

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010515\
 Data File : BE089323.D
 Acq On : 5 Jan 2015 20:24
 Operator : TP/IZ
 Sample : F5253-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 06 13:38:30 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIM-BE121914.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 20 00:43:57 2014
 Response via : Initial Calibration

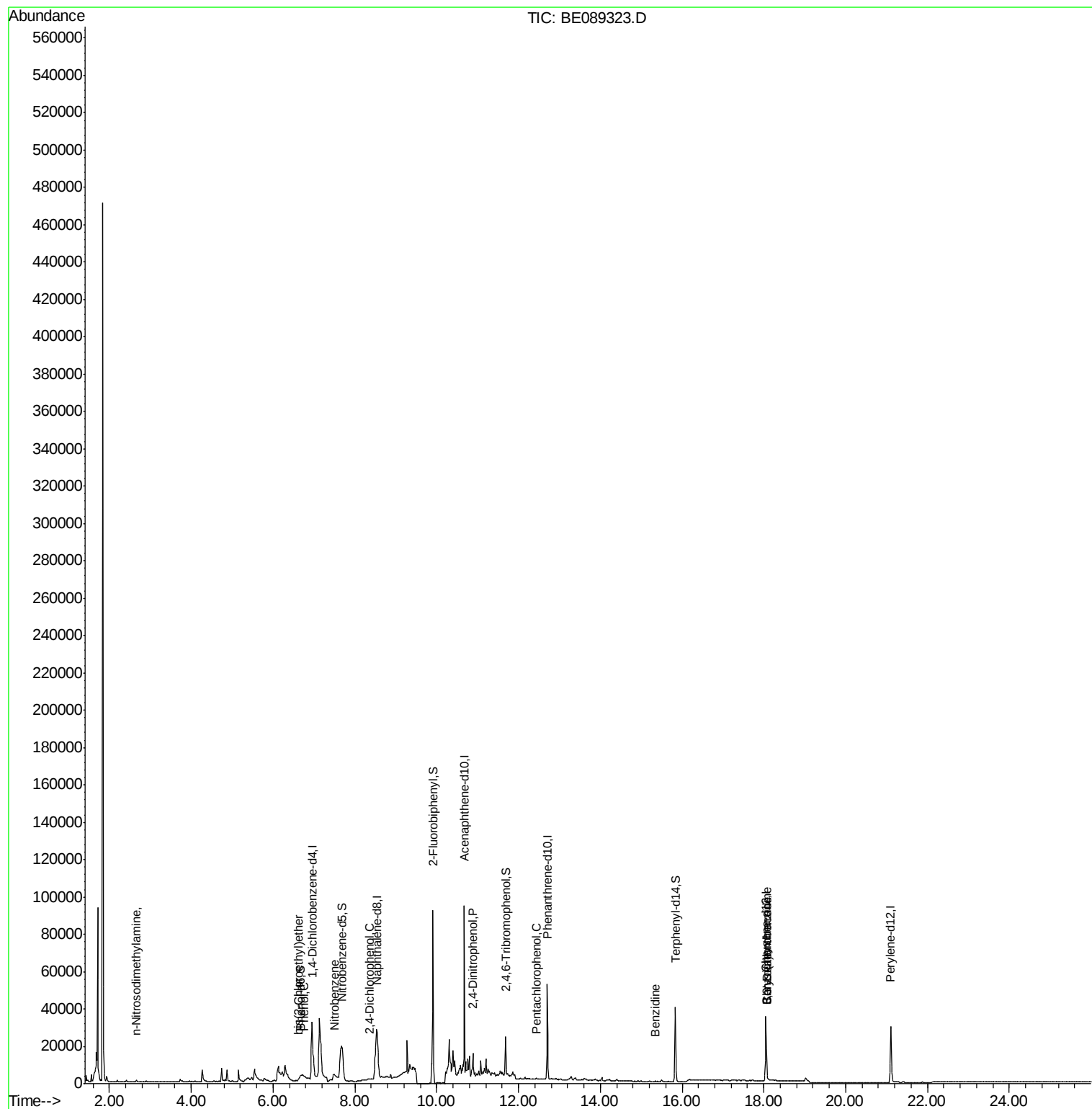
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	23737	5.00	ng	0.00
7) Naphthalene-d8	8.53	136	88462	5.00	ng	0.03
13) Acenaphthene-d10	10.68	164	34853	5.00	ng	0.03
17) Phenanthrene-d10	12.71	188	58142	5.00	ng	0.00
20) Chrysene-d12	18.05	240	47094	5.00	ng	0.00
27) Perylene-d12	21.10	264	44443	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0	0.00	ng	
4) Phenol-d6	6.67	99	1375	0.18	ng	0.12
8) Nitrobenzene-d5	7.67	82	27957	4.22	ng	0.04
14) 2,4,6-Tribromophenol	11.69	330	12192	12.93	ng	0.02
15) 2-Fluorobiphenyl	9.91	172	76233	7.72	ng	0.07
22) Terphenyl-d14	15.83	244	54519	6.48	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	2.66	42	141	0.05	ng	# 1
5) Phenol	6.77	94	4219	0.45	ng	# 1
6) bis(2-Chloroethyl)ether	6.62	93	287	0.04	ng	# 17
9) Nitrobenzene	7.50	77	6155	0.90	ng	# 66
11) 2,4-Dichlorophenol	8.35	162	209	0.05	ng	# 1
16) 2,4-Dinitrophenol	10.88	184	426	1.13	ng	# 1
19) Pentachlorophenol	12.44	266	788	1.19	ng	94
21) Benzidine	15.35	184	411	0.07	ng	# 1
23) Benzo(a)anthracene	18.08	228	1811	0.04	ng	# 1
24) 3,3'-Dichlorobenzidine	18.08	252	110	0.03	ng	# 18
25) Chrysene	18.08	228	1873	0.04	ng	# 5

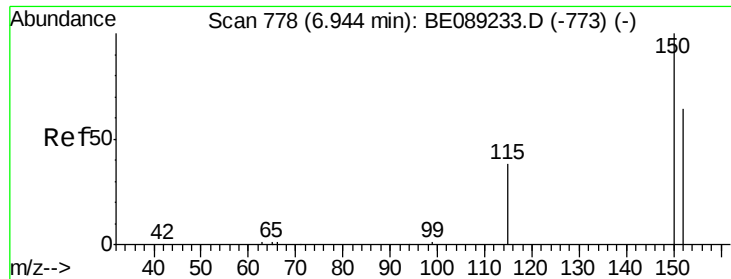
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\methods\SIM-BE121914.M
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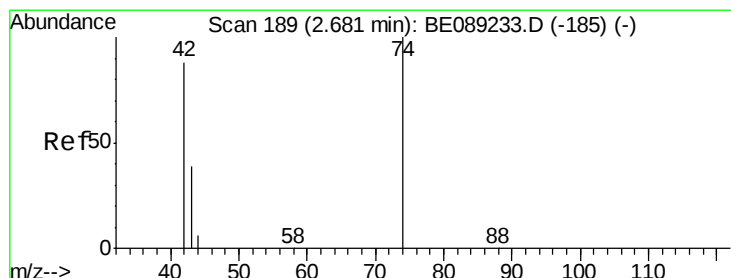
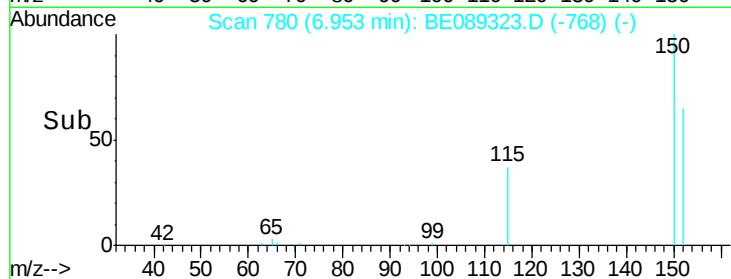
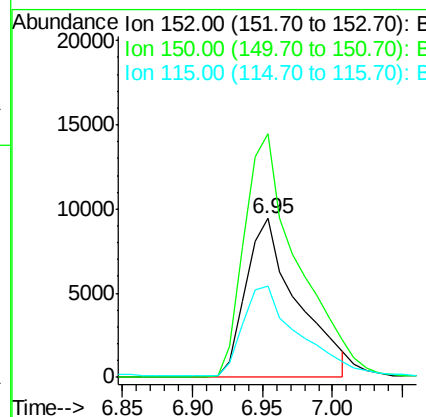
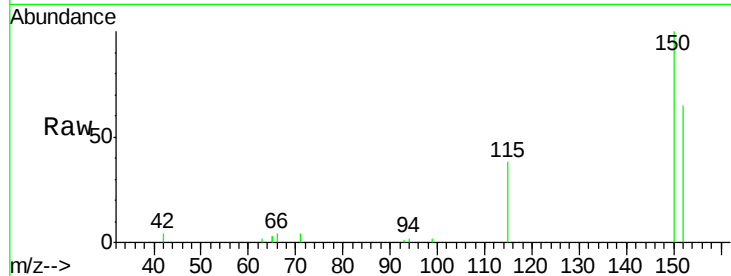




