

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052220\
 Data File : BM026098.D
 Acq On : 23 May 2020 03:04
 Operator : MA/SJ
 Sample : L2737-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F9B25

Manual Integrations
 APPROVED

mohammad
 5/26/2020 10:11:28 AM

Quant Time: May 25 01:30:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 22 13:18:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	210935	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	792006	20.00	ng/ul	0.06
36) Acenaphthene-d10	14.14	164	510945	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	1041953	20.00	ng/ul	0.00
78) Chrysene-d12	21.08	240	1053237	20.00	ng/ul	0.00
86) Perylene-d12	23.20	264	1077528	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	28981	4.14	ng/uL	0.00
5) Phenol-d5	6.69	99	144765	7.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.84	67	370954	28.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	362472	24.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	252478	17.51	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	227902	35.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	241446	37.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	397250	30.98	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.56	166	1400586	34.18	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	1579031	32.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	72942	10.05	ng/ul	0.00
58) Fluorene-d10	15.14	176	1198990	33.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.27	200	229204	37.73	ng/ul	0.00
71) Anthracene-d10	16.99	188	1851153	36.05	ng/ul	0.00
79) Pyrene-d10	19.29	212	2038390	37.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.07	264	2097972	36.58	ng/ul	0.00

Target Compounds

					Ovalue	
11) 2-Methylphenol	7.95	108	22916	1.551	ng/ul	97
14) Acetophenone	8.32	105	154410	6.382	ng/ul#	87
16) 4-Methylphenol	8.27	108	53712	3.342	ng/ul	98
24) 2,4-Dimethylphenol	9.47	107	130726m	7.371	ng/ul	
28) Naphthalene	10.32	128	67362335m	1391.072	ng/ul	
34) 2-Methylnaphthalene	11.94	142	8810999	270.518	ng/ul	99
41) 1,1'-Biphenyl	12.96	154	2125052	46.872	ng/ul	99
45) Dimethylphthalate	13.61	163	246868	5.739	ng/ul	99
48) Acenaphthylene	13.85	152	202574	3.801	ng/ul#	95
50) Acenaphthene	14.21	153	7437459	197.884	ng/ul	98
54) Dibenzofuran	14.54	168	5260200	99.588	ng/ul	100
59) Fluorene	15.20	166	3619905	84.721	ng/ul	100
70) Phenanthrene	16.93	178	4907910	74.778	ng/ul	99
72) Anthracene	17.02	178	398101	6.046	ng/ul	99
75) Carbazole	17.31	167	12000776	220.295	ng/ul	98
77) Fluoranthene	18.95	202	621337	9.025	ng/ul	99
80) Pyrene	19.32	202	579554	7.838	ng/ul	97

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

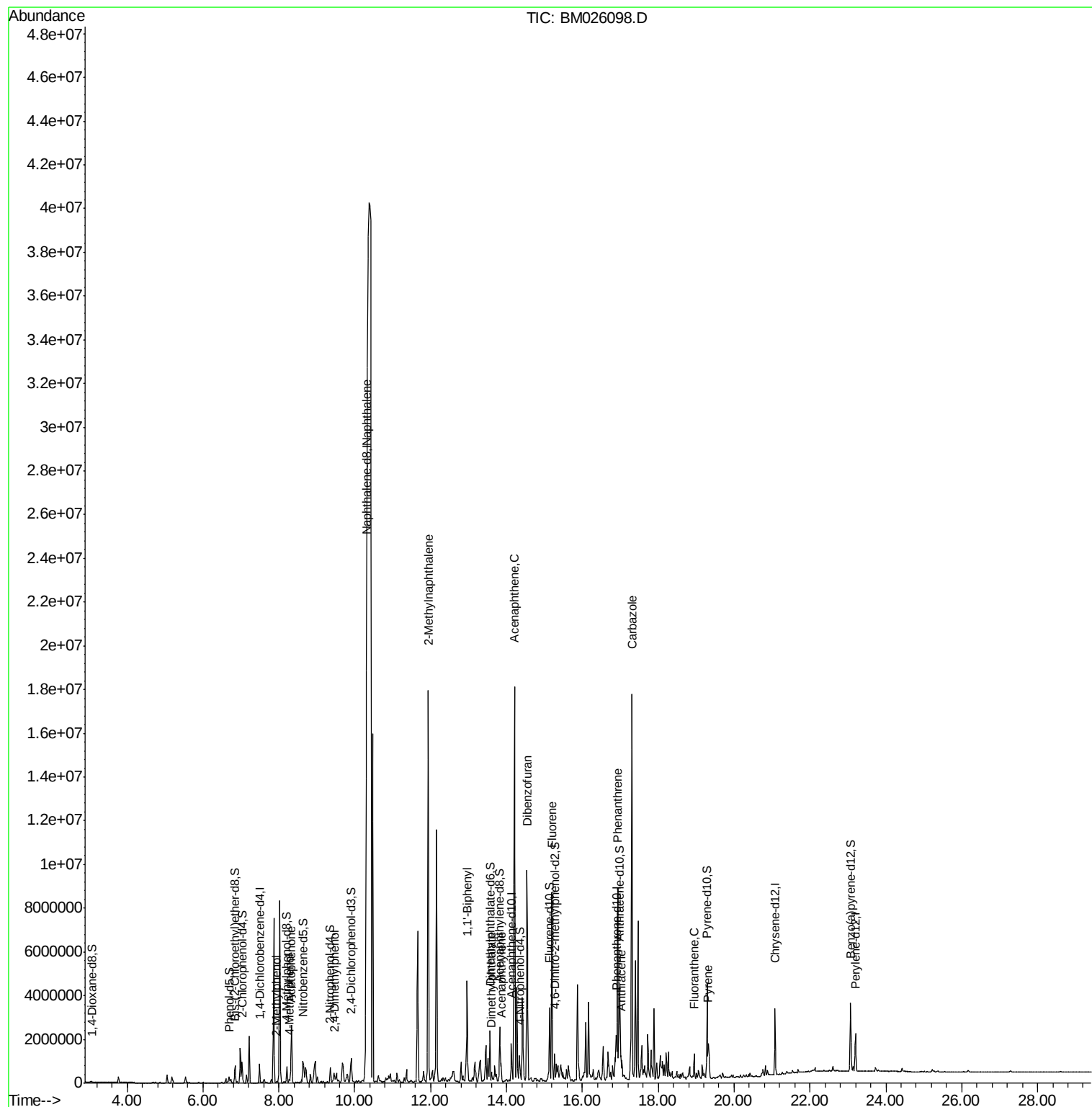
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052220\
Data File : BM026098.D
Acq On : 23 May 2020 03:04
Operator : MA/SJ
Sample : L2737-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

