

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089483.D
 Acq On : 4 Feb 2015 4:42
 Operator : TP/IZ
 Sample : G1110-10
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

Quant Time: Feb 04 06:28:23 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	166908	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	665014	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	328846	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	549972	5.00	ng	0.00
20) Chrysene-d12	23.79	240	494322	5.00	ng	0.00
27) Perylene-d12	25.50	264	461759	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	169682	3.14	ng	0.00
4) Phenol-d6	8.85	99	133979	1.98	ng	0.00
8) Nitrobenzene-d5	10.80	82	403318	8.02	ng	0.01
14) 2,4,6-Tribromophenol	18.53	330	150913	10.58	ng	0.02
15) 2-Fluorobiphenyl	15.07	172	604372	6.98	ng	0.00
22) Terphenyl-d14	22.44	244	702375	10.02	ng	0.01

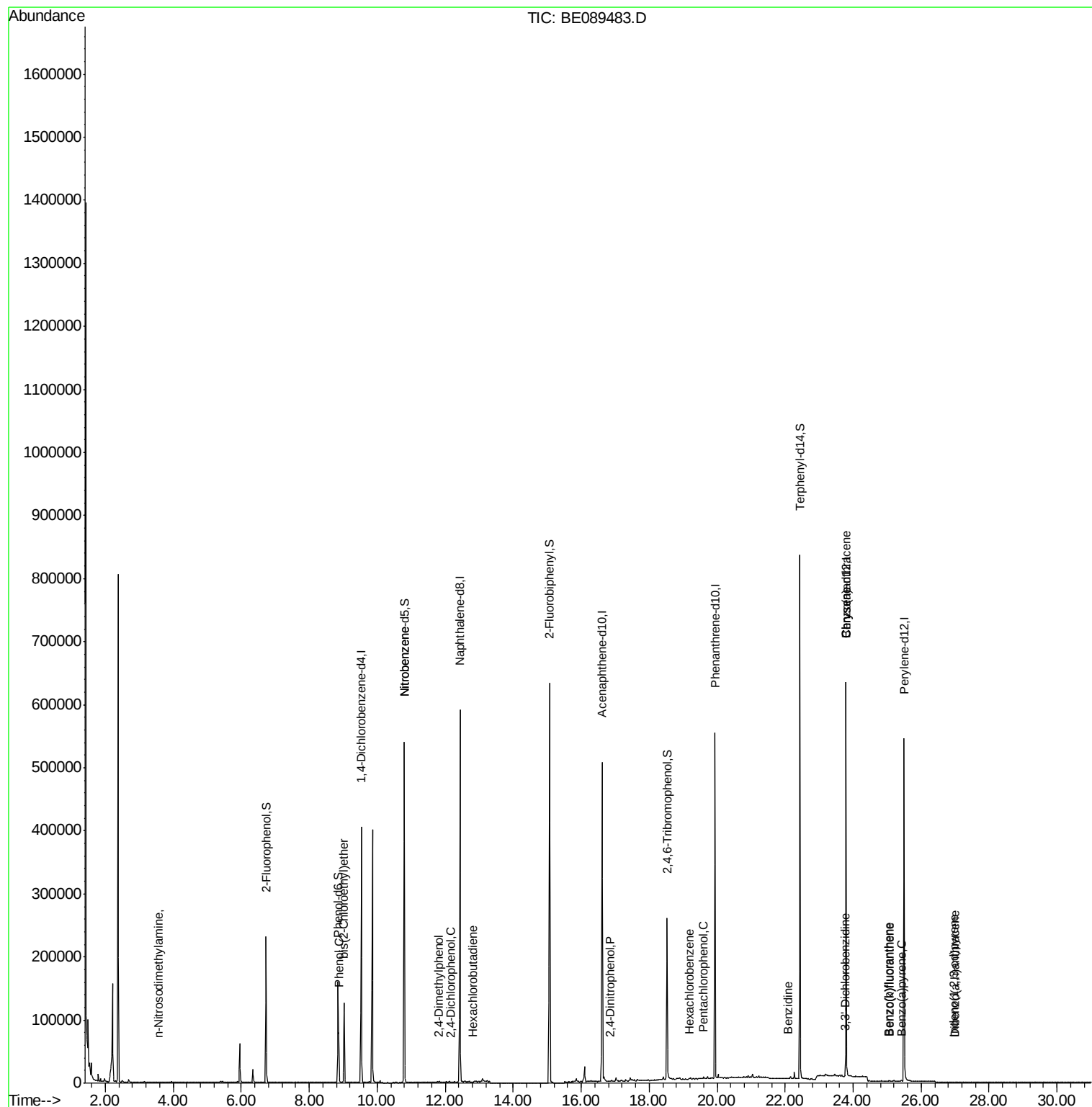
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.55	42	85	0.09	ng	# 1
5) Phenol	8.87	94	40443	0.55	ng	# 58
6) bis(2-Chloroethyl)ether	9.03	93	604	0.01	ng	# 1
9) Nitrobenzene	10.80	77	1666	0.03	ng	# 38
10) 2,4-Dimethylphenol	11.81	122	735	0.02	ng	# 91
11) 2,4-Dichlorophenol	12.15	162	121	0.00	ng	# 1
12) Hexachlorobutadiene	12.81	225	20	0.00	ng	# 19
16) 2,4-Dinitrophenol	16.85	184	36	0.41	ng	# 1
18) Hexachlorobenzene	19.17	284	45	0.00	ng	# 1
19) Pentachlorophenol	19.61	266	300	0.40	ng	# 93
21) Benzidine	22.11	184	144	0.09	ng	# 1
23) Benzo(a)anthracene	23.78	228	9884	0.02	ng	# 55
24) 3,3'-Dichlorobenzidine	23.76	252	455	0.13	ng	# 8
25) Chrysene	23.78	228	9884	0.02	ng	# 60
26) Indeno(1,2,3-cd)pyrene	26.97	276	688	0.14	ng	# 87
28) Benzo(b)fluoranthene	25.05	252	585	0.19	ng	# 1
29) Benzo(k)fluoranthene	25.08	252	616	0.01	ng	# 1
30) Benzo(a)pyrene	25.43	252	585	0.18	ng	# 1
31) Dibenzo(a,h)anthracene	27.00	278	310	0.15	ng	# 1

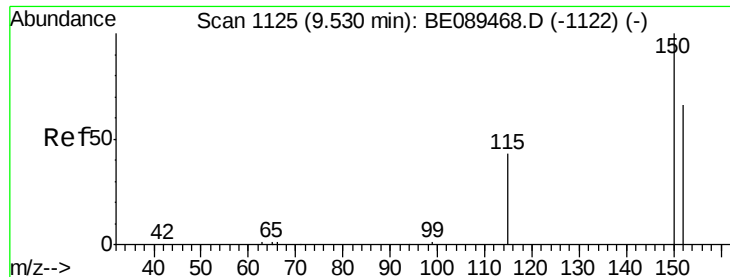
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 62 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MPE-15

Quant Time: Feb 04 06:28:23 2015
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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: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

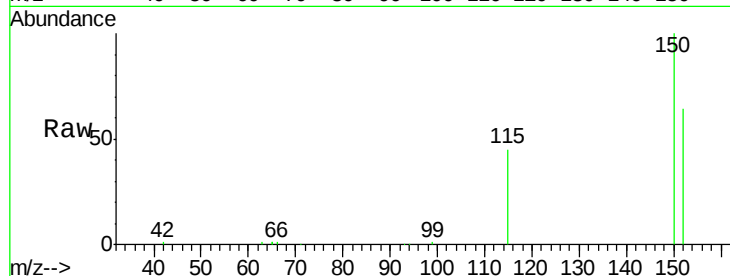
Tgt Ion:152 Resp: 166908

Ion Ratio Lower Upper

152 100

150 156.3 122.1 183.1

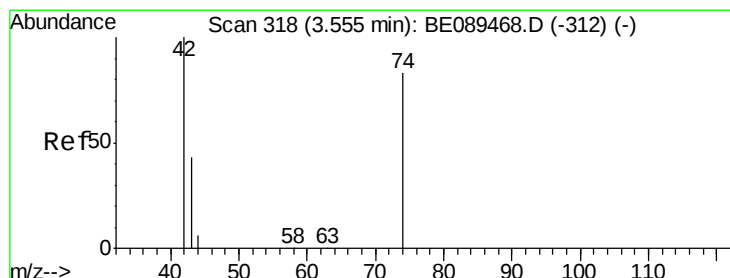
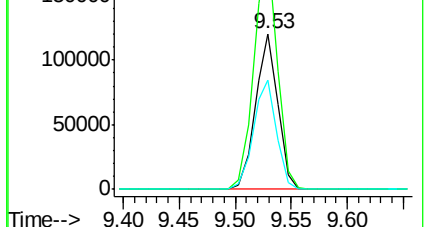
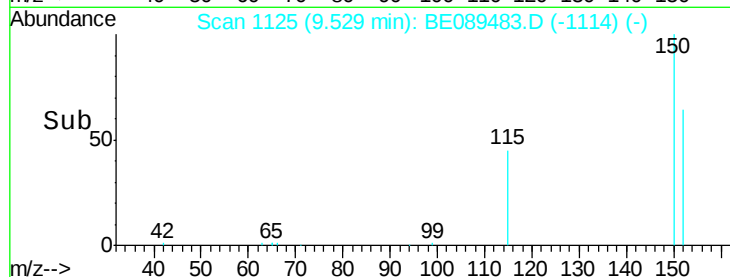
115 70.4 53.2 79.8



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: 3.55 min Scan# 318

Delta R.T. 0.00 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

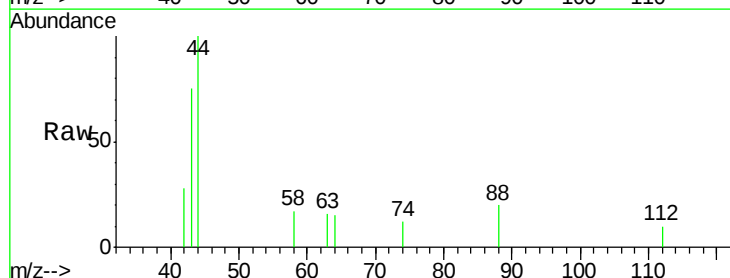
Tgt Ion: 42 Resp: 85

Ion Ratio Lower Upper

42 100

74 42.3 65.4 98.2#

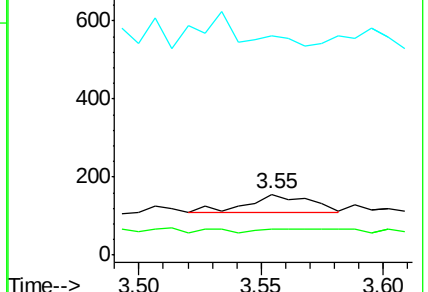
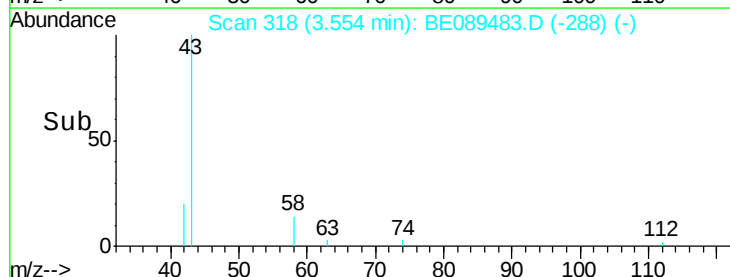
44 360.9 11.7 17.5#

