

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031616\
 Data File : BM004635.D
 Acq On : 16 Mar 2016 14:26
 Operator : UM/SJ
 Sample : H1783-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 17 00:58:27 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM031516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 17 00:56:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	30566	20.00	ng/ul	0.03
18) Naphthalene-d8	10.66	136	286413	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.48	164	151009	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	334303	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	377514	20.00	ng/ul	0.00
86) Perylene-d12	23.70	264	368790	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.34	96	1843	2.08	ng/uL	0.00
5) Phenol-d5	7.01	99	34921	13.90	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.20	67	100938	70.90	ng/ul	0.03
9) 2-Chlorophenol-d4	7.39	132	108931	53.87	ng/ul	0.01
13) 4-Methylphenol-d8	8.55	113	65663	32.43	ng/ul	0.01
19) Nitrobenzene-d5	9.02	128	62850	31.55	ng/ul	0.02
22) 2-Nitrophenol-d4	9.73	143	65560	30.47	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.26	165	115471	27.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	7514	1.49	ng/ul	0.01
44) Dimethylphthalate-d6	13.89	166	371288	31.45	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	468652	32.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	11516	5.05	ng/ul	0.00
58) Fluorene-d10	15.47	176	325549	31.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	45490	25.89	ng/ul	0.00
71) Anthracene-d10	17.32	188	498720	32.40	ng/ul	0.00
79) Pyrene-d10	19.61	212	568671	33.00	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	594734	36.11	ng/ul	0.00

Target Compounds

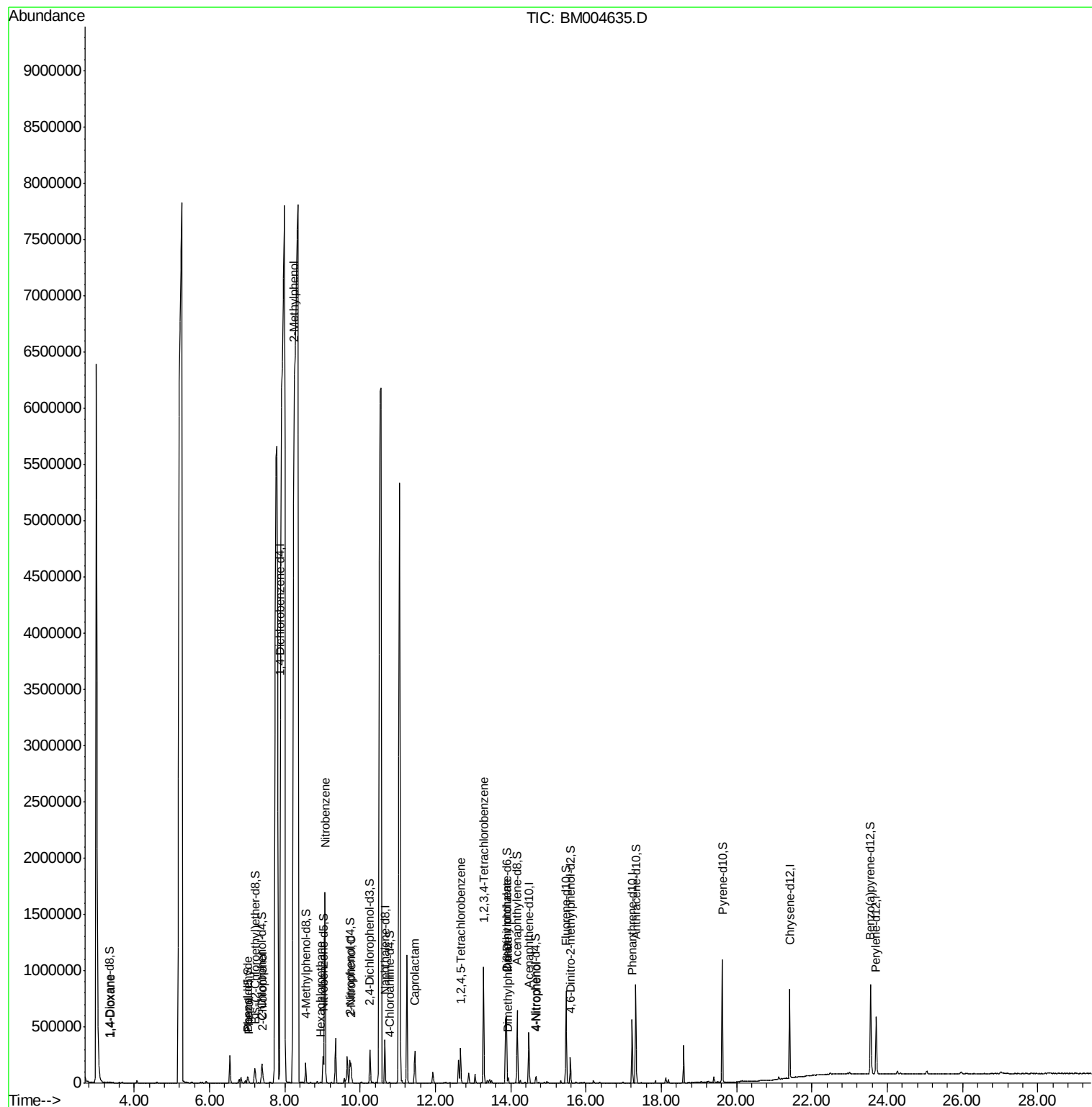
					Ovalue	
2) 1,4-Dioxane	3.38	88	2824	2.73	ng/uL	95
4) Benzaldehyde	7.02	77	2764	1.98	ng/ul#	68
6) Phenol	7.03	94	20409	7.72	ng/ul	98
10) 2-Chlorophenol	7.42	128	22672	10.62	ng/ul#	92
11) 2-Methylphenol	8.24	108	27767	13.67	ng/ul	96
17) Hexachloroethane	8.94	117	1869	2.20	ng/ul	90
20) Nitrobenzene	9.06	77	1001545	203.77	ng/ul	98
23) 2-Nitrophenol	9.76	139	58594	24.58	ng/ul	94
32) Caprolactam	11.45	113	21638	14.86	ng/ul#	1
37) 1,2,4,5-Tetrachlorobenzene	12.66	216	104299	21.62	ng/ul	99
45) Dimethylphthalate	13.93	163	22042	1.84	ng/ul#	95
46) 2,6-Dinitrotoluene	13.89	165	2376	1.11	ng/ul#	41
53) 4-Nitrophenol	14.67	109	7006	3.79	ng/ul	92
73) 1,2,3,4-Tetrachlorobenzene	13.27	216	303115	65.90	ng/uL	99

