

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
 Data File : BM024940.D
 Acq On : 18 Feb 2020 21:00
 Operator : CG/JU
 Sample : L1486-15
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBCW6

Manual Integrations
 APPROVED

mohammad
 2/19/2020 8:10:07 AM

Quant Time: Feb 19 05:34:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 19 03:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	300128	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	1108619	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.04	164	749843	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1594301	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	1629872	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	1725931	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	42351	6.79	ng/uL	0.00
5) Phenol-d5	6.59	99	152744	7.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	425509	37.79	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	487711	27.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	276812	16.45	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	289593	36.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	328236	34.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	580567	30.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	66083	3.70	ng/ul	0.02
44) Dimethylphthalate-d6	13.47	166	1823607	32.22	ng/ul	0.00
47) Acenaphthylene-d8	13.72	160	2235053	33.81	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	57503	6.25	ng/ul	0.00
58) Fluorene-d10	15.05	176	1678660	33.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	262049	25.22	ng/ul	0.00
71) Anthracene-d10	16.89	188	2543201	34.94	ng/ul	0.00
79) Pyrene-d10	19.20	212	2849200	34.95	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	3137231	36.19	ng/ul	0.00

Target Compounds

					Ovalue	
11) 2-Methylphenol	7.84	108	73409	4.507	ng/ul	98
16) 4-Methylphenol	8.16	108	68180	3.877	ng/ul	95
24) 2,4-Dimethylphenol	9.36	107	423239m	22.221	ng/ul	
28) Naphthalene	10.19	128	52864635m	933.283	ng/ul	
34) 2-Methylnaphthalene	11.83	142	20504562m	491.422	ng/ul	
41) 1,1'-Biphenyl	12.86	154	7230069	130.613	ng/ul#	97
48) Acenaphthylene	13.75	152	320222	4.677	ng/ul#	87
50) Acenaphthene	14.12	153	22162434m	479.299	ng/ul	
54) Dibenzofuran	14.45	168	18988653m	275.492	ng/ul	
59) Fluorene	15.11	166	12393507	218.172	ng/ul	98
70) Phenanthrene	16.84	178	18090047m	208.102	ng/ul	
72) Anthracene	16.93	178	729969	8.280	ng/ul	98
75) Carbazole	17.21	167	7352765	100.110	ng/ul	99
77) Fluoranthene	18.86	202	3753172	35.170	ng/ul#	95
80) Pyrene	19.23	202	2315807	21.465	ng/ul#	94
83) Benzo(a)anthracene	20.99	228	157036	1.430	ng/ul	98
85) Chrysene	21.04	228	144212	1.334	ng/ul	98

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

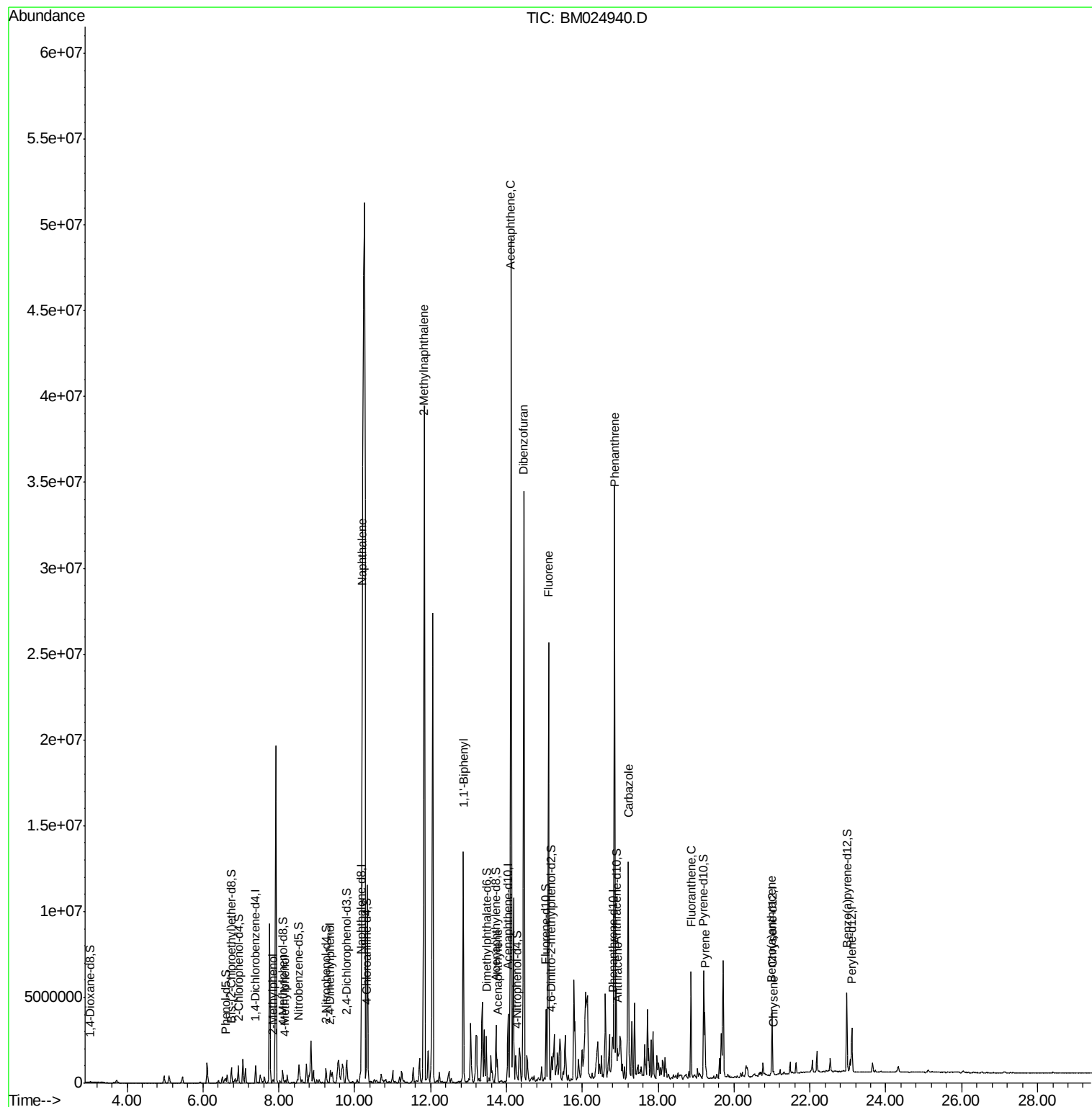
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024940.D
Acq On : 18 Feb 2020 21:00
Operator : CG/JU
Sample : L1486-15
Misc :
ALS Vial : 37 Sample Multiplier: 1

