

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
 Data File : BM025020.D
 Acq On : 22 Feb 2020 11:08
 Operator : CG/JU
 Sample : L1507-17
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBD15

Manual Integrations
 APPROVED

mohammad
 2/24/2020 3:38:58 PM

Quant Time: Mar 03 14:01:30 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	239058	20.00	ng/ul	0.00
18) Naphthalene-d8	10.10	136	971832	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.01	164	799441	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.80	188	1355131	20.00	ng/ul	0.05
78) Chrysene-d12	21.00	240	1510187	20.00	ng/ul	0.04
86) Perylene-d12	23.06	264	1863856	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	2564	0.52	ng/uL	0.02
5) Phenol-d5	6.54	99	44696	2.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.69	67	30183	3.37	ng/ul	0.00
9) 2-Chlorophenol-d4	6.88	132	39793	2.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.06	113	38508	2.87	ng/ul	0.00
19) Nitrobenzene-d5	8.48	128	31562m	4.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.19	143	20911	2.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.75	165	44911	2.68	ng/ul	0.02
29) 4-Chloroaniline-d4	10.25	131	66145	4.22	ng/ul	0.01
44) Dimethylphthalate-d6	13.44	166	150470	2.49	ng/ul	0.02
47) Acenaphthylene-d8	13.68	160	190814	2.71	ng/ul	0.00
52) 4-Nitrophenol-d4	14.26	143	24976m	2.55	ng/ul	0.03
58) Fluorene-d10	15.01	176	175596	3.29	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.21	200	10184	1.15	ng/ul	0.08
71) Anthracene-d10	16.92	188	217350	3.51	ng/ul	0.07
79) Pyrene-d10	19.19	212	279059	3.69	ng/ul	0.04
90) Benzo(a)pyrene-d12	22.93	264	303927	3.25	ng/ul	0.02

Target Compounds

					Ovalue	
14) Acetophenone	8.15	105	54086	2.561	ng/ul	99
28) Naphthalene	10.15	128	30097732m	606.140	ng/ul	
34) 2-Methylnaphthalene	11.78	142	29304552m	801.181	ng/ul	
41) 1,1'-Biphenyl	12.82	154	14426585	244.450	ng/ul#	92
48) Acenaphthylene	13.71	152	1229860	16.848	ng/ul#	90
50) Acenaphthene	14.07	153	37686023m	764.458	ng/ul	
54) Dibenzofuran	14.41	168	31030633m	422.269	ng/ul	
59) Fluorene	15.07	166	31147161m	514.290	ng/ul	
70) Phenanthrene	16.80	178	60685074m	821.310	ng/ul	
72) Anthracene	16.93	178	18245414m	243.482	ng/ul	
75) Carbazole	17.17	167	15572583	249.447	ng/ul	96
77) Fluoranthene	18.83	202	52912612m	583.346	ng/ul	
80) Pyrene	19.20	202	46301976m	463.188	ng/ul	
83) Benzo(a)anthracene	20.97	228	27006518m	265.484	ng/ul	
85) Chrysene	21.02	228	20820489m	207.894	ng/ul	
88) Benzo(b)fluoranthene	22.46	252	26453360m	223.198	ng/ul	
89) Benzo(k)fluoranthene	22.49	252	12273693m	107.591	ng/ul	
91) Benzo(a)pyrene	22.98	252	19694836m	185.351	ng/ul	
92) Indeno(1,2,3-cd)pyrene	25.08	276	7344850	55.523	ng/ul	99
93) Dibenz(a,h)anthracene	25.08	278	2060844	18.285	ng/ul#	93
94) Benzo(a,h,i)perylene	25.69	276	5268235	47.884	ng/ul	98

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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)

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

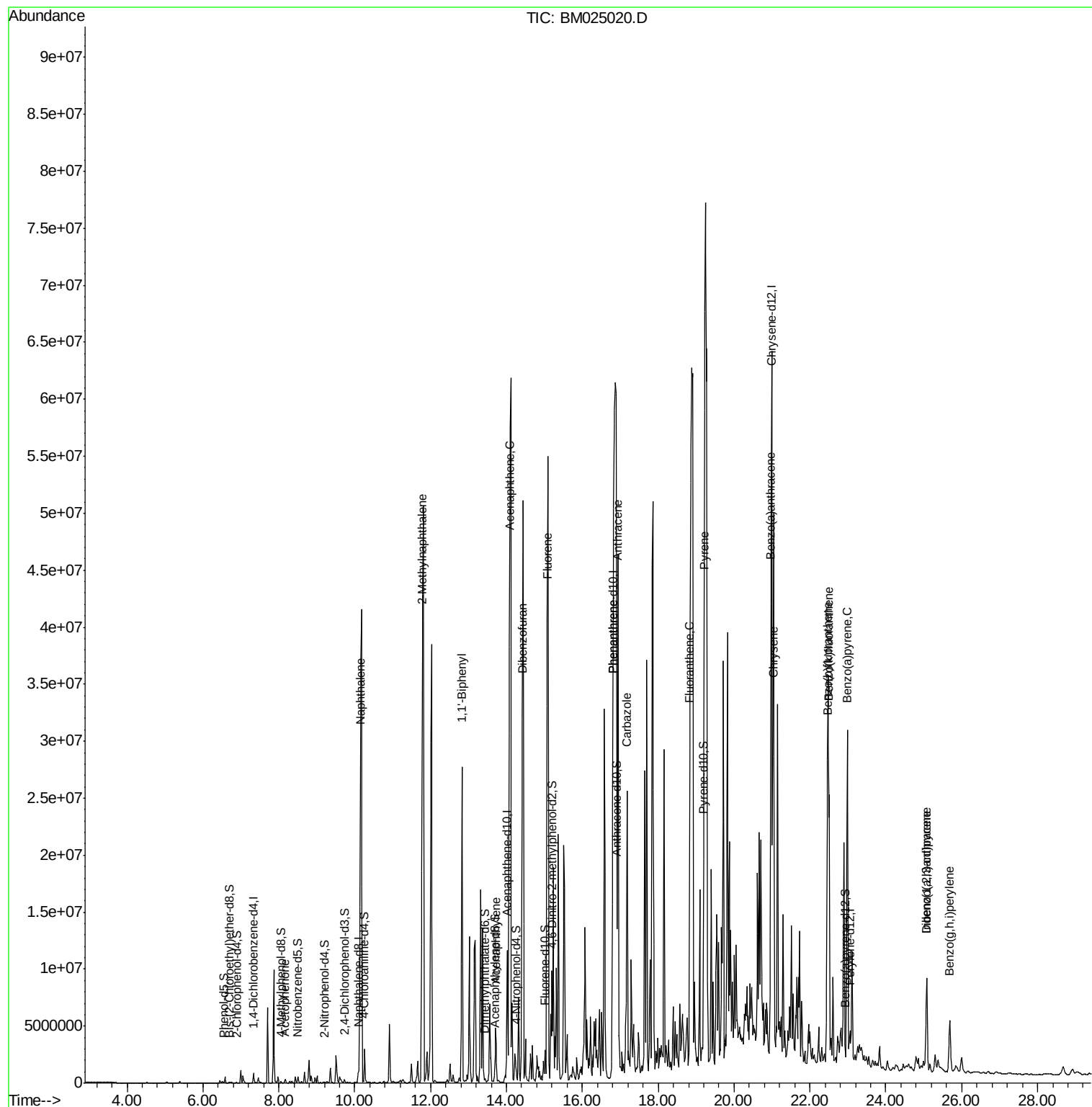
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

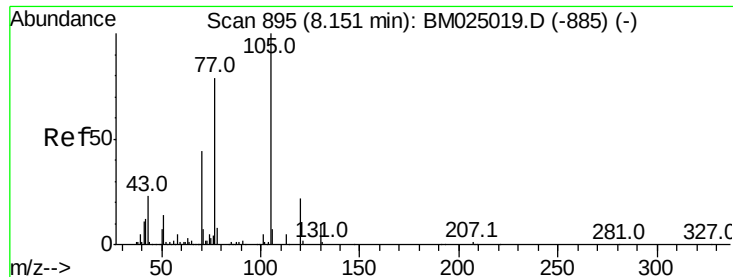
Instrument :
BNA_M
ClientSampled :
DBD15

