

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011315\
 Data File : BM000182.D
 Acq On : 13 Jan 2015 23:33
 Operator : TP/IZ
 Sample : G1063-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AQ2

Quant Time: Jan 14 12:59:49 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	127925	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.62	136	486880	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.46	164	302083	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.20	188	562643	20.00	ng/ul	-0.02
75) Chrysene-d12	21.39	240	634221	20.00	ng/ul	-0.02
83) Perylene-d12	23.68	264	644150	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	4448	2.02	ng/uL	-0.01
5) Phenol-d5	6.99	99	75660	7.03	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	238414	35.05	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.36	132	220799	27.98	ng/ul	-0.01
13) 4-Methylphenol-d8	8.53	113	112063	13.09	ng/ul	-0.01
19) Nitrobenzene-d5	8.99	128	125980	37.42	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.70	143	131692	38.31	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.24	165	236686	31.17	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.76	131	6520	0.76	ng/ul	-0.02
43) Dimethylphthalate-d6	13.87	166	797236	35.78	ng/ul	-0.01
46) Acenaphthylene-d8	14.16	160	924755	34.65	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.65	143	15542	4.29	ng/ul	-0.01
57) Fluorene-d10	15.46	176	666315	34.83	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	81264	30.48	ng/ul	-0.02
70) Anthracene-d10	17.30	188	939033	36.09	ng/ul	-0.01
76) Pyrene-d10	19.60	212	1023658	34.99	ng/ul	-0.02
87) Benzo(a)pyrene-d12	23.53	264	1093399	37.40	ng/ul	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.33	88	202	0.07	ng/uL#	1
8) Bis(2-Chloroethyl)ether	7.26	93	1229	0.14	ng/ul#	76
12) 2,2'-oxybis(1-Chloropropan	8.53	45	1345	0.09	ng/ul#	70
15) N-Nitroso-di-n-propylamine	8.53	70	3337	0.43	ng/ul#	1
20) Nitrobenzene	8.98	77	1963	0.20	ng/ul#	49
21) Isophorone	9.71	82	18713	0.97	ng/ul#	75
28) Naphthalene	10.67	128	593	0.02	ng/ul#	69
34) 2-Methylnaphthalene	12.27	142	656	0.04	ng/ul#	67
44) Dimethylphthalate	13.92	163	37208	1.68	ng/ul#	98
45) 2,6-Dinitrotoluene	14.00	165	841	0.21	ng/ul#	25
56) Diethylphthalate	15.29	149	10140	0.43	ng/ul#	96
58) Fluorene	15.46	166	1706	0.08	ng/ul#	10
60) 4-Nitroaniline	15.57	138	400	0.08	ng/ul#	1
69) Phenanthrene	17.24	178	580	0.02	ng/ul#	61
71) Anthracene	17.26	178	244	0.01	ng/ul#	61
73) Di-n-butylphthalate	18.17	149	1333	0.04	ng/ul#	78
77) Pyrene	19.60	202	1602	0.04	ng/ul#	1
78) Butylbenzylphthalate	20.53	149	603	0.04	ng/ul#	24
80) Benzo(a)anthracene	21.39	228	1897	0.05	ng/ul#	49
81) Bis(2-ethylhexyl)phthalate	21.30	149	5115	0.23	ng/ul#	87
82) Chrysene	21.39	228	1897	0.06	ng/ul#	47
84) Di-n-octyl phthalate	22.20	149	611	0.01	ng/ul	100
85) Benzo(b)fluoranthene	22.99	252	131	0.00	ng/ul#	61

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Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 14 12:47:10 2015
Response via : Initial Calibration

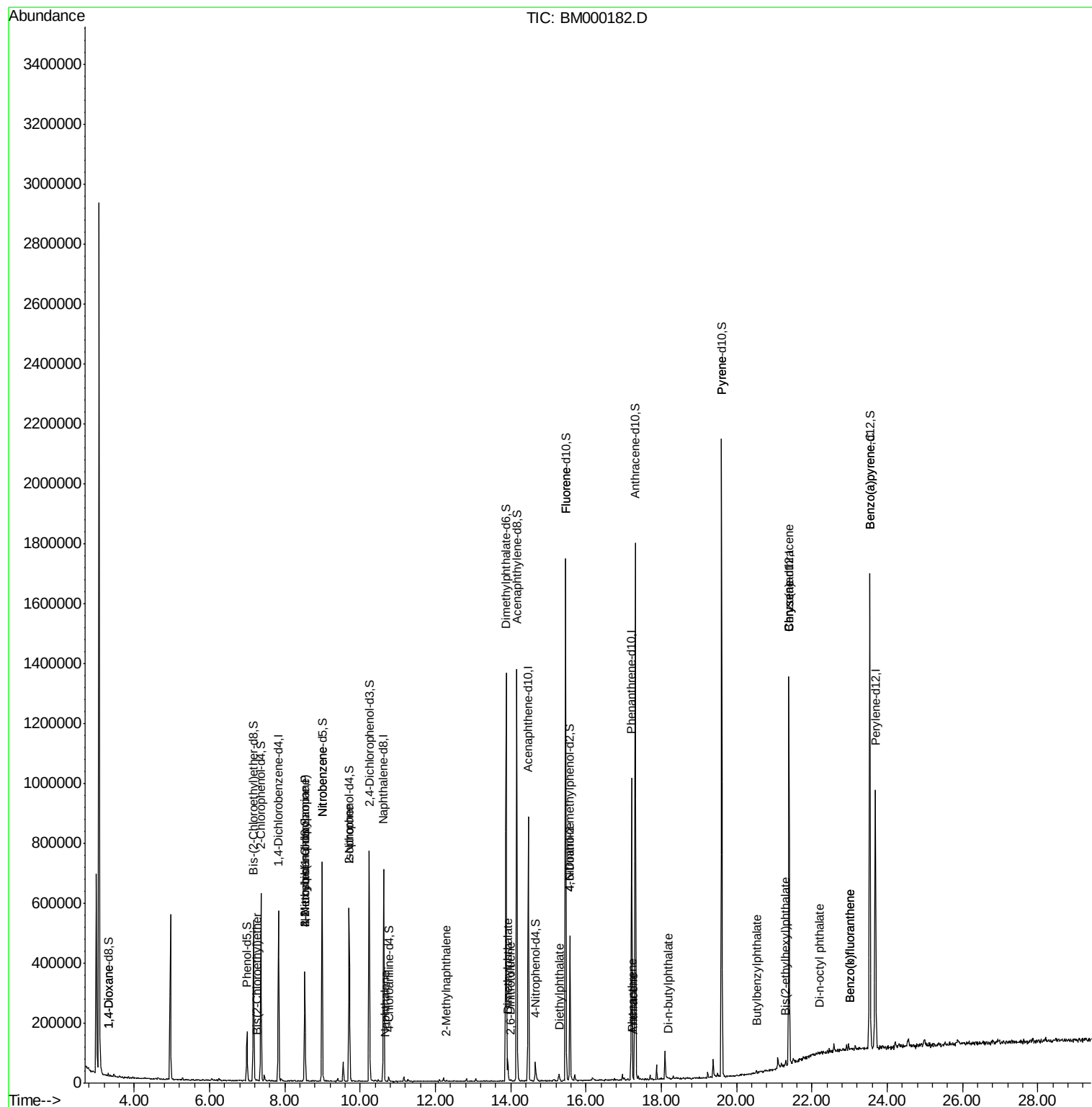
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(k)fluoranthene	22.99	252	131	0.00	ng/ul#	61
88) Benzo(a)pyrene	23.53	252	2659	0.07	ng/ul#	64

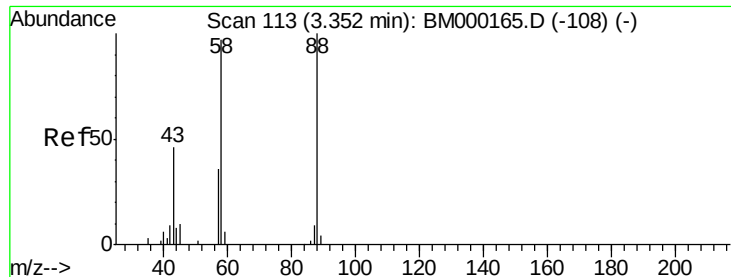
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.07 ng/uL