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.95 min Scan# 780
 Delta R.T. 0.01 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

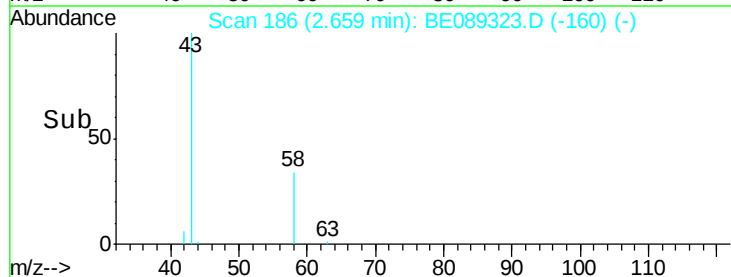
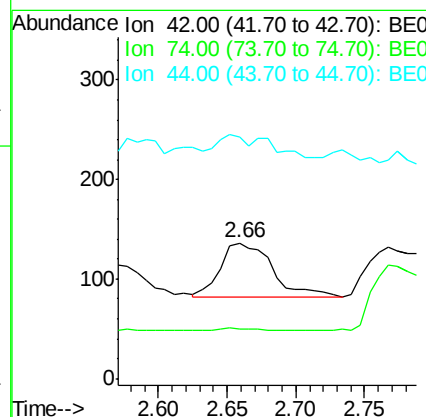
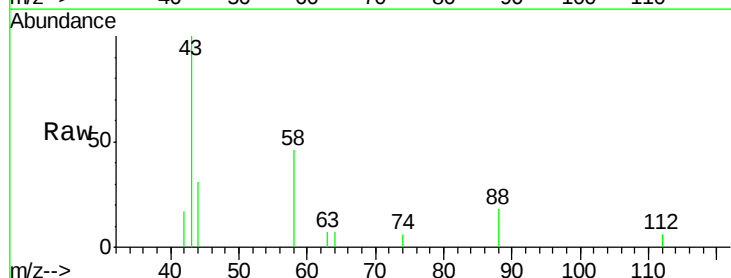
Instrument :
 BNA_E
 ClientSampleId :

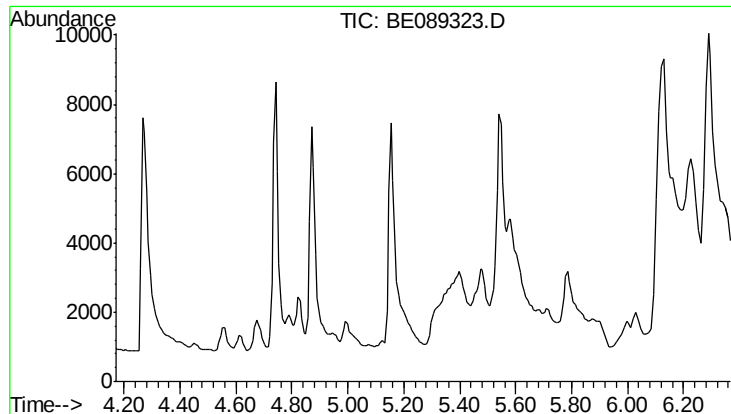
Tgt Ion: 152 Resp: 23737
 Ion Ratio Lower Upper
 152 100
 150 153.4 125.5 188.3
 115 57.9 47.4 71.2



#2
 n-Nitrosodimethylamine
 Concen: 0.05 ng
 RT: 2.66 min Scan# 186
 Delta R.T. -0.02 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

Tgt Ion: 42 Resp: 141
 Ion Ratio Lower Upper
 42 100
 74 36.8 89.7 134.5#
 44 178.7 14.2 21.2#





#3

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.27 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

Tgt Ion: 112

Sig Exp Ratio

112 100

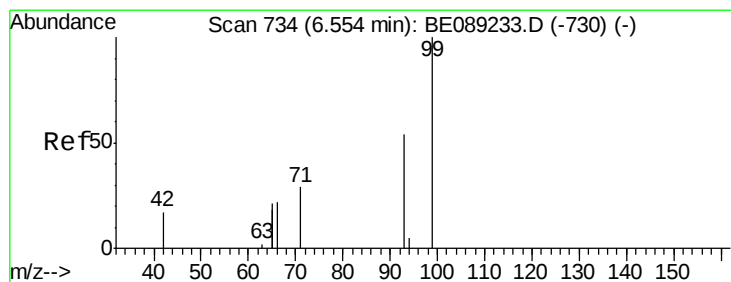
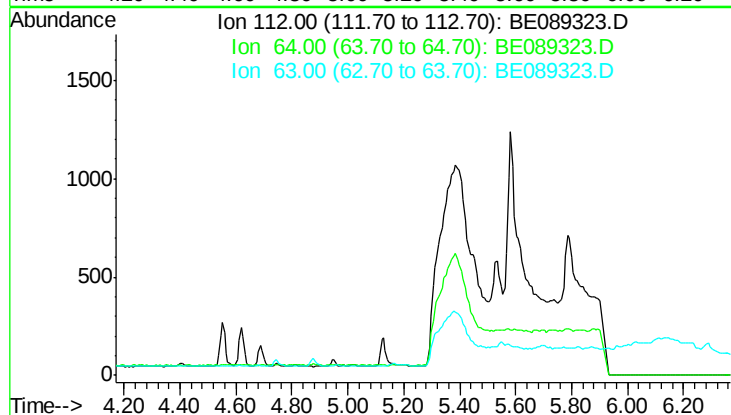
64 56.7

63 29.5

Instrument :

BNA_E

ClientSampleId :



#4

Phenol-d6

Concen: 0.18 ng

RT: 6.67 min Scan# 748

Delta R.T. 0.12 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

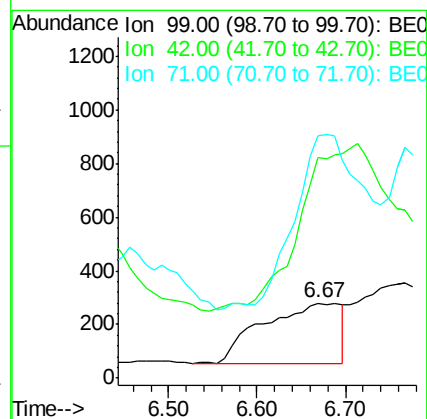
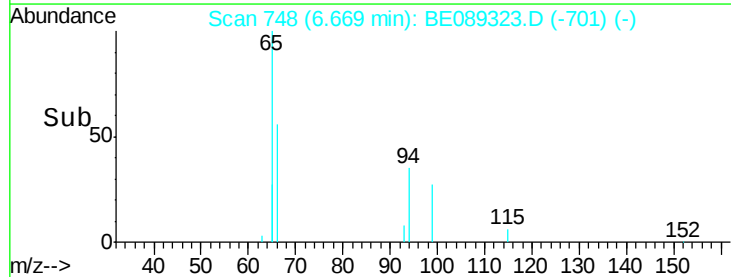
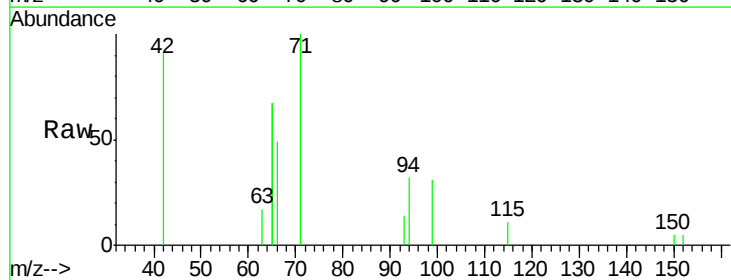
Tgt Ion: 99 Resp: 1375

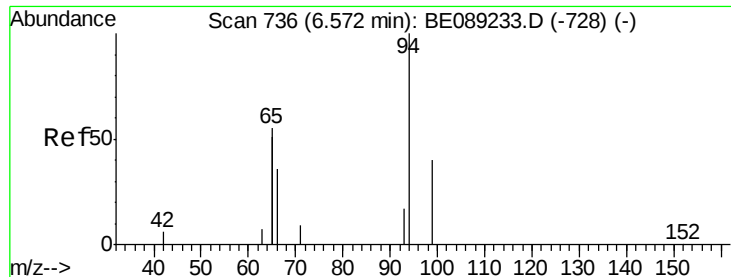
Ion Ratio Lower Upper

99 100

42 294.3 14.6 22.0#

71 324.0 23.5 35.3#





#5

Phenol

Concen: 0.45 ng

RT: 6.77 min Scan# 759

Delta R.T. 0.20 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

Instrument :

