

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
 Data File : BM022920.D
 Acq On : 03 Oct 2019 15:00
 Operator : JU
 Sample : K4932-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFDG4

Quant Time: Oct 04 01:21:36 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	7.79	152	231980	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.59	136	1004398	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.43	164	612093	20.00	ng/ul	-0.02
62) Phenanthrene-d10	17.17	188	1199919	20.00	ng/ul	-0.02
78) Chrysene-d12	21.35	240	937084	20.00	ng/ul	-0.02
86) Perylene-d12	23.61	264	899224	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	30579	5.70	ng/uL	0.00
5) Phenol-d5	6.96	99	147778	7.21	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.13	67	312971	27.90	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.33	132	389093	23.57	ng/ul	-0.02
13) 4-Methylphenol-d8	8.50	113	270385	16.11	ng/ul	-0.02
19) Nitrobenzene-d5	8.95	128	234562	30.26	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.67	143	249357	29.46	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.21	165	465890	27.64	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.72	131	623325	30.44	ng/ul	-0.02
44) Dimethylphthalate-d6	13.84	166	1466696	30.87	ng/ul	-0.02
47) Acenaphthylene-d8	14.12	160	1738030	31.69	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.63	143	66469	7.08	ng/ul	-0.01
58) Fluorene-d10	15.42	176	1324341	32.71	ng/ul	-0.02
63) 4,6-Dinitro-2-methylphenol	15.54	200	199831	25.59	ng/ul	-0.02
71) Anthracene-d10	17.27	188	2092199	35.71	ng/ul	-0.02
79) Pyrene-d10	19.56	212	2158530	42.80	ng/ul	-0.02
90) Benzo(a)pyrene-d12	23.47	264	1715697	36.88	ng/ul	-0.03

Target Compounds

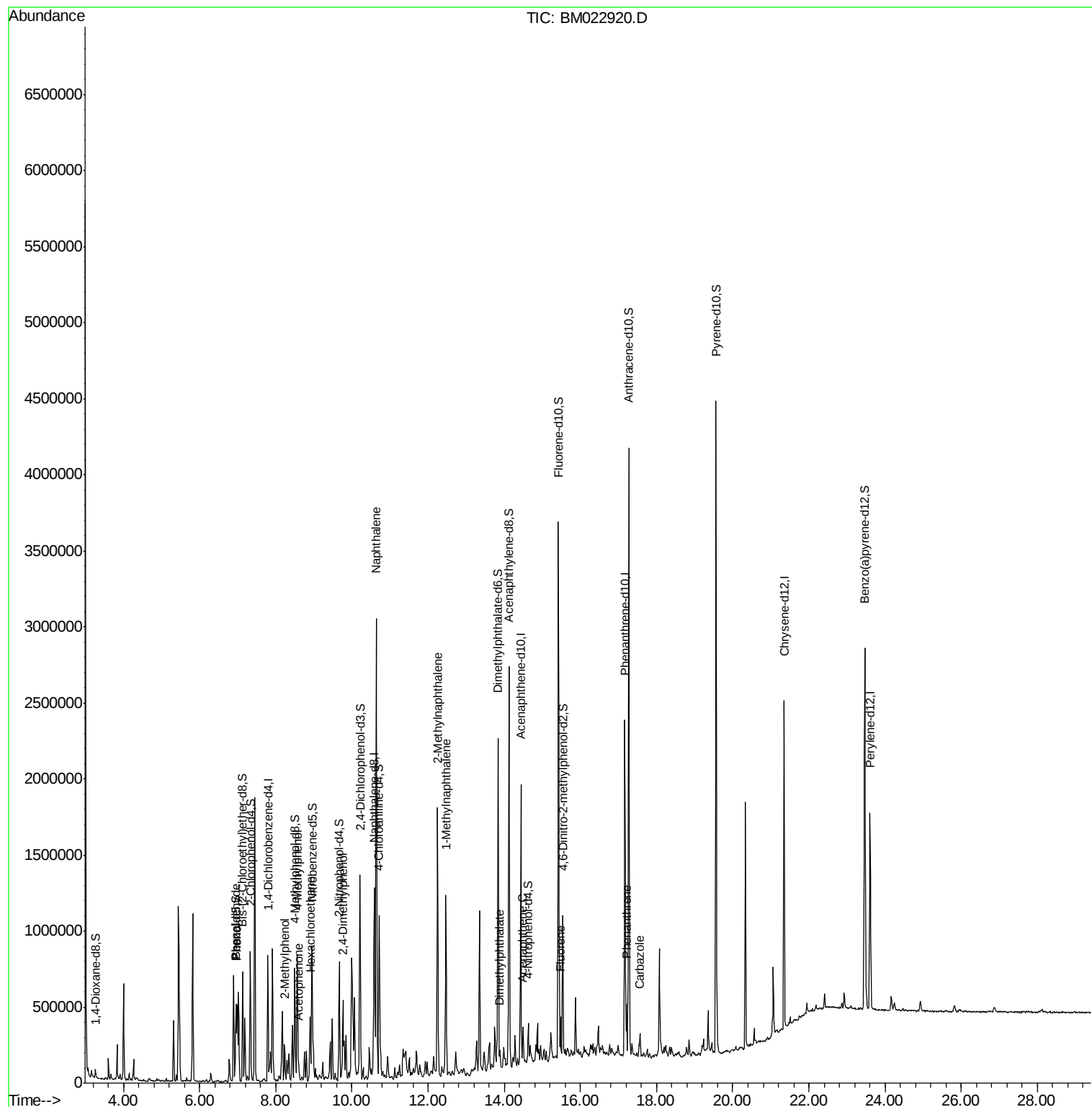
					Ovalue
4) Benzaldehyde	6.95	77	50067	5.390	ng/ul# 1
6) Phenol	6.99	94	282346	13.140	ng/ul 99
11) 2-Methylphenol	8.24	108	82008	4.952	ng/ul 97
14) Acetophenone	8.60	105	80927	3.155	ng/ul# 42
16) 4-Methylphenol	8.56	108	341265	18.636	ng/ul 97
17) Hexachloroethane	8.90	117	53895	8.010	ng/ul# 6
24) 2,4-Dimethylphenol	9.76	107	191087	10.138	ng/ul 99
28) Naphthalene	10.64	128	2413502	44.494	ng/ul 99
34) 2-Methylnaphthalene	12.25	142	826953	20.333	ng/ul 100
35) 1-Methylnaphthalene	12.47	142	551279	14.193	ng/ul 99
45) Dimethylphthalate	13.89	163	63957	1.311	ng/ul 97
50) Acenaphthene	14.49	153	96432	2.338	ng/ul 100
59) Fluorene	15.48	166	83980	1.764	ng/ul 99
70) Phenanthrene	17.21	178	198286	2.769	ng/ul 99
75) Carbazole	17.57	167	94858	1.463	ng/ul 98