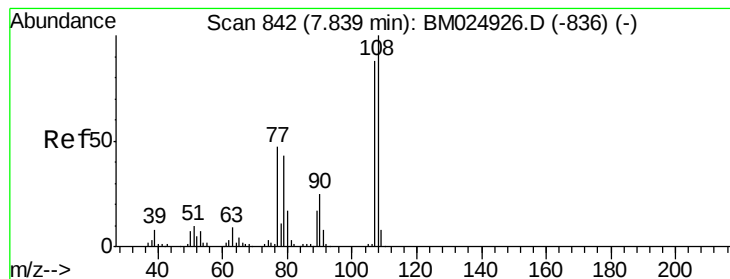
Instrument :
BNA_M
ClientSampleId :
DBCW6

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 19 03:36:08 2020
Response via : Initial Calibration





#11

2-Methylphenol

Concen: 4.507 ng/ul

RT: 7.84 min Scan# 842

Delta R.T. -0.01 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Instrument :

BNA_M

ClientSampled :

DBCW6

Tot Ion:108 Resp: 73409

Ion Ratio Lower Upper

108 100

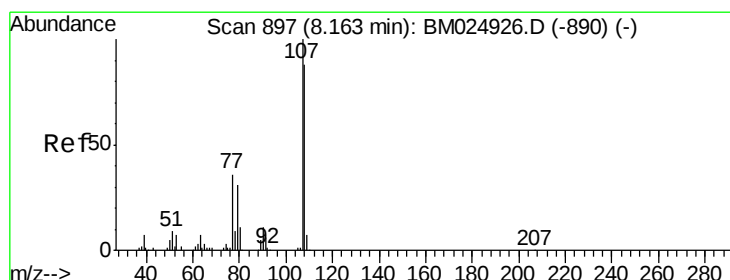
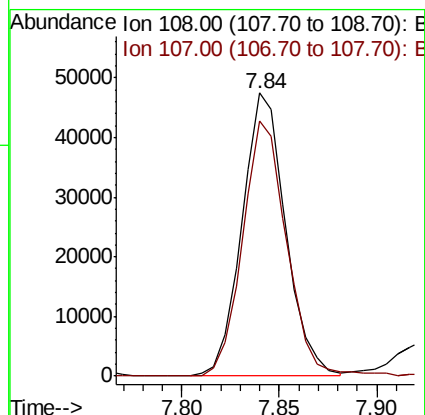
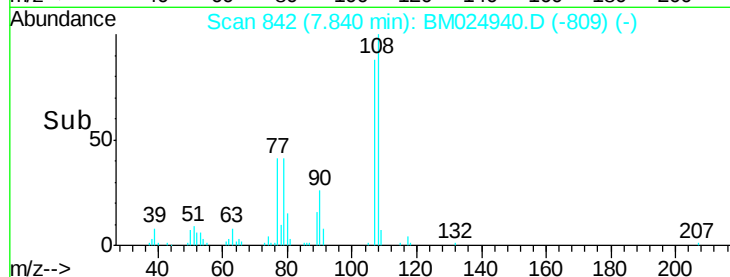
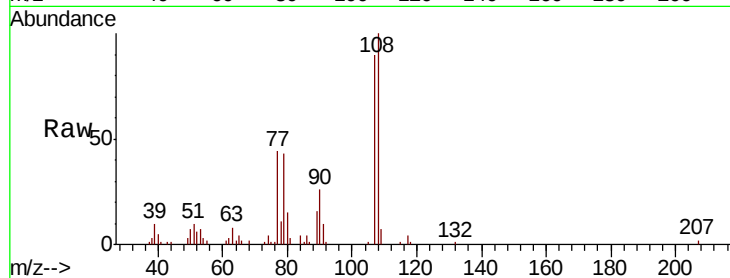
107 90.2 70.7 106.1

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#16

4-Methylphenol

Concen: 3.877 ng/ul

RT: 8.16 min Scan# 897

Delta R.T. -0.01 min

Lab File: BM024940.D

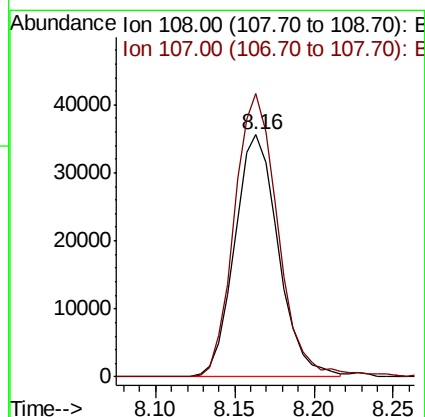
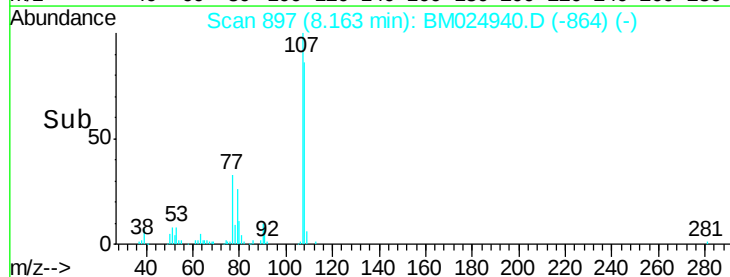
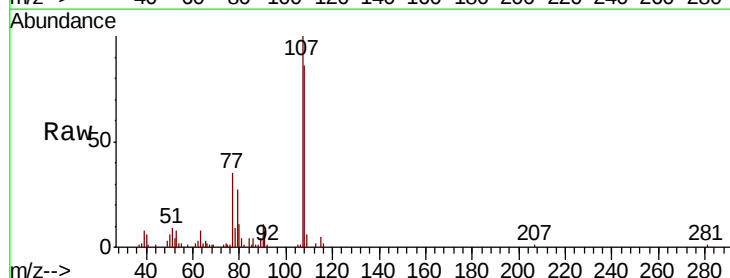
Acq: 18 Feb 2020 21:00

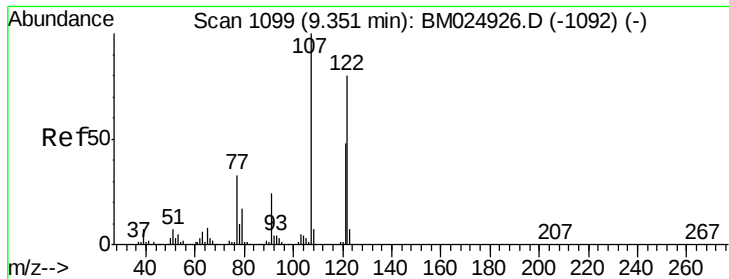
Tgt Ion:108 Resp: 68180

Ion Ratio Lower Upper

108 100

107 116.8 89.4 134.0





#24

2,4-Dimethylphenol

Concen: 22.221 ng/ul m

RT: 9.36 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Instrument :

