

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020786.D
 Acq On : 07 Jun 2019 04:50
 Operator : HP/JU
 Sample : K3201-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB6

Manual Integrations
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 6/7/2019 2:15:01 PM

Quant Time: Jun 07 06:55:45 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	358731	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1433300	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	789495	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1717436	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1668616	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1945548	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	40622	5.40	ng/uL	0.00
5) Phenol-d5	6.97	99	854333	31.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	514849	31.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	726750	33.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	691889	31.33	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	348064	35.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	389888	38.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	746048	35.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	676523	26.75	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	2197623	37.63	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2711599	36.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	276147	27.56	ng/ul	0.00
57) Fluorene-d10	15.44	176	1828829	36.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	182498	20.78	ng/ul	0.00
70) Anthracene-d10	17.29	188	2752877	36.70	ng/ul	0.00
78) Pyrene-d10	19.59	212	2830574	35.09	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	3071663	34.74	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.65	128	131212	1.949	ng/ul	98
34) 2-Methylnaphthalene	12.26	142	80927	1.637	ng/ul	96
44) Dimethylphthalate	13.91	163	877177	15.001	ng/ul	100
47) Acenaphthylene	14.17	152	452985	6.323	ng/ul	99
49) Acenaphthene	14.51	153	204080	4.081	ng/ul	97
53) Dibenzofuran	14.84	168	185217	2.618	ng/ul	98
58) Fluorene	15.50	166	197755	3.482	ng/ul	97
69) Phenanthrene	17.24	178	5307346	61.403	ng/ul	99
71) Anthracene	17.33	178	989890	11.173	ng/ul	99
74) Carbazole	17.60	167	429963	5.581	ng/ul	99
76) Fluoranthene	19.26	202	10750396	108.533	ng/ul	99
79) Pyrene	19.62	202	9928563	96.393	ng/ul	98
82) Benzo(a)anthracene	21.36	228	5749049	55.231	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.29	149	152011	2.147	ng/ul	98
84) Chrysene	21.41	228	5867010	60.744	ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	7842332	69.292	ng/ul	98
88) Benzo(k)fluoranthene	23.01	252	2736085m	25.292	ng/ul	
90) Benzo(a)pyrene	23.57	252	5365373	49.829	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.99	276	3923101	30.848	ng/ul	95
92) Dibenz(a,h)anthracene	25.99	278	1084572	10.065	ng/ul#	81
93) Benzo(a,h,i)perylene	26.70	276	3050723	29.568	ng/ul	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

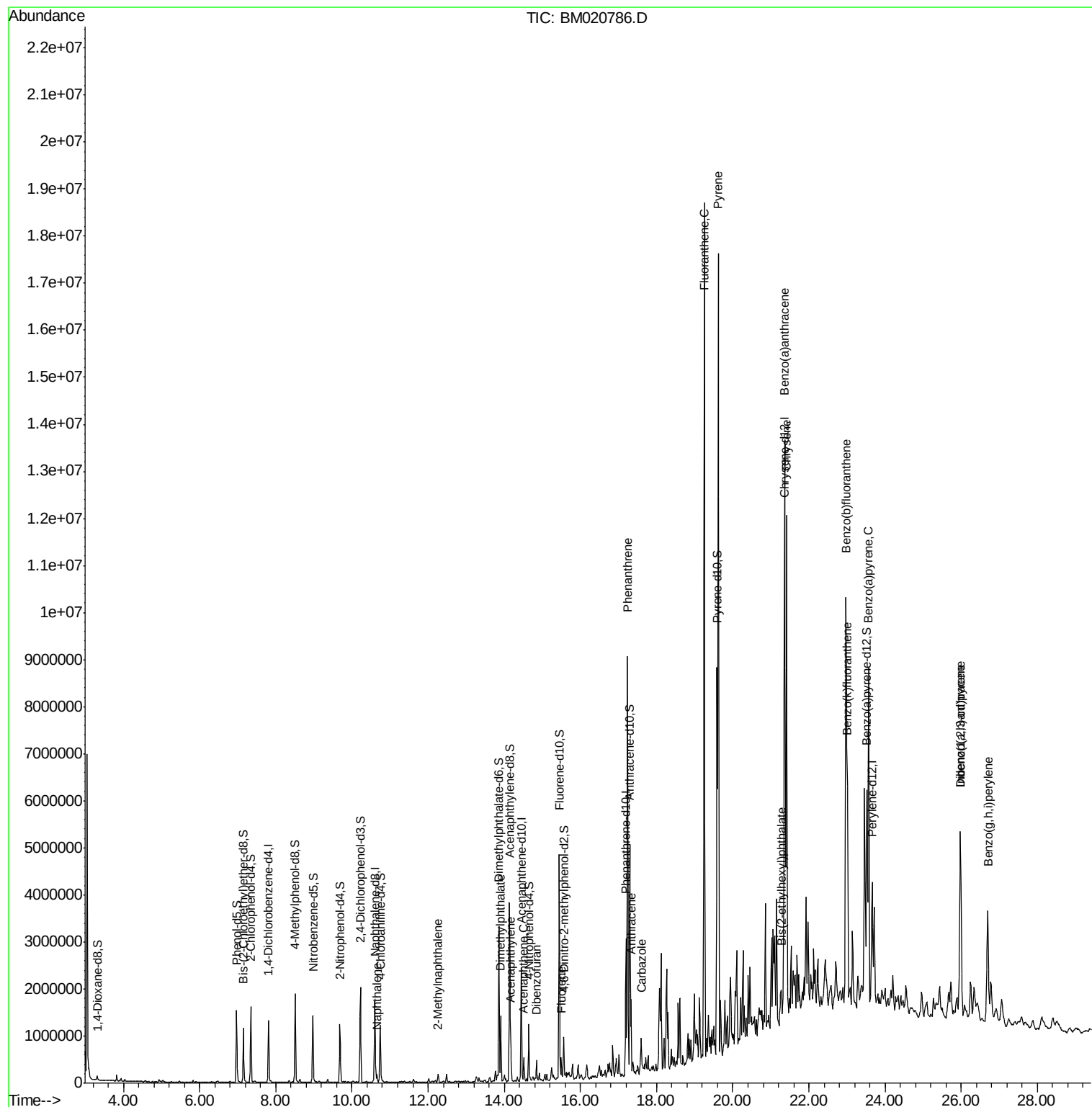
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
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ALS Vial : 21 Sample Multiplier: 1

