

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052220\
 Data File : BM026102.D
 Acq On : 23 May 2020 05:29
 Operator : MA/SJ
 Sample : L2737-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9B11

Manual Integrations
 APPROVED

mohammad
 5/26/2020 10:12:01 AM

Quant Time: May 25 12:05:17 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	208309	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	704699	20.00	ng/ul	0.07
36) Acenaphthene-d10	14.14	164	497309	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.90	188	1020080	20.00	ng/ul	0.01
78) Chrysene-d12	21.09	240	1021353	20.00	ng/ul	0.00
86) Perylene-d12	23.22	264	1077850	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	25166	3.64	ng/uL	0.00
5) Phenol-d5	6.69	99	140247	7.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	369686	28.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	373567	25.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.22	113	246409	17.30	ng/ul	0.01
19) Nitrobenzene-d5	8.65	128	226416	39.41	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	240827	42.37	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.94	165	404512	35.45	ng/ul	0.05
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.57	166	1233671	30.93	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	1500177	31.75	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	47079m	6.67	ng/ul	0.04
58) Fluorene-d10	15.14	176	1091625	31.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	165240	27.78	ng/ul	0.01
71) Anthracene-d10	17.00	188	1632172	32.47	ng/ul	0.02
79) Pyrene-d10	19.29	212	1772180	33.78	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.08	264	1708261	29.78	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.72	94	754291	35.608	ng/ul	97
11) 2-Methylphenol	7.95	108	1329373	91.081	ng/ul	99
14) Acetophenone	8.33	105	228440	9.561	ng/ul#	59
16) 4-Methylphenol	8.28	108	1805538	113.749	ng/ul	92
24) 2,4-Dimethylphenol	9.50	107	3933034m	249.225	ng/ul	
28) Naphthalene	10.32	128	75983211m	1763.497	ng/ul	
34) 2-Methylnaphthalene	11.95	142	9286680	320.447	ng/ul	99
41) 1,1'-Biophenyl	12.96	154	1727298	39.143	ng/ul	99
45) Dimethylphthalate	13.62	163	133757	3.195	ng/ul	99
48) Acenaphthylene	13.86	152	134762	2.598	ng/ul#	77
50) Acenaphthene	14.22	153	8509683	232.620	ng/ul	98
54) Dibenzofuran	14.55	168	6507610	126.582	ng/ul	100
59) Fluorene	15.20	166	4820438	115.911	ng/ul	99
69) Pentachlorophenol	16.57	266	16911	2.299	ng/ul	96
70) Phenanthrene	16.94	178	9689623	150.798	ng/ul	97
72) Anthracene	17.03	178	1072487	16.636	ng/ul	99
75) Carbazole	17.33	167	17564364	329.338	ng/ul#	90
77) Fluoranthene	18.96	202	3066004	45.489	ng/ul	99
80) Pyrene	19.32	202	2020242	28.176	ng/ul	98
83) Benzo(a)anthracene	21.08	228	267370	3.798	ng/ul	97
85) Chrysene	21.13	228	159639m	2.281	ng/ul	
88) Benzo(b)fluoranthene	22.59	252	123885	1.699	ng/ul#	92

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ClientSampleId :
F9B11

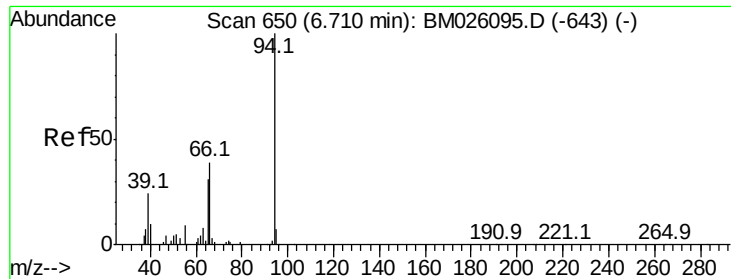
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5/26/2020 10:12:01 AM

Quant Time: May 25 12:05:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 35.608 ng/ul

RT: 6.72 min Scan# 651

Delta R.T. 0.01 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Instrument :

BNA_M

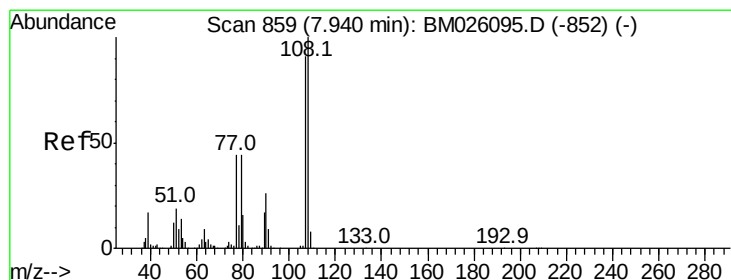
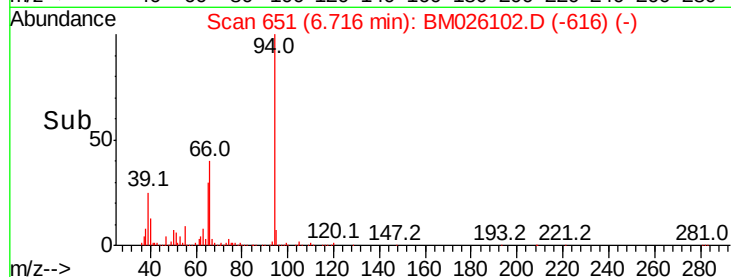
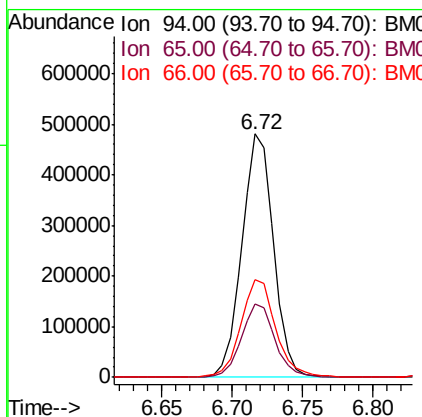
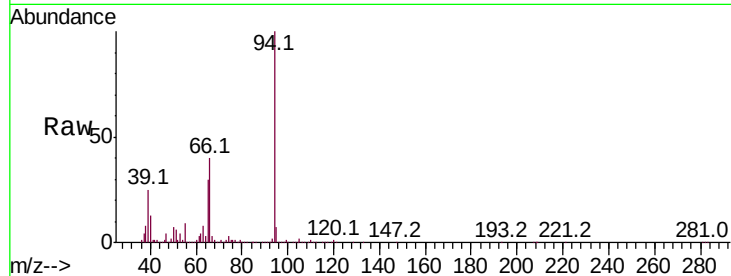
ClientSampleId :

F9B11

Tot Ion:	94	Resp:	754291
Ion Ratio	Lower	Upper	
94	100		
65	30.1	25.8	38.8
66	40.2	33.3	49.9

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#11

2-Methylphenol

Concen: 91.081 ng/ul

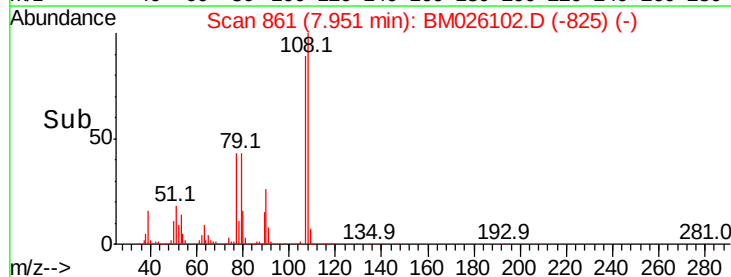
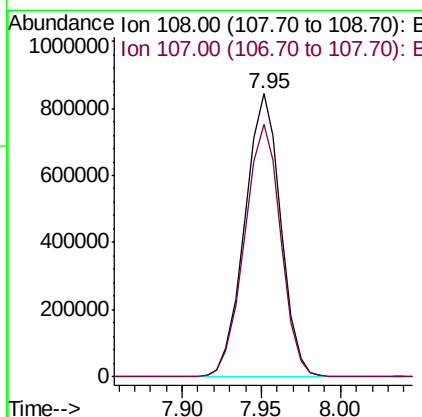
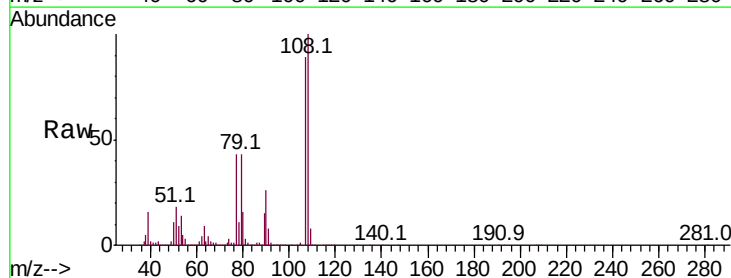
RT: 7.95 min Scan# 861

