

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011315\
 Data File : BM000185.D
 Acq On : 14 Jan 2015 01:20
 Operator : TP/IZ
 Sample : G1065-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AE3

Quant Time: Jan 14 13:00:35 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM122914.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 14 12:47:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	118236	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.62	136	465335	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.46	164	307434	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.21	188	620788	20.00	ng/ul	-0.02
75) Chrysene-d12	21.39	240	701547	20.00	ng/ul	-0.02
83) Perylene-d12	23.67	264	661583	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	3684	1.81	ng/uL	-0.01
5) Phenol-d5	6.99	99	75052	7.55	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	220898	35.14	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.36	132	205715	28.21	ng/ul	-0.01
13) 4-Methylphenol-d8	8.53	113	130914	16.55	ng/ul	-0.01
19) Nitrobenzene-d5	9.03	128	132	0.04	ng/ul	0.03
22) 2-Nitrophenol-d4	9.70	143	129547	39.43	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.23	165	229271	31.59	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.76	131	12145	1.47	ng/ul	-0.02
43) Dimethylphthalate-d6	13.87	166	883371	38.96	ng/ul	-0.01
46) Acenaphthylene-d8	14.16	160	980628	36.10	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.66	143	18804	5.10	ng/ul	0.00
57) Fluorene-d10	15.46	176	724793	37.22	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	107152	36.42	ng/ul	-0.02
70) Anthracene-d10	17.30	188	1205518	42.00	ng/ul	-0.01
76) Pyrene-d10	19.60	212	1314725	40.62	ng/ul	-0.02
87) Benzo(a)pyrene-d12	23.53	264	1271810	42.35	ng/ul	-0.04

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.36	88	144	0.05 ng/uL#	16
8) Bis(2-Chloroethyl)ether	7.26	93	1240	0.15 ng/ul#	75
12) 2,2'-oxybis(1-Chloropropan	8.53	45	1415	0.11 ng/ul#	70
15) N-Nitroso-di-n-propylamine	8.52	70	3899	0.54 ng/ul#	1
20) Nitrobenzene	8.99	77	1542	0.16 ng/ul#	49
21) Isophorone	9.71	82	18988	1.03 ng/ul#	75
34) 2-Methylnaphthalene	12.27	142	1854	0.11 ng/ul	82
44) Dimethylphthalate	13.87	163	496	0.02 ng/ul#	1
45) 2,6-Dinitrotoluene	13.87	165	6348	1.57 ng/ul#	32
56) Diethylphthalate	15.29	149	2066	0.09 ng/ul#	59
58) Fluorene	15.45	166	1827	0.08 ng/ul#	9
60) 4-Nitroaniline	15.47	138	325	0.07 ng/ul#	1
64) N-Nitrosodiphenylamine	15.57	169	469	0.03 ng/ul#	1
69) Phenanthrene	17.24	178	1324	0.04 ng/ul#	61
71) Anthracene	17.31	178	257	0.01 ng/ul#	1
73) Di-n-butylphthalate	18.17	149	920	0.02 ng/ul#	78
77) Pyrene	19.60	202	1569	0.04 ng/ul#	1
78) Butylbenzylphthalate	20.61	149	226	0.01 ng/ul#	24
80) Benzo(a)anthracene	21.39	228	1835	0.05 ng/ul#	66
81) Bis(2-ethylhexyl)phthalate	21.30	149	2610	0.10 ng/ul#	94
82) Chrysene	21.39	228	1835	0.05 ng/ul#	63
84) Di-n-octyl phthalate	22.20	149	521	0.01 ng/ul	100
86) Benzo(k)fluoranthene	23.20	252	251	0.01 ng/ul#	1

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

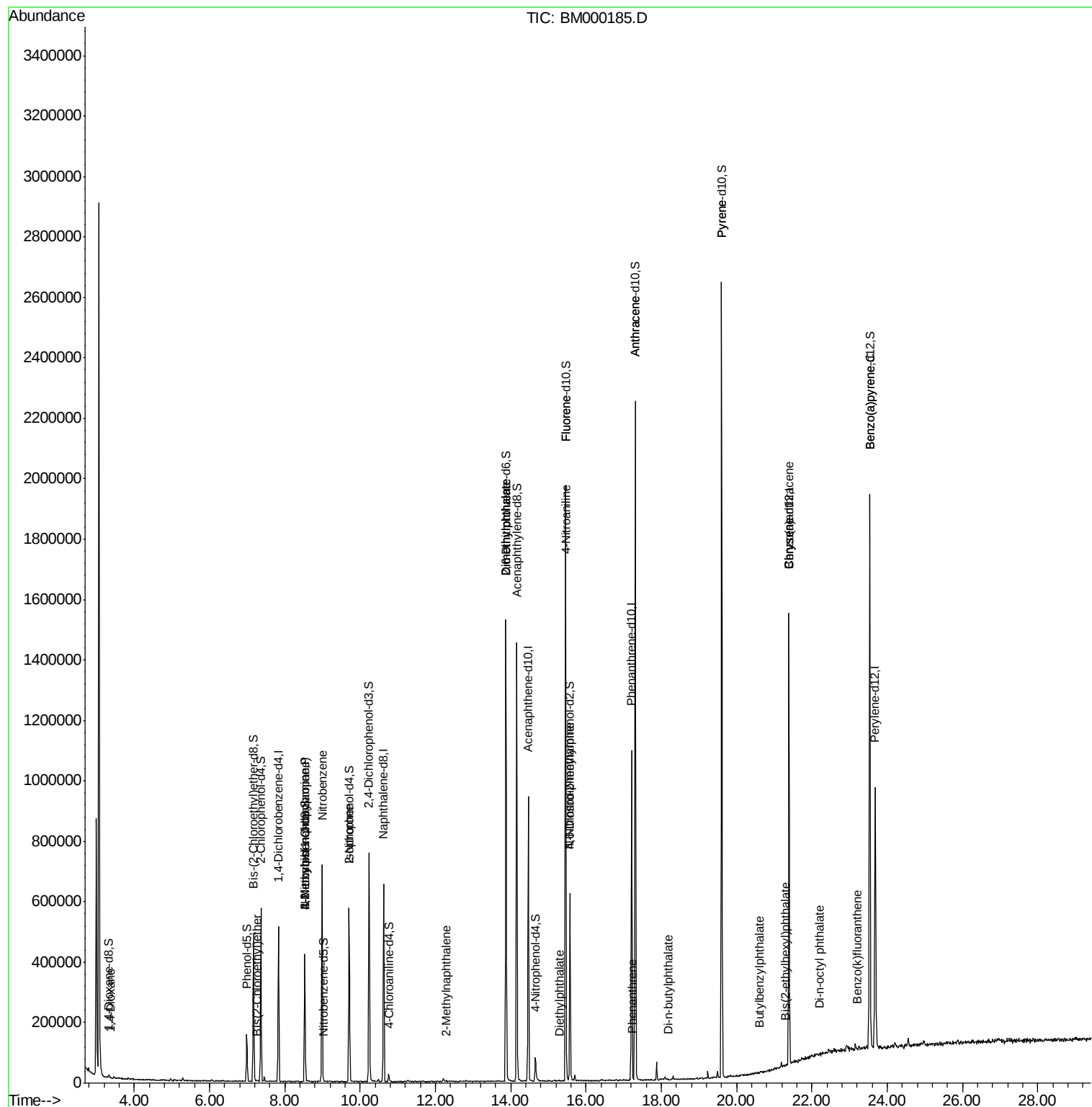
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.54	252	2831	0.08	ng/ul#	35

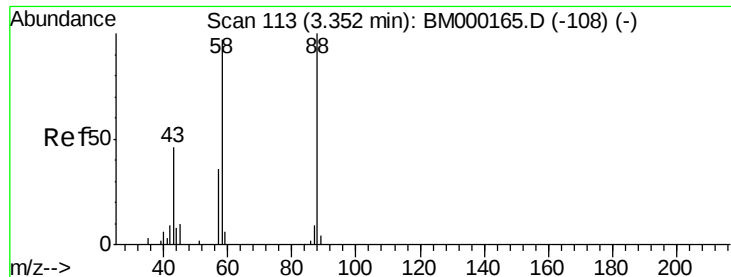
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.05 ng/uL

RT: 3.36 min Scan# 114

Delta R.T. -0.00 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampleId :

