

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020782.D
 Acq On : 07 Jun 2019 02:26
 Operator : HP/JU
 Sample : K3201-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:14:48 PM

Quant Time: Jun 07 06:46:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 07 06:35:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	295489	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1200354	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	686172	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1468808	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1428571	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1645809	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	32550	5.25	ng/uL	0.00
5) Phenol-d5	6.97	99	648493	28.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	412462	30.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	561278	31.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	479912	26.38	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	272902	33.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	297528	35.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	556856	31.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	493270	23.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1665463	32.81	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2085878	32.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	222733	25.57	ng/ul	0.00
57) Fluorene-d10	15.45	176	1406395	32.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	144354	19.22	ng/ul	0.00
70) Anthracene-d10	17.29	188	2121065	33.06	ng/ul	0.00
78) Pyrene-d10	19.59	212	2195327	31.79	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	2376116	31.77	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.00	94	50466	2.168	ng/ul 97
14) Acetophenone	8.63	105	29039	1.033	ng/ul 95
28) Naphthalene	10.65	128	162624	2.885	ng/ul 99
34) 2-Methylnaphthalene	12.26	142	70139	1.694	ng/ul 98
44) Dimethylphthalate	13.90	163	574862	11.311	ng/ul 99
47) Acenaphthylene	14.17	152	344745	5.537	ng/ul 98
49) Acenaphthene	14.51	153	257896	5.933	ng/ul 98
53) Dibenzofuran	14.85	168	212114	3.450	ng/ul 100
58) Fluorene	15.50	166	286218	5.799	ng/ul 97
69) Phenanthrene	17.24	178	5873154	79.451	ng/ul 98
71) Anthracene	17.33	178	1169896	15.440	ng/ul 99
74) Carbazole	17.60	167	483637	7.340	ng/ul 98
76) Fluoranthene	19.26	202	10521678	124.205	ng/ul 99
79) Pyrene	19.62	202	9526495	108.031	ng/ul 98
82) Benzo(a)anthracene	21.36	228	5437318	61.014	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.29	149	251407	4.148	ng/ul 100
84) Chrysene	21.41	228	5202148	62.910	ng/ul 97
87) Benzo(b)fluoranthene	22.97	252	6860683	71.658	ng/ul 98
88) Benzo(k)fluoranthene	23.02	252	2136135m	23.343	ng/ul
90) Benzo(a)pyrene	23.56	252	4662362	51.186	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.97	276	3058422	28.429	ng/ul 96
92) Dibenzo(a,h)anthracene	25.98	278	867761	9.519	ng/ul# 92
93) Benzo(g,h,i)perylene	26.69	276	2346950	26.890	ng/ul 98

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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

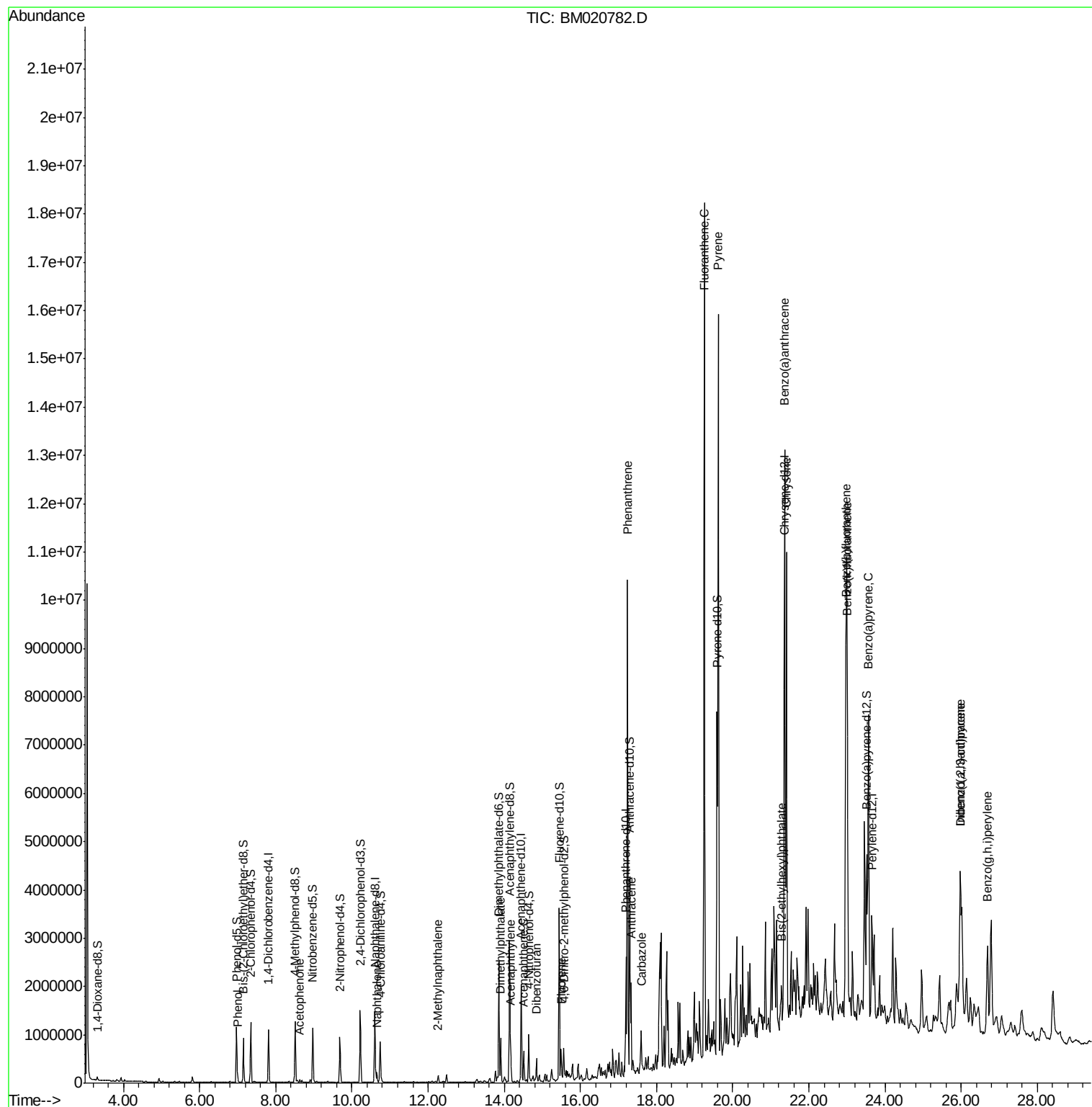
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
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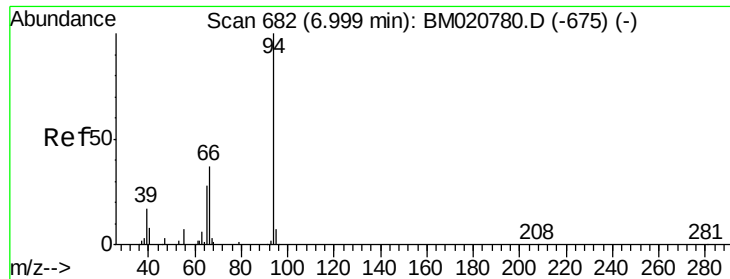
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#6

Phenol

Concen: 2.168 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

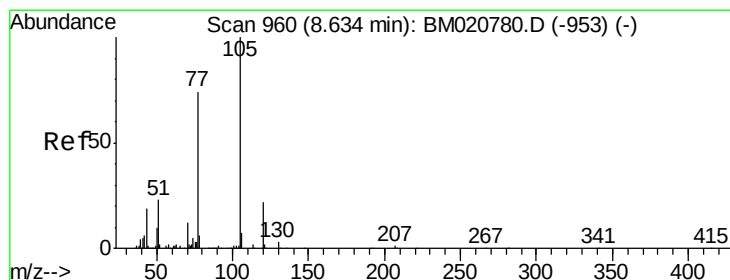
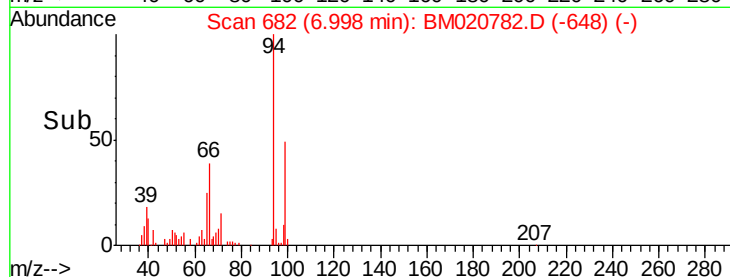
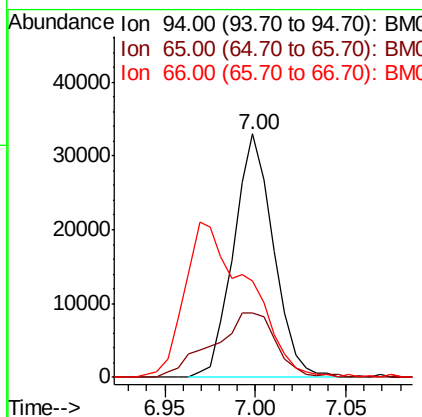
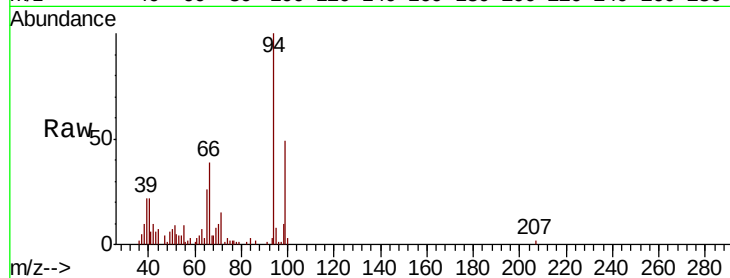
ClientSampleId :