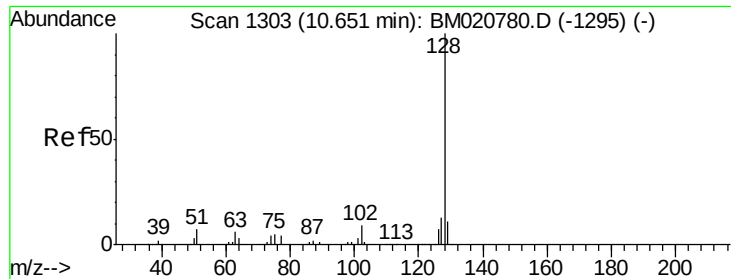
Instrument :
BNA_M
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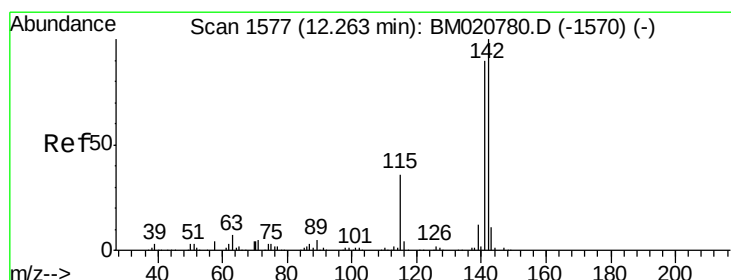
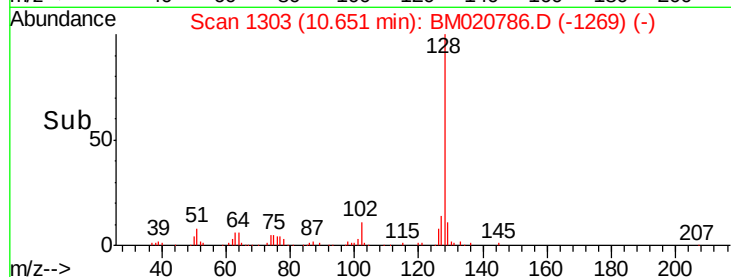
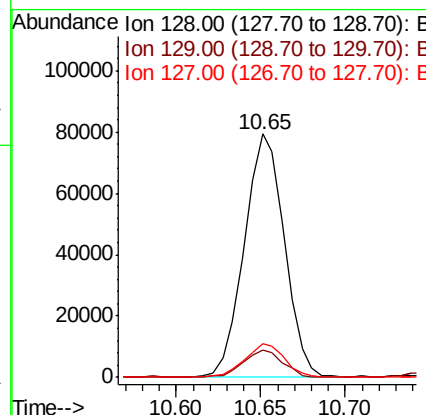
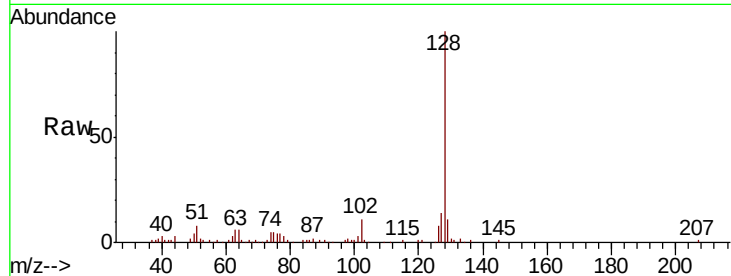
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Naphthalene
Concen: 1.949 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Instrument :
BNA_M
ClientSampled :
C0AB6

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	13.0
127	14.0	10.2	15.2

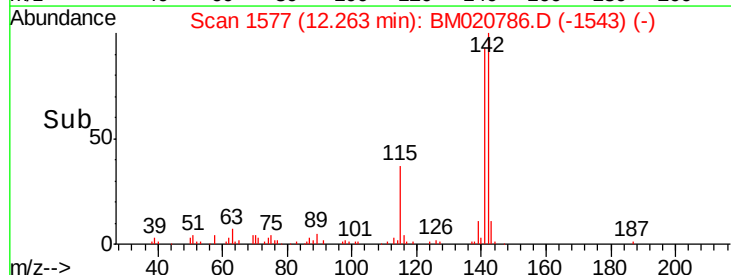
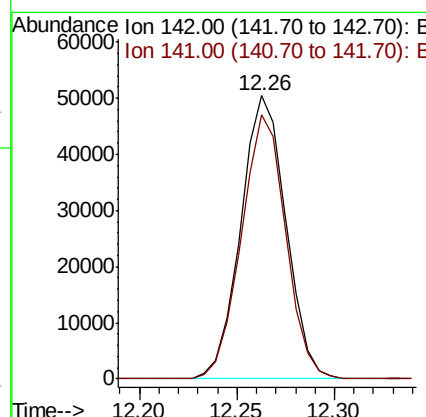
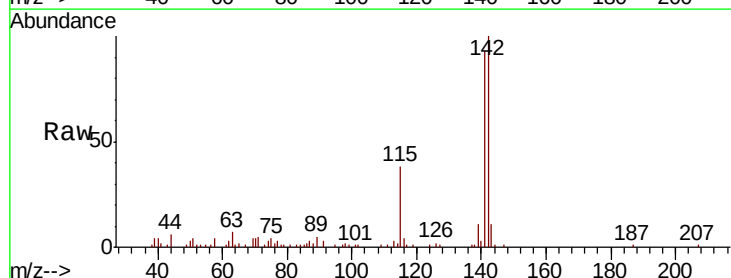
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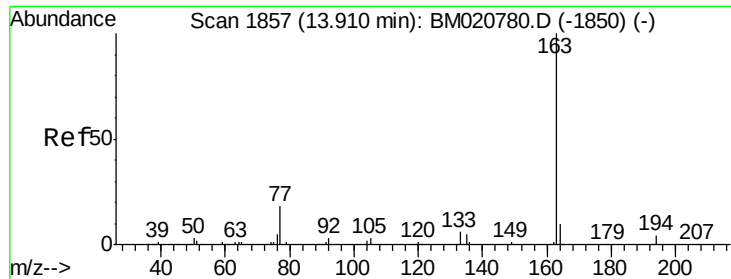
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#34
2-Methylnaphthalene
Concen: 1.637 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	71.4	107.0





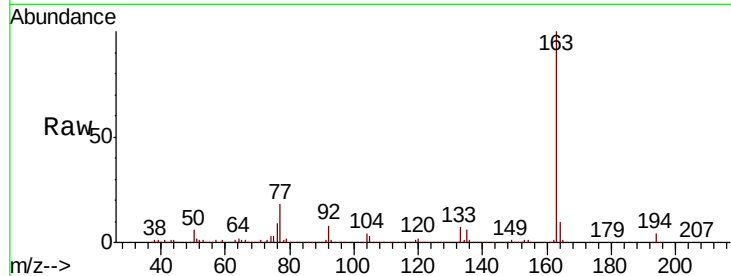
#44
Dimethylphthalate
Concen: 15.001 ng/ul
RT: 13.91 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Instrument :
BNA_M
ClientSampleId :
C0AB6

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	9.9	8.0	12.0

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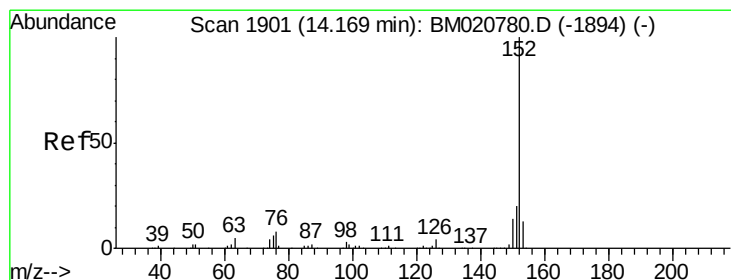
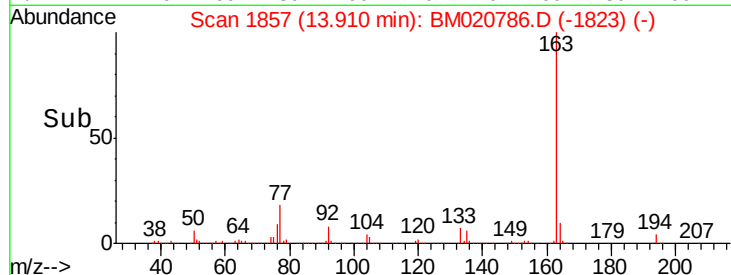
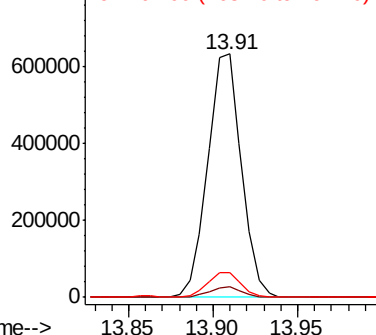


Abundance

Ion 163.00 (162.70 to 163.70): E

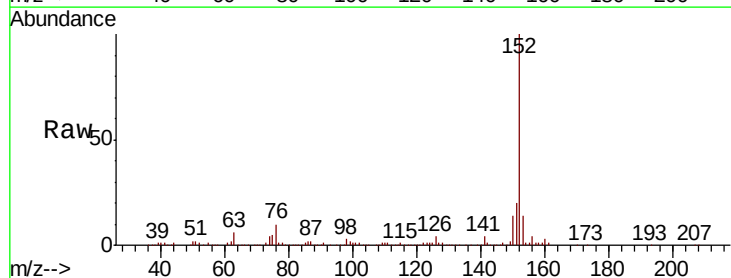
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 6.323 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. 0.01 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	14.2	10.6	15.8

