

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089484.D
 Acq On : 4 Feb 2015 5:21
 Operator : TP/IZ
 Sample : G1110-11
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MPE-9

Quant Time: Feb 04 06:31:37 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	190243	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	754799	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	370822	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	617044	5.00	ng	0.00
20) Chrysene-d12	23.79	240	553690	5.00	ng	0.00
27) Perylene-d12	25.50	264	523272	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.74	112	216490	3.52	ng	0.01
4) Phenol-d6	8.85	99	231047	2.99	ng	0.02
8) Nitrobenzene-d5	10.80	82	330281	5.79	ng	0.00
14) 2,4,6-Tribromophenol	18.52	330	152495	9.50	ng	0.01
15) 2-Fluorobiphenyl	15.07	172	557626	5.71	ng	0.00
22) Terphenyl-d14	22.44	244	738558	9.41	ng	0.00

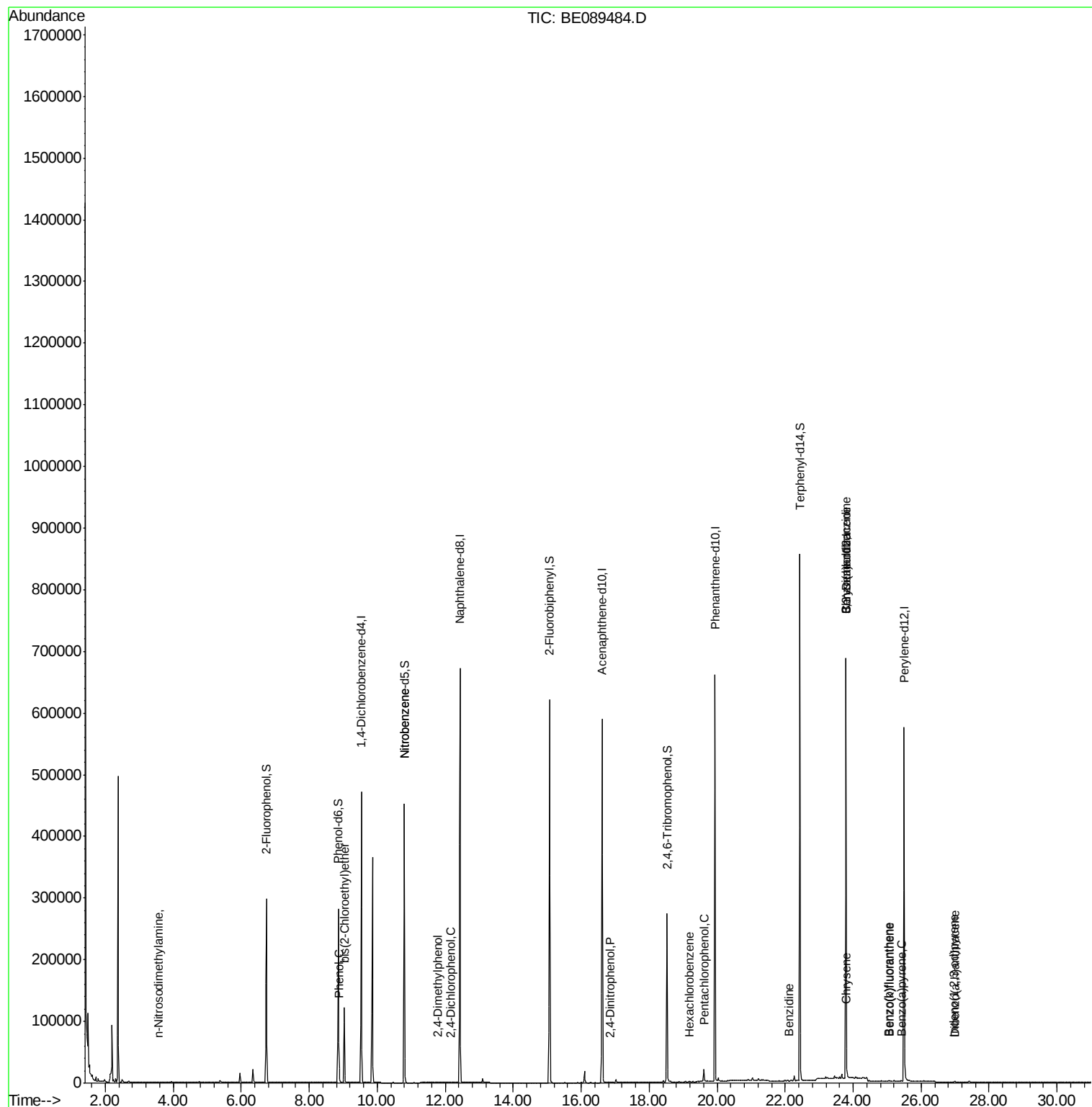
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.56	42	172	0.09	ng	# 1
5) Phenol	8.88	94	26605	0.32	ng	# 57
6) bis(2-Chloroethyl)ether	9.03	93	515	0.01	ng	# 1
9) Nitrobenzene	10.80	77	1104	0.02	ng	# 36
10) 2,4-Dimethylphenol	11.78	122	186	0.00	ng	# 77
11) 2,4-Dichlorophenol	12.17	162	57	0.00	ng	# 11
16) 2,4-Dinitrophenol	16.85	184	63	0.42	ng	# 4
18) Hexachlorobenzene	19.17	284	52	0.00	ng	# 1
19) Pentachlorophenol	19.61	266	12274	2.00	ng	99
21) Benzidine	22.10	184	56	0.09	ng	# 1
23) Benzo(a)anthracene	23.79	228	9649	0.02	ng	# 66
24) 3,3'-Dichlorobenzidine	23.78	252	53	0.12	ng	# 1
25) Chrysene	23.82	228	2976	0.01	ng	# 31
26) Indeno(1,2,3-cd)pyrene	26.97	276	1156	0.14	ng	# 77
28) Benzo(b)fluoranthene	25.05	252	801	0.19	ng	# 1
29) Benzo(k)fluoranthene	25.07	252	556	0.00	ng	# 1
30) Benzo(a)pyrene	25.42	252	859	0.18	ng	# 1
31) Dibenzo(a,h)anthracene	27.00	278	819	0.16	ng	# 1

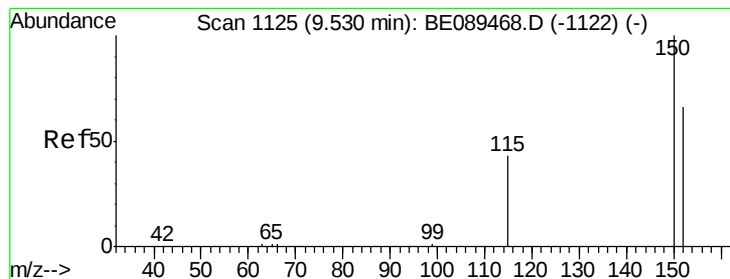
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089484.D
Acq On : 4 Feb 2015 5:21
Operator : TP/IZ
Sample : G1110-11
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MPE-9

Quant Time: Feb 04 06:31:37 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: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

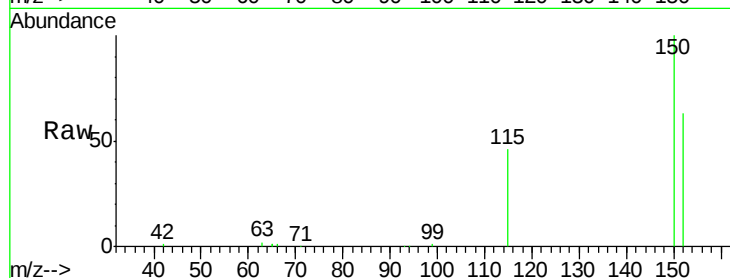
Tgt Ion:152 Resp: 190243

Ion Ratio Lower Upper

152 100

150 158.8 122.1 183.1

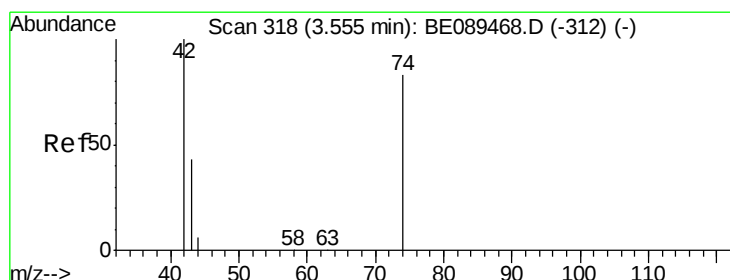
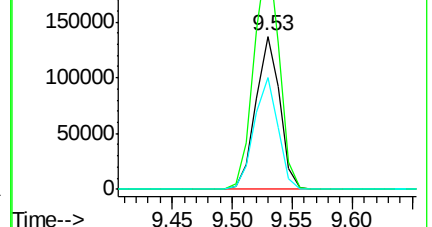
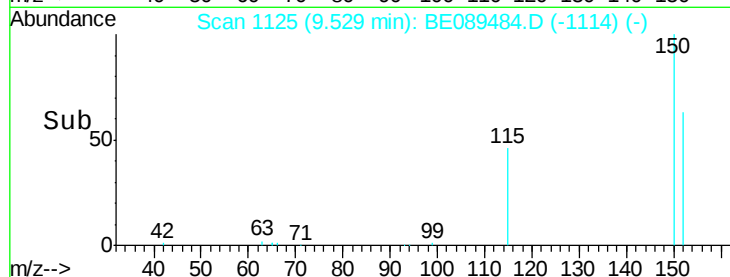
115 72.9 53.2 79.8



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: BE089484.D

Acq: 4 Feb 2015 5:21

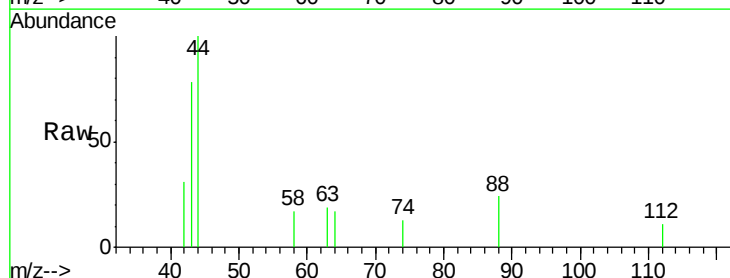
Tgt Ion: 42 Resp: 172

Ion Ratio Lower Upper

42 100

74 41.3 65.4 98.2#

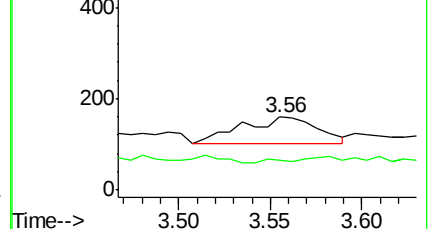
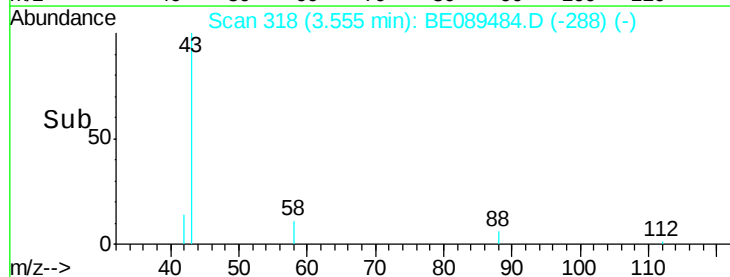
44 317.5 11.7 17.5#

