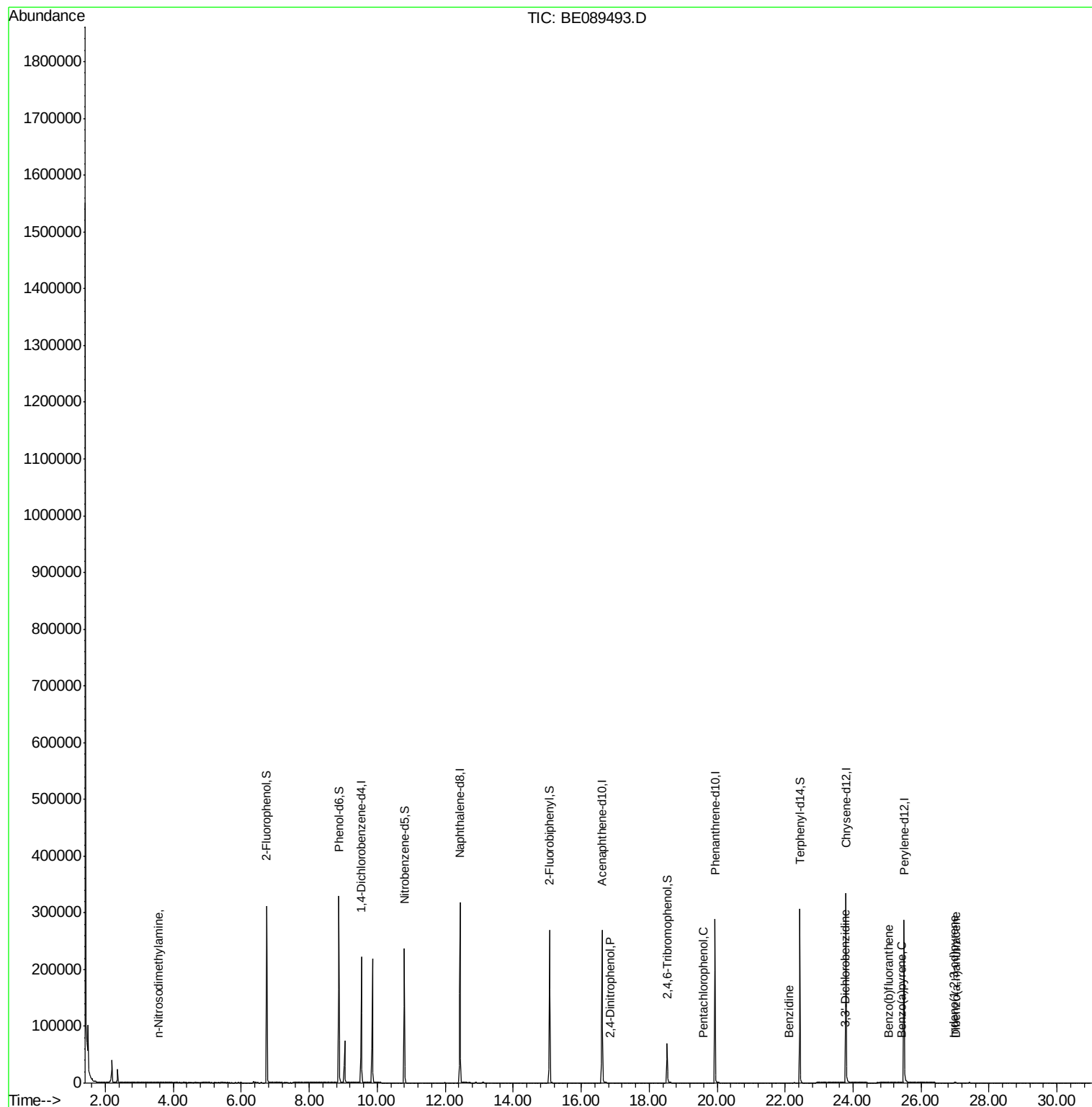
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.56	42	22	0.09	ng	# 1
16) 2,4-Dinitrophenol	16.85	184	7	0.40	ng	# 57
19) Pentachlorophenol	19.60	266	4	0.35	ng	# 47
21) Benzidine	22.10	184	302	0.11	ng	# 42
24) 3,3'-Dichlorobenzidine	23.77	252	109	0.12	ng	# 53
26) Indeno(1,2,3-cd)pyrene	26.98	276	402	0.14	ng	# 56
28) Benzo(b)fluoranthene	25.05	252	322	0.19	ng	# 8
30) Benzo(a)pyrene	25.43	252	338	0.18	ng	# 1
31) Dibenzo(a,h)anthracene	27.02	278	366	0.15	ng	# 1

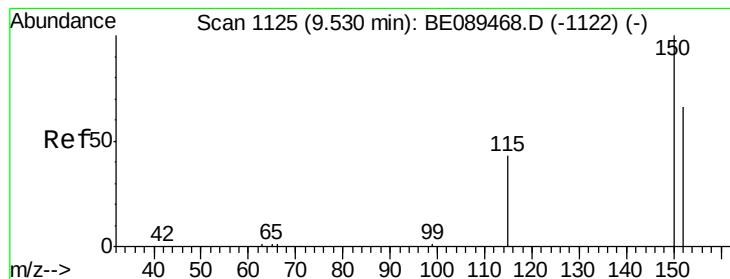
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 04 17:30:06 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:53:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. 0.00 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

Instrument :

BNA_E

ClientSampleId :

PB81495BL

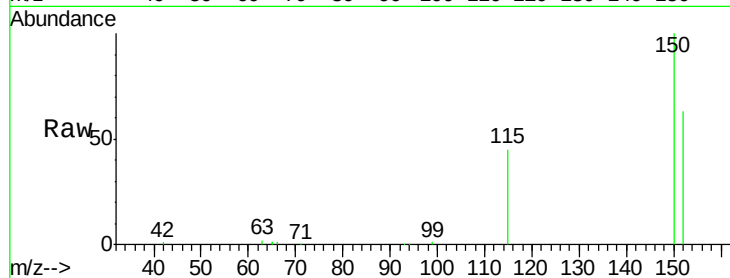
Tgt Ion:152 Resp: 89362

Ion Ratio Lower Upper

152 100

150 157.9 122.1 183.1

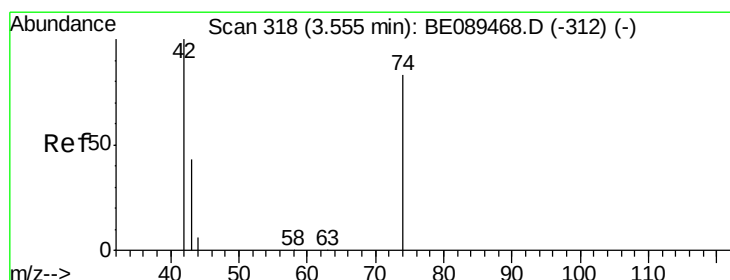
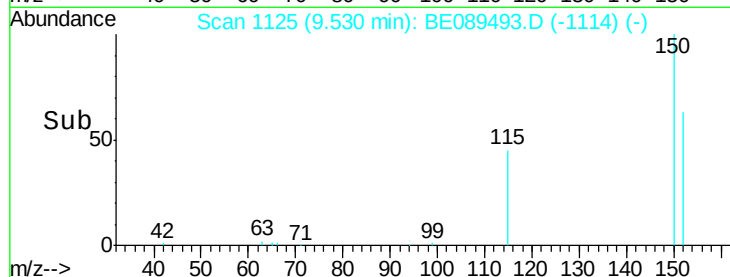
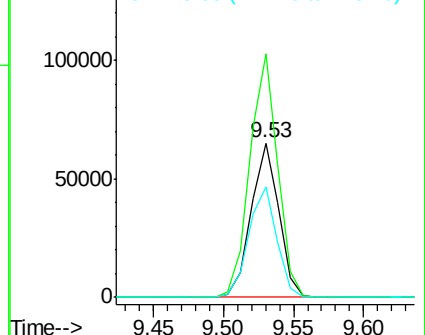
115 71.9 53.2 79.8