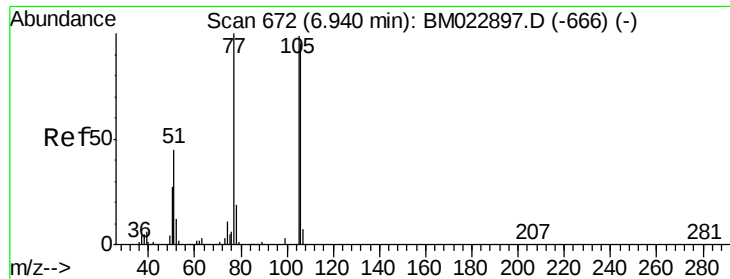
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#4

Benzaldehyde

Concen: 5.390 ng/ul

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

Instrument :

BNA_M

ClientSampled :

BFDG4

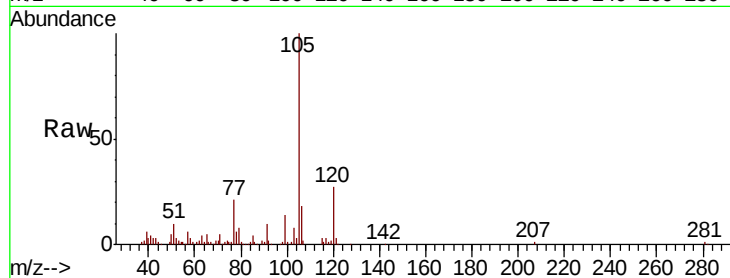
Tot Ion: 77 Resp: 50067

Ion Ratio Lower Upper

77 100

105 467.2 80.6 120.8#

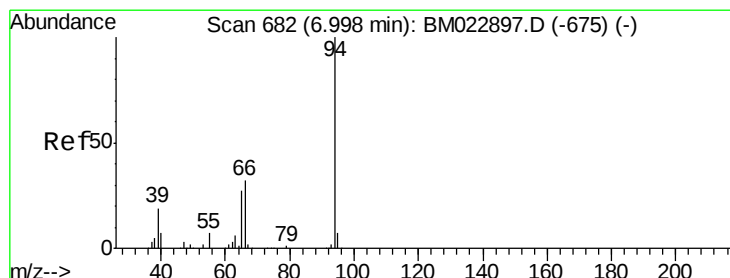
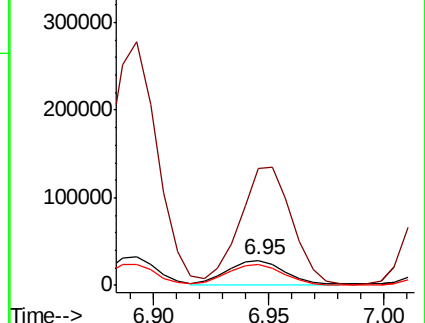
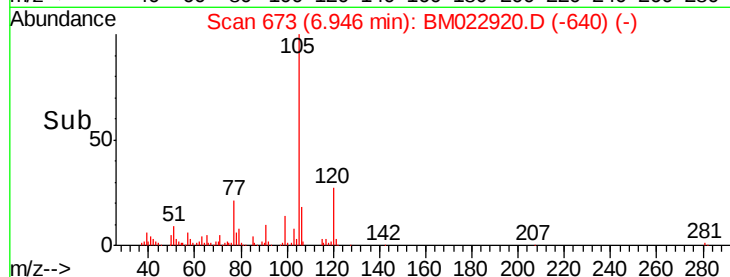
106 84.9 77.0 115.6



Abundance Ion 77.00 (76.70 to 77.70): BM022920.D (-640) (-)

Ion 105.00 (104.70 to 105.70): BM022920.D (-640) (-)

Ion 106.00 (105.70 to 106.70): BM022920.D (-640) (-)



#6

Phenol

Concen: 13.140 ng/ul

RT: 6.99 min Scan# 681

Delta R.T. -0.01 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

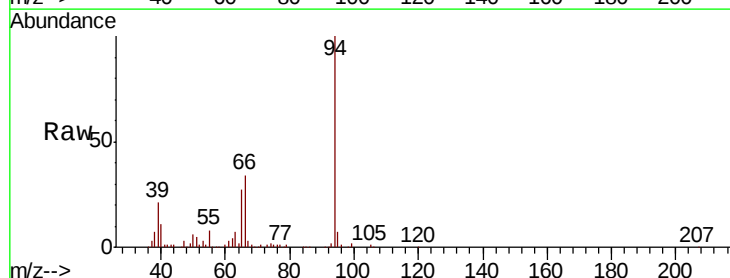
Tgt Ion: 94 Resp: 282346

Ion Ratio Lower Upper

94 100

65 26.6 20.9 31.3

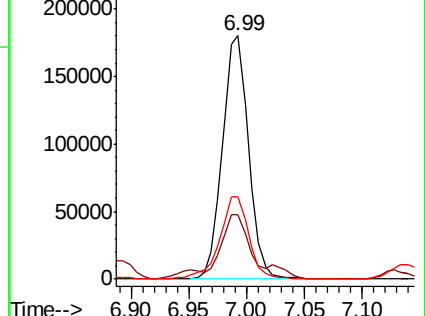
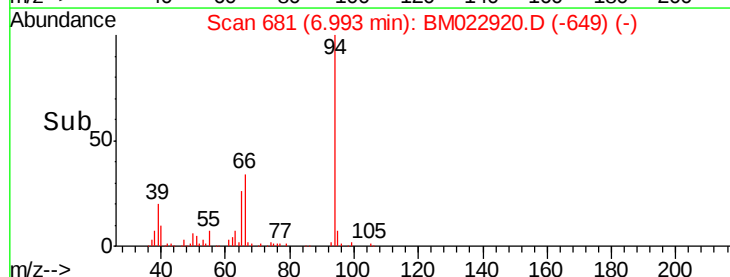
66 33.8 27.2 40.8

