

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011315\
 Data File : BM000167.D
 Acq On : 13 Jan 2015 14:05
 Operator : TP/IZ
 Sample : G1063-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AN6

Quant Time: Jan 14 12:56:22 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	109927	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.62	136	456860	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.46	164	306028	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.21	188	618528	20.00	ng/ul	-0.02
75) Chrysene-d12	21.39	240	700037	20.00	ng/ul	-0.02
83) Perylene-d12	23.68	264	665700	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	725330	382.57	ng/uL	-0.03
5) Phenol-d5	6.99	99	47494	5.14	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.16	67	156069	26.70	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.36	132	141028	20.80	ng/ul	-0.01
13) 4-Methylphenol-d8	8.53	113	88593	12.04	ng/ul	-0.01
19) Nitrobenzene-d5	8.99	128	86198	27.28	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.70	143	89985	27.90	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.24	165	168552	23.66	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.76	131	7510	0.93	ng/ul	-0.02
43) Dimethylphthalate-d6	13.87	166	706536	31.30	ng/ul	-0.01
46) Acenaphthylene-d8	14.16	160	769015	28.44	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.66	143	15764	4.29	ng/ul	0.00
57) Fluorene-d10	15.46	176	587300	30.30	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	82123	28.02	ng/ul	-0.02
70) Anthracene-d10	17.30	188	971978	33.98	ng/ul	-0.01
76) Pyrene-d10	19.60	212	1098225	34.01	ng/ul	-0.02
87) Benzo(a)pyrene-d12	23.53	264	921855	30.51	ng/ul	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.35	88	245536	93.44	ng/uL	92
6) Phenol	7.02	94	4609	0.47	ng/ul#	89
8) Bis(2-Chloroethyl)ether	7.25	93	745	0.10	ng/ul#	16
12) 2,2'-oxybis(1-Chloropropan	8.52	45	684	0.05	ng/ul#	70
15) N-Nitroso-di-n-propylamine	8.55	70	155	0.02	ng/ul#	1
20) Nitrobenzene	8.99	77	396	0.04	ng/ul#	46
21) Isophorone	9.70	82	12937	0.71	ng/ul#	76
28) Naphthalene	10.67	128	133	0.01	ng/ul#	69
44) Dimethylphthalate	13.92	163	15972	0.71	ng/ul#	96
45) 2,6-Dinitrotoluene	13.87	165	5057	1.26	ng/ul#	20
56) Diethylphthalate	15.28	149	2278	0.10	ng/ul#	59
58) Fluorene	15.46	166	1152	0.05	ng/ul#	10
60) 4-Nitroaniline	15.46	138	453	0.09	ng/ul#	1
64) N-Nitrosodiphenylamine	15.58	169	546	0.03	ng/ul#	35
69) Phenanthrene	17.25	178	534	0.02	ng/ul#	61
71) Anthracene	17.25	178	534	0.02	ng/ul#	61
73) Di-n-butylphthalate	18.17	149	3517	0.10	ng/ul#	78
77) Pyrene	19.63	202	438	0.01	ng/ul#	78
78) Butylbenzylphthalate	20.53	149	585	0.03	ng/ul#	63
80) Benzo(a)anthracene	21.39	228	2034	0.05	ng/ul#	45
81) Bis(2-ethylhexyl)phthalate	21.30	149	2703	0.11	ng/ul#	82
82) Chrysene	21.43	228	1022	0.03	ng/ul#	51
84) Di-n-octyl phthalate	22.19	149	629	0.01	ng/ul	100

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

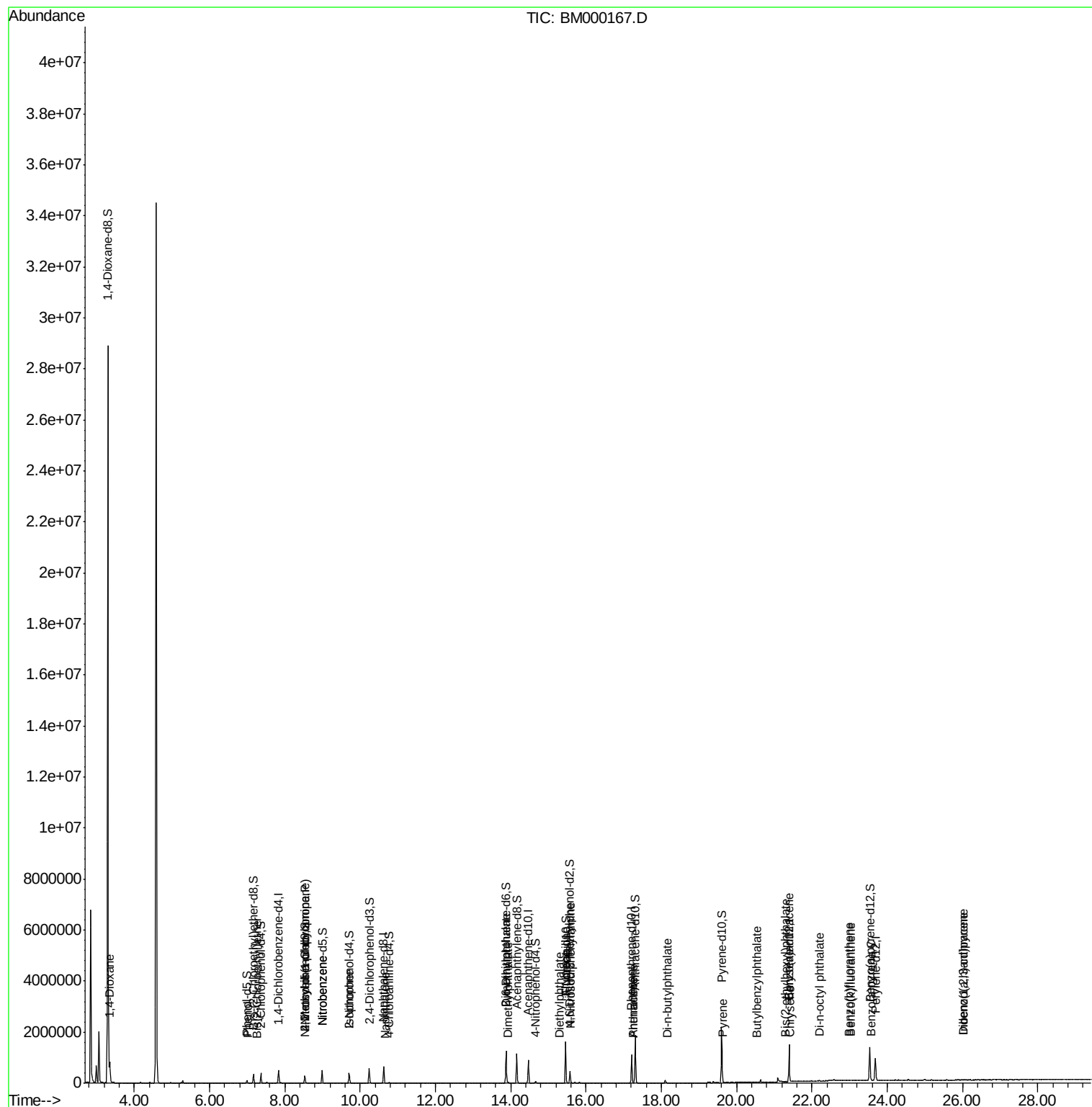
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Benzo(b)fluoranthene	22.99	252	1235	0.03	ng/ul#	62
86) Benzo(k)fluoranthene	23.03	252	343	0.01	ng/ul#	3
88) Benzo(a)pyrene	23.59	252	370	0.01	ng/ul#	1
89) Indeno(1,2,3-cd)pyrene	26.02	276	159	0.00	ng/ul#	55
90) Dibenzo(a,h)anthracene	26.03	278	334	0.01	ng/ul#	57

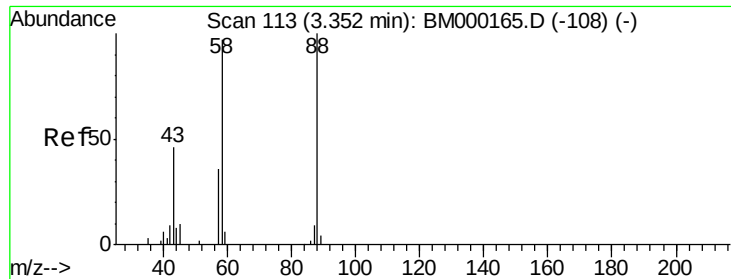
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 93.44 ng/uL

RT: 3.35 min Scan# 113

Delta R.T. -0.01 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

C0AN6

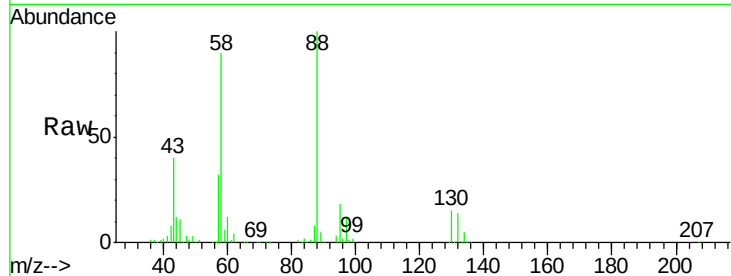
Tgt Ion: 88 Resp: 245536

Ion Ratio Lower Upper

88 100

43 40.4 34.9 52.3

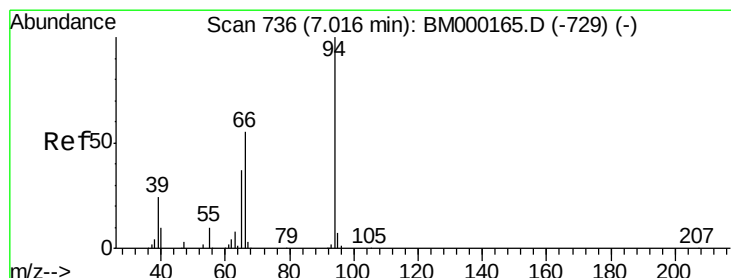
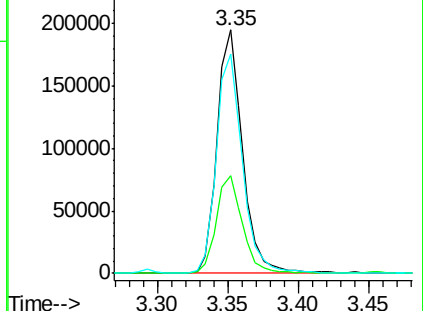
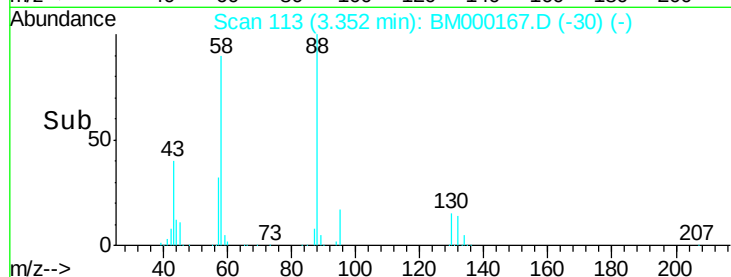
58 92.5 67.3 100.9



