

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
 Data File : BM004259.D
 Acq On : 15 Feb 2016 14:08
 Operator : SJ/UM
 Sample : H1416-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9QB9

Quant Time: Feb 16 09:46:06 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 16 00:58:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	29300	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	135734	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	82942	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	189867	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	181593	20.00	ng/ul	0.00
86) Perylene-d12	23.50	264	151339	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	3929	6.76	ng/uL	0.00
5) Phenol-d5	6.83	99	90926	38.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	47966	37.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	81861	39.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	81260	40.53	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	41420	39.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	47509	40.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	84141	39.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	9022	3.60	ng/ul	0.01
44) Dimethylphthalate-d6	13.72	166	279406	40.48	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	335117	39.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	50512	45.24	ng/ul	0.00
58) Fluorene-d10	15.30	176	235950	40.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	41423	35.83	ng/ul	0.00
71) Anthracene-d10	17.16	188	365715	39.40	ng/ul	0.00
79) Pyrene-d10	19.47	212	397913	41.28	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.36	264	319385	39.55	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.79	77	3661	2.70	ng/ul 100
10) 2-Chlorophenol	7.21	128	92527	42.65	ng/ul 98
12) 2,2'-oxybis(1-Chloropropan	8.18	45	110133	59.03	ng/ul 98
14) Acetophenone	8.47	105	141660	44.34	ng/ul 97
17) Hexachloroethane	8.71	117	17282	20.00	ng/ul 95
20) Nitrobenzene	8.85	77	146474	61.66	ng/ul 96
23) 2-Nitrophenol	9.56	139	70555	53.82	ng/ul 95
27) 2,4-Dichlorophenol	10.09	162	59778	27.32	ng/ul 99
28) Naphthalene	10.48	128	128982	17.09	ng/ul 99
33) 4-Chloro-3-methylphenol	11.75	107	132480	54.59	ng/ul 99
37) 1,2,4,5-Tetrachlorobenzene	12.49	216	60072	20.69	ng/ul 99
39) 2,4,6-Trichlorophenol	12.73	196	64983	35.40	ng/ul 99
41) 1,1'-Biphenyl	13.13	154	304459	41.06	ng/ul 99
43) 2-Nitroaniline	13.39	65	52552	38.22	ng/ul 96
46) 2,6-Dinitrotoluene	13.90	165	69028	48.53	ng/ul 96
48) Acenaphthylene	14.03	152	493512	53.89	ng/ul 99
50) Acenaphthene	14.37	153	29907	4.82	ng/ul 98
53) 4-Nitrophenol	14.56	109	67476	75.56	ng/ul 96
54) Dibenzofuran	14.71	168	187401	21.86	ng/ul 99
55) 2,4-Dinitrotoluene	14.69	165	119602	58.50	ng/ul 97
57) Diethylphthalate	15.14	149	381390	52.65	ng/ul 100
59) Fluorene	15.36	166	64570	9.35	ng/ul 98
65) N-Nitrosodiphenylamine	15.57	169	322821	50.39	ng/ul 99

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Response via : Initial Calibration

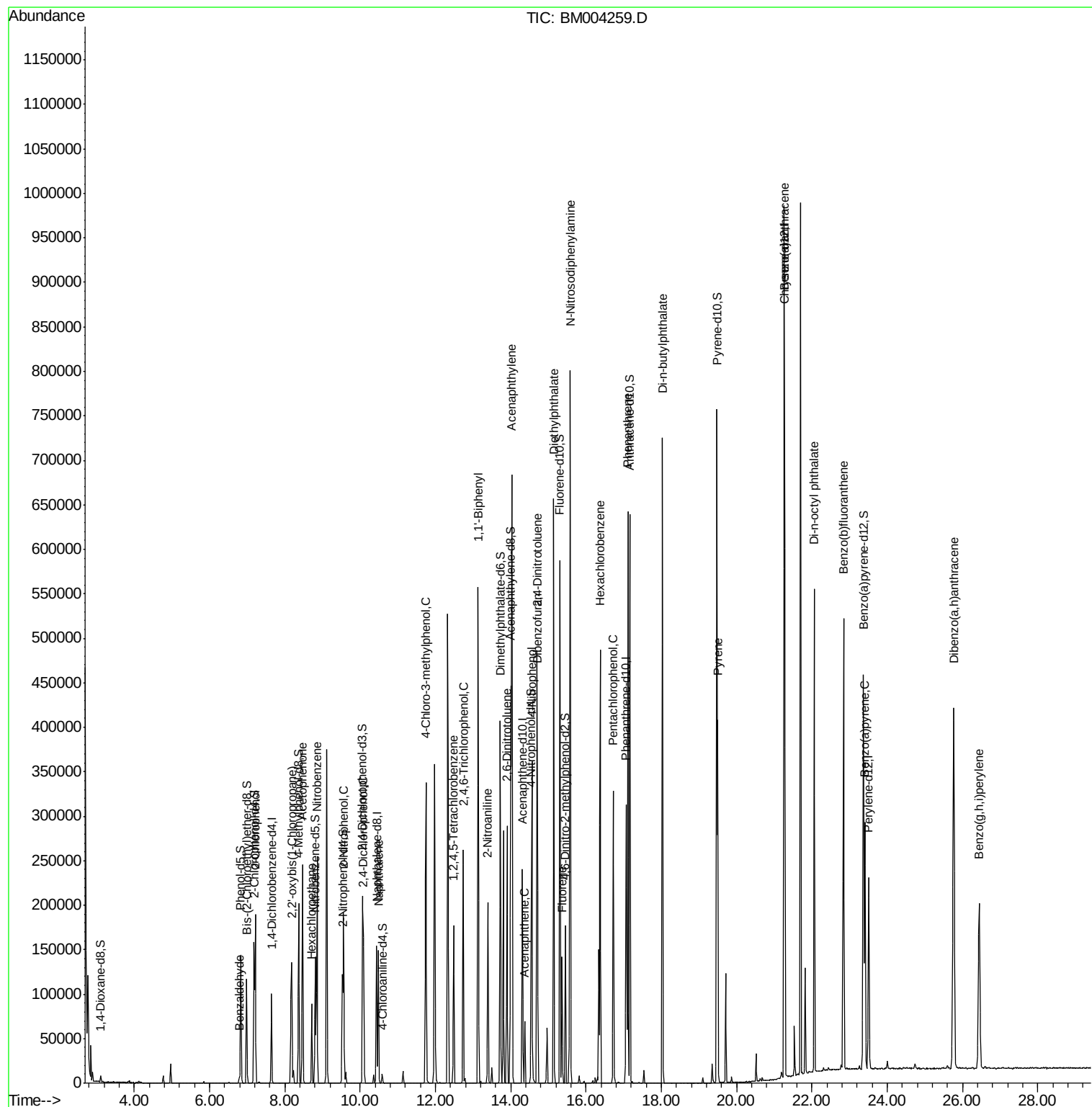
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Hexachlorobenzene	16.37	284	103210	41.75	ng/ul	92
69) Pentachlorophenol	16.72	266	58963	51.51	ng/ul	98
70) Phenanthrene	17.10	178	385302	33.55	ng/ul	99
76) Di-n-butylphthalate	18.03	149	576133	45.40	ng/ul	100
80) Pyrene	19.50	202	233456	17.78	ng/ul	99
83) Benzo(a)anthracene	21.26	228	496618	42.48	ng/ul	99
87) Di-n-octyl phthalate	22.06	149	411632	35.66	ng/ul#	97
88) Benzo(b)fluoranthene	22.84	252	345831	34.54	ng/ul	99
91) Benzo(a)pyrene	23.41	252	198977	20.90	ng/ul	99
93) Dibenzo(a,h)anthracene	25.76	278	438439	48.43	ng/ul	99
94) Benzo(a,h,i)perylene	26.44	276	230395	25.30	ng/ul	99

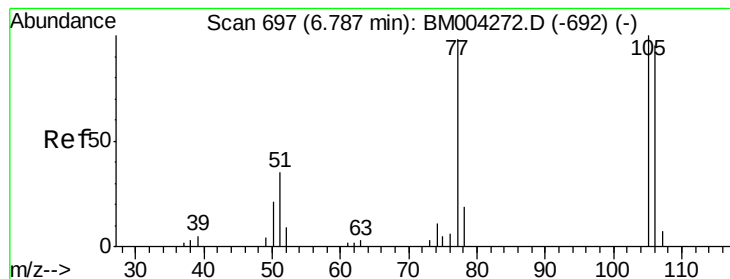
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.70 ng/ul

RT: 6.79 min Scan# 698

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Instrument :

BNA_M

ClientSampleId :

D9QB9

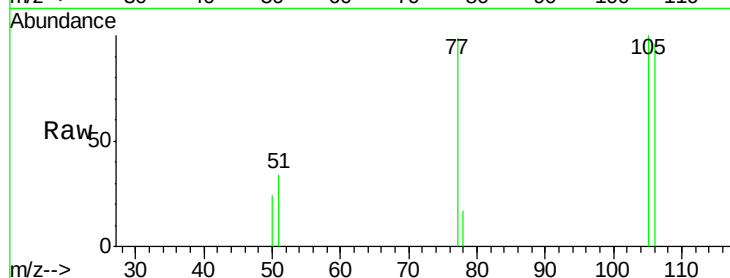
Tot Ion: 77 Resp: 3661

Ion Ratio Lower Upper

77 100

105 101.3 80.6 120.8

106 96.8 77.7 116.5

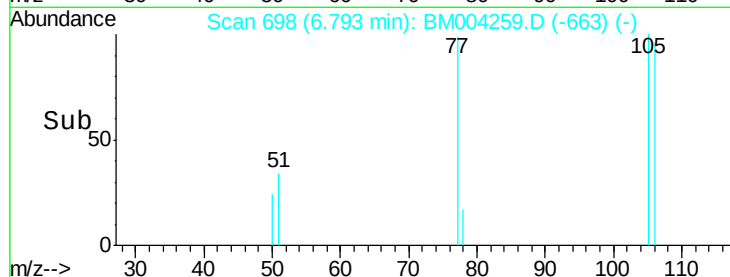


Abundance Ion 77.00 (76.70 to 77.70): BM004272.D (-692) (-)

Ion 105.00 (104.70 to 105.70): BM004272.D (-692) (-)

Ion 106.00 (105.70 to 106.70): BM004272.D (-692) (-)

Time-->

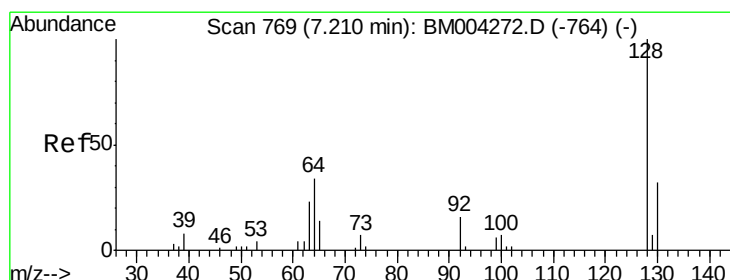


Abundance Ion 77.00 (76.70 to 77.70): BM004259.D (-663) (-)

Ion 105.00 (104.70 to 105.70): BM004259.D (-663) (-)

Ion 106.00 (105.70 to 106.70): BM004259.D (-663) (-)

Time-->



#10

2-Chlorophenol

Concen: 42.65 ng/ul

RT: 7.21 min Scan# 769

Delta R.T. -0.00 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

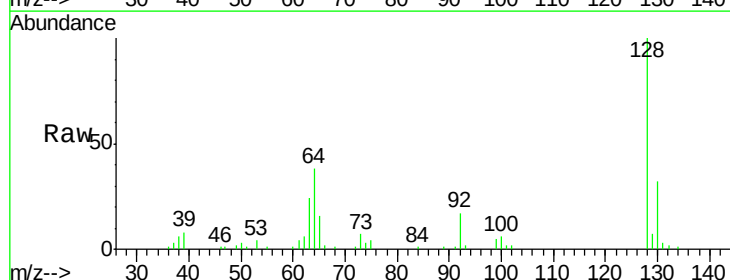
Tgt Ion: 128 Resp: 92527

Ion Ratio Lower Upper

128 100

64 38.1 31.9 47.9

130 32.4 25.6 38.4

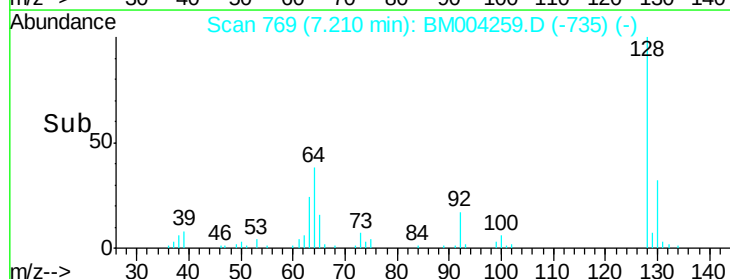


Abundance Ion 128.00 (127.70 to 128.70): BM004272.D (-764) (-)

