

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022015\
 Data File : BM000571.D
 Acq On : 20 Feb 2015 22:38
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SOIL-3PPM-SOM0
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

Quant Time: Feb 21 03:36:02 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-MA-BM022015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 21 03:20:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	95653	20.00	ng/ul	0.00
16) Naphthalene-d8	10.46	136	406740	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.32	164	254130	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.07	188	532470	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	476974	20.00	ng/ul	0.00
83) Perylene-d12	23.47	264	388168	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.85	99	224681	32.27	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.01	67	146630	35.63	ng/ul	0.00
7) 2-Chlorophenol-d4	7.20	132	200362	33.82	ng/ul	0.00
11) 4-Methylphenol-d8	8.38	113	195649	33.14	ng/ul	0.00
17) Nitrobenzene-d5	8.83	128	95248	34.90	ng/ul	0.00
20) 2-Nitrophenol-d4	9.55	143	112094	35.47	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.08	165	205177	30.65	ng/ul	0.00
27) 4-Chloroaniline-d4	10.60	131	287959	48.22	ng/ul	0.00
41) Dimethylphthalate-d6	13.74	166	663485	36.07	ng/ul	0.00
44) Acenaphthylene-d8	14.02	160	859147	34.86	ng/ul	0.00
49) 4-Nitrophenol-d4	14.53	143	88306	30.02	ng/ul	0.00
55) Fluorene-d10	15.32	176	615533	34.24	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.44	200	84462	27.29	ng/ul	0.00
68) Anthracene-d10	17.16	188	896993	35.62	ng/ul	0.00
76) Pyrene-d10	19.47	212	908067	32.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	651491	35.80	ng/ul	0.00

Target Compounds

						Qvalue
6) Bis(2-Chloroethyl)ether	7.10	93	535	0.10	ng/ul#	62
10) 2,2'-oxybis(1-Chloropropan	8.37	45	1114	0.10	ng/ul#	75
13) N-Nitroso-di-n-propylamine	8.38	70	5126	1.13	ng/ul#	1
18) Nitrobenzene	8.83	77	656	0.09	ng/ul#	40
19) Isophorone	9.55	82	12762	1.05	ng/ul#	71
42) Dimethylphthalate	13.74	163	428	0.02	ng/ul#	1
43) 2,6-Dinitrotoluene	13.74	165	5628	1.57	ng/ul#	40
50) 4-Nitrophenol	14.64	109	1478	0.47	ng/ul#	1
56) Fluorene	15.32	166	1239	0.06	ng/ul#	10
62) N-Nitrosodiphenylamine	15.44	169	286	0.02	ng/ul#	12
70) 1,2,3,4-Tetrachlorobenzene	13.12	216	21066	2.67	ng/uL	99
71) Pentachlorobenzene	14.64	250	39785	5.27	ng/uL	98
73) Di-n-butylphthalate	18.04	149	519	0.02	ng/ul#	78
77) Pyrene	19.47	202	1308	0.04	ng/ul#	1
78) Butylbenzylphthalate	20.42	149	107	0.01	ng/ul#	25
80) Benzo(a)anthracene	21.26	228	946	0.03	ng/ul#	47
81) Bis(2-ethylhexyl)phthalate	21.17	149	1218	0.08	ng/ul#	50
82) Chrysene	21.26	228	946	0.04	ng/ul#	45
84) Di-n-octyl phthalate	22.04	149	198	0.01	ng/ul	100
85) Benzo(b)fluoranthene	22.74	252	256	0.01	ng/ul#	1
86) Benzo(k)fluoranthene	23.02	252	109	0.00	ng/ul#	61
88) Benzo(a)pyrene	23.33	252	2196	0.10	ng/ul#	44

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 21 03:20:44 2015
Response via : Initial Calibration

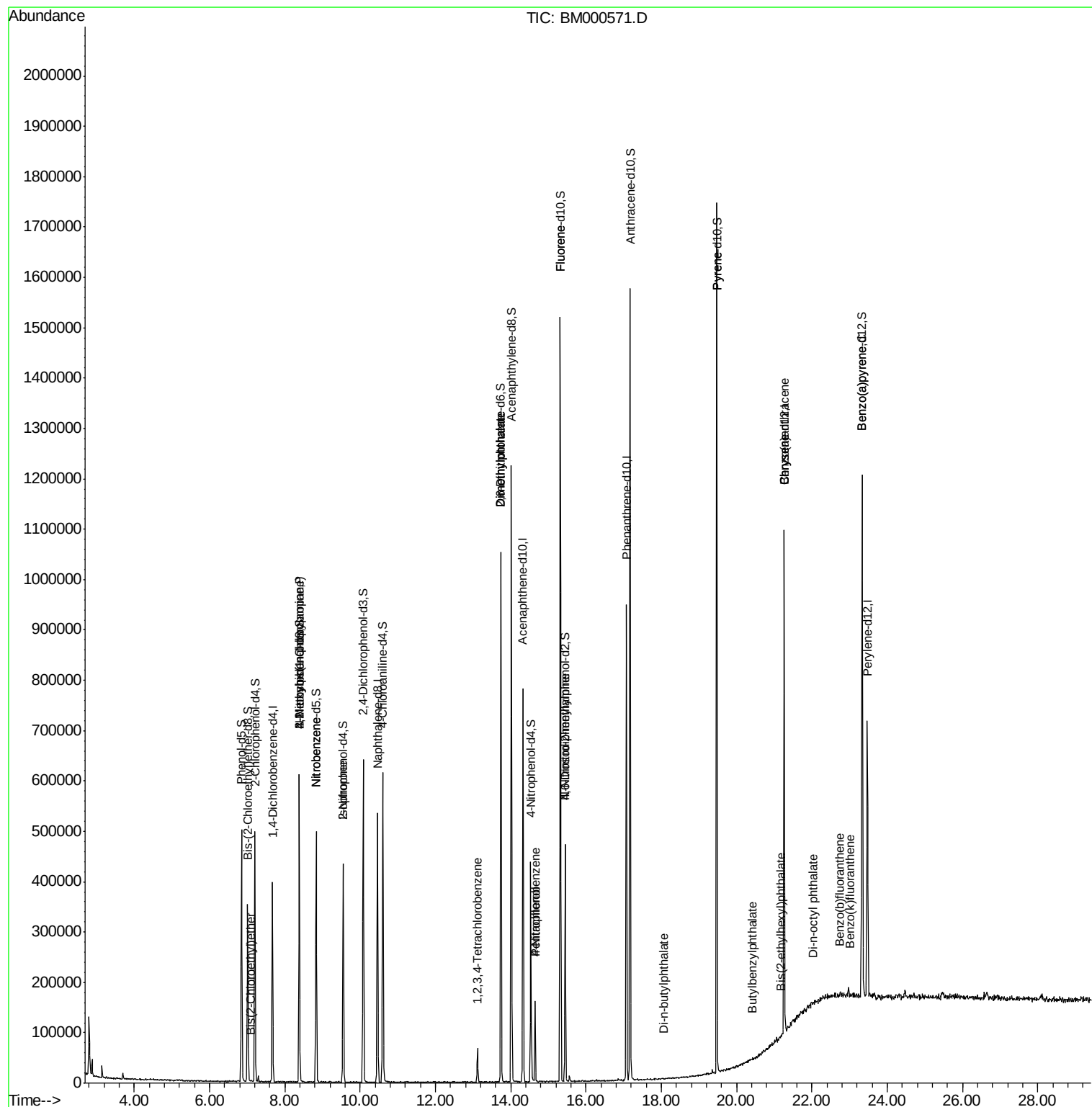
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

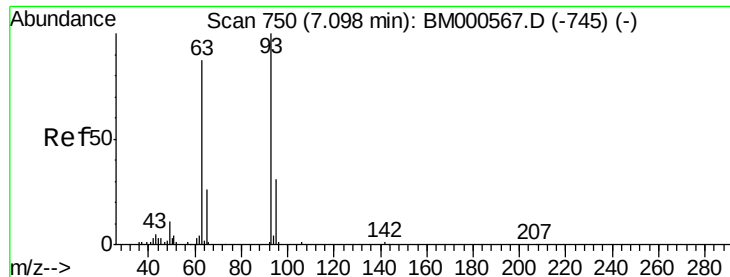
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#6

