

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022015\
 Data File : BM000561.D
 Acq On : 20 Feb 2015 15:33
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-3PPM-SOM0
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

Quant Time: Feb 21 02:49:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-MA-BM022015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 21 00:39:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	106411	20.00	ng/ul	0.00
16) Naphthalene-d8	10.46	136	479525	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.33	164	327158	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.07	188	753075	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	614197	20.00	ng/ul	0.00
83) Perylene-d12	23.47	264	442768	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.85	99	242339	31.28	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.01	67	157223	34.34	ng/ul	0.00
7) 2-Chlorophenol-d4	7.20	132	216199	32.81	ng/ul	0.00
11) 4-Methylphenol-d8	8.39	113	214677	32.69	ng/ul	0.00
17) Nitrobenzene-d5	8.83	128	110385	34.30	ng/ul	0.00
20) 2-Nitrophenol-d4	9.55	143	128314	34.44	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.09	165	241943	30.66	ng/ul	0.00
27) 4-Chloroaniline-d4	10.60	131	337245	47.91	ng/ul	0.00
41) Dimethylphthalate-d6	13.74	166	863940	36.49	ng/ul	0.00
44) Acenaphthylene-d8	14.02	160	1036062	32.66	ng/ul	0.00
49) 4-Nitrophenol-d4	14.53	143	122108	32.25	ng/ul	0.00
55) Fluorene-d10	15.32	176	784436	33.90	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.44	200	113892	26.02	ng/ul	0.00
68) Anthracene-d10	17.17	188	1211169	34.00	ng/ul	0.00
76) Pyrene-d10	19.47	212	1239841	34.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	705207	33.97	ng/ul	0.00

Target Compounds

						Qvalue
2) Benzaldehyde	6.85	77	325	0.07	ng/ul#	2
6) Bis(2-Chloroethyl)ether	7.10	93	629	0.10	ng/ul#	58
13) N-Nitroso-di-n-propylamine	8.39	70	5989	1.19	ng/ul#	1
18) Nitrobenzene	8.83	77	943	0.12	ng/ul#	40
19) Isophorone	9.55	82	13749	0.96	ng/ul#	69
42) Dimethylphthalate	13.74	163	414	0.02	ng/ul#	1
43) 2,6-Dinitrotoluene	13.74	165	6694	1.45	ng/ul#	40
50) 4-Nitrophenol	14.55	109	494	0.12	ng/ul#	1
56) Fluorene	15.32	166	1876	0.07	ng/ul#	9
58) 4-Nitroaniline	15.32	138	116	0.03	ng/ul#	1
62) N-Nitrosodiphenylamine	15.45	169	601	0.03	ng/ul#	31
69) Anthracene	17.18	178	106	0.00	ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	13.12	216	22894	2.05	ng/uL	93
71) Pentachlorobenzene	14.64	250	45952	4.30	ng/uL	96
77) Pyrene	19.47	202	1640	0.04	ng/ul#	1
78) Butylbenzylphthalate	20.40	149	404	0.03	ng/ul#	25
80) Benzo(a)anthracene	21.26	228	1526	0.04	ng/ul#	53
81) Bis(2-ethylhexyl)phthalate	21.18	149	308	0.02	ng/ul#	50
82) Chrysene	21.26	228	1526	0.05	ng/ul#	51
84) Di-n-octyl phthalate	22.04	149	578	0.02	ng/ul	100
85) Benzo(b)fluoranthene	22.81	252	117	0.00	ng/ul#	1
86) Benzo(k)fluoranthene	22.86	252	289	0.01	ng/ul#	1
88) Benzo(a)pyrene	23.40	252	125	0.00	ng/ul#	1

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Instrument :
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ClientSampleId :
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Quant Time: Feb 21 02:49:11 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-MA-BM022015.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 21 00:39:15 2015
Response via : Initial Calibration

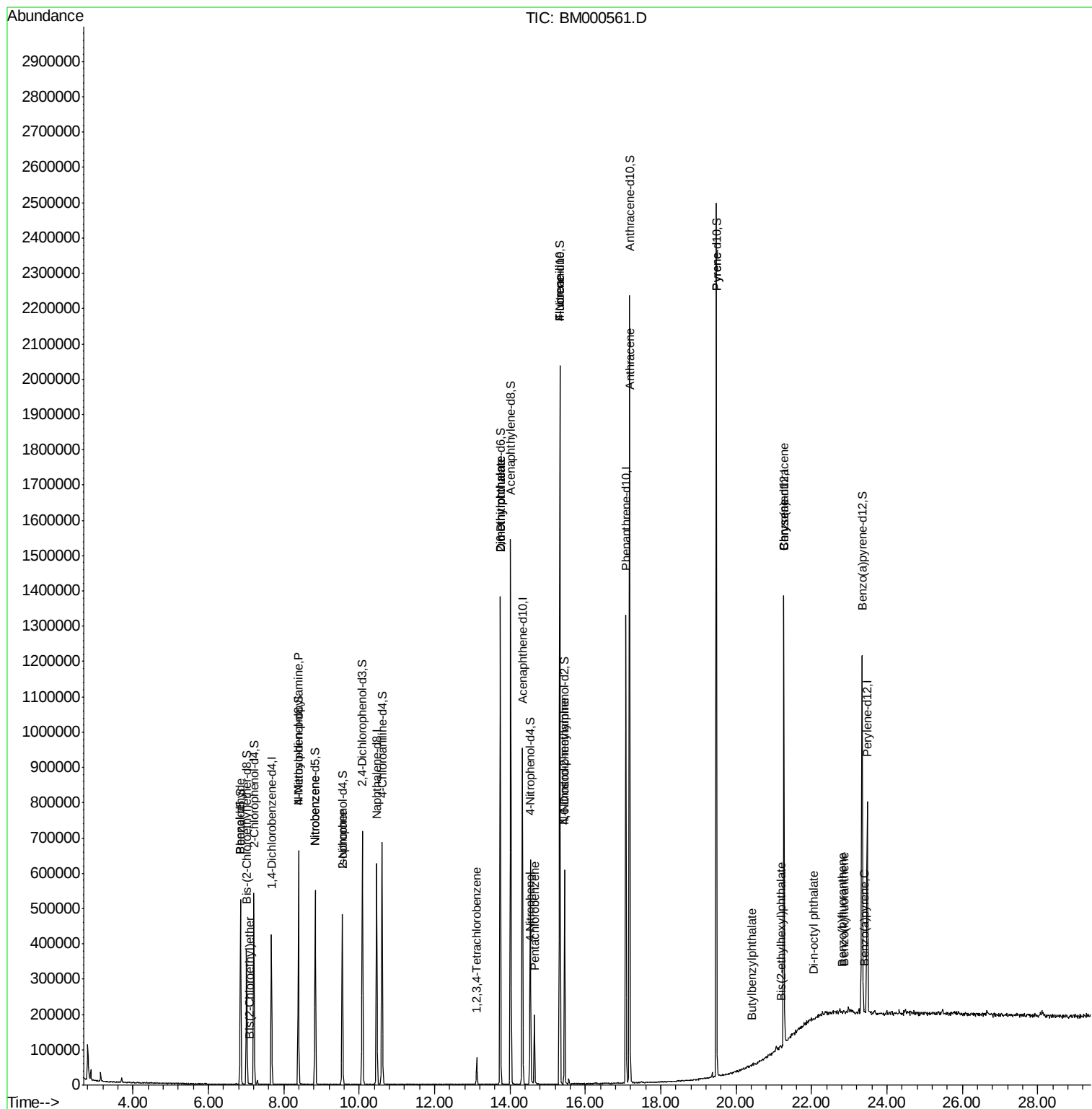
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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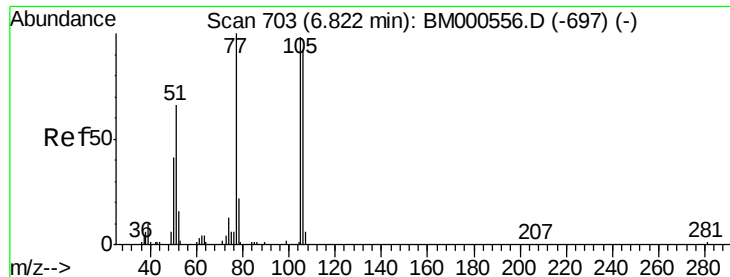
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_M
ClientSampleId :
MDL-02-W

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Response via : Initial Calibration