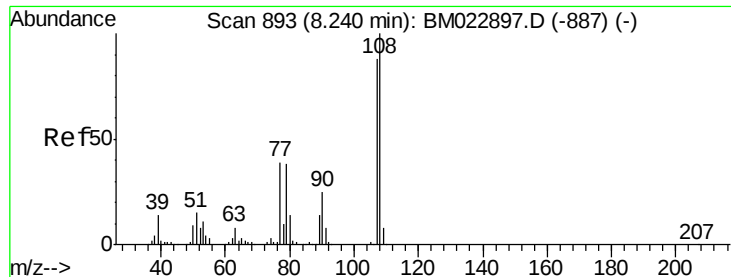


Abundance Ion 94.00 (93.70 to 94.70): BM022920.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BM022920.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BM022920.D (-649) (-)





#11

2-Methylphenol

Concen: 4.952 ng/ul

RT: 8.24 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

Instrument :

BNA_M

ClientSampleId :

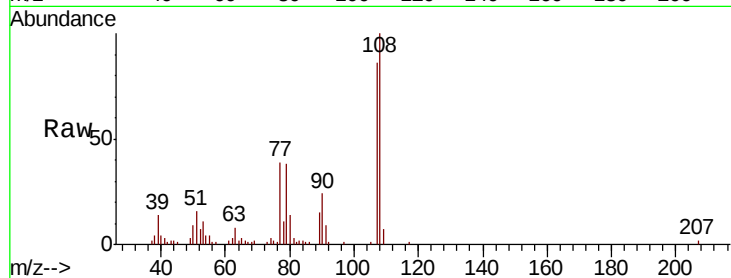
BFDG4

Tot Ion:108 Resp: 82008

Ion Ratio Lower Upper

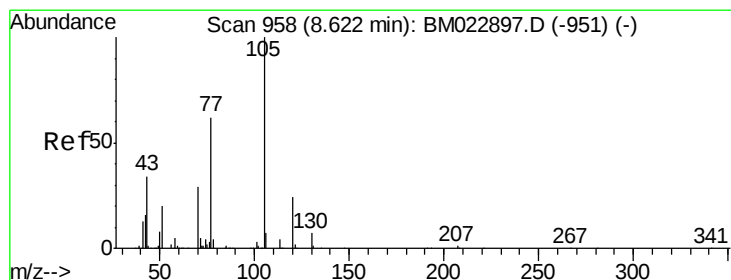
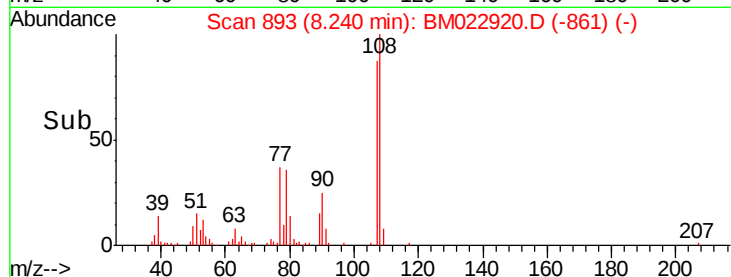
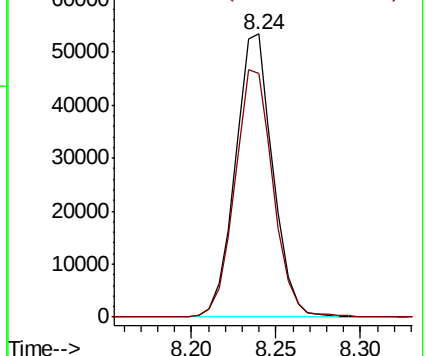
108 100

107 86.1 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: 3.155 ng/ul

RT: 8.60 min Scan# 955

Delta R.T. -0.03 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

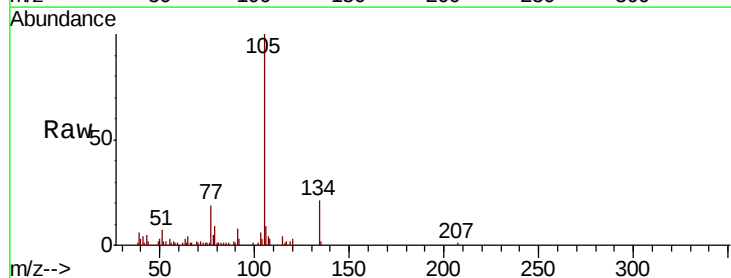
Tgt Ion:105 Resp: 80927

Ion Ratio Lower Upper

105 100

77 18.9 59.4 89.0#

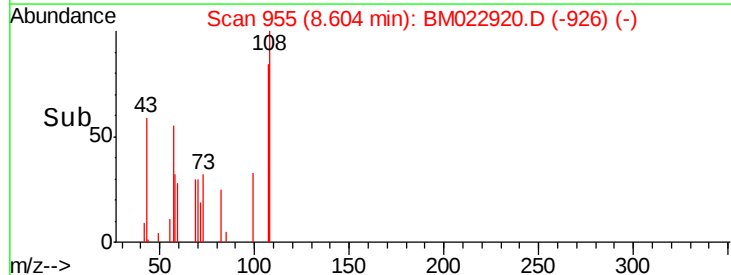
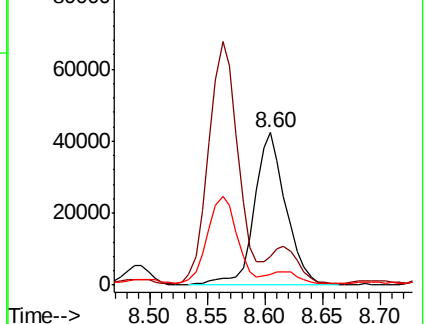
51 7.0 19.4 29.0#