Ion 64.00 (63.70 to 64.70): BM004272.D (-764) (-)

Ion 130.00 (129.70 to 130.70): BM004272.D (-764) (-)

Time-->

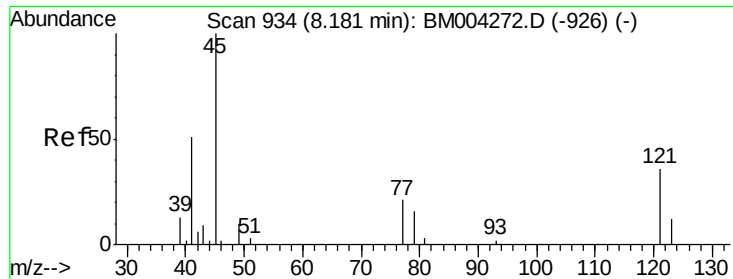


Abundance Ion 128.00 (127.70 to 128.70): BM004259.D (-735) (-)

Ion 64.00 (63.70 to 64.70): BM004259.D (-735) (-)

Ion 130.00 (129.70 to 130.70): BM004259.D (-735) (-)

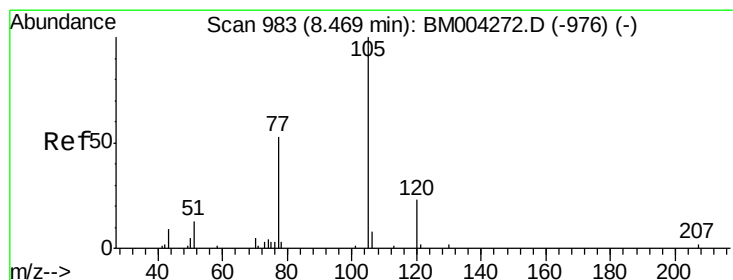
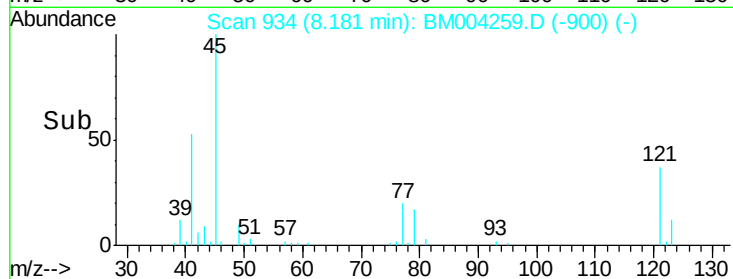
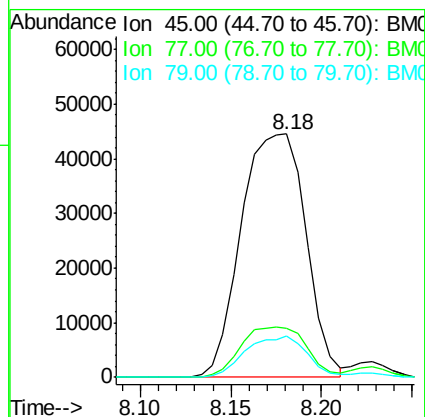
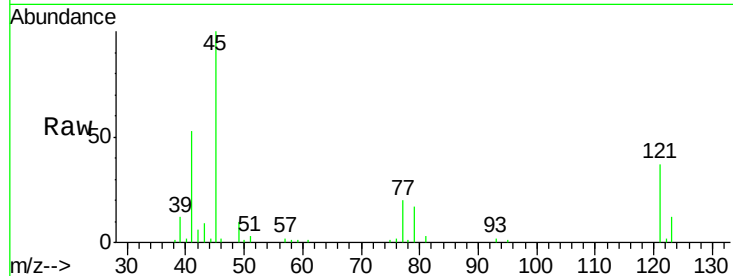
Time-->



#12
2,2'-oxvbis(1-Chloropropane)
Concen: 59.03 ng/ul
RT: 8.18 min Scan# 934
Delta R.T. -0.00 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

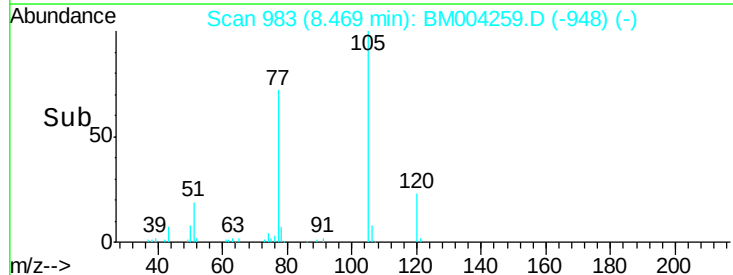
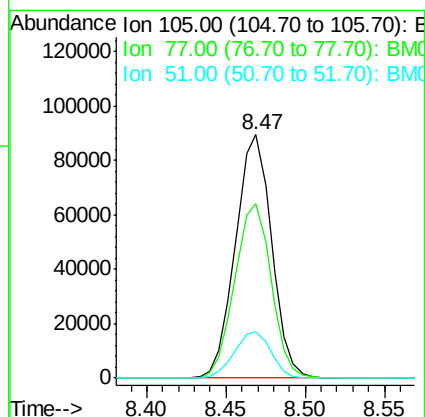
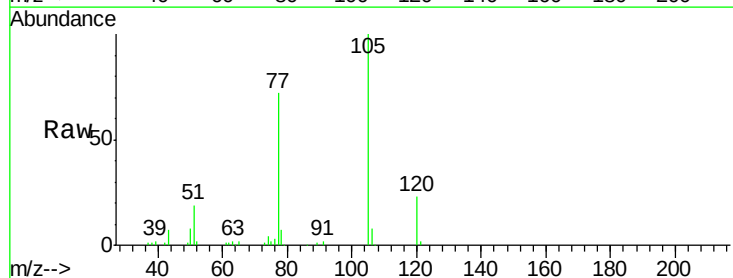
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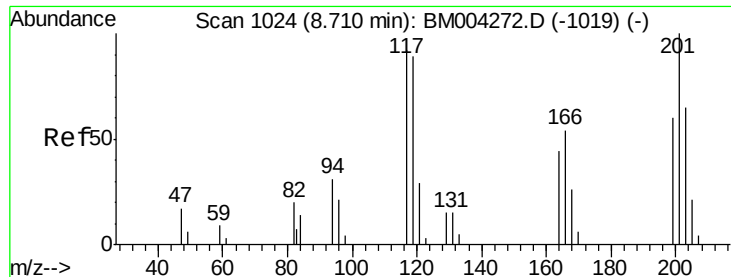
Tot Ion: 45 Resp: 110133
Ion Ratio Lower Upper
45 100
77 20.2 15.9 23.9
79 16.8 12.5 18.7



#14
Acetophenone
Concen: 44.34 ng/ul
RT: 8.47 min Scan# 983
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

Tgt Ion: 105 Resp: 141660
Ion Ratio Lower Upper
105 100
77 71.6 59.0 88.4
51 18.9 16.4 24.6

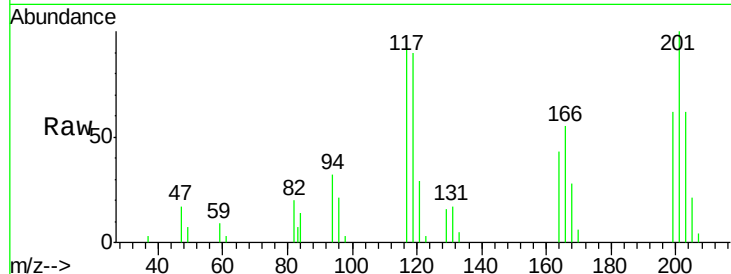




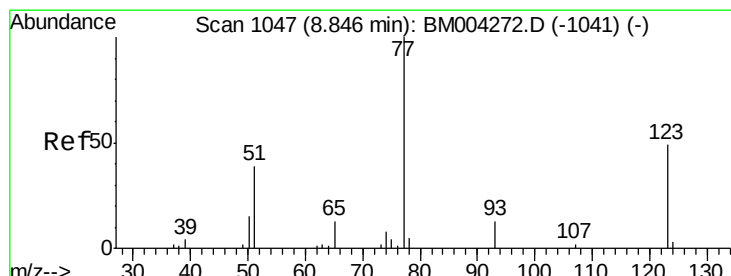
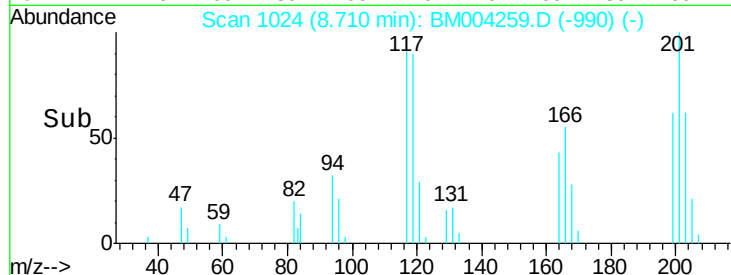
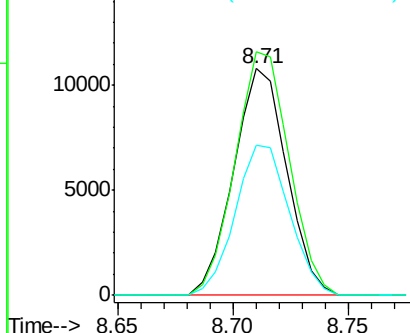
#17
 Hexachloroethane
 Concen: 20.00 ng/ul
 RT: 8.71 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Instrument :
 BNA_M
 ClientSampleId :
 D9QB9

Tot Ion: 117 Resp: 17282
 Ion Ratio Lower Upper
 117 100
 201 107.4 81.5 122.3
 199 66.4 50.6 76.0

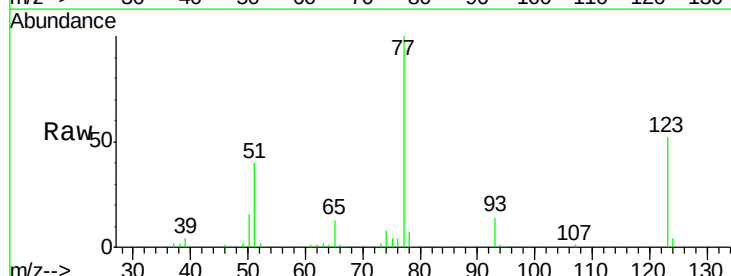


Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 201.00 (200.70 to 201.70): E
 Ion 199.00 (198.70 to 199.70): E

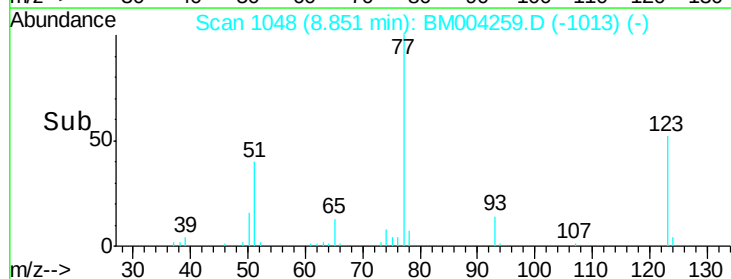
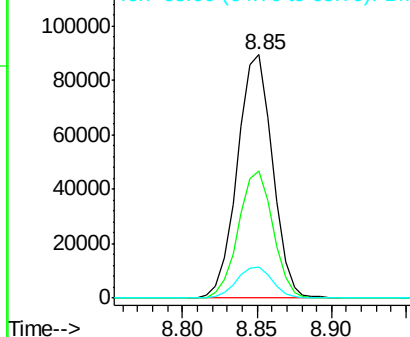


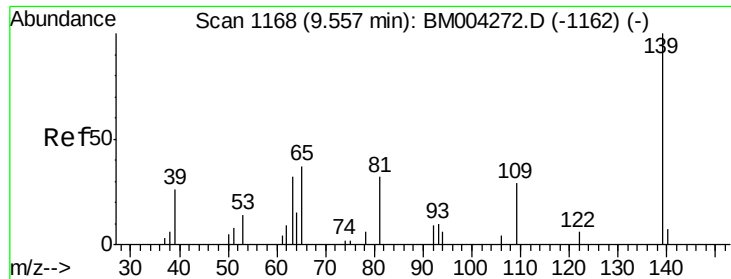
#20
 Nitrobenzene
 Concen: 61.66 ng/ul
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Tgt Ion: 77 Resp: 146474
 Ion Ratio Lower Upper
 77 100
 123 52.1 39.0 58.4
 65 12.9 10.4 15.6