#2

Benzaldehyde

Concen: 0.07 ng/ul

RT: 6.85 min Scan# 707

Delta R.T. 0.02 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

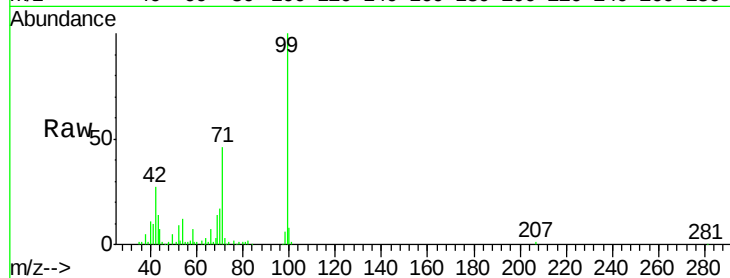
Tgt Ion: 77 Resp: 325

Ion Ratio Lower Upper

77 100

105 0.0 78.6 117.8#

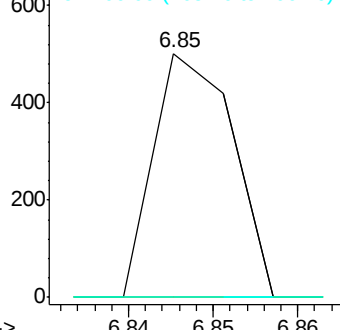
106 0.0 74.2 111.4#



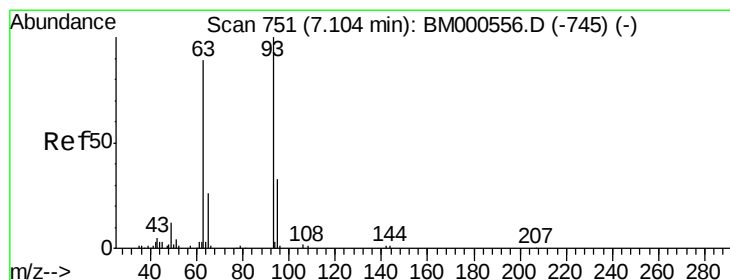
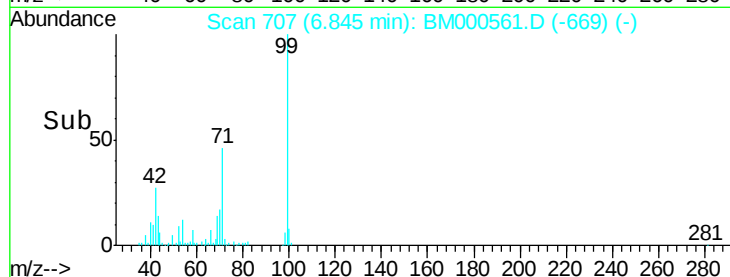
Abundance Ion 77.00 (76.70 to 77.70): BM000561.D (-669) (-)

Ion 105.00 (104.70 to 105.70): BM000561.D (-669) (-)

Ion 106.00 (105.70 to 106.70): BM000561.D (-669) (-)



Time-->



#6

Bis(2-Chloroethyl)ether

Concen: 0.10 ng/ul

RT: 7.10 min Scan# 751

Delta R.T. -0.00 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

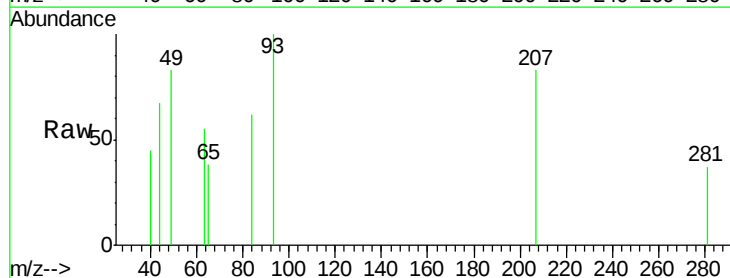
Tgt Ion: 93 Resp: 629

Ion Ratio Lower Upper

93 100

63 55.4 71.2 106.8#

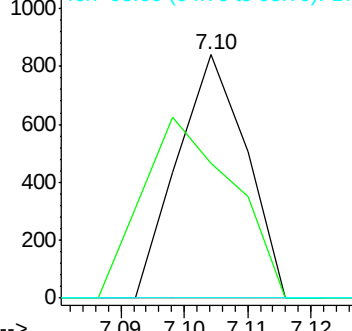
95 0.0 26.1 39.1#



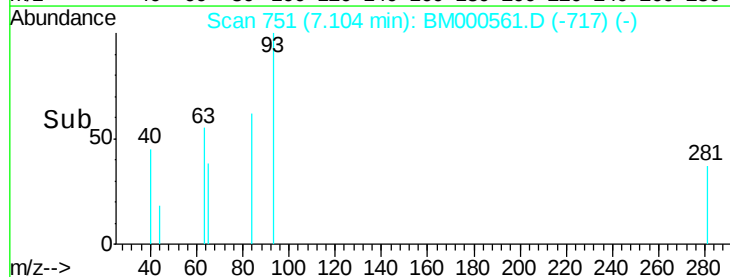
Abundance Ion 93.00 (92.70 to 93.70): BM000561.D (-717) (-)

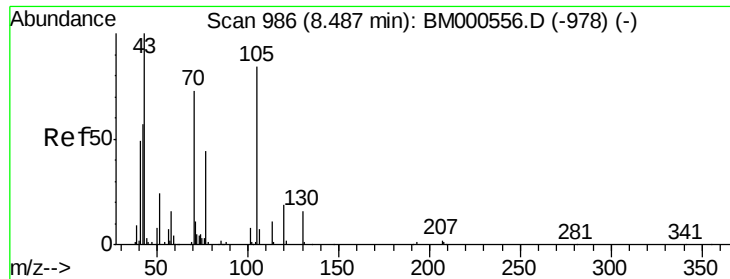
Ion 63.00 (62.70 to 63.70): BM000561.D (-717) (-)

Ion 95.00 (94.70 to 95.70): BM000561.D (-717) (-)



Time-->

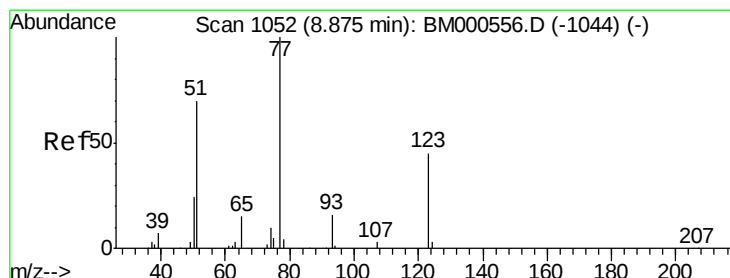
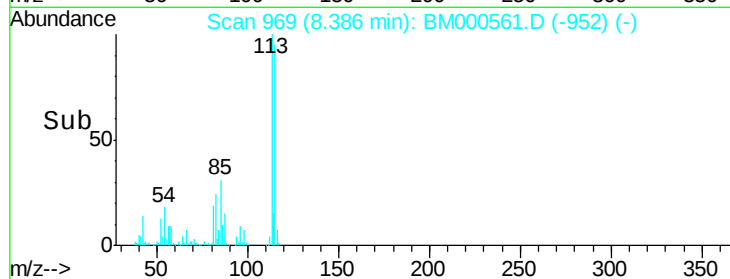
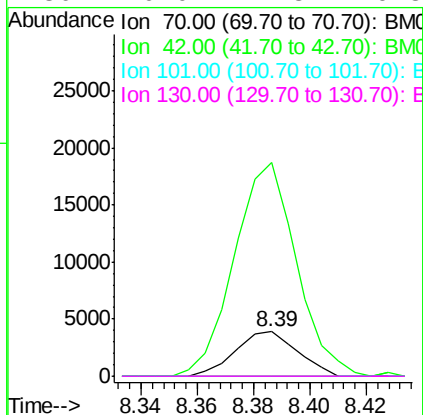
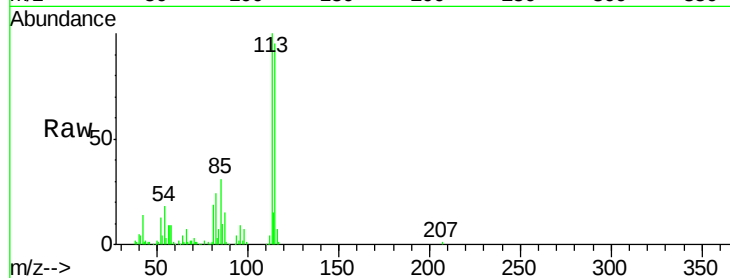




#13
N-Nitroso-di-n-propylamine
Concen: 1.19 ng/ul
RT: 8.39 min Scan# 969
Delta R.T. -0.10 min
Lab File: BM000561.D
Acq: 20 Feb 2015 15:33

