

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052220\
 Data File : BM026103.D
 Acq On : 23 May 2020 06:06
 Operator : MA/SJ
 Sample : L2737-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9B14

Manual Integrations
 APPROVED

mohammad
 5/26/2020 10:12:04 AM

Quant Time: May 25 11:55:48 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	197097	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	660539m	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.14	164	471165	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	954616	20.00	ng/ul	0.00
78) Chrysene-d12	21.09	240	966434	20.00	ng/ul	0.00
86) Perylene-d12	23.22	264	1009524	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.07	96	28986	4.44	ng/uL	0.00
5) Phenol-d5	6.70	99	141714	7.93	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.85	67	393403	31.81	ng/ul	0.01
9) 2-Chlorophenol-d4	7.05	132	375882	26.86	ng/ul	0.01
13) 4-Methylphenol-d8	8.23	113	248703	18.46	ng/ul	0.02
19) Nitrobenzene-d5	8.66	128	244522	45.41	ng/ul	0.02
22) 2-Nitrophenol-d4	9.37	143	255588	47.98	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.96	165	403507	37.73	ng/ul	0.08
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.58	166	1276740	33.79	ng/ul	0.02
47) Acenaphthylene-d8	13.83	160	1567020	35.01	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	62680m	9.37	ng/ul	0.04
58) Fluorene-d10	15.14	176	1141824	34.74	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.29	200	178967	32.15	ng/ul	0.02
71) Anthracene-d10	16.99	188	1686054	35.84	ng/ul	0.01
79) Pyrene-d10	19.29	212	1833014	36.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.08	264	1814320	33.77	ng/ul	0.01
Target Compounds						
6) Phenol	6.73	94	3492444	174.245	ng/ul	97
11) 2-Methylphenol	7.97	108	6425564	465.289	ng/ul	99
16) 4-Methylphenol	8.31	108	8575283	570.976	ng/ul	97
24) 2,4-Dimethylphenol	9.53	107	14978399	1012.590	ng/ul	97
28) Naphthalene	10.32	128	88734703m	2197.131	ng/ul	
34) 2-Methylnaphthalene	11.96	142	14119937	519.798	ng/ul	99
41) 1,1'-Biphenyl	12.97	154	3047687	72.897	ng/ul	99
45) Dimethylphthalate	13.63	163	154974	3.907	ng/ul	99
48) Acenaphthylene	13.86	152	186109	3.787	ng/ul#	87
50) Acenaphthene	14.22	153	11779635	339.875	ng/ul	97
54) Dibenzofuran	14.56	168	8928002	183.298	ng/ul	100
59) Fluorene	15.20	166	6262523	158.943	ng/ul	99
69) Pentachlorophenol	16.56	266	23411	3.401	ng/ul	98
70) Phenanthrene	16.94	178	9932513	165.178	ng/ul	98
72) Anthracene	17.03	178	957888	15.878	ng/ul	99
75) Carbazole	17.33	167	17771019	356.063	ng/ul	94
77) Fluoranthene	18.96	202	1840387	29.177	ng/ul	99
80) Pyrene	19.32	202	1124197	16.570	ng/ul	97
83) Benzo(a)anthracene	21.07	228	88605	1.330	ng/ul#	90

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

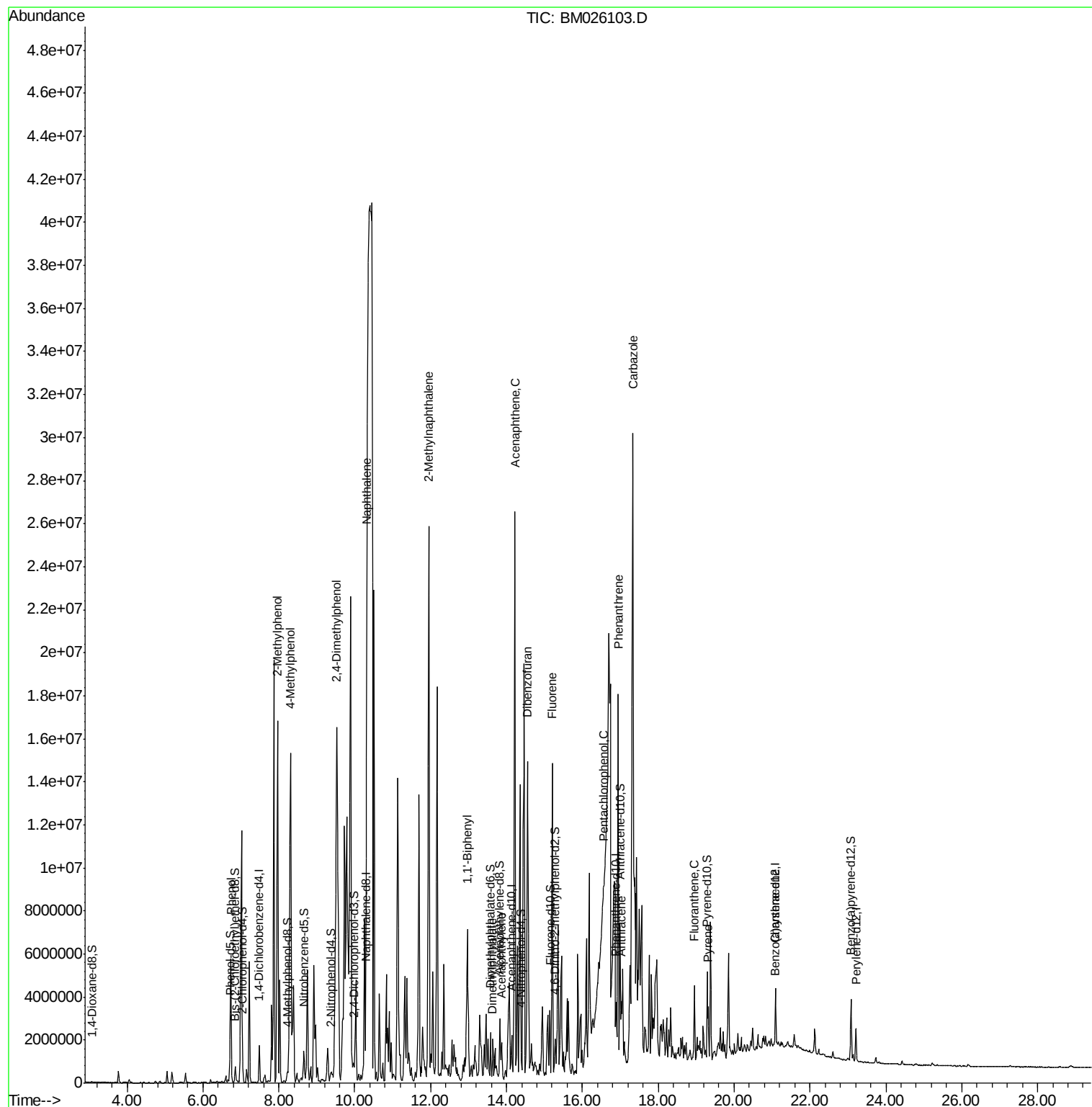
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052220\
Data File : BM026103.D
Acq On : 23 May 2020 06:06
Operator : MA/SJ
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ALS Vial : 28 Sample Multiplier: 1

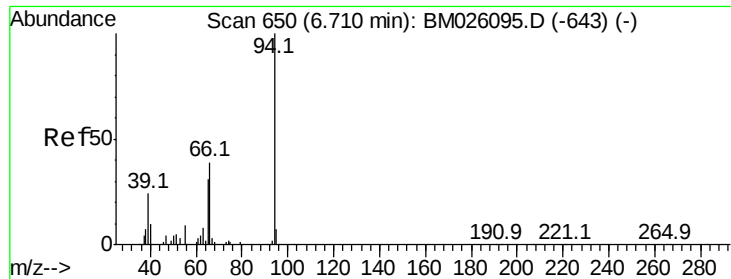
Instrument :
BNA_M
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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 22 13:18:41 2020
Response via : Initial Calibration