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

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.56 min Scan# 318

Delta R.T. 0.00 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

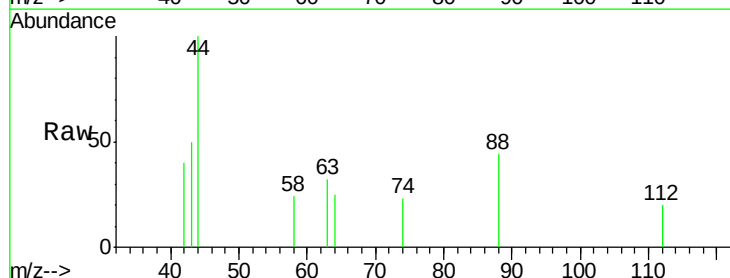
Tgt Ion: 42 Resp: 22

Ion Ratio Lower Upper

42 100

74 55.9 65.4 98.2#

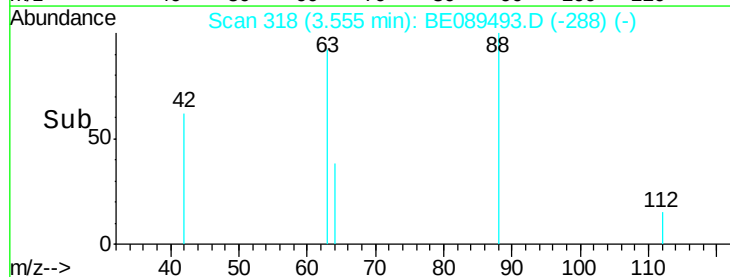
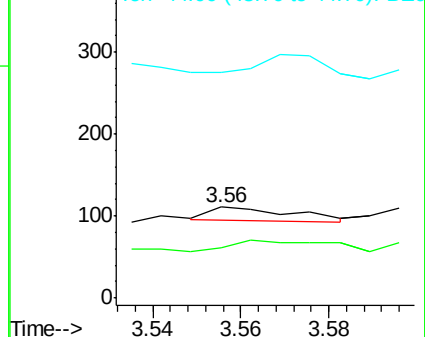
44 247.7 11.7 17.5#

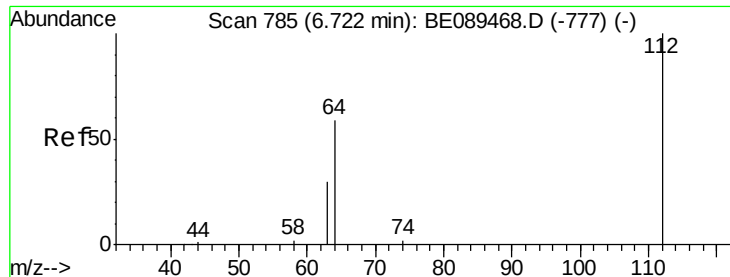


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

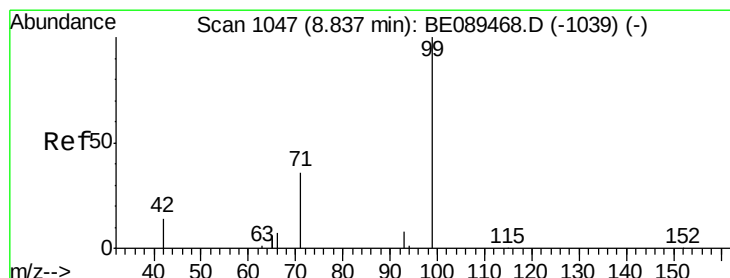
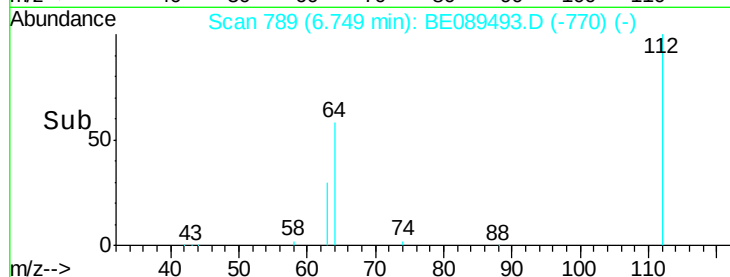
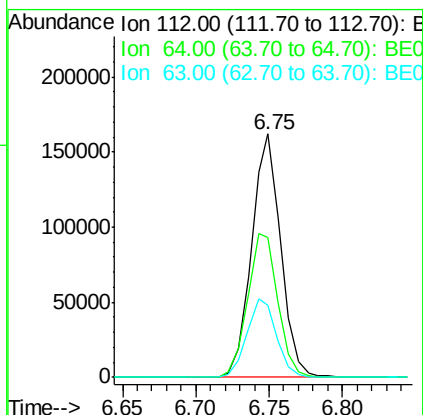
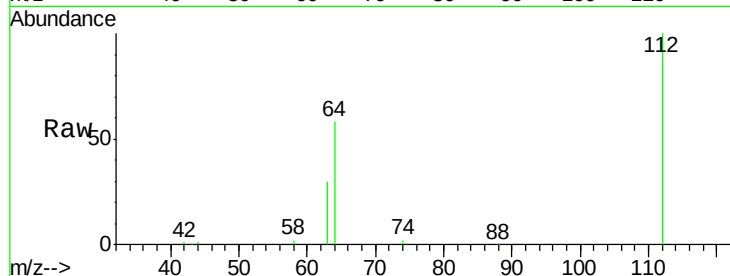




#3
 2-Fluorophenol
 Concen: 7.72 ng
 RT: 6.75 min Scan# 789
 Delta R.T. 0.03 min
 Lab File: BE089493.D
 Acq: 4 Feb 2015 12:37

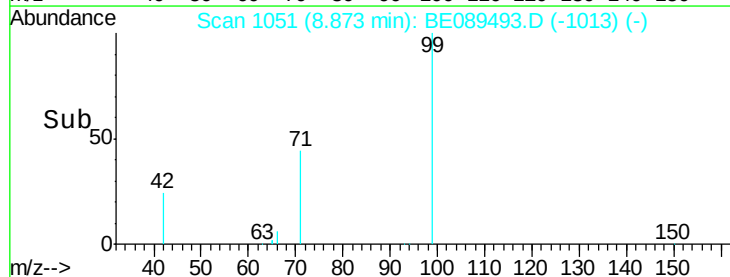
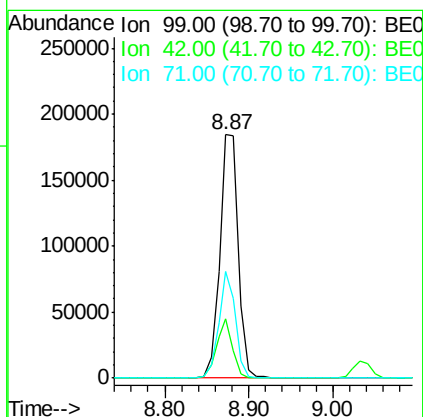
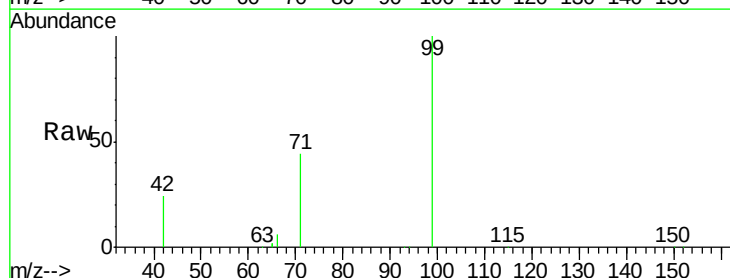
Instrument :
 BNA_E
 ClientSampleId :
 PB81495BL