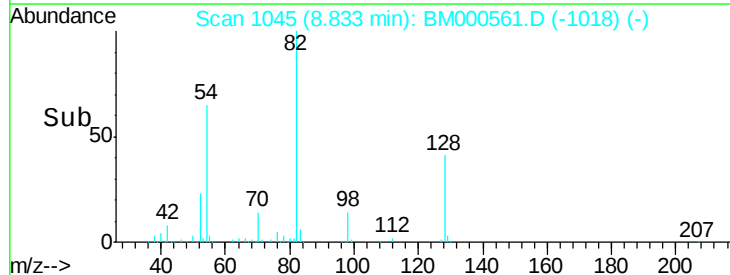
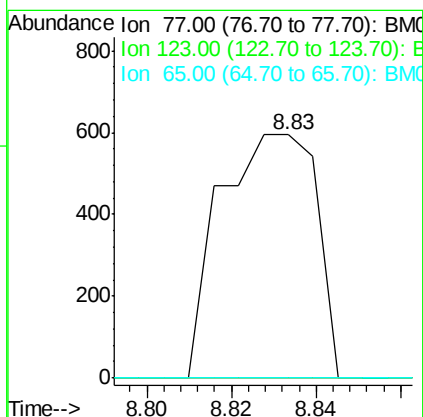
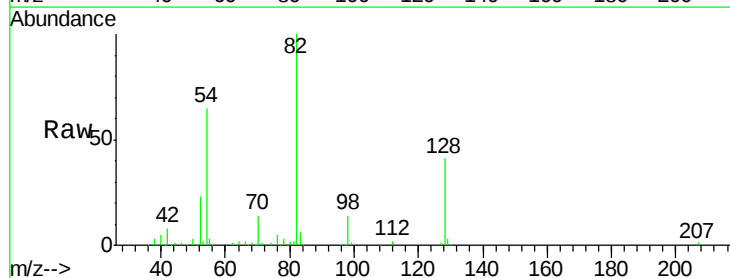
Instrument :
BNA_M
ClientSampled :
MDL-02-W

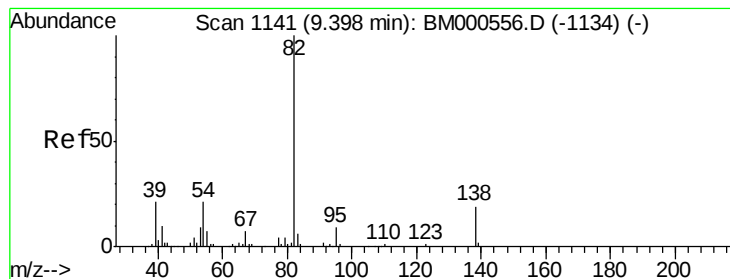
Tgt Ion: 70 Resp: 5989
Ion Ratio Lower Upper
70 100
42 481.6 63.3 94.9#
101 0.0 8.2 12.4#
130 0.0 17.8 26.8#



#18
Nitrobenzene
Concen: 0.12 ng/ul
RT: 8.83 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BM000561.D
Acq: 20 Feb 2015 15:33

Tgt Ion: 77 Resp: 943
Ion Ratio Lower Upper
77 100
123 0.0 35.7 53.5#
65 0.0 12.3 18.5#





#19

Isophorone

Concen: 0.96 ng/ul

RT: 9.55 min Scan# 1167

Delta R.T. 0.15 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

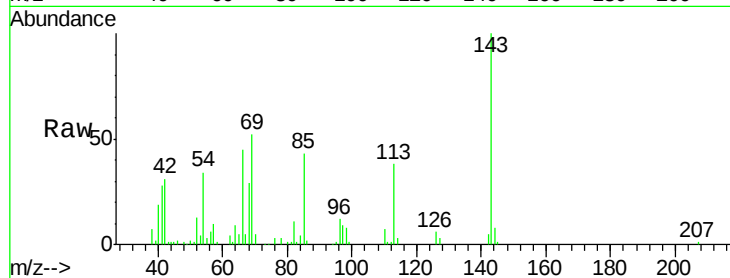
Tgt Ion: 82 Resp: 13749

Ion Ratio Lower Upper

82 100

95 6.3 7.0 10.4#

138 0.0 15.1 22.7#

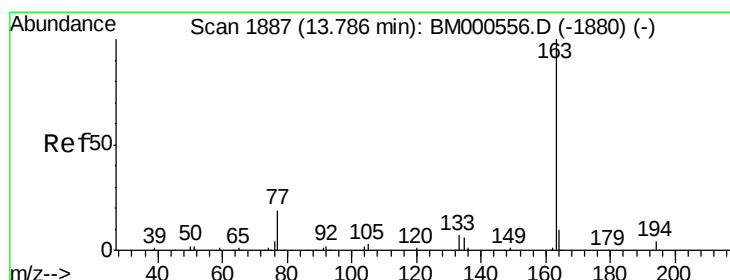
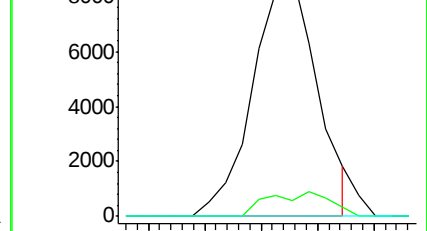
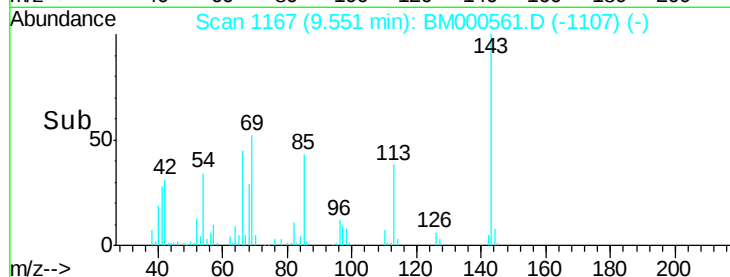


Abundance Ion 82.00 (81.70 to 82.70): BM000556.D (-1134) (-)

Ion 95.00 (94.70 to 95.70): BM000556.D (-1134) (-)

Ion 138.00 (137.70 to 138.70): BM000556.D (-1134) (-)

Time-->



#42

Dimethylphthalate

Concen: 0.02 ng/ul

RT: 13.74 min Scan# 1879

Delta R.T. -0.05 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

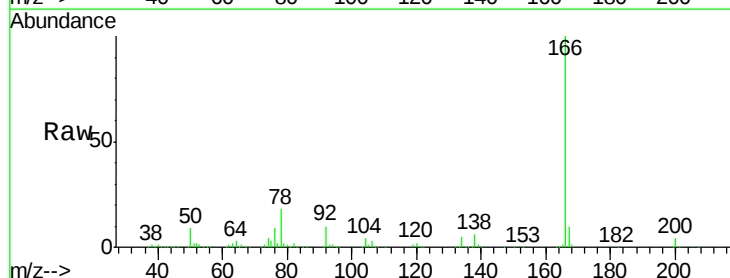
Tgt Ion: 163 Resp: 414

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 380.7 7.9 11.9#

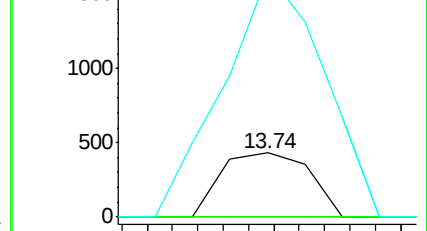
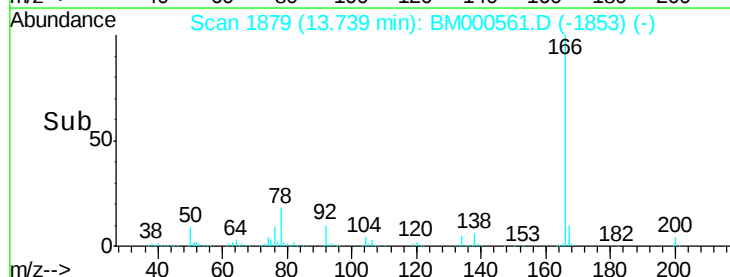


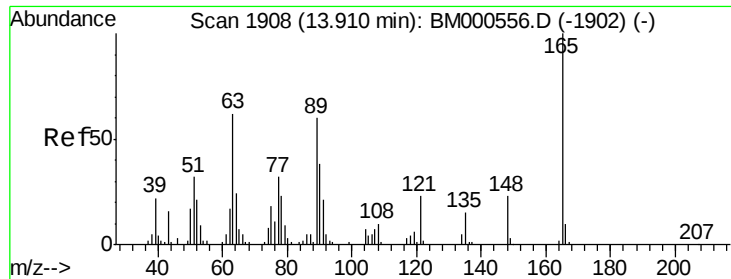
Abundance Ion 163.00 (162.70 to 163.70): BM000556.D (-1880) (-)

Ion 194.00 (193.70 to 194.70): BM000556.D (-1880) (-)

Ion 164.00 (163.70 to 164.70): BM000556.D (-1880) (-)