C0AC5

Tot Ion:	94	Resp:	50466
Ion	Ratio	Lower	Upper
94	100		
65	26.4	23.3	34.9
66	39.4	32.1	48.1

Manual Integrations
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#14

Acetophenone

Concen: 1.033 ng/ul

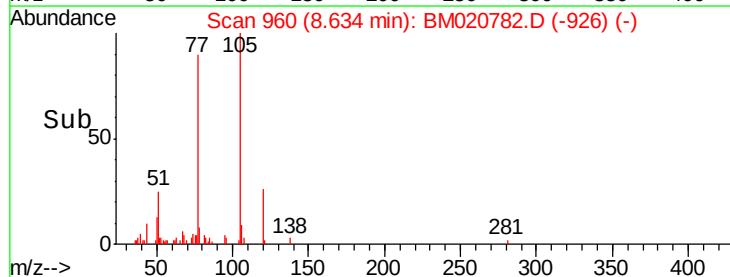
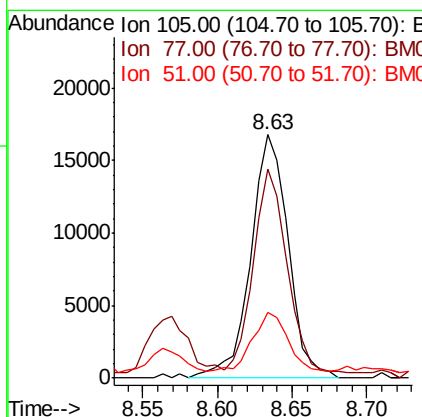
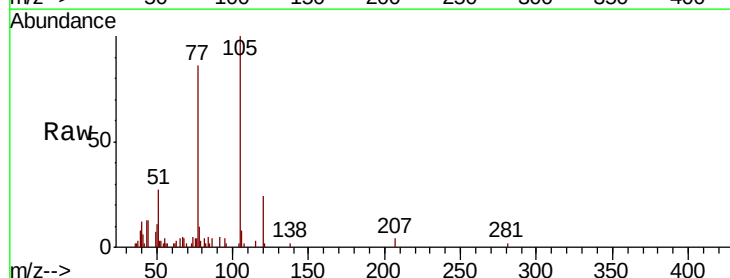
RT: 8.63 min Scan# 960

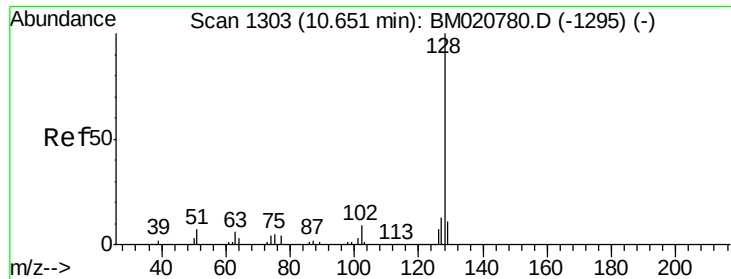
Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Tgt Ion:	105	Resp:	29039
Ion	Ratio	Lower	Upper
105	100		
77	86.1	64.6	97.0
51	27.2	21.4	32.2





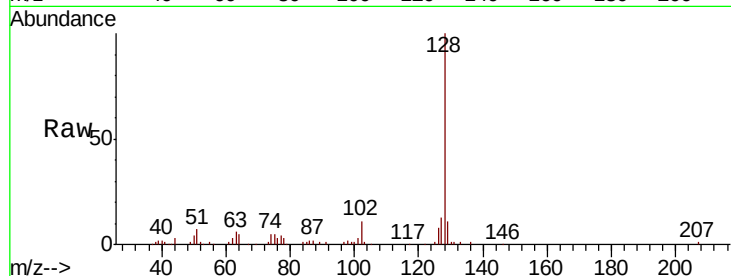
#28
Naphthalene
Concen: 2.885 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Instrument :
BNA_M
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.0	10.2	15.2

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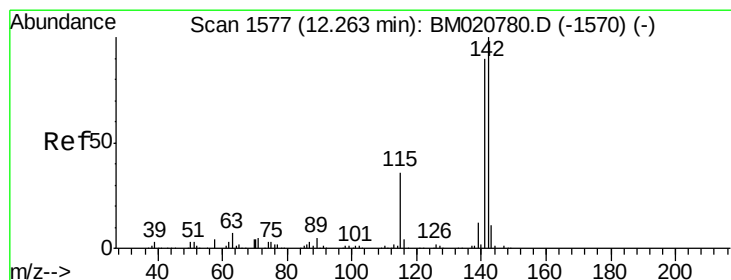
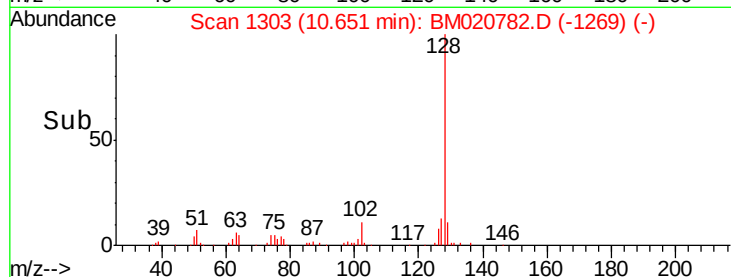
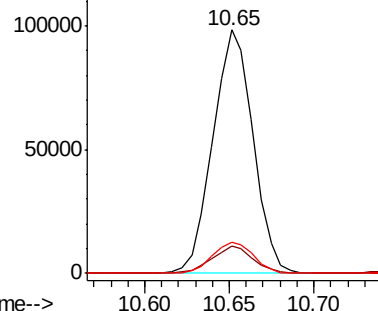


Abundance

Ion 128.00 (127.70 to 128.70): E

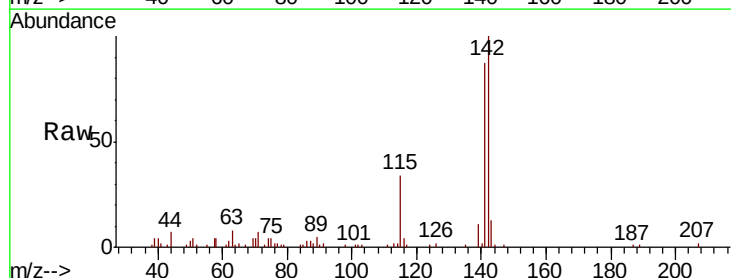
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 1.694 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

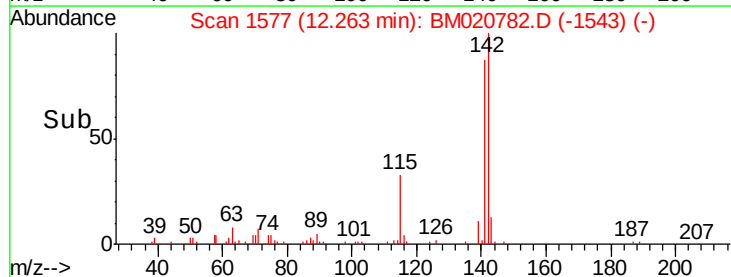
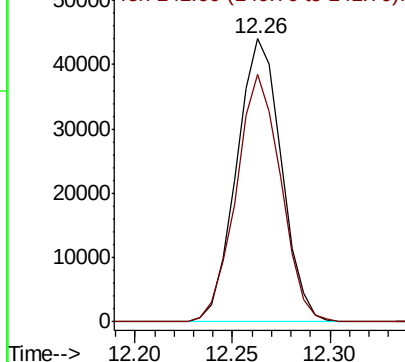
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.4	107.0

