

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
 Data File : BM022350.D
 Acq On : 27 Aug 2019 04:02
 Operator : HP/JU
 Sample : K4395-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AE2

Manual Integrations
 APPROVED

mohammad
 8/28/2019 10:11:15 AM

Quant Time: Aug 27 16:46:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 27 12:44:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	42290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	248516m	20.00	ng/ul	0.05
35) Acenaphthene-d10	14.20	164	137647	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	313221	20.00	ng/ul	0.00
77) Chrysene-d12	21.18	240	241870	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	229447	20.00	ng/ul	0.00

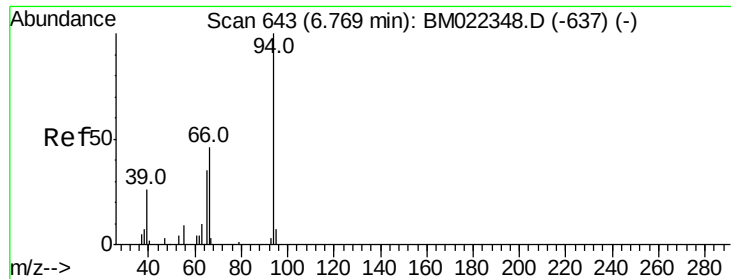
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	5455	5.77	ng/uL	0.00
5) Phenol-d5	6.79	99	44412	12.17	ng/ul	0.05
7) Bis-(2-Chloroethyl)ether-d	6.93	67	76075	35.83	ng/ul	0.02
9) 2-Chlorophenol-d4	7.09	132	89401	30.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	66414	21.00	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	55996	30.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	64868	30.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	127659	29.08	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	29408m	5.51	ng/ul	0.01
43) Dimethylphthalate-d6	13.65	166	438781	36.20	ng/ul	0.01
46) Acenaphthylene-d8	13.90	160	461589	35.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	21845m	12.17	ng/ul	0.05
57) Fluorene-d10	15.21	176	384331	38.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	37421	15.48	ng/ul	0.00
70) Anthracene-d10	17.07	188	749884	45.21	ng/ul	0.00
78) Pyrene-d10	19.38	212	702131	55.86	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.23	264	494568	39.24	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.83	94	7761555	1985.961	ng/ul	96
10) 2-Chlorophenol	7.13	128	6131	2.004	ng/ul	98
11) 2-Methylphenol	8.00	108	109136	35.460	ng/ul	95
14) Acetophenone	8.40	105	15311	2.800	ng/ul	97
16) 4-Methylphenol	8.35	108	353811	104.558	ng/ul	97
24) 2,4-Dimethylphenol	9.54	107	483727m	87.074	ng/ul	
28) Naphthalene	10.40	128	42232607m	3079.373	ng/ul	
34) 2-Methylnaphthalene	12.00	142	2450596	231.913	ng/ul	95
40) 1,1'-Biophenyl	13.03	154	418950	37.400	ng/ul	99
44) Dimethylphthalate	13.69	163	50651	4.106	ng/ul#	92
47) Acenaphthylene	13.92	152	36604	2.704	ng/ul#	79
49) Acenaphthene	14.29	153	4500965	468.252	ng/ul	99
53) Dibenzofuran	14.62	168	2054324	143.492	ng/ul	93
58) Fluorene	15.27	166	1877314	155.685	ng/ul	99
69) Phenanthrene	17.02	178	2835057	151.297	ng/ul	99
71) Anthracene	17.10	178	351004m	18.001	ng/ul	
74) Carbazole	17.42	167	5849930	332.150	ng/ul	98
76) Fluoranthene	19.04	202	191494	6.782	ng/ul	98
79) Pyrene	19.40	202	116934	7.469	ng/ul	96

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



#6

Phenol

Concen: 1985.961 ng/ul

RT: 6.83 min Scan# 654

Delta R.T. 0.06 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Instrument :

BNA_M

ClientSampled :

C0AE2

Tot Ion: 94 Resp: 7761555

Ion Ratio Lower Upper

94 100

65 32.4 29.2 43.8

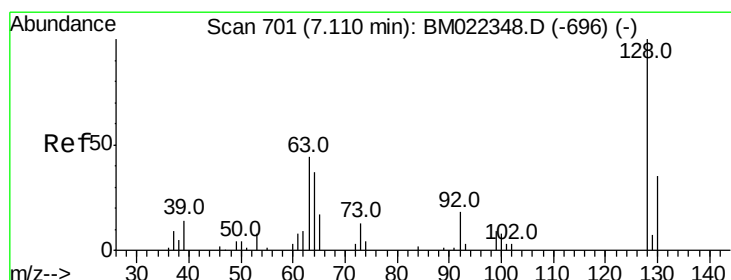
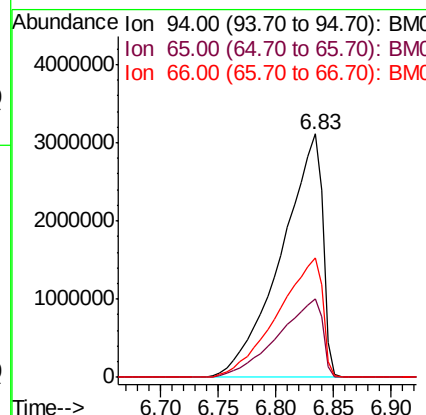
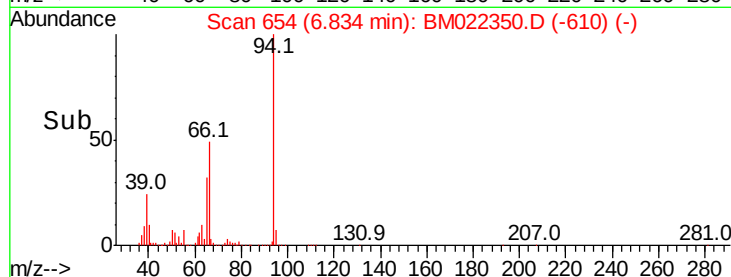
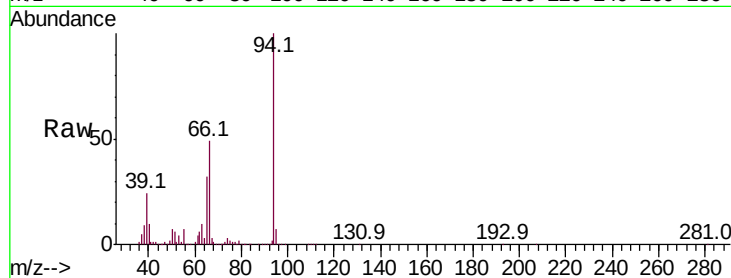
66 49.1 40.6 60.8