Time-->

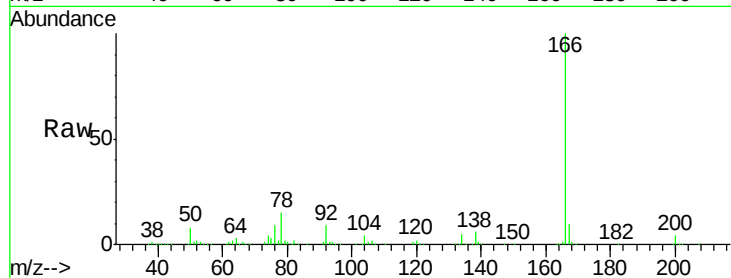




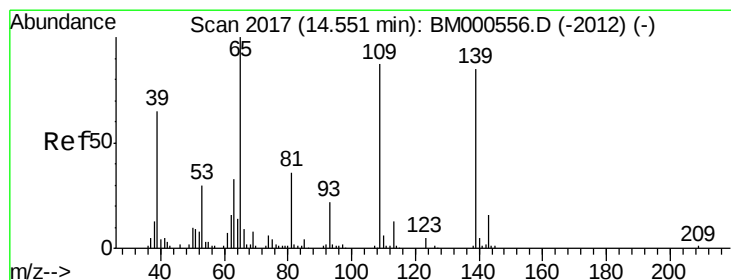
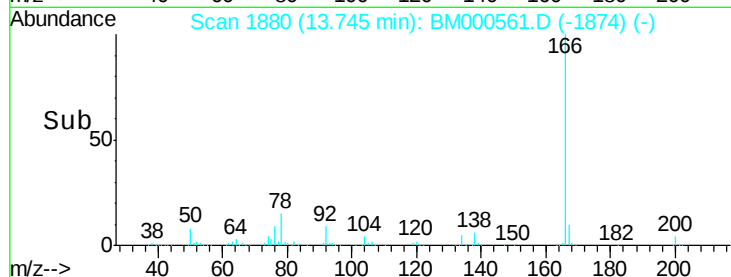
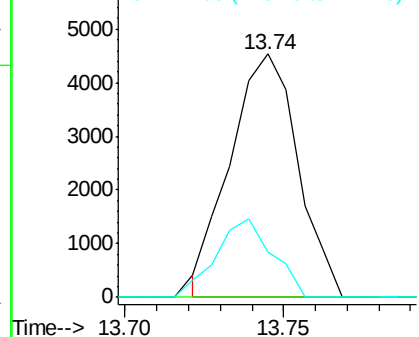
#43
 2,6-Dinitrotoluene
 Concen: 1.45 ng/ul
 RT: 13.74 min Scan# 1880
 Delta R.T. -0.16 min
 Lab File: BM000561.D
 Acq: 20 Feb 2015 15:33

Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

Tgt Ion:165 Resp: 6694
 Ion Ratio Lower Upper
 165 100
 89 0.0 47.8 71.8#
 121 18.7 18.1 27.1

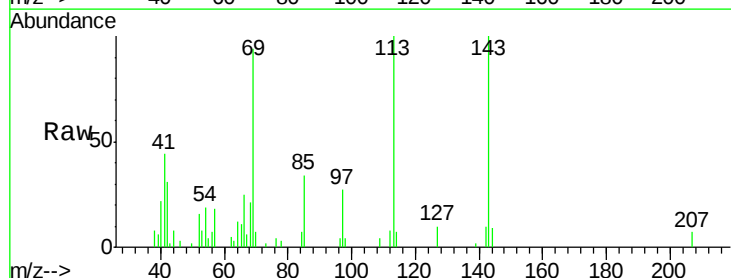


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM
 Ion 121.00 (120.70 to 121.70): E

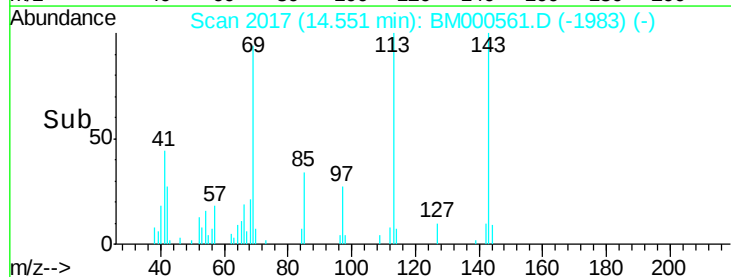
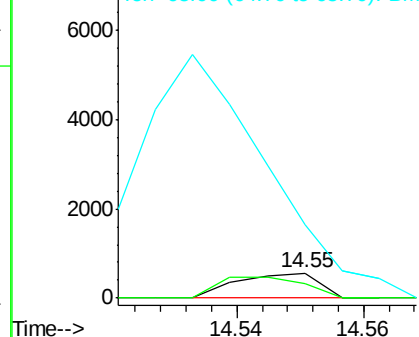


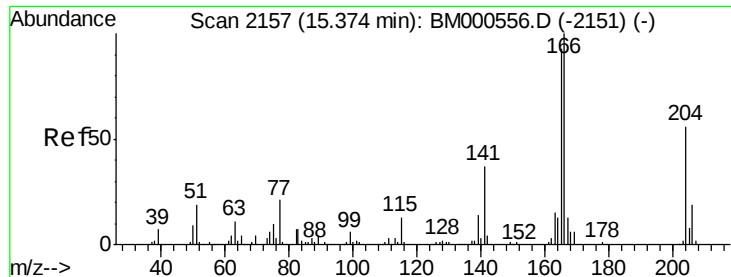
#50
 4-Nitrophenol
 Concen: 0.12 ng/ul
 RT: 14.55 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BM000561.D
 Acq: 20 Feb 2015 15:33

Tgt Ion:109 Resp: 494
 Ion Ratio Lower Upper
 109 100
 139 57.6 78.2 117.4#
 65 295.0 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

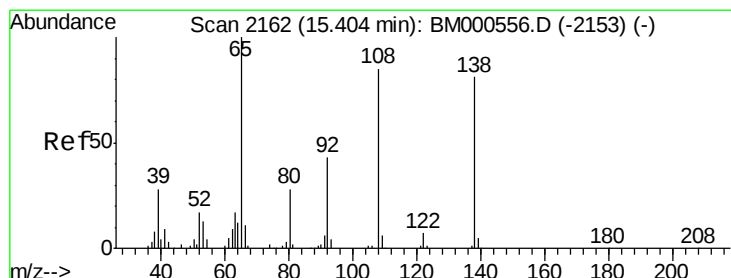
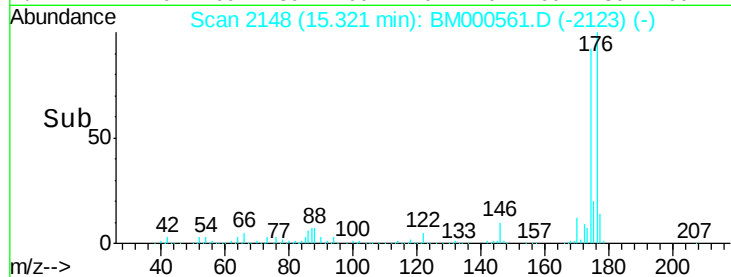
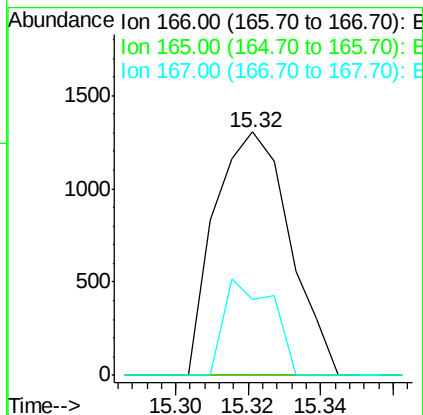
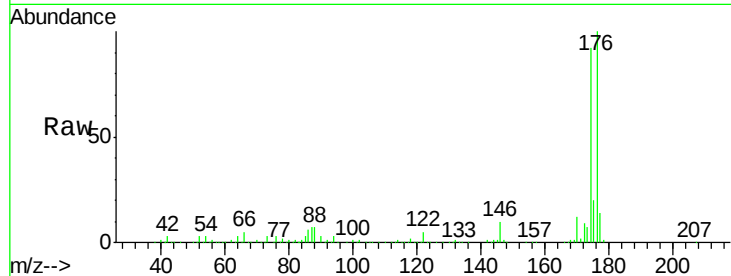




#56
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.32 min Scan# 2148
 Delta R.T. -0.05 min
 Lab File: BM000561.D
 Acq: 20 Feb 2015 15:33

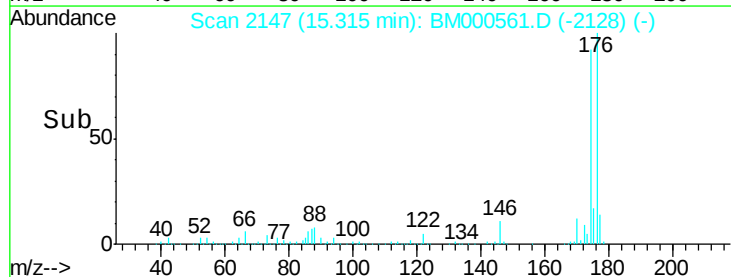
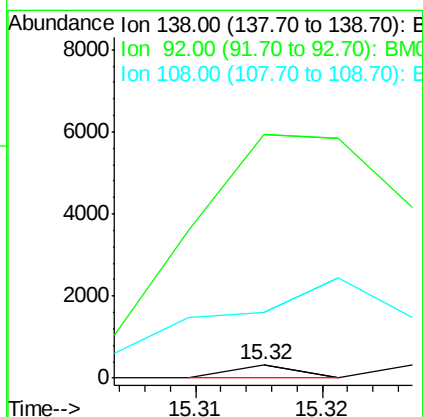
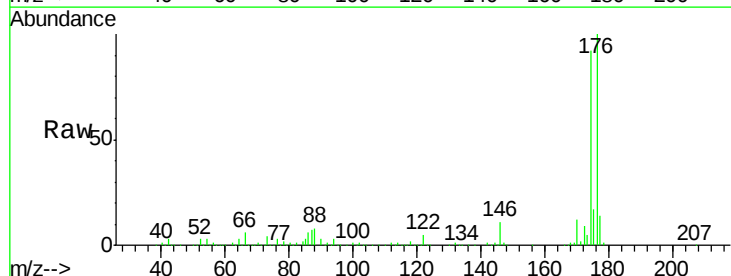
Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