BNA_E

ClientSampleId :

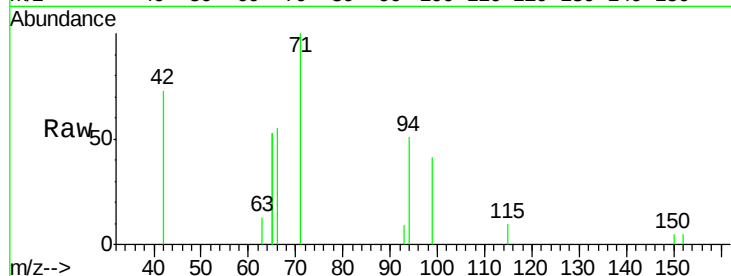
Tgt Ion: 94 Resp: 4219

Ion Ratio Lower Upper

94 100

65 205.9 88.8 128.8#

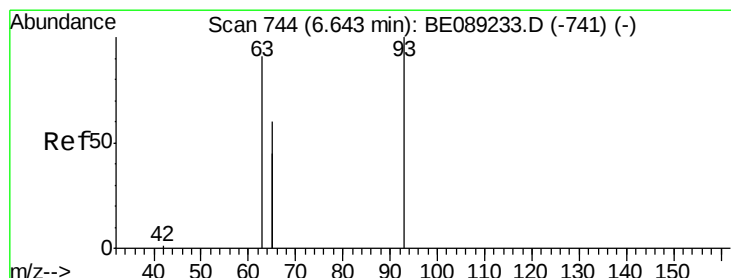
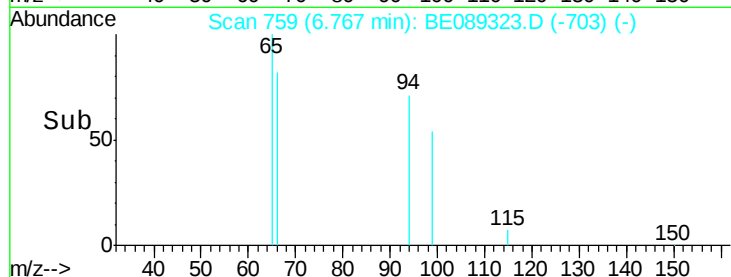
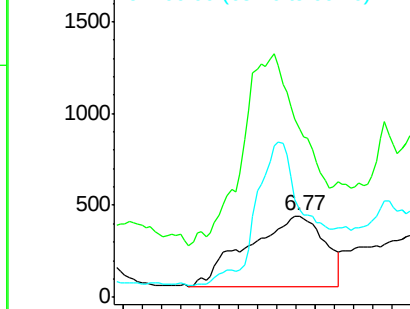
66 107.7 16.9 56.9#



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 6.62 min Scan# 743

Delta R.T. -0.02 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

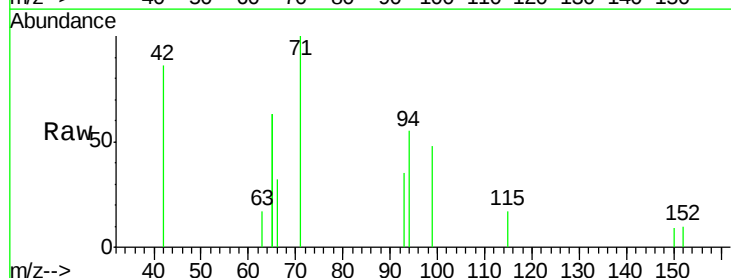
Tgt Ion: 93 Resp: 287

Ion Ratio Lower Upper

93 100

63 0.0 52.8 79.2#

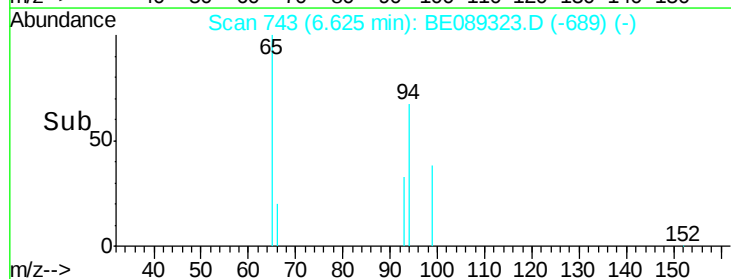
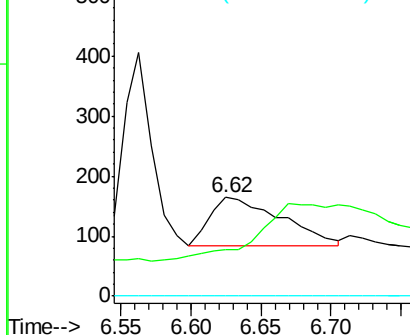
95 0.0 0.0 0.0

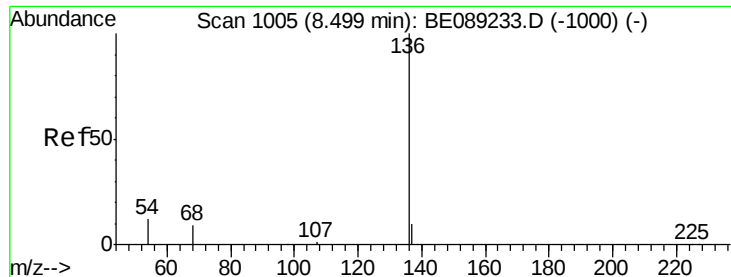


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 8.53 min Scan# 1008

Delta R.T. 0.03 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

Instrument :

BNA_E

ClientSampled :

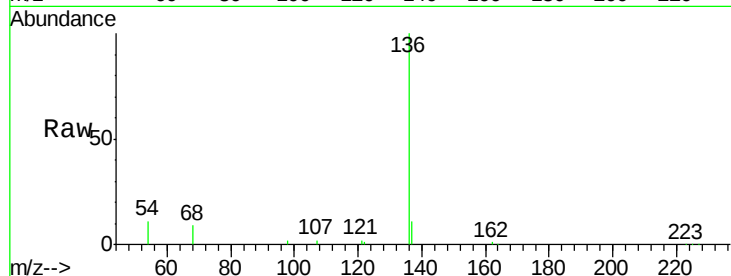
Tgt Ion: 136 Resp: 88462

Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

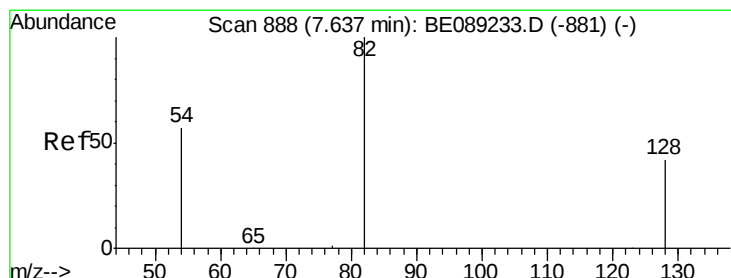
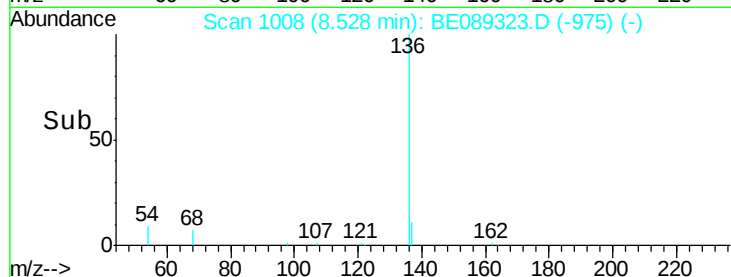
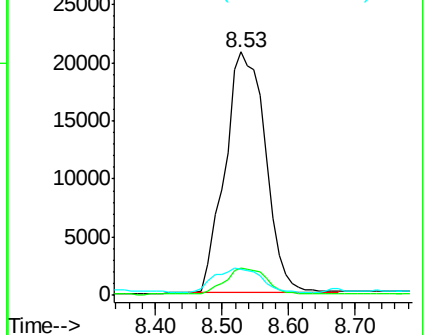
54 10.8 9.4 14.2



