

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011315\
 Data File : BM000184.D
 Acq On : 14 Jan 2015 00:44
 Operator : TP/IZ
 Sample : G1063-19
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AR1

Quant Time: Jan 14 13:00:19 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	118423	20.00	ng/ul	-0.03
18) Naphthalene-d8	10.62	136	483986	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.46	164	324027	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.20	188	652007	20.00	ng/ul	-0.02
75) Chrysene-d12	21.39	240	715554	20.00	ng/ul	-0.02
83) Perylene-d12	23.68	264	690972	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	656115	321.24	ng/uL	-0.03
5) Phenol-d5	6.99	99	58390	5.86	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	185290	29.42	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.36	132	165718	22.69	ng/ul	-0.01
13) 4-Methylphenol-d8	8.52	113	106622	13.45	ng/ul	-0.02
19) Nitrobenzene-d5	8.99	128	107331	32.07	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.70	143	112370	32.89	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.24	165	201223	26.66	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.75	131	294	0.03	ng/ul	-0.03
43) Dimethylphthalate-d6	13.87	166	860818	36.02	ng/ul	-0.02
46) Acenaphthylene-d8	14.16	160	955449	33.37	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.66	143	18457	4.75	ng/ul	0.00
57) Fluorene-d10	15.46	176	722103	35.19	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	108036	34.96	ng/ul	-0.02
70) Anthracene-d10	17.30	188	1196452	39.68	ng/ul	-0.01
76) Pyrene-d10	19.60	212	1350877	40.92	ng/ul	-0.02
87) Benzo(a)pyrene-d12	23.53	264	1220786	38.93	ng/ul	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.35	88	105390	37.23	ng/uL	91
8) Bis(2-Chloroethyl)ether	7.26	93	992	0.12	ng/ul#	56
12) 2,2'-oxybis(1-Chloropropan	8.52	45	876	0.07	ng/ul#	51
15) N-Nitroso-di-n-propylamine	8.53	70	3580	0.49	ng/ul#	1
20) Nitrobenzene	8.98	77	1290	0.13	ng/ul#	41
21) Isophorone	9.71	82	16883	0.88	ng/ul#	77
28) Naphthalene	10.67	128	439	0.02	ng/ul#	69
44) Dimethylphthalate	13.87	163	693	0.03	ng/ul#	1
45) 2,6-Dinitrotoluene	13.87	165	6317	1.48	ng/ul#	30
56) Diethylphthalate	15.28	149	3088	0.12	ng/ul#	92
58) Fluorene	15.46	166	1904	0.08	ng/ul#	9
60) 4-Nitroaniline	15.57	138	437	0.09	ng/ul#	1
63) 4,6-Dinitro-2-methylphenol	15.57	198	143	0.04	ng/ul#	1
64) N-Nitrosodiphenylamine	15.57	169	683	0.04	ng/ul#	2
69) Phenanthrene	17.30	178	333	0.01	ng/ul#	1
71) Anthracene	17.30	178	333	0.01	ng/ul#	1
73) Di-n-butylphthalate	18.17	149	1514	0.04	ng/ul#	78
77) Pyrene	19.60	202	1789	0.04	ng/ul#	1
78) Butylbenzylphthalate	20.52	149	1021	0.06	ng/ul#	55
80) Benzo(a)anthracene	21.39	228	1484	0.04	ng/ul#	68
81) Bis(2-ethylhexyl)phthalate	21.30	149	416656	16.34	ng/ul	96
82) Chrysene	21.39	228	1484	0.04	ng/ul#	64
84) Di-n-octyl phthalate	22.21	149	312	0.01	ng/ul	100

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 14 12:47:10 2015
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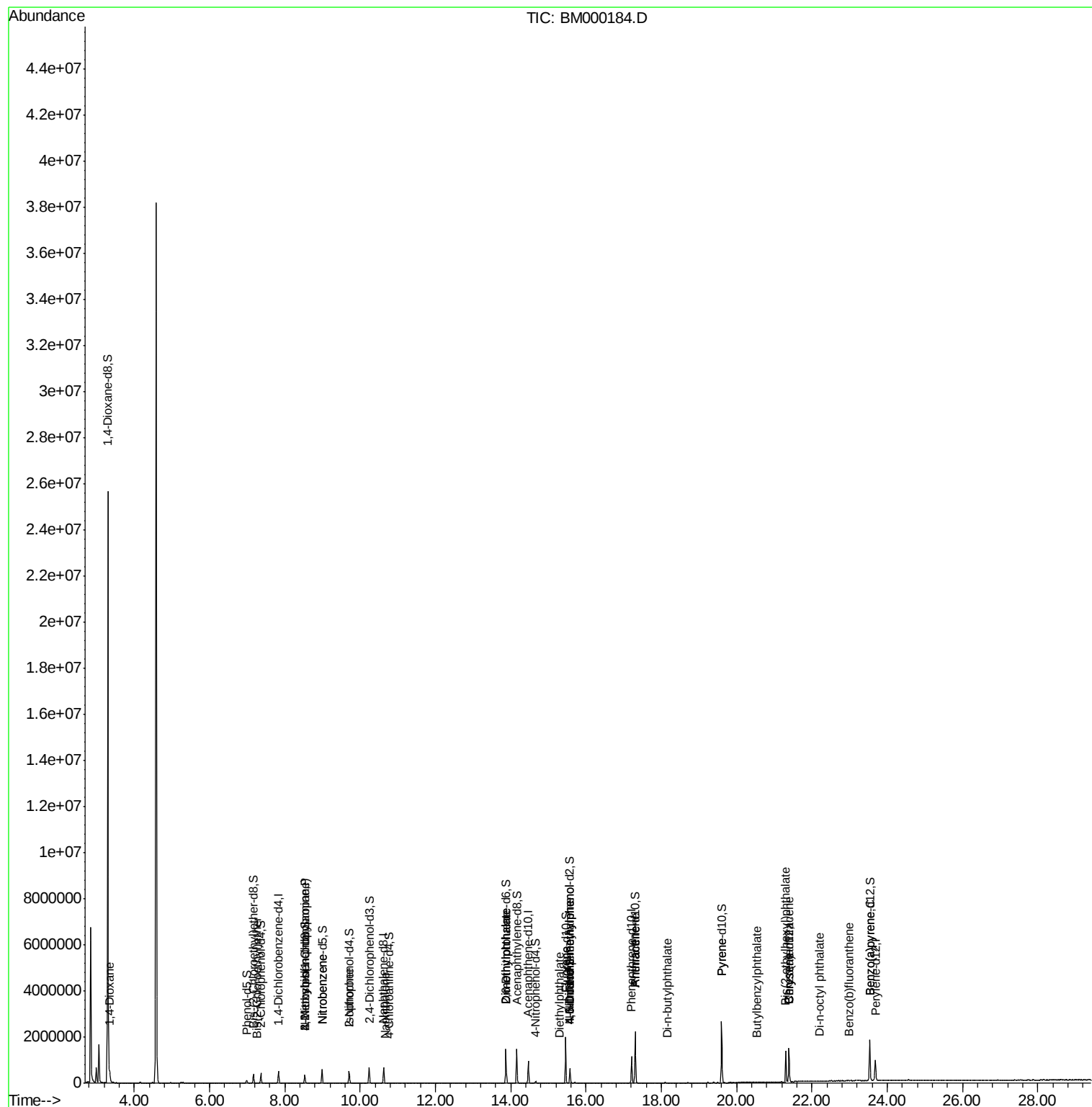
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Benzo(b)fluoranthene	22.98	252	143	0.00	ng/ul#	1
88) Benzo(a)pyrene	23.53	252	4132	0.11	ng/ul#	66

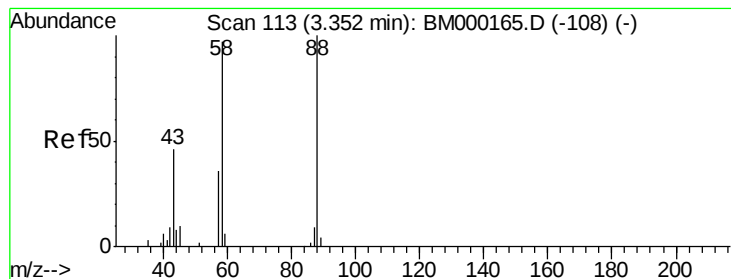
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 37.23 ng/uL

RT: 3.35 min Scan# 113

Delta R.T. -0.01 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

BNA_M

ClientSampled :