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#10

2-Chlorophenol

Concen: 2.004 ng/ul

RT: 7.13 min Scan# 704

Delta R.T. 0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

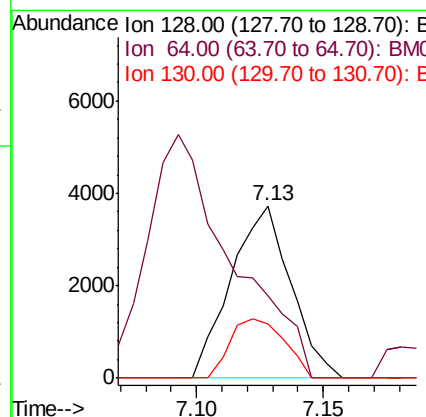
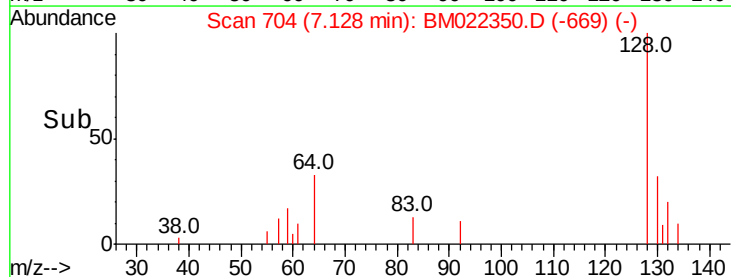
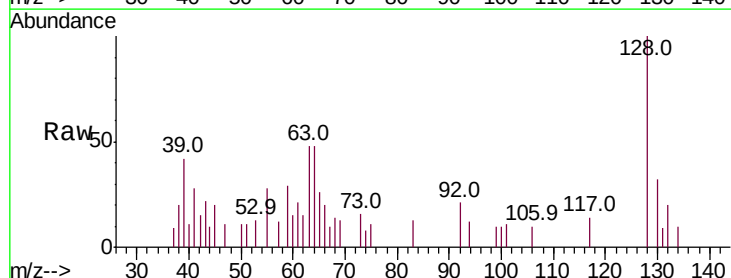
Tgt Ion: 128 Resp: 6131

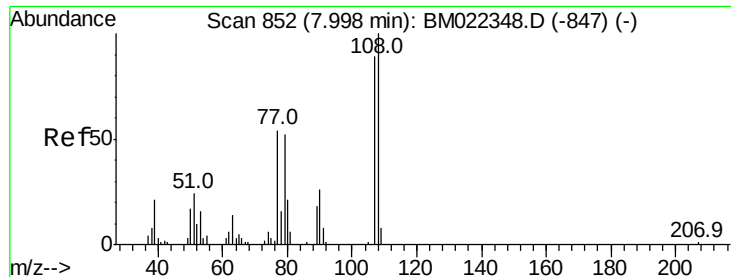
Ion Ratio Lower Upper

128 100

64 48.1 38.6 57.8

130 31.6 27.0 40.6





#11

2-Methylphenol

Concen: 35.460 ng/ul

RT: 8.00 min Scan# 853

Delta R.T. -0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Instrument :

BNA_M

ClientSampleId :

C0AE2

Tot Ion:108 Resp: 109136

Ion Ratio Lower Upper

108 100

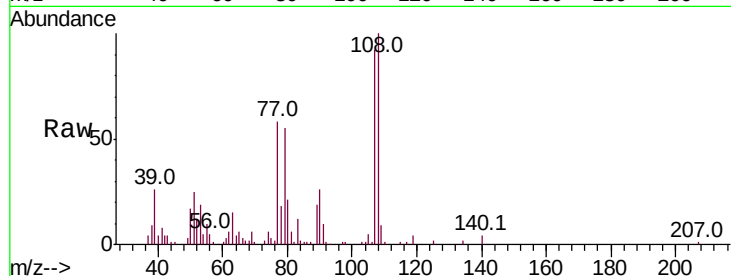
107 92.0 70.1 105.1

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.00

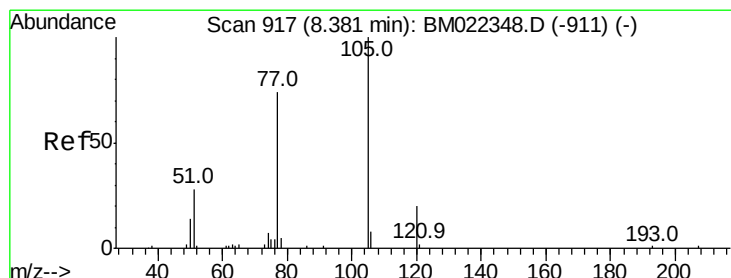
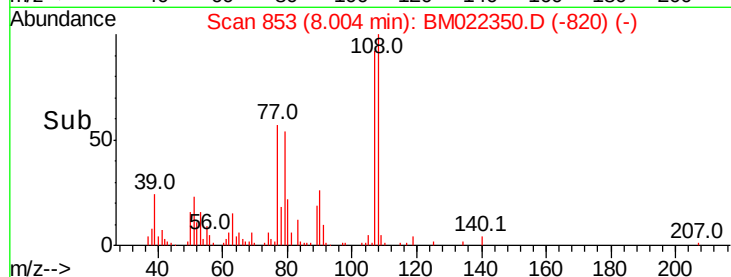
60000

40000

20000

0

Time-->



#14

Acetophenone

Concen: 2.800 ng/ul

RT: 8.40 min Scan# 920

Delta R.T. 0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

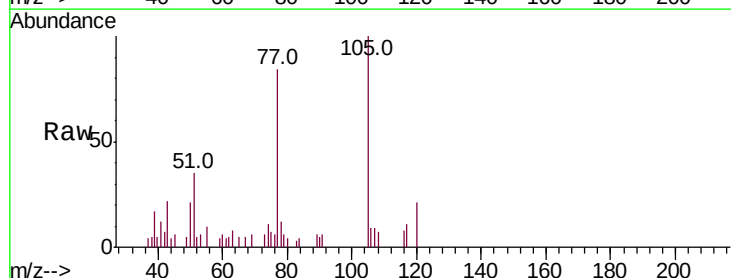
Tgt Ion:105 Resp: 15311

Ion Ratio Lower Upper

105 100

77 83.9 68.4 102.6

51 35.5 25.0 37.4



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

120000

100000

80000

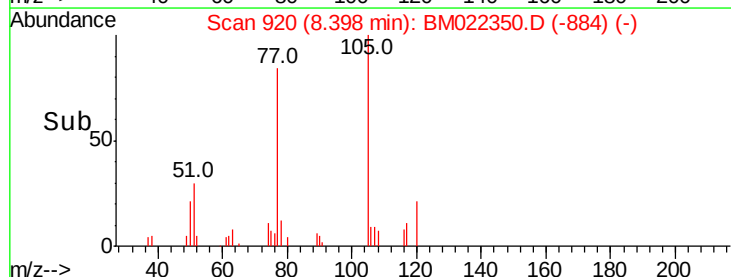
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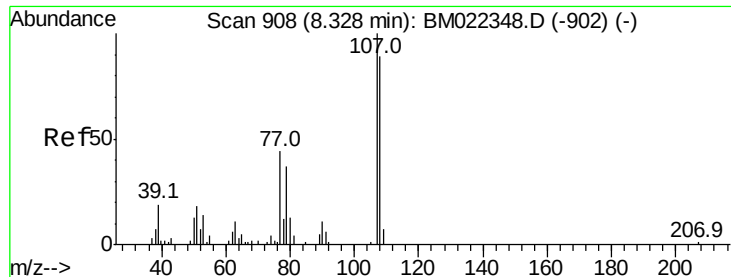
40000