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: 4.22 ng

RT: 7.67 min Scan# 897

Delta R.T. 0.04 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

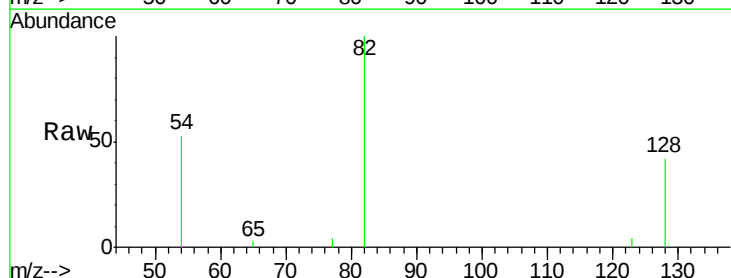
Tgt Ion: 82 Resp: 27957

Ion Ratio Lower Upper

82 100

128 42.3 34.1 51.1

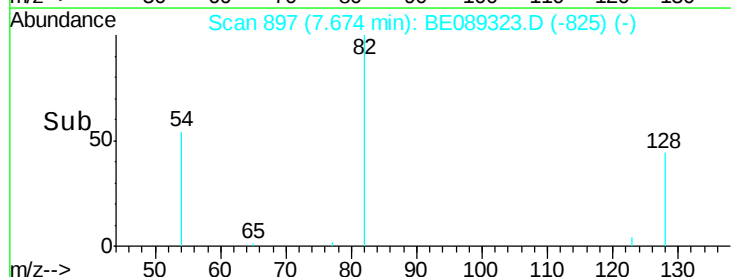
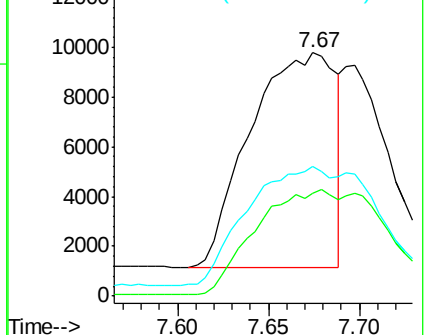
54 53.4 45.6 68.4

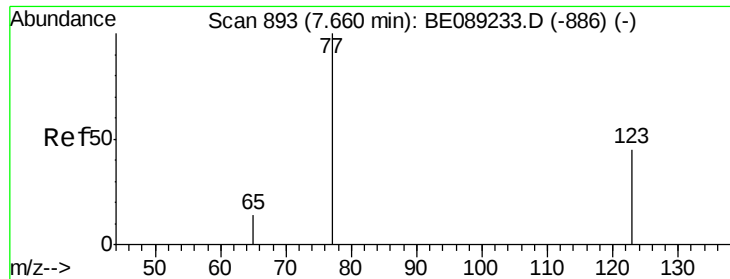


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.90 ng

RT: 7.50 min Scan# 859

Delta R.T. -0.16 min

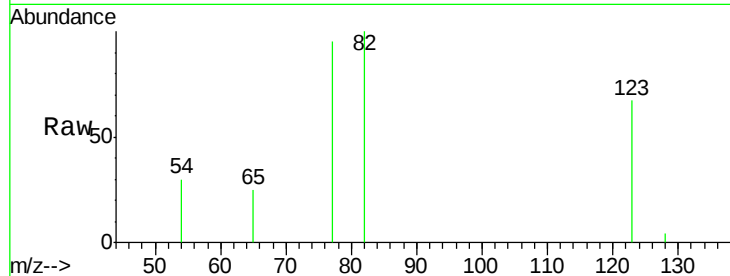
Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

Instrument :

BNA_E

ClientSampleId :



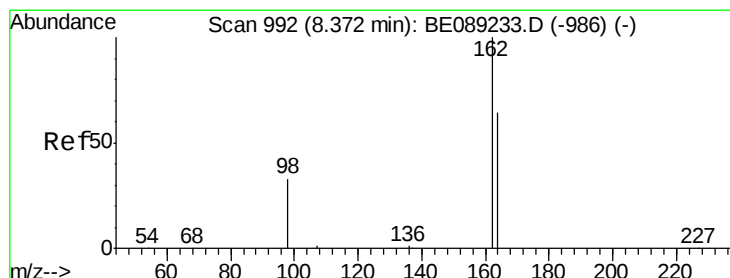
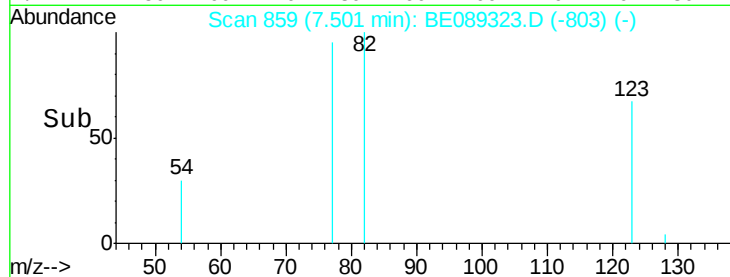
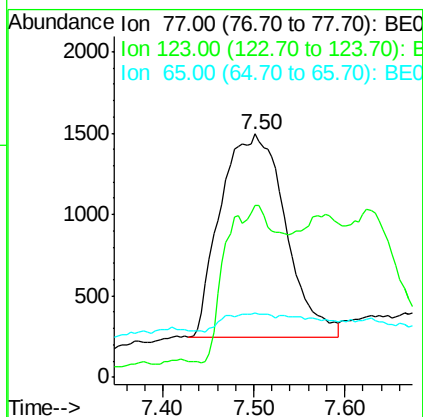
Tgt Ion: 77 Resp: 6155

Ion Ratio Lower Upper

77 100

123 24.4 37.8 56.8#

65 0.0 10.5 15.7#



#11

2,4-Dichlorophenol

Concen: 0.05 ng

RT: 8.35 min Scan# 990

Delta R.T. -0.02 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

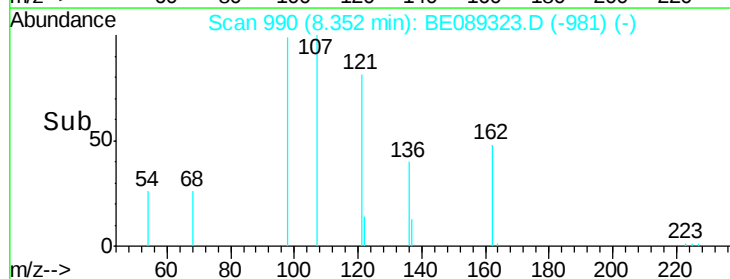
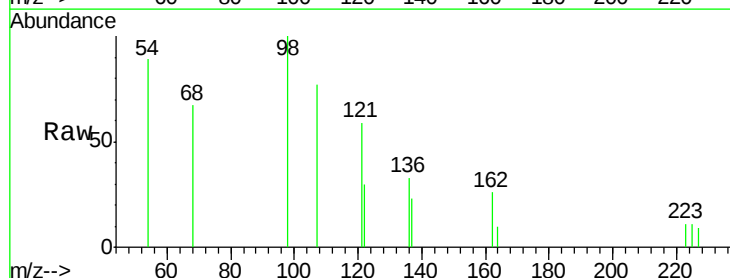
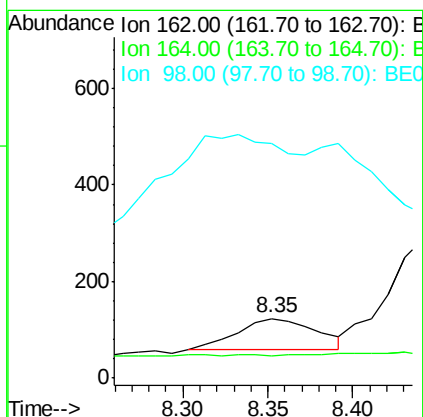
Tgt Ion: 162 Resp: 209