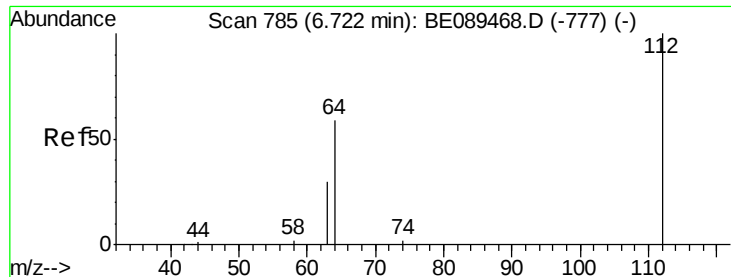


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

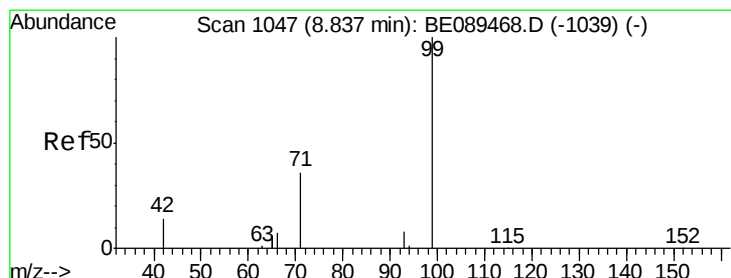
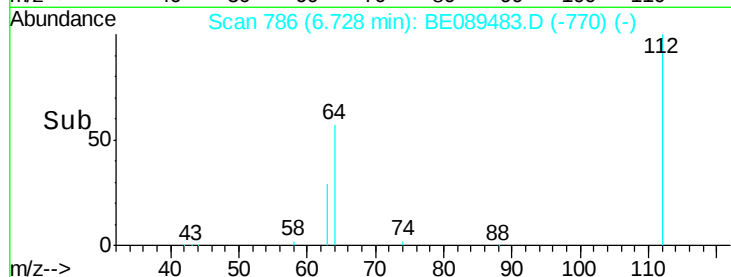
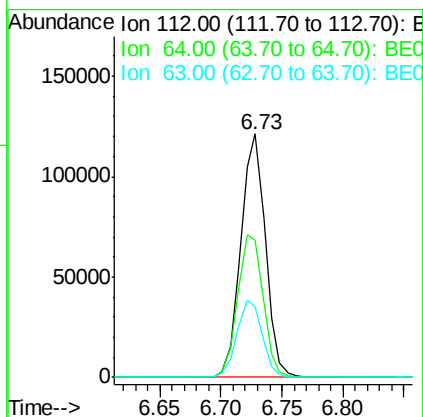
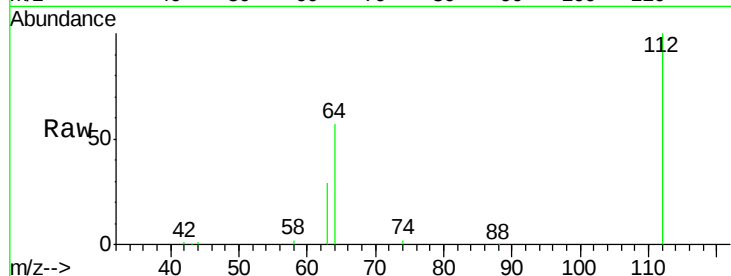




#3
 2-Fluorophenol
 Concen: 3.14 ng
 RT: 6.73 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

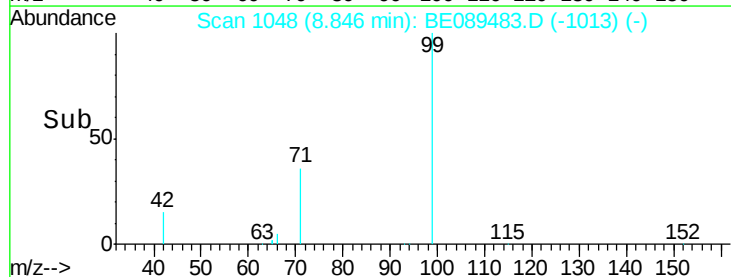
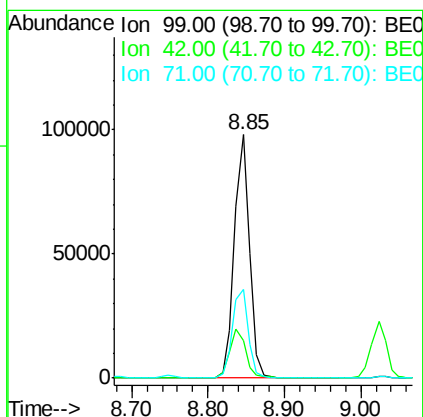
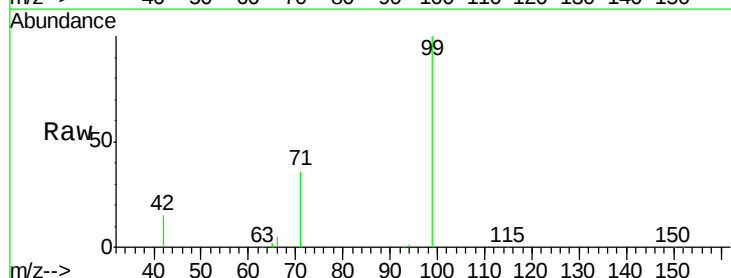
Instrument :
 BNA_E
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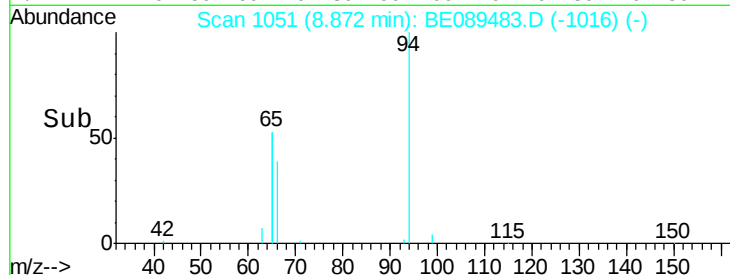
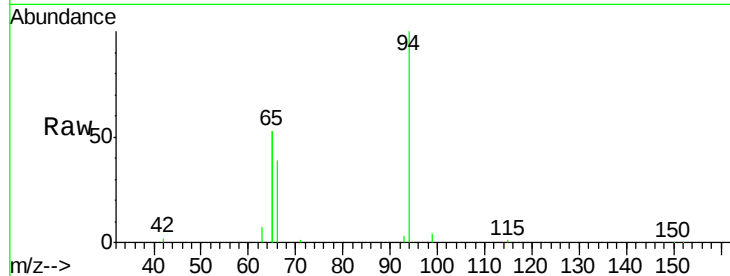
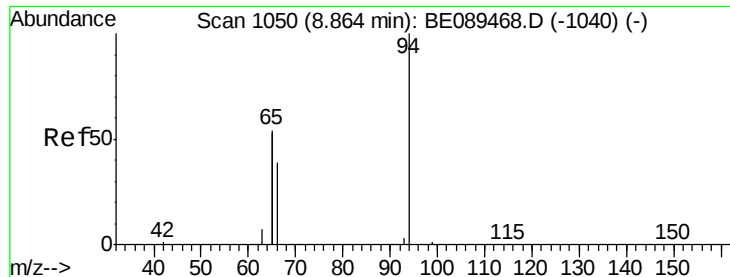
Tgt Ion: 112 Resp: 169682
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.0 70.6
 63 29.0 24.2 36.2



#4
 Phenol-d6
 Concen: 1.98 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

Tgt Ion: 99 Resp: 133979
 Ion Ratio Lower Upper
 99 100
 42 15.5 11.8 17.6
 71 36.4 28.7 43.1





#5

Phenol

Concen: 0.55 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

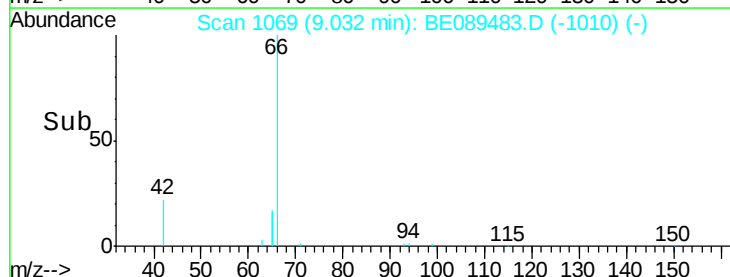
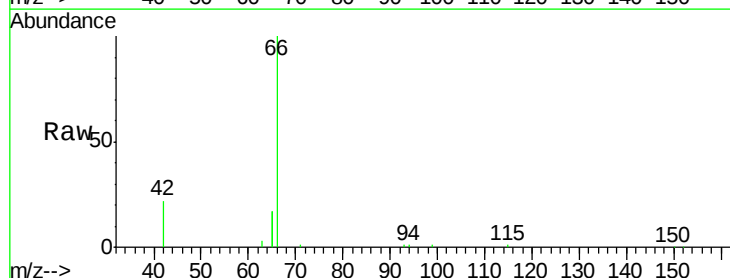
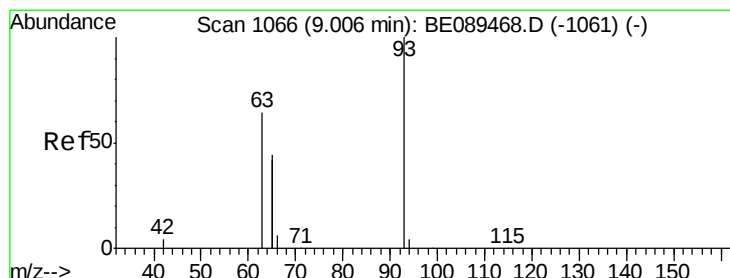
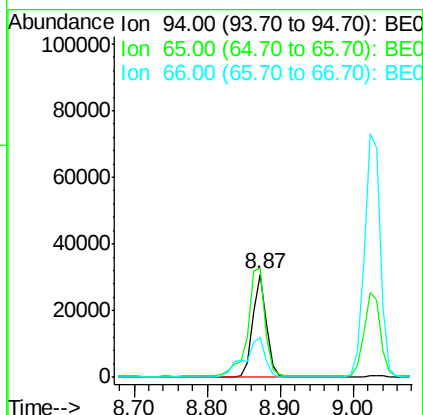
Tgt Ion: 94 Resp: 40443

Ion Ratio Lower Upper

94 100

65 105.7 33.9 73.9#

66 39.0 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: BE089483.D

Acq: 4 Feb 2015 4:42

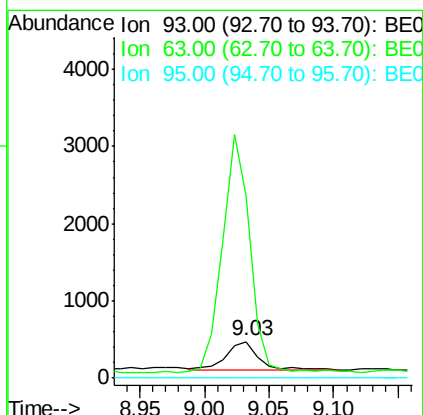
Tgt Ion: 93 Resp: 604

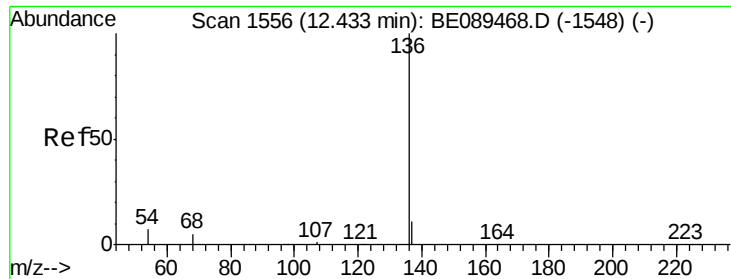
Ion Ratio Lower Upper

93 100

63 745.4 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: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