C0AE3

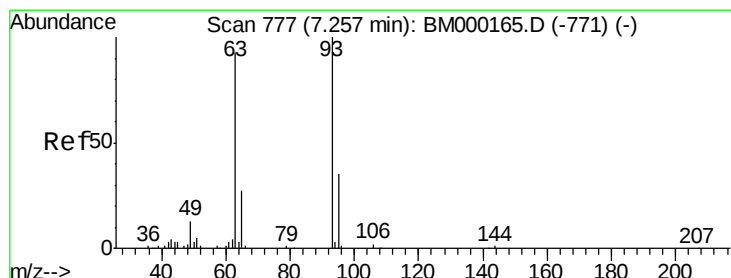
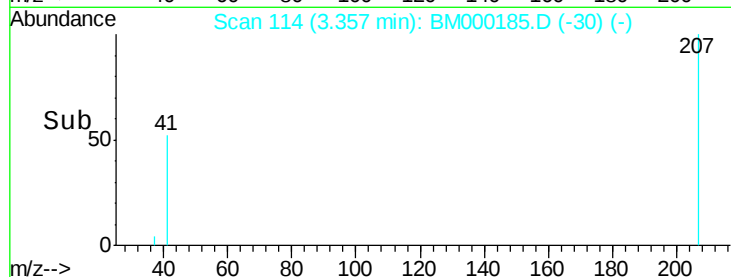
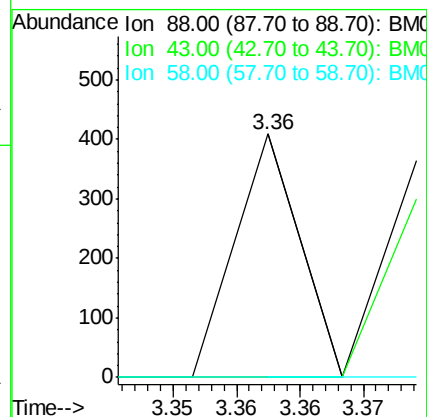
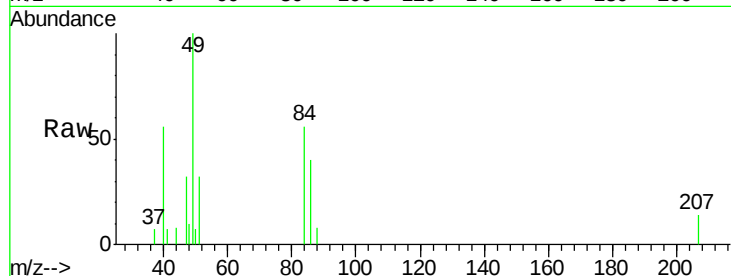
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 0.0 34.9 52.3#

58 0.0 67.3 100.9#



#8

Bis(2-Chloroethyl)ether

Concen: 0.15 ng/uL

RT: 7.26 min Scan# 777

Delta R.T. -0.01 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

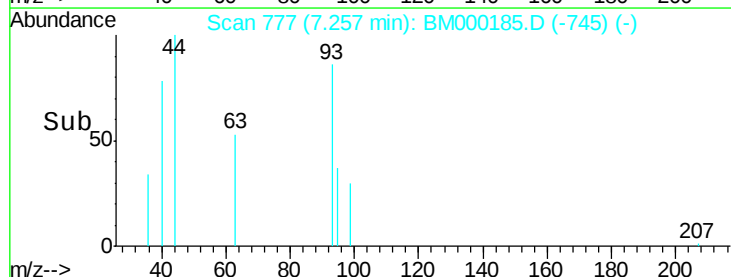
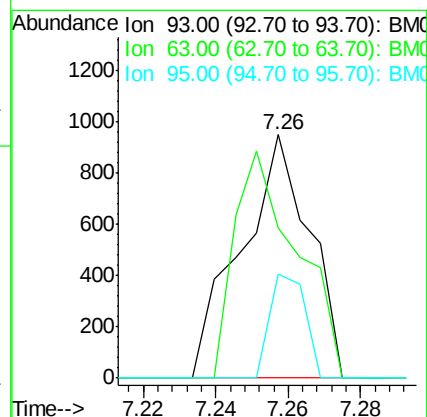
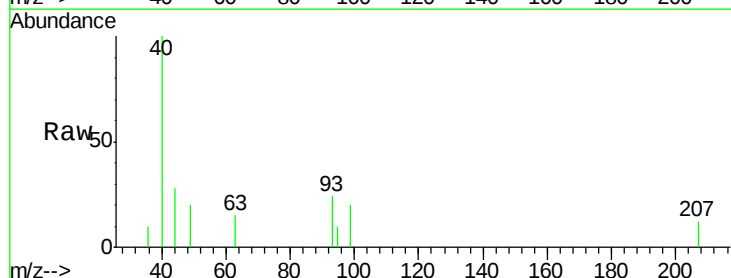
Tgt Ion: 93 Resp: 1240

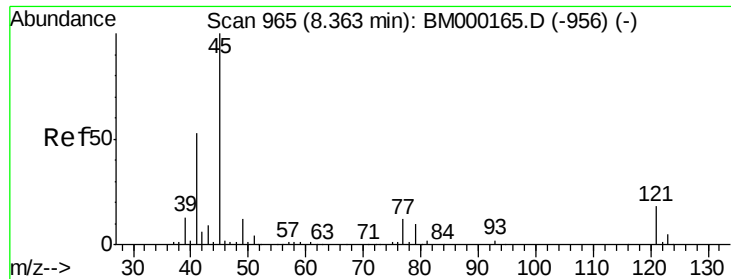
Ion Ratio Lower Upper

93 100

63 61.9 68.9 103.3#

95 43.0 24.6 37.0#

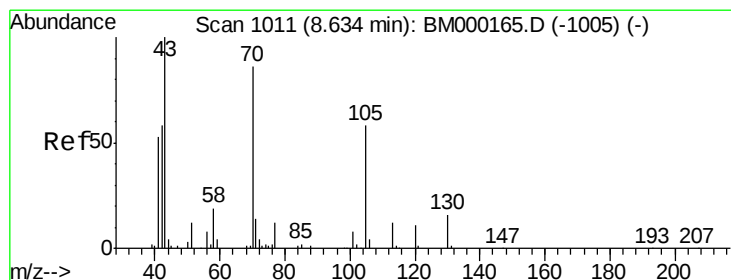
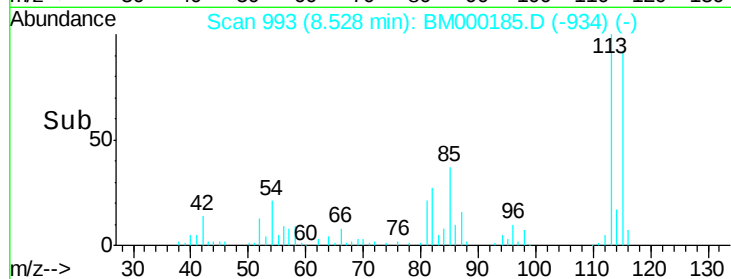
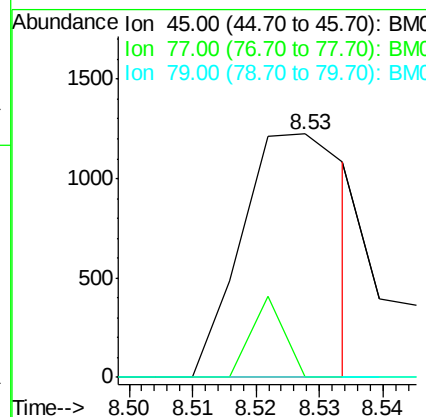
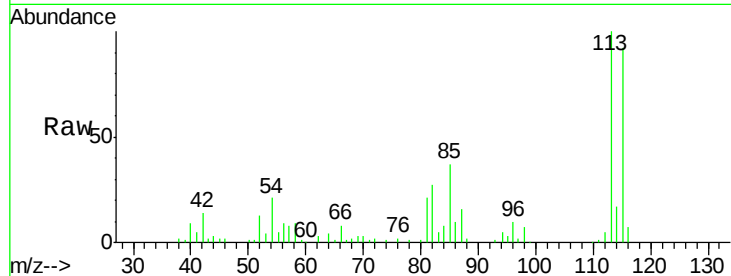




#12
2,2'-oxybis(1-Chloropropane)
Concen: 0.11 ng/ul
RT: 8.53 min Scan# 993
Delta R.T. 0.15 min
Lab File: BM000185.D
Acq: 14 Jan 2015 01:20

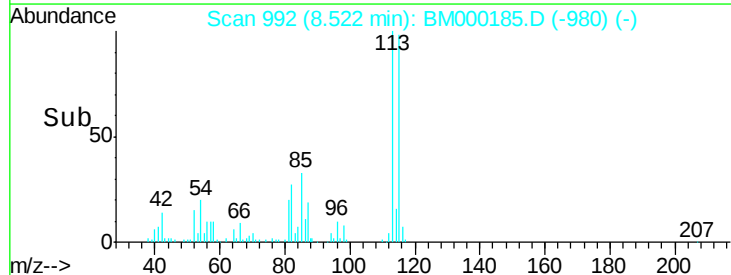
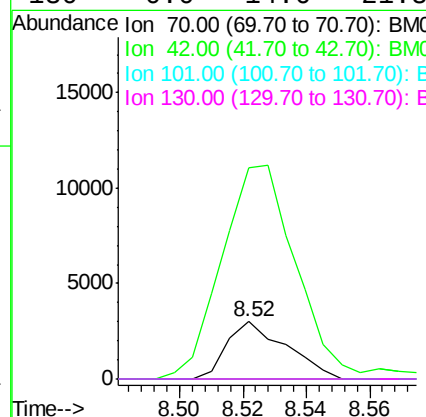
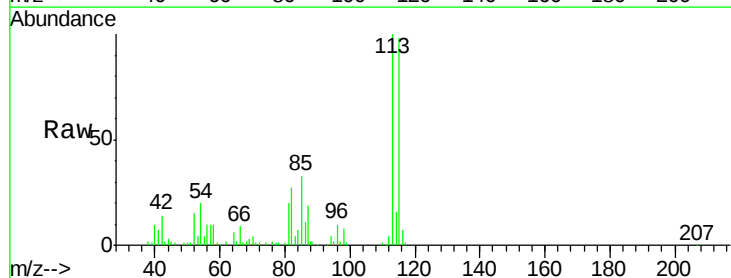
Instrument :
BNA_M
ClientSampleId :
C0AE3

