

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 :
 BFDG6

Manual Integrations
 APPROVED

Quant Time: Oct 04 15:11:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 04 02:36:53 2019
 Response via : Initial Calibration

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Internal Standards R.T. QIon Response Conc Units Dev(Min) 10/4/2019 10:13:34 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	240955	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	1028691	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.43	164	633974	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.17	188	1244506	20.00	ng/ul	0.00
78) Chrysene-d12	21.35	240	1006786	20.00	ng/ul	0.00
86) Perylene-d12	23.62	264	990192	20.00	ng/ul	0.00

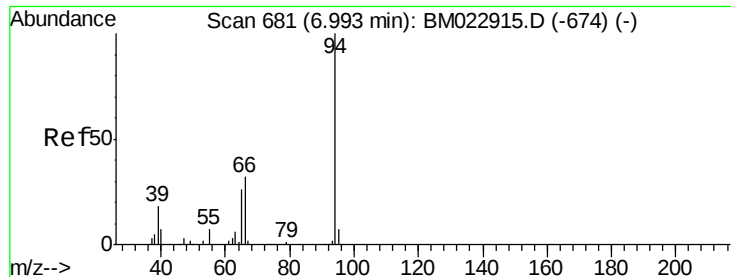
System Monitoring Compounds

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	0.00
9) 2-Chlorophenol-d4	7.33	132	450713	26.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	321839	18.46	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	276290	34.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	303539	35.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	545809	31.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	666342	31.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.85	166	1665079	33.84	ng/ul	0.00
47) Acenaphthylene-d8	14.12	160	1993340	35.09	ng/ul	0.00
52) 4-Nitrophenol-d4	14.64	143	87199	8.97	ng/ul	0.01
58) Fluorene-d10	15.43	176	1463253	34.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.54	200	239388	29.56	ng/ul	0.00
71) Anthracene-d10	17.27	188	2267193	37.31	ng/ul	0.00
79) Pyrene-d10	19.56	212	2344472	43.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.47	264	1899986	37.09	ng/ul	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
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
16) 4-Methylphenol	8.58	108	2979337	156.641	ng/ul	96
24) 2,4-Dimethylphenol	9.77	107	2221518m	115.075	ng/ul	
28) Naphthalene	10.64	128	4643742	83.587	ng/ul	98
34) 2-Methylnaphthalene	12.25	142	1414709	33.964	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
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



#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

Instrument :

BNA_M

ClientSampleId :

BFDG6

Tot Ion: 94 Resp: 2698566

Ion Ratio Lower Upper

94 100

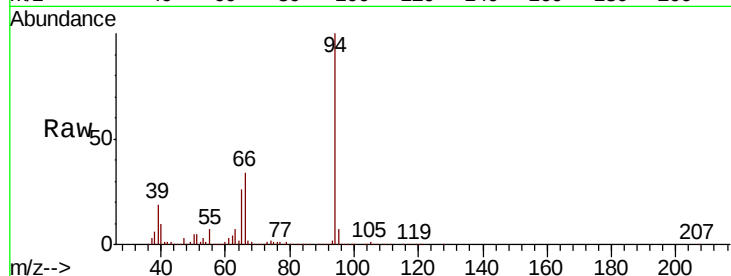
65 26.1 20.9 31.3

66 33.9 27.2 40.8

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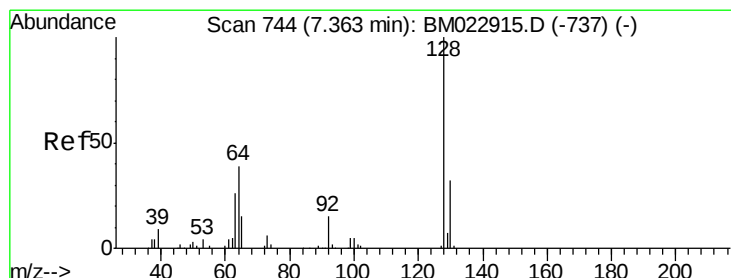
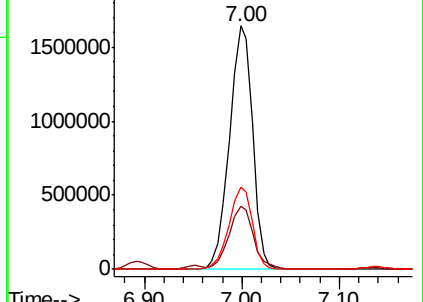
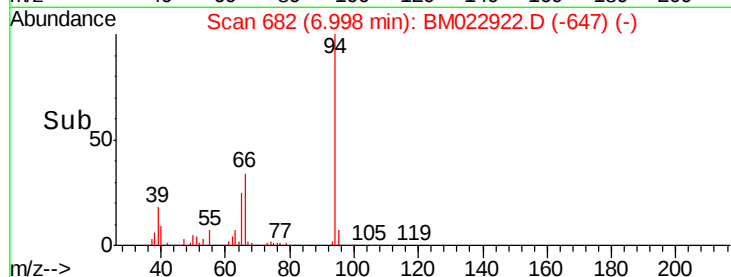
10/4/2019 10:13:34 AM