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#14

Acetophenone

Concen: 2.561 ng/ul

RT: 8.15 min Scan# 895

Delta R.T. 0.00 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

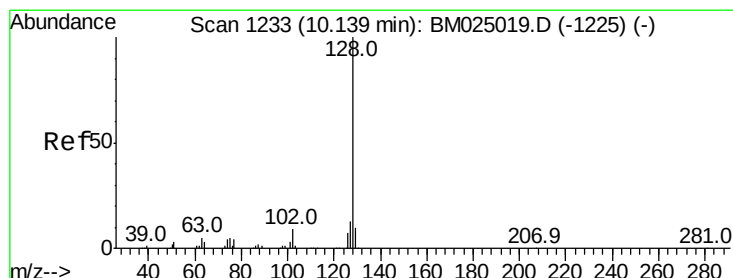
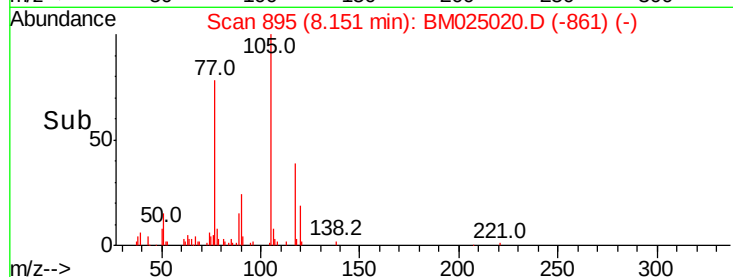
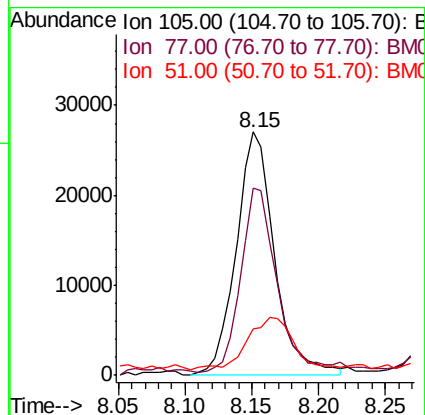
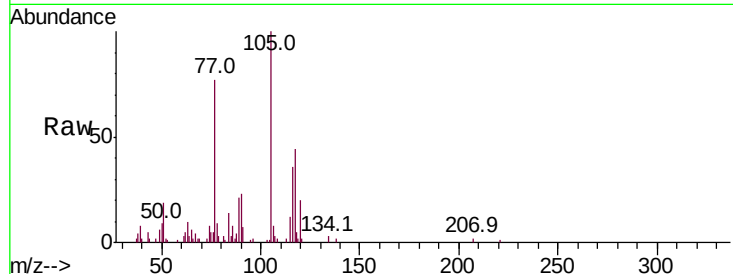
ClientSampleId :

DBD15

Tot Ion	Ratio	Lower	Upper
105	100		
77	77.2	61.6	92.4
51	19.2	16.7	25.1

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#28

Naphthalene

Concen: 606.140 ng/ul m

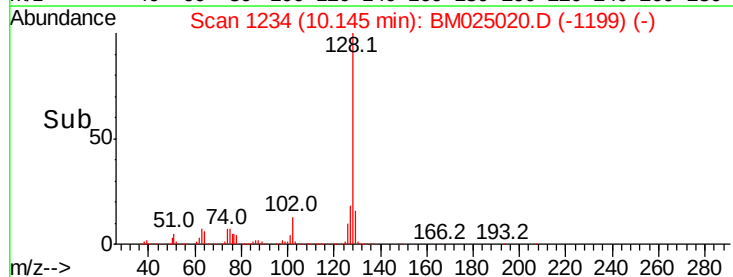
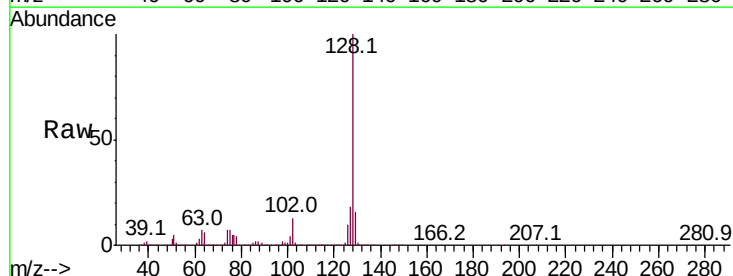
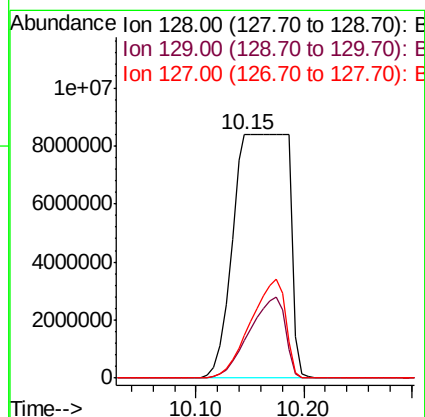
RT: 10.15 min Scan# 1234

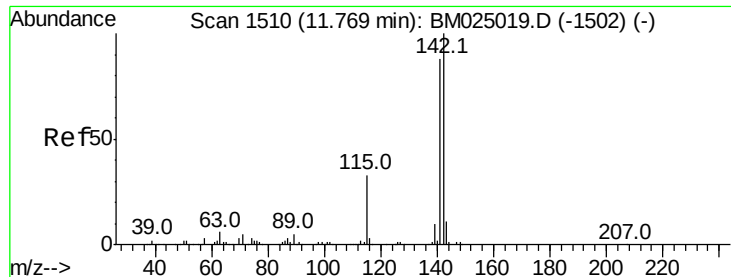
Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.6	9.1	13.7#
127	17.5	10.4	15.6#





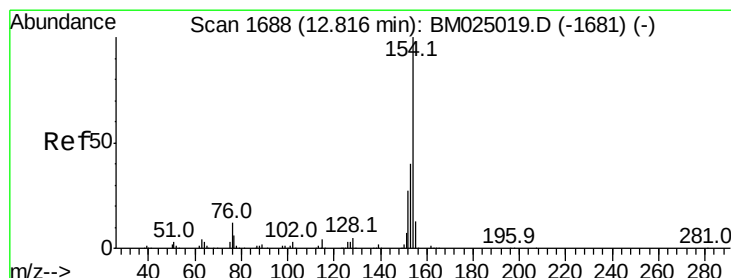
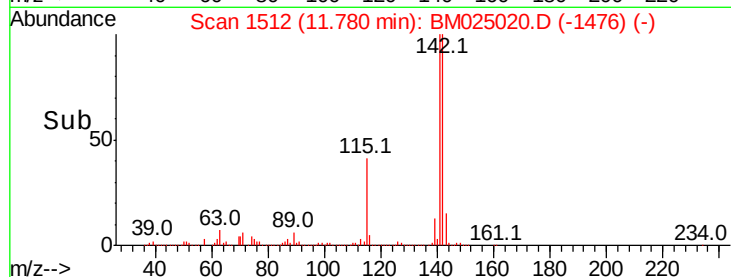
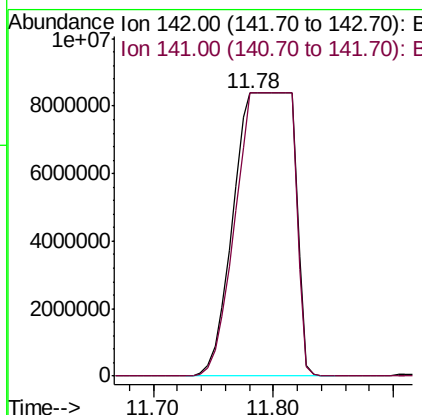
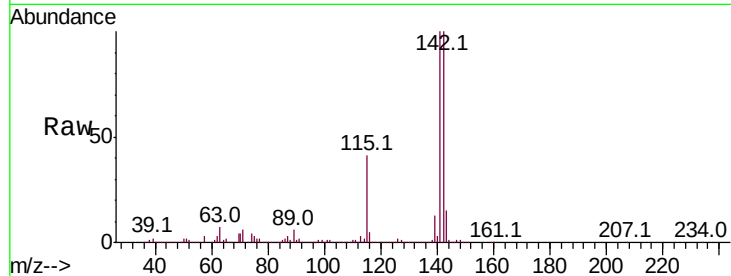
#34
2-Methylnaphthalene
Concen: 801.181 ng/ul m
RT: 11.78 min Scan# 1512
Delta R.T. 0.01 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Instrument :
BNA_M
ClientSampleId :
DBD15