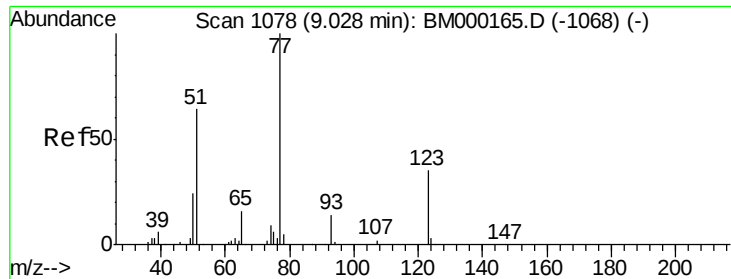
Tgt Ion: 45 Resp: 1415
Ion Ratio Lower Upper
45 100
77 0.0 9.9 14.9#
79 0.0 8.3 12.5#



#15
N-Nitroso-di-n-propylamine
Concen: 0.54 ng/ul
RT: 8.52 min Scan# 992
Delta R.T. -0.13 min
Lab File: BM000185.D
Acq: 14 Jan 2015 01:20

Tgt Ion: 70 Resp: 3899
Ion Ratio Lower Upper
70 100
42 366.7 46.4 69.6#
101 0.0 7.8 11.8#
130 0.0 14.6 21.8#

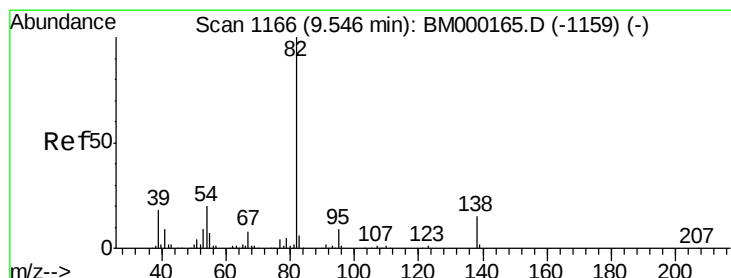
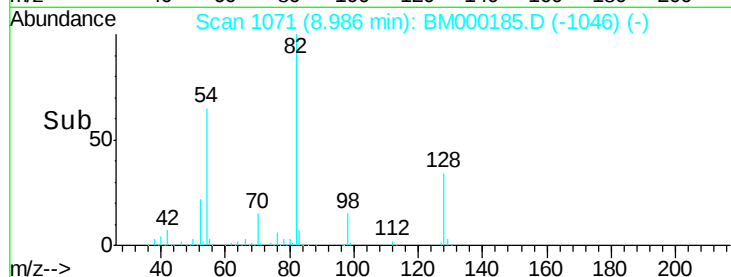
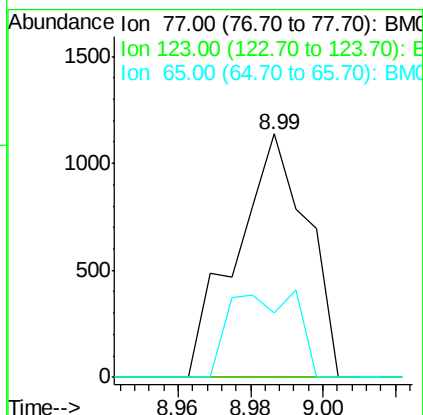
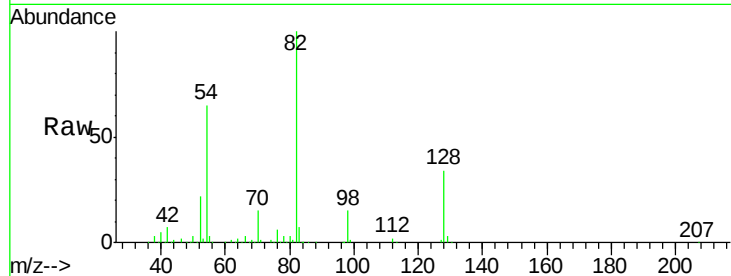




#20
Nitrobenzene
Concen: 0.16 ng/ul
RT: 8.99 min Scan# 1071
Delta R.T. -0.06 min
Lab File: BM000185.D
Acq: 14 Jan 2015 01:20

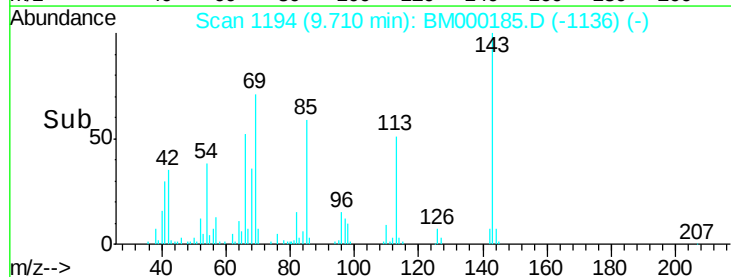
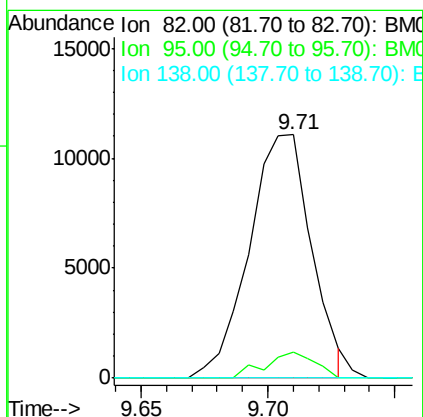
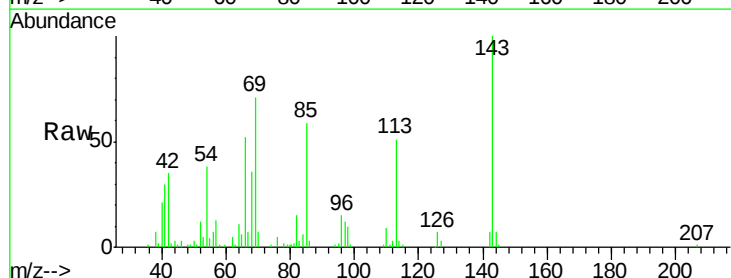
Instrument :
BNA_M
ClientSampleId :
C0AE3

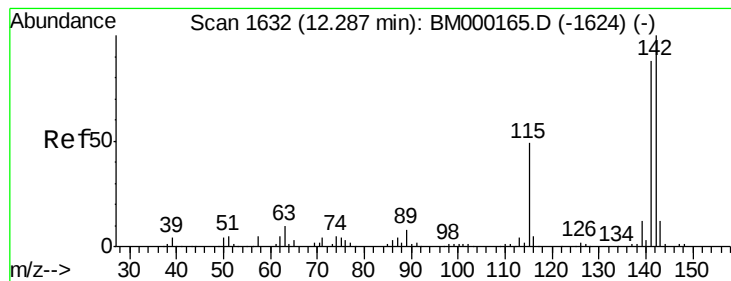
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	29.2	43.8#
65	26.4	12.4	18.6#



#21
Isophorone
Concen: 1.03 ng/ul
RT: 9.71 min Scan# 1194
Delta R.T. 0.14 min
Lab File: BM000185.D
Acq: 14 Jan 2015 01:20

Tgt Ion	Ratio	Lower	Upper
82	100		
95	10.7	6.9	10.3#
138	0.0	12.1	18.1#





#34

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 12.27 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampleId :

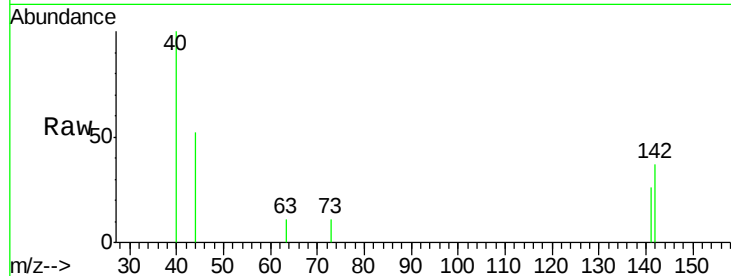
C0AE3

Tgt Ion:142 Resp: 1854

Ion Ratio Lower Upper

142 100

141 69.6 69.3 103.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

1500

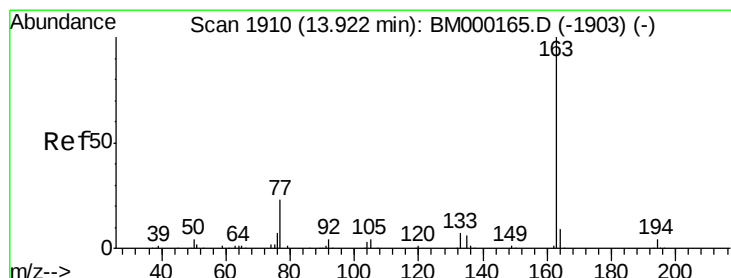
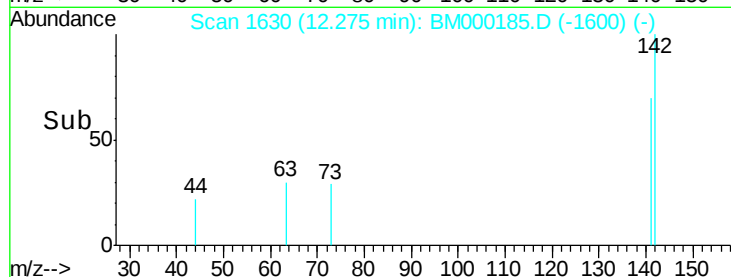
1000