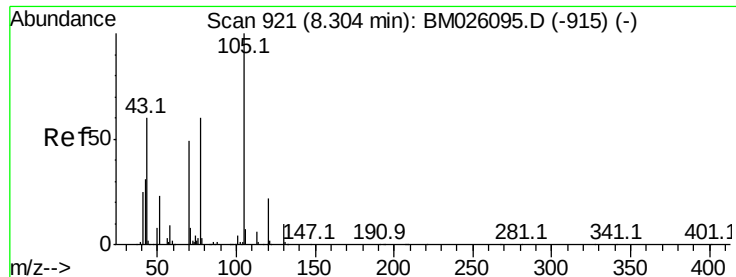
Delta R.T. 0.01 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Tgt Ion:	108	Resp:	1329373
Ion Ratio	Lower	Upper	
108	100		
107	89.4	72.3	108.5





#14

Acetophenone

Concen: 9.561 ng/ul

RT: 8.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Instrument :

BNA_M

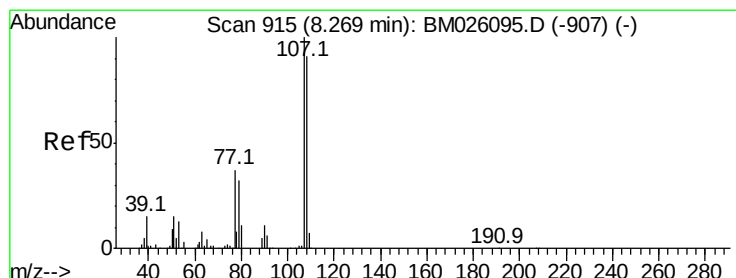
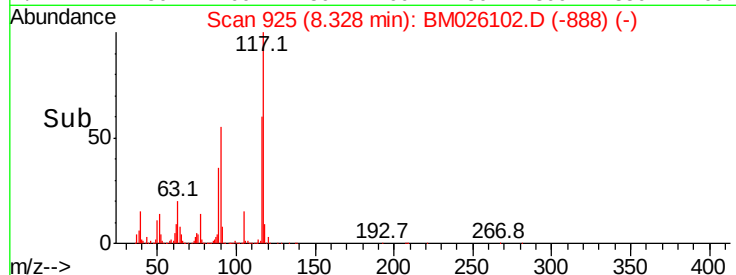
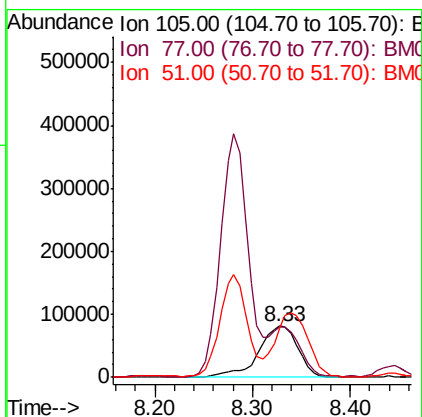
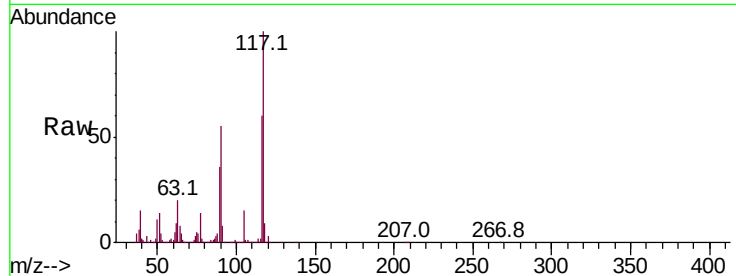
ClientSampled :

F9B11

Tot Ion	Ratio	Lower	Upper
105	100		
77	97.5	67.2	100.8
51	94.9	27.4	41.0

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#16

4-Methylphenol

Concen: 113.749 ng/ul

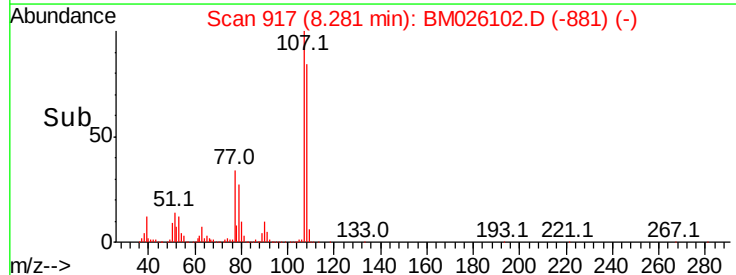
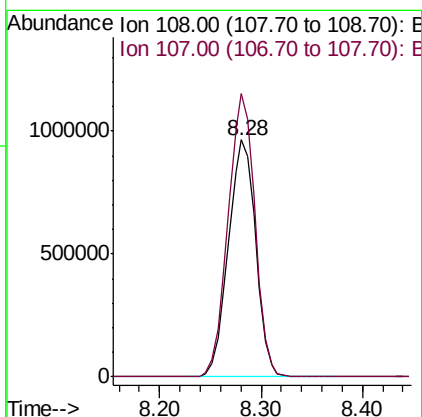
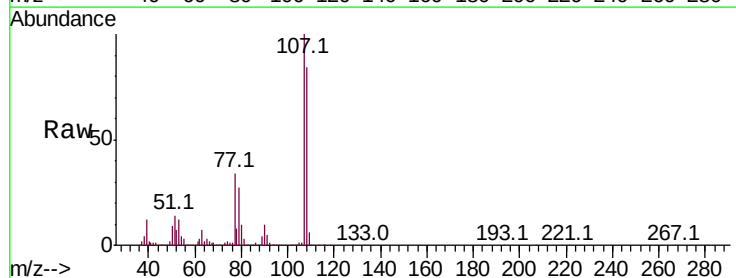
RT: 8.28 min Scan# 917

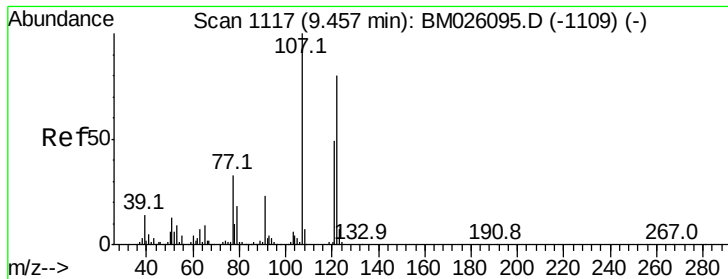
Delta R.T. 0.01 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Tgt Ion	Ratio	Lower	Upper
108	100		
107	119.6	88.6	132.8





#24

2,4-Dimethylphenol

Concen: 249.225 ng/ul m

RT: 9.50 min Scan# 1125

Delta R.T. 0.05 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Instrument :

BNA_M

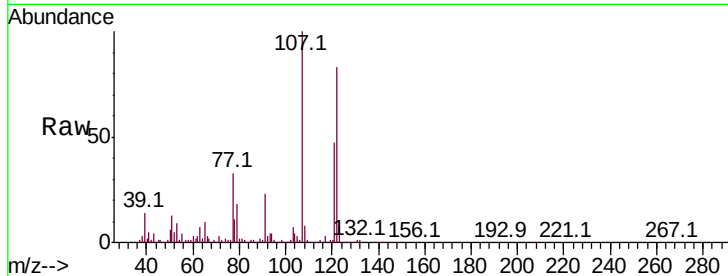
ClientSampled :