Bis(2-Chloroethyl)ether

Concen: 0.10 ng/ul

RT: 7.10 min Scan# 750

Delta R.T. -0.00 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

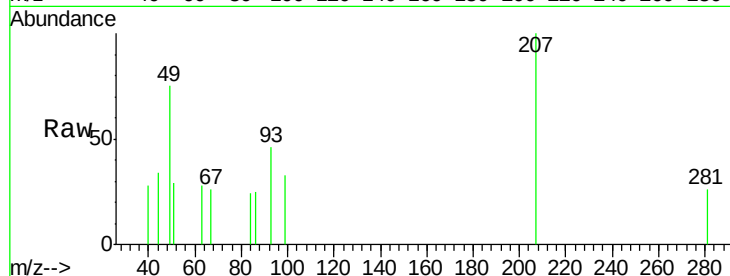
Tgt Ion: 93 Resp: 535

Ion Ratio Lower Upper

93 100

63 60.7 71.2 106.8#

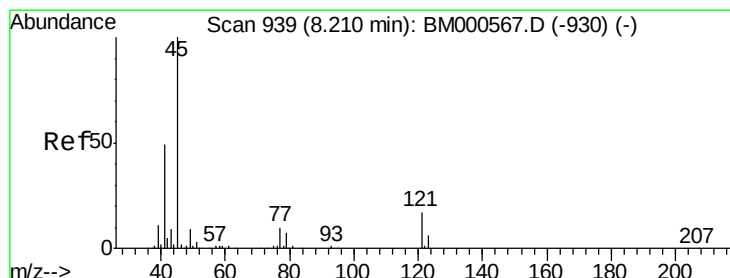
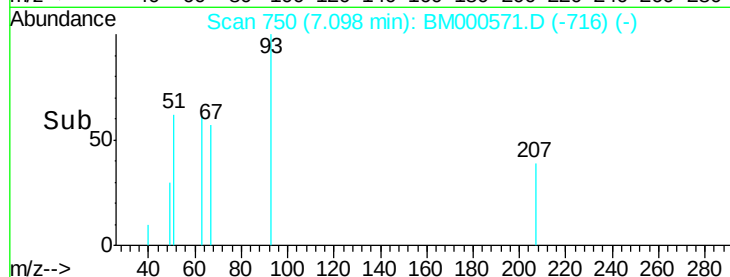
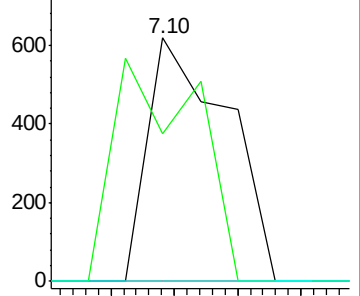
95 0.0 26.1 39.1#



Abundance Ion 93.00 (92.70 to 93.70): BM000571.D (-716) (-)

Ion 63.00 (62.70 to 63.70): BM000571.D (-716) (-)

Ion 95.00 (94.70 to 95.70): BM000571.D (-716) (-)



#10

2,2'-oxybis(1-Chloropropane)

Concen: 0.10 ng/ul

RT: 8.37 min Scan# 967

Delta R.T. 0.16 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

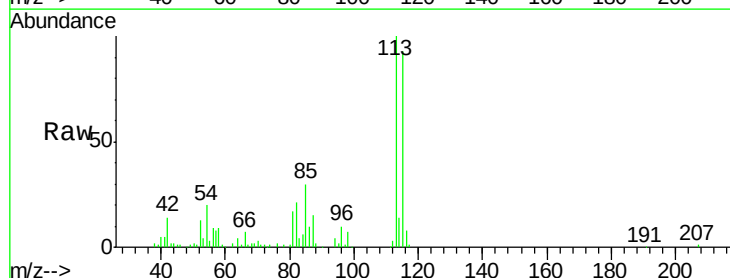
Tgt Ion: 45 Resp: 1114

Ion Ratio Lower Upper

45 100

77 0.0 8.2 12.2#

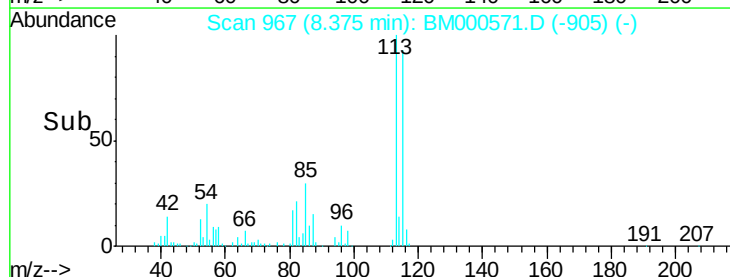
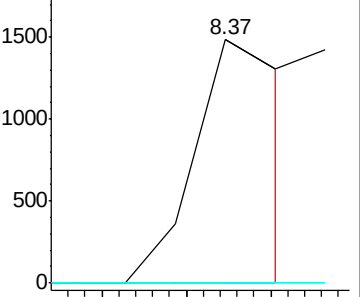
79 0.0 5.8 8.6#

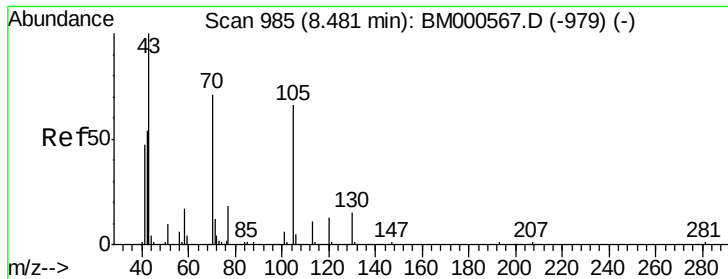


Abundance Ion 45.00 (44.70 to 45.70): BM000571.D (-905) (-)

Ion 77.00 (76.70 to 77.70): BM000571.D (-905) (-)

Ion 79.00 (78.70 to 79.70): BM000571.D (-905) (-)

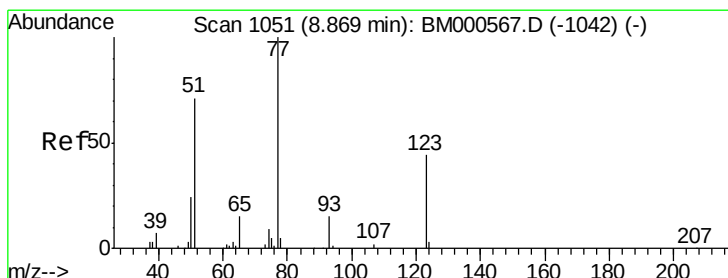
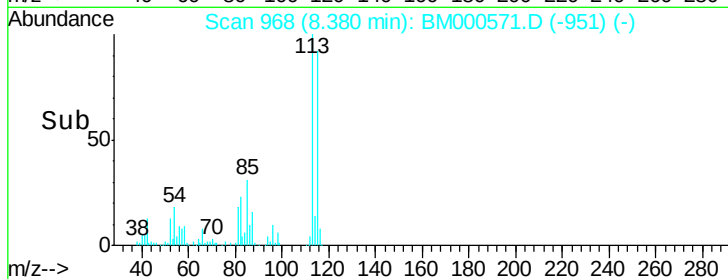
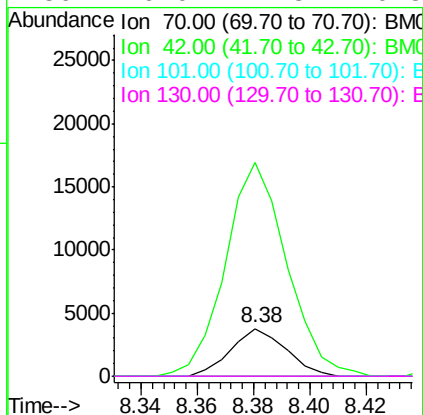
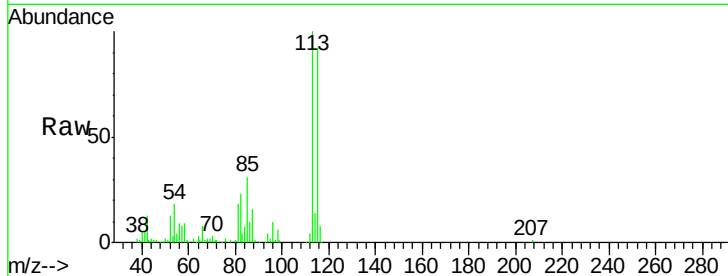




#13
N-Nitroso-di-n-propylamine
Concen: 1.13 ng/ul
RT: 8.38 min Scan# 968
Delta R.T. -0.10 min
Lab File: BM000571.D
Acq: 20 Feb 2015 22:38

