

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011315\
 Data File : BM000177.D
 Acq On : 13 Jan 2015 20:01
 Operator : TP/IZ
 Sample : G1063-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAN8

Quant Time: Jan 14 12:58:36 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	113626	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.62	136	453128	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.47	164	306633	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.21	188	611344	20.00	ng/ul	-0.02
75) Chrysene-d12	21.39	240	703133	20.00	ng/ul	-0.02
83) Perylene-d12	23.68	264	664459	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	658609	336.07	ng/uL	-0.03
5) Phenol-d5	6.99	99	65770	6.88	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	172689	28.58	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.36	132	162015	23.12	ng/ul	-0.01
13) 4-Methylphenol-d8	8.53	113	105759	13.91	ng/ul	-0.01
19) Nitrobenzene-d5	8.99	128	94776	30.25	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.70	143	97960	30.62	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.24	165	181352	25.66	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.76	131	10258	1.28	ng/ul	-0.02
43) Dimethylphthalate-d6	13.87	166	708731	31.34	ng/ul	-0.01
46) Acenaphthylene-d8	14.16	160	771977	28.49	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.66	143	21298	5.79	ng/ul	0.00
57) Fluorene-d10	15.46	176	596768	30.73	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	86912	30.00	ng/ul	-0.02
70) Anthracene-d10	17.30	188	990143	35.03	ng/ul	-0.01
76) Pyrene-d10	19.60	212	1122514	34.61	ng/ul	-0.01
87) Benzo(a)pyrene-d12	23.54	264	1088641	36.10	ng/ul	-0.03

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.35	88	89320	32.88	ng/uL	91
6) Phenol	7.02	94	258	0.03	ng/ul#	42
8) Bis(2-Chloroethyl)ether	7.26	93	1070	0.14	ng/ul#	56
12) 2,2'-oxybis(1-Chloropropan	8.52	45	901	0.07	ng/ul#	70
15) N-Nitroso-di-n-propylamine	8.52	70	3641	0.52	ng/ul#	1
20) Nitrobenzene	8.99	77	1379	0.15	ng/ul#	46
21) Isophorone	9.71	82	13785	0.77	ng/ul#	75
28) Naphthalene	10.67	128	283	0.01	ng/ul#	69
44) Dimethylphthalate	13.92	163	40578	1.80	ng/ul	96
45) 2,6-Dinitrotoluene	14.00	165	353	0.09	ng/ul#	25
56) Diethylphthalate	15.28	149	13230	0.56	ng/ul#	92
58) Fluorene	15.46	166	1343	0.06	ng/ul#	8
60) 4-Nitroaniline	15.57	138	332	0.07	ng/ul#	1
64) N-Nitrosodiphenylamine	15.57	169	766	0.04	ng/ul#	9
69) Phenanthrene	17.25	178	614	0.02	ng/ul#	61
71) Anthracene	17.25	178	614	0.02	ng/ul#	61
73) Di-n-butylphthalate	18.17	149	4059	0.11	ng/ul#	76
77) Pyrene	19.62	202	306	0.01	ng/ul#	1
78) Butylbenzylphthalate	20.53	149	1277	0.07	ng/ul#	87
80) Benzo(a)anthracene	21.39	228	2419	0.06	ng/ul#	67
81) Bis(2-ethylhexyl)phthalate	21.30	149	3721	0.15	ng/ul#	80
82) Chrysene	21.42	228	675	0.02	ng/ul#	51
84) Di-n-octyl phthalate	22.20	149	736	0.02	ng/ul	100

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011315\
Data File : BM000177.D
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Sample : G1063-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

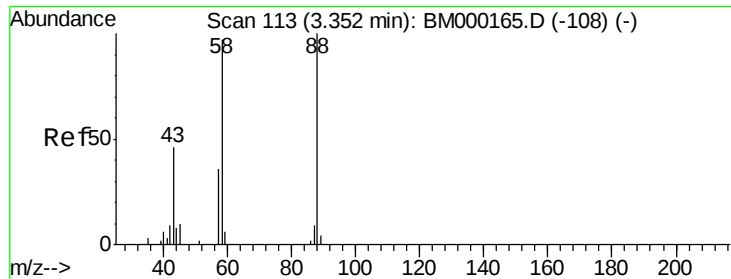
Instrument :
BNA_M
ClientSampleId :
C0AN8

Quant Time: Jan 14 12:58:36 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)
85) Benzo(b)fluoranthene	22.99	252	1002	0.02	ng/ul#	61
86) Benzo(k)fluoranthene	23.04	252	217	0.01	ng/ul#	16
88) Benzo(a)pyrene	23.59	252	239	0.01	ng/ul#	61

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

```
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011315\  
Data File : BM000177.D  
Acq On    : 13 Jan 2015   20:01  
Operator  : TP/IZ  
Sample    : G1063-09  
Misc      :  
ALS Vial  : 14      Sample Multiplier: 1
```



#2

1,4-Dioxane

Concen: 32.88 ng/uL

RT: 3.35 min Scan# 113

Delta R.T. -0.01 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Instrument :

BNA_M

ClientSampled :

COAN8

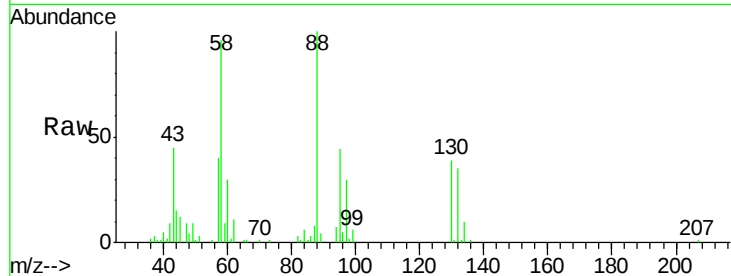
Tgt Ion: 88 Resp: 89320

Ion Ratio Lower Upper

88 100

43 44.3 34.9 52.3

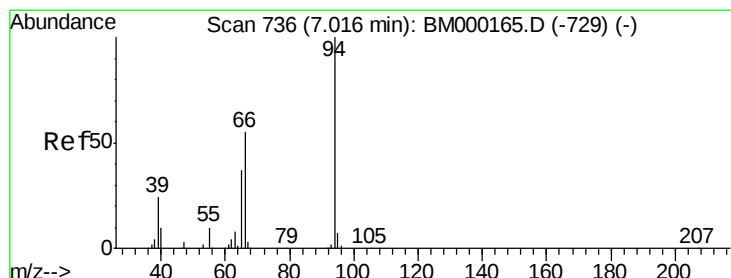
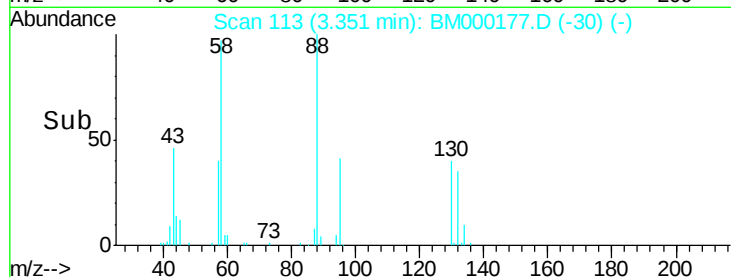
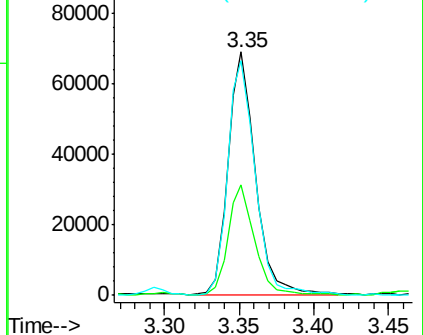
58 96.6 67.3 100.9



Abundance Ion 88.00 (87.70 to 88.70): BM000177.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM000177.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM000177.D (-30) (-)



#6

Phenol

Concen: 0.03 ng/uL

RT: 7.02 min Scan# 736

Delta R.T. -0.01 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

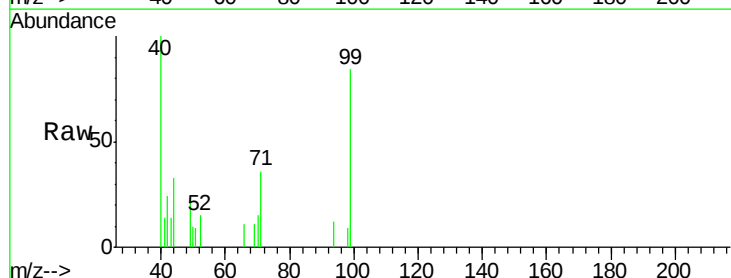
Tgt Ion: 94 Resp: 258

Ion Ratio Lower Upper

94 100

65 0.0 27.4 41.0#

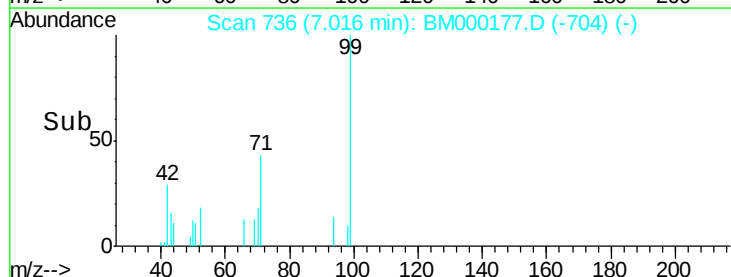
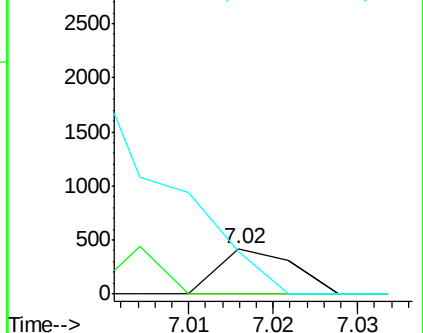
66 93.6 42.5 63.7#

