

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020783.D
 Acq On : 07 Jun 2019 03:02
 Operator : HP/JU
 Sample : K3201-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC0

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:14:51 PM

Quant Time: Jun 07 06:49:13 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	335459	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1365908	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	771209	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1675063	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1479932	20.00	ng/ul	0.00
85) Perylene-d12	23.65	264	1687106	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	37733	5.36	ng/uL	0.00
5) Phenol-d5	6.97	99	681756	26.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	435849	28.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	590314	28.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	498906	24.16	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	289953	31.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	320253	33.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	601892	30.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	672071	27.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1889079	33.11	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	2266665	31.34	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	246325	25.16	ng/ul	0.00
57) Fluorene-d10	15.45	176	1538195	31.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	192999	22.53	ng/ul	0.00
70) Anthracene-d10	17.29	188	2359967	32.25	ng/ul	0.00
78) Pyrene-d10	19.59	212	2424972	33.90	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	2434833	31.75	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	13.90	163	684178	11.978	ng/ul 100
47) Acenaphthylene	14.17	152	145039	2.073	ng/ul 99
69) Phenanthrene	17.23	178	697306	8.272	ng/ul 99
71) Anthracene	17.33	178	170384	1.972	ng/ul 98
76) Fluoranthene	19.25	202	1911634	19.788	ng/ul 99
79) Pyrene	19.62	202	1717032	18.795	ng/ul 98
82) Benzo(a)anthracene	21.35	228	1063690	11.522	ng/ul 97
83) Bis(2-ethylhexyl)phthalate	21.29	149	242144	3.856	ng/ul 99
84) Chrysene	21.40	228	1049863	12.256	ng/ul 98
87) Benzo(b)fluoranthene	22.96	252	1719337	17.518	ng/ul 98
88) Benzo(k)fluoranthene	23.00	252	465520m	4.962	ng/ul
90) Benzo(a)pyrene	23.56	252	1041301	11.152	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.96	276	868349	7.874	ng/ul 96
92) Dibenzo(a,h)anthracene	25.97	278	225717	2.416	ng/ul# 92
93) Benzo(g,h,i)perylene	26.67	276	675834	7.554	ng/ul 96

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

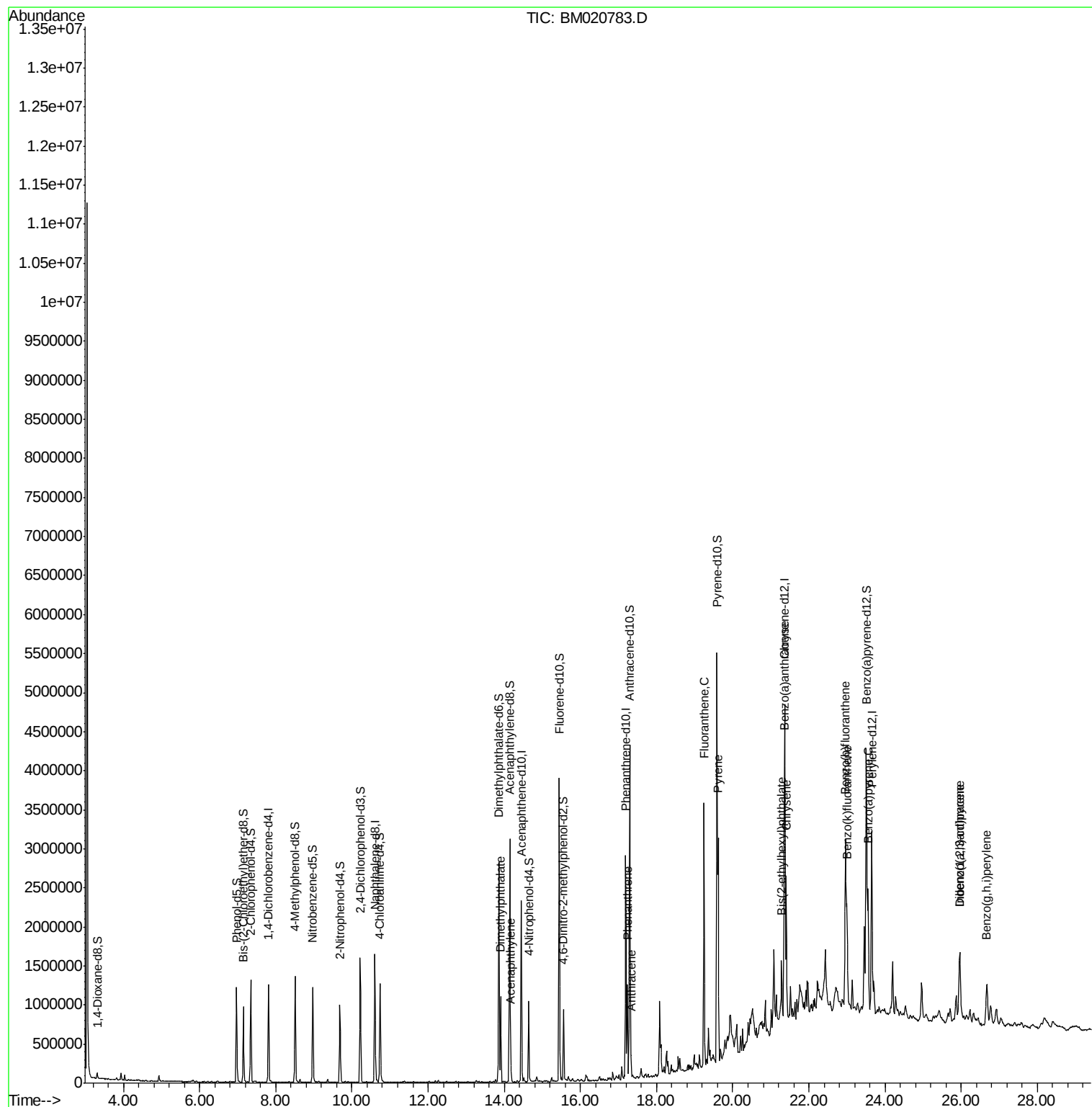
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020783.D
Acq On : 07 Jun 2019 03:02
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Sample : K3201-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