Abundance Ion 88.00 (87.70 to 88.70): BM000167.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BM000167.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BM000167.D (-30) (-)



#6

Phenol

Concen: 0.47 ng/uL

RT: 7.02 min Scan# 736

Delta R.T. -0.01 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

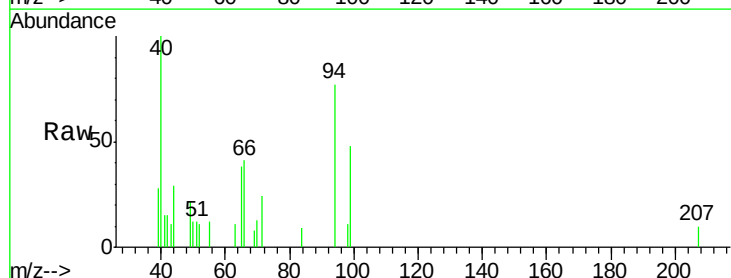
Tgt Ion: 94 Resp: 4609

Ion Ratio Lower Upper

94 100

65 49.9 27.4 41.0#

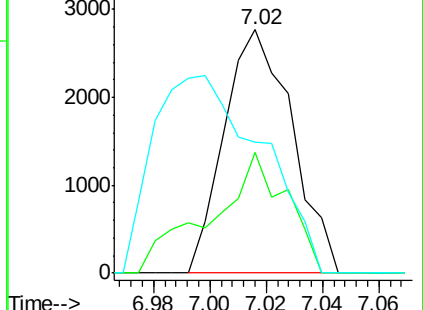
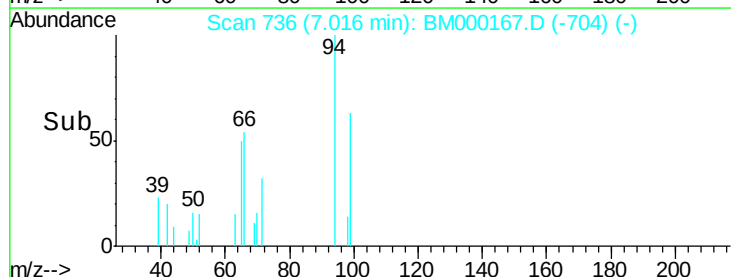
66 53.9 42.5 63.7

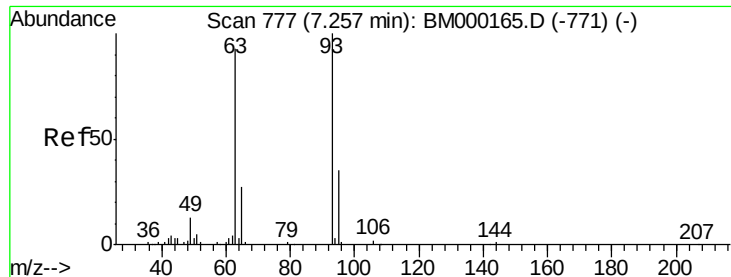


Abundance Ion 94.00 (93.70 to 94.70): BM000167.D (-704) (-)

Ion 65.00 (64.70 to 65.70): BM000167.D (-704) (-)

Ion 66.00 (65.70 to 66.70): BM000167.D (-704) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 0.10 ng/ul

RT: 7.25 min Scan# 776

Delta R.T. -0.02 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

C0AN6

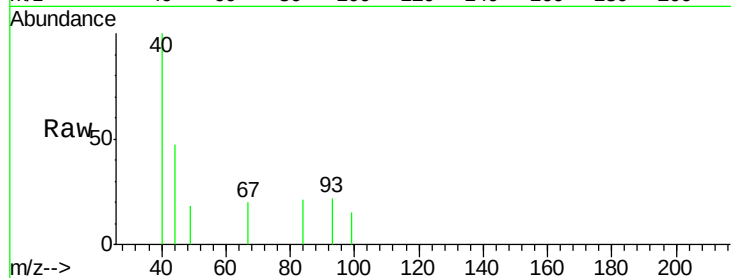
Tgt Ion: 93 Resp: 745

Ion Ratio Lower Upper

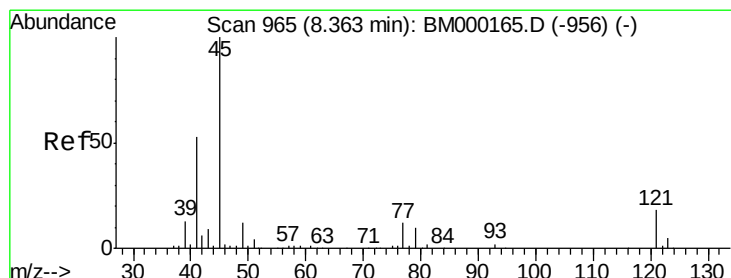
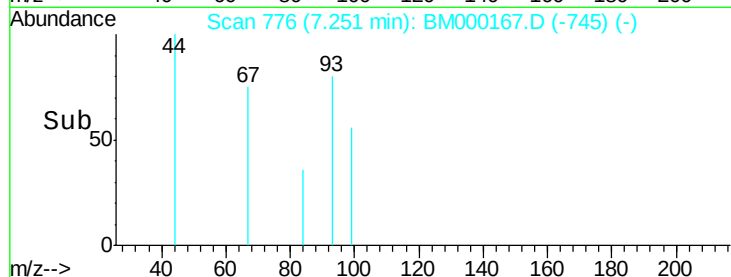
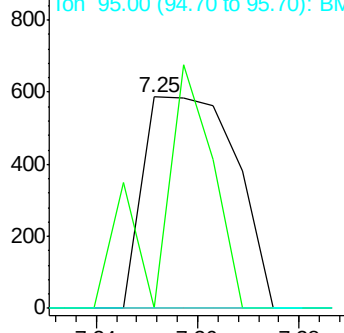
93 100

63 0.0 68.9 103.3#

95 0.0 24.6 37.0#



Abundance Ion 93.00 (92.70 to 93.70): BM000167.D (-745) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.05 ng/ul

RT: 8.52 min Scan# 992

Delta R.T. 0.14 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

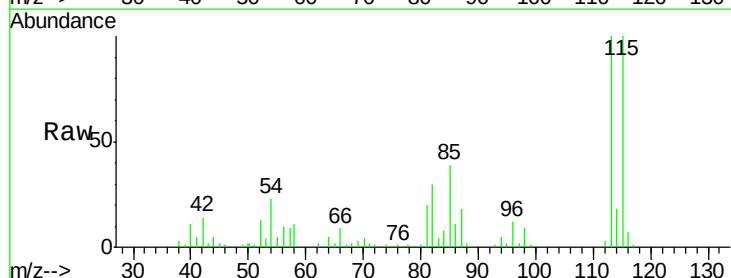
Tgt Ion: 45 Resp: 684

Ion Ratio Lower Upper

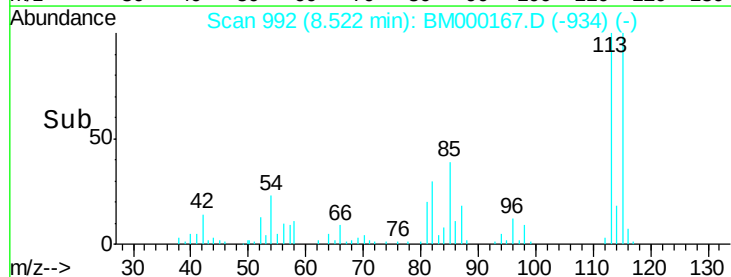
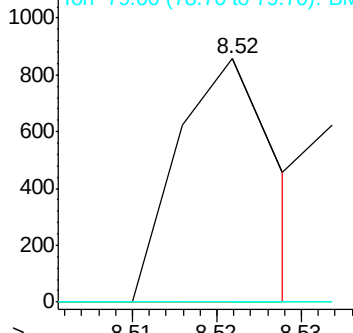
45 100

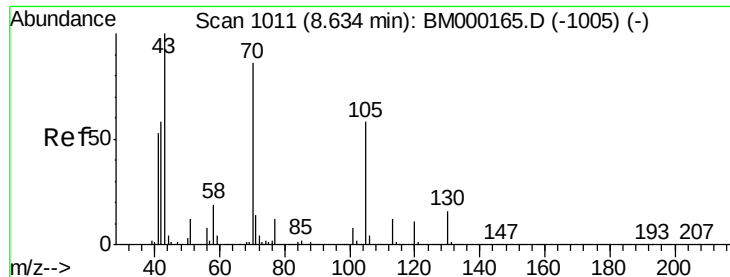
77 0.0 9.9 14.9#

79 0.0 8.3 12.5#



Abundance Ion 45.00 (44.70 to 45.70): BM000167.D (-934) (-)