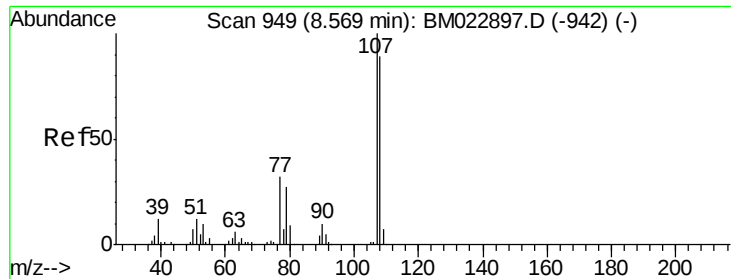


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0





#16

4-Methylphenol

Concen: 18.636 ng/ul

RT: 8.56 min Scan# 948

Delta R.T. -0.02 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

Instrument :

BNA_M

ClientSampleId :

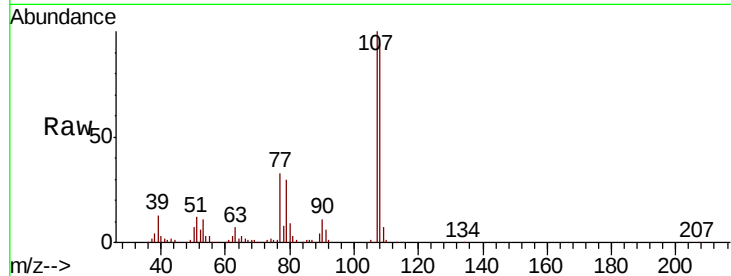
BFDG4

Tot Ion:108 Resp: 341265

Ion Ratio Lower Upper

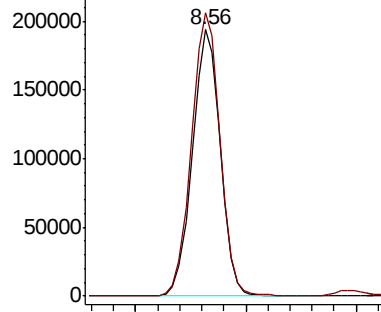
108 100

107 106.3 87.9 131.9

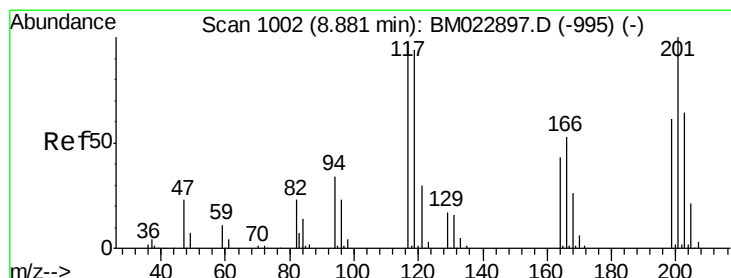
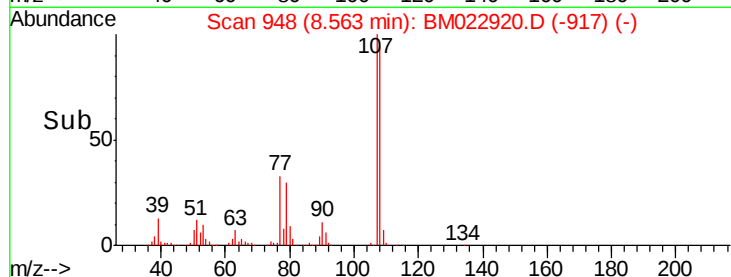


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



Time-->



#17

Hexachloroethane

Concen: 8.010 ng/ul

RT: 8.90 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

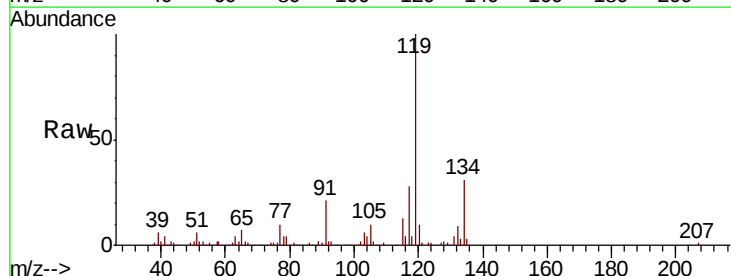
Tgt Ion:117 Resp: 53895

Ion Ratio Lower Upper

117 100

201 0.0 82.5 123.7#

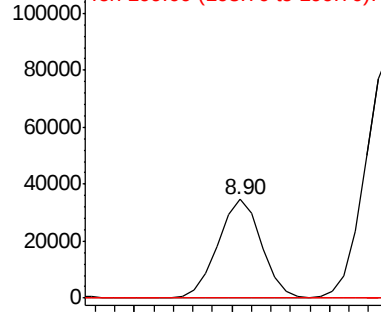
199 0.0 51.6 77.4#



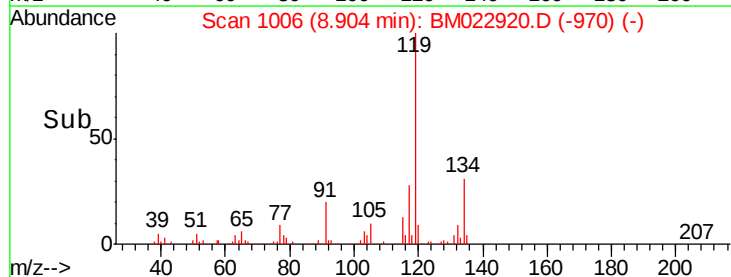
Abundance Ion 117.00 (116.70 to 117.70): E