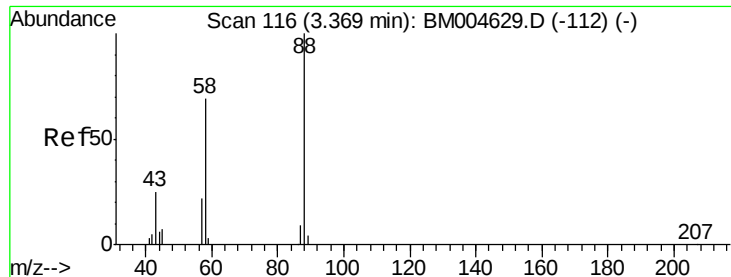
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 17 00:56:57 2016
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 2.73 ng/uL

RT: 3.38 min Scan# 117

Delta R.T. 0.01 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

Instrument :

BNA_M

ClientSampleId :

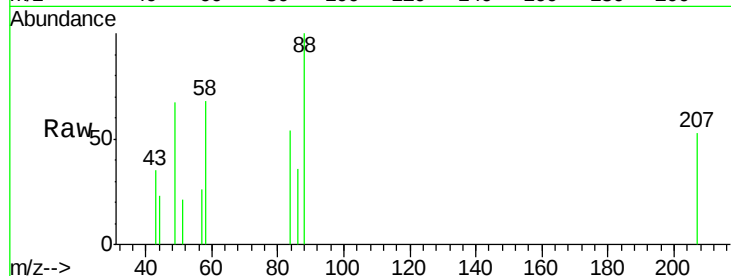
Tot Ion: 88 Resp: 2824

Ion Ratio Lower Upper

88 100

43 21.4 21.0 31.6

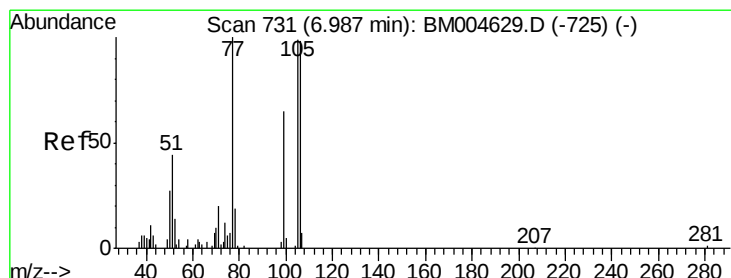
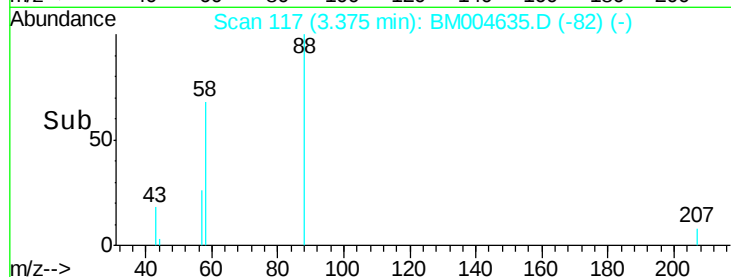
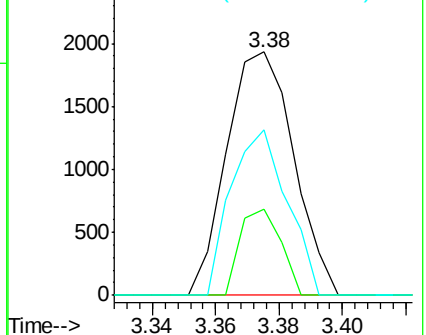
58 57.0 47.8 71.8



Abundance Ion 88.00 (87.70 to 88.70): BM004629.D (-112) (-)

Ion 43.00 (42.70 to 43.70): BM004629.D (-112) (-)

Ion 58.00 (57.70 to 58.70): BM004629.D (-112) (-)



#4

Benzaldehyde

Concen: 1.98 ng/uL

RT: 7.02 min Scan# 736

Delta R.T. 0.03 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

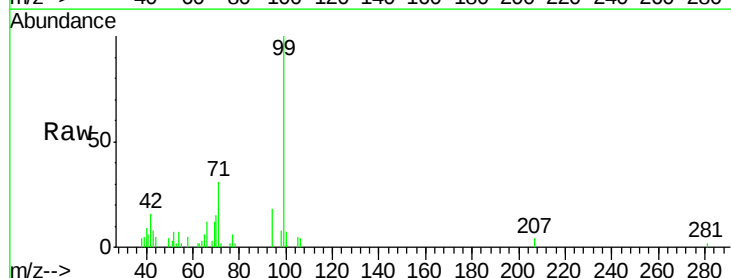
Tgt Ion: 77 Resp: 2764

Ion Ratio Lower Upper

77 100

105 72.9 80.6 120.8#

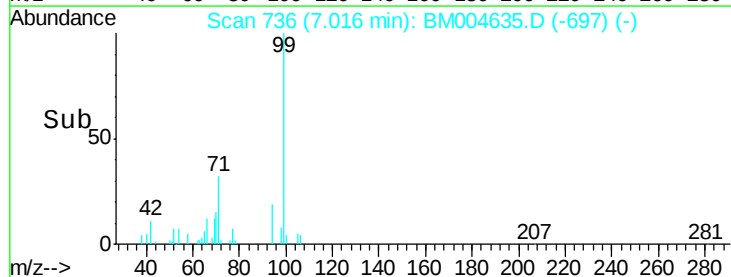
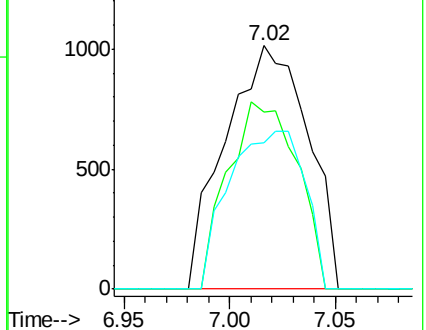
106 60.3 77.7 116.5#