Tot Ion:142 Resp:29304552
Ion Ratio Lower Upper
142 100
141 100.0 70.5 105.7

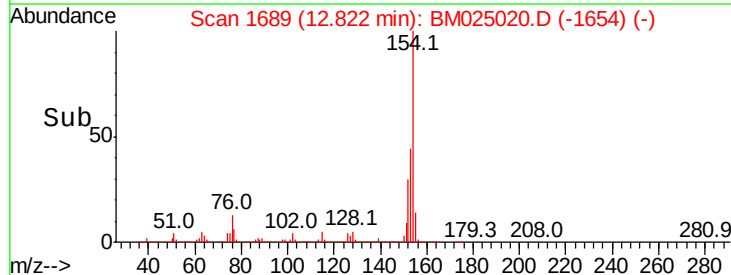
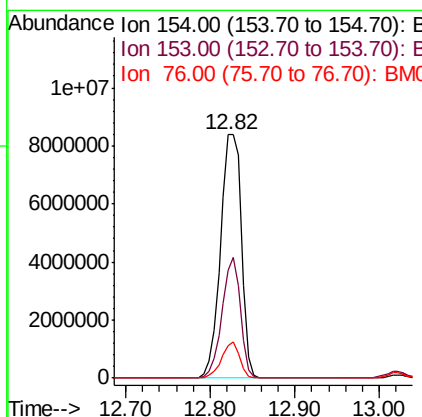
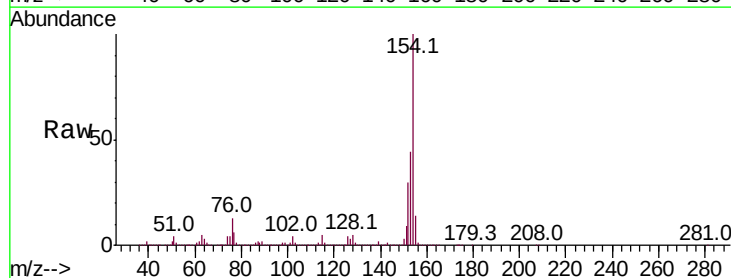
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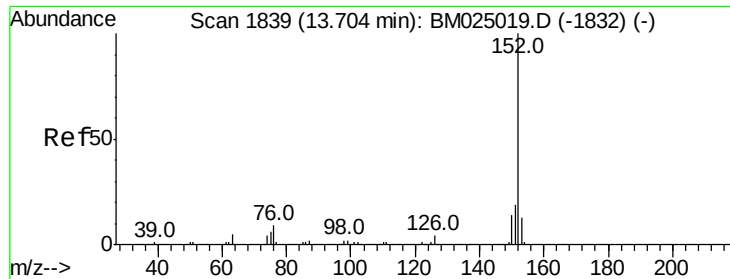
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#41
1,1'-Biphenyl
Concen: 244.450 ng/ul
RT: 12.82 min Scan# 1689
Delta R.T. 0.01 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Tgt Ion:154 Resp:14426585
Ion Ratio Lower Upper
154 100
153 44.1 31.4 47.2
76 13.5 7.5 11.3#





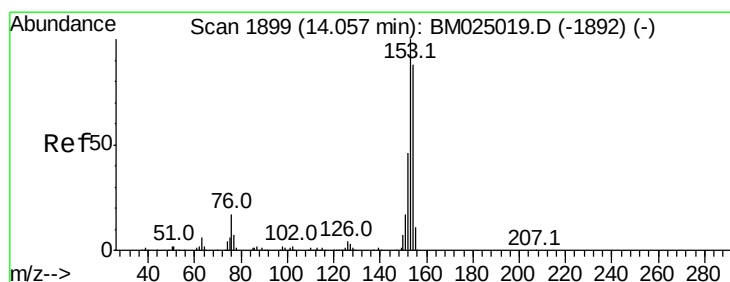
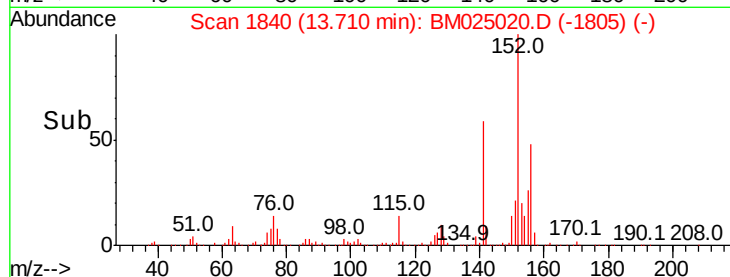
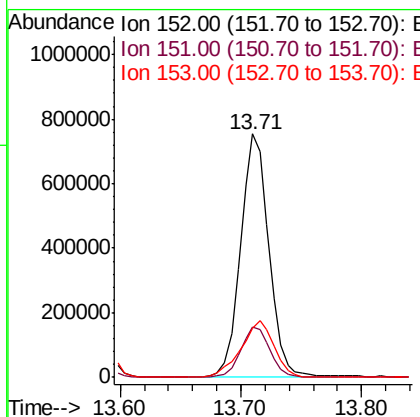
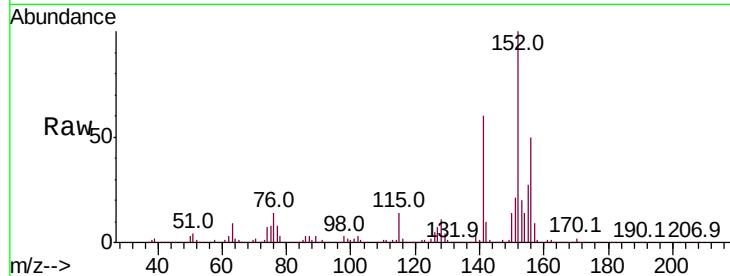
#48
Acenaphthylene
Concen: 16.848 ng/ul
RT: 13.71 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Instrument :
BNA_M
ClientSampleId :
DBD15

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.1	22.7
153	20.3	10.1	15.1

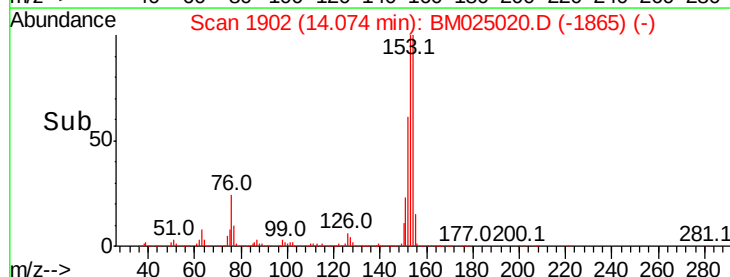
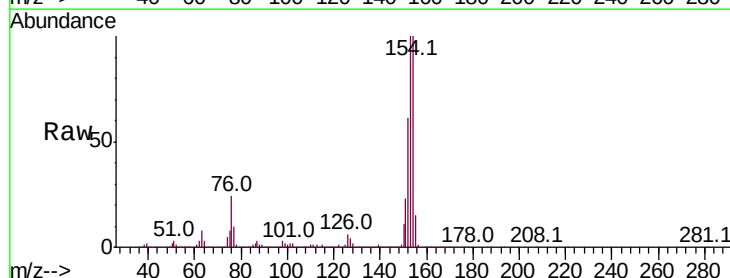
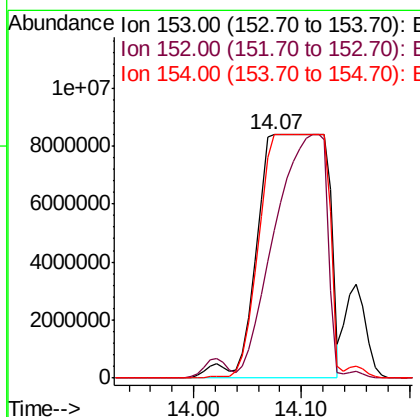
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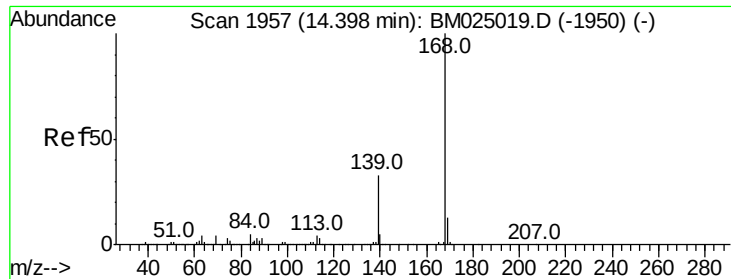
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#50
Acenaphthene
Concen: 764.458 ng/ul m
RT: 14.07 min Scan# 1902
Delta R.T. 0.02 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Tgt Ion	Ratio	Lower	Upper
153	100		
152	60.7	37.3	55.9
154	100.0	74.1	111.1