C0AR1

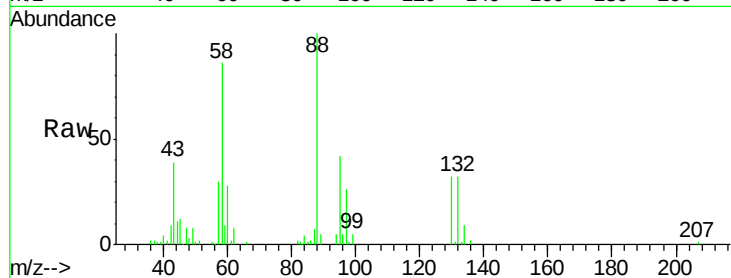
Tgt Ion: 88 Resp: 105390

Ion Ratio Lower Upper

88 100

43 43.0 34.9 52.3

58 95.7 67.3 100.9

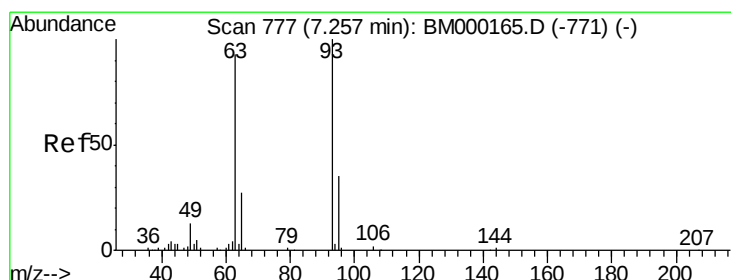
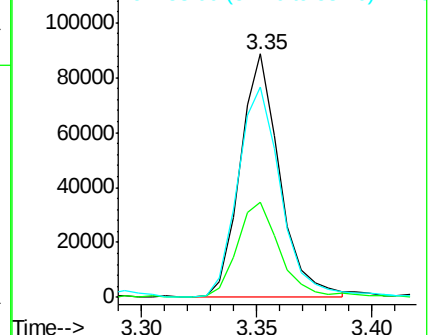
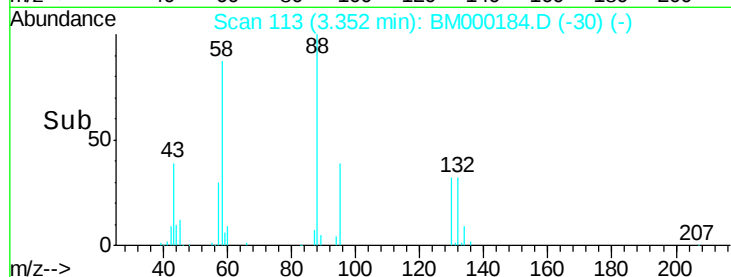


Abundance

Ion 88.00 (87.70 to 88.70): BM000184.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM000184.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM000184.D (-30) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.12 ng/uL

RT: 7.26 min Scan# 777

Delta R.T. -0.01 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

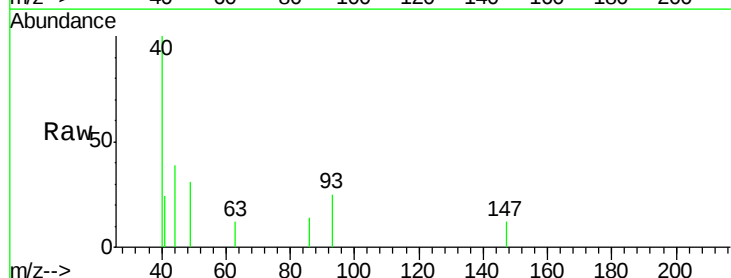
Tgt Ion: 93 Resp: 992

Ion Ratio Lower Upper

93 100

63 49.1 68.9 103.3#

95 0.0 24.6 37.0#

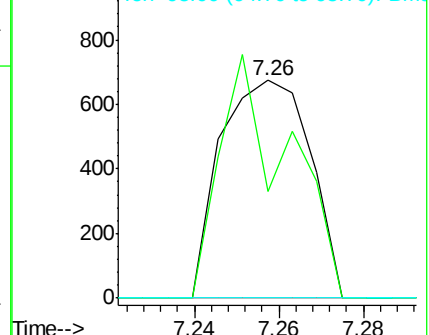
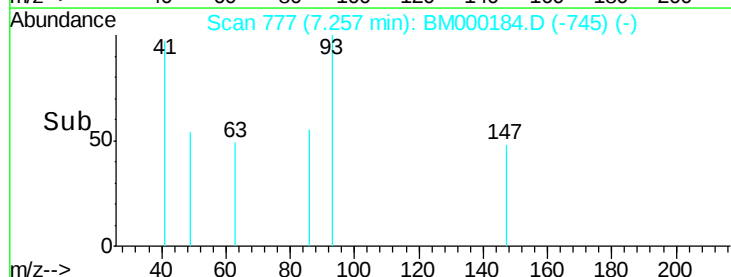


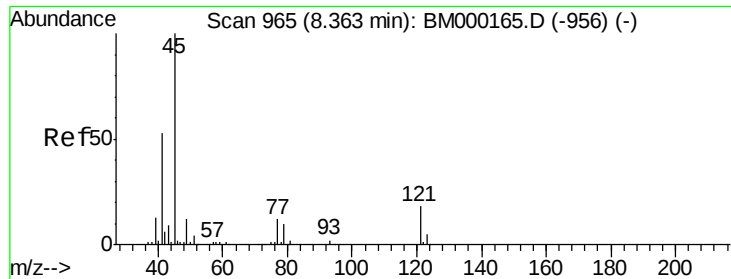
Abundance

Ion 93.00 (92.70 to 93.70): BM000184.D (-745) (-)

Ion 63.00 (62.70 to 63.70): BM000184.D (-745) (-)

Ion 95.00 (94.70 to 95.70): BM000184.D (-745) (-)

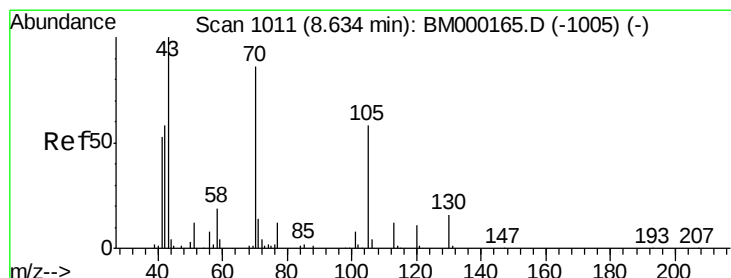
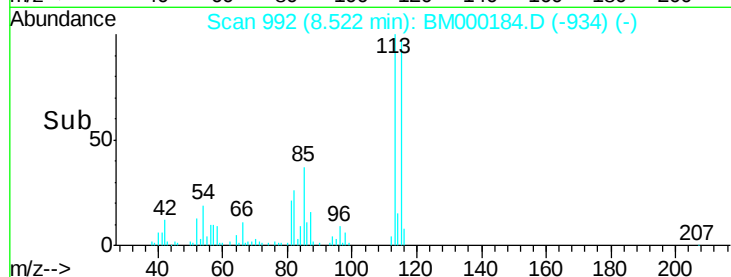
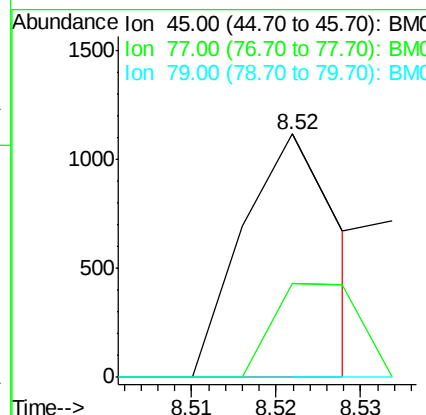
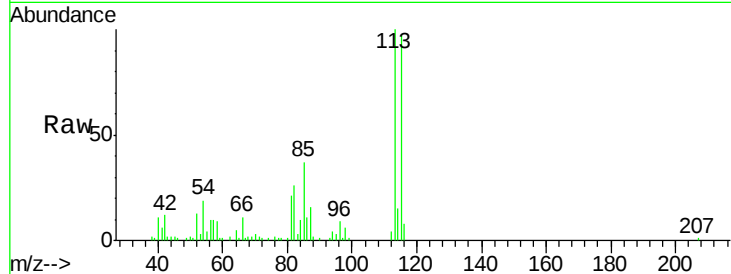




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.07 ng/ul
 RT: 8.52 min Scan# 992
 Delta R.T. 0.14 min
 Lab File: BM000184.D
 Acq: 14 Jan 2015 00:44

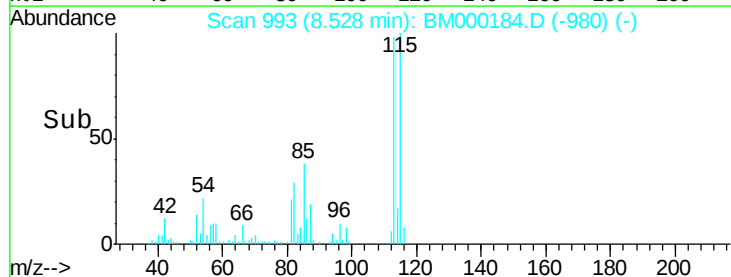
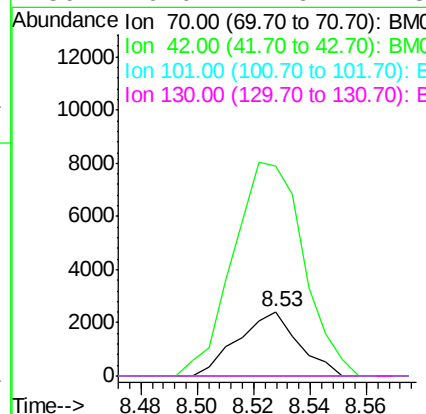
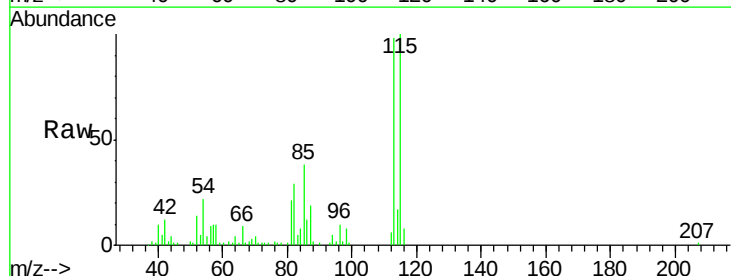
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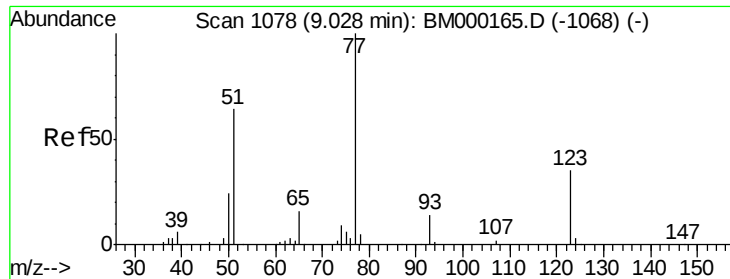
Tgt Ion: 45 Resp: 876
 Ion Ratio Lower Upper
 45 100
 77 38.4 9.9 14.9#
 79 0.0 8.3 12.5#