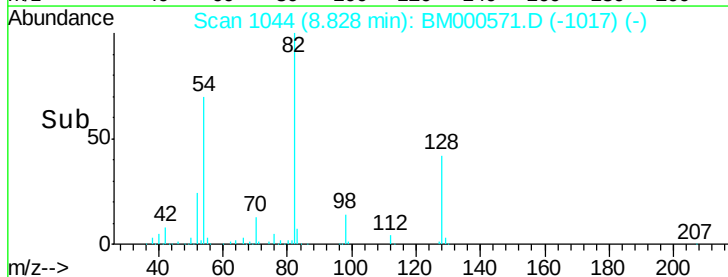
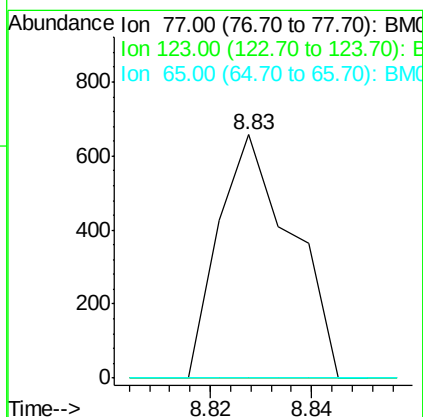
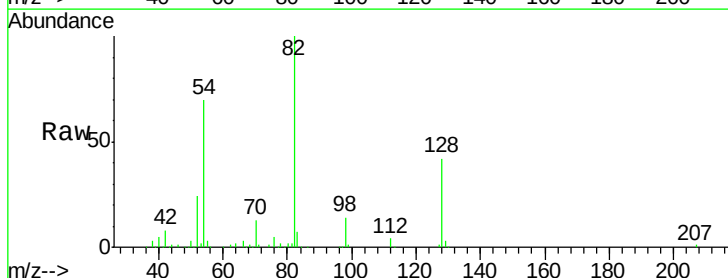
Instrument :
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MDL-03-S

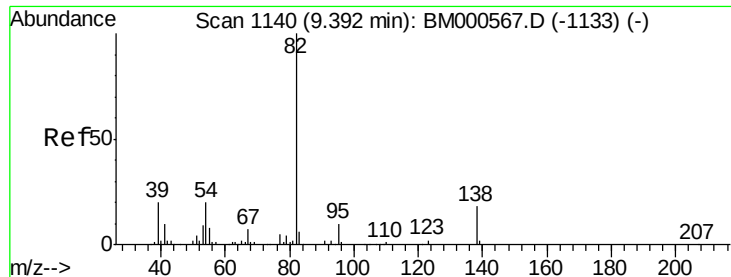
Tgt Ion:	70	Resp:	5126
Ion	Ratio	Lower	Upper
70	100		
42	449.4	63.3	94.9#
101	0.0	8.2	12.4#
130	0.0	17.8	26.8#



#18
Nitrobenzene
Concen: 0.09 ng/ul
RT: 8.83 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BM000571.D
Acq: 20 Feb 2015 22:38

Tgt Ion:	77	Resp:	656
Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.7	53.5#
65	0.0	12.3	18.5#





#19

Isophorone

Concen: 1.05 ng/ul

RT: 9.55 min Scan# 1166

Delta R.T. 0.15 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

Instrument :

BNA_M

ClientSampled :

MDL-03-S

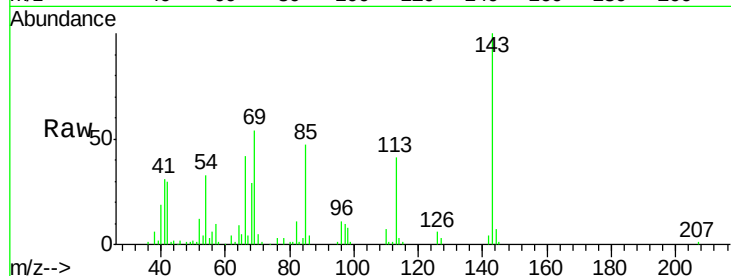
Tgt Ion: 82 Resp: 12762

Ion Ratio Lower Upper

82 100

95 9.5 7.0 10.4

138 0.0 15.1 22.7#

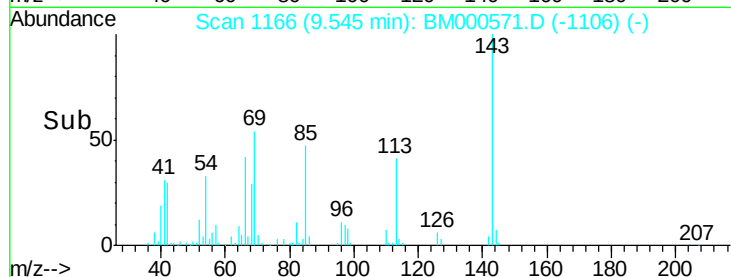


Abundance Ion 82.00 (81.70 to 82.70): BM000567.D (-1133) (-)

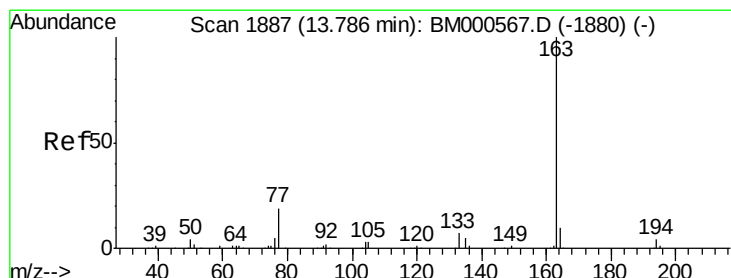
Ion 95.00 (94.70 to 95.70): BM000567.D (-1133) (-)

Ion 138.00 (137.70 to 138.70): BM000567.D (-1133) (-)

Time-->



Time-->



#42

Dimethylphthalate

Concen: 0.02 ng/ul

RT: 13.74 min Scan# 1879

Delta R.T. -0.05 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

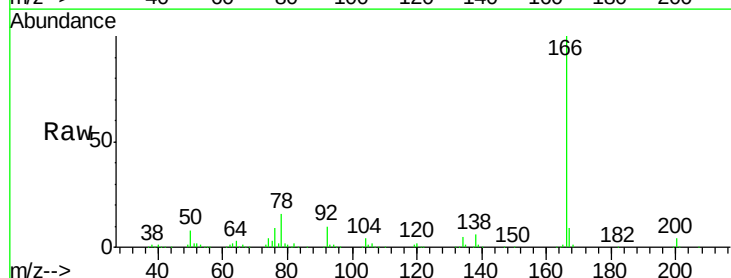
Tgt Ion: 163 Resp: 428

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 193.4 7.9 11.9#

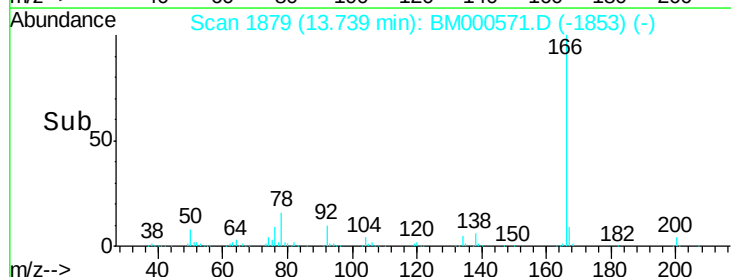


Abundance Ion 163.00 (162.70 to 163.70): BM000567.D (-1880) (-)

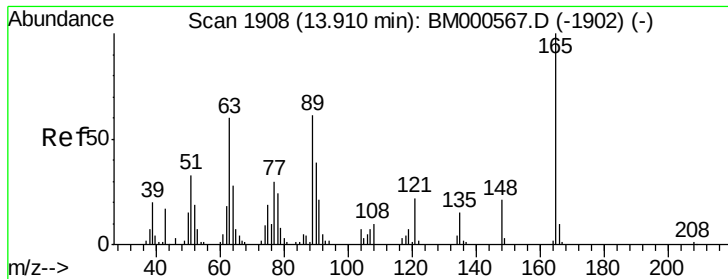
Ion 194.00 (193.70 to 194.70): BM000567.D (-1880) (-)

Ion 164.00 (163.70 to 164.70): BM000567.D (-1880) (-)

Time-->



Time-->



#43

2,6-Dinitrotoluene

Concen: 1.57 ng/ul

RT: 13.74 min Scan# 1879

Delta R.T. -0.17 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

Instrument :

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ClientSampleId :

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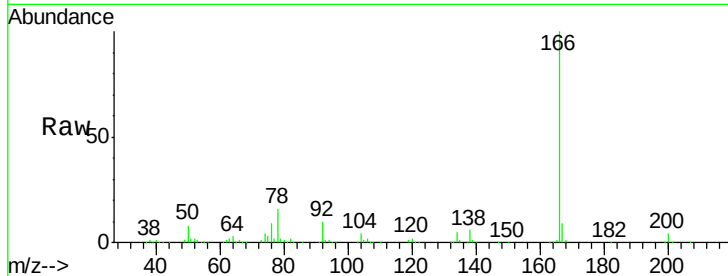
Tgt Ion:165 Resp: 5628