Abundance Ion 94.00 (93.70 to 94.70): BM022915.D (-674) (-)

Ion 65.00 (64.70 to 65.70): BM022915.D (-674) (-)

Ion 66.00 (65.70 to 66.70): BM022915.D (-674) (-)



#10

2-Chlorophenol

Concen: 3.216 ng/ul

RT: 7.36 min Scan# 744

Delta R.T. -0.00 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

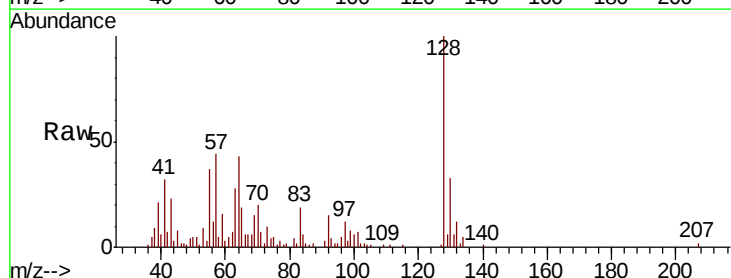
Tgt Ion:128 Resp: 59139

Ion Ratio Lower Upper

128 100

64 42.7 34.1 51.1

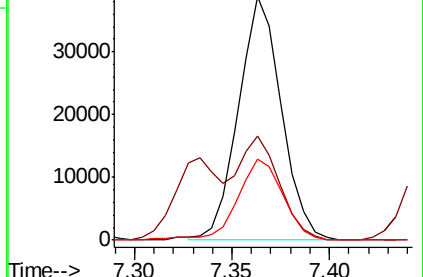
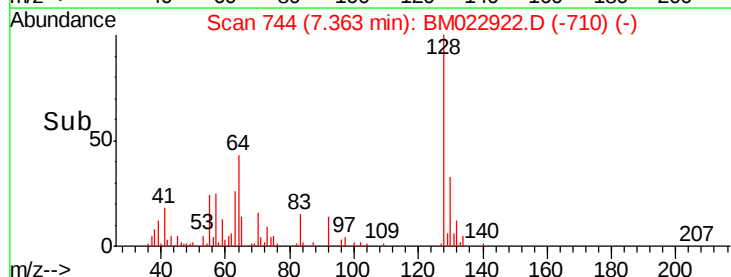
130 33.4 26.0 39.0

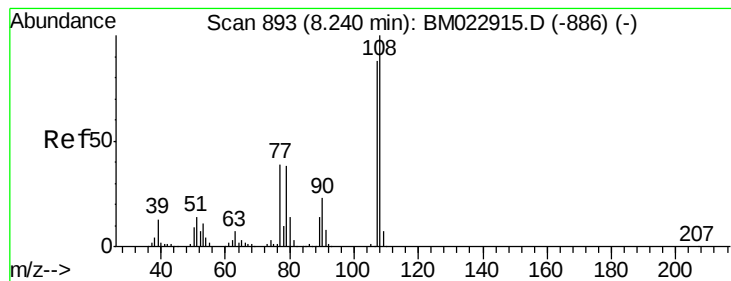


Abundance Ion 128.00 (127.70 to 128.70): BM022915.D (-737) (-)

Ion 64.00 (63.70 to 64.70): BM022915.D (-737) (-)

Ion 130.00 (129.70 to 130.70): BM022915.D (-737) (-)