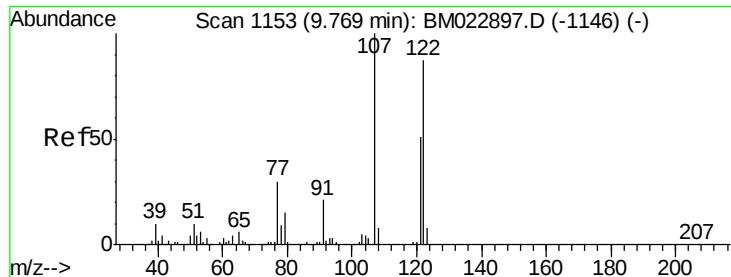
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



Time-->





#24

2,4-Dimethylphenol

Concen: 10.138 ng/ul

RT: 9.76 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

Instrument :

BNA_M

ClientSampleId :

BFDG4

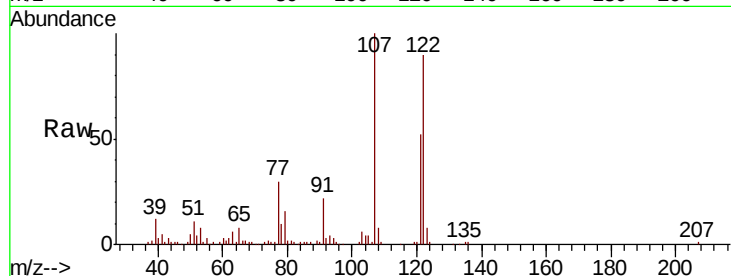
Tot Ion:107 Resp: 191087

Ion Ratio Lower Upper

107 100

121 52.0 43.0 64.4

122 89.8 71.4 107.0

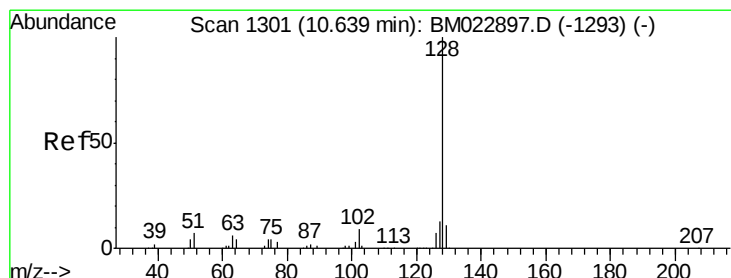
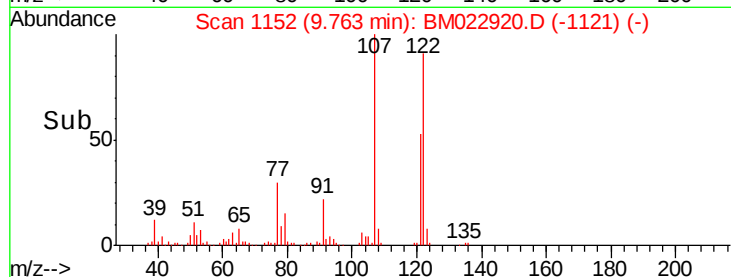
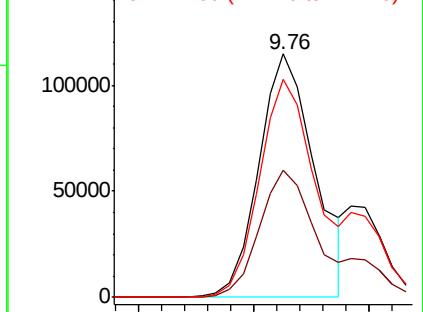


Abundance

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: 44.494 ng/ul

RT: 10.64 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

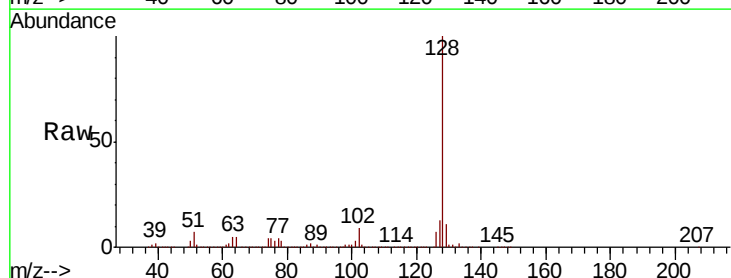
Tgt Ion:128 Resp: 2413502

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 13.2 10.2 15.4

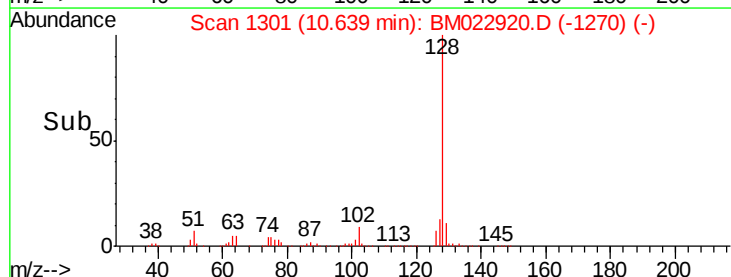
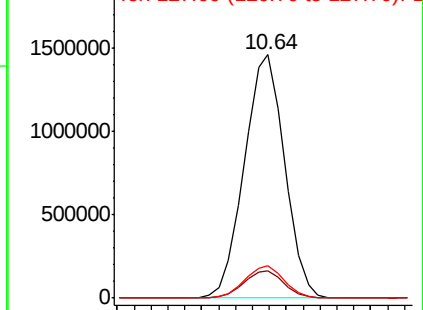