Ion Ratio Lower Upper

165 100

89 0.0 47.8 71.8#

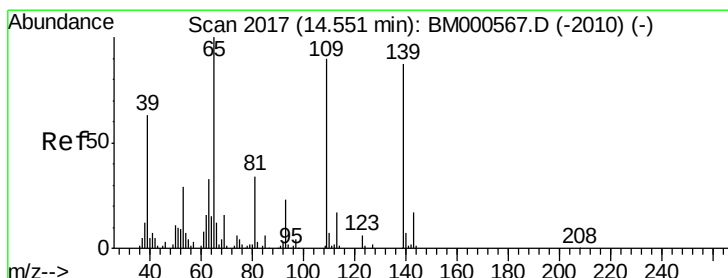
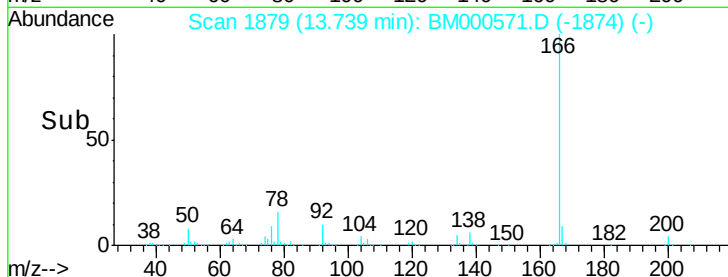
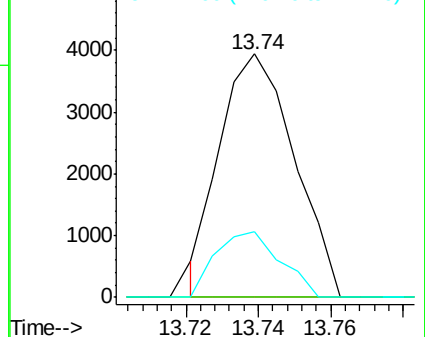
121 27.0 18.1 27.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E



#50

4-Nitrophenol

Concen: 0.47 ng/ul

RT: 14.64 min Scan# 2033

Delta R.T. 0.09 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

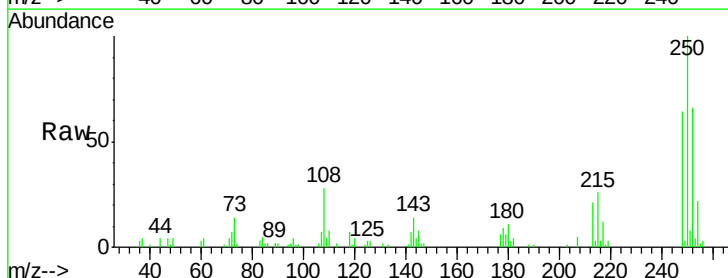
Tgt Ion:109 Resp: 1478

Ion Ratio Lower Upper

109 100

139 0.0 78.2 117.4#

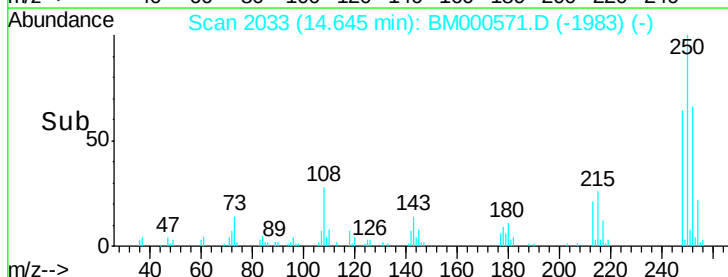
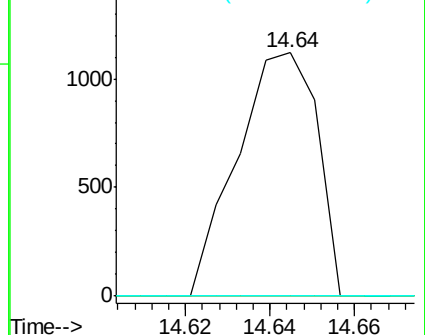
65 0.0 93.7 140.5#

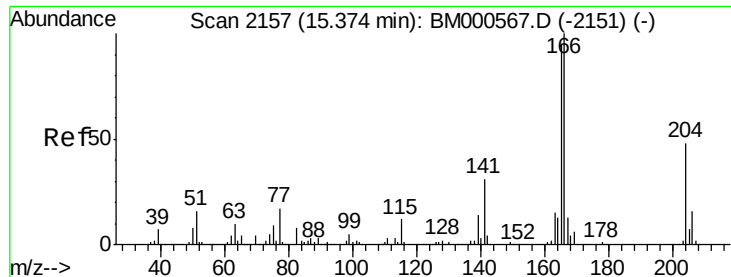


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

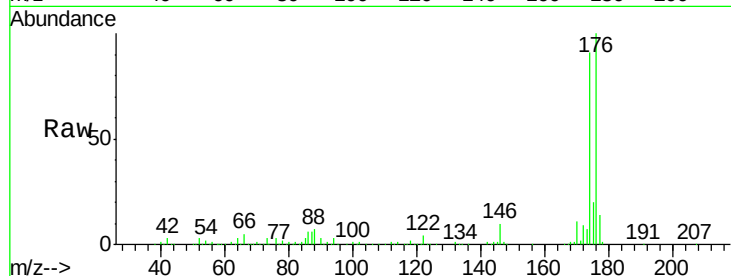




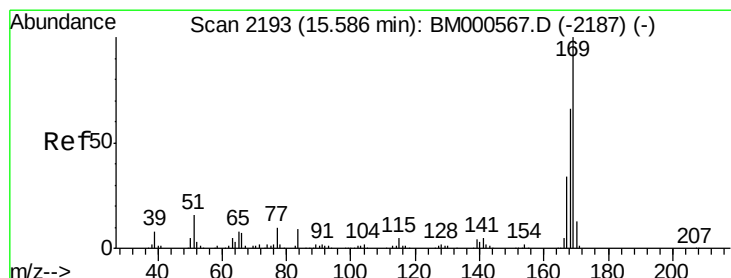
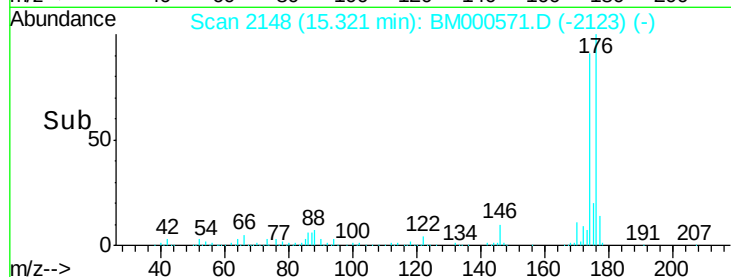
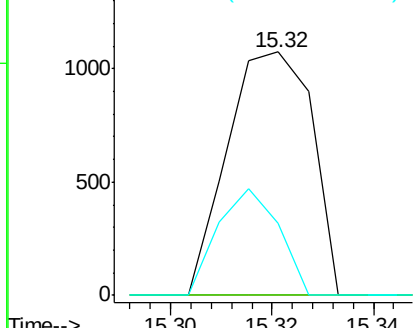
#56
 Fluorene
 Concen: 0.06 ng/ul
 RT: 15.32 min Scan# 2148
 Delta R.T. -0.05 min
 Lab File: BM000571.D
 Acq: 20 Feb 2015 22:38

Instrument :
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 MDL-03-S

Tgt Ion:166 Resp: 1239
 Ion Ratio Lower Upper
 166 100
 165 0.0 74.4 111.6#
 167 29.9 10.2 15.4#