BNA_M

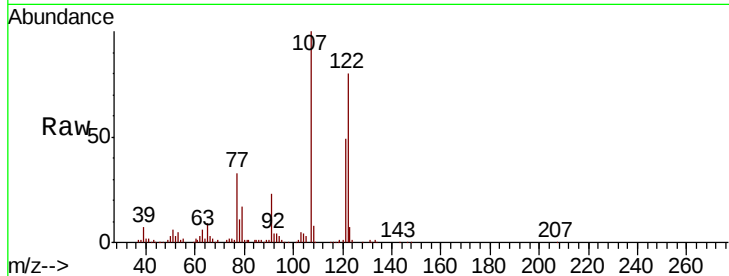
ClientSampleId :

DBCW6

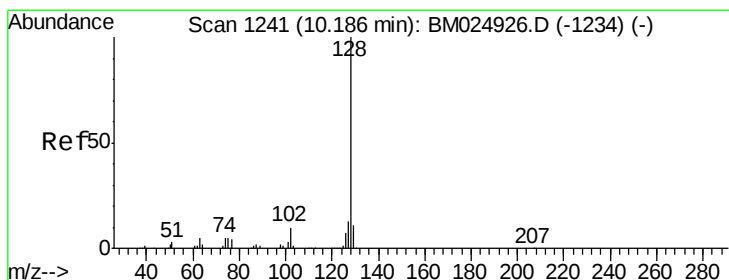
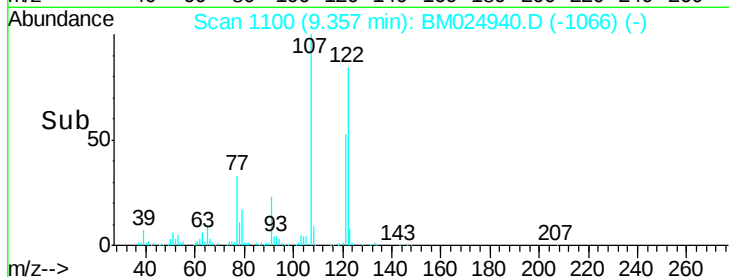
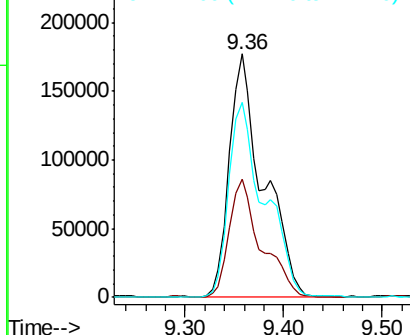
Tot Ion:	107	Resp:	423239
Ion Ratio	Lower	Upper	
107	100		
121	48.8	41.9	62.9
122	80.1	70.2	105.4

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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: 933.283 ng/ul m

RT: 10.19 min Scan# 1242

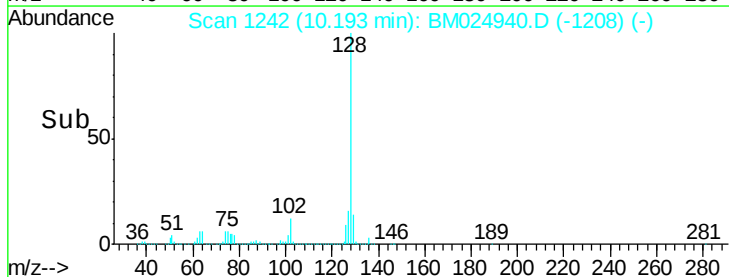
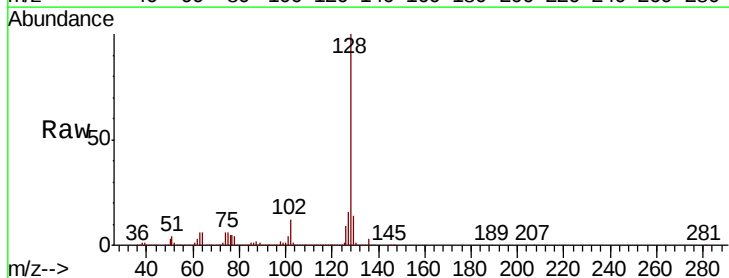
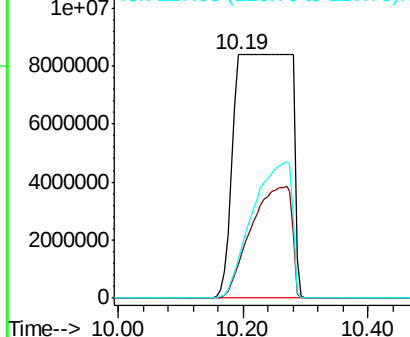
Delta R.T. 0.00 min

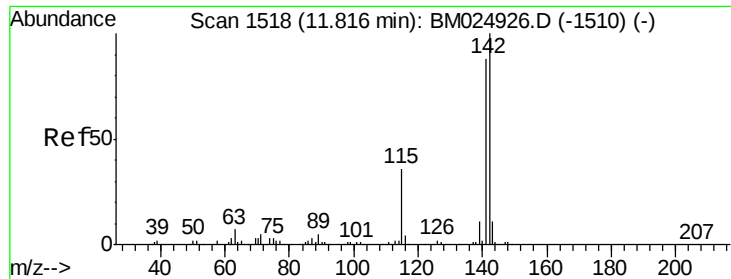
Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Tgt Ion:	128	Resp:	52864635
Ion Ratio	Lower	Upper	
128	100		
129	14.0	9.1	13.7#
127	15.9	10.4	15.6#