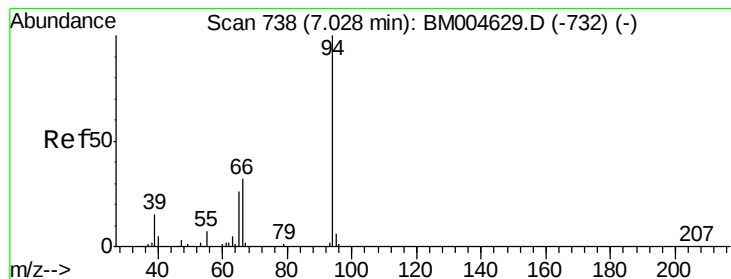


Abundance Ion 77.00 (76.70 to 77.70): BM004629.D (-725) (-)

Ion 105.00 (104.70 to 105.70): BM004629.D (-725) (-)

Ion 106.00 (105.70 to 106.70): BM004629.D (-725) (-)





#6

Phenol

Concen: 7.72 ng/ul

RT: 7.03 min Scan# 739

Delta R.T. 0.01 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

Instrument :

BNA_M

ClientSampleId :

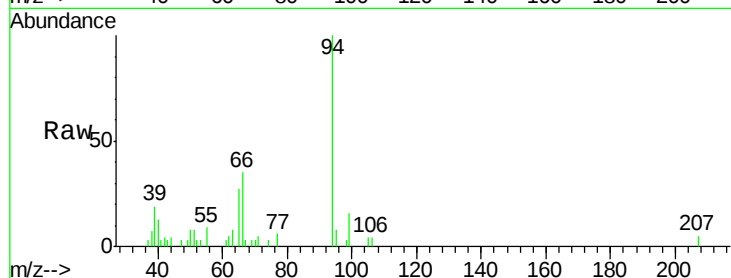
Tot Ion: 94 Resp: 20409

Ion Ratio Lower Upper

94 100

65 26.9 21.0 31.6

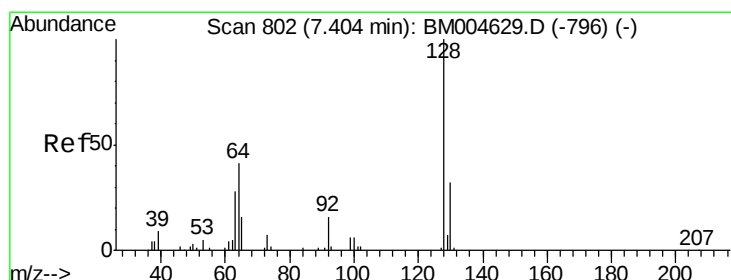
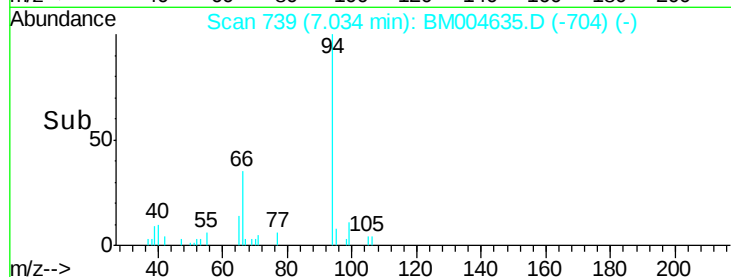
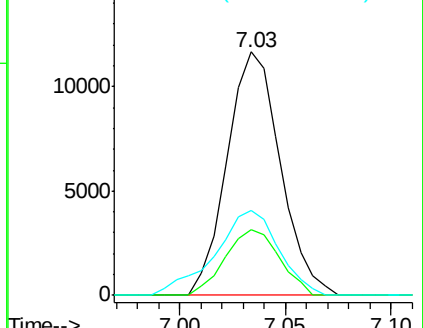
66 35.0 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004629.D (-732) (-)

Ion 65.00 (64.70 to 65.70): BM004629.D (-732) (-)

Ion 66.00 (65.70 to 66.70): BM004629.D (-732) (-)