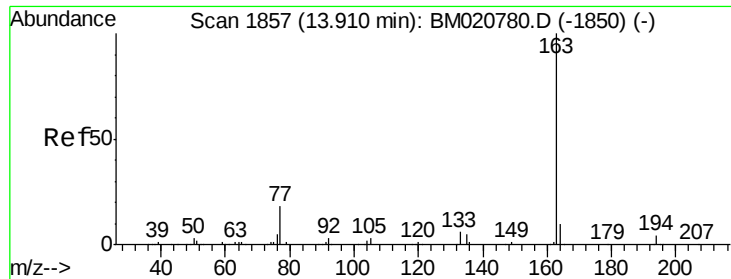
Instrument :
BNA_M
ClientSampleId :
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Quant Title : SVOA CALIBRATION
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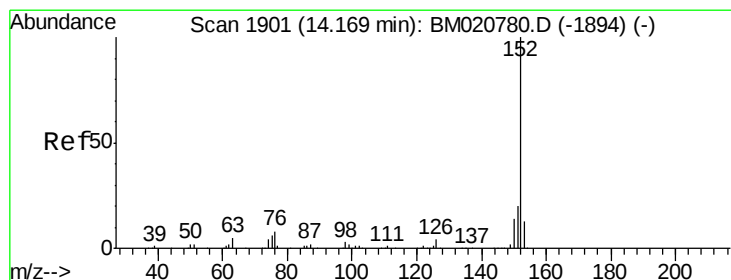
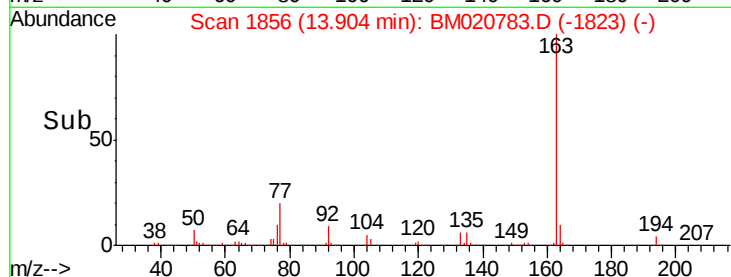
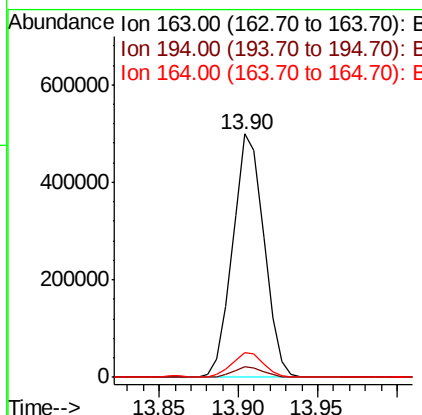
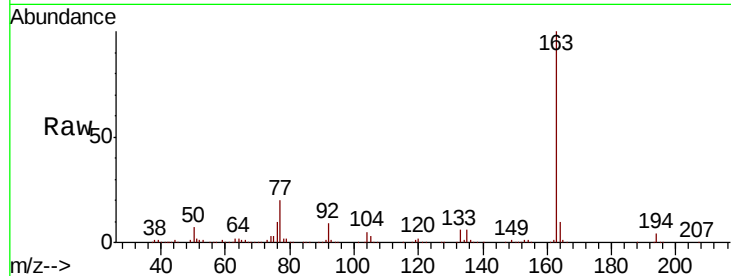
#44
Dimethylphthalate
Concen: 11.978 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020783.D
Acq: 07 Jun 2019 03:02