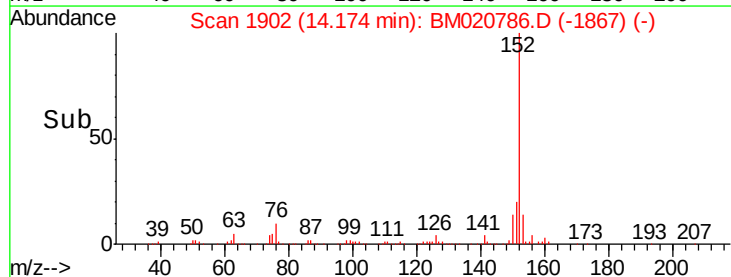
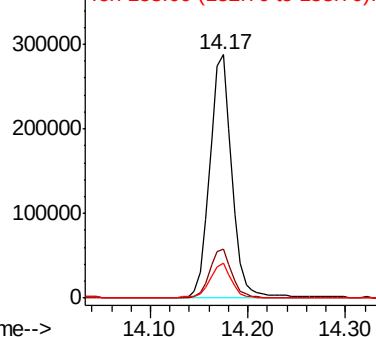


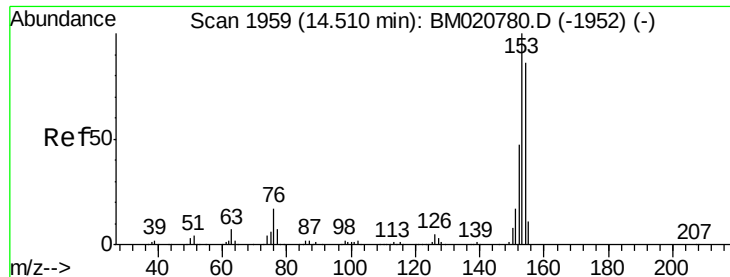
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 4.081 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM020786.D

Acq: 07 Jun 2019 04:50

Instrument :

BNA_M

ClientSampleId :

C0AB6

Tot Ion:153 Resp: 204080

Ion Ratio Lower Upper

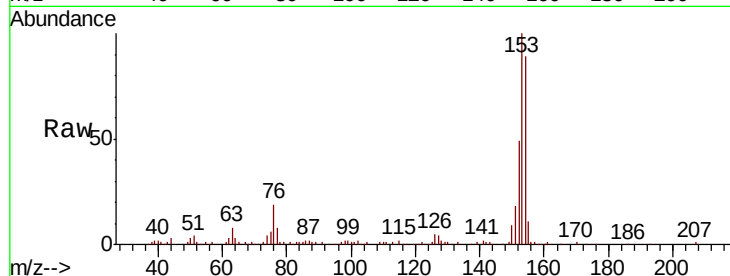
153 100

152 49.4 37.3 55.9

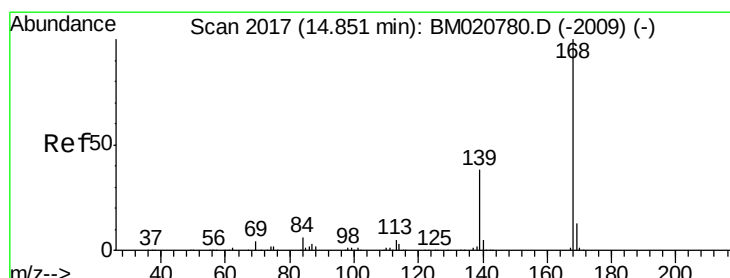
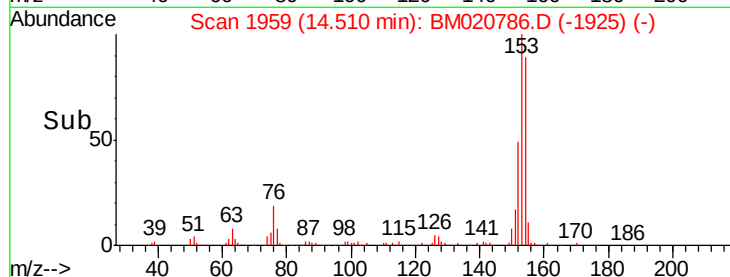
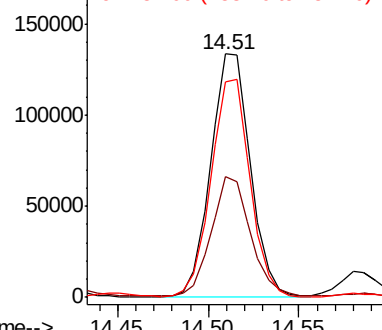
154 88.5 68.7 103.1

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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: 2.618 ng/ul

RT: 14.84 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM020786.D

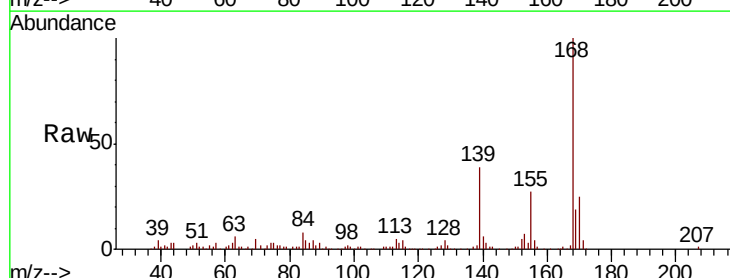
Acq: 07 Jun 2019 04:50

Tgt Ion:168 Resp: 185217

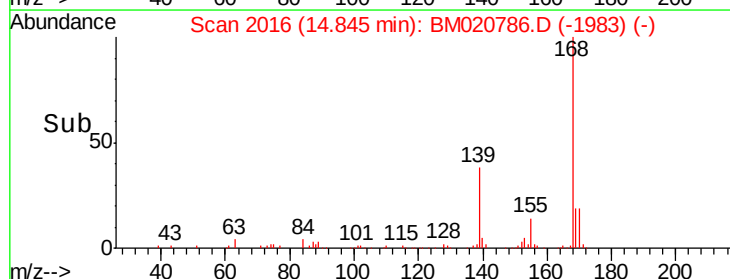
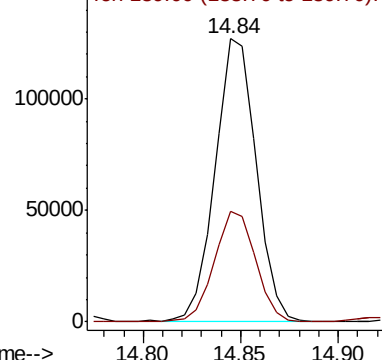
Ion Ratio Lower Upper