#10

2-Chlorophenol

Concen: 10.62 ng/ul

RT: 7.42 min Scan# 805

Delta R.T. 0.02 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

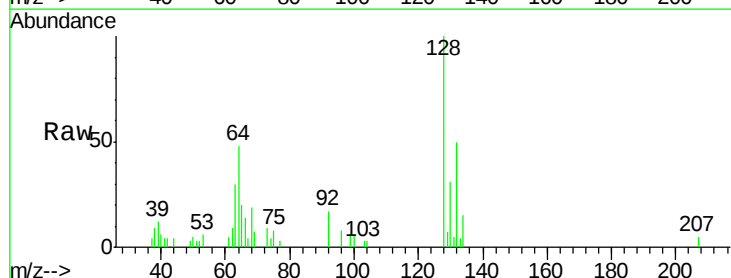
Tgt Ion:128 Resp: 22672

Ion Ratio Lower Upper

128 100

64 48.2 31.9 47.9#

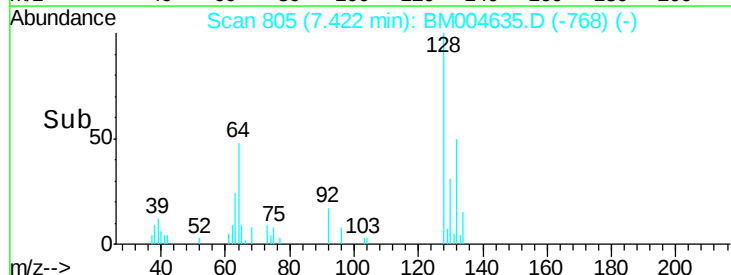
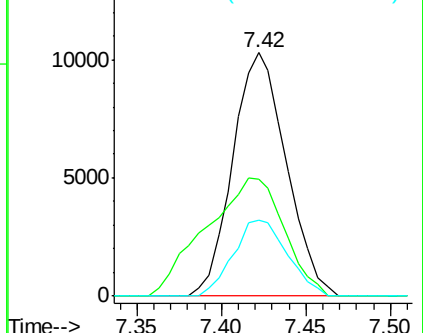
130 31.4 25.6 38.4

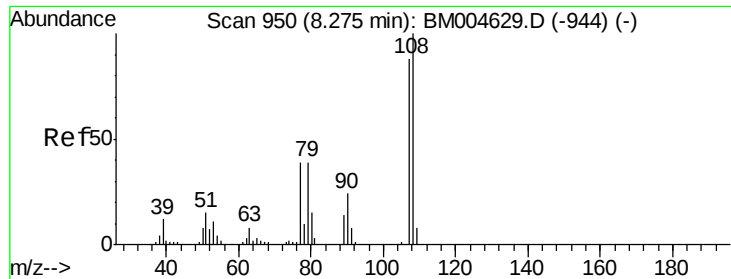


Abundance Ion 128.00 (127.70 to 128.70): BM004629.D (-796) (-)

Ion 64.00 (63.70 to 64.70): BM004629.D (-796) (-)

Ion 130.00 (129.70 to 130.70): BM004629.D (-796) (-)





#11

2-Methylphenol

Concen: 13.67 ng/ul

RT: 8.24 min Scan# 944

Delta R.T. -0.04 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

Instrument :

BNA_M

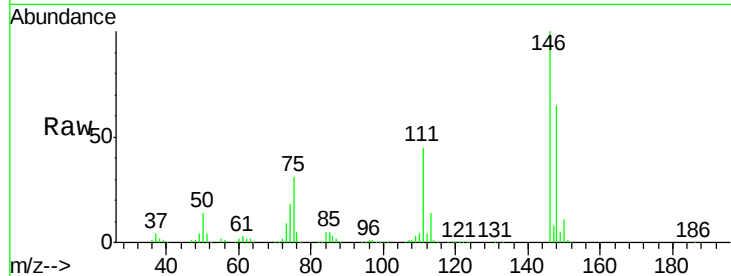
ClientSampleId :

Tot Ion:108 Resp: 27767

Ion Ratio Lower Upper

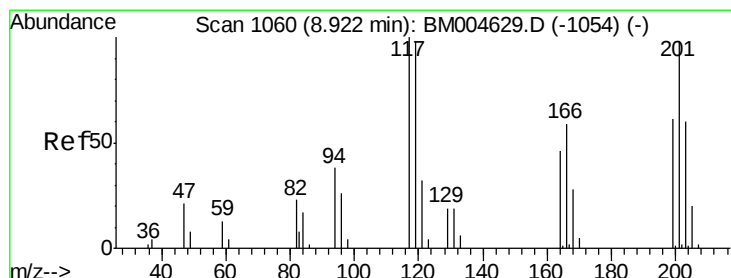
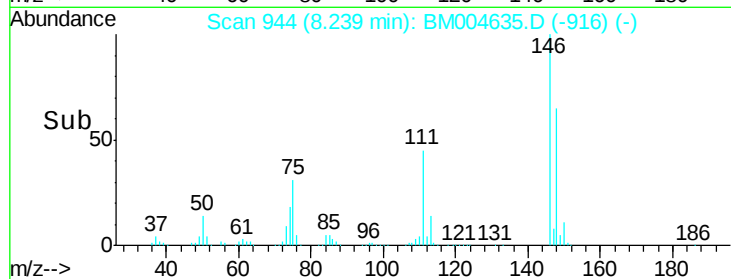
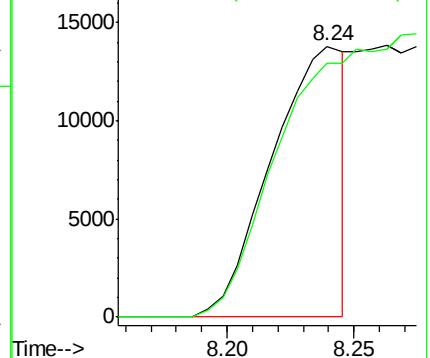
108 100