500

0

12.25 12.27 12.30

Time-->



#44

Dimethylphthalate

Concen: 0.02 ng/ul

RT: 13.87 min Scan# 1902

Delta R.T. -0.06 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

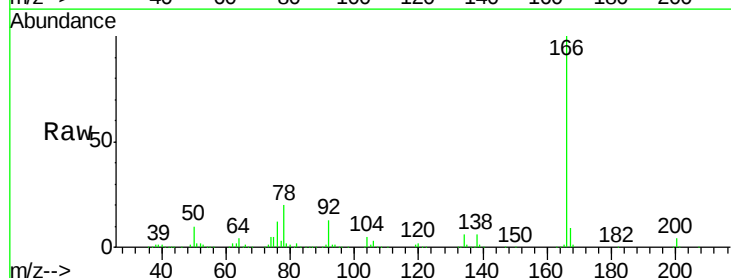
Tgt Ion:163 Resp: 496

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

164 183.9 8.5 12.7#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

1500

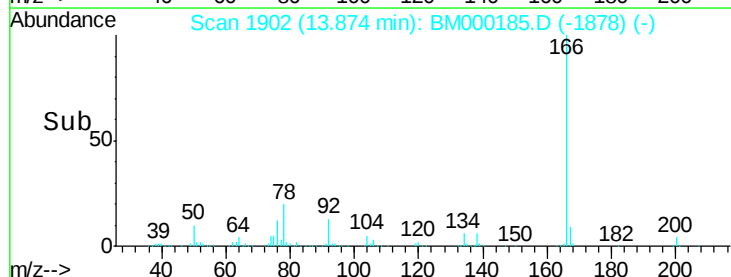
1000

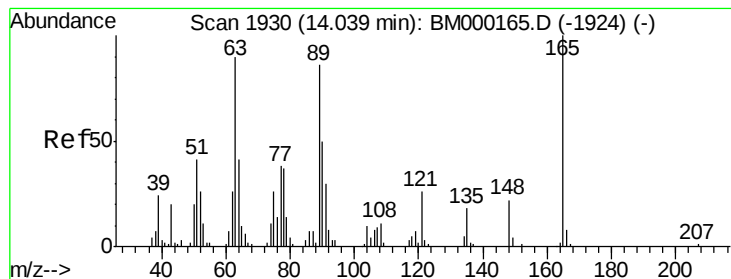
500

0

13.86 13.87 13.88

Time-->





#45

2,6-Dinitrotoluene

Concen: 1.57 ng/ul

RT: 13.87 min Scan# 1902

Delta R.T. -0.19 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampled :

C0AE3

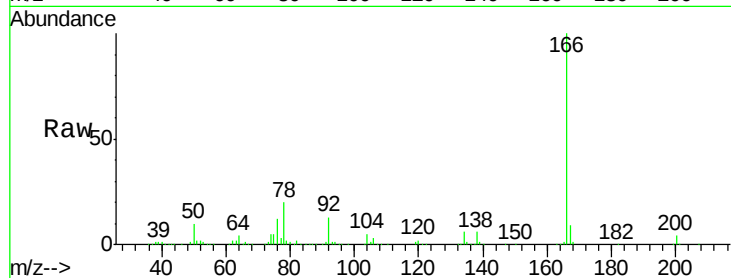
Tgt Ion:165 Resp: 6348

Ion Ratio Lower Upper

165 100

89 0.0 54.4 81.6#

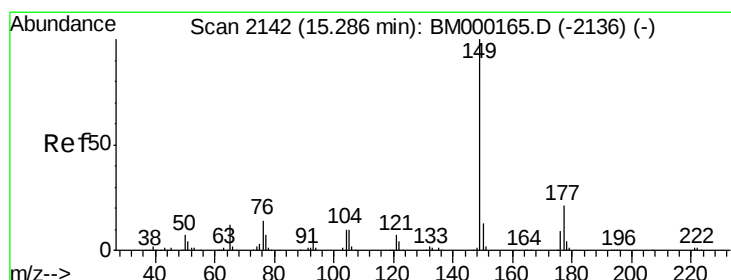
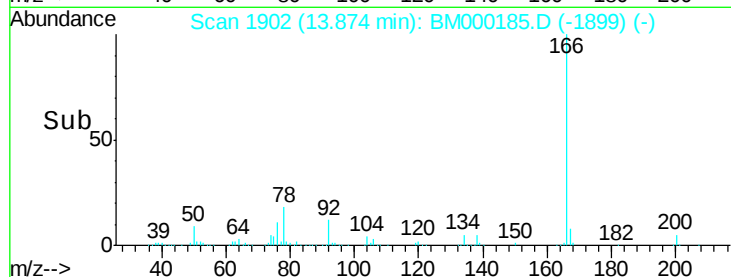
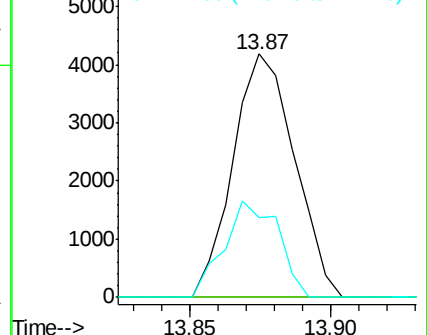
121 32.5 18.6 28.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E



#56

Diethylphthalate

Concen: 0.09 ng/ul

RT: 15.29 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

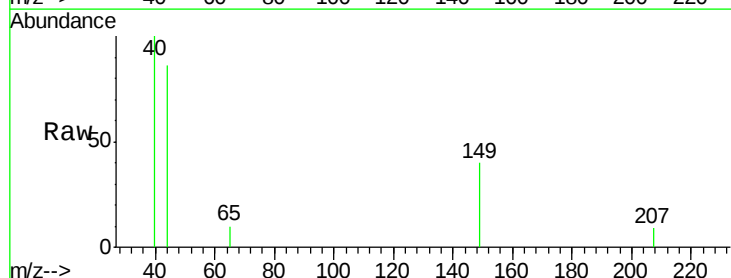
Tgt Ion:149 Resp: 2066

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.2#

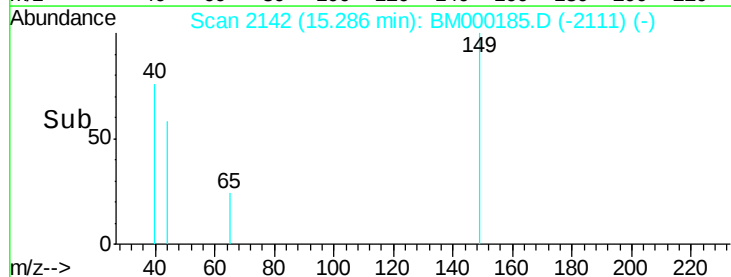
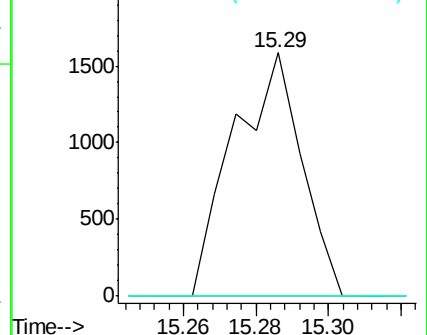
150 0.0 10.5 15.7#

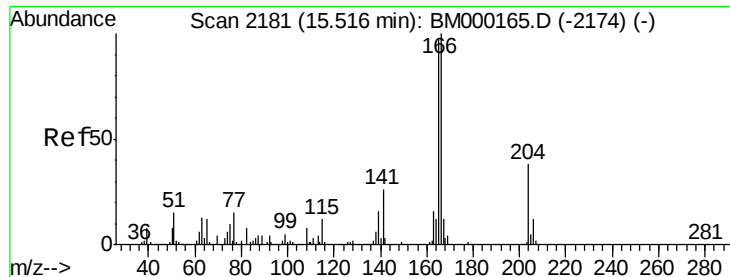


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 0.08 ng/ul

RT: 15.45 min Scan# 2170

Delta R.T. -0.08 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

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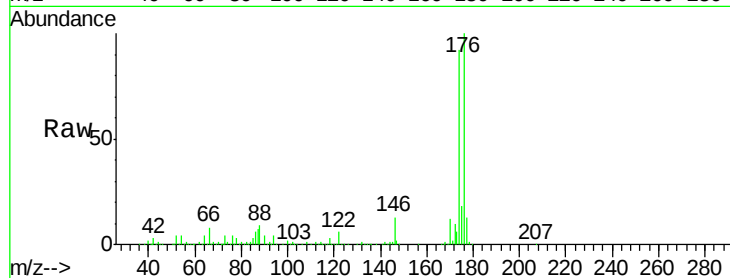
Tgt Ion:166 Resp: 1827