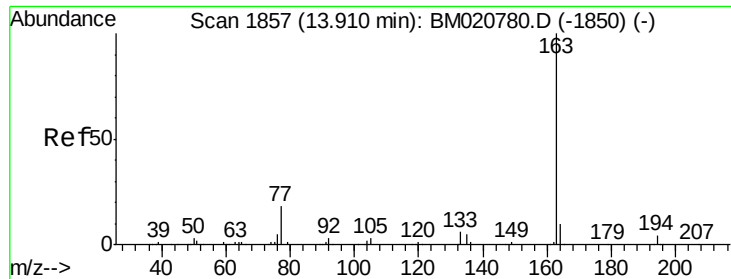


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 11.311 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

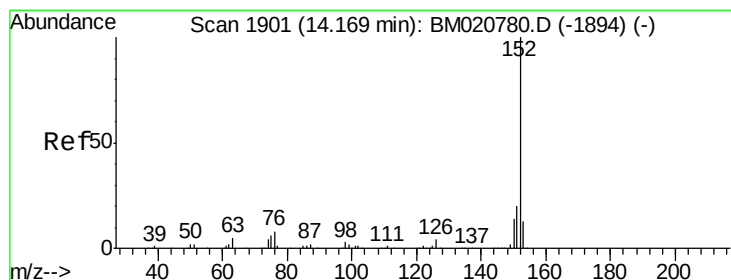
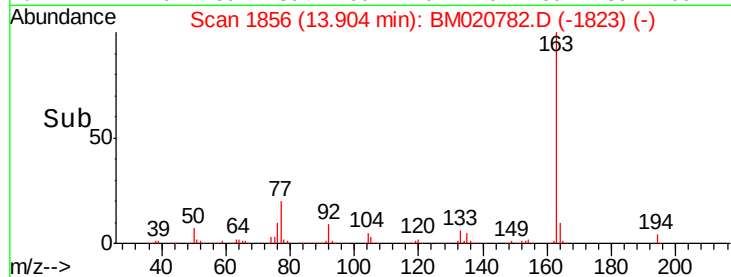
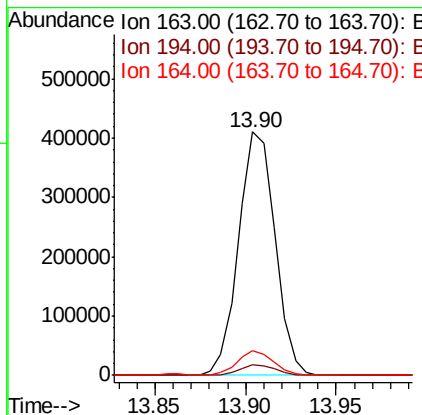
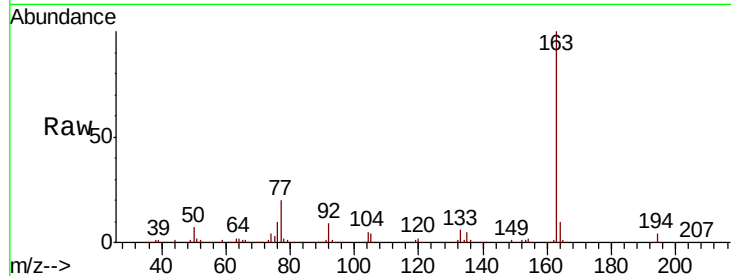
ClientSampled :

C0AC5

Tot Ion:	163	Resp:	574862
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.2	4.8
164	10.1	8.0	12.0

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#47

Acenaphthylene

Concen: 5.537 ng/ul

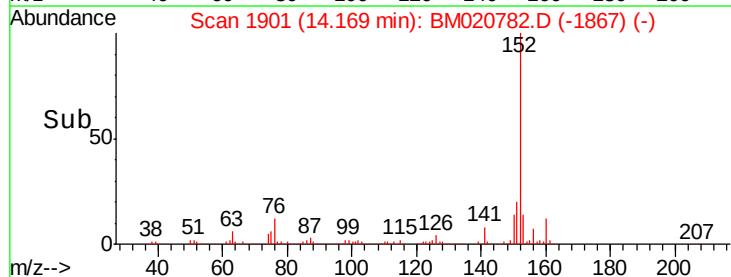
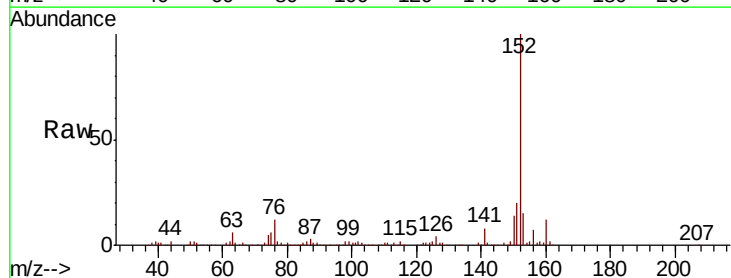
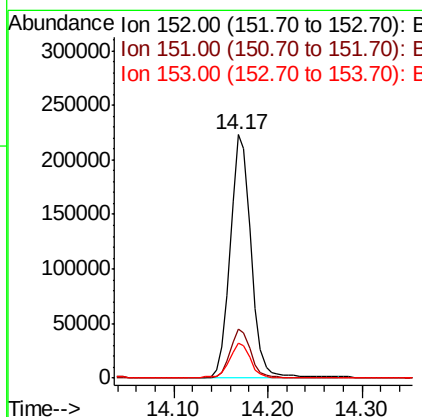
RT: 14.17 min Scan# 1901

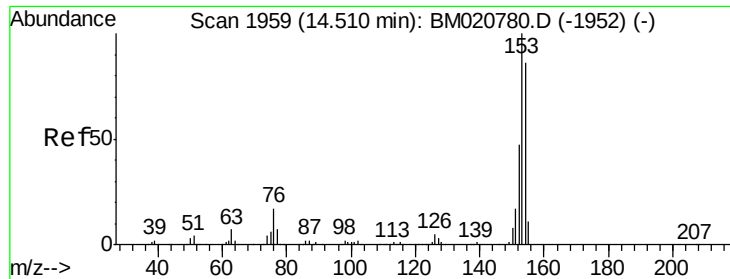
Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Tgt Ion:	152	Resp:	344745
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.2	24.2
153	14.6	10.6	15.8





#49

Acenaphthene

Concen: 5.933 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

C0AC5

Tot Ion:153 Resp: 257896

Ion Ratio Lower Upper

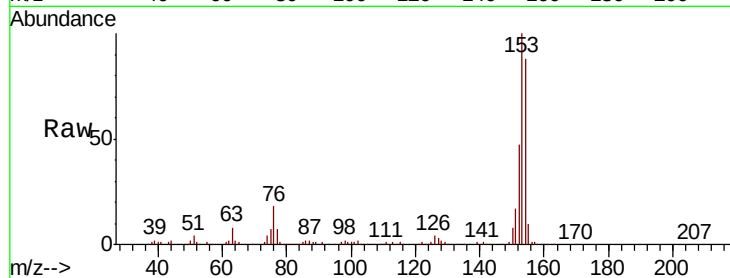
153 100

152 47.2 37.3 55.9

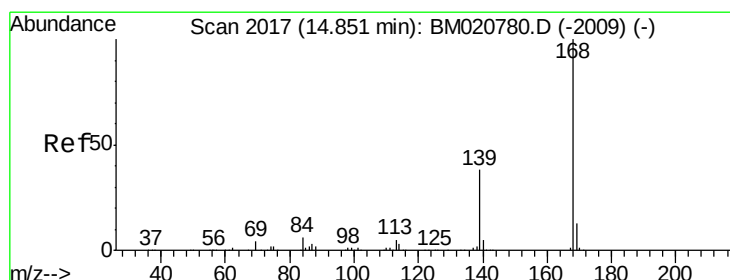
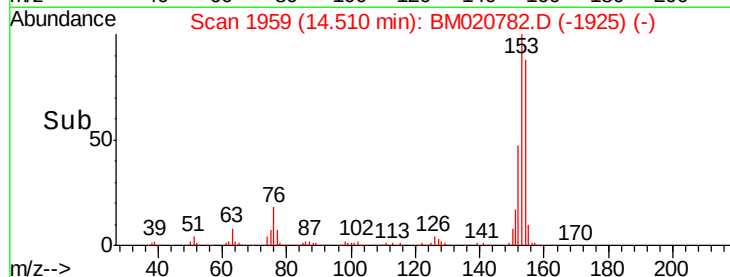
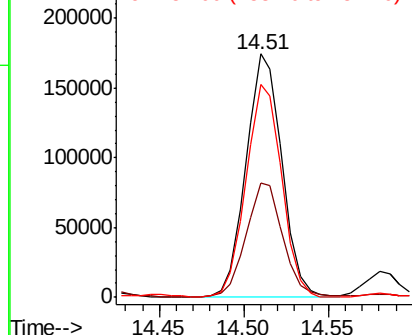
154 87.6 68.7 103.1