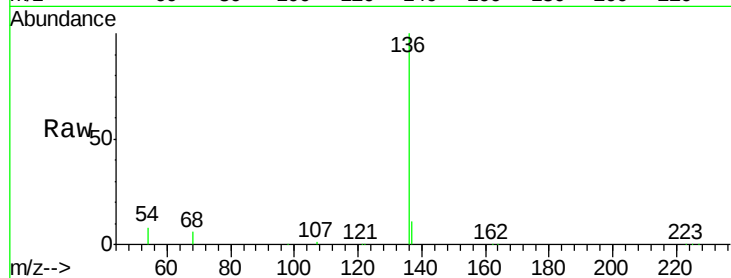
Tgt Ion: 136 Resp: 665014

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

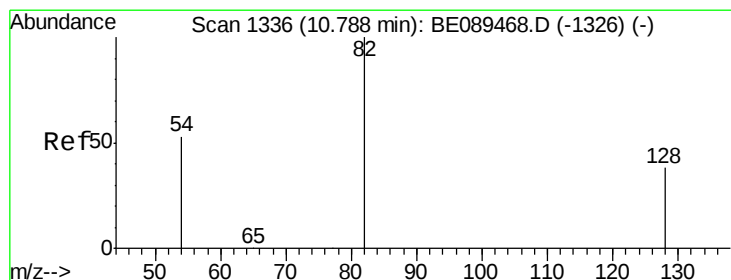
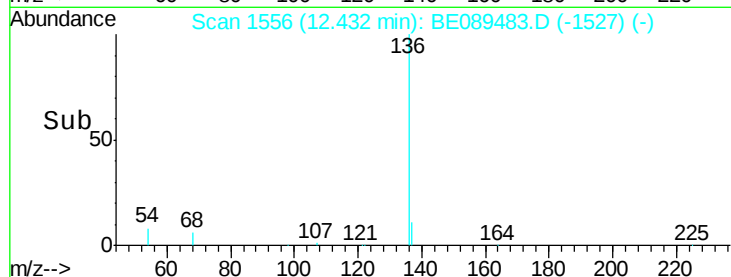
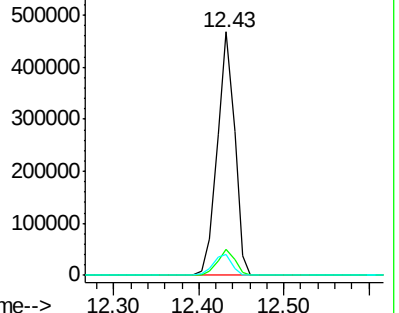
54 8.5 5.4 8.0#



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: 8.02 ng

RT: 10.80 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

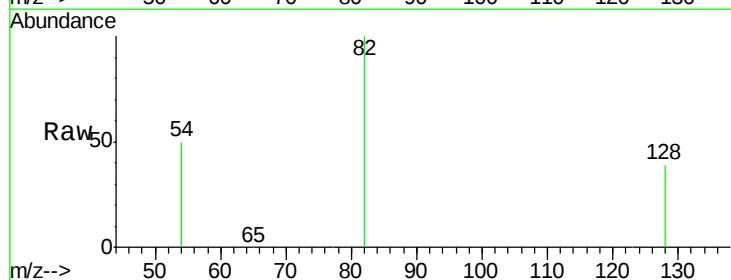
Tgt Ion: 82 Resp: 403318

Ion Ratio Lower Upper

82 100

128 39.3 30.3 45.5

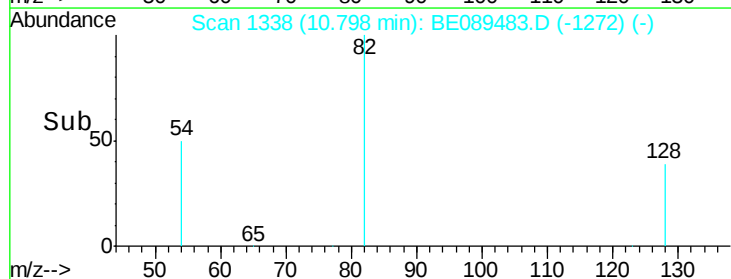
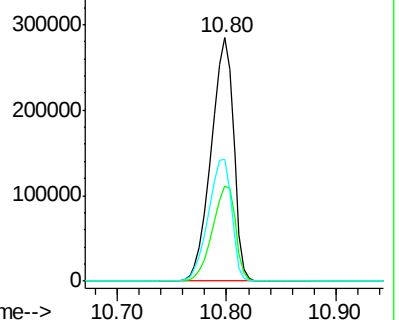
54 50.2 43.1 64.7

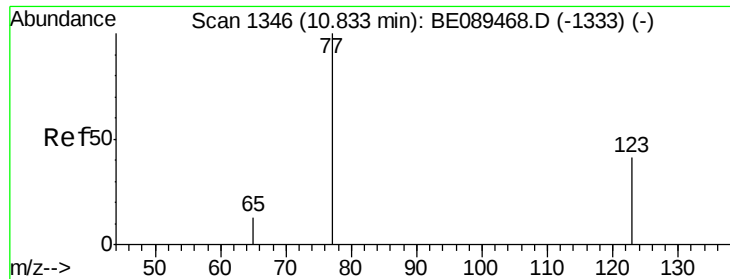


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.03 ng

RT: 10.80 min Scan# 1338

Delta R.T. -0.04 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

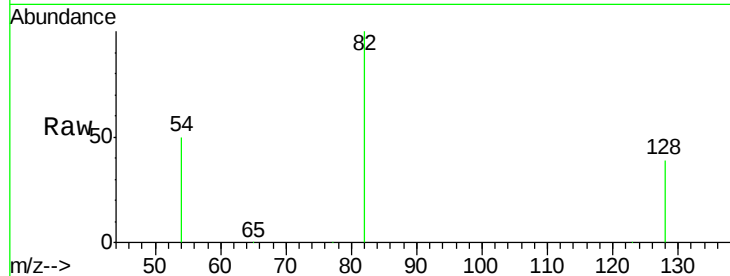
Tgt Ion: 77 Resp: 1666

Ion Ratio Lower Upper

77 100

123 3.7 33.4 50.0#

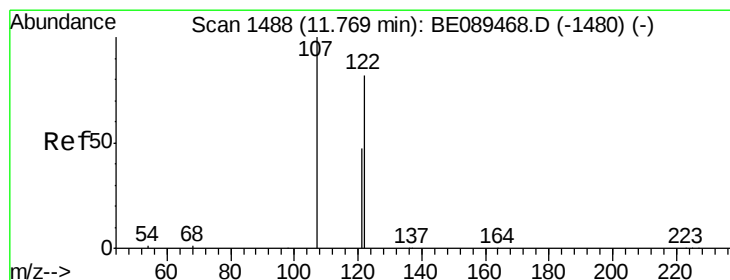
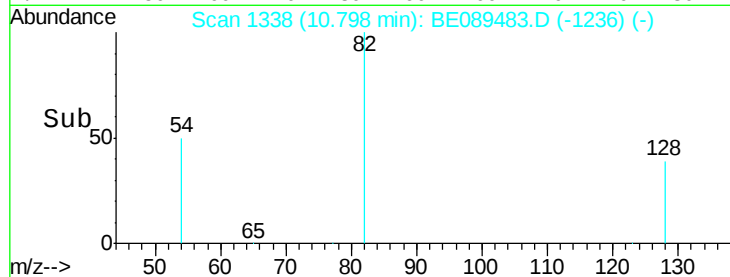
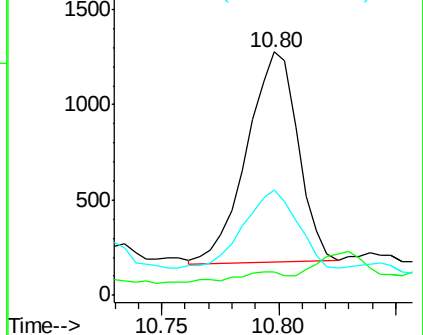
65 40.0 10.9 16.3#



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: 0.02 ng

RT: 11.81 min Scan# 1492

Delta R.T. 0.04 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

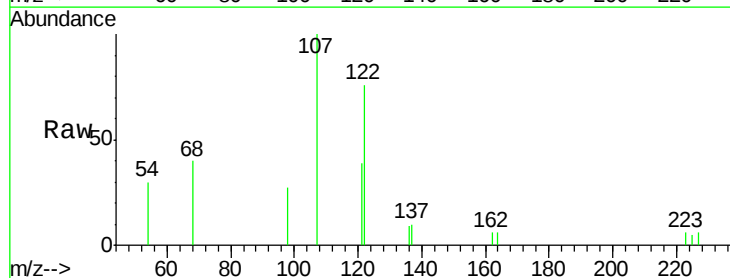
Tgt Ion: 122 Resp: 735

Ion Ratio Lower Upper

122 100

107 132.0 97.3 145.9

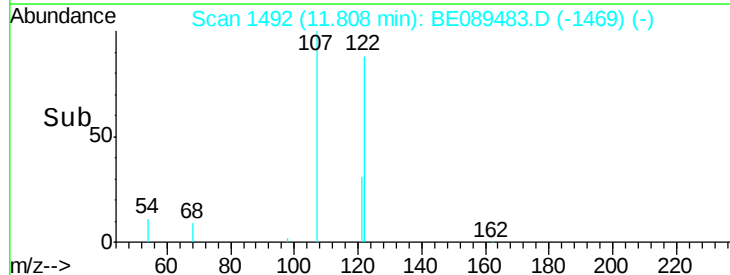
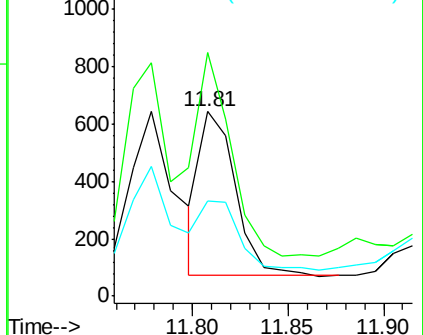
121 51.8 46.4 69.6