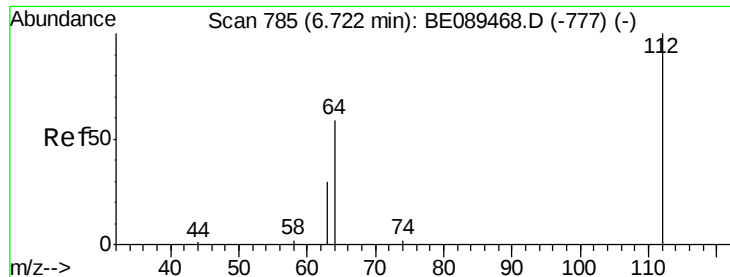


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 3.52 ng

RT: 6.74 min Scan# 787

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampled :

MPE-9

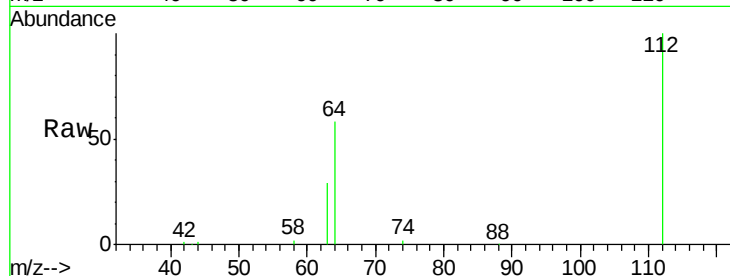
Tgt Ion: 112 Resp: 216490

Ion Ratio Lower Upper

112 100

64 57.6 47.0 70.6

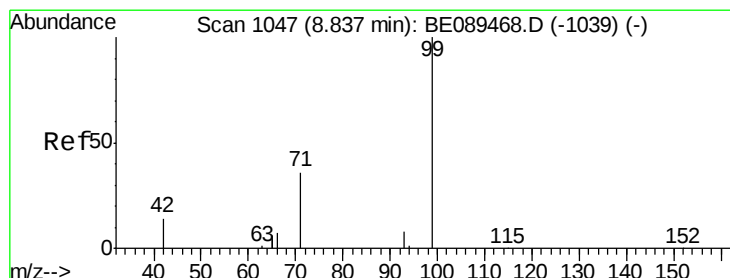
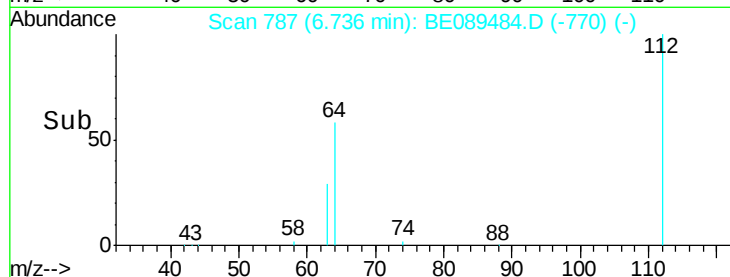
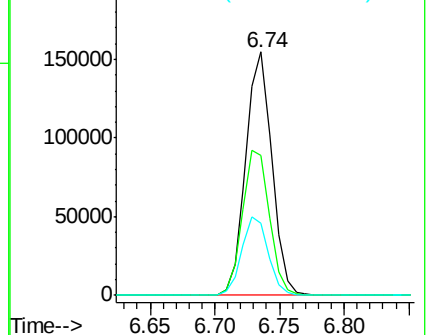
63 29.4 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 2.99 ng

RT: 8.85 min Scan# 1049

Delta R.T. 0.02 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

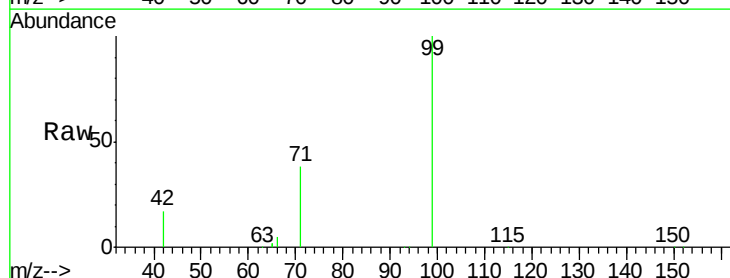
Tgt Ion: 99 Resp: 231047

Ion Ratio Lower Upper

99 100

42 16.8 11.8 17.6

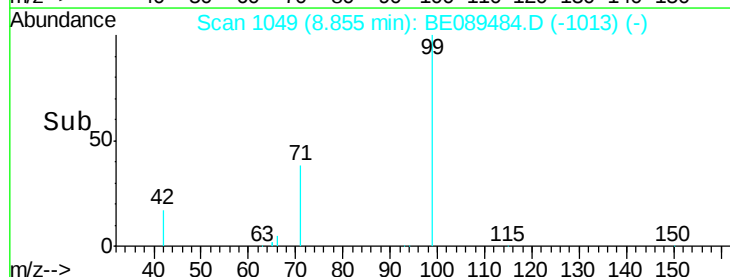
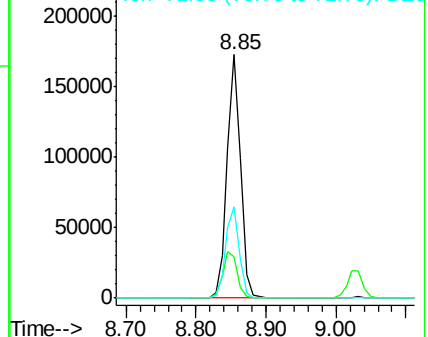
71 37.6 28.7 43.1

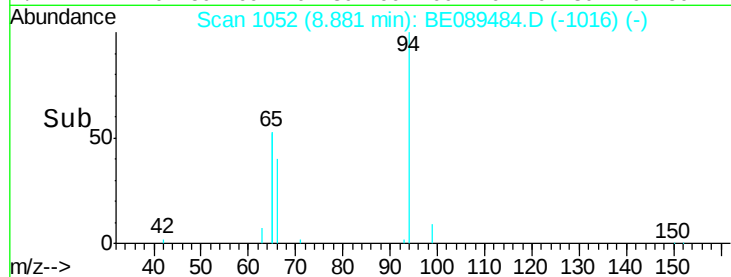
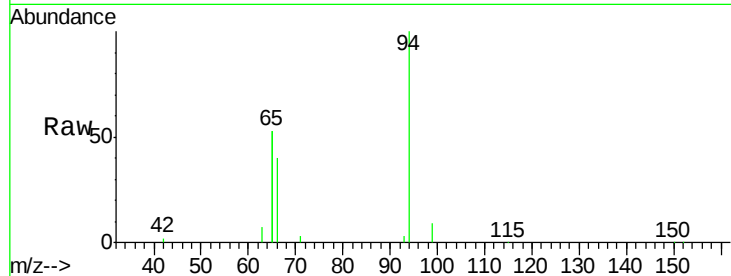
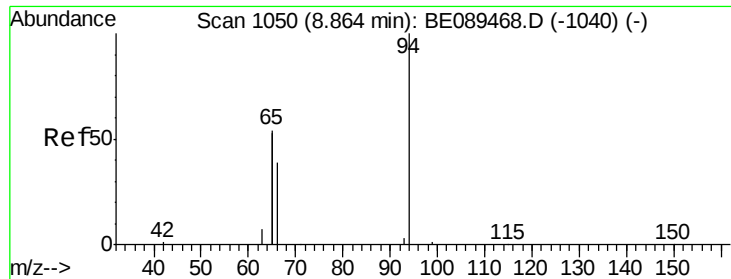


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.32 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.02 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampled :

MPE-9

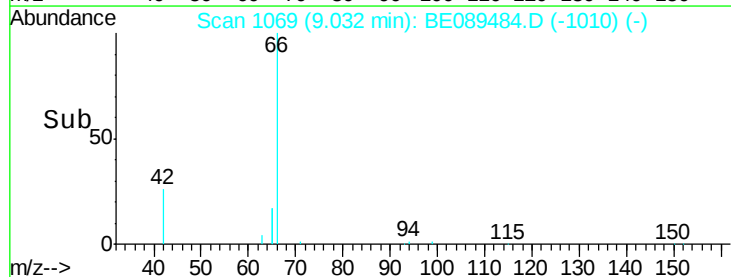
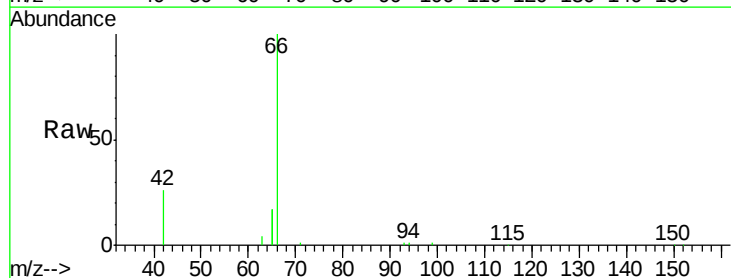
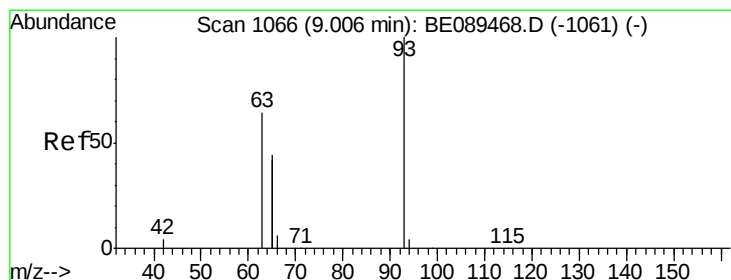
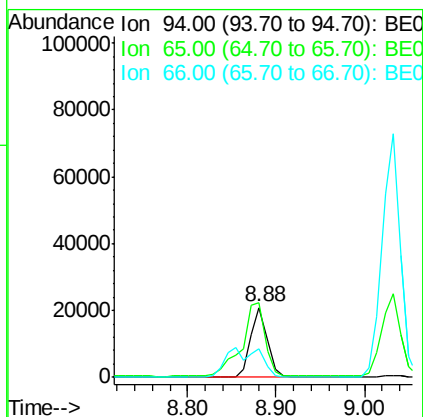
Tgt Ion: 94 Resp: 26605