107 93.9 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 2.20 ng/ul

RT: 8.94 min Scan# 1063

Delta R.T. 0.02 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

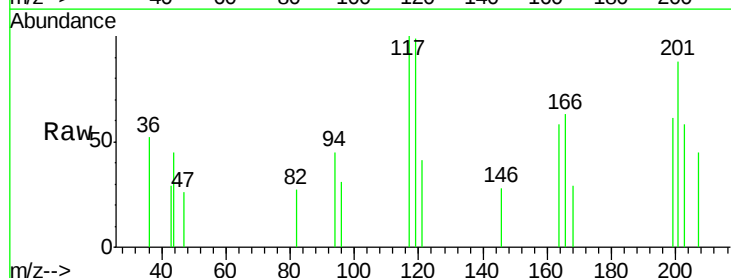
Tgt Ion:117 Resp: 1869

Ion Ratio Lower Upper

117 100

201 87.6 81.5 122.3

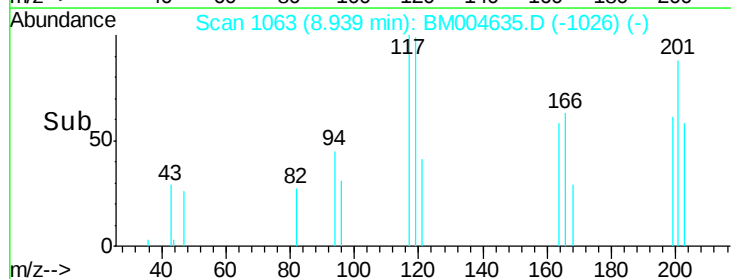
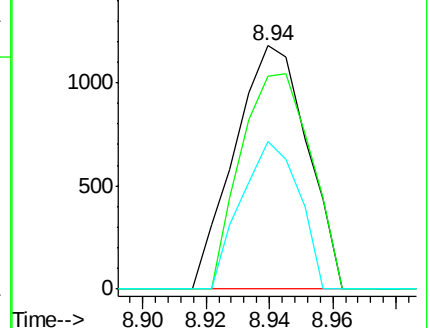
199 60.9 50.6 76.0

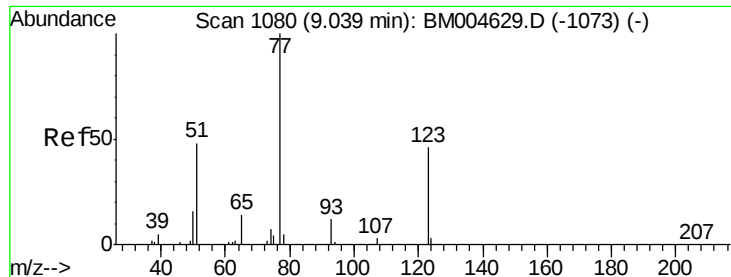


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

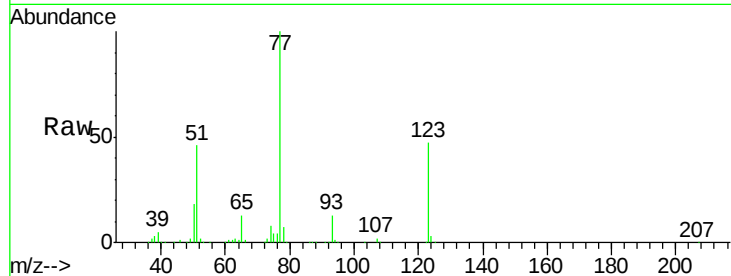




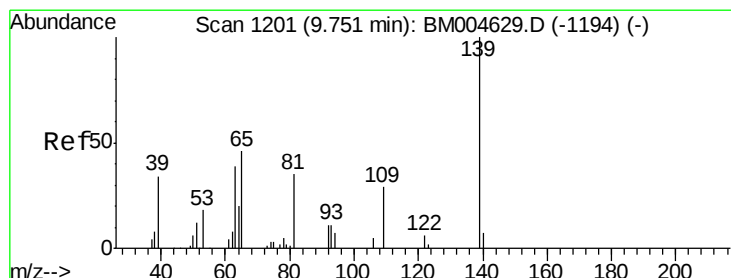
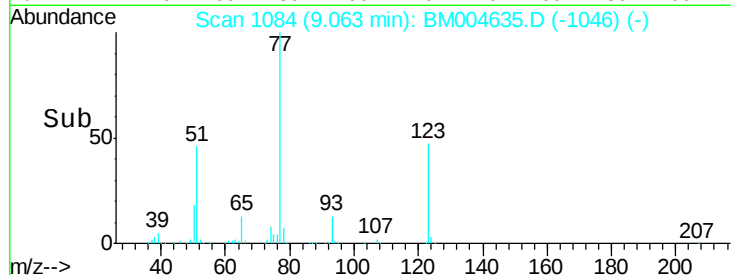
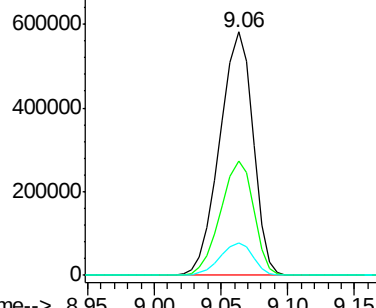
#20
Nitrobenzene
Concen: 203.77 ng/ul
RT: 9.06 min Scan# 1084
Delta R.T. 0.02 min
Lab File: BM004635.D
Acq: 16 Mar 2016 14:26

Instrument :
BNA_M
ClientSampled :

Tot Ion: 77 Resp: 1001545
Ion Ratio Lower Upper
77 100
123 46.9 39.0 58.4
65 13.3 10.4 15.6

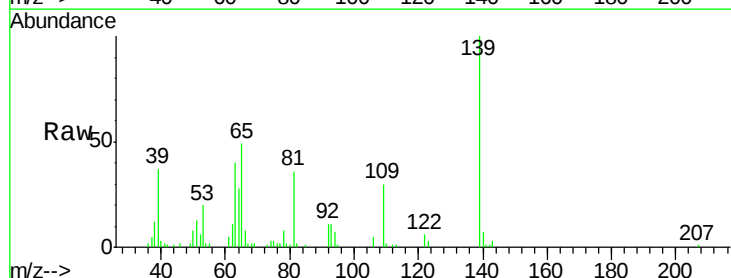


Abundance Ion 77.00 (76.70 to 77.70): BM004629.D (-1073) (-)
Ion 123.00 (122.70 to 123.70): BM004629.D (-1073) (-)
Ion 65.00 (64.70 to 65.70): BM004629.D (-1073) (-)