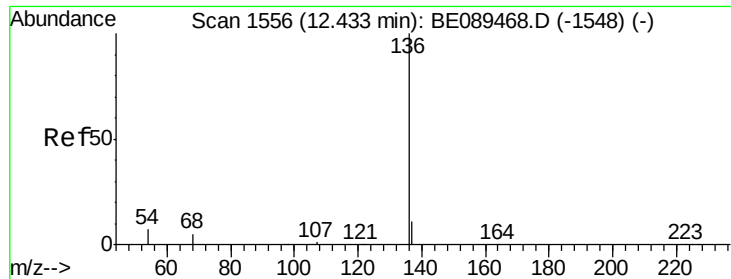
Tgt Ion: 112 Resp: 223179
 Ion Ratio Lower Upper
 112 100
 64 57.7 47.0 70.6
 63 29.6 24.2 36.2



#4
 Phenol-d6
 Concen: 7.81 ng
 RT: 8.87 min Scan# 1051
 Delta R.T. 0.04 min
 Lab File: BE089493.D
 Acq: 4 Feb 2015 12:37

Tgt Ion: 99 Resp: 283396
 Ion Ratio Lower Upper
 99 100
 42 24.1 11.8 17.6#
 71 43.6 28.7 43.1#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

Instrument :

BNA_E

ClientSampleId :

PB81495BL

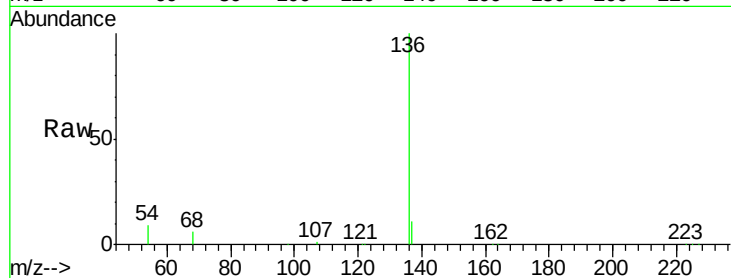
Tgt Ion: 136 Resp: 354807

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

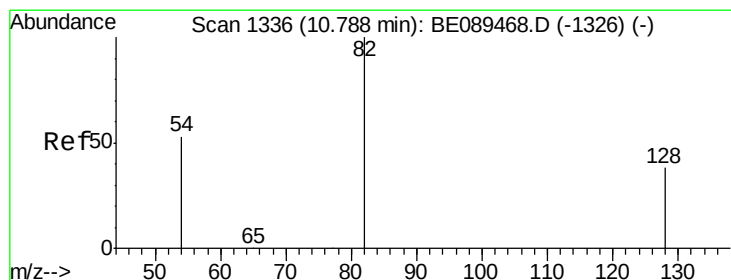
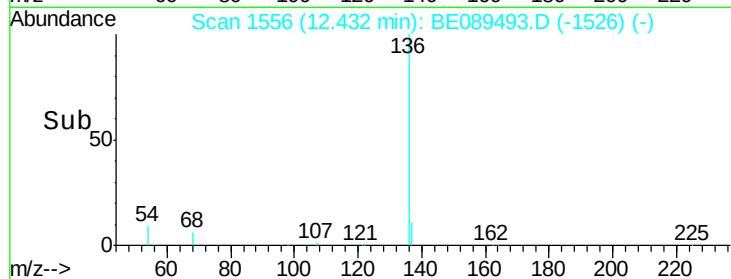
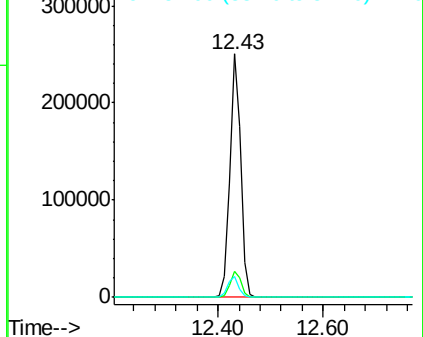
54 8.7 5.4 8.0#



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



#8

Nitrobenzene-d5

Concen: 6.27 ng

RT: 10.80 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

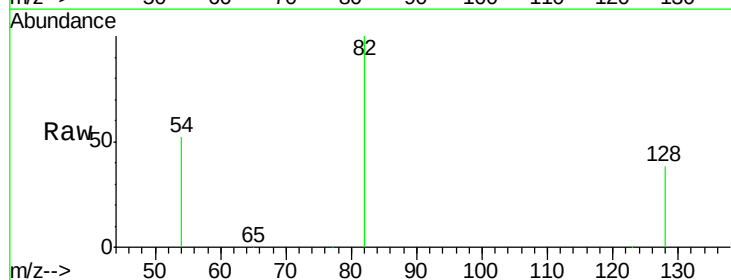
Tgt Ion: 82 Resp: 168305

Ion Ratio Lower Upper

82 100

128 38.5 30.3 45.5

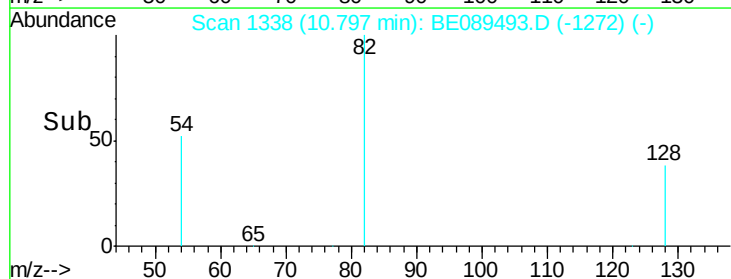
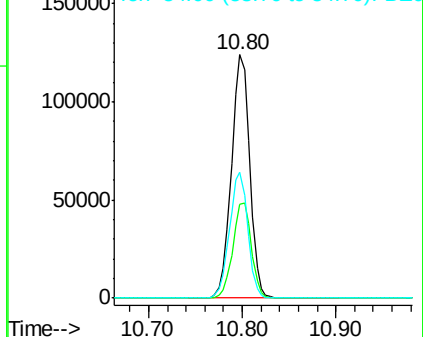
54 51.8 43.1 64.7

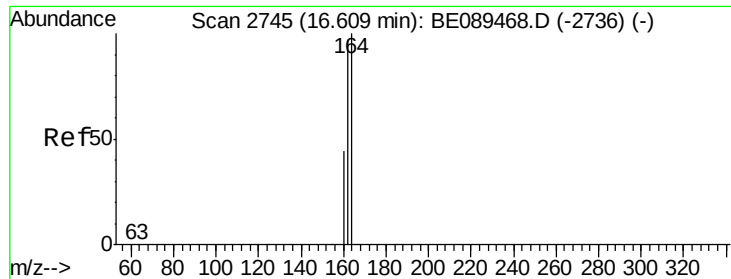


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

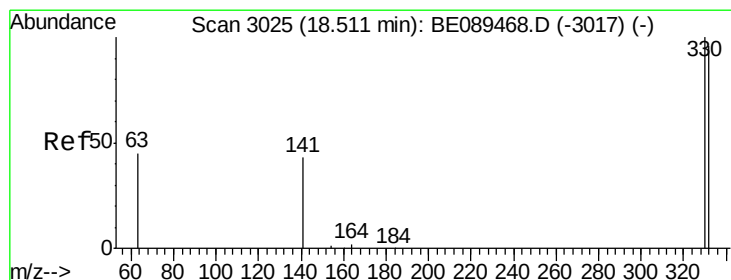
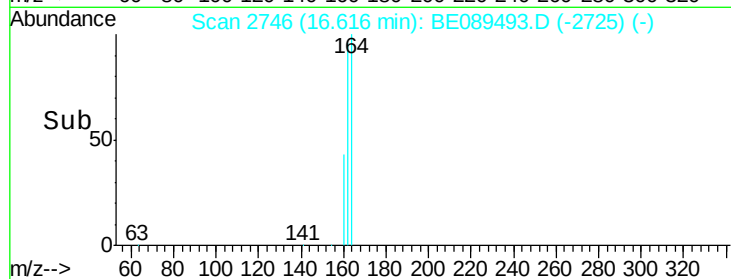
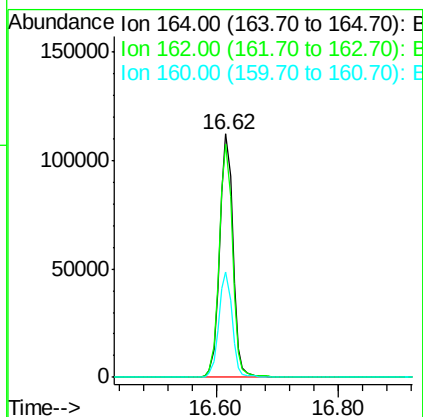
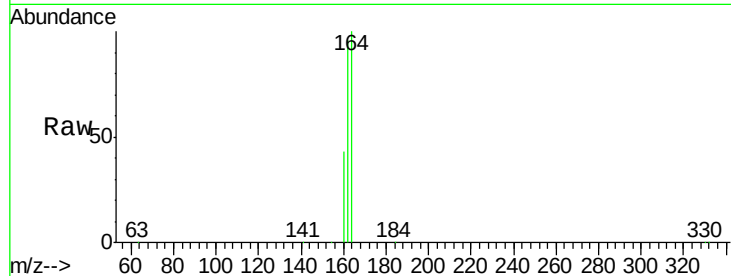