Ion Ratio Lower Upper

94 100

65 106.0 33.9 73.9#

66 40.1 19.1 59.1



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.03 min Scan# 1069

Delta R.T. 0.03 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

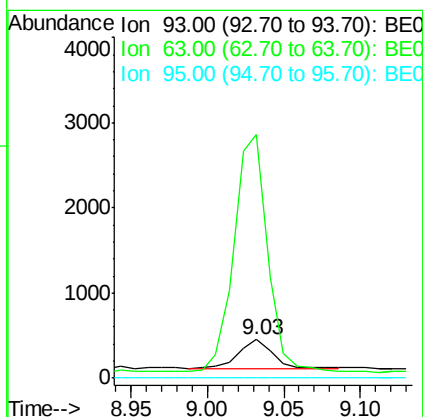
Tgt Ion: 93 Resp: 515

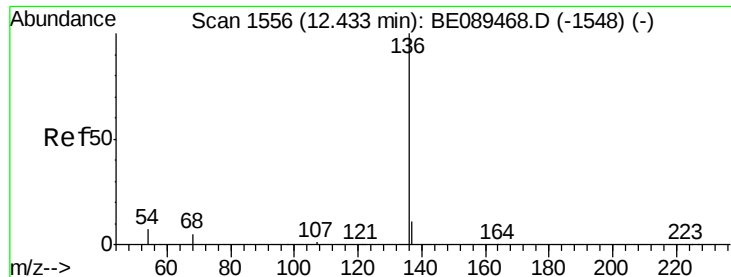
Ion Ratio Lower Upper

93 100

63 838.3 57.0 85.6#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

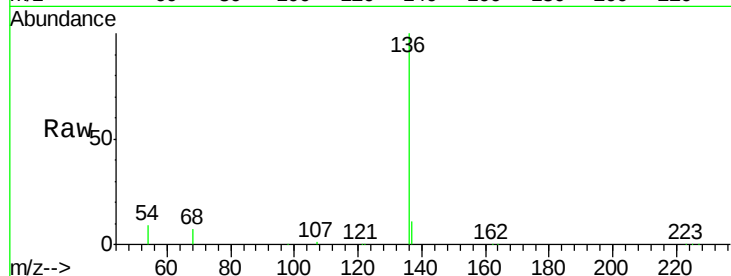
Tgt Ion: 136 Resp: 754799

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

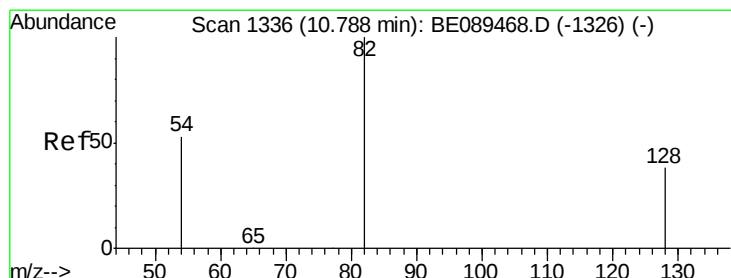
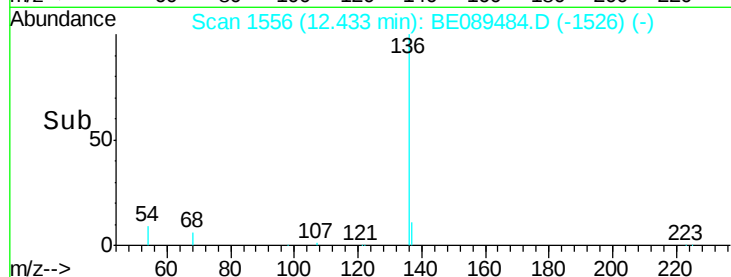
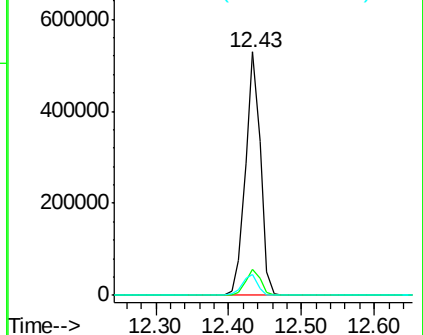
54 8.8 5.4 8.0#



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: 5.79 ng

RT: 10.80 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

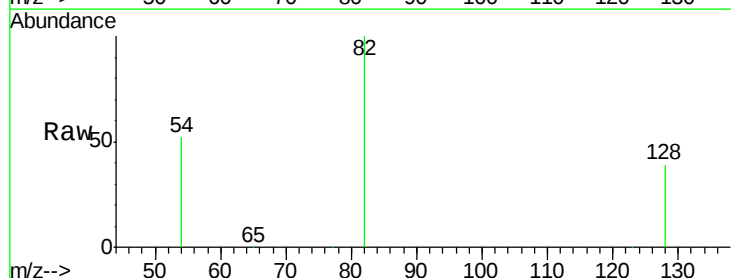
Tgt Ion: 82 Resp: 330281

Ion Ratio Lower Upper

82 100

128 39.2 30.3 45.5

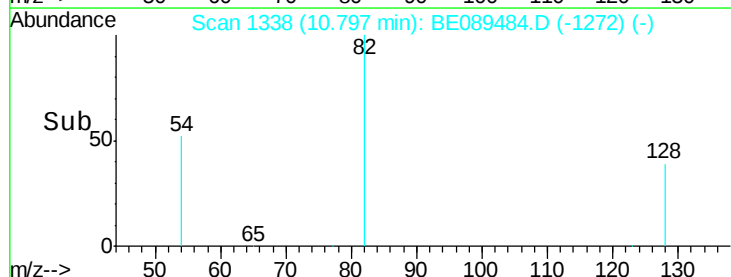
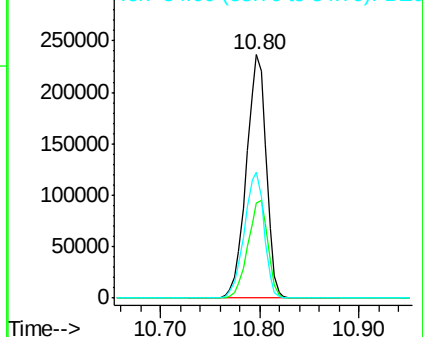
54 51.9 43.1 64.7

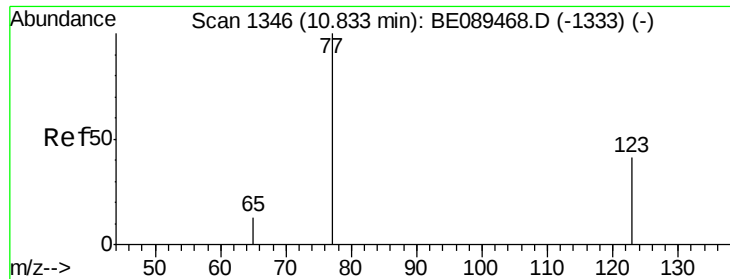


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.02 ng

RT: 10.80 min Scan# 1338

Delta R.T. -0.04 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

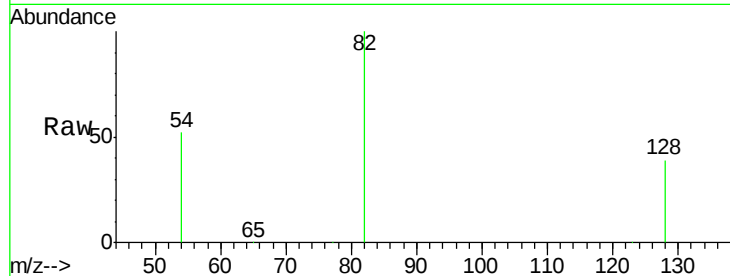
Tgt Ion: 77 Resp: 1104

Ion Ratio Lower Upper

77 100

123 0.0 33.4 50.0#

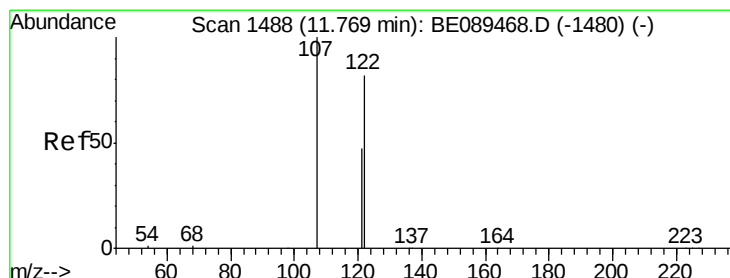
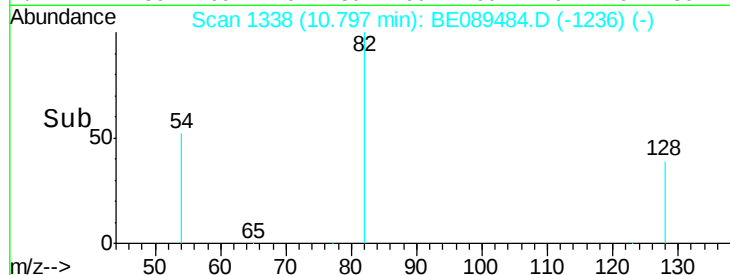
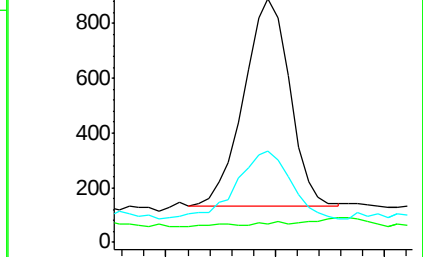
65 36.2 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.00 ng

RT: 11.78 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

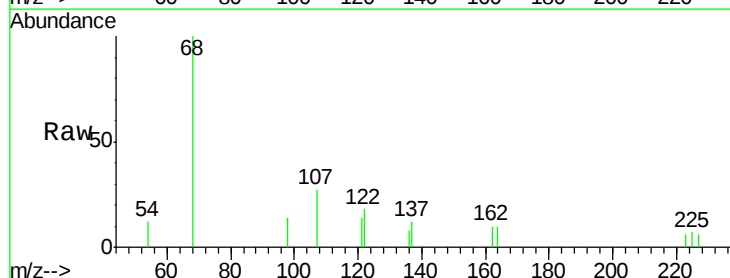
Tgt Ion: 122 Resp: 186

Ion Ratio Lower Upper

122 100

107 147.0 97.3 145.9#

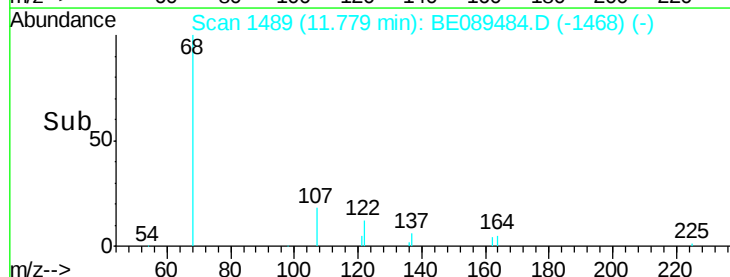
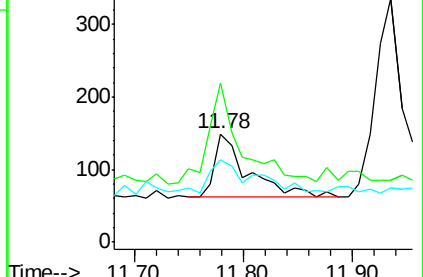
121 75.8 46.4 69.6#