#11

2-Methylphenol

Concen: 40.112 ng/ul

RT: 8.24 min Scan# 893

Delta R.T. -0.00 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

BFDG6

Tot Ion:108 Resp: 689992

Ion Ratio Lower Upper

108 100

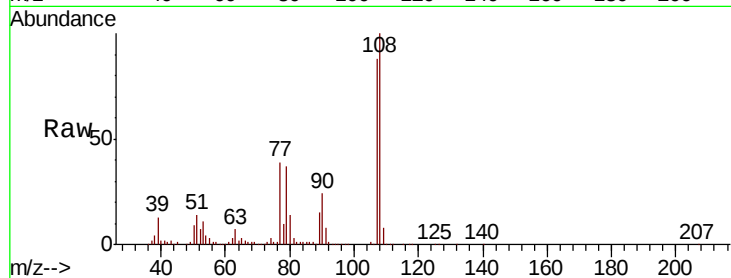
107 88.3 71.0 106.4

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.24

500000

400000

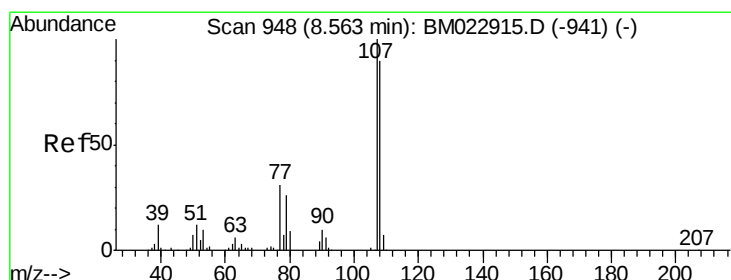
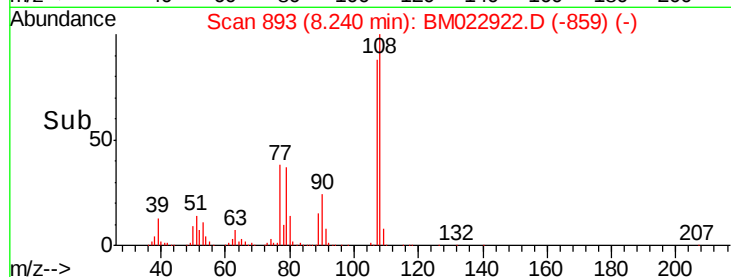
300000

200000

100000

0

Time--> 8.15 8.20 8.25 8.30



#16

4-Methylphenol

Concen: 156.641 ng/ul

RT: 8.58 min Scan# 951

Delta R.T. 0.02 min

Lab File: BM022922.D

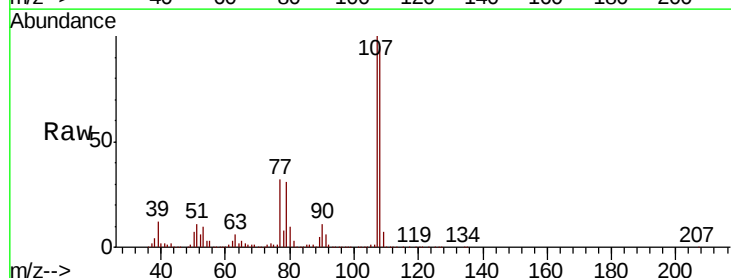
Acq: 03 Oct 2019 16:12

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

8.58

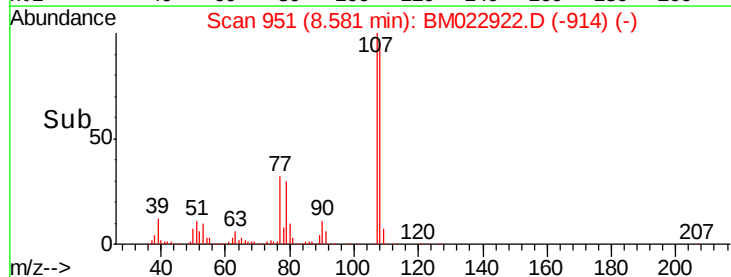
1500000

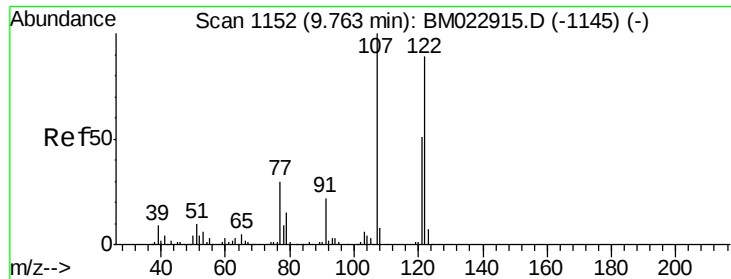
1000000

500000

0

Time--> 8.50 8.60 8.70





#24

2,4-Dimethylphenol

Concen: 115.075 ng/ul m

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 :