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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



#53

Dibenzofuran

Concen: 3.450 ng/ul

RT: 14.85 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM020782.D

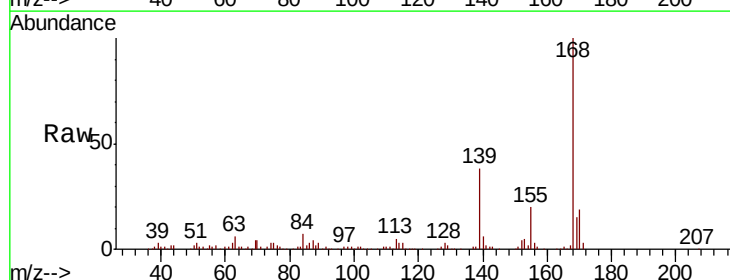
Acq: 07 Jun 2019 02:26

Tgt Ion:168 Resp: 212114

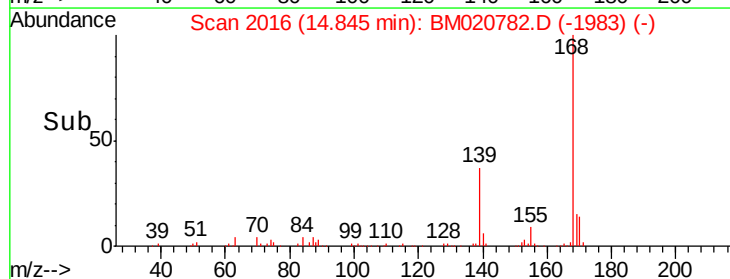
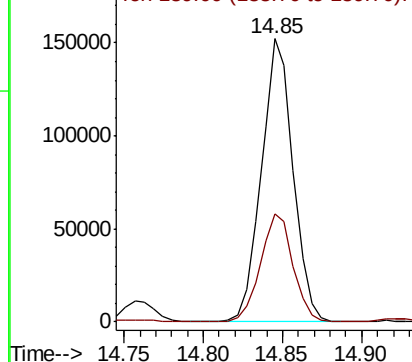
Ion Ratio Lower Upper

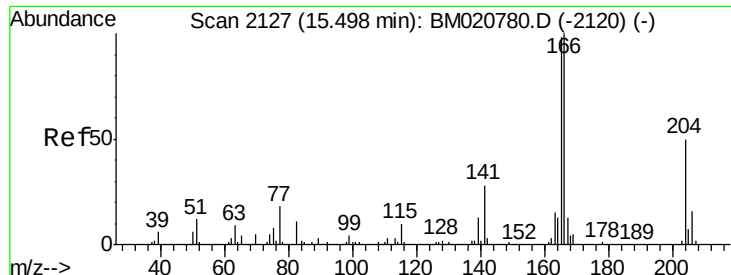
168 100

139 38.0 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





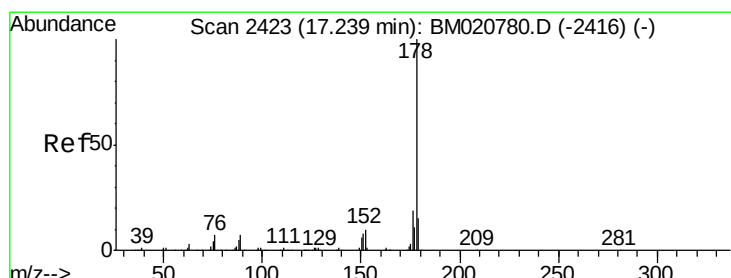
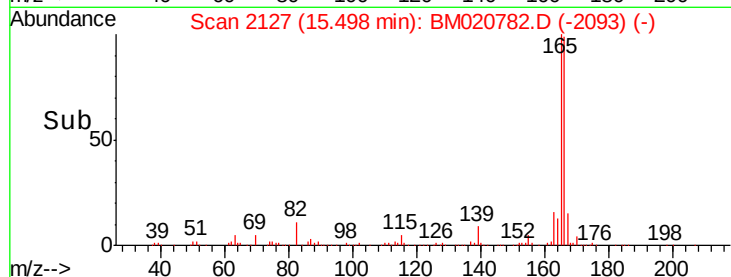
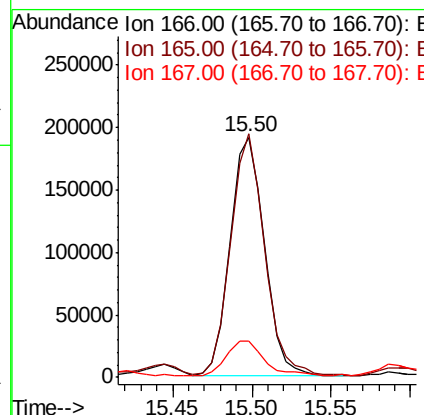
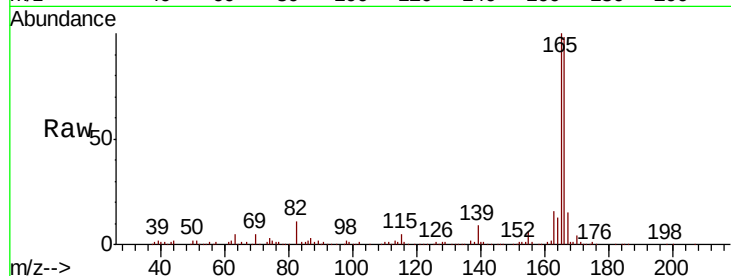
#58
 Fluorene
 Concen: 5.799 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

Instrument :
 BNA_M
 ClientSampled :
 C0AC5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.5	78.6	117.8		
167	15.0	10.8	16.2		

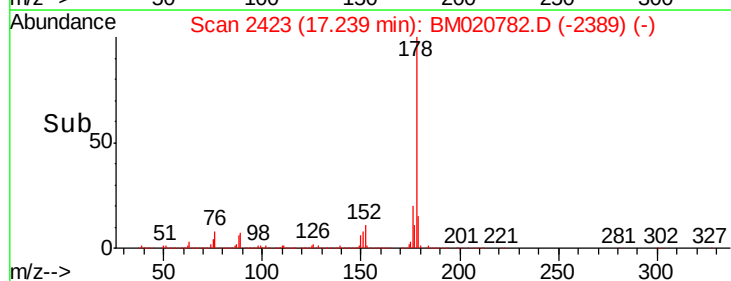
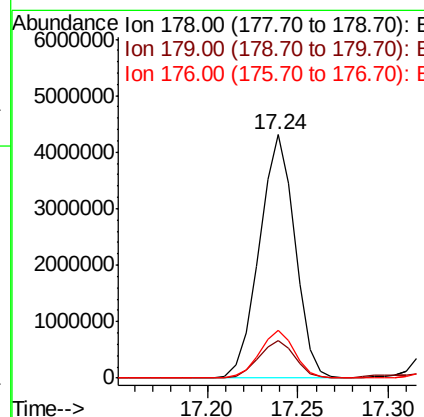
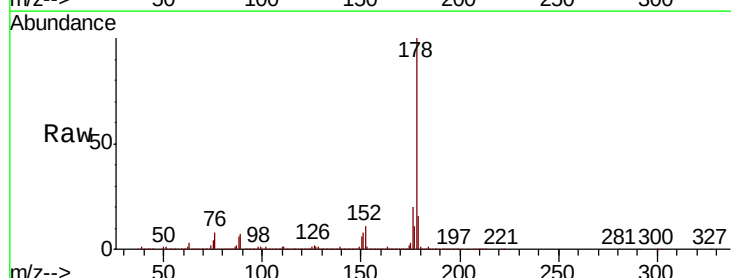
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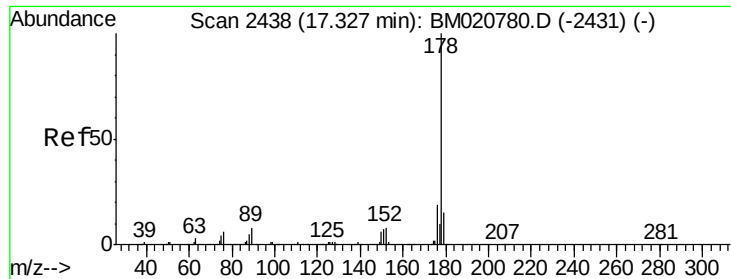
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#69
 Phenanthrene
 Concen: 79.451 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.00 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
179	15.5	12.3	18.5		
176	19.7	14.8	22.2		