RT: 3.33 min Scan# 110

Delta R.T. -0.03 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

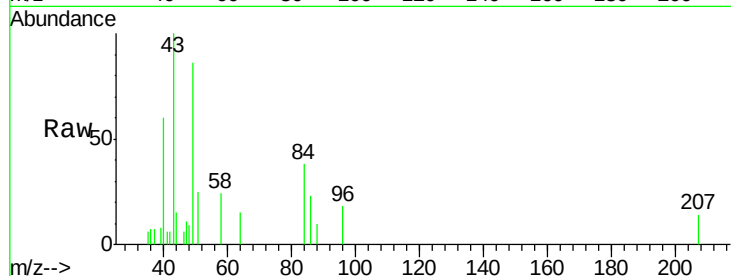
Tgt Ion: 88 Resp: 202

Ion Ratio Lower Upper

88 100

43 434.7 34.9 52.3#

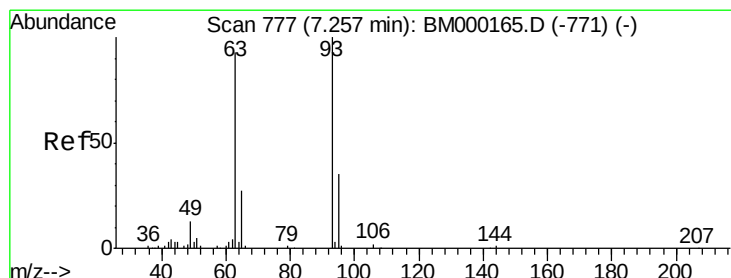
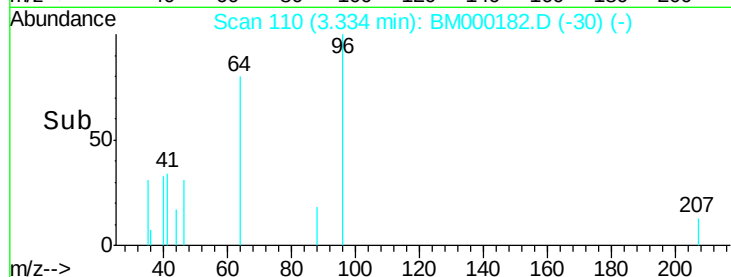
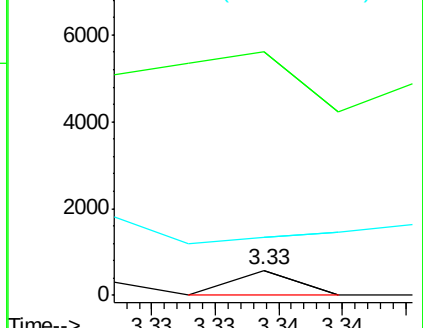
58 273.8 67.3 100.9#



Abundance Ion 88.00 (87.70 to 88.70): BM000182.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM000182.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM000182.D (-30) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.14 ng/uL

RT: 7.26 min Scan# 777

Delta R.T. -0.01 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

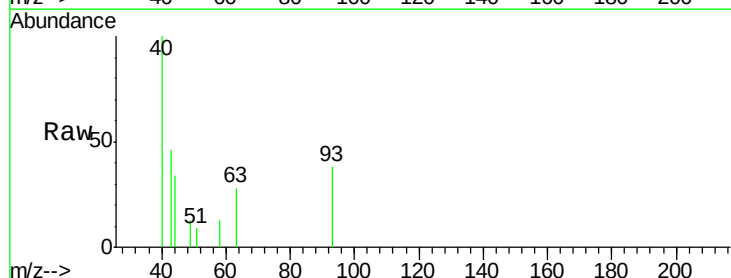
Tgt Ion: 93 Resp: 1229

Ion Ratio Lower Upper

93 100

63 75.2 68.9 103.3

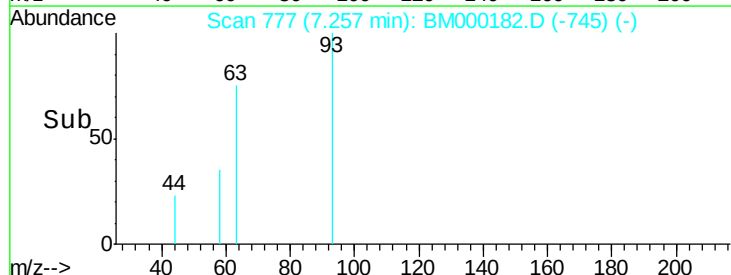
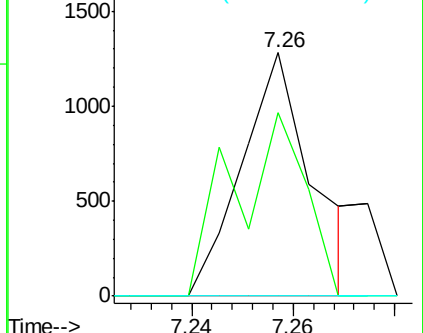
95 0.0 24.6 37.0#

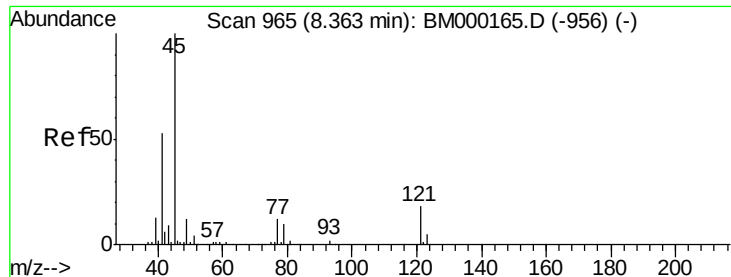


Abundance Ion 93.00 (92.70 to 93.70): BM000182.D (-745) (-)

Ion 63.00 (62.70 to 63.70): BM000182.D (-745) (-)

Ion 95.00 (94.70 to 95.70): BM000182.D (-745) (-)

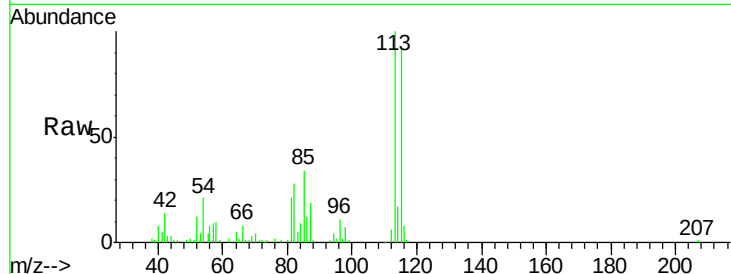




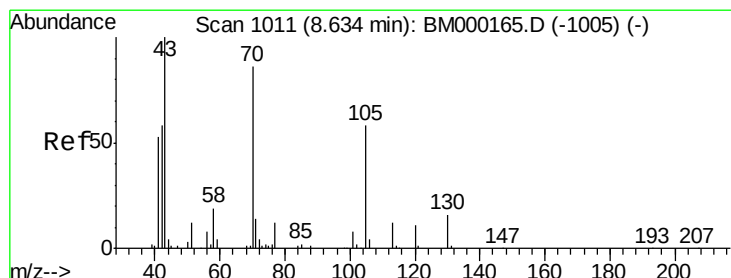
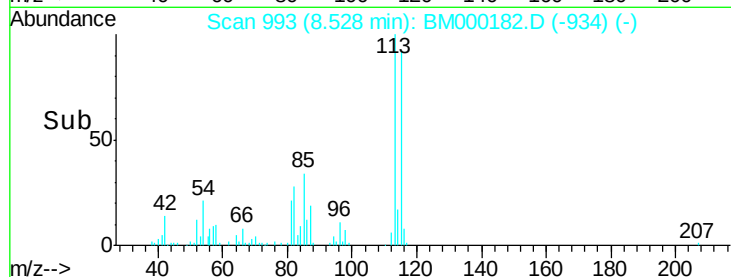
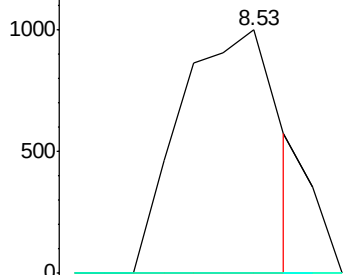
#12
2,2'-oxybis(1-Chloropropane)
Concen: 0.09 ng/ul
RT: 8.53 min Scan# 993
Delta R.T. 0.15 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

Instrument :
BNA_M
ClientSampleId :
C0AQ2

Tgt Ion: 45 Resp: 1345
Ion Ratio Lower Upper
45 100
77 0.0 9.9 14.9#
79 0.0 8.3 12.5#

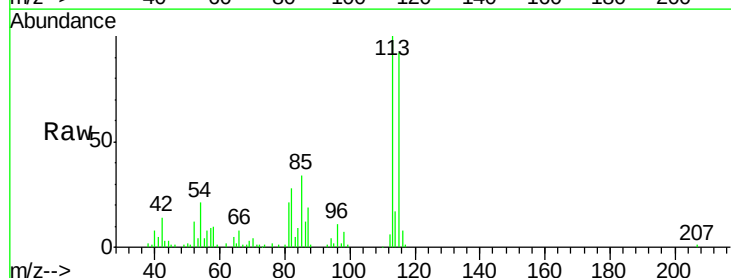


Abundance Ion 45.00 (44.70 to 45.70): BM0
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

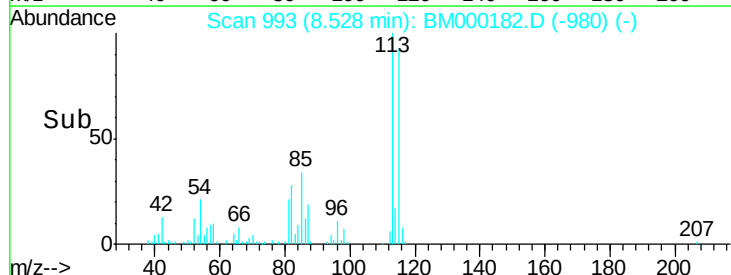
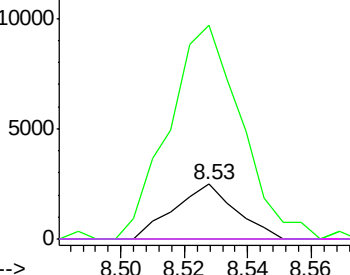