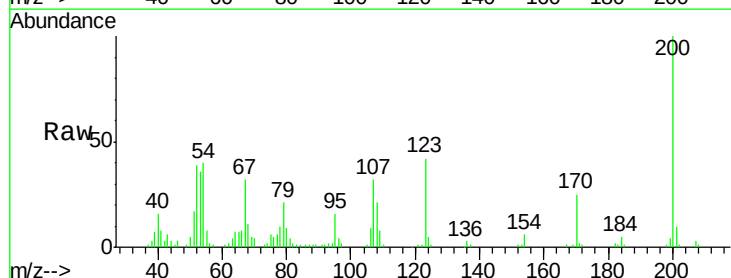


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

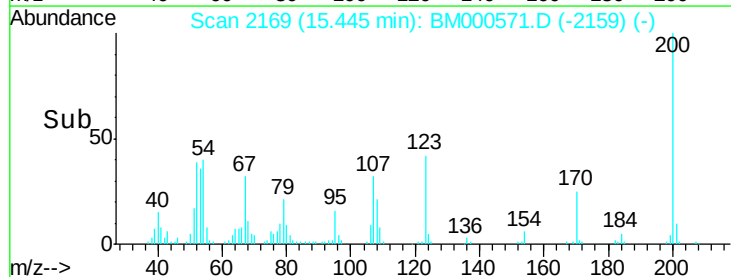
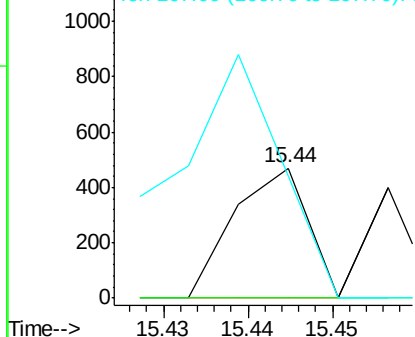


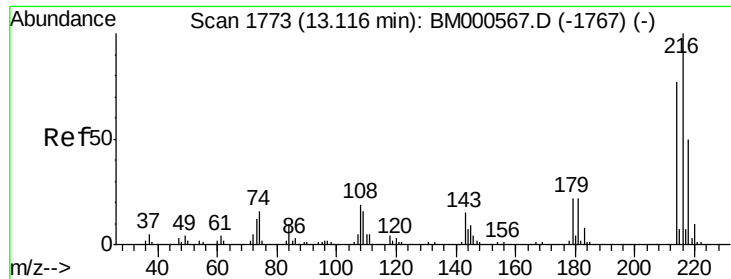
#62
 N-Nitrosodiphenylamine
 Concen: 0.02 ng/ul
 RT: 15.44 min Scan# 2169
 Delta R.T. -0.14 min
 Lab File: BM000571.D
 Acq: 20 Feb 2015 22:38

Tgt Ion:169 Resp: 286
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.3 79.9#
 167 94.0 29.4 44.2#



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

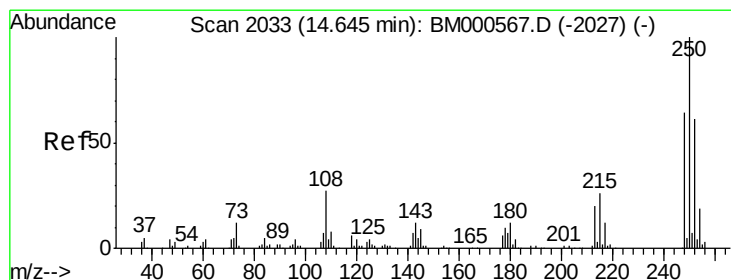
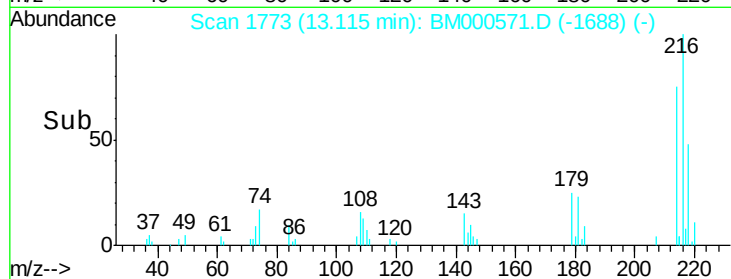
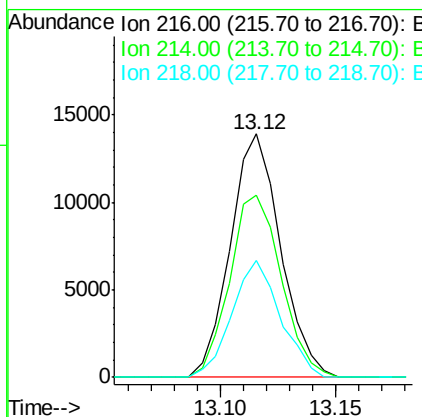
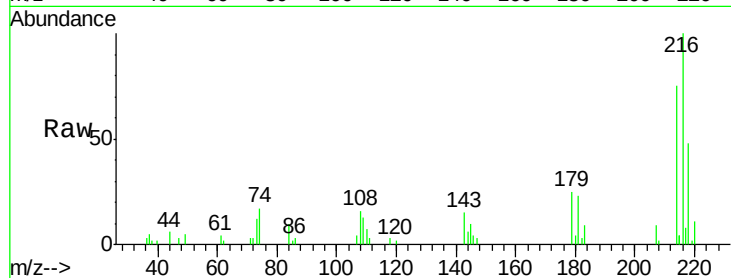




#70
 1,2,3,4-Tetrachlorobenzene
 Concen: 2.67 ng/uL
 RT: 13.12 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: BM000571.D
 Acq: 20 Feb 2015 22:38

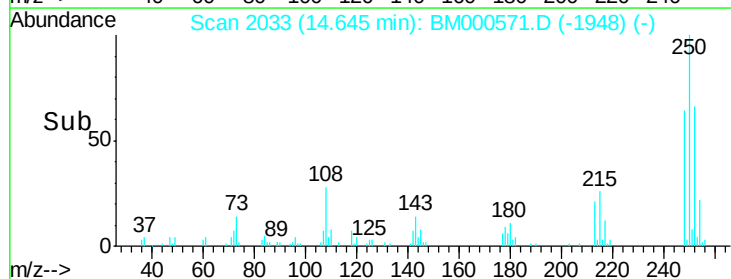
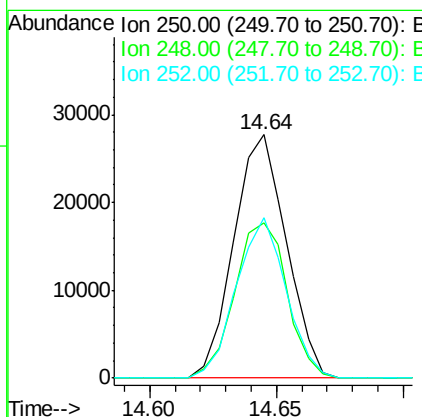
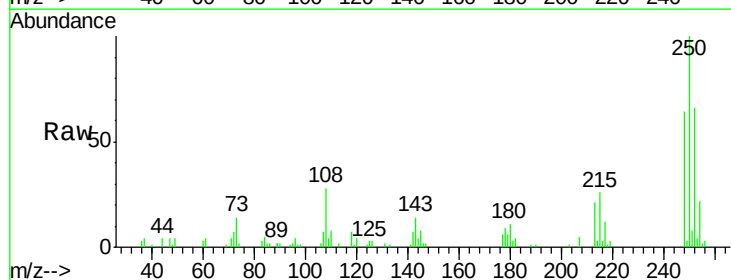
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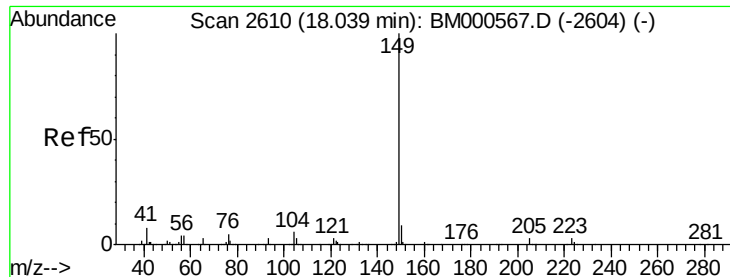
Tgt Ion:216 Resp: 21066
 Ion Ratio Lower Upper
 216 100
 214 74.7 59.1 88.7
 218 48.2 37.6 56.4



#71
 Pentachlorobenzene
 Concen: 5.27 ng/uL
 RT: 14.64 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BM000571.D
 Acq: 20 Feb 2015 22:38

Tgt Ion:250 Resp: 39785
 Ion Ratio Lower Upper
 250 100
 248 67.0 52.4 78.6
 252 65.9 51.5 77.3