Instrument :
BNA_M
ClientSampleId :
C0AC0

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.9	8.0	12.0

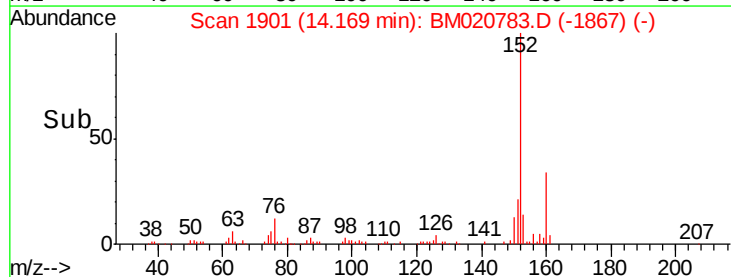
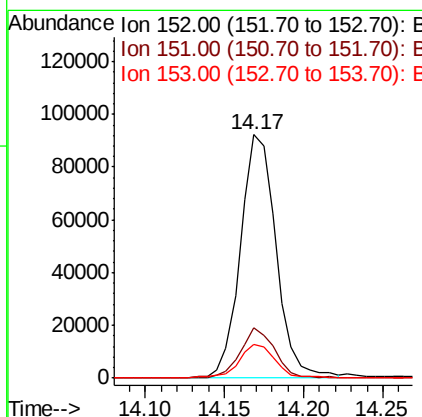
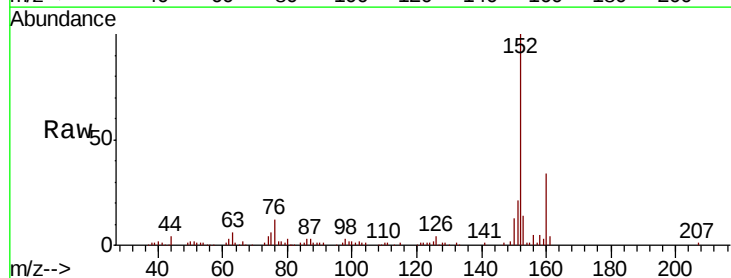
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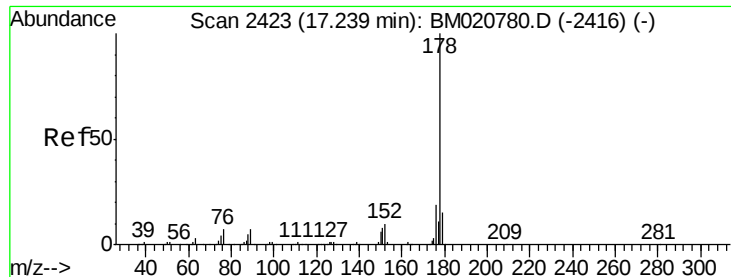
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#47
Acenaphthylene
Concen: 2.073 ng/ul
RT: 14.17 min Scan# 1901
Delta R.T. -0.00 min
Lab File: BM020783.D
Acq: 07 Jun 2019 03:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2
153	13.8	10.6	15.8