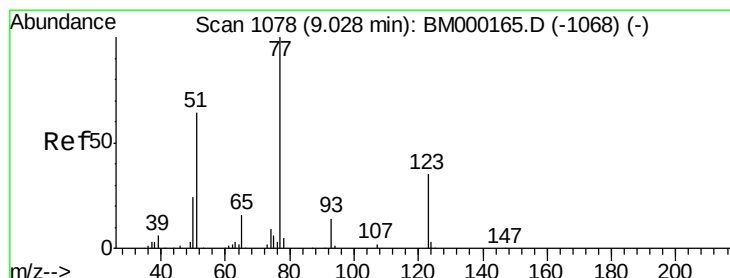
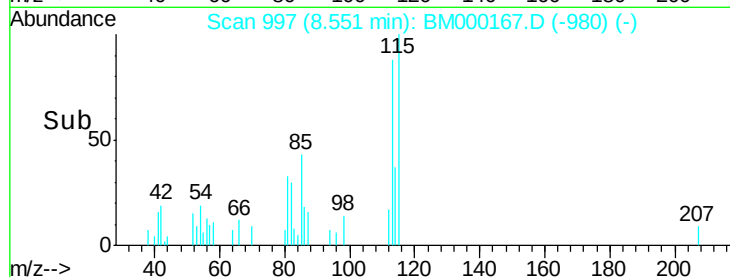
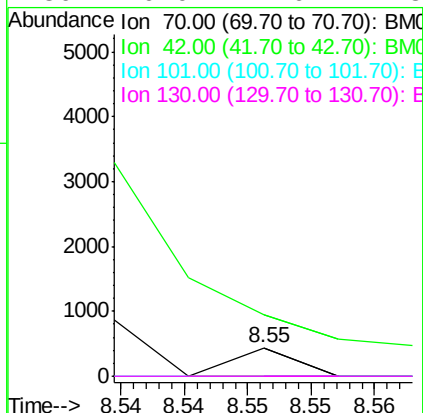
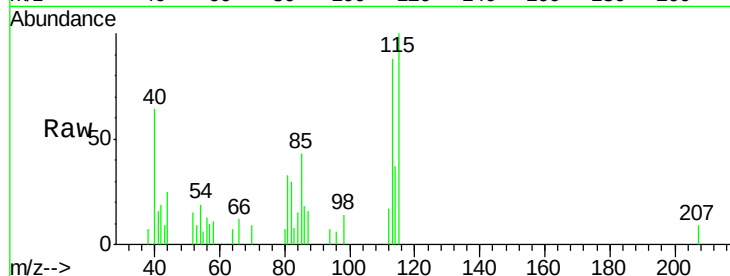




#15
N-Nitroso-di-n-propylamine
Concen: 0.02 ng/ul
RT: 8.55 min Scan# 997
Delta R.T. -0.10 min
Lab File: BM000167.D
Acq: 13 Jan 2015 14:05

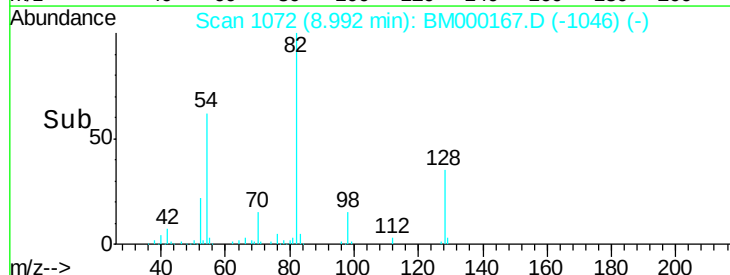
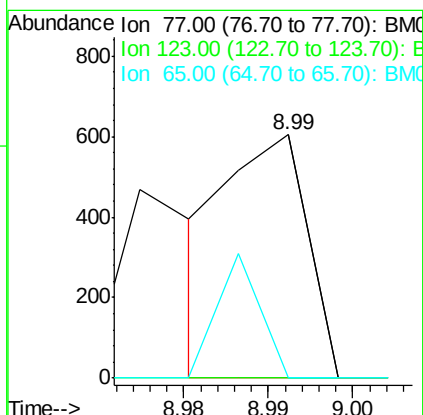
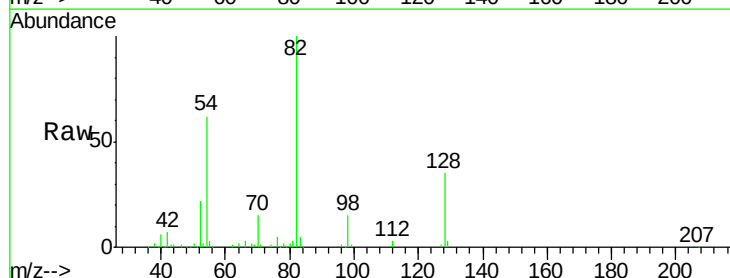
Instrument :
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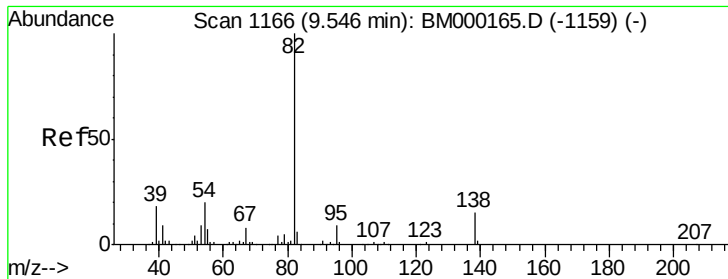
Tgt Ion: 70 Resp: 155
Ion Ratio Lower Upper
70 100
42 215.7 46.4 69.6#
101 0.0 7.8 11.8#
130 0.0 14.6 21.8#



#20
Nitrobenzene
Concen: 0.04 ng/ul
RT: 8.99 min Scan# 1072
Delta R.T. -0.05 min
Lab File: BM000167.D
Acq: 13 Jan 2015 14:05

Tgt Ion: 77 Resp: 396
Ion Ratio Lower Upper
77 100
123 0.0 29.2 43.8#
65 0.0 12.4 18.6#





#21

Isophorone

Concen: 0.71 ng/ul

RT: 9.70 min Scan# 1193

Delta R.T. 0.14 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

C0AN6

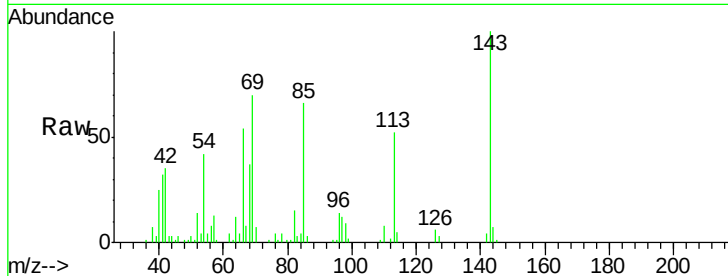
Tgt Ion: 82 Resp: 12937

Ion Ratio Lower Upper

82 100

95 9.5 6.9 10.3

138 0.0 12.1 18.1#

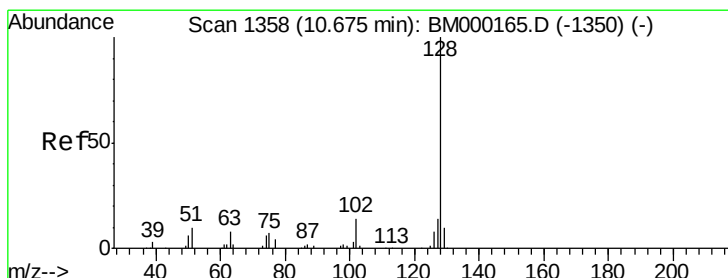
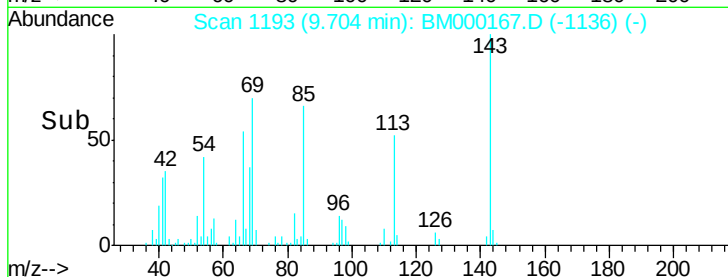


Abundance Ion 82.00 (81.70 to 82.70): BM000165.D (-1159) (-)

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

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

Time-->



#28

Naphthalene

Concen: 0.01 ng/ul

RT: 10.67 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

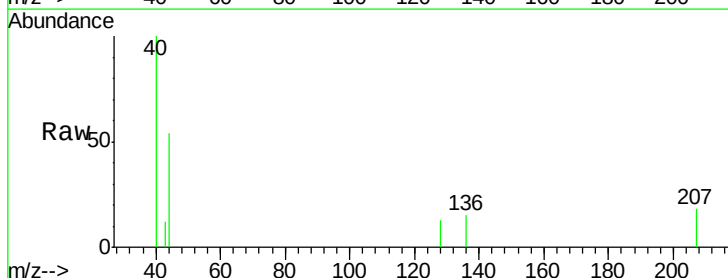
Tgt Ion: 128 Resp: 133

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.3 15.5#

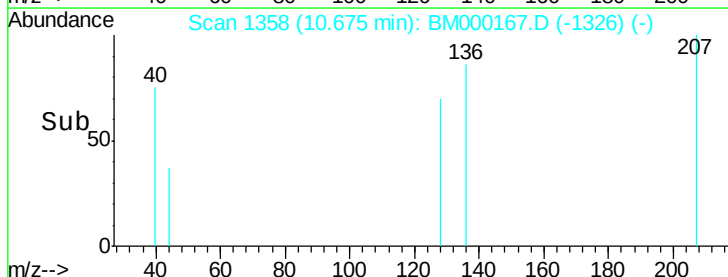


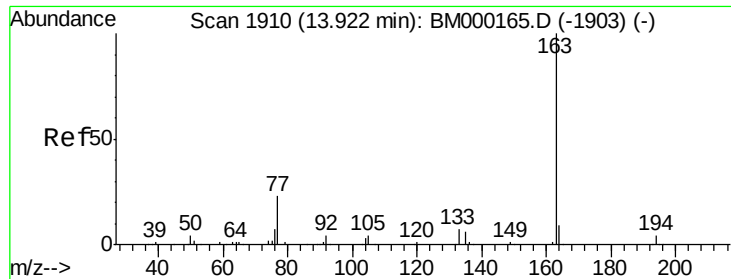
Abundance Ion 128.00 (127.70 to 128.70): BM000165.D (-1350) (-)

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

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

Time-->





#44

Dimethylphthalate

Concen: 0.71 ng/ul

RT: 13.92 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

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ClientSampleId :

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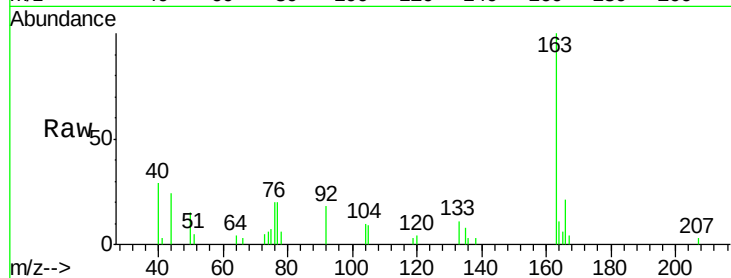
Tgt Ion:163 Resp: 15972