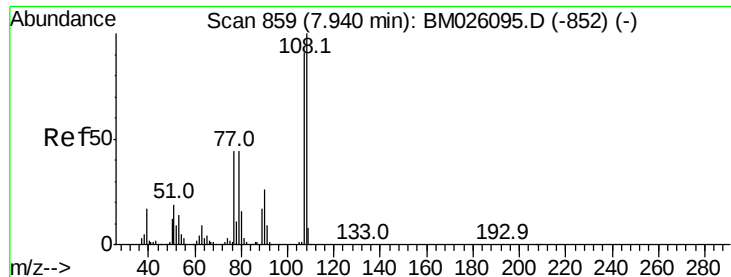
Instrument :
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Quant Time: May 25 01:30:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 22 13:18:41 2020
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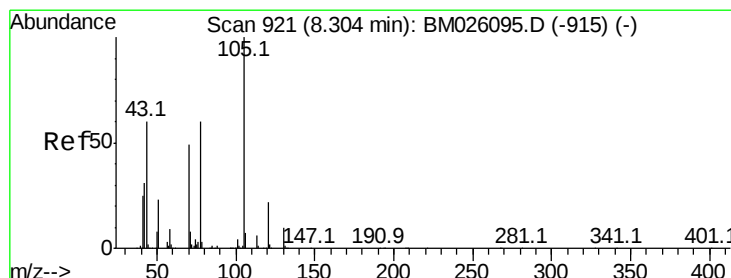
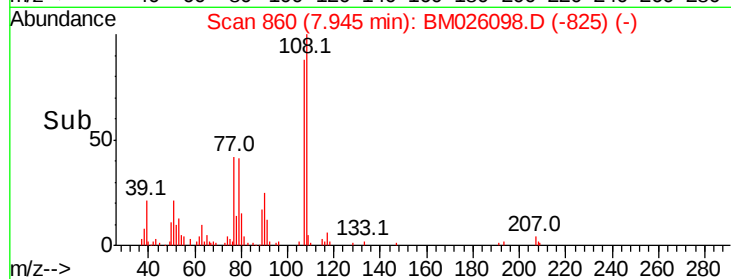
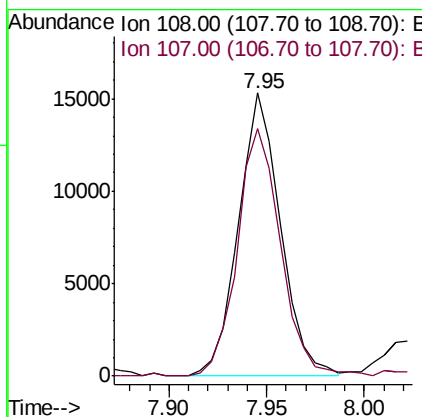
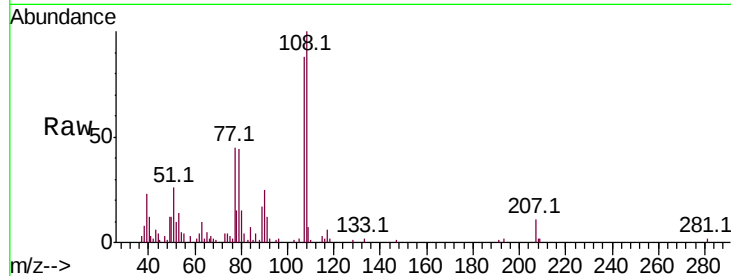
#11
2-Methylphenol
Concen: 1.551 ng/ul
RT: 7.95 min Scan# 860
Delta R.T. 0.01 min
Lab File: BM026098.D
Acq: 23 May 2020 03:04

Instrument :
BNA_M
ClientSampleId :
F9B25

Tot Ion	Ratio	Lower	Upper
108	100		
107	87.7	72.3	108.5

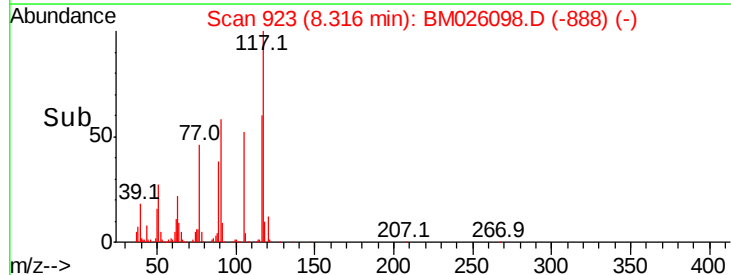
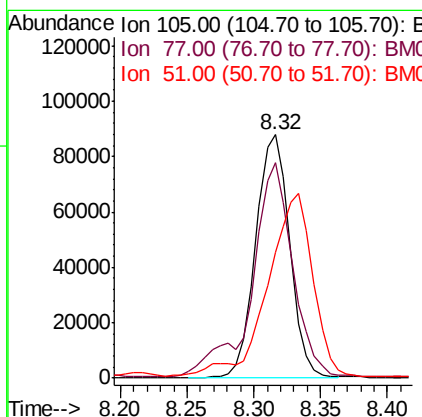
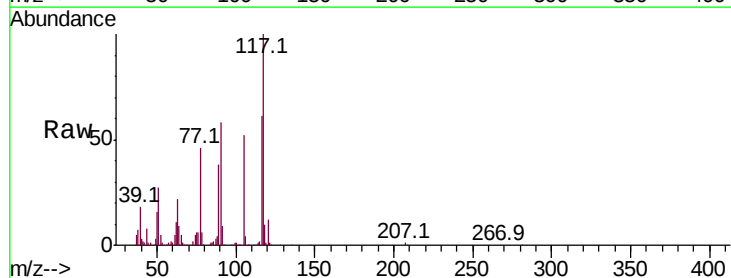
Manual Integrations
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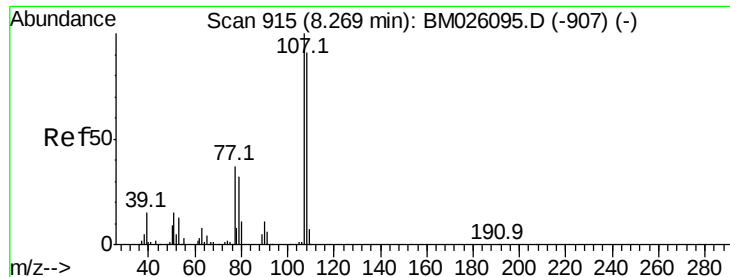
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#14
Acetophenone
Concen: 6.382 ng/ul
RT: 8.32 min Scan# 923
Delta R.T. 0.01 min
Lab File: BM026098.D
Acq: 23 May 2020 03:04

