

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
 Data File : BM022922.D
 Acq On : 03 Oct 2019 16:12
 Operator : JU
 Sample : K4932-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 04 01:22:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 27 18:03:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	240955	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.59	136	1028691	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.43	164	633974	20.00	ng/ul	-0.02
62) Phenanthrene-d10	17.17	188	1244506	20.00	ng/ul	-0.01
78) Chrysene-d12	21.35	240	1006786	20.00	ng/ul	-0.02
86) Perylene-d12	23.62	264	990192	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	33865	6.08	ng/uL	0.00
5) Phenol-d5	6.97	99	181135	8.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	347701	29.84	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.33	132	450713	26.29	ng/ul	-0.01
13) 4-Methylphenol-d8	8.50	113	321839	18.46	ng/ul	-0.01
19) Nitrobenzene-d5	8.95	128	276290	34.80	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.67	143	303539	35.01	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.21	165	545809	31.62	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.72	131	666342	31.78	ng/ul	-0.01
44) Dimethylphthalate-d6	13.85	166	1665079	33.84	ng/ul	-0.01
47) Acenaphthylene-d8	14.12	160	1993340	35.09	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.64	143	87208	8.97	ng/ul	0.00
58) Fluorene-d10	15.43	176	1463253	34.89	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.54	200	239388	29.56	ng/ul	-0.02
71) Anthracene-d10	17.27	188	2267193	37.31	ng/ul	-0.02
79) Pyrene-d10	19.56	212	2344472	43.27	ng/ul	-0.02
90) Benzo(a)pyrene-d12	23.47	264	1899986	37.09	ng/ul	-0.02

Target Compounds

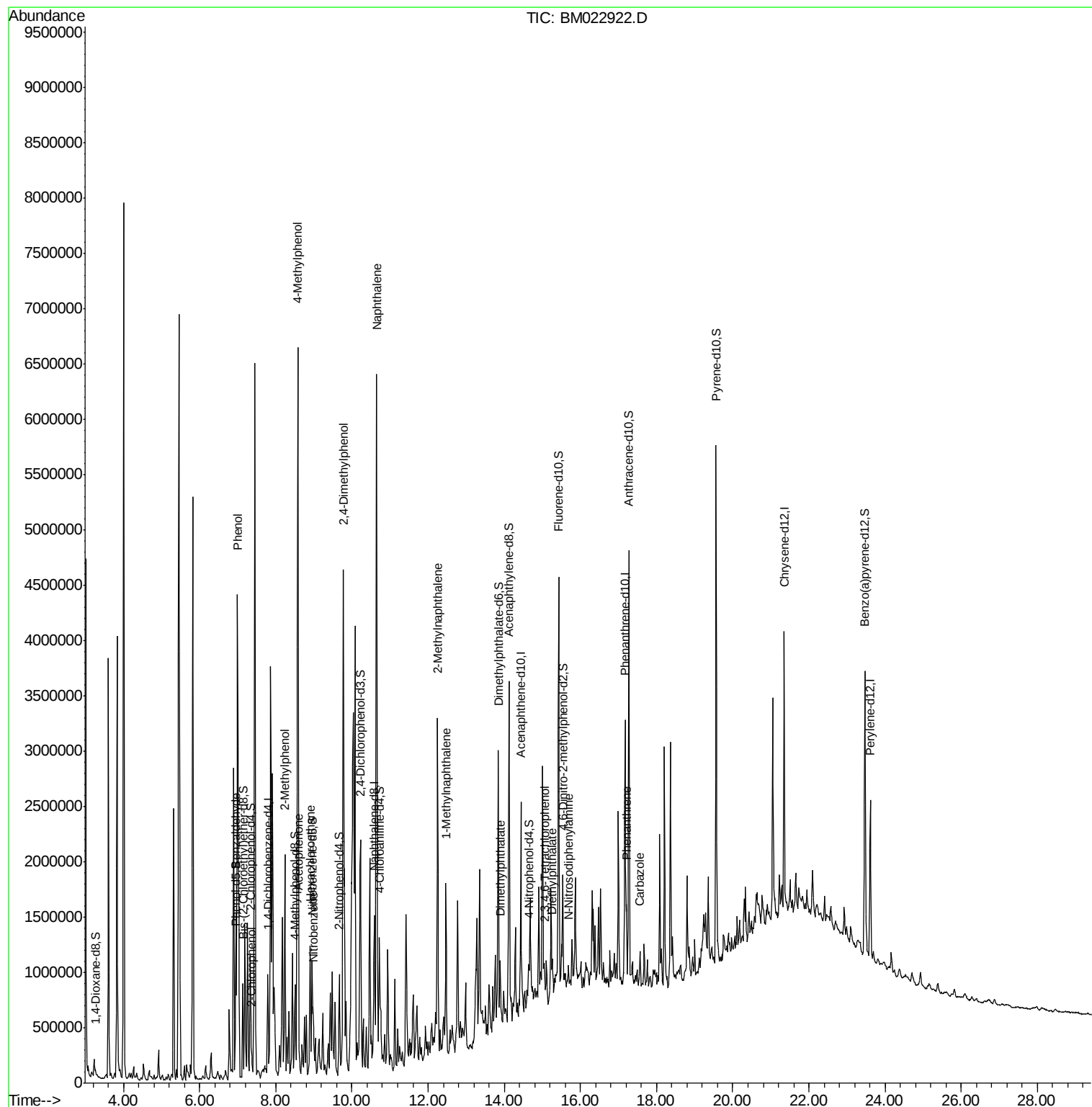
					Ovalue	
4) Benzaldehyde	6.95	77	117775	12.207	ng/ul#	1
6) Phenol	7.00	94	2698566	120.911	ng/ul	100
10) 2-Chlorophenol	7.36	128	59139	3.216	ng/ul	99
11) 2-Methylphenol	8.24	108	689992	40.112	ng/ul	100
14) Acetophenone	8.60	105	261838	9.826	ng/ul#	57
16) 4-Methylphenol	8.58	108	2979337	156.641	ng/ul	96
17) Hexachloroethane	8.90	117	136132	19.478	ng/ul#	6
20) Nitrobenzene	8.98	77	19900	1.074	ng/ul#	1
24) 2,4-Dimethylphenol	9.77	107	1780247	92.217	ng/ul	99
28) Naphthalene	10.64	128	4643742	83.587	ng/ul	98
34) 2-Methylnaphthalene	12.25	142	1414709	33.964	ng/ul	100
35) 1-Methylnaphthalene	12.47	142	756603	19.019	ng/ul	100
45) Dimethylphthalate	13.89	163	107646	2.130	ng/ul#	80
56) 2,3,4,6-Tetrachlorophenol	15.06	232	17147	1.295	ng/ul#	52
57) Diethylphthalate	15.27	149	91579	1.805	ng/ul#	62
65) N-Nitrosodiphenylamine	15.69	169	64145	1.568	ng/ul	94
70) Phenanthrene	17.22	178	133206	1.793	ng/ul#	91
75) Carbazole	17.57	167	184155	2.738	ng/ul#	95