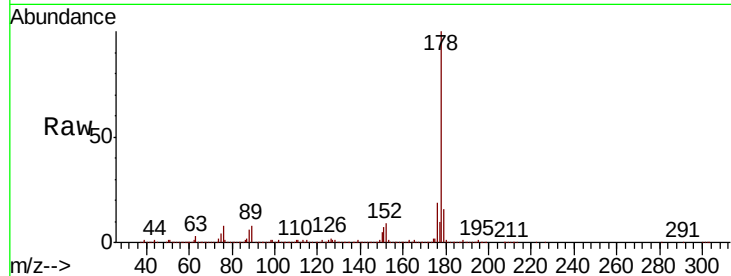
#71
 Anthracene
 Concen: 15.440 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	18.6	14.9	22.3

Manual Integrations
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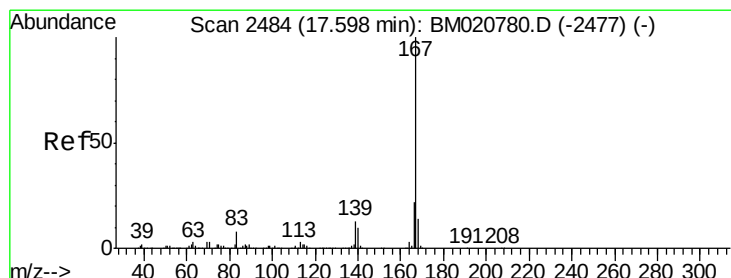
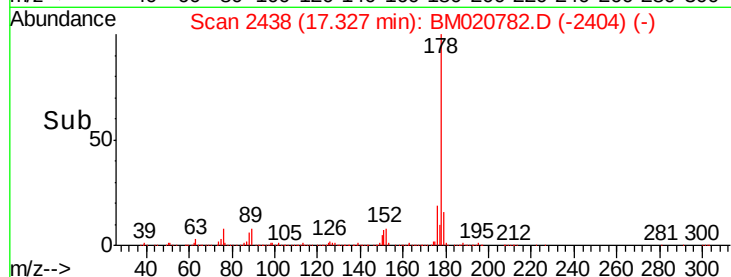
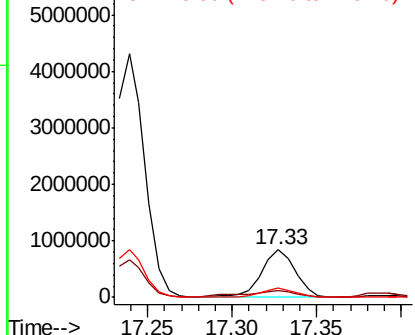


Abundance

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



#74
 Carbazole
 Concen: 7.340 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

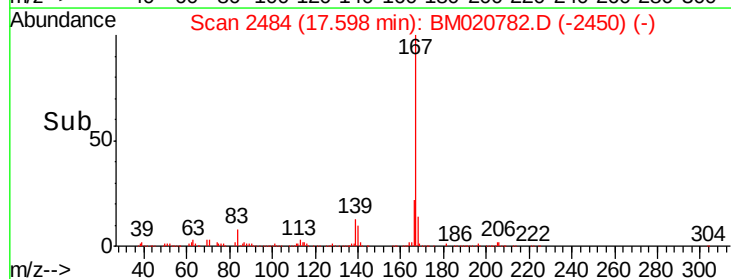
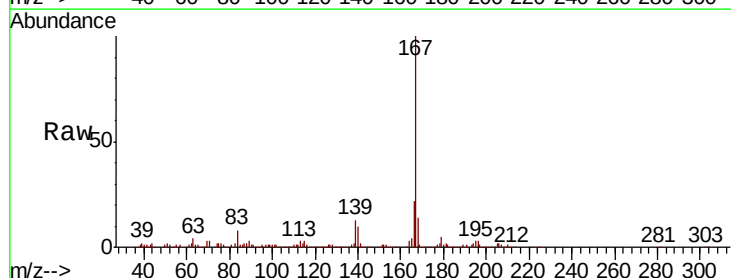
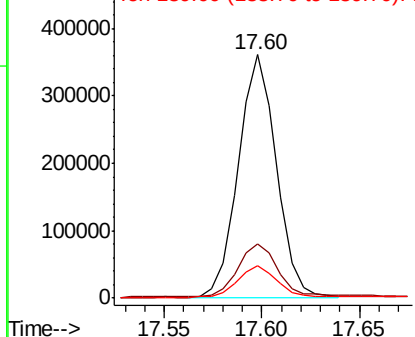
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.0	25.6
139	13.3	10.5	15.7

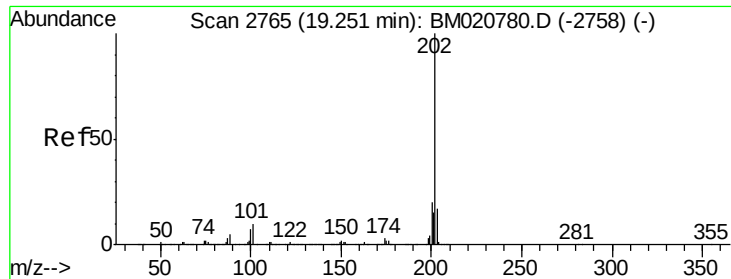
Abundance

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





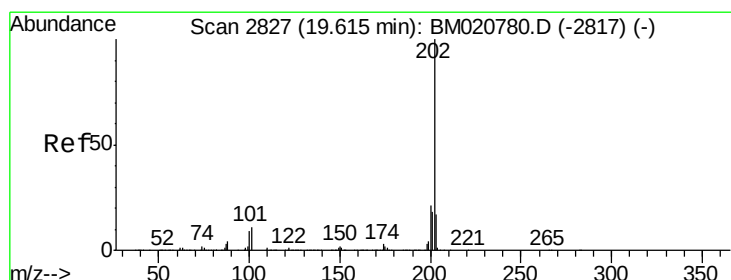
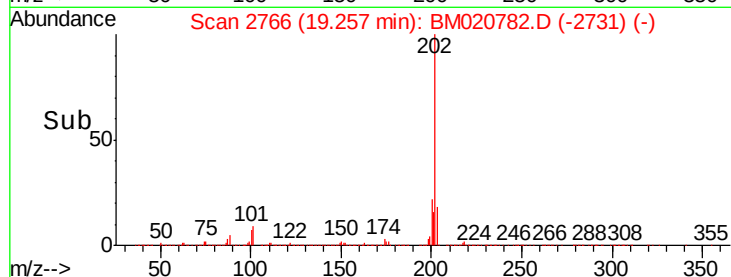
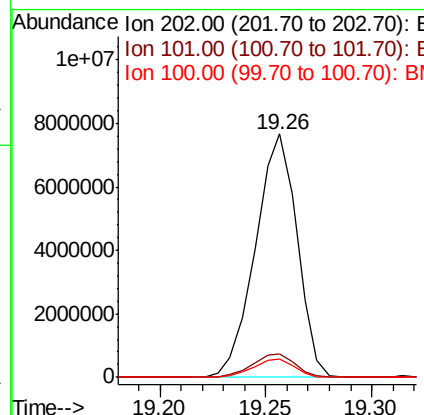
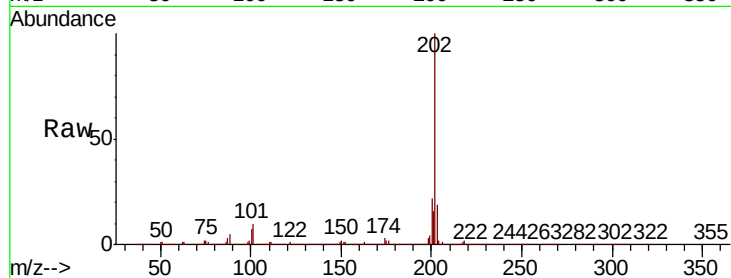
#76
Fluoranthene
Concen: 124.205 ng/ul
RT: 19.26 min Scan# 2766
Delta R.T. 0.01 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Instrument :
BNA_M
ClientSampled :
C0AC5