Tgt Ion	Ratio	Lower	Upper
105	100		
77	88.7	67.2	100.8
51	51.8	27.4	41.0#





#16

4-Methylphenol

Concen: 3.342 ng/ul

RT: 8.27 min Scan# 916

Delta R.T. 0.01 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

Instrument :

BNA_M

ClientSampleId :

F9B25

Tot Ion:108 Resp: 53712

Ion Ratio Lower Upper

108 100

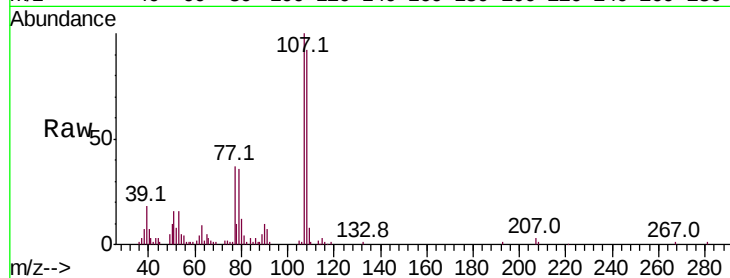
107 108.6 88.6 132.8

Manual Integrations

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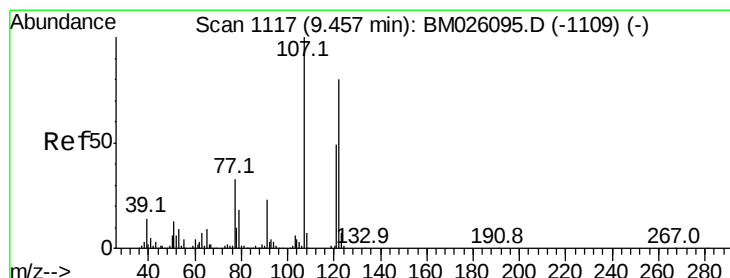
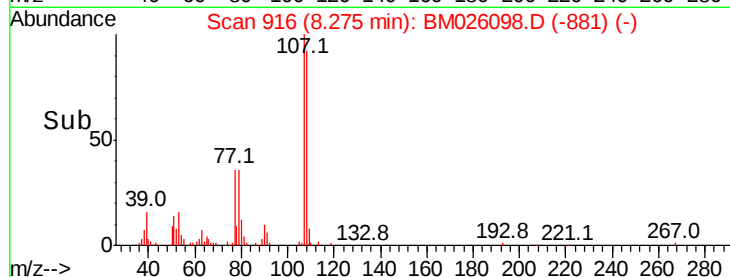
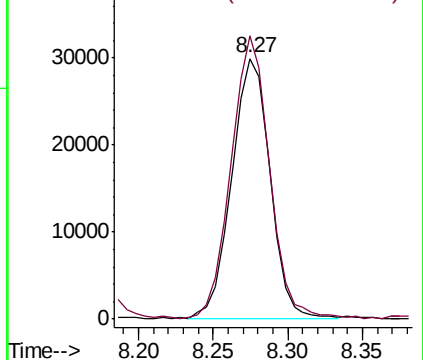
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 7.371 ng/ul m

RT: 9.47 min Scan# 1120

Delta R.T. 0.02 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

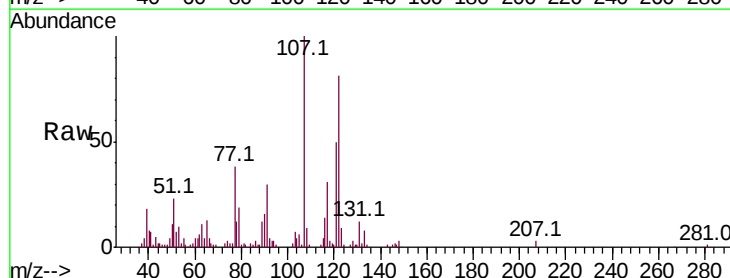
Tgt Ion:107 Resp: 130726

Ion Ratio Lower Upper

107 100

121 50.4 37.5 56.3

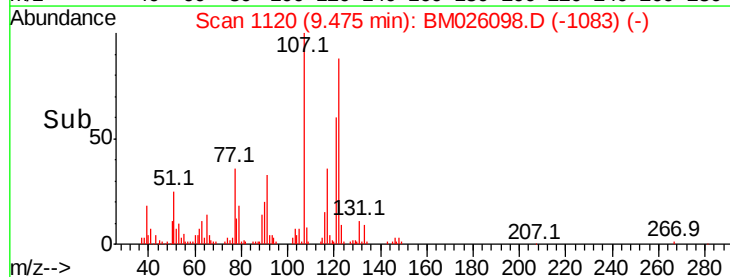
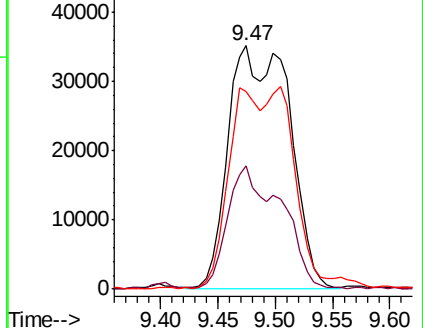
122 81.1 63.8 95.6

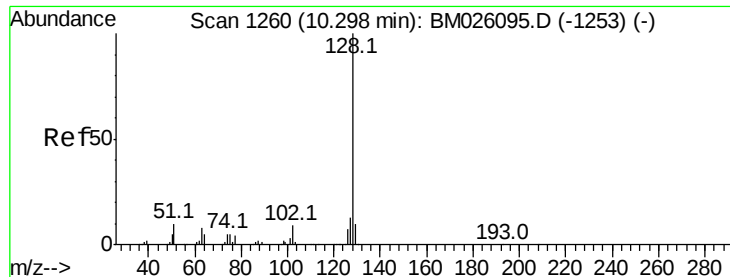


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 1391.072 ng/ul m

RT: 10.32 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

Instrument :

BNA_M

ClientSampleId :