20000

0

Time-->





#16

4-Methylphenol

Concen: 104.558 ng/ul

RT: 8.35 min Scan# 911

Delta R.T. 0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Instrument :

BNA_M

ClientSampled :

C0AE2

Tot Ion:108 Resp: 353811

Ion Ratio Lower Upper

108 100

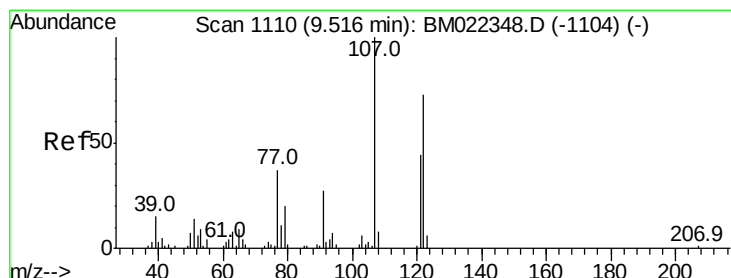
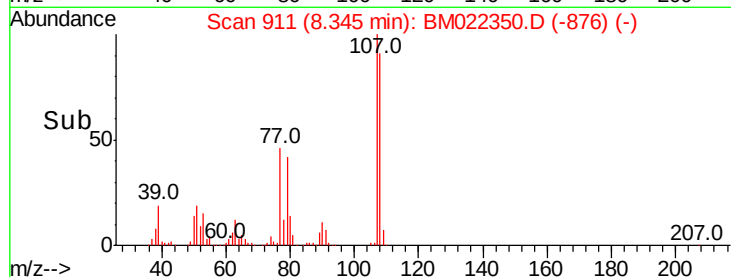
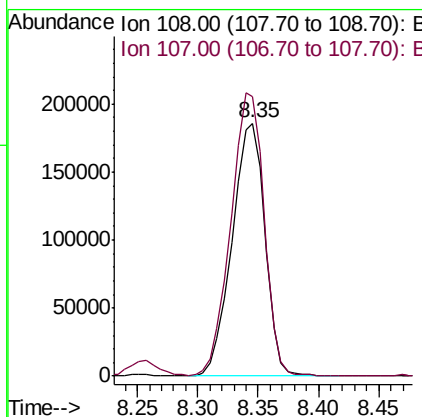
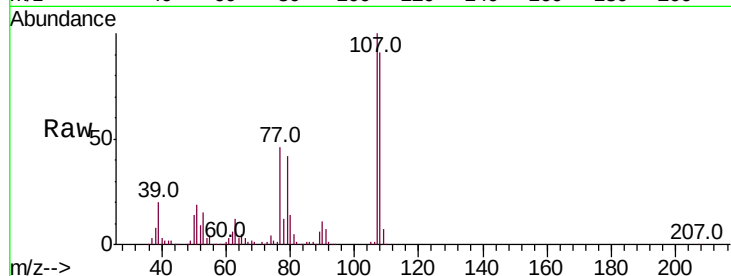
107 110.3 90.8 136.2

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#24

2,4-Dimethylphenol

Concen: 87.074 ng/ul m

RT: 9.54 min Scan# 1114

Delta R.T. 0.02 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

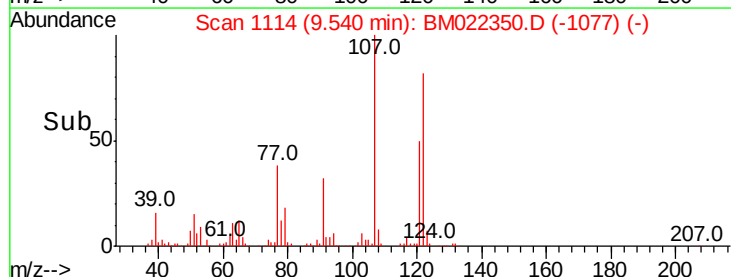
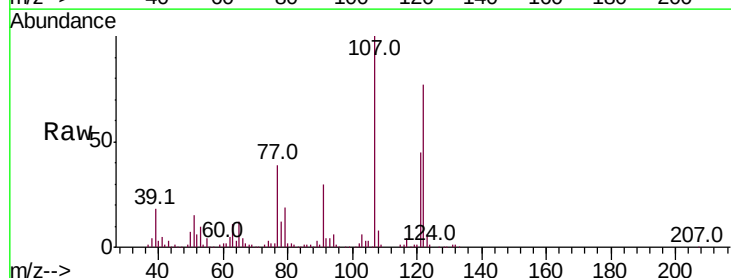
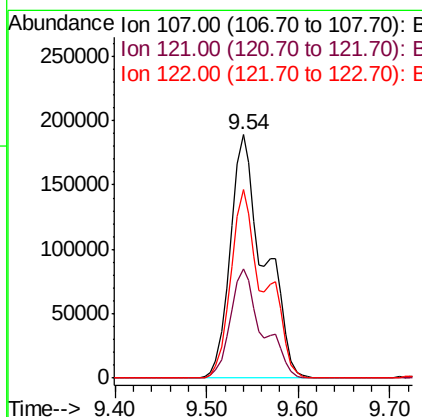
Tgt Ion:107 Resp: 483727

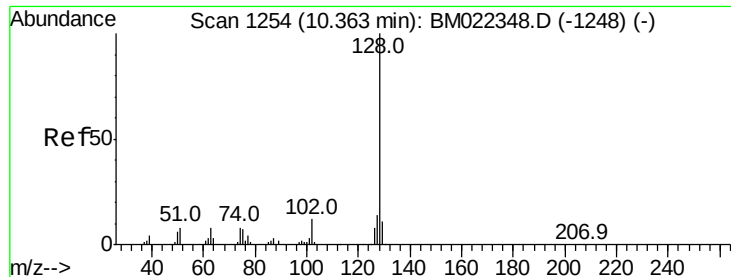
Ion Ratio Lower Upper

107 100

121 45.1 33.6 50.4

122 77.5 58.0 87.0





#28

Naphthalene

Concen: 3079.373 ng/ul m

RT: 10.40 min Scan# 1261

Delta R.T. 0.03 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Instrument :

BNA_M

ClientSampled :