#15
 N-Nitroso-di-n-propylamine
 Concen: 0.49 ng/ul
 RT: 8.53 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: BM000184.D
 Acq: 14 Jan 2015 00:44

Tgt Ion: 70 Resp: 3580
 Ion Ratio Lower Upper
 70 100
 42 328.1 46.4 69.6#
 101 0.0 7.8 11.8#
 130 0.0 14.6 21.8#

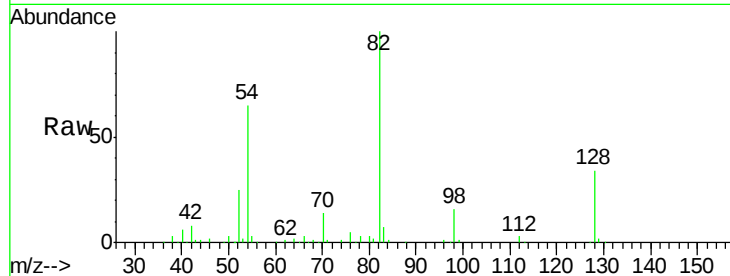




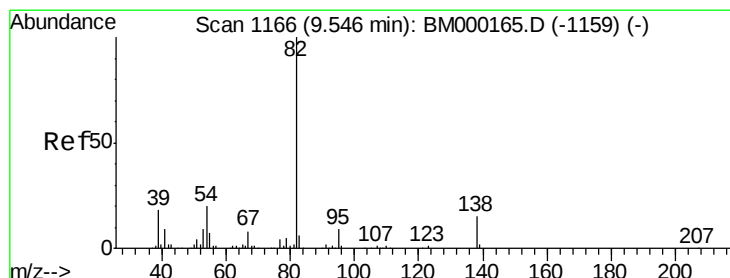
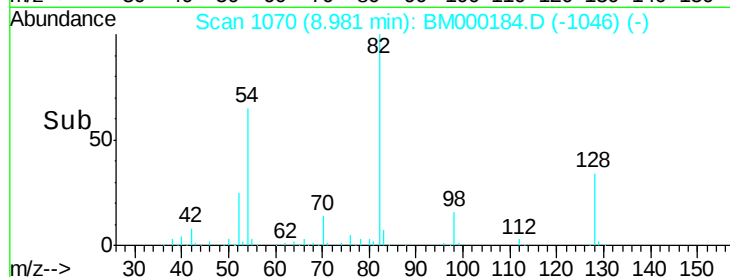
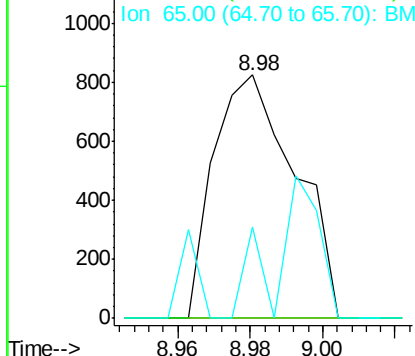
#20
Nitrobenzene
Concen: 0.13 ng/ul
RT: 8.98 min Scan# 1070
Delta R.T. -0.06 min
Lab File: BM000184.D
Acq: 14 Jan 2015 00:44

Instrument :
BNA_M
ClientSampled :
C0AR1

Tgt Ion: 77 Resp: 1290
Ion Ratio Lower Upper
77 100
123 0.0 29.2 43.8#
65 37.6 12.4 18.6#

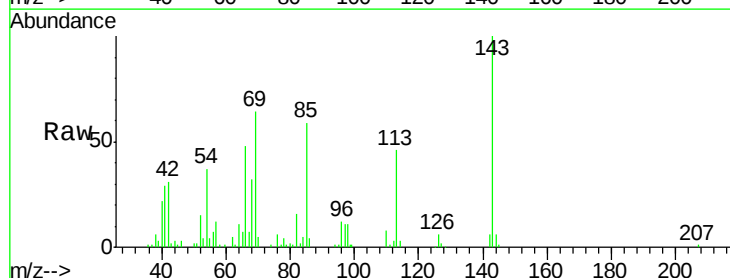


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BM0

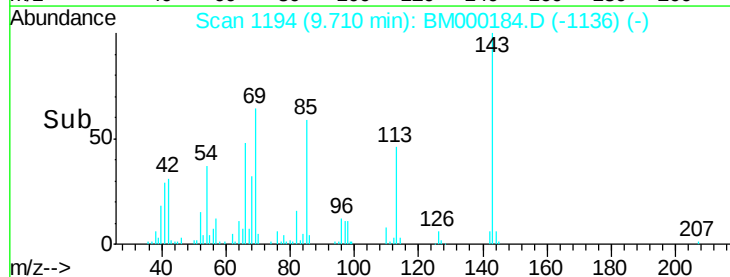
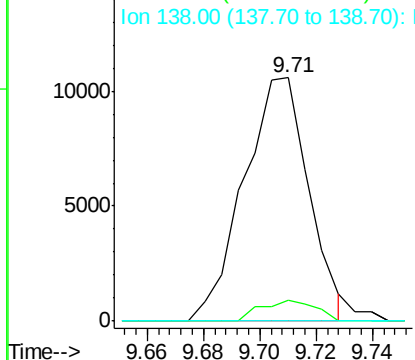


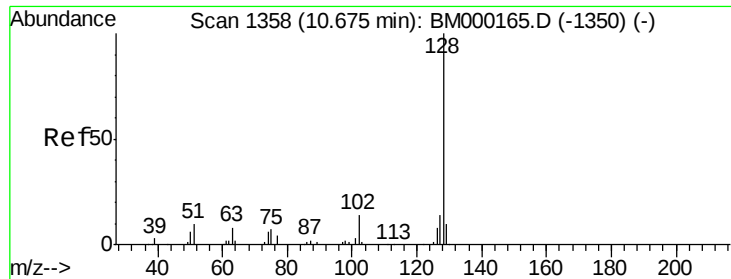
#21
Isophorone
Concen: 0.88 ng/ul
RT: 9.71 min Scan# 1194
Delta R.T. 0.14 min
Lab File: BM000184.D
Acq: 14 Jan 2015 00:44

Tgt Ion: 82 Resp: 16883
Ion Ratio Lower Upper
82 100
95 8.6 6.9 10.3
138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 95.00 (94.70 to 95.70): BM0
Ion 138.00 (137.70 to 138.70): B





#28

Naphthalene

Concen: 0.02 ng/ul

RT: 10.67 min Scan# 1357

Delta R.T. -0.02 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

BNA_M

ClientSampleId :

C0AR1

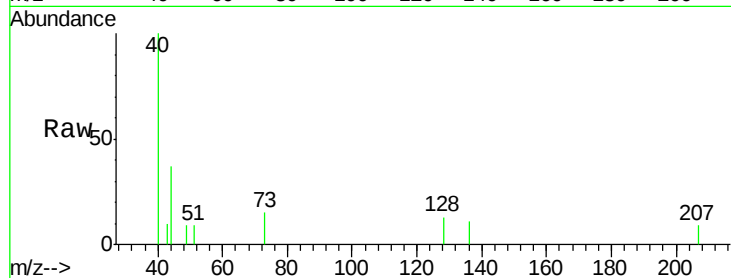
Tgt Ion:128 Resp: 439

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

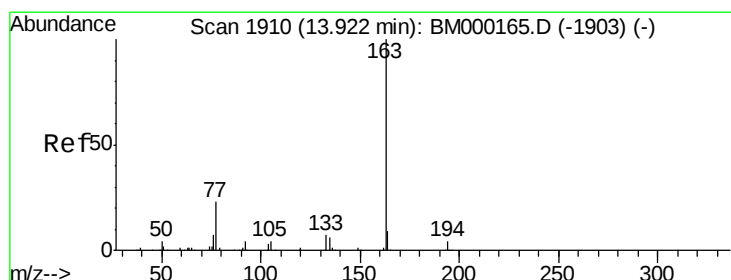
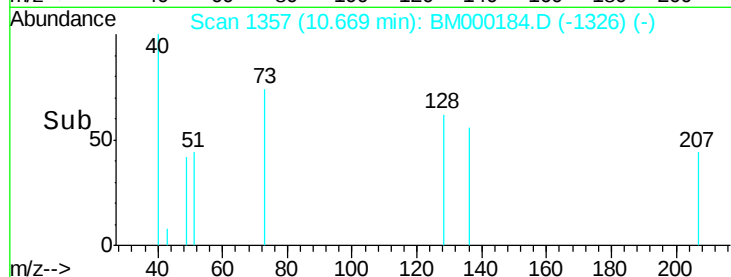
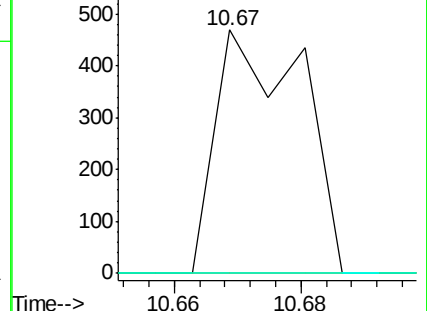
127 0.0 10.3 15.5#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 0.03 ng/ul