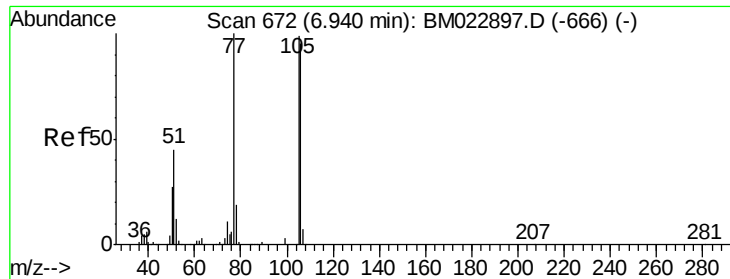
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 27 18:03:27 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 12.207 ng/ul

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

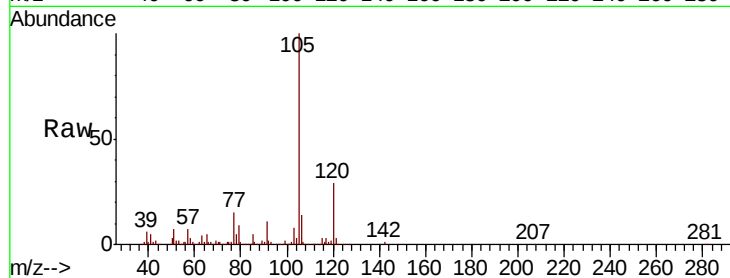
Tot Ion: 77 Resp: 117775

Ion Ratio Lower Upper

77 100

105 654.6 80.6 120.8#

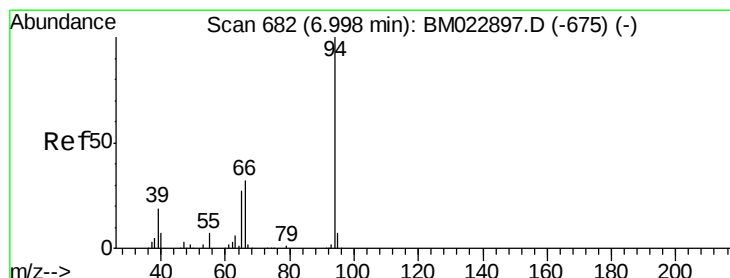
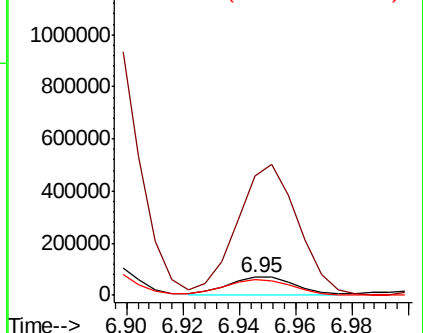
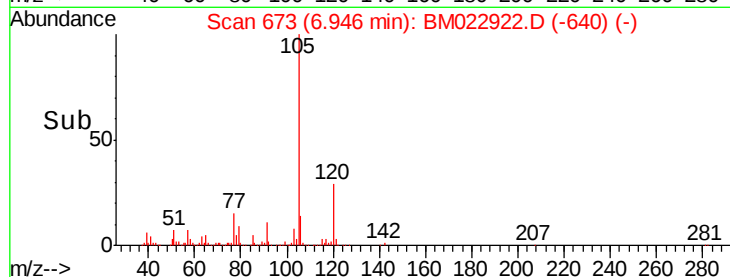
106 89.3 77.0 115.6



Abundance Ion 77.00 (76.70 to 77.70): BM022922.D (-640) (-)

Ion 105.00 (104.70 to 105.70): BM022922.D (-640) (-)

Ion 106.00 (105.70 to 106.70): BM022922.D (-640) (-)



#6

Phenol

Concen: 120.911 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

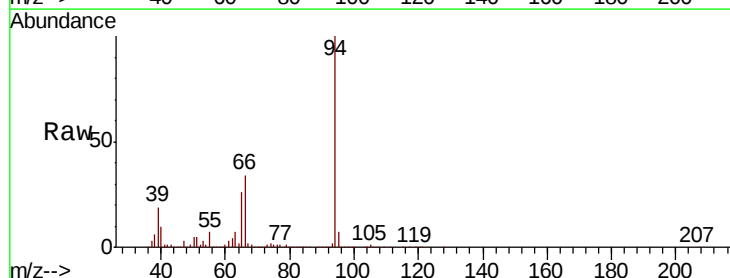
Tgt Ion: 94 Resp: 2698566

Ion Ratio Lower Upper

94 100

65 26.1 20.9 31.3

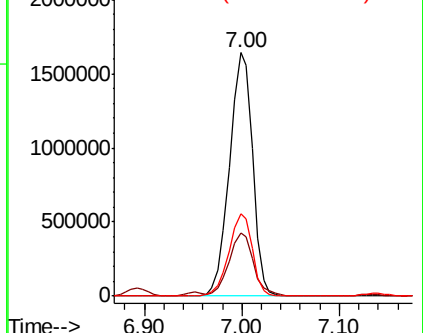
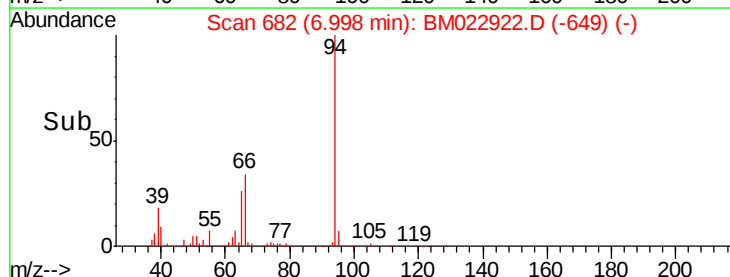
66 33.9 27.2 40.8

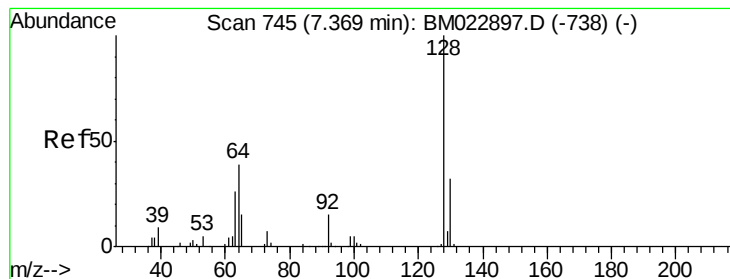


Abundance Ion 94.00 (93.70 to 94.70): BM022922.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BM022922.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BM022922.D (-649) (-)