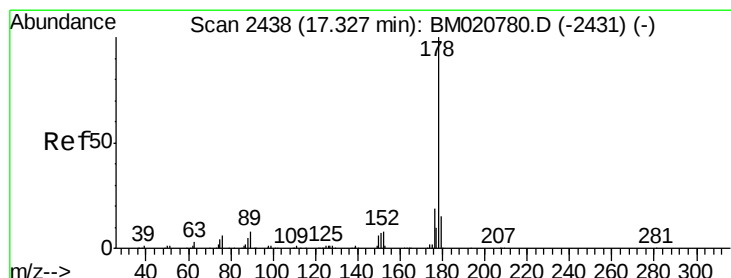
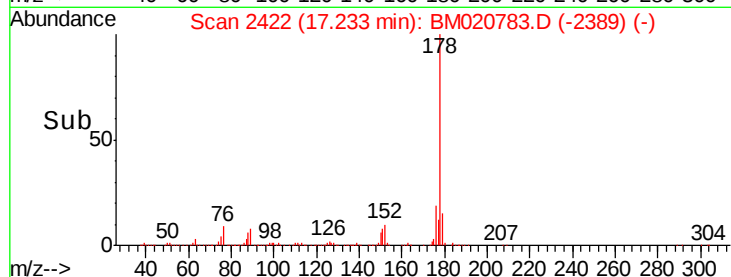
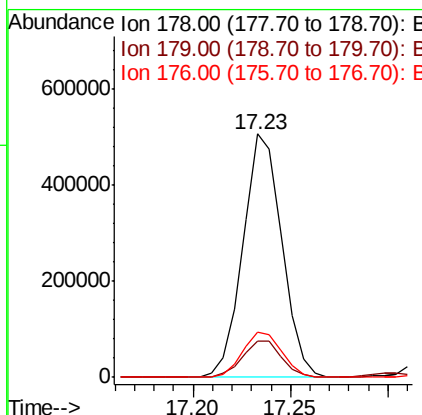
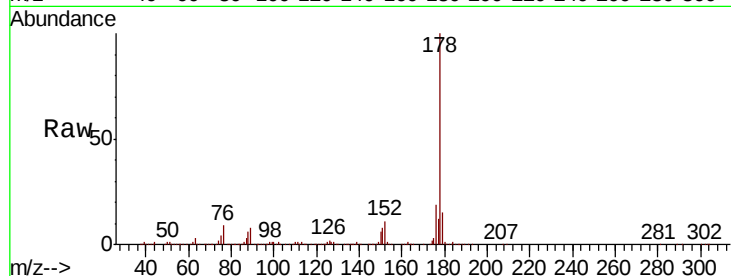
#69
Phenanthrene
Concen: 8.272 ng/ul
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM020783.D
Acq: 07 Jun 2019 03:02

Instrument :
BNA_M
ClientSampleId :
C0AC0

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	18.8	14.8	22.2

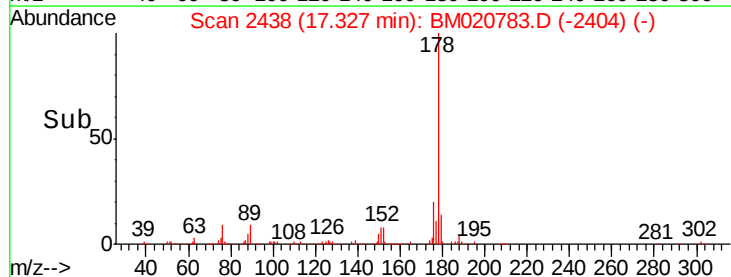
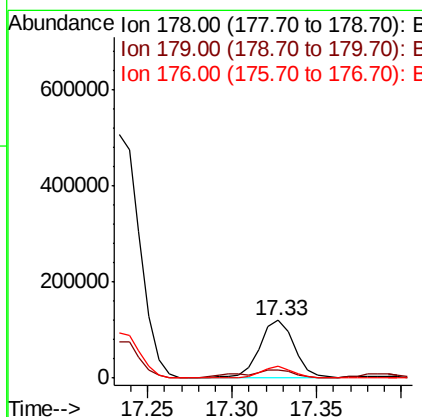
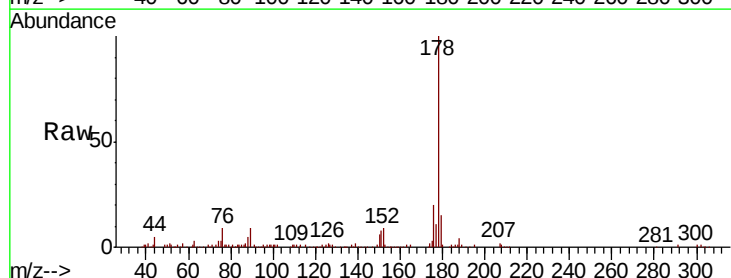
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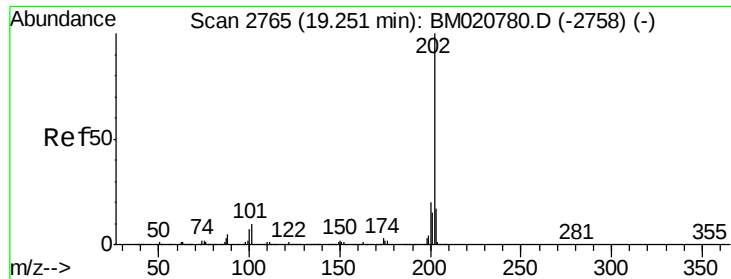
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#71
Anthracene
Concen: 1.972 ng/ul
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM020783.D
Acq: 07 Jun 2019 03:02

