

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
 Data File : BM025023.D
 Acq On : 22 Feb 2020 12:56
 Operator : CG/JU
 Sample : L1507-20
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBD18

Manual Integrations
 APPROVED

mohammad
 2/24/2020 3:39:05 PM

Quant Time: Feb 24 10:49:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 24 05:59:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	244006	20.00	ng/ul	0.00
18) Naphthalene-d8	10.09	136	1039901	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	718806	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.79	188	1474957	20.00	ng/ul	0.04
78) Chrysene-d12	20.99	240	1731387m	20.00	ng/ul	0.02
86) Perylene-d12	23.05	264	1930067	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	1891	0.37	ng/uL	0.02
5) Phenol-d5	6.55	99	30355	1.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.69	67	20480	2.24	ng/ul	0.00
9) 2-Chlorophenol-d4	6.87	132	26338	1.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.06	113	26164	1.91	ng/ul	0.00
19) Nitrobenzene-d5	8.48	128	17979	2.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.19	143	14472	1.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.74	165	33687	1.88	ng/ul	0.01
29) 4-Chloroaniline-d4	10.25	131	16311	0.97	ng/ul	0.02
44) Dimethylphthalate-d6	13.44	166	120266	2.22	ng/ul	0.02
47) Acenaphthylene-d8	13.68	160	142746	2.25	ng/ul	0.00
52) 4-Nitrophenol-d4	14.23	143	36605m	4.15	ng/ul	0.00
58) Fluorene-d10	15.01	176	149217	3.11	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.22	200	14378m	1.50	ng/ul	0.08
71) Anthracene-d10	16.91	188	177896	2.64	ng/ul	0.06
79) Pyrene-d10	19.19	212	217824	2.52	ng/ul	0.03
90) Benzo(a)pyrene-d12	22.92	264	247369	2.55	ng/ul	0.01

Target Compounds

					Ovalue	
14) Acetophenone	8.16	105	33955	1.575	ng/ul	95
28) Naphthalene	10.14	128	129822	2.443	ng/ul#	96
34) 2-Methylnaphthalene	11.78	142	15022205	383.821	ng/ul	96
41) 1,1'-Biphenyl	12.82	154	592477	11.165	ng/ul#	97
48) Acenaphthylene	13.71	152	2486696	37.887	ng/ul#	94
50) Acenaphthene	14.07	153	36769145m	829.529	ng/ul	
54) Dibenzofuran	14.41	168	31617746m	478.524	ng/ul	
59) Fluorene	15.07	166	30721426m	564.164	ng/ul	
70) Phenanthrene	16.80	178	57022985m	709.050	ng/ul	
72) Anthracene	16.93	178	19795355m	242.705	ng/ul	
75) Carbazole	17.18	167	9600223	141.287	ng/ul	98
77) Fluoranthene	18.83	202	49107394m	497.412	ng/ul	
80) Pyrene	19.20	202	40663598m	354.814	ng/ul	
83) Benzo(a)anthracene	20.96	228	18850067m	161.629	ng/ul	
84) Bis(2-ethylhexyl)phthalate	20.93	149	272325	4.013	ng/ul	98
85) Chrysene	21.02	228	17456916m	152.039	ng/ul	
88) Benzo(b)fluoranthene	22.46	252	11340291	92.401	ng/ul#	97
89) Benzo(k)fluoranthene	22.49	252	3054807m	25.860	ng/ul	
91) Benzo(a)pyrene	22.96	252	4269685	38.804	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.06	276	1470946	10.738	ng/ul	99
93) Dibenzo(a,h)anthracene	25.06	278	452672	3.878	ng/ul#	94
94) Benzo(a,h,i)perylene	25.67	276	1004635	8.818	ng/ul	99

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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

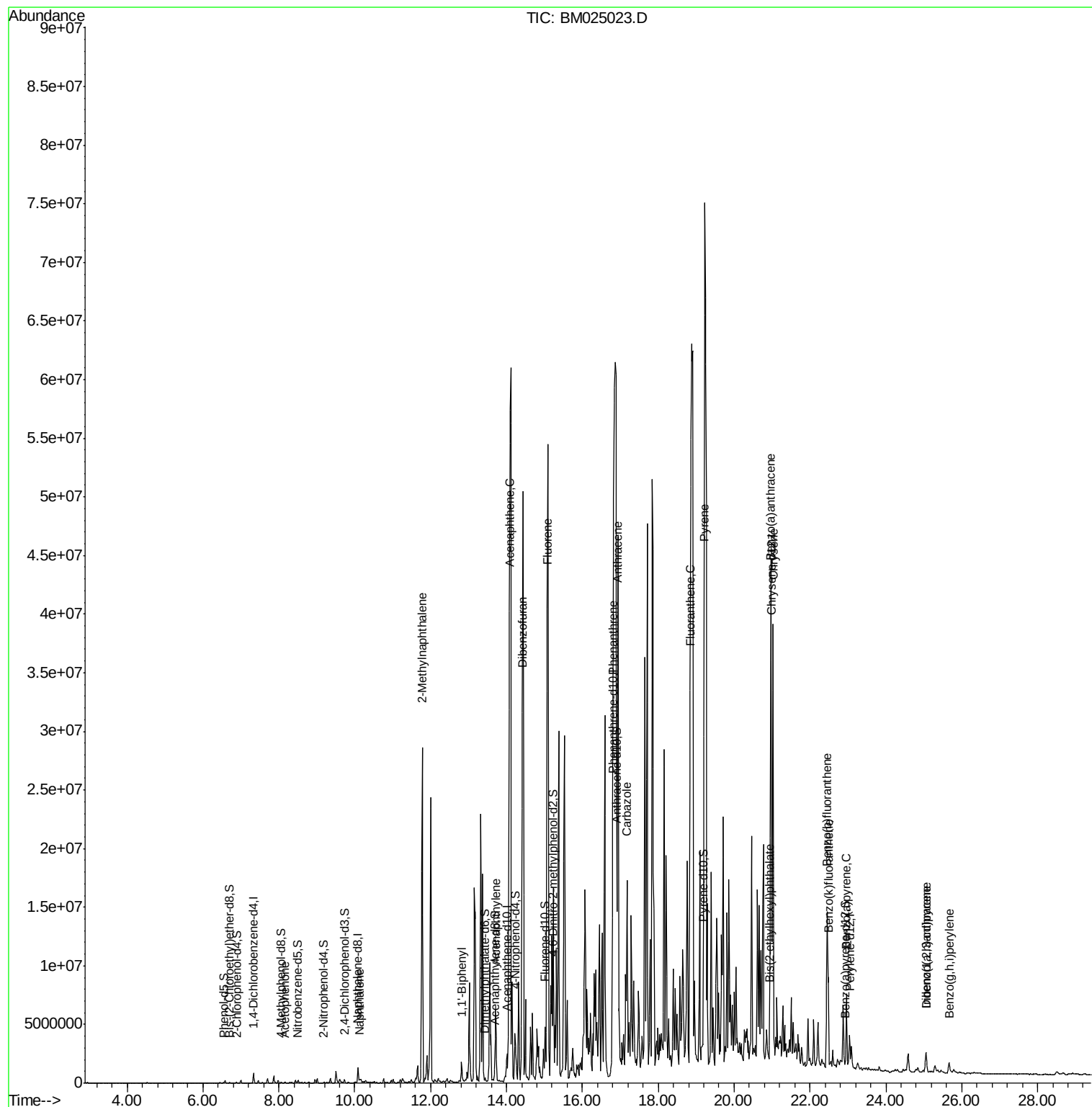
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
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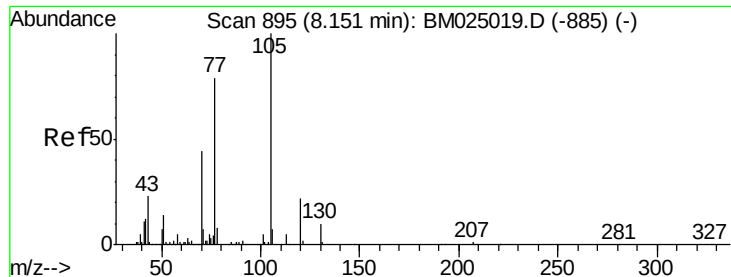
Instrument :
BNA_M
ClientSampled :
DBD18

Manual Integrations
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#14

Acetophenone

Concen: 1.575 ng/ul

RT: 8.16 min Scan# 896

Delta R.T. 0.01 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

Instrument :