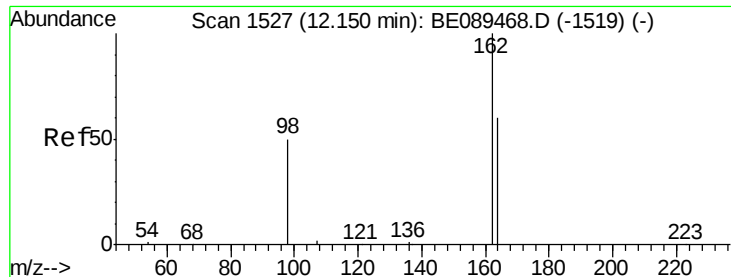


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

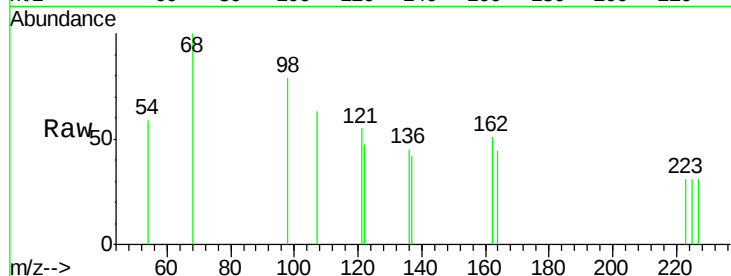




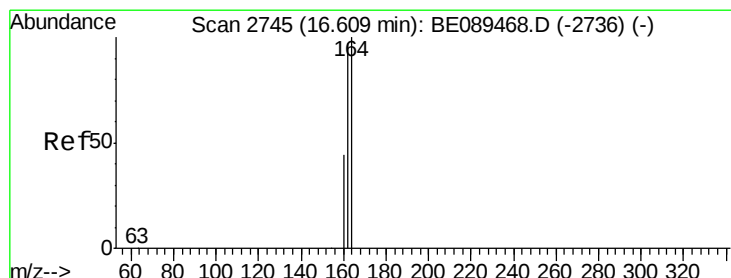
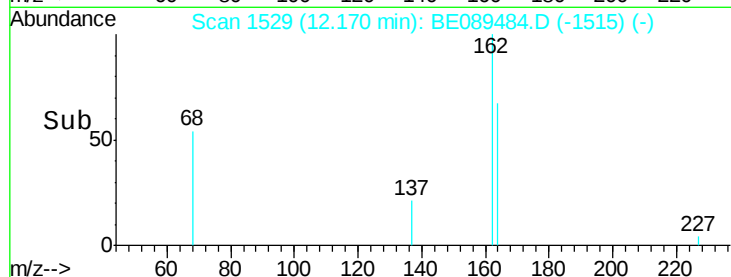
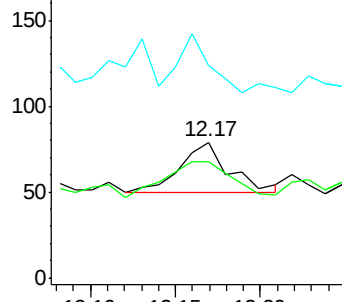
#11
2,4-Dichlorophenol
Concen: 0.00 ng
RT: 12.17 min Scan# 1529
Delta R.T. 0.02 min
Lab File: BE089484.D
Acq: 4 Feb 2015 5:21

Instrument :
BNA_E
ClientSampleId :
MPE-9

Tgt Ion:162 Resp: 57
Ion Ratio Lower Upper
162 100
164 86.1 39.9 79.9#
98 157.0 31.3 71.3#

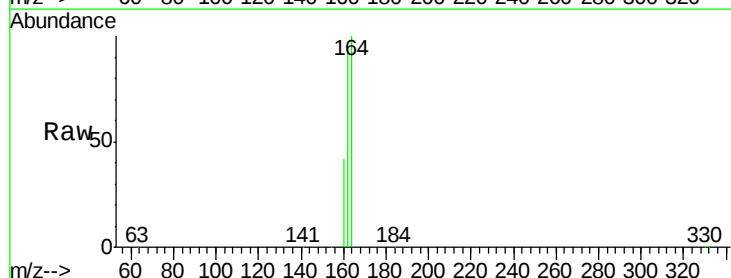


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

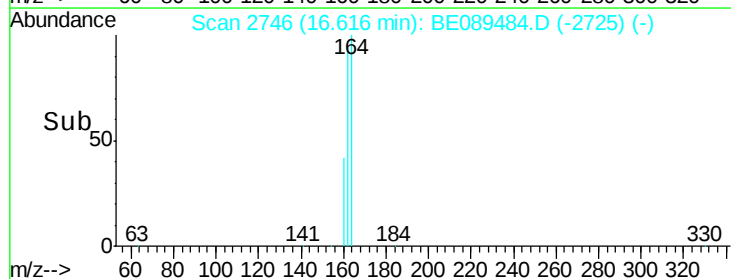
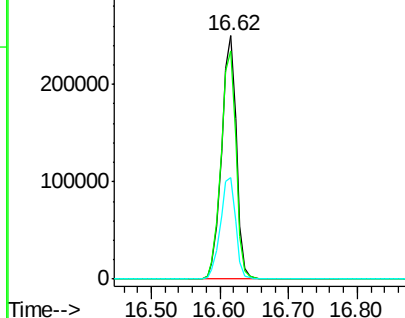


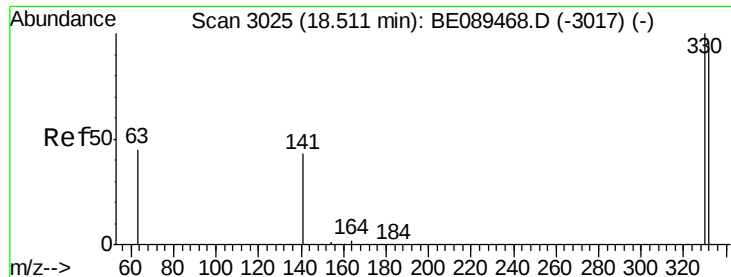
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.62 min Scan# 2746
Delta R.T. 0.01 min
Lab File: BE089484.D
Acq: 4 Feb 2015 5:21

Tgt Ion:164 Resp: 370822
Ion Ratio Lower Upper
164 100
162 93.5 77.6 116.4
160 41.8 35.6 53.4



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

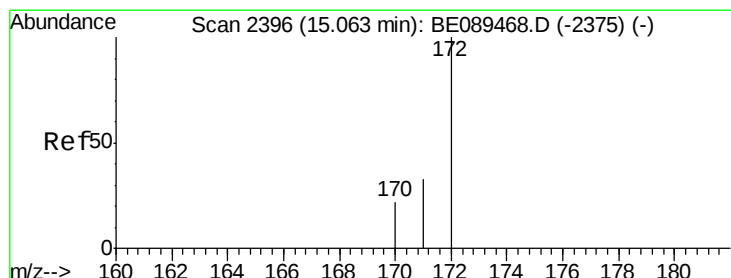
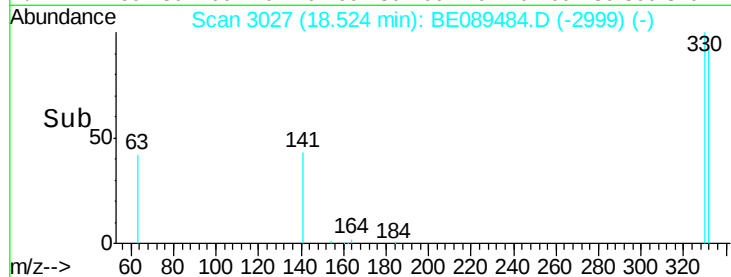
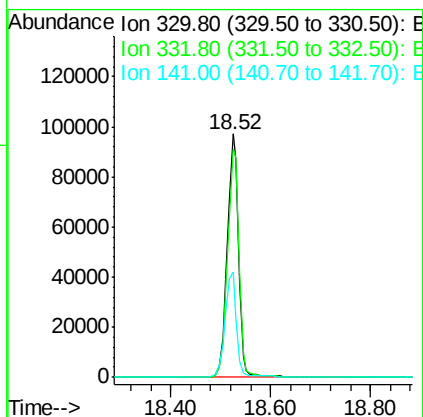
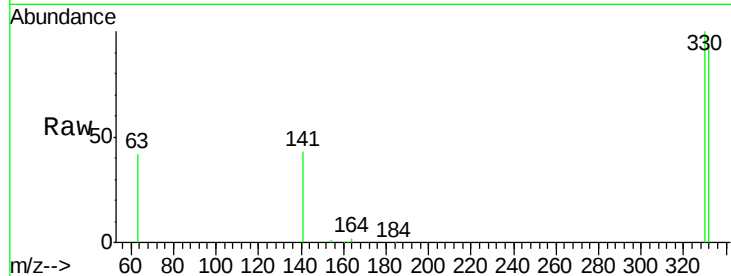




#14
 2,4,6-Tribromophenol
 Concen: 9.50 ng
 RT: 18.52 min Scan# 3027
 Delta R.T. 0.01 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

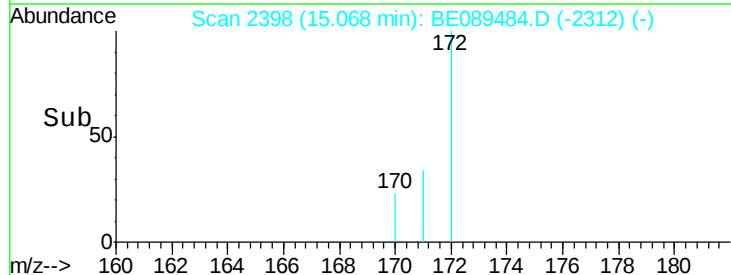
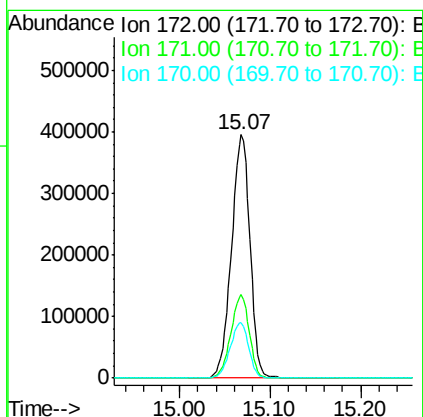
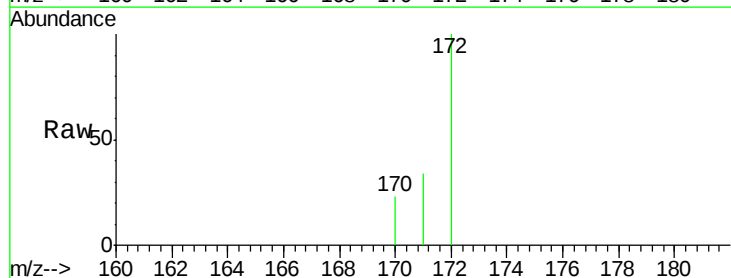
Instrument :
 BNA_E
 ClientSampleId :
 MPE-9