#10

2-Chlorophenol

Concen: 3.216 ng/ul

RT: 7.36 min Scan# 744

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

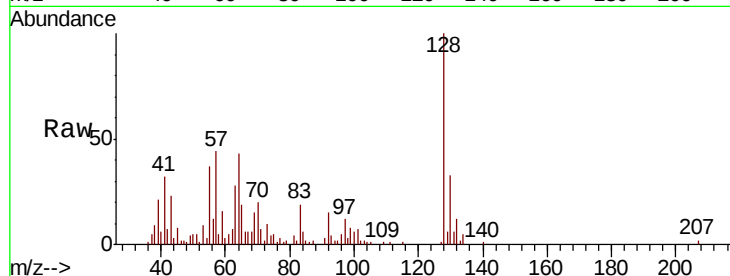
Tot Ion:128 Resp: 59139

Ion Ratio Lower Upper

128 100

64 42.7 34.1 51.1

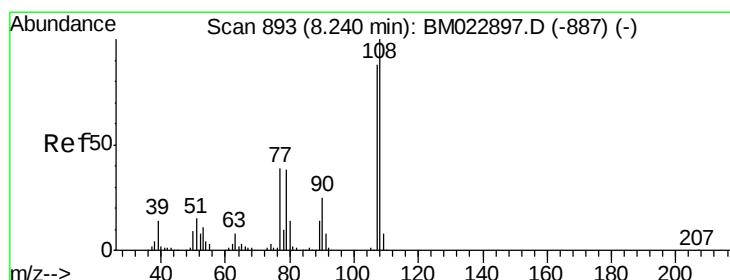
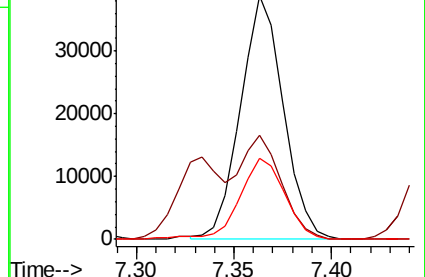
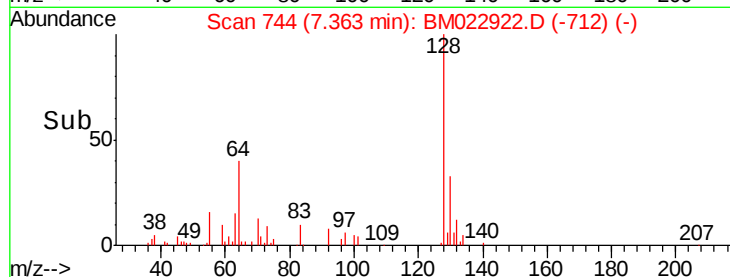
130 33.4 26.0 39.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 40.112 ng/ul

RT: 8.24 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM022922.D

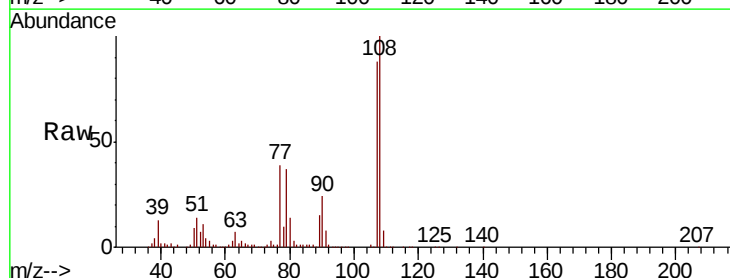
Acq: 03 Oct 2019 16:12

Tgt Ion:108 Resp: 689992

Ion Ratio Lower Upper

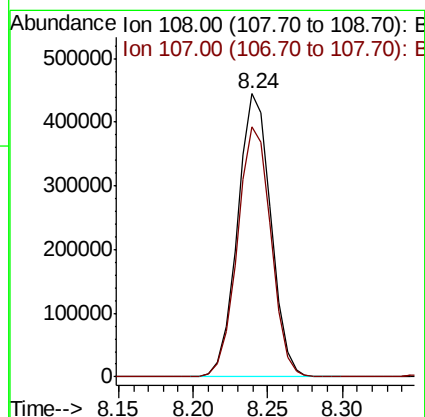
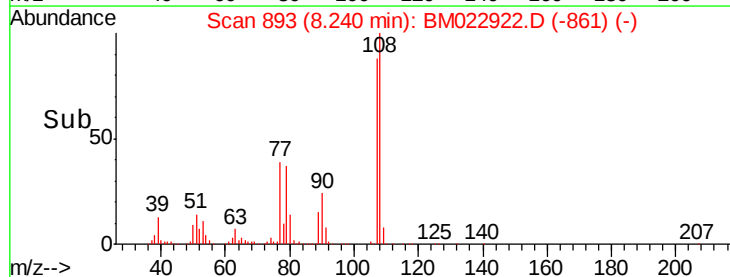
108 100

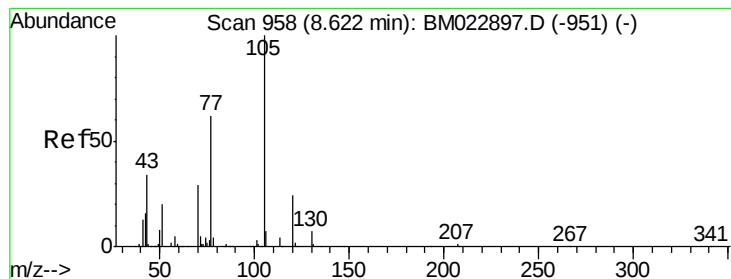
107 88.3 71.0 106.4



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#14

Acetophenone

Concen: 9.826 ng/ul

RT: 8.60 min Scan# 955

Delta R.T. -0.03 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

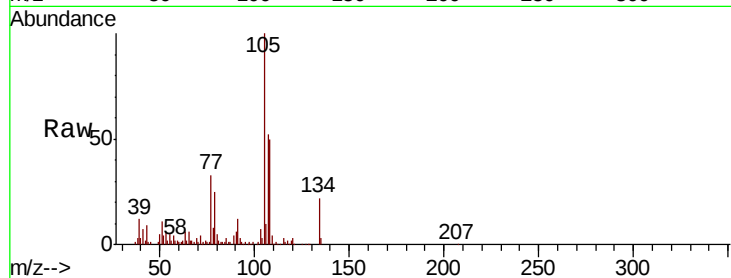
Tot Ion:105 Resp: 261838

Ion Ratio Lower Upper

105 100

77 33.3 59.4 89.0#

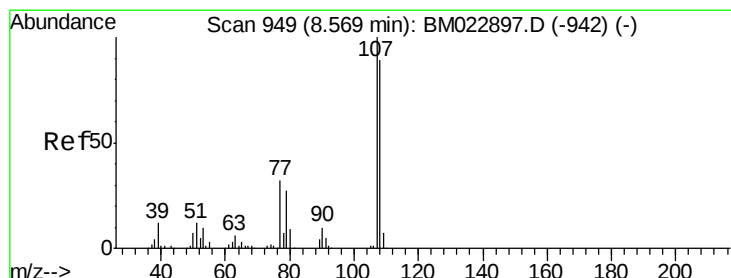
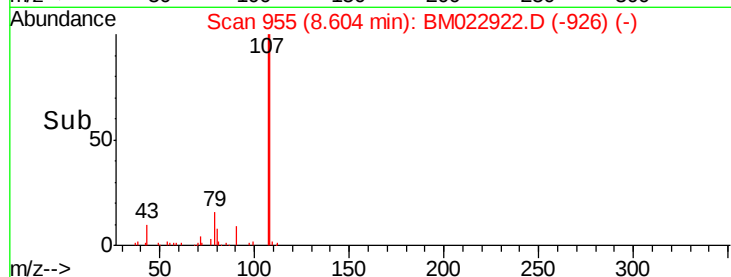
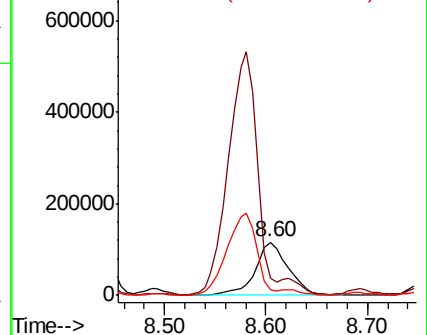
51 10.7 19.4 29.0#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#16