BFDG6

Tot Ion:107 Resp: 2221518

Ion Ratio Lower Upper

107 100

121 52.6 43.0 64.4

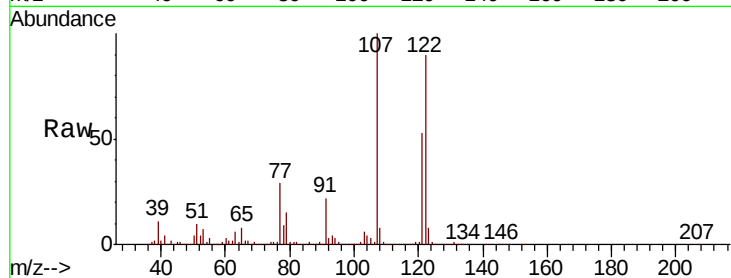
122 89.8 71.4 107.0

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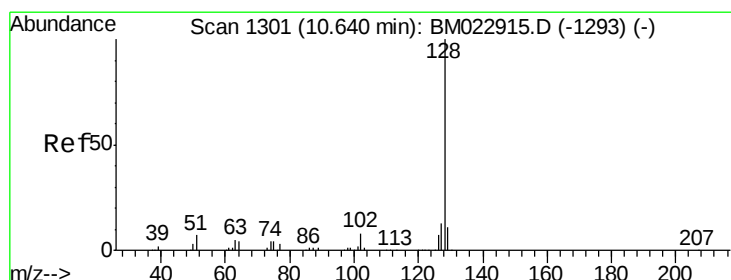
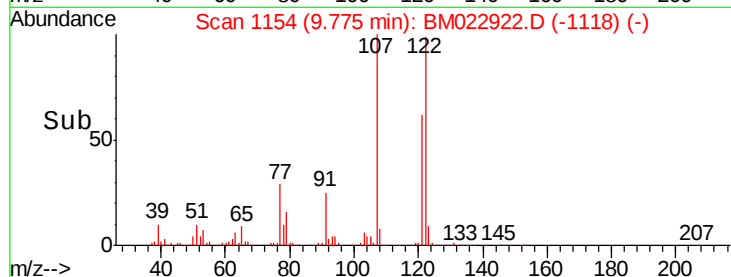
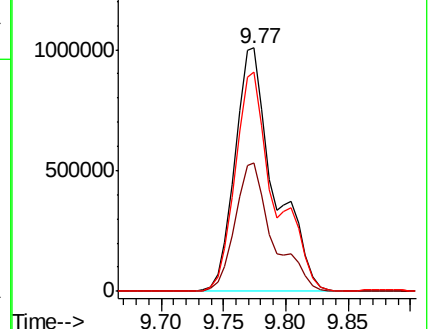
10/4/2019 10:13:34 AM



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. -0.00 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