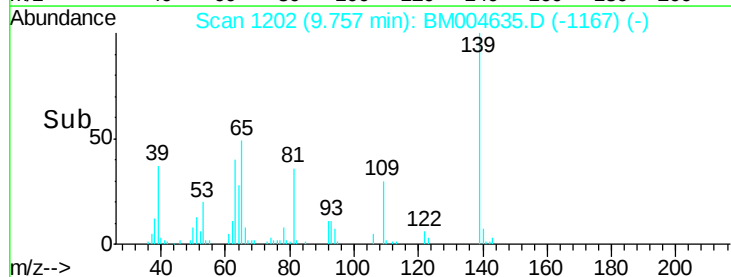
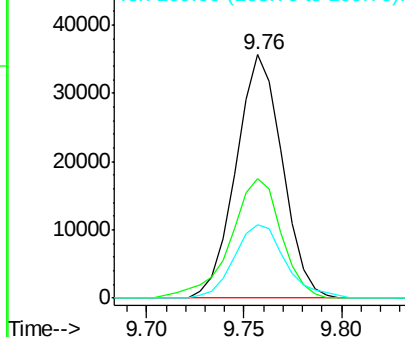


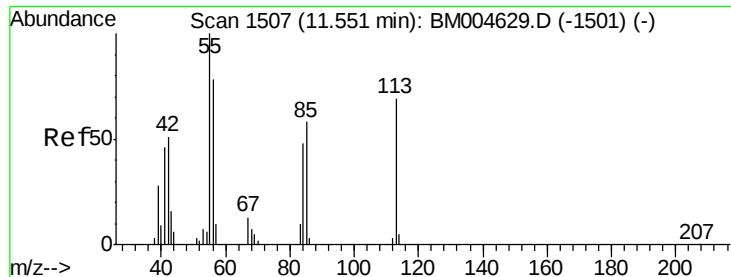
#23
2-Nitrophenol
Concen: 24.58 ng/ul
RT: 9.76 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM004635.D
Acq: 16 Mar 2016 14:26

Tgt Ion: 139 Resp: 58594
Ion Ratio Lower Upper
139 100
65 49.2 36.3 54.5
109 30.1 26.4 39.6



Abundance Ion 139.00 (138.70 to 139.70): BM004629.D (-1194) (-)
Ion 65.00 (64.70 to 65.70): BM004629.D (-1194) (-)
Ion 109.00 (108.70 to 109.70): BM004629.D (-1194) (-)





#32

Caprolactam

Concen: 14.86 ng/ul

RT: 11.45 min Scan# 1490

Delta R.T. -0.10 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

Instrument :

BNA_M

ClientSampleId :

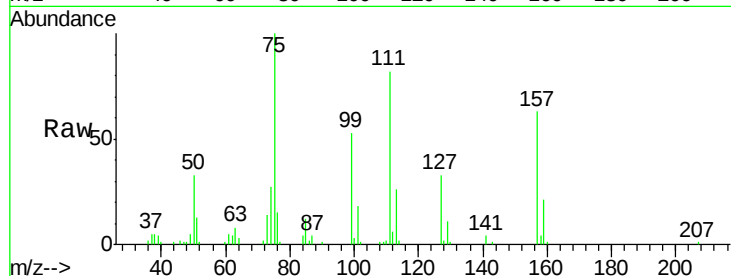
Tot Ion:113 Resp: 21638

Ion Ratio Lower Upper

113 100

55 0.0 101.9 152.9#

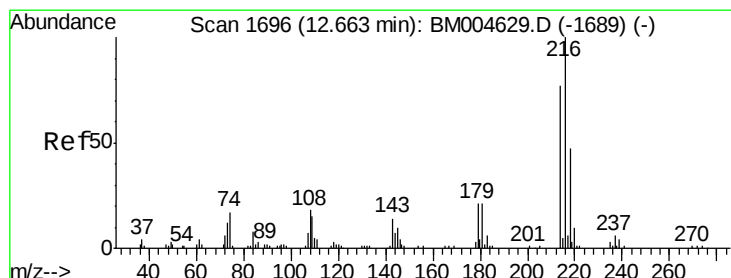
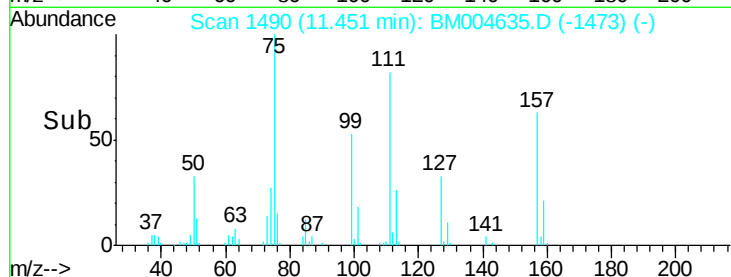
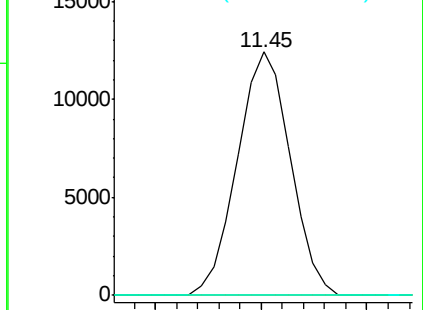
56 0.0 81.2 121.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#37