#6

Phenol

Concen: 174.245 ng/ul

RT: 6.73 min Scan# 654

Delta R.T. 0.02 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

Instrument :

BNA_M

ClientSampled :

F9B14

Tot Ion: 94 Resp: 3492444

Ion Ratio Lower Upper

94 100

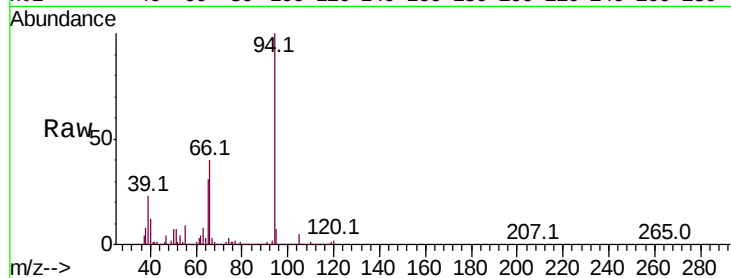
65 30.7 25.8 38.8

66 40.1 33.3 49.9

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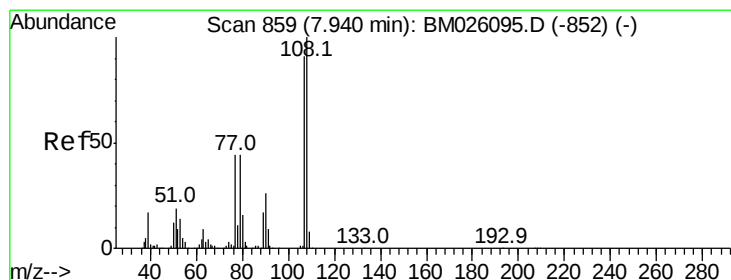
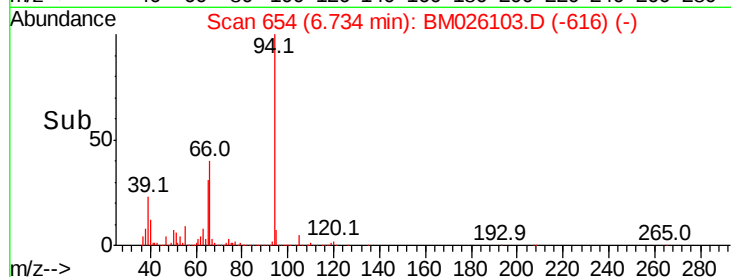
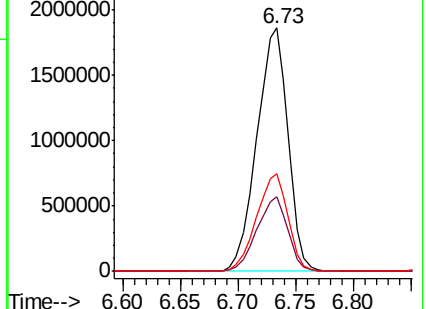
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Abundance Ion 94.00 (93.70 to 94.70): BM026103.D (-616) (-)

Ion 65.00 (64.70 to 65.70): BM026103.D (-616) (-)

Ion 66.00 (65.70 to 66.70): BM026103.D (-616) (-)



#11

2-Methylphenol

Concen: 465.289 ng/ul

RT: 7.97 min Scan# 864

Delta R.T. 0.03 min

Lab File: BM026103.D

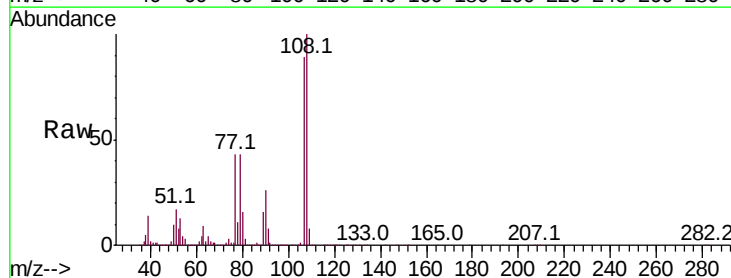
Acq: 23 May 2020 06:06

Tgt Ion: 108 Resp: 6425564

Ion Ratio Lower Upper

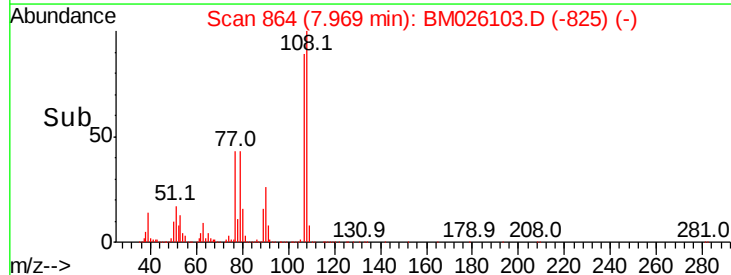
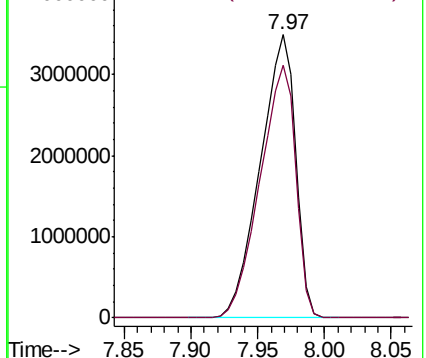
108 100

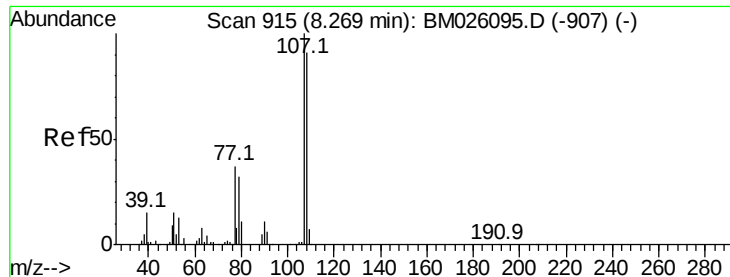
107 89.5 72.3 108.5



Abundance Ion 108.00 (107.70 to 108.70): BM026103.D (-825) (-)

Ion 107.00 (106.70 to 107.70): BM026103.D (-825) (-)





#16

4-Methylphenol

Concen: 570.976 ng/ul

RT: 8.31 min Scan# 922

Delta R.T. 0.04 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

Instrument :

BNA_M

ClientSampleId :