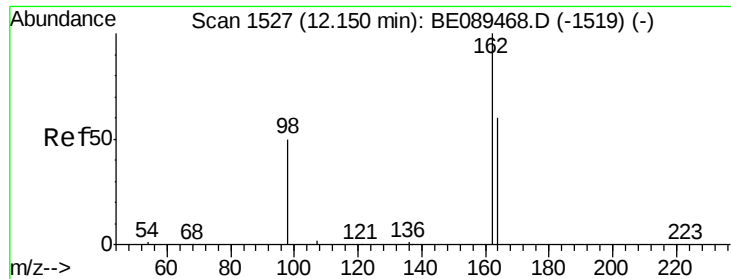


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

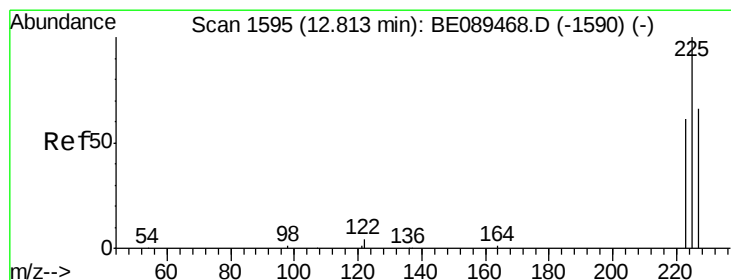
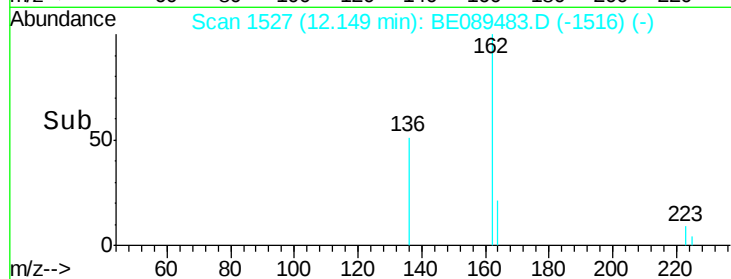
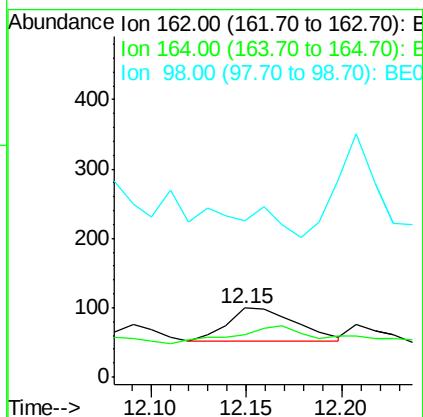
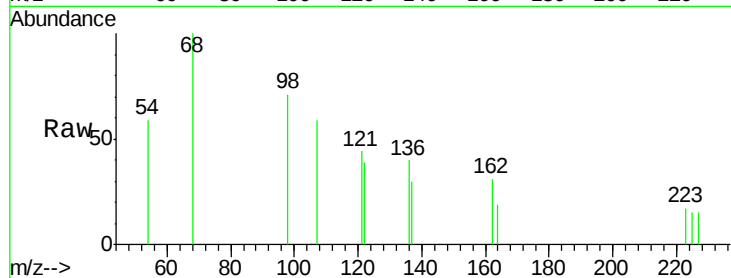




#11
 2,4-Dichlorophenol
 Concen: 0.00 ng
 RT: 12.15 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

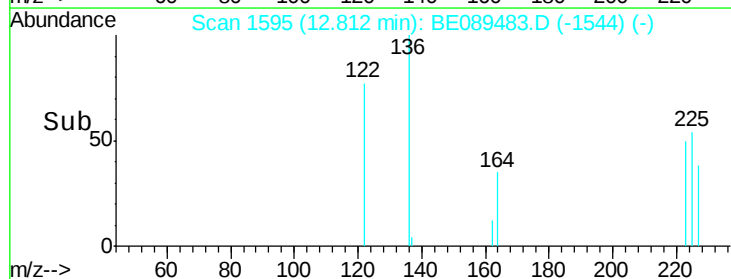
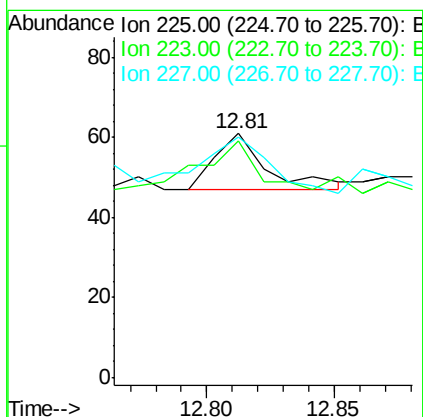
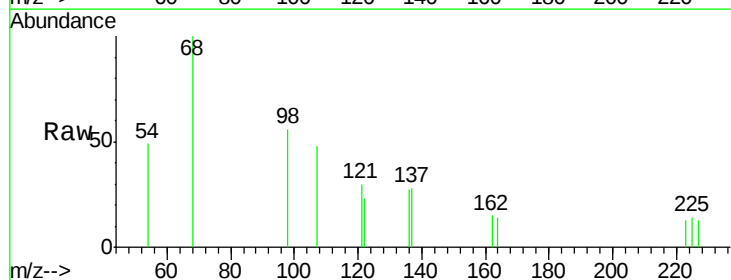
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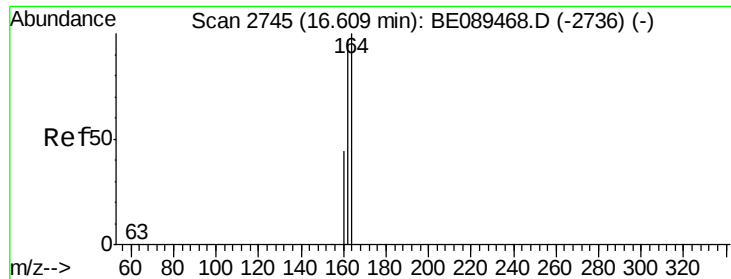
Tgt Ion:162 Resp: 121
 Ion Ratio Lower Upper
 162 100
 164 61.6 39.9 79.9
 98 228.3 31.3 71.3#



#12
 Hexachlorobutadiene
 Concen: 0.00 ng
 RT: 12.81 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

Tgt Ion:225 Resp: 20
 Ion Ratio Lower Upper
 225 100
 223 0.0 49.4 74.0#
 227 0.0 51.2 76.8#

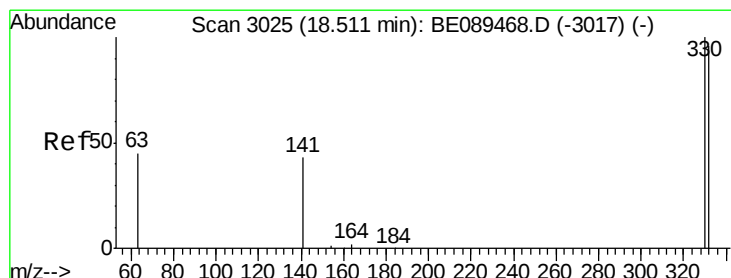
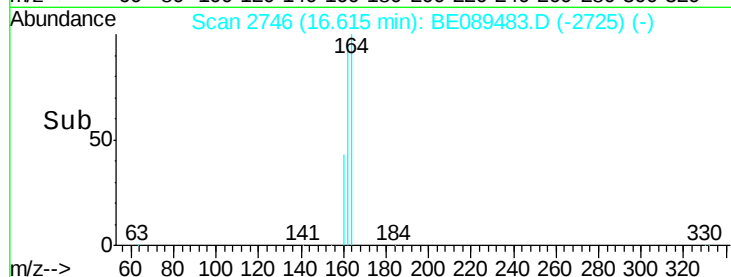
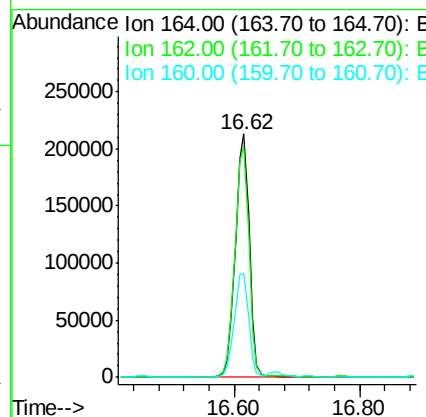
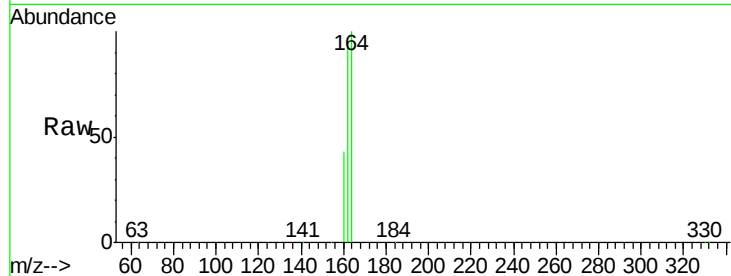




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.62 min Scan# 2746
Delta R.T. 0.01 min
Lab File: BE089483.D
Acq: 4 Feb 2015 4:42

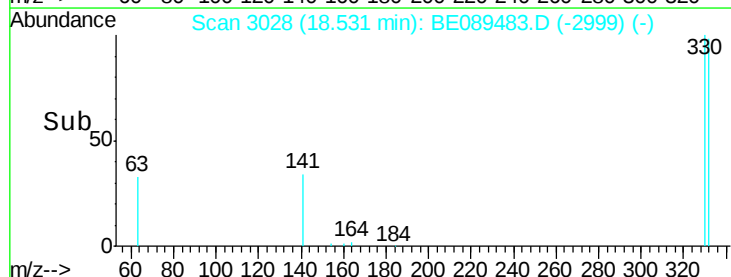
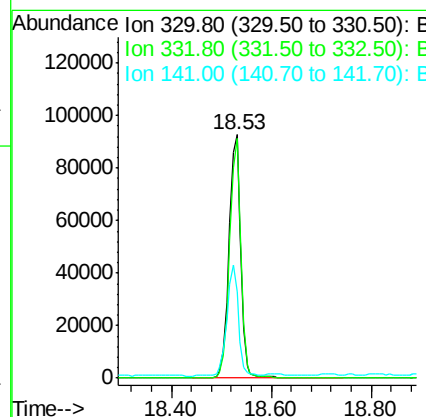
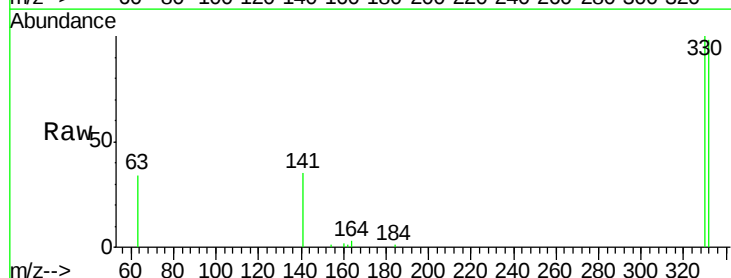
Instrument :
BNA_E
ClientSampled :
MPE-15

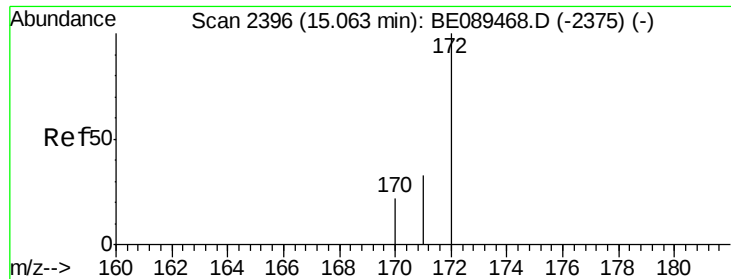
Tgt Ion:164 Resp: 328846
Ion Ratio Lower Upper
164 100
162 94.9 77.6 116.4
160 42.9 35.6 53.4



#14
2,4,6-Tribromophenol
Concen: 10.58 ng
RT: 18.53 min Scan# 3028
Delta R.T. 0.02 min
Lab File: BE089483.D
Acq: 4 Feb 2015 4:42

Tgt Ion:330 Resp: 150913
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 44.6 33.8 50.6