F9B11

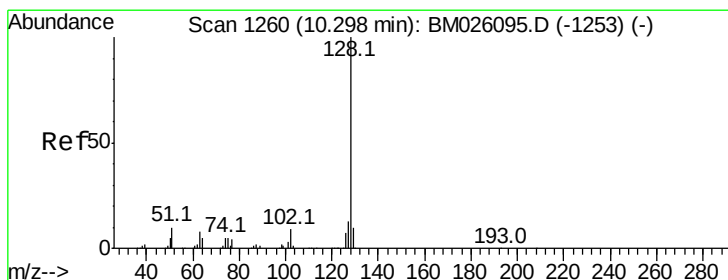
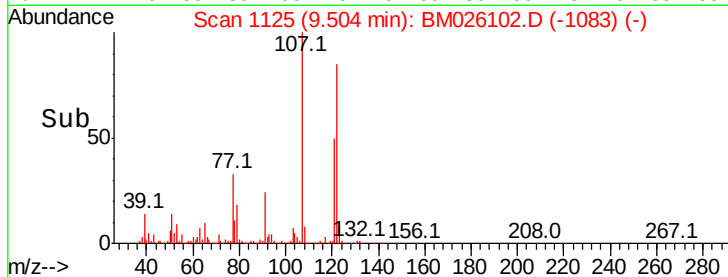
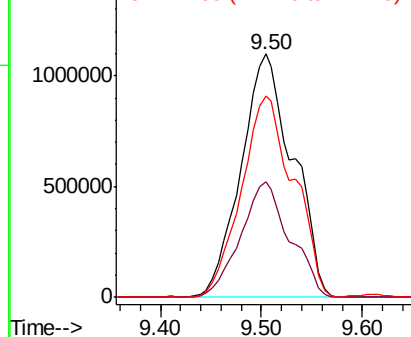
Tot Ion:	107	Resp:	3933034
Ion	Ratio	Lower	Upper
107	100		
121	47.5	37.5	56.3
122	82.7	63.8	95.6

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Abundance Ion 107.00 (106.70 to 107.70): E
1500000
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 1763.497 ng/ul m

RT: 10.32 min Scan# 1263

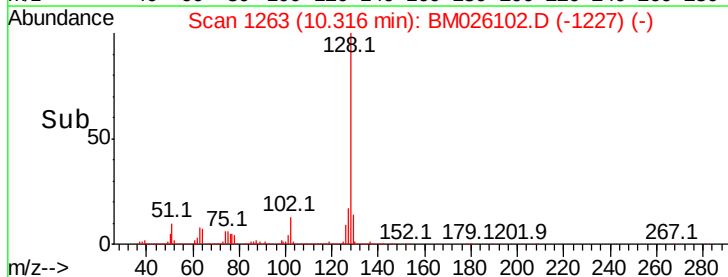
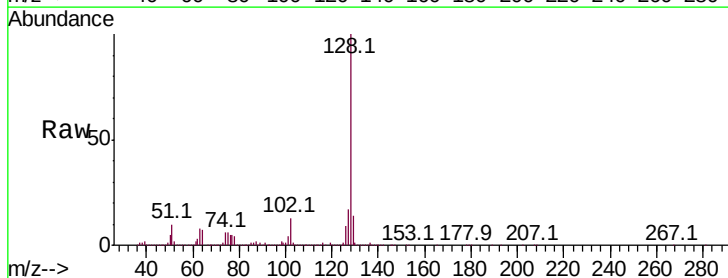
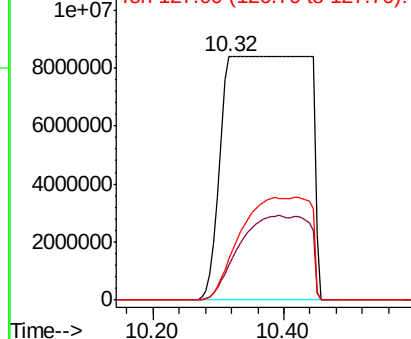
Delta R.T. 0.01 min

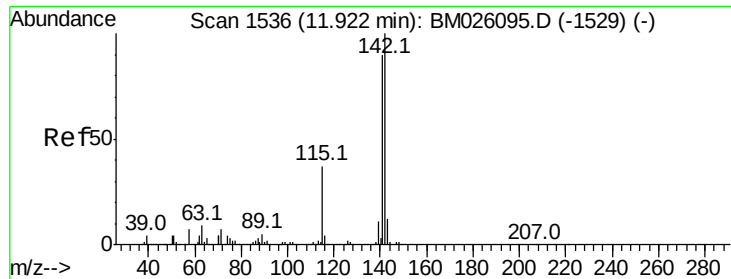
Lab File: BM026102.D

Acq: 23 May 2020 05:29

Tgt Ion:	128	Resp:	75983211
Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.0	13.4#
127	16.8	10.6	15.8#

Abundance Ion 128.00 (127.70 to 128.70): E
1e+07
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





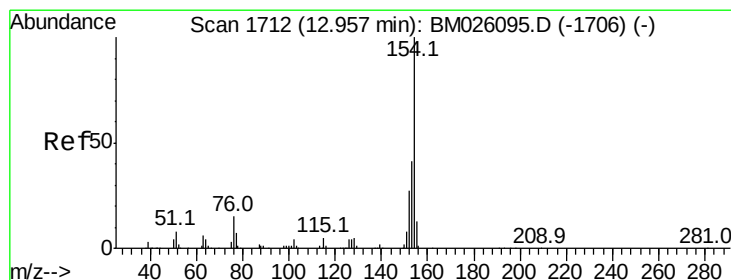
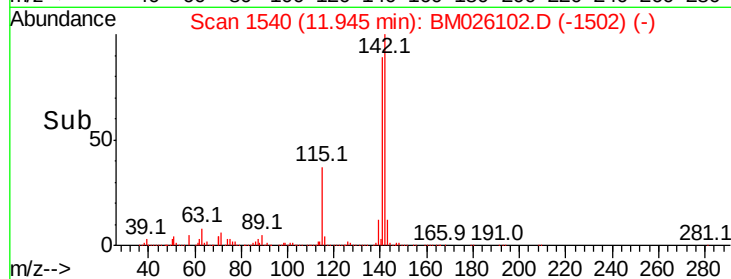
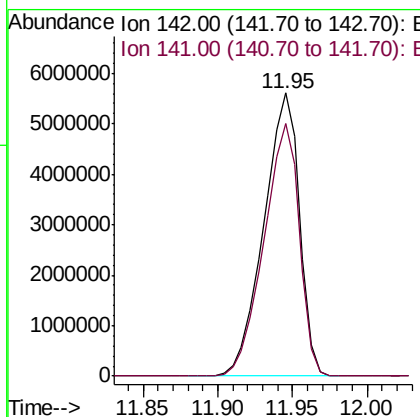
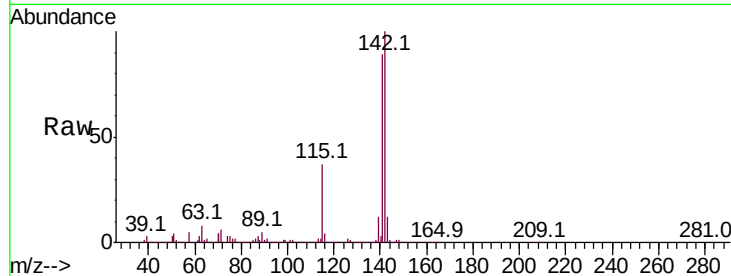
#34
 2-Methylnaphthalene
 Concen: 320.447 ng/ul
 RT: 11.95 min Scan# 1540
 Delta R.T. 0.02 min
 Lab File: BM026102.D
 Acq: 23 May 2020 05:29

Instrument :
 BNA_M
 ClientSampleId :
 F9B11

Tot Ion:142 Resp: 9286680
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.8 107.6