BNA_M

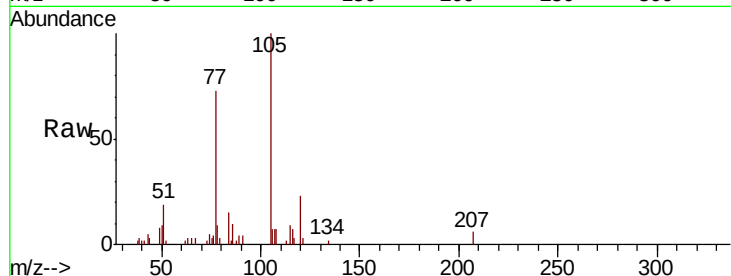
ClientSampleId :

DBD18

Tot Ion:	105	Resp:	33955
Ion Ratio	Lower	Upper	
105	100		
77	73.1	61.6	92.4
51	18.6	16.7	25.1

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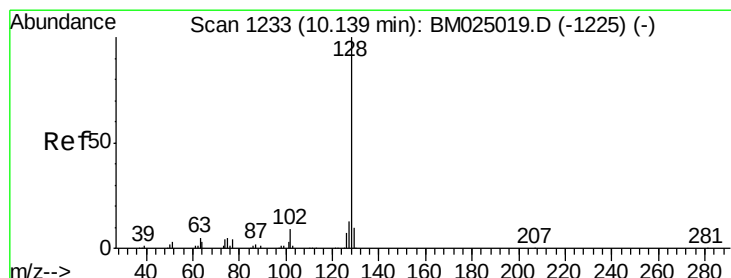
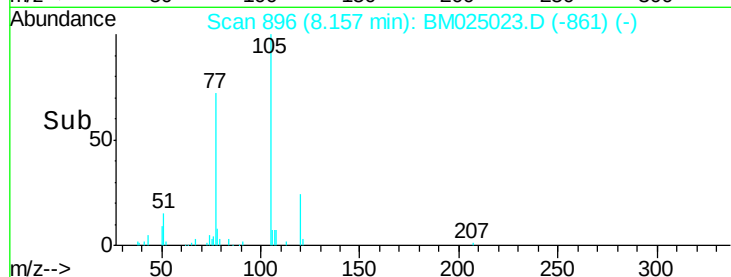
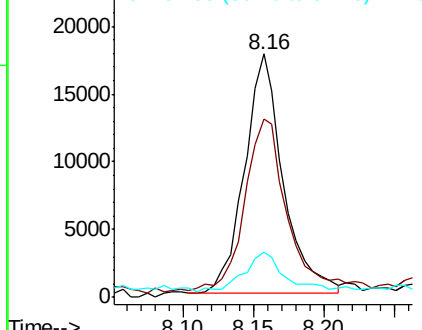


Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#28

Naphthalene

Concen: 2.443 ng/ul

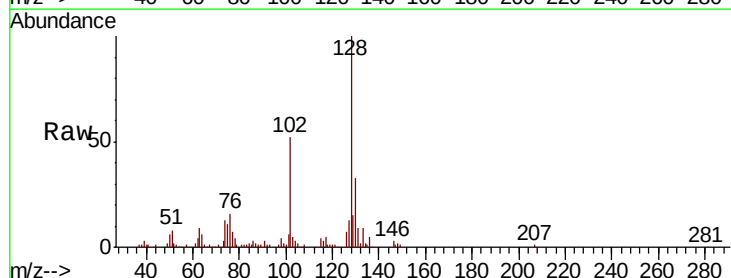
RT: 10.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

Tgt Ion:	128	Resp:	129822
Ion Ratio	Lower	Upper	
128	100		
129	14.8	9.1	13.7#
127	13.2	10.4	15.6

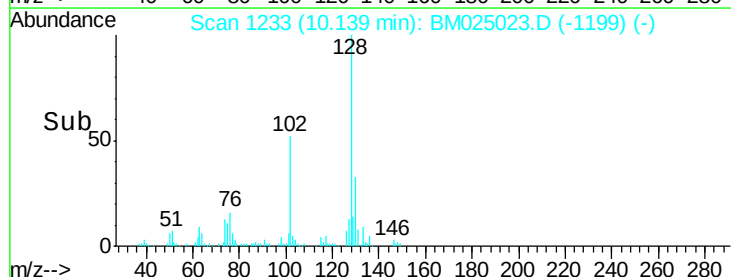
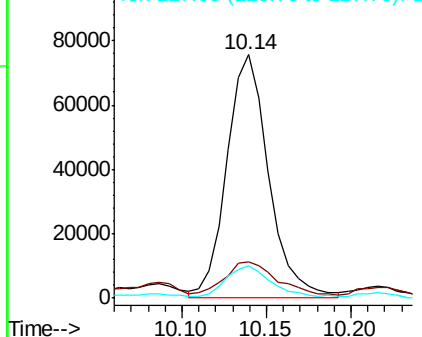


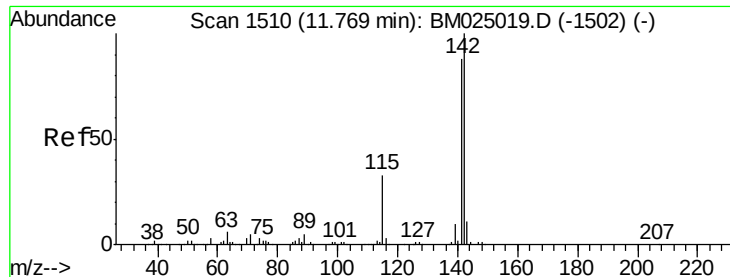
Abundance

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: 383.821 ng/ul

RT: 11.78 min Scan# 1512

Delta R.T. 0.01 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

Instrument :

BNA_M

ClientSampleId :

DBD18

Tot Ion:142 Resp:15022205

Ion Ratio Lower Upper

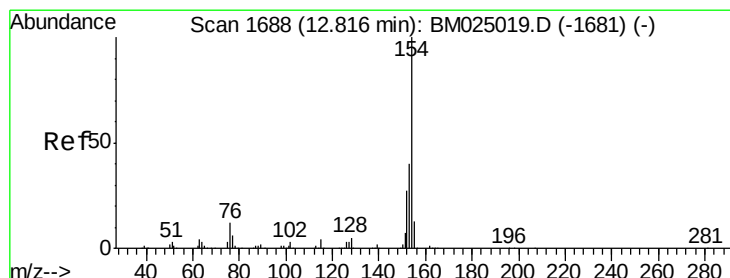
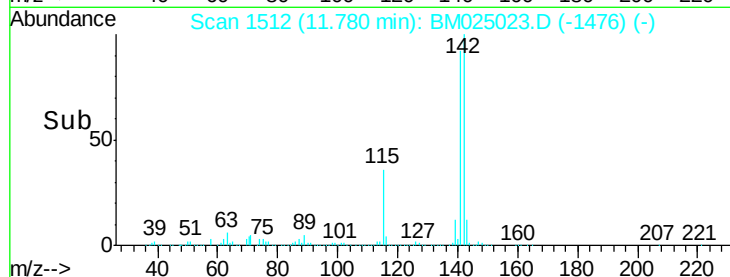
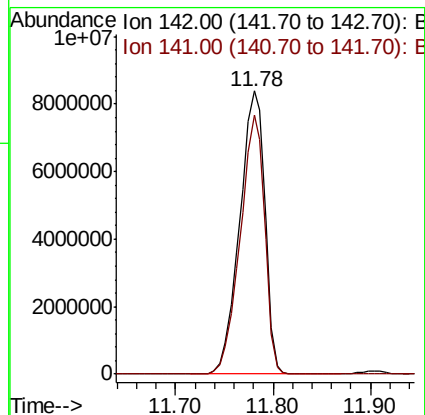
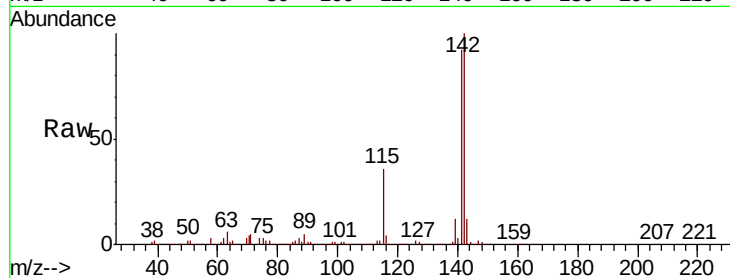
142 100