F9B14

Tot Ion:108 Resp: 8575283

Ion Ratio Lower Upper

108 100

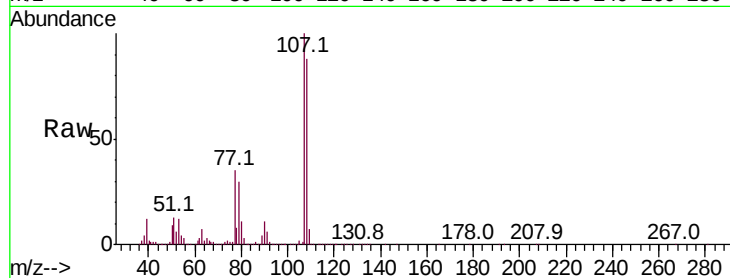
107 113.5 88.6 132.8

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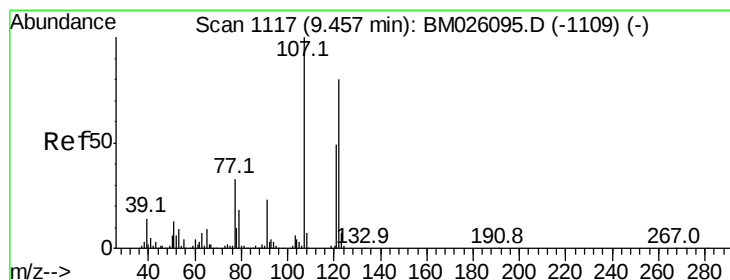
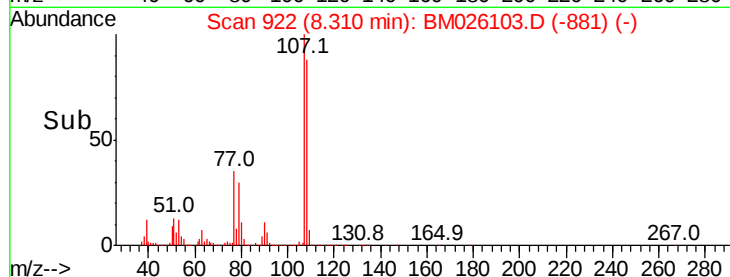
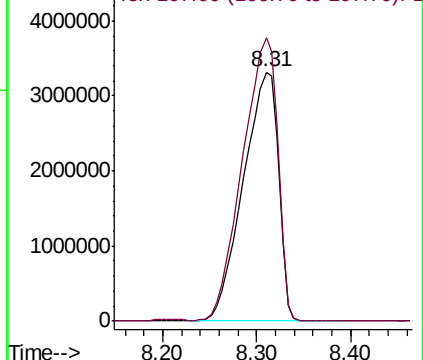
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 1012.590 ng/ul

RT: 9.53 min Scan# 1130

Delta R.T. 0.08 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

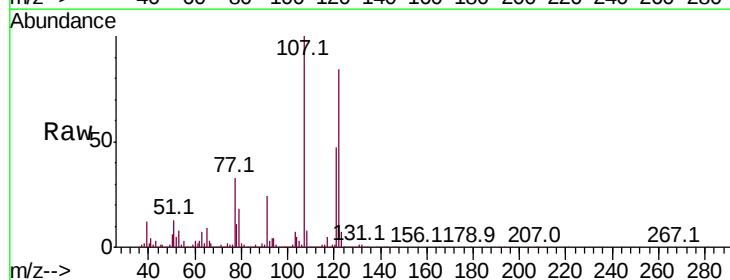
Tgt Ion:107 Resp:14978399

Ion Ratio Lower Upper

107 100

121 47.0 37.5 56.3

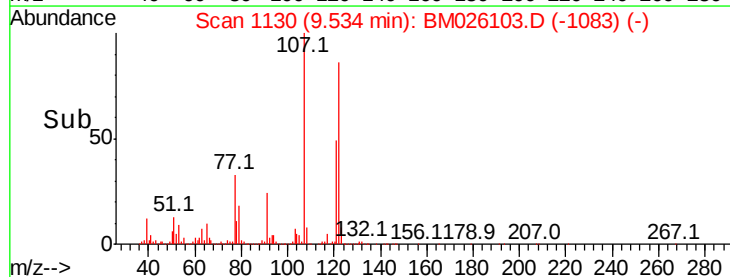
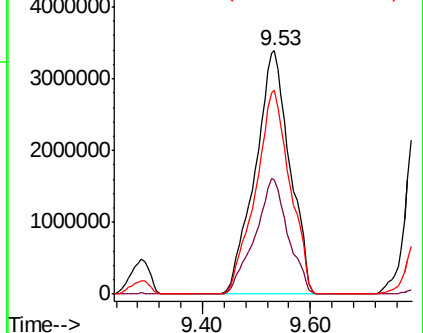
122 83.9 63.8 95.6

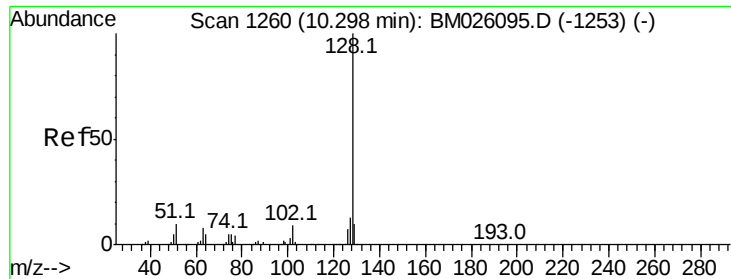


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





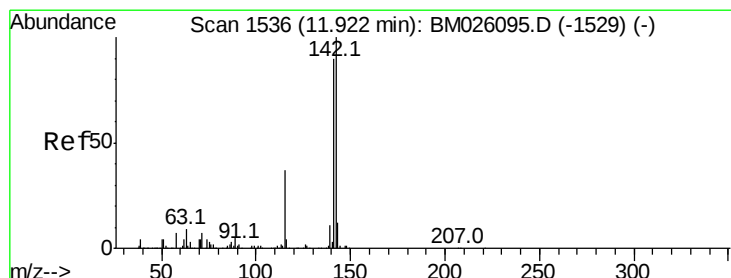
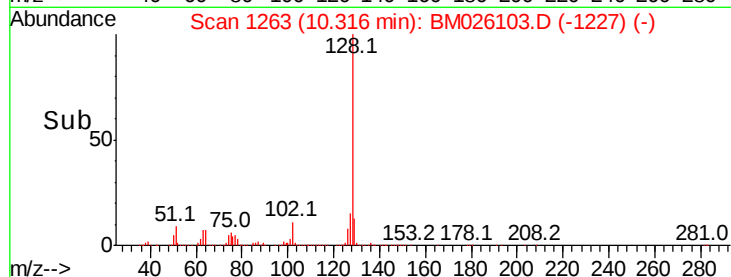
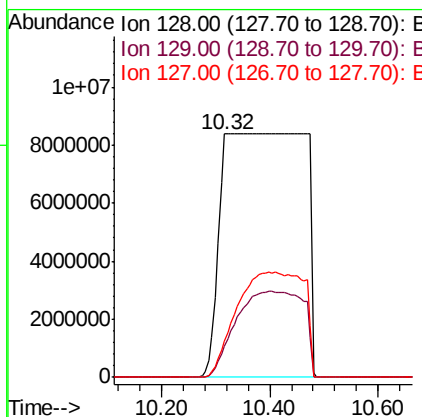
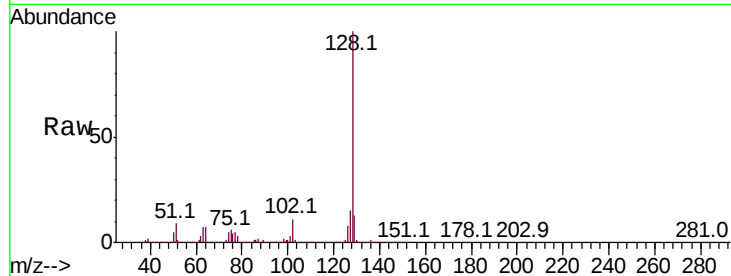
#28
Naphthalene
Concen: 2197.131 ng/ul m
RT: 10.32 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BM026103.D
Acq: 23 May 2020 06:06

Instrument :
BNA_M
ClientSampleId :
F9B14

Tot Ion:128 Resp:88734703
Ion Ratio Lower Upper
128 100
129 12.9 9.0 13.4
127 14.7 10.6 15.8