#73

Di-n-butylphthalate

Concen: 0.02 ng/ul

RT: 18.04 min Scan# 2611

Delta R.T. 0.01 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

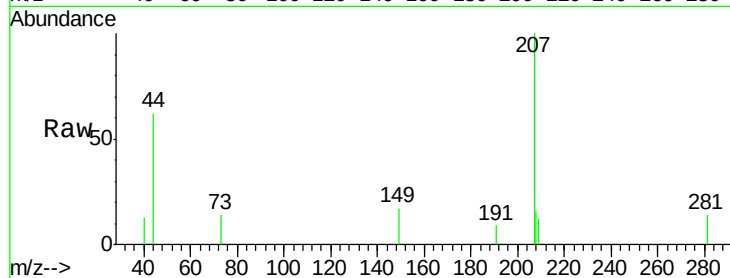
Tgt Ion:149 Resp: 519

Ion Ratio Lower Upper

149 100

150 0.0 7.3 10.9#

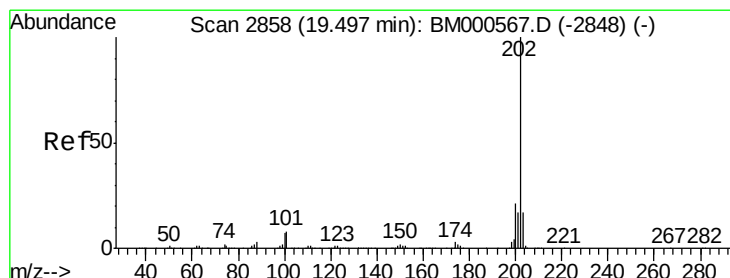
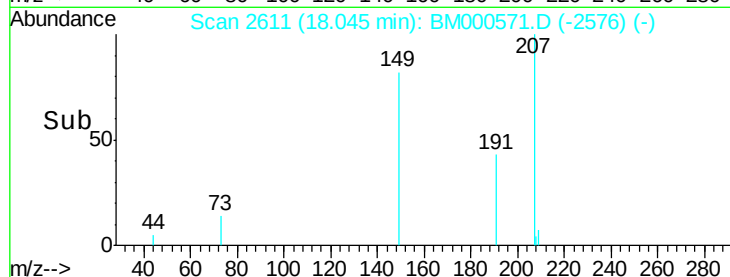
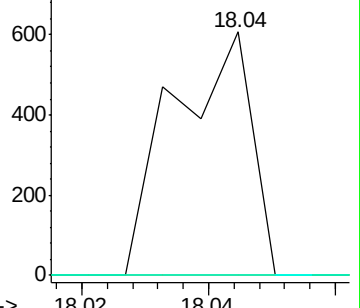
104 0.0 4.6 6.8#



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: 19.47 min Scan# 2853

Delta R.T. -0.03 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

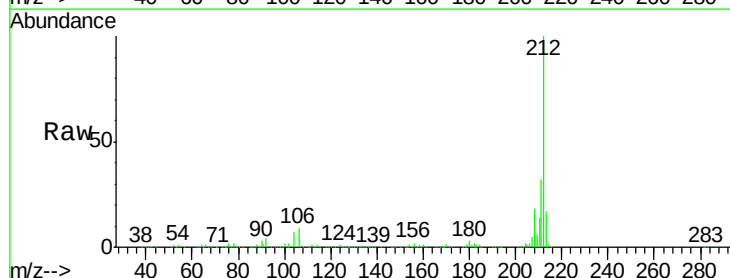
Tgt Ion:202 Resp: 1308

Ion Ratio Lower Upper

202 100

101 110.6 7.2 10.8#

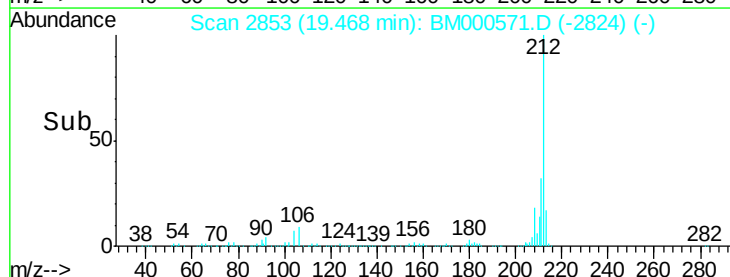
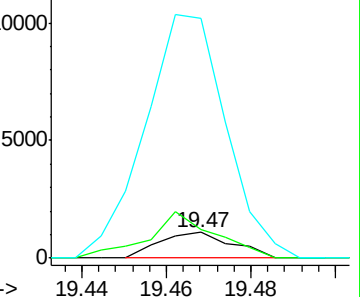
100 922.3 5.9 8.9#

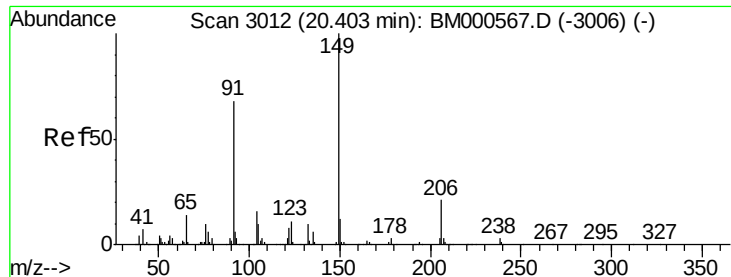


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

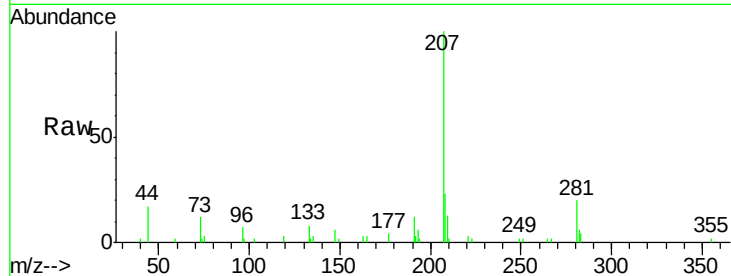




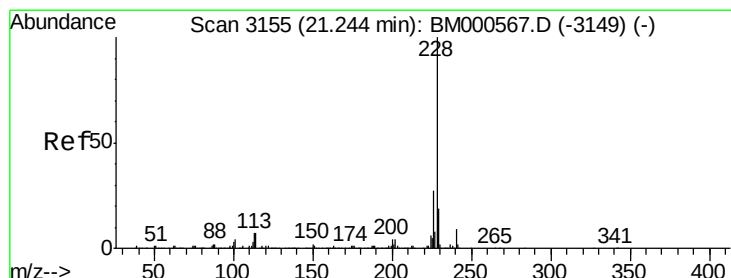
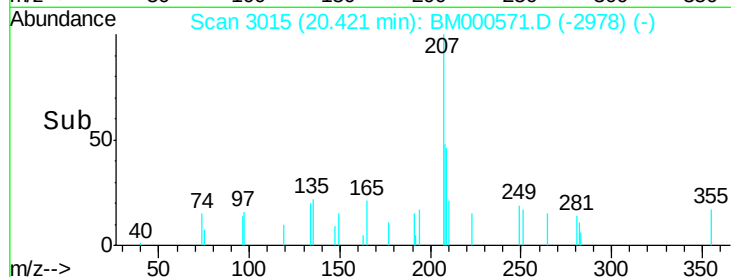
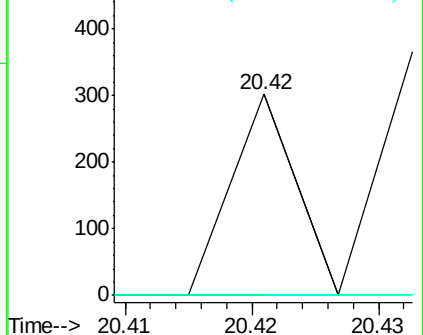
#78
Butylbenzylphthalate
Concen: 0.01 ng/ul
RT: 20.42 min Scan# 3015
Delta R.T. 0.02 min
Lab File: BM000571.D
Acq: 20 Feb 2015 22:38

Instrument :
BNA_M
ClientSampleId :
MDL-03-S

Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	53.9	80.9#
206	0.0	17.2	25.8#

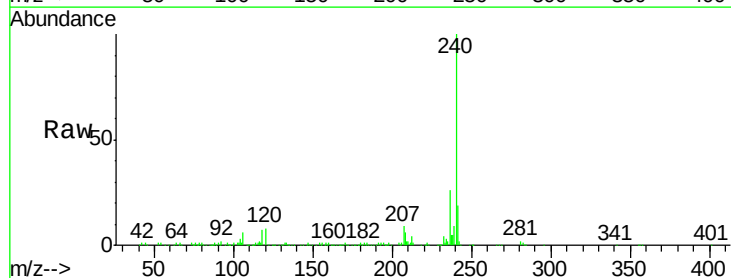


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E

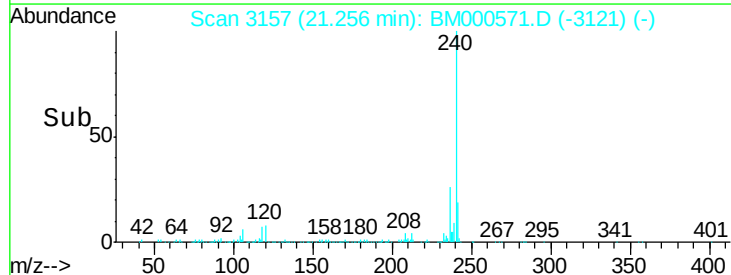
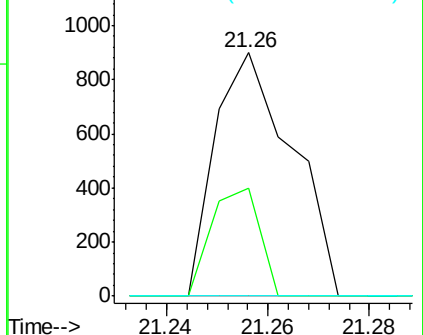