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.62 min Scan# 2746
Delta R.T. 0.01 min
Lab File: BE089493.D
Acq: 4 Feb 2015 12:37

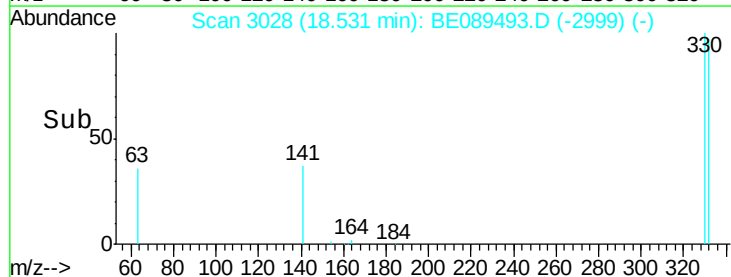
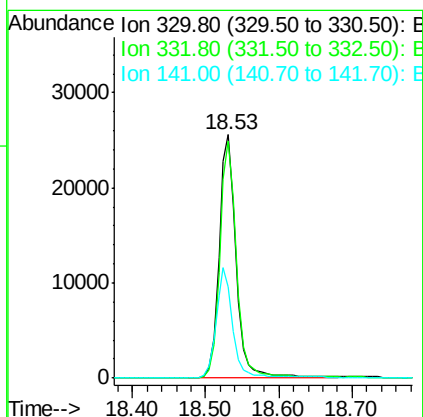
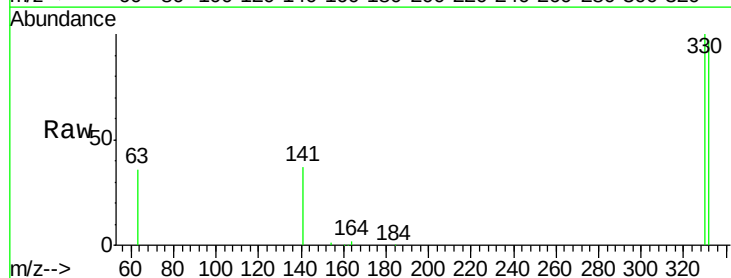
Instrument :
BNA_E
ClientSampled :
PB81495BL

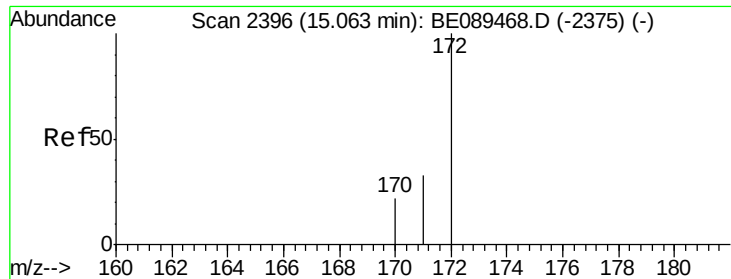
Tgt Ion:164 Resp: 169584
Ion Ratio Lower Upper
164 100
162 96.0 77.6 116.4
160 43.4 35.6 53.4



#14
2,4,6-Tribromophenol
Concen: 5.70 ng
RT: 18.53 min Scan# 3028
Delta R.T. 0.02 min
Lab File: BE089493.D
Acq: 4 Feb 2015 12:37

Tgt Ion:330 Resp: 41346
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 44.6 33.8 50.6

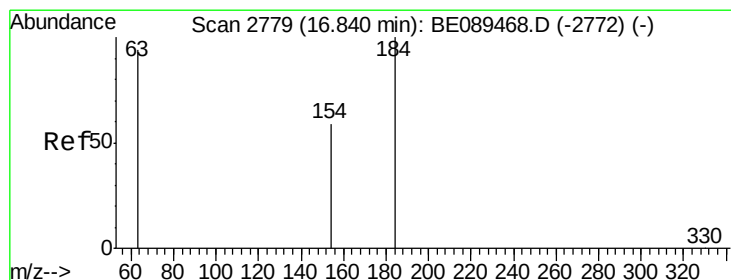
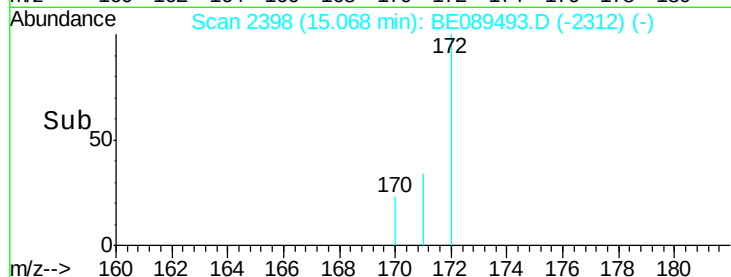
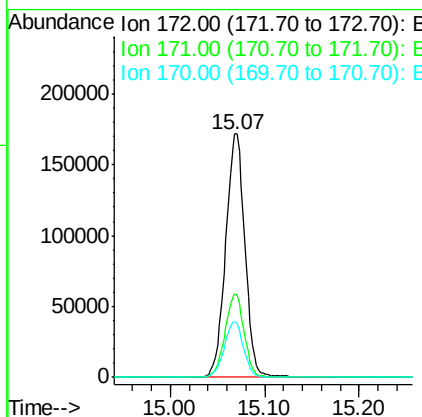
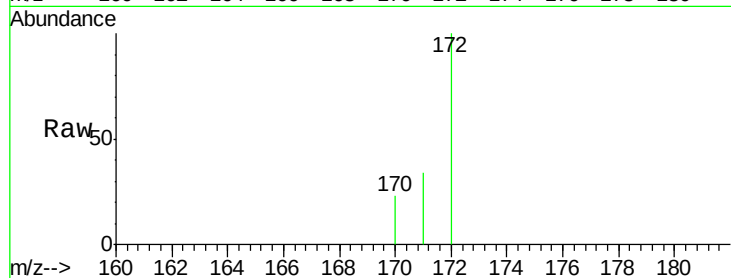




#15
2-Fluorobiphenyl
Concen: 5.44 ng
RT: 15.07 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BE089493.D
Acq: 4 Feb 2015 12:37

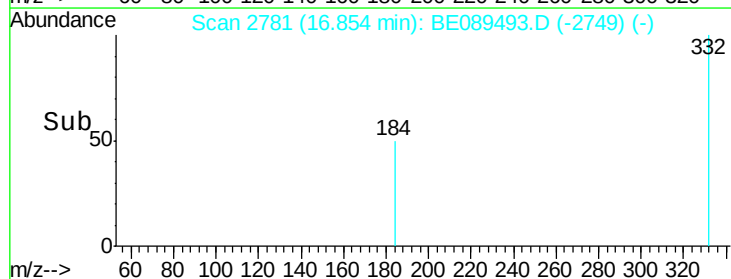
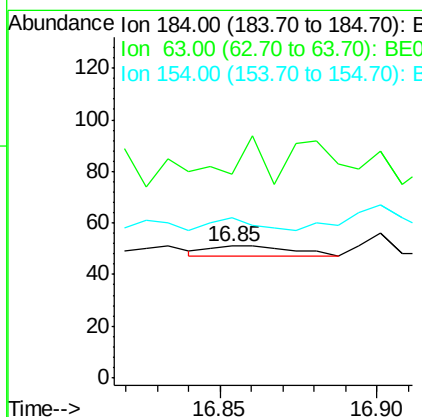
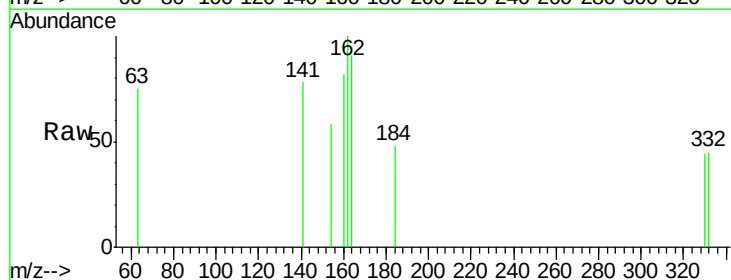
Instrument :
BNA_E
ClientSampleId :
PB81495BL