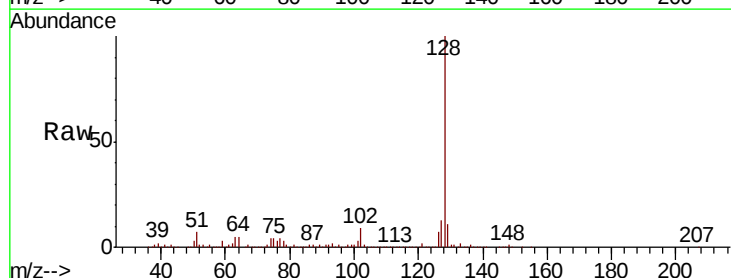
Tgt Ion:128 Resp: 4643742

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

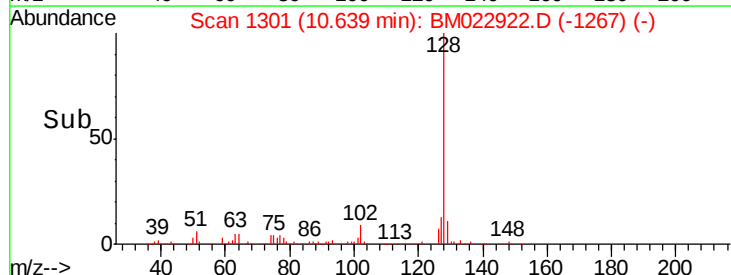
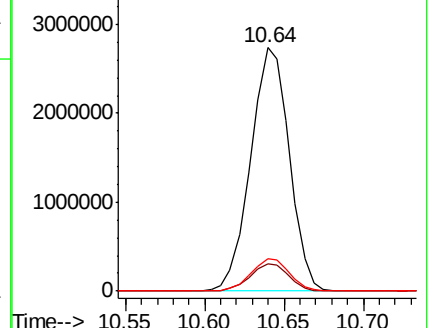
127 13.3 10.2 15.4

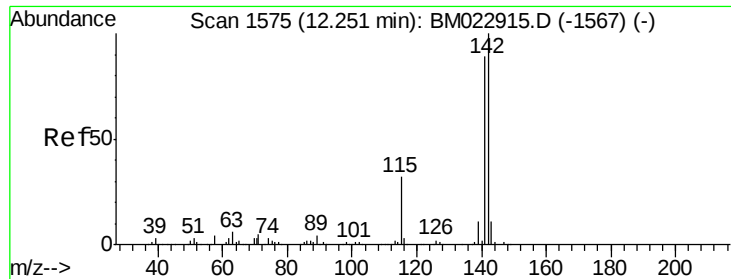


Abundance Ion 128.00 (127.70 to 128.70): E

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. -0.00 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

BFDG6

Tot Ion:142 Resp: 1414709

Ion Ratio Lower Upper

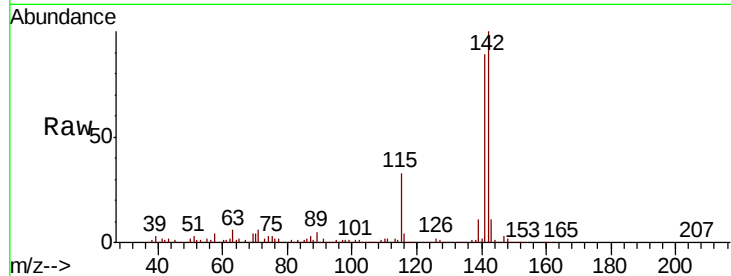
142 100

141 88.6 71.2 106.8

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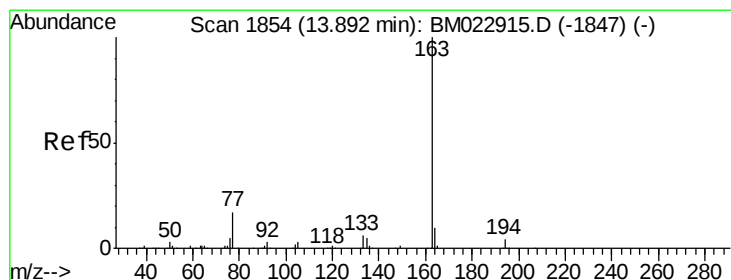
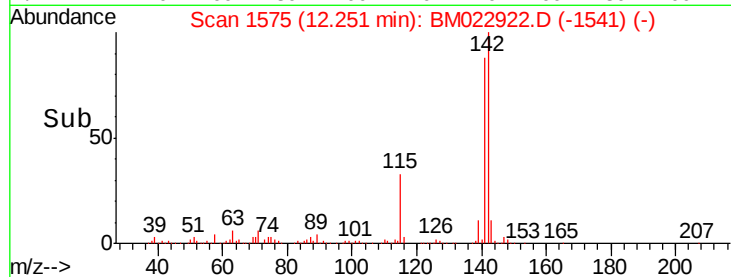
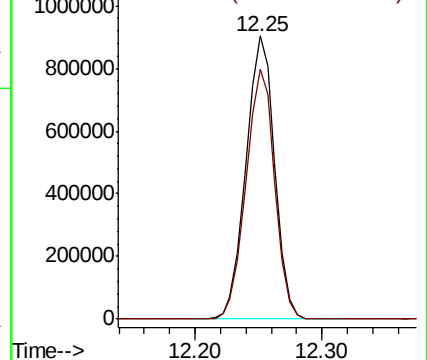
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#45