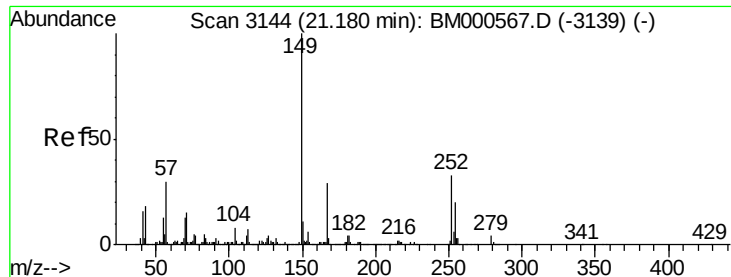
#80
Benzo(a)anthracene
Concen: 0.03 ng/ul
RT: 21.26 min Scan# 3157
Delta R.T. 0.01 min
Lab File: BM000571.D
Acq: 20 Feb 2015 22:38

Tgt Ion	Ratio	Lower	Upper
228	100		
229	44.3	15.1	22.7#
226	0.0	20.4	30.6#



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

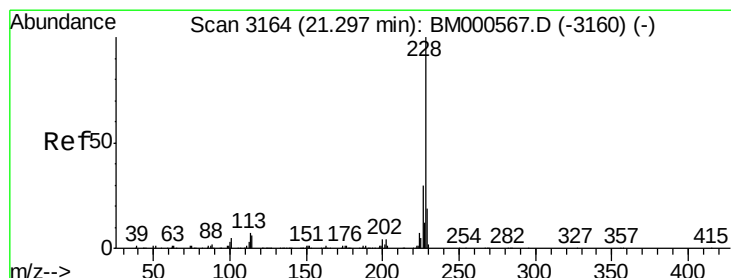
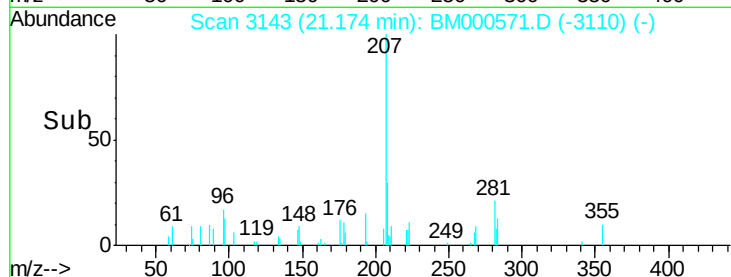
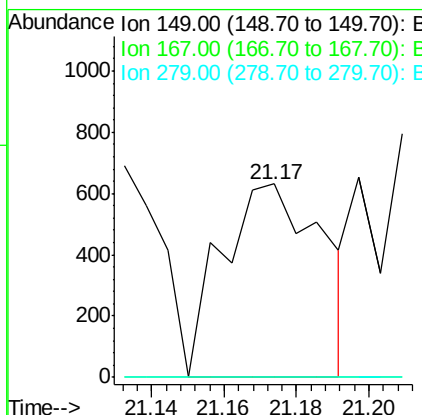
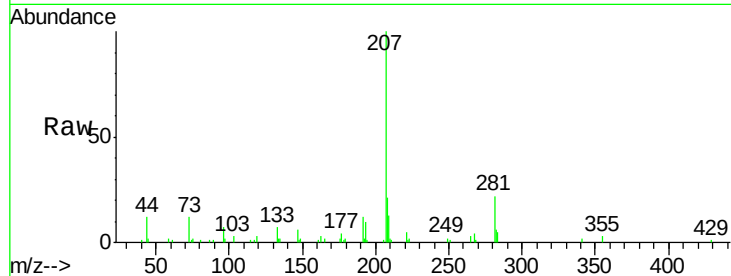




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.08 ng/ul
 RT: 21.17 min Scan# 3143
 Delta R.T. -0.01 min
 Lab File: BM000571.D
 Acq: 20 Feb 2015 22:38

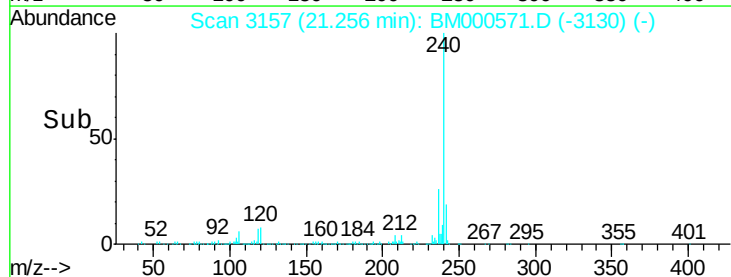
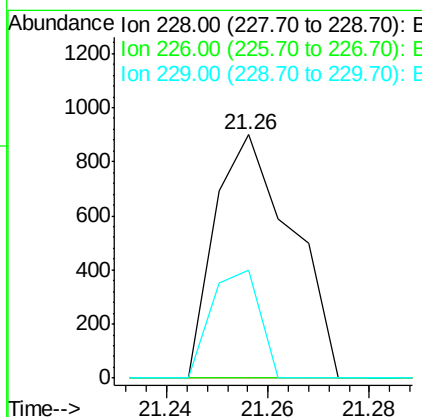
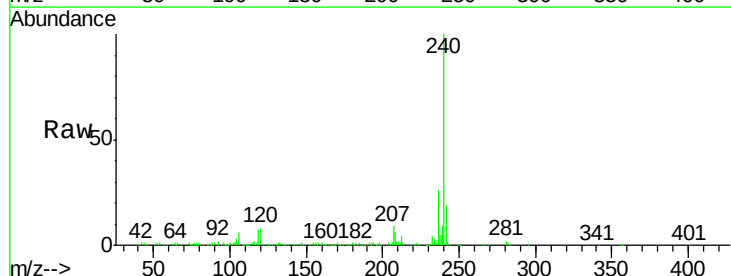
Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

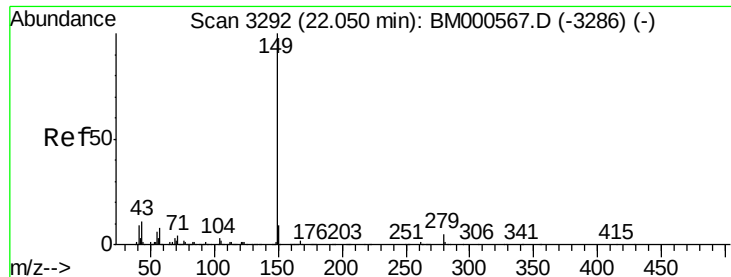
Tgt Ion:149 Resp: 1218
 Ion Ratio Lower Upper
 149 100
 167 0.0 23.8 35.6#
 279 0.0 3.4 5.2#



#82
 Chrysene
 Concen: 0.04 ng/ul
 RT: 21.26 min Scan# 3157
 Delta R.T. -0.04 min
 Lab File: BM000571.D
 Acq: 20 Feb 2015 22:38

Tgt Ion:228 Resp: 946
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.0 34.6#
 229 44.3 15.3 22.9#





#84

Di-n-octyl phthalate

Concen: 0.01 ng/ul

RT: 22.04 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

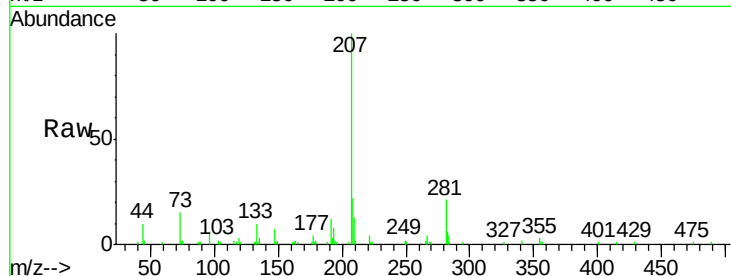
Instrument :