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





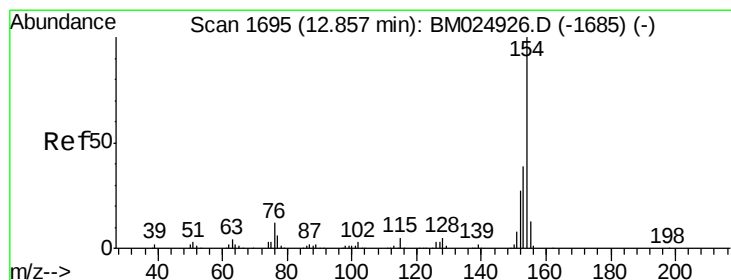
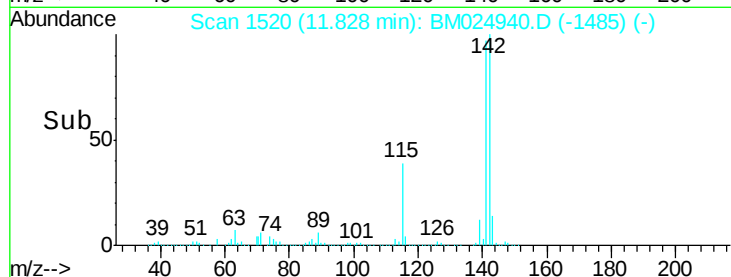
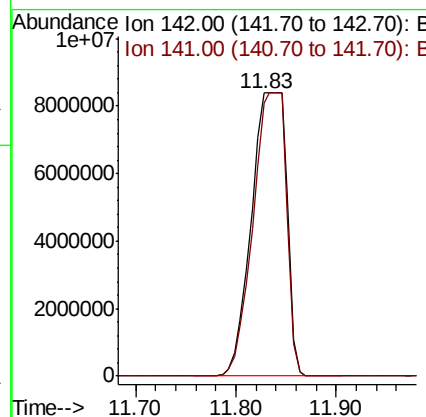
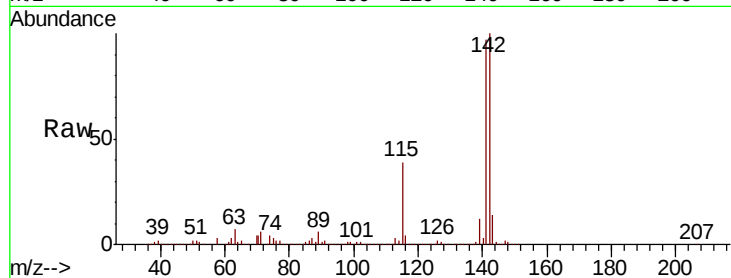
#34
2-Methylnaphthalene
Concen: 491.422 ng/ul m
RT: 11.83 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BM024940.D
Acq: 18 Feb 2020 21:00

Instrument :
BNA_M
ClientSampleId :
DBCW6

Tot Ion:142 Resp:20504562
Ion Ratio Lower Upper
142 100
141 96.7 70.5 105.7

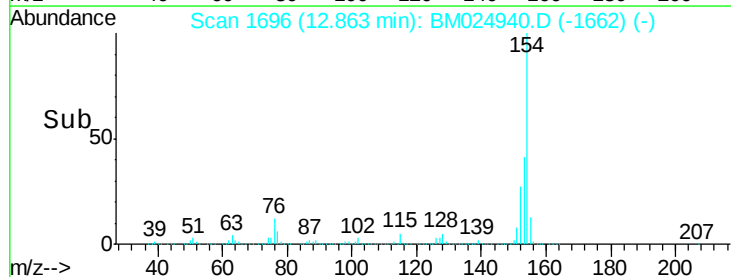
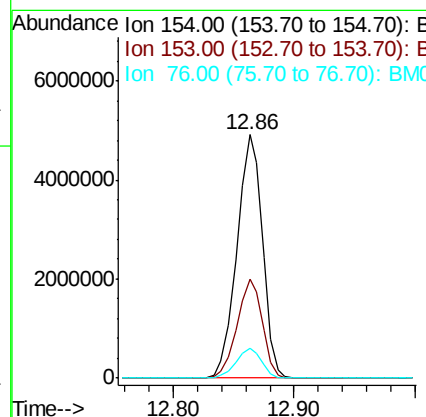
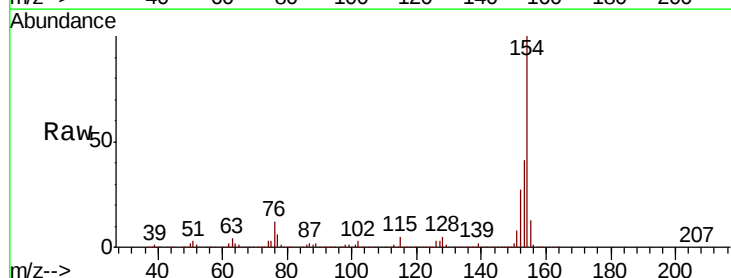
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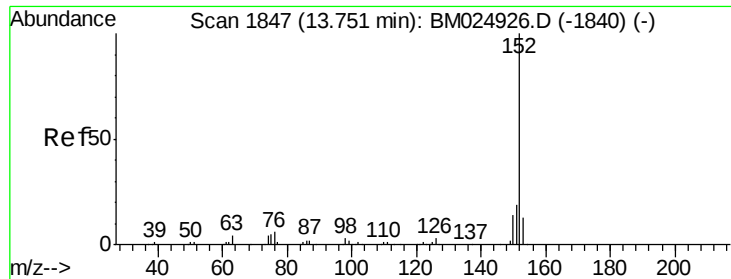
mohammad
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#41
1,1'-Biphenyl
Concen: 130.613 ng/ul
RT: 12.86 min Scan# 1696
Delta R.T. 0.00 min
Lab File: BM024940.D
Acq: 18 Feb 2020 21:00

Tgt Ion:154 Resp: 7230069
Ion Ratio Lower Upper
154 100
153 40.6 31.4 47.2
76 12.0 7.5 11.3#





#48

Acenaphthylene

Concen: 4.677 ng/ul

RT: 13.75 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Instrument :

BNA_M

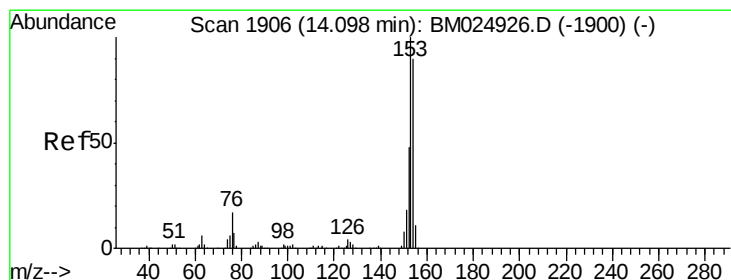
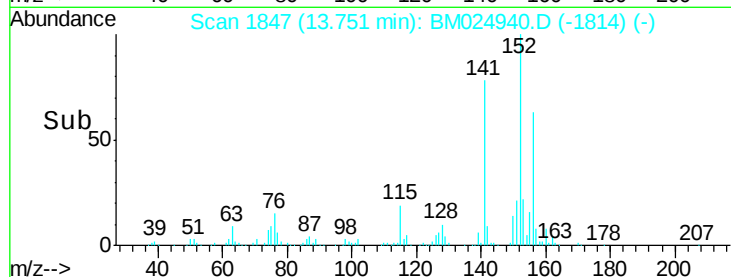
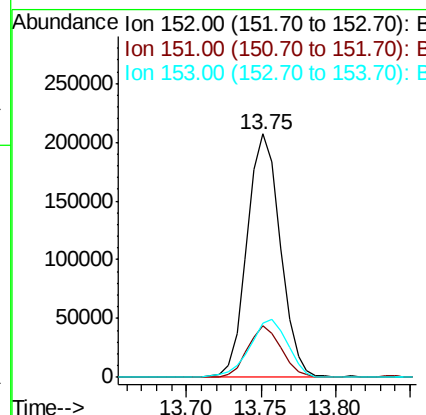
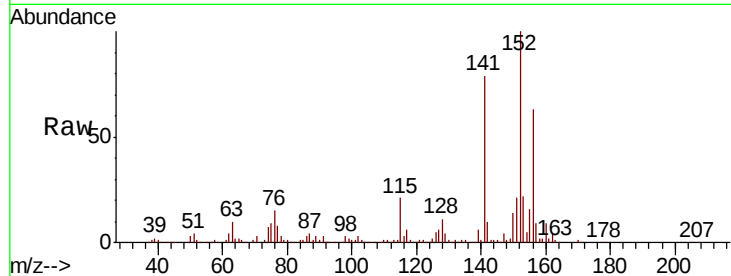
ClientSampleId :