Dimethylphthalate

Concen: 2.130 ng/ul

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

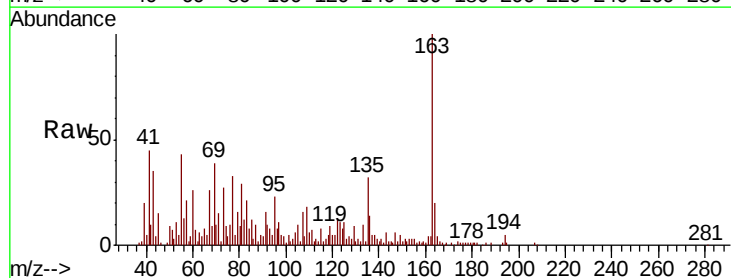
Tgt Ion:163 Resp: 107646

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

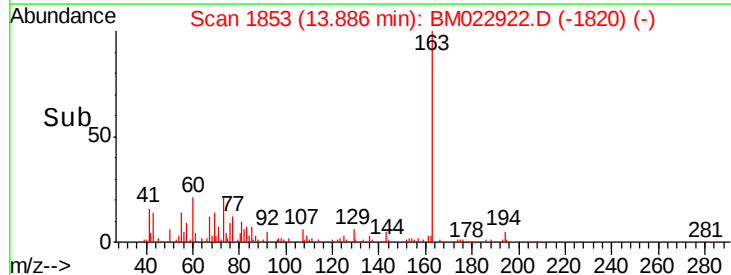
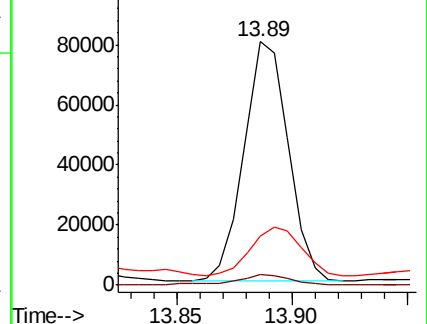
164 20.2 8.1 12.1#

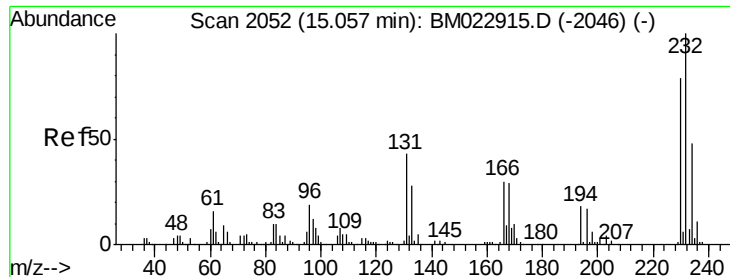


Abundance Ion 163.00 (162.70 to 163.70): E

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. -0.00 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