4-Methylphenol

Concen: 156.641 ng/ul

RT: 8.58 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM022922.D

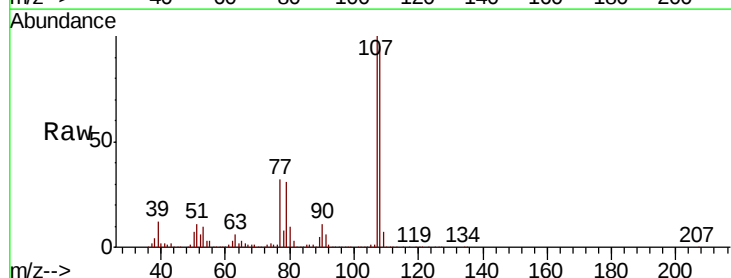
Acq: 03 Oct 2019 16:12

Tgt Ion:108 Resp: 2979337

Ion Ratio Lower Upper

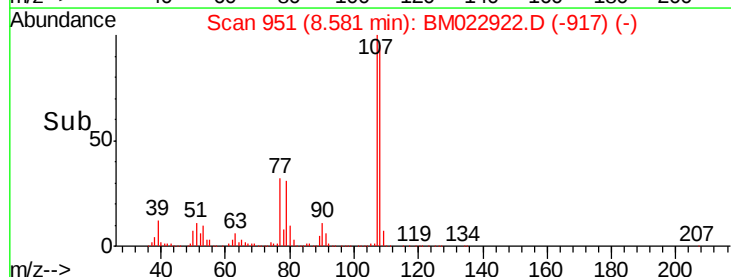
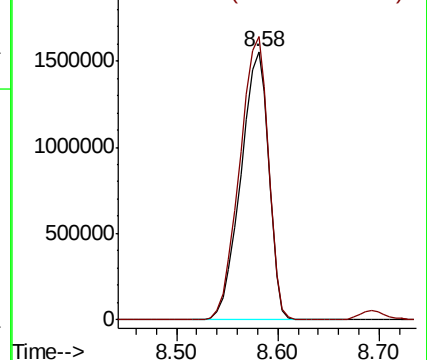
108 100

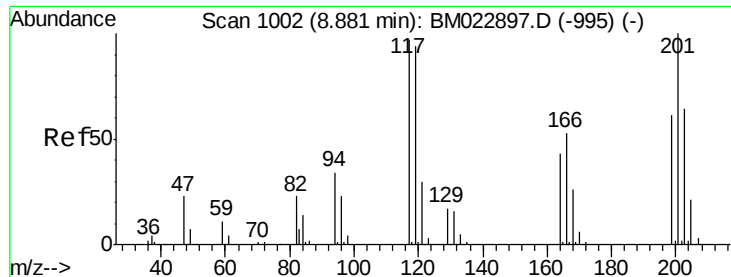
107 105.5 87.9 131.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

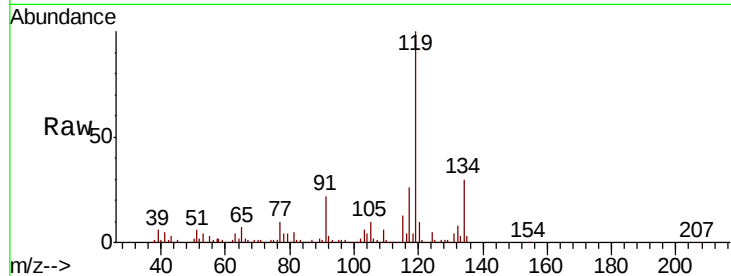




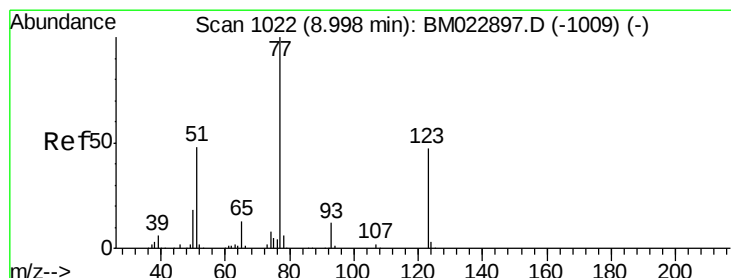
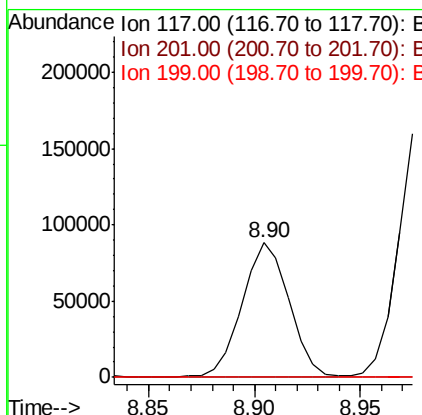
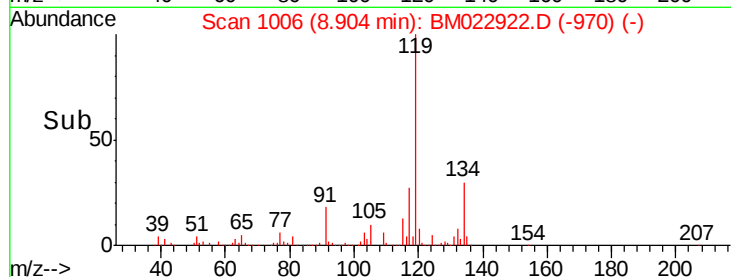
#17
Hexachloroethane
Concen: 19.478 ng/ul
RT: 8.90 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BM022922.D
Acq: 03 Oct 2019 16:12

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
201	0.0	82.5	123.7#
199	0.0	51.6	77.4#