Abundance Ion 77.00 (76.70 to 77.70): BM
 Ion 123.00 (122.70 to 123.70): E
 Ion 65.00 (64.70 to 65.70): BM

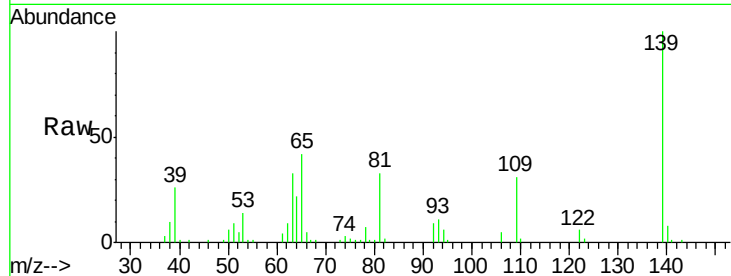




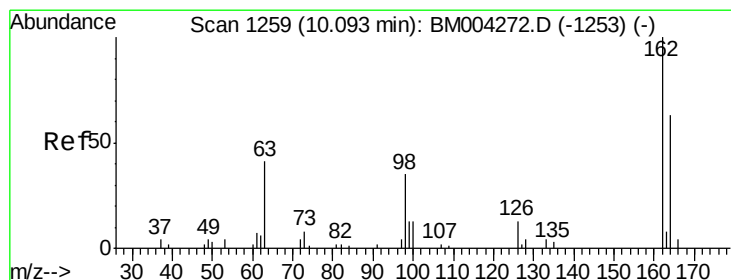
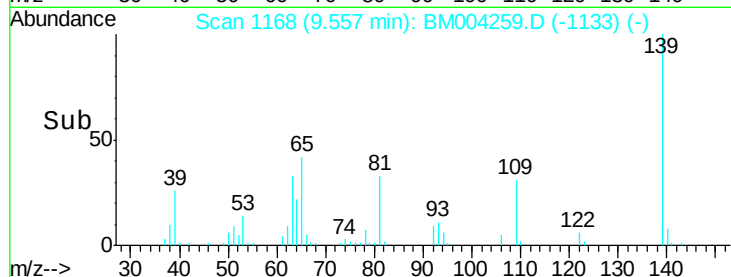
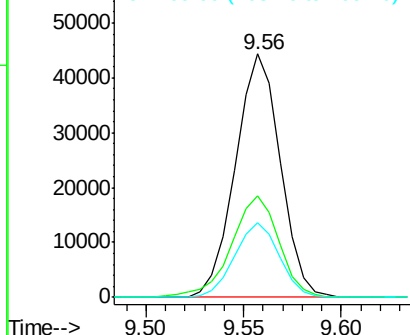
#23
 2-Nitrophenol
 Concen: 53.82 ng/ul
 RT: 9.56 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Instrument :
 BNA_M
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Tot Ion	Ratio	Lower	Upper
139	100		
65	41.7	36.3	54.5
109	30.6	26.4	39.6

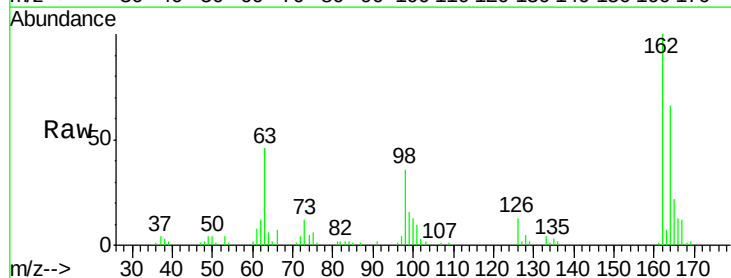


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 65.00 (64.70 to 65.70): BM
 Ion 109.00 (108.70 to 109.70): E

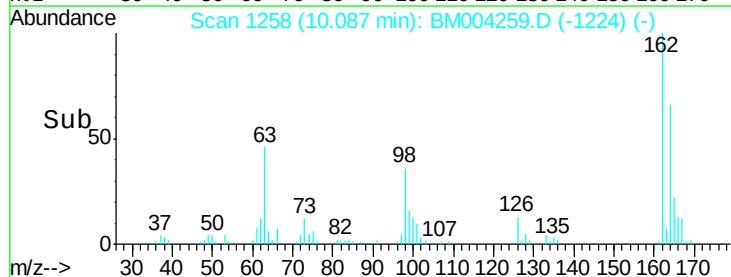
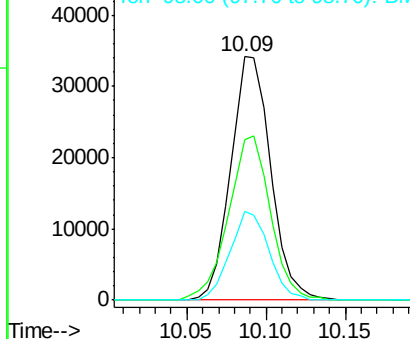


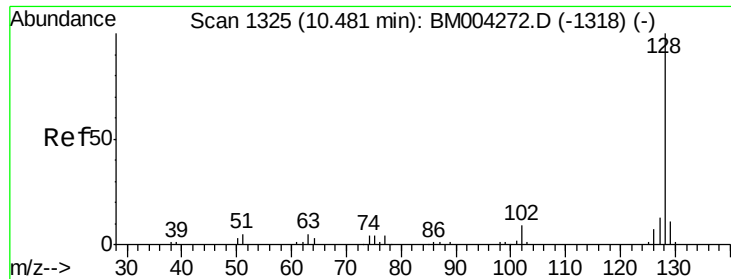
#27
 2,4-Dichlorophenol
 Concen: 27.32 ng/ul
 RT: 10.09 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.0	52.1	78.1
98	36.2	28.4	42.6



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM

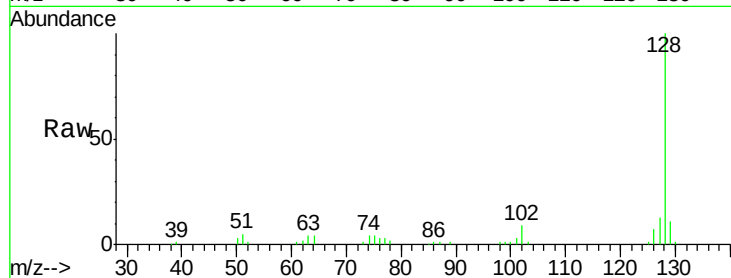




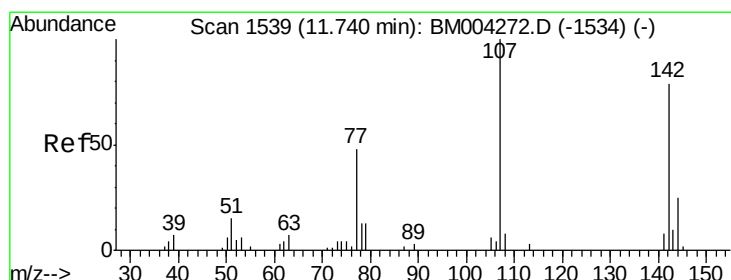
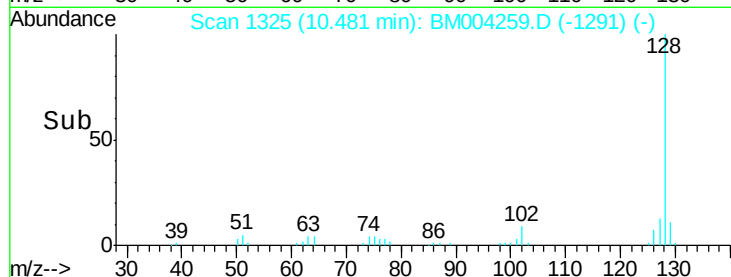
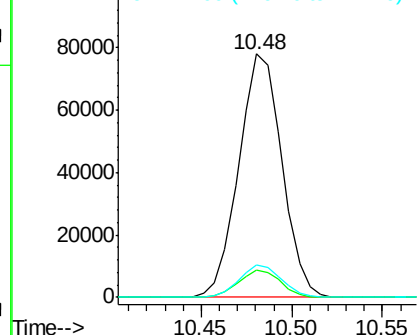
#28
Naphthalene
Concen: 17.09 ng/ul
RT: 10.48 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

Instrument :
BNA_M
ClientSampleId :
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Tot Ion:128 Resp: 128982
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.4 10.5 15.7

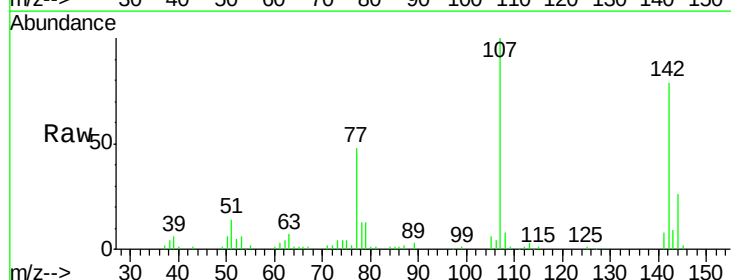


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

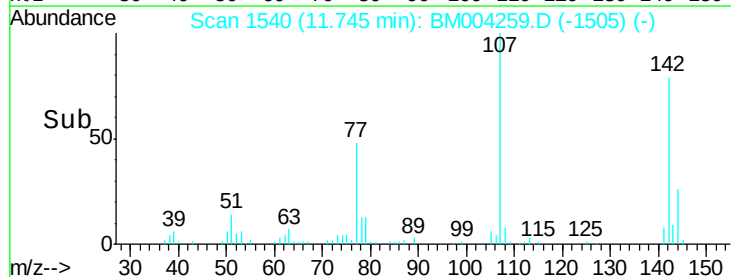
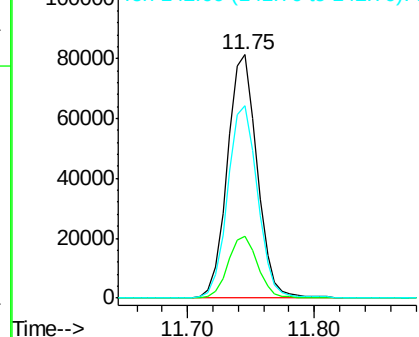


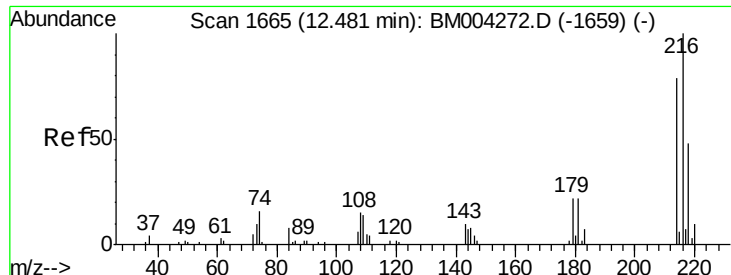
#33
4-Chloro-3-methylphenol
Concen: 54.59 ng/ul
RT: 11.75 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

Tgt Ion:107 Resp: 132480
Ion Ratio Lower Upper
107 100
144 25.6 20.4 30.6
142 79.2 62.5 93.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

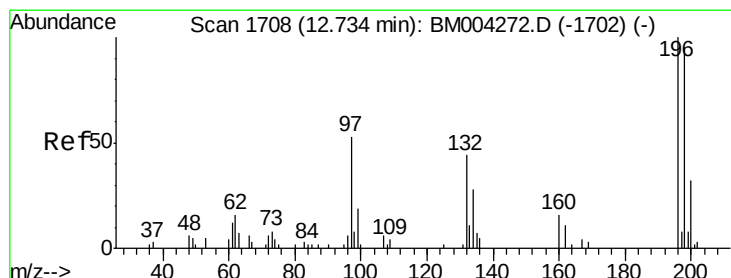
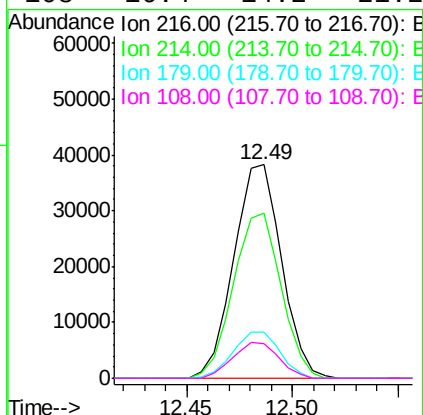
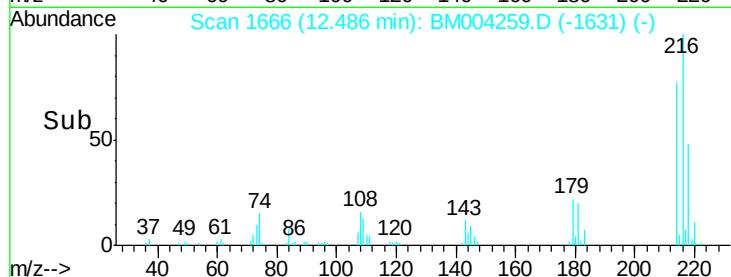
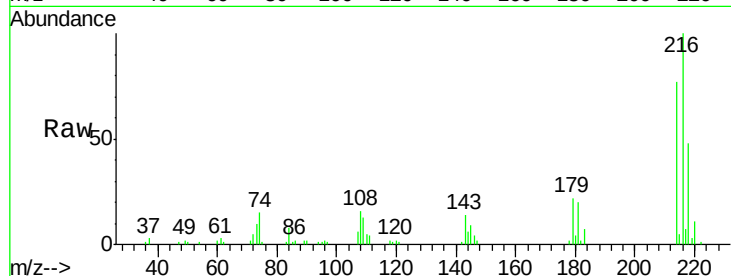