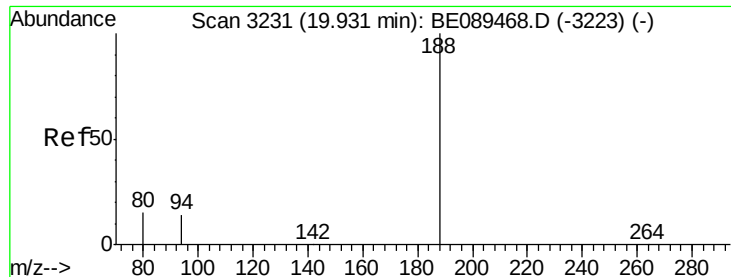
Tgt Ion:172 Resp: 243275
Ion Ratio Lower Upper
172 100
171 34.5 26.8 40.2
170 23.0 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.40 ng
RT: 16.85 min Scan# 2781
Delta R.T. 0.01 min
Lab File: BE089493.D
Acq: 4 Feb 2015 12:37

Tgt Ion:184 Resp: 7
Ion Ratio Lower Upper
184 100
63 154.9 92.1 138.1#
154 121.6 61.4 92.2#

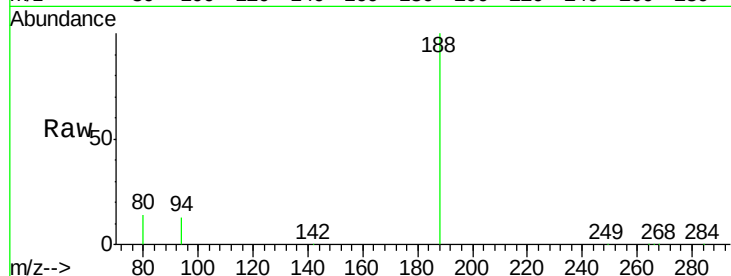




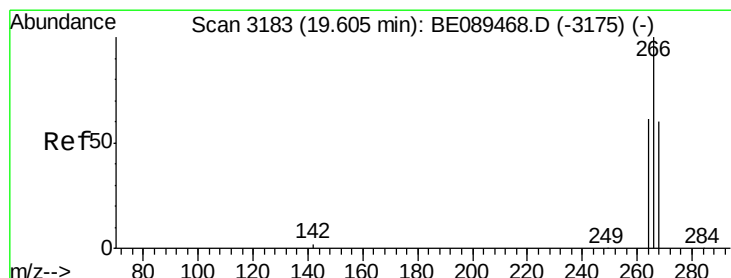
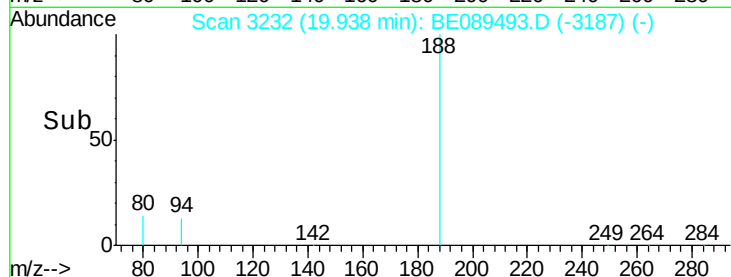
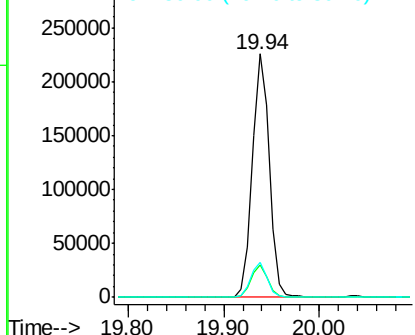
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.94 min Scan# 3232
Delta R.T. 0.01 min
Lab File: BE089493.D
Acq: 4 Feb 2015 12:37

Instrument :
BNA_E
ClientSampleId :
PB81495BL

Tgt Ion:188 Resp: 282013
Ion Ratio Lower Upper
188 100
94 13.2 11.1 16.7
80 14.3 11.8 17.6

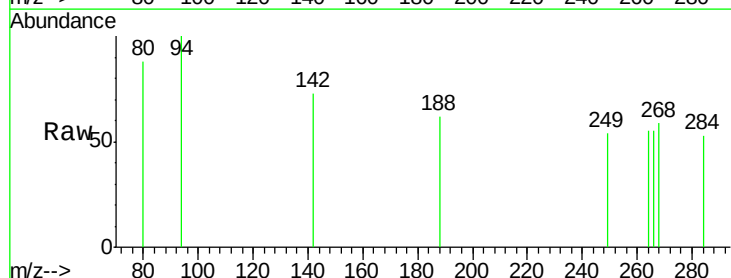


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

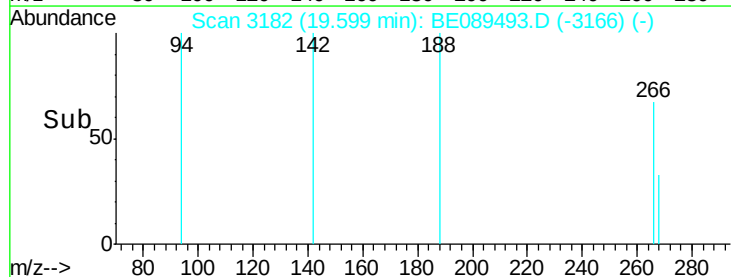
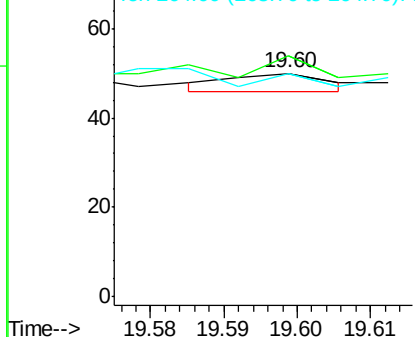


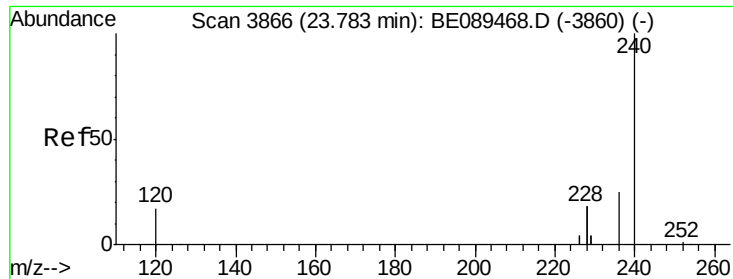
#19
Pentachlorophenol
Concen: 0.35 ng
RT: 19.60 min Scan# 3182
Delta R.T. -0.01 min
Lab File: BE089493.D
Acq: 4 Feb 2015 12:37

Tgt Ion:266 Resp: 4
Ion Ratio Lower Upper
266 100
268 108.0 50.0 75.0#
264 100.0 50.6 75.8#



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





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.79 min Scan# 3866

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

Instrument :

BNA_E

ClientSampleId :