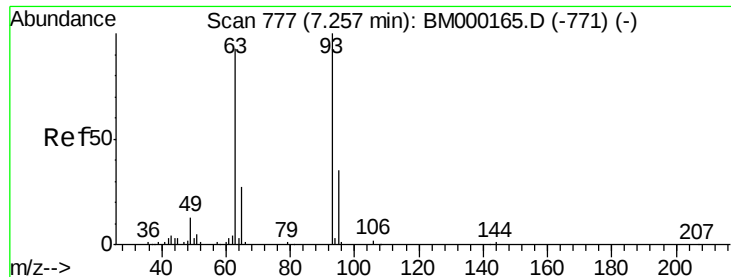


Abundance Ion 94.00 (93.70 to 94.70): BM000177.D (-704) (-)

Ion 65.00 (64.70 to 65.70): BM000177.D (-704) (-)

Ion 66.00 (65.70 to 66.70): BM000177.D (-704) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 0.14 ng/ul

RT: 7.26 min Scan# 777

Delta R.T. -0.01 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Instrument :

BNA_M

ClientSampleId :

COAN8

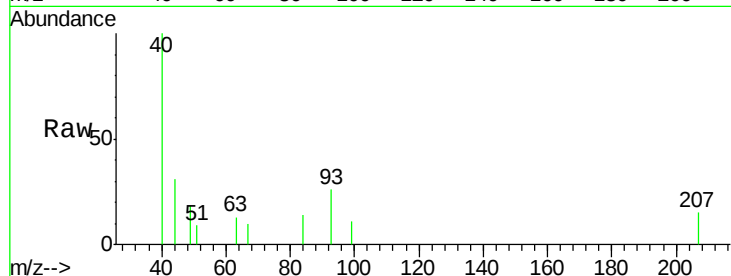
Tgt Ion: 93 Resp: 1070

Ion Ratio Lower Upper

93 100

63 49.4 68.9 103.3#

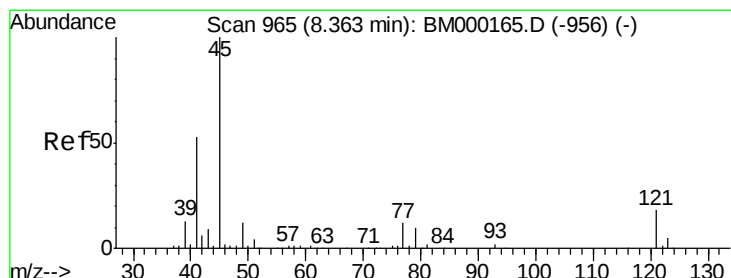
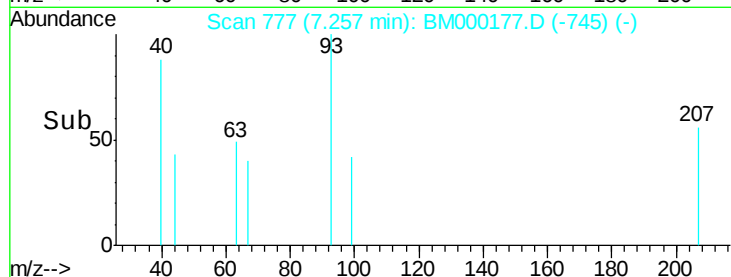
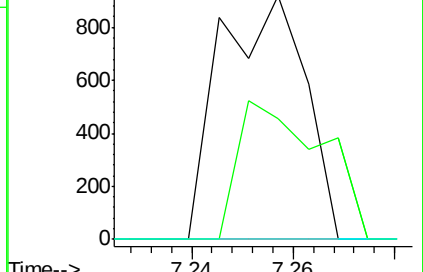
95 0.0 24.6 37.0#



Abundance Ion 93.00 (92.70 to 93.70): BM000165.D (-771) (-)

Ion 63.00 (62.70 to 63.70): BM000165.D (-771) (-)

Ion 95.00 (94.70 to 95.70): BM000165.D (-771) (-)



#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: BM000177.D

Acq: 13 Jan 2015 20:01

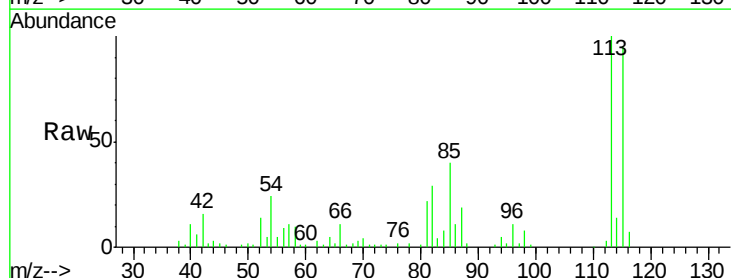
Tgt Ion: 45 Resp: 901

Ion Ratio Lower Upper

45 100

77 0.0 9.9 14.9#

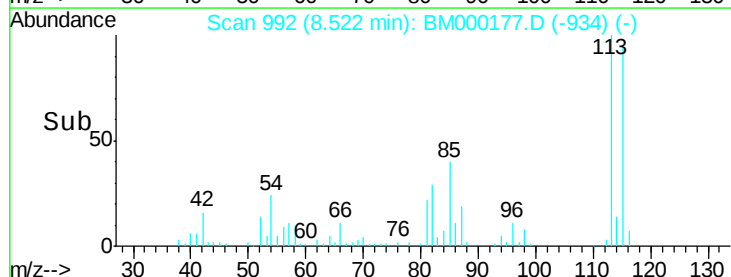
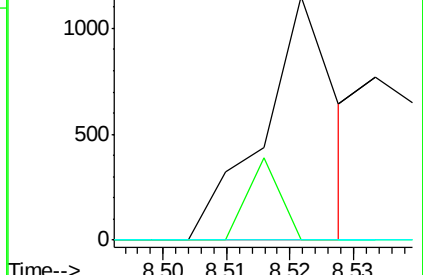
79 0.0 8.3 12.5#

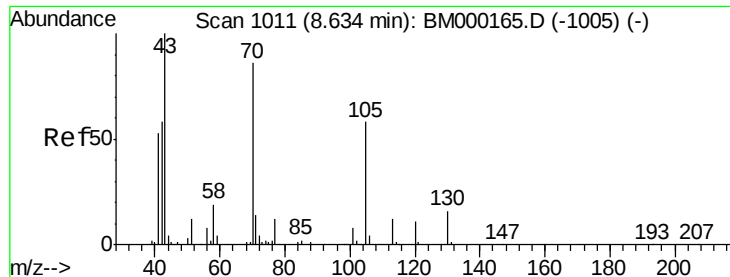


Abundance Ion 45.00 (44.70 to 45.70): BM000165.D (-956) (-)

Ion 77.00 (76.70 to 77.70): BM000165.D (-956) (-)

Ion 79.00 (78.70 to 79.70): BM000165.D (-956) (-)

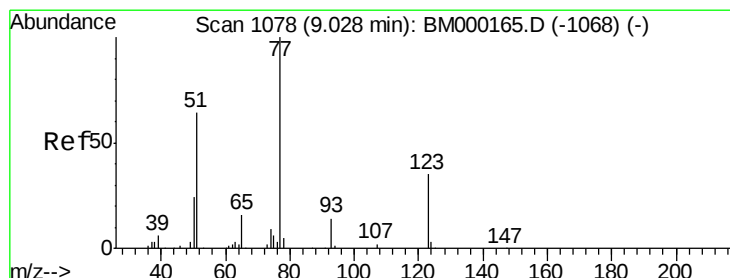
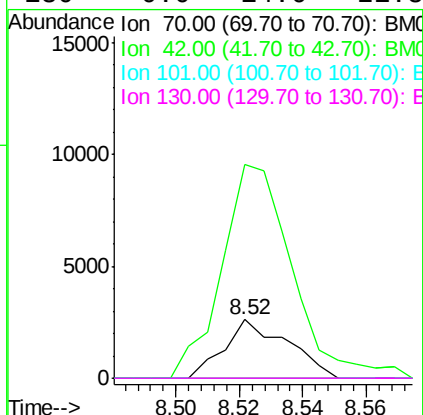
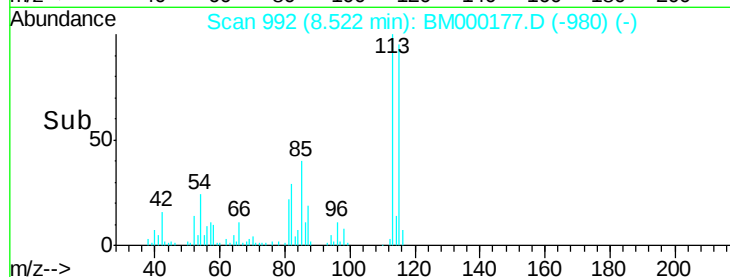
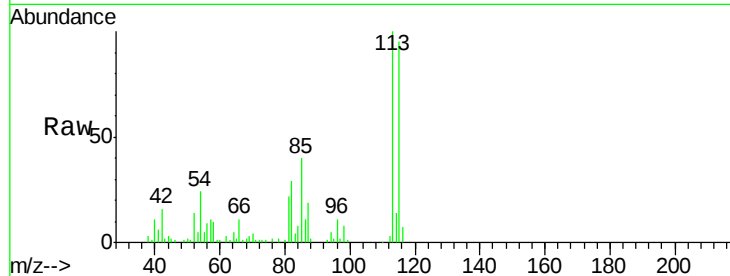