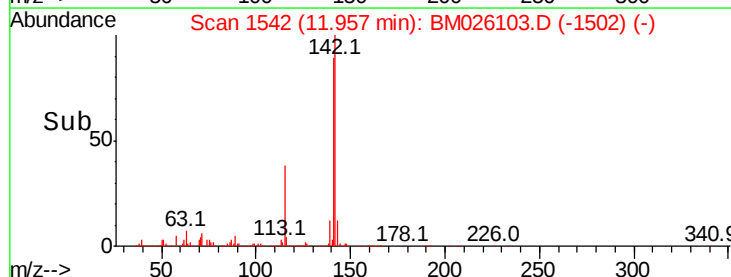
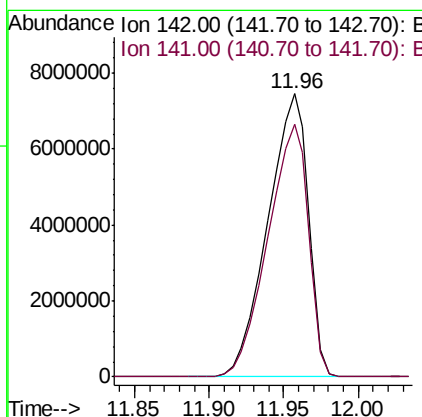
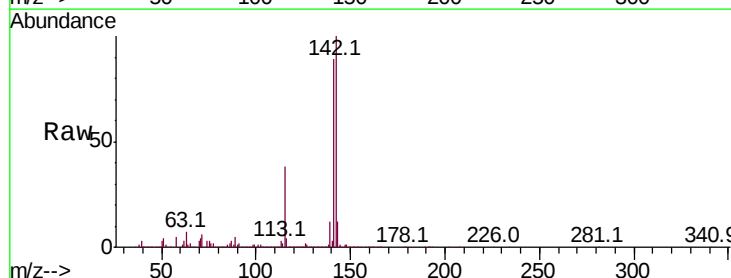
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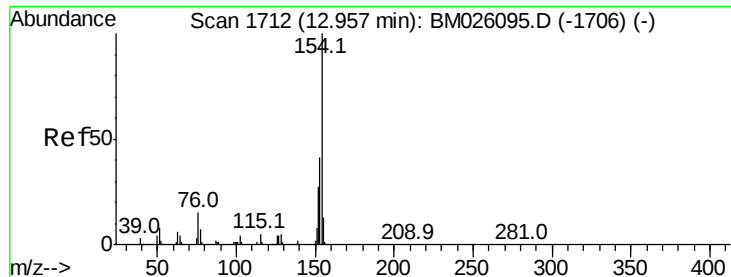
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#34
2-Methylnaphthalene
Concen: 519.798 ng/ul
RT: 11.96 min Scan# 1542
Delta R.T. 0.04 min
Lab File: BM026103.D
Acq: 23 May 2020 06:06

Tgt Ion:142 Resp:14119937
Ion Ratio Lower Upper
142 100
141 89.2 71.8 107.6





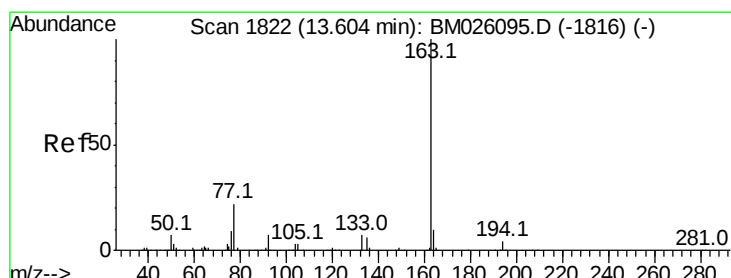
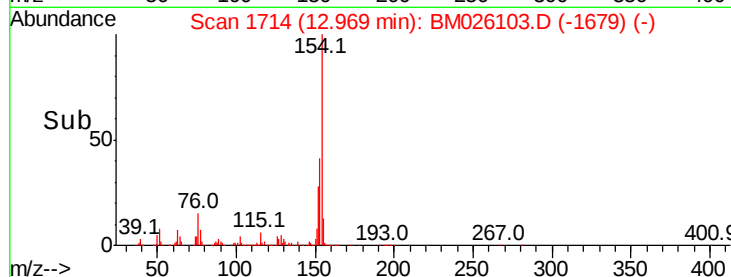
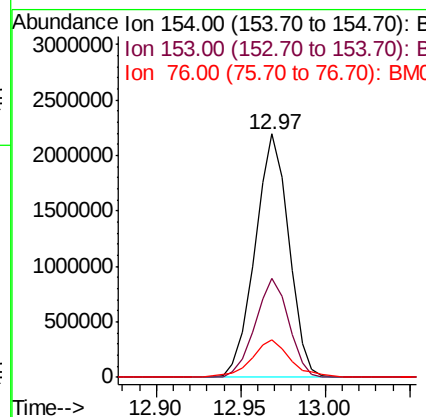
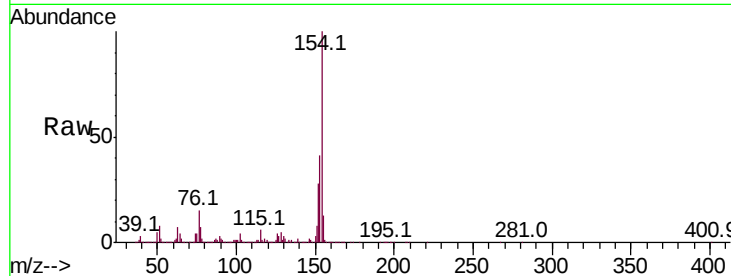
#41
1,1'-Biphenyl
Concen: 72.897 ng/ul
RT: 12.97 min Scan# 1714
Delta R.T. 0.01 min
Lab File: BM026103.D
Acq: 23 May 2020 06:06

Instrument :
BNA_M
ClientSampled :
F9B14

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.7	32.3	48.5
76	15.3	13.0	19.6

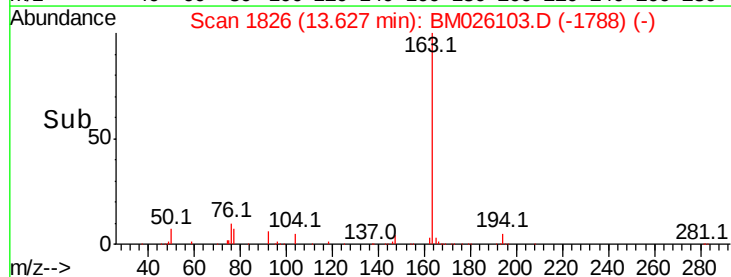
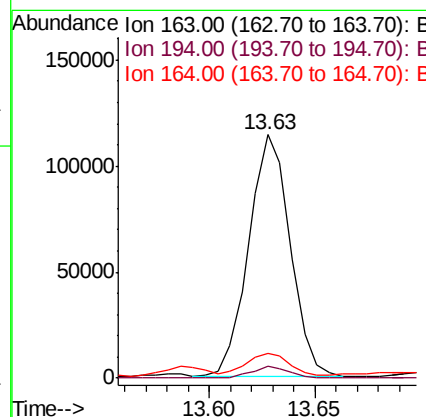
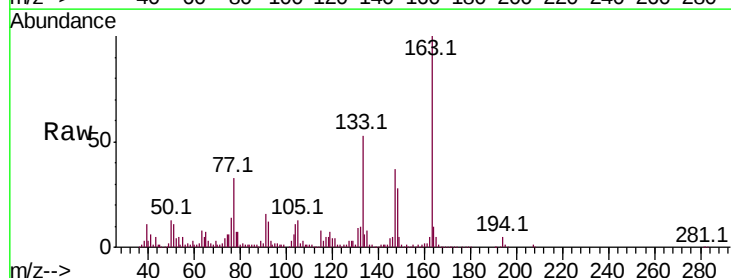
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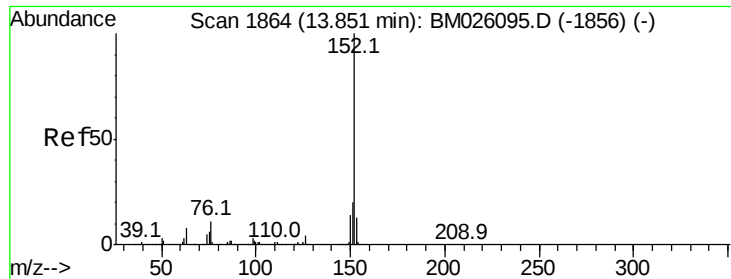
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#45
Dimethylphthalate
Concen: 3.907 ng/ul
RT: 13.63 min Scan# 1826
Delta R.T. 0.02 min
Lab File: BM026103.D
Acq: 23 May 2020 06:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.2	4.8
164	10.3	8.0	12.0