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.9	11.9
100	7.4	6.2	9.4

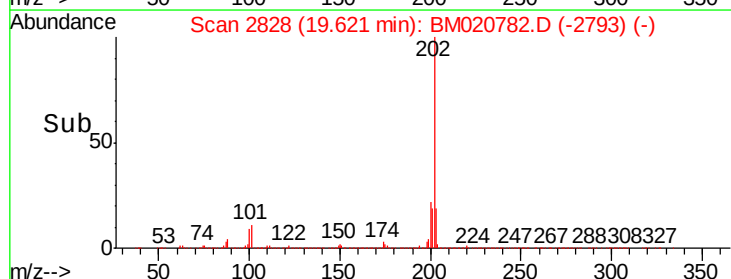
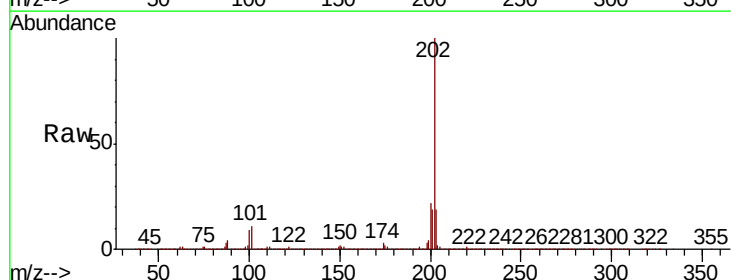
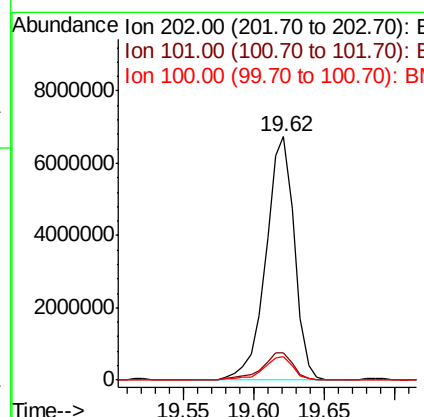
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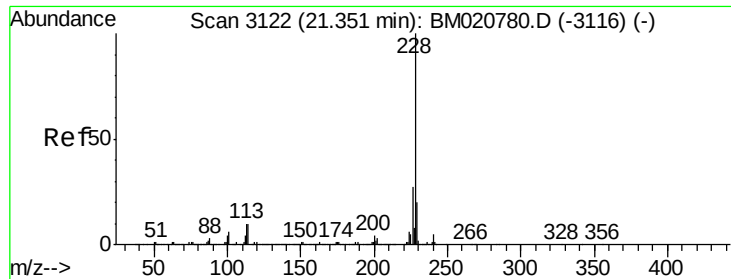
mohammad
6/7/2019 2:14:48 PM



#79
Pyrene
Concen: 108.031 ng/ul
RT: 19.62 min Scan# 2828
Delta R.T. 0.01 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.8	14.6
100	9.4	8.0	12.0





#82

Benzo(a)anthracene

Concen: 61.014 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

C0AC5

Tot Ion:228 Resp: 5437318

Ion Ratio Lower Upper

228 100

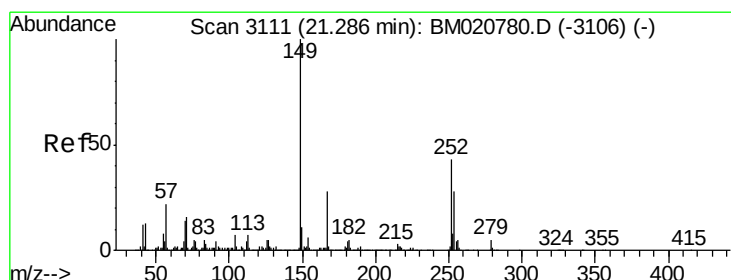
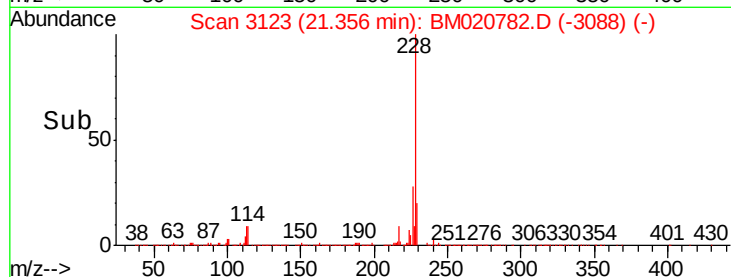
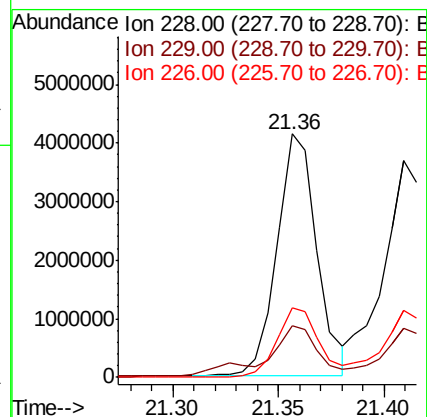
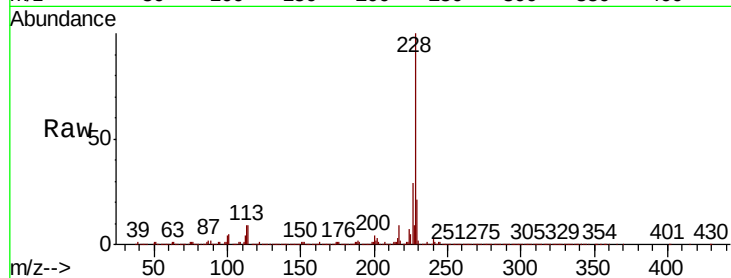
229 21.1 15.6 23.4

226 28.7 21.4 32.2

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.148 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

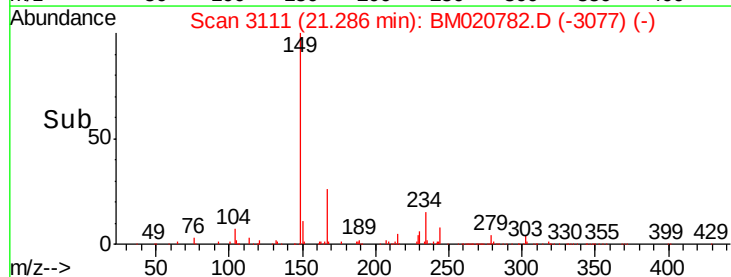
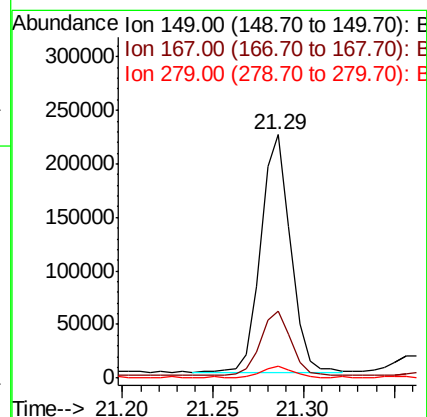
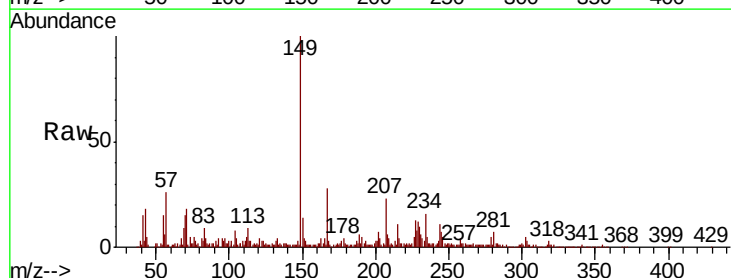
Tgt Ion:149 Resp: 251407