#54

Dibenzofuran

Concen: 422.269 ng/ul m

RT: 14.41 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampled :

DBD15

Tot Ion:168 Resp:31030633

Ion Ratio Lower Upper

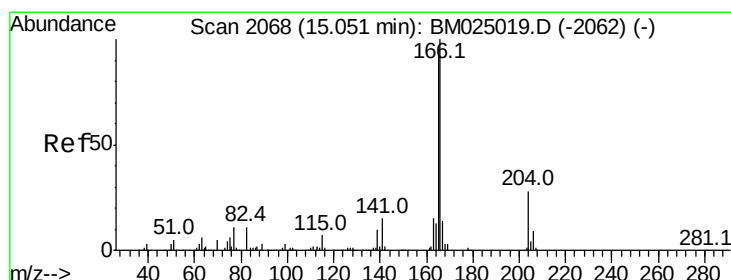
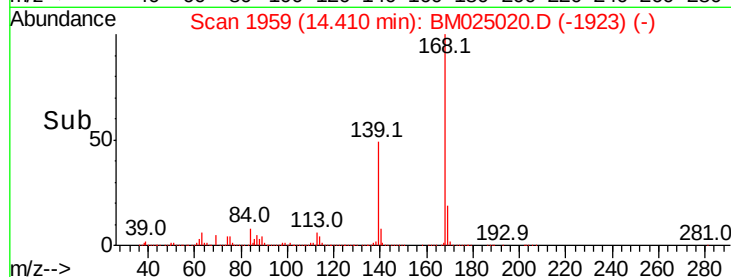
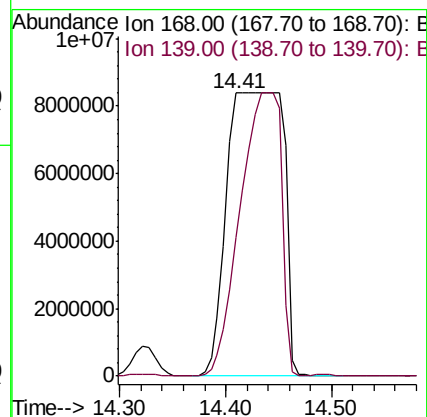
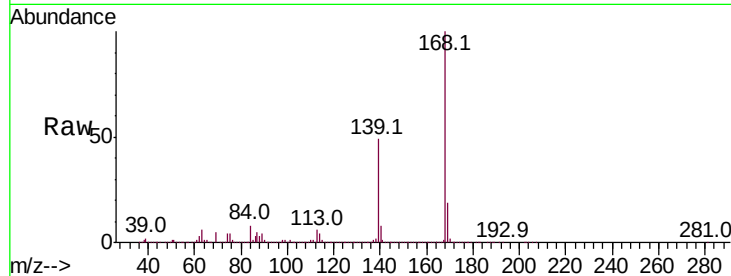
168 100

139 48.9 27.8 41.8#

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#59

Fluorene

Concen: 514.290 ng/ul m

RT: 15.07 min Scan# 2071

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

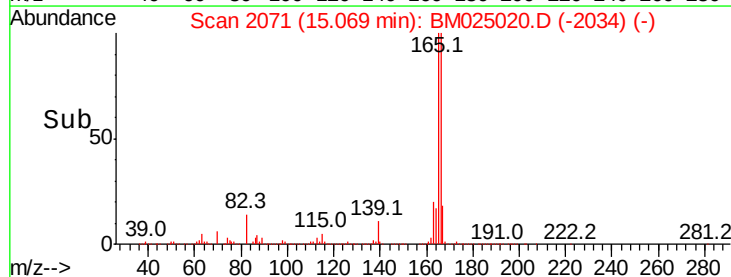
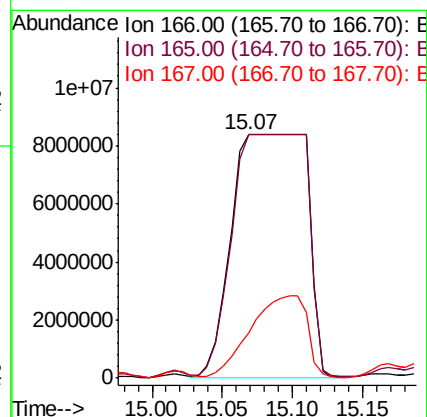
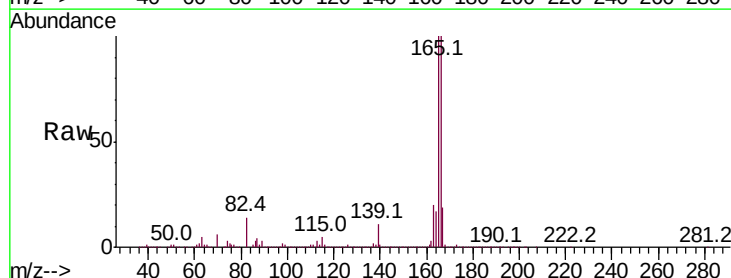
Tgt Ion:166 Resp:31147161

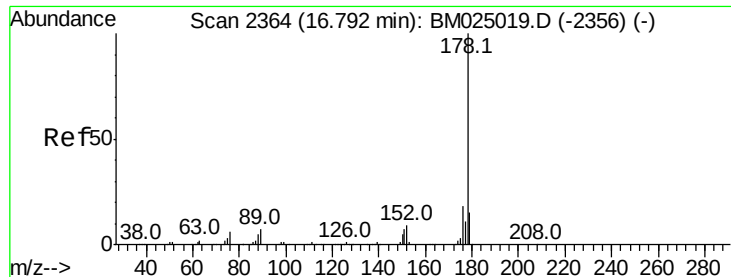
Ion Ratio Lower Upper

166 100

165 100.0 75.8 113.8

167 18.7 10.6 16.0#





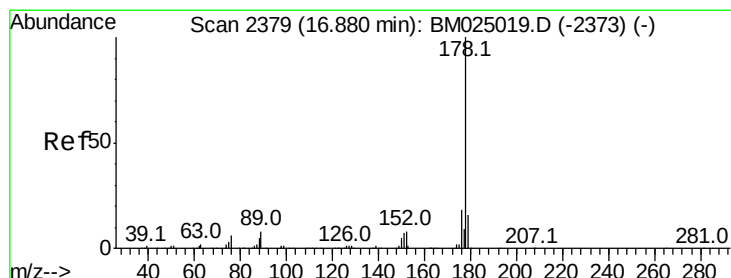
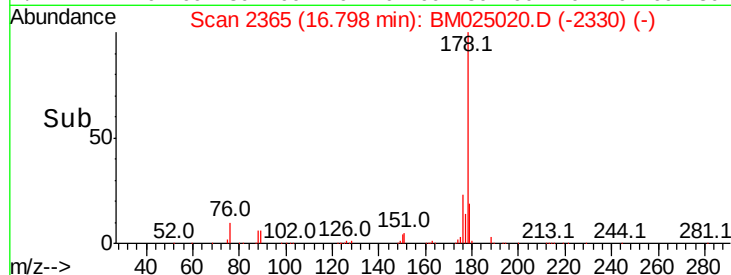
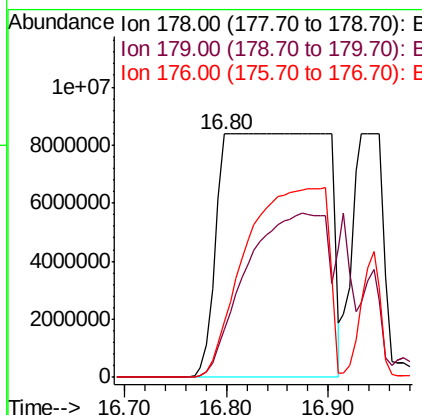
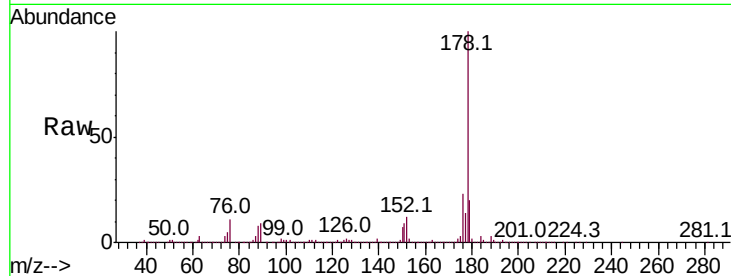
#70
Phenanthrene
Concen: 821.310 ng/ul m
RT: 16.80 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Instrument :
BNA_M
ClientSampleId :
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Tot Ion:178 Resp:60685074
Ion Ratio Lower Upper
178 100
179 19.5 12.2 18.2#
176 22.7 14.5 21.7#