BFDG6

Tot Ion:232 Resp: 17147
Ion Ratio Lower Upper

232 100

131 83.7 32.5 48.7#

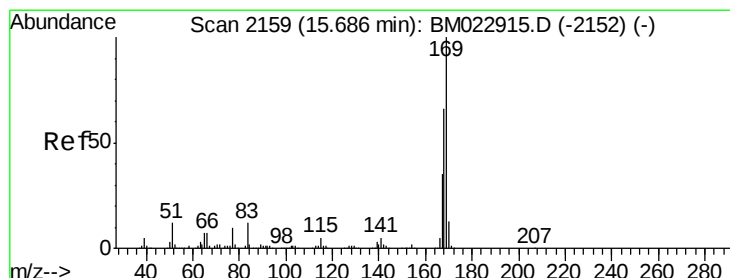
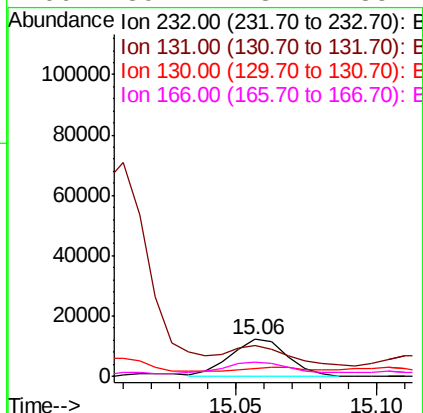
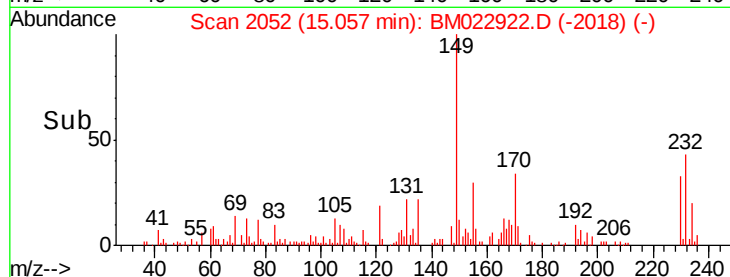
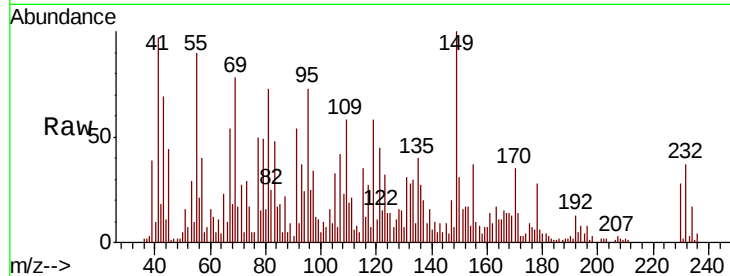
130 19.3 1.6 2.4#

166 39.4 23.4 35.2#

Manual Integrations
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10/4/2019 10:13:34 AM



#65

N-Nitrosodiphenylamine

Concen: 1.568 ng/ul

RT: 15.69 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BM022922.D

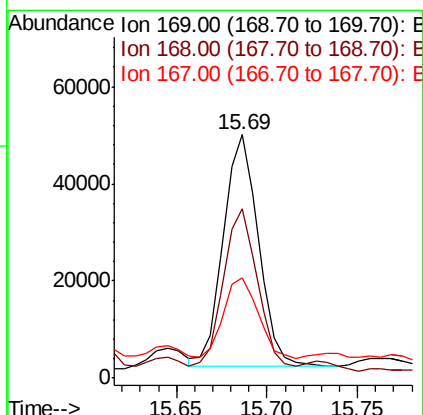
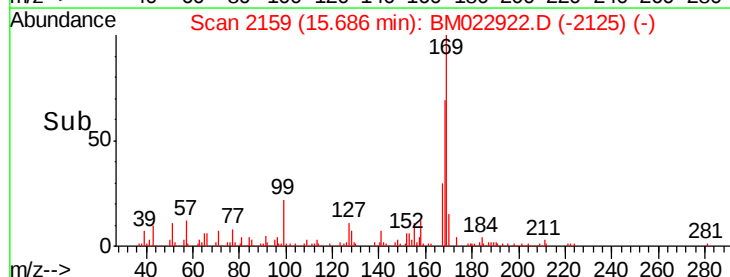
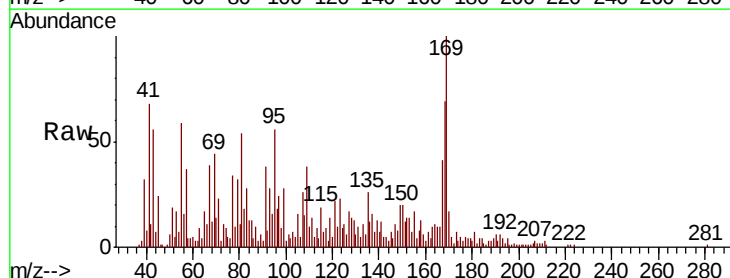
Acq: 03 Oct 2019 16:12