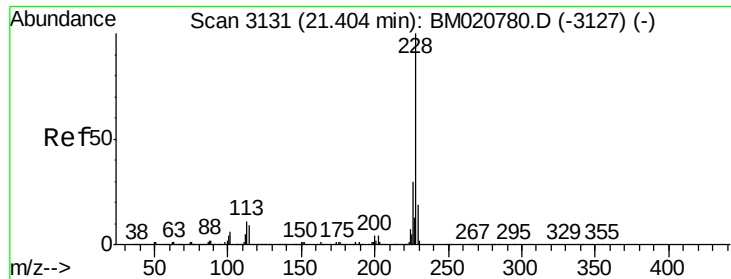
Ion Ratio Lower Upper

149 100

167 27.5 21.9 32.9

279 4.8 4.1 6.1





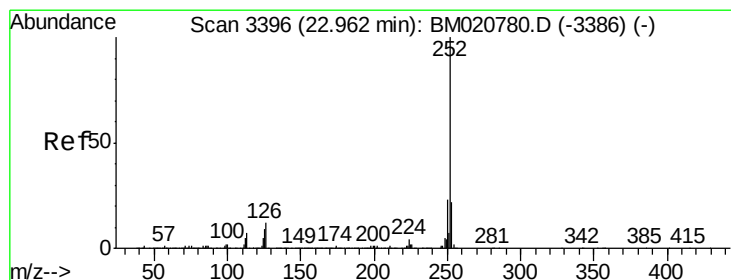
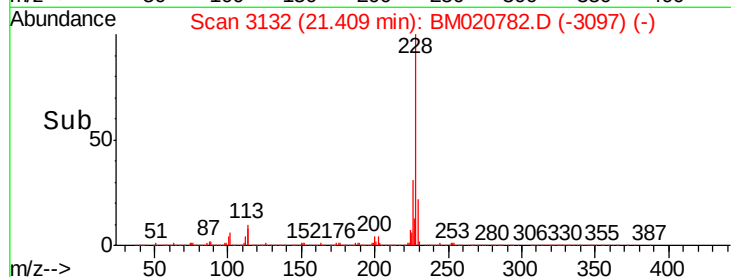
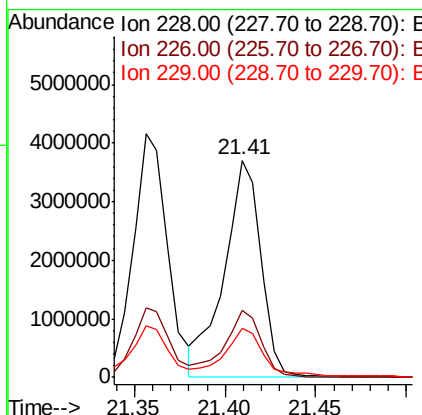
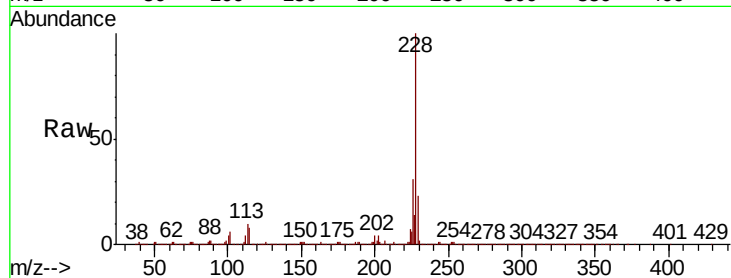
#84
Chrysene
Concen: 62.910 ng/ul
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Instrument :
BNA_M
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	22.9	16.2	24.2

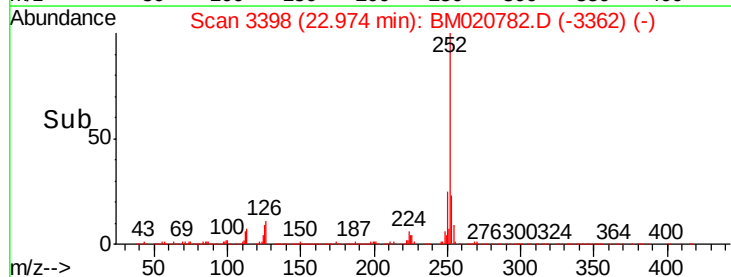
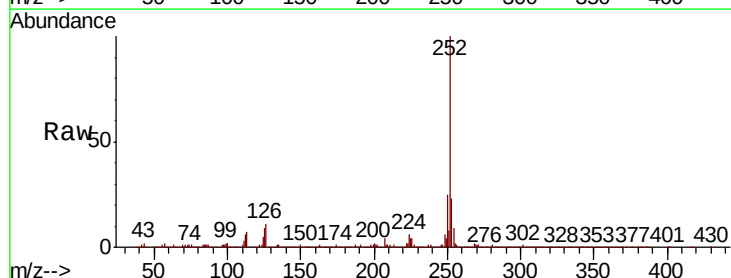
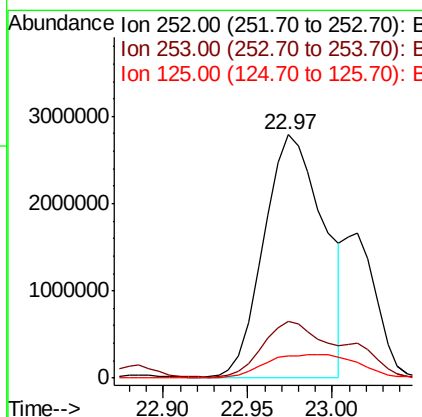
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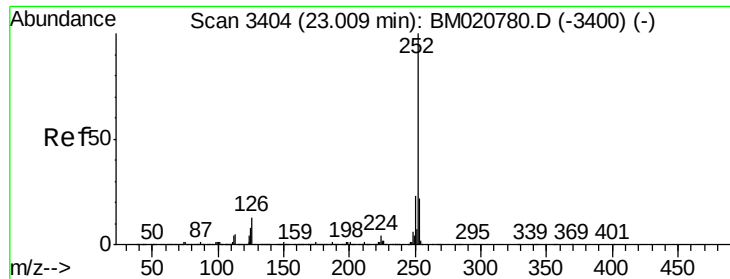
mohammad
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#87
Benzo(b)fluoranthene
Concen: 71.658 ng/ul
RT: 22.97 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.3	7.3	10.9





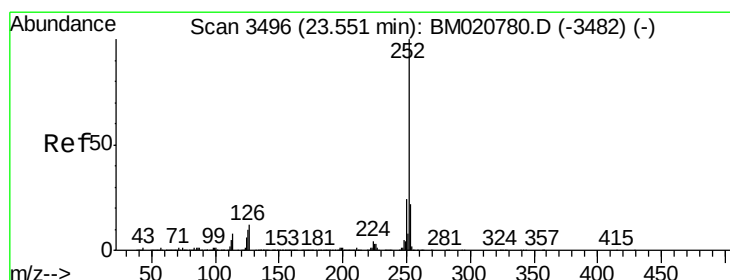
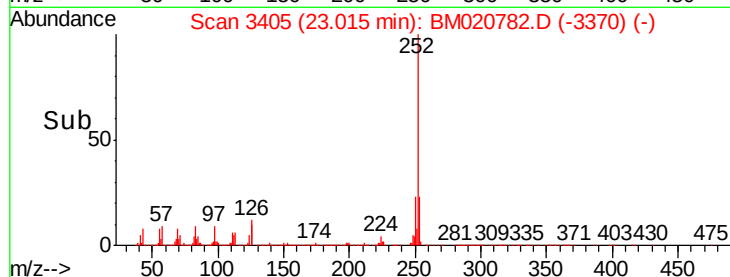
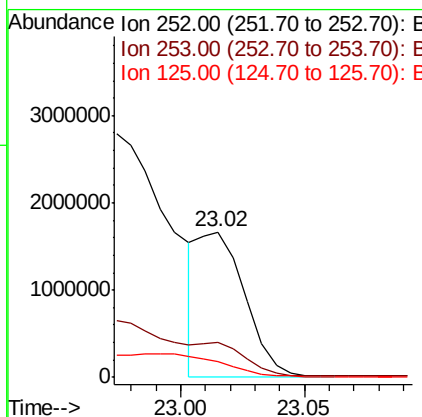
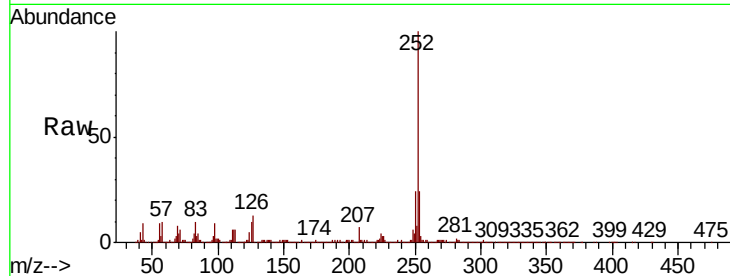
#88
Benzo(k)fluoranthene
Concen: 23.343 ng/ul m
RT: 23.02 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Instrument :
BNA_M
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	10.4	7.3	10.9