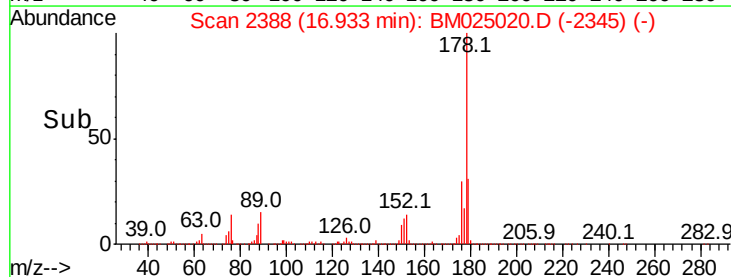
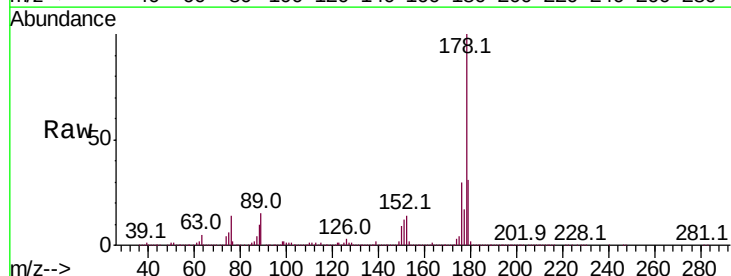
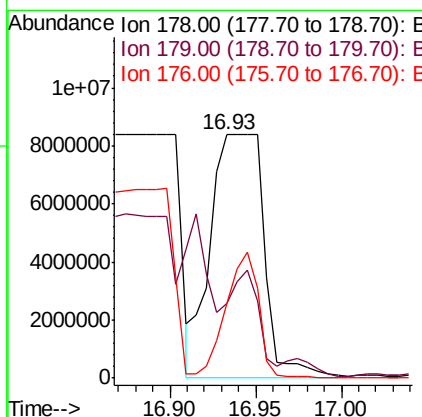
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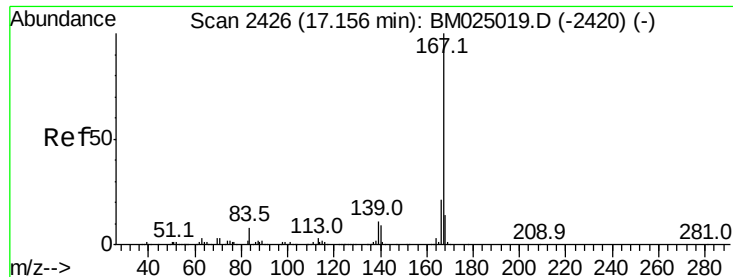
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#72
Anthracene
Concen: 243.482 ng/ul m
RT: 16.93 min Scan# 2388
Delta R.T. 0.05 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Tgt Ion:178 Resp:18245414
Ion Ratio Lower Upper
178 100
179 30.7 12.3 18.5#
176 30.5 14.1 21.1#





#75

Carbazole

Concen: 249.447 ng/ul

RT: 17.17 min Scan# 2429

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

Tot Ion:167 Resp:15572583

Ion Ratio Lower Upper

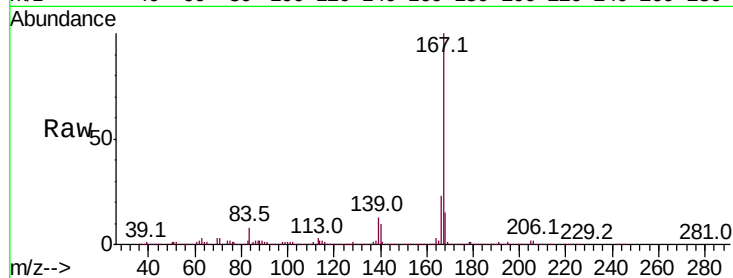
167 100

166 22.7 16.6 24.8

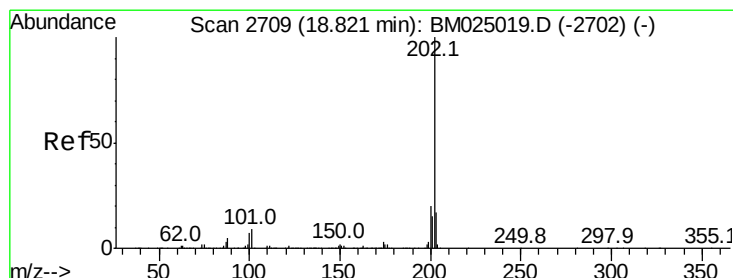
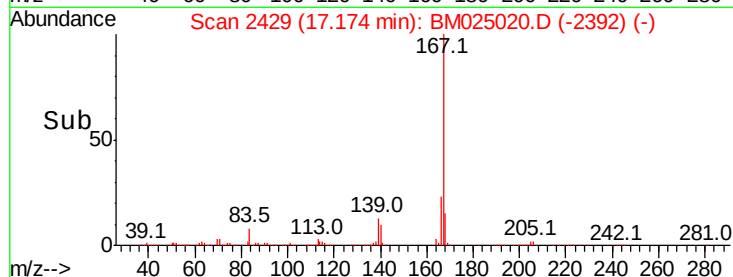
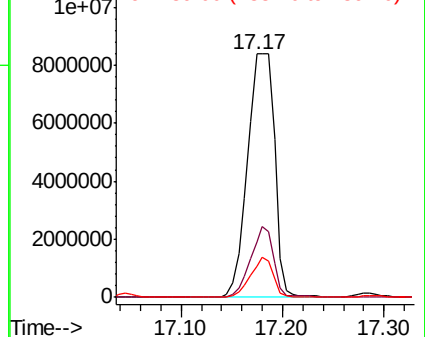
139 13.0 9.3 13.9

Manual Integrations
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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: 583.346 ng/ul m

RT: 18.83 min Scan# 2710

Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

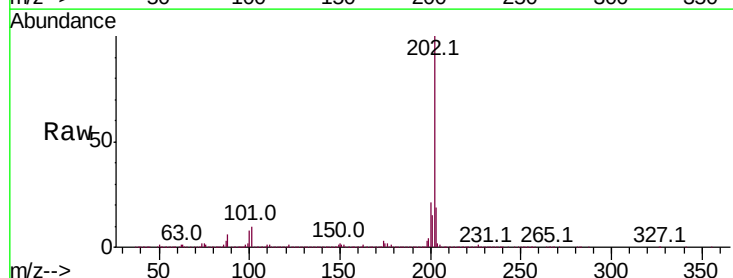
Tgt Ion:202 Resp:52912612

Ion Ratio Lower Upper

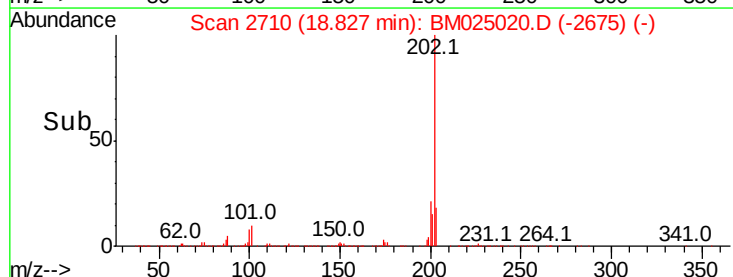
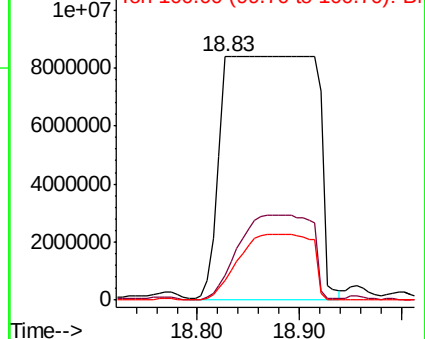
202 100