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

164 11.3 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

15000

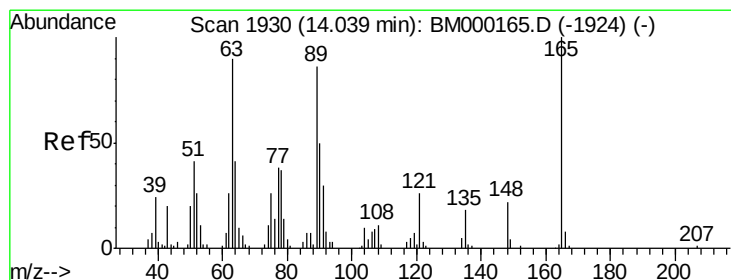
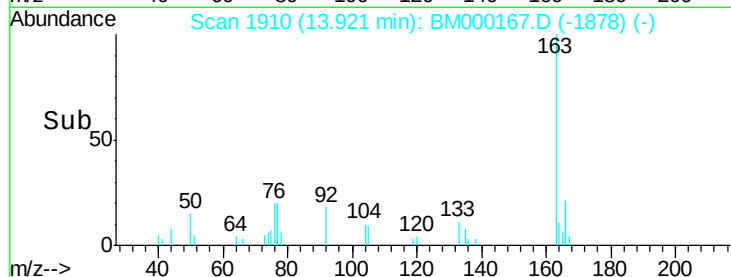
10000

5000

0

13.90 13.92 13.95

Time-->



#45

2,6-Dinitrotoluene

Concen: 1.26 ng/ul

RT: 13.87 min Scan# 1902

Delta R.T. -0.19 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

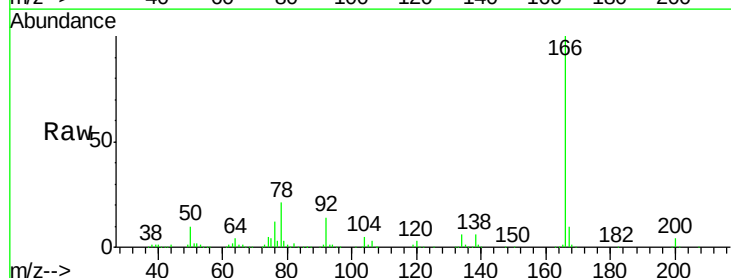
Tgt Ion:165 Resp: 5057

Ion Ratio Lower Upper

165 100

89 0.0 54.4 81.6#

121 55.9 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

3000

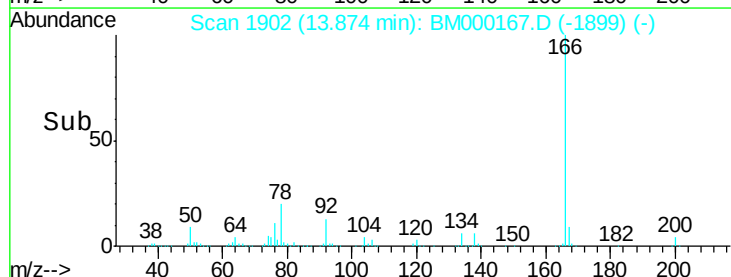
2000

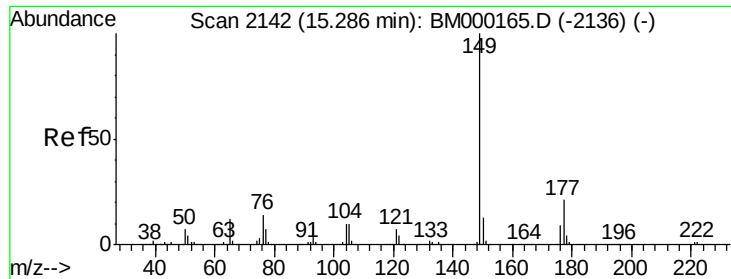
1000

0

13.85 13.87 13.90

Time-->

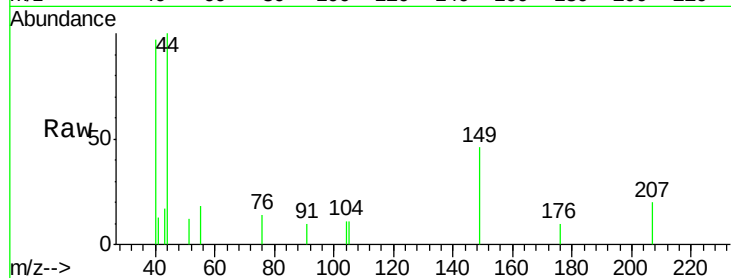




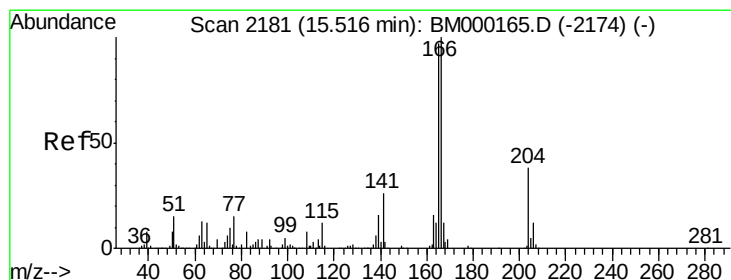
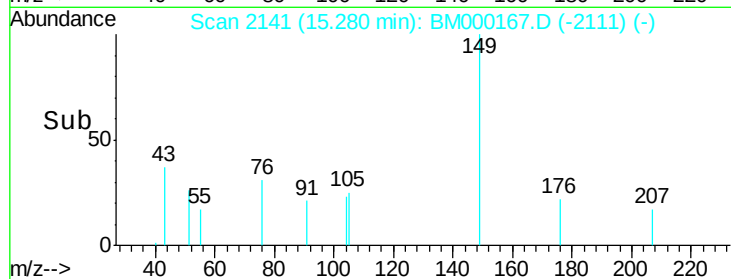
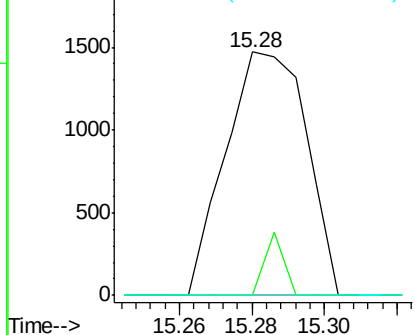
#56
Diethylphthalate
Concen: 0.10 ng/ul
RT: 15.28 min Scan# 2141
Delta R.T. -0.03 min
Lab File: BM000167.D
Acq: 13 Jan 2015 14:05

Instrument :
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Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	17.4	26.2#
150	0.0	10.5	15.7#

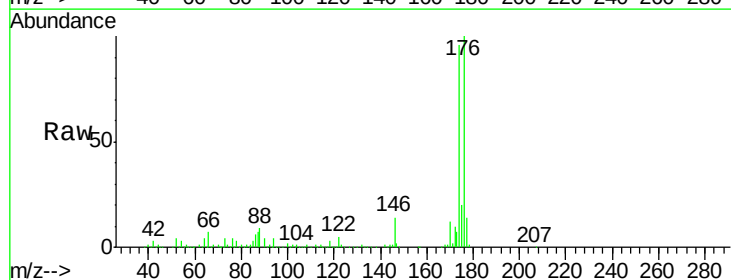


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

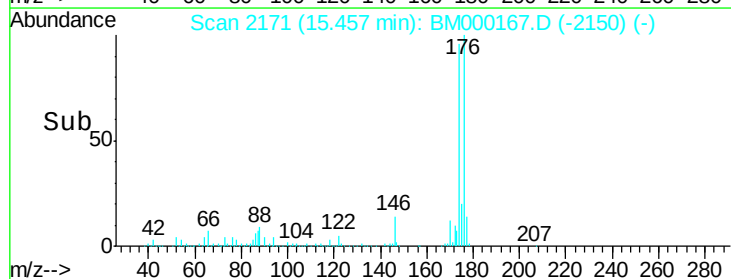
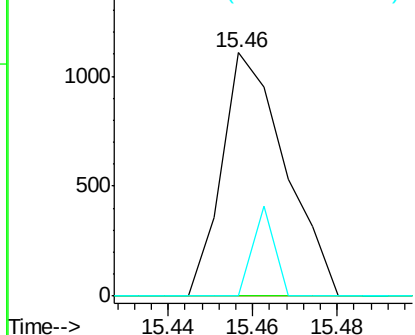


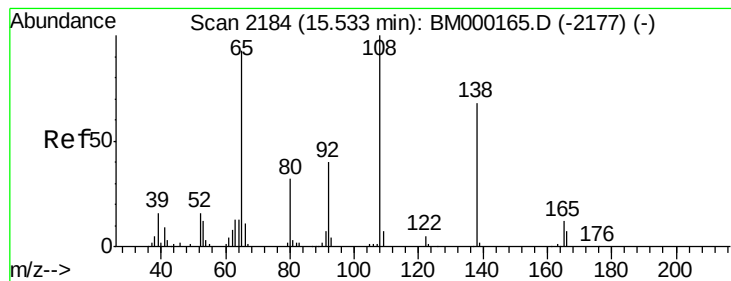
#58
Fluorene
Concen: 0.05 ng/ul
RT: 15.46 min Scan# 2171
Delta R.T. -0.08 min
Lab File: BM000167.D
Acq: 13 Jan 2015 14:05