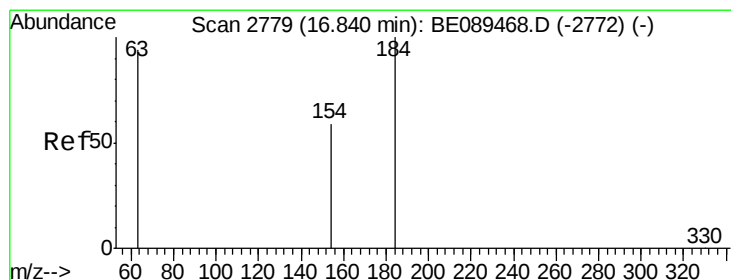
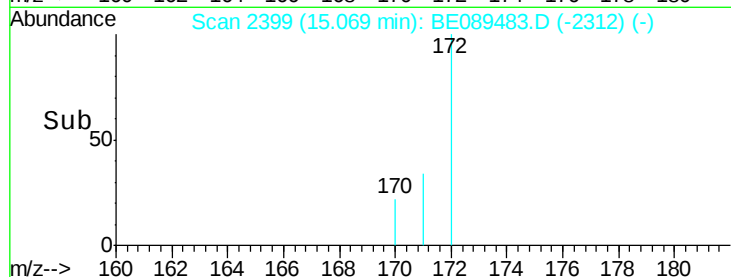
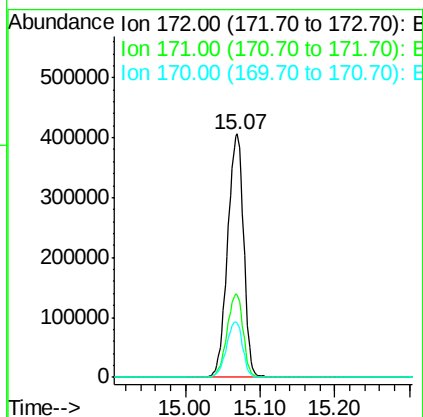
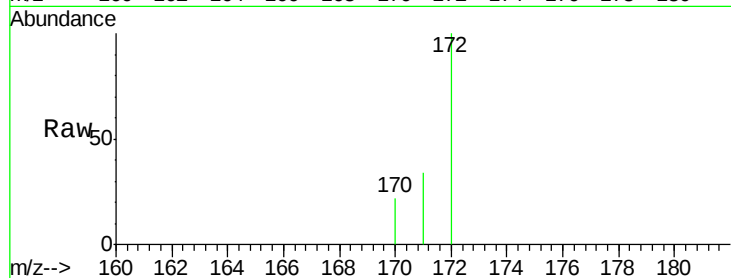




#15
2-Fluorobiphenyl
Concen: 6.98 ng
RT: 15.07 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BE089483.D
Acq: 4 Feb 2015 4:42

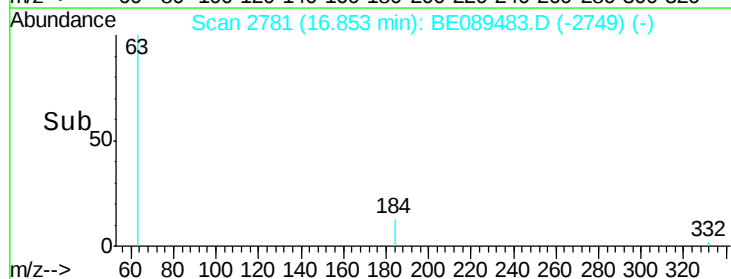
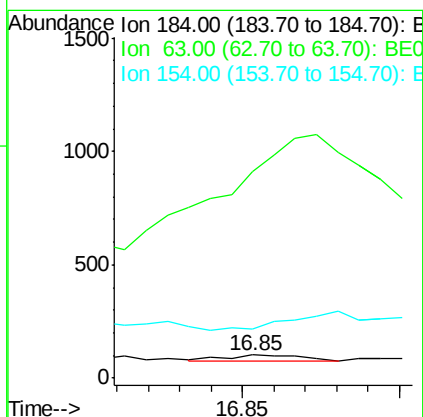
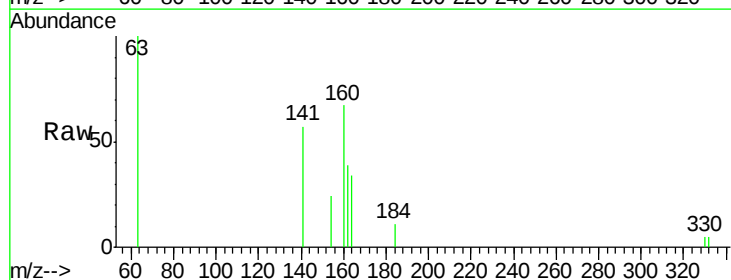
Instrument :
BNA_E
ClientSampleId :
MPE-15

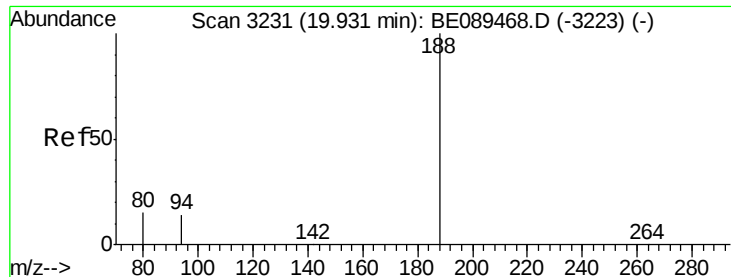
Tgt Ion:172 Resp: 604372
Ion Ratio Lower Upper
172 100
171 33.8 26.8 40.2
170 22.3 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.41 ng
RT: 16.85 min Scan# 2781
Delta R.T. 0.01 min
Lab File: BE089483.D
Acq: 4 Feb 2015 4:42

Tgt Ion:184 Resp: 36
Ion Ratio Lower Upper
184 100
63 891.2 92.1 138.1#
154 211.8 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: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampled :

MPE-15

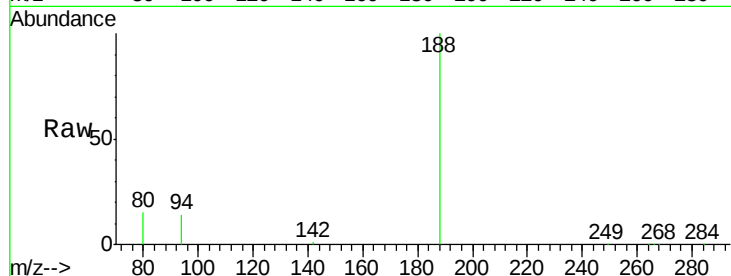
Tgt Ion:188 Resp: 549972

Ion Ratio Lower Upper

188 100

94 14.3 11.1 16.7

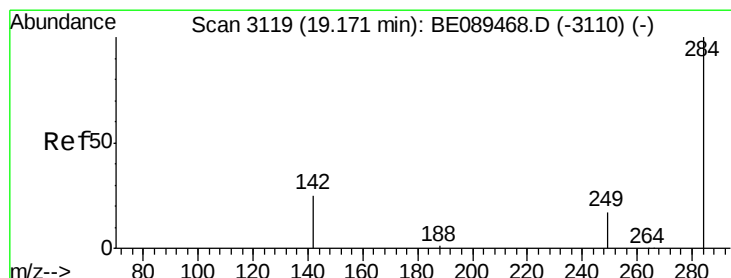
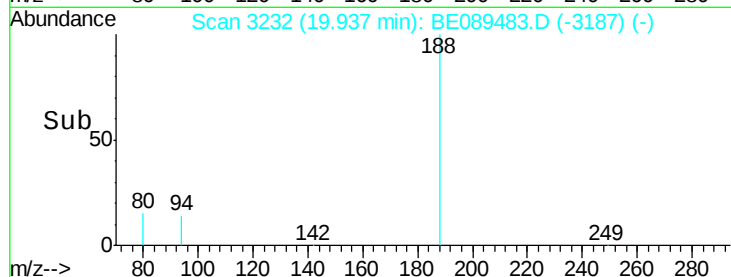
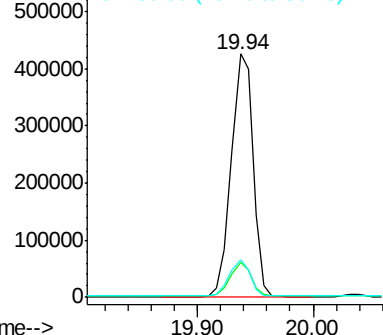
80 15.5 11.8 17.6



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



#18

Hexachlorobenzene

Concen: 0.00 ng

RT: 19.17 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

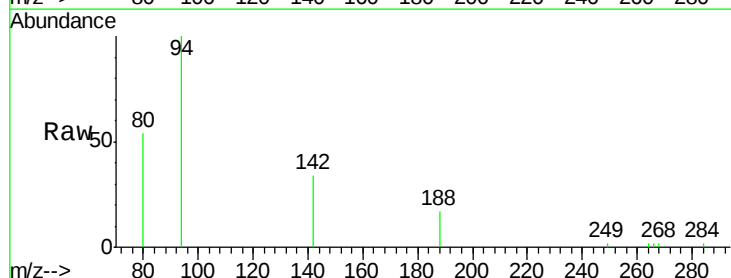
Tgt Ion:284 Resp: 45

Ion Ratio Lower Upper

284 100

142 1591.7 24.4 36.6#

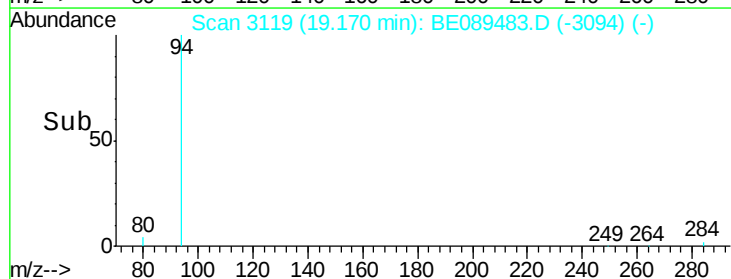
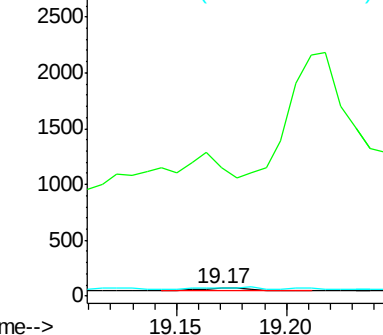
249 104.2 18.2 27.2#