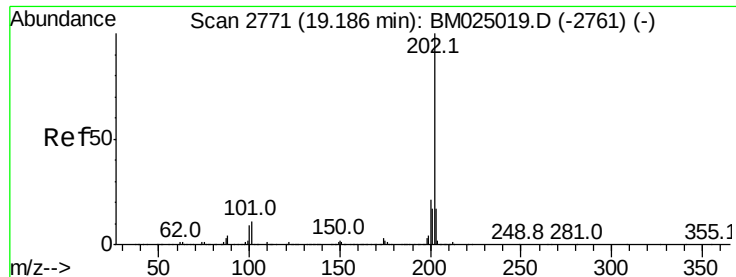
101 10.4 6.1 9.1#

100 8.0 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: 463.188 ng/ul m

RT: 19.20 min Scan# 2774

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

Tot Ion:202 Resp:46301976

Ion Ratio Lower Upper

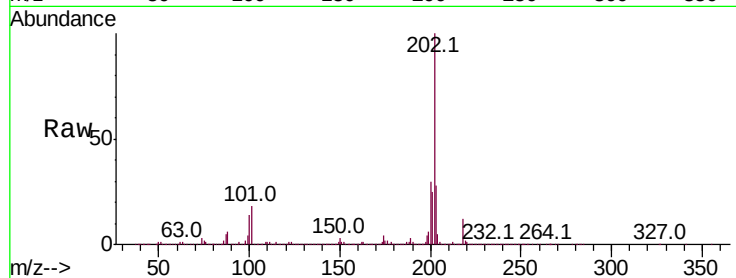
202 100

101 17.5 7.0 10.4#

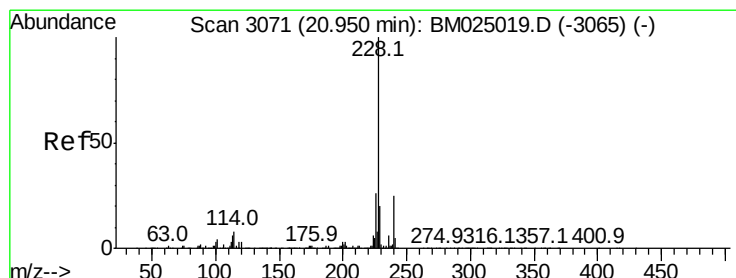
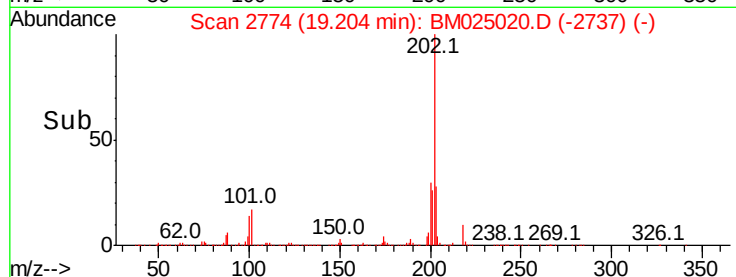
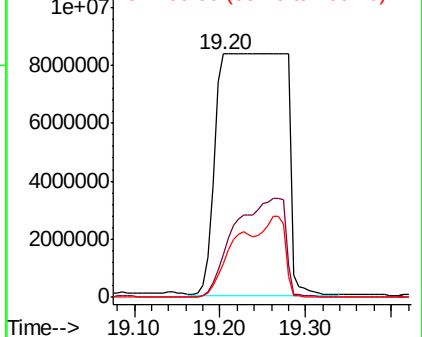
100 14.1 5.8 8.8#

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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



#83

Benzo(a)anthracene

Concen: 265.484 ng/ul m

RT: 20.97 min Scan# 3074

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

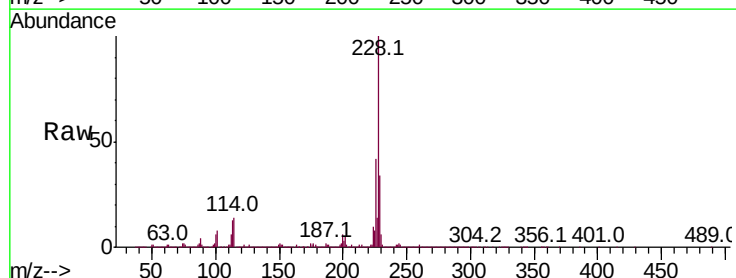
Tgt Ion:228 Resp:27006518

Ion Ratio Lower Upper

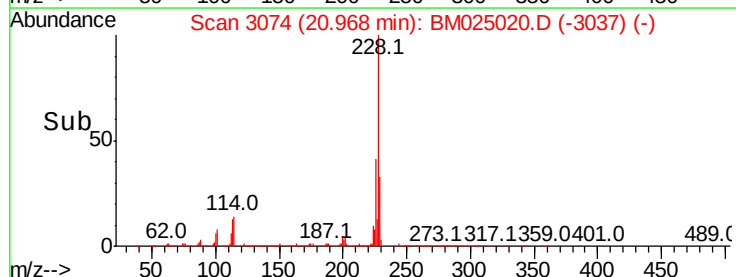
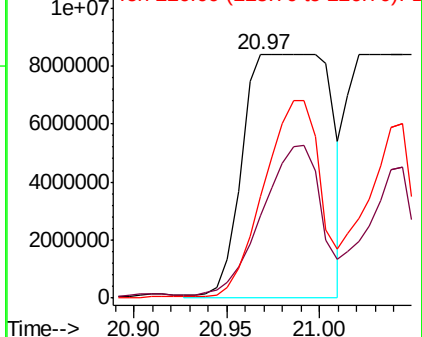
228 100