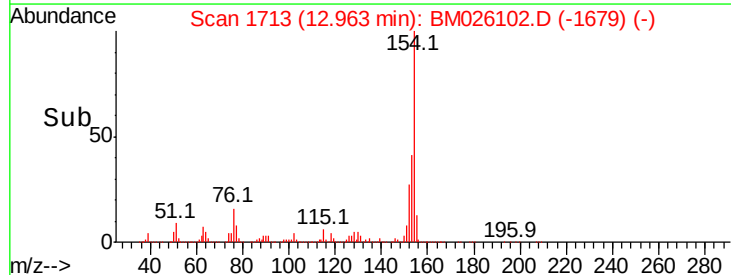
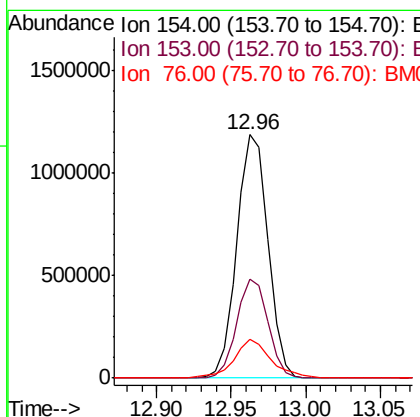
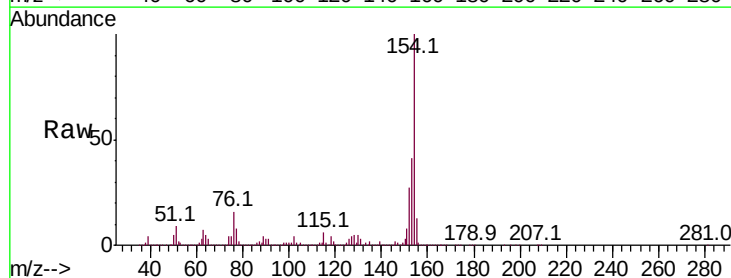
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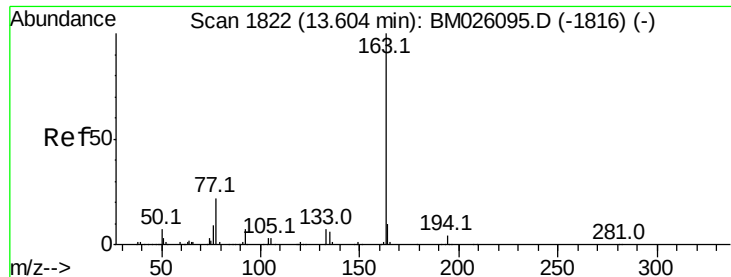
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#41
 1,1'-Biphenyl
 Concen: 39.143 ng/ul
 RT: 12.96 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BM026102.D
 Acq: 23 May 2020 05:29

Tgt Ion:154 Resp: 1727298
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.3 48.5
 76 15.8 13.0 19.6





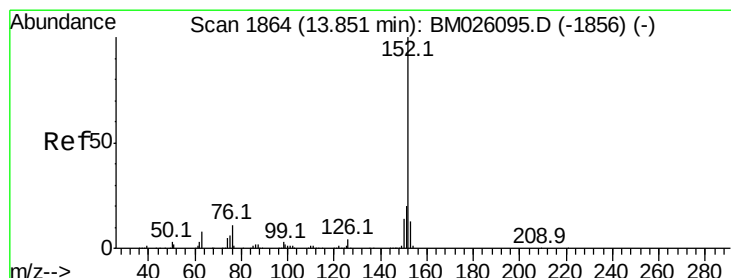
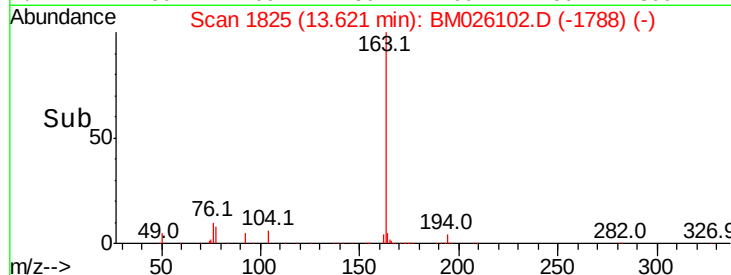
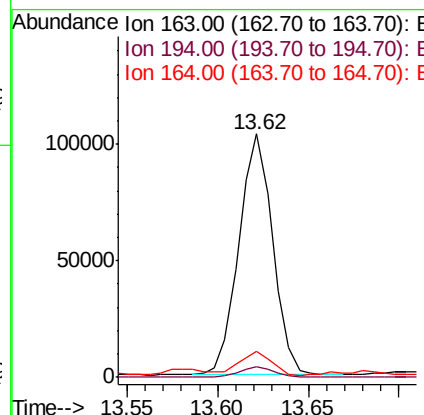
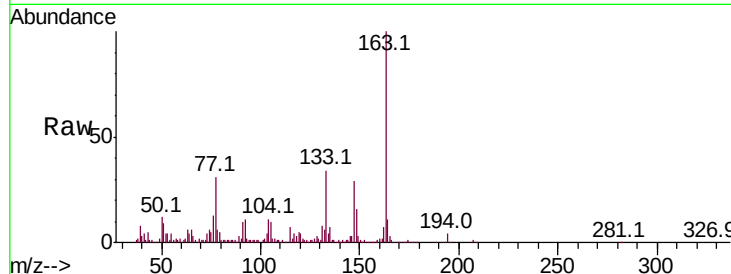
#45
Dimethylphthalate
Concen: 3.195 ng/ul
RT: 13.62 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BM026102.D
Acq: 23 May 2020 05:29

Instrument :
BNA_M
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	133757		
194	4.2	3.2	4.8	
164	10.6	8.0	12.0	

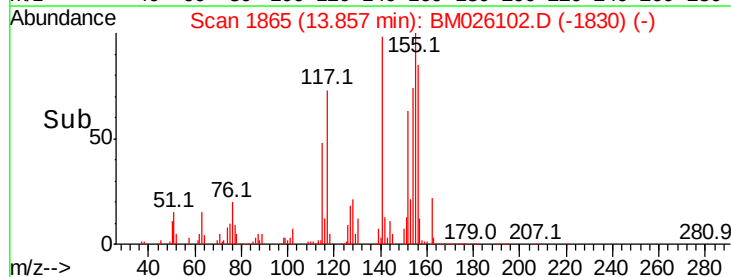
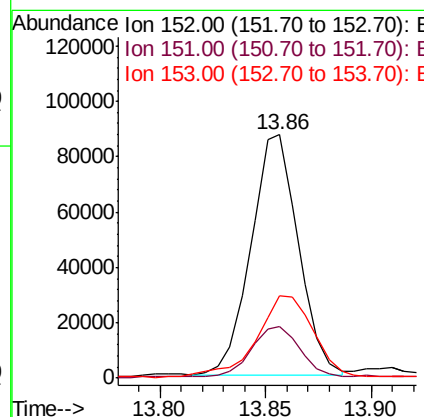
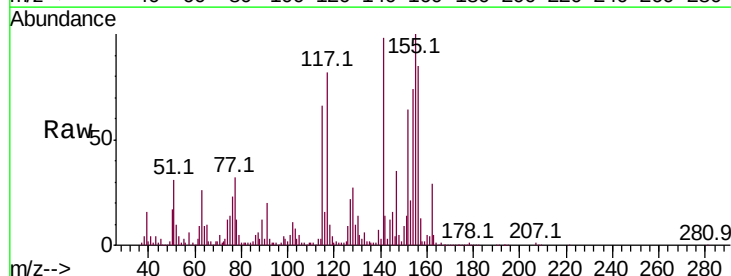
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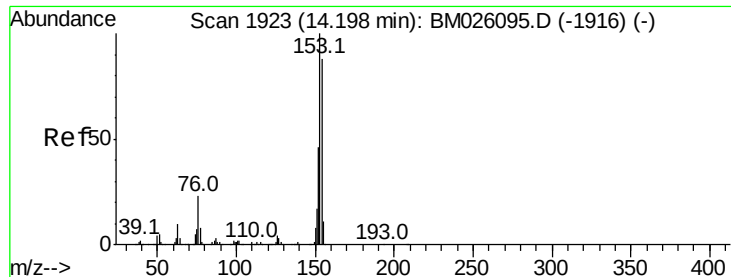
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#48
Acenaphthylene
Concen: 2.598 ng/ul
RT: 13.86 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BM026102.D
Acq: 23 May 2020 05:29