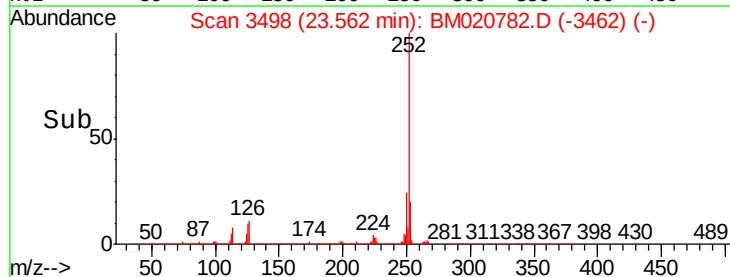
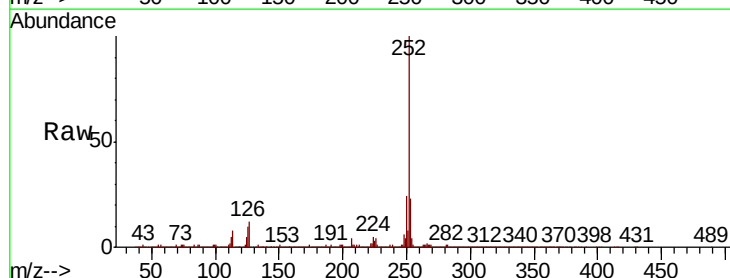
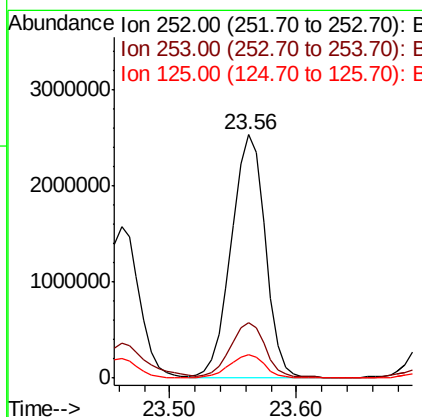
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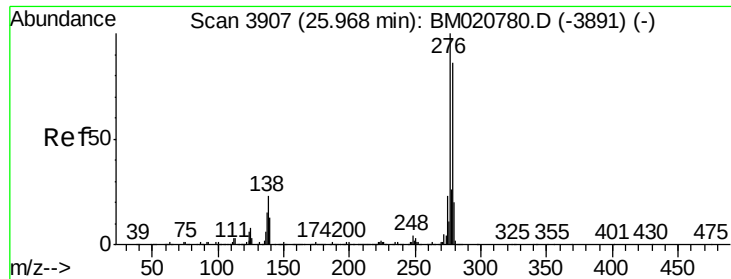
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#90
Benzo(a)pyrene
Concen: 51.186 ng/ul
RT: 23.56 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.9	8.2	12.4





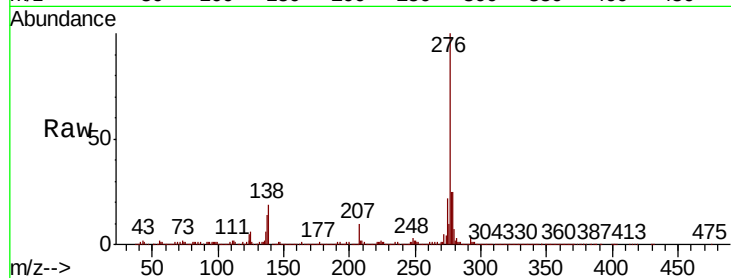
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 28.429 ng/ul
 RT: 25.97 min Scan# 3908
 Delta R.T. 0.01 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	17.8	26.8
277	24.9	20.0	30.0

Manual Integrations
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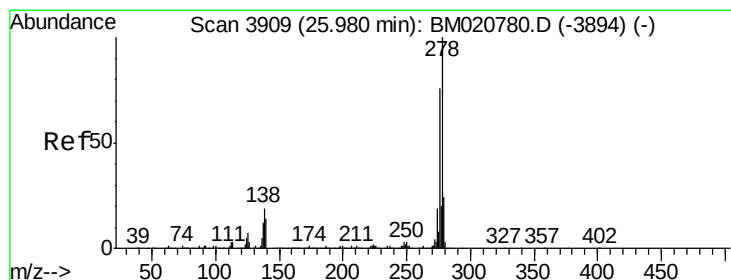
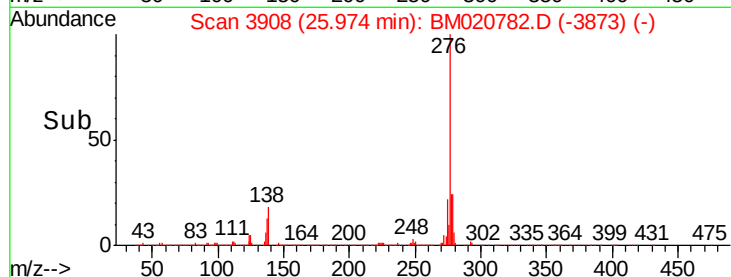
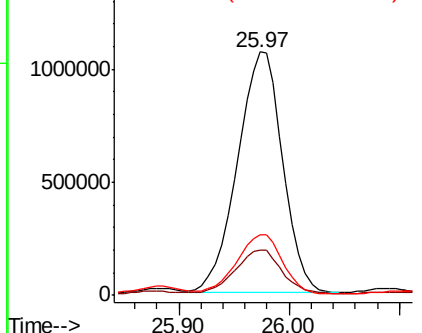


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#92
 Dibenzo(a,h)anthracene
 Concen: 9.519 ng/ul
 RT: 25.98 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

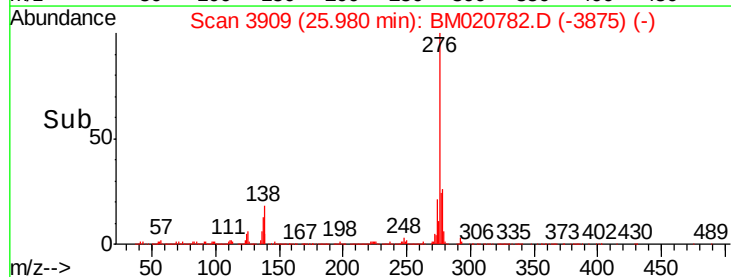
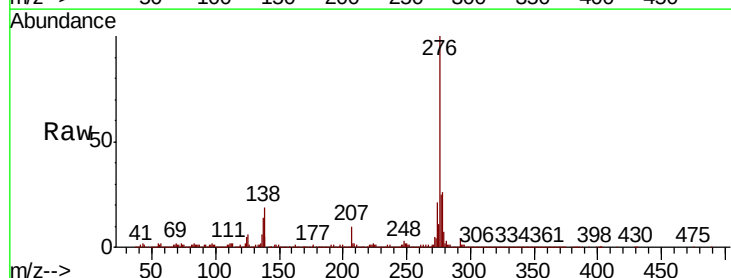
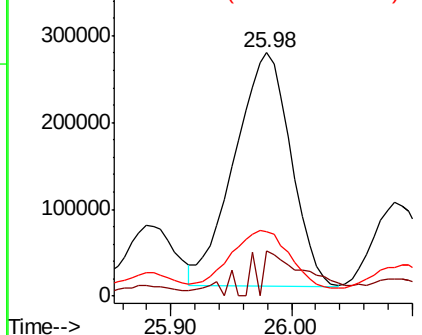
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.6	17.4#
279	26.6	18.6	28.0

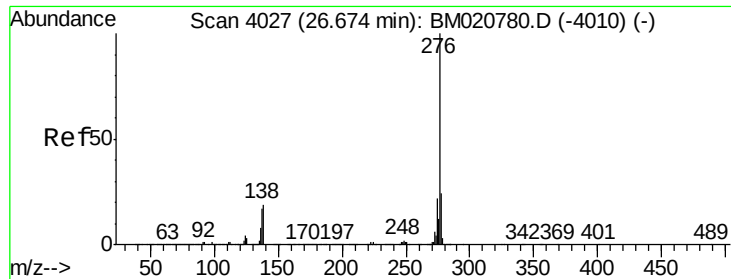
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 26.890 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.02 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

C0AC5

Tot Ion: 276 Resp: 2346950

Ion Ratio Lower Upper

276 100

138 18.6 16.6 25.0

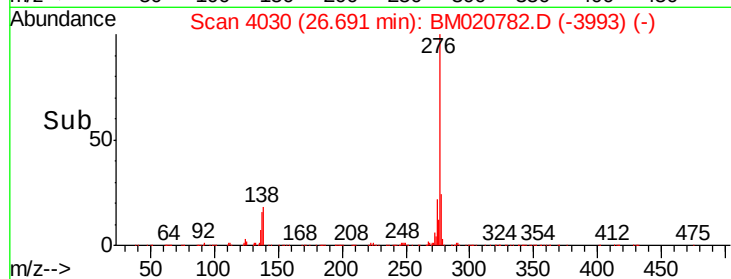
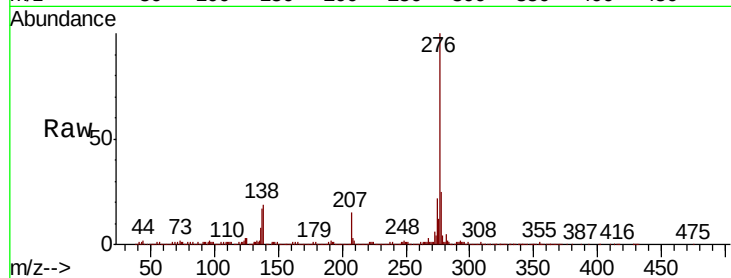
277 24.8 19.6 29.4

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

1000000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