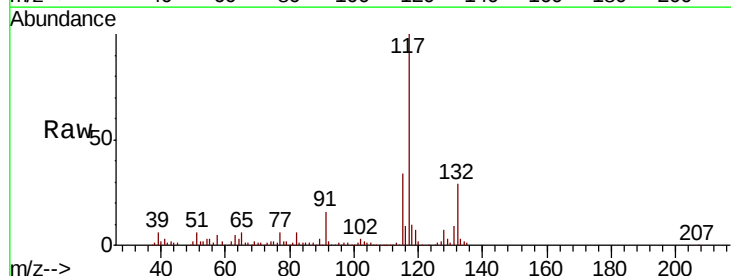


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

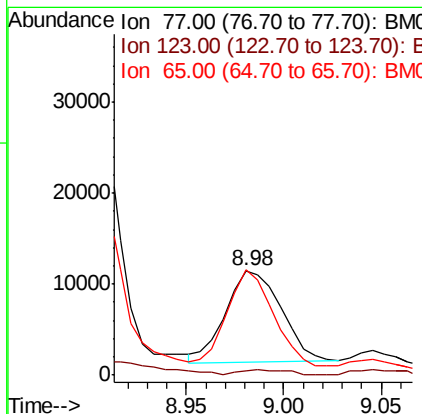
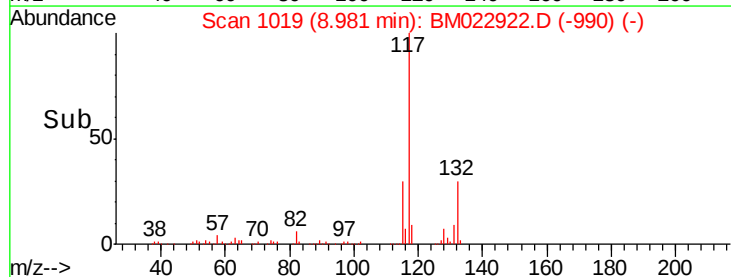


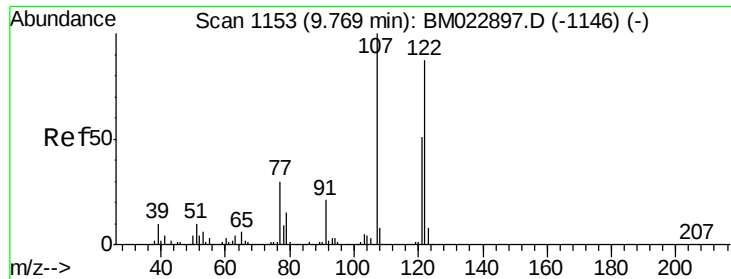
#20
Nitrobenzene
Concen: 1.074 ng/ul
RT: 8.98 min Scan# 1019
Delta R.T. -0.03 min
Lab File: BM022922.D
Acq: 03 Oct 2019 16:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	3.5	38.9	58.3#
65	100.7	10.2	15.2#



Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BM0





#24

2,4-Dimethylphenol

Concen: 92.217 ng/ul

RT: 9.77 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampled :

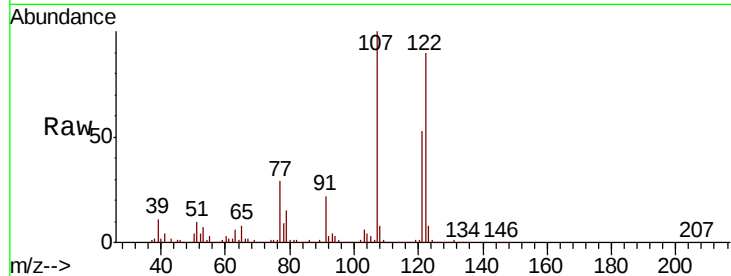
Tot Ion:107 Resp: 1780247

Ion Ratio Lower Upper

107 100

121 52.6 43.0 64.4

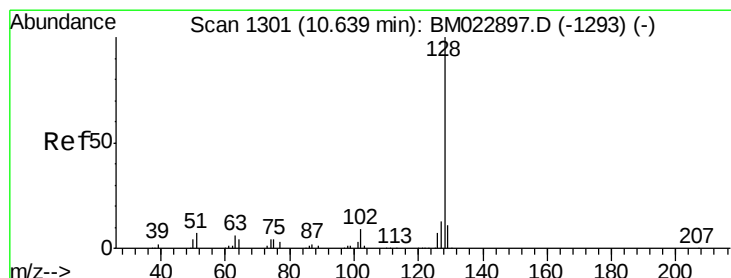
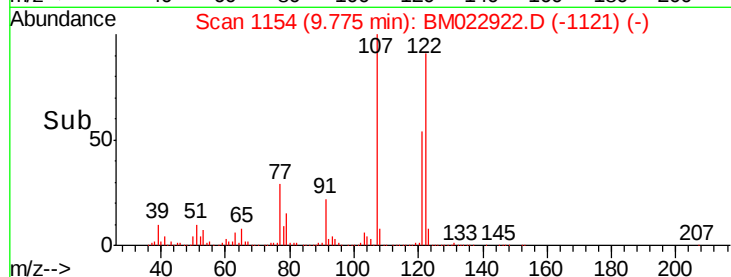
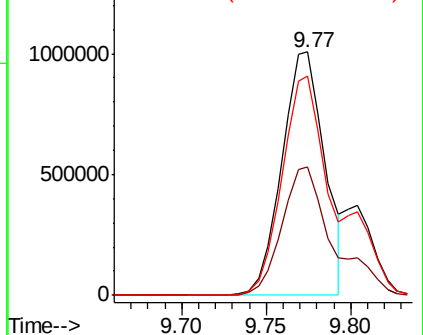
122 89.8 71.4 107.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 83.587 ng/ul

RT: 10.64 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

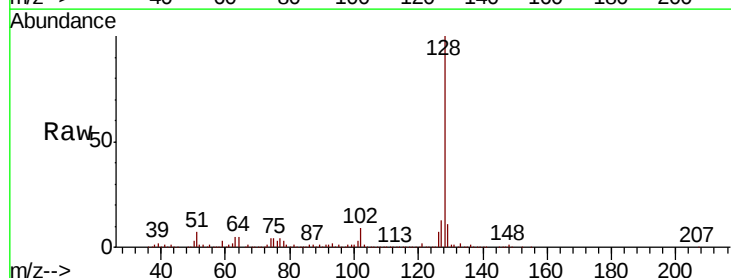
Tgt Ion:128 Resp: 4643742

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

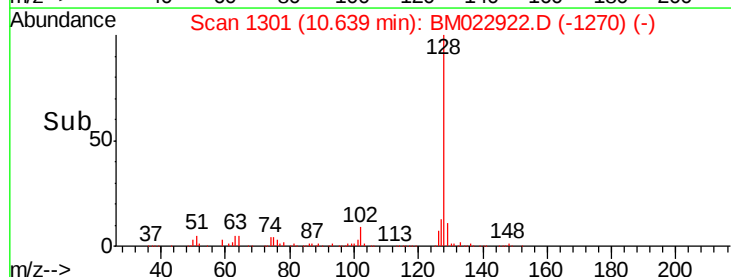
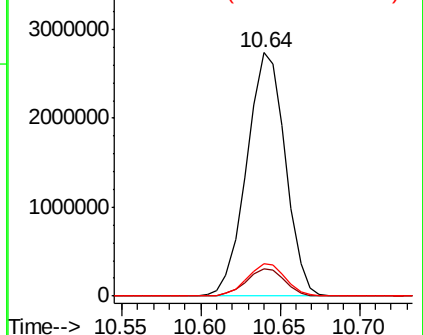
127 13.3 10.2 15.4