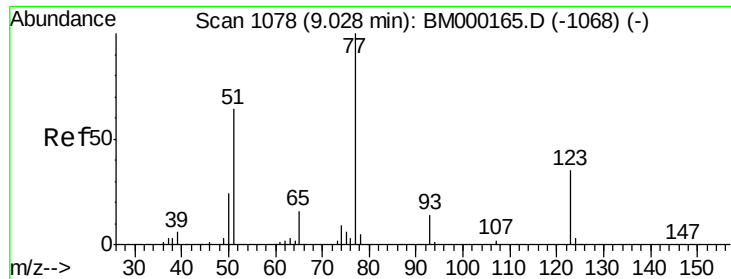
#15
N-Nitroso-di-n-propylamine
Concen: 0.43 ng/ul
RT: 8.53 min Scan# 993
Delta R.T. -0.13 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

Tgt Ion: 70 Resp: 3337
Ion Ratio Lower Upper
70 100
42 389.6 46.4 69.6#
101 0.0 7.8 11.8#
130 0.0 14.6 21.8#



Abundance Ion 70.00 (69.70 to 70.70): BM0
Ion 42.00 (41.70 to 42.70): BM0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

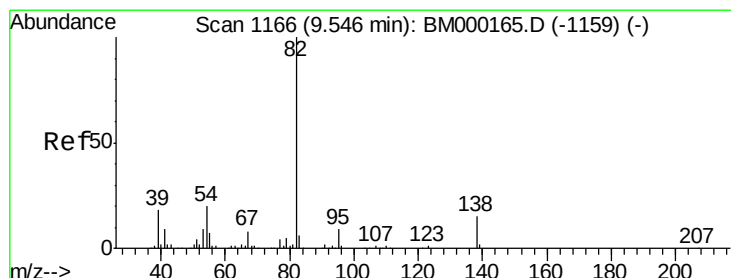
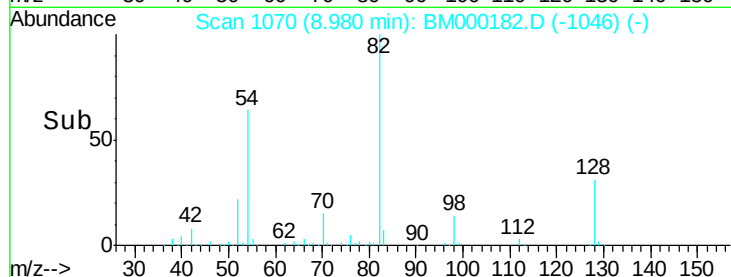
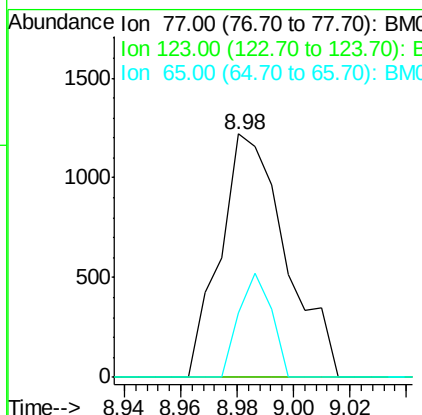
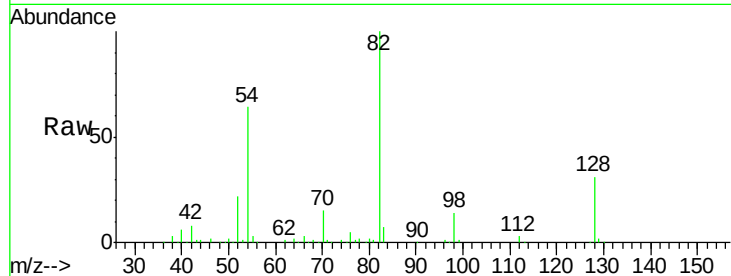




#20
Nitrobenzene
Concen: 0.20 ng/ul
RT: 8.98 min Scan# 1070
Delta R.T. -0.06 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

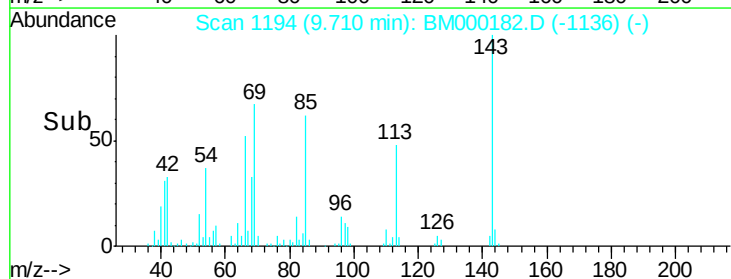
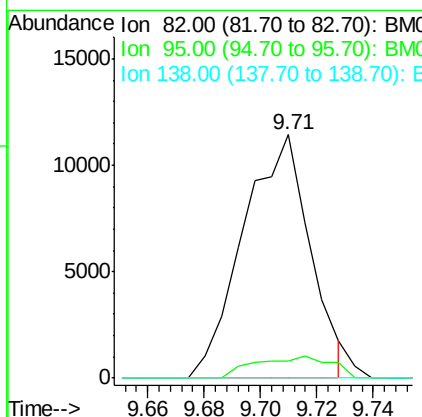
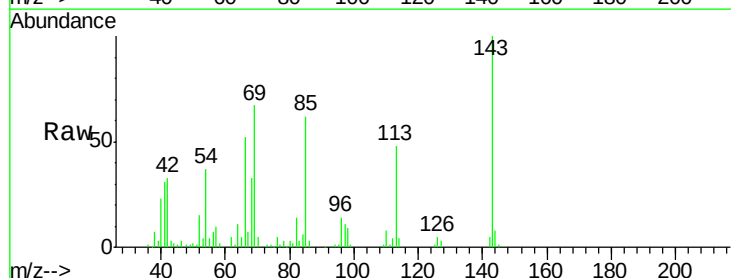
Instrument :
BNA_M
ClientSampleId :
C0AQ2

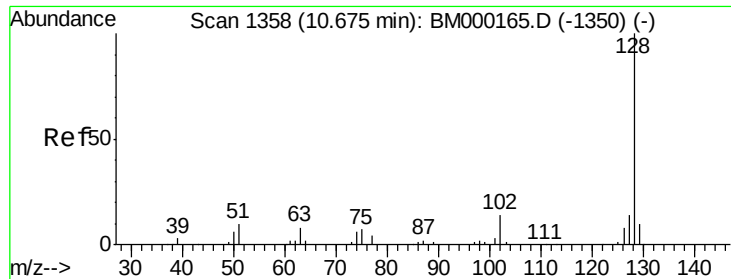
Tgt Ion: 77 Resp: 1963
Ion Ratio Lower Upper
77 100
123 0.0 29.2 43.8#
65 26.6 12.4 18.6#



#21
Isophorone
Concen: 0.97 ng/ul
RT: 9.71 min Scan# 1194
Delta R.T. 0.14 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

Tgt Ion: 82 Resp: 18713
Ion Ratio Lower Upper
82 100
95 7.1 6.9 10.3
138 0.0 12.1 18.1#





#28

Naphthalene

Concen: 0.02 ng/ul

RT: 10.67 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

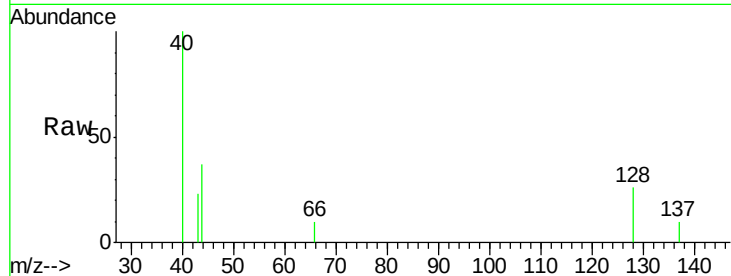
Tgt Ion:128 Resp: 593

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

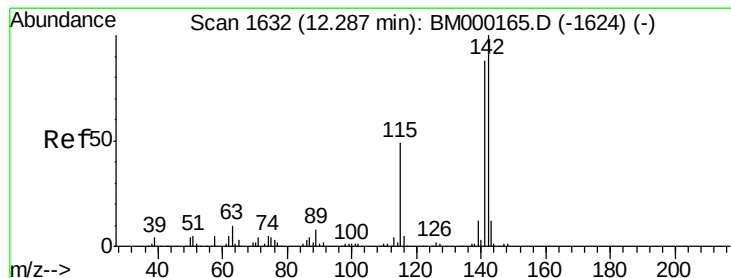
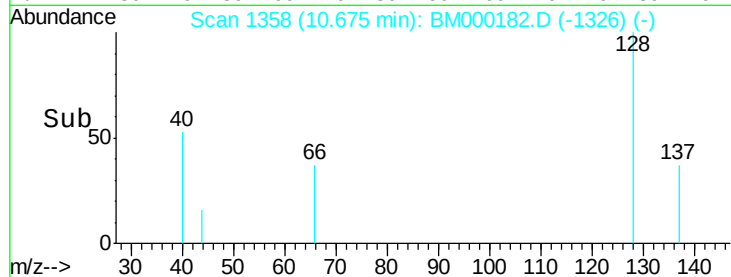
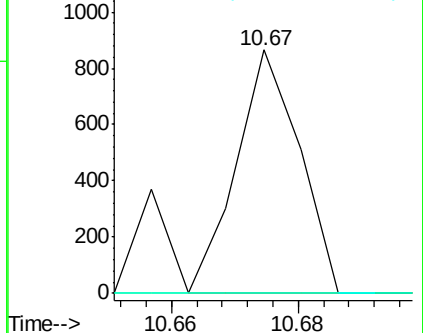
127 0.0 10.3 15.5#