1,2,4,5-Tetrachlorobenzene

Concen: 21.62 ng/ul

RT: 12.66 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

Tgt Ion:216 Resp: 104299

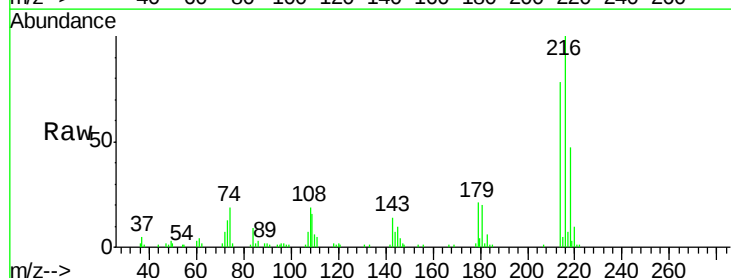
Ion Ratio Lower Upper

216 100

214 78.3 62.5 93.7

179 21.5 18.2 27.2

108 18.5 14.2 21.2

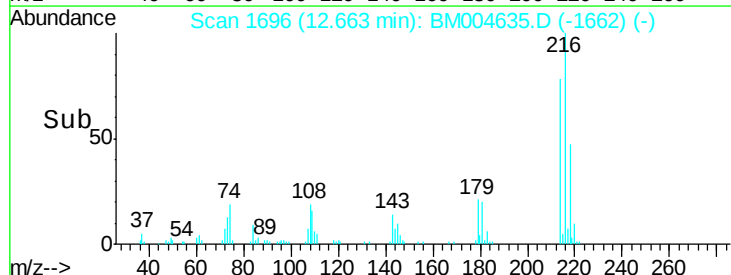
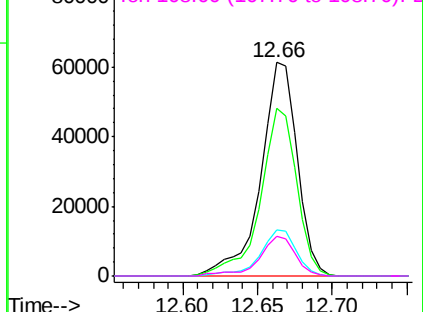


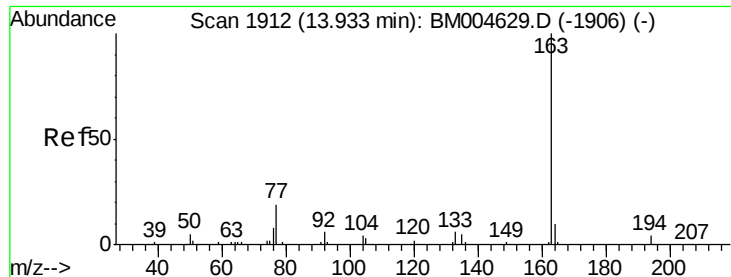
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

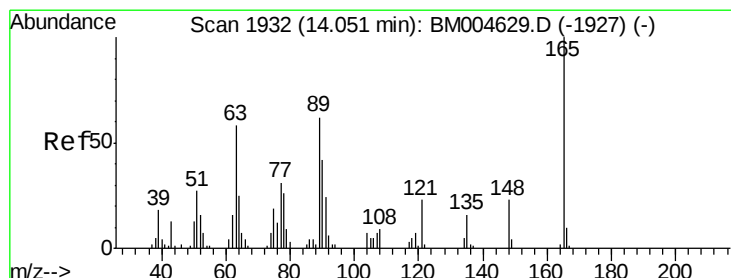
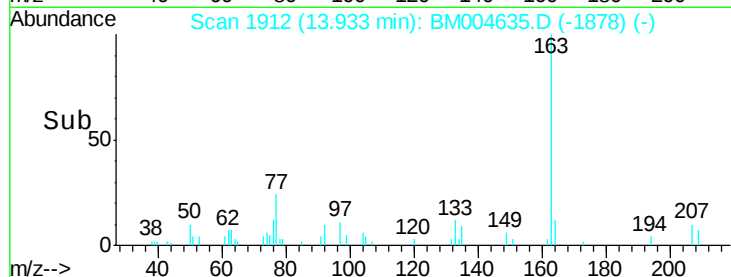
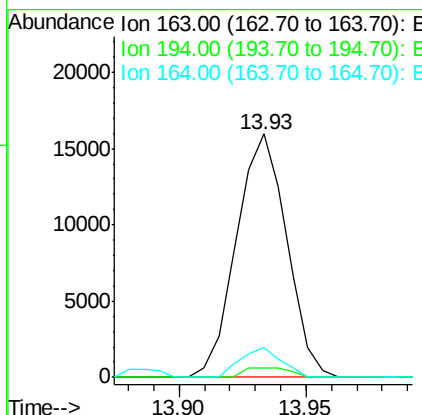
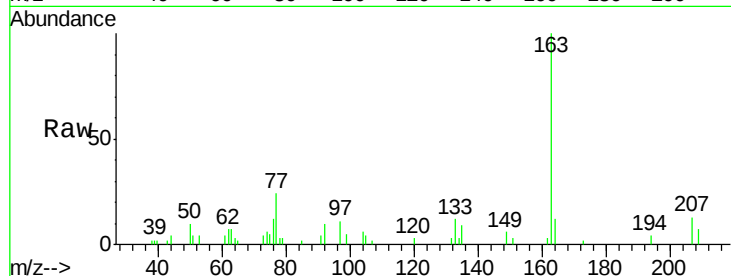




#45
Dimethylphthalate
Concen: 1.84 ng/ul
RT: 13.93 min Scan# 1912
Delta R.T. -0.00 min
Lab File: BM004635.D
Acq: 16 Mar 2016 14:26

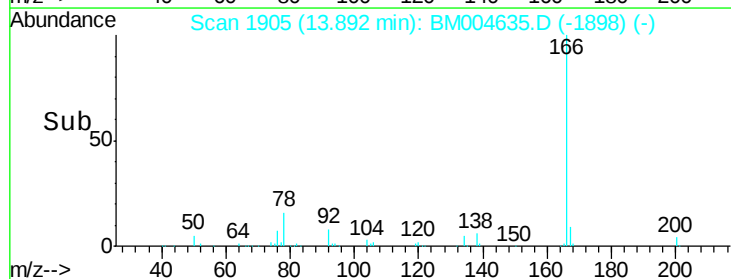
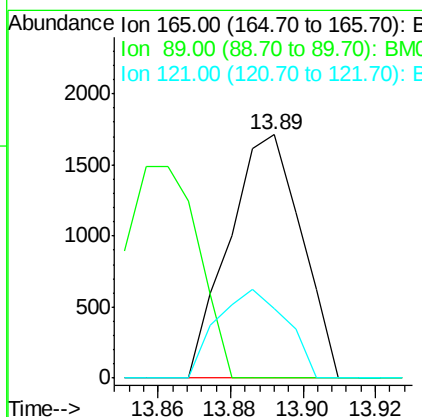
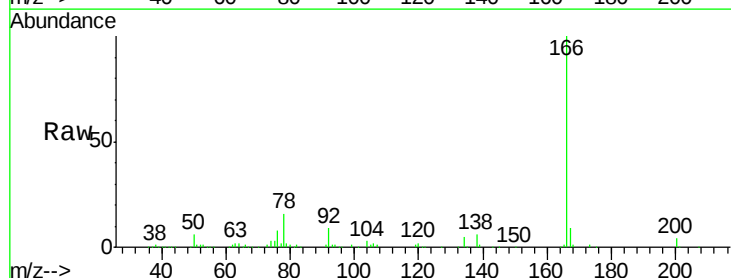
Instrument :
BNA_M
ClientSampleId :