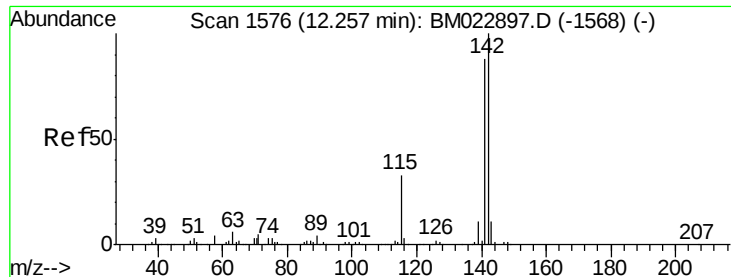
Abundance

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

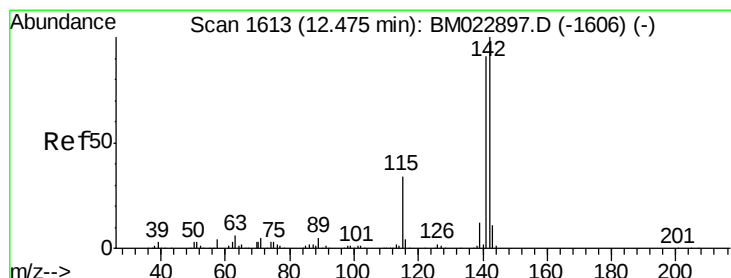
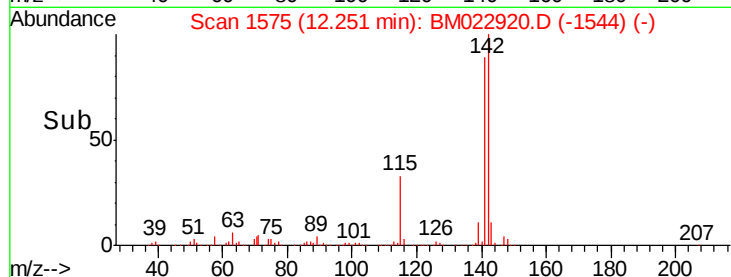
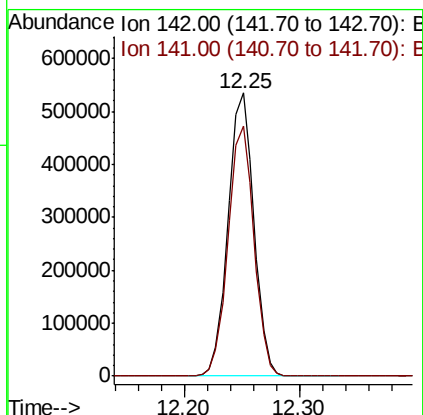
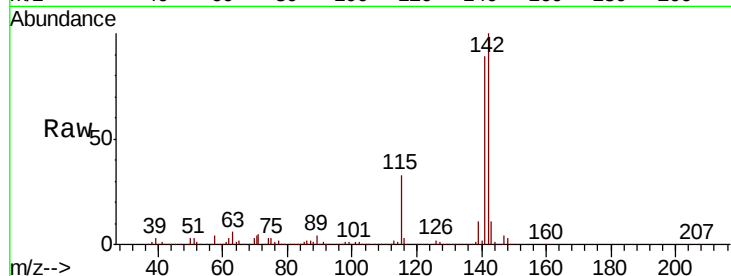




#34
2-Methylnaphthalene
Concen: 20.333 ng/ul
RT: 12.25 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BM022920.D
Acq: 03 Oct 2019 15:00

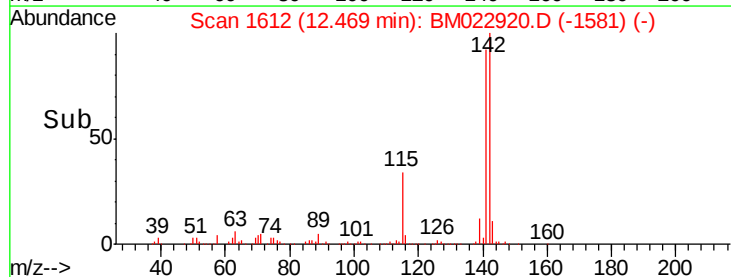
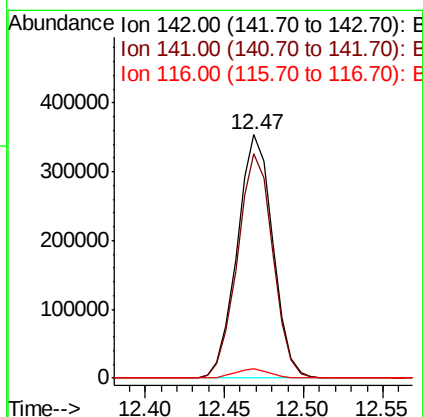
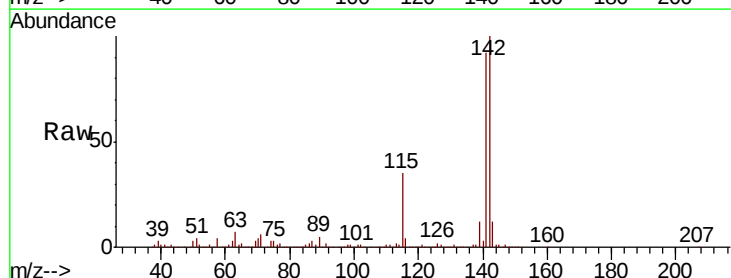
Instrument :
BNA_M
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BFDG4

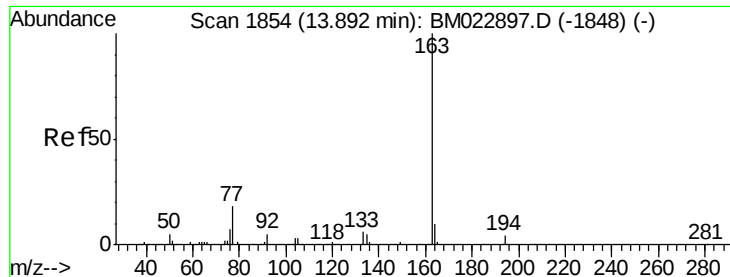
Tot Ion:142 Resp: 826953
Ion Ratio Lower Upper
142 100
141 88.6 71.2 106.8



#35
1-Methylnaphthalene
Concen: 14.193 ng/ul
RT: 12.47 min Scan# 1612
Delta R.T. -0.02 min
Lab File: BM022920.D
Acq: 03 Oct 2019 15:00

Tgt Ion:142 Resp: 551279
Ion Ratio Lower Upper
142 100
141 92.2 73.0 109.6
116 3.8 2.9 4.3