#15
N-Nitroso-di-n-propylamine
Concen: 0.52 ng/ul
RT: 8.52 min Scan# 992
Delta R.T. -0.13 min
Lab File: BM000177.D
Acq: 13 Jan 2015 20:01

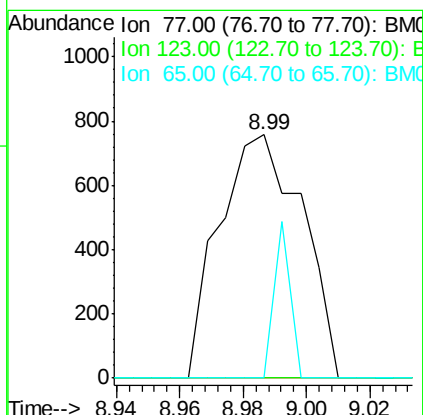
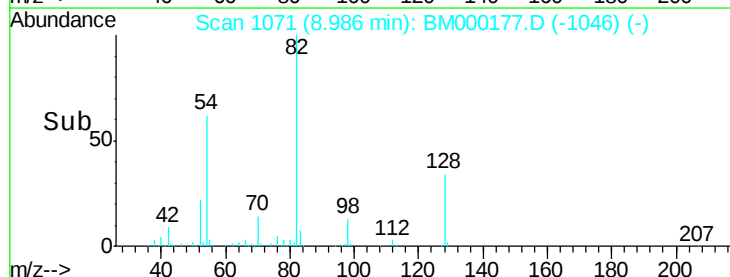
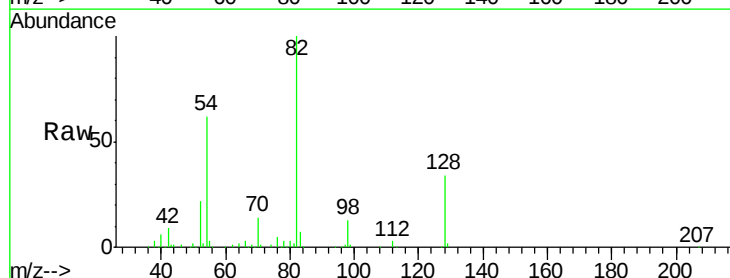
Instrument :
BNA_M
ClientSampleId :
COAN8

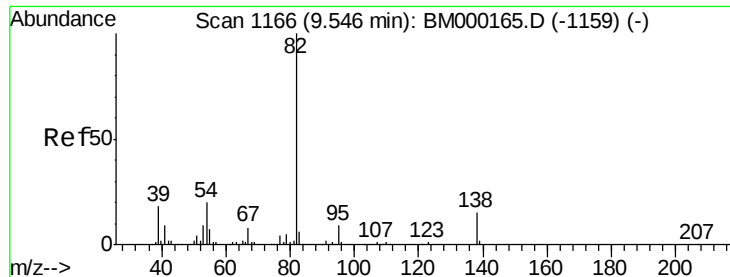
Tgt Ion: 70 Resp: 3641
Ion Ratio Lower Upper
70 100
42 363.7 46.4 69.6#
101 0.0 7.8 11.8#
130 0.0 14.6 21.8#



#20
Nitrobenzene
Concen: 0.15 ng/ul
RT: 8.99 min Scan# 1071
Delta R.T. -0.06 min
Lab File: BM000177.D
Acq: 13 Jan 2015 20:01

Tgt Ion: 77 Resp: 1379
Ion Ratio Lower Upper
77 100
123 0.0 29.2 43.8#
65 0.0 12.4 18.6#





#21

Isophorone

Concen: 0.77 ng/ul

RT: 9.71 min Scan# 1194

Delta R.T. 0.14 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Instrument :

BNA_M

ClientSampleId :

COAN8

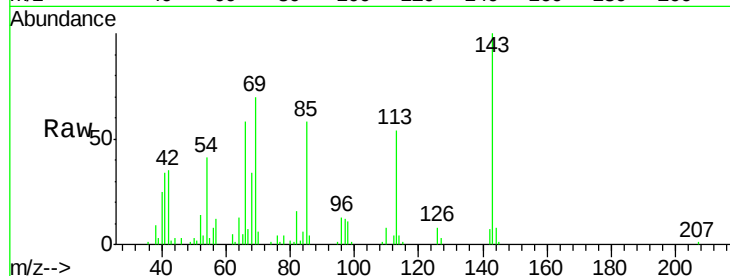
Tgt Ion: 82 Resp: 13785

Ion Ratio Lower Upper

82 100

95 6.7 6.9 10.3#

138 0.0 12.1 18.1#

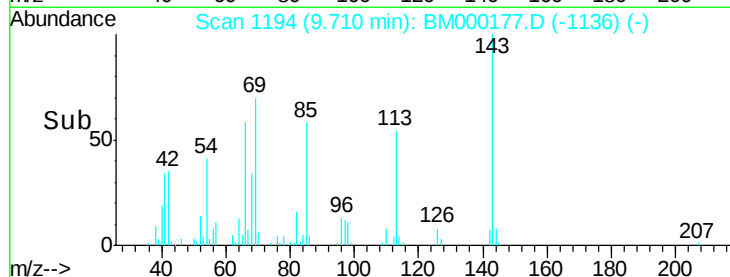


Abundance Ion 82.00 (81.70 to 82.70): BM000165.D (-1159) (-)

Ion 95.00 (94.70 to 95.70): BM000165.D (-1159) (-)

Ion 138.00 (137.70 to 138.70): BM000165.D (-1159) (-)

Time-->

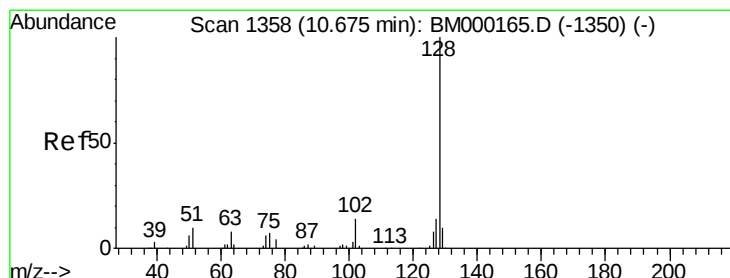


Abundance Ion 82.00 (81.70 to 82.70): BM000177.D (-1136) (-)

Ion 95.00 (94.70 to 95.70): BM000177.D (-1136) (-)

Ion 138.00 (137.70 to 138.70): BM000177.D (-1136) (-)

Time-->



#28

Naphthalene

Concen: 0.01 ng/ul

RT: 10.67 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

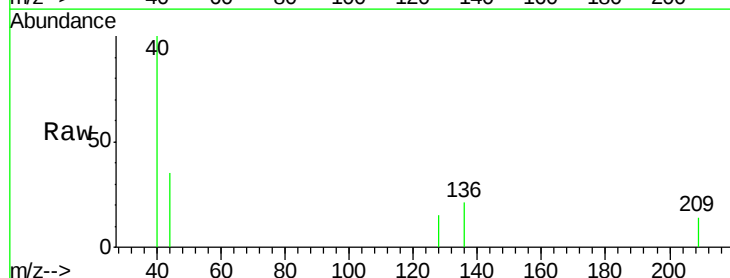
Tgt Ion: 128 Resp: 283

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.3 15.5#

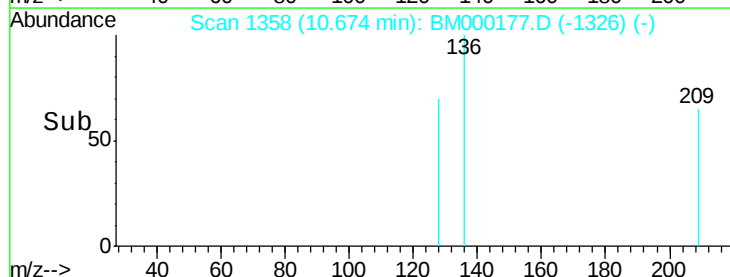


Abundance Ion 128.00 (127.70 to 128.70): BM000165.D (-1350) (-)

Ion 129.00 (128.70 to 129.70): BM000165.D (-1350) (-)

Ion 127.00 (126.70 to 127.70): BM000165.D (-1350) (-)

Time-->

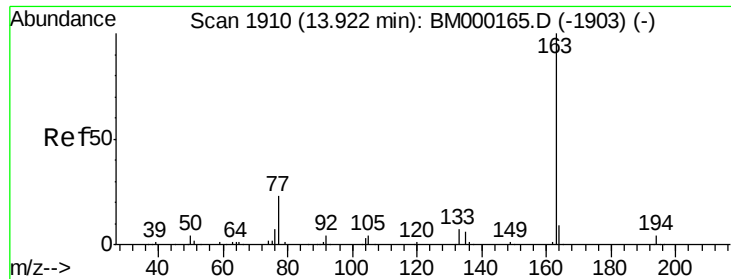


Abundance Ion 128.00 (127.70 to 128.70): BM000177.D (-1326) (-)

Ion 129.00 (128.70 to 129.70): BM000177.D (-1326) (-)

Ion 127.00 (126.70 to 127.70): BM000177.D (-1326) (-)

Time-->



#44

Dimethylphthalate

Concen: 1.80 ng/ul

RT: 13.92 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Instrument :

BNA_M

ClientSampleId :