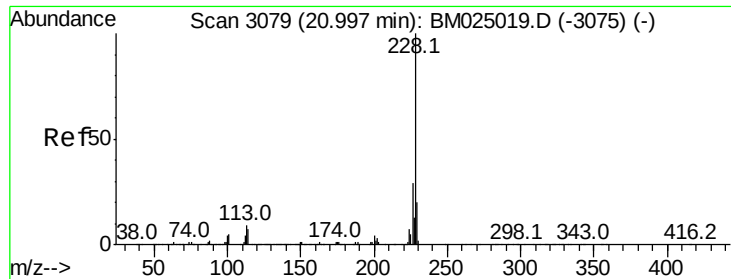
229 34.1 15.9 23.9#

226 41.7 20.8 31.2#



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





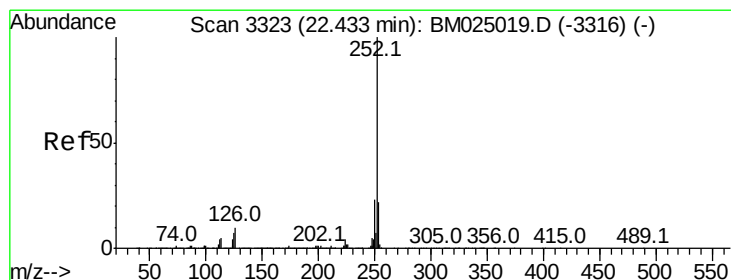
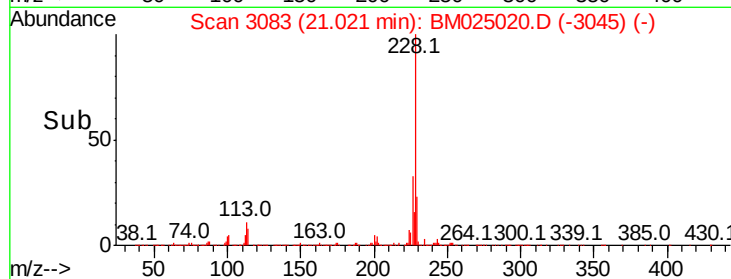
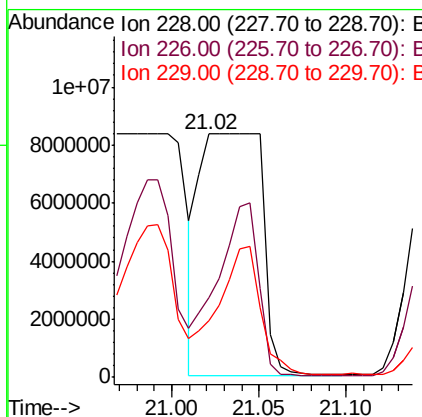
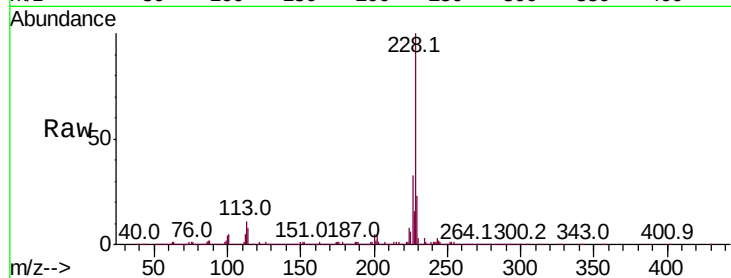
#85
Chrysene
Concen: 207.894 ng/ul m
RT: 21.02 min Scan# 3083
Delta R.T. 0.02 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Instrument :
BNA_M
ClientSampled :
DBD15

Tot Ion:228 Resp:20820489
Ion Ratio Lower Upper
228 100
226 32.7 23.0 34.4
229 23.4 15.8 23.8

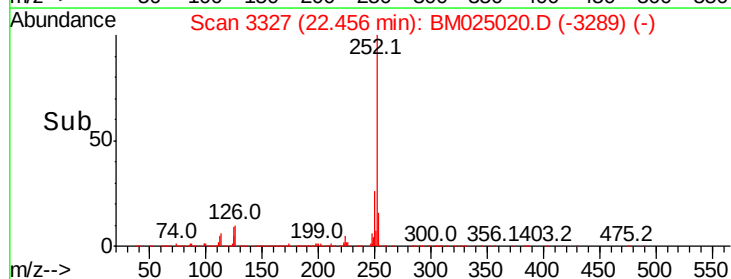
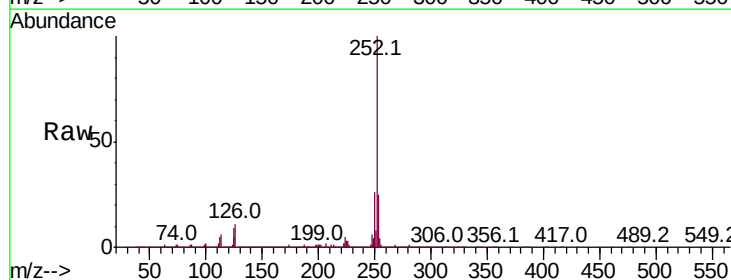
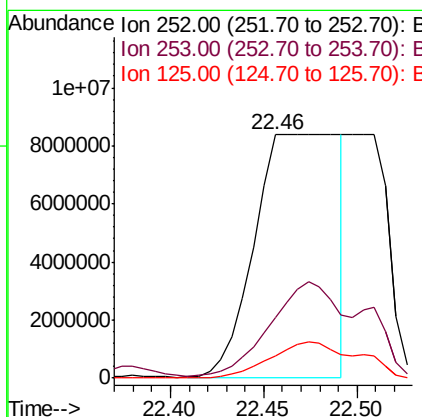
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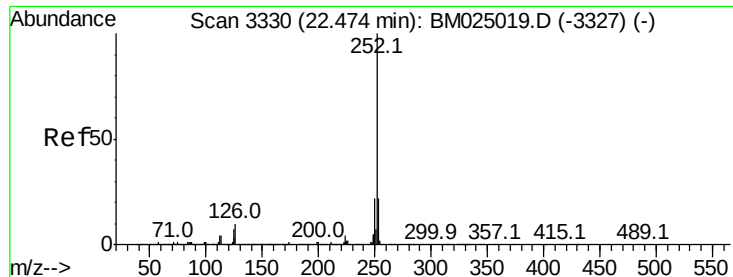
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#88
Benzo(b)fluoranthene
Concen: 223.198 ng/ul m
RT: 22.46 min Scan# 3327
Delta R.T. 0.02 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Tgt Ion:252 Resp:26453360
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 9.3 5.1 7.7#





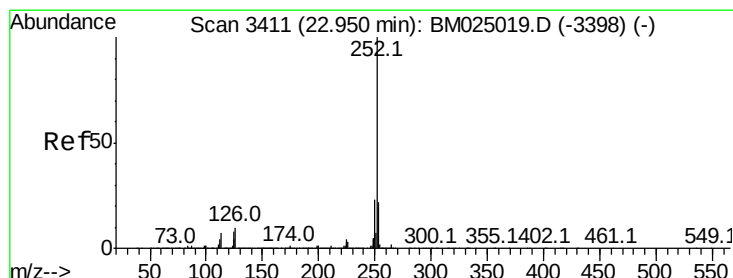
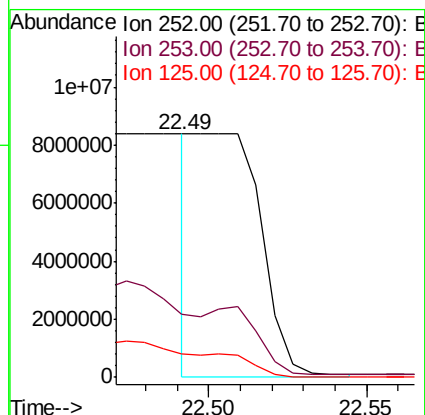
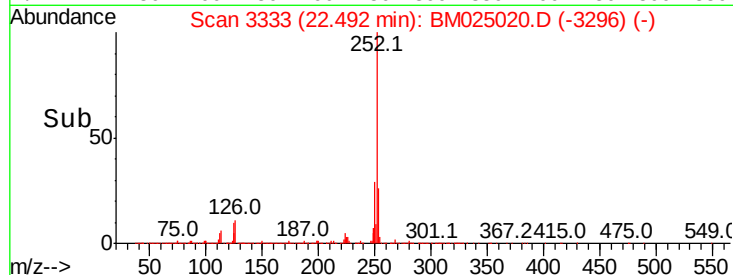
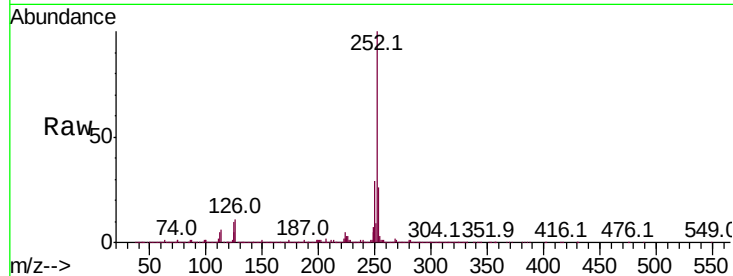
#89
Benzo(k)fluoranthene
Concen: 107.591 ng/ul m
RT: 22.49 min Scan# 3333
Delta R.T. 0.02 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Instrument :
BNA_M
ClientSampleId :
DBD15

Tot Ion:252 Resp:12273693
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0#
125 9.8 5.1 7.7#