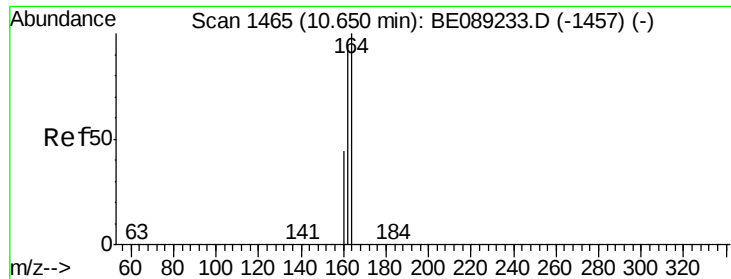
Ion Ratio Lower Upper

162 100

164 37.9 44.3 84.3#

98 391.1 14.6 54.6#

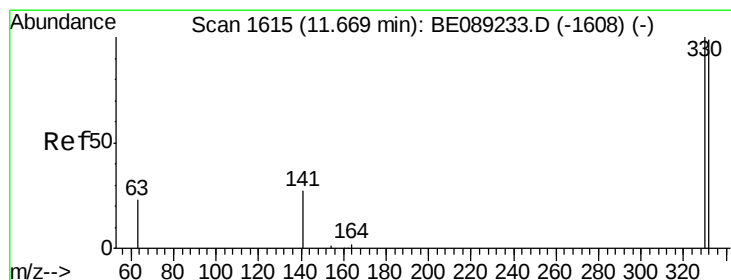
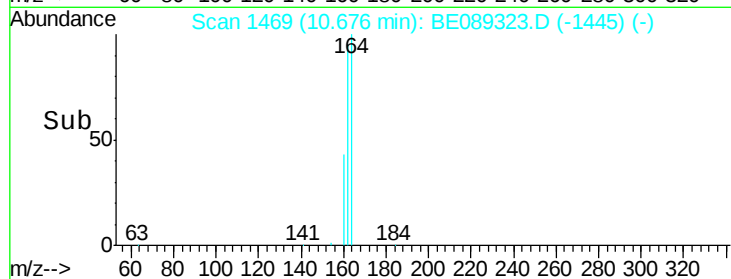
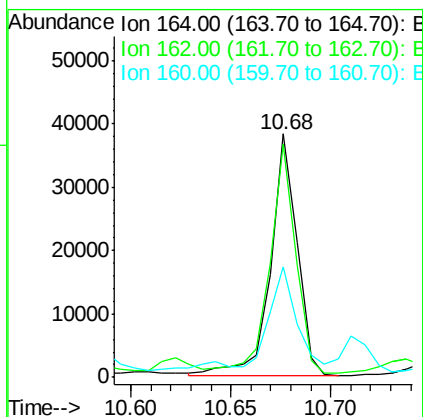
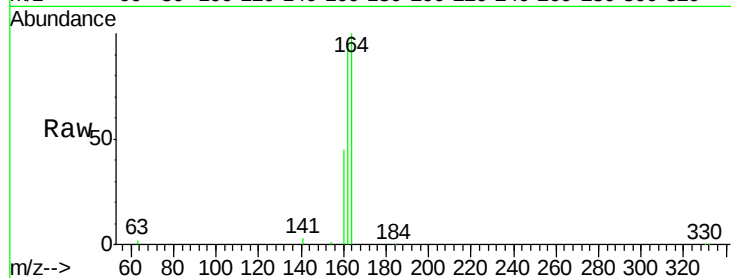




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 10.68 min Scan# 1469
 Delta R.T. 0.03 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

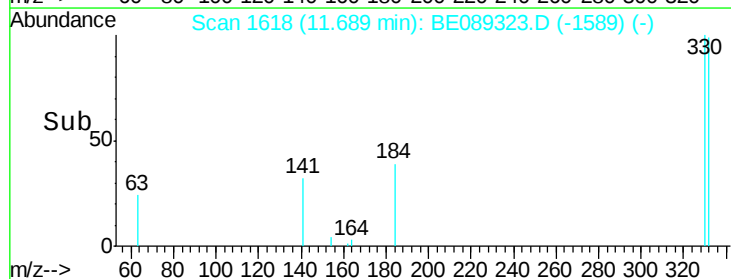
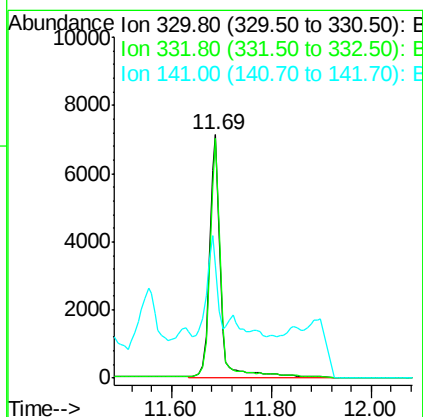
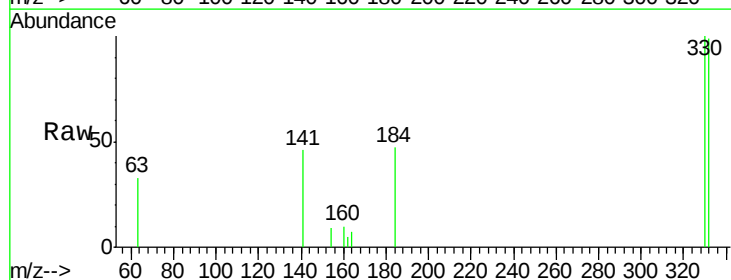
Instrument :
 BNA_E
 ClientSampleId :

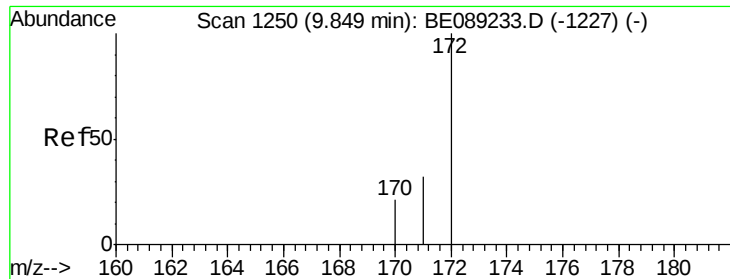
Tgt Ion:164 Resp: 34853
 Ion Ratio Lower Upper
 164 100
 162 95.8 75.4 113.0
 160 45.3 35.6 53.4



#14
 2,4,6-Tribromophenol
 Concen: 12.93 ng
 RT: 11.69 min Scan# 1618
 Delta R.T. 0.02 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

Tgt Ion:330 Resp: 12192
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.1 117.1
 141 33.9 29.4 44.0

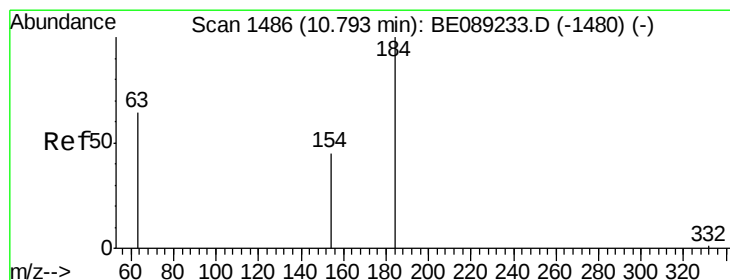
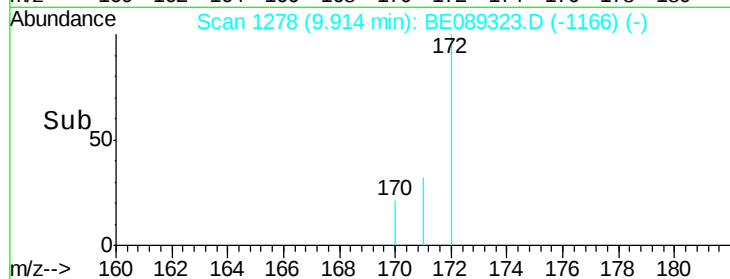
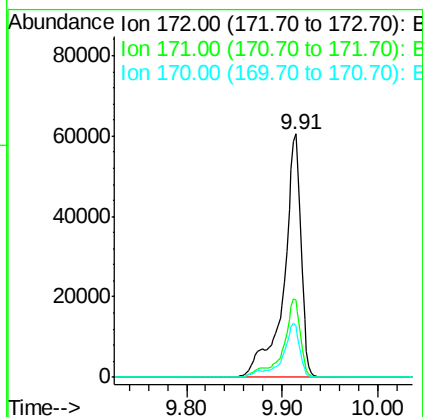
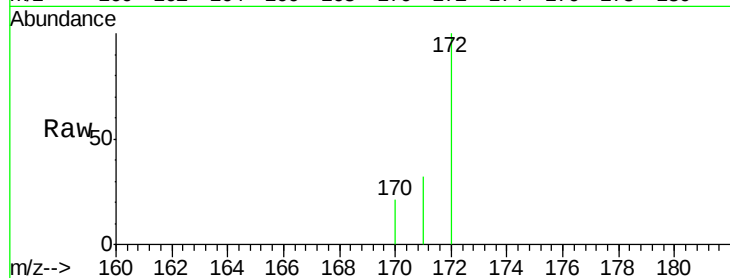




#15
 2-Fluorobiphenyl
 Concen: 7.72 ng
 RT: 9.91 min Scan# 1278
 Delta R.T. 0.07 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

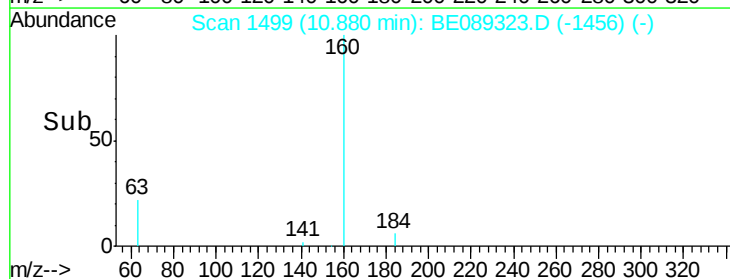
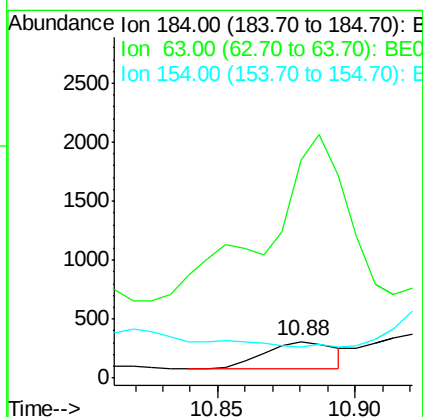
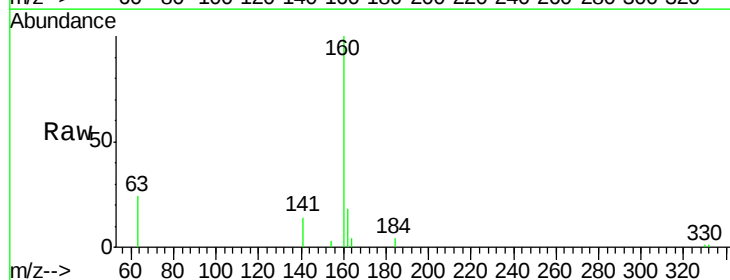
Instrument :
 BNA_E
 ClientSampleId :