F9B25

Tot Ion:128 Resp:67362335

Ion Ratio Lower Upper

128 100

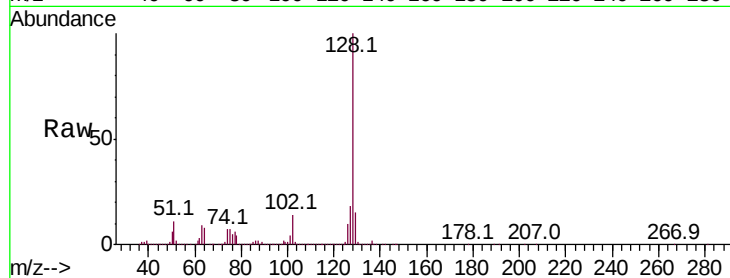
129 15.4 9.0 13.4#

127 17.7 10.6 15.8#

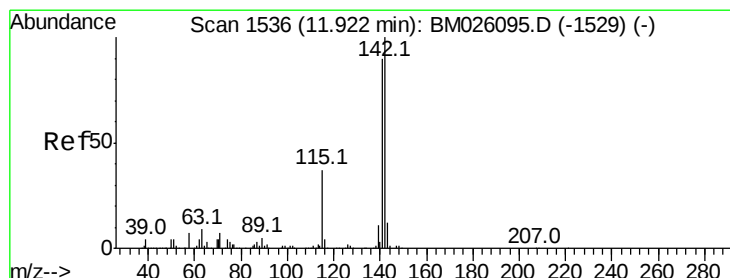
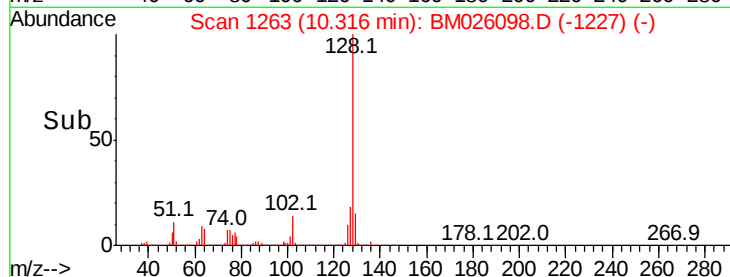
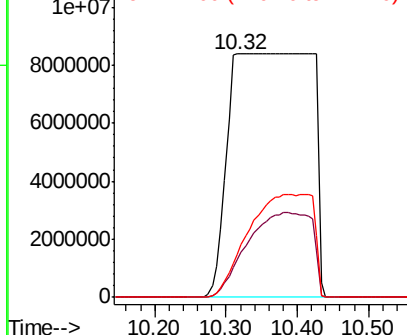
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 270.518 ng/ul

RT: 11.94 min Scan# 1539

Delta R.T. 0.02 min

Lab File: BM026098.D

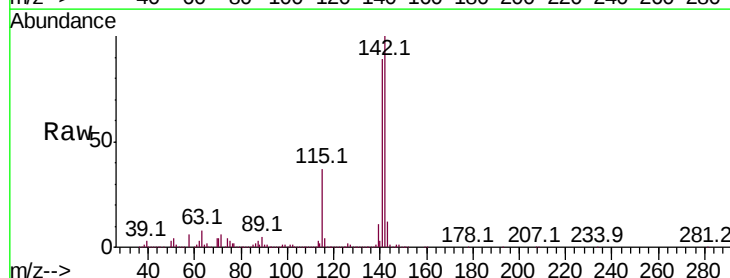
Acq: 23 May 2020 03:04

Tgt Ion:142 Resp: 8810999

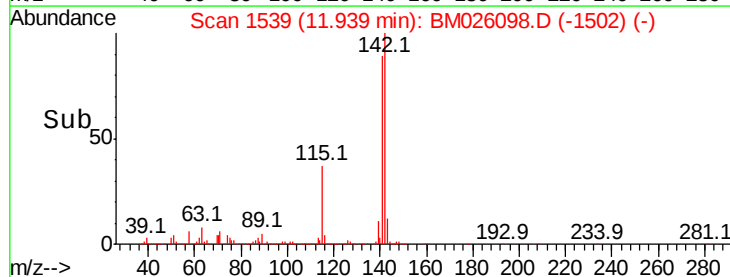
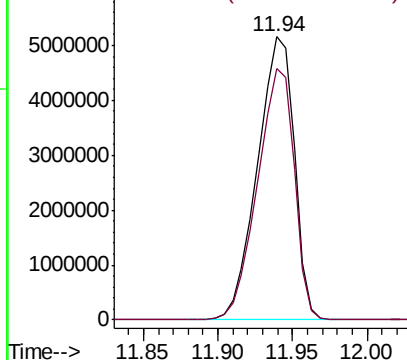
Ion Ratio Lower Upper

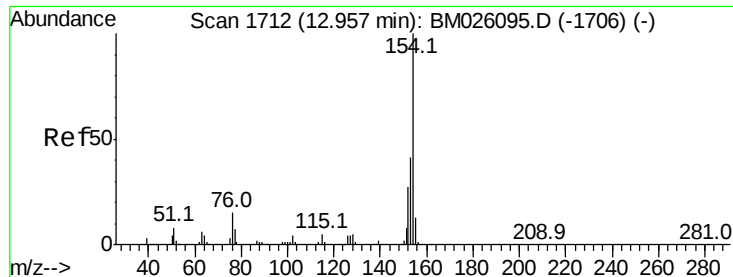
142 100

141 88.6 71.8 107.6



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





#41

1,1'-Biphenyl

Concen: 46.872 ng/ul

RT: 12.96 min Scan# 1713

Delta R.T. 0.00 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

Instrument :

BNA_M

ClientSampleId :

F9B25

Tot Ion:154 Resp: 2125052

Ion Ratio Lower Upper

154 100

153 40.7 32.3 48.5

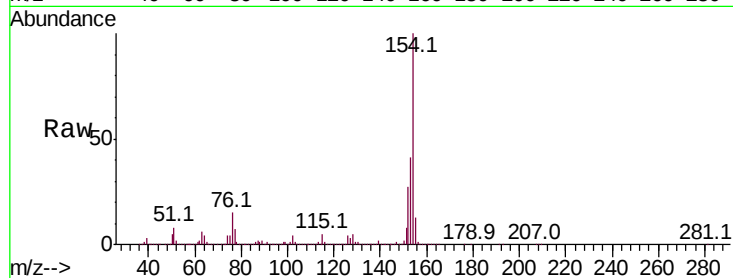
76 15.1 13.0 19.6

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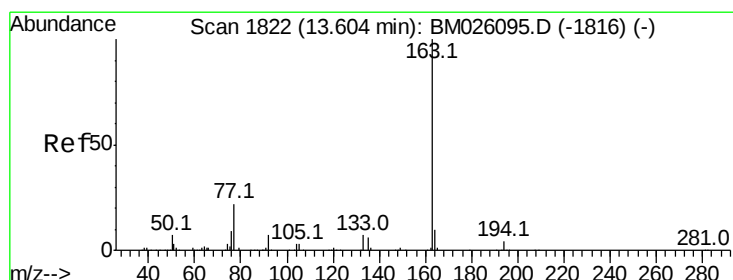
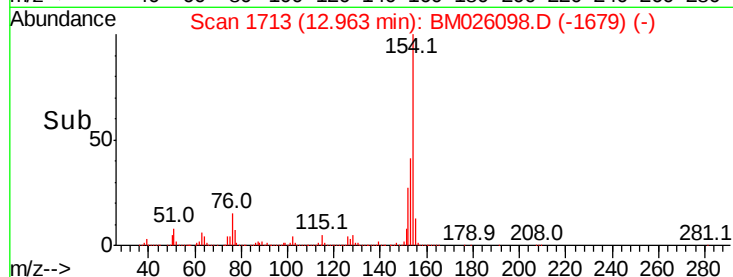
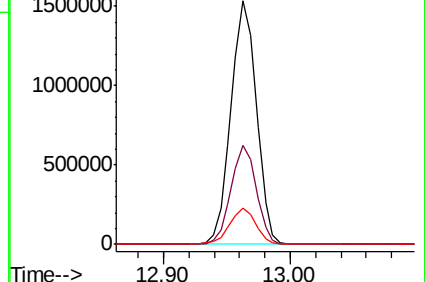
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#45