C0AE2

Tot Ion:128 Resp:42232607

Ion Ratio Lower Upper

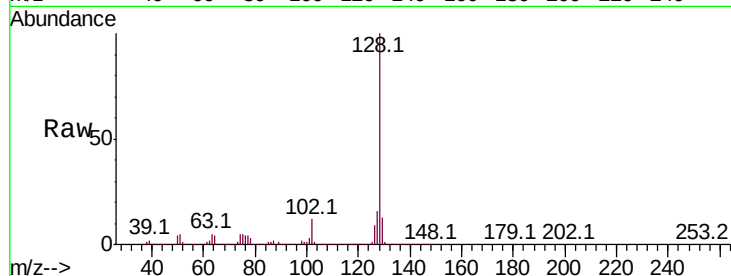
128 100

129 13.4 8.6 13.0#

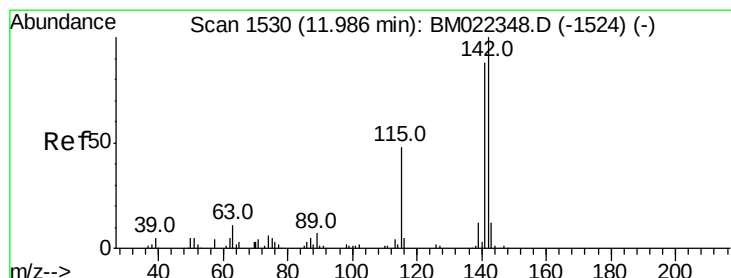
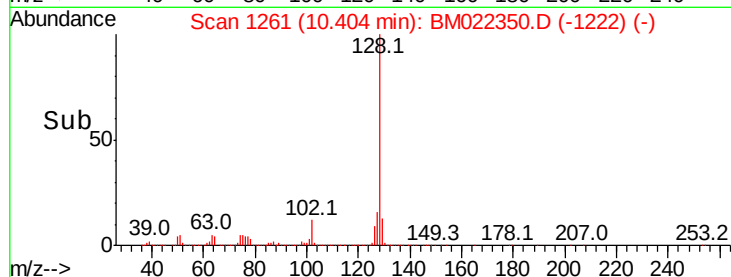
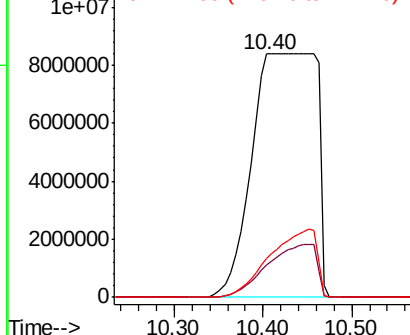
127 16.0 10.4 15.6#

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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: 231.913 ng/ul

RT: 12.00 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BM022350.D

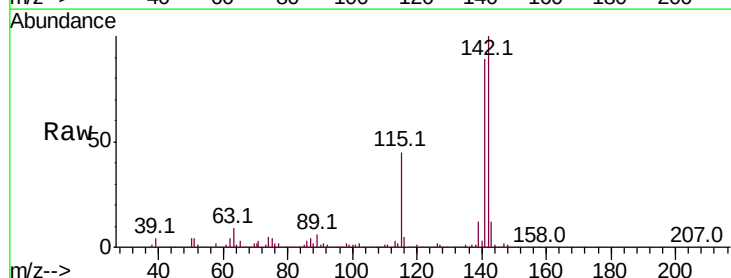
Acq: 27 Aug 2019 04:02

Tgt Ion:142 Resp: 2450596

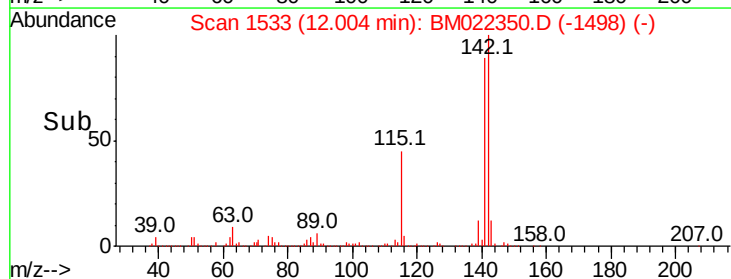
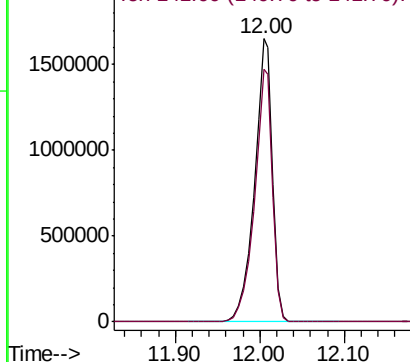
Ion Ratio Lower Upper

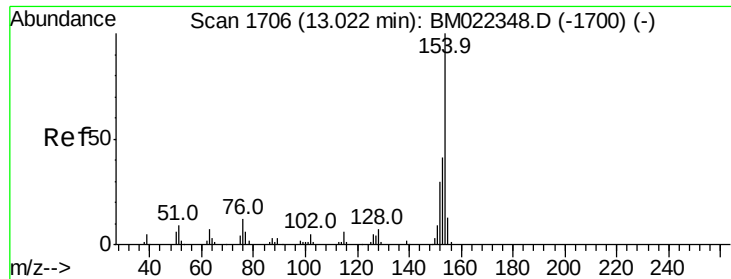
142 100

141 89.1 75.1 112.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





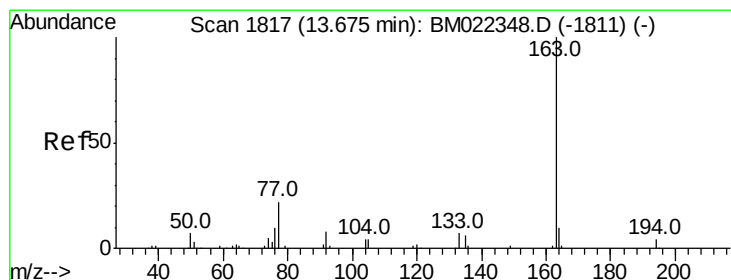
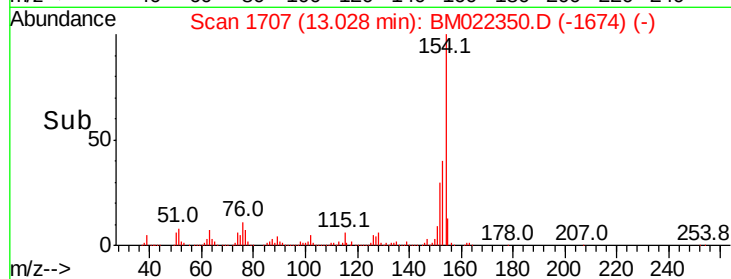
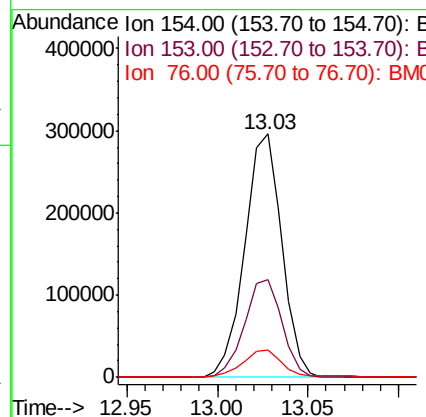
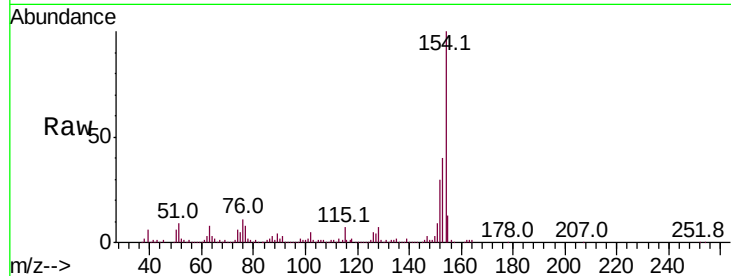
#40
1,1'-Biphenyl
Concen: 37.400 ng/ul
RT: 13.03 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BM022350.D
Acq: 27 Aug 2019 04:02