DBCW6

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.1	22.7
153	22.0	10.1	15.1#

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#50

Acenaphthene

Concen: 479.299 ng/ul m

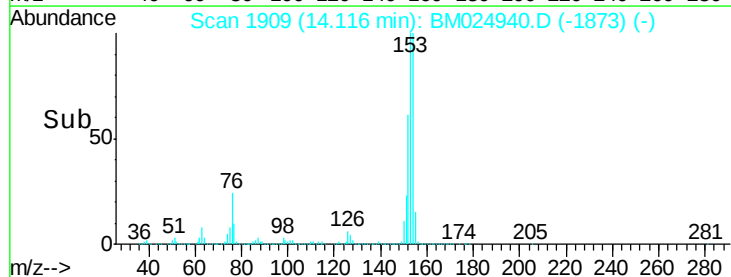
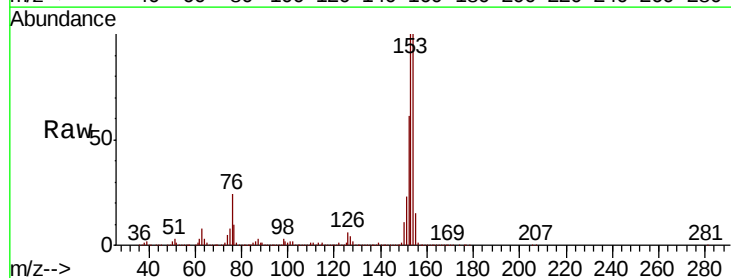
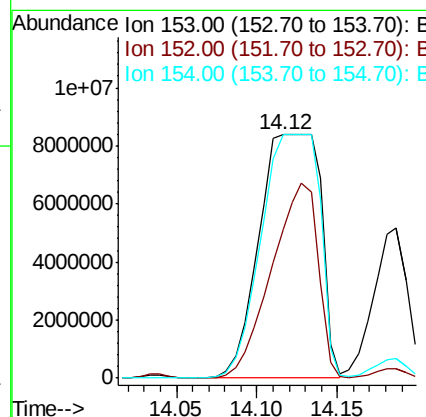
RT: 14.12 min Scan# 1909

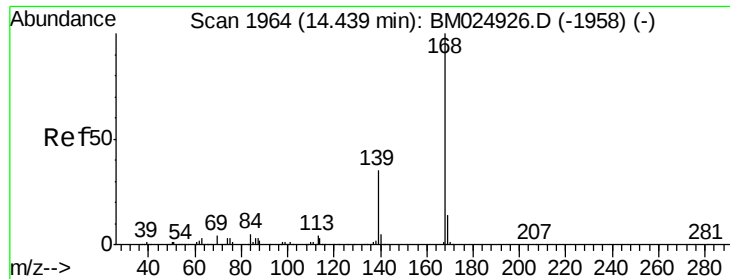
Delta R.T. 0.01 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Tgt Ion	Ratio	Lower	Upper
153	100		
152	61.3	37.3	55.9#
154	100.0	74.1	111.1





#54

Dibenzenofuran

Concen: 275.492 ng/ul m

RT: 14.45 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Instrument :

BNA_M

ClientSampleId :

DBCW6

Tot Ion:168 Resp:18988653

Ion Ratio Lower Upper

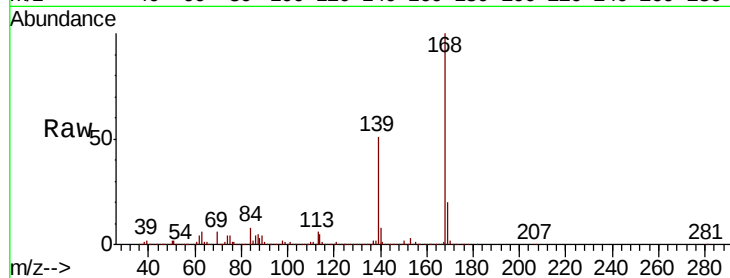
168 100

139 51.1 27.8 41.8#

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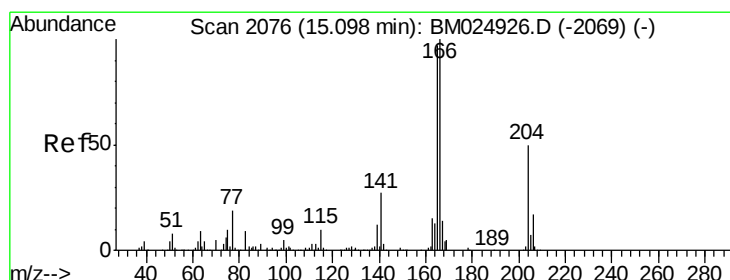
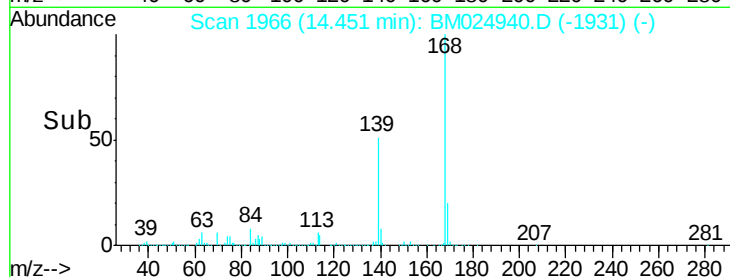
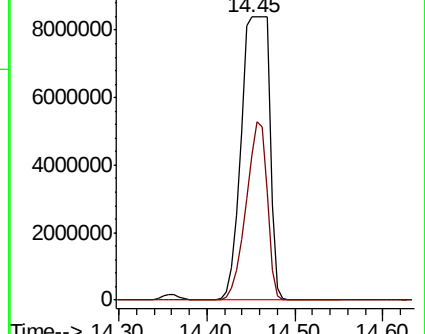
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 218.172 ng/ul