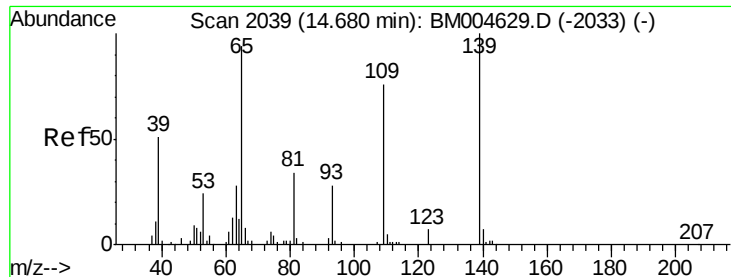
Tot Ion:163 Resp: 22042
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 12.4 7.8 11.8#



#46
2,6-Dinitrotoluene
Concen: 1.11 ng/ul
RT: 13.89 min Scan# 1905
Delta R.T. -0.16 min
Lab File: BM004635.D
Acq: 16 Mar 2016 14:26

Tgt Ion:165 Resp: 2376
Ion Ratio Lower Upper
165 100
89 0.0 42.4 63.6#
121 28.8 16.6 24.8#





#53

4-Nitrophenol

Concen: 3.79 ng/uL

RT: 14.67 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

Instrument :

BNA_M

ClientSampleId :

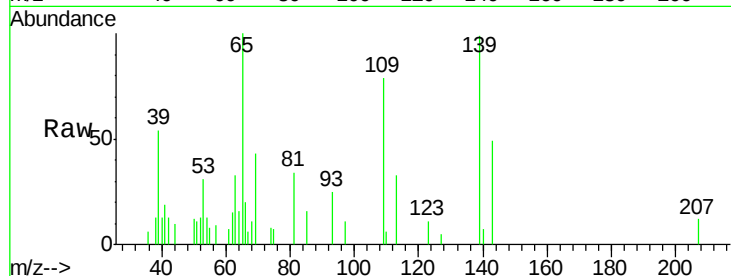
Tot Ion:109 Resp: 7006

Ion Ratio Lower Upper

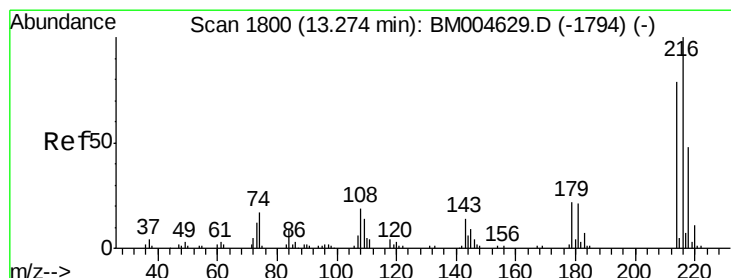
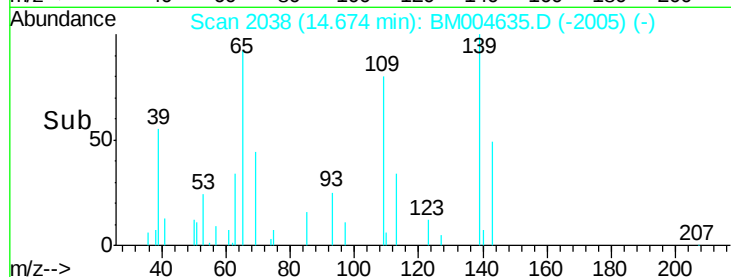
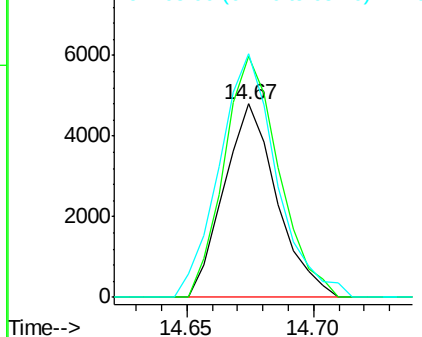
109 100

139 124.8 103.7 155.5

65 126.1 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): B



#73

1,2,3,4-Tetrachlorobenzene

Concen: 65.90 ng/uL

RT: 13.27 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BM004635.D

Acq: 16 Mar 2016 14:26

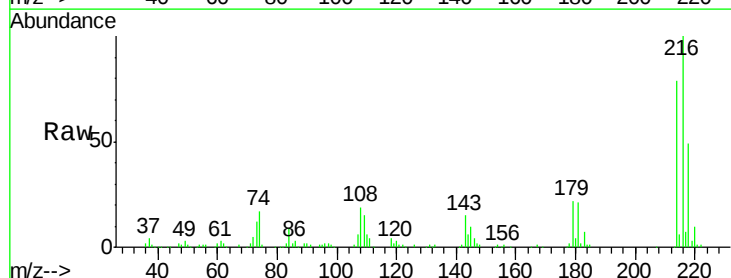
Tgt Ion:216 Resp: 303115

Ion Ratio Lower Upper

216 100

214 78.9 62.5 93.7

218 48.7 38.4 57.6



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 218.00 (217.70 to 218.70): E