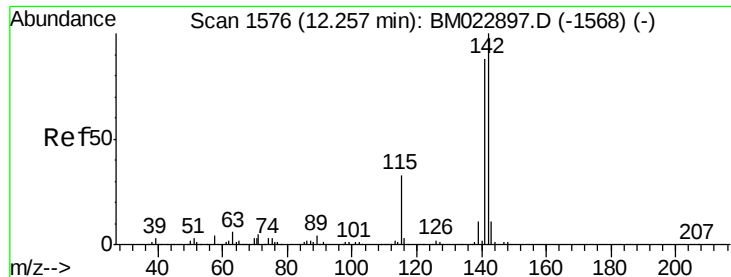


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

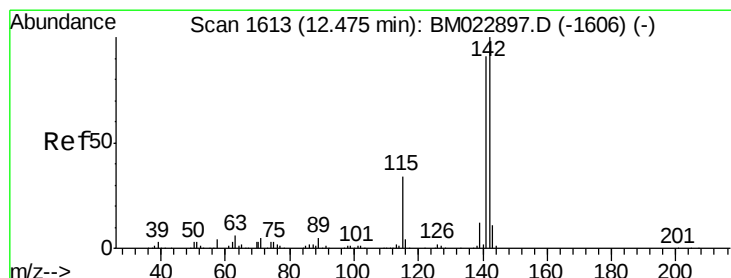
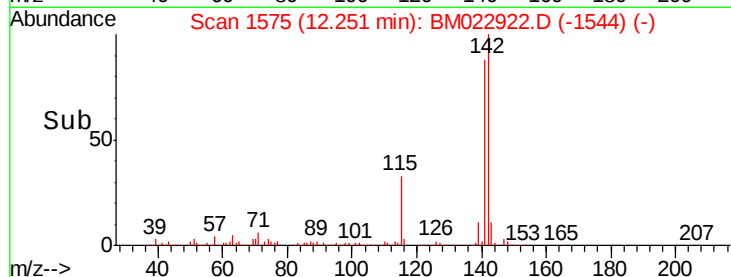
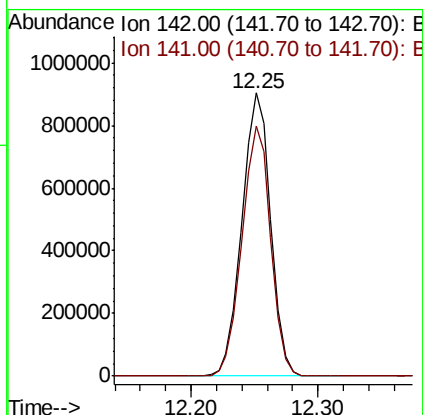
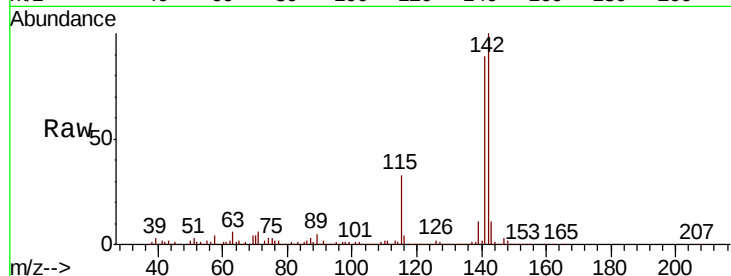




#34
2-Methylnaphthalene
Concen: 33.964 ng/ul
RT: 12.25 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BM022922.D
Acq: 03 Oct 2019 16:12

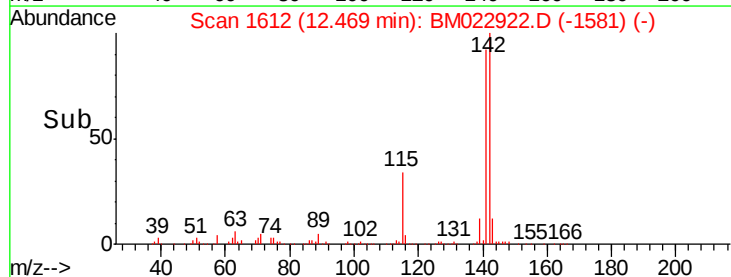
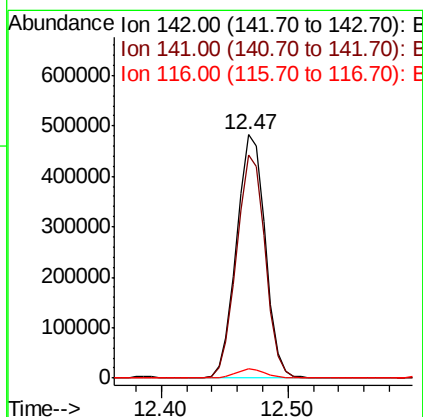
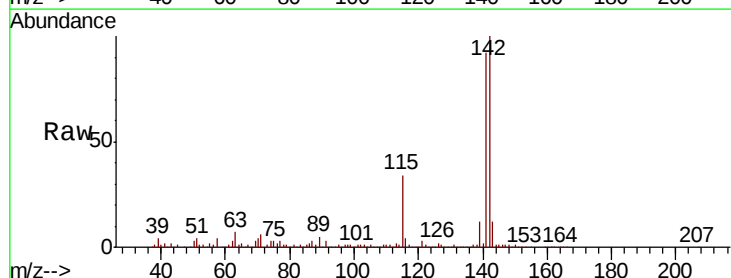
Instrument :
BNA_M
ClientSampled :

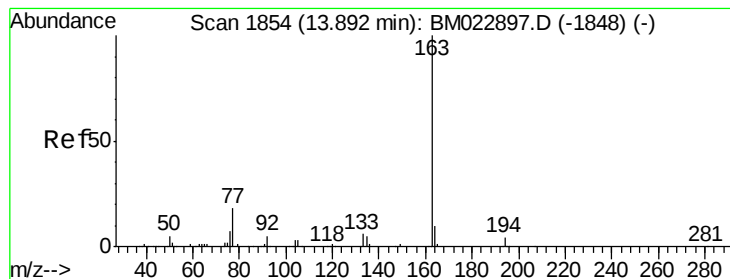
Tot Ion:142 Resp: 1414709
Ion Ratio Lower Upper
142 100
141 88.6 71.2 106.8



#35
1-Methylnaphthalene
Concen: 19.019 ng/ul
RT: 12.47 min Scan# 1612
Delta R.T. -0.02 min
Lab File: BM022922.D
Acq: 03 Oct 2019 16:12

Tgt Ion:142 Resp: 756603
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.6
116 3.9 2.9 4.3





#45

Dimethylphthalate

Concen: 2.130 ng/ul

RT: 13.89 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampled :

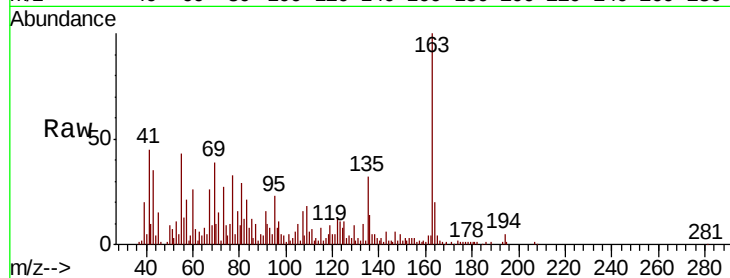
Tot Ion:163 Resp: 107646

Ion Ratio Lower Upper

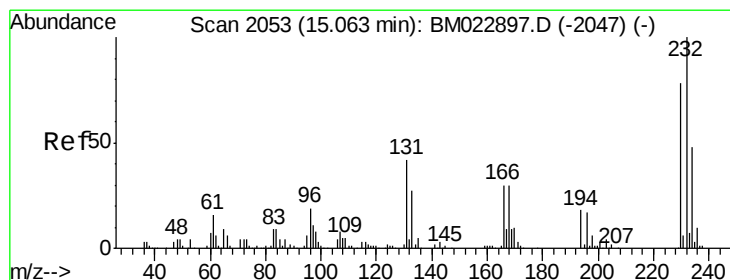
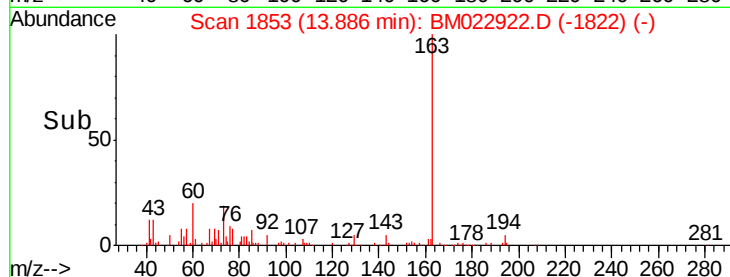
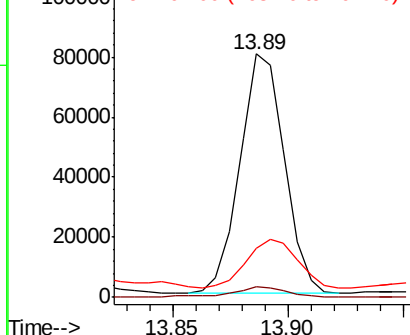
163 100

194 4.6 3.4 5.0

164 20.2 8.1 12.1#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

2,3,4,6-Tetrachlorophenol

Concen: 1.295 ng/ul

RT: 15.06 min Scan# 2052

Delta R.T. -0.02 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Tgt Ion:232 Resp: 17147

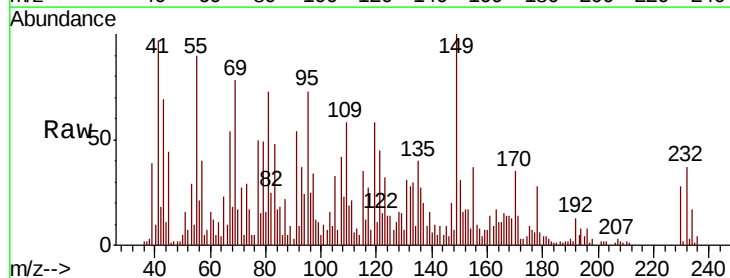
Ion Ratio Lower Upper

232 100

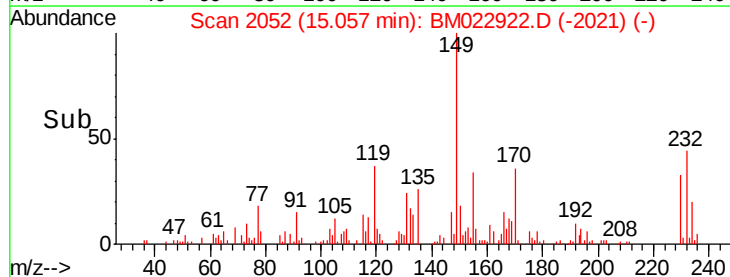
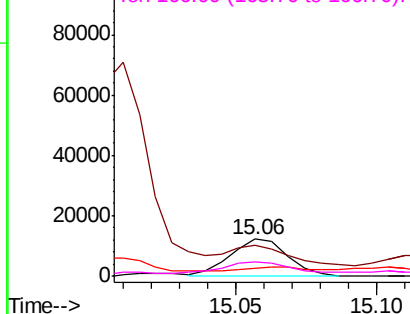
131 83.7 32.5 48.7#

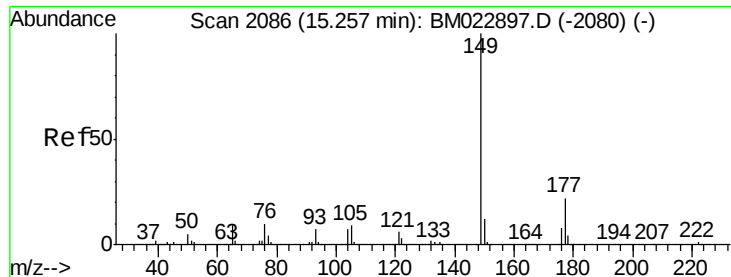
130 19.3 1.6 2.4#

166 39.4 23.4 35.2#



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#57

Diethylphthalate

Concen: 1.805 ng/ul

RT: 15.27 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampled :

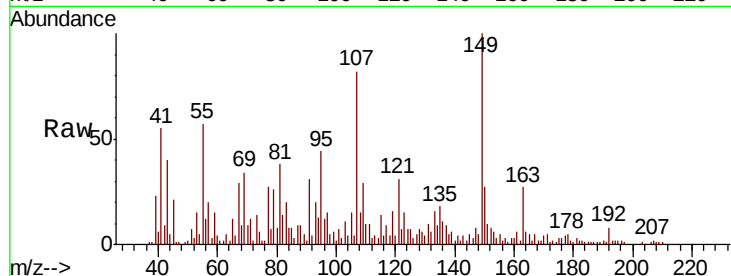
Tot Ion:149 Resp: 91579

Ion Ratio Lower Upper

149 100

177 3.5 17.8 26.8#

150 26.6 9.8 14.6#

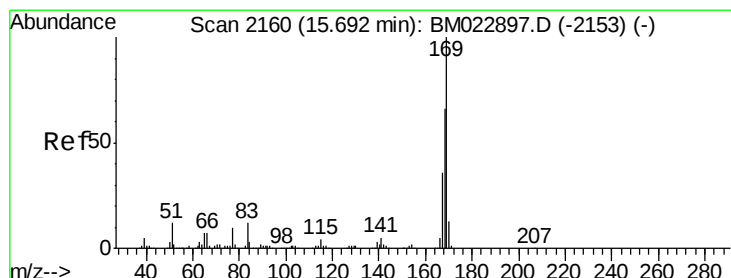
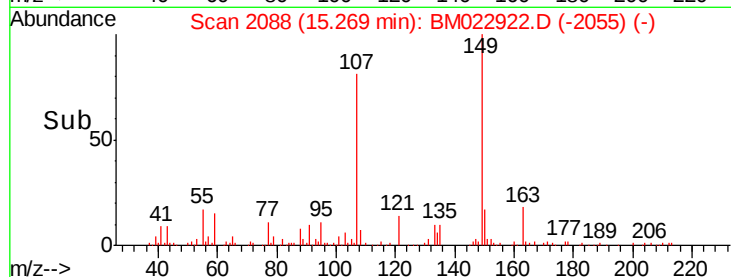
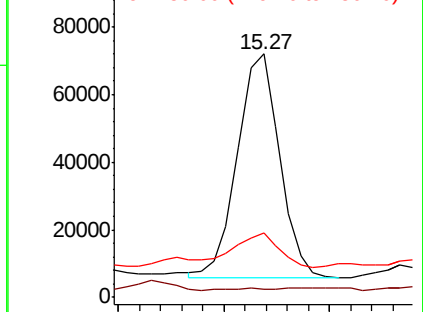