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



#34

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 12.27 min Scan# 1630

Delta R.T. -0.03 min

Lab File: BM000182.D

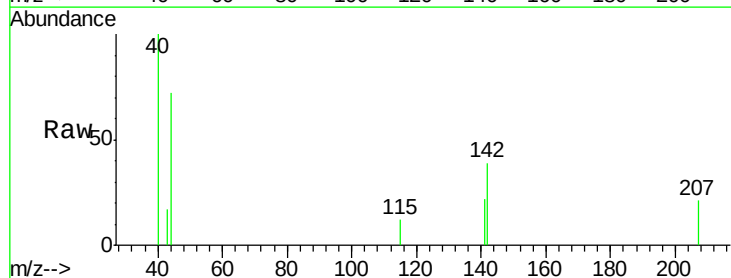
Acq: 13 Jan 2015 23:33

Tgt Ion:142 Resp: 656

Ion Ratio Lower Upper

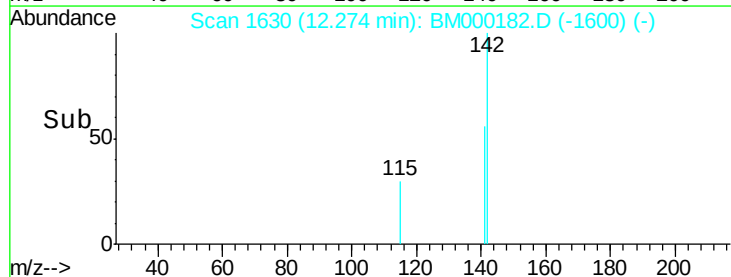
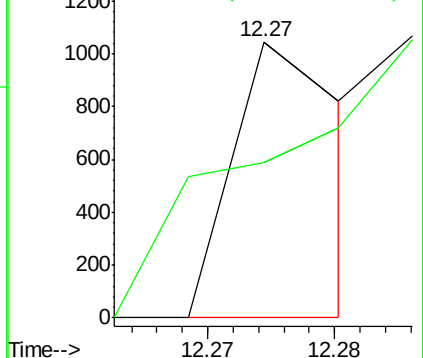
142 100

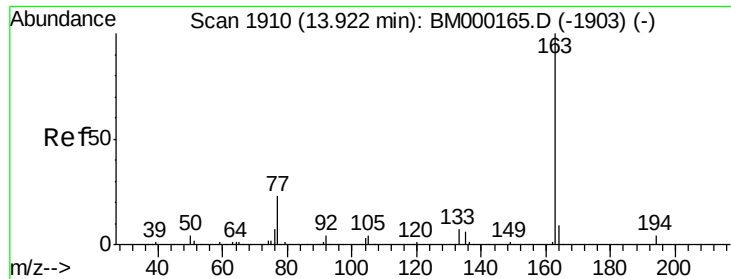
141 56.5 69.3 103.9#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 1.68 ng/ul

RT: 13.92 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

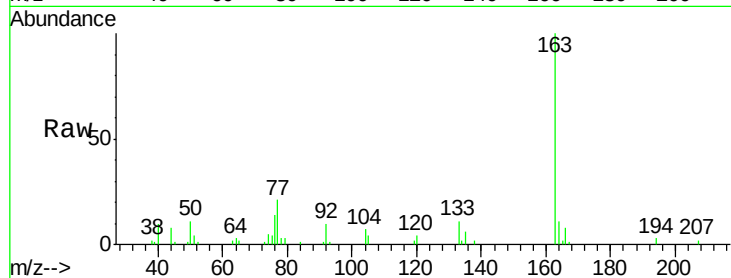
Tgt Ion:163 Resp: 37208

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4#

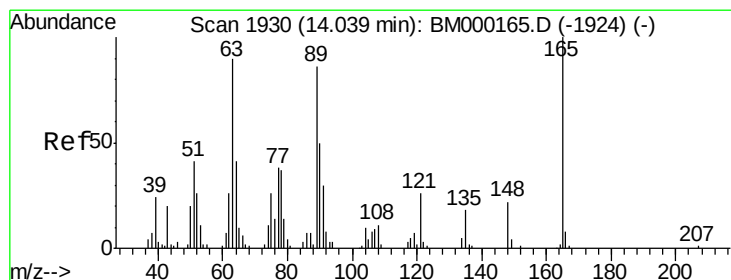
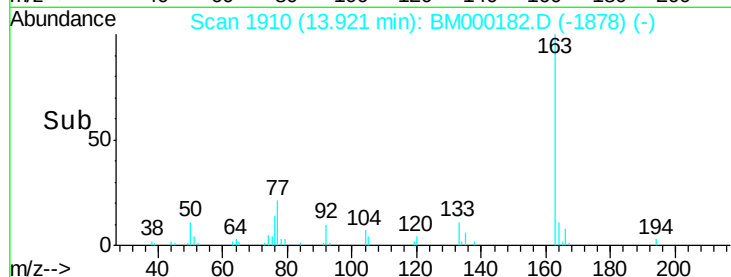
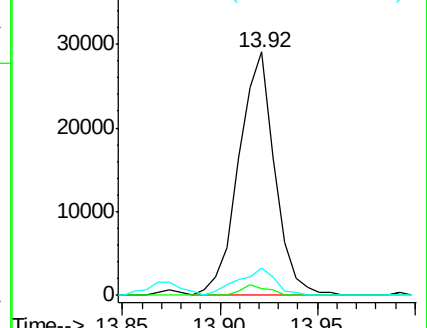
164 11.2 8.5 12.7



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: 0.21 ng/ul

RT: 14.00 min Scan# 1924

Delta R.T. -0.06 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

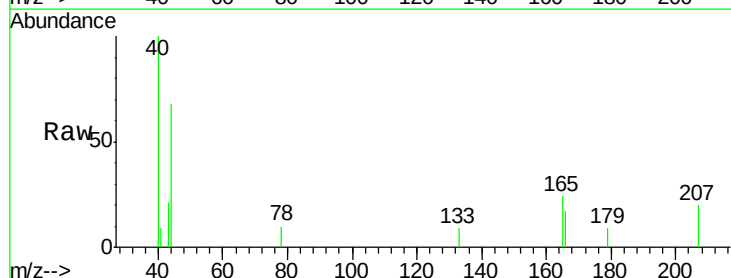
Tgt Ion:165 Resp: 841

Ion Ratio Lower Upper

165 100

89 0.0 54.4 81.6#

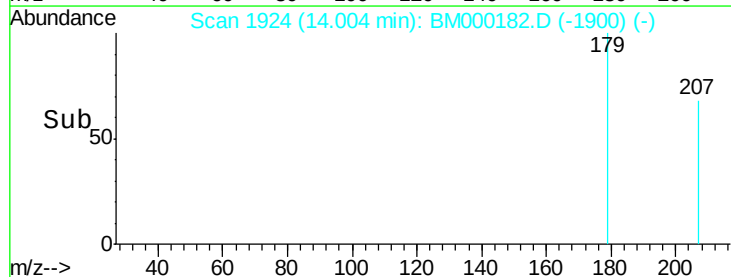
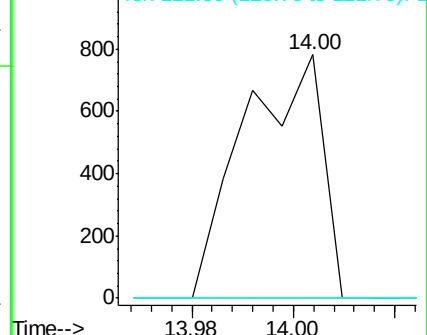
121 0.0 18.6 28.0#

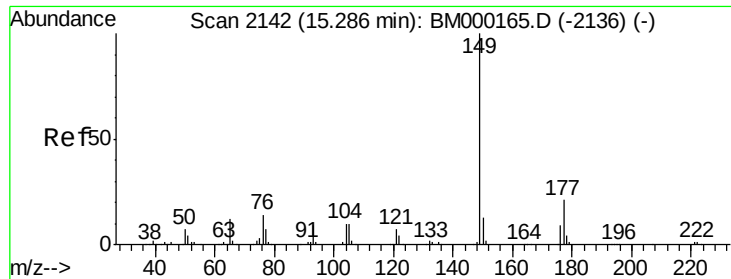


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E

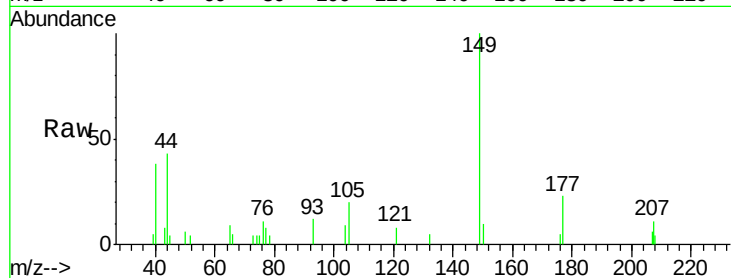




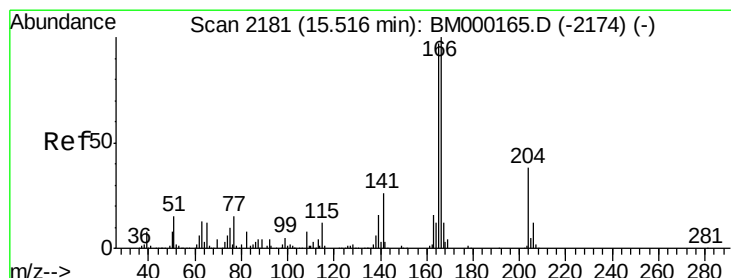
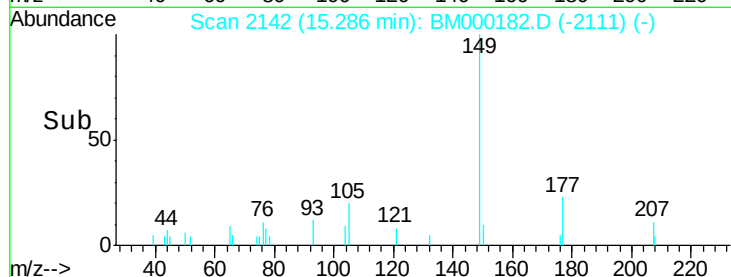
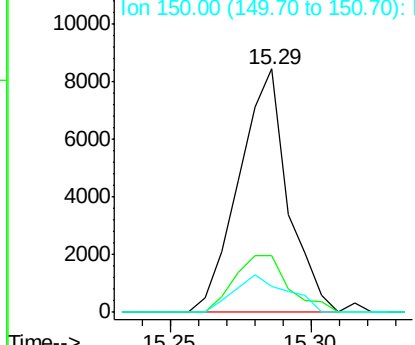
#56
Diethylphthalate
Concen: 0.43 ng/ul
RT: 15.29 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