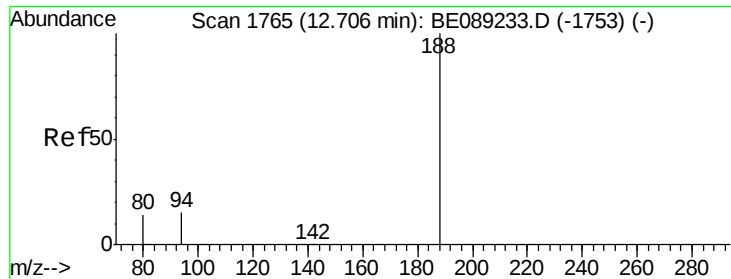
Tgt Ion:172 Resp: 76233
 Ion Ratio Lower Upper
 172 100
 171 32.0 25.5 38.3
 170 21.2 16.8 25.2



#16
 2,4-Dinitrophenol
 Concen: 1.13 ng
 RT: 10.88 min Scan# 1499
 Delta R.T. 0.09 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

Tgt Ion:184 Resp: 426
 Ion Ratio Lower Upper
 184 100
 63 593.6 69.9 104.9#
 154 85.9 59.1 88.7

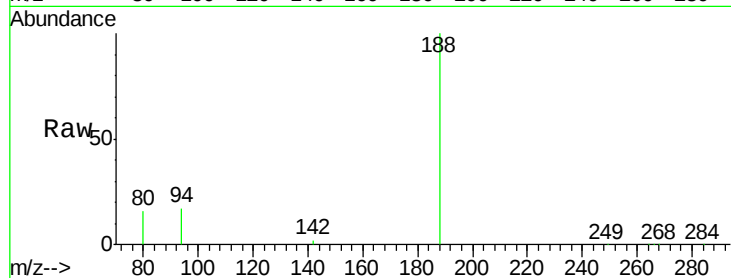




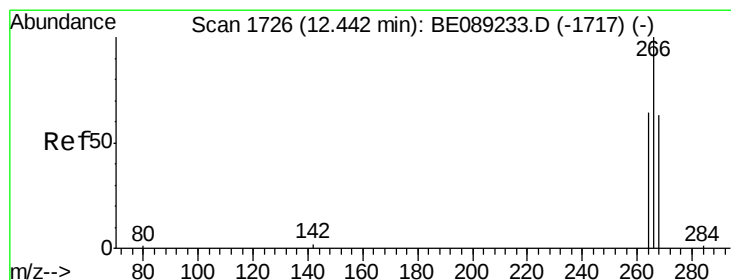
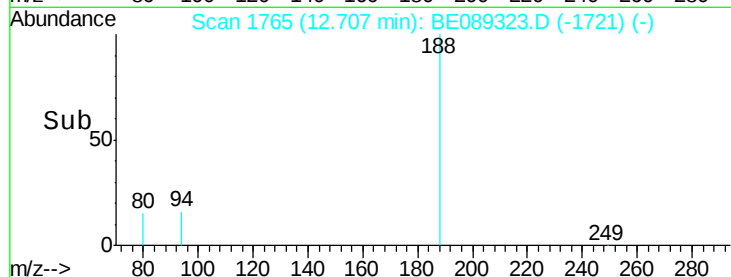
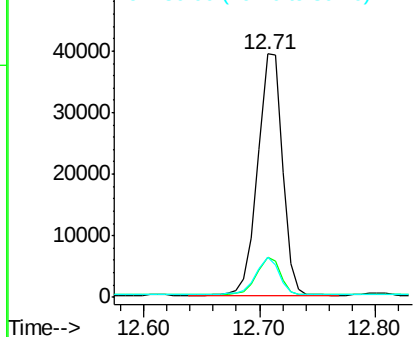
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.71 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BE089323.D
Acq: 5 Jan 2015 20:24

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 58142
Ion Ratio Lower Upper
188 100
94 16.6 11.8 17.8
80 16.2 11.4 17.0

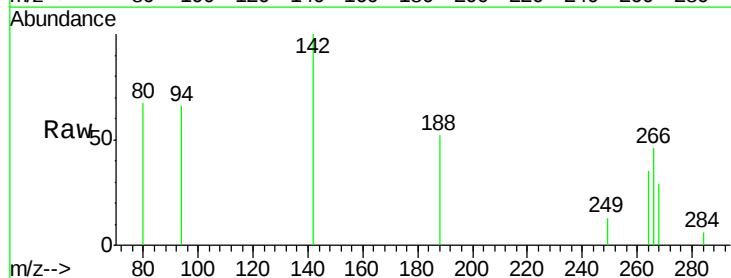


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

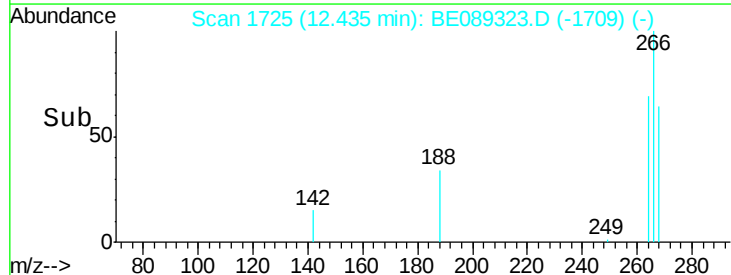
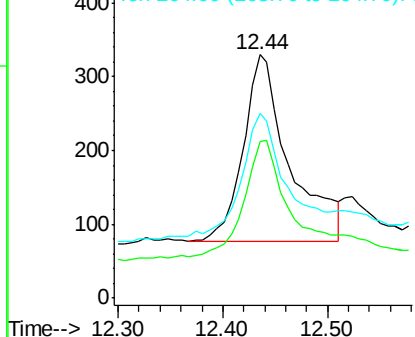


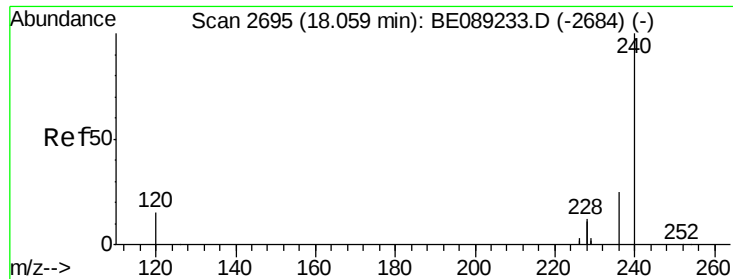
#19
Pentachlorophenol
Concen: 1.19 ng
RT: 12.44 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BE089323.D
Acq: 5 Jan 2015 20:24

Tgt Ion:266 Resp: 788
Ion Ratio Lower Upper
266 100
268 64.5 55.8 83.6
264 75.8 56.5 84.7



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: 18.05 min Scan# 2694

Delta R.T. -0.01 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

Instrument :

BNA_E

ClientSampleId :