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#65

N-Nitrosodiphenylamine

Concen: 1.568 ng/ul

RT: 15.69 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

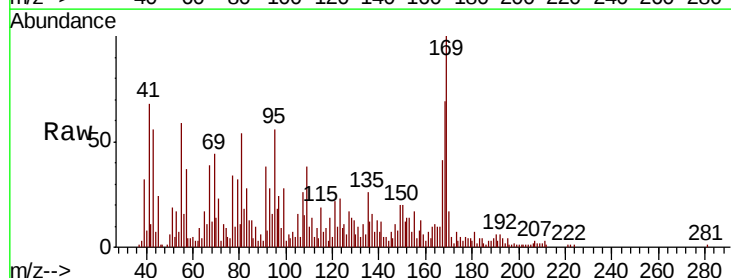
Tgt Ion:169 Resp: 64145

Ion Ratio Lower Upper

169 100

168 69.4 53.2 79.8

167 41.4 28.8 43.2

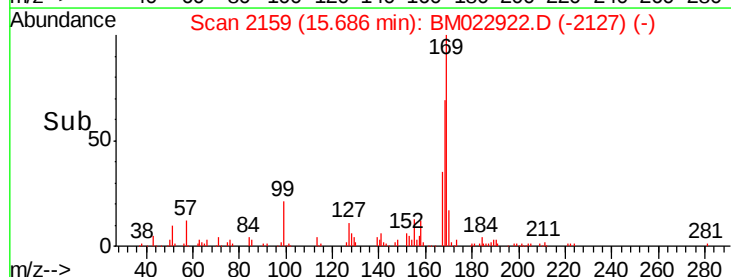
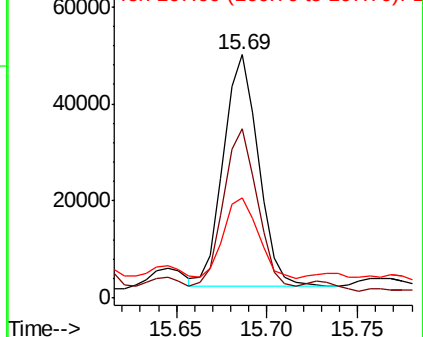


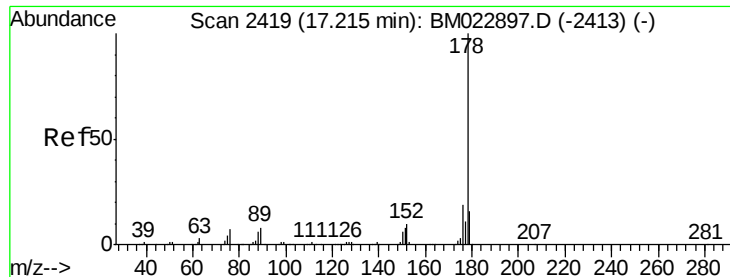
Abundance

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

Phenanthrene

Concen: 1.793 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

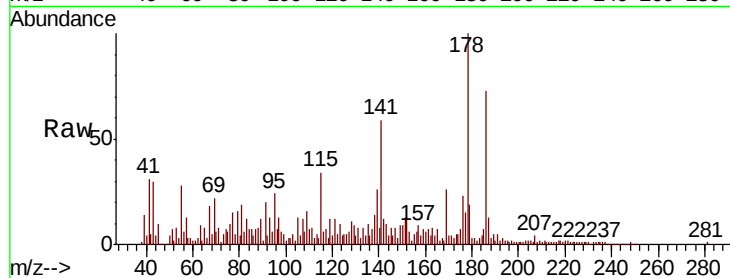
Tot Ion:178 Resp: 133206

Ion Ratio Lower Upper

178 100

179 19.3 12.4 18.6#

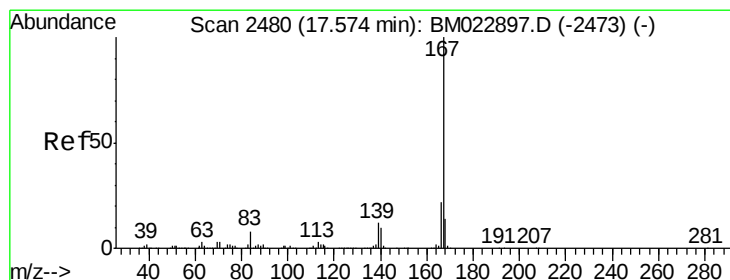
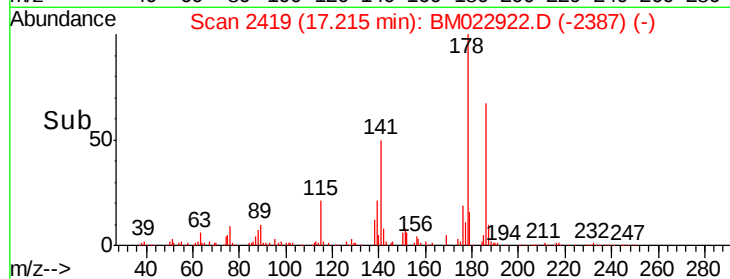
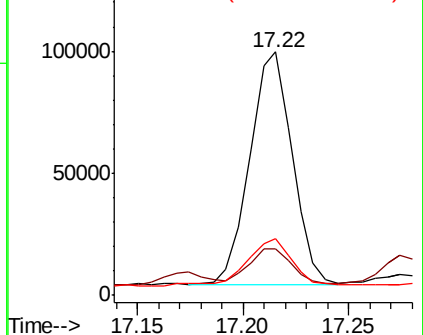
176 23.1 15.3 22.9#



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



#75

Carbazole

Concen: 2.738 ng/ul

RT: 17.57 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

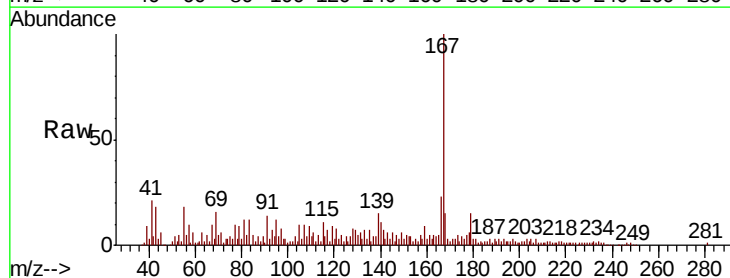
Tgt Ion:167 Resp: 184155

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

139 15.4 9.9 14.9#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