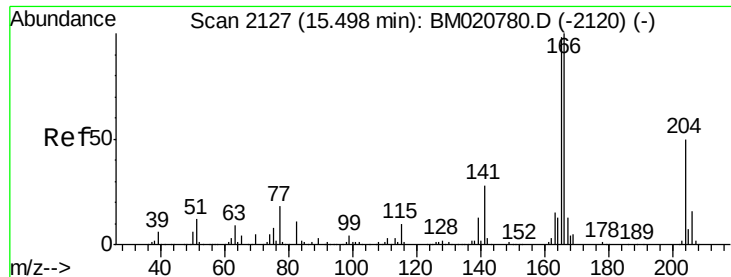
168 100

139 39.3 30.4 45.6



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





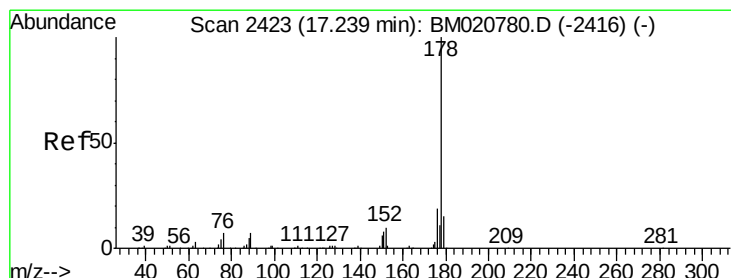
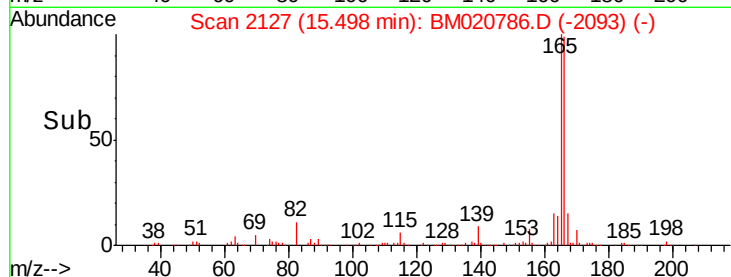
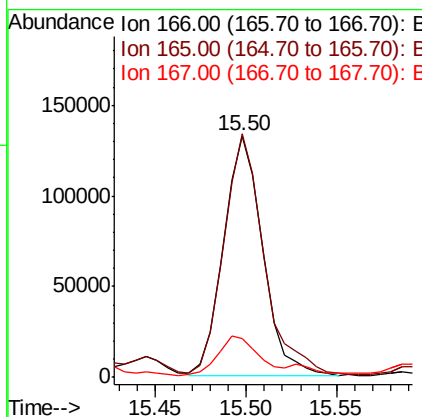
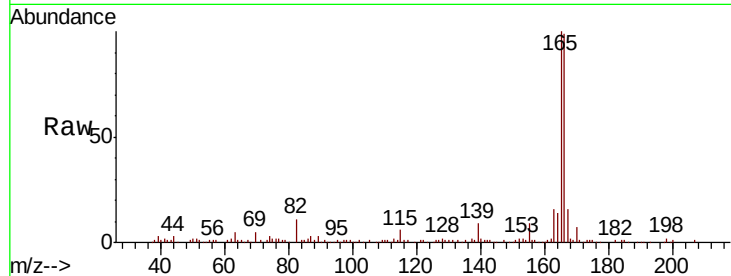
#58
 Fluorene
 Concen: 3.482 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BM020786.D
 Acq: 07 Jun 2019 04:50

Instrument :
 BNA_M
 ClientSampleId :
 C0AB6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		197755		
165	100.9	78.6	117.8		
167	15.9	10.8	16.2		

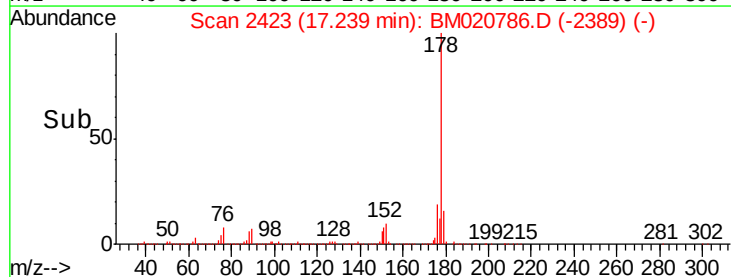
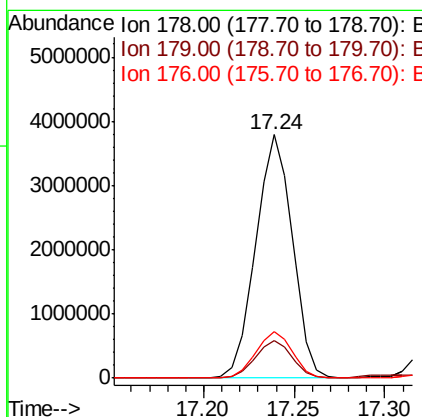
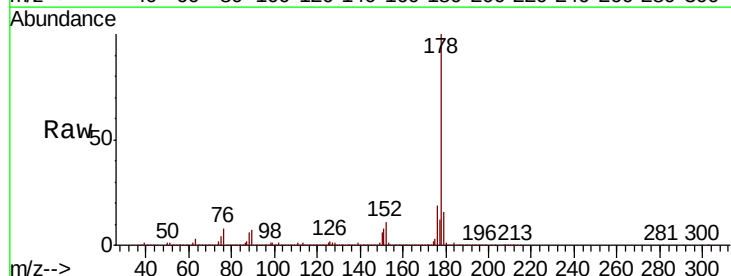
Manual Integrations
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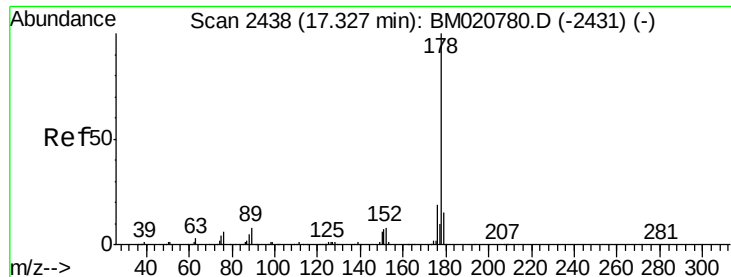
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#69
 Phenanthrene
 Concen: 61.403 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.00 min
 Lab File: BM020786.D
 Acq: 07 Jun 2019 04:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		5307346		
179	15.6	12.3	18.5		
176	19.3	14.8	22.2		





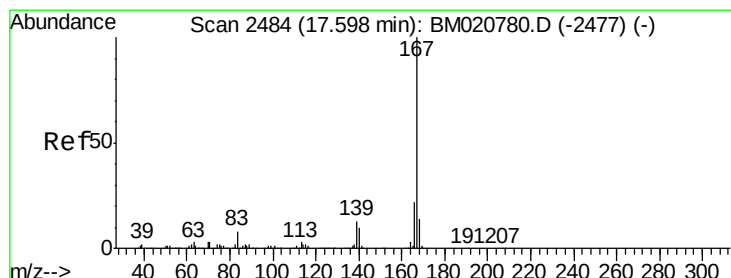
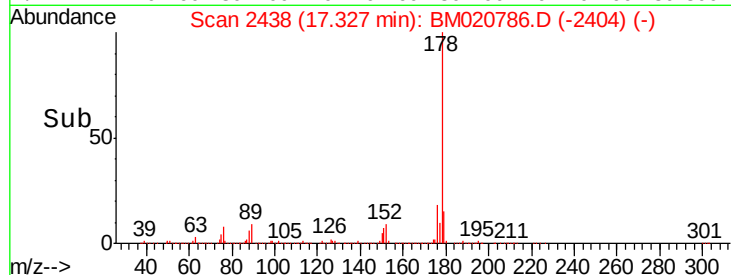
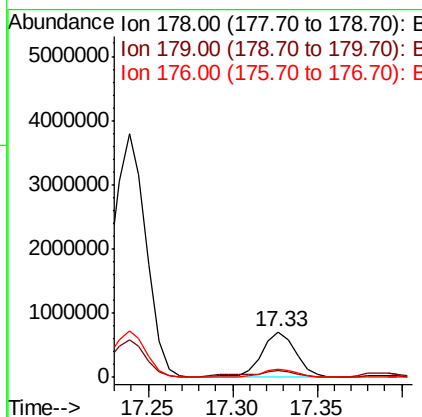
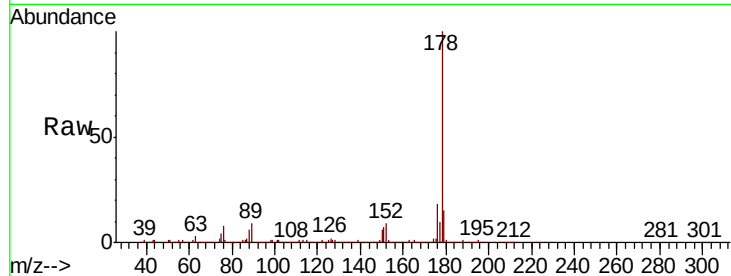
#71
 Anthracene
 Concen: 11.173 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM020786.D
 Acq: 07 Jun 2019 04:50