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	134762		
151	21.4	15.7	23.5	
153	33.7	10.2	15.2#	





#50

Acenaphthene

Concen: 232.620 ng/ul

RT: 14.22 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Instrument :

BNA_M

ClientSampleId :

F9B11

Tot Ion:153 Resp: 8509683

Ion Ratio Lower Upper

153 100

152 47.6 37.2 55.8

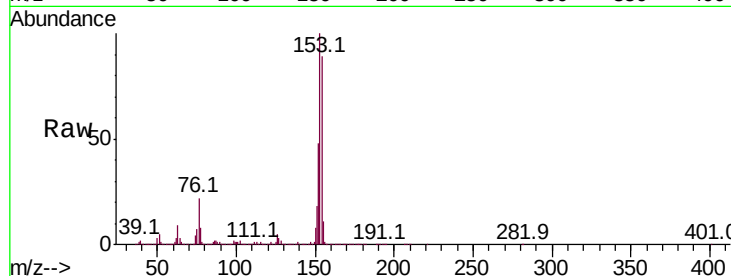
154 88.9 69.8 104.8

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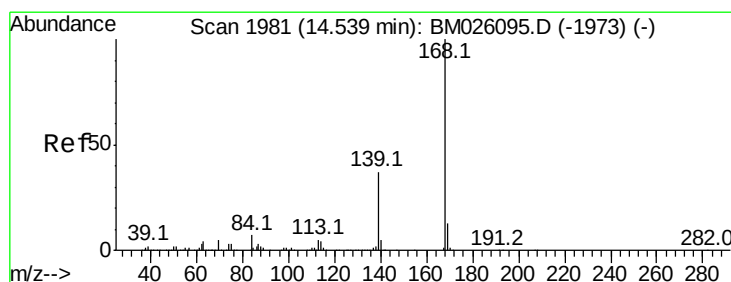
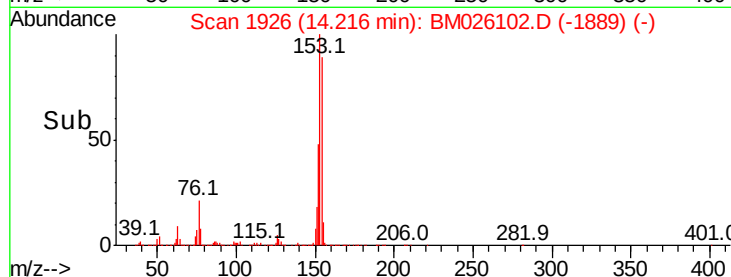
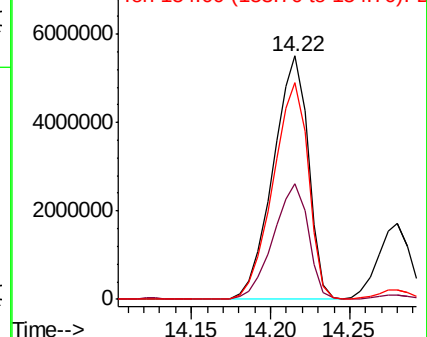
5/26/2020 10:12:01 AM



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



#54

Dibenzofuran

Concen: 126.582 ng/ul

RT: 14.55 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BM026102.D

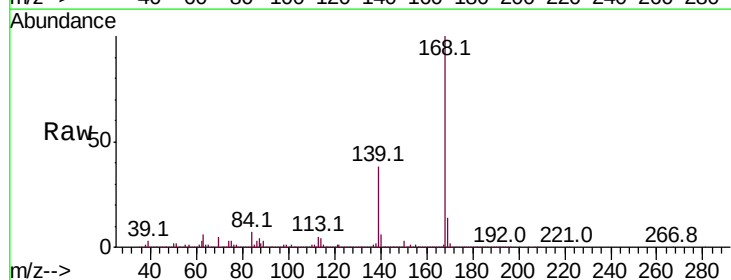
Acq: 23 May 2020 05:29

Tgt Ion:168 Resp: 6507610

Ion Ratio Lower Upper

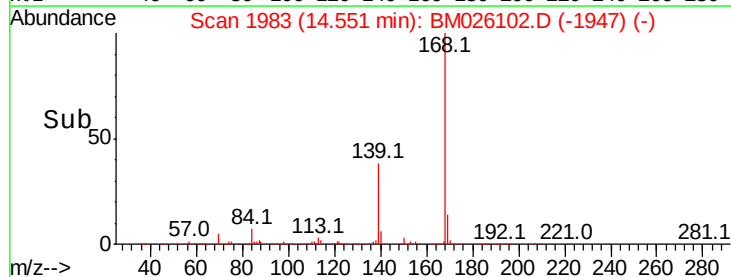
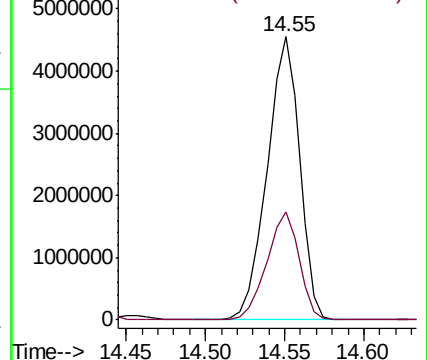
168 100

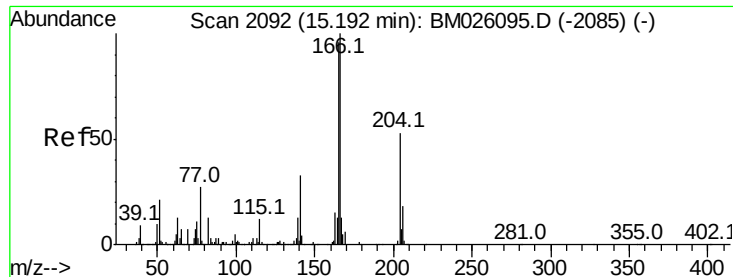
139 38.1 30.7 46.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





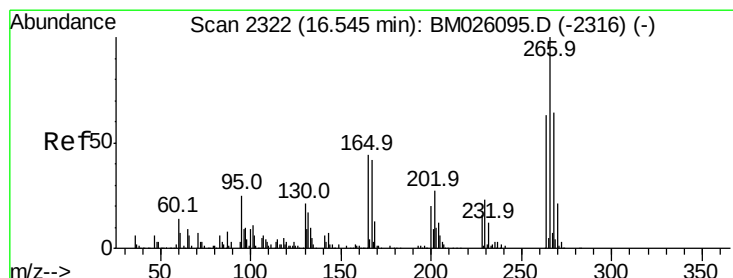
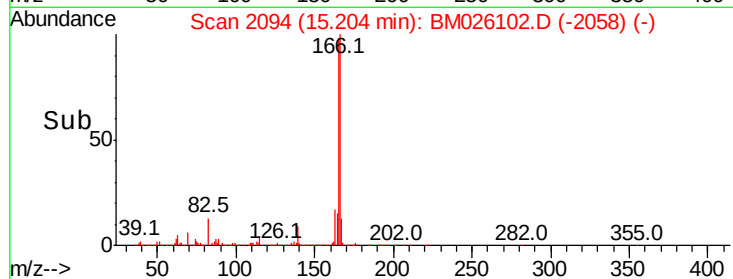
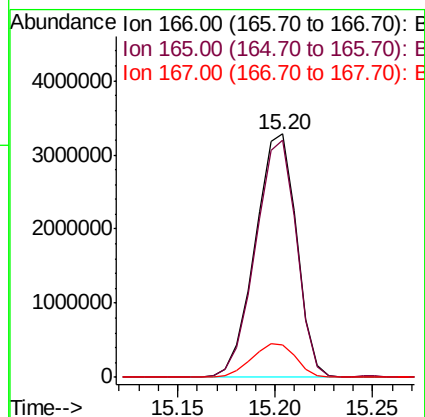
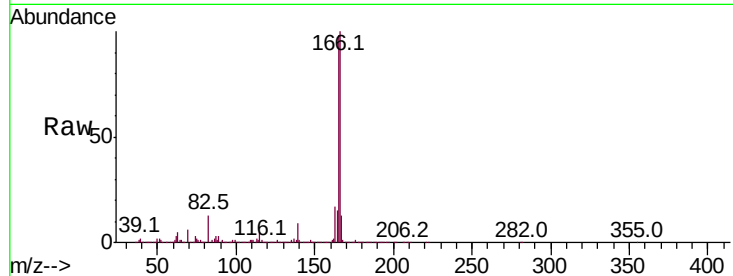
#59
Fluorene
Concen: 115.911 ng/ul
RT: 15.20 min Scan# 2094
Delta R.T. 0.01 min
Lab File: BM026102.D
Acq: 23 May 2020 05:29