RT: 13.87 min Scan# 1902

Delta R.T. -0.06 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

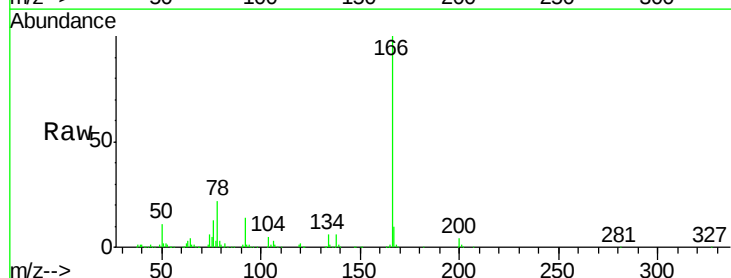
Tgt Ion:163 Resp: 693

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

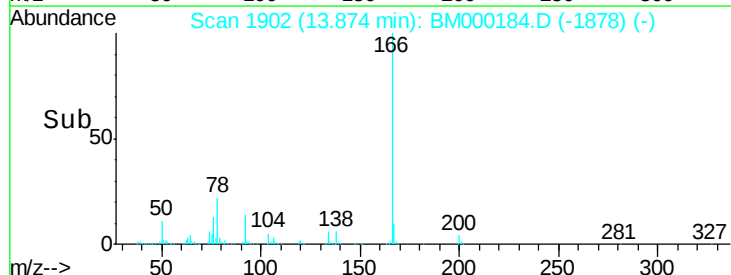
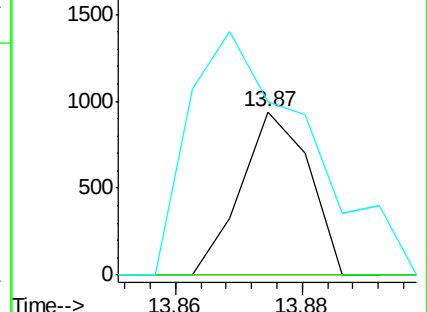
164 106.0 8.5 12.7#

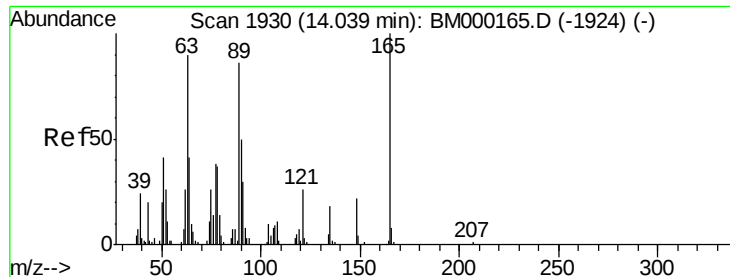


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#45

2,6-Dinitrotoluene

Concen: 1.48 ng/ul

RT: 13.87 min Scan# 1902

Delta R.T. -0.19 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

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ClientSampleId :

C0AR1

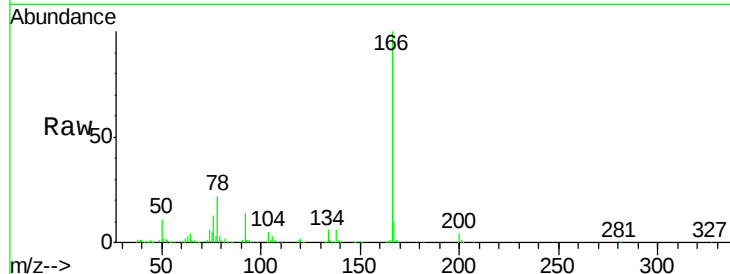
Tgt Ion:165 Resp: 6317

Ion Ratio Lower Upper

165 100

89 0.0 54.4 81.6#

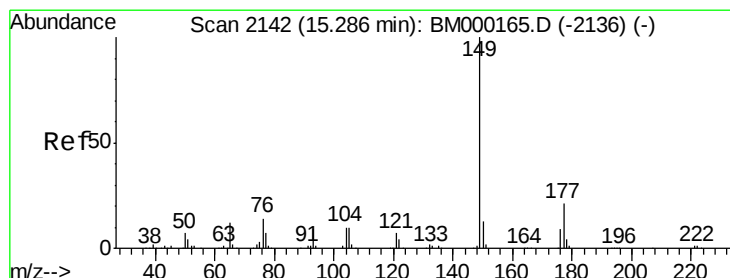
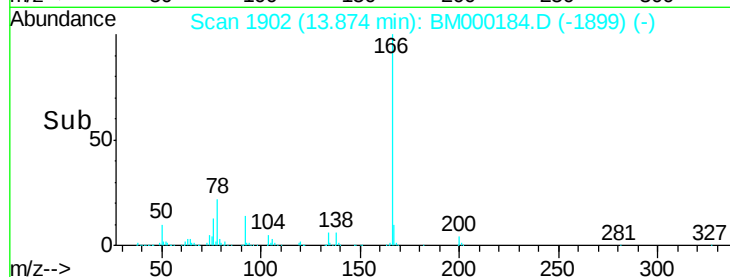
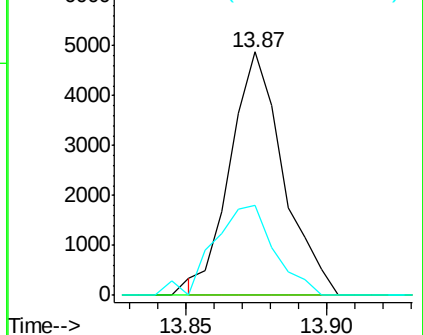
121 36.9 18.6 28.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM000165.D (-1924) (-)

Ion 121.00 (120.70 to 121.70): E



#56

Diethylphthalate

Concen: 0.12 ng/ul

RT: 15.28 min Scan# 2141

Delta R.T. -0.03 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

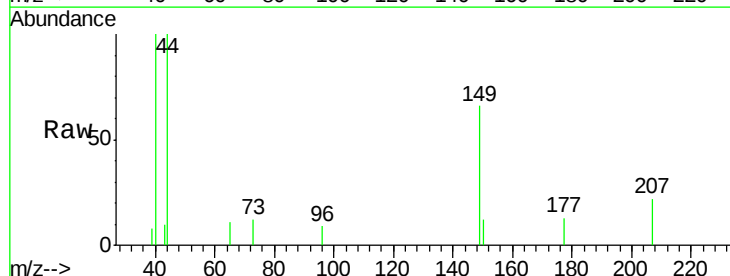
Tgt Ion:149 Resp: 3088

Ion Ratio Lower Upper

149 100

177 19.1 17.4 26.2

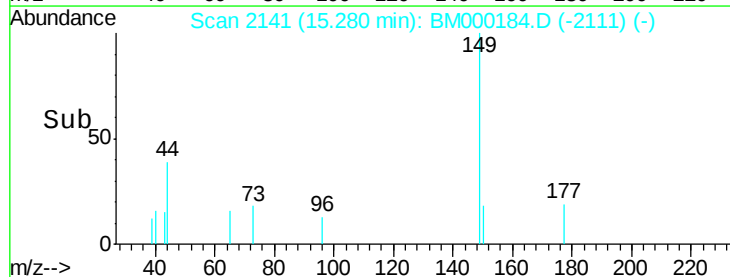
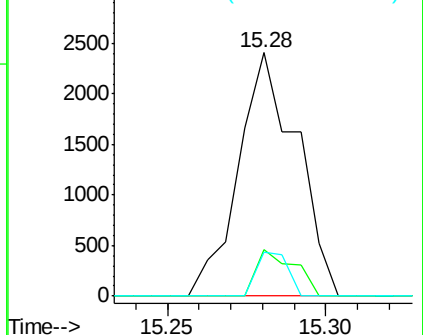
150 17.8 10.5 15.7#

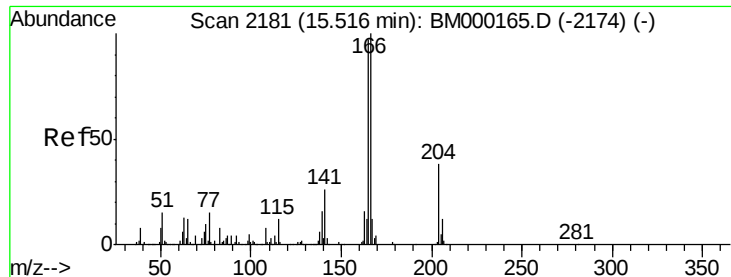


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

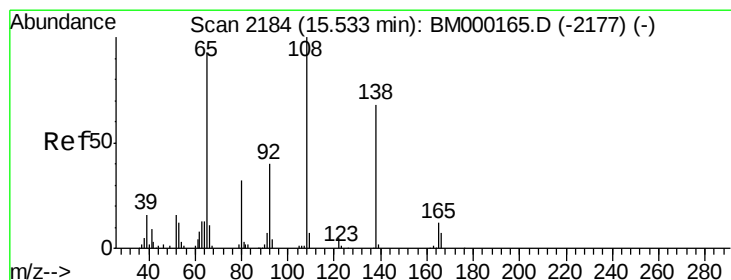
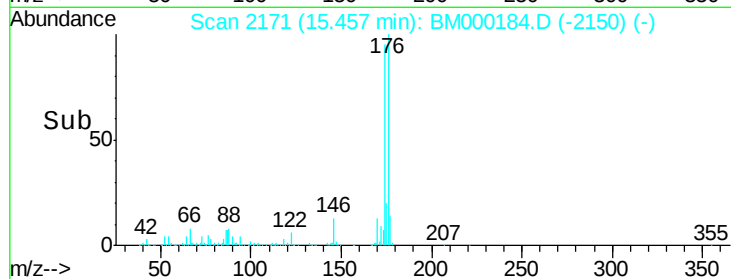
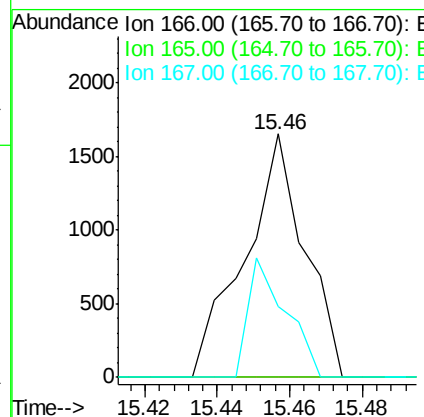
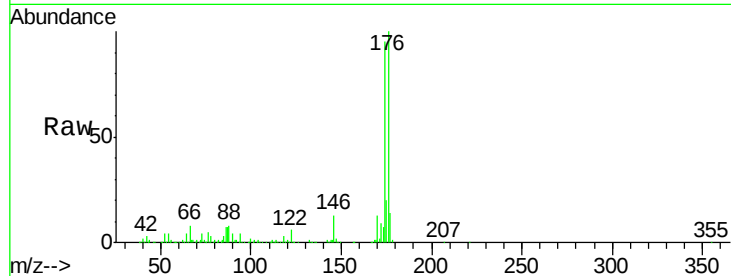