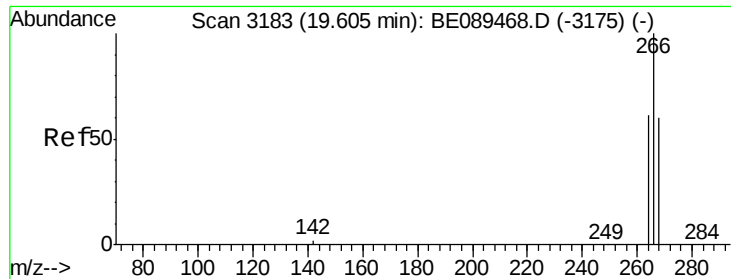


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

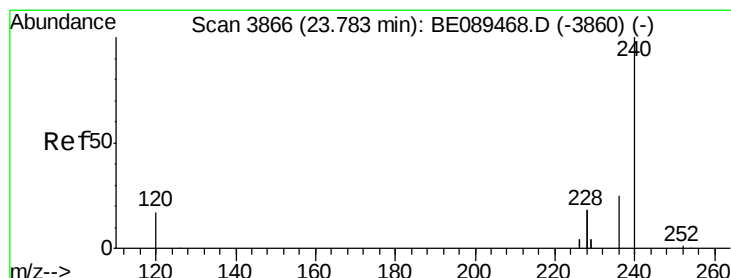
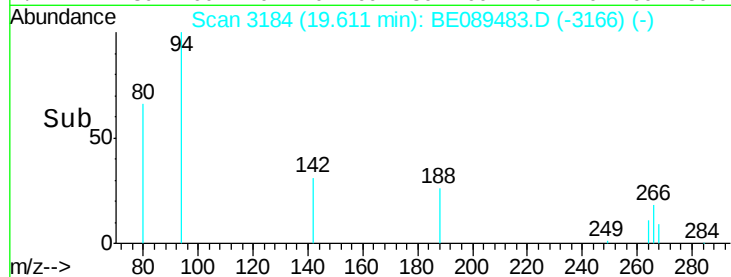
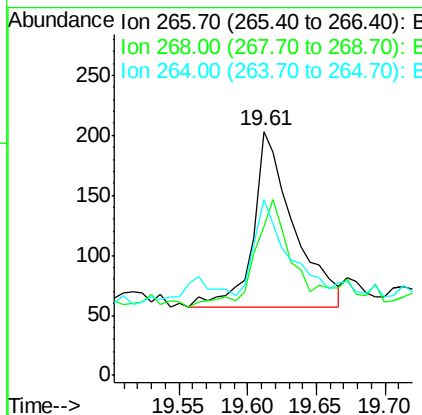
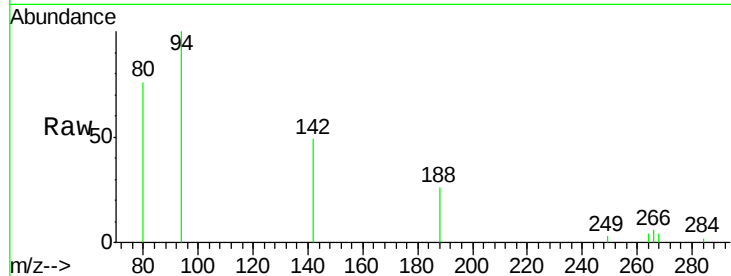




#19
 Pentachlorophenol
 Concen: 0.40 ng
 RT: 19.61 min Scan# 3184
 Delta R.T. 0.01 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

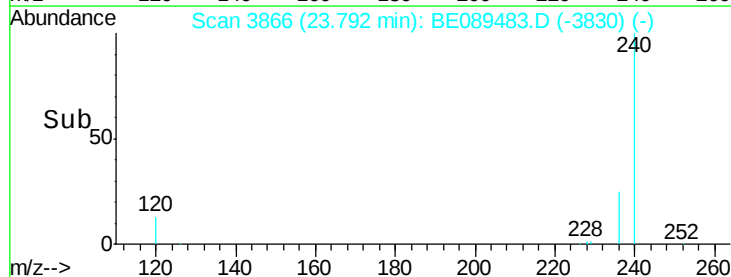
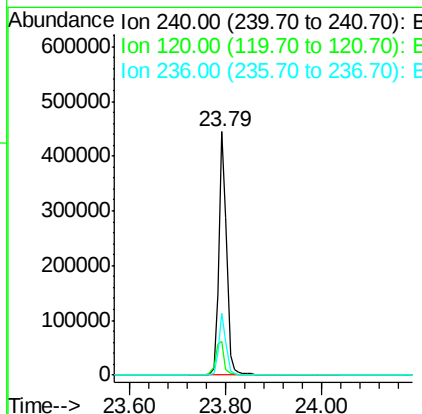
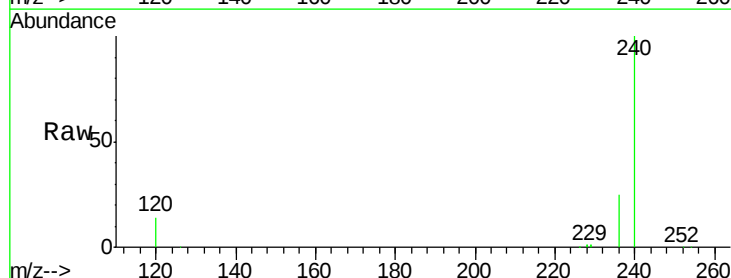
Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

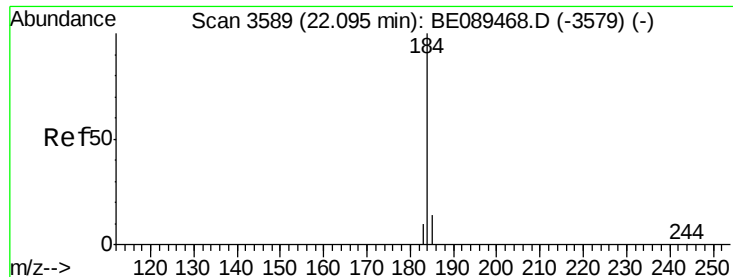
Tgt Ion: 266 Resp: 300
 Ion Ratio Lower Upper
 266 100
 268 61.1 50.0 75.0
 264 71.9 50.6 75.8



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.79 min Scan# 3866
 Delta R.T. 0.01 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

Tgt Ion: 240 Resp: 494322
 Ion Ratio Lower Upper
 240 100
 120 13.8 13.8 20.6
 236 25.2 20.2 30.2





#21

Benzidine

Concen: 0.09 ng

RT: 22.11 min Scan# 3592

Delta R.T. 0.02 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

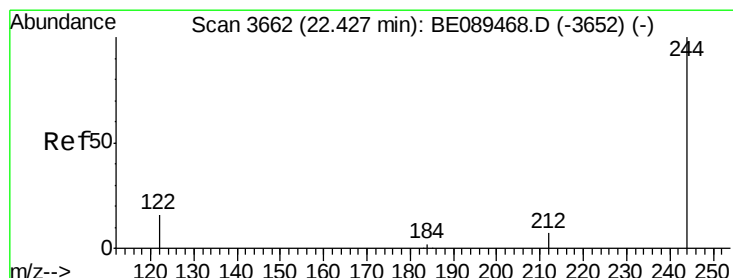
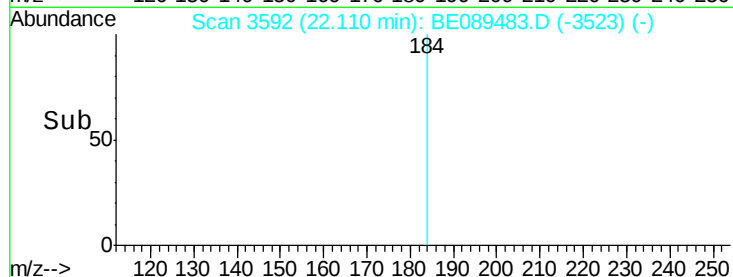
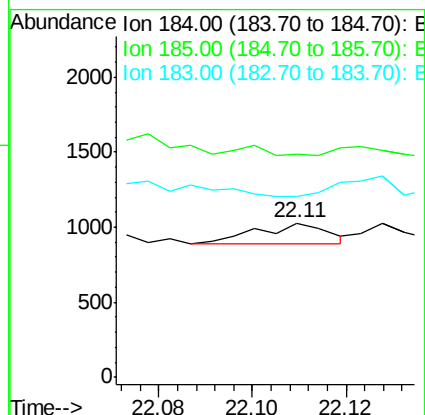
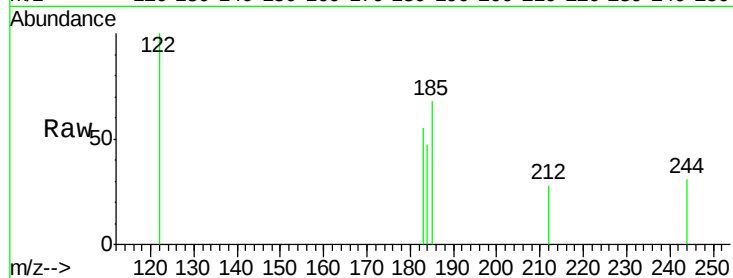
Tgt Ion:184 Resp: 144

Ion Ratio Lower Upper

184 100

185 144.6 12.0 18.0#

183 117.5 9.0 13.4#



#22

Terphenyl-d14

Concen: 10.02 ng

RT: 22.44 min Scan# 3664

Delta R.T. 0.01 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

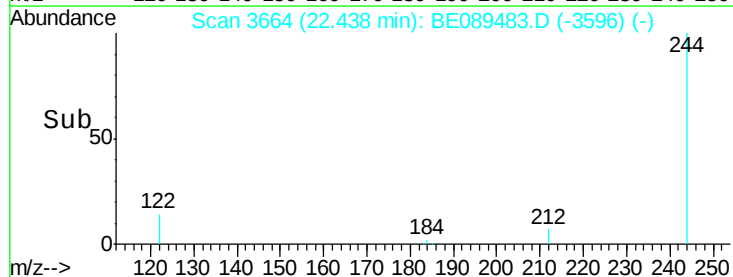
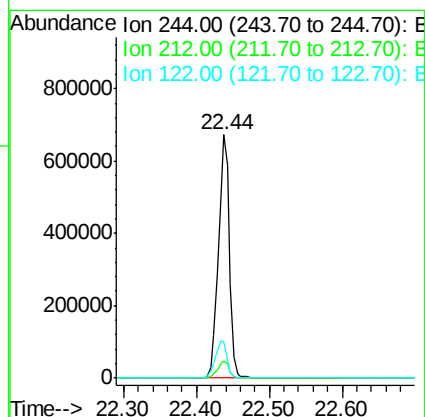
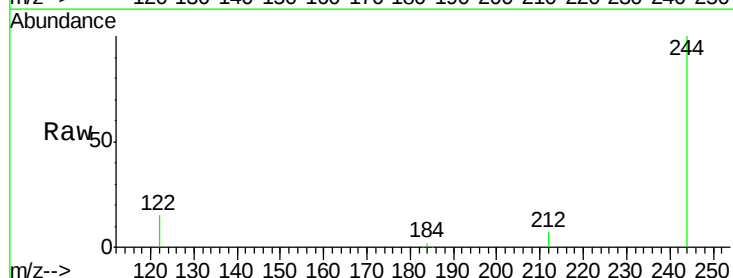
Tgt Ion:244 Resp: 702375

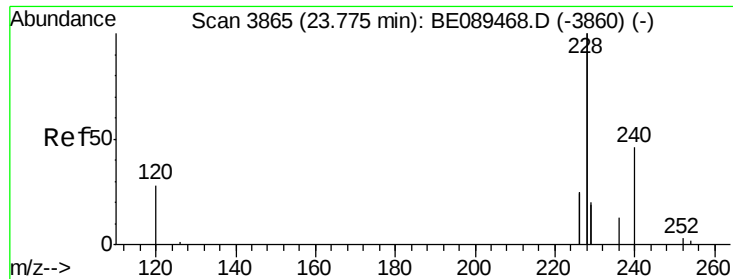
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 14.8 12.6 19.0