Instrument :
 BNA_M
 ClientSampled :
 C0AB6

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.1	18.1
176	18.4	14.9	22.3

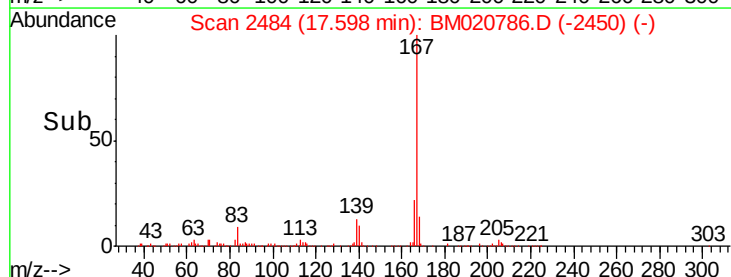
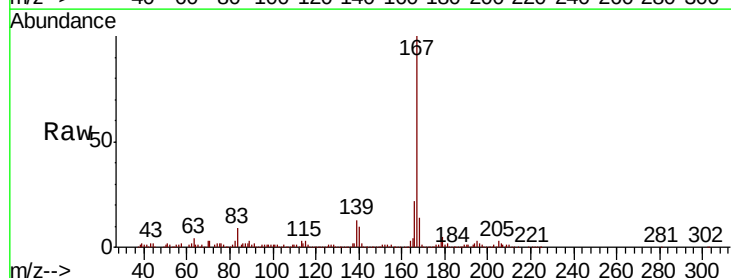
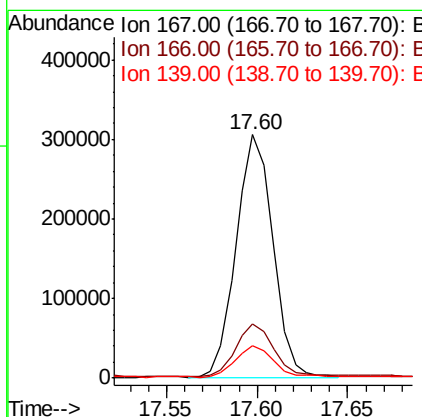
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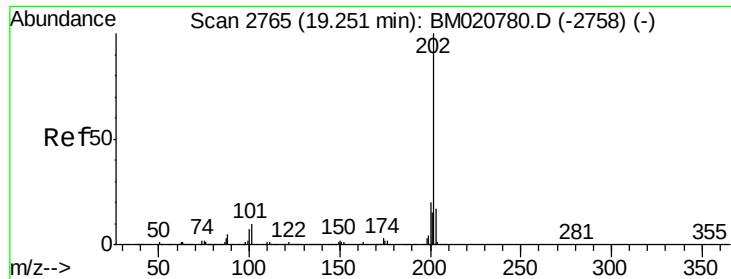
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#74
 Carbazole
 Concen: 5.581 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020786.D
 Acq: 07 Jun 2019 04:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.0	25.6
139	13.3	10.5	15.7





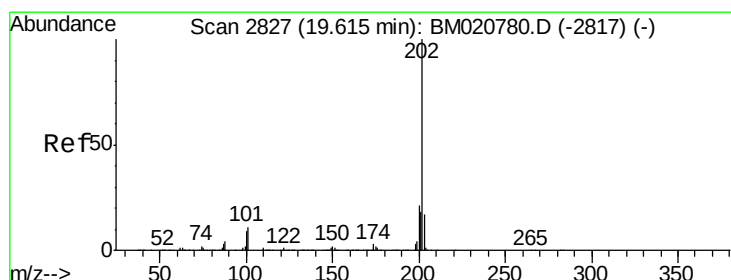
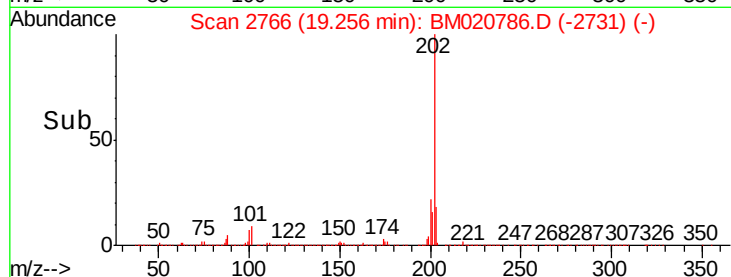
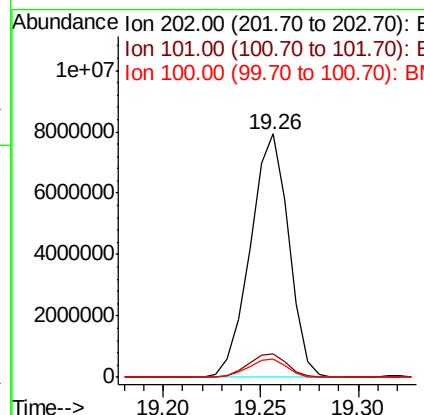
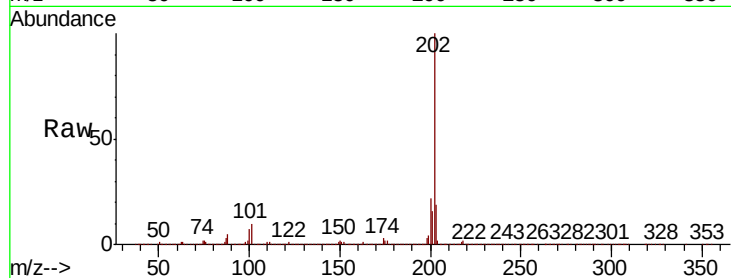
#76
Fluoranthene
Concen: 108.533 ng/ul
RT: 19.26 min Scan# 2766
Delta R.T. 0.01 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Instrument :
BNA_M
ClientSampled :
C0AB6

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.9	11.9
100	7.4	6.2	9.4

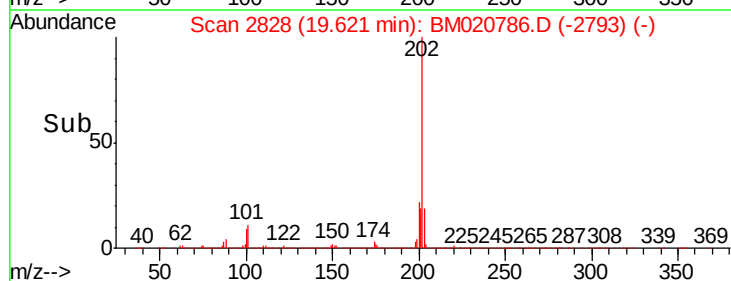
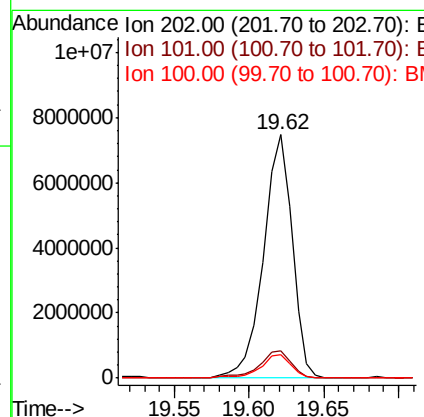
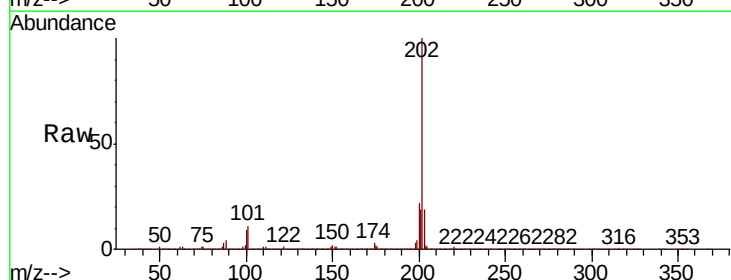
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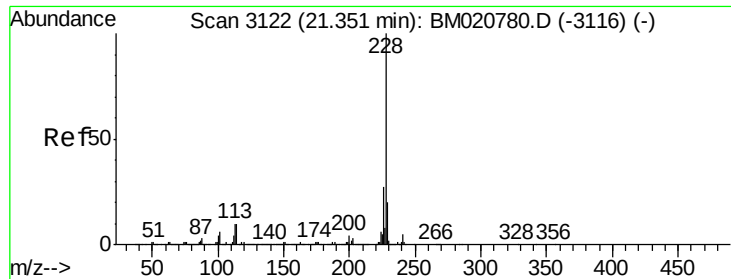
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#79
Pyrene
Concen: 96.393 ng/ul
RT: 19.62 min Scan# 2828
Delta R.T. 0.01 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.6
100	9.5	8.0	12.0