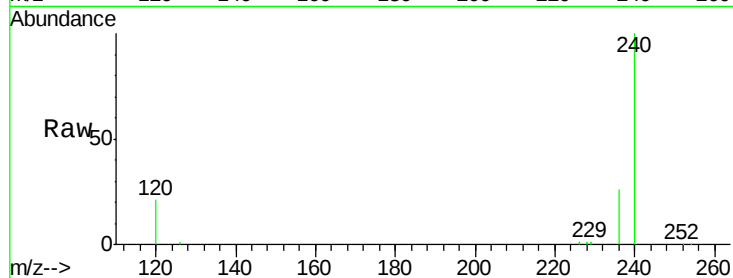
Tgt Ion:240 Resp: 47094

Ion Ratio Lower Upper

240 100

120 20.7 12.5 18.7#

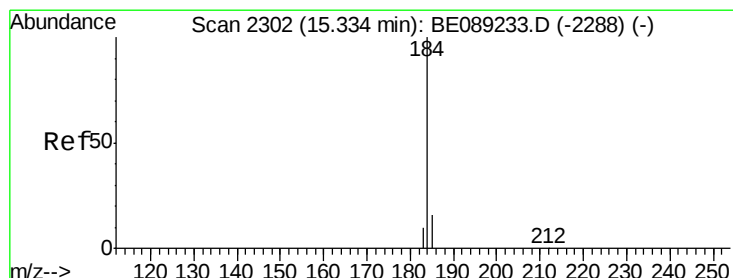
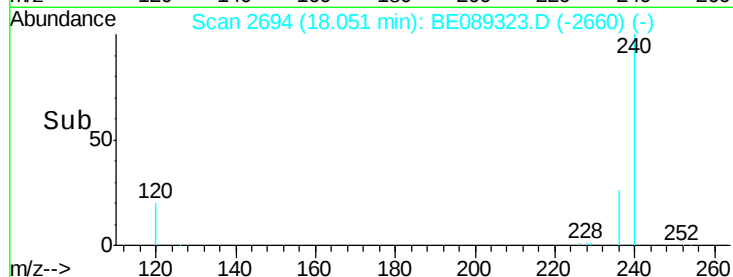
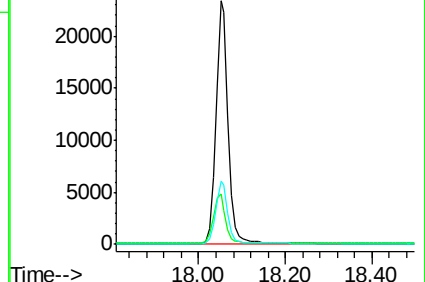
236 25.8 20.2 30.2



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



#21

Benzidine

Concen: 0.07 ng

RT: 15.35 min Scan# 2305

Delta R.T. 0.01 min

Lab File: BE089323.D

Acq: 5 Jan 2015 20:24

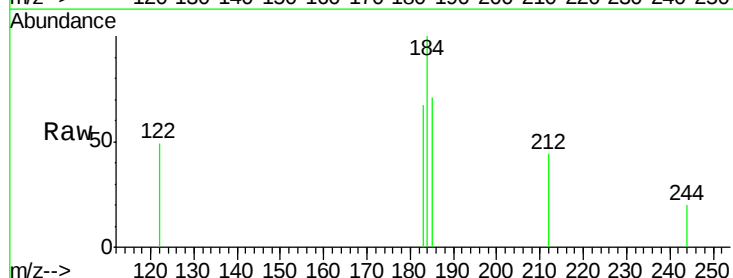
Tgt Ion:184 Resp: 411

Ion Ratio Lower Upper

184 100

185 71.5 14.4 21.6#

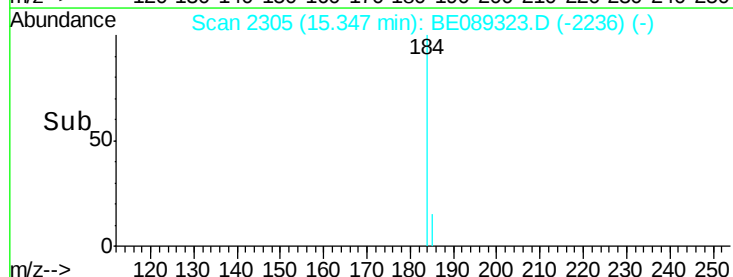
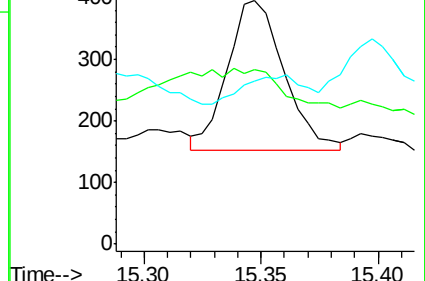
183 66.9 9.6 14.4#

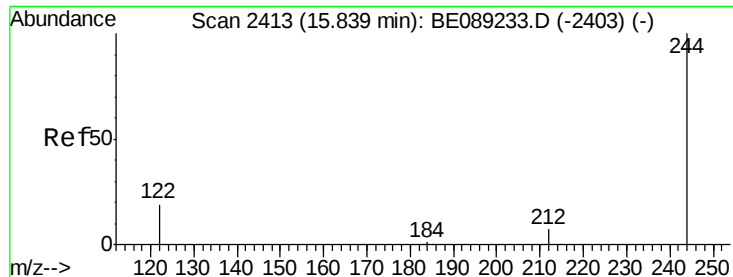


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

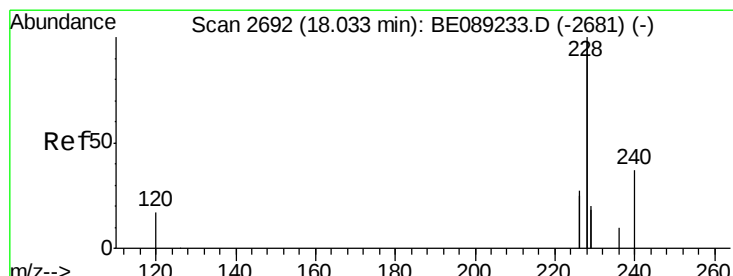
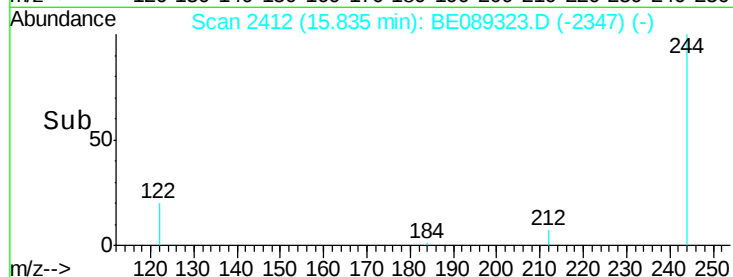
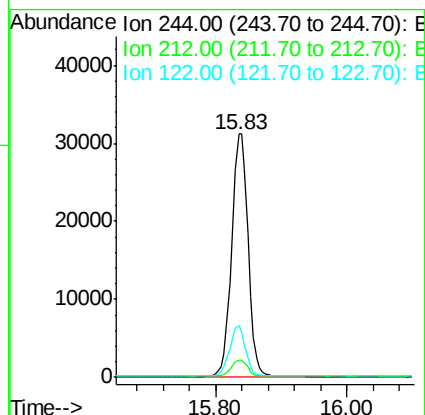
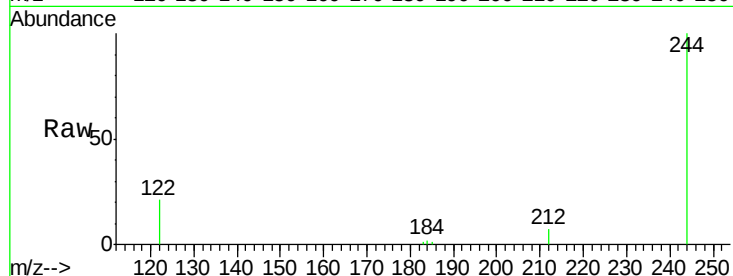




#22
 Terphenyl-d14
 Concen: 6.48 ng
 RT: 15.83 min Scan# 2412
 Delta R.T. -0.00 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

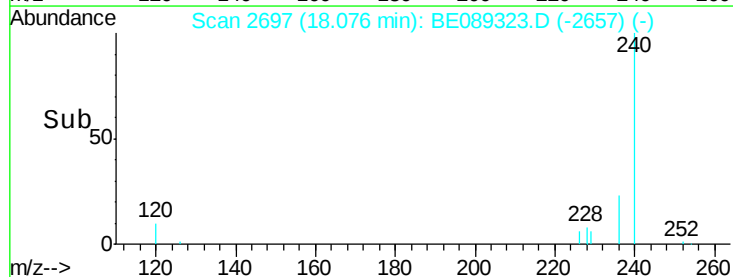
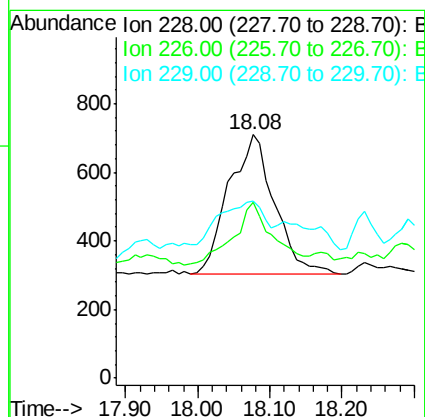
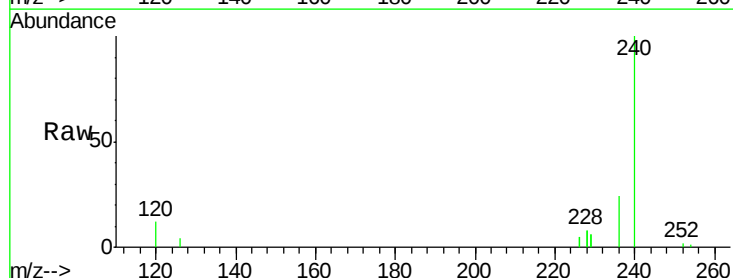
Instrument :
 BNA_E
 ClientSampleId :