#58
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.46 min Scan# 2171
 Delta R.T. -0.08 min
 Lab File: BM000184.D
 Acq: 14 Jan 2015 00:44

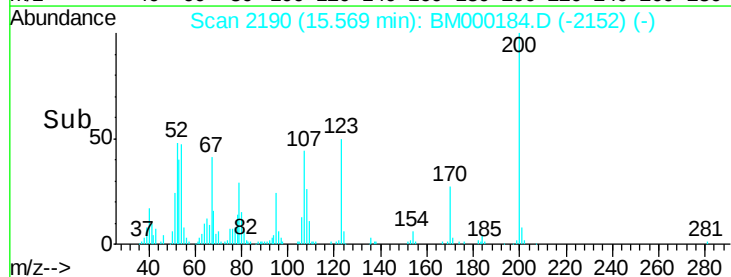
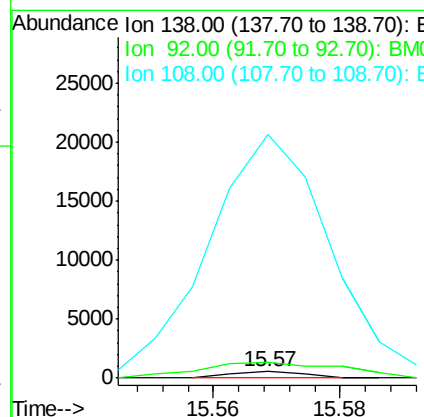
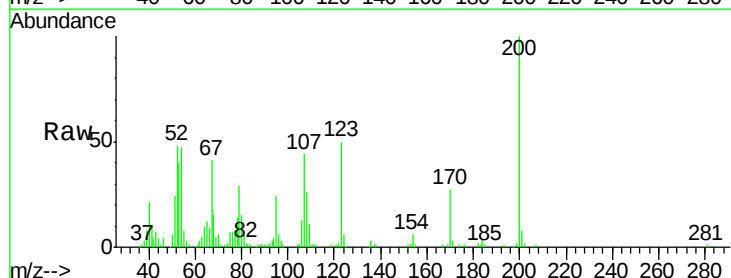
Instrument :
 BNA_M
 ClientSampleId :
 C0AR1

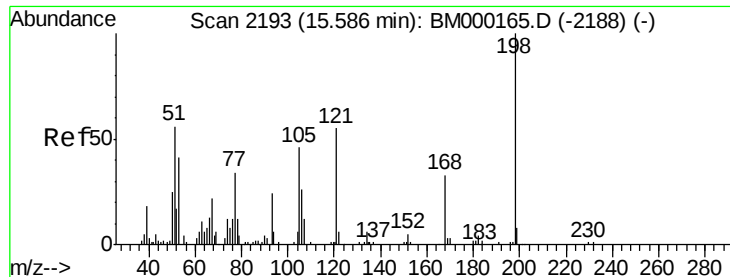
Tgt Ion:166 Resp: 1904
 Ion Ratio Lower Upper
 166 100
 165 0.0 76.0 114.0#
 167 29.1 10.2 15.4#



#60
 4-Nitroaniline
 Concen: 0.09 ng/ul
 RT: 15.57 min Scan# 2190
 Delta R.T. 0.02 min
 Lab File: BM000184.D
 Acq: 14 Jan 2015 00:44

Tgt Ion:138 Resp: 437
 Ion Ratio Lower Upper
 138 100
 92 242.3 49.3 73.9#
 108 3843.6 110.3 165.5#





#63

4,6-Dinitro-2-methylphenol

Concen: 0.04 ng/ul

RT: 15.57 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

BNA_M

ClientSampleId :

C0AR1

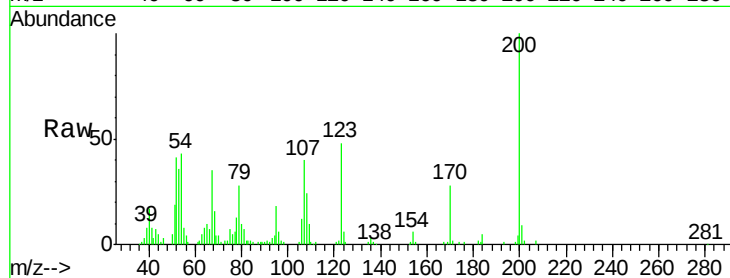
Tgt Ion:198 Resp: 143

Ion Ratio Lower Upper

198 100

182 340.1 2.6 4.0#

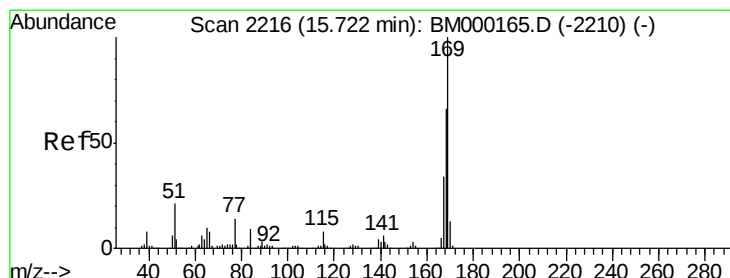
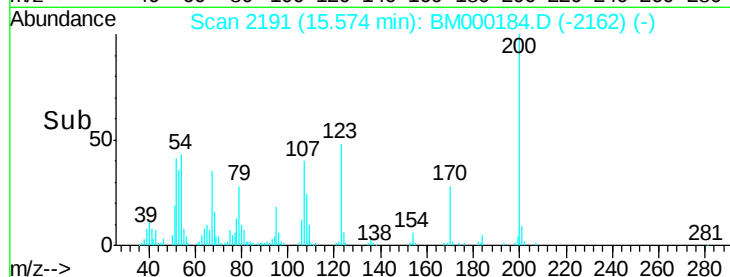
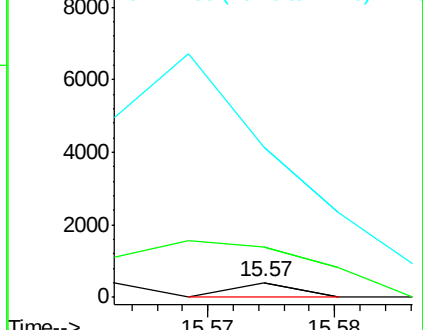
77 1027.5 25.2 37.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E



#64

N-Nitrosodiphenylamine

Concen: 0.04 ng/ul

RT: 15.57 min Scan# 2191

Delta R.T. -0.17 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

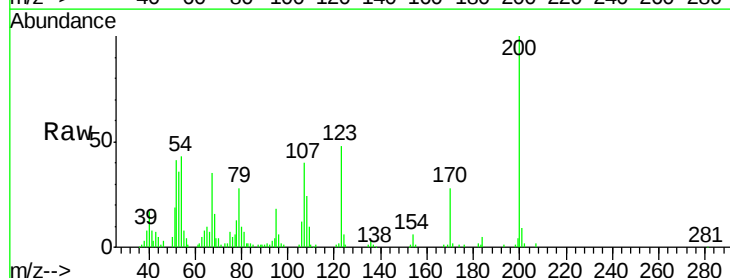
Tgt Ion:169 Resp: 683

Ion Ratio Lower Upper

169 100

168 0.0 51.8 77.6#

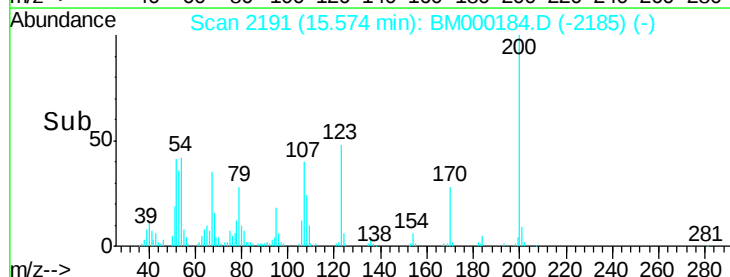
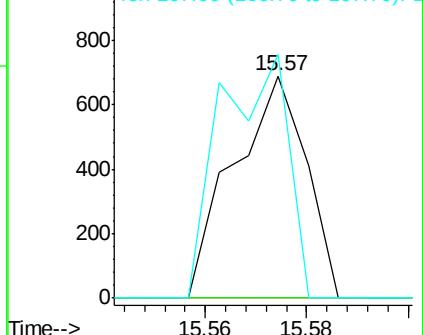
167 109.6 28.1 42.1#