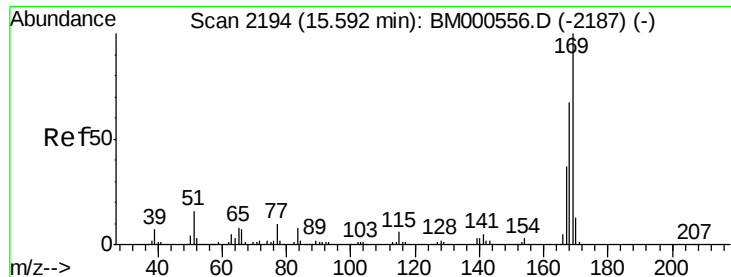
Tgt Ion:166 Resp: 1876
 Ion Ratio Lower Upper
 166 100
 165 0.0 74.4 111.6#
 167 31.4 10.2 15.4#



#58
4-Nitroaniline
 Concen: 0.03 ng/ul
 RT: 15.32 min Scan# 2147
 Delta R.T. -0.09 min
 Lab File: BM000561.D
 Acq: 20 Feb 2015 15:33

Tgt Ion:138 Resp: 116
 Ion Ratio Lower Upper
 138 100
 92 1797.9 42.2 63.2#
 108 489.4 83.5 125.3#





#62

N-Nitrosodiphenylamine

Concen: 0.03 ng/ul

RT: 15.45 min Scan# 2170

Delta R.T. -0.14 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

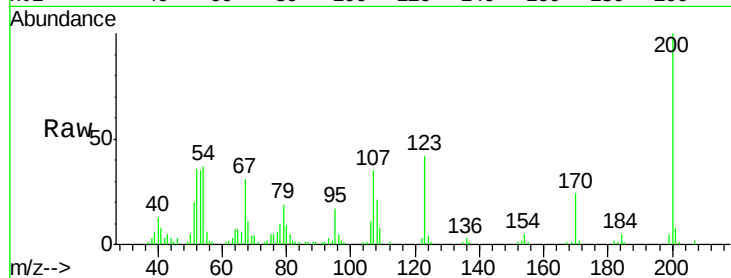
Tgt Ion:169 Resp: 601

Ion Ratio Lower Upper

169 100

168 0.0 53.3 79.9#

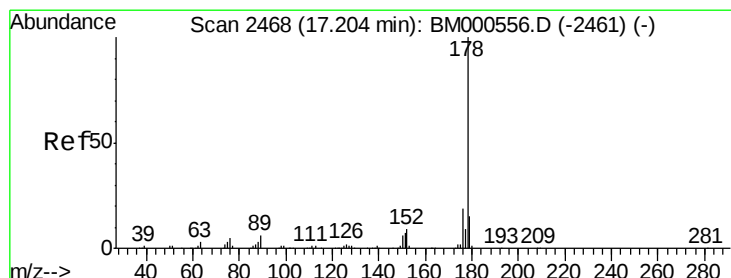
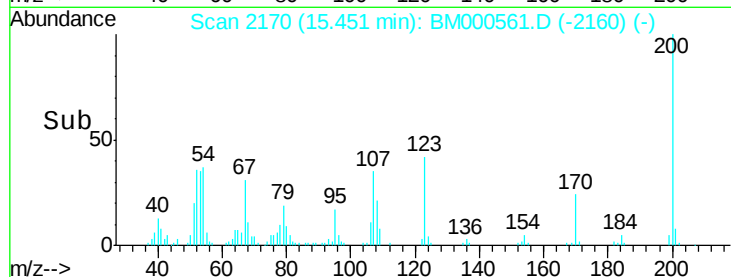
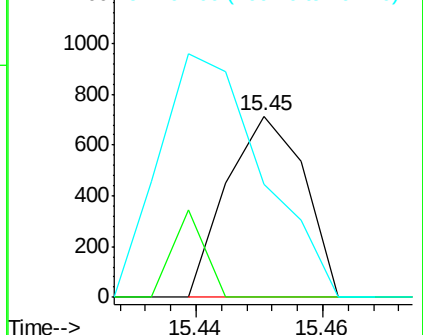
167 62.4 29.4 44.2#



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



#69

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 2464

Delta R.T. -0.02 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

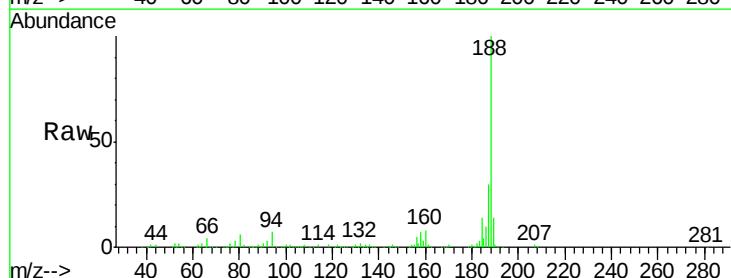
Tgt Ion:178 Resp: 106

Ion Ratio Lower Upper

178 100

179 216.6 12.2 18.4#

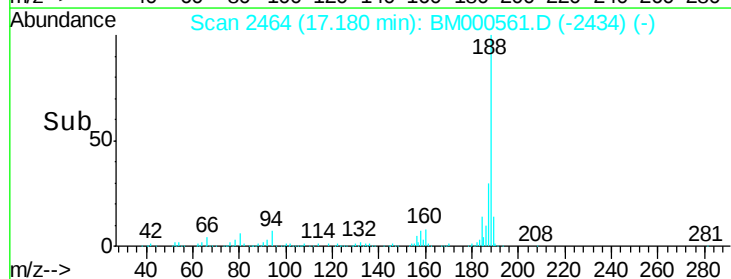
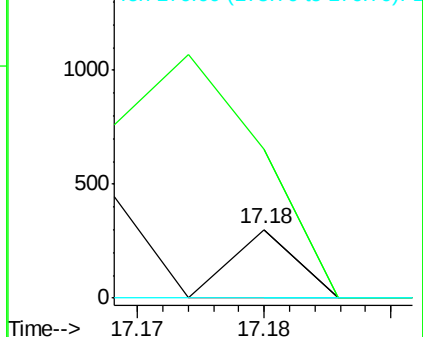
176 0.0 15.0 22.6#

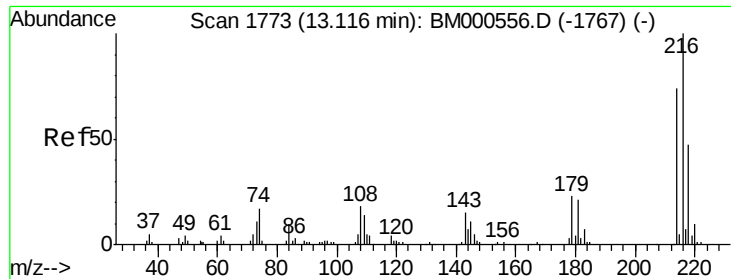


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

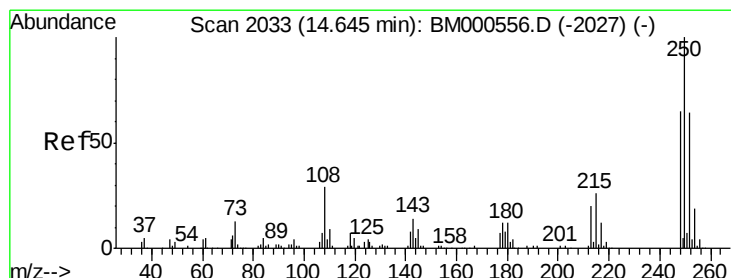
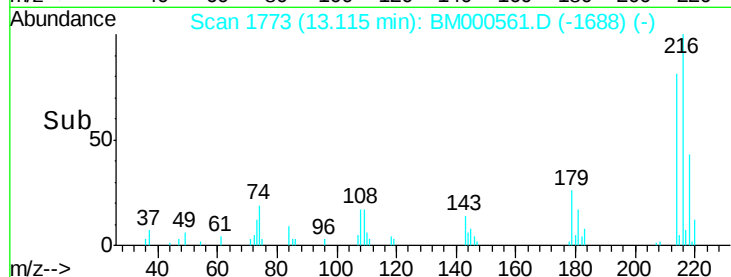
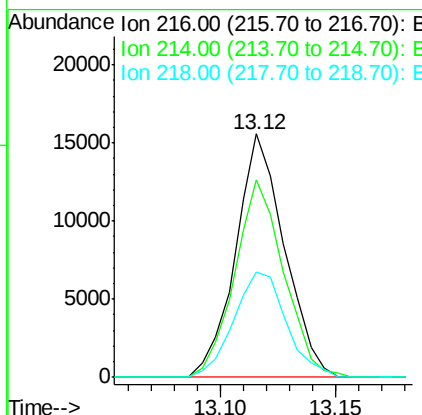
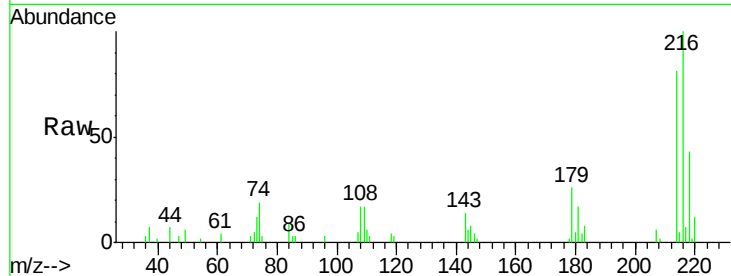