Tgt 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: 0.09 ng/ul

RT: 15.46 min Scan# 2172

Delta R.T. -0.08 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

C0AN6

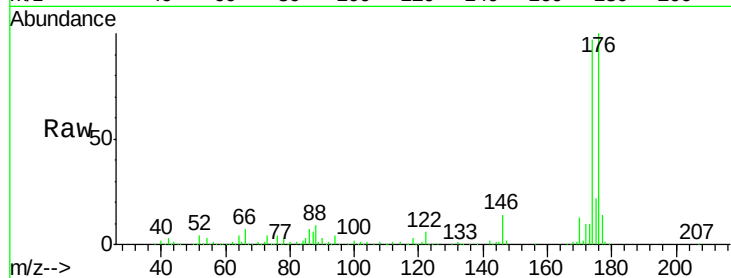
Tgt Ion:138 Resp: 453

Ion Ratio Lower Upper

138 100

92 855.8 49.3 73.9#

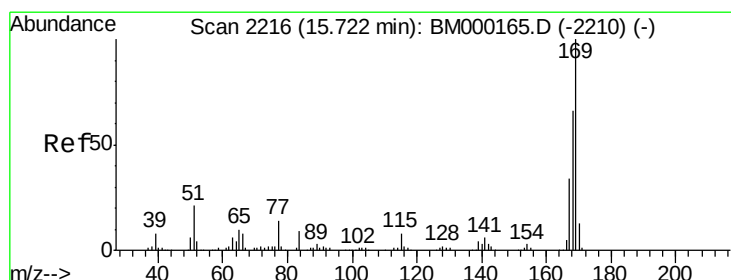
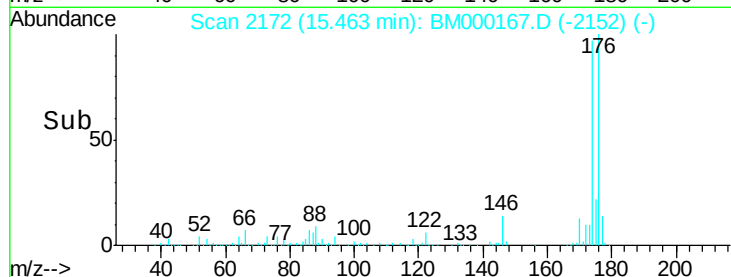
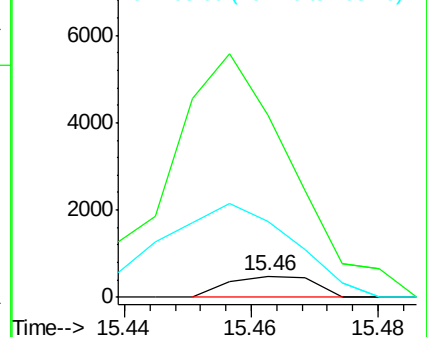
108 354.6 110.3 165.5#



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: 15.58 min Scan# 2192

Delta R.T. -0.16 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

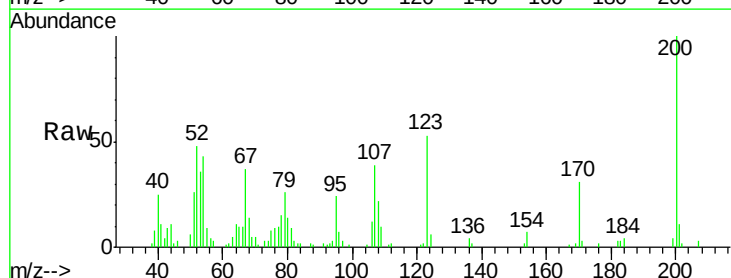
Tgt Ion:169 Resp: 546

Ion Ratio Lower Upper

169 100

168 0.0 51.8 77.6#

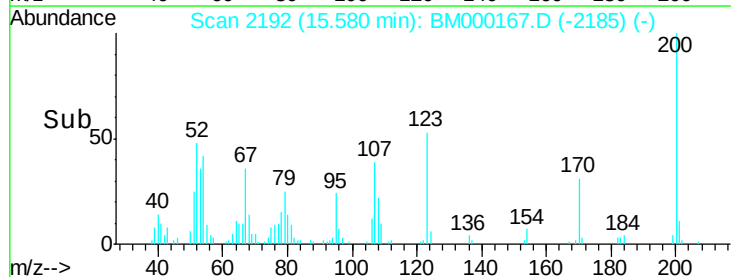
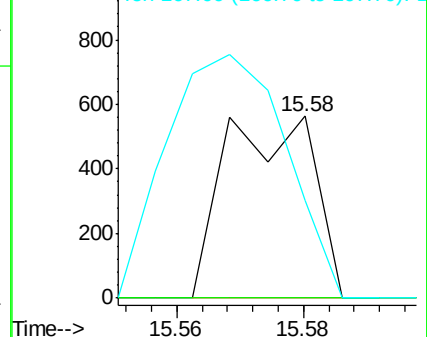
167 53.6 28.1 42.1#

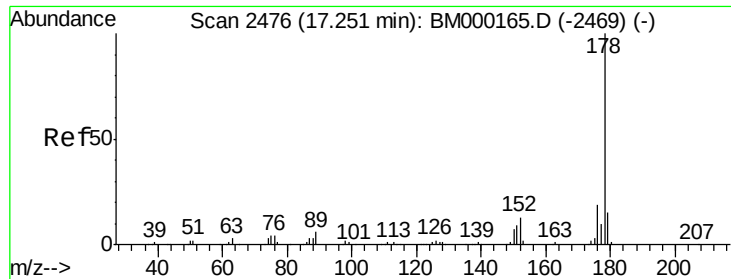


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.25 min Scan# 2476

Delta R.T. -0.02 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

C0AN6

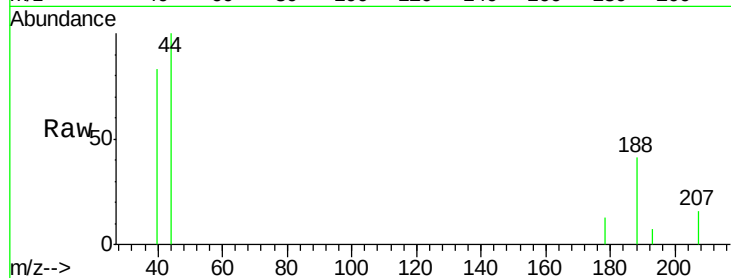
Tgt Ion:178 Resp: 534

Ion Ratio Lower Upper

178 100

179 0.0 11.6 17.4#

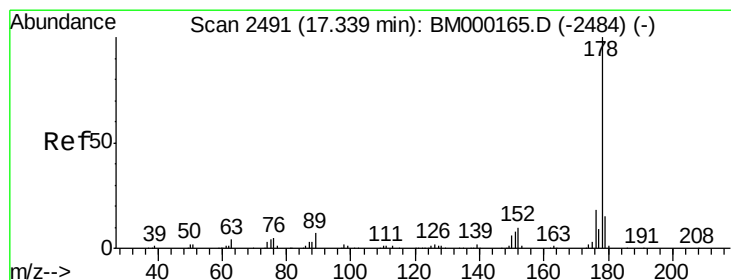
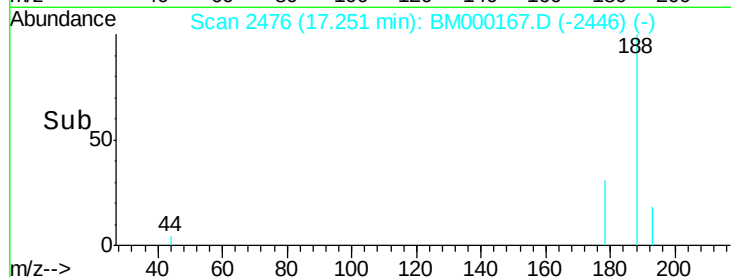
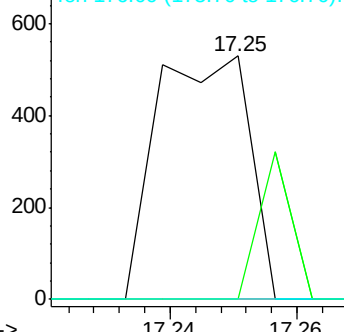
176 0.0 14.6 22.0#



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: BM000167.D

Acq: 13 Jan 2015 14:05

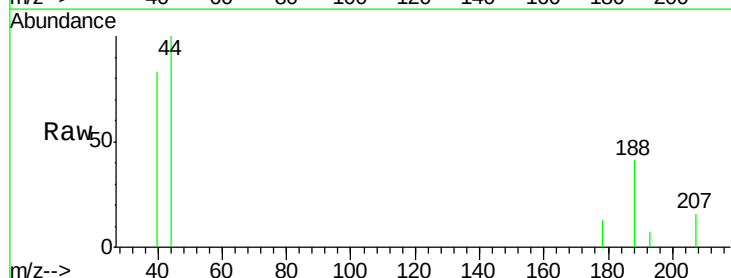
Tgt Ion:178 Resp: 534

Ion Ratio Lower Upper

178 100

179 0.0 12.6 18.8#

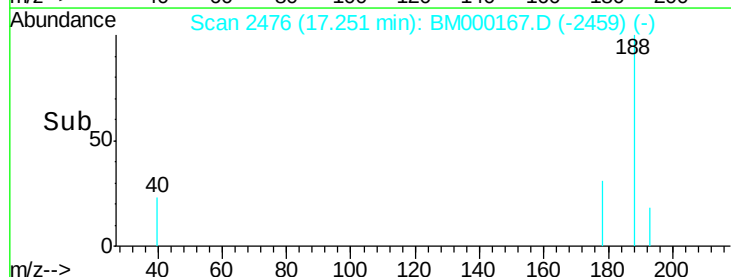
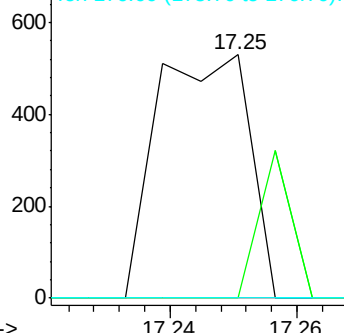
176 0.0 14.6 21.8#