141 91.7 70.5 105.7

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#41

1,1'-Biphenyl

Concen: 11.165 ng/ul

RT: 12.82 min Scan# 1688

Delta R.T. 0.00 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

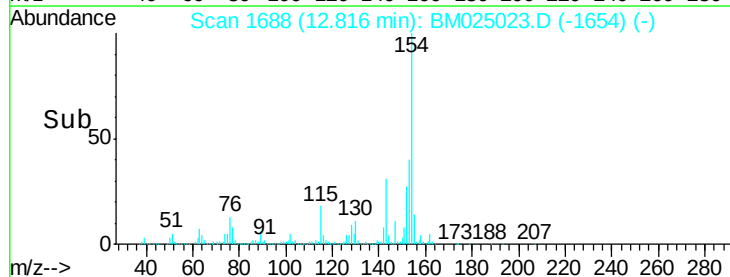
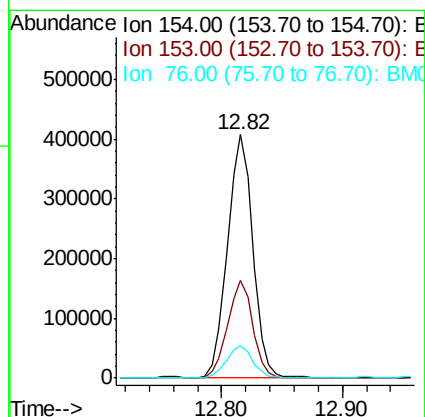
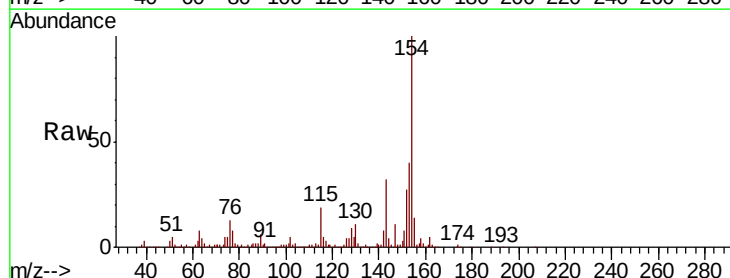
Tgt Ion:154 Resp: 592477

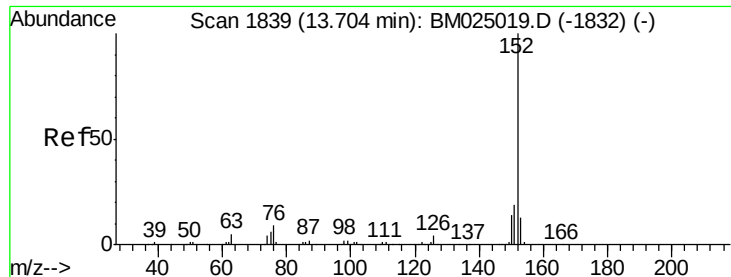
Ion Ratio Lower Upper

154 100

153 39.9 31.4 47.2

76 13.1 7.5 11.3#





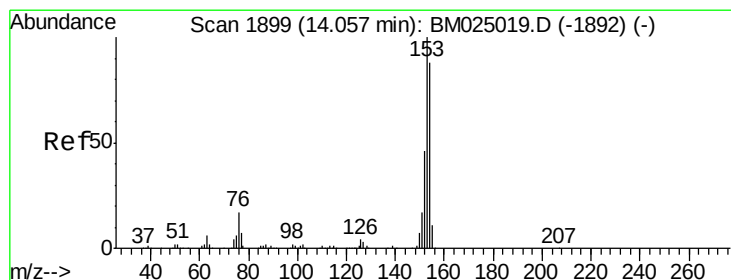
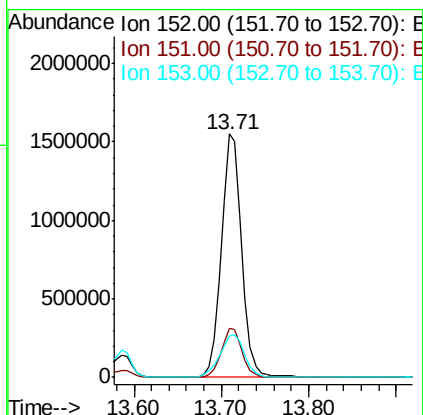
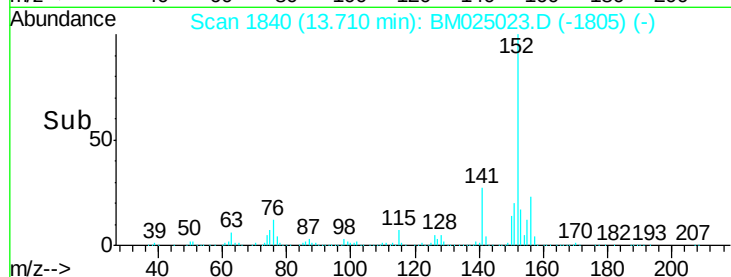
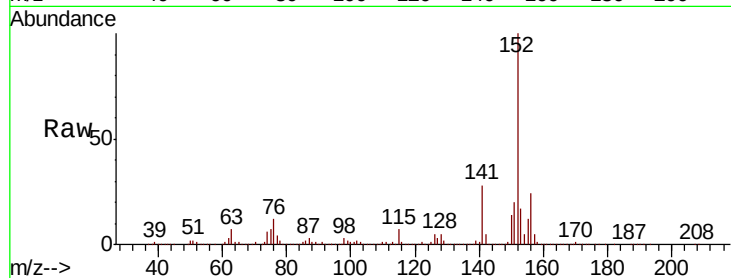
#48
Acenaphthylene
Concen: 37.887 ng/ul
RT: 13.71 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Instrument :
BNA_M
ClientSampleId :
DBD18

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.1	22.7
153	16.9	10.1	15.1#

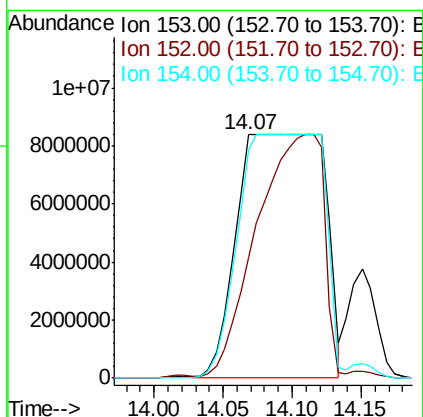
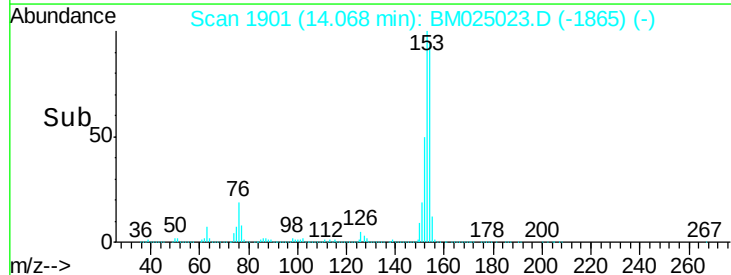
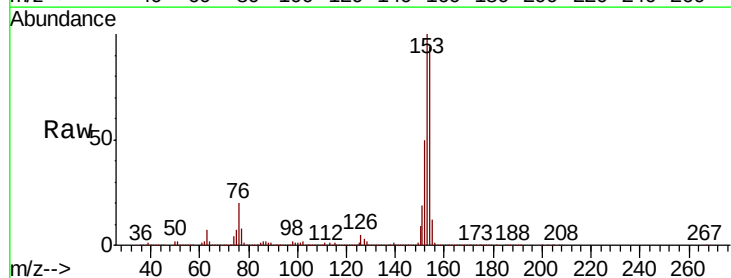
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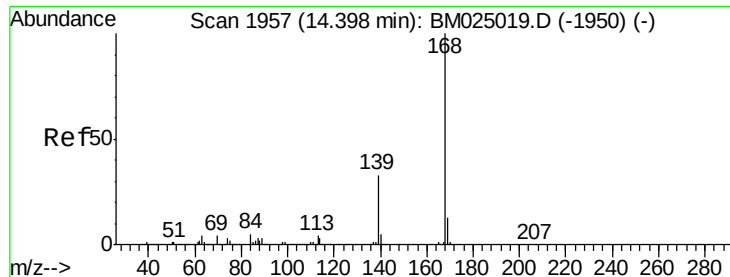
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#50
Acenaphthene
Concen: 829.529 ng/ul m
RT: 14.07 min Scan# 1901
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.5	37.3	55.9
154	93.6	74.1	111.1





#54

Dibenzofuran

Concen: 478.524 ng/ul m

RT: 14.41 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

Instrument :