Dimethylphthalate

Concen: 5.739 ng/ul

RT: 13.61 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

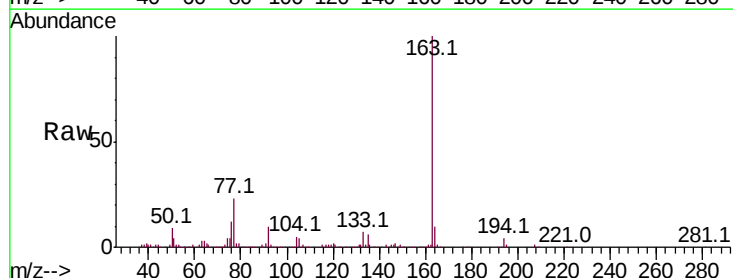
Tgt Ion:163 Resp: 246868

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

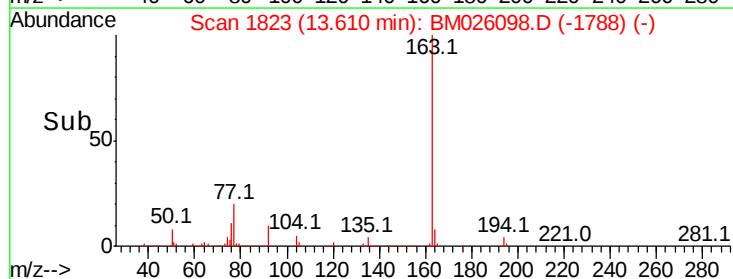
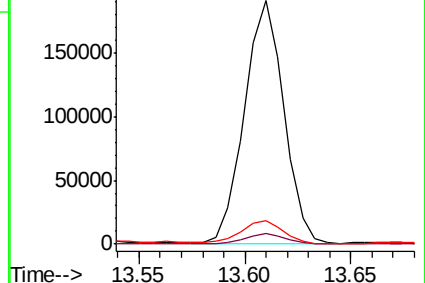
164 9.7 8.0 12.0

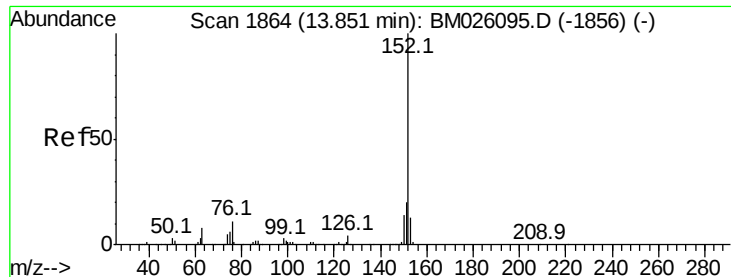


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 3.801 ng/ul

RT: 13.85 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

Instrument :

BNA_M

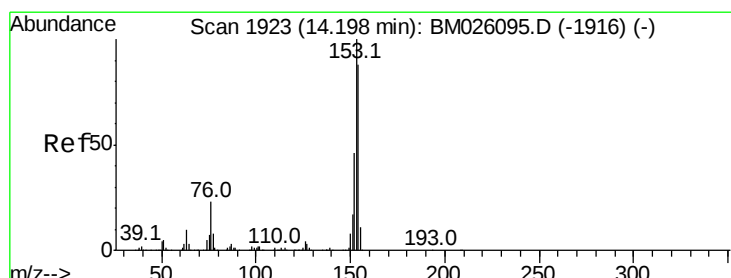
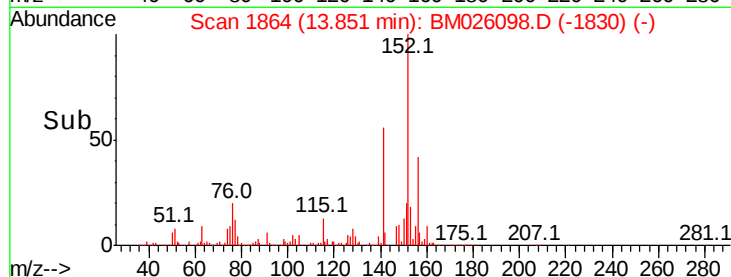
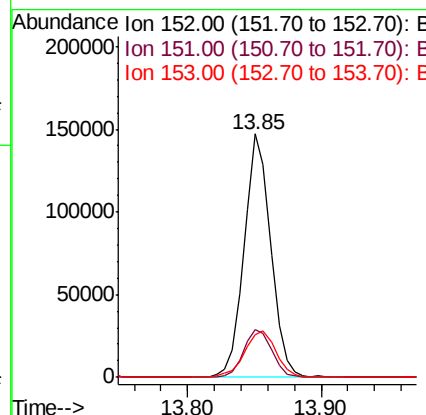
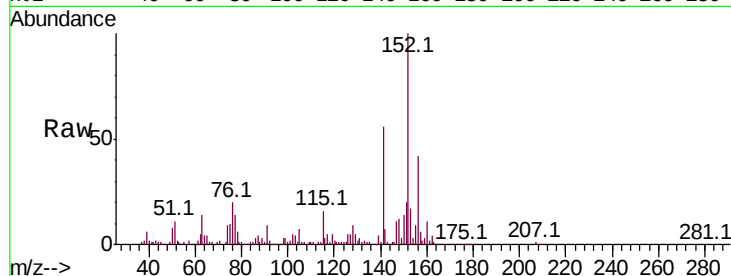
ClientSampleId :

F9B25

Tot Ion:	152	Resp:	202574
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.7	23.5
153	17.5	10.2	15.2#