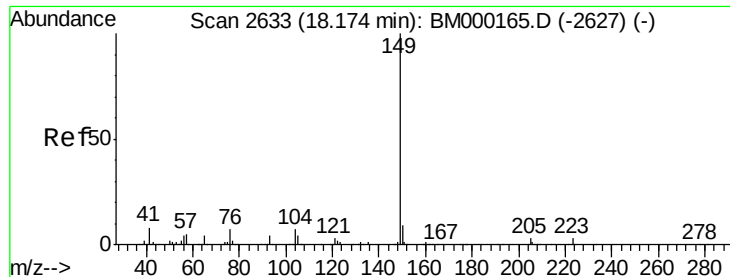


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 0.10 ng/ul

RT: 18.17 min Scan# 2633

Delta R.T. -0.02 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

COAN6

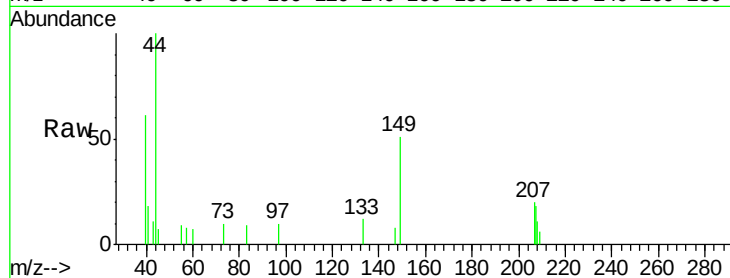
Tgt Ion:149 Resp: 3517

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

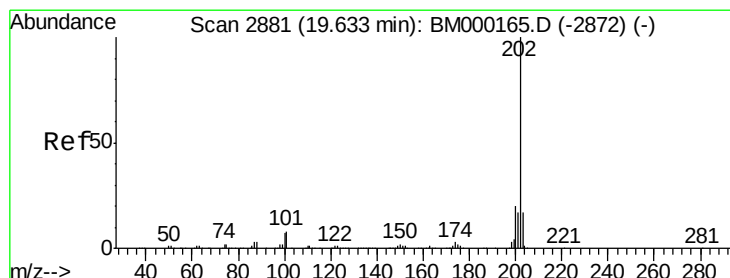
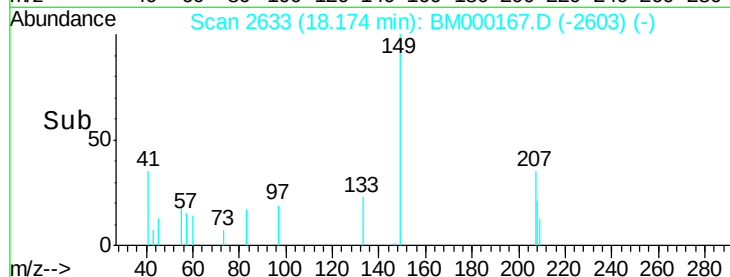
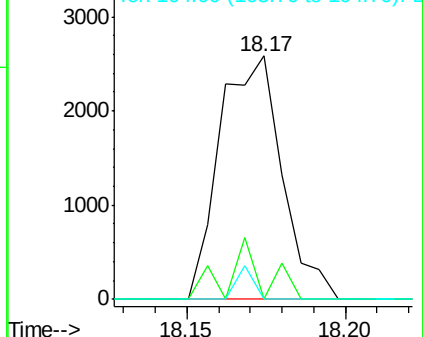
104 0.0 4.8 7.2#



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: 0.01 ng/ul

RT: 19.63 min Scan# 2881

Delta R.T. -0.02 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

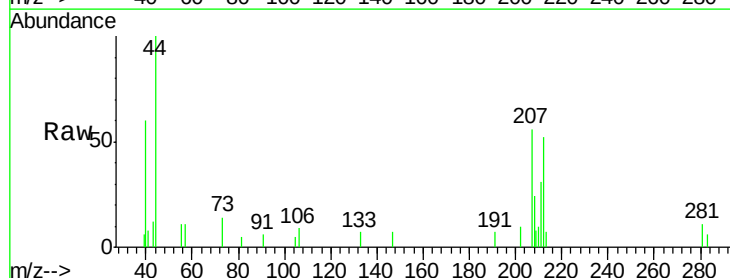
Tgt Ion:202 Resp: 438

Ion Ratio Lower Upper

202 100

101 0.0 6.9 10.3#

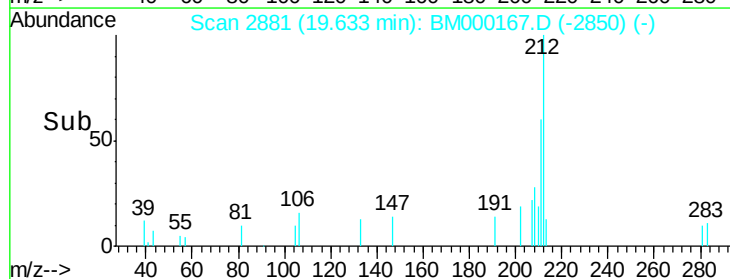
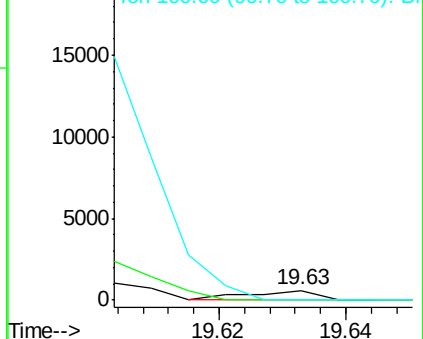
100 0.0 5.5 8.3#

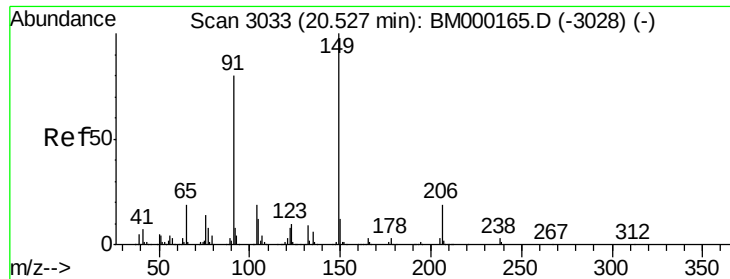


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 0.03 ng/ul

RT: 20.53 min Scan# 3034

Delta R.T. -0.02 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

C0AN6

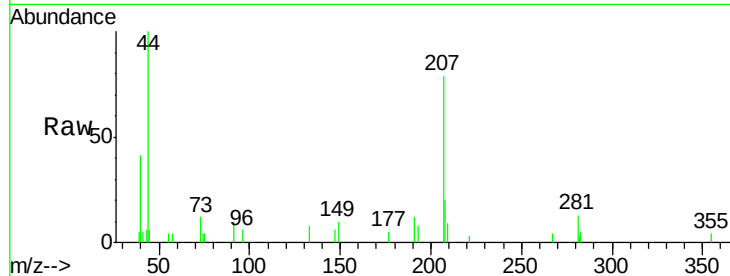
Tgt Ion:149 Resp: 585

Ion Ratio Lower Upper

149 100

91 99.2 56.6 84.8#

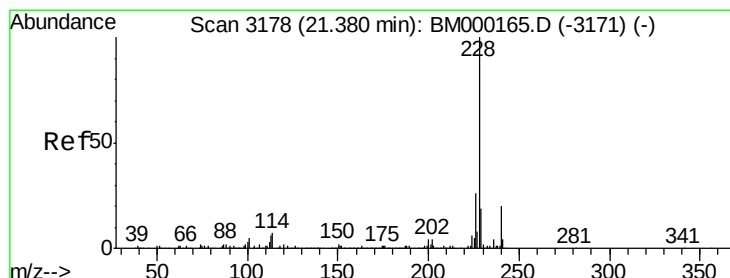
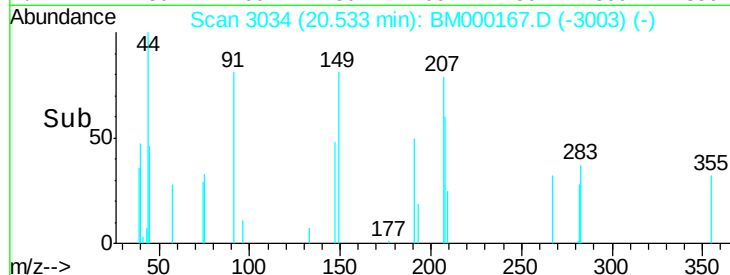
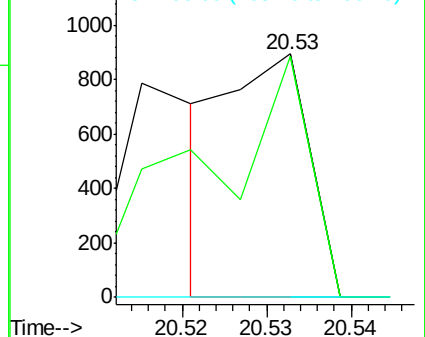
206 0.0 16.8 25.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

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: BM000167.D

Acq: 13 Jan 2015 14:05

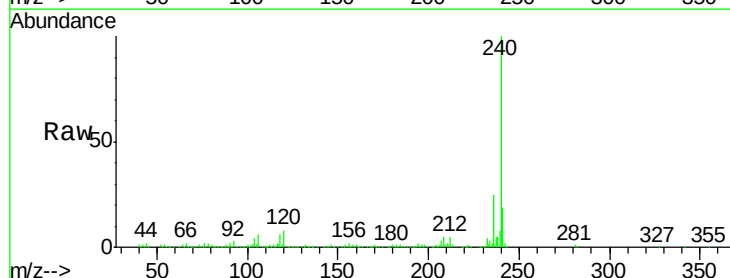
Tgt Ion:228 Resp: 2034

Ion Ratio Lower Upper

228 100

229 48.0 15.8 23.8#

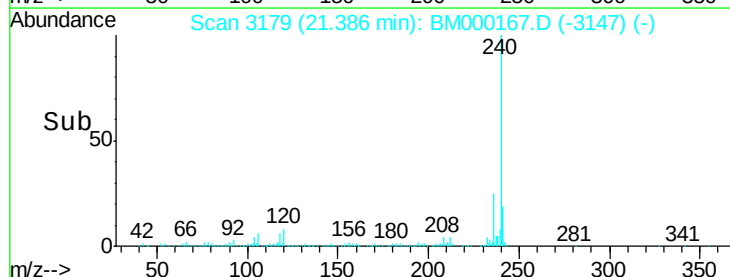
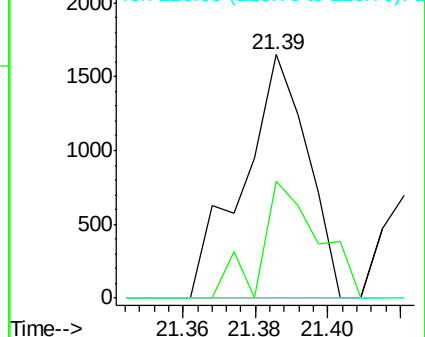
226 0.0 20.7 31.1#