Ion Ratio Lower Upper

166 100

165 0.0 76.0 114.0#

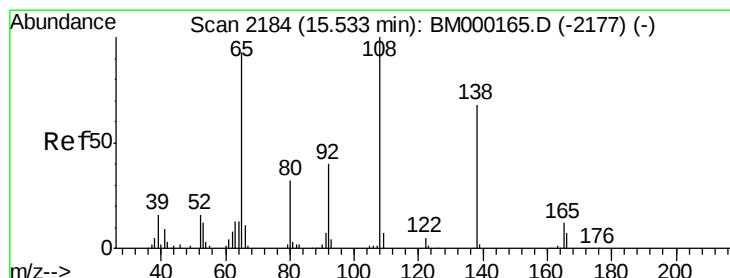
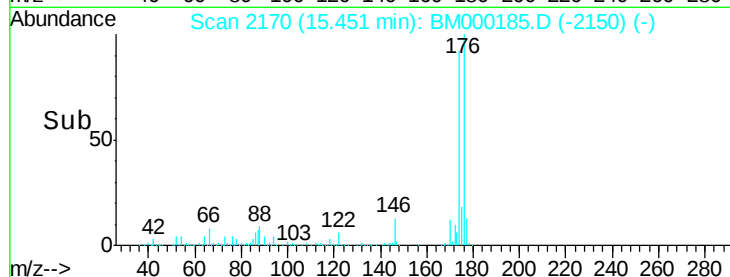
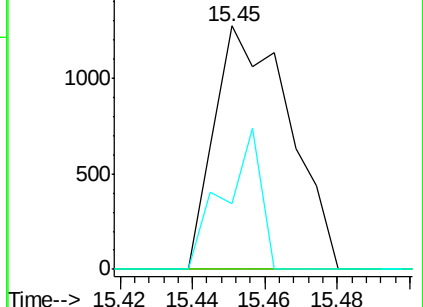
167 27.2 10.2 15.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Nitroaniline

Concen: 0.07 ng/ul

RT: 15.47 min Scan# 2173

Delta R.T. -0.08 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

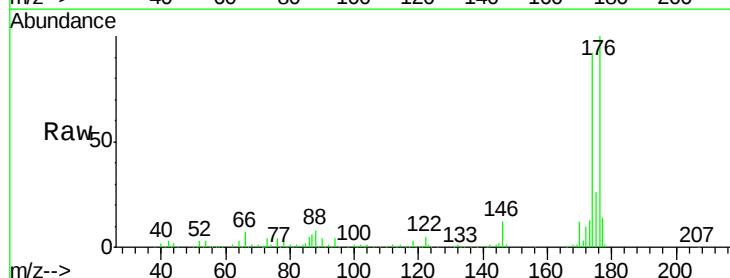
Tgt Ion:138 Resp: 325

Ion Ratio Lower Upper

138 100

92 265.9 49.3 73.9#

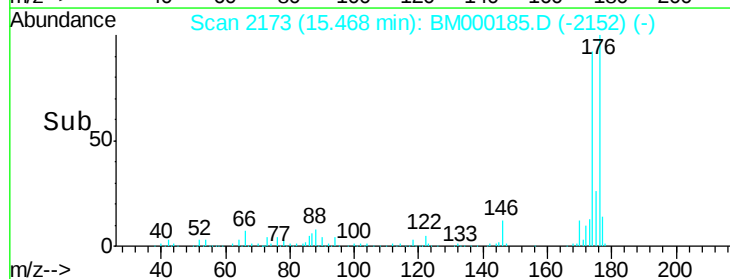
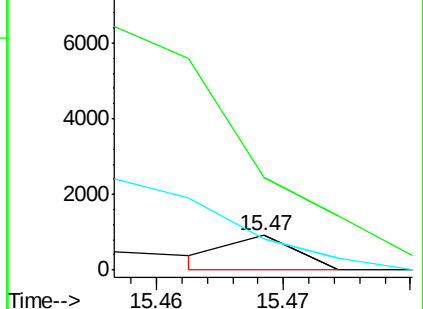
108 90.7 110.3 165.5#

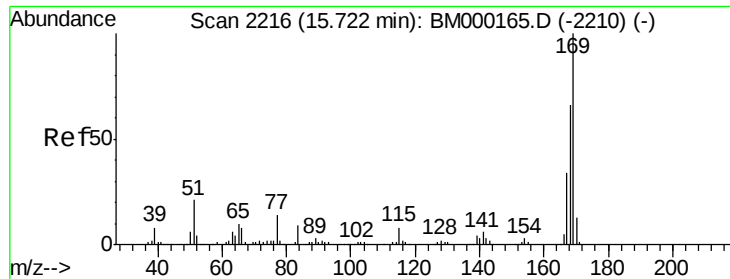


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E

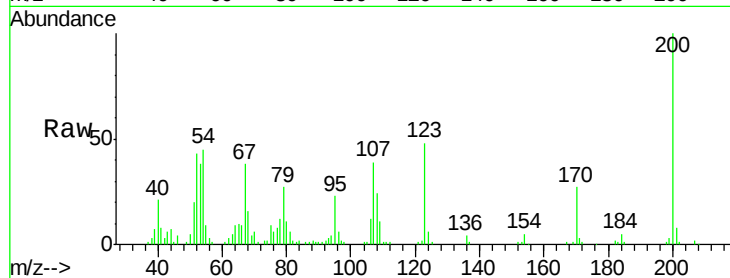




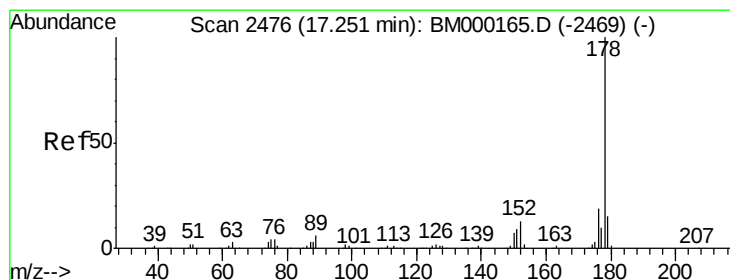
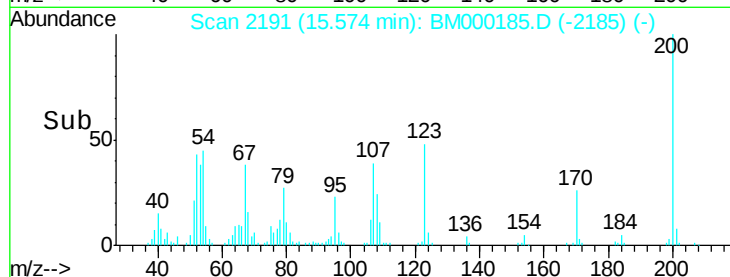
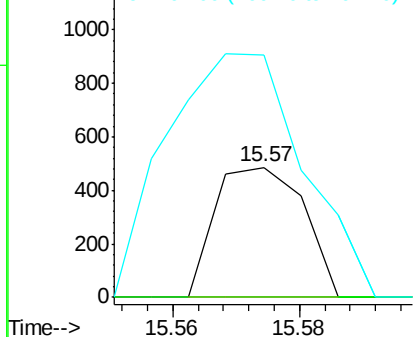
#64
N-Nitrosodiphenylamine
Concen: 0.03 ng/ul
RT: 15.57 min Scan# 2191
Delta R.T. -0.17 min
Lab File: BM000185.D
Acq: 14 Jan 2015 01:20

Instrument :
BNA_M
ClientSampleId :
C0AE3

Tgt Ion:169 Resp: 469
Ion Ratio Lower Upper
169 100
168 0.0 51.8 77.6#
167 186.8 28.1 42.1#

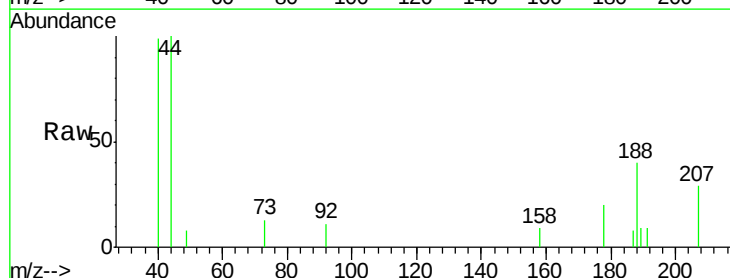


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

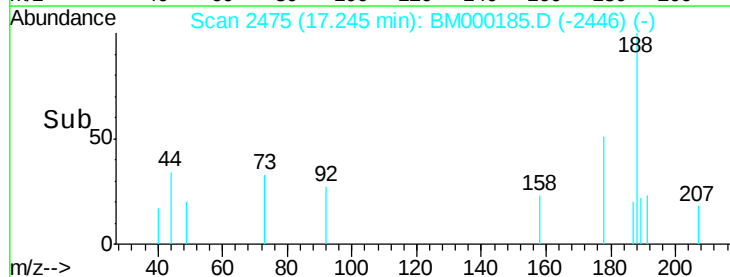
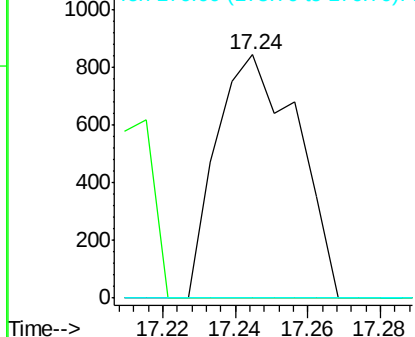