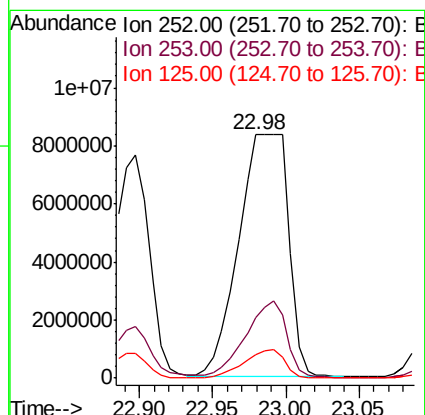
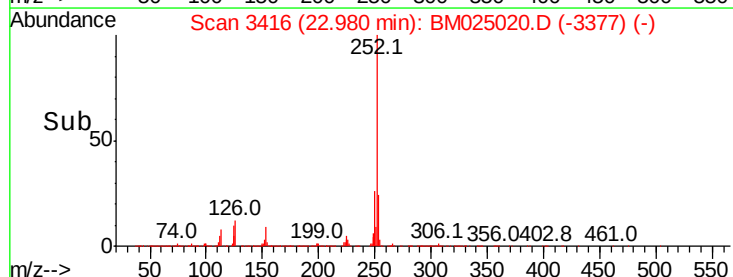
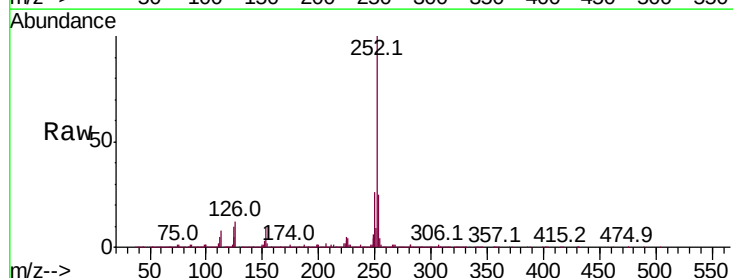
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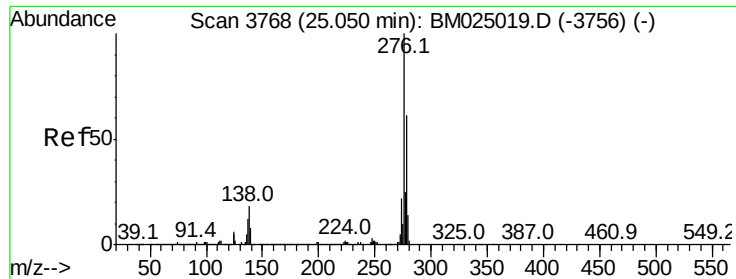
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#91
Benzo(a)pyrene
Concen: 185.351 ng/ul m
RT: 22.98 min Scan# 3416
Delta R.T. 0.03 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Tgt Ion:252 Resp:19694836
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 9.6 5.6 8.4#





#92

Indeno(1,2,3-cd)pyrene

Concen: 55.523 ng/ul

RT: 25.08 min Scan# 3773

Delta R.T. 0.03 min

Lab File: BM025020.D

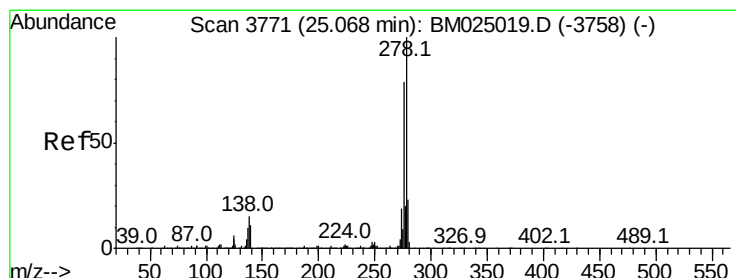
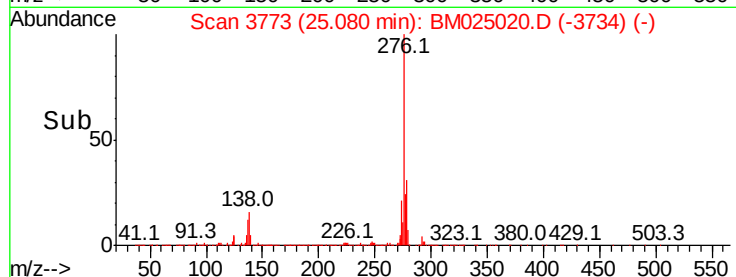
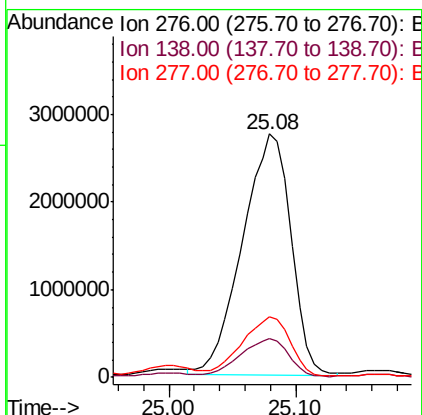
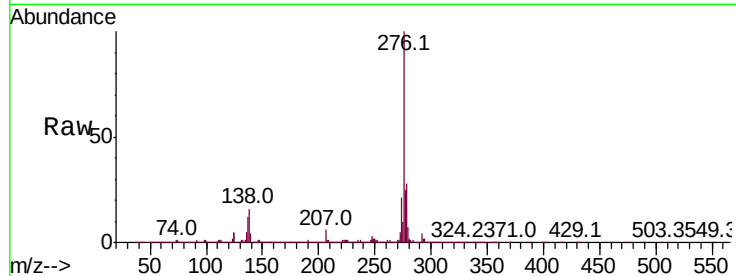
Acq: 22 Feb 2020 11:08

Instrument :
BNA_M
ClientSampleId :
DBD15

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	12.8	19.2
277	24.7	19.3	28.9

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#93

Dibenzo(a,h)anthracene

Concen: 18.285 ng/ul

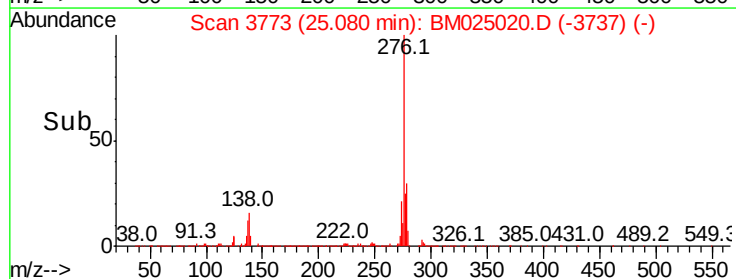
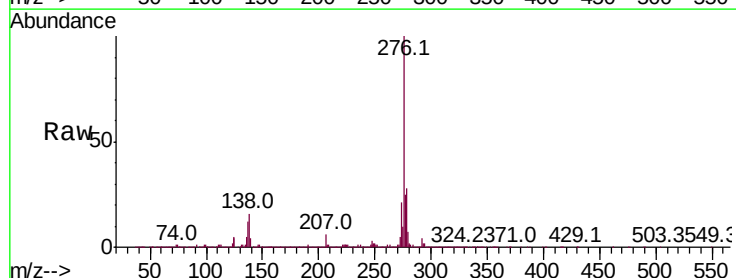
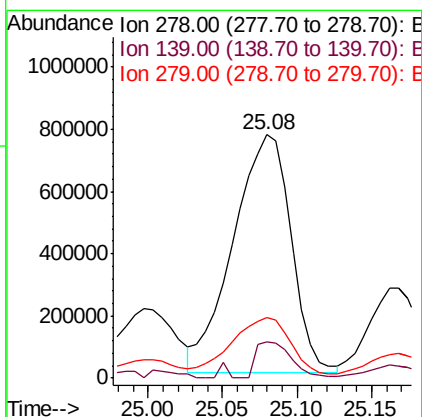
RT: 25.08 min Scan# 3773

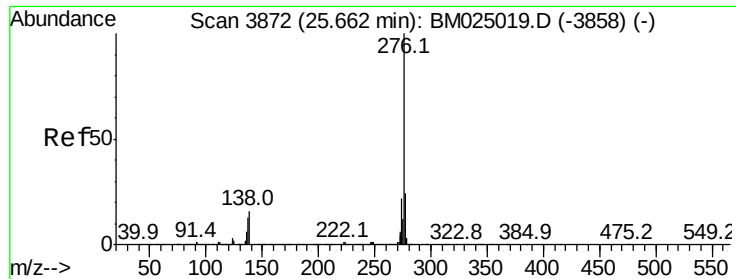
Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.2	8.4	12.6#
279	25.0	18.5	27.7





#94

Benzo(a,h,i)perylene

Concen: 47.884 ng/ul

RT: 25.69 min Scan# 3876

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

Tot Ion:276 Resp: 5268235

Ion Ratio Lower Upper

276 100

138 15.7 11.8 17.6

277 24.7 19.0 28.6

Manual Integrations

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