#23

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.78 min Scan# 3865

Delta R.T. 0.01 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

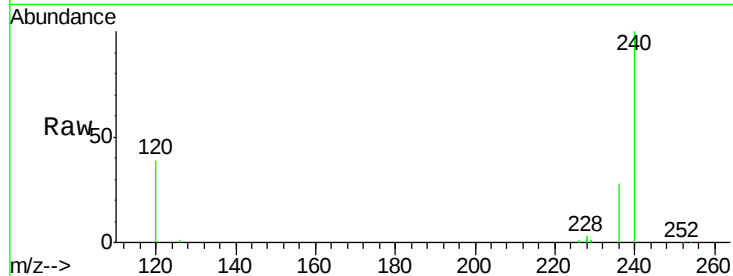
Tgt Ion:228 Resp: 9884

Ion Ratio Lower Upper

228 100

226 38.1 19.6 29.4#

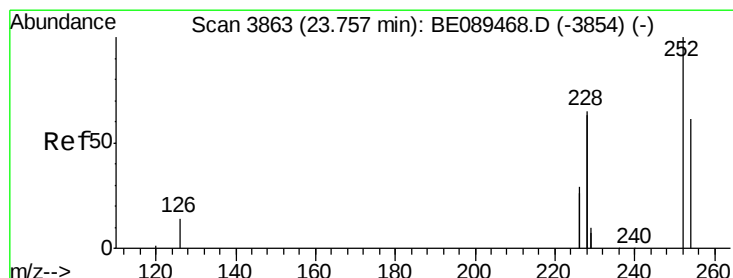
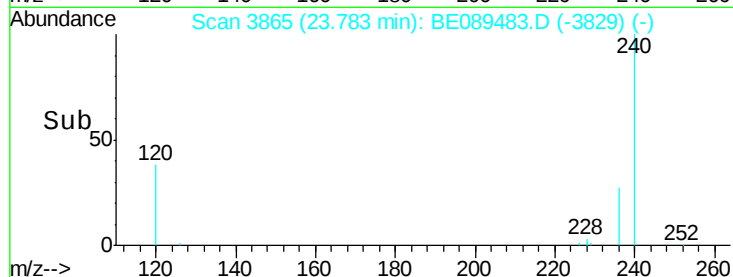
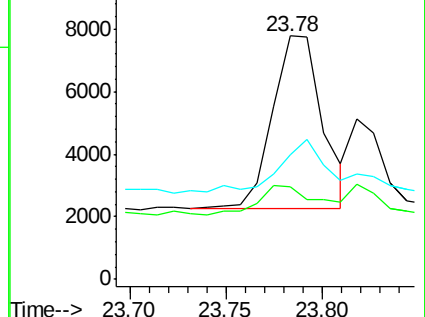
229 50.9 15.9 23.9#



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



#24

3,3'-Dichlorobenzidine

Concen: 0.13 ng

RT: 23.76 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

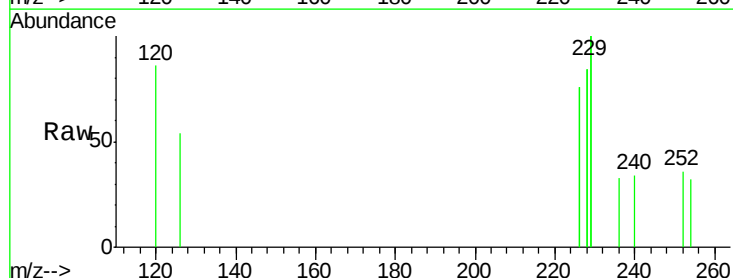
Tgt Ion:252 Resp: 455

Ion Ratio Lower Upper

252 100

254 87.1 48.6 73.0#

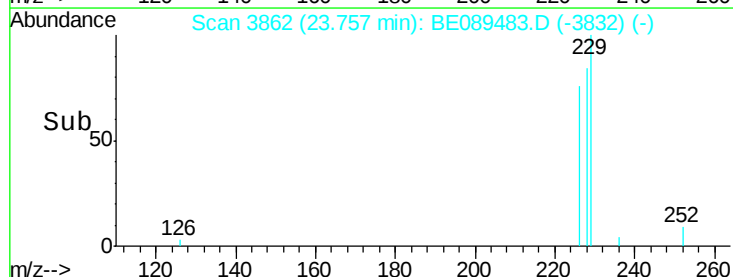
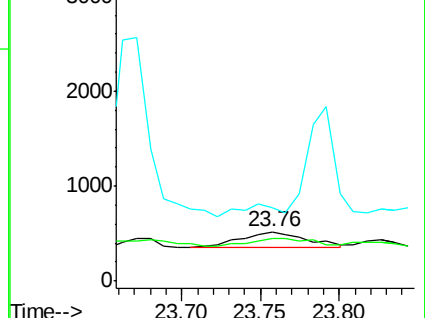
126 148.5 12.4 18.6#

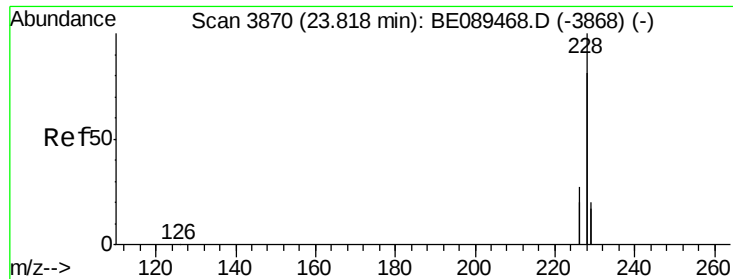


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.02 ng

RT: 23.78 min Scan# 3865

Delta R.T. -0.03 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

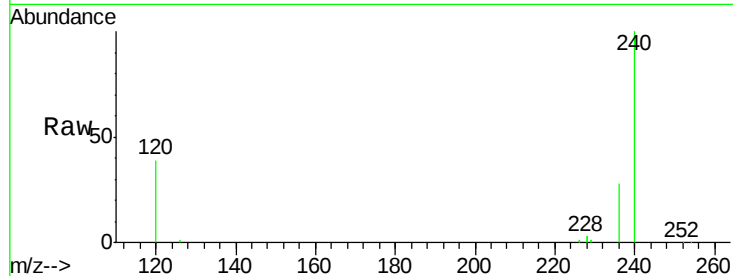
Tgt Ion:228 Resp: 9884

Ion Ratio Lower Upper

228 100

226 38.1 21.8 32.8#

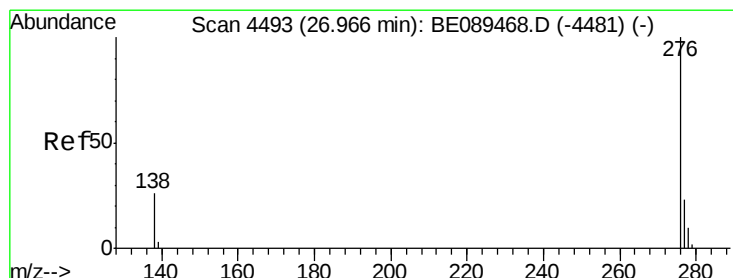
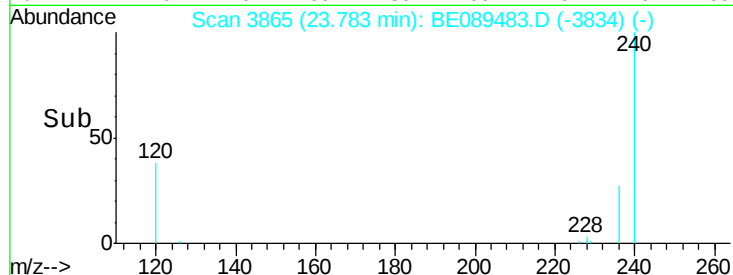
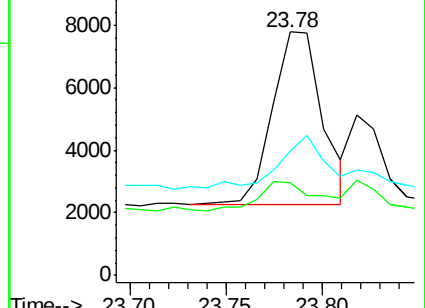
229 50.9 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng

RT: 26.97 min Scan# 4493

Delta R.T. 0.01 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

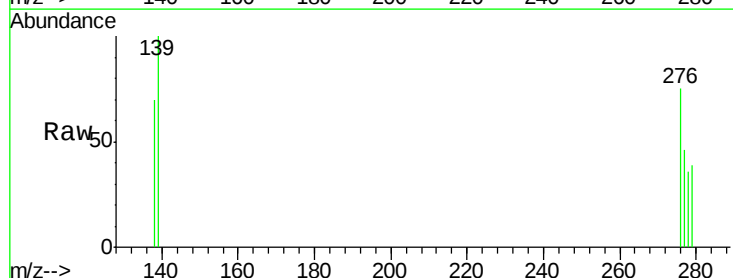
Tgt Ion:276 Resp: 688

Ion Ratio Lower Upper

276 100

138 20.1 24.2 36.4#

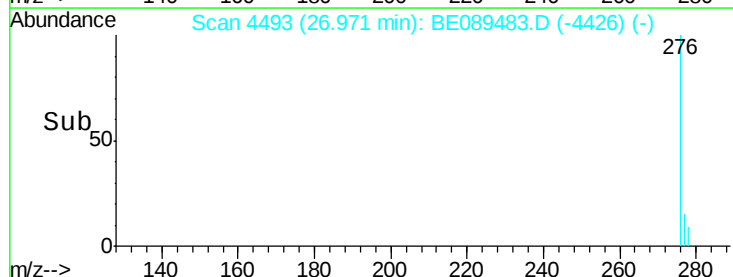
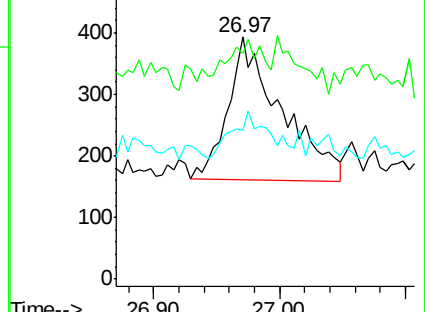
277 22.1 19.9 29.9

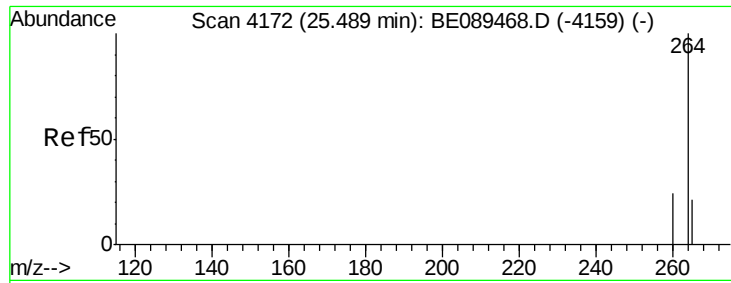


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

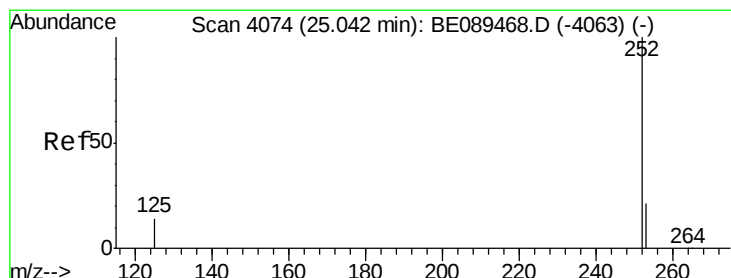
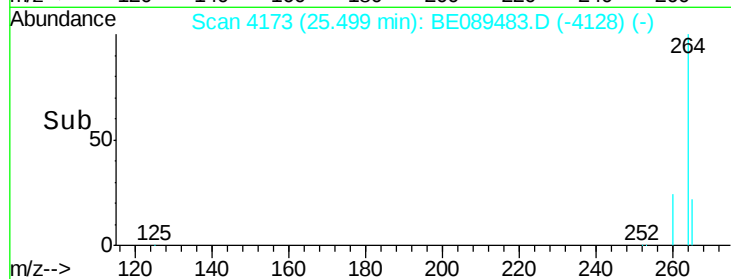
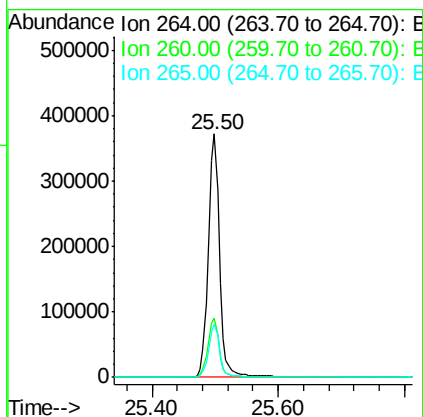
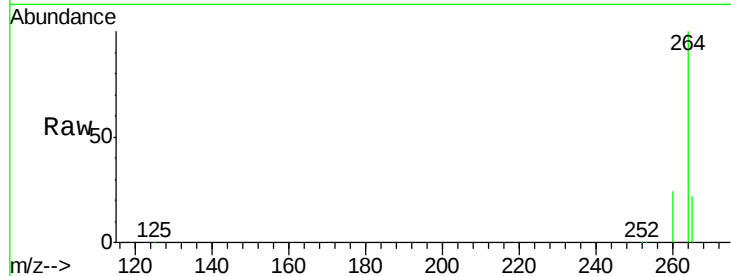