PB81495BL

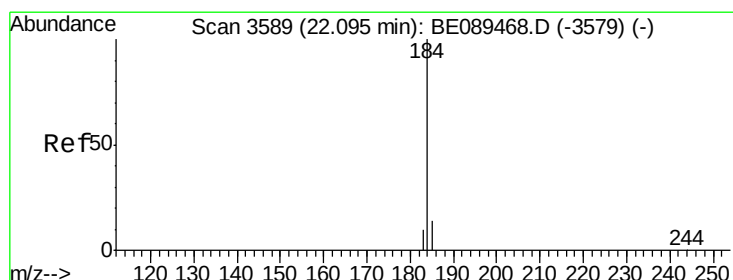
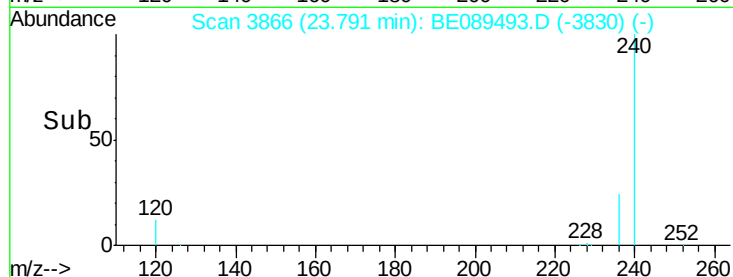
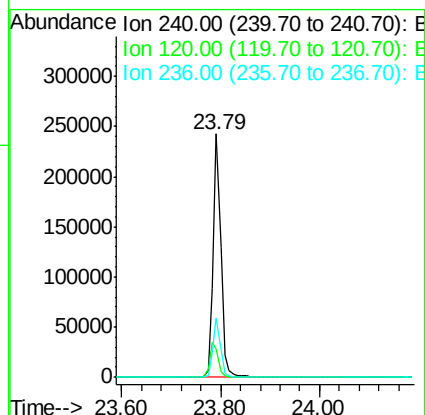
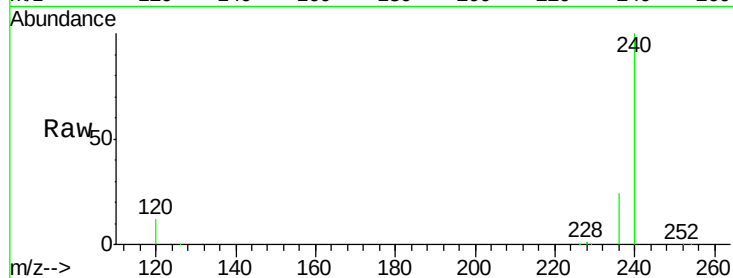
Tgt Ion:240 Resp: 263333

Ion Ratio Lower Upper

240 100

120 11.6 13.8 20.6#

236 24.2 20.2 30.2



#21

Benzidine

Concen: 0.11 ng

RT: 22.10 min Scan# 3590

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

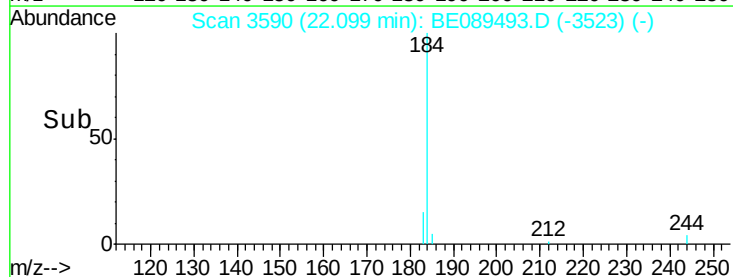
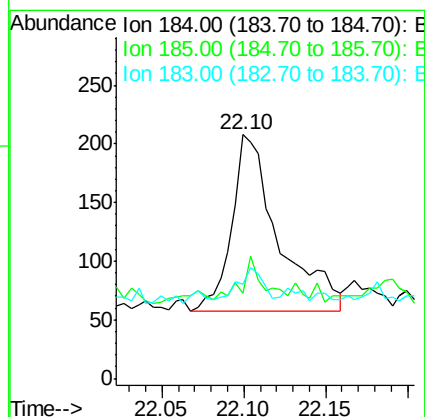
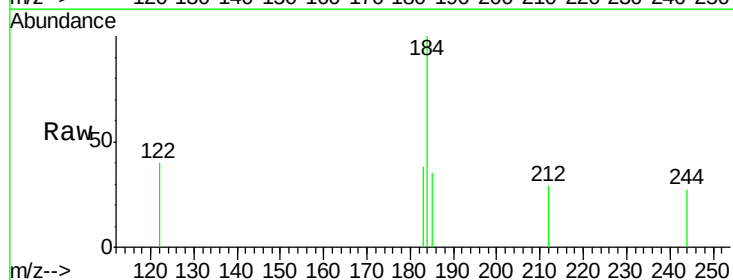
Tgt Ion:184 Resp: 302

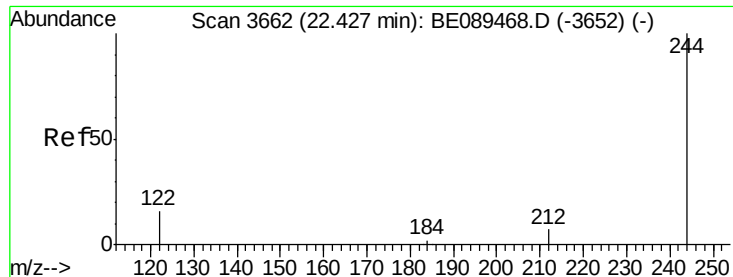
Ion Ratio Lower Upper

184 100

185 35.1 12.0 18.0#

183 38.5 9.0 13.4#





#22

Terphenyl-d14

Concen: 6.70 ng

RT: 22.43 min Scan# 3663

Delta R.T. 0.00 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

Instrument :

BNA_E

ClientSampleId :

PB81495BL

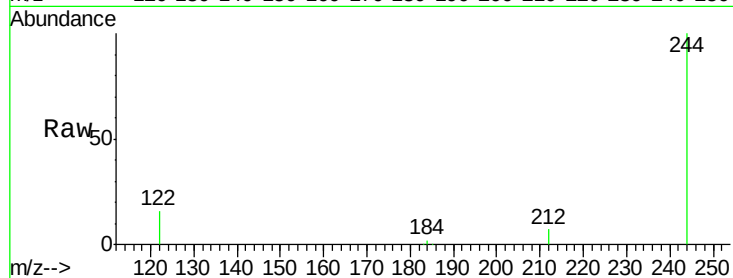
Tgt Ion:244 Resp: 250162

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

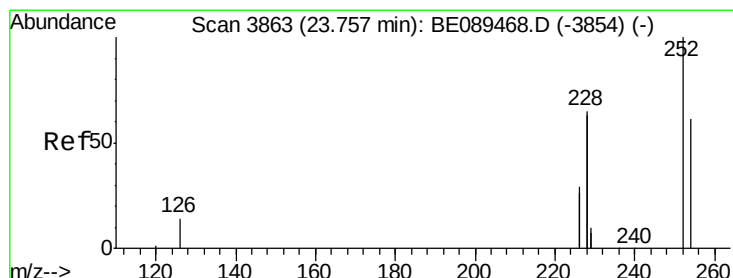
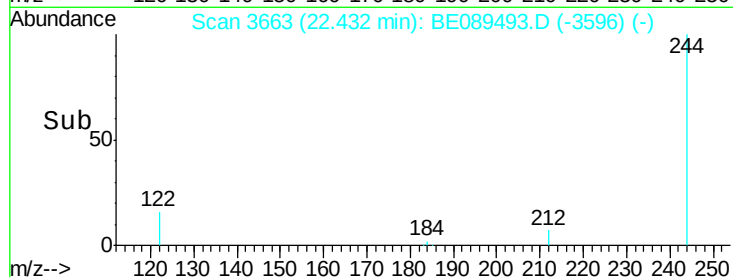
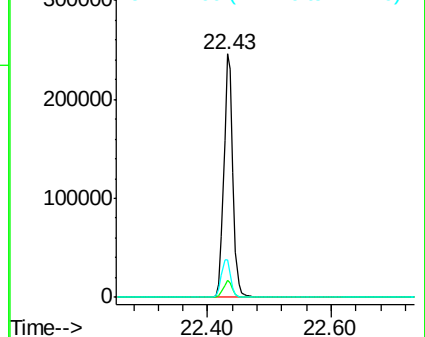
122 15.6 12.6 19.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#24