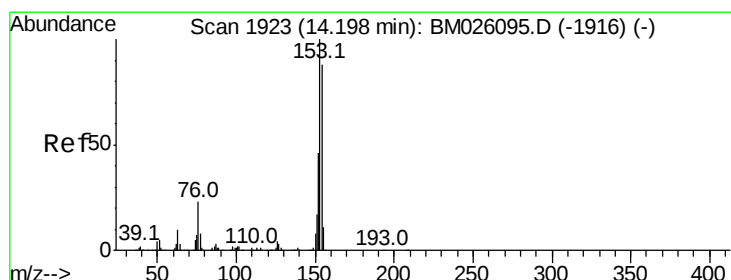
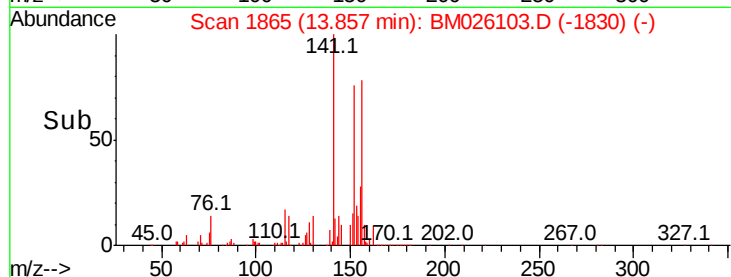
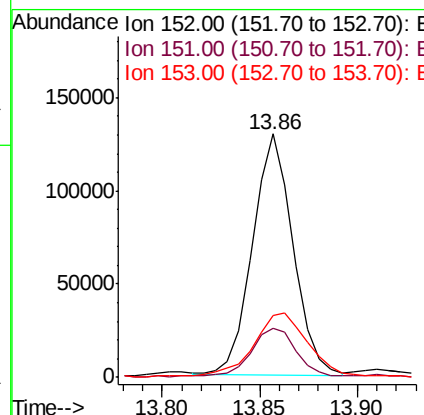
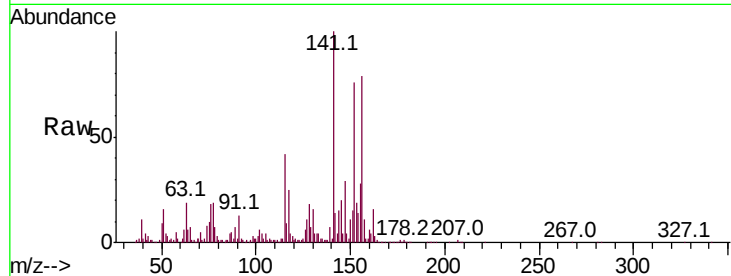
#48
Acenaphthylene
Concen: 3.787 ng/ul
RT: 13.86 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BM026103.D
Acq: 23 May 2020 06:06

Instrument :
BNA_M
ClientSampleId :
F9B14

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	25.5	10.2	15.2#

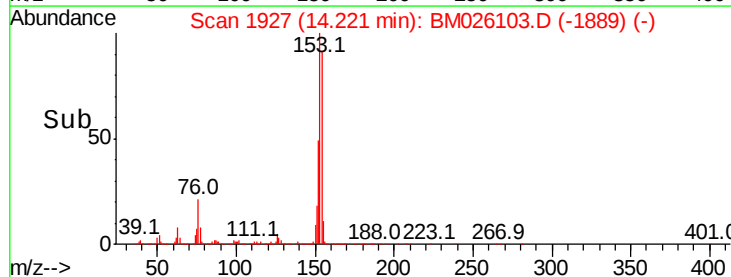
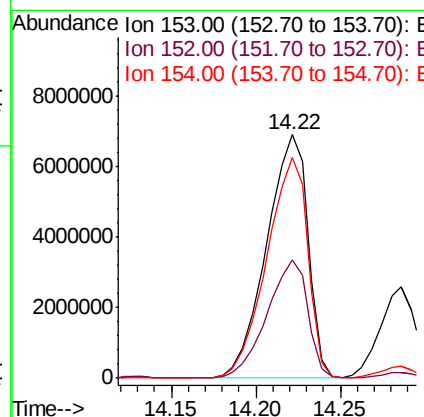
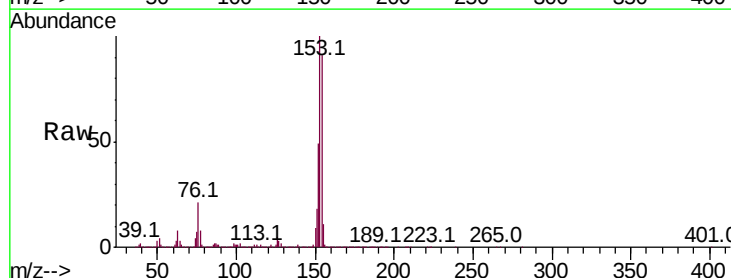
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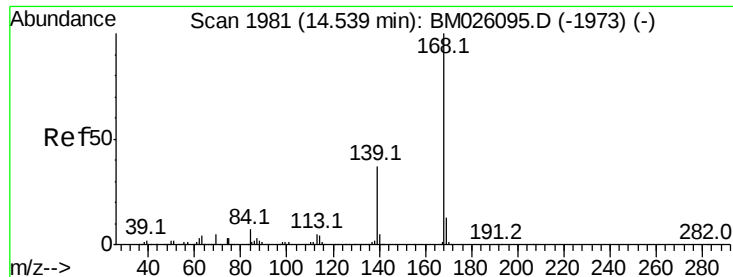
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#50
Acenaphthene
Concen: 339.875 ng/ul
RT: 14.22 min Scan# 1927
Delta R.T. 0.02 min
Lab File: BM026103.D
Acq: 23 May 2020 06:06

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.5	37.2	55.8
154	90.7	69.8	104.8





#54

Dibenzofuran

Concen: 183.298 ng/ul

RT: 14.56 min Scan# 1984

Delta R.T. 0.02 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

Instrument :

BNA_M

ClientSampleId :