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#50

Acenaphthene

Concen: 197.884 ng/ul

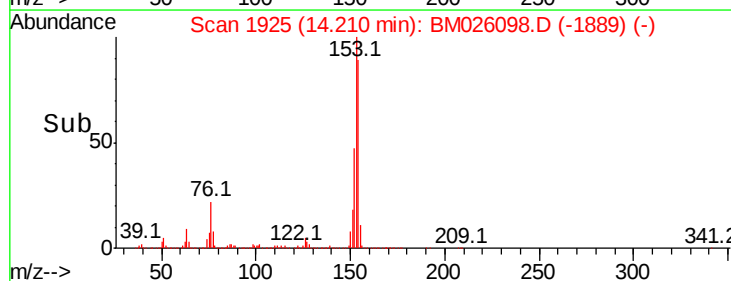
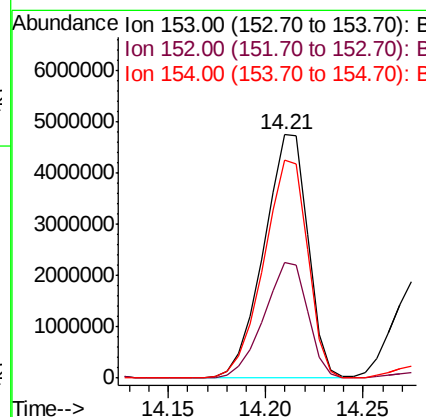
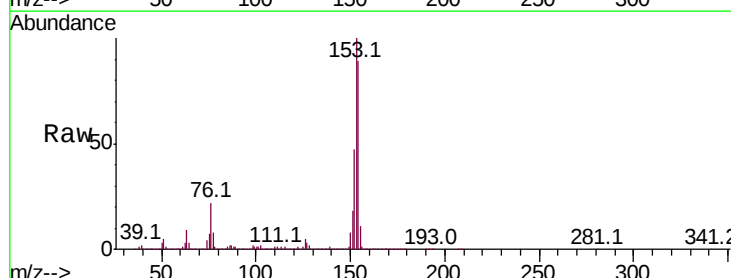
RT: 14.21 min Scan# 1925

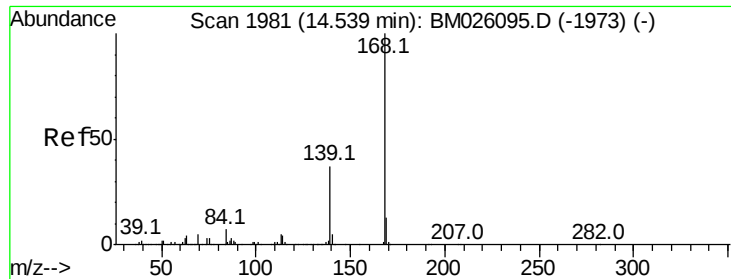
Delta R.T. 0.01 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

Tgt Ion:	153	Resp:	7437459
Ion Ratio	Lower	Upper	
153	100		
152	47.5	37.2	55.8
154	89.4	69.8	104.8





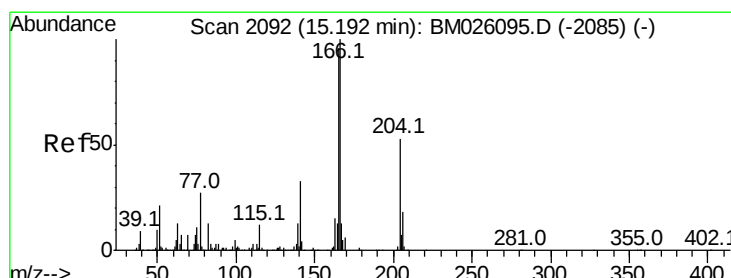
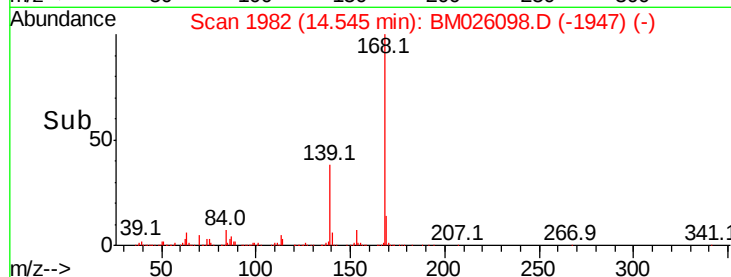
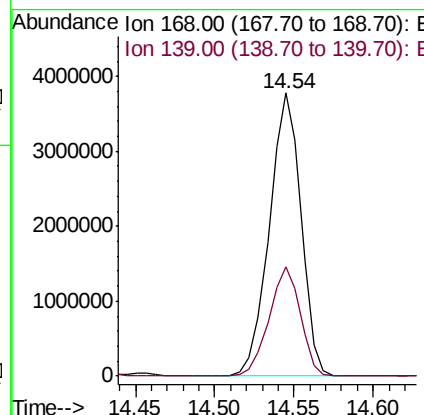
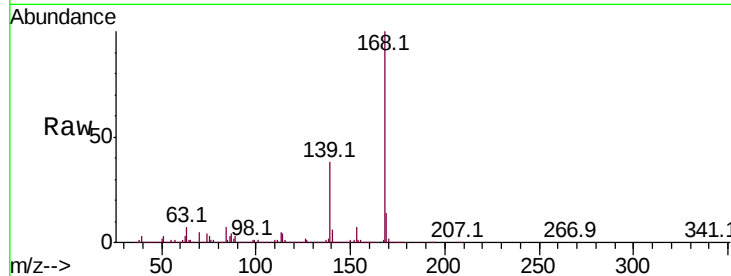
#54
Dibenzofuran
Concen: 99.588 ng/ul
RT: 14.54 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BM026098.D
Acq: 23 May 2020 03:04