3,3'-Dichlorobenzidine

Concen: 0.12 ng

RT: 23.77 min Scan# 3863

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

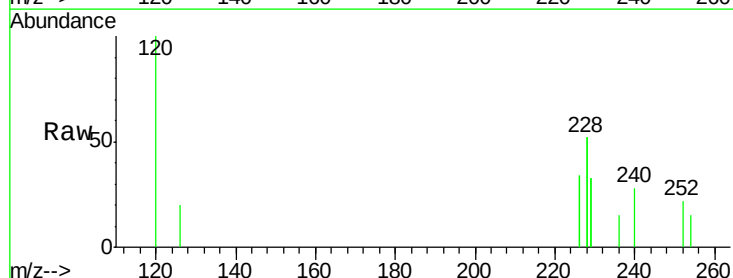
Tgt Ion:252 Resp: 109

Ion Ratio Lower Upper

252 100

254 70.4 48.6 73.0

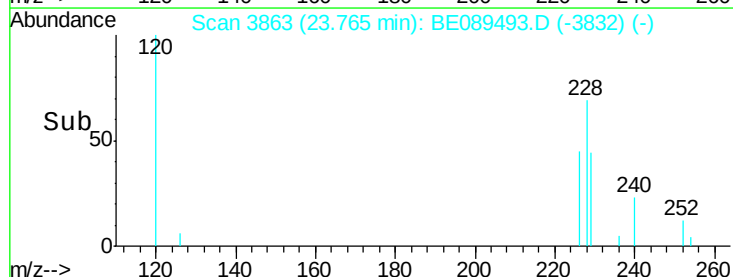
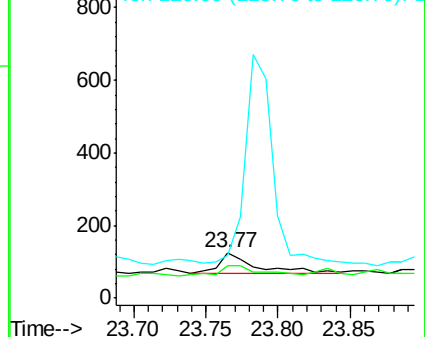
126 92.8 12.4 18.6#

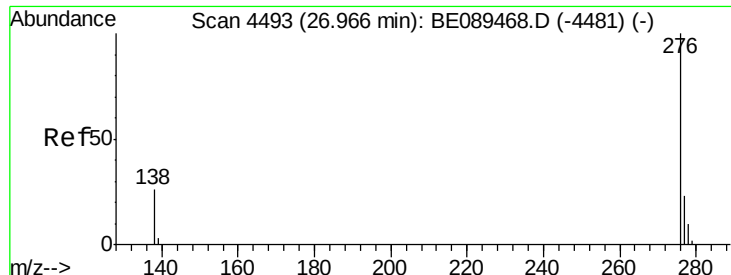


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng

RT: 26.98 min Scan# 4494

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

Instrument :

BNA_E

ClientSampleId :

PB81495BL

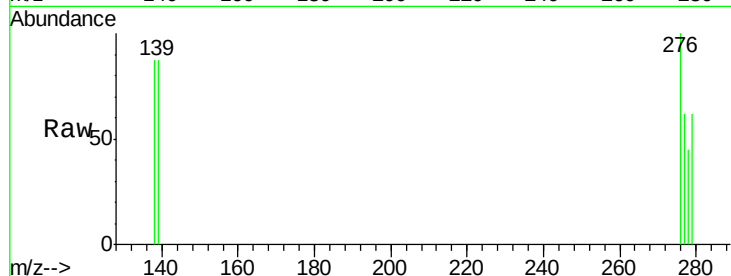
Tgt Ion: 276 Resp: 402

Ion Ratio Lower Upper

276 100

138 0.0 24.2 36.4#

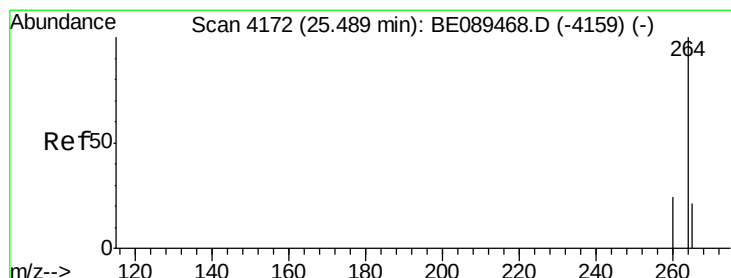
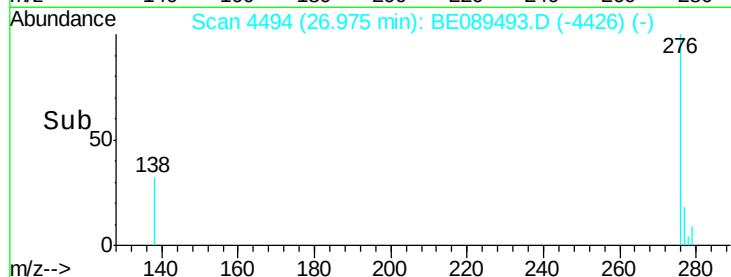
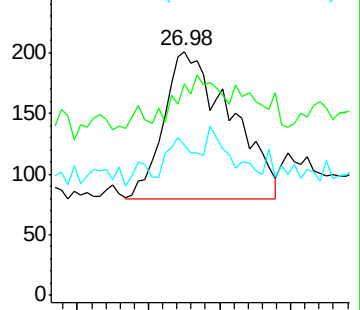
277 10.2 19.9 29.9#



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



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.49 min Scan# 4172

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

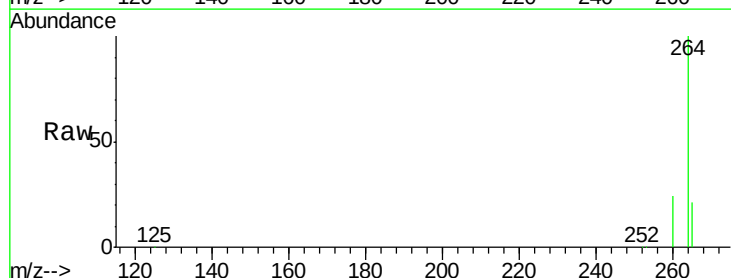
Tgt Ion: 264 Resp: 260087

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

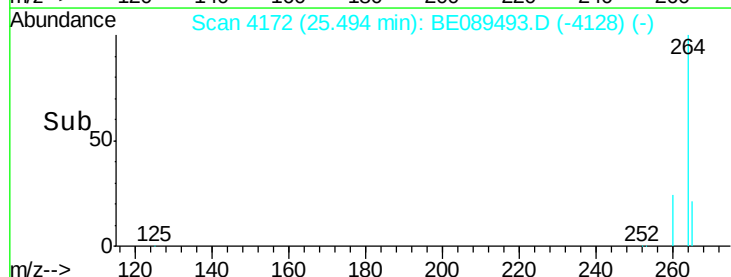
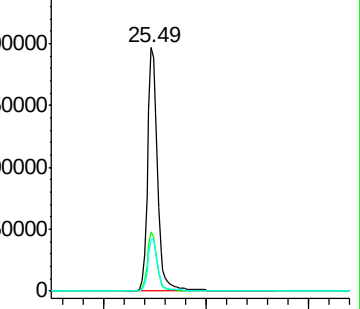
265 21.2 17.0 25.6