COAN8

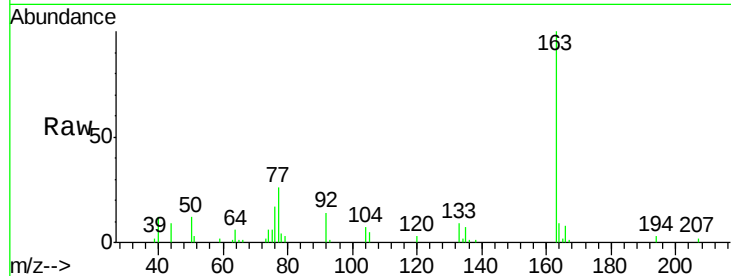
Tgt Ion:163 Resp: 40578

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

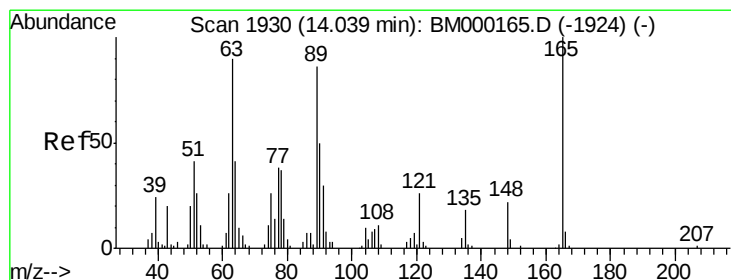
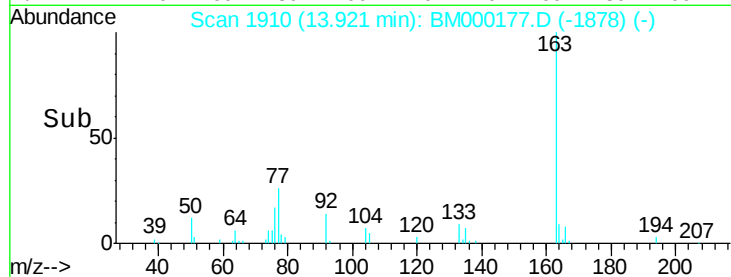
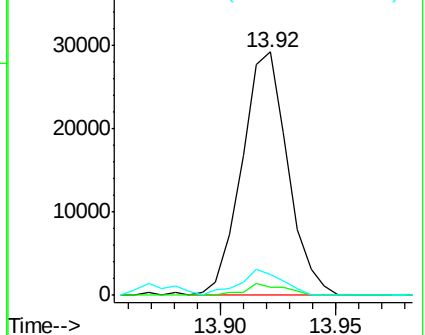
164 8.6 8.5 12.7



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: 0.09 ng/ul

RT: 14.00 min Scan# 1923

Delta R.T. -0.06 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

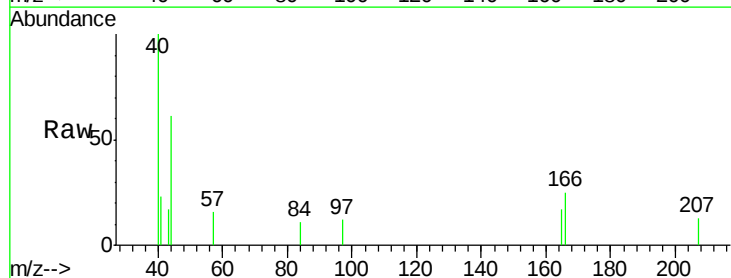
Tgt Ion:165 Resp: 353

Ion Ratio Lower Upper

165 100

89 0.0 54.4 81.6#

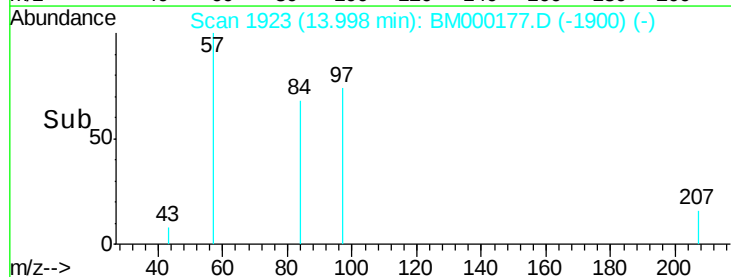
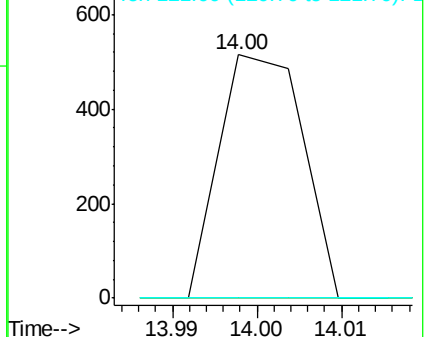
121 0.0 18.6 28.0#

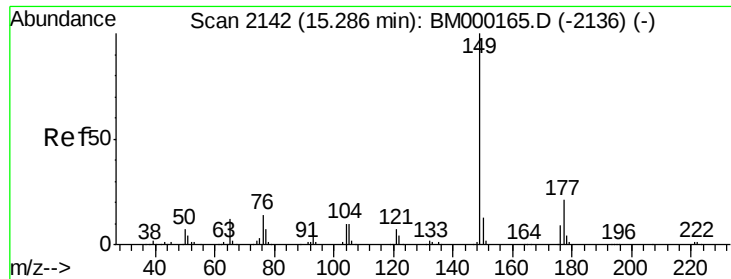


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E

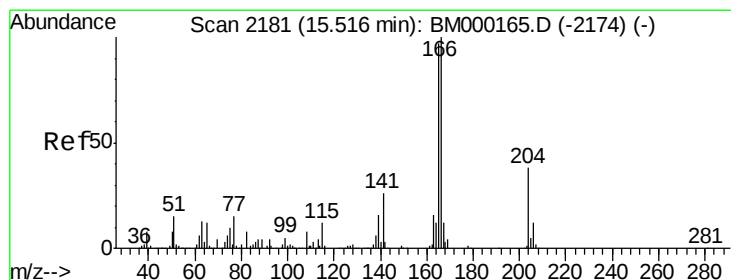
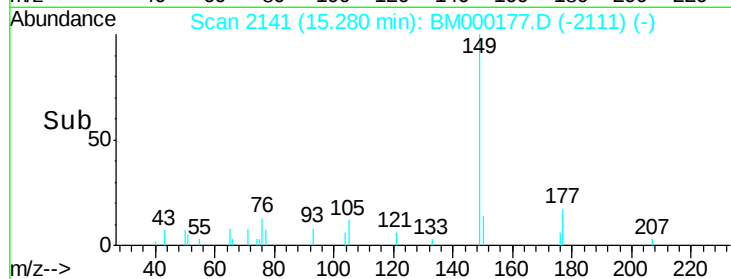
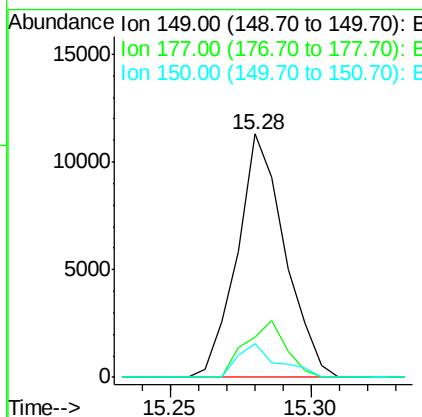
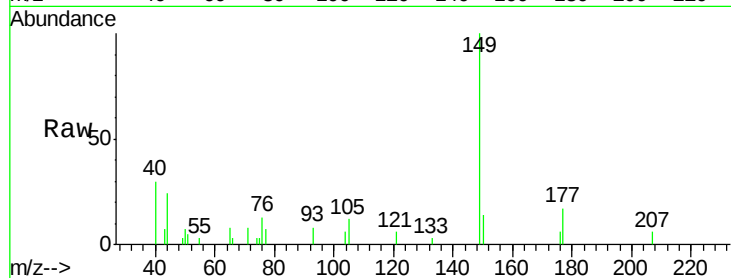




#56
Diethylphthalate
Concen: 0.56 ng/ul
RT: 15.28 min Scan# 2141
Delta R.T. -0.03 min
Lab File: BM000177.D
Acq: 13 Jan 2015 20:01

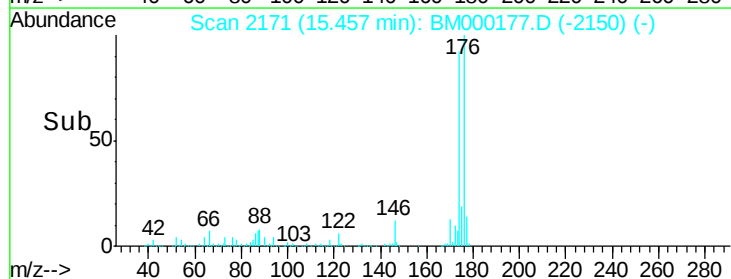
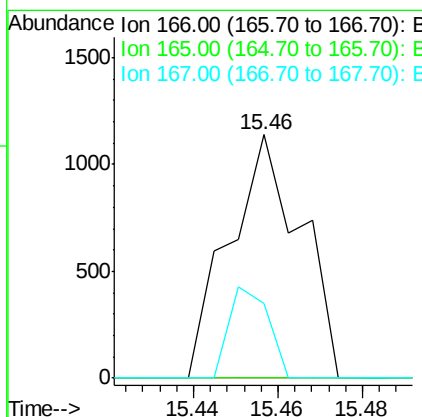
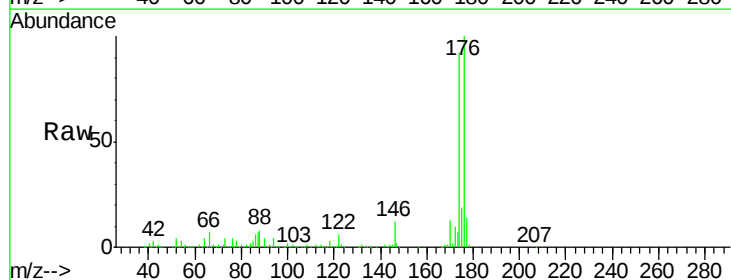
Instrument :
BNA_M
ClientSampleId :
COAN8