#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.69 ng/ul
 RT: 12.49 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

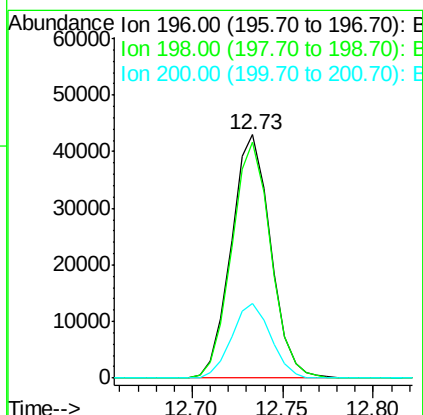
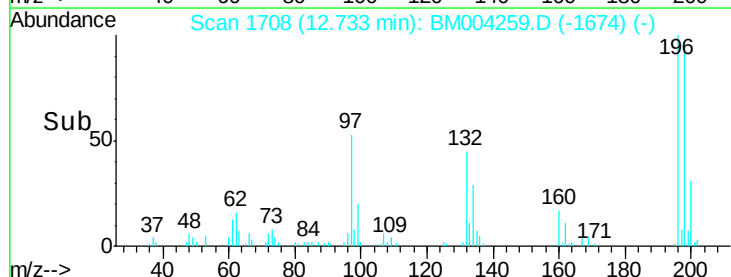
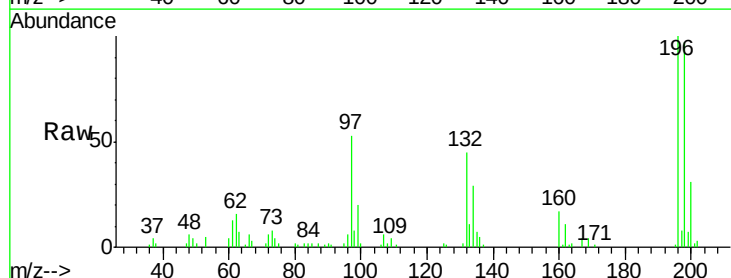
Instrument :
 BNA_M
 ClientSampleId :
 D9QB9

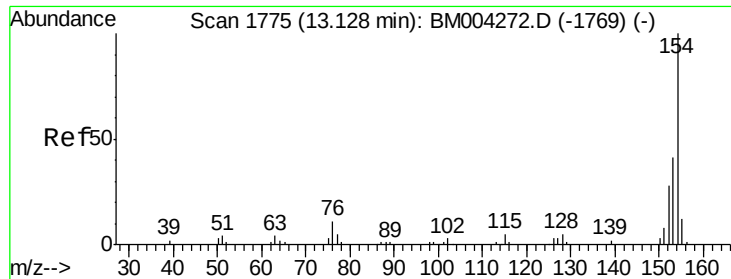
Tot Ion:216	Resp:	60072
Ion Ratio	Lower	Upper
216	100	
214	77.3	62.5 93.7
179	21.6	18.2 27.2
108	16.4	14.2 21.2



#39
 2,4,6-Trichlorophenol
 Concen: 35.40 ng/ul
 RT: 12.73 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Tgt Ion:196	Resp:	64983
Ion Ratio	Lower	Upper
196	100	
198	97.1	76.6 114.8
200	30.6	24.7 37.1





#41

1,1'-Biphenyl

Concen: 41.06 ng/ul

RT: 13.13 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Instrument :

BNA_M

ClientSampled :

D9QB9

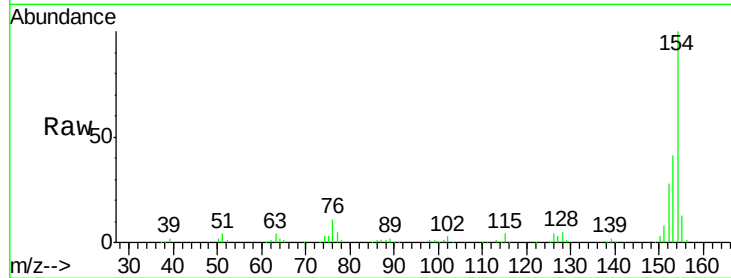
Tot Ion:154 Resp: 304459

Ion Ratio Lower Upper

154 100

153 40.7 32.1 48.1

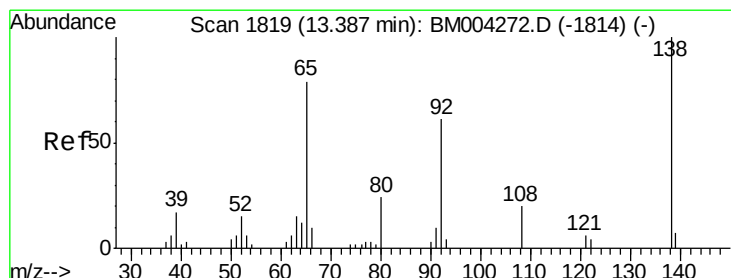
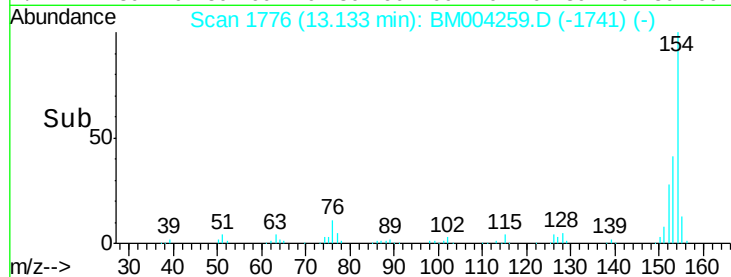
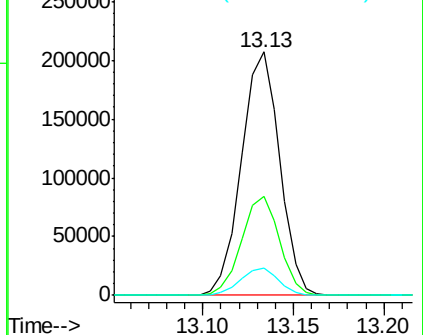
76 11.1 9.5 14.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#43

2-Nitroaniline

Concen: 38.22 ng/ul

RT: 13.39 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

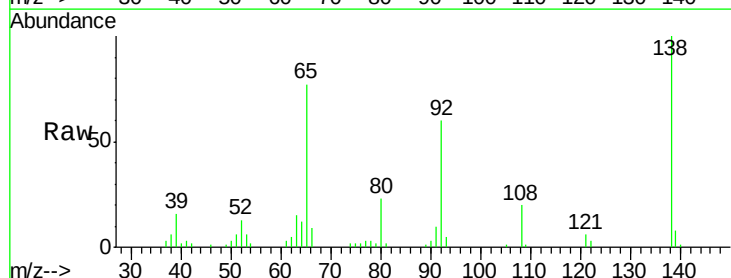
Tgt Ion: 65 Resp: 52552

Ion Ratio Lower Upper

65 100

92 78.0 60.4 90.6

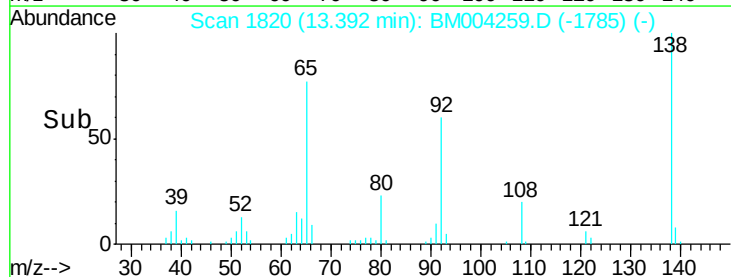
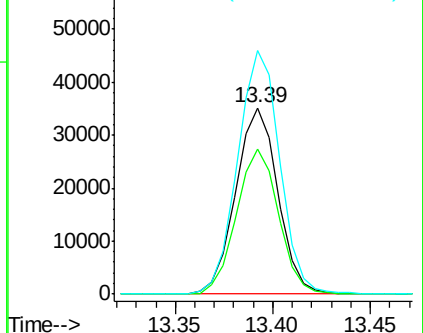
138 130.5 99.8 149.6

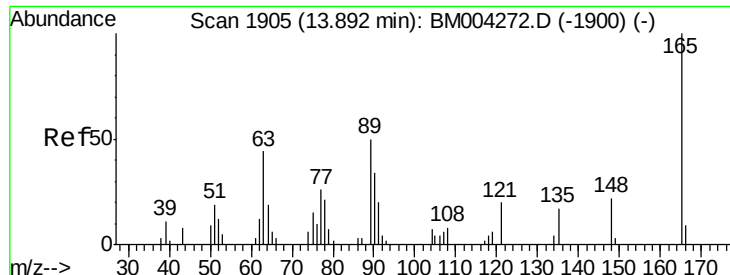


Abundance Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM

Ion 138.00 (137.70 to 138.70): E

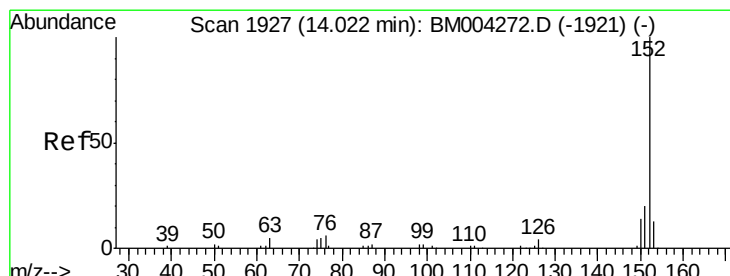
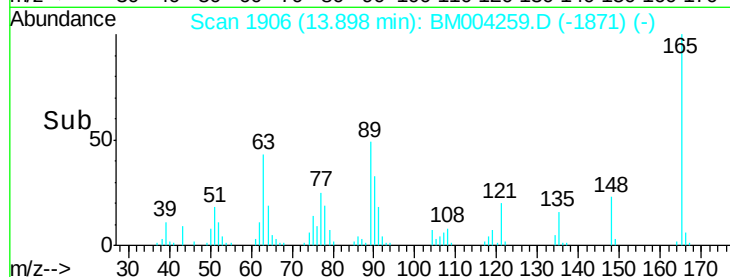
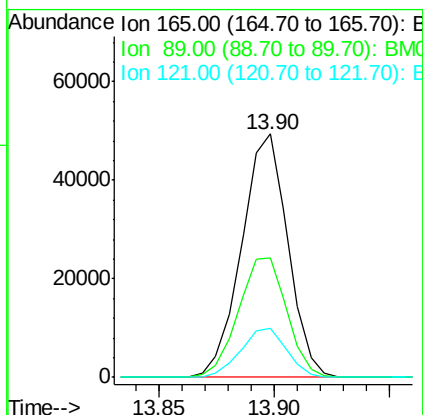
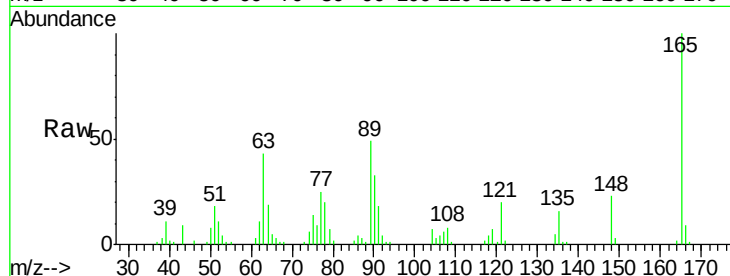




#46
 2,6-Dinitrotoluene
 Concen: 48.53 ng/ul
 RT: 13.90 min Scan# 1906
 Delta R.T. 0.01 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