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.1	18.1
176	20.0	14.9	22.3





#76

Fluoranthene

Concen: 19.788 ng/ul

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

Instrument :

BNA_M

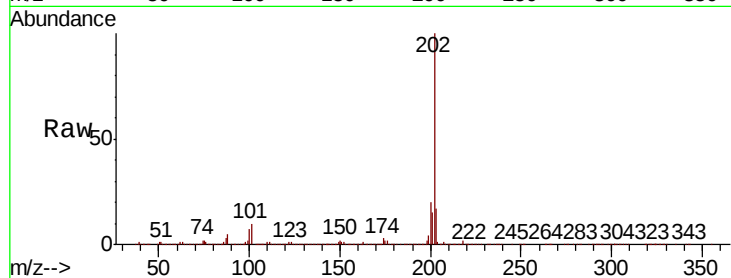
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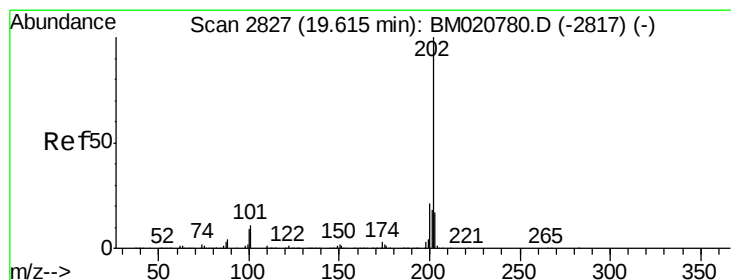
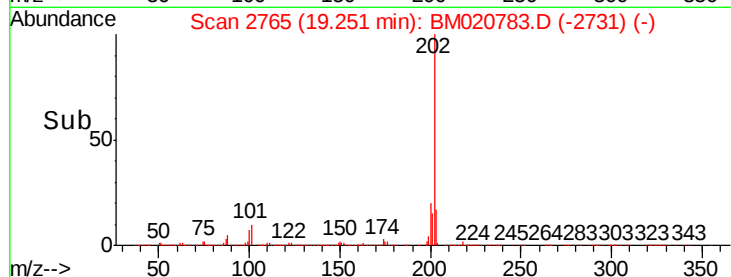
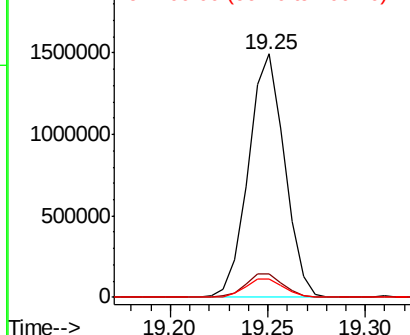
Tot Ion:	202	Resp:	1911634
Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.9	11.9
100	7.4	6.2	9.4

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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



#79

Pyrene

Concen: 18.795 ng/ul

RT: 19.62 min Scan# 2827

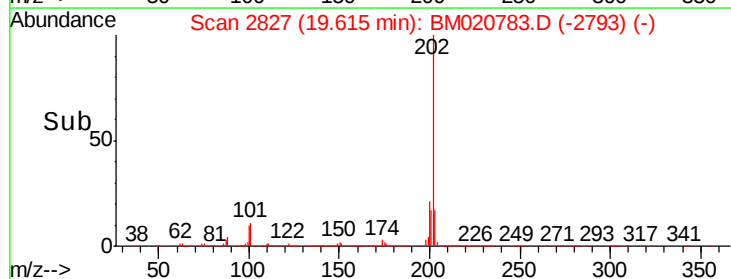