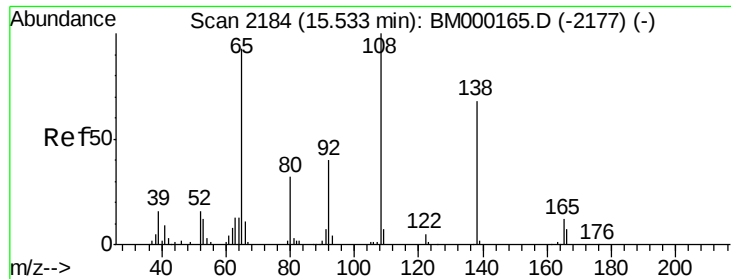
Tgt Ion:149 Resp: 13230
Ion Ratio Lower Upper
149 100
177 16.5 17.4 26.2#
150 14.1 10.5 15.7



#58
Fluorene
Concen: 0.06 ng/ul
RT: 15.46 min Scan# 2171
Delta R.T. -0.08 min
Lab File: BM000177.D
Acq: 13 Jan 2015 20:01

Tgt Ion:166 Resp: 1343
Ion Ratio Lower Upper
166 100
165 0.0 76.0 114.0#
167 30.5 10.2 15.4#

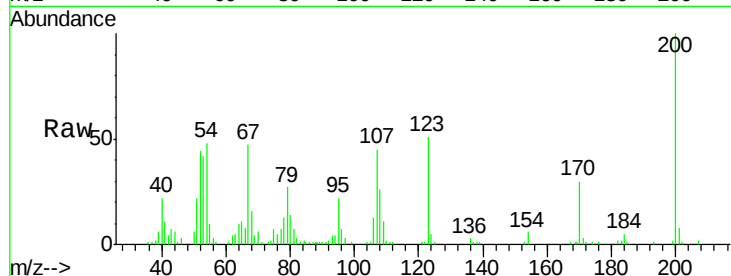




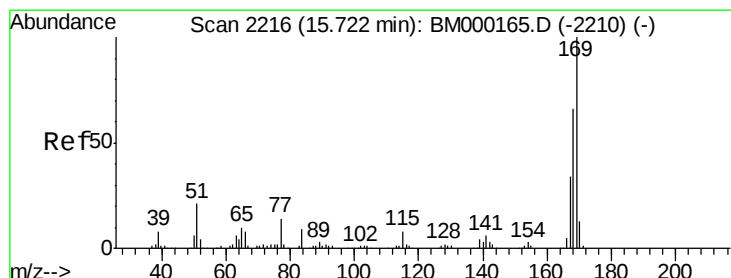
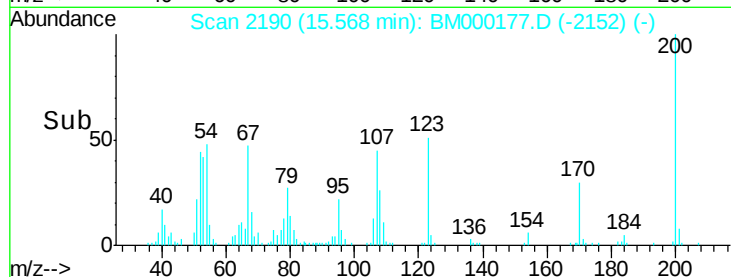
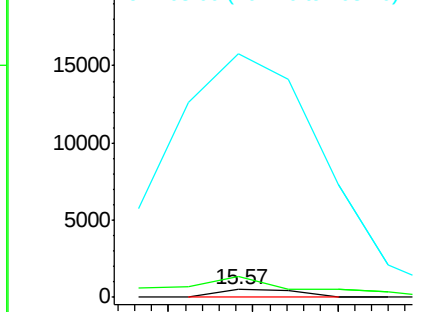
#60
4-Nitroaniline
Concen: 0.07 ng/ul
RT: 15.57 min Scan# 2190
Delta R.T. 0.02 min
Lab File: BM000177.D
Acq: 13 Jan 2015 20:01

Instrument :
BNA_M
ClientSampleId :
COAN8

Tgt Ion:138 Resp: 332
Ion Ratio Lower Upper
138 100
92 254.9 49.3 73.9#
108 3051.3 110.3 165.5#

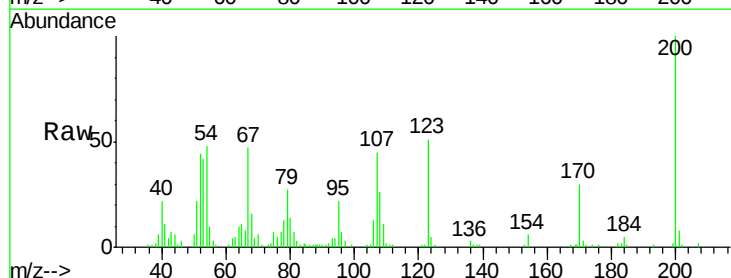


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

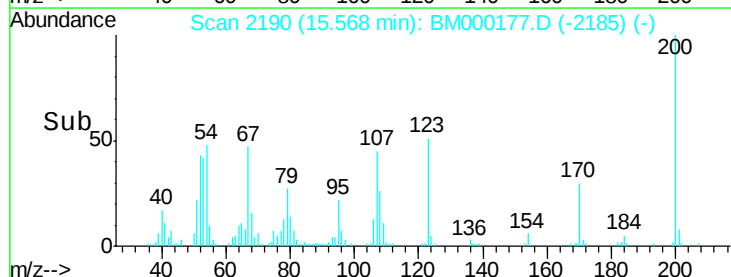
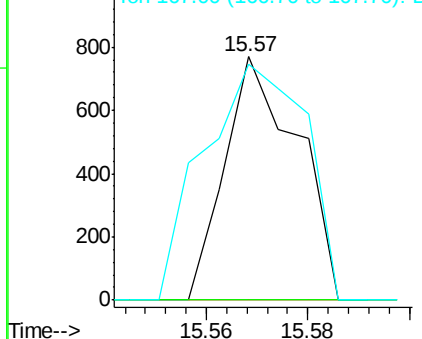


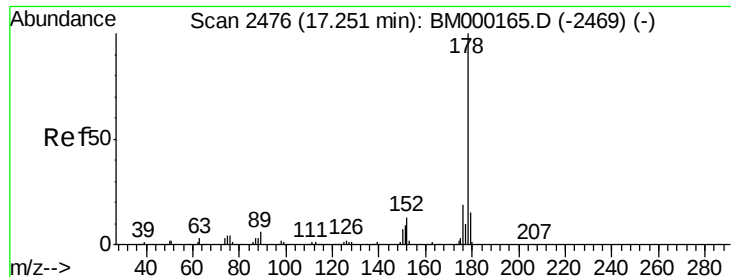
#64
N-Nitrosodiphenylamine
Concen: 0.04 ng/ul
RT: 15.57 min Scan# 2190
Delta R.T. -0.17 min
Lab File: BM000177.D
Acq: 13 Jan 2015 20:01

Tgt Ion:169 Resp: 766
Ion Ratio Lower Upper
169 100
168 0.0 51.8 77.6#
167 96.8 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: 0.02 ng/ul

RT: 17.25 min Scan# 2476

Delta R.T. -0.02 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Instrument :

BNA_M

ClientSampleId :

COAN8

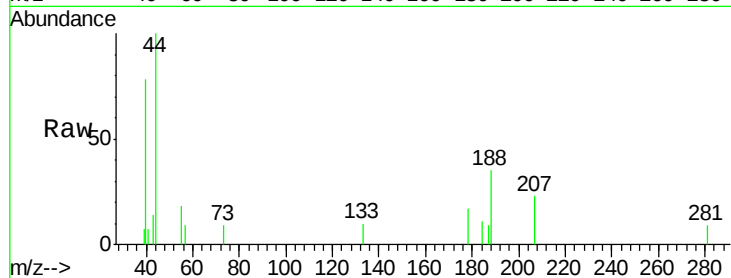
Tgt Ion:178 Resp: 614

Ion Ratio Lower Upper

178 100

179 0.0 11.6 17.4#

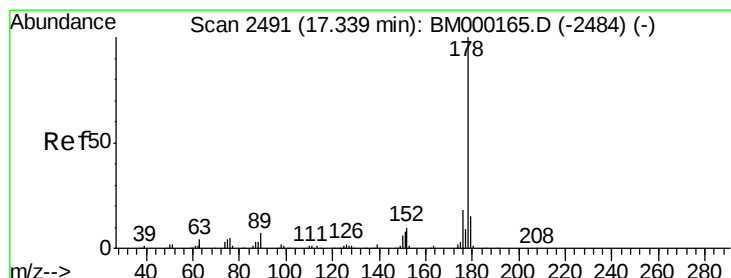
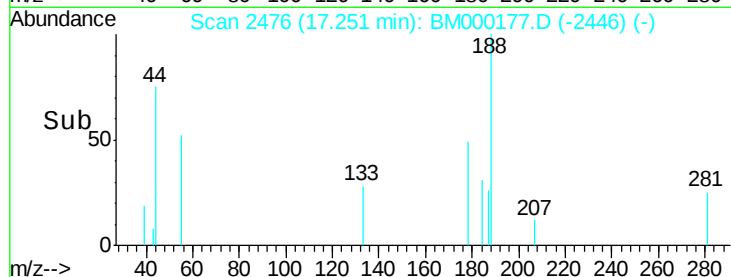
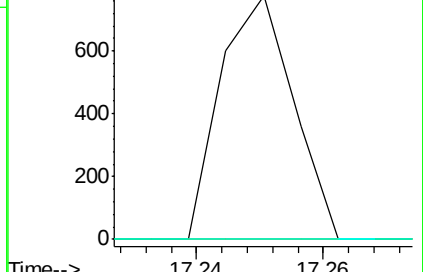
176 0.0 14.6 22.0#