RT: 15.11 min Scan# 2078

Delta R.T. 0.01 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

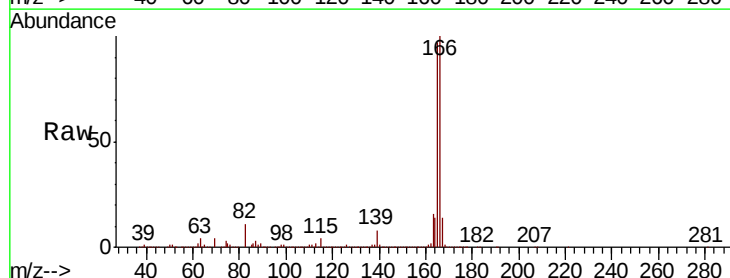
Tgt Ion:166 Resp:12393507

Ion Ratio Lower Upper

166 100

165 97.1 75.8 113.8

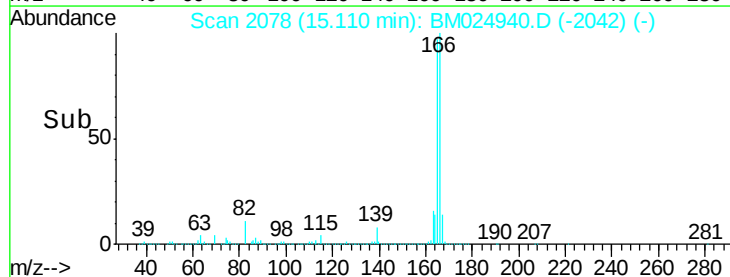
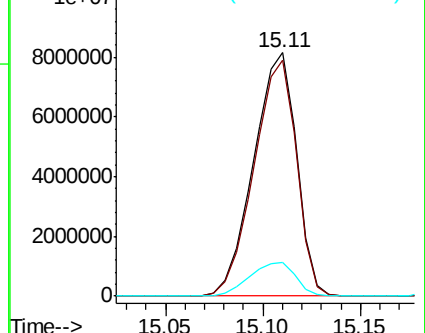
167 13.9 10.6 16.0

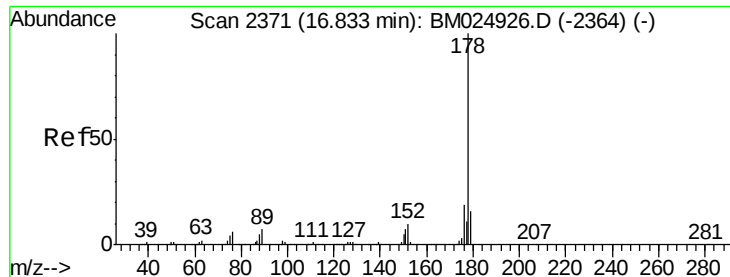


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 208.102 ng/ul m

RT: 16.84 min Scan# 2372

Delta R.T. 0.00 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Instrument :

BNA_M

ClientSampled :

DBCW6

Tot Ion:178 Resp:18090047

Ion Ratio Lower Upper

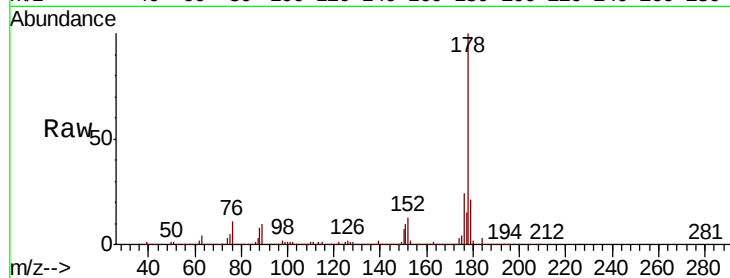
178 100

179 20.7 12.2 18.2#

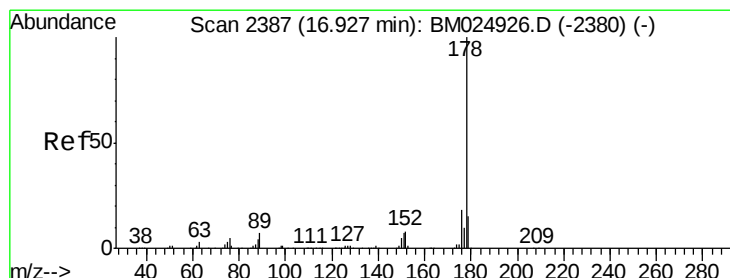
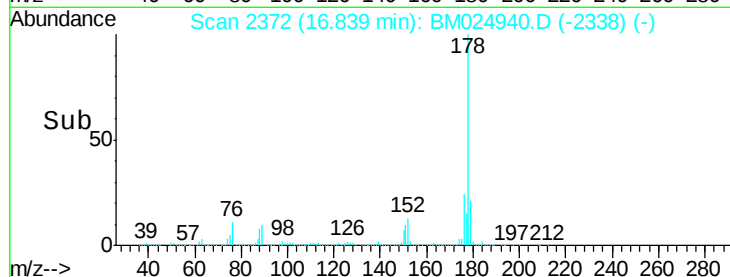
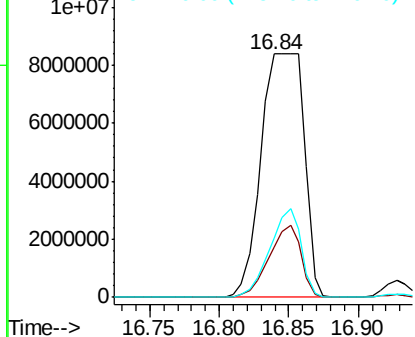
176 24.5 14.5 21.7#

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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: 8.280 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

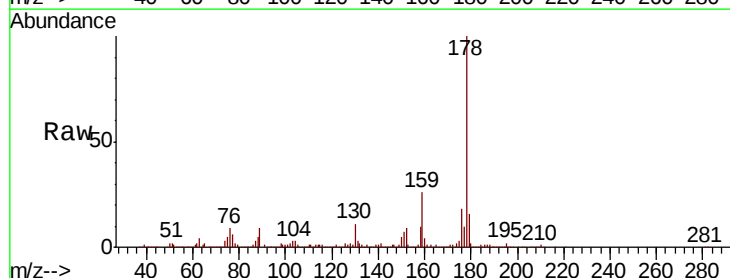
Tgt Ion:178 Resp: 729969

Ion Ratio Lower Upper

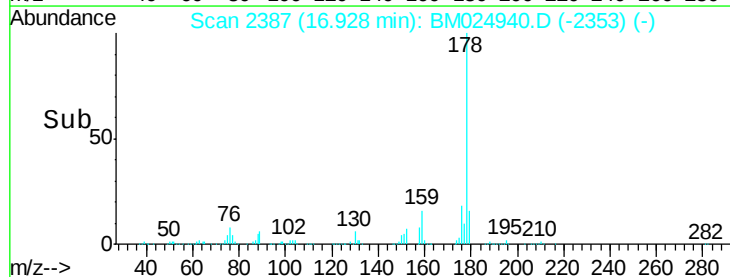
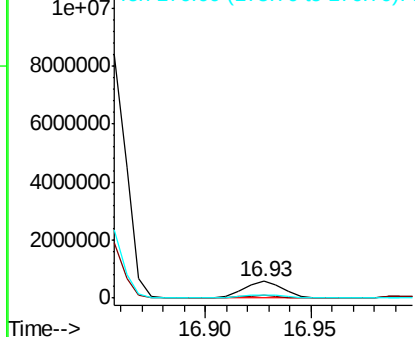
178 100