BNA_M

ClientSampleId :

DBD18

Tot Ion:168 Resp:31617746

Ion Ratio Lower Upper

168 100

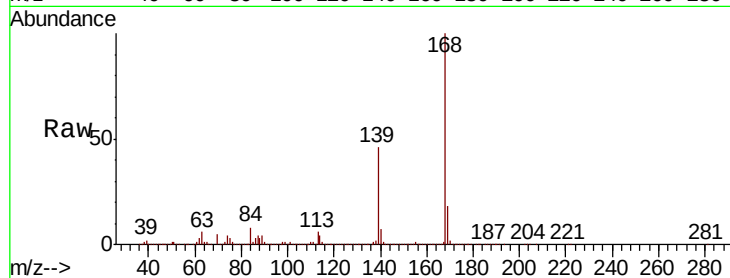
139 45.8 27.8 41.8#

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

8000000

6000000

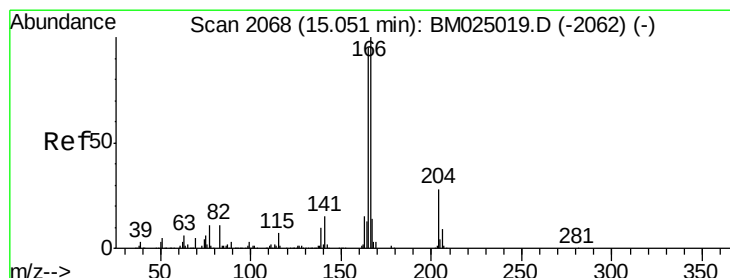
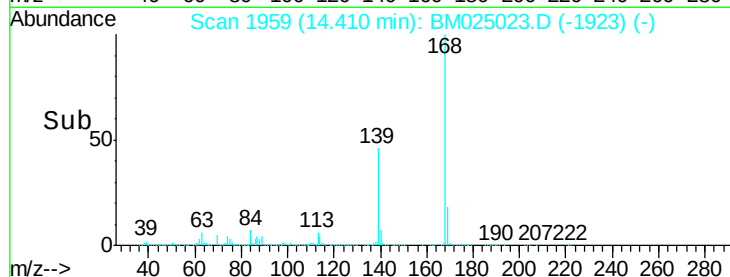
4000000

2000000

0

14.35 14.40 14.45 14.50

Time-->



#59

Fluorene

Concen: 564.164 ng/ul m

RT: 15.07 min Scan# 2071

Delta R.T. 0.02 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

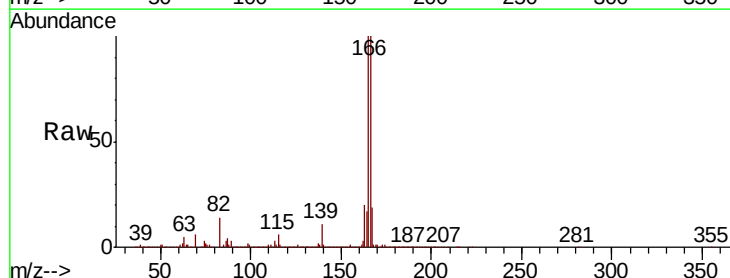
Tgt Ion:166 Resp:30721426

Ion Ratio Lower Upper

166 100

165 100.0 75.8 113.8

167 18.7 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

1e+07

8000000

6000000

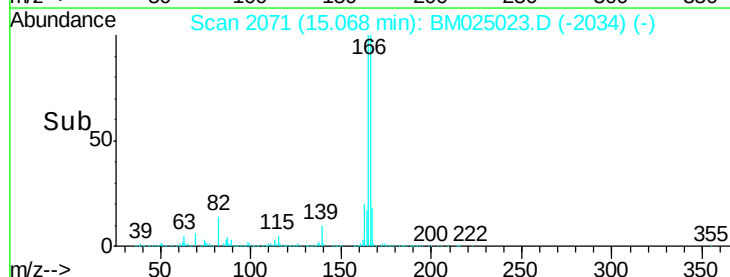
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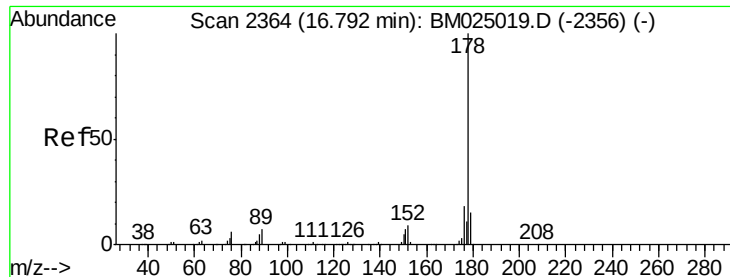
2000000

0

15.00 15.10

Time-->





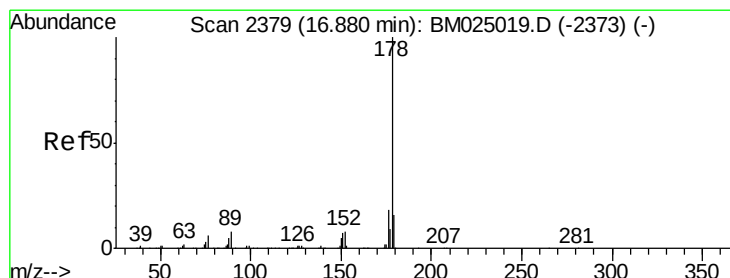
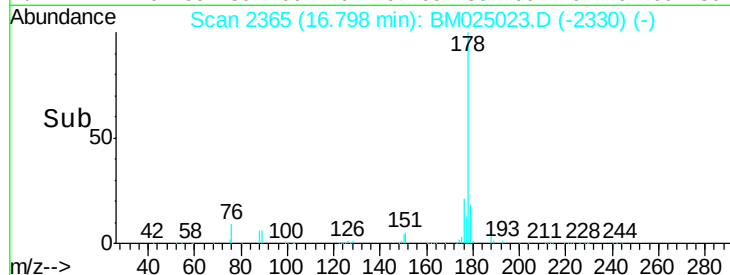
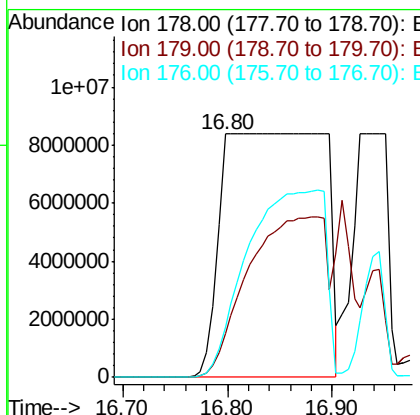
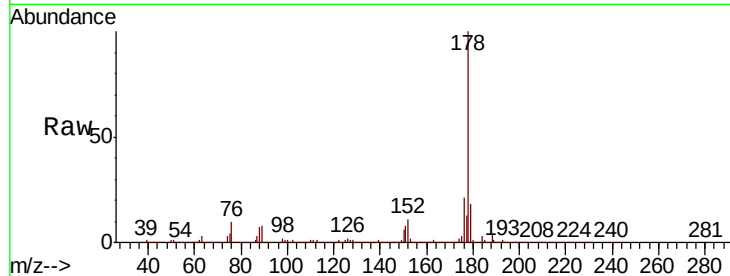
#70
Phenanthrene
Concen: 709.050 ng/ul m
RT: 16.80 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Instrument :
BNA_M
ClientSampleId :
DBD18

Tot Ion:178 Resp:57022985
Ion Ratio Lower Upper
178 100
179 17.8 12.2 18.2
176 20.8 14.5 21.7