Instrument :
BNA_M
ClientSampled :
F9B11

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.3	115.9
167	13.4	10.6	16.0

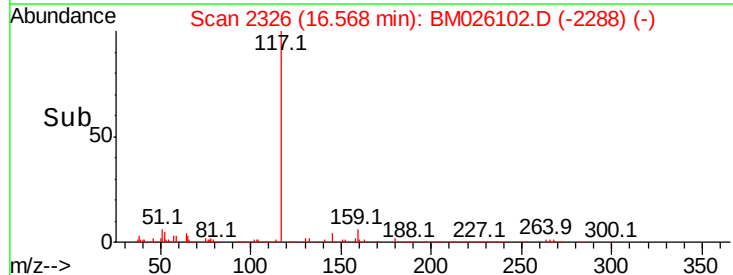
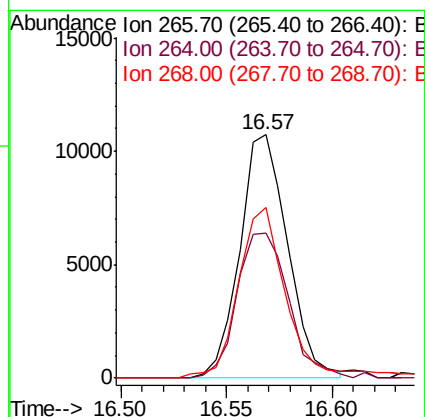
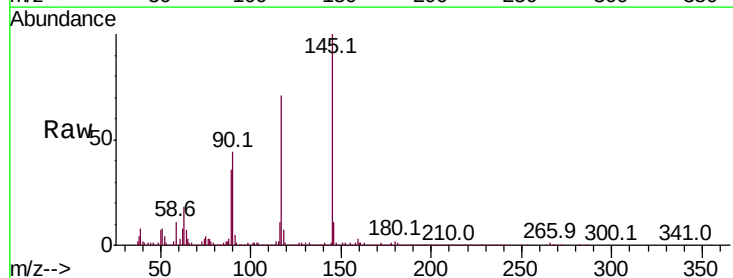
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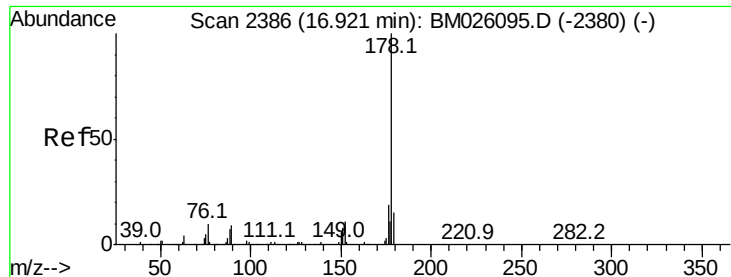
mohammad
5/26/2020 10:12:01 AM



#69
Pentachlorophenol
Concen: 2.299 ng/ul
RT: 16.57 min Scan# 2326
Delta R.T. 0.02 min
Lab File: BM026102.D
Acq: 23 May 2020 05:29

Tgt Ion	Ratio	Lower	Upper
266	100		
264	59.3	49.3	73.9
268	70.1	52.4	78.6





#70

Phenanthrene

Concen: 150.798 ng/ul

RT: 16.94 min Scan# 2390

Delta R.T. 0.02 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Instrument :

BNA_M

ClientSampleId :

F9B11

Tot Ion:178 Resp: 9689623

Ion Ratio Lower Upper

178 100

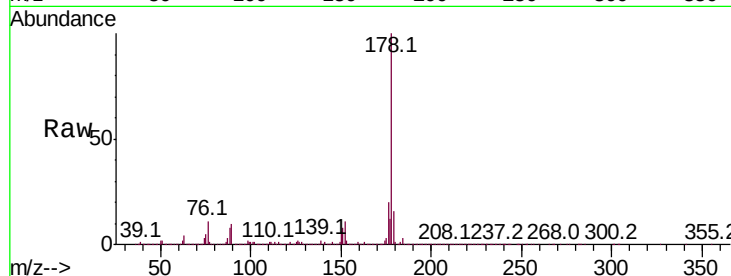
179 16.0 11.9 17.9

176 19.8 14.9 22.3

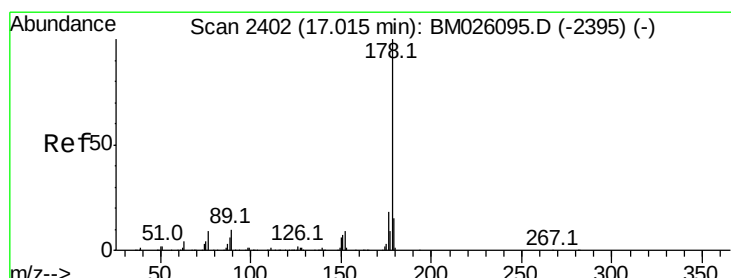
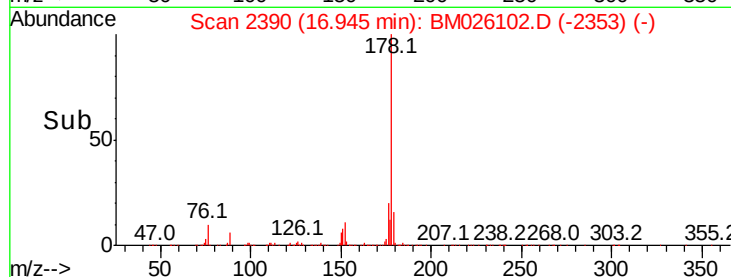
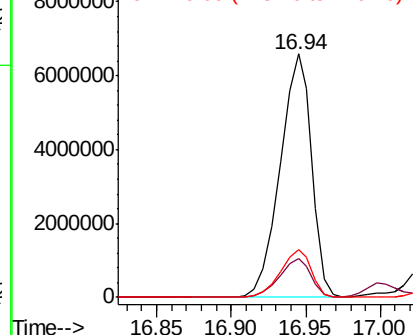
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 16.636 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

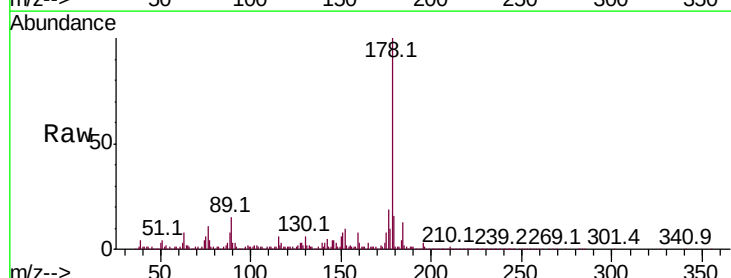
Tgt Ion:178 Resp: 1072487

Ion Ratio Lower Upper

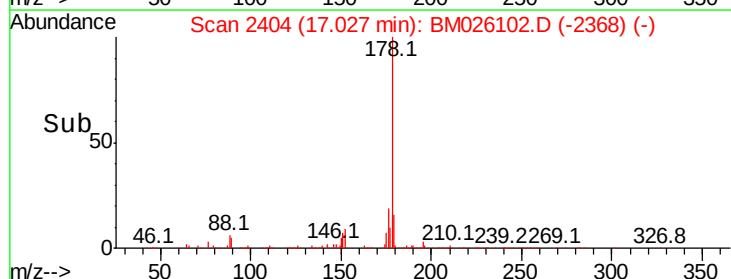
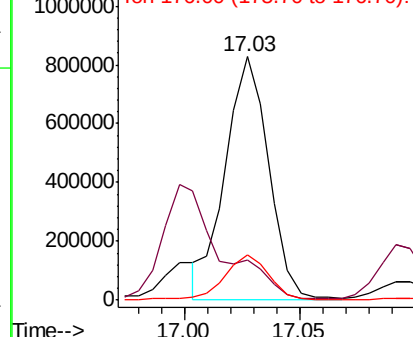
178 100