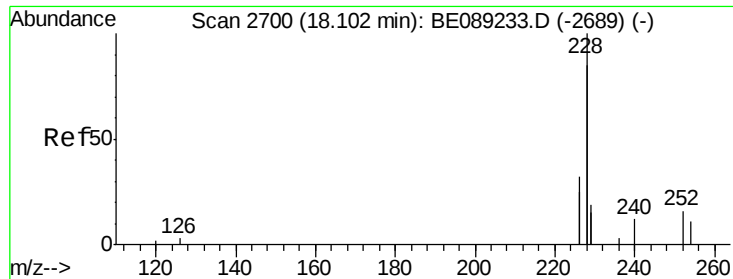
Tgt Ion:244 Resp: 54519
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 21.0 16.2 24.2



#23
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 18.08 min Scan# 2697
 Delta R.T. 0.04 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

Tgt Ion:228 Resp: 1811
 Ion Ratio Lower Upper
 228 100
 226 72.1 21.4 32.0#
 229 73.0 16.0 24.0#

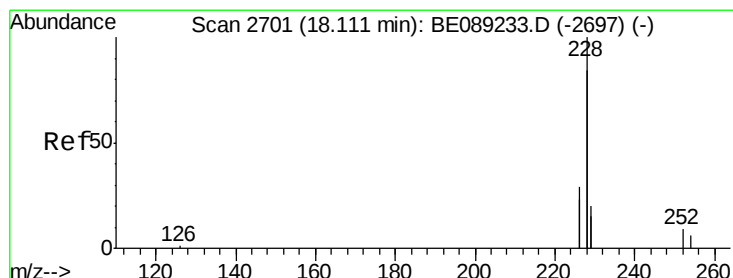
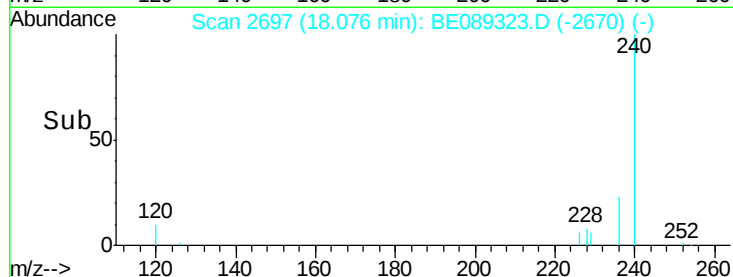
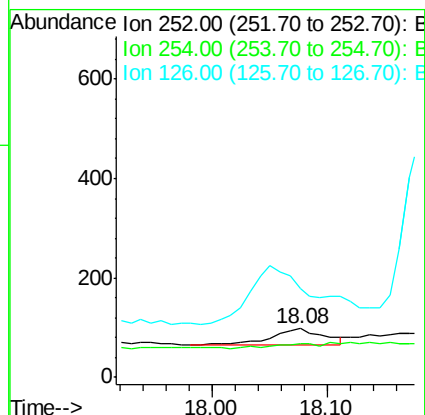
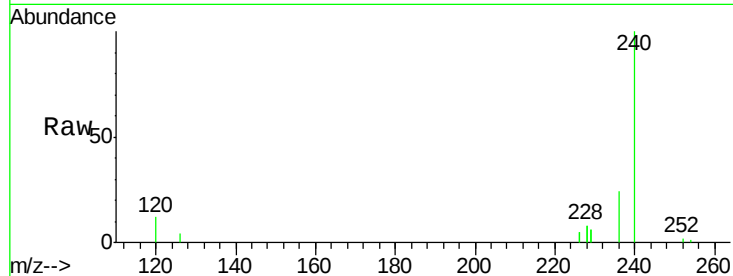




#24
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 18.08 min Scan# 2697
 Delta R.T. -0.03 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

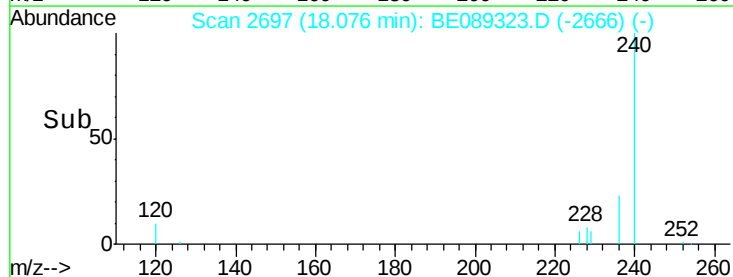
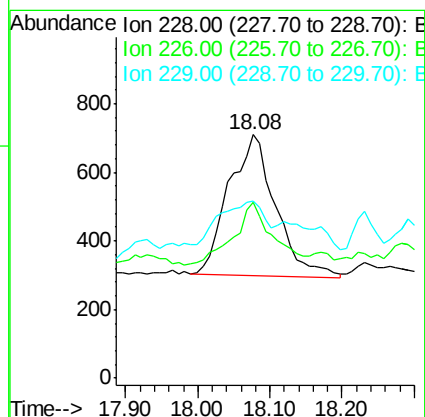
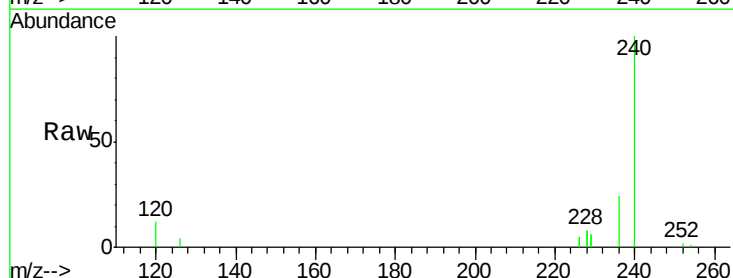
Instrument :
 BNA_E
 ClientSampleId :

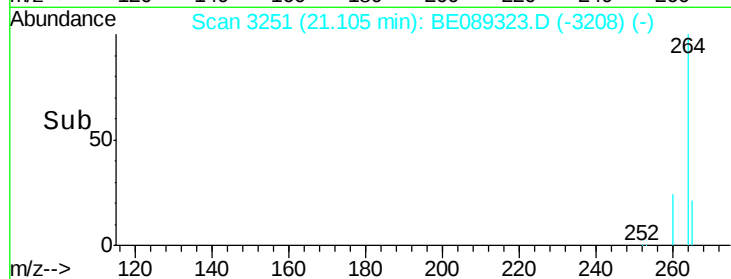
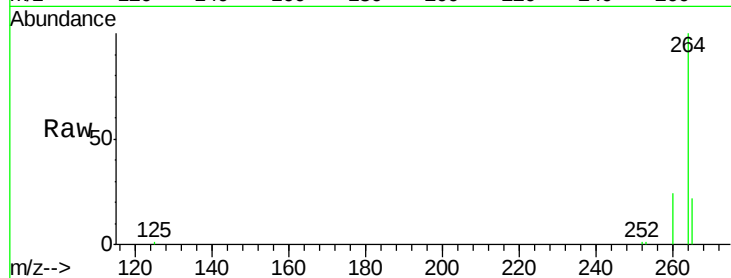
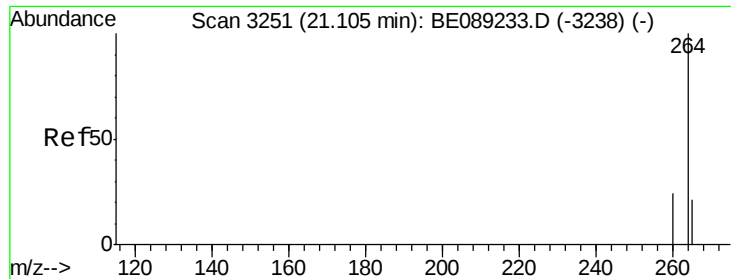
Tgt Ion: 252 Resp: 110
 Ion Ratio Lower Upper
 252 100
 254 68.4 53.0 79.6
 126 181.6 15.0 22.6#



#25
 Chrysene
 Concen: 0.04 ng
 RT: 18.08 min Scan# 2697
 Delta R.T. -0.03 min
 Lab File: BE089323.D
 Acq: 5 Jan 2015 20:24

Tgt Ion: 228 Resp: 1873
 Ion Ratio Lower Upper
 228 100
 226 72.1 23.2 34.8#
 229 73.0 16.2 24.2#





#27
Perylene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 3251
Delta R.T. 0.00 min
Lab File: BE089323.D
Acq: 5 Jan 2015 20:24

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 264 Resp: 44443
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.0
265 21.6 17.1 25.7