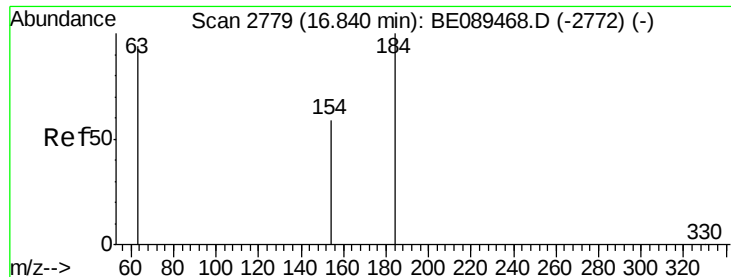
Tgt Ion: 330 Resp: 152495
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.0 117.0
 141 43.3 33.8 50.6



#15
 2-Fluorobiphenyl
 Concen: 5.71 ng
 RT: 15.07 min Scan# 2398
 Delta R.T. 0.01 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

Tgt Ion: 172 Resp: 557626
 Ion Ratio Lower Upper
 172 100
 171 34.3 26.8 40.2
 170 22.7 17.7 26.5

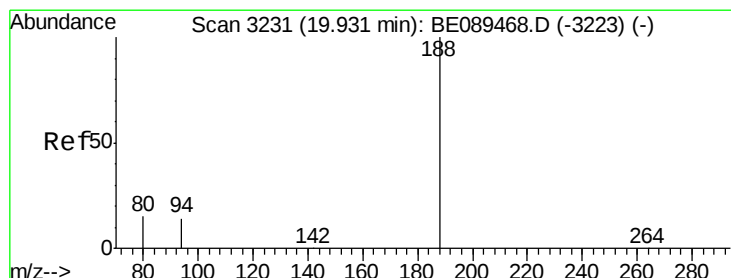
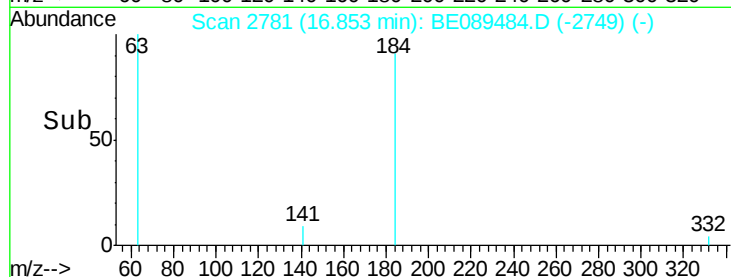
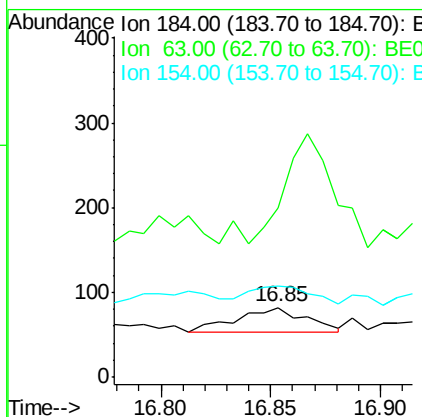
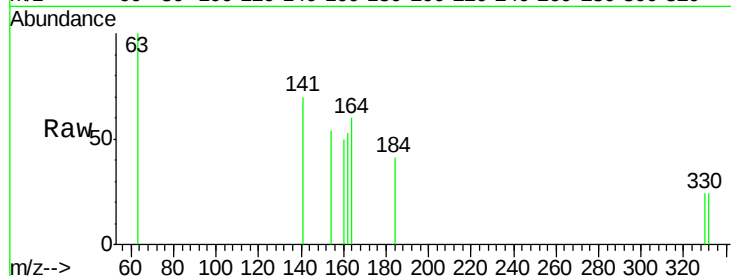




#16
 2,4-Dinitrophenol
 Concen: 0.42 ng
 RT: 16.85 min Scan# 2781
 Delta R.T. 0.01 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

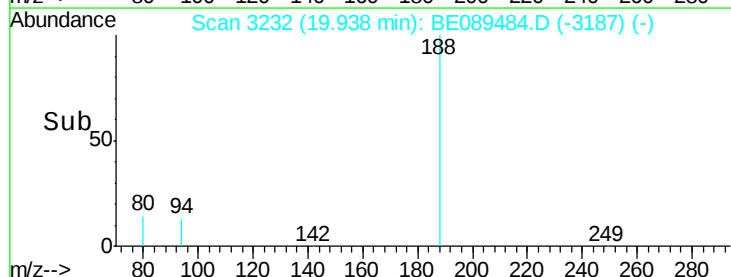
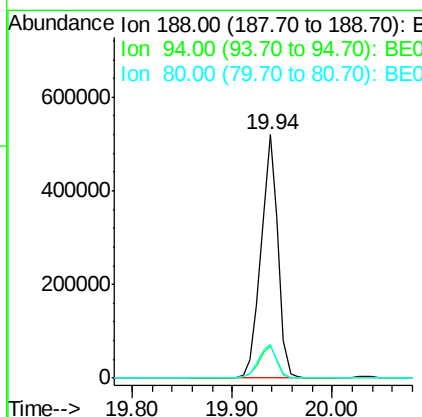
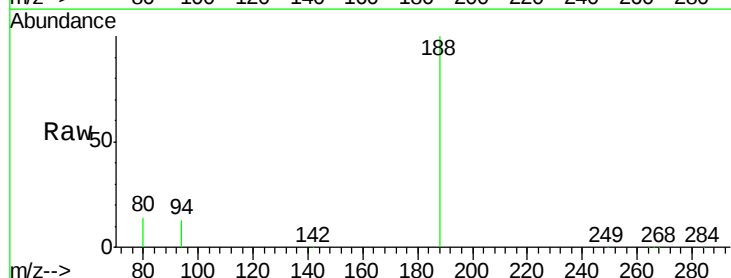
Instrument :
 BNA_E
 ClientSampleId :
 MPE-9

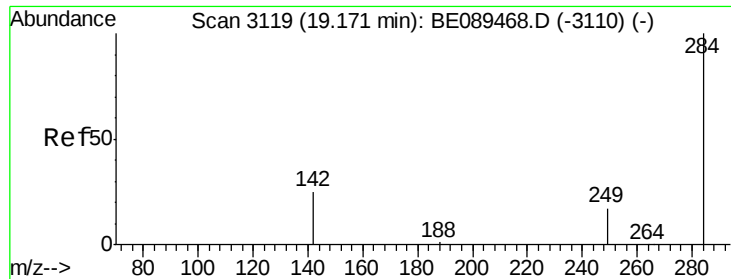
Tgt Ion:184 Resp: 63
 Ion Ratio Lower Upper
 184 100
 63 242.7 92.1 138.1#
 154 131.7 61.4 92.2#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.94 min Scan# 3232
 Delta R.T. 0.01 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

Tgt Ion:188 Resp: 617044
 Ion Ratio Lower Upper
 188 100
 94 13.1 11.1 16.7
 80 14.0 11.8 17.6





#18

Hexachlorobenzene

Concen: 0.00 ng

RT: 19.17 min Scan# 3119

Delta R.T. 0.00 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

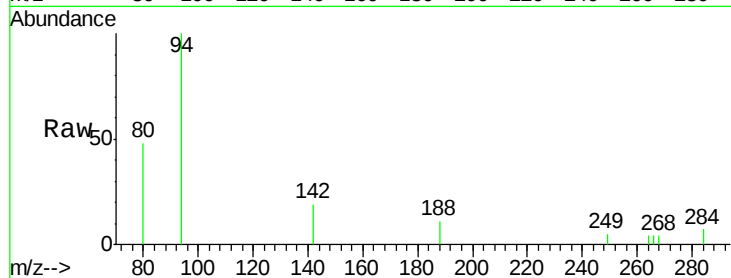
Tgt Ion:284 Resp: 52

Ion Ratio Lower Upper

284 100

142 281.9 24.4 36.6#

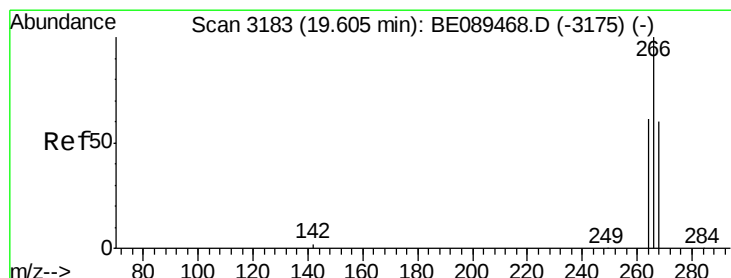
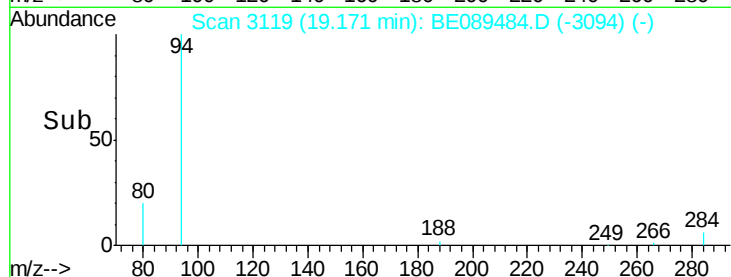
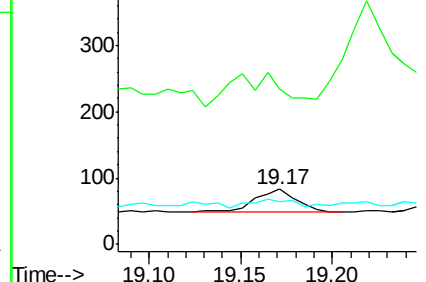
249 78.3 18.2 27.2#



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#19

Pentachlorophenol

Concen: 2.00 ng

RT: 19.61 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

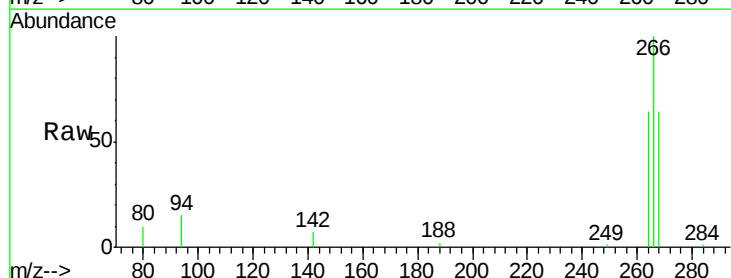
Tgt Ion:266 Resp: 12274

Ion Ratio Lower Upper

266 100

268 63.8 50.0 75.0

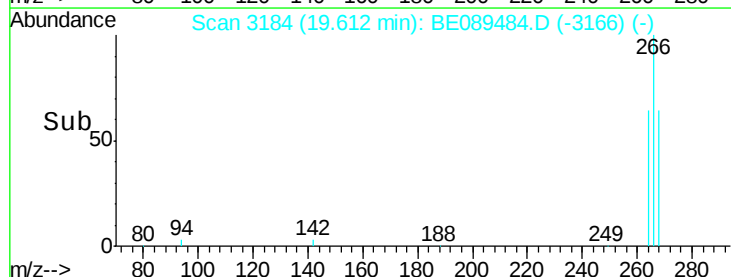
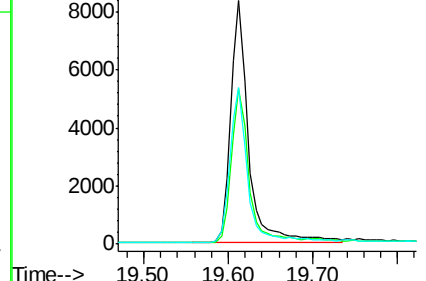
264 64.1 50.6 75.8