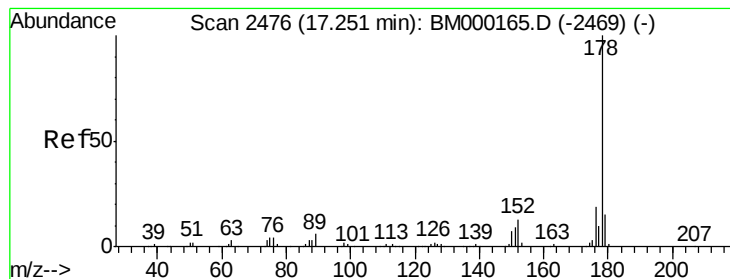


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.30 min Scan# 2485

Delta R.T. 0.03 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

BNA_M

ClientSampleId :

C0AR1

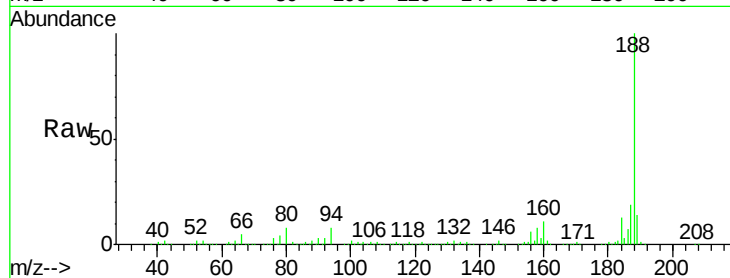
Tgt Ion:178 Resp: 333

Ion Ratio Lower Upper

178 100

179 212.3 11.6 17.4#

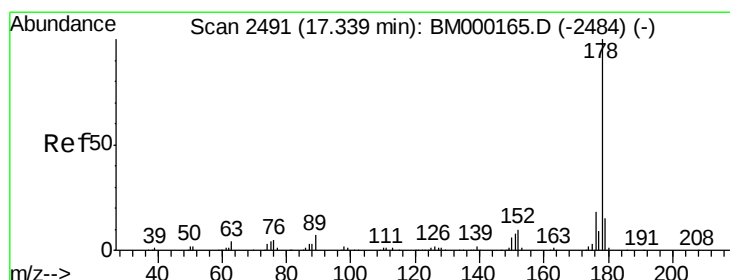
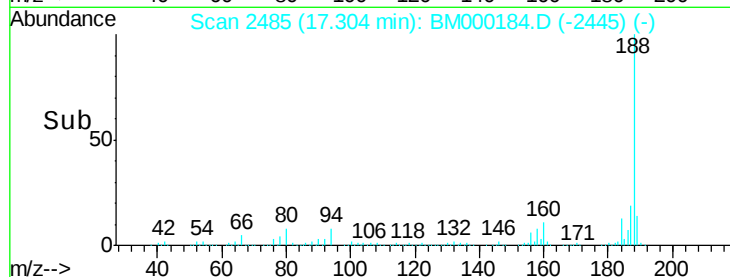
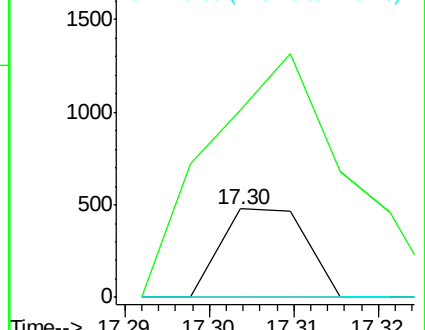
176 0.0 14.6 22.0#



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: 17.30 min Scan# 2485

Delta R.T. -0.05 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

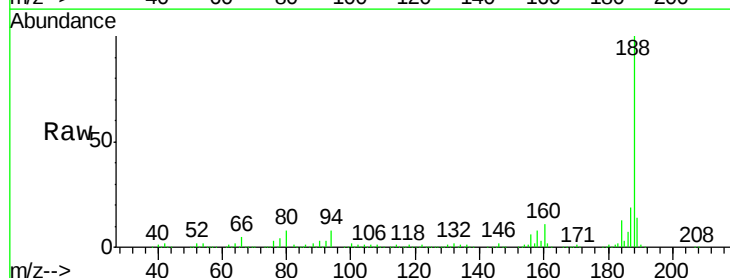
Tgt Ion:178 Resp: 333

Ion Ratio Lower Upper

178 100

179 212.3 12.6 18.8#

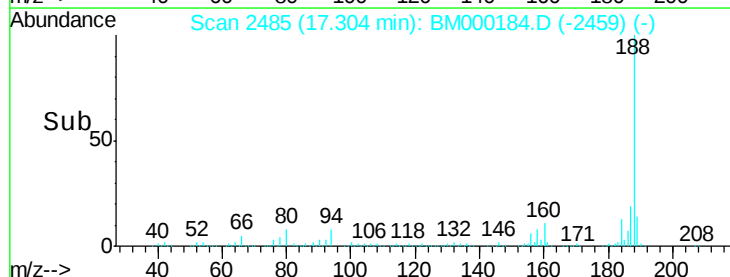
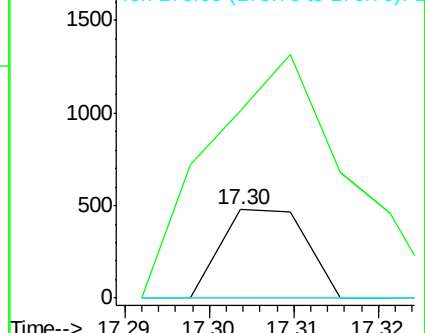
176 0.0 14.6 21.8#

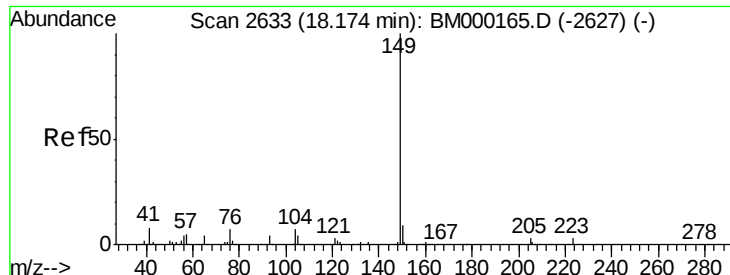


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 0.04 ng/ul

RT: 18.17 min Scan# 2632

Delta R.T. -0.03 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

BNA_M

ClientSampleId :

C0AR1

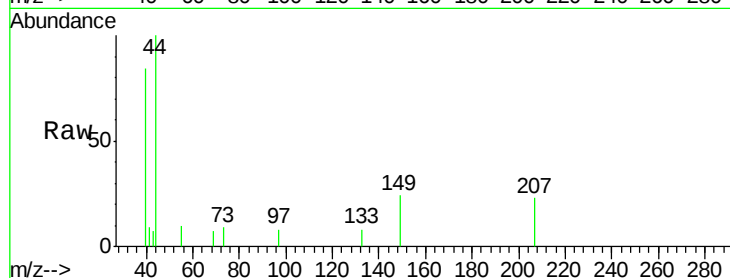
Tgt Ion:149 Resp: 1514

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

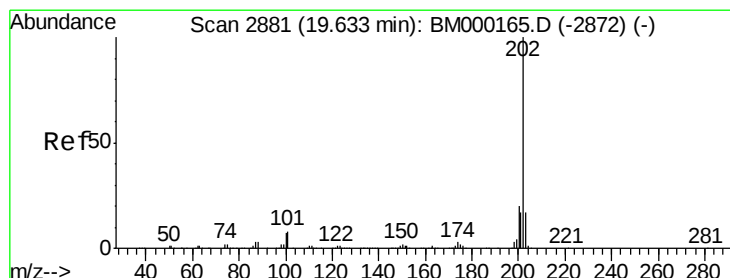
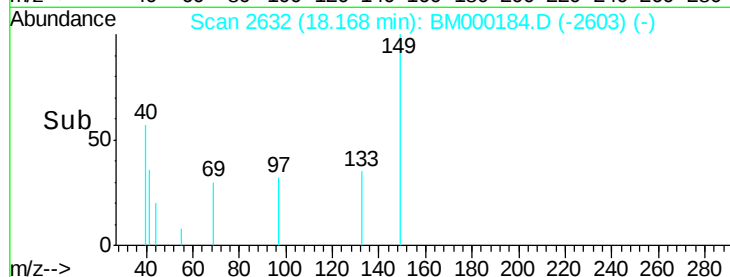
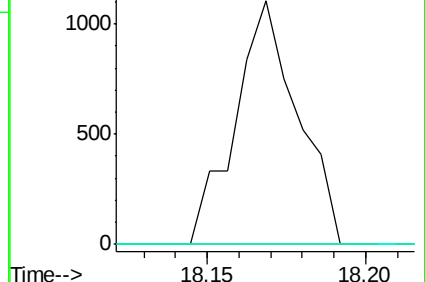
104 0.0 4.8 7.2#