#82

Benzo(a)anthracene

Concen: 55.231 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020786.D

Acq: 07 Jun 2019 04:50

Instrument :

BNA_M

ClientSampled :

C0AB6

Tot Ion:228 Resp: 5749049

Ion Ratio Lower Upper

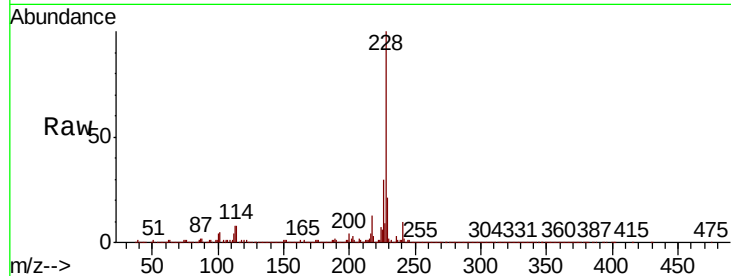
228 100

229 21.0 15.6 23.4

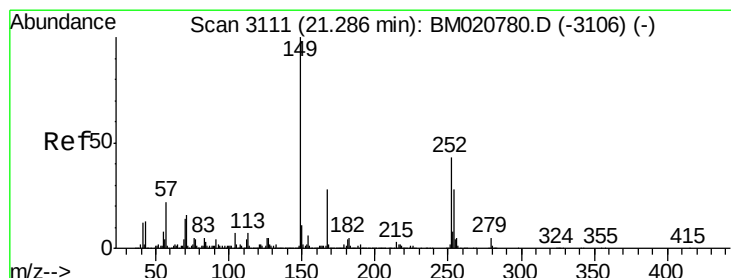
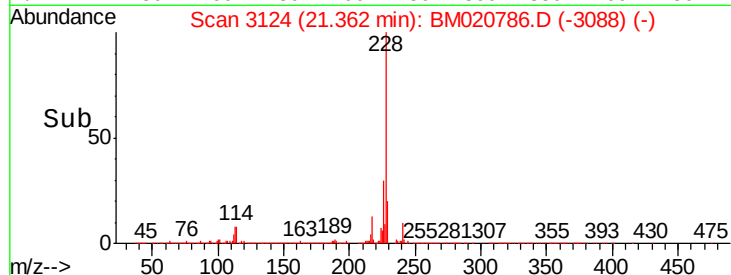
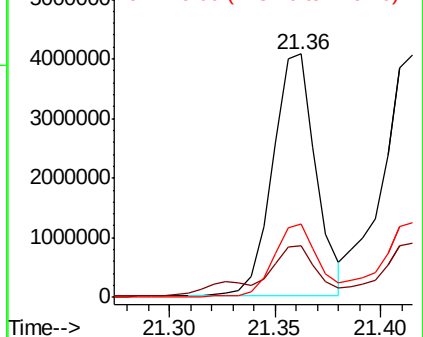
226 30.2 21.4 32.2

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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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.147 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM020786.D

Acq: 07 Jun 2019 04:50

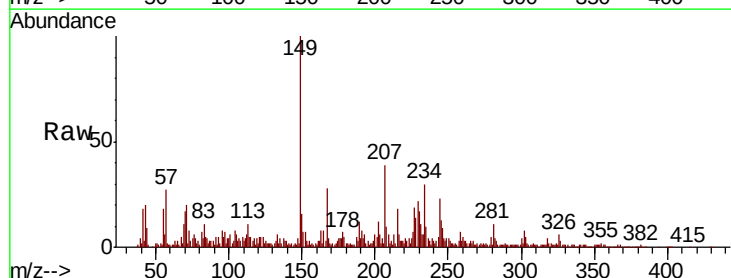
Tgt Ion:149 Resp: 152011

Ion Ratio Lower Upper

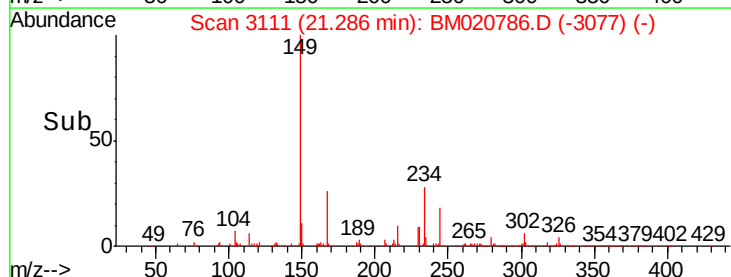
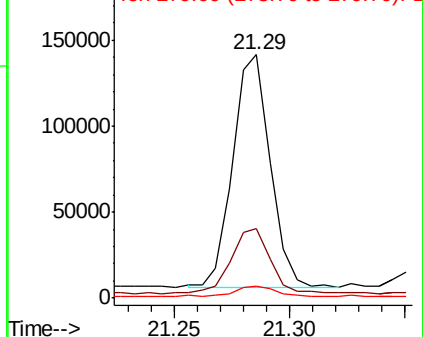
149 100

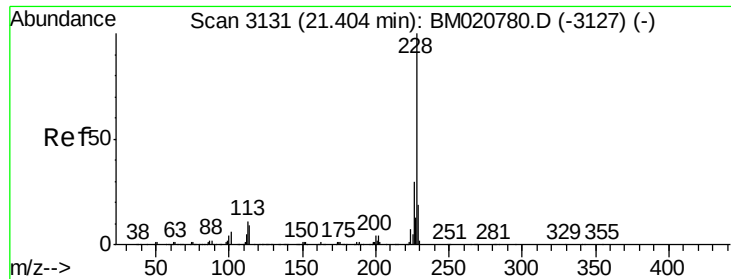
167 28.4 21.9 32.9

279 5.1 4.1 6.1



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





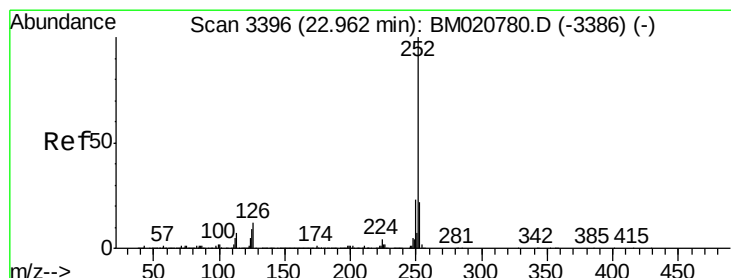
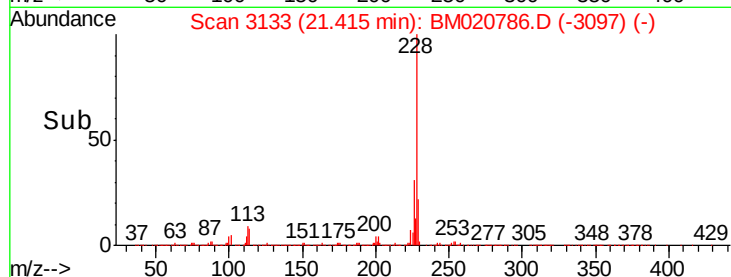
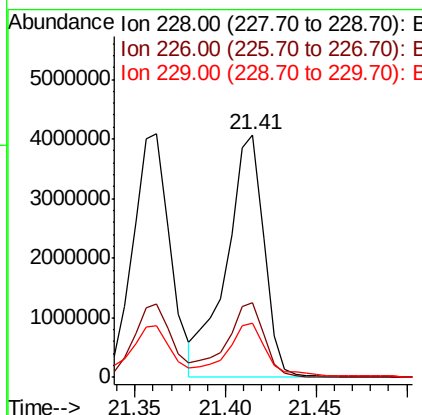
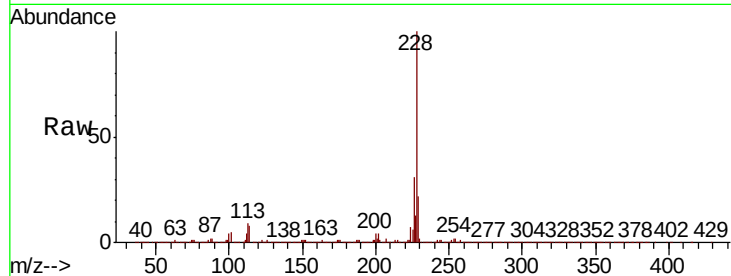
#84
Chrysene
Concen: 60.744 ng/ul
RT: 21.41 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Instrument :
BNA_M
ClientSampled :
C0AB6