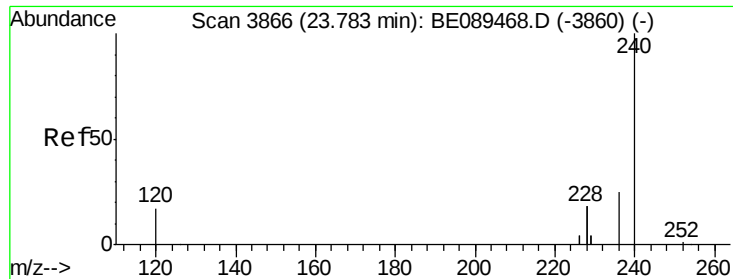


Abundance Ion 265.70 (265.40 to 266.40): E

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# 3867

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

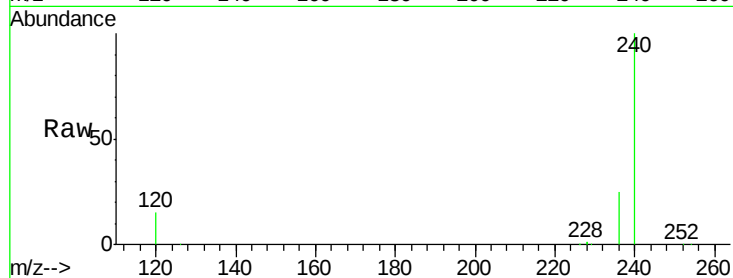
Tgt Ion:240 Resp: 553690

Ion Ratio Lower Upper

240 100

120 14.6 13.8 20.6

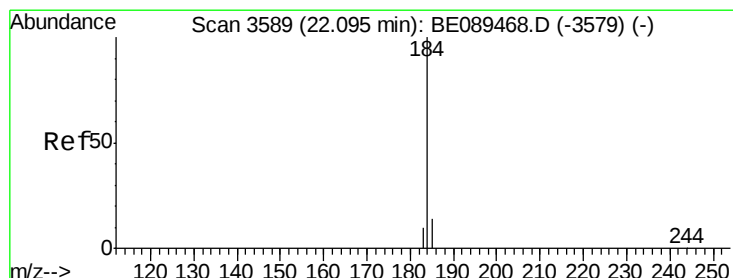
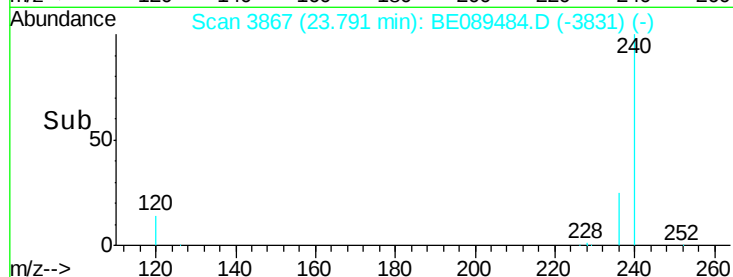
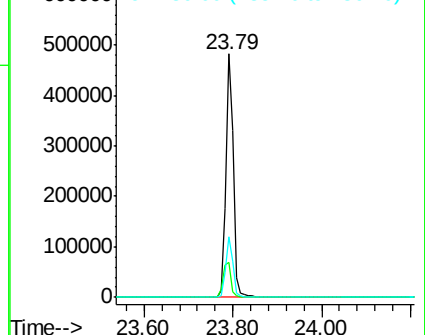
236 25.1 20.2 30.2



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: 0.09 ng

RT: 22.10 min Scan# 3591

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

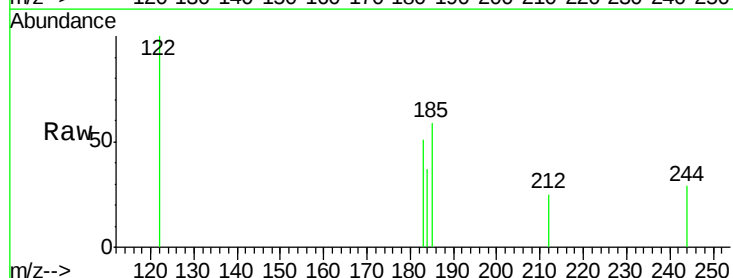
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

185 158.0 12.0 18.0#

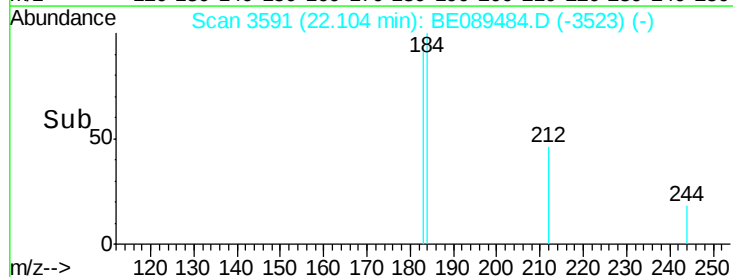
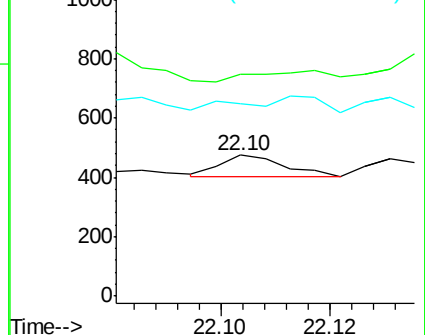
183 136.7 9.0 13.4#

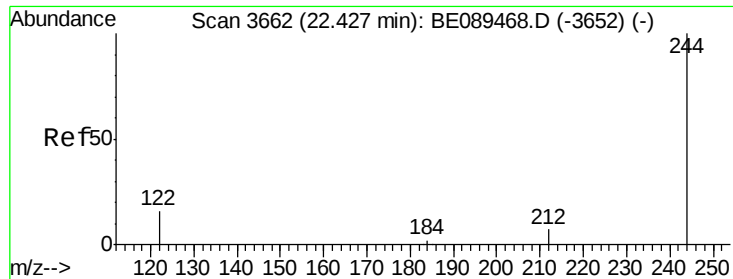


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

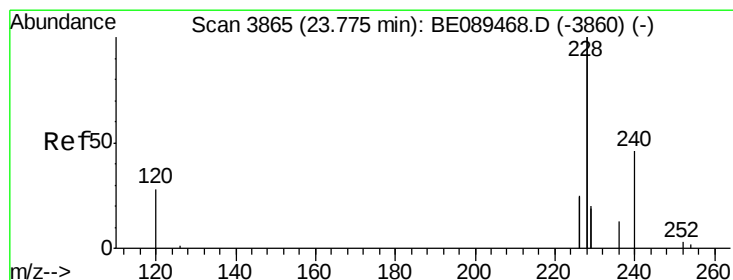
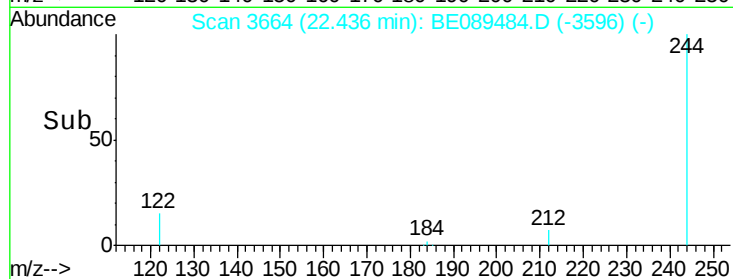
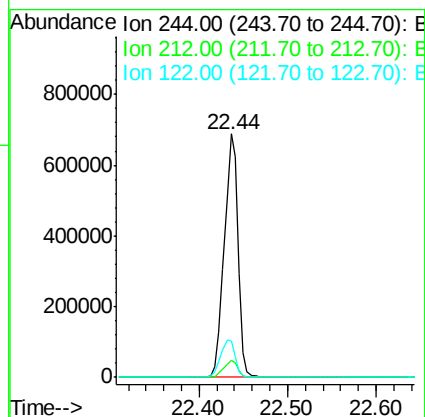
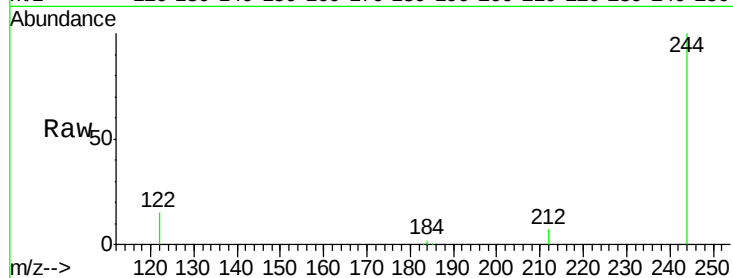




#22
 Terphenyl-d14
 Concen: 9.41 ng
 RT: 22.44 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

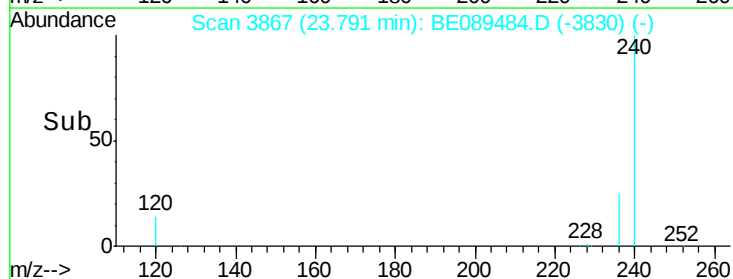
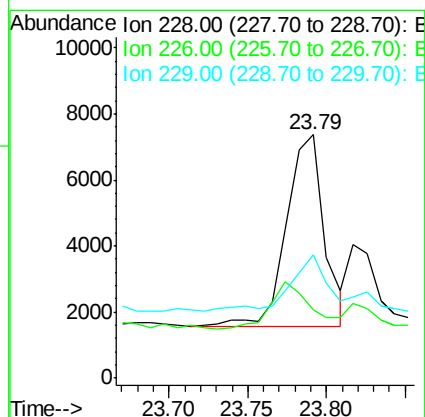
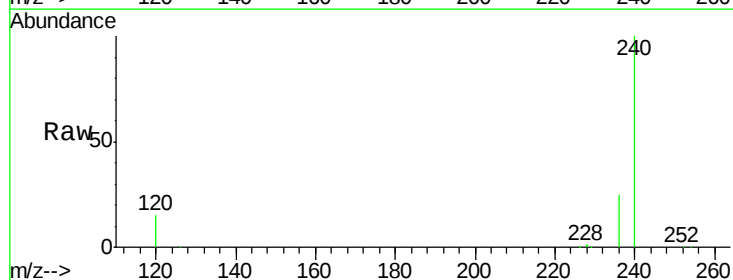
Instrument :
 BNA_E
 ClientSampleId :
 MPE-9