Instrument :
BNA_M
ClientSampleId :
C0AE2

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.5	48.7
76	11.1	9.2	13.8

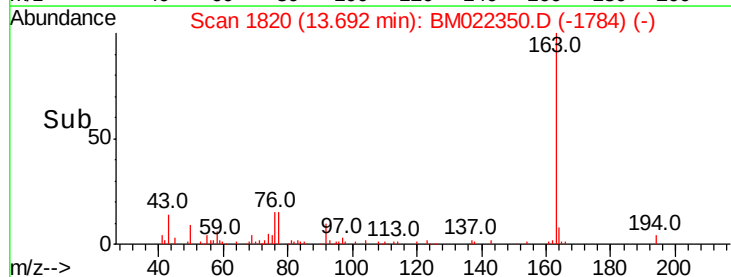
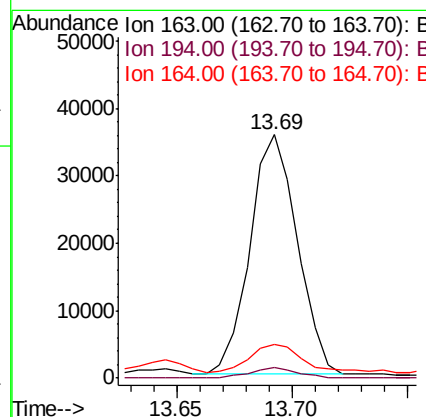
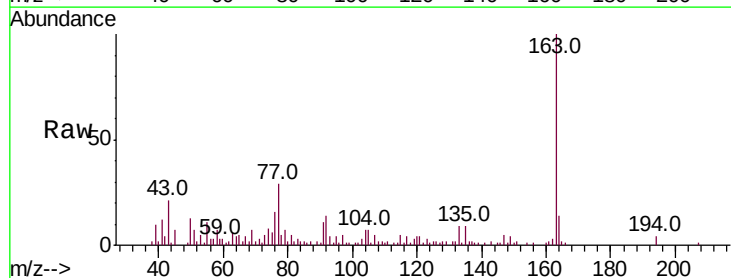
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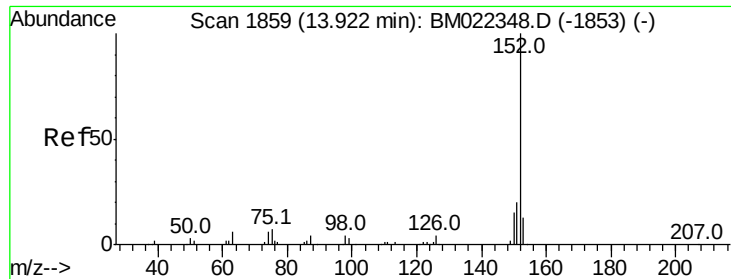
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#44
Dimethylphthalate
Concen: 4.106 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BM022350.D
Acq: 27 Aug 2019 04:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	13.7	7.8	11.8#





#47

Acenaphthylene

Concen: 2.704 ng/ul

RT: 13.92 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Instrument :

BNA_M

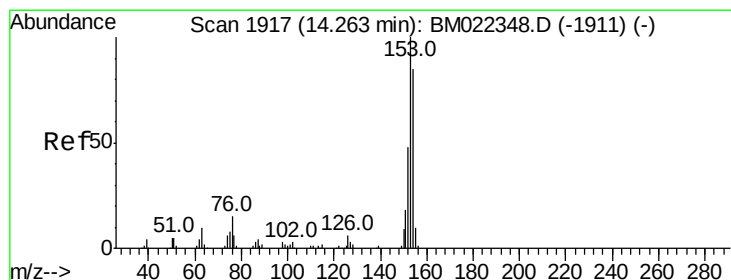
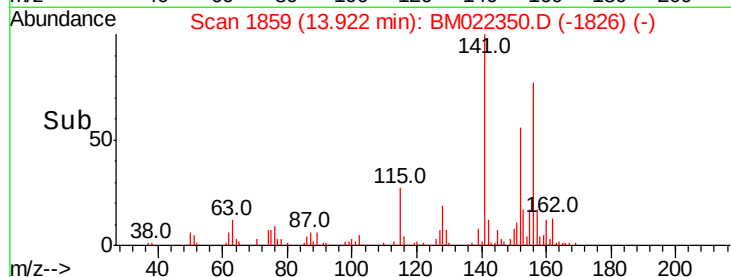
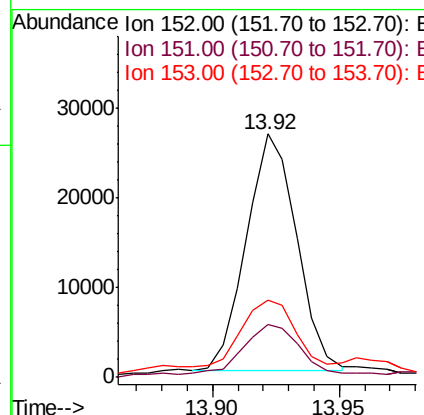
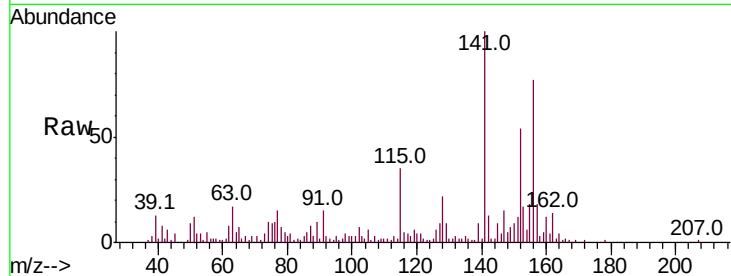
ClientSampleId :

C0AE2

Tot Ion:	152	Resp:	36604
Ion Ratio	Lower	Upper	
152	100		
151	21.7	16.0	24.0
153	31.8	10.4	15.6