#70
 1,2,3,4-Tetrachlorobenzene
 Concen: 2.05 ng/uL
 RT: 13.12 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: BM000561.D
 Acq: 20 Feb 2015 15:33

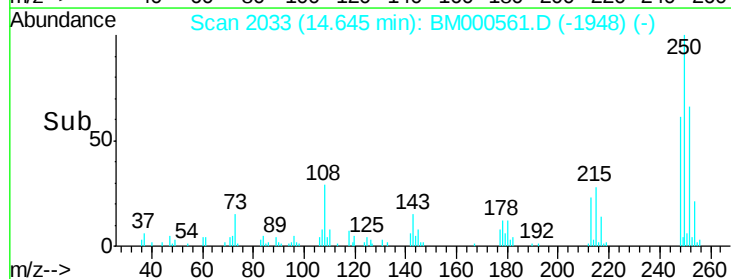
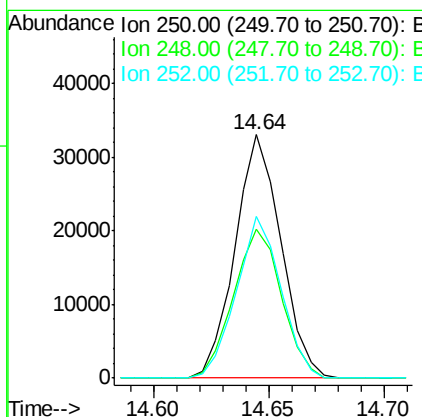
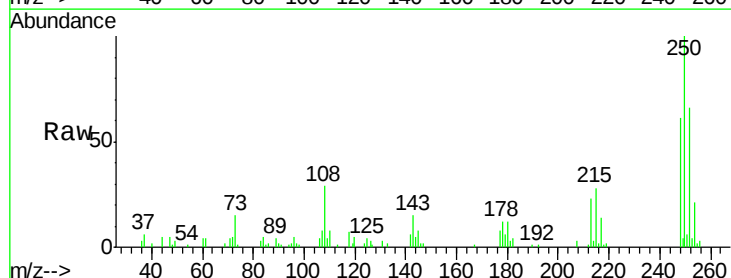
Instrument :
 BNA_M
 ClientSampleId :
 MDL-02-W

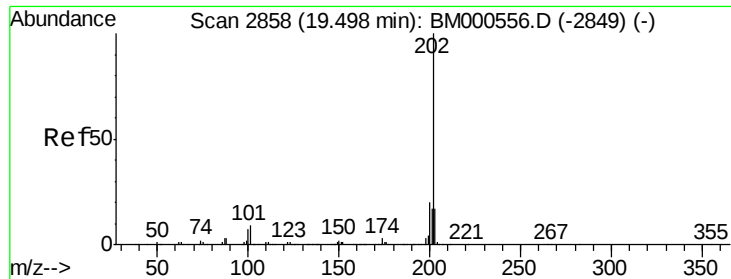
Tgt Ion:216 Resp: 22894
 Ion Ratio Lower Upper
 216 100
 214 81.1 59.1 88.7
 218 43.3 37.6 56.4



#71
 Pentachlorobenzene
 Concen: 4.30 ng/uL
 RT: 14.64 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BM000561.D
 Acq: 20 Feb 2015 15:33

Tgt Ion:250 Resp: 45952
 Ion Ratio Lower Upper
 250 100
 248 61.4 52.4 78.6
 252 66.4 51.5 77.3





#77

Pyrene

Concen: 0.04 ng/ul

RT: 19.47 min Scan# 2853

Delta R.T. -0.03 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

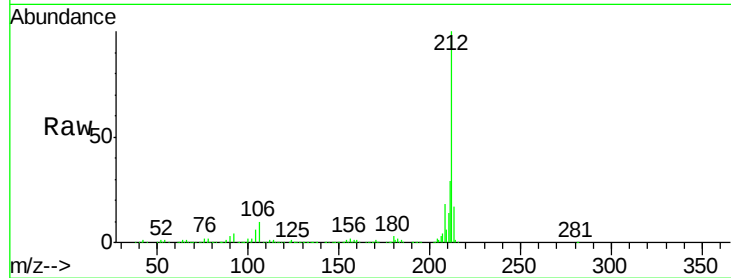
Tgt Ion:202 Resp: 1640

Ion Ratio Lower Upper

202 100

101 97.6 7.2 10.8#

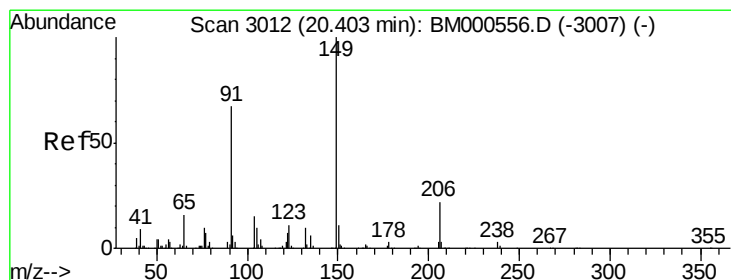
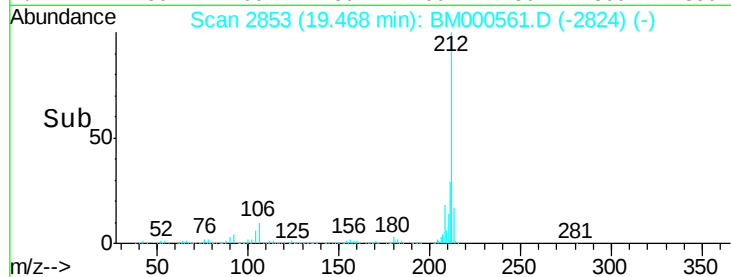
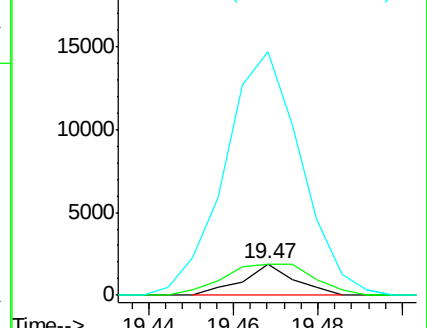
100 775.4 5.9 8.9#



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: 0.03 ng/ul

RT: 20.40 min Scan# 3011

Delta R.T. -0.01 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

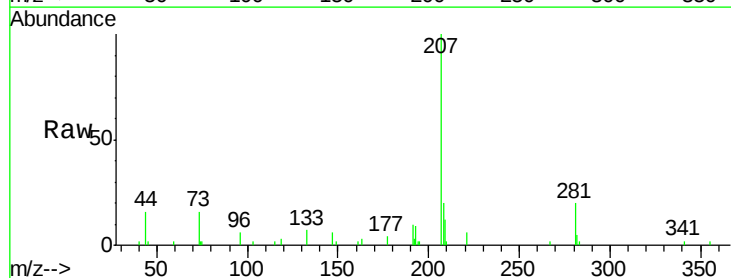
Tgt Ion:149 Resp: 404

Ion Ratio Lower Upper

149 100

91 0.0 53.9 80.9#

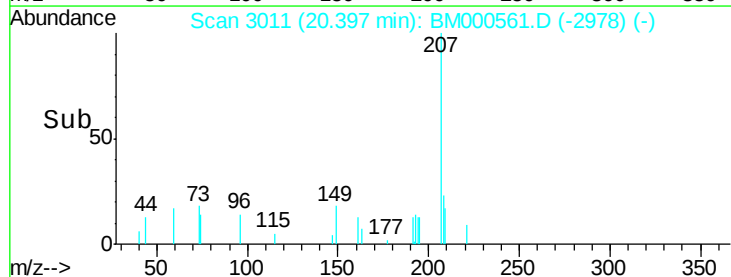
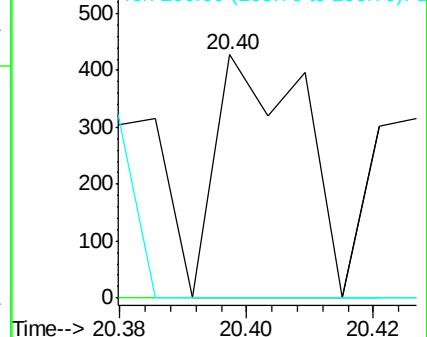
206 0.0 17.2 25.8#