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: 0.02 ng/ul

RT: 17.25 min Scan# 2476

Delta R.T. -0.10 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

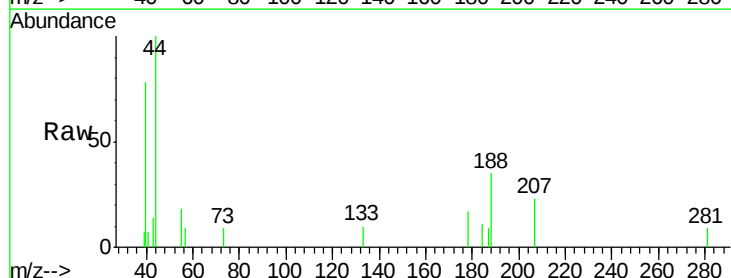
Tgt Ion:178 Resp: 614

Ion Ratio Lower Upper

178 100

179 0.0 12.6 18.8#

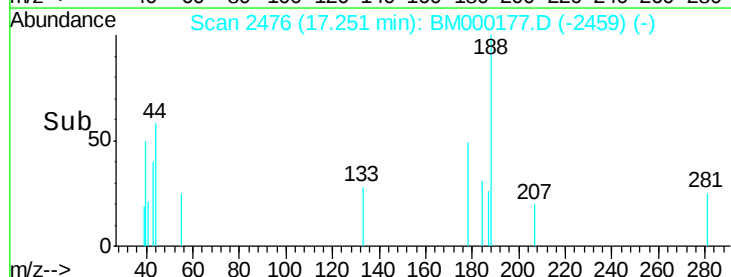
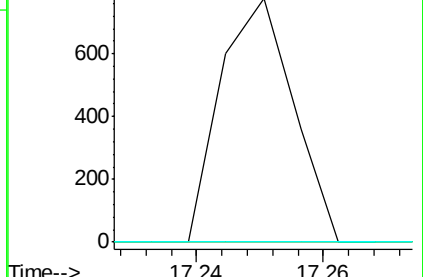
176 0.0 14.6 21.8#

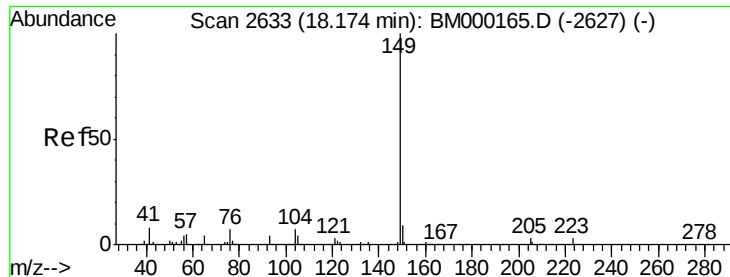


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 0.11 ng/ul

RT: 18.17 min Scan# 2632

Delta R.T. -0.03 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Instrument :

BNA_M

ClientSampleId :

COAN8

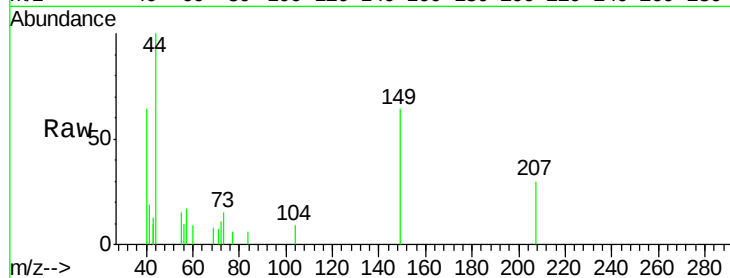
Tgt Ion:149 Resp: 4059

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

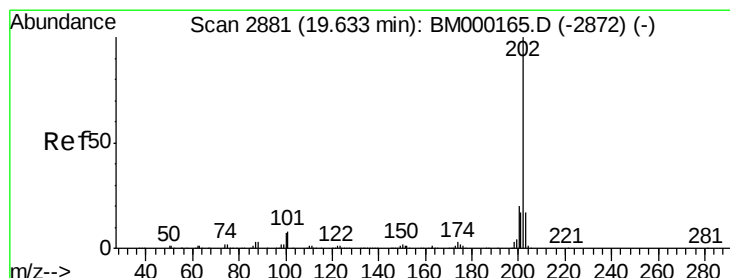
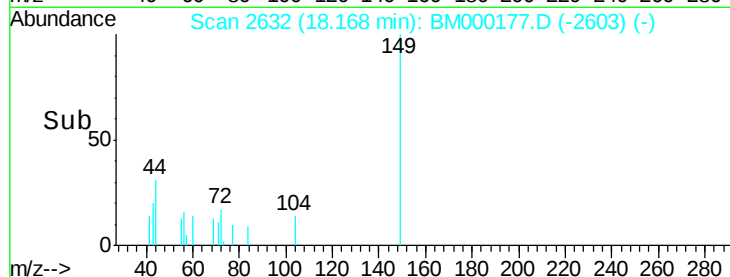
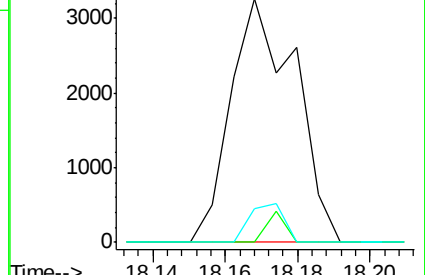
104 13.8 4.8 7.2#



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: 0.01 ng/ul

RT: 19.62 min Scan# 2879

Delta R.T. -0.03 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

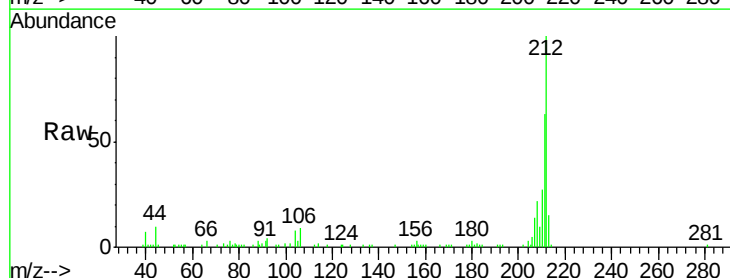
Tgt Ion:202 Resp: 306

Ion Ratio Lower Upper

202 100

101 0.0 6.9 10.3#

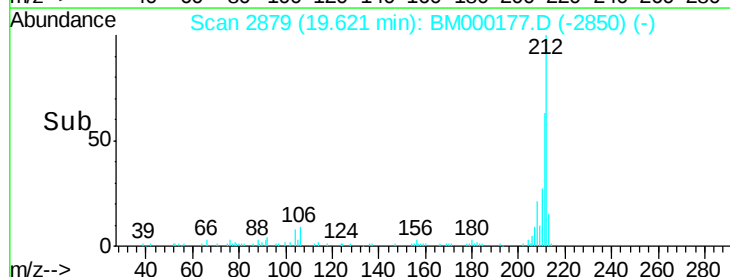
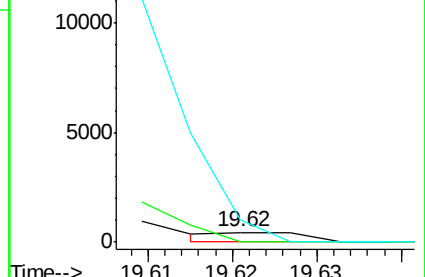
100 224.0 5.5 8.3#

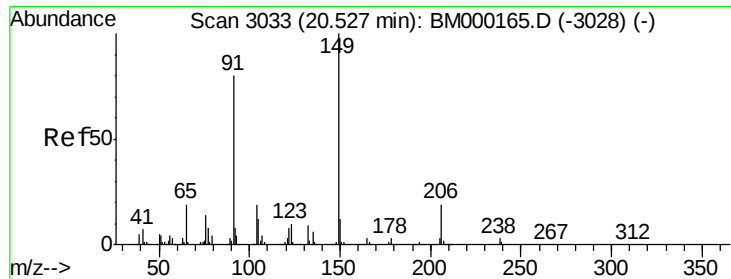


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 0.07 ng/ul

RT: 20.53 min Scan# 3033

Delta R.T. -0.02 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Instrument :

BNA_M

ClientSampled :