Instrument :
BNA_M
ClientSampled :
C0AQ2

Tgt Ion:149 Resp: 10140
Ion Ratio Lower Upper
149 100
177 23.2 17.4 26.2
150 10.5 10.5 15.7#

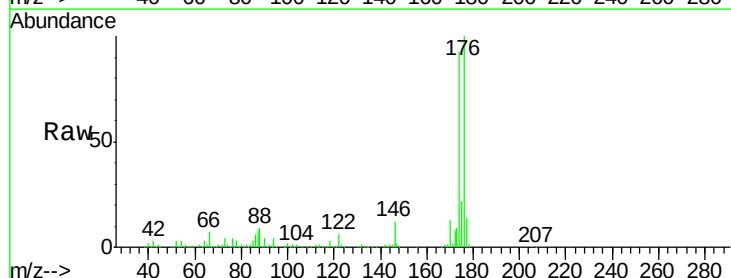


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

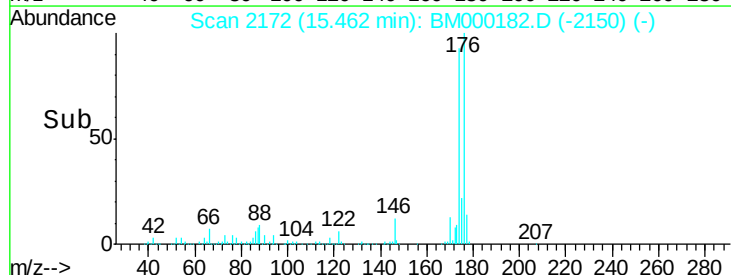
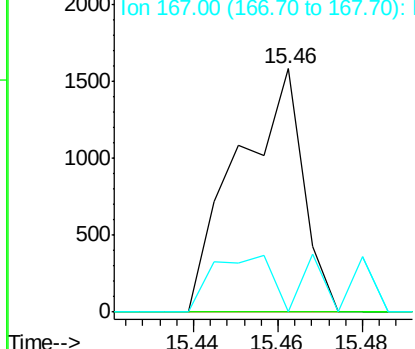


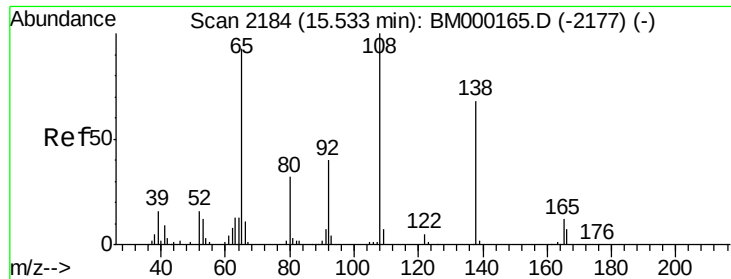
#58
Fluorene
Concen: 0.08 ng/ul
RT: 15.46 min Scan# 2172
Delta R.T. -0.07 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

Tgt Ion:166 Resp: 1706
Ion Ratio Lower Upper
166 100
165 0.0 76.0 114.0#
167 0.0 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

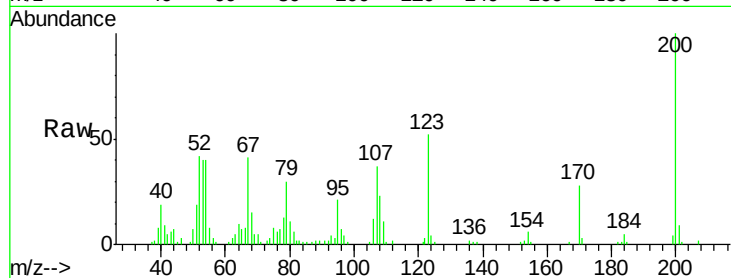




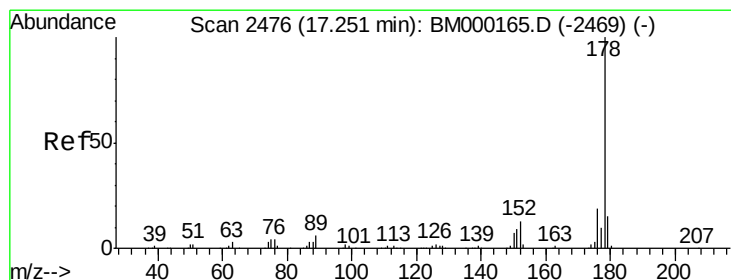
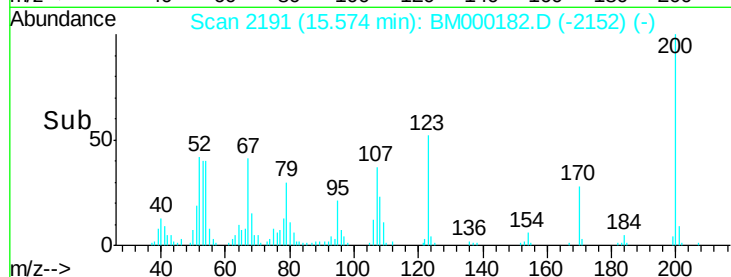
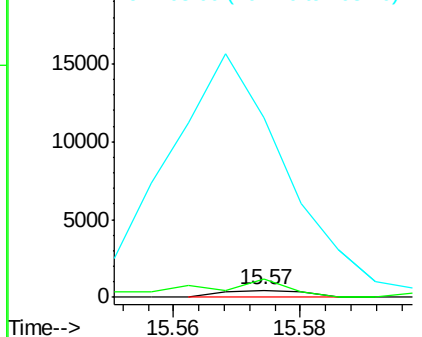
#60
4-Nitroaniline
Concen: 0.08 ng/ul
RT: 15.57 min Scan# 2191
Delta R.T. 0.03 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

Instrument :
BNA_M
ClientSampleId :
C0AQ2

Tgt Ion:138 Resp: 400
Ion Ratio Lower Upper
138 100
92 242.2 49.3 73.9#
108 2404.4 110.3 165.5#

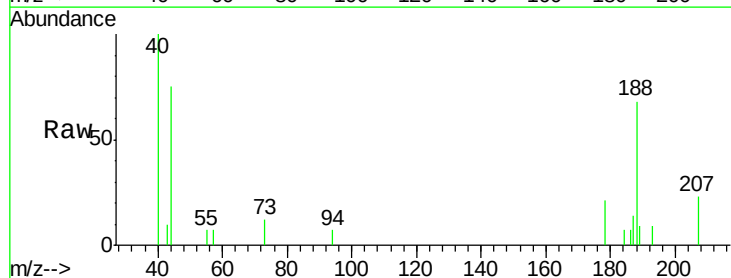


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM
Ion 108.00 (107.70 to 108.70): E

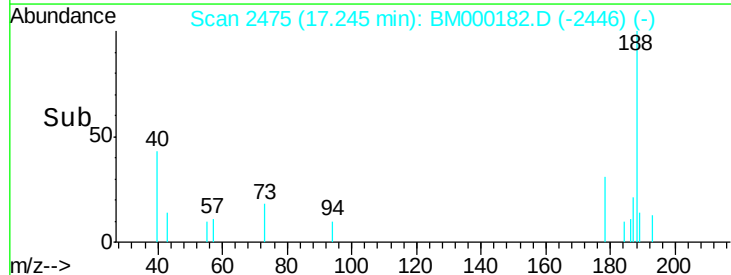
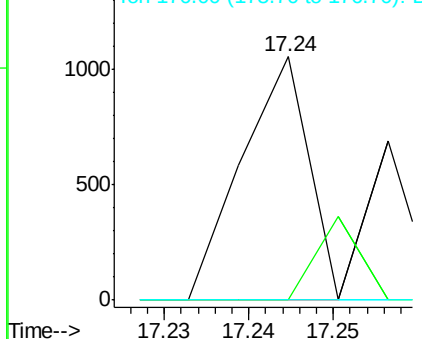