F9B14

Tot Ion:168 Resp: 8928002

Ion Ratio Lower Upper

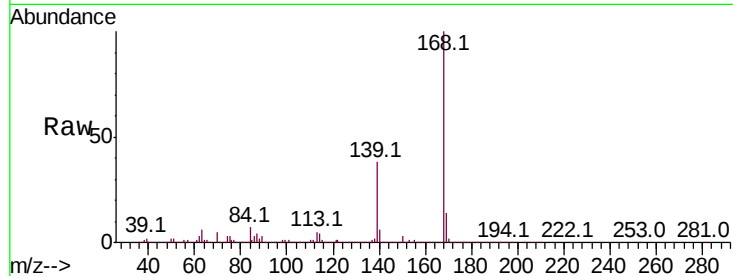
168 100

139 38.5 30.7 46.1

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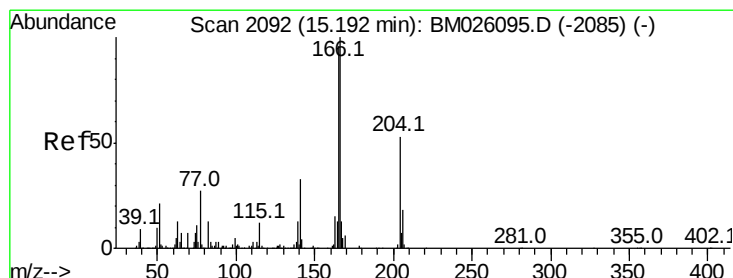
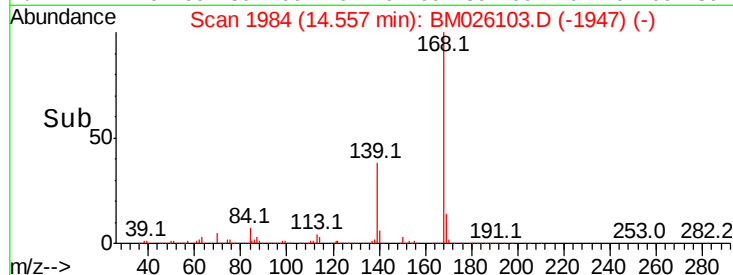
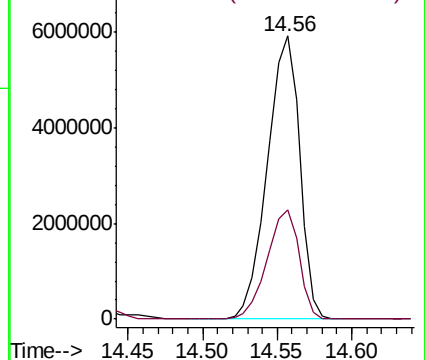
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 158.943 ng/ul

RT: 15.20 min Scan# 2094

Delta R.T. 0.01 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

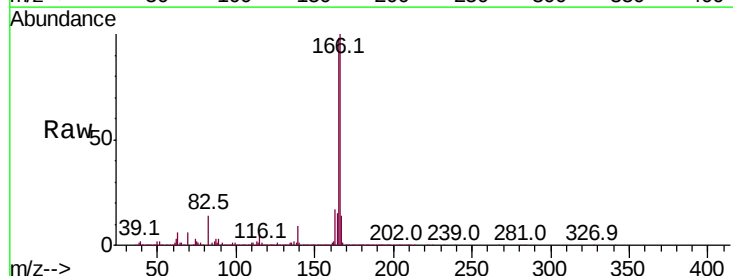
Tgt Ion:166 Resp: 6262523

Ion Ratio Lower Upper

166 100

165 97.7 77.3 115.9

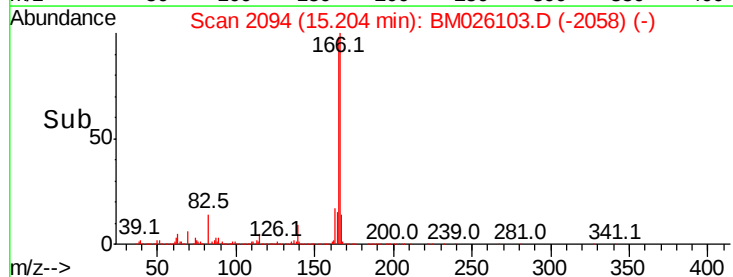
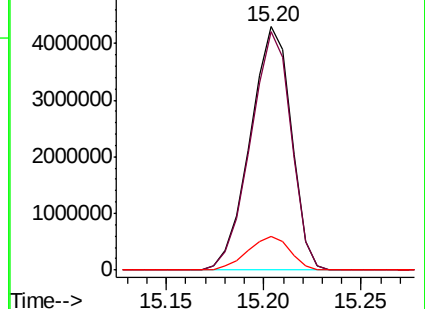
167 14.0 10.6 16.0

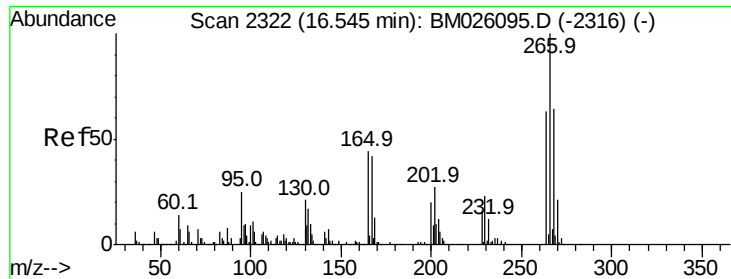


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





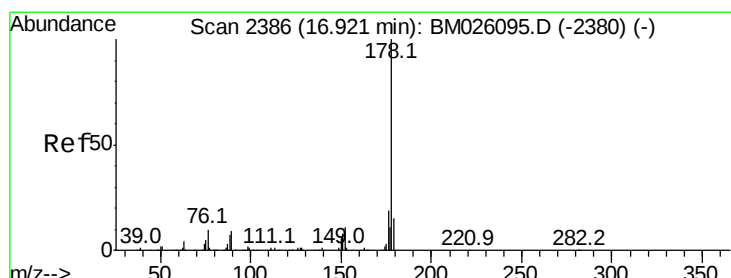
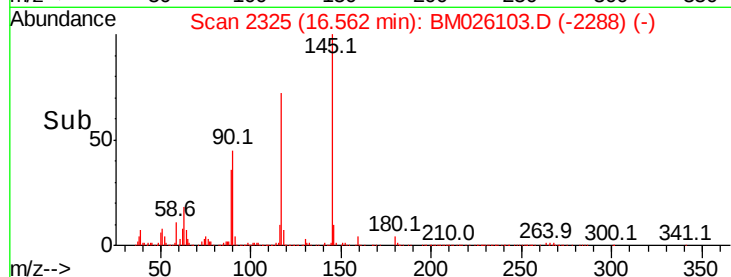
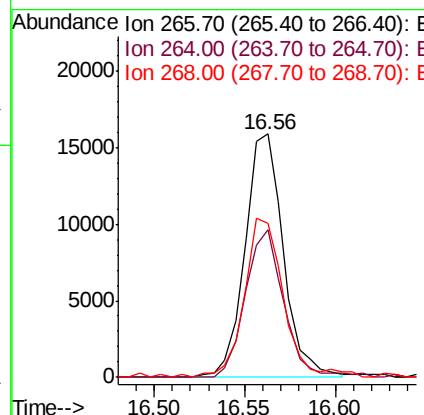
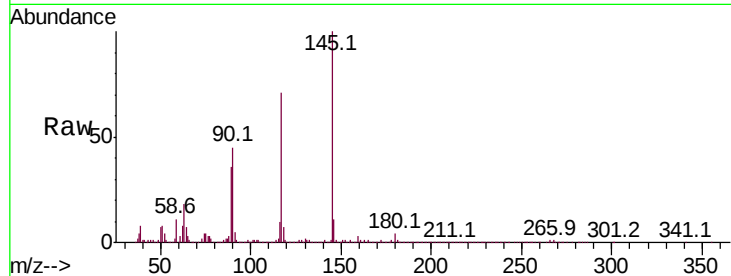
#69
 Pentachlorophenol
 Concen: 3.401 ng/ul
 RT: 16.56 min Scan# 2325
 Delta R.T. 0.02 min
 Lab File: BM026103.D
 Acq: 23 May 2020 06:06

Instrument :
 BNA_M
 ClientSampleId :
 F9B14

Tot Ion	Ratio	Resp	Lower	Upper
266	100	23411		
264	60.8	49.3	73.9	
268	63.1	52.4	78.6	