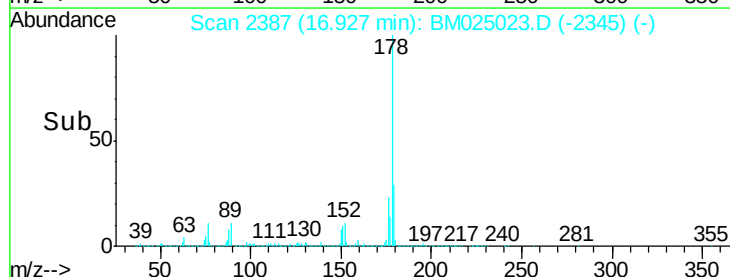
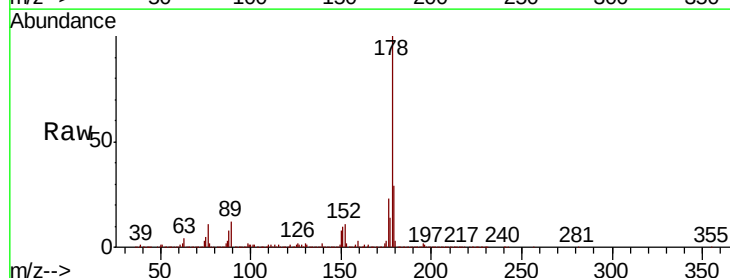
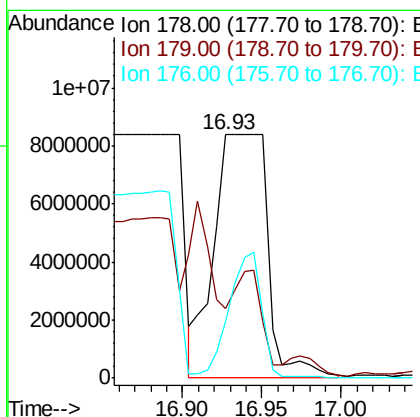
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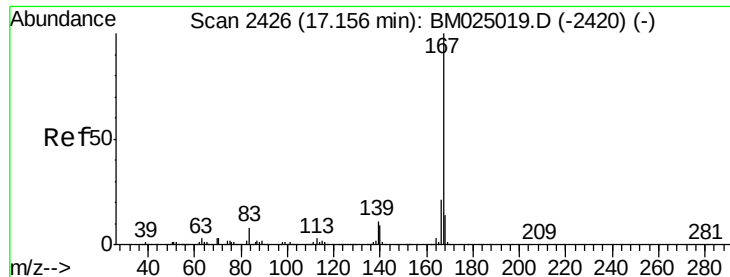
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#72
Anthracene
Concen: 242.705 ng/ul m
RT: 16.93 min Scan# 2387
Delta R.T. 0.05 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Tgt Ion:178 Resp:19795355
Ion Ratio Lower Upper
178 100
179 28.7 12.3 18.5#
176 23.4 14.1 21.1#





#75

Carbazole

Concen: 141.287 ng/ul

RT: 17.18 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

Instrument :

BNA_M

ClientSampleId :

DBD18

Tot Ion:167 Resp: 9600223

Ion Ratio Lower Upper

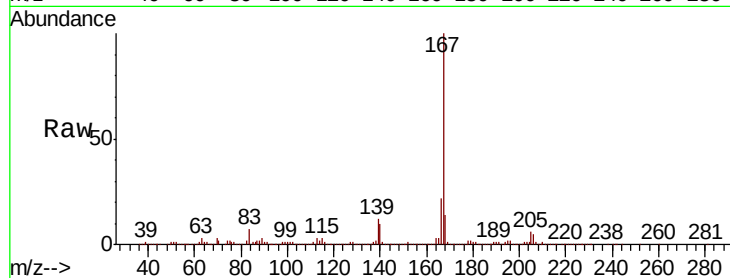
167 100

166 22.0 16.6 24.8

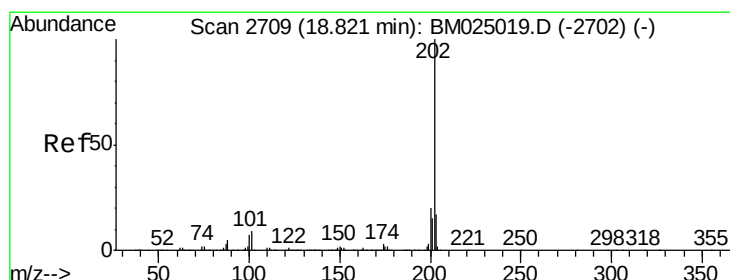
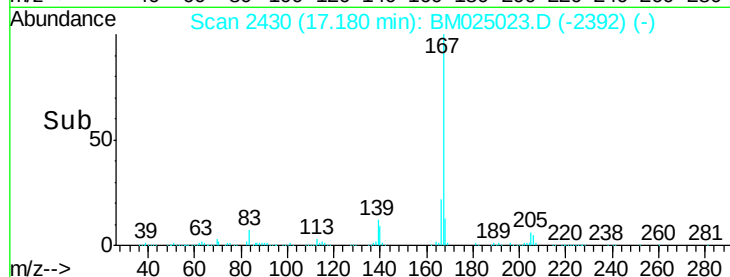
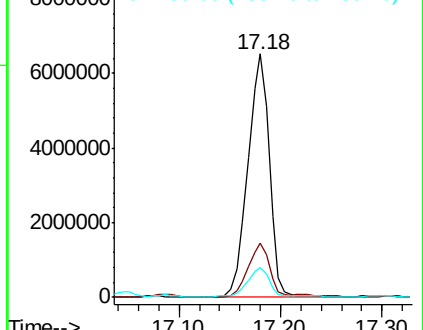
139 12.3 9.3 13.9

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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: 497.412 ng/ul m

RT: 18.83 min Scan# 2711

Delta R.T. 0.01 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

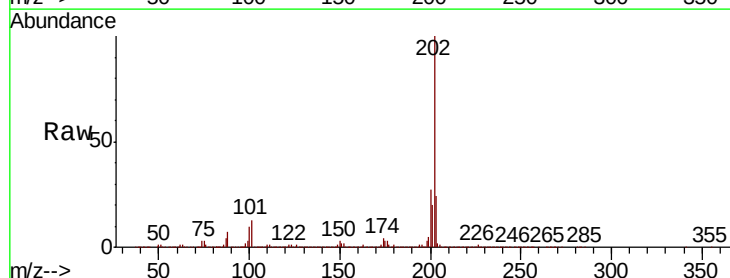
Tgt Ion:202 Resp:49107394

Ion Ratio Lower Upper

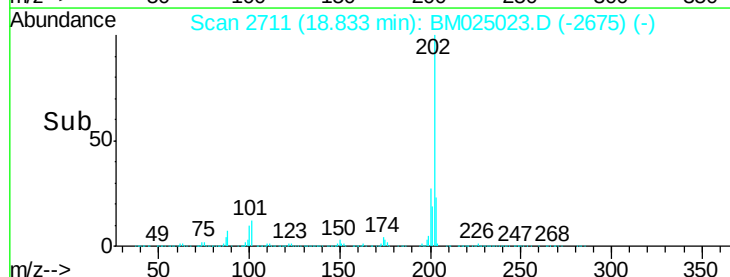
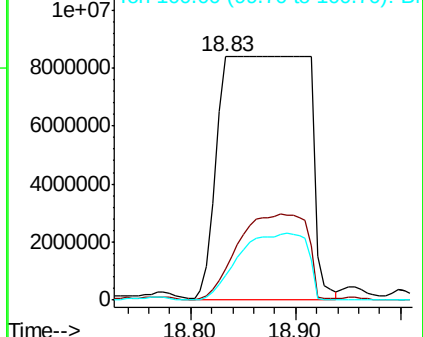
202 100