Tot Ion:228 Resp: 5867010
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.3 16.2 24.2

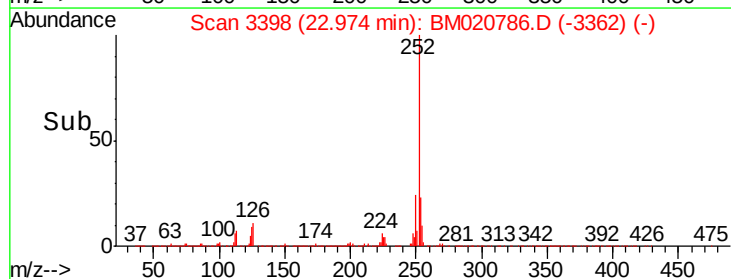
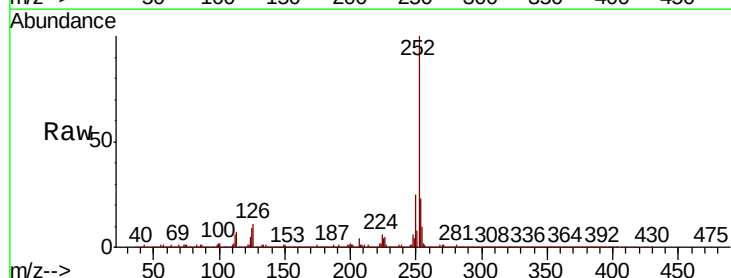
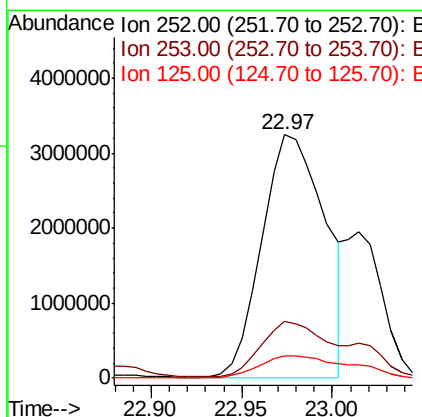
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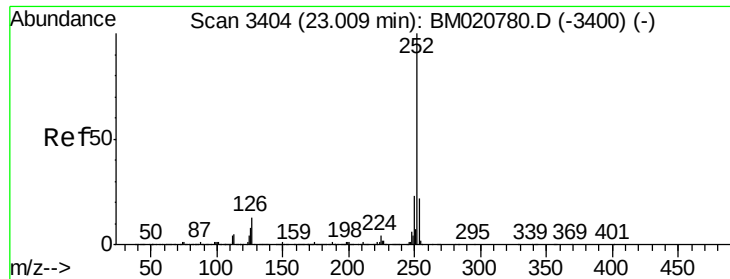
mohammad
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#87
Benzo(b)fluoranthene
Concen: 69.292 ng/ul
RT: 22.97 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Tgt Ion:252 Resp: 7842332
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 9.1 7.3 10.9





#88

Benzo(k)fluoranthene

Concen: 25.292 ng/ul m

RT: 23.01 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BM020786.D

Acq: 07 Jun 2019 04:50

Instrument :

BNA_M

ClientSampleId :

C0AB6

Tot Ion:252 Resp: 2736085

Ion Ratio Lower Upper

252 100

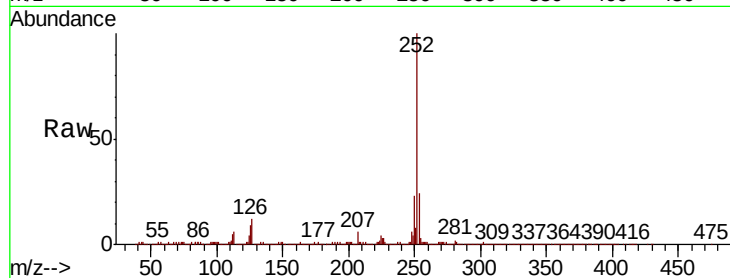
253 23.9 17.6 26.4

125 9.0 7.3 10.9

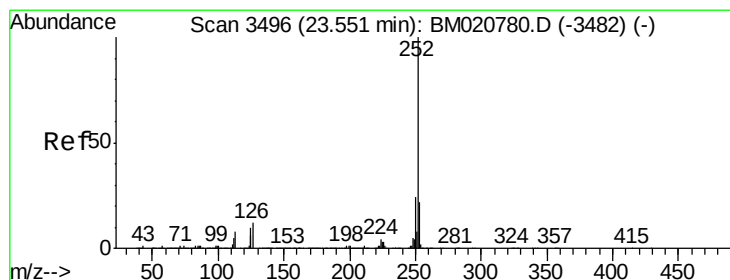
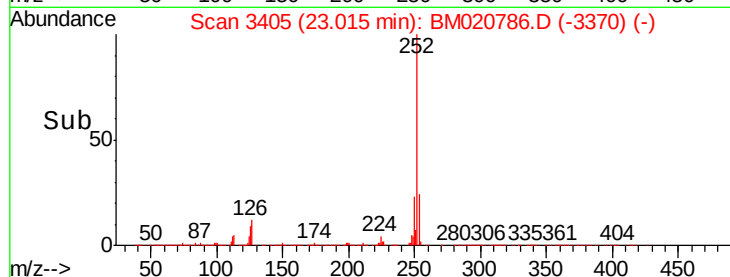
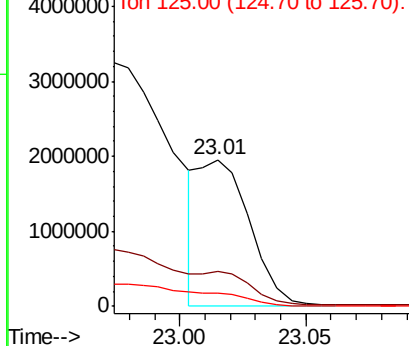
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 49.829 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.02 min