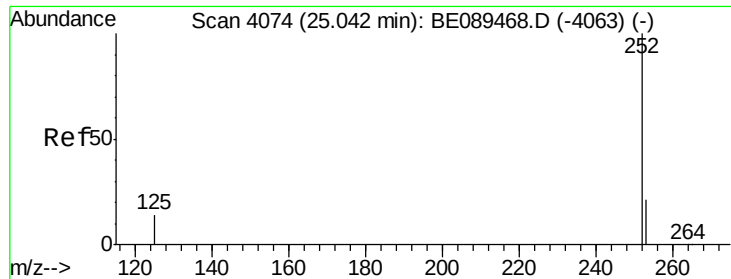


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.19 ng

RT: 25.05 min Scan# 4074

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

Instrument :

BNA_E

ClientSampled :

PB81495BL

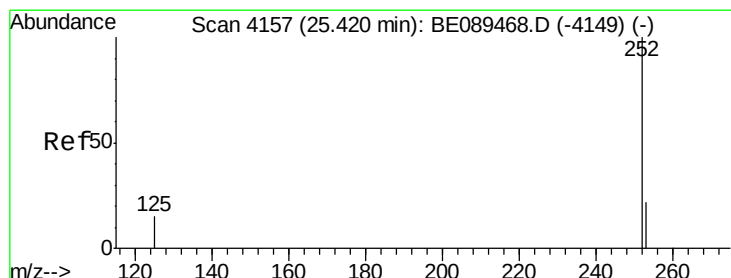
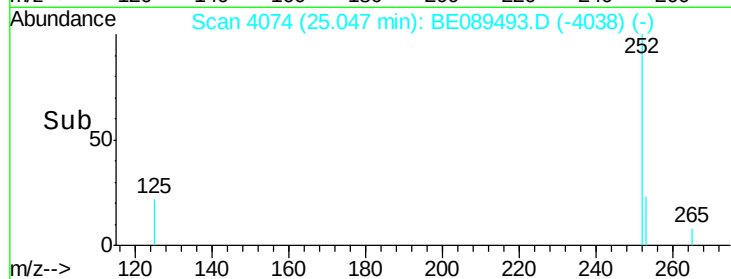
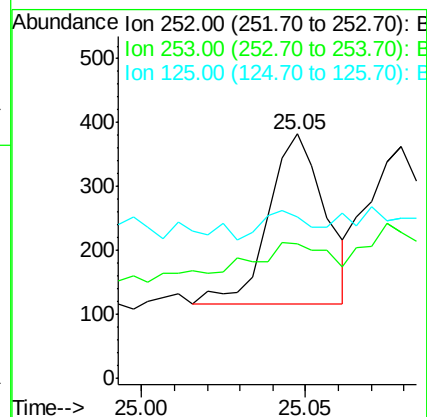
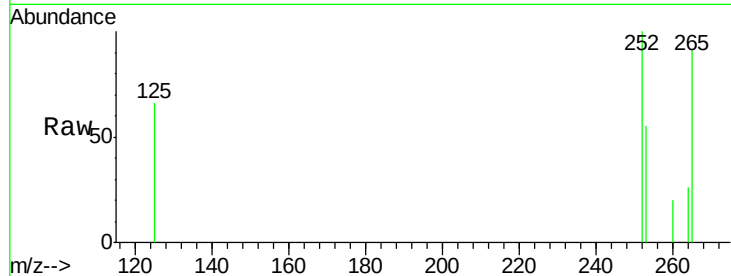
Tgt Ion:252 Resp: 322

Ion Ratio Lower Upper

252 100

253 54.7 17.4 26.2#

125 66.2 11.3 16.9#



#30

Benzo(a)pyrene

Concen: 0.18 ng

RT: 25.43 min Scan# 4157

Delta R.T. 0.01 min

Lab File: BE089493.D

Acq: 4 Feb 2015 12:37

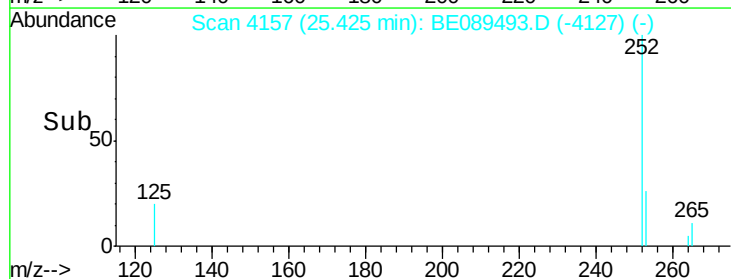
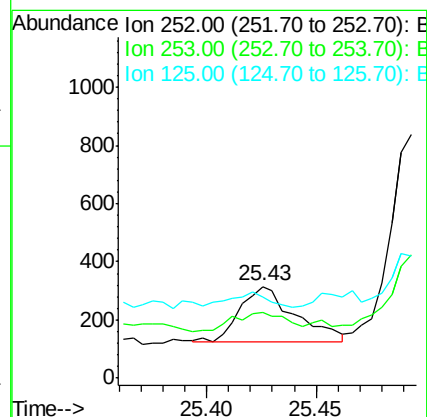
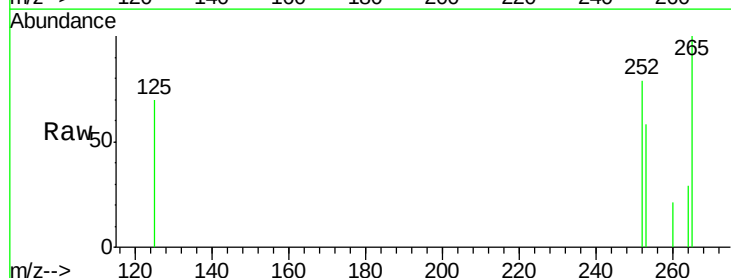
Tgt Ion:252 Resp: 338

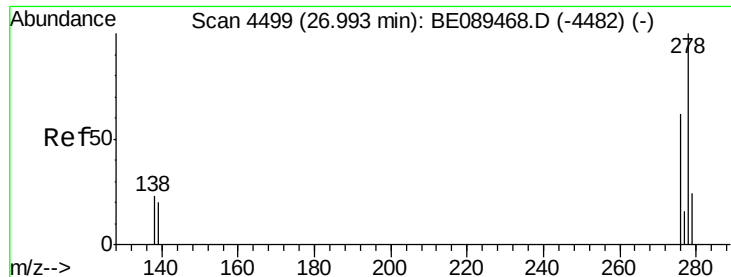
Ion Ratio Lower Upper

252 100

253 72.6 18.2 27.2#

125 88.2 12.2 18.4#





#31

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 27.02 min Scan# 4503

Delta R.T. 0.02 min

Lab File: BE089493.D

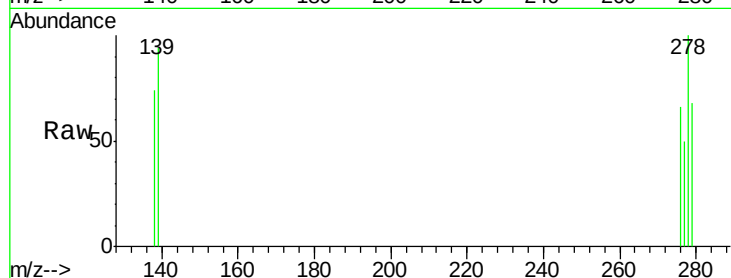
Acq: 4 Feb 2015 12:37

Instrument :

BNA_E

ClientSampleId :

PB81495BL



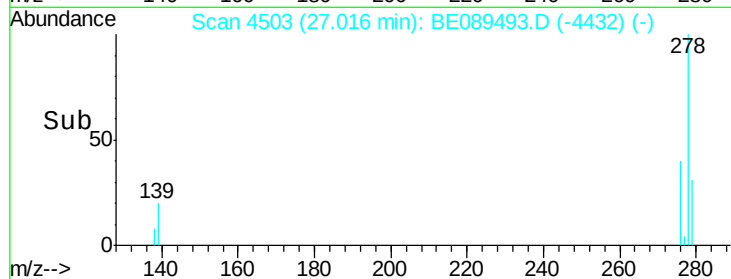
Tgt Ion: 278 Resp: 366

Ion Ratio Lower Upper

278 100

139 93.7 16.8 25.2#

279 67.6 19.4 29.0#



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