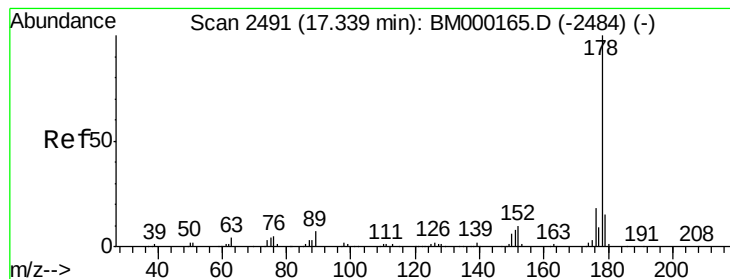
#69
Phenanthrene
Concen: 0.02 ng/ul
RT: 17.24 min Scan# 2475
Delta R.T. -0.03 min
Lab File: BM000182.D
Acq: 13 Jan 2015 23:33

Tgt Ion:178 Resp: 580
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: 17.26 min Scan# 2477

Delta R.T. -0.09 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

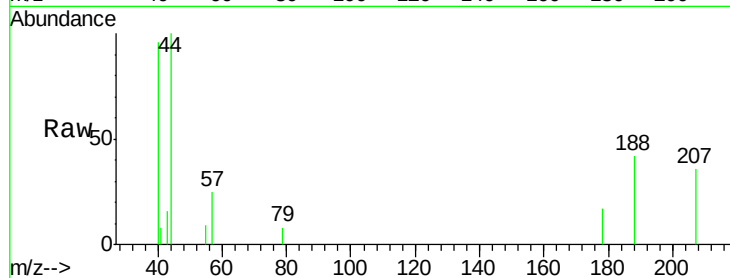
Tgt Ion:178 Resp: 244

Ion Ratio Lower Upper

178 100

179 0.0 12.6 18.8#

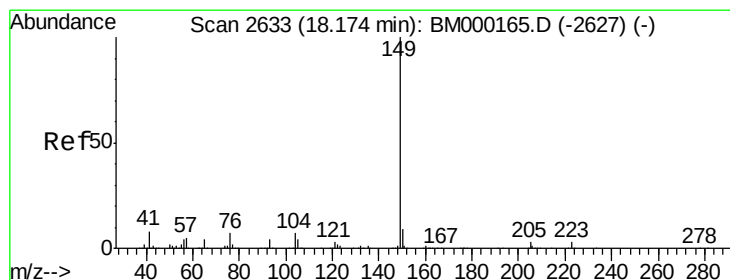
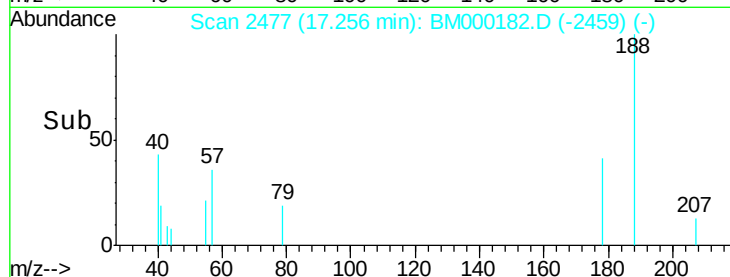
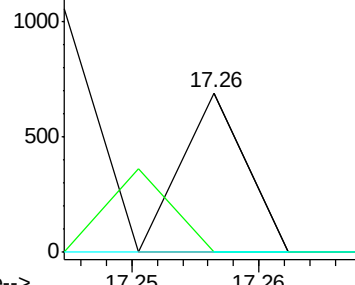
176 0.0 14.6 21.8#



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: BM000182.D

Acq: 13 Jan 2015 23:33

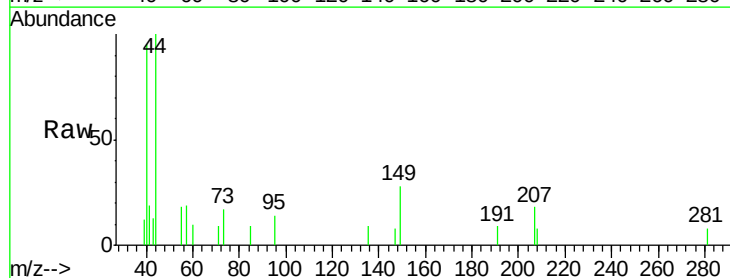
Tgt Ion:149 Resp: 1333

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

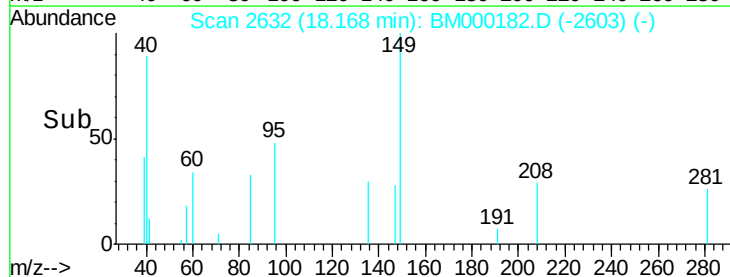
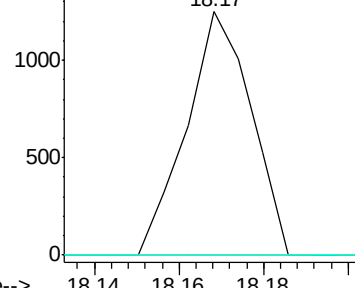
104 0.0 4.8 7.2#

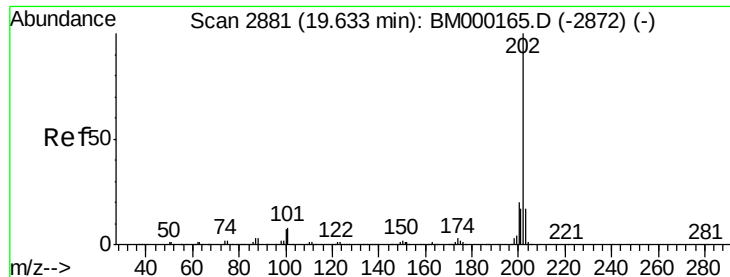


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2876

Delta R.T. -0.05 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

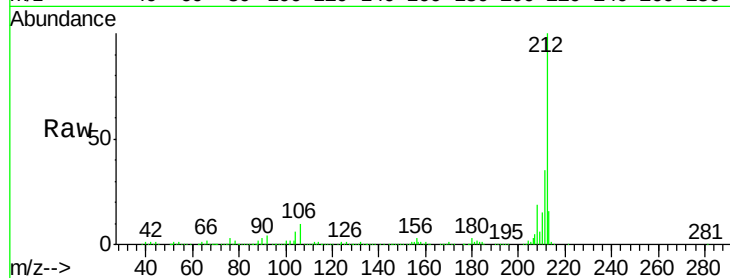
Tgt Ion:202 Resp: 1602

Ion Ratio Lower Upper

202 100

101 154.7 6.9 10.3#

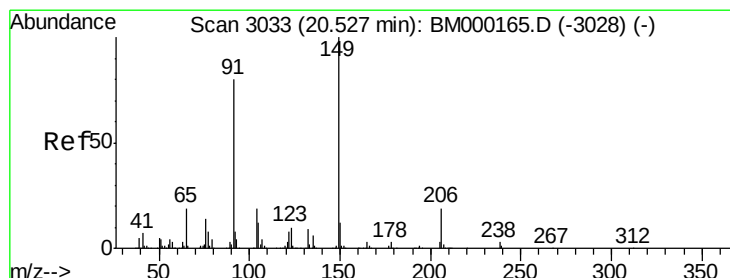
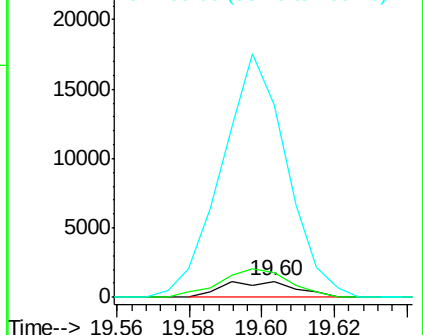
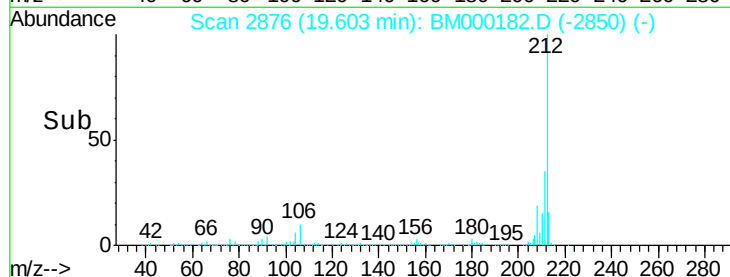
100 1172.7 5.5 8.3#