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.50 min Scan# 4173
 Delta R.T. 0.01 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

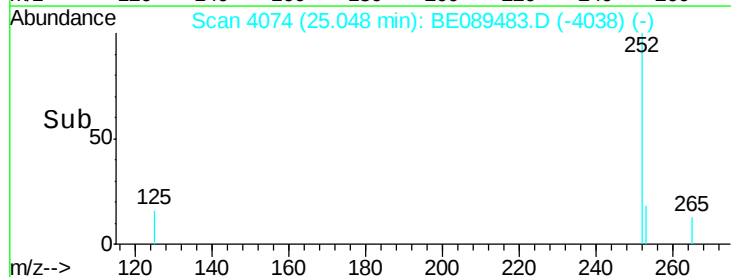
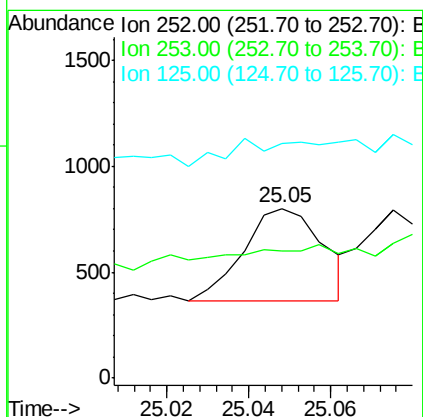
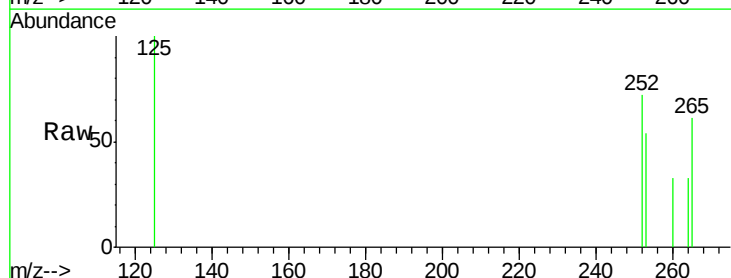
Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

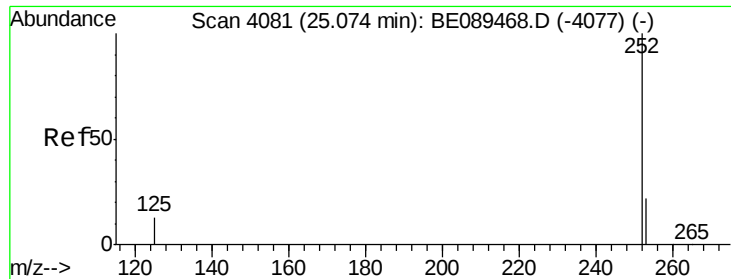
Tgt Ion: 264 Resp: 461759
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.1 28.7
 265 21.8 17.0 25.6



#28
 Benzo(b)fluoranthene
 Concen: 0.19 ng
 RT: 25.05 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: BE089483.D
 Acq: 4 Feb 2015 4:42

Tgt Ion: 252 Resp: 585
 Ion Ratio Lower Upper
 252 100
 253 75.2 17.4 26.2#
 125 138.0 11.3 16.9#





#29

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.08 min Scan# 4080

Delta R.T. 0.00 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15

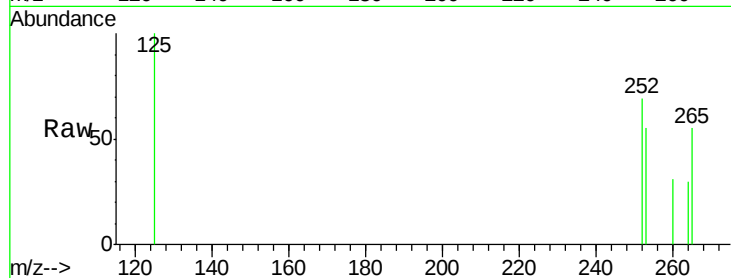
Tgt Ion: 252 Resp: 616

Ion Ratio Lower Upper

252 100

253 80.6 17.9 26.9#

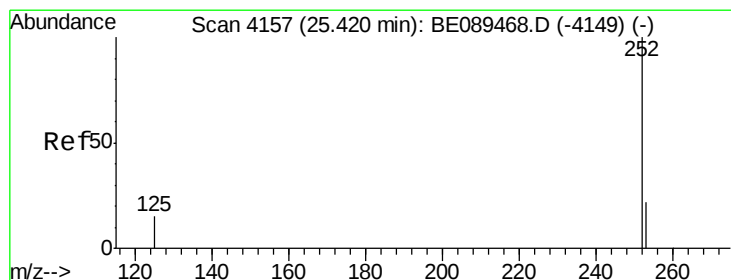
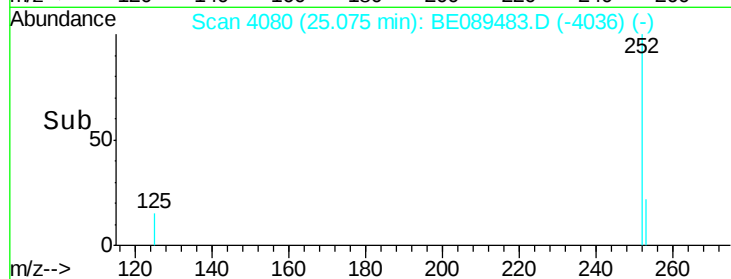
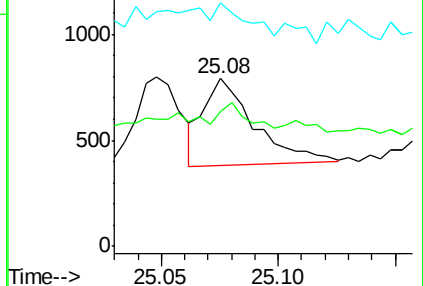
125 145.2 10.6 15.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 0.18 ng

RT: 25.43 min Scan# 4157

Delta R.T. 0.01 min

Lab File: BE089483.D

Acq: 4 Feb 2015 4:42

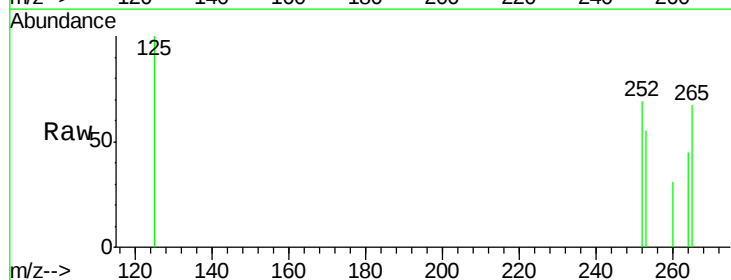
Tgt Ion: 252 Resp: 585

Ion Ratio Lower Upper

252 100

253 79.5 18.2 27.2#

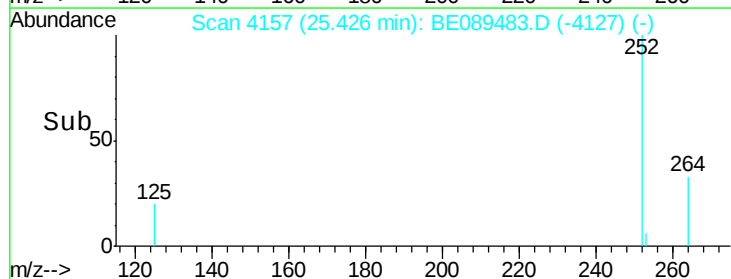
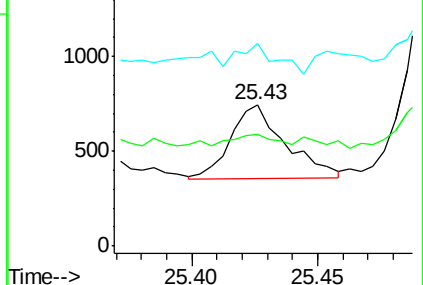
125 143.9 12.2 18.4#

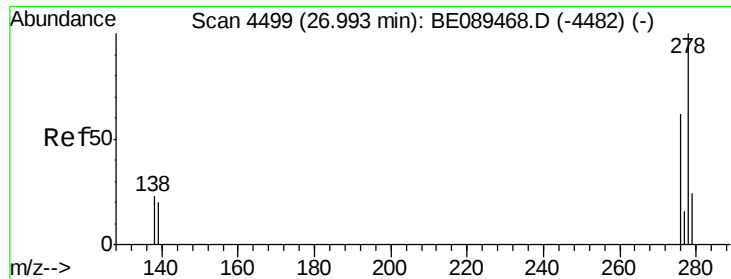


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 27.00 min Scan# 4499

Delta R.T. 0.00 min

Lab File: BE089483.D

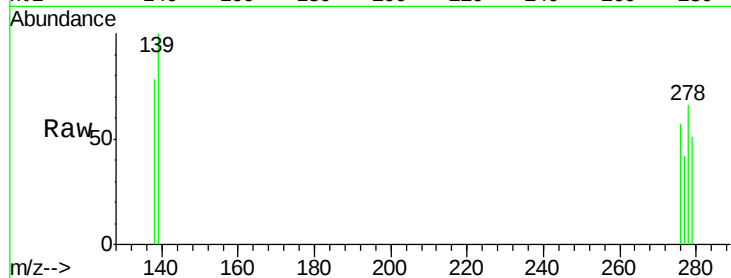
Acq: 4 Feb 2015 4:42

Instrument :

BNA_E

ClientSampleId :

MPE-15



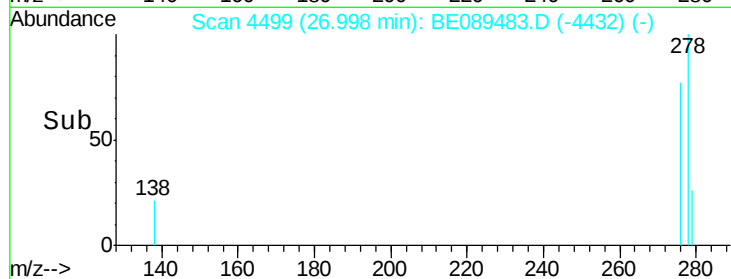
Tgt Ion: 278 Resp: 310

Ion Ratio Lower Upper

278 100

139 150.4 16.8 25.2#

279 76.7 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