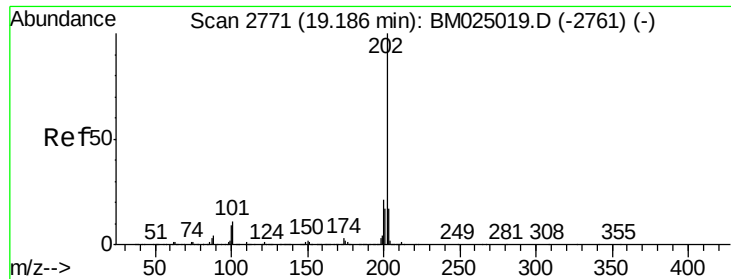
101 13.0 6.1 9.1#

100 10.1 4.8 7.2#



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





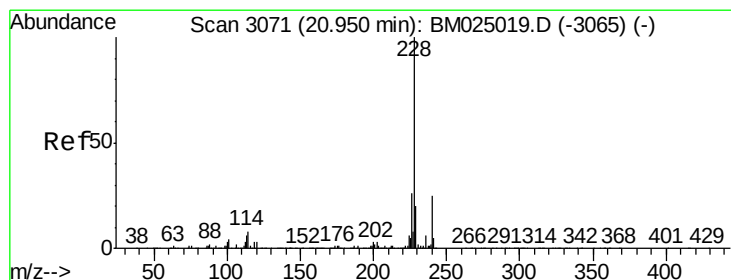
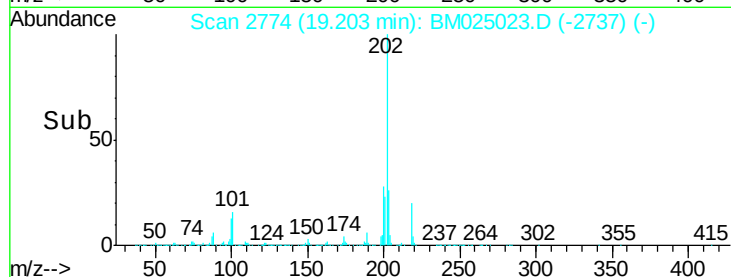
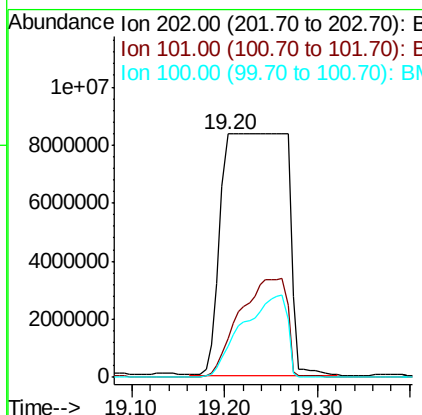
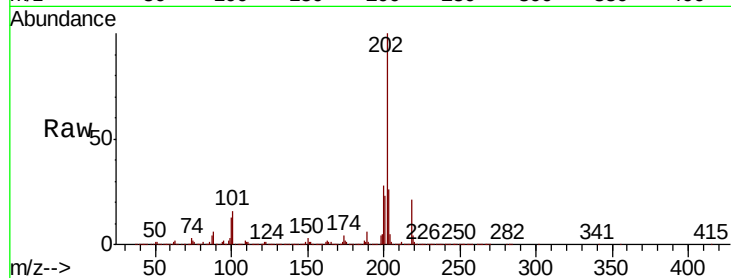
#80
Pvrene
Concen: 354.814 ng/ul m
RT: 19.20 min Scan# 2774
Delta R.T. 0.02 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Instrument :
BNA_M
ClientSampleId :
DBD18

Tot Ion:202 Resp:40663598
Ion Ratio Lower Upper
202 100
101 15.9 7.0 10.4#
100 12.7 5.8 8.8#

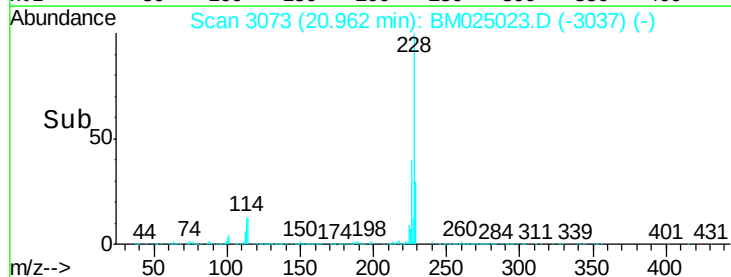
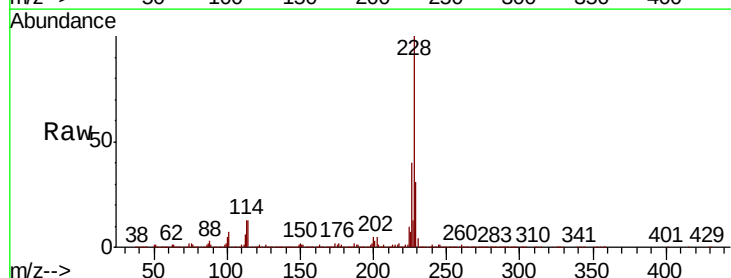
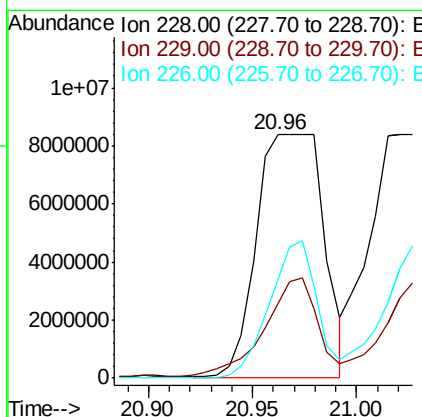
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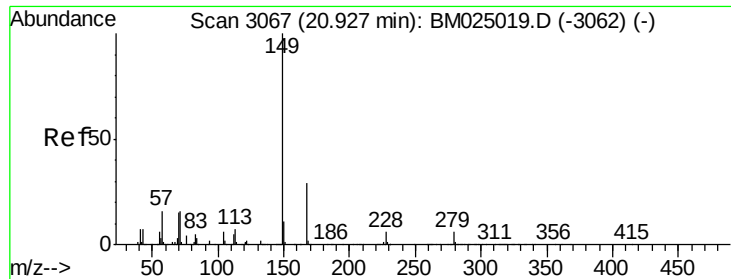
mohammad
2/24/2020 3:39:05 PM



#83
Benzo(a)anthracene
Concen: 161.629 ng/ul m
RT: 20.96 min Scan# 3073
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Tgt Ion:228 Resp:18850067
Ion Ratio Lower Upper
228 100
229 30.6 15.9 23.9#
226 40.5 20.8 31.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.013 ng/ul

RT: 20.93 min Scan# 3068

Delta R.T. 0.01 min

Lab File: BM025023.D

Acq: 22 Feb 2020 12:56

Instrument :

BNA_M

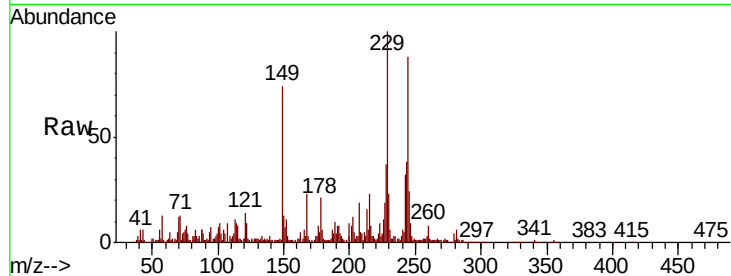
ClientSampleId :

DBD18

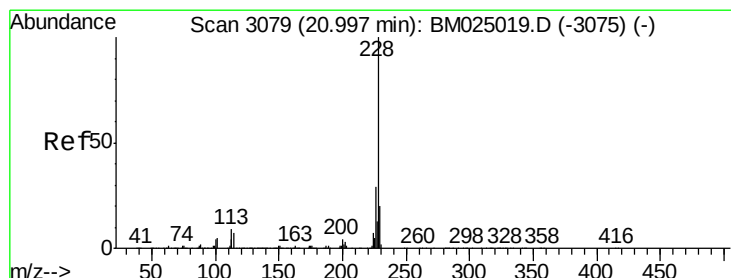
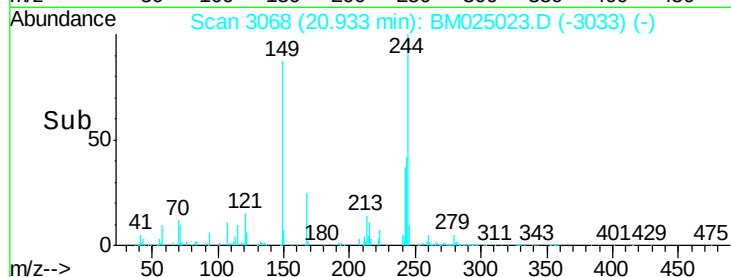
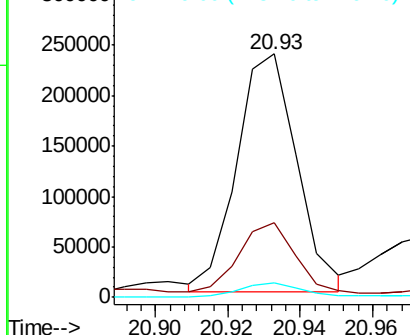
Tot Ion:	149	Resp:	272325
Ion Ratio	Lower	Upper	
149	100		
167	30.5	23.4	35.2
279	6.1	4.7	7.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 152.039 ng/ul m