BNA_M

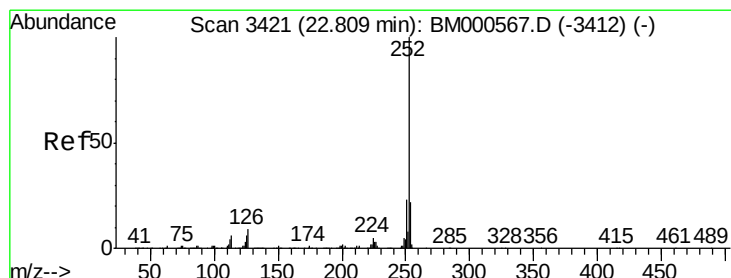
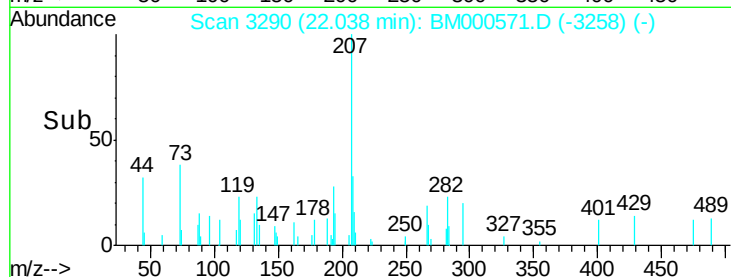
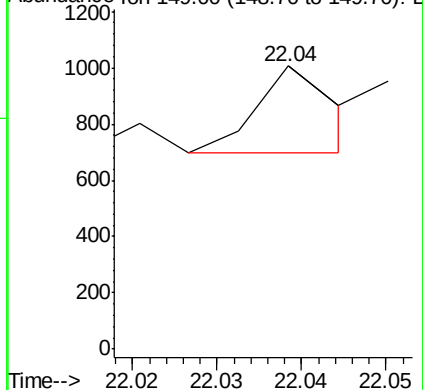
ClientSampled :

MDL-03-S

Tgt Ion:149 Resp: 198



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.74 min Scan# 3409

Delta R.T. -0.07 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

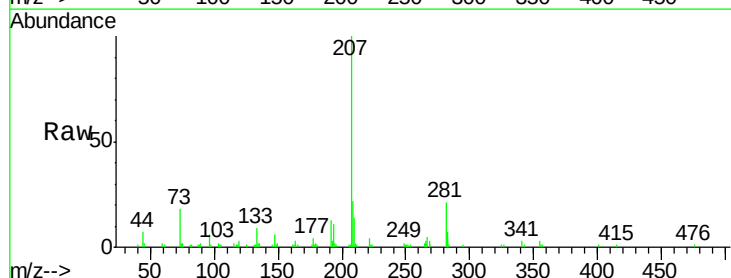
Tgt Ion:252 Resp: 256

Ion Ratio Lower Upper

252 100

253 118.6 17.4 26.0#

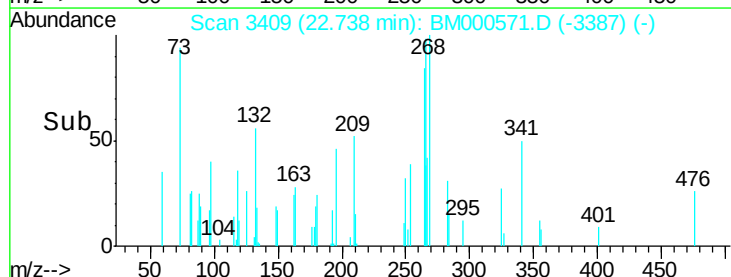
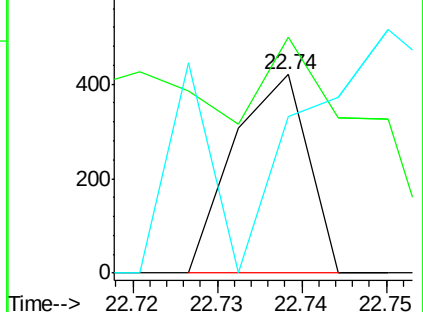
125 78.8 6.2 9.2#

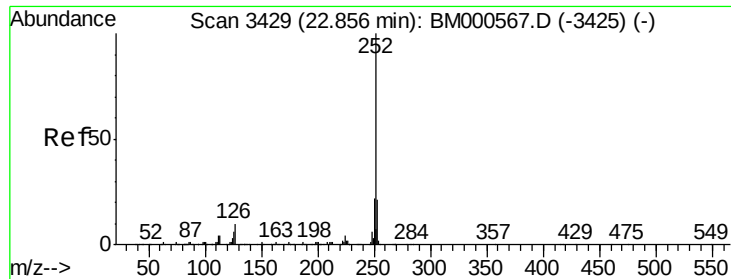


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 23.02 min Scan# 3457

Delta R.T. 0.16 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

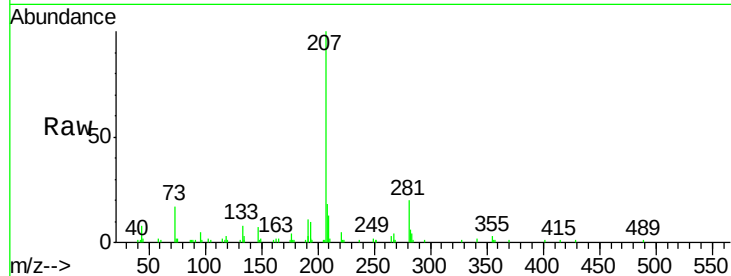
Tgt Ion:252 Resp: 109

Ion Ratio Lower Upper

252 100

253 0.0 17.1 25.7#

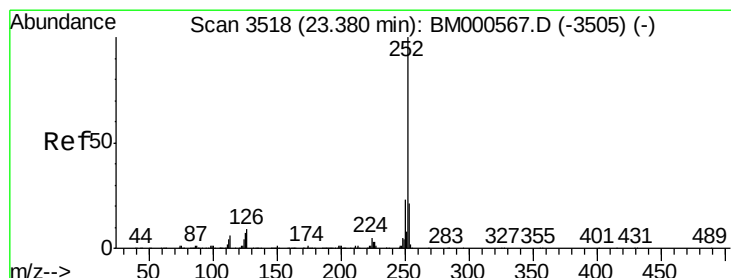
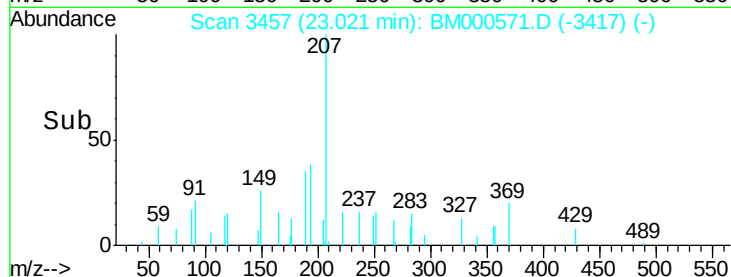
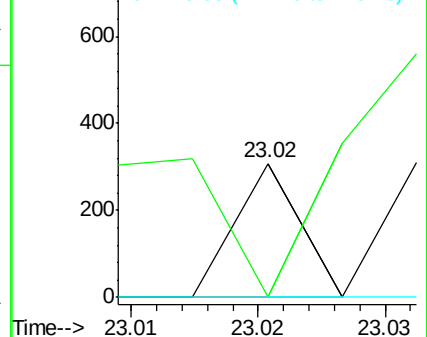
125 0.0 5.3 7.9#



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: 0.10 ng/ul

RT: 23.33 min Scan# 3509

Delta R.T. -0.05 min

Lab File: BM000571.D

Acq: 20 Feb 2015 22:38

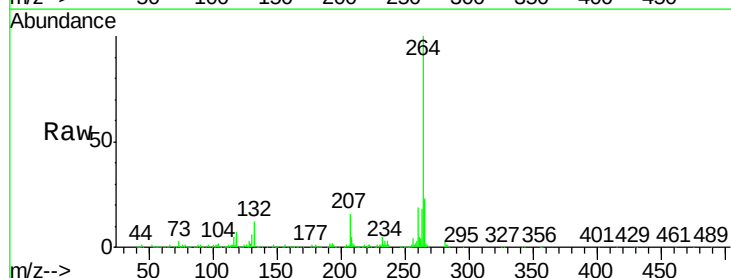
Tgt Ion:252 Resp: 2196

Ion Ratio Lower Upper

252 100

253 54.0 17.5 26.3#

125 0.0 5.4 8.0#



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