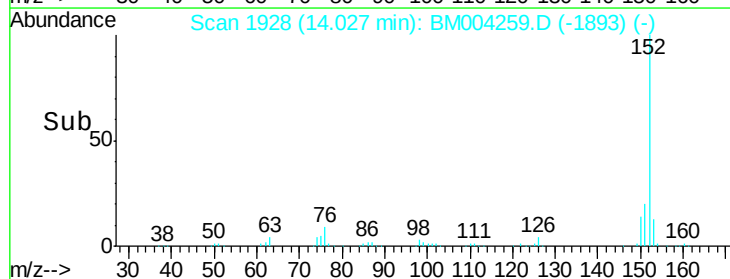
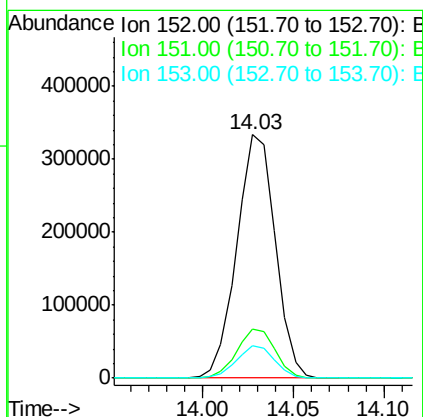
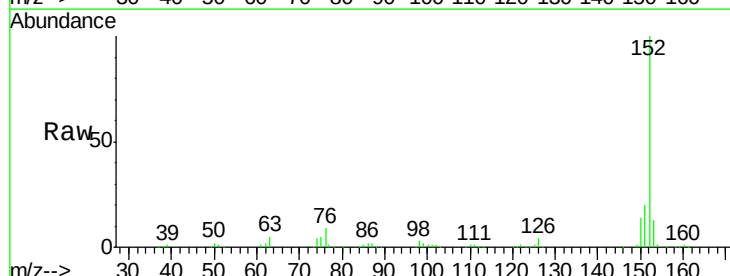
Instrument :
 BNA_M
 ClientSampleId :
 D9QB9

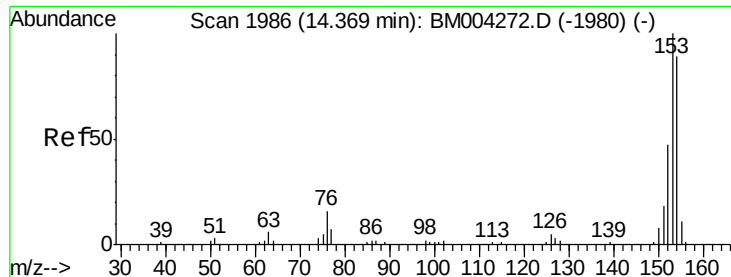
Tot Ion	Ratio	Lower	Upper
165	100		
89	49.2	42.4	63.6
121	20.1	16.6	24.8



#48
 Acenaphthylene
 Concen: 53.89 ng/ul
 RT: 14.03 min Scan# 1928
 Delta R.T. 0.01 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.3	10.5	15.7





#50

Acenaphthene

Concen: 4.82 ng/ul

RT: 14.37 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Instrument :

BNA_M

ClientSampleId :

D9QB9

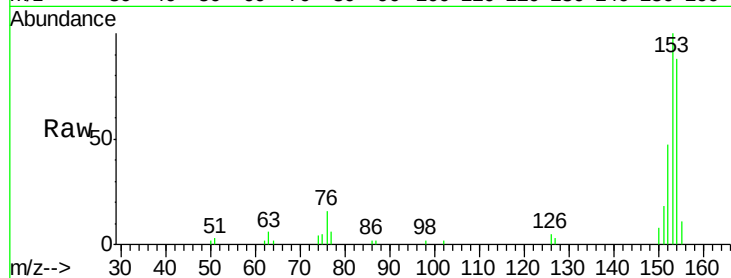
Tot Ion:153 Resp: 29907

Ion Ratio Lower Upper

153 100

152 47.1 38.3 57.5

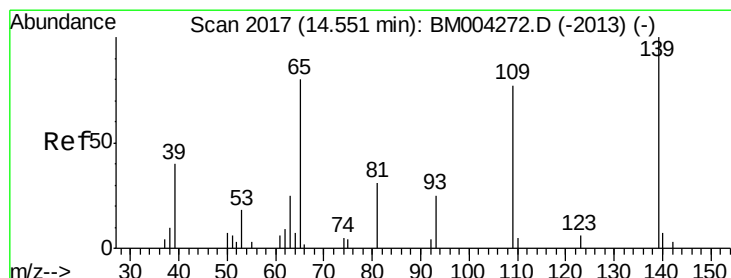
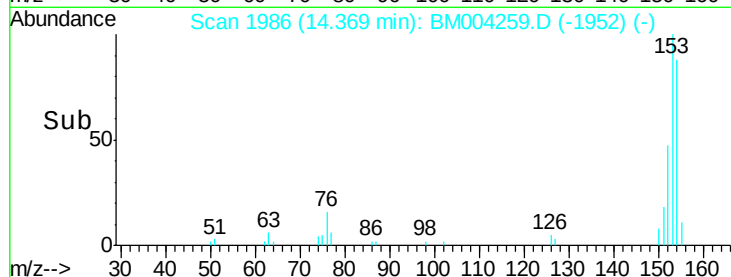
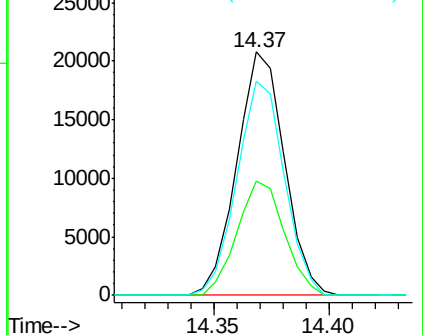
154 88.0 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 75.56 ng/ul

RT: 14.56 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

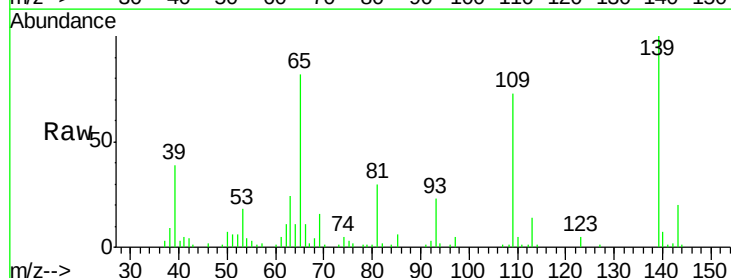
Tgt Ion:109 Resp: 67476

Ion Ratio Lower Upper

109 100

139 137.6 103.7 155.5

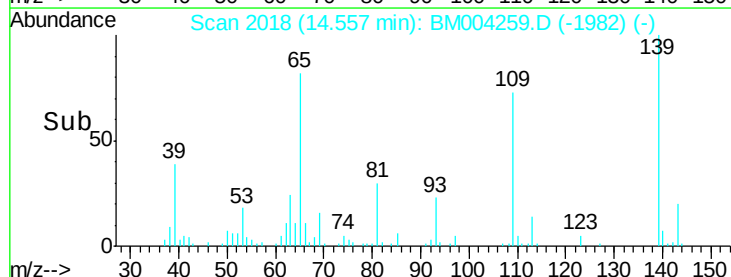
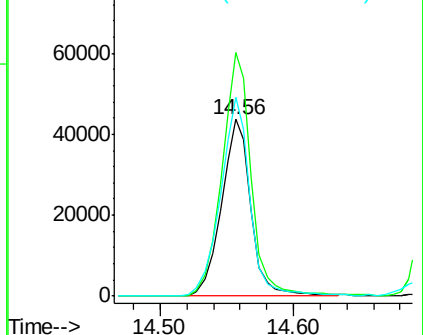
65 112.2 89.4 134.2

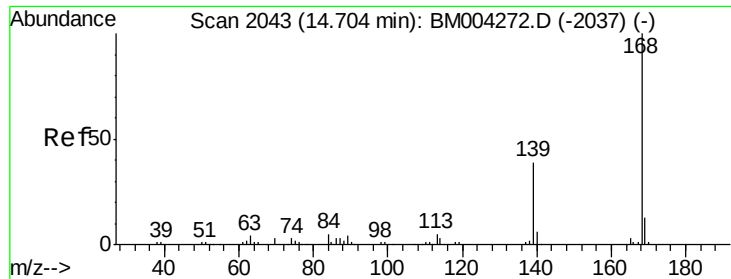


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#54

Dibenzofuran

Concen: 21.86 ng/ul

RT: 14.71 min Scan# 2044

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Instrument :

BNA_M

ClientSampled :

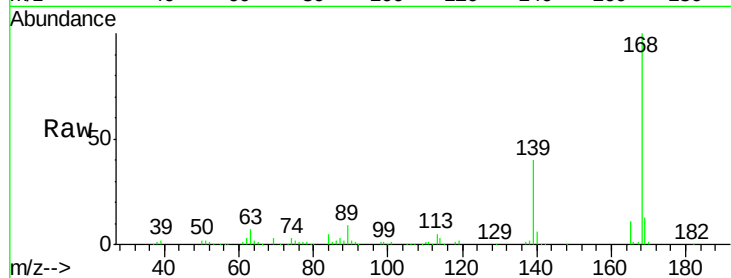
D9QB9

Tot Ion:168 Resp: 187401

Ion Ratio Lower Upper

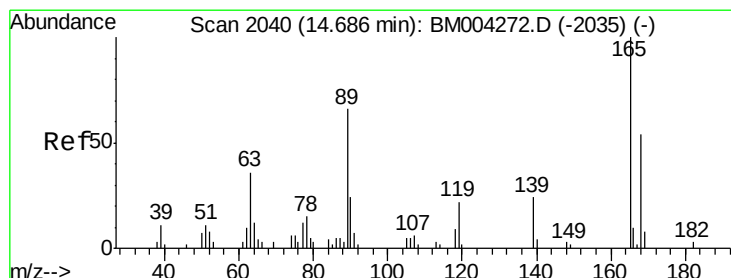
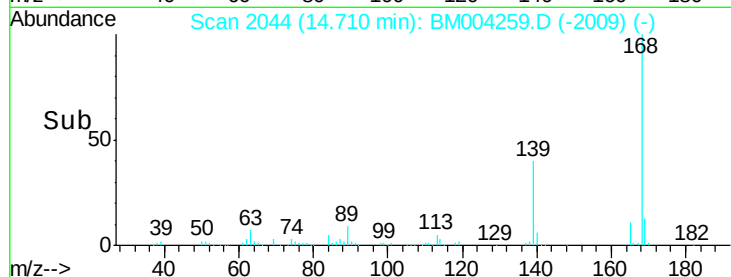
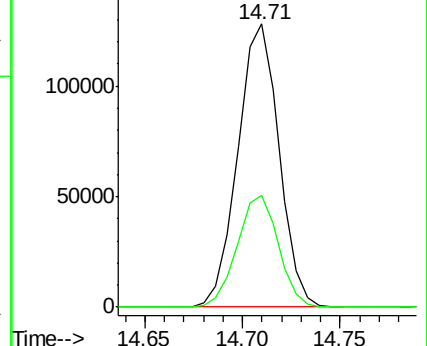
168 100

139 39.6 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 58.50 ng/ul

RT: 14.69 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

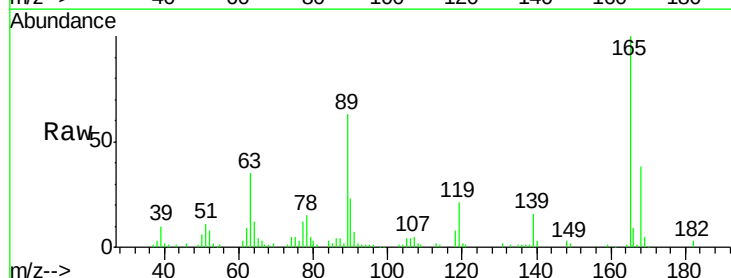
Tgt Ion:165 Resp: 119602

Ion Ratio Lower Upper

165 100

63 35.2 29.8 44.6

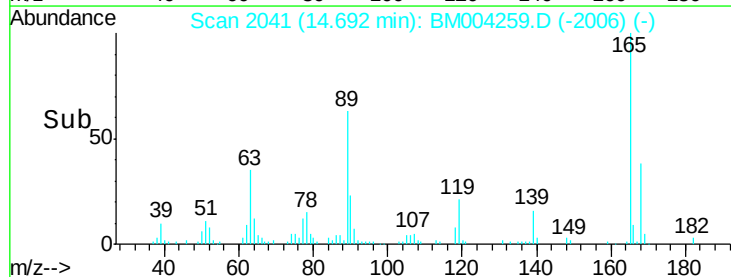
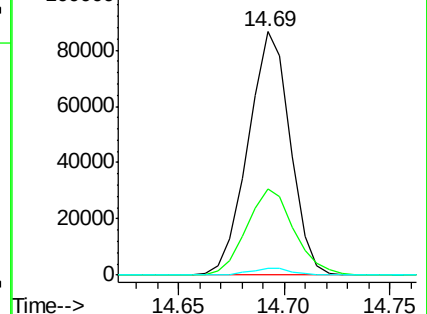
182 3.0 2.2 3.4