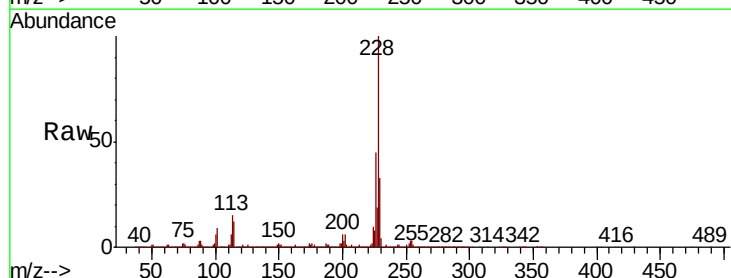
RT: 21.02 min Scan# 3083

Delta R.T. 0.02 min

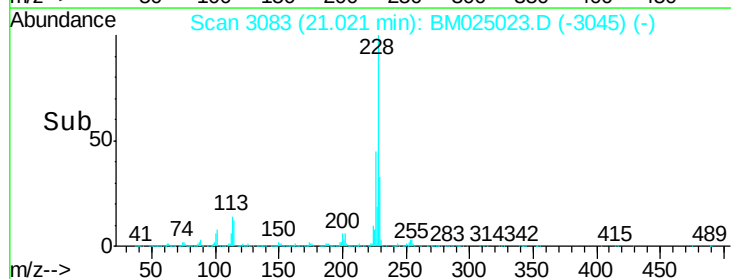
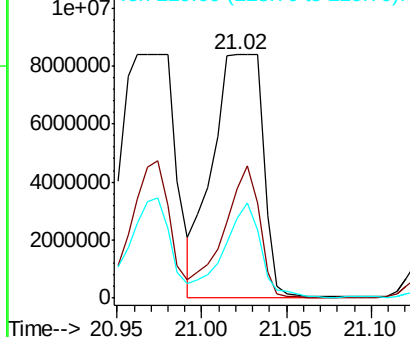
Lab File: BM025023.D

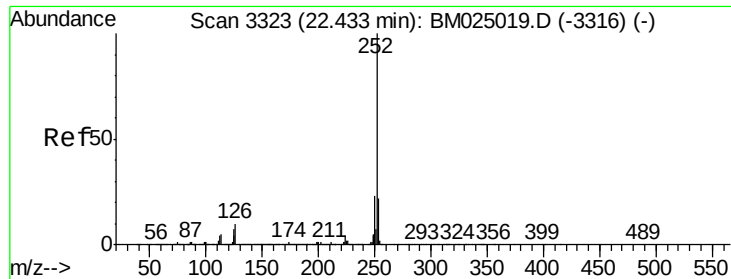
Acq: 22 Feb 2020 12:56

Tgt Ion:	228	Resp:	17456916
Ion Ratio	Lower	Upper	
228	100		
226	44.8	23.0	34.4#
229	32.9	15.8	23.8#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





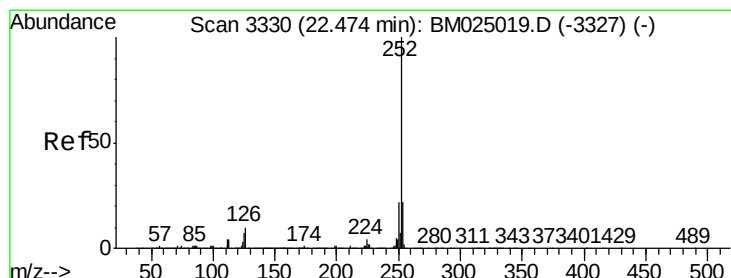
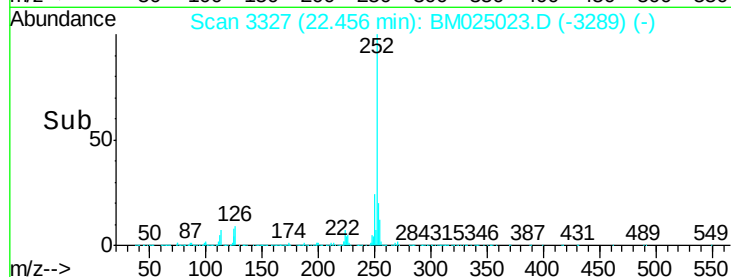
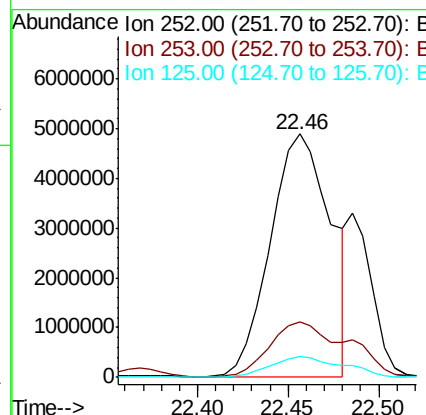
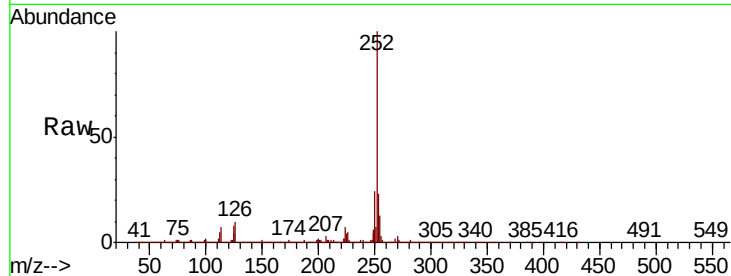
#88
Benzo(b)fluoranthene
Concen: 92.401 ng/ul
RT: 22.46 min Scan# 3327
Delta R.T. 0.02 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Instrument :
BNA_M
ClientSampleId :
DBD18

Tot Ion:252 Resp:11340291
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 8.4 5.1 7.7#

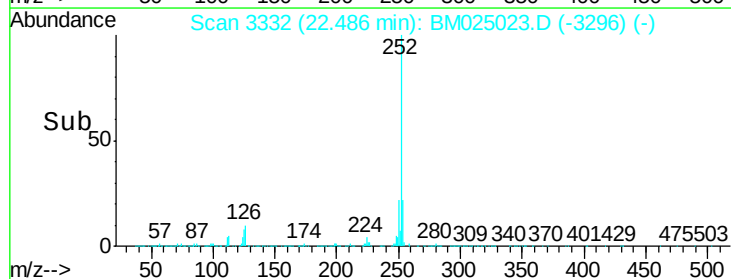
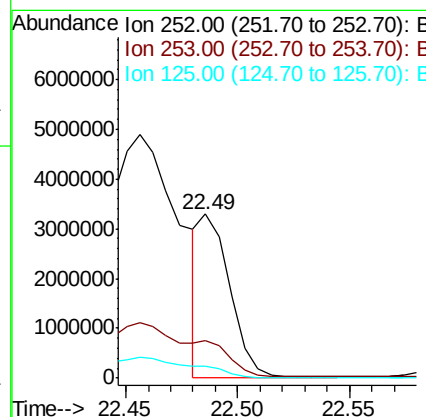
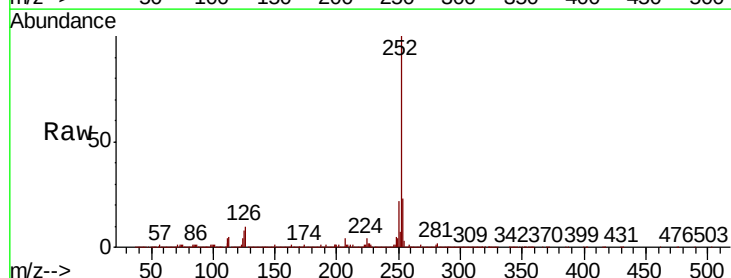
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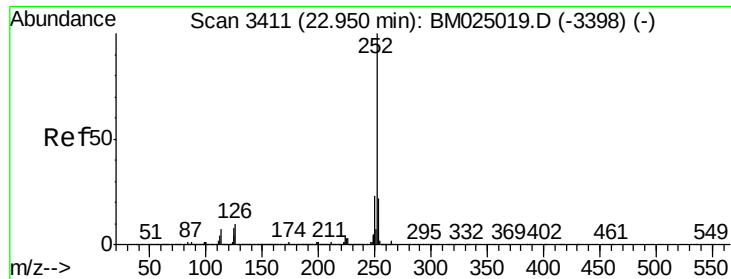
mohammad
2/24/2020 3:39:05 PM



#89
Benzo(k)fluoranthene
Concen: 25.860 ng/ul m
RT: 22.49 min Scan# 3332
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Tgt Ion:252 Resp: 3054807
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 7.6 5.1 7.7