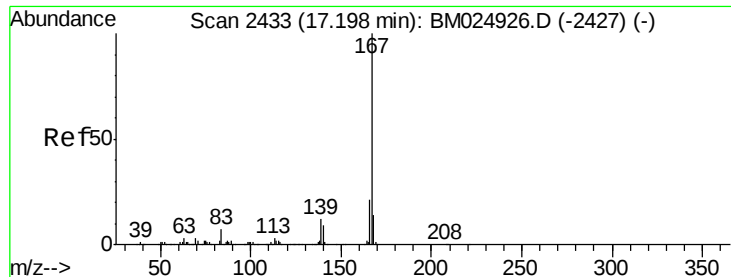
179 16.0 12.3 18.5

176 18.4 14.1 21.1



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





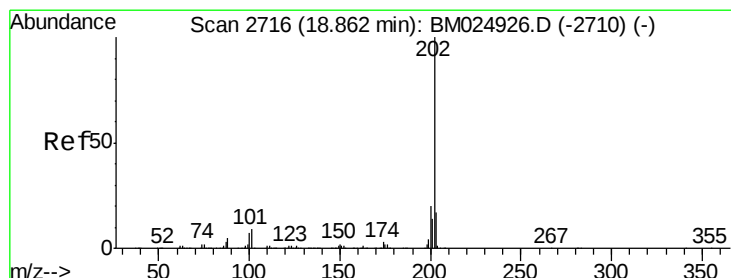
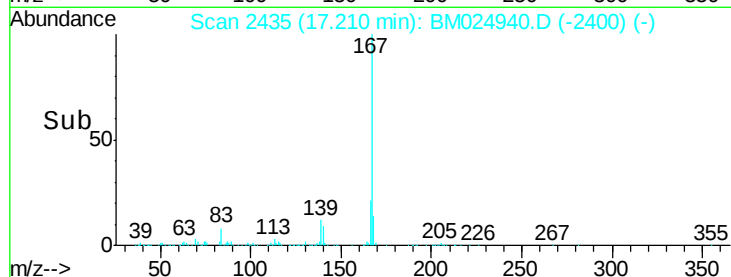
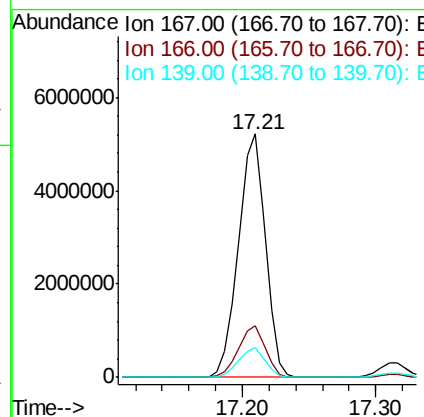
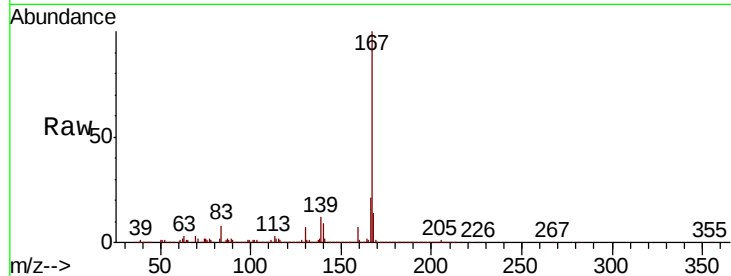
#75
 Carbazole
 Concen: 100.110 ng/ul
 RT: 17.21 min Scan# 2435
 Delta R.T. 0.01 min
 Lab File: BM024940.D
 Acq: 18 Feb 2020 21:00

Instrument :
 BNA_M
 ClientSampleId :
 DBCW6

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.6	24.8
139	12.0	9.3	13.9

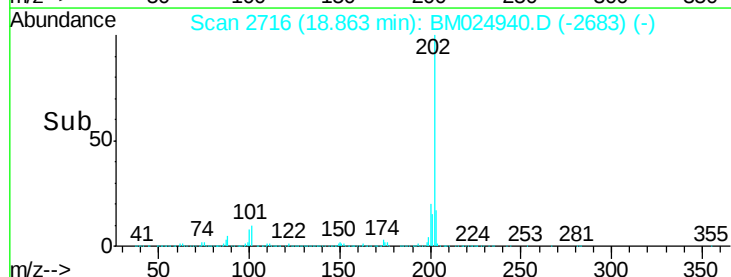
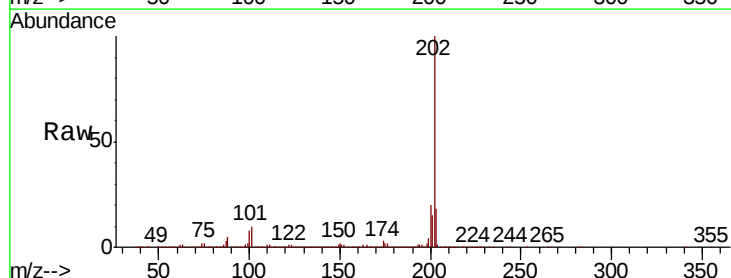
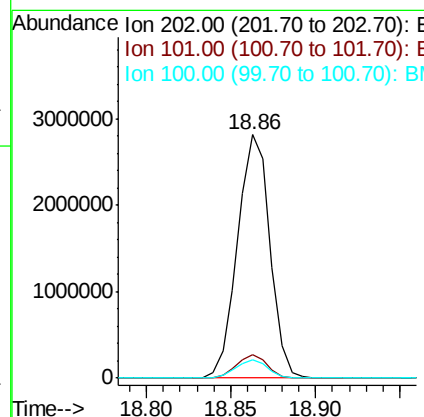
Manual Integrations
 APPROVED

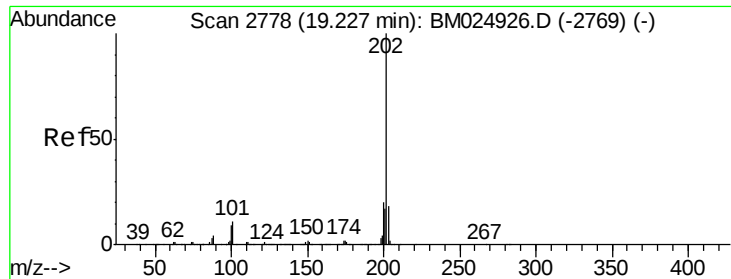
mohammad
 2/19/2020 8:10:07 AM



#77
 Fluoranthene
 Concen: 35.170 ng/ul
 RT: 18.86 min Scan# 2716
 Delta R.T. -0.01 min
 Lab File: BM024940.D
 Acq: 18 Feb 2020 21:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	6.1	9.1#
100	7.6	4.8	7.2#