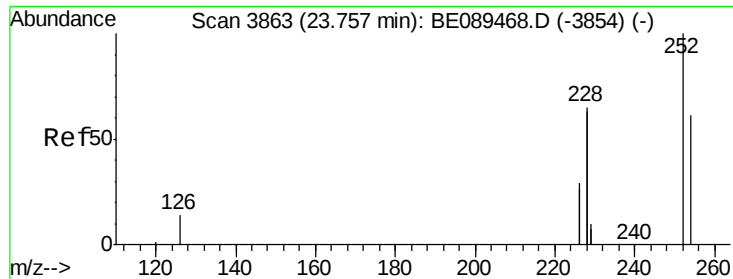
Tgt Ion: 244 Resp: 738558
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 15.1 12.6 19.0



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.79 min Scan# 3867
 Delta R.T. 0.02 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

Tgt Ion: 228 Resp: 9649
 Ion Ratio Lower Upper
 228 100
 226 27.9 19.6 29.4
 229 50.8 15.9 23.9#

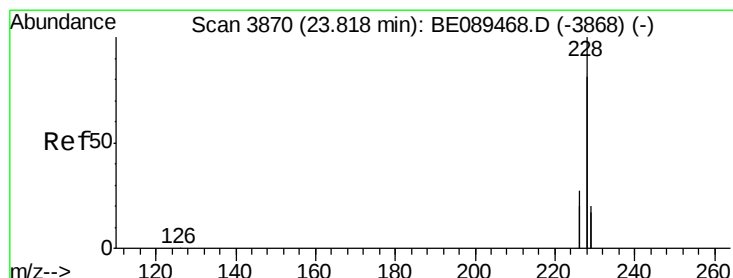
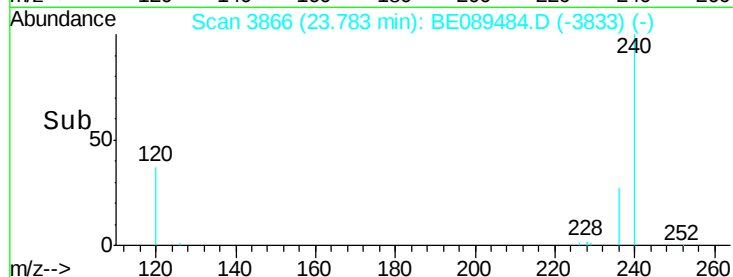
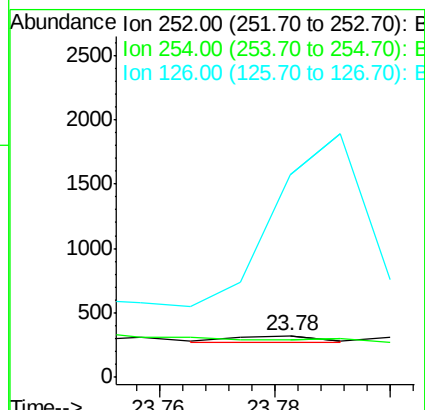
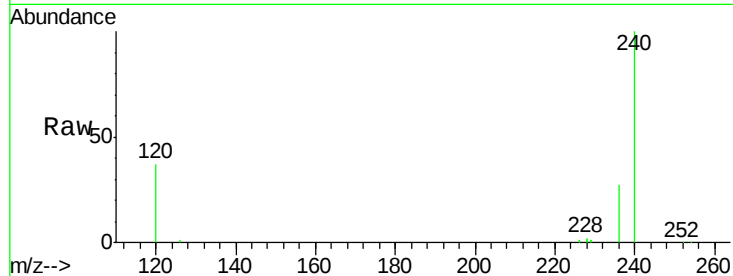




#24
 3,3'-Dichlorobenzidine
 Concen: 0.12 ng
 RT: 23.78 min Scan# 3866
 Delta R.T. 0.03 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

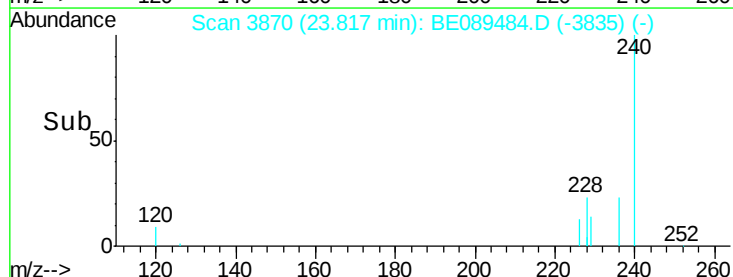
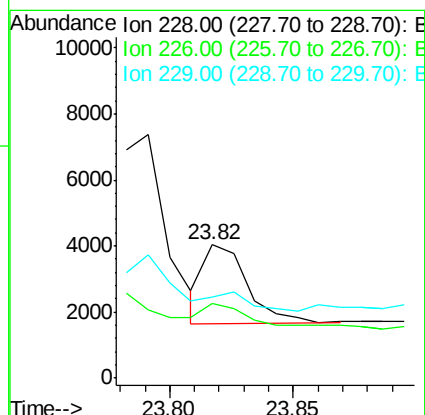
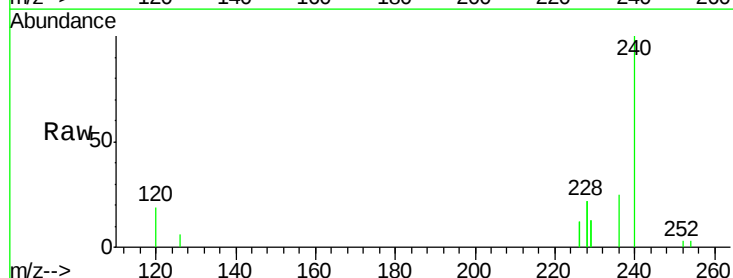
Instrument :
 BNA_E
 ClientSampleId :
 MPE-9

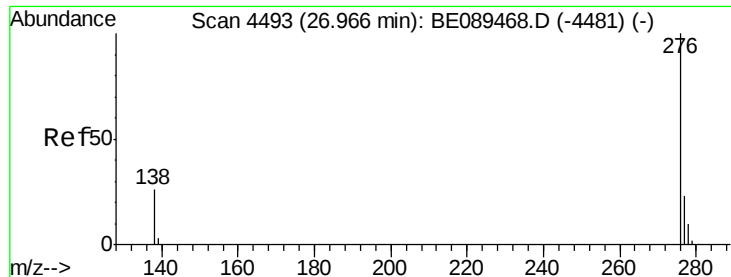
Tgt Ion: 252 Resp: 53
 Ion Ratio Lower Upper
 252 100
 254 91.9 48.6 73.0#
 126 491.3 12.4 18.6#



#25
 Chrysene
 Concen: 0.01 ng
 RT: 23.82 min Scan# 3870
 Delta R.T. -0.00 min
 Lab File: BE089484.D
 Acq: 4 Feb 2015 5:21

Tgt Ion: 228 Resp: 2976
 Ion Ratio Lower Upper
 228 100
 226 55.8 21.8 32.8#
 229 60.8 16.2 24.2#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng

RT: 26.97 min Scan# 4493

Delta R.T. 0.00 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

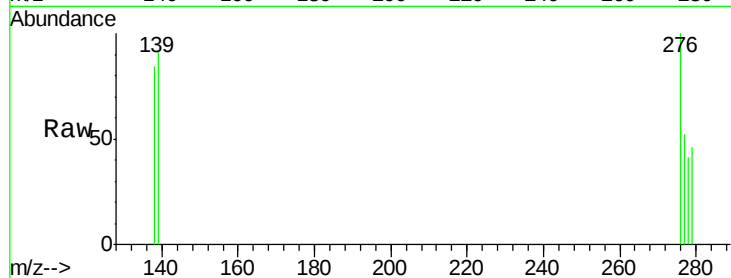
Tgt Ion: 276 Resp: 1156

Ion Ratio Lower Upper

276 100

138 10.6 24.2 36.4#

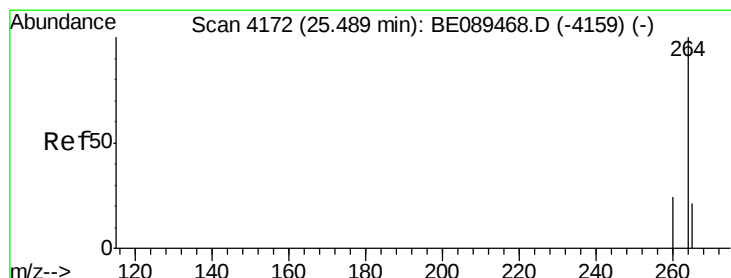
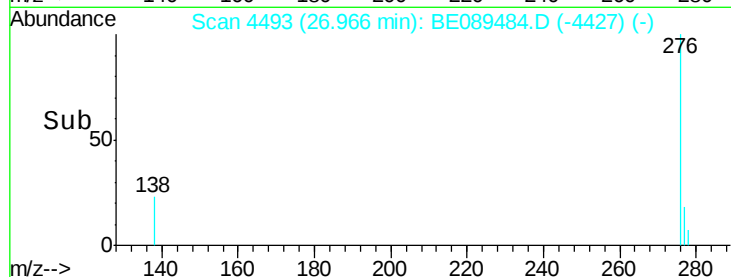
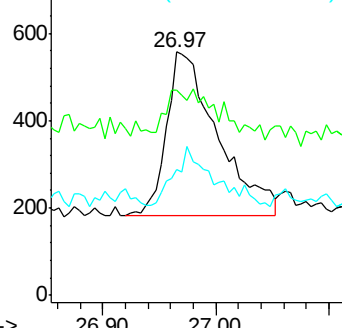
277 28.6 19.9 29.9