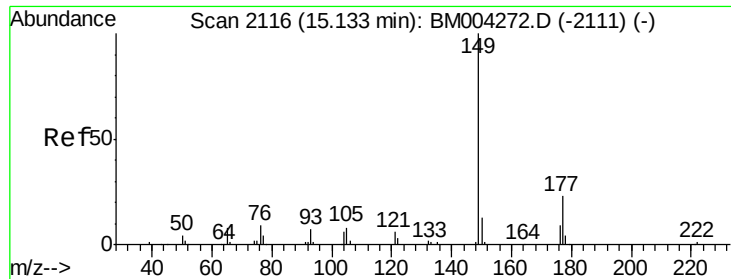


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

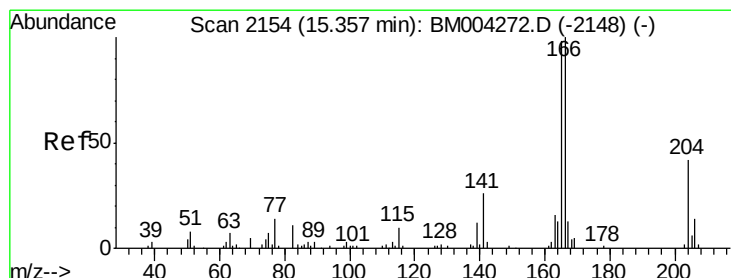
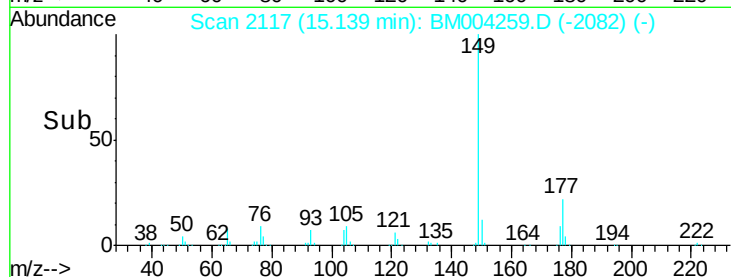
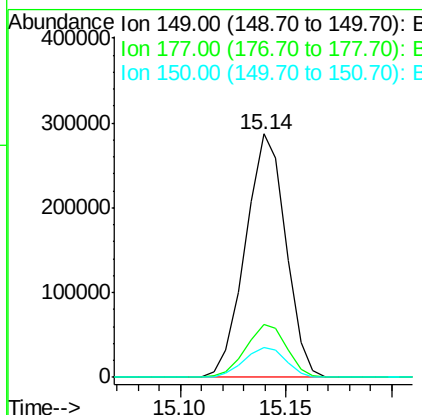
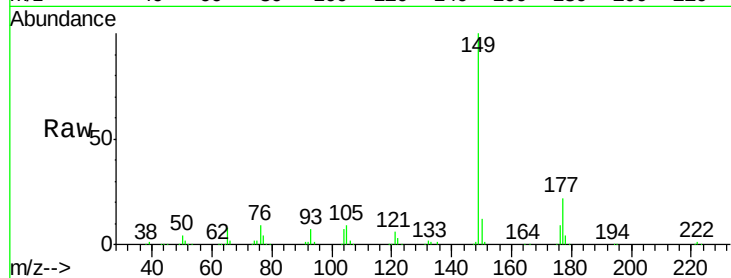




#57
Diethylphthalate
Concen: 52.65 ng/ul
RT: 15.14 min Scan# 2117
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

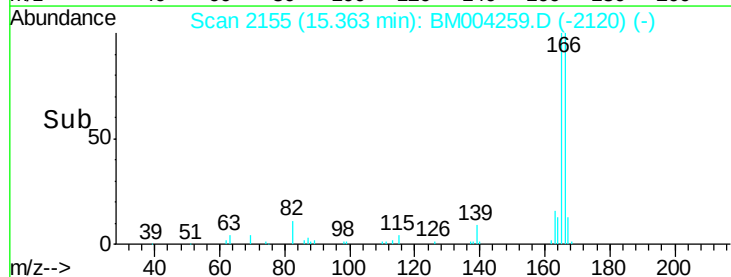
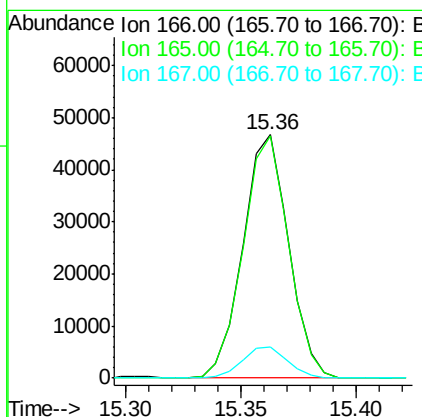
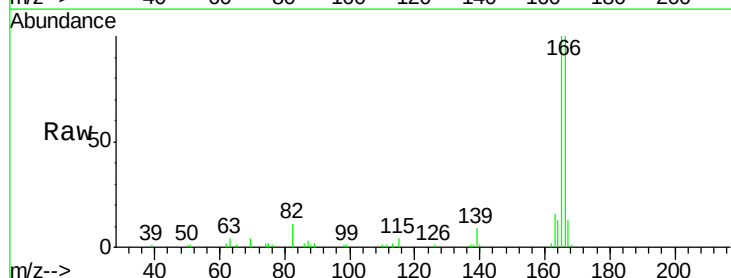
Instrument :
BNA_M
ClientSampleId :
D9QB9

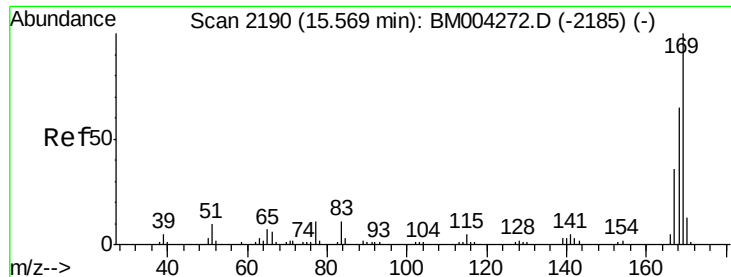
Tot Ion:149 Resp: 381390
Ion Ratio Lower Upper
149 100
177 21.8 17.4 26.2
150 12.4 10.0 15.0



#59
Fluorene
Concen: 9.35 ng/ul
RT: 15.36 min Scan# 2155
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

Tgt Ion:166 Resp: 64570
Ion Ratio Lower Upper
166 100
165 99.6 78.5 117.7
167 12.8 10.7 16.1

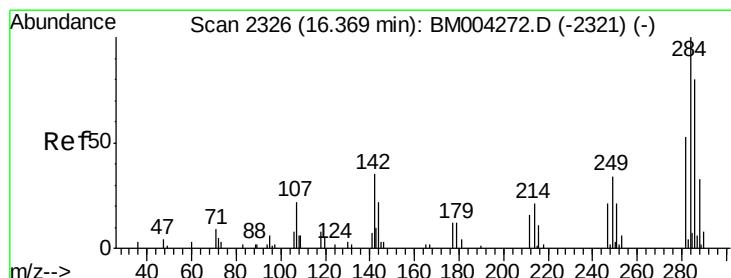
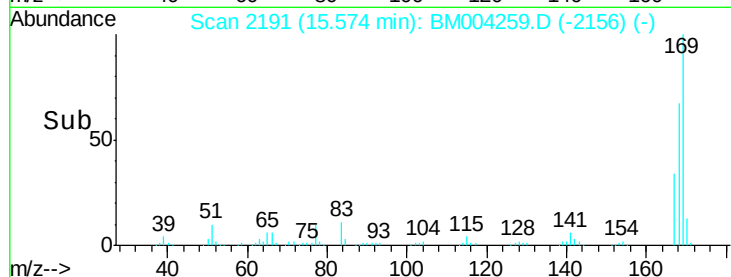
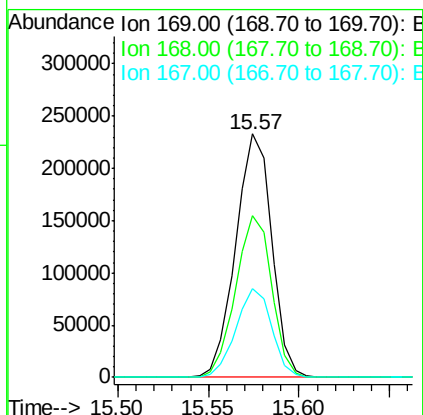
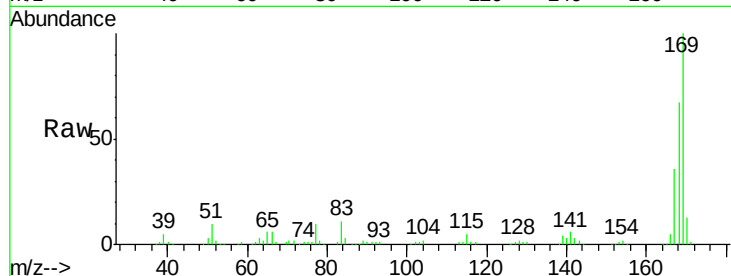




#65
N-Nitrosodiphenylamine
Concen: 50.39 ng/ul
RT: 15.57 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

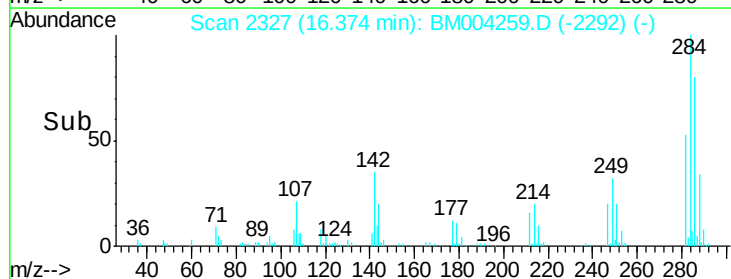
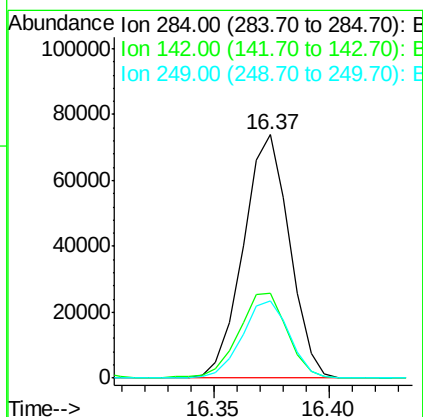
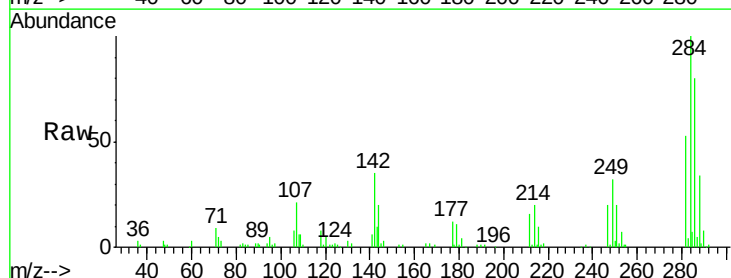
Instrument :
BNA_M
ClientSampleId :
D9QB9

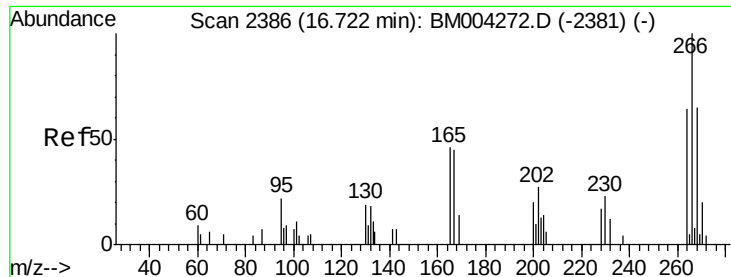
Tot Ion:169 Resp: 322821
Ion Ratio Lower Upper
169 100
168 66.6 53.8 80.8
167 36.2 29.3 43.9



#67
Hexachlorobenzene
Concen: 41.75 ng/ul
RT: 16.37 min Scan# 2327
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

Tgt Ion:284 Resp: 103210
Ion Ratio Lower Upper
284 100
142 34.6 33.1 49.7
249 31.7 27.1 40.7