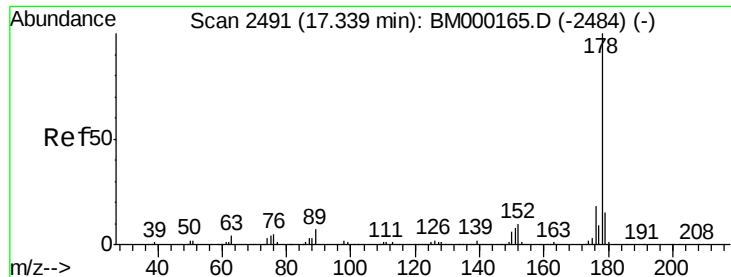
#69
Phenanthrene
Concen: 0.04 ng/ul
RT: 17.24 min Scan# 2475
Delta R.T. -0.03 min
Lab File: BM000185.D
Acq: 14 Jan 2015 01:20

Tgt Ion:178 Resp: 1324
Ion Ratio Lower Upper
178 100
179 0.0 11.6 17.4#
176 0.0 14.6 22.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 0.01 ng/ul

RT: 17.31 min Scan# 2486

Delta R.T. -0.04 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampleId :

C0AE3

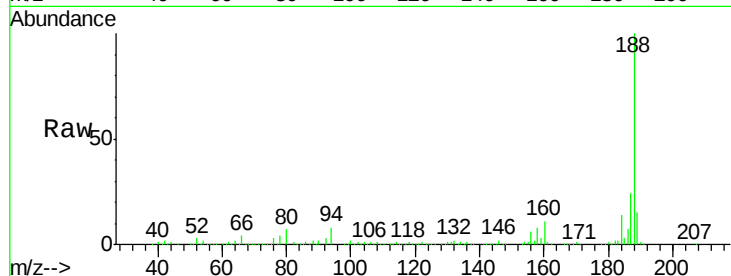
Tgt Ion:178 Resp: 257

Ion Ratio Lower Upper

178 100

179 116.6 12.6 18.8#

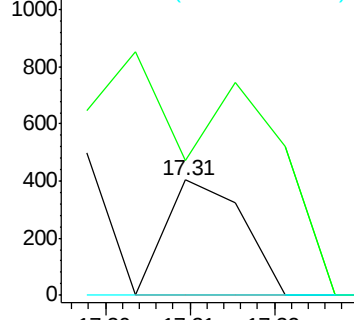
176 0.0 14.6 21.8#



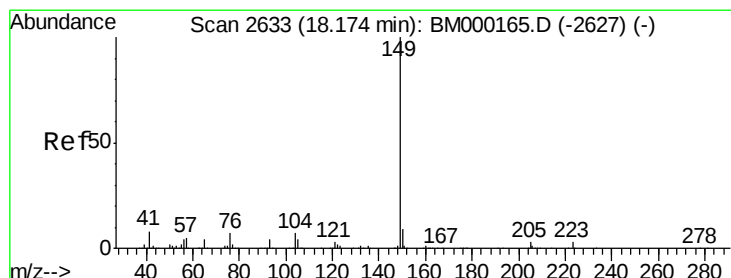
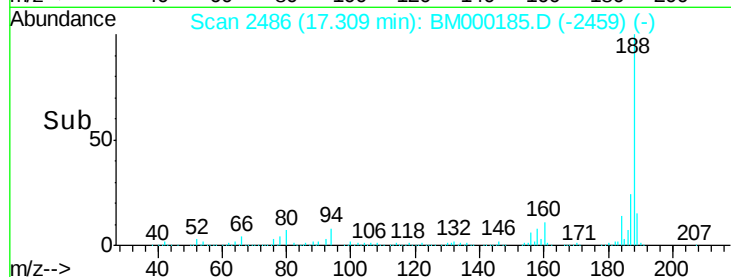
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#73

Di-n-butylphthalate

Concen: 0.02 ng/ul

RT: 18.17 min Scan# 2633

Delta R.T. -0.02 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

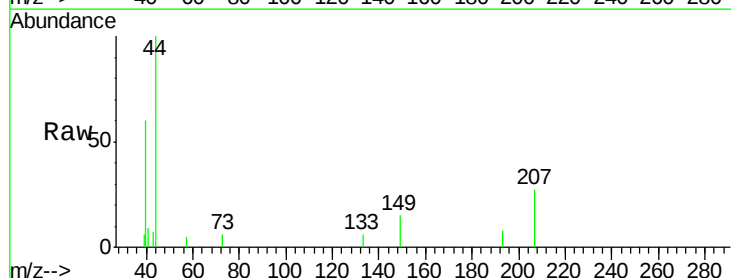
Tgt Ion:149 Resp: 920

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

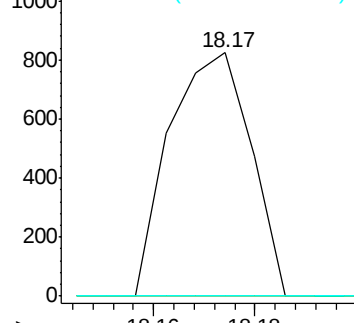
104 0.0 4.8 7.2#



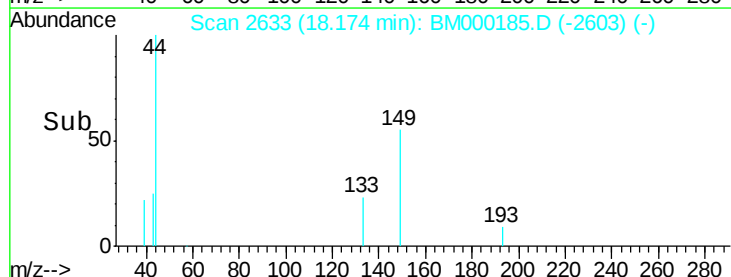
Abundance Ion 149.00 (148.70 to 149.70): E

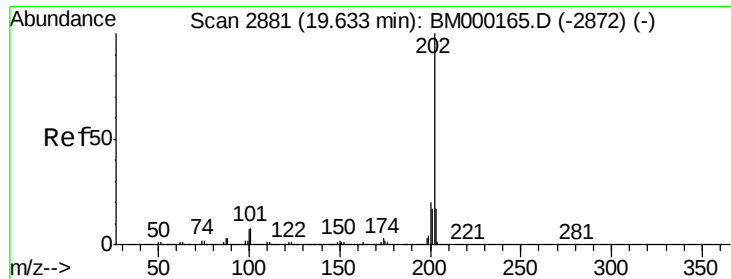
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#77

Pyrene

Concen: 0.04 ng/ul

RT: 19.60 min Scan# 2876

Delta R.T. -0.05 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampled :

C0AE3

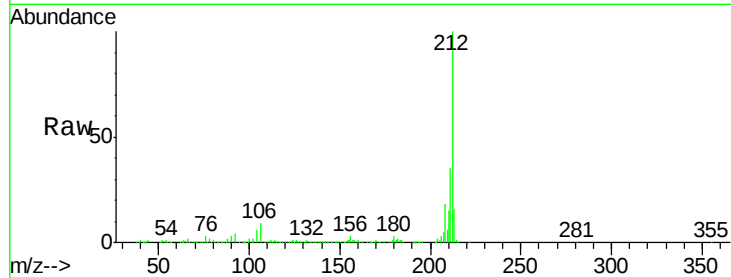
Tgt Ion:202 Resp: 1569

Ion Ratio Lower Upper

202 100

101 208.8 6.9 10.3#

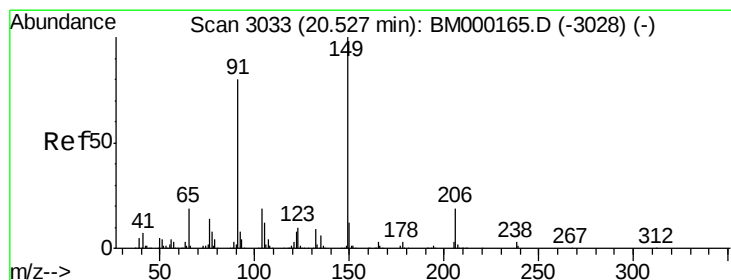
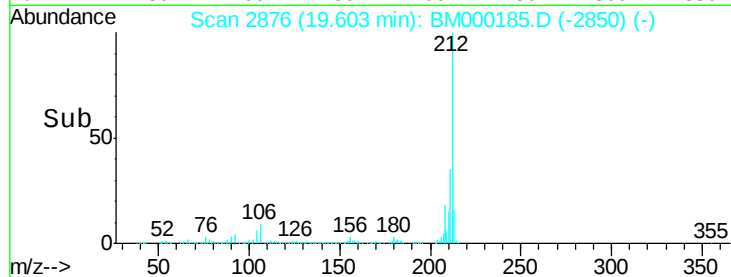
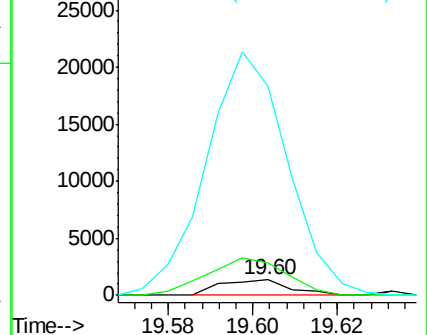
100 1353.0 5.5 8.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#78