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#49

Acenaphthene

Concen: 468.252 ng/ul

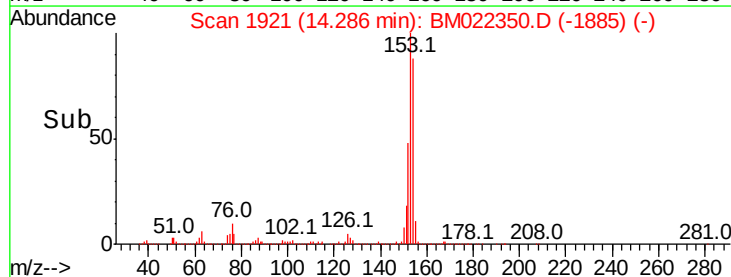
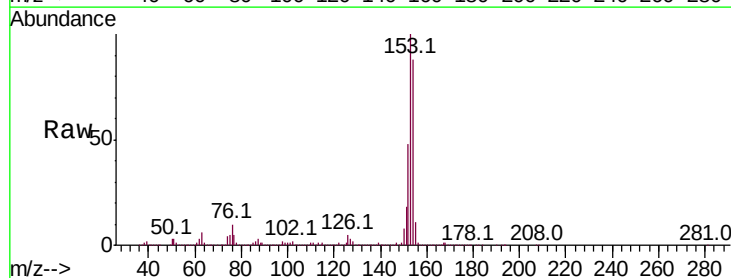
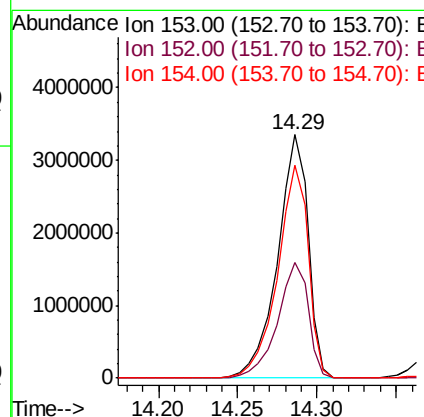
RT: 14.29 min Scan# 1921

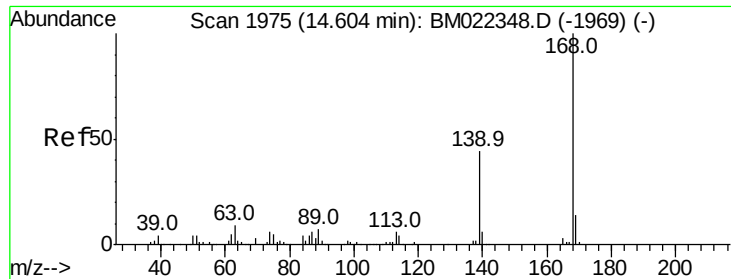
Delta R.T. 0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Tgt Ion:	153	Resp:	4500965
Ion Ratio	Lower	Upper	
153	100		
152	47.5	38.6	58.0
154	87.5	68.9	103.3





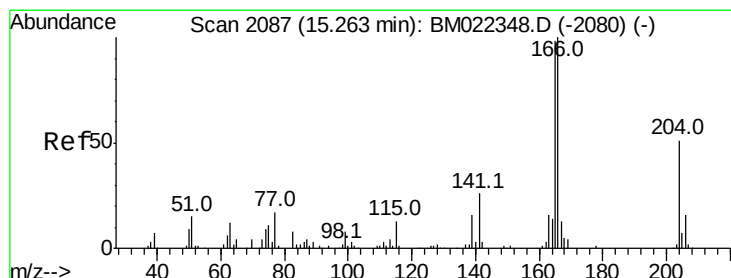
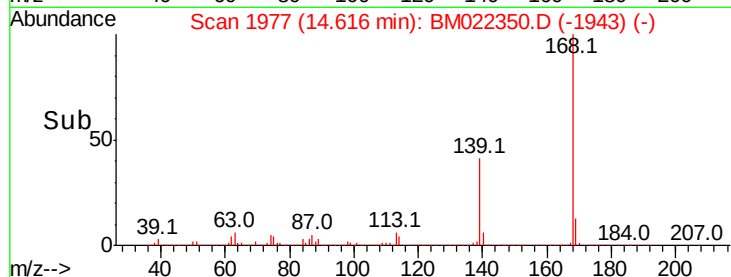
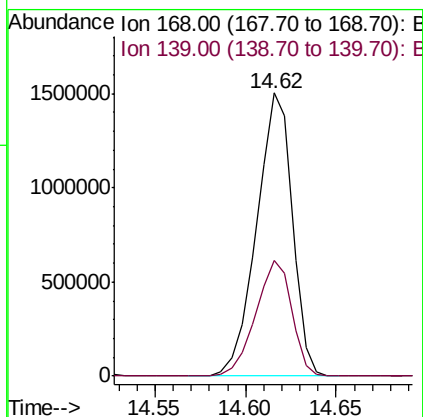
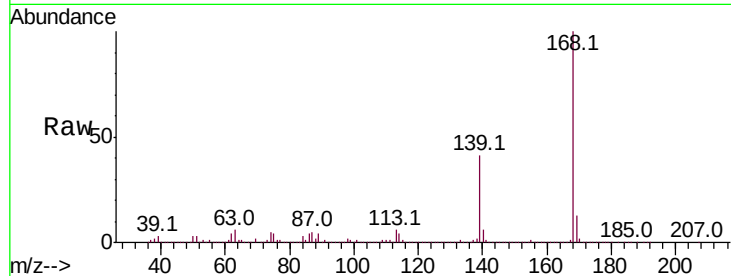
#53
Dibenzenofuran
Concen: 143.492 ng/ul
RT: 14.62 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM022350.D
Acq: 27 Aug 2019 04:02

Instrument :
BNA_M
ClientSampleId :
C0AE2

Tot Ion:168 Resp: 2054324
Ion Ratio Lower Upper
168 100
139 40.9 36.2 54.4

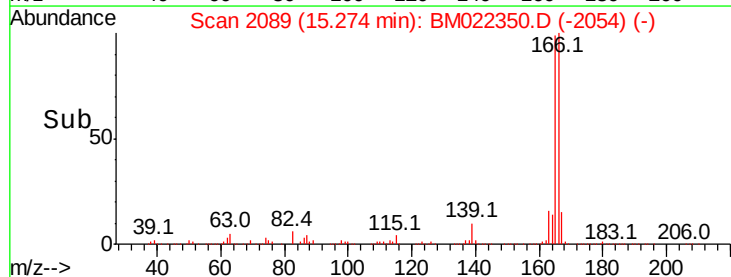
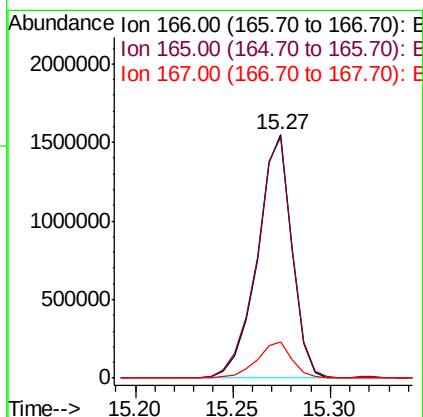
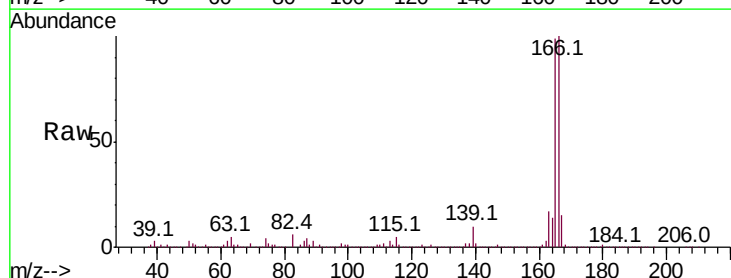
Manual Integrations
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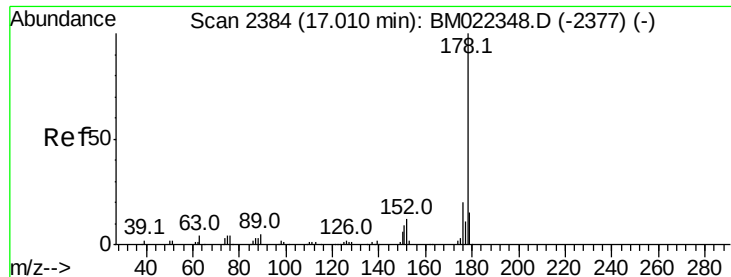
mohammad
8/28/2019 10:11:15 AM