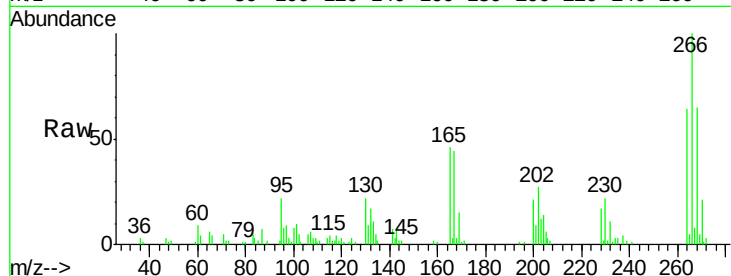




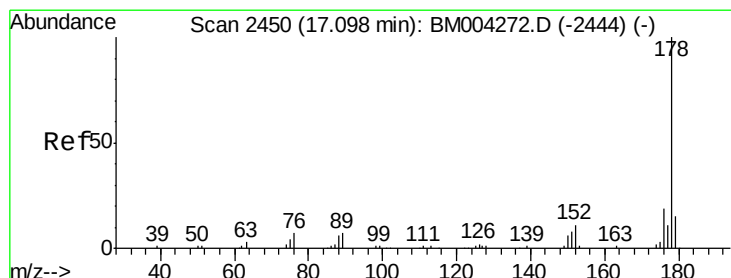
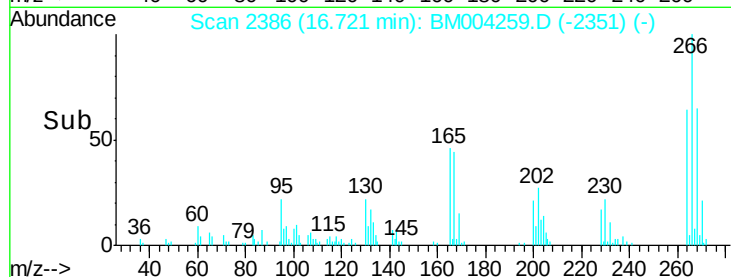
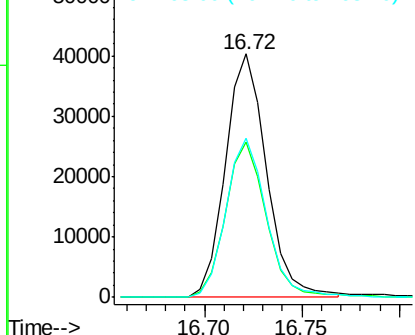
#69
 Pentachlorophenol
 Concen: 51.51 ng/ul
 RT: 16.72 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Instrument :
 BNA_M
 ClientSampleId :
 D9QB9

Tot Ion:266 Resp: 58963
 Ion Ratio Lower Upper
 266 100
 264 64.0 50.5 75.7
 268 65.1 50.9 76.3

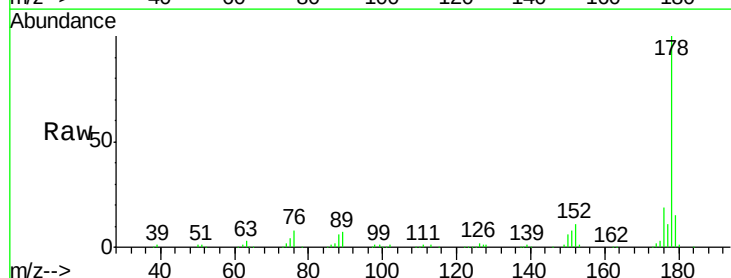


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

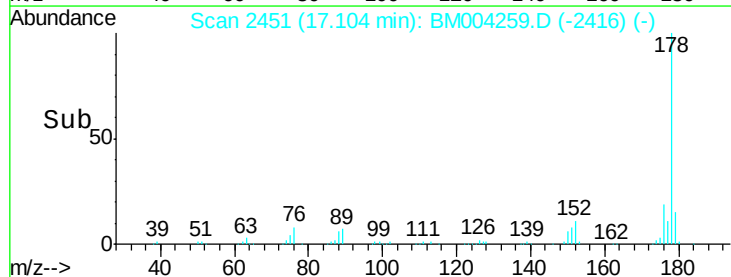
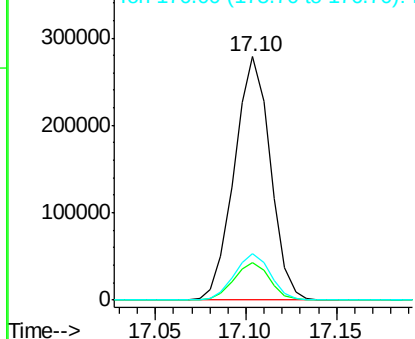


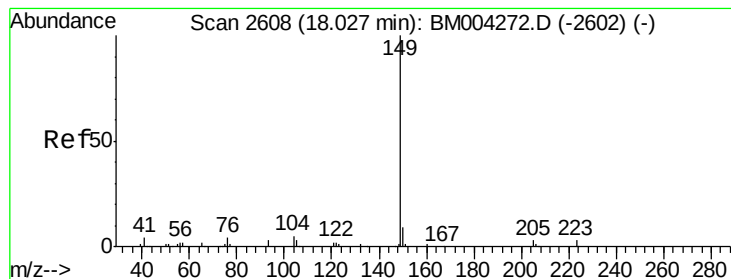
#70
 Phenanthrene
 Concen: 33.55 ng/ul
 RT: 17.10 min Scan# 2451
 Delta R.T. 0.01 min
 Lab File: BM004259.D
 Acq: 15 Feb 2016 14:08

Tgt Ion:178 Resp: 385302
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.4
 176 19.1 15.6 23.4



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





#76

Di-n-butylphthalate

Concen: 45.40 ng/ul

RT: 18.03 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Instrument :

BNA_M

ClientSampleId :

D9QB9

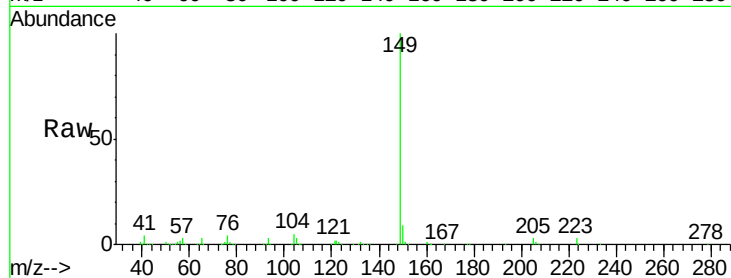
Tot Ion:149 Resp: 576133

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

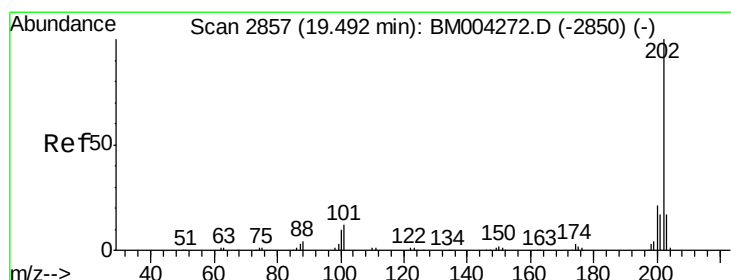
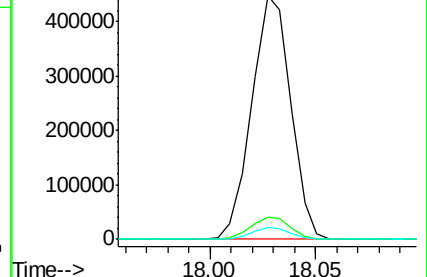
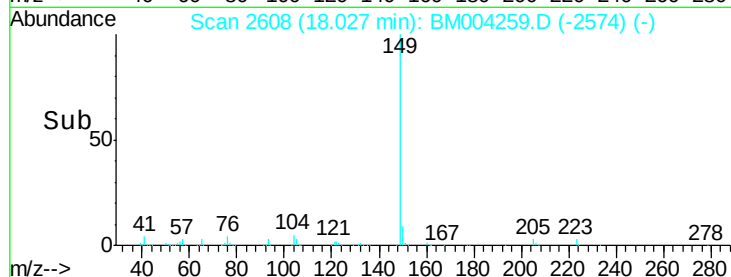
104 4.7 4.0 6.0



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



#80

Pyrene

Concen: 17.78 ng/ul

RT: 19.50 min Scan# 2858

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

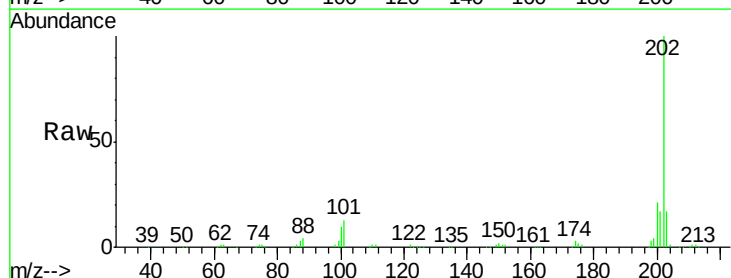
Tgt Ion:202 Resp: 233456

Ion Ratio Lower Upper

202 100

101 12.5 10.2 15.2

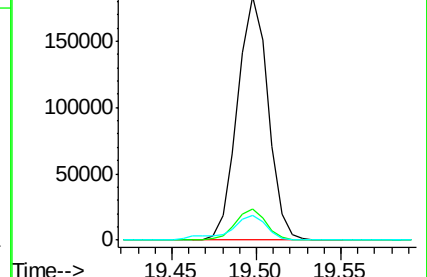
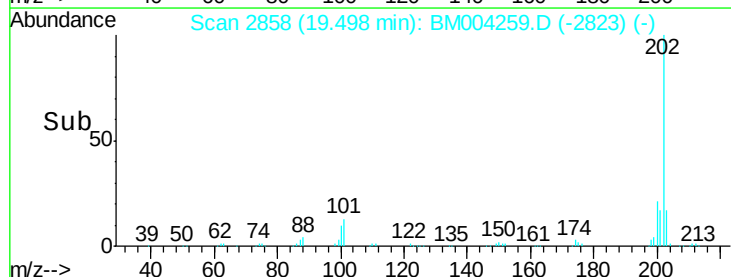
100 10.2 8.5 12.7

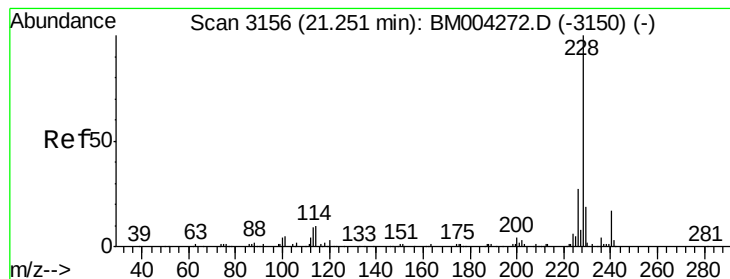


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 42.48 ng/ul

RT: 21.26 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Instrument :

BNA_M

ClientSampleId :

D9QB9

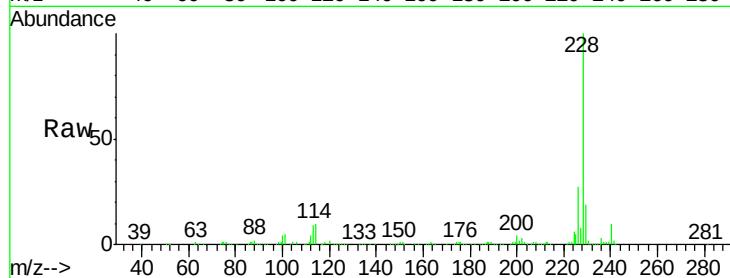
Tot Ion:228 Resp: 496618

Ion Ratio Lower Upper

228 100

229 19.5 15.7 23.5

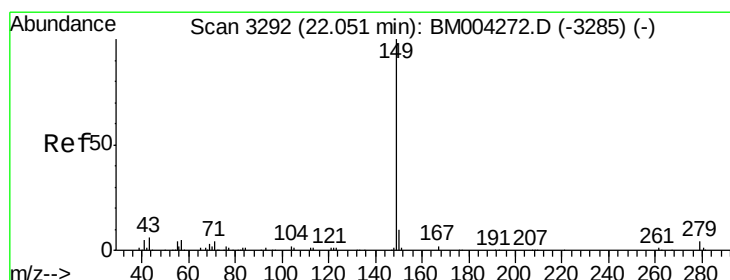
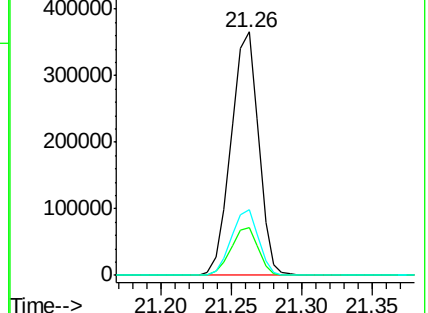
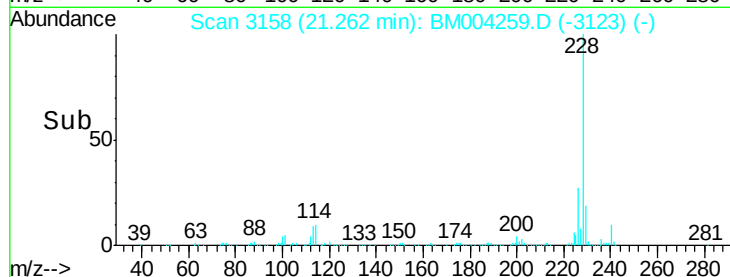
226 26.8 21.8 32.6