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



#77

Pyrene

Concen: 0.04 ng/ul

RT: 19.60 min Scan# 2875

Delta R.T. -0.05 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

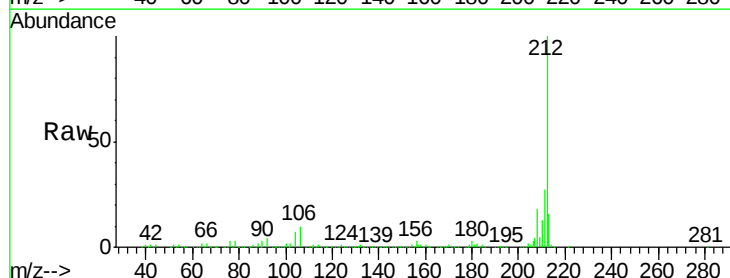
Tgt Ion:202 Resp: 1789

Ion Ratio Lower Upper

202 100

101 199.0 6.9 10.3#

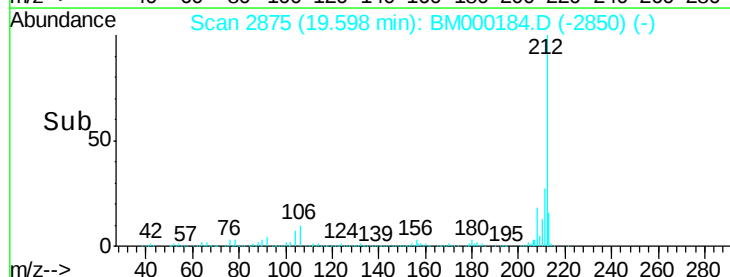
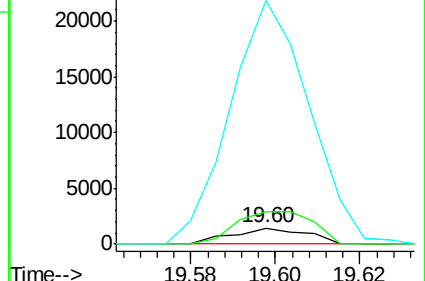
100 1500.5 5.5 8.3#

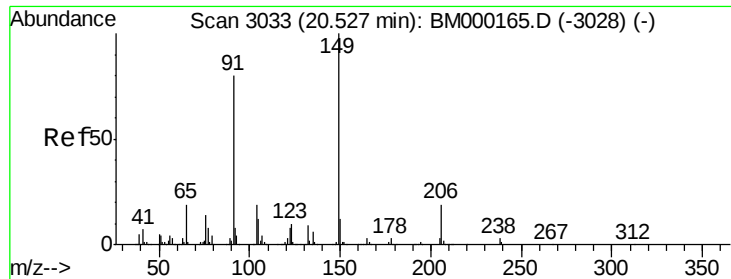


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

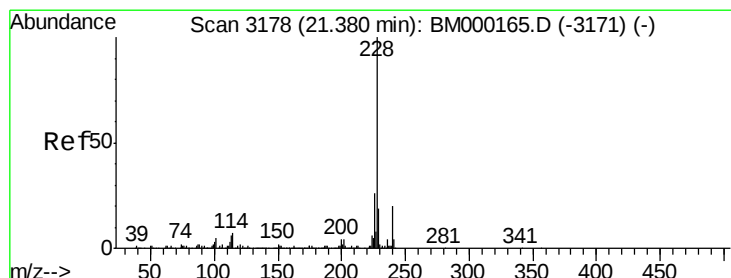
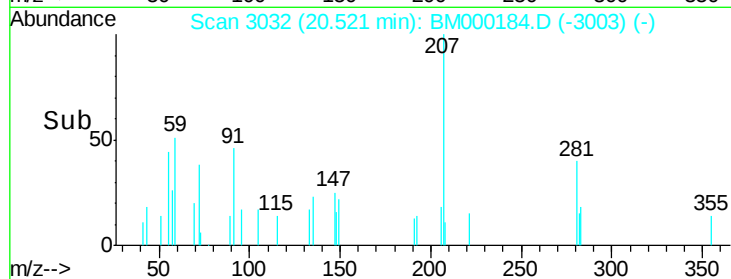
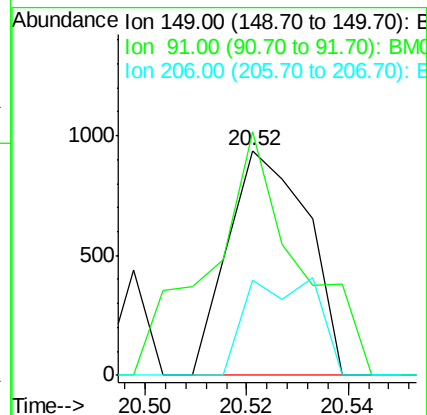
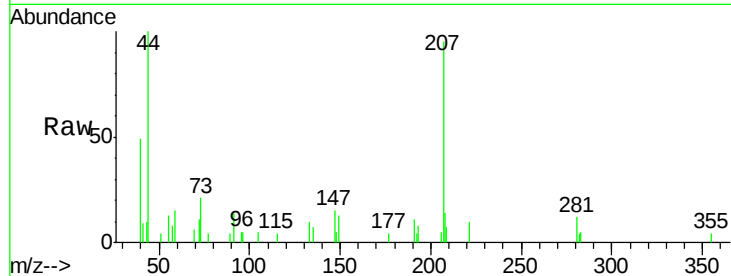




#78
Butylbenzylphthalate
Concen: 0.06 ng/ul
RT: 20.52 min Scan# 3032
Delta R.T. -0.03 min
Lab File: BM000184.D
Acq: 14 Jan 2015 00:44

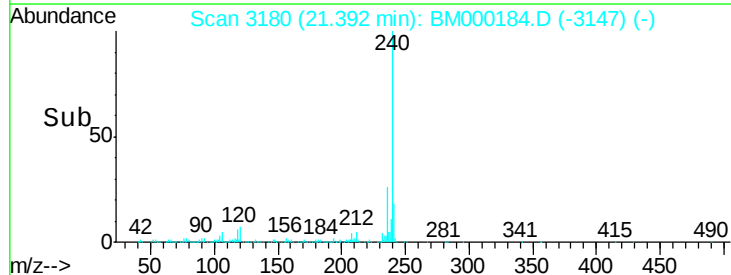
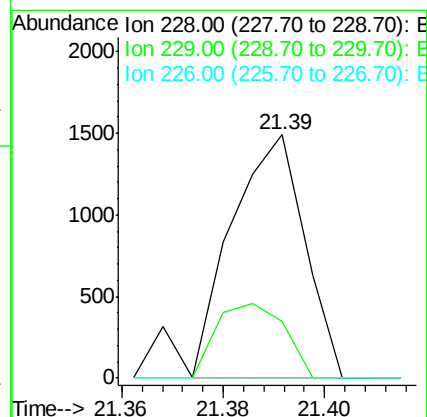
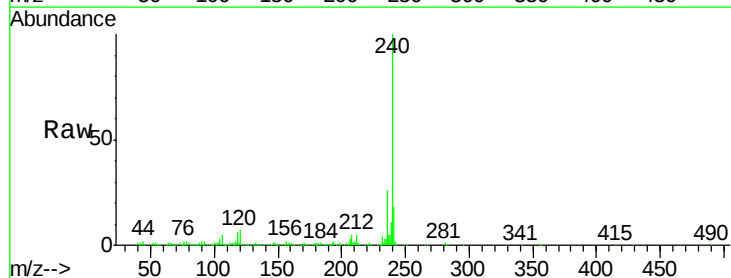
Instrument :
BNA_M
ClientSampled :
C0AR1

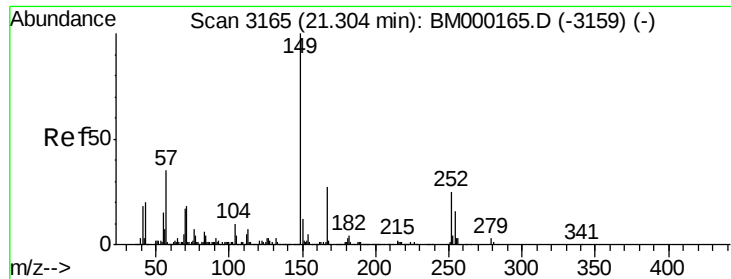
Tgt Ion:149 Resp: 1021
Ion Ratio Lower Upper
149 100
91 108.2 56.6 84.8#
206 42.1 16.8 25.2#



#80
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.39 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BM000184.D
Acq: 14 Jan 2015 00:44

Tgt Ion:228 Resp: 1484
Ion Ratio Lower Upper
228 100
229 23.5 15.8 23.8
226 0.0 20.7 31.1#





#81

Bis(2-ethylhexyl)phthalate

Concen: 16.34 ng/ul

RT: 21.30 min Scan# 3164

Delta R.T. -0.03 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

BNA_M

ClientSampleId :