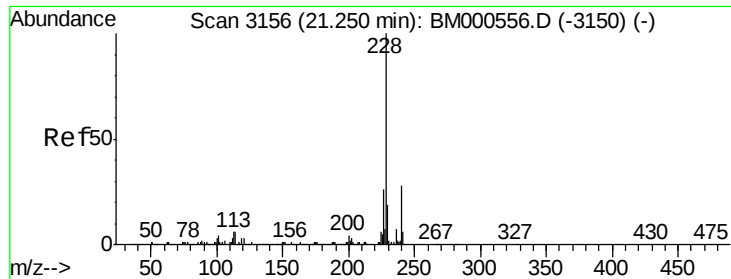


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.26 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

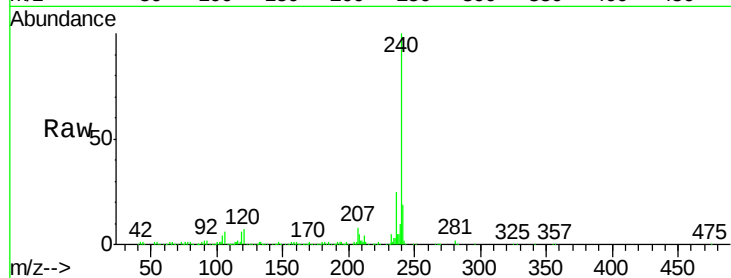
Tgt Ion:228 Resp: 1526

Ion Ratio Lower Upper

228 100

229 0.0 15.1 22.7#

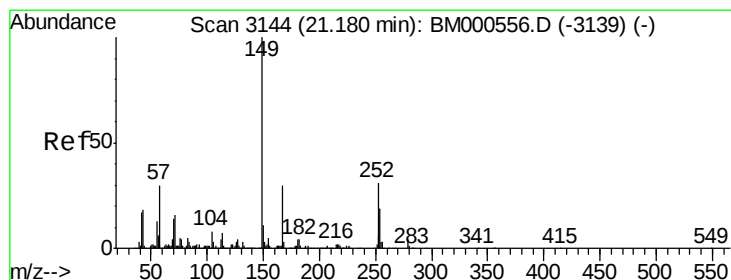
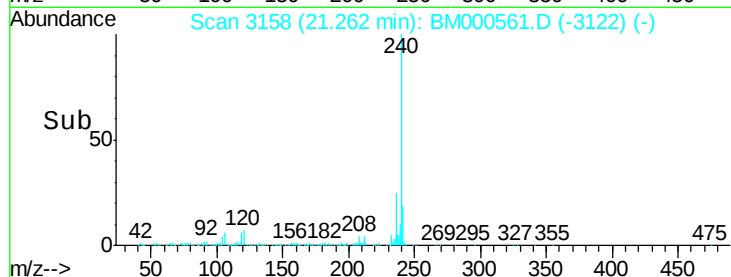
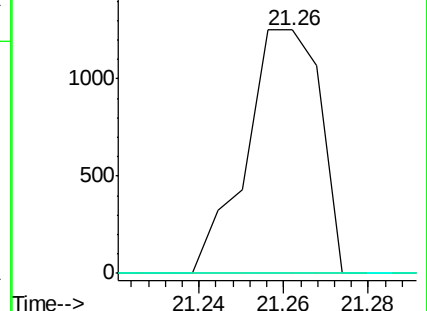
226 0.0 20.4 30.6#



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: 0.02 ng/ul

RT: 21.18 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

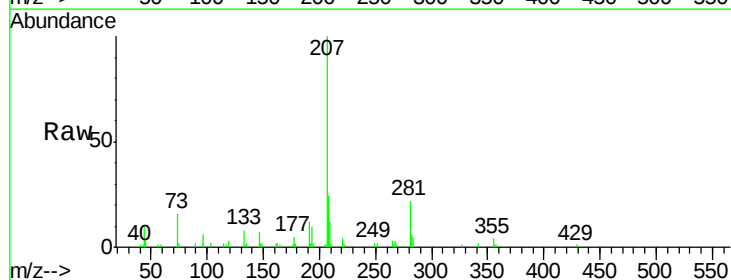
Tgt Ion:149 Resp: 308

Ion Ratio Lower Upper

149 100

167 0.0 23.8 35.6#

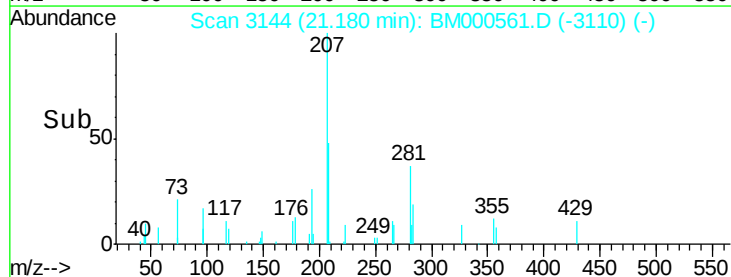
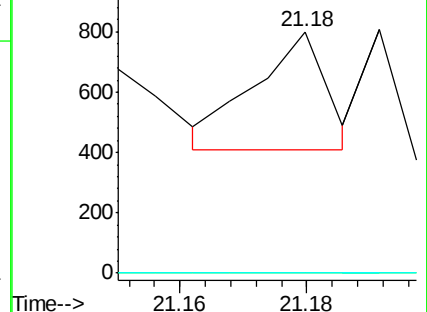
279 0.0 3.4 5.2#

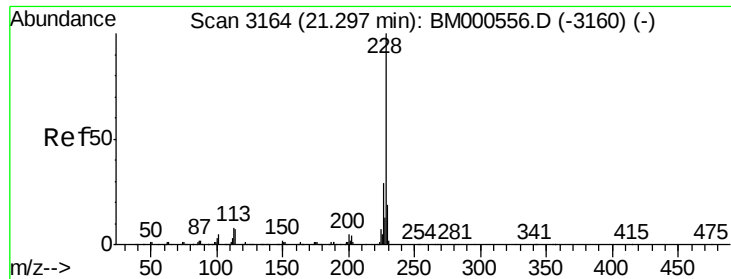


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 0.05 ng/ul

RT: 21.26 min Scan# 3158

Delta R.T. -0.04 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

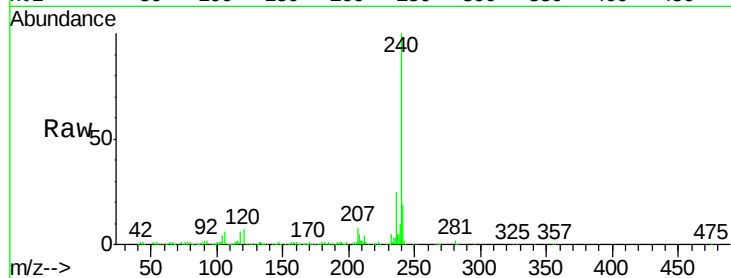
Tgt Ion:228 Resp: 1526

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

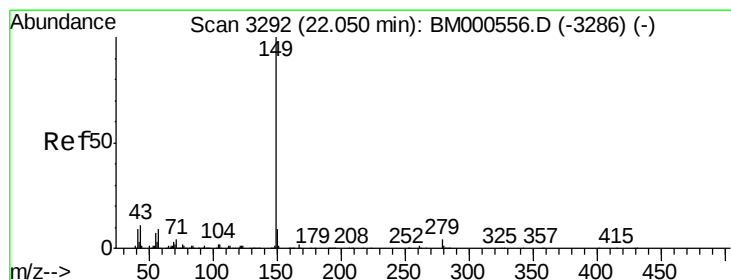
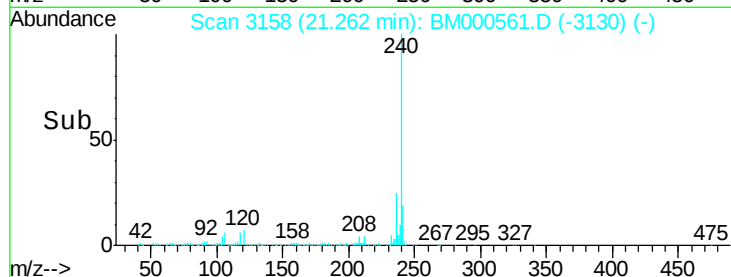
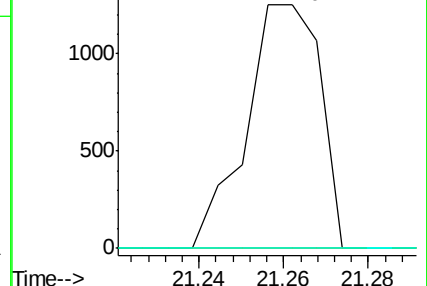
229 0.0 15.3 22.9#