Instrument :
BNA_M
ClientSampleId :
F9B25

Tot Ion:168 Resp: 5260200
Ion Ratio Lower Upper
168 100
139 38.5 30.7 46.1

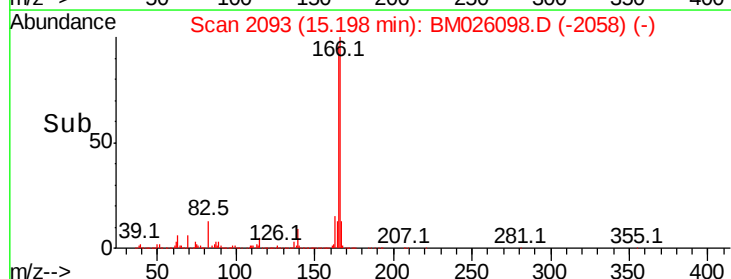
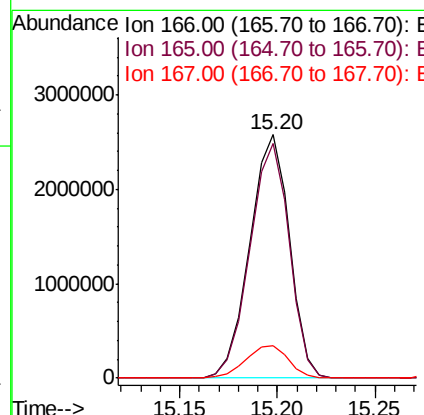
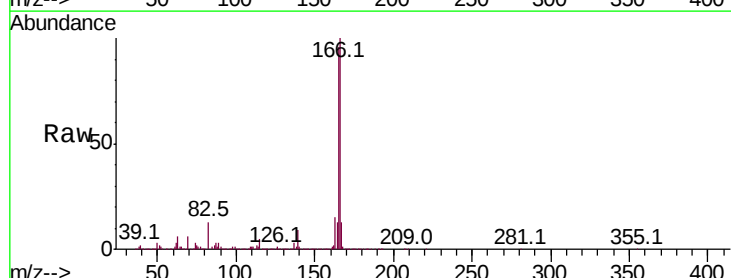
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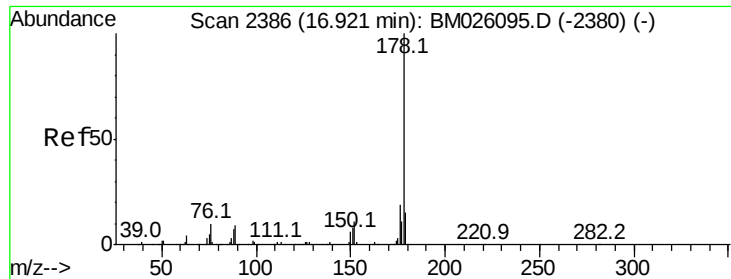
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#59
Fluorene
Concen: 84.721 ng/ul
RT: 15.20 min Scan# 2093
Delta R.T. 0.01 min
Lab File: BM026098.D
Acq: 23 May 2020 03:04

Tgt Ion:166 Resp: 3619905
Ion Ratio Lower Upper
166 100
165 96.4 77.3 115.9
167 13.4 10.6 16.0





#70

Phenanthrene

Concen: 74.778 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

Instrument :

BNA_M

ClientSampleId :

F9B25

Tot Ion:178 Resp: 4907910

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

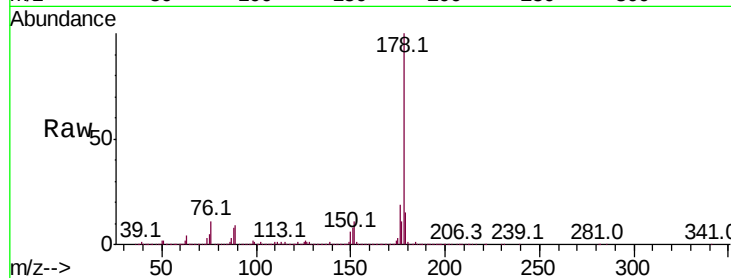
176 19.1 14.9 22.3

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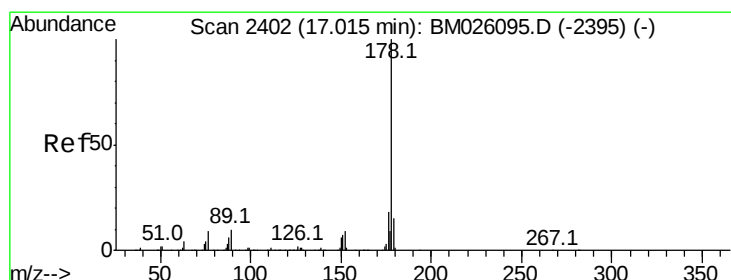
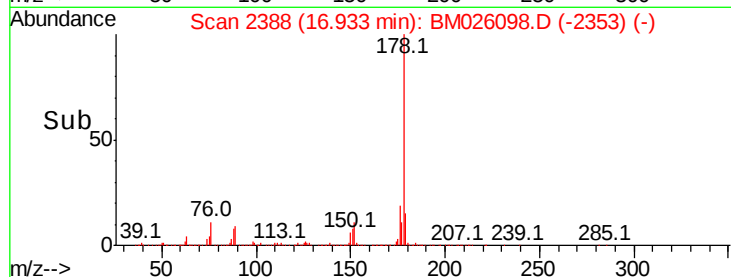
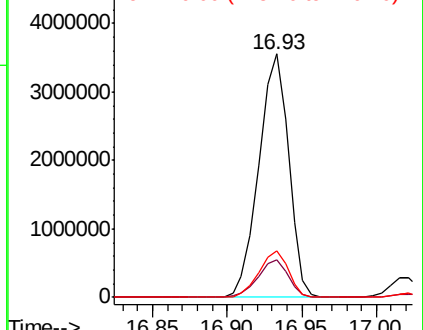
5/26/2020 10:11:28 AM



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



#72

Anthracene

Concen: 6.046 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

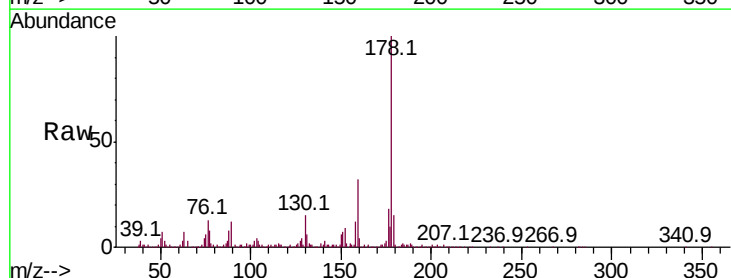
Tgt Ion:178 Resp: 398101

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

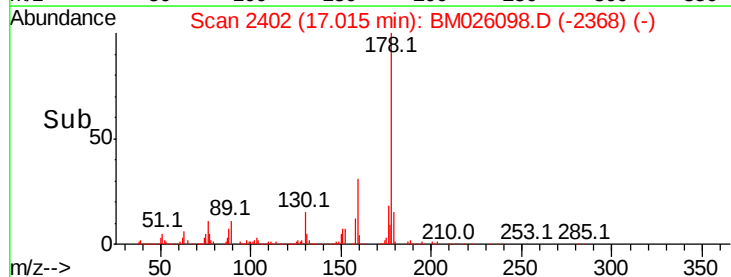
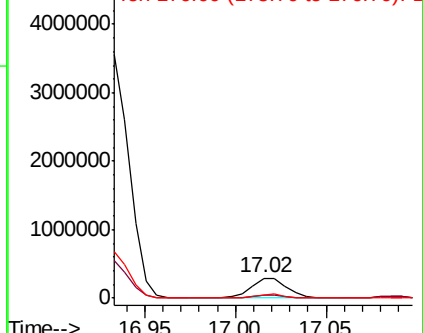
176 17.9 14.9 22.3