Butylbenzylphthalate

Concen: 0.01 ng/ul

RT: 20.61 min Scan# 3047

Delta R.T. 0.06 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

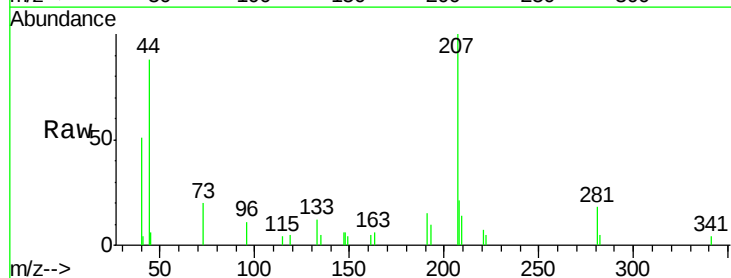
Tgt Ion:149 Resp: 226

Ion Ratio Lower Upper

149 100

91 0.0 56.6 84.8#

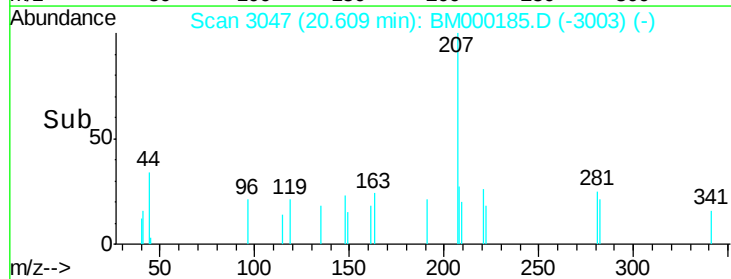
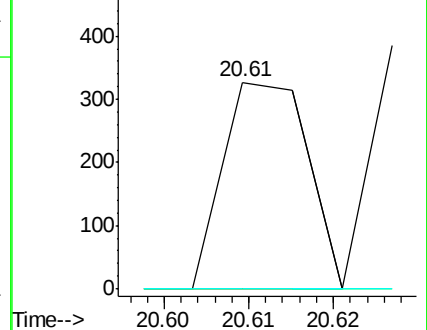
206 0.0 16.8 25.2#

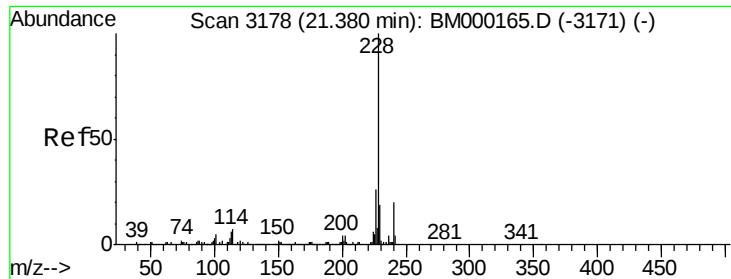


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.39 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampleId :

C0AE3

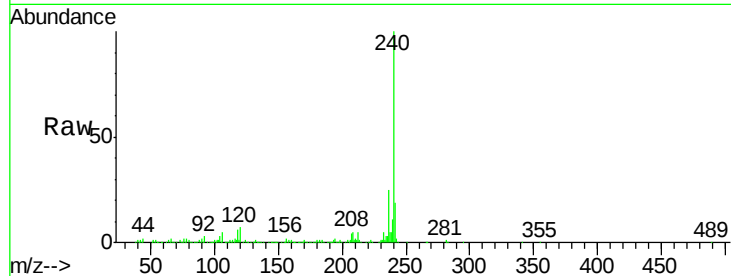
Tgt Ion:228 Resp: 1835

Ion Ratio Lower Upper

228 100

229 24.9 15.8 23.8#

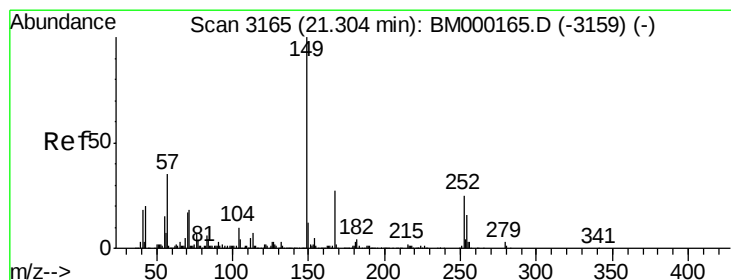
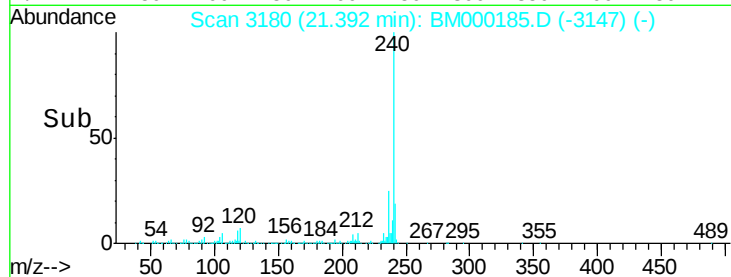
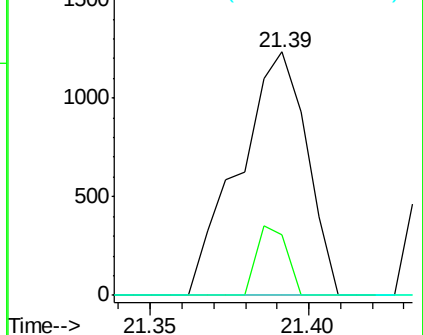
226 0.0 20.7 31.1#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng/ul

RT: 21.30 min Scan# 3164

Delta R.T. -0.03 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

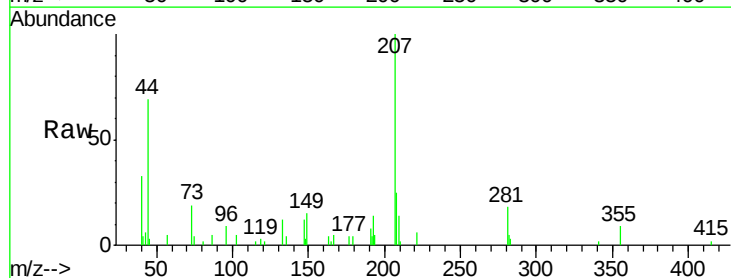
Tgt Ion:149 Resp: 2610

Ion Ratio Lower Upper

149 100

167 30.6 22.1 33.1

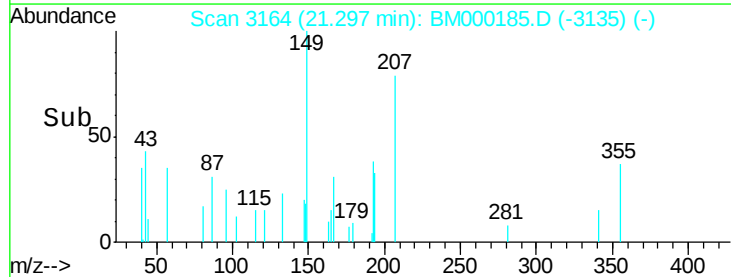
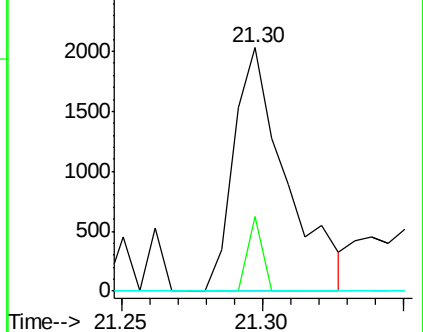
279 0.0 3.0 4.6#

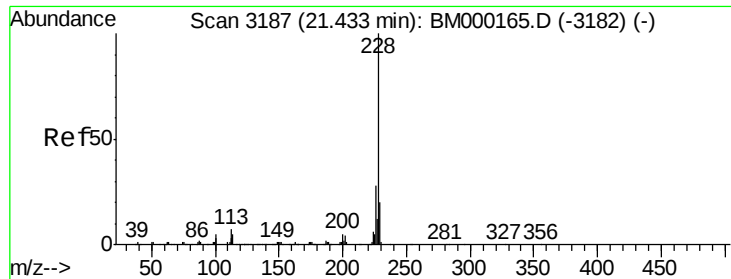


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 0.05 ng/ul

RT: 21.39 min Scan# 3180

Delta R.T. -0.05 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampleId :

C0AE3

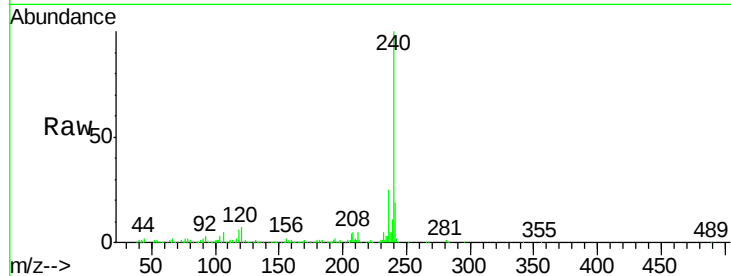
Tgt Ion:228 Resp: 1835

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.4#

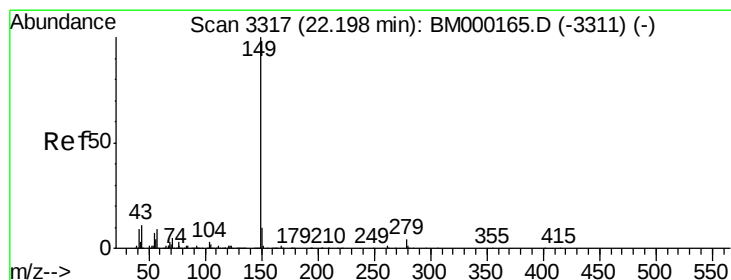
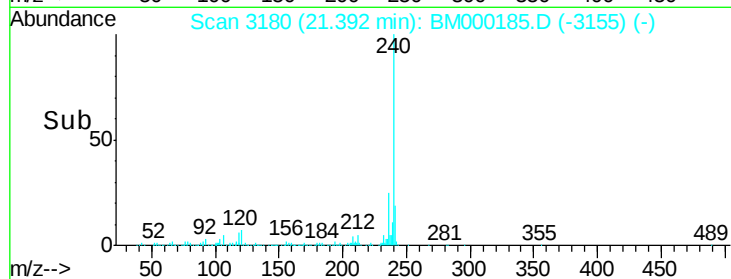
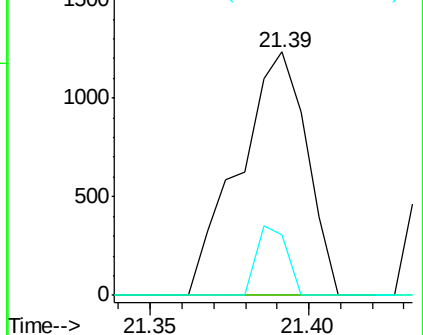
229 24.9 15.6 23.4#



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



#84

Di-n-octyl phthalate

Concen: 0.01 ng/ul

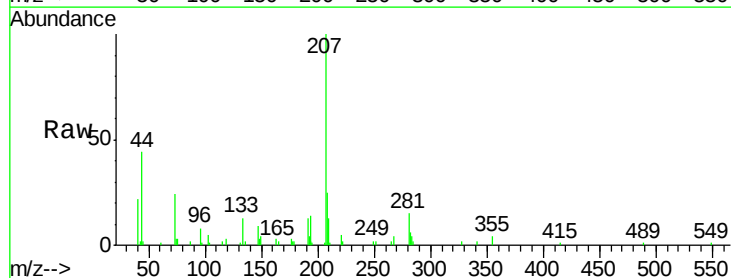
RT: 22.20 min Scan# 3317

Delta R.T. -0.03 min

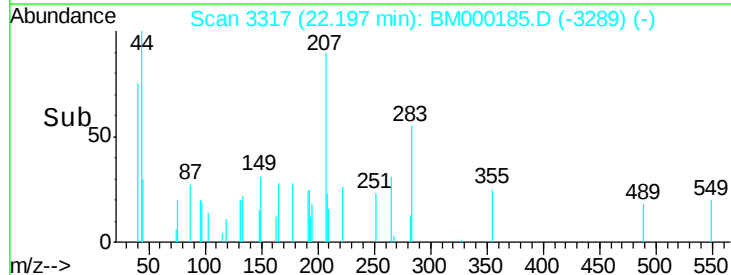
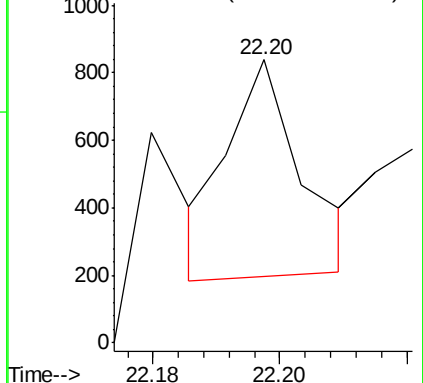
Lab File: BM000185.D

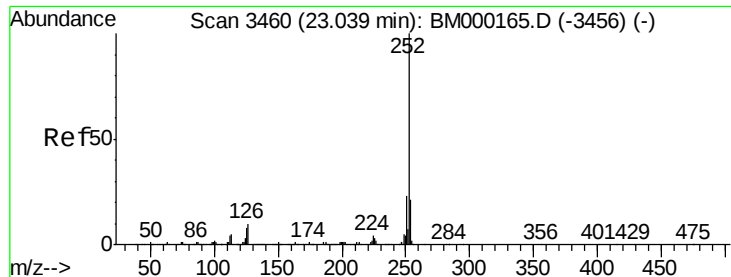
Acq: 14 Jan 2015 01:20

Tgt Ion:149 Resp: 521



Abundance Ion 149.00 (148.70 to 149.70): E





#86

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 23.20 min Scan# 3488

Delta R.T. 0.14 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

Instrument :

BNA_M

ClientSampleId :

C0AE3

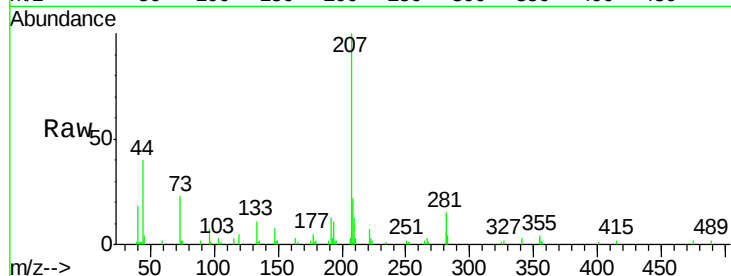
Tgt Ion:252 Resp: 251

Ion Ratio Lower Upper

252 100

253 93.2 17.2 25.8#

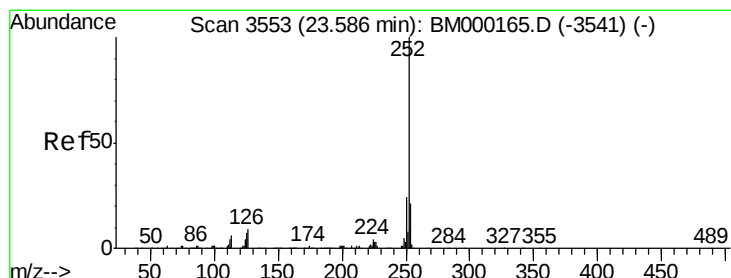
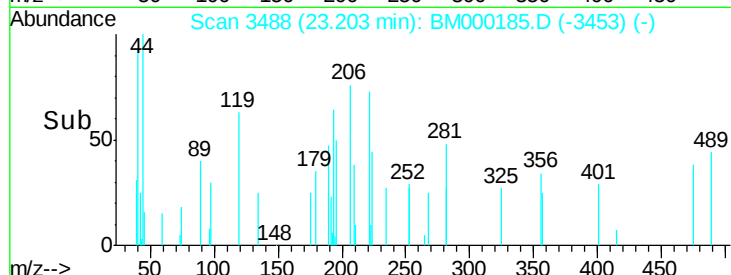
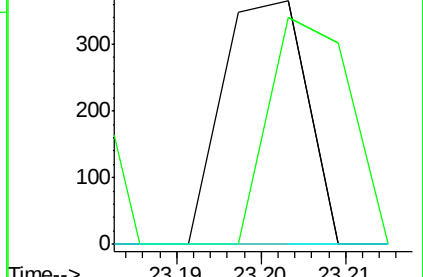
125 0.0 4.9 7.3#



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



#88

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.54 min Scan# 3545

Delta R.T. -0.08 min

Lab File: BM000185.D

Acq: 14 Jan 2015 01:20

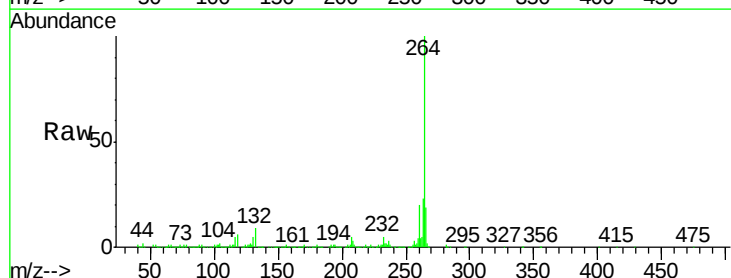
Tgt Ion:252 Resp: 2831

Ion Ratio Lower Upper

252 100

253 46.6 17.0 25.6#

125 41.6 5.8 8.6#



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