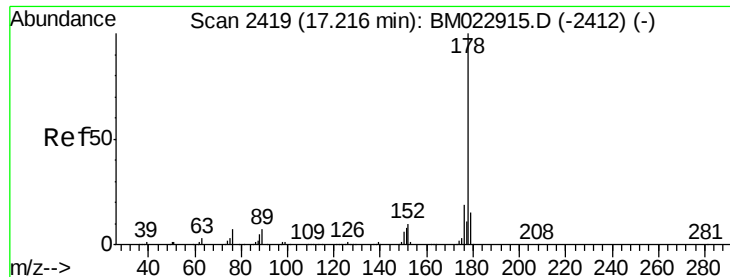
Tgt Ion:169 Resp: 64145
Ion Ratio Lower Upper

169 100

168 69.4 53.2 79.8

167 41.4 28.8 43.2





#70

Phenanthrene

Concen: 1.793 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

Instrument :

BNA_M

ClientSampleId :

BFDG6

Tot Ion:178 Resp: 133206

Ion Ratio Lower Upper

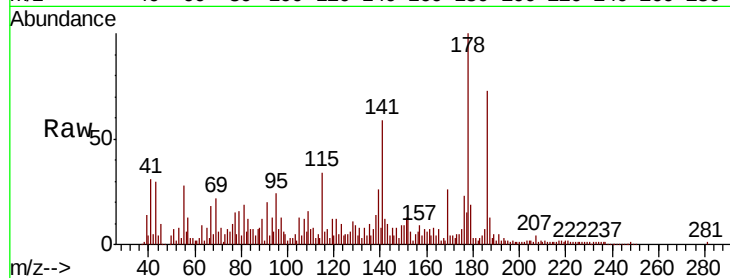
178 100

179 19.3 12.4 18.6#

176 23.1 15.3 22.9#

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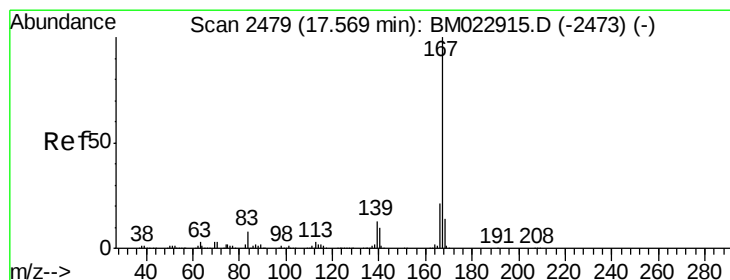
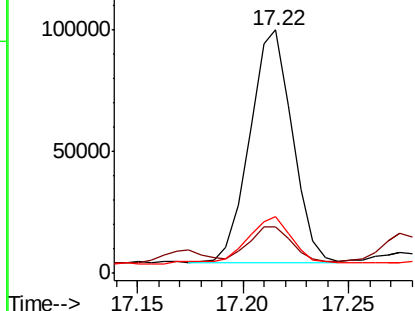
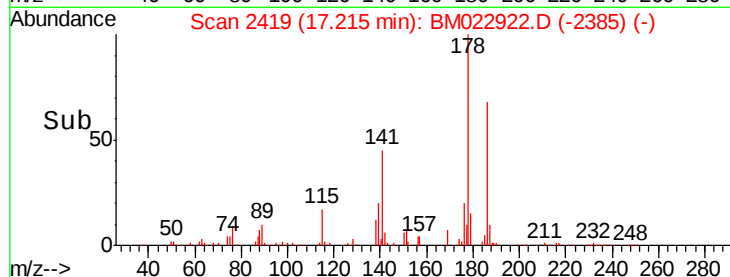


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

10/4/2019 10:13:34 AM



#75

Carbazole

Concen: 2.738 ng/ul

RT: 17.57 min Scan# 2479

Delta R.T. -0.00 min

Lab File: BM022922.D

Acq: 03 Oct 2019 16:12

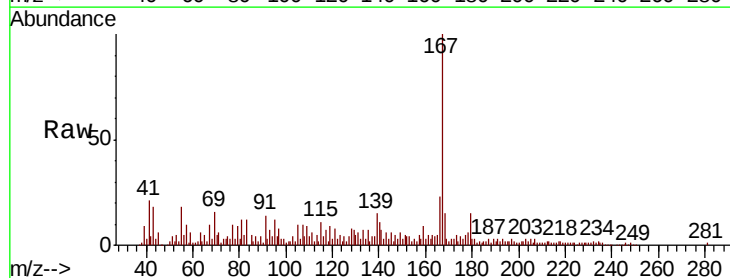
Tgt Ion:167 Resp: 184155

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