C0AR1

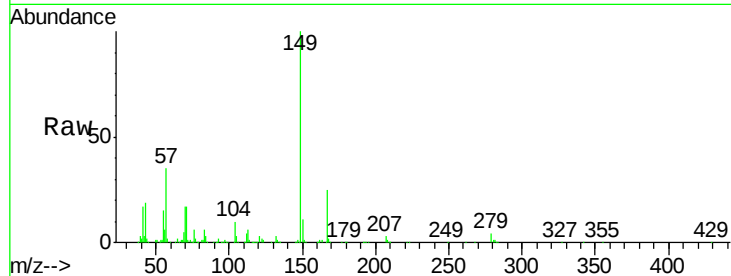
Tgt Ion:149 Resp: 416656

Ion Ratio Lower Upper

149 100

167 25.1 22.1 33.1

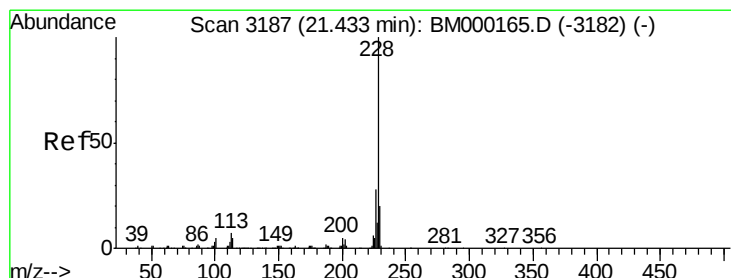
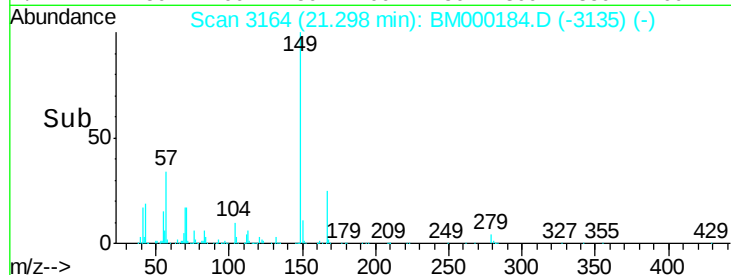
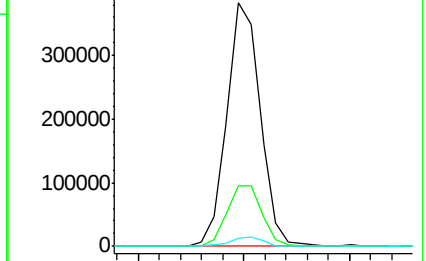
279 3.6 3.0 4.6



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: 0.04 ng/ul

RT: 21.39 min Scan# 3180

Delta R.T. -0.05 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

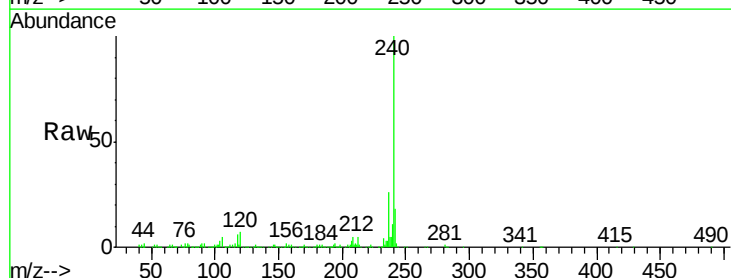
Tgt Ion:228 Resp: 1484

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.4#

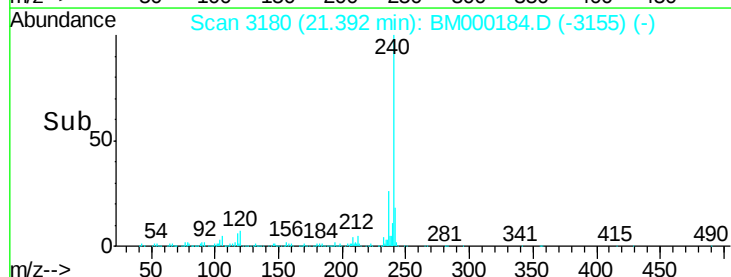
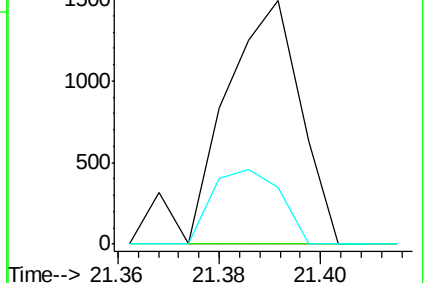
229 23.5 15.6 23.4#

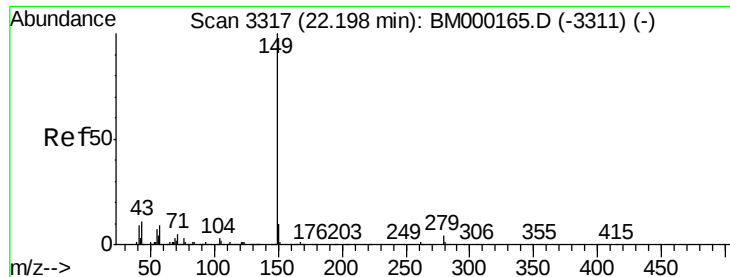


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.21 min Scan# 3319

Delta R.T. -0.02 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

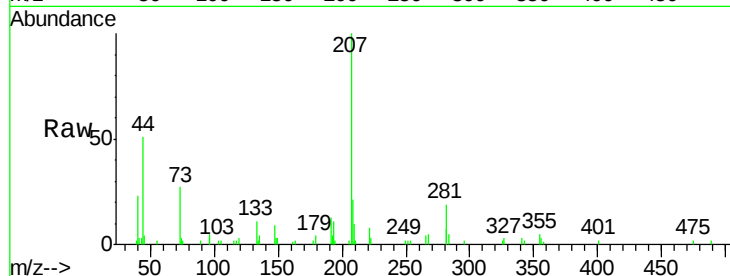
Instrument :

BNA_M

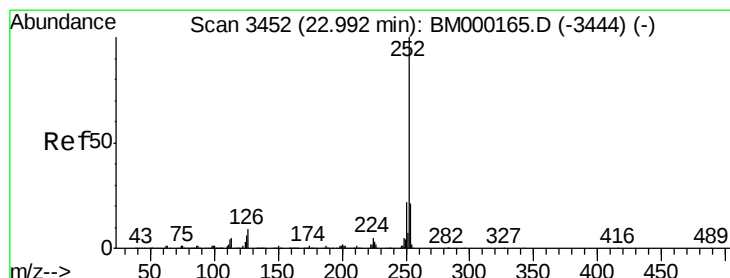
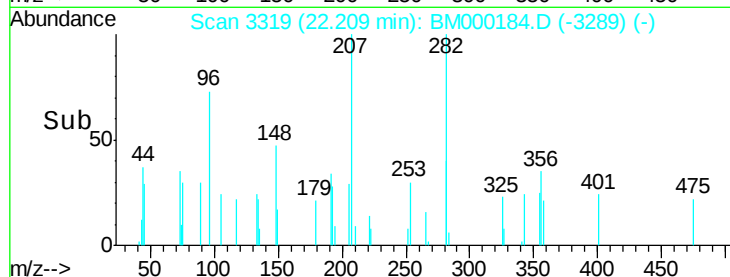
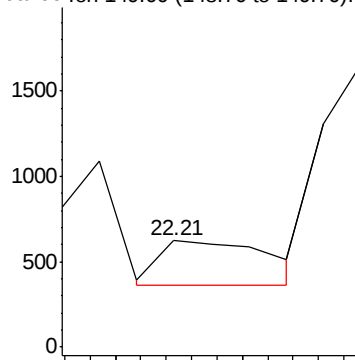
ClientSampleId :

C0AR1

Tgt Ion:149 Resp: 312



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.98 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

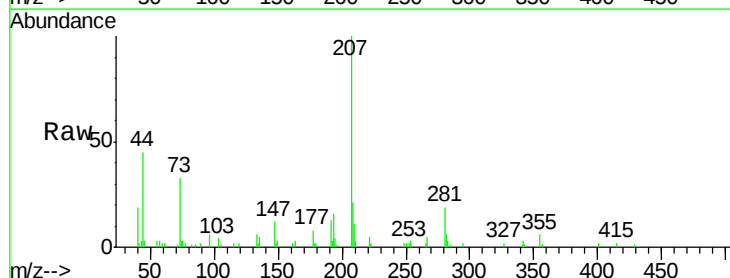
Tgt Ion:252 Resp: 143

Ion Ratio Lower Upper

252 100

253 155.2 17.1 25.7#

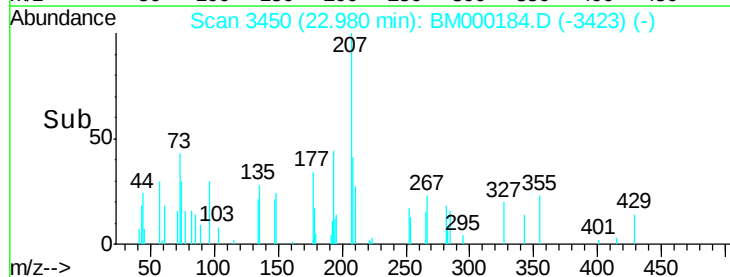
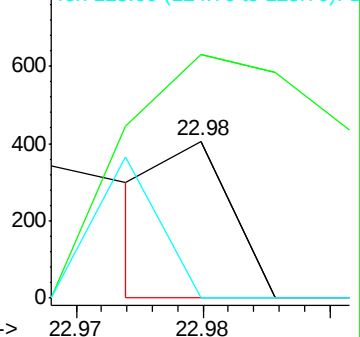
125 0.0 4.8 7.2#

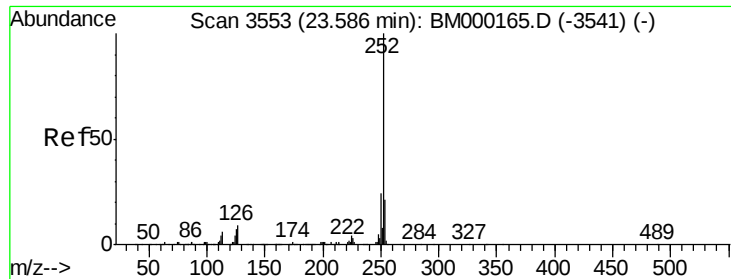


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 0.11 ng/ul

RT: 23.53 min Scan# 3543

Delta R.T. -0.09 min

Lab File: BM000184.D

Acq: 14 Jan 2015 00:44

Instrument :

BNA_M

ClientSampleId :

C0AR1

Tgt Ion:252 Resp: 4132

Ion Ratio Lower Upper

252 100

253 31.3 17.0 25.6#

125 31.6 5.8 8.6#