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: 25.50 min Scan# 4174

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

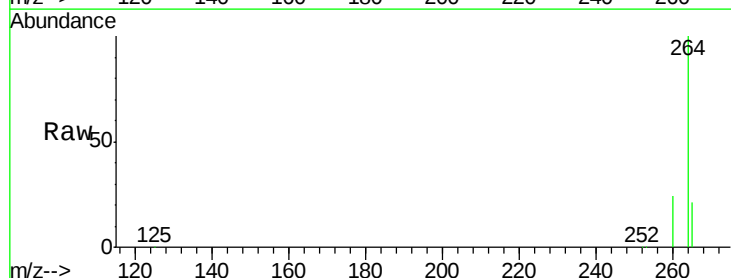
Tgt Ion: 264 Resp: 523272

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

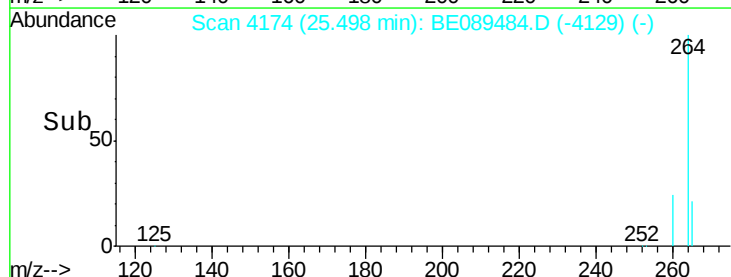
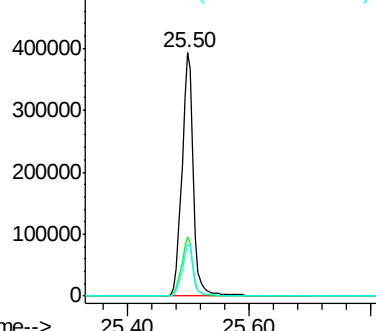
265 21.2 17.0 25.6

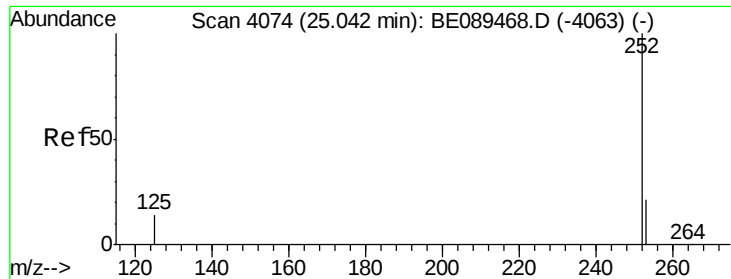


Abundance Ion 264.00 (263.70 to 264.70): E

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# 4075

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

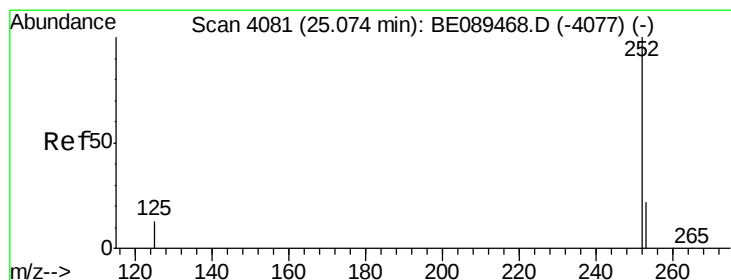
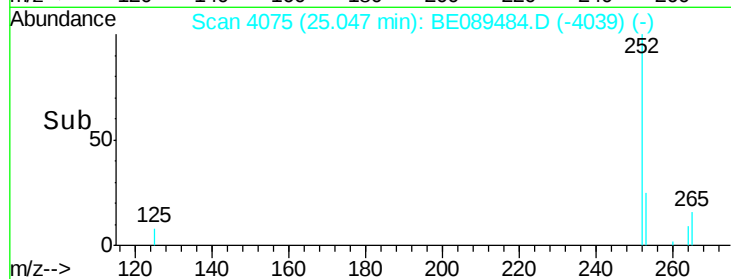
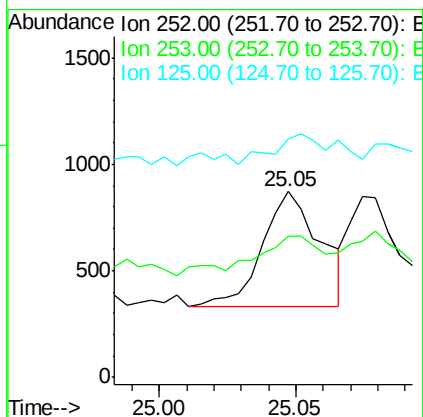
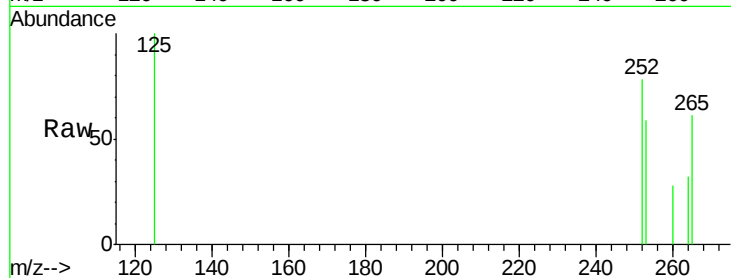
Tgt Ion:252 Resp: 801

Ion Ratio Lower Upper

252 100

253 75.9 17.4 26.2#

125 128.2 11.3 16.9#



#29

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.07 min Scan# 4081

Delta R.T. 0.00 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

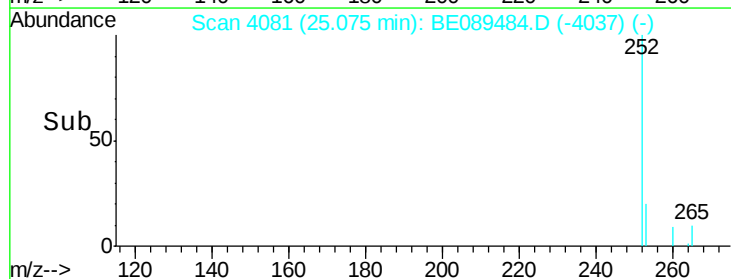
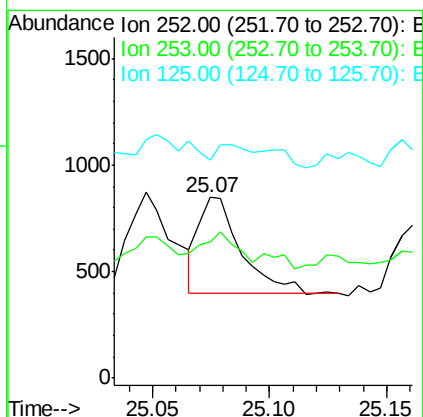
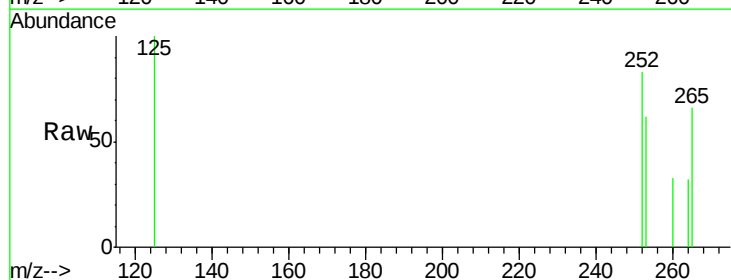
Tgt Ion:252 Resp: 556

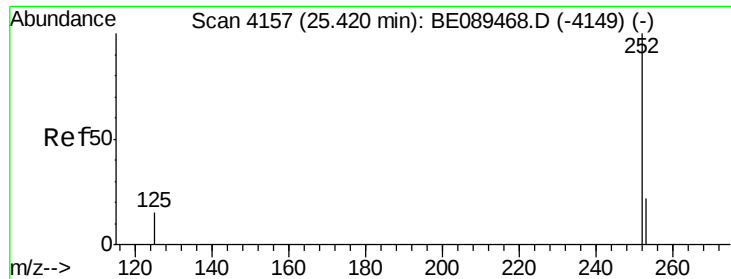
Ion Ratio Lower Upper

252 100

253 75.1 17.9 26.9#

125 120.6 10.6 15.8#





#30

Benzo(a)pyrene

Concen: 0.18 ng

RT: 25.42 min Scan# 4157

Delta R.T. 0.00 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Instrument :

BNA_E

ClientSampleId :

MPE-9

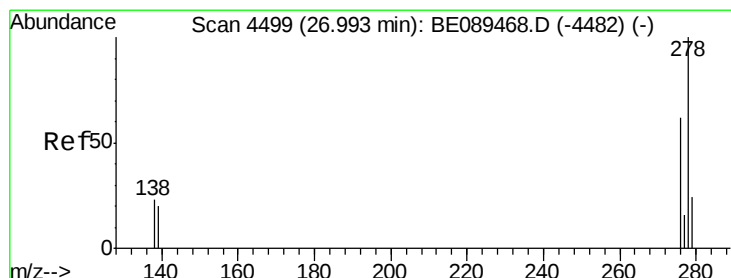
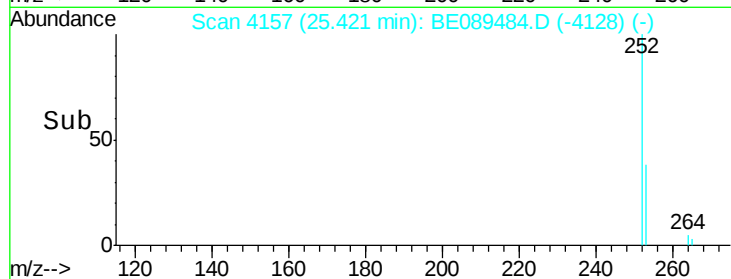
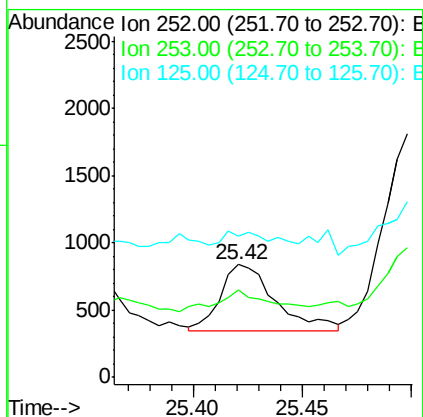
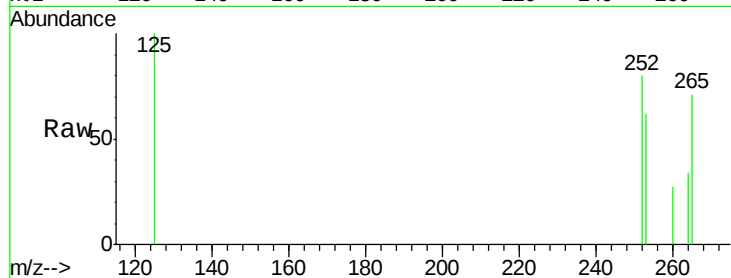
Tgt Ion: 252 Resp: 859

Ion Ratio Lower Upper

252 100

253 77.5 18.2 27.2#

125 125.1 12.2 18.4#



#31

Dibenzo(a,h)anthracene

Concen: 0.16 ng

RT: 27.00 min Scan# 4501

Delta R.T. 0.01 min

Lab File: BE089484.D

Acq: 4 Feb 2015 5:21

Tgt Ion: 278 Resp: 819

Ion Ratio Lower Upper

278 100

139 121.4 16.8 25.2#

279 71.8 19.4 29.0#