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



#87

Di-n-octyl phthalate

Concen: 35.66 ng/ul

RT: 22.06 min Scan# 3294

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

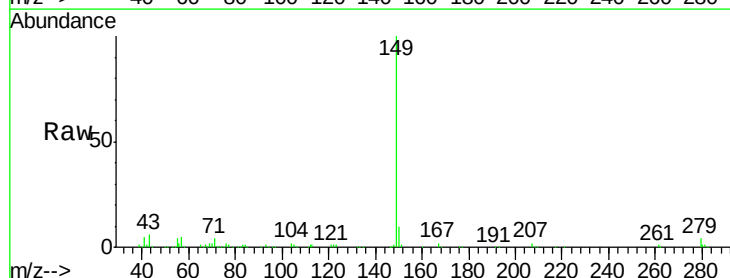
Tgt Ion:149 Resp: 411632

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

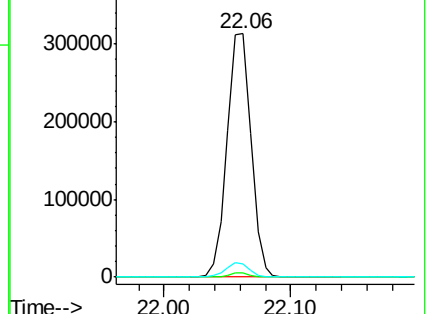
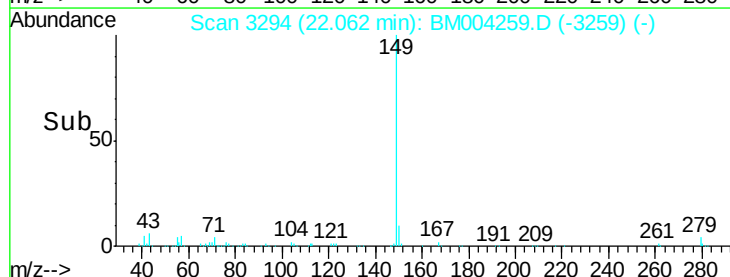
43 5.6 5.6 8.4#

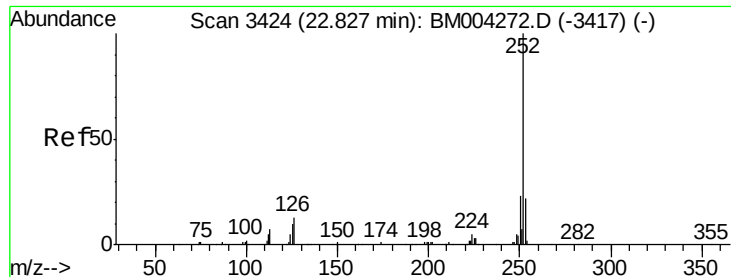


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

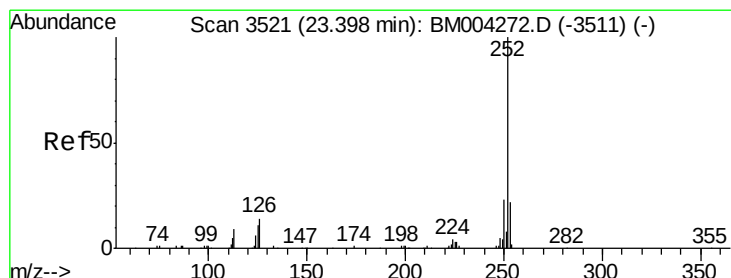
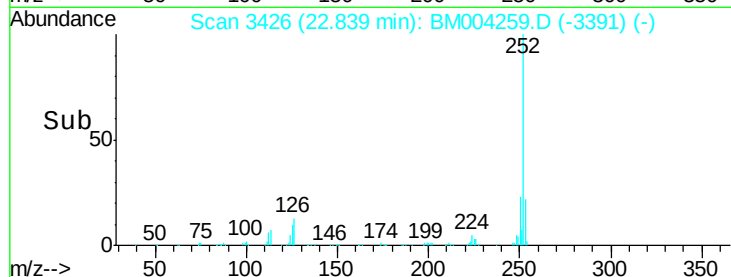
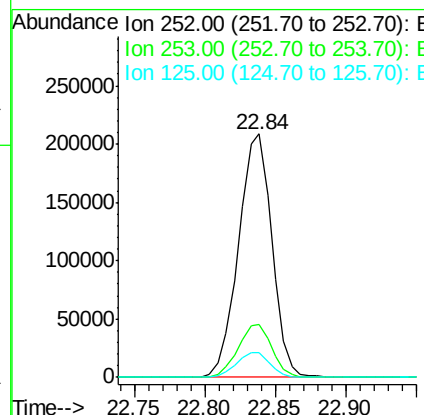
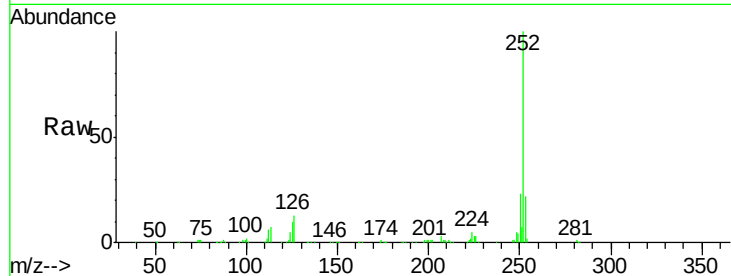




#88
Benzo(b)fluoranthene
Concen: 34.54 ng/ul
RT: 22.84 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

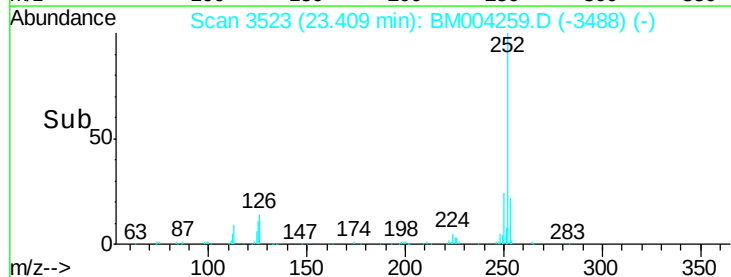
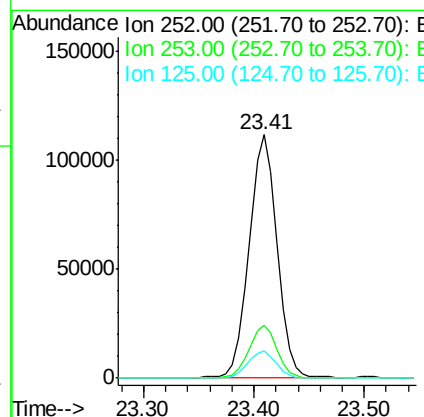
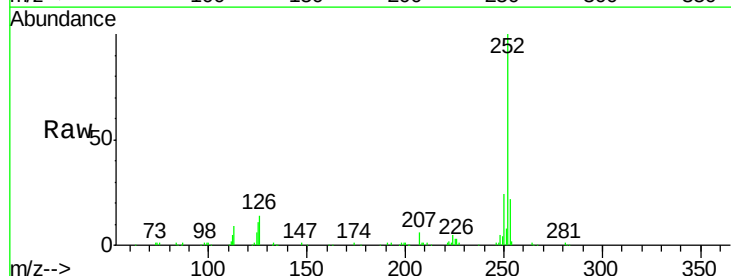
Instrument :
BNA_M
ClientSampled :
D9QB9

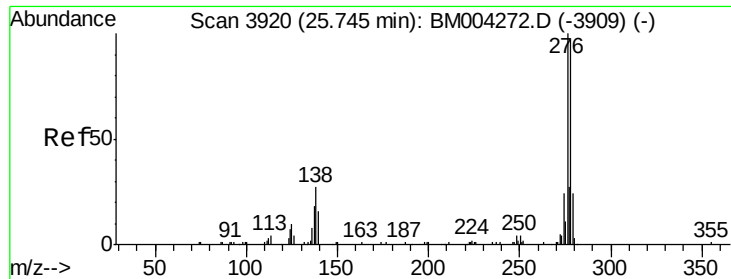
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.0	8.5	12.7



#91
Benzo(a)pyrene
Concen: 20.90 ng/ul
RT: 23.41 min Scan# 3523
Delta R.T. 0.01 min
Lab File: BM004259.D
Acq: 15 Feb 2016 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.4	9.0	13.6





#93

Dibenzo(a,h)anthracene

Concen: 48.43 ng/ul

RT: 25.76 min Scan# 3923

Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Instrument :

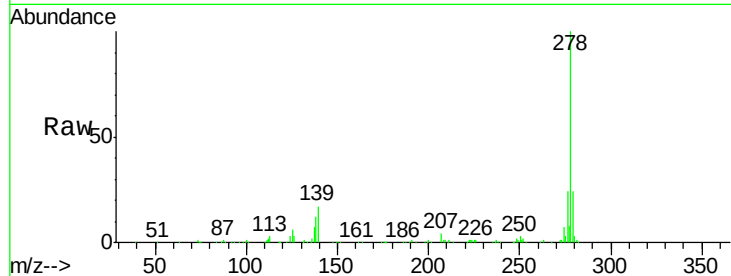
BNA_M

ClientSampleId :

D9QB9

Tot Ion:278 Resp: 438439

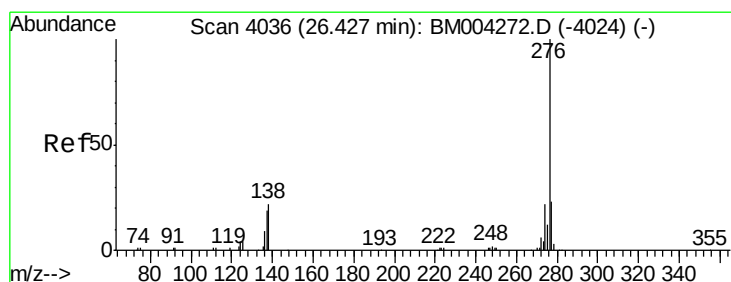
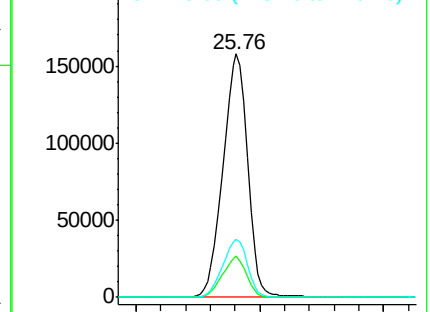
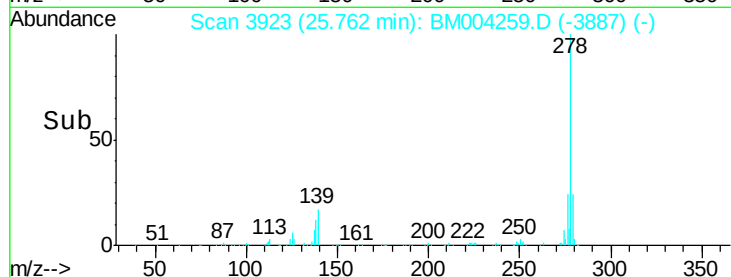
Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.9	20.9
279	23.6	19.0	28.4



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



#94

Benzo(g,h,i)perylene

Concen: 25.30 ng/ul

RT: 26.44 min Scan# 4038

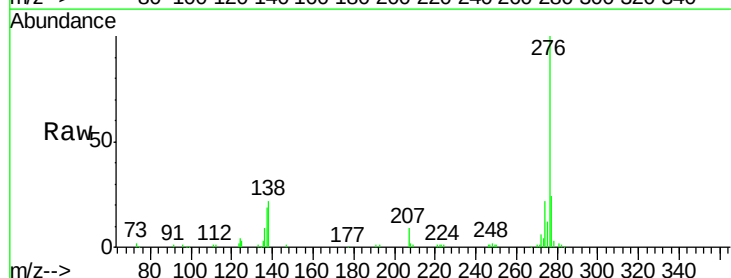
Delta R.T. 0.01 min

Lab File: BM004259.D

Acq: 15 Feb 2016 14:08

Tgt Ion:276 Resp: 230395

Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.9	28.3
277	23.9	19.2	28.8



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