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: 0.02 ng/ul

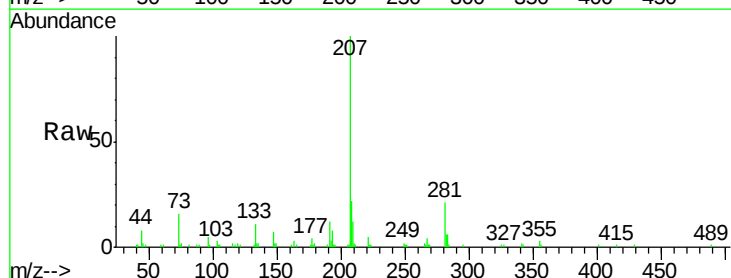
RT: 22.04 min Scan# 3291

Delta R.T. -0.01 min

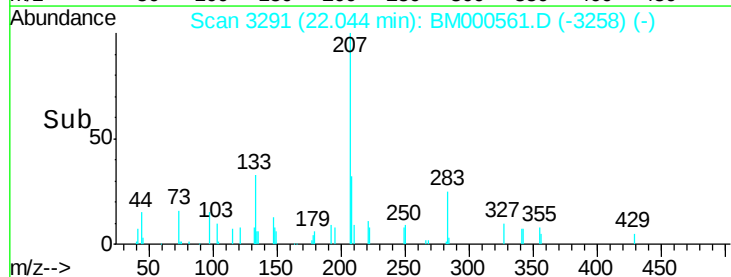
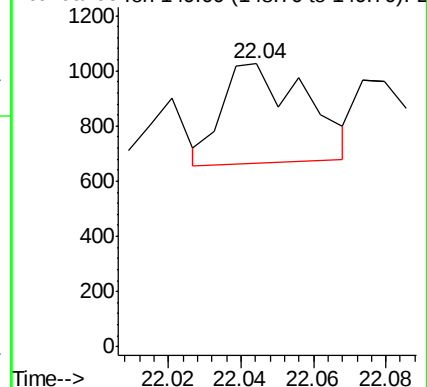
Lab File: BM000561.D

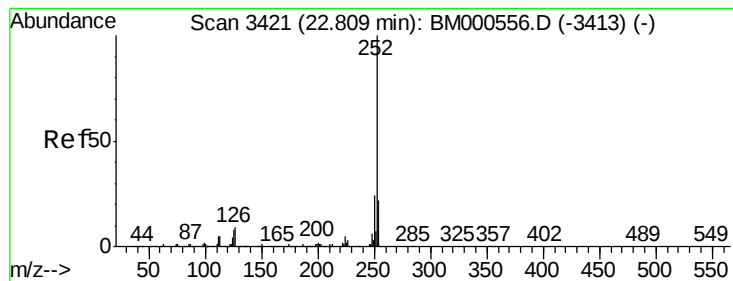
Acq: 20 Feb 2015 15:33

Tgt Ion:149 Resp: 578



Abundance Ion 149.00 (148.70 to 149.70): E





#85

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.81 min Scan# 3421

Delta R.T. -0.00 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

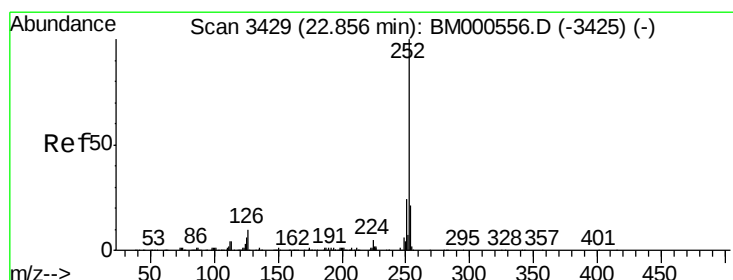
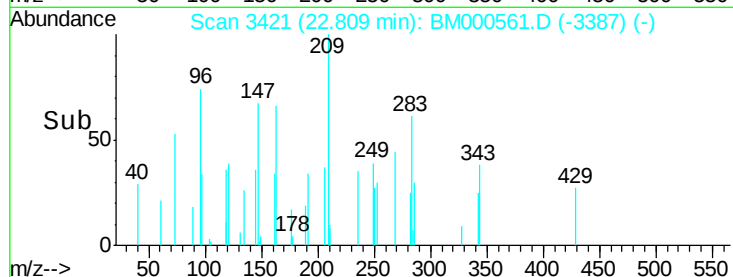
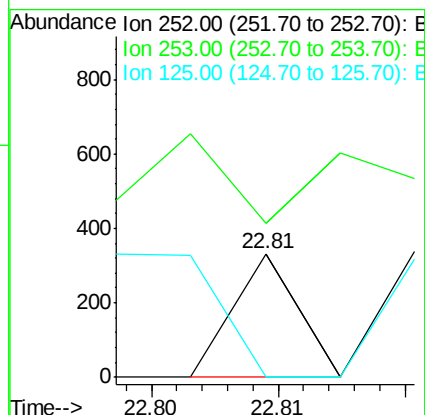
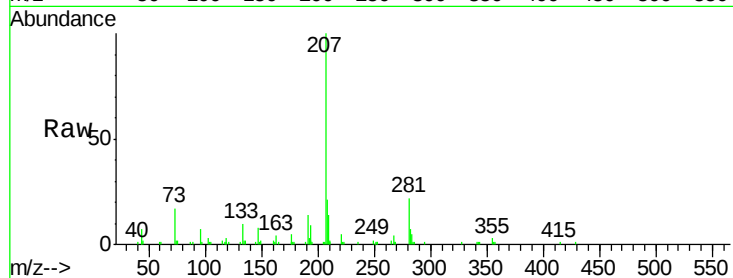
Instrument :

BNA_M

ClientSampleId :

MDL-02-W

Tgt Ion:	252	Resp:	117
Ion Ratio	Lower	Upper	
252	100		
253	124.7	17.4	26.0#
125	0.0	6.2	9.2#



#86

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

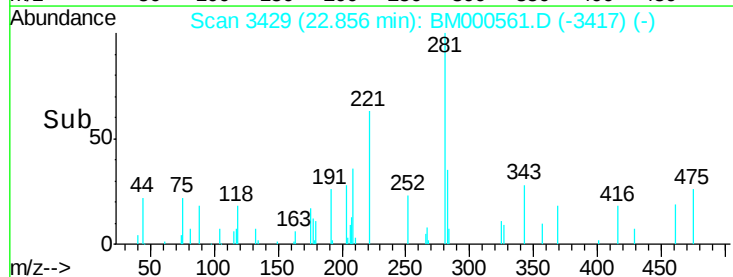
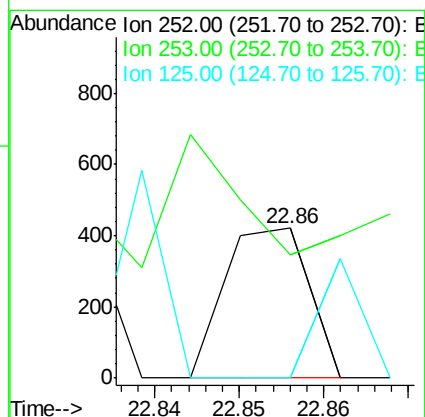
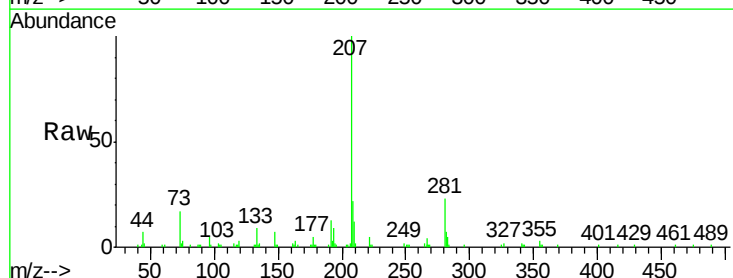
RT: 22.86 min Scan# 3429

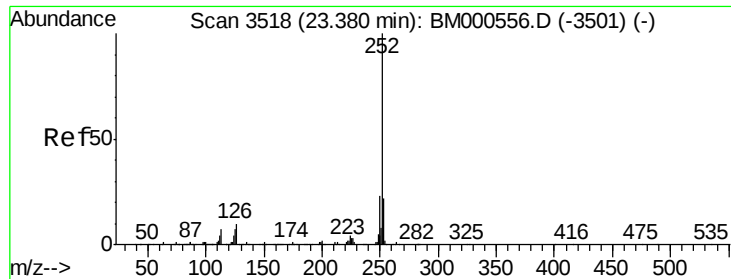
Delta R.T. -0.00 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Tgt Ion:	252	Resp:	289
Ion Ratio	Lower	Upper	
252	100		
253	82.2	17.1	25.7#
125	0.0	5.3	7.9#





#88

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.40 min Scan# 3521

Delta R.T. 0.02 min

Lab File: BM000561.D

Acq: 20 Feb 2015 15:33

Instrument :

BNA_M

ClientSampleId :

MDL-02-W

Tgt Ion:252 Resp: 125

Ion Ratio Lower Upper

252 100

253 193.8 17.5 26.3#

125 0.0 5.4 8.0#