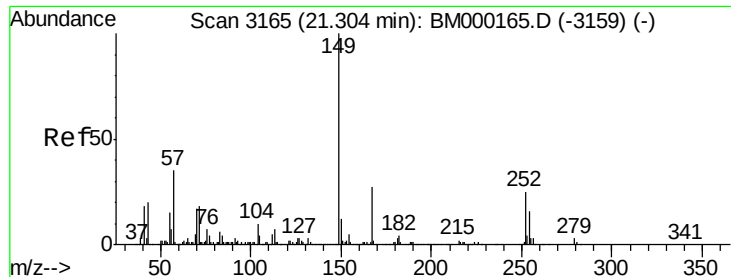


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

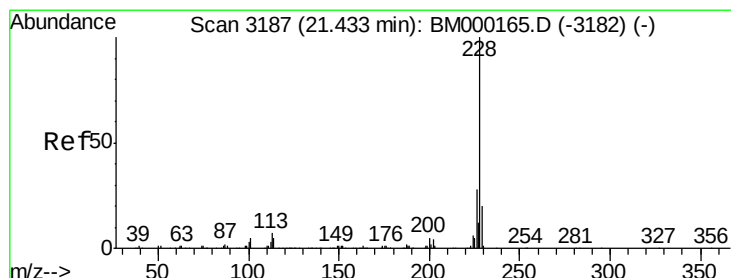
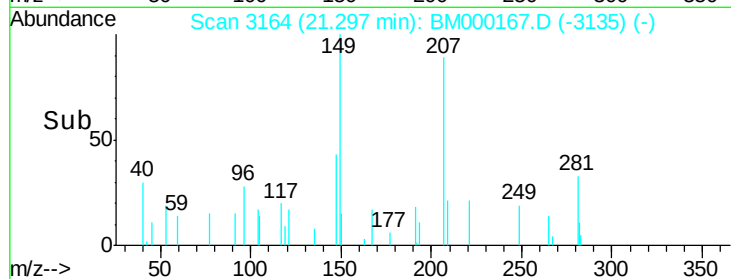
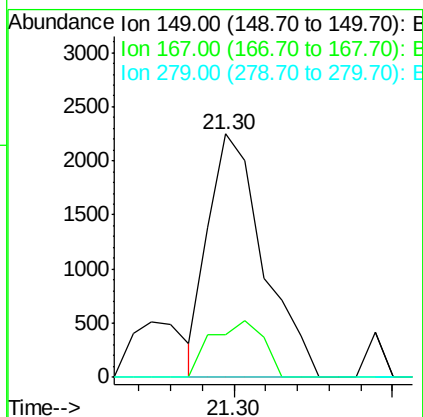
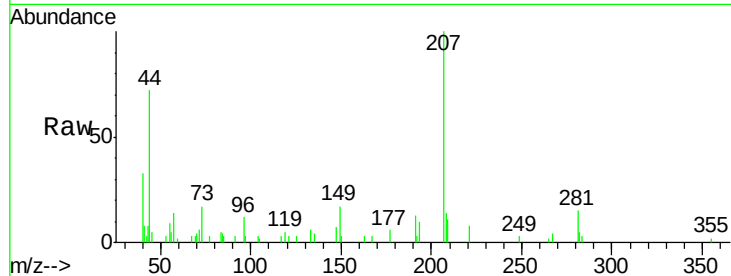




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.11 ng/ul
 RT: 21.30 min Scan# 3164
 Delta R.T. -0.03 min
 Lab File: BM000167.D
 Acq: 13 Jan 2015 14:05

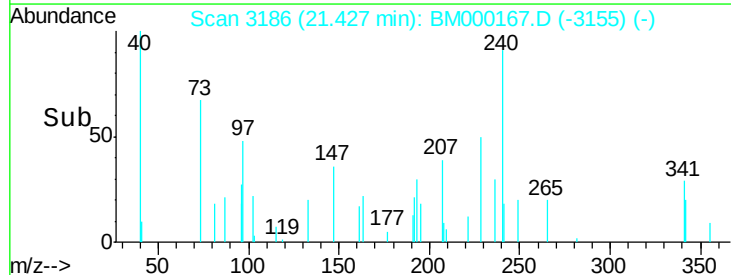
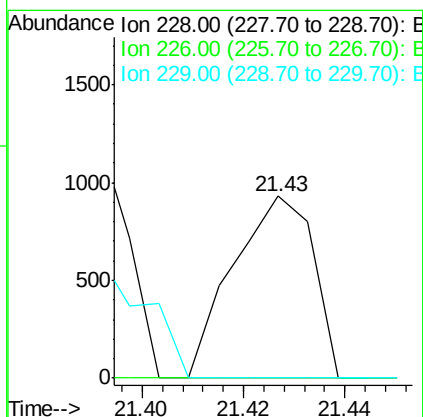
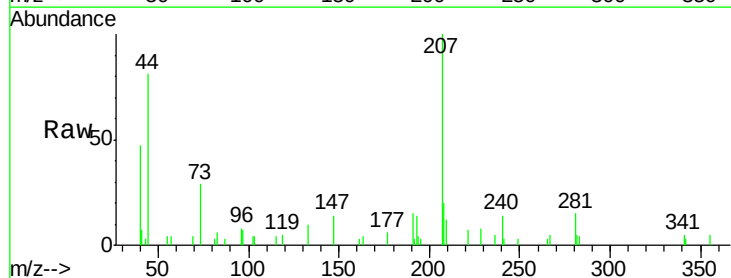
Instrument :
 BNA_M
 ClientSampleId :
 C0AN6

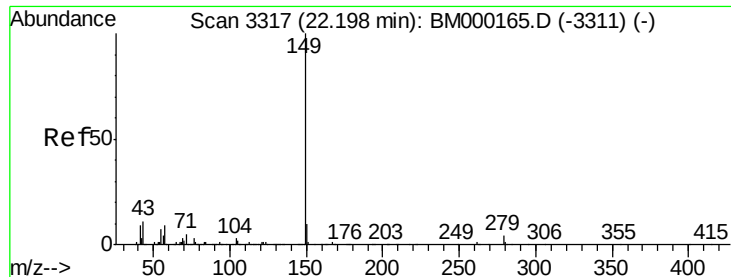
Tgt Ion:149 Resp: 2703
 Ion Ratio Lower Upper
 149 100
 167 17.4 22.1 33.1#
 279 0.0 3.0 4.6#



#82
 Chrysene
 Concen: 0.03 ng/ul
 RT: 21.43 min Scan# 3186
 Delta R.T. -0.02 min
 Lab File: BM000167.D
 Acq: 13 Jan 2015 14:05

Tgt Ion:228 Resp: 1022
 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: 0.01 ng/ul

RT: 22.19 min Scan# 3316

Delta R.T. -0.04 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

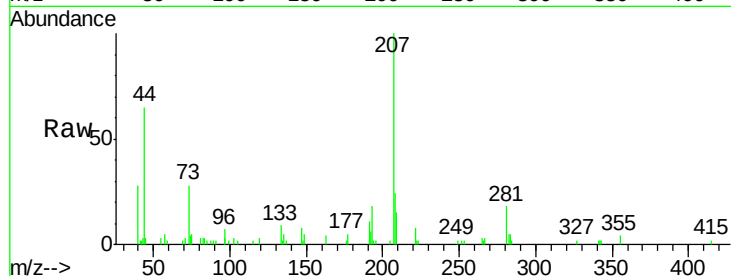
Instrument :

BNA_M

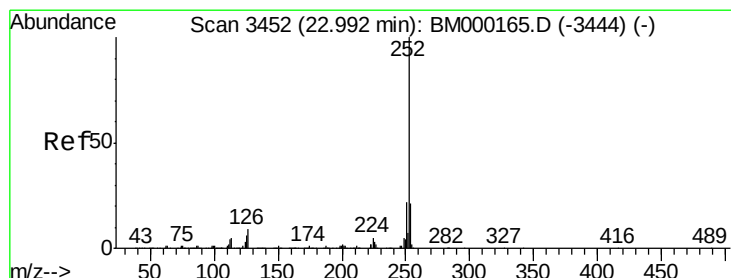
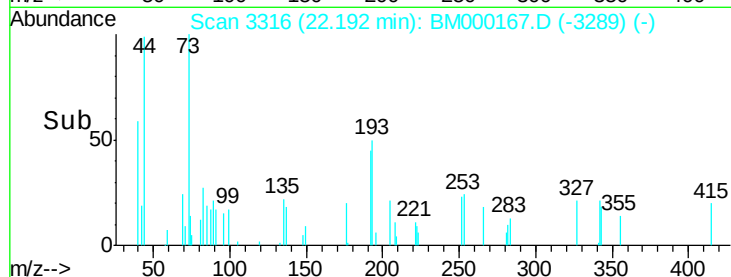
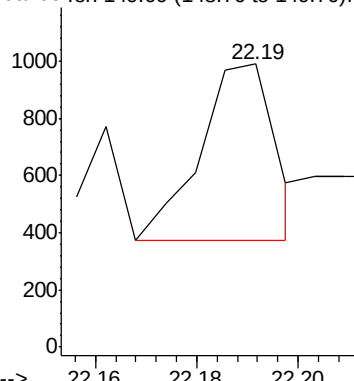
ClientSampleId :

COAN6

Tgt Ion:149 Resp: 629



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.99 min Scan# 3451

Delta R.T. -0.03 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

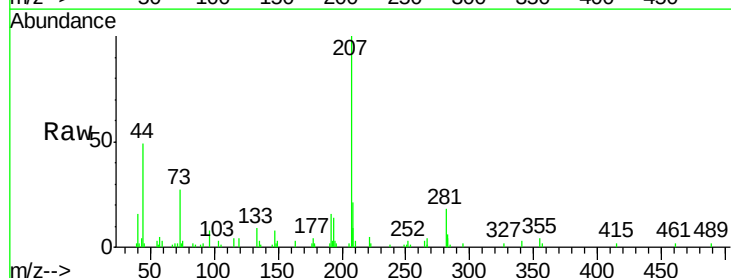
Tgt Ion:252 Resp: 1235

Ion Ratio Lower Upper

252 100

253 42.3 17.1 25.7#

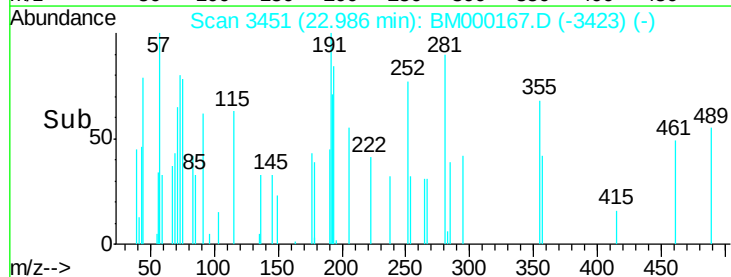
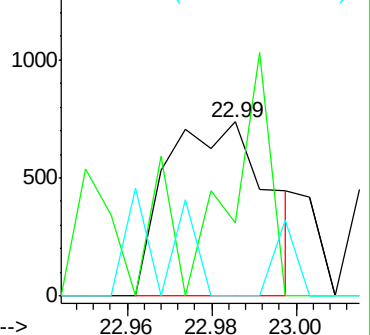
125 0.0 4.8 7.2#