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: 0.04 ng/ul

RT: 20.53 min Scan# 3033

Delta R.T. -0.02 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

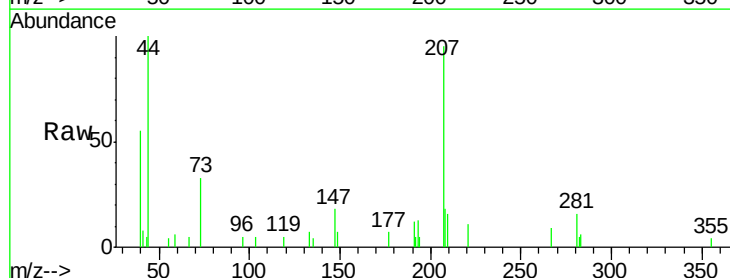
Tgt Ion:149 Resp: 603

Ion Ratio Lower Upper

149 100

91 0.0 56.6 84.8#

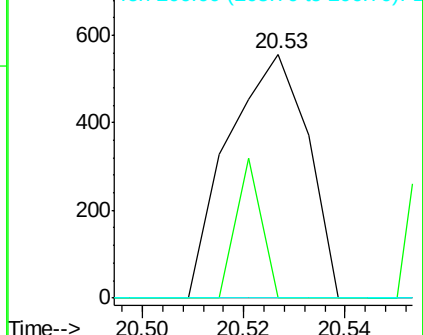
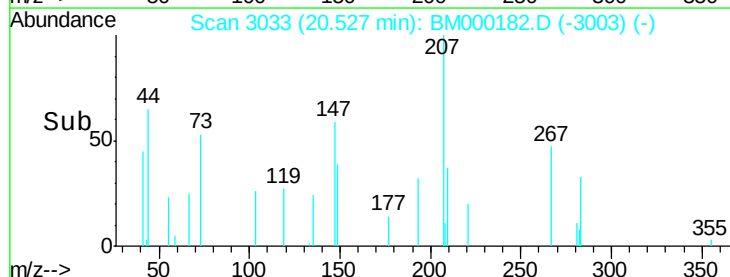
206 0.0 16.8 25.2#

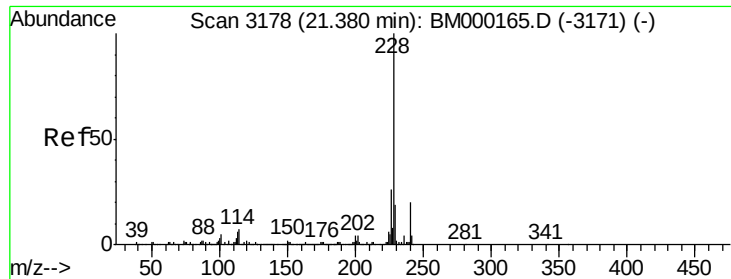


Abundance Ion 149.00 (148.70 to 149.70): E

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# 3179

Delta R.T. -0.01 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

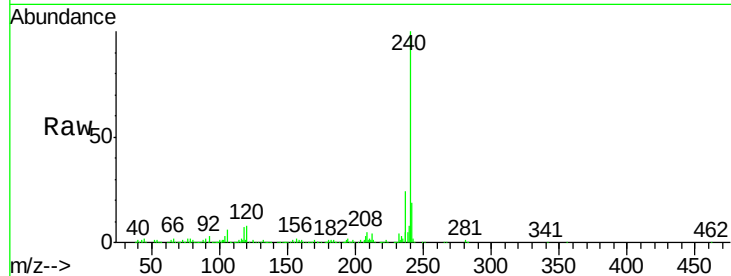
Tgt Ion:228 Resp: 1897

Ion Ratio Lower Upper

228 100

229 43.2 15.8 23.8#

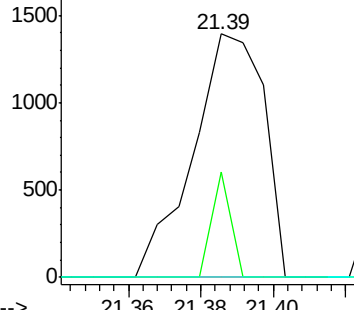
226 0.0 20.7 31.1#



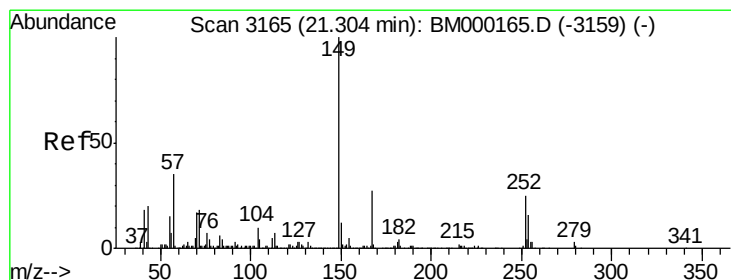
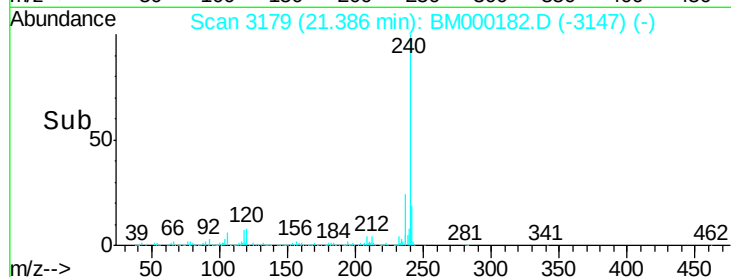
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#81

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng/ul

RT: 21.30 min Scan# 3164

Delta R.T. -0.03 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

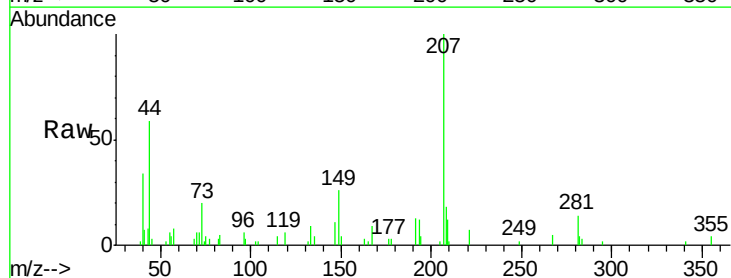
Tgt Ion:149 Resp: 5115

Ion Ratio Lower Upper

149 100

167 34.7 22.1 33.1#

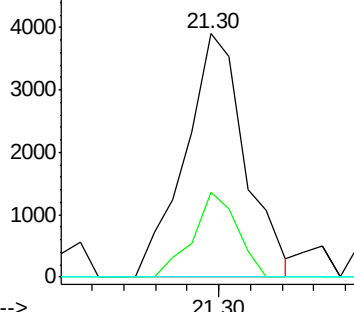
279 0.0 3.0 4.6#



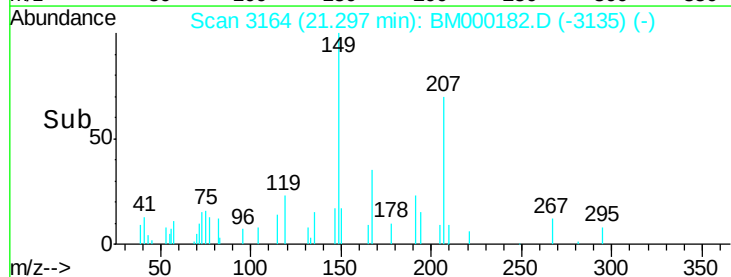
Abundance Ion 149.00 (148.70 to 149.70): E

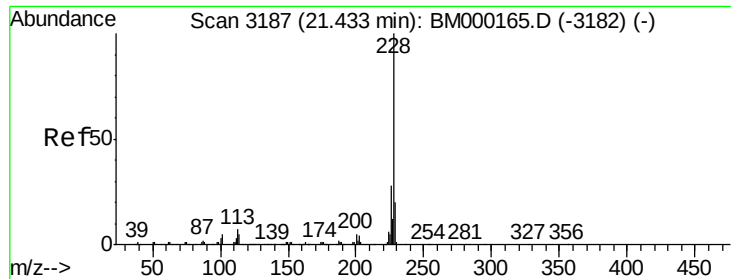
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#82

Chrysene

Concen: 0.06 ng/ul

RT: 21.39 min Scan# 3179

Delta R.T. -0.06 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

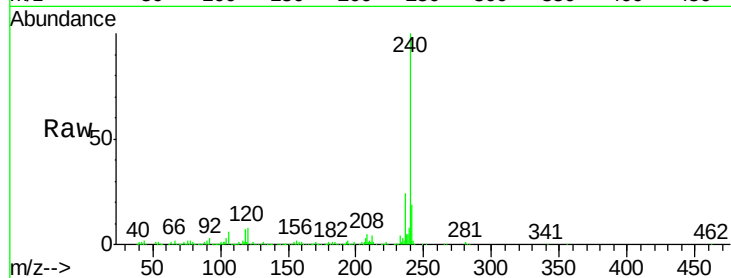
Tgt Ion:228 Resp: 1897

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.4#

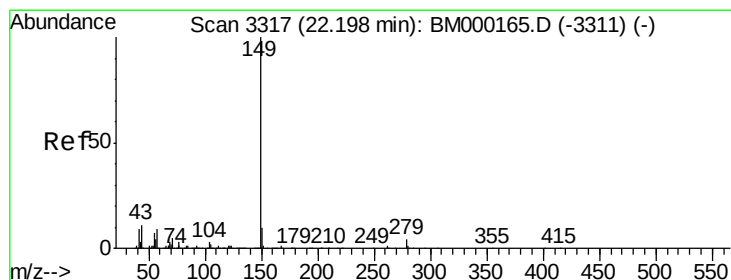
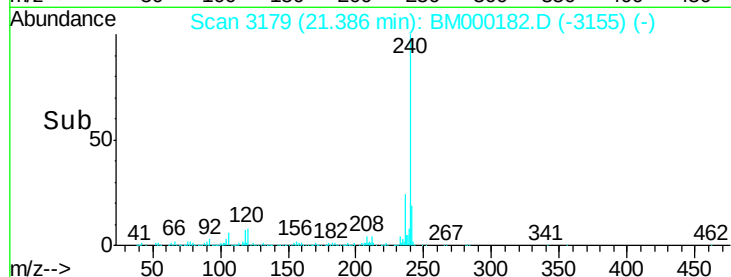
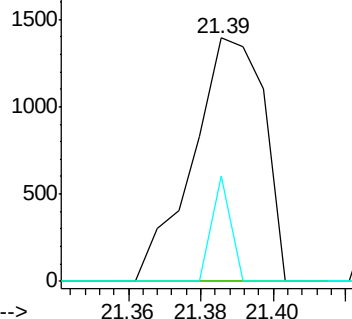
229 43.2 15.6 23.4#