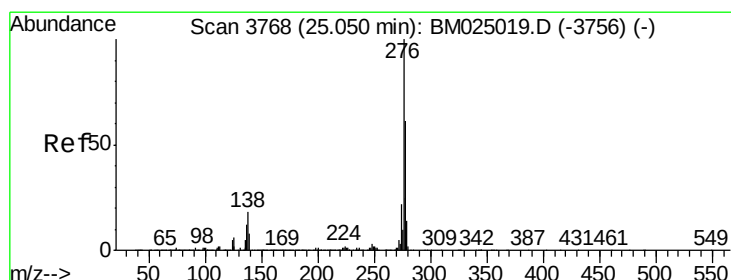
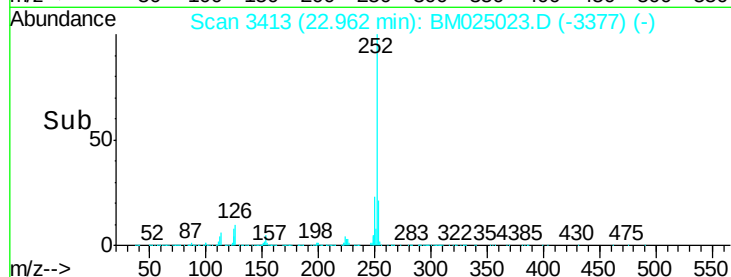
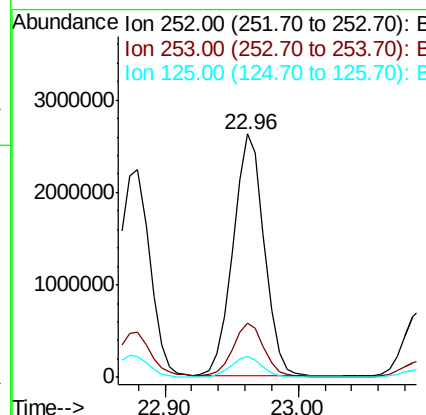
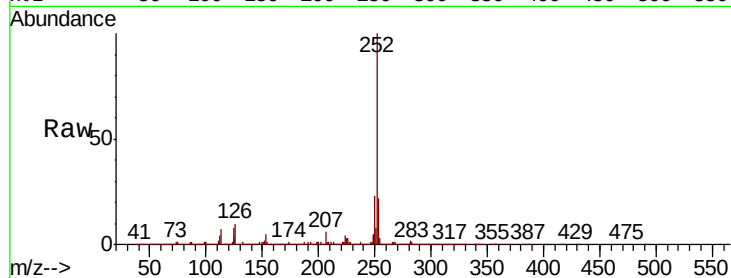
#91
Benzo(a)pyrene
Concen: 38.804 ng/ul
RT: 22.96 min Scan# 3413
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Instrument :
BNA_M
ClientSampleId :
DBD18

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.4	5.6	8.4

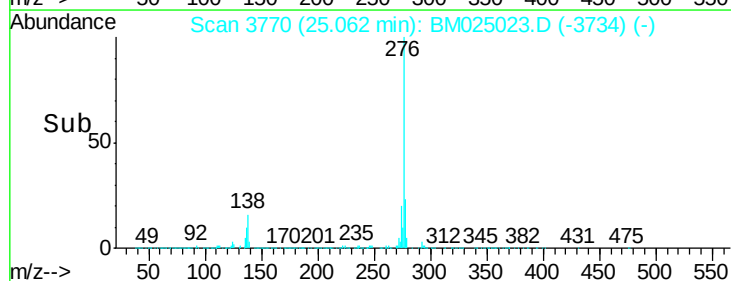
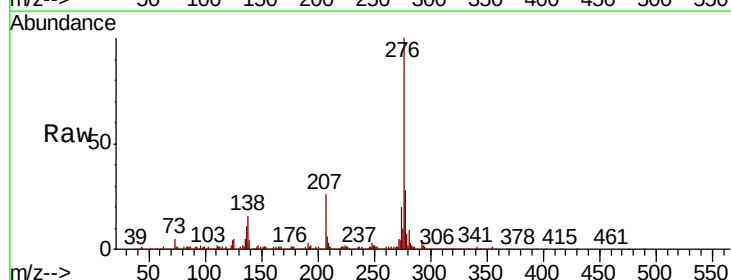
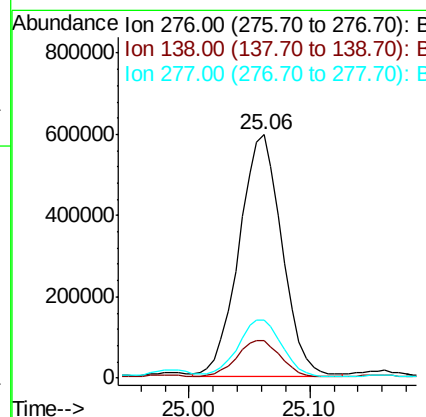
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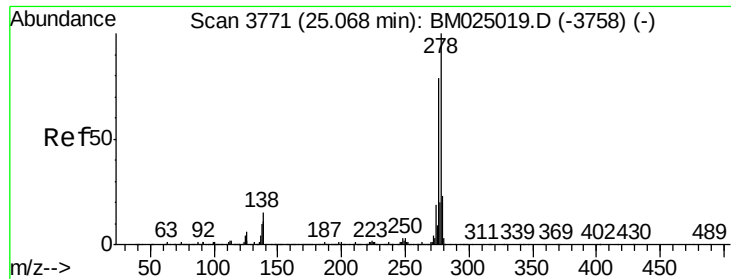
mohammad
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#92
Indeno(1,2,3-cd)pyrene
Concen: 10.738 ng/ul
RT: 25.06 min Scan# 3770
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.8	19.2
277	23.9	19.3	28.9





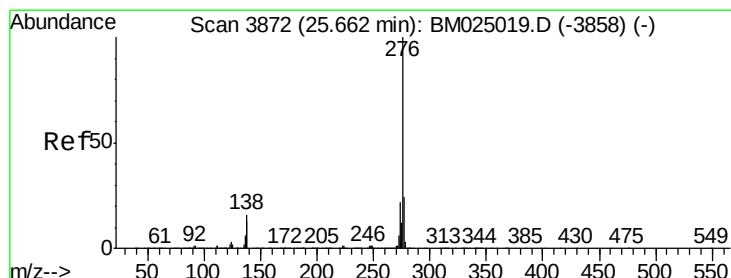
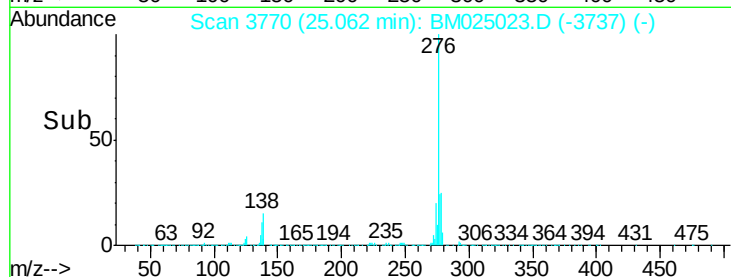
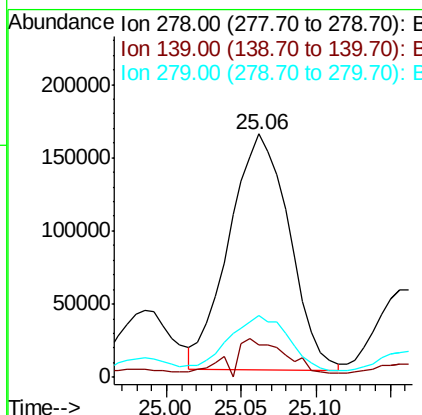
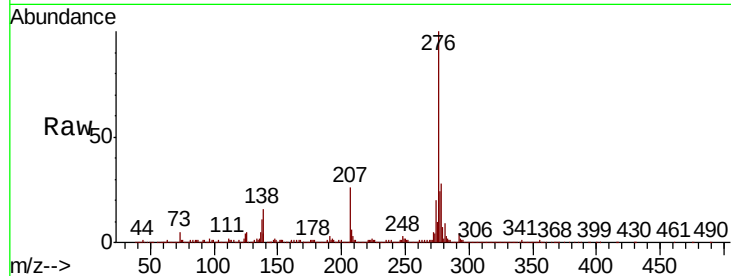
#93
Dibenzo(a,h)anthracene
Concen: 3.878 ng/ul
RT: 25.06 min Scan# 3770
Delta R.T. -0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Instrument :
BNA_M
ClientSampleId :
DBD18

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	8.4	12.6#
279	25.2	18.5	27.7

Manual Integrations
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2/24/2020 3:39:05 PM



#94
Benzo(g,h,i)perylene
Concen: 8.818 ng/ul
RT: 25.67 min Scan# 3873
Delta R.T. 0.01 min
Lab File: BM025023.D
Acq: 22 Feb 2020 12:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	11.8	17.6
277	24.3	19.0	28.6