#58
Fluorene
Concen: 155.685 ng/ul
RT: 15.27 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BM022350.D
Acq: 27 Aug 2019 04:02

Tgt Ion:166 Resp: 1877314
Ion Ratio Lower Upper
166 100
165 99.0 80.2 120.2
167 14.8 11.4 17.0





#69

Phenanthrene

Concen: 151.297 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Instrument :

BNA_M

ClientSampleId :

C0AE2

Tot Ion:178 Resp: 2835057

Ion Ratio Lower Upper

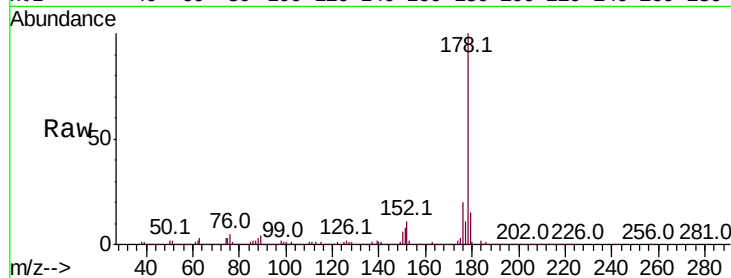
178 100

179 15.4 12.4 18.6

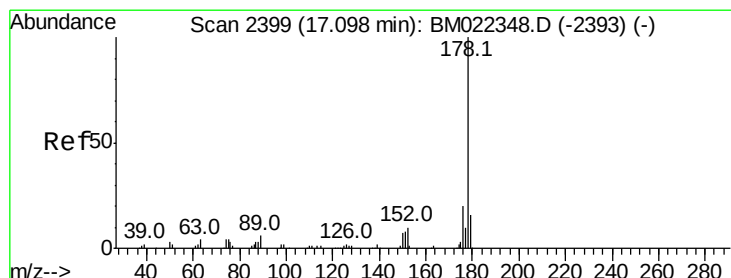
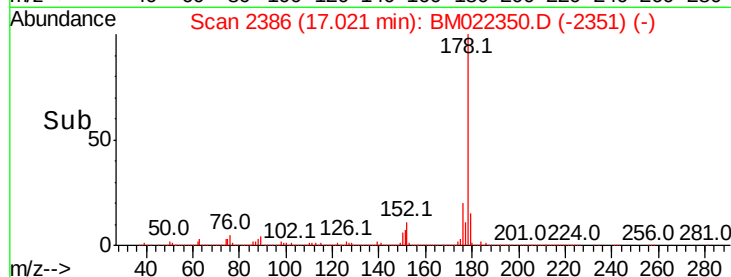
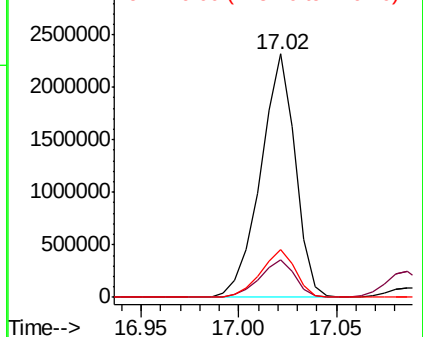
176 19.6 15.4 23.0

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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



#71

Anthracene

Concen: 18.001 ng/ul m

RT: 17.10 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Tgt Ion:178 Resp: 351004

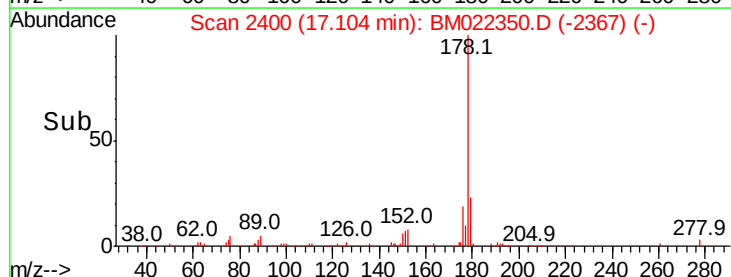
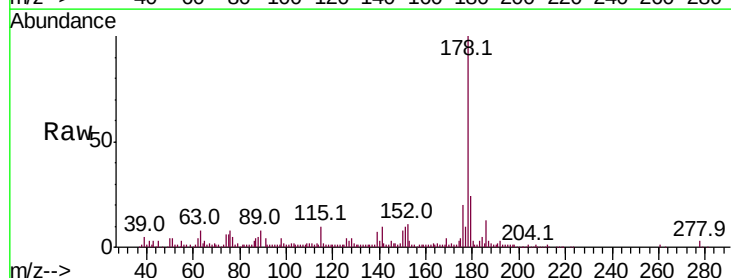
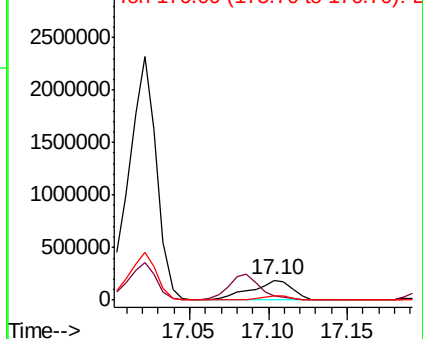
Ion Ratio Lower Upper

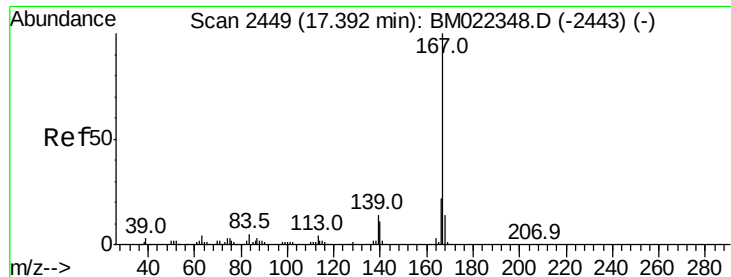
178 100

179 24.0 12.3 18.5#

176 19.7 15.5 23.3

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





#74

Carbazole

Concen: 332.150 ng/ul

RT: 17.42 min Scan# 2453

Delta R.T. 0.02 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

Instrument :