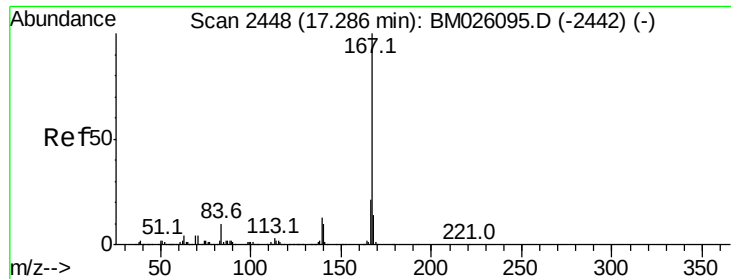
179 16.4 12.2 18.4

176 18.8 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: 329.338 ng/ul

RT: 17.33 min Scan# 2456

Delta R.T. 0.04 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

Instrument :

BNA_M

ClientSampleId :

F9B11

Tot Ion:167 Resp:17564364

Ion Ratio Lower Upper

167 100

166 26.3 16.6 25.0#

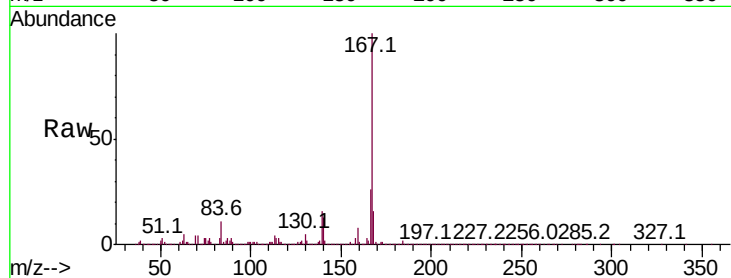
139 16.5 10.8 16.2#

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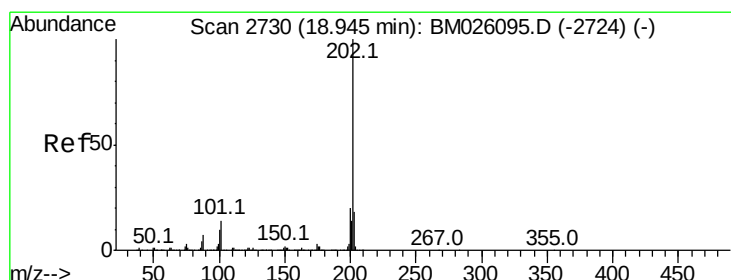
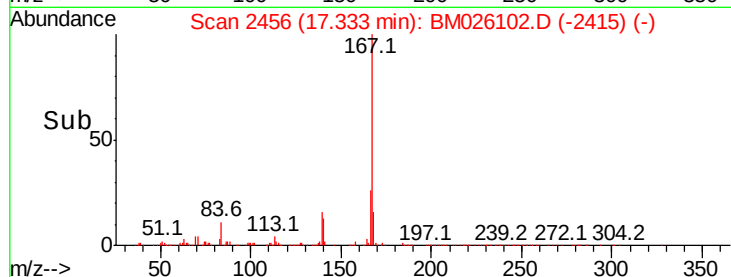
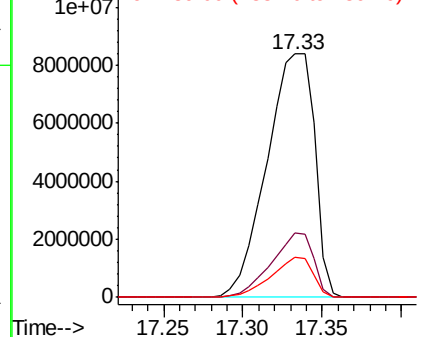
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 45.489 ng/ul

RT: 18.96 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BM026102.D

Acq: 23 May 2020 05:29

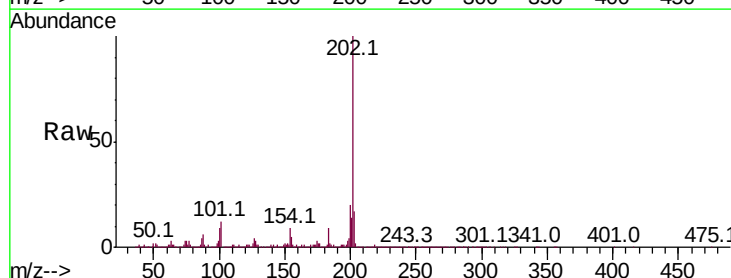
Tgt Ion:202 Resp: 3066004

Ion Ratio Lower Upper

202 100

101 12.3 9.5 14.3

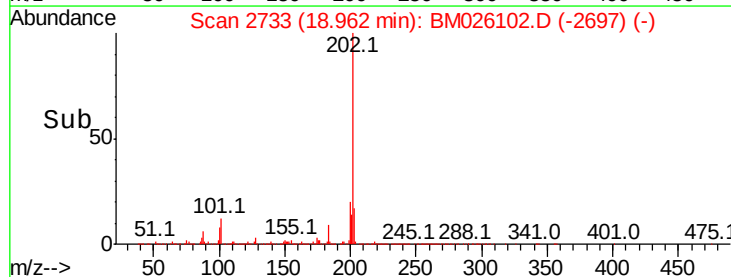
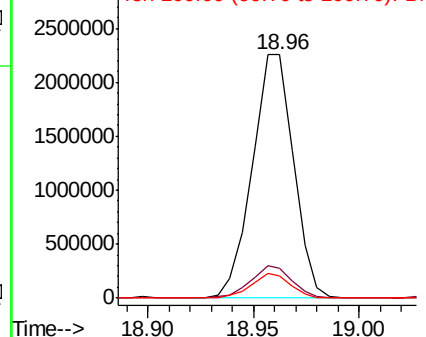
100 9.2 7.6 11.4