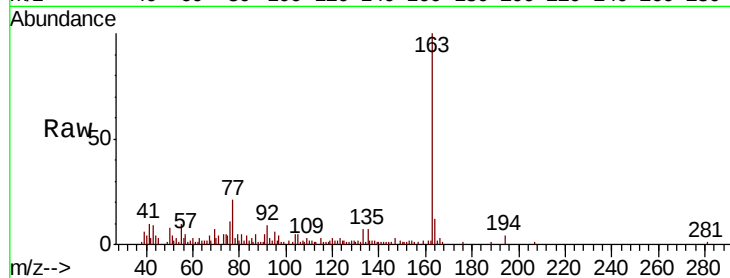




#45
Dimethylphthalate
Concen: 1.311 ng/ul
RT: 13.89 min Scan# 1853
Delta R.T. -0.02 min
Lab File: BM022920.D
Acq: 03 Oct 2019 15:00

Instrument :
BNA_M
ClientSampleId :
BFDG4

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	11.5	8.1	12.1

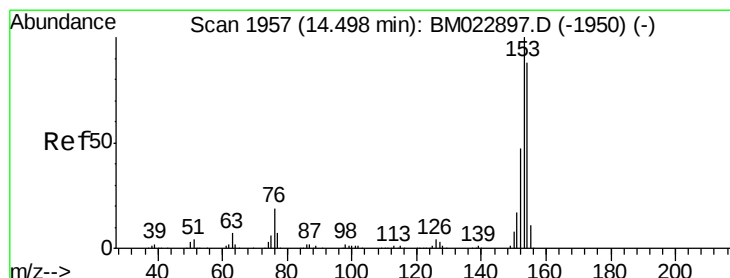
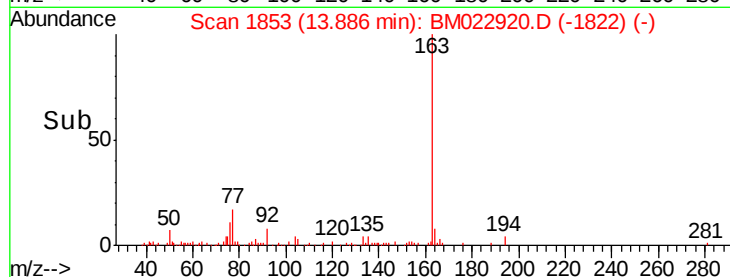
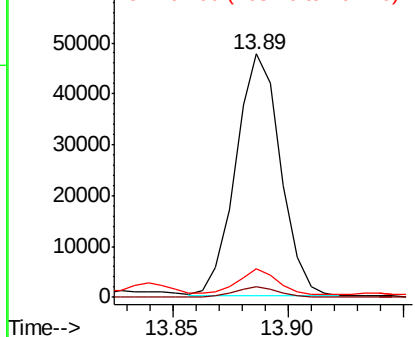


Abundance

Ion 163.00 (162.70 to 163.70): E

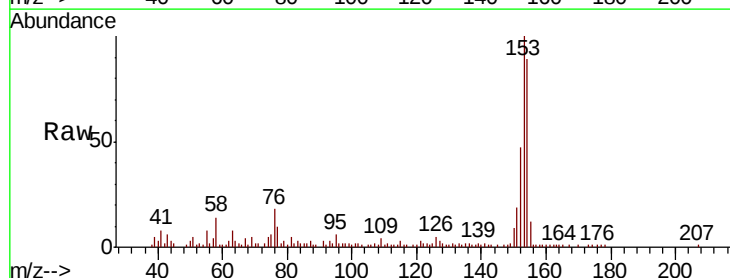
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
Acenaphthene
Concen: 2.338 ng/ul
RT: 14.49 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BM022920.D
Acq: 03 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.4	38.1	57.1
154	88.8	71.1	106.7

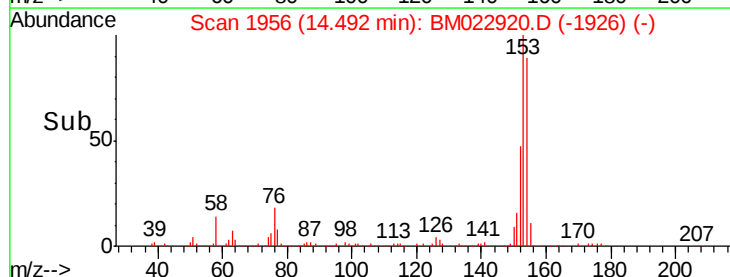
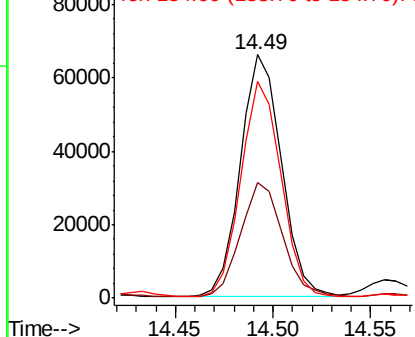


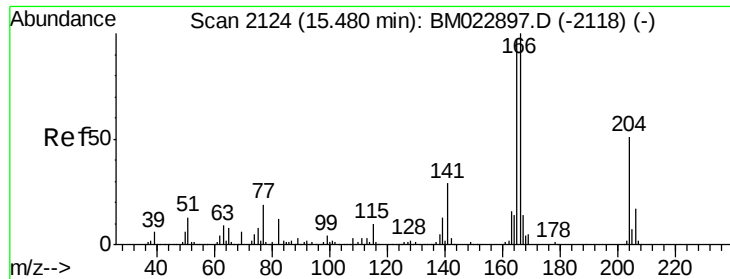
Abundance

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





#59

Fluorene

Concen: 1.764 ng/ul

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

Instrument :

BNA_M

ClientSampleId :