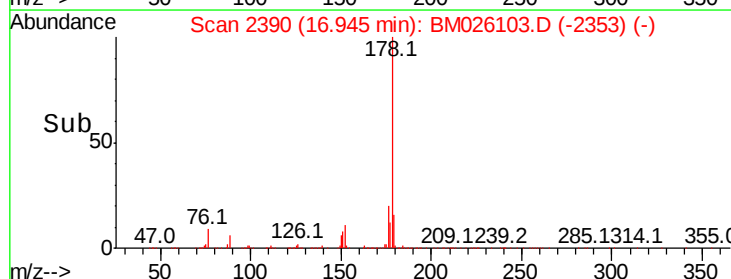
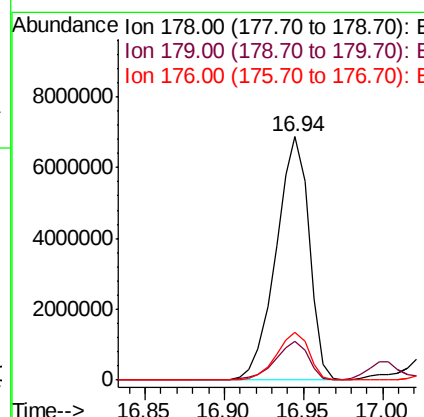
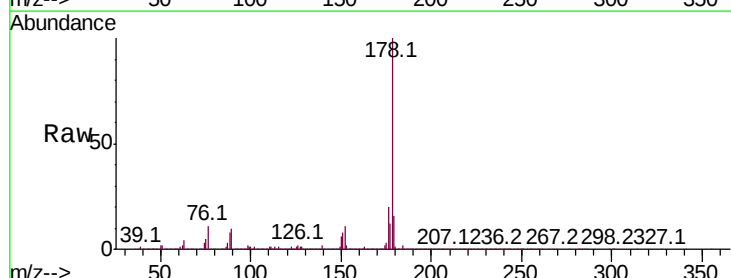
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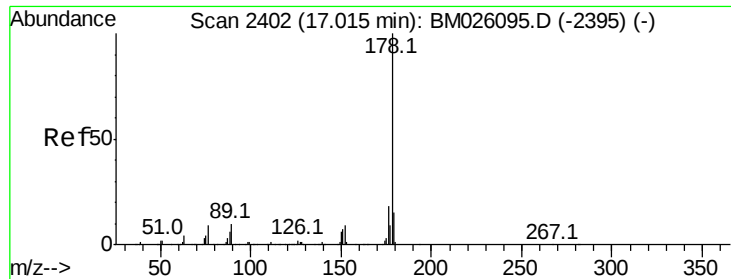
mohammad
 5/26/2020 10:12:04 AM



#70
 Phenanthrene
 Concen: 165.178 ng/ul
 RT: 16.94 min Scan# 2390
 Delta R.T. 0.02 min
 Lab File: BM026103.D
 Acq: 23 May 2020 06:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	9932513		
179	15.9	11.9	17.9	
176	19.7	14.9	22.3	





#72

Anthracene

Concen: 15.878 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

Instrument :

BNA_M

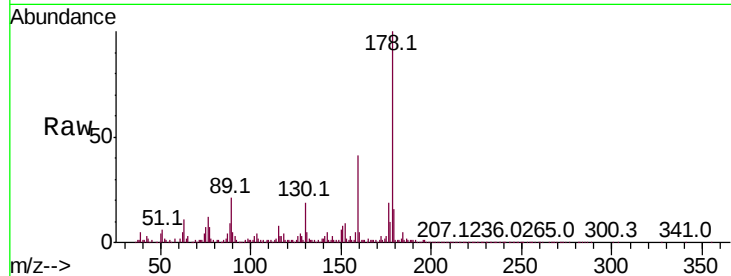
ClientSampled :

F9B14

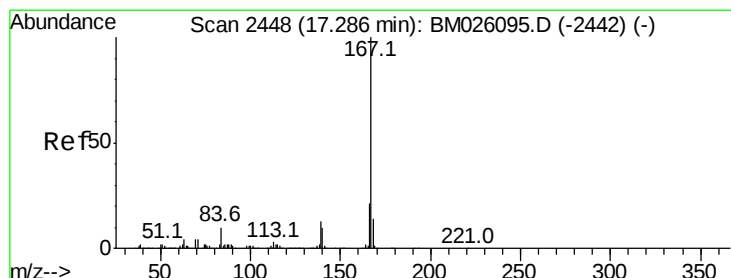
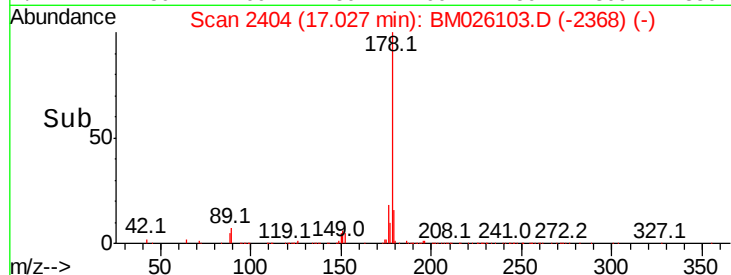
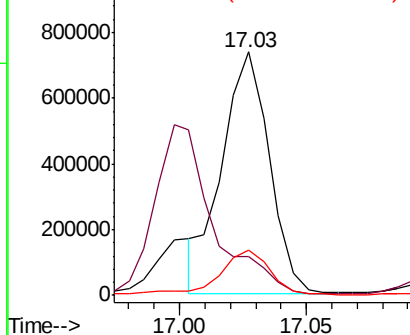
Tot Ion:	178	Resp:	957888
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.2	18.4
176	18.6	14.9	22.3

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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



#75

Carbazole

Concen: 356.063 ng/ul

RT: 17.33 min Scan# 2455

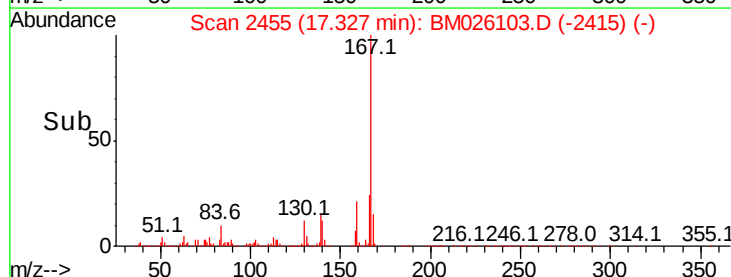
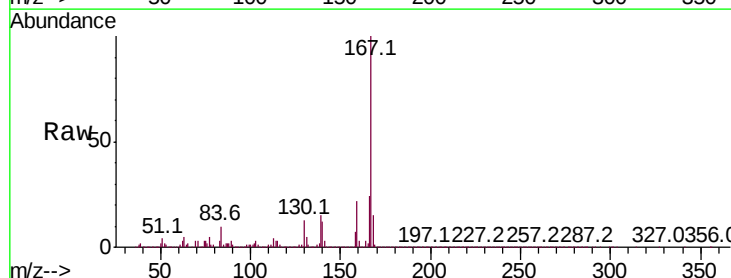
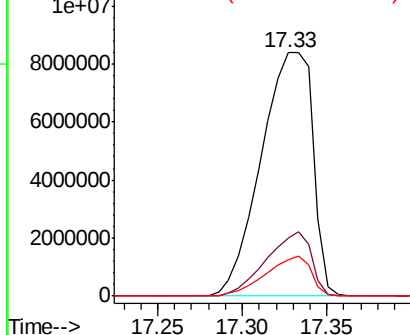
Delta R.T. 0.04 min