COAN8

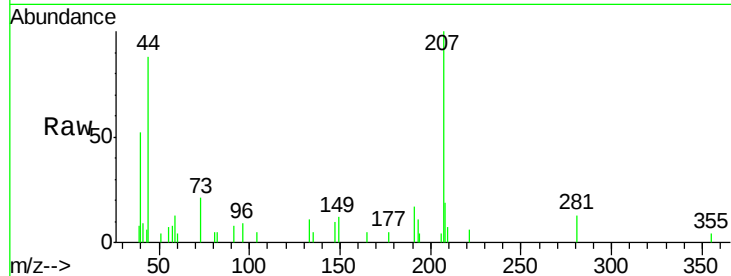
Tgt Ion:149 Resp: 1277

Ion Ratio Lower Upper

149 100

91 63.8 56.6 84.8

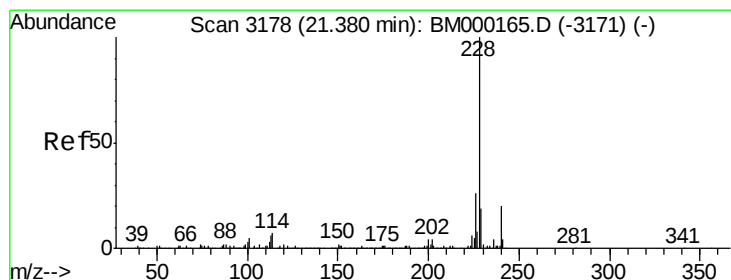
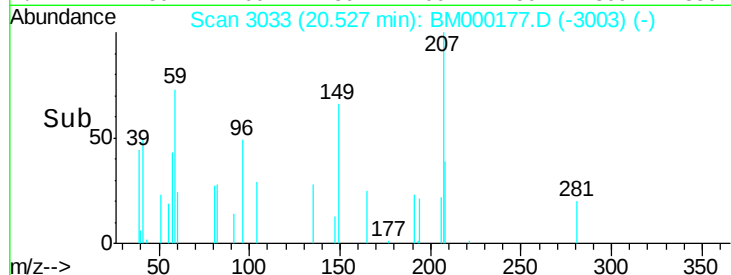
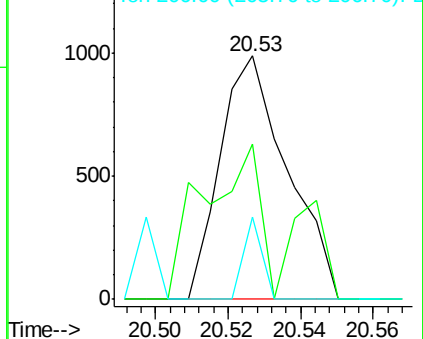
206 33.7 16.8 25.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.39 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

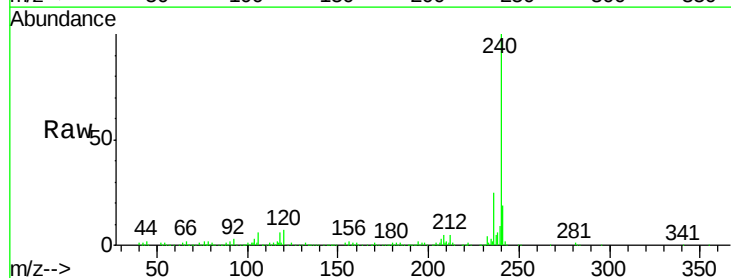
Tgt Ion:228 Resp: 2419

Ion Ratio Lower Upper

228 100

229 24.5 15.8 23.8#

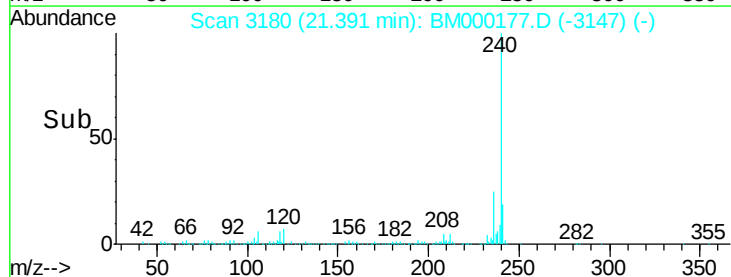
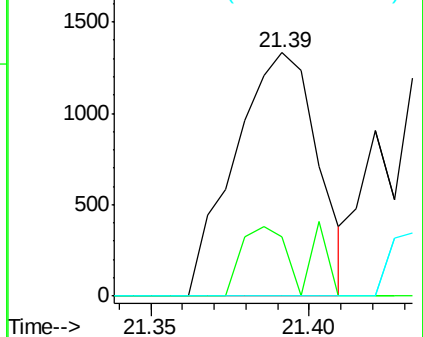
226 0.0 20.7 31.1#

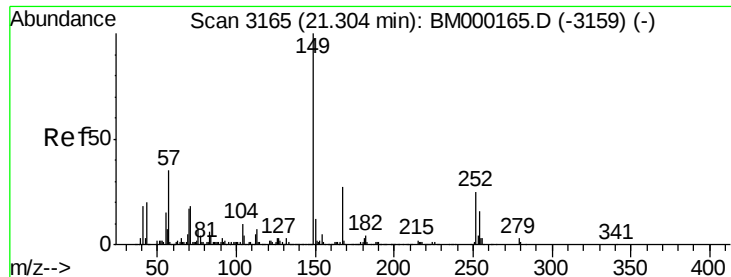


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

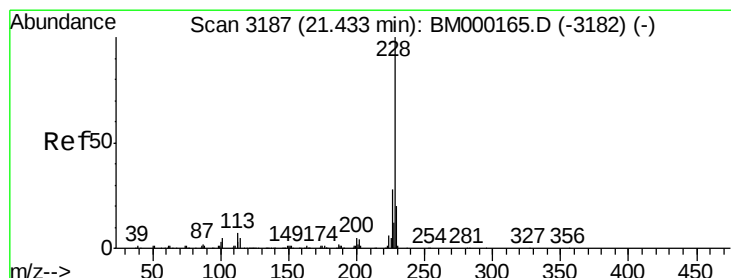
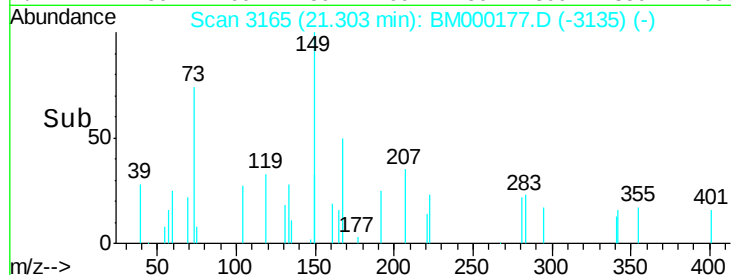
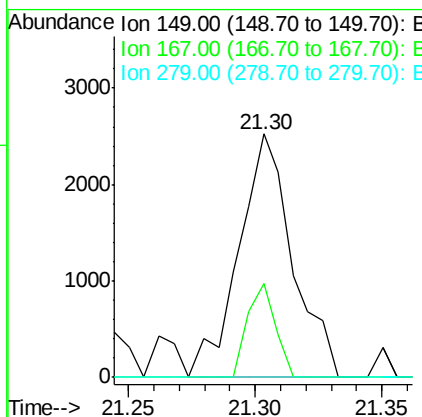
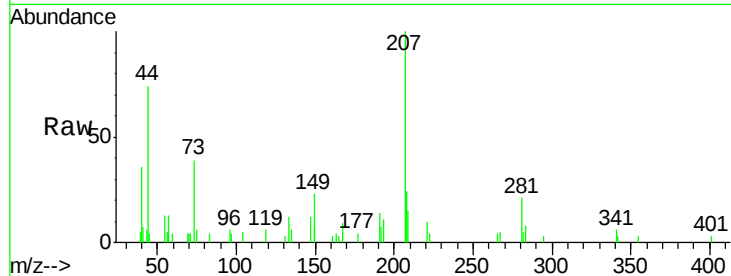




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.15 ng/ul
 RT: 21.30 min Scan# 3165
 Delta R.T. -0.03 min
 Lab File: BM000177.D
 Acq: 13 Jan 2015 20:01

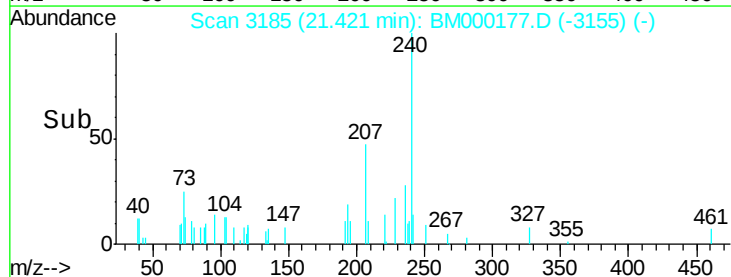
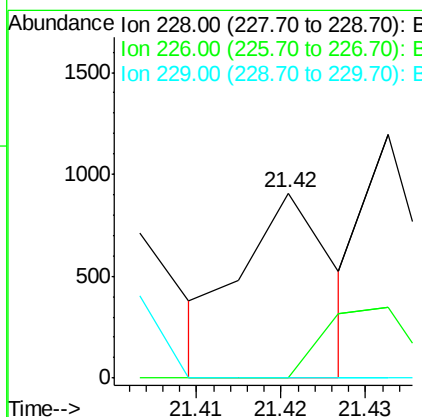
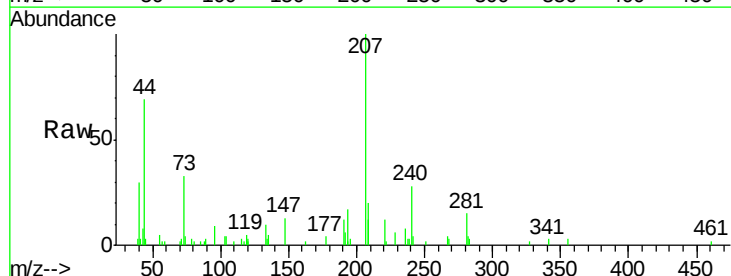
Instrument :
 BNA_M
 ClientSampleId :
 COAN8