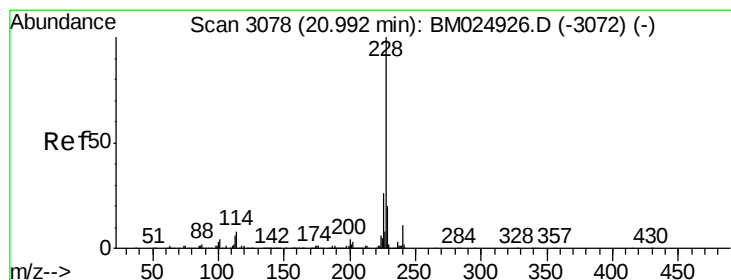
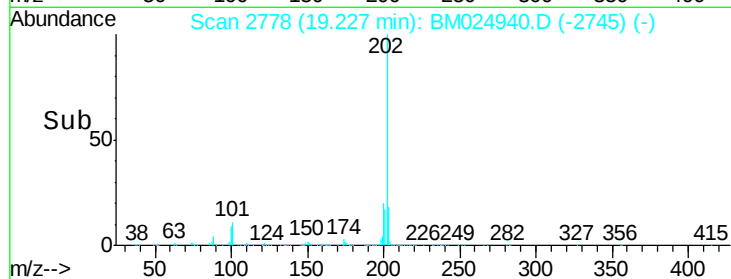
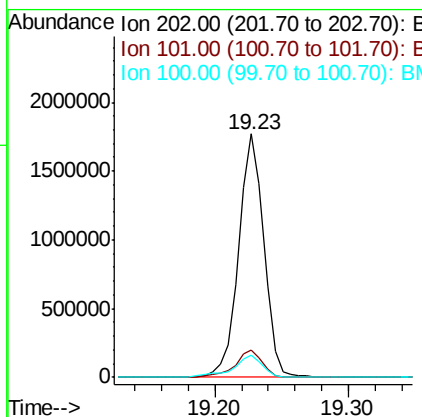
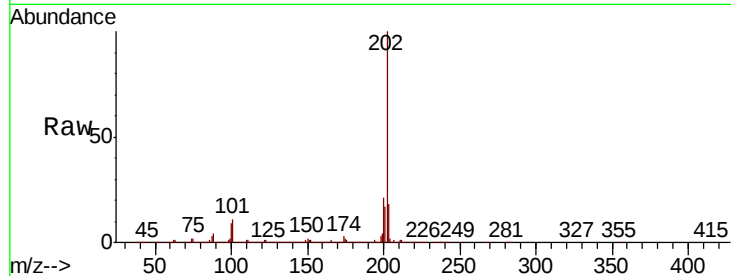
#80
Pvrene
Concen: 21.465 ng/ul
RT: 19.23 min Scan# 2778
Delta R.T. -0.01 min
Lab File: BM024940.D
Acq: 18 Feb 2020 21:00

Instrument :
BNA_M
ClientSampleId :
DBCW6

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	7.0	10.4#
100	9.3	5.8	8.8#

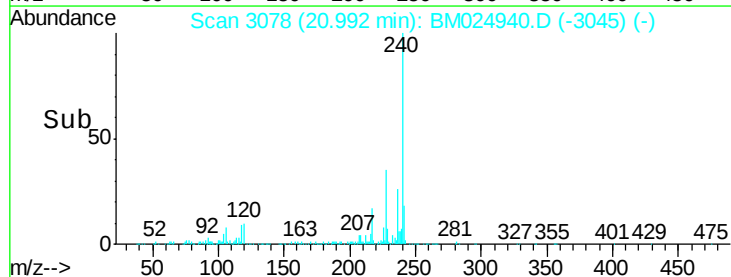
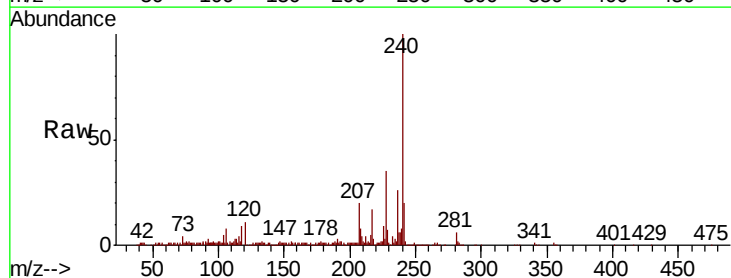
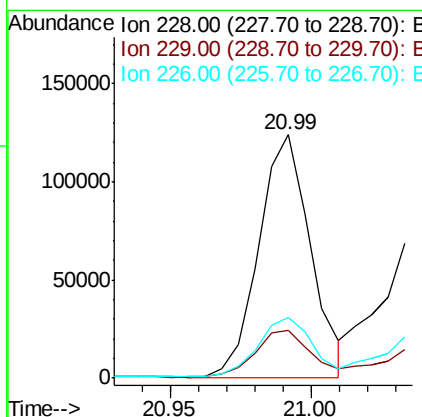
Manual Integrations
APPROVED

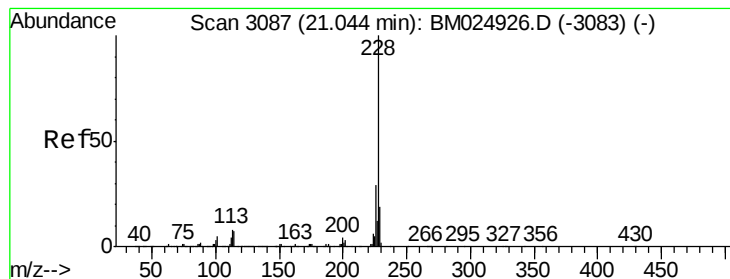
mohammad
2/19/2020 8:10:07 AM



#83
Benzo(a)anthracene
Concen: 1.430 ng/ul
RT: 20.99 min Scan# 3078
Delta R.T. -0.01 min
Lab File: BM024940.D
Acq: 18 Feb 2020 21:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	24.6	20.8	31.2





#85

Chrysene

Concen: 1.334 ng/ul

RT: 21.04 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM024940.D

Acq: 18 Feb 2020 21:00

Instrument :

BNA_M

ClientSampleId :

DBCW6

Tot Ion:	228	Resp:	144212
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.0	34.4
229	18.7	15.8	23.8

Manual Integrations
APPROVED

mohammad
2/19/2020 8:10:07 AM