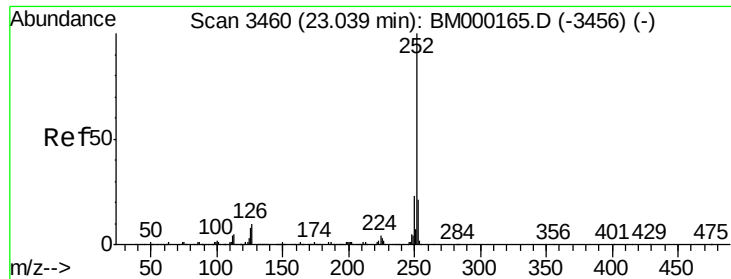


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.03 min Scan# 3459

Delta R.T. -0.03 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

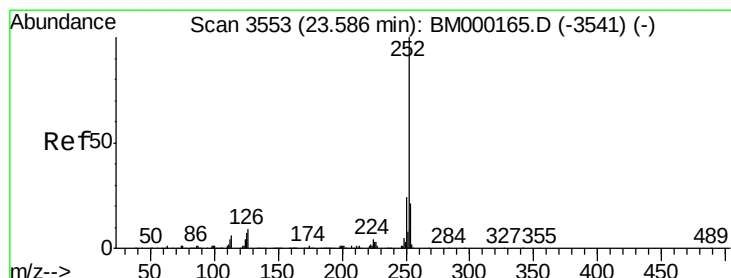
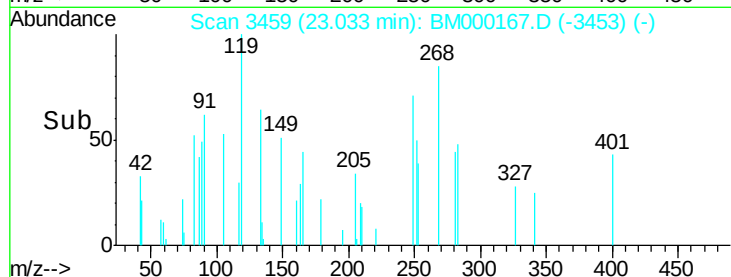
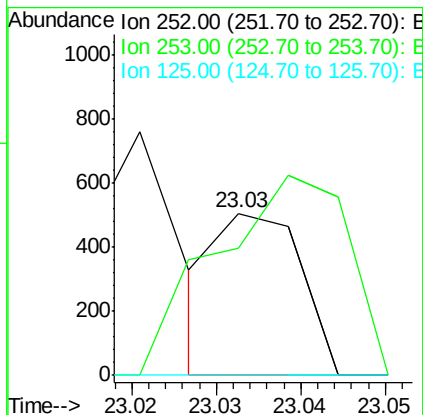
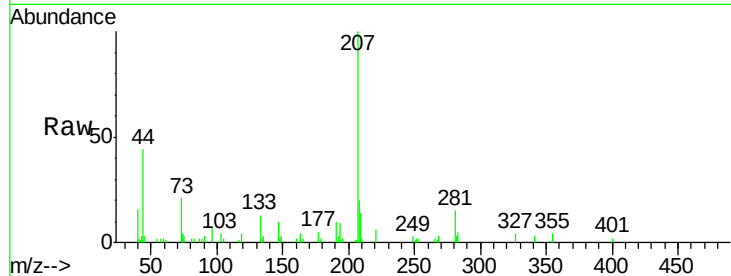
Instrument :

BNA_M

ClientSampleId :

C0AN6

Tgt Ion:	252	Resp:	343
Ion	Ratio	Lower	Upper
252	100		
253	78.1	17.2	25.8#
125	0.0	4.9	7.3#



#88

Benzo(a)pyrene

Concen: 0.01 ng/ul

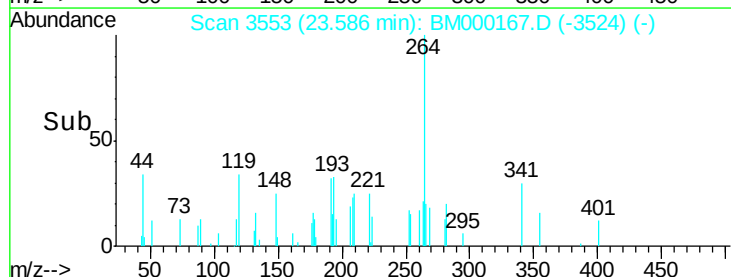
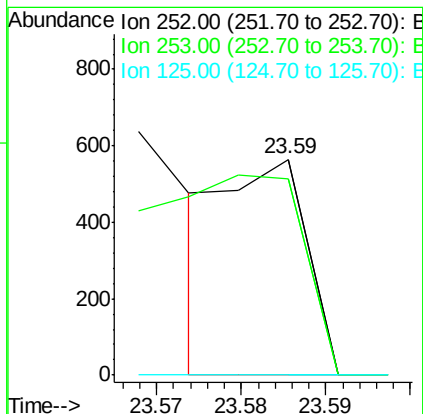
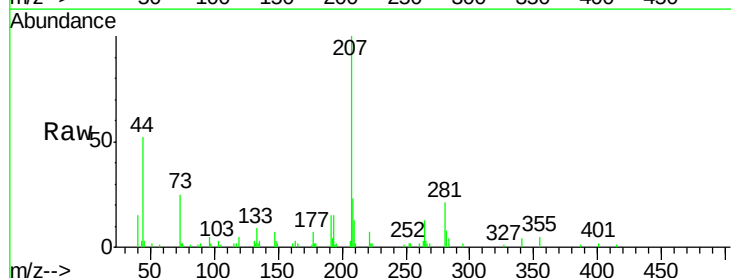
RT: 23.59 min Scan# 3553

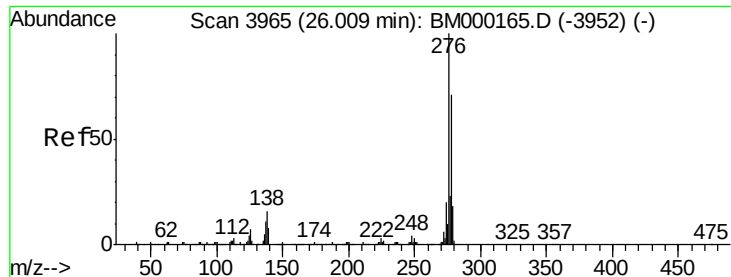
Delta R.T. -0.03 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Tgt Ion:	252	Resp:	370
Ion	Ratio	Lower	Upper
252	100		
253	90.8	17.0	25.6#
125	0.0	5.8	8.6#





#89

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 26.02 min Scan# 3967

Delta R.T. -0.03 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

C0AN6

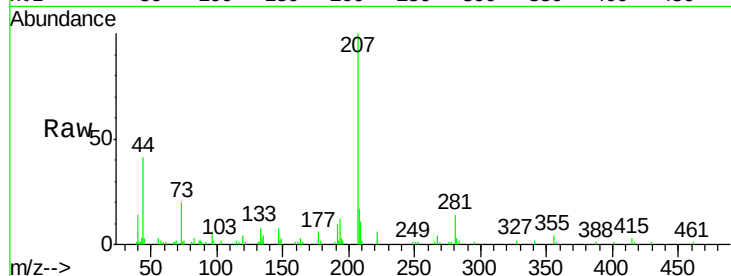
Tgt Ion:276 Resp: 159

Ion Ratio Lower Upper

276 100

138 0.0 14.2 21.2#

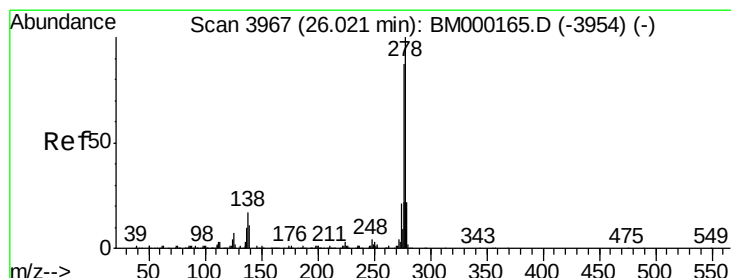
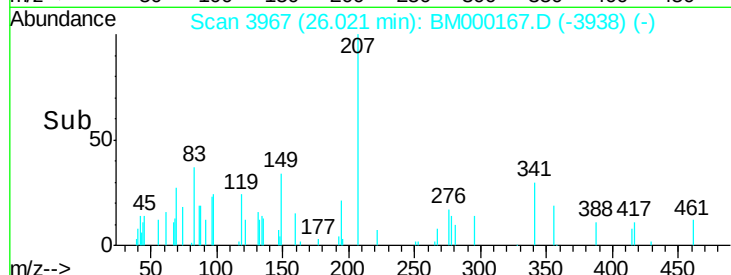
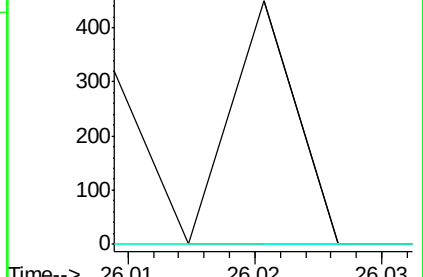
277 0.0 18.8 28.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 26.03 min Scan# 3968

Delta R.T. -0.03 min

Lab File: BM000167.D

Acq: 13 Jan 2015 14:05

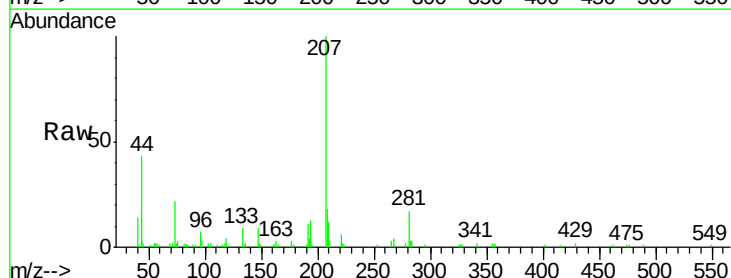
Tgt Ion:278 Resp: 334

Ion Ratio Lower Upper

278 100

139 0.0 10.2 15.2#

279 0.0 19.2 28.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