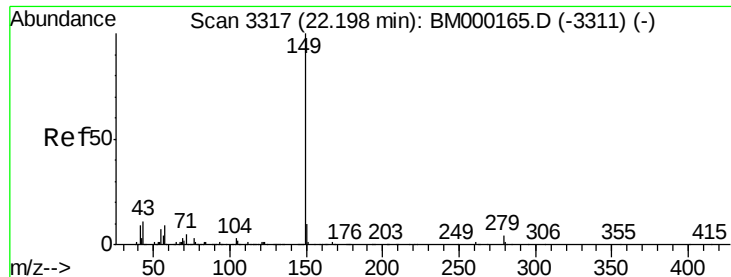
Tgt Ion:149 Resp: 3721
 Ion Ratio Lower Upper
 149 100
 167 38.5 22.1 33.1#
 279 0.0 3.0 4.6#



#82
 Chrysene
 Concen: 0.02 ng/ul
 RT: 21.42 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BM000177.D
 Acq: 13 Jan 2015 20:01

Tgt Ion:228 Resp: 675
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.0 34.4#
 229 0.0 15.6 23.4#





#84

Di-n-octyl phthalate

Concen: 0.02 ng/ul

RT: 22.20 min Scan# 3317

Delta R.T. -0.03 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

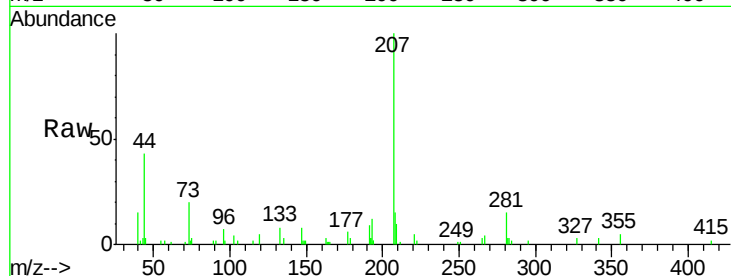
Instrument :

BNA_M

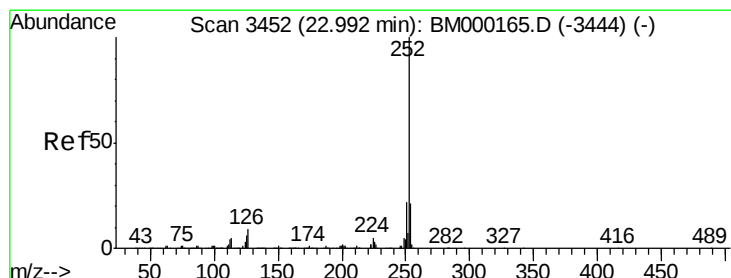
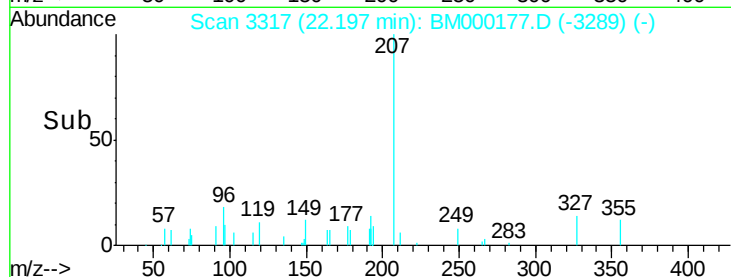
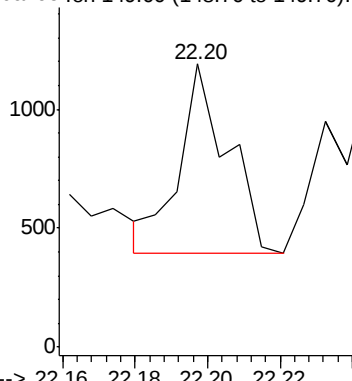
ClientSampleId :

COAN8

Tgt Ion:149 Resp: 736



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.99 min Scan# 3452

Delta R.T. -0.03 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

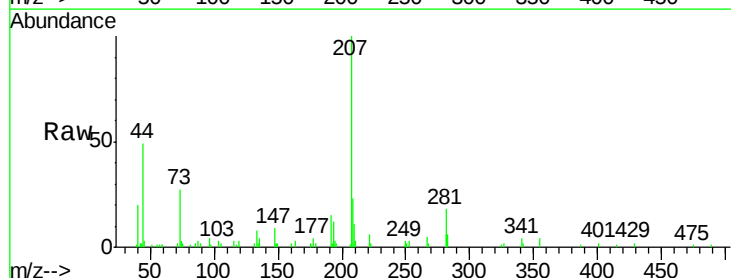
Tgt Ion:252 Resp: 1002

Ion Ratio Lower Upper

252 100

253 0.0 17.1 25.7#

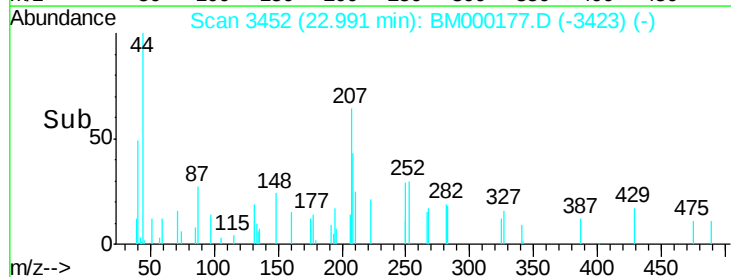
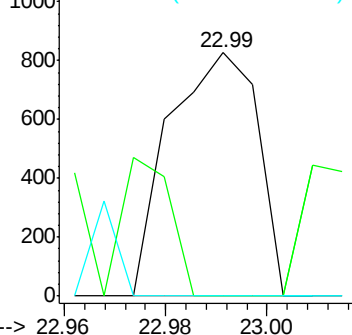
125 0.0 4.8 7.2#

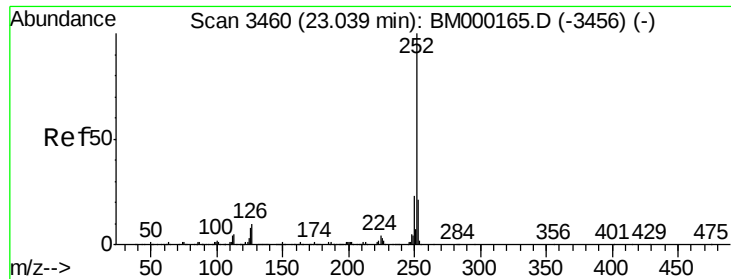


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 23.04 min Scan# 3461

Delta R.T. -0.02 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

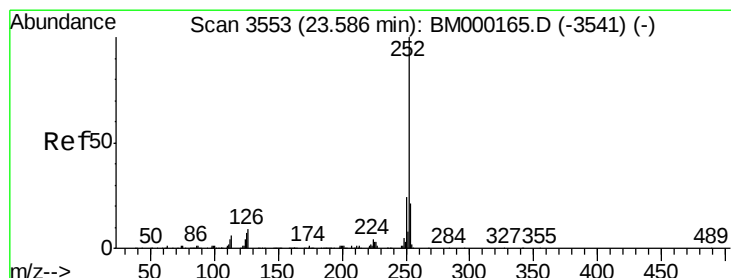
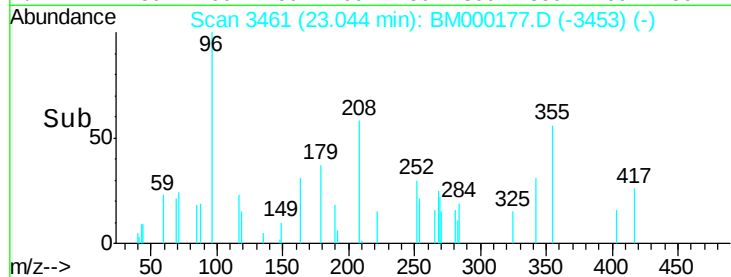
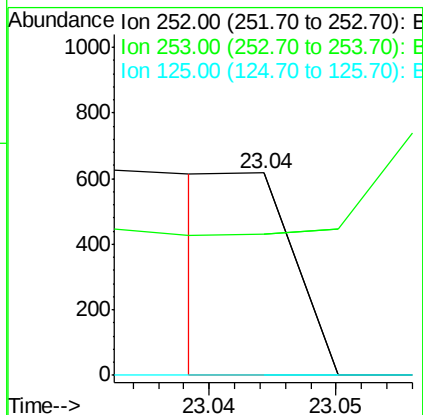
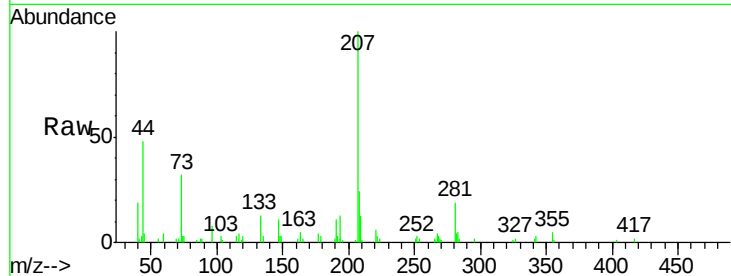
Instrument :

BNA_M

ClientSampled :

COAN8

Tgt Ion:	252	Resp:	217
Ion Ratio	Lower	Upper	
252	100		
253	69.9	17.2	25.8#
125	0.0	4.9	7.3#



#88

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.59 min Scan# 3554

Delta R.T. -0.02 min

Lab File: BM000177.D

Acq: 13 Jan 2015 20:01

Tgt Ion:	252	Resp:	239
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.0	25.6#
125	0.0	5.8	8.6#