Lab File: BM020786.D

Acq: 07 Jun 2019 04:50

Tgt Ion:252 Resp: 5365373

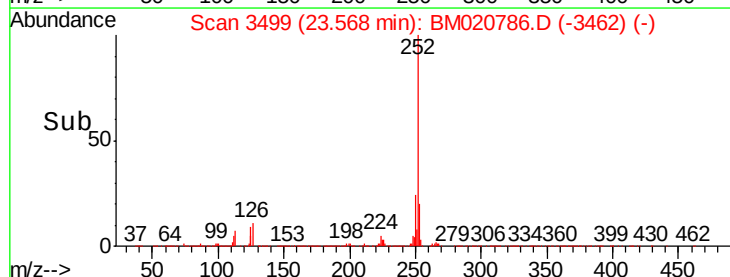
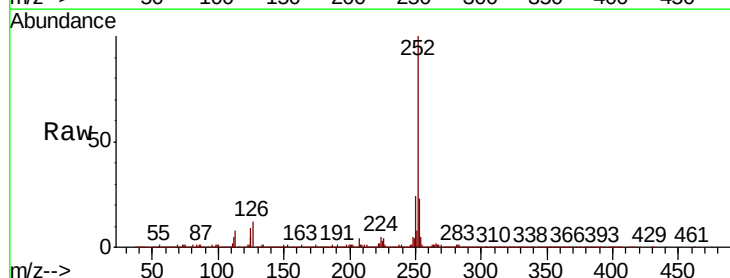
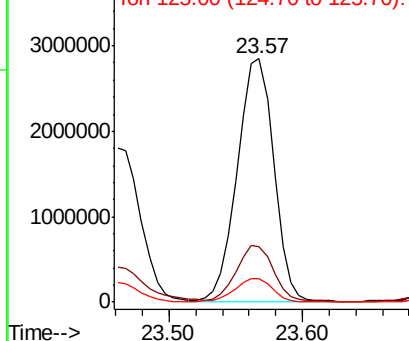
Ion Ratio Lower Upper

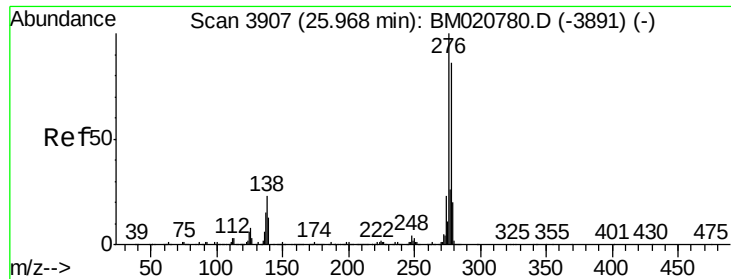
252 100

253 22.8 17.0 25.6

125 9.4 8.2 12.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





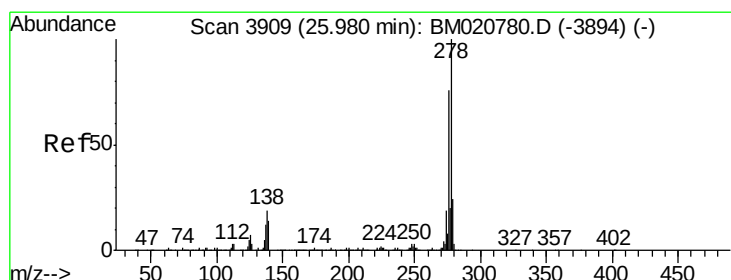
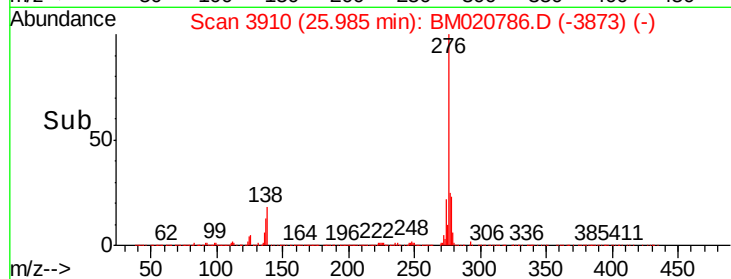
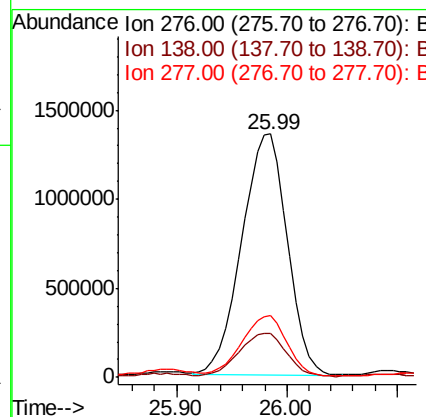
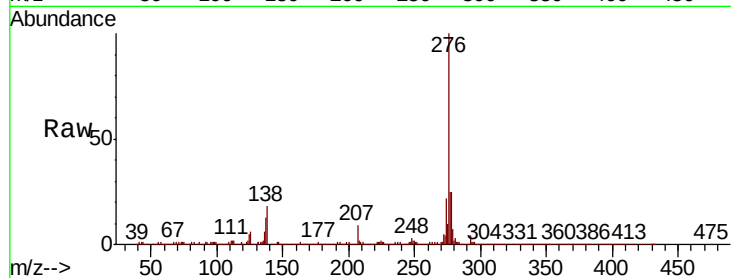
#91
Indeno(1,2,3-cd)pyrene
Concen: 30.848 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. 0.02 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Instrument :
BNA_M
ClientSampleId :
C0AB6

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.9	17.8	26.8
277	25.3	20.0	30.0

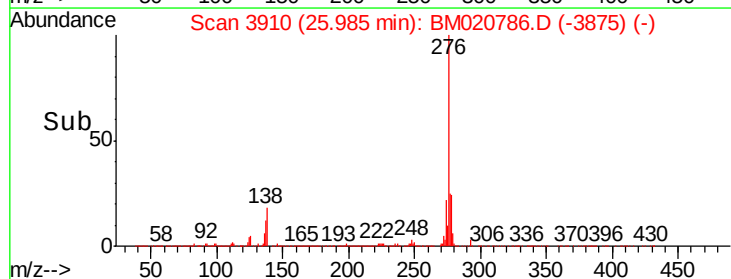
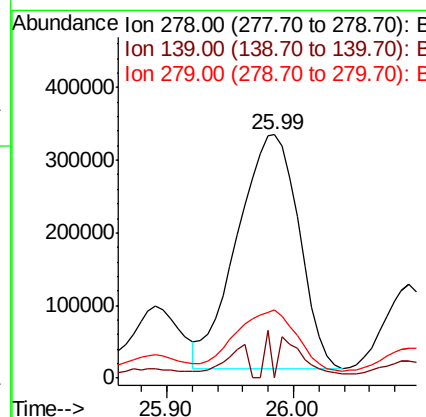
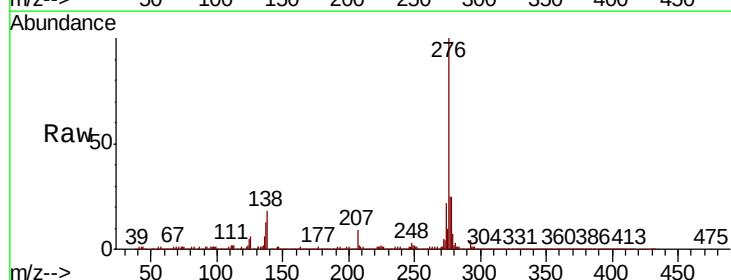
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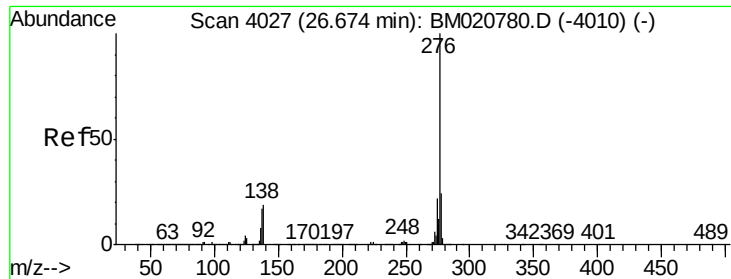
mohammad
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#92
Dibenzo(a,h)anthracene
Concen: 10.065 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. 0.01 min
Lab File: BM020786.D
Acq: 07 Jun 2019 04:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.6	17.4#
279	28.0	18.6	28.0





#93
 Benzo(a,h,i)perylene
 Concen: 29.568 ng/ul
 RT: 26.70 min Scan# 4031
 Delta R.T. 0.02 min
 Lab File: BM020786.D
 Acq: 07 Jun 2019 04:50

Instrument :
 BNA_M
 ClientSampleId :
 C0AB6

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	19.0	16.6	25.0	
277	24.3	19.6	29.4	

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