BFDG4

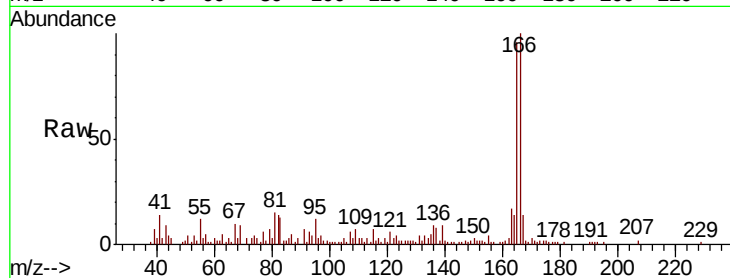
Tot Ion:166 Resp: 83980

Ion Ratio Lower Upper

166 100

165 95.7 77.7 116.5

167 13.6 11.0 16.4

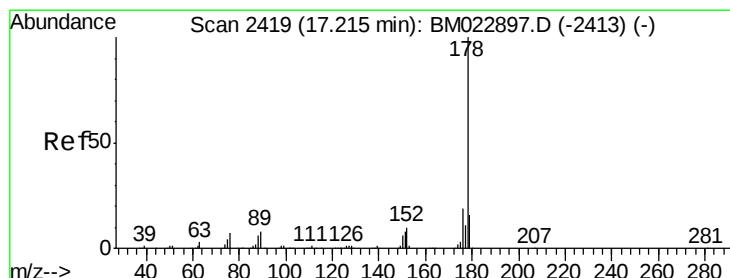
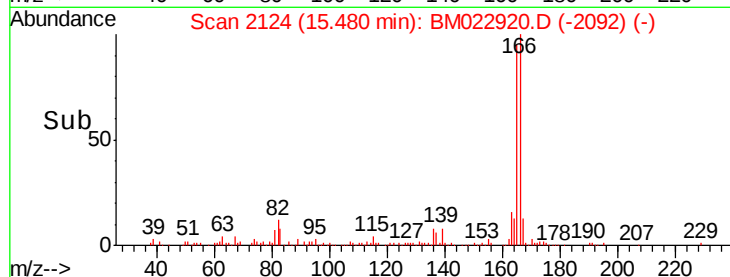
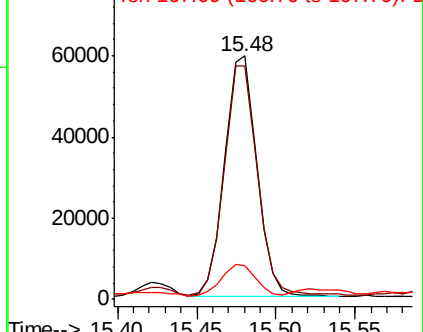


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 2.769 ng/ul

RT: 17.21 min Scan# 2418

Delta R.T. -0.02 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

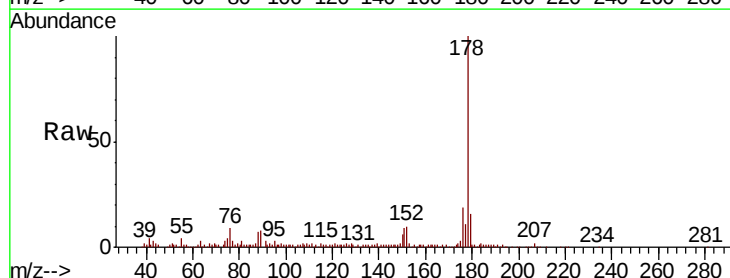
Tgt Ion:178 Resp: 198286

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

176 19.4 15.3 22.9

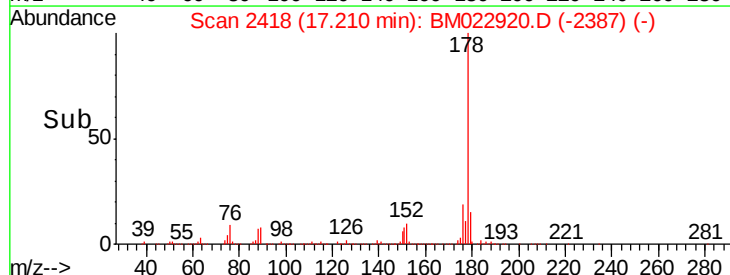
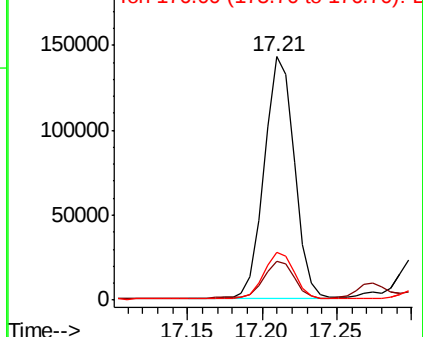


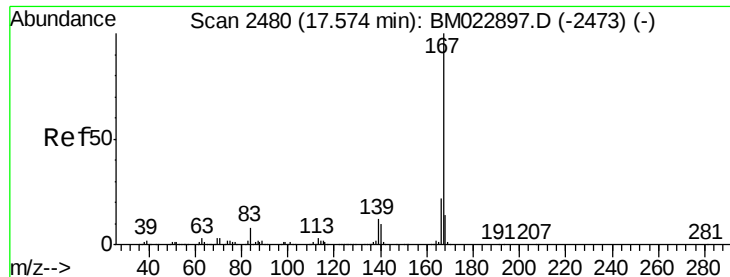
Abundance

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: 1.463 ng/ul

RT: 17.57 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BM022920.D

Acq: 03 Oct 2019 15:00

Instrument :

BNA_M

ClientSampleId :

BFDG4

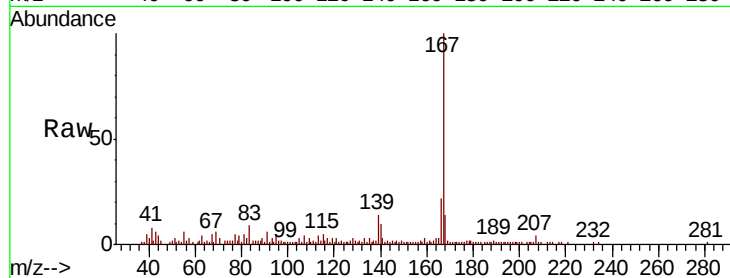
Tot Ion:167 Resp: 94858

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

139 14.1 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