BNA_M

ClientSampled :

C0AE2

Tot Ion:167 Resp: 5849930

Ion Ratio Lower Upper

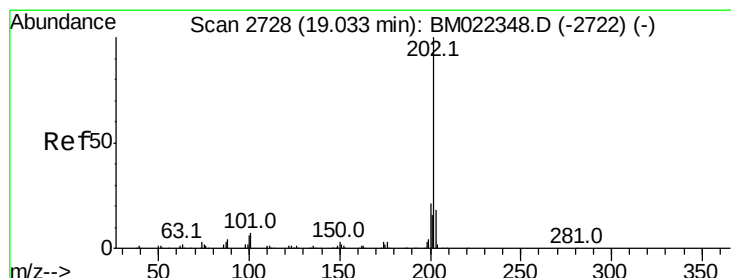
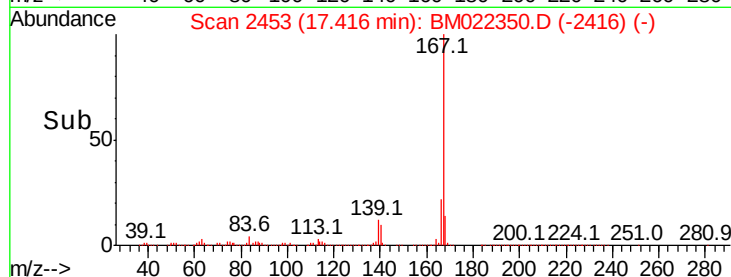
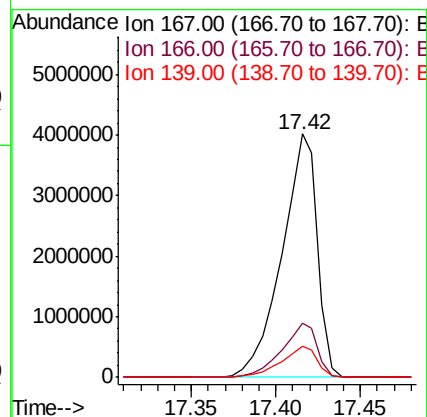
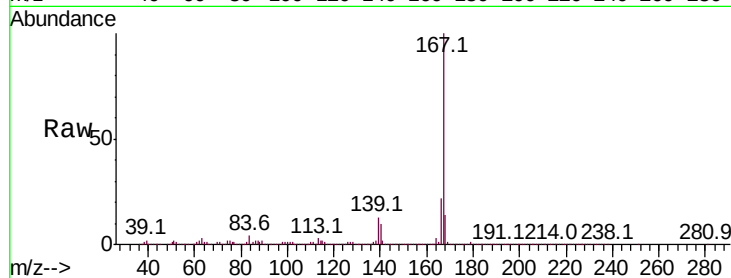
167 100

166 22.1 17.8 26.8

139 12.5 11.8 17.8

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#76

Fluoranthene

Concen: 6.782 ng/ul

RT: 19.04 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM022350.D

Acq: 27 Aug 2019 04:02

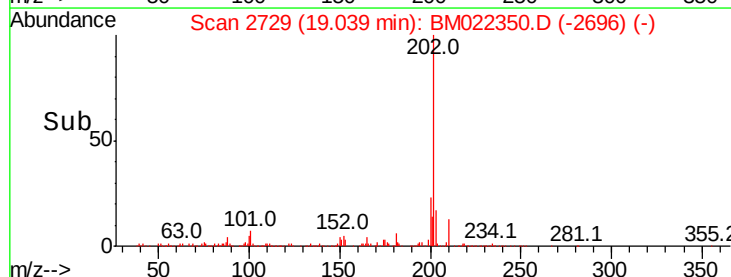
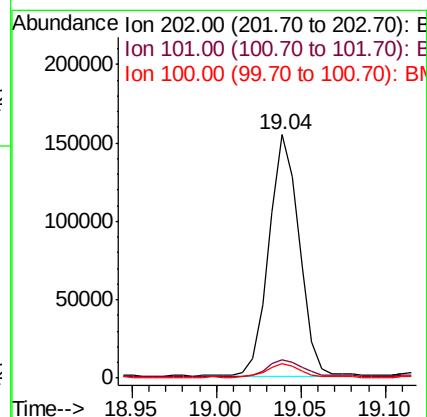
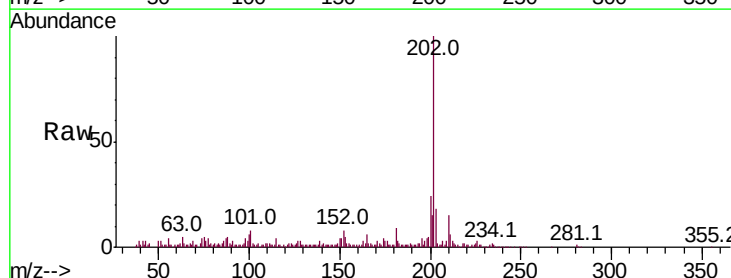
Tgt Ion:202 Resp: 191494

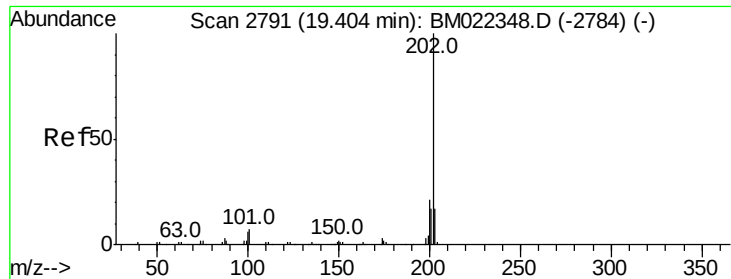
Ion Ratio Lower Upper

202 100

101 7.6 5.3 7.9

100 5.8 4.6 6.8





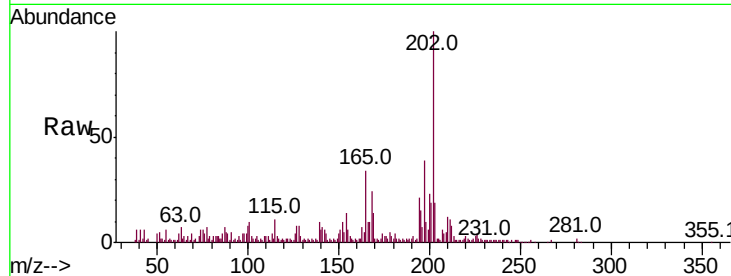
#79
 Pvrene
 Concen: 7.469 ng/ul
 RT: 19.40 min Scan# 2791
 Delta R.T. -0.01 min
 Lab File: BM022350.D
 Acq: 27 Aug 2019 04:02

Instrument :
 BNA_M
 ClientSampleId :
 C0AE2

Tot Ion:	202	Resp:	116934
Ion Ratio	Lower	Upper	
202	100		
101	10.2	7.0	10.4
100	8.2	5.8	8.8

Manual Integrations
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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