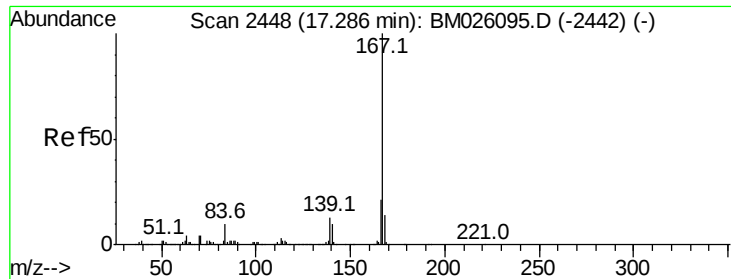


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 220.295 ng/ul

RT: 17.31 min Scan# 2452

Delta R.T. 0.02 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

Instrument :

BNA_M

ClientSampleId :

F9B25

Tot Ion:167 Resp:12000776

Ion Ratio Lower Upper

167 100

166 22.4 16.6 25.0

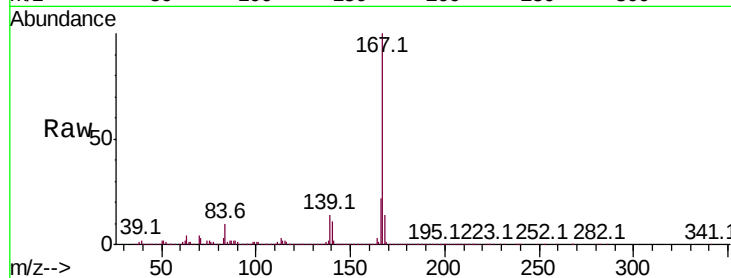
139 13.9 10.8 16.2

Manual Integrations

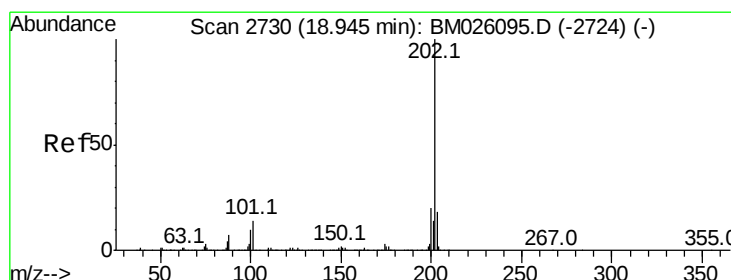
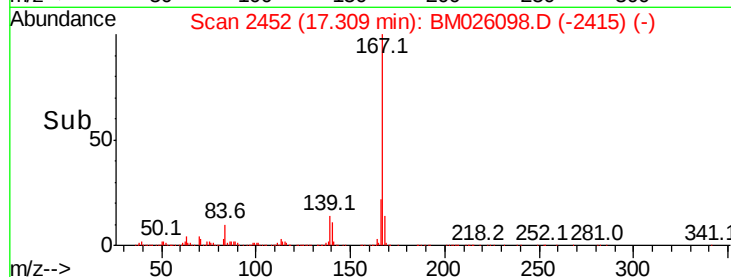
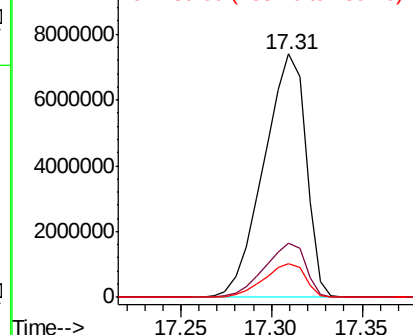
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5/26/2020 10:11:28 AM



Abundance Ion 167.00 (166.70 to 167.70): E
1e+07 Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 9.025 ng/ul

RT: 18.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: BM026098.D

Acq: 23 May 2020 03:04

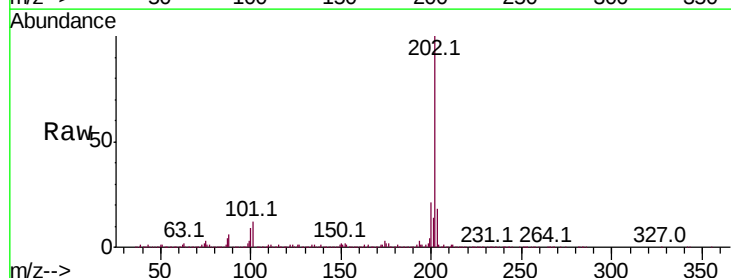
Tgt Ion:202 Resp: 621337

Ion Ratio Lower Upper

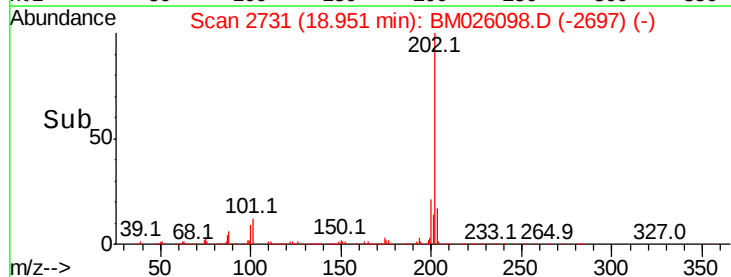
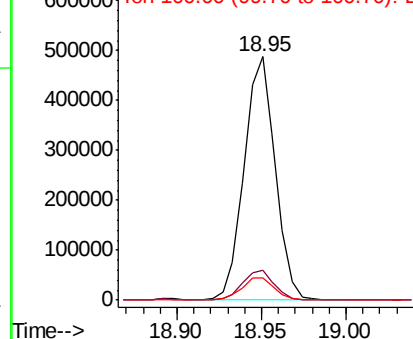
202 100

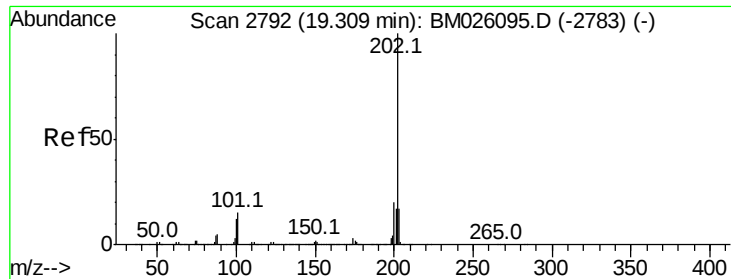
101 12.2 9.5 14.3

100 8.9 7.6 11.4



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





#80
 Pvrene
 Concen: 7.838 ng/ul
 RT: 19.32 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM026098.D
 Acq: 23 May 2020 03:04

Instrument :
 BNA_M
 ClientSampleId :
 F9B25

Tot Ion:	202	Resp:	579554
Ion Ratio	Lower	Upper	
202	100		
101	13.8	12.2	18.4
100	11.9	10.2	15.4

Manual Integrations
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 5/26/2020 10:11:28 AM