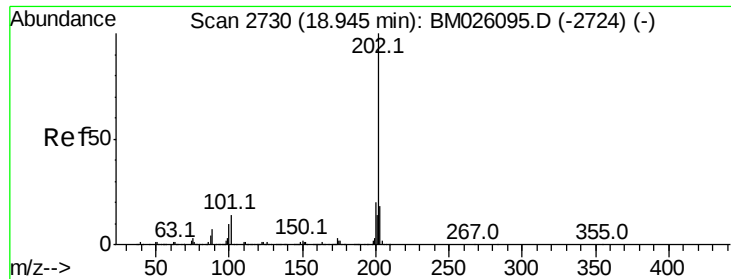
Lab File: BM026103.D

Acq: 23 May 2020 06:06

Tgt Ion:	167	Resp:	17771019
Ion Ratio	Lower	Upper	
167	100		
166	23.9	16.6	25.0
139	15.0	10.8	16.2

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





#77

Fluoranthene

Concen: 29.177 ng/ul

RT: 18.96 min Scan# 2732

Delta R.T. 0.01 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

Instrument :

BNA_M

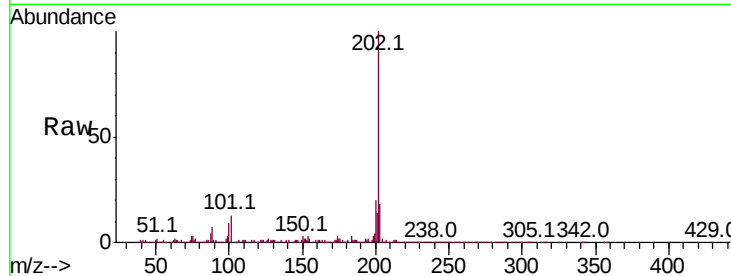
ClientSampleId :

F9B14

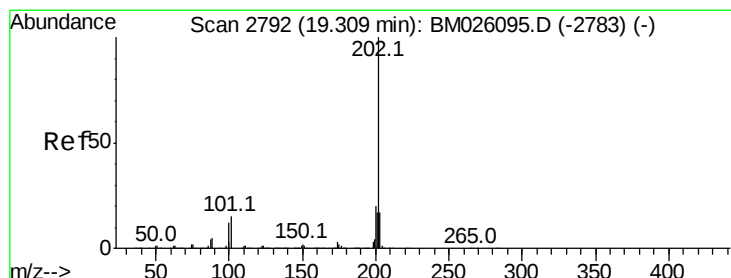
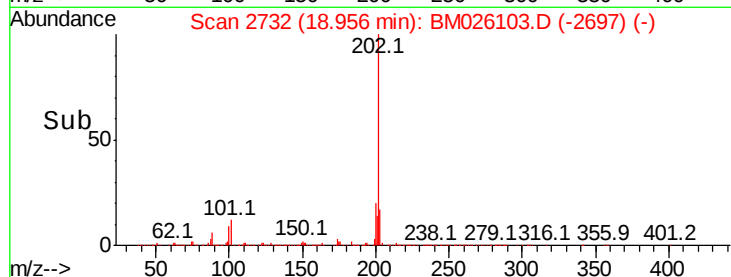
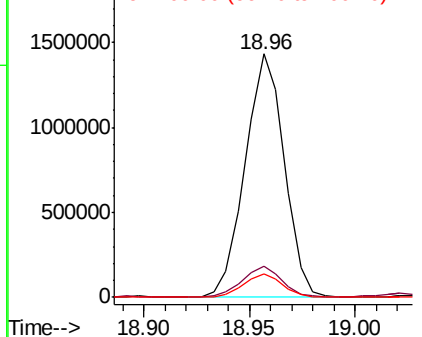
Tot Ion:	202	Resp:	1840387
Ion Ratio	Lower	Upper	
202	100		
101	12.7	9.5	14.3
100	9.5	7.6	11.4

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000 Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 16.570 ng/ul

RT: 19.32 min Scan# 2794

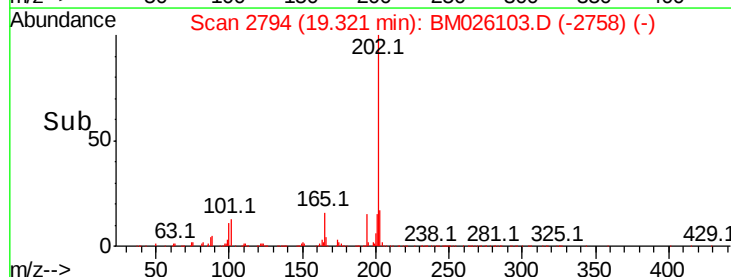
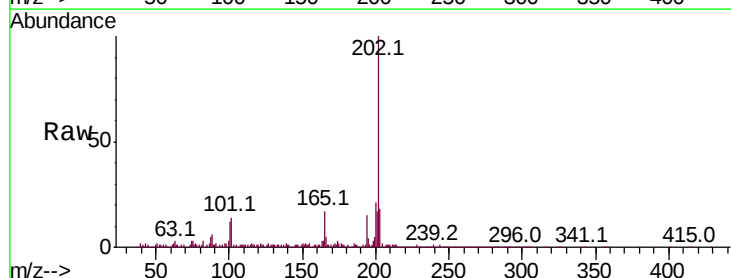
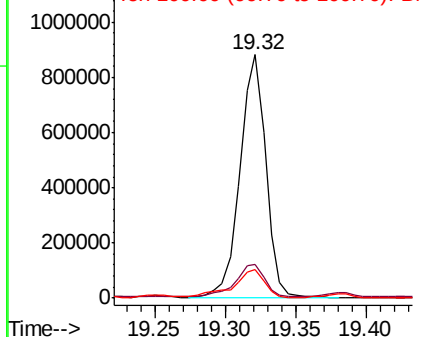
Delta R.T. 0.01 min

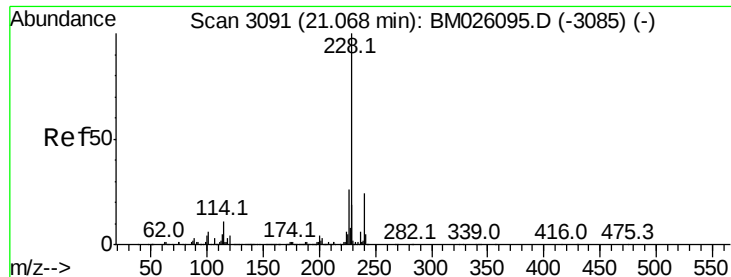
Lab File: BM026103.D

Acq: 23 May 2020 06:06

Tgt Ion:	202	Resp:	1124197
Ion Ratio	Lower	Upper	
202	100		
101	14.1	12.2	18.4
100	11.6	10.2	15.4

Abundance Ion 202.00 (201.70 to 202.70): E
1200000 Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 1.330 ng/ul

RT: 21.07 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BM026103.D

Acq: 23 May 2020 06:06

Instrument :

BNA_M

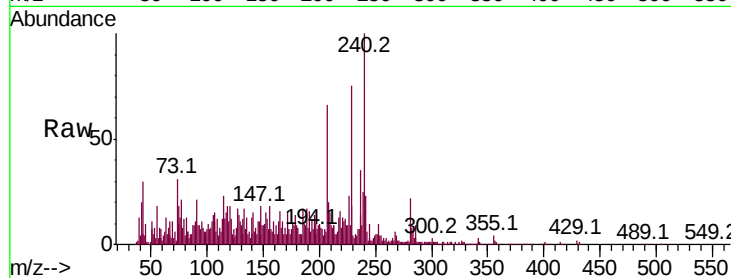
ClientSampleId :

F9B14

Tot Ion:	228	Resp:	88605
Ion Ratio	Lower	Upper	
228	100		
229	24.4	15.5	23.3#
226	30.9	21.2	31.8

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Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