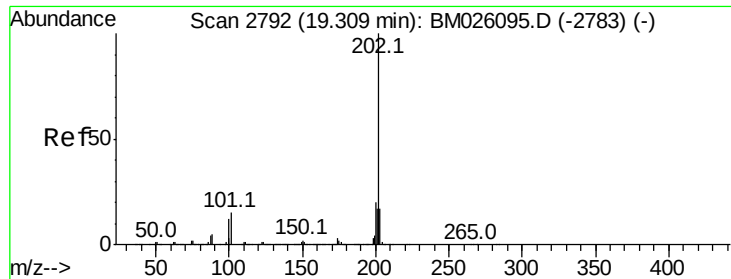


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





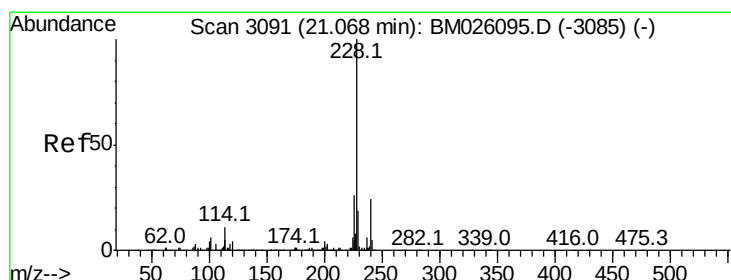
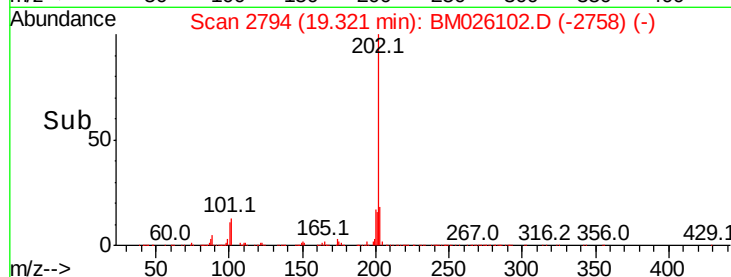
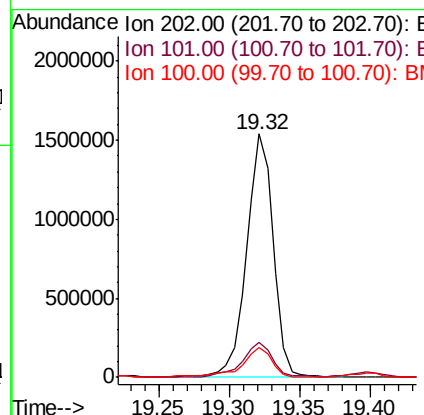
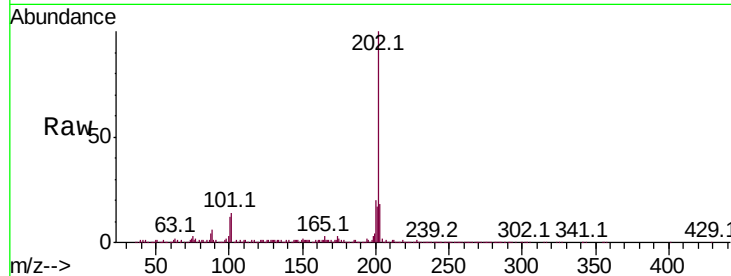
#80
Pvrene
Concen: 28.176 ng/ul
RT: 19.32 min Scan# 2794
Delta R.T. 0.01 min
Lab File: BM026102.D
Acq: 23 May 2020 05:29

Instrument :
BNA_M
ClientSampleId :
F9B11

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	12.2	18.4
100	12.1	10.2	15.4

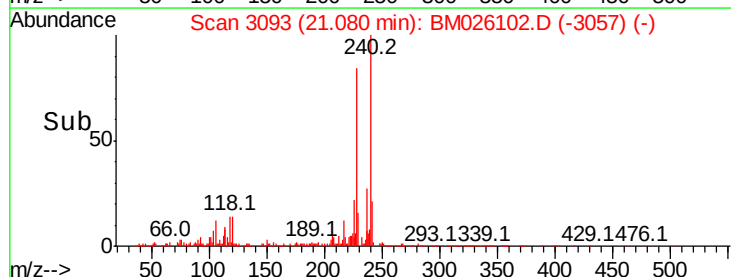
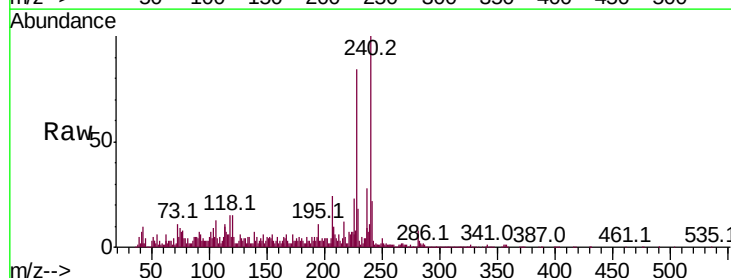
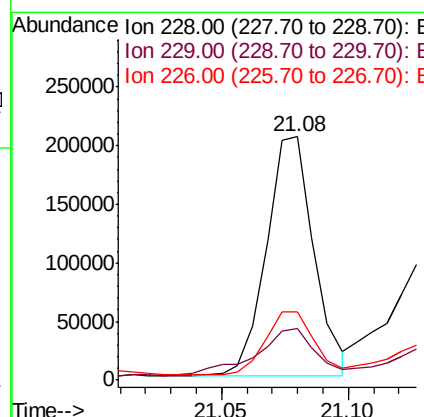
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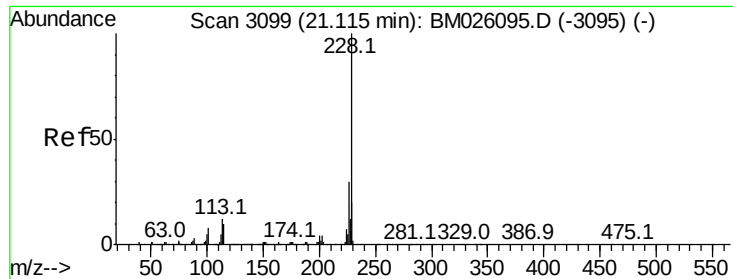
mohammad
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#83
Benzo(a)anthracene
Concen: 3.798 ng/ul
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BM026102.D
Acq: 23 May 2020 05:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.5	23.3
226	27.8	21.2	31.8





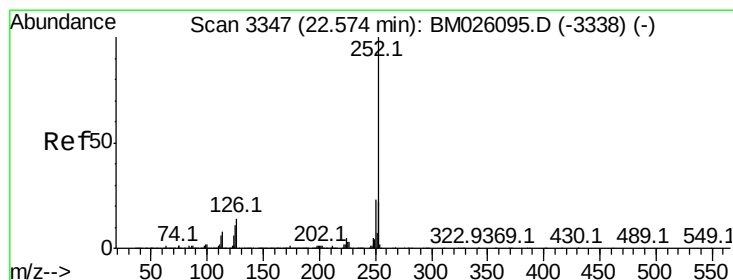
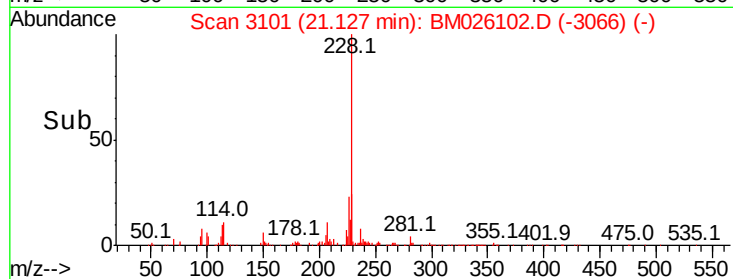
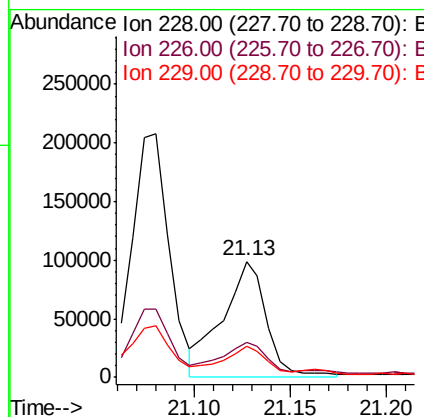
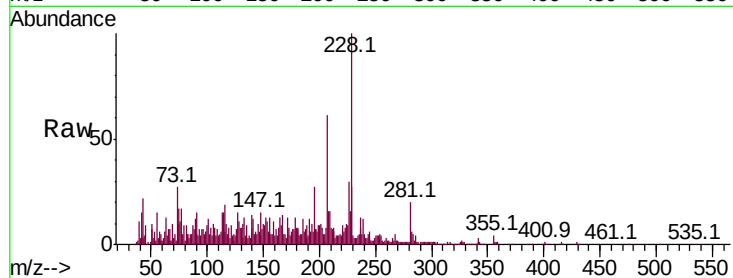
#85
 Chrysene
 Concen: 2.281 ng/ul m
 RT: 21.13 min Scan# 3101
 Delta R.T. 0.01 min
 Lab File: BM026102.D
 Acq: 23 May 2020 05:29

Instrument :
 BNA_M
 ClientSampleID :
 F9B11

Tot Ion:	228	Resp:	159639
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.0	34.6
229	26.9	15.5	23.3#

Manual Integrations
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#88
 Benzo(b)fluoranthene
 Concen: 1.699 ng/ul
 RT: 22.59 min Scan# 3349
 Delta R.T. 0.01 min
 Lab File: BM026102.D
 Acq: 23 May 2020 05:29

Tgt Ion:	252	Resp:	123885
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.1	25.7#
125	13.3	8.9	13.3#