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

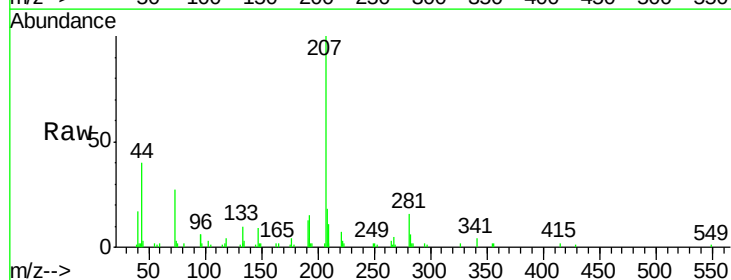
RT: 22.20 min Scan# 3317

Delta R.T. -0.03 min

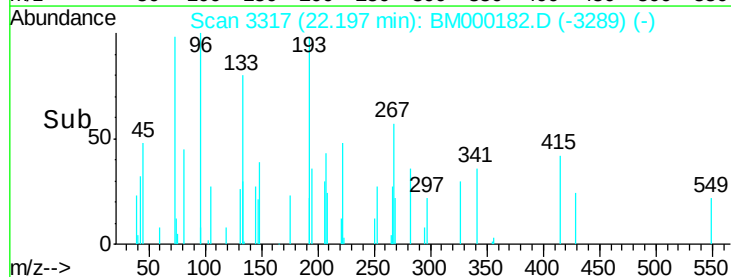
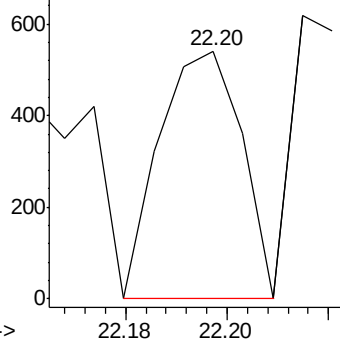
Lab File: BM000182.D

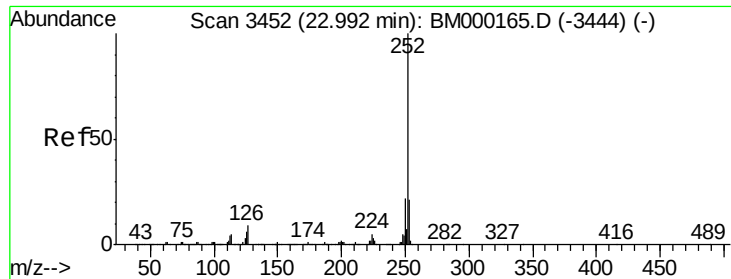
Acq: 13 Jan 2015 23:33

Tgt Ion:149 Resp: 611



Abundance Ion 149.00 (148.70 to 149.70): E





#85

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.99 min Scan# 3452

Delta R.T. -0.03 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

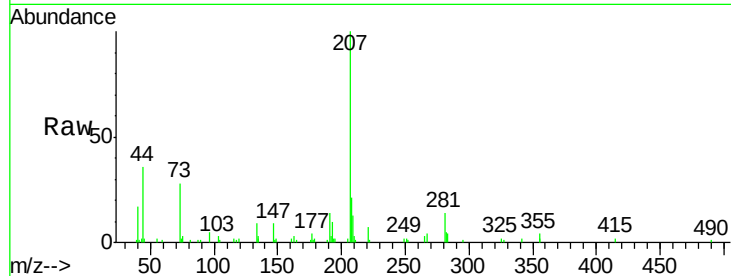
Tgt Ion:252 Resp: 131

Ion Ratio Lower Upper

252 100

253 0.0 17.1 25.7#

125 0.0 4.8 7.2#



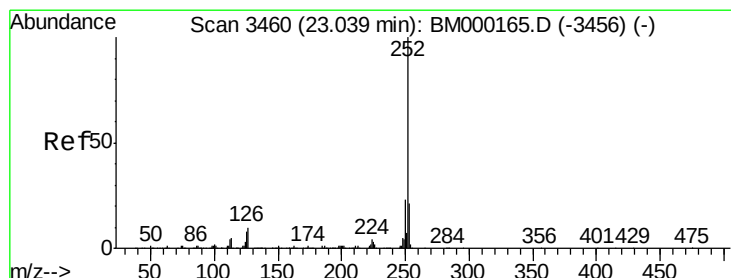
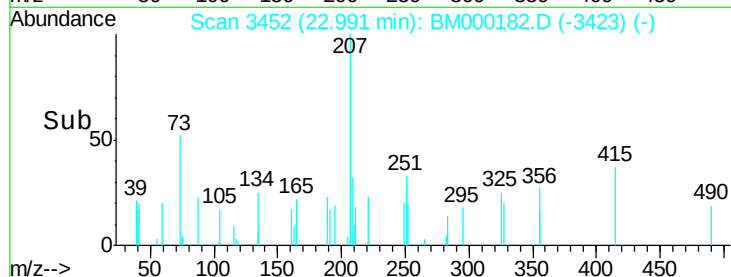
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.99

Time--> 22.98 22.99 23.00



#86

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.99 min Scan# 3452

Delta R.T. -0.07 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

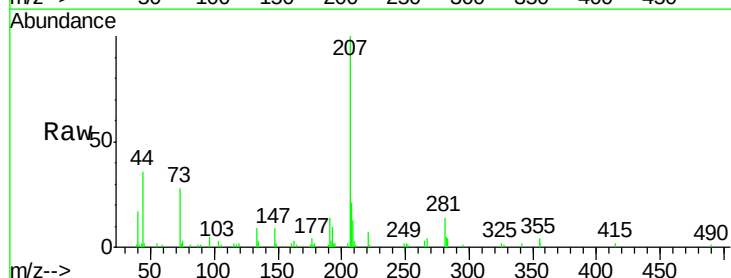
Tgt Ion:252 Resp: 131

Ion Ratio Lower Upper

252 100

253 0.0 17.2 25.8#

125 0.0 4.9 7.3#



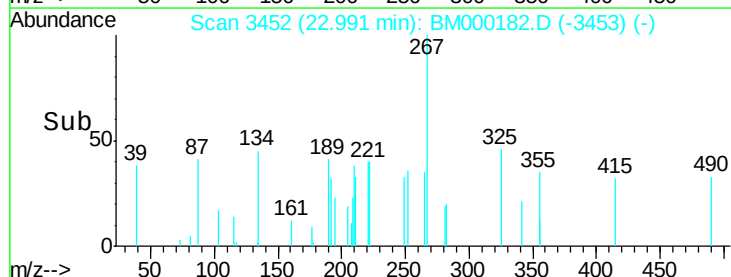
Abundance Ion 252.00 (251.70 to 252.70): E

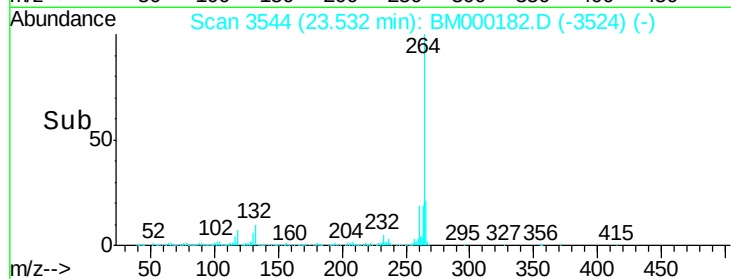
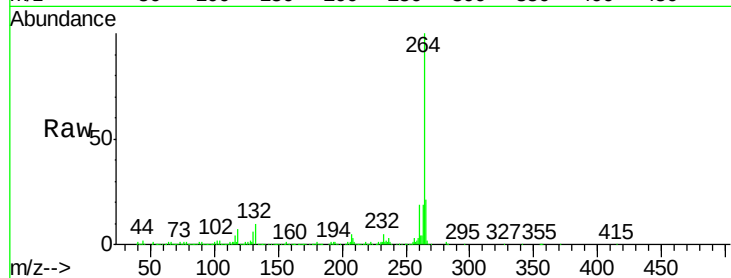
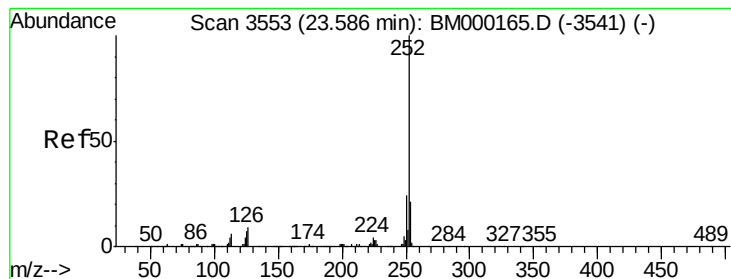
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.99

Time--> 22.98 22.99 23.00





#88

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.53 min Scan# 3544

Delta R.T. -0.08 min

Lab File: BM000182.D

Acq: 13 Jan 2015 23:33

Instrument :

BNA_M

ClientSampleId :

C0AQ2

Tgt Ion:252 Resp: 2659

Ion Ratio Lower Upper

252 100

253 28.8 17.0 25.6#

125 40.0 5.8 8.6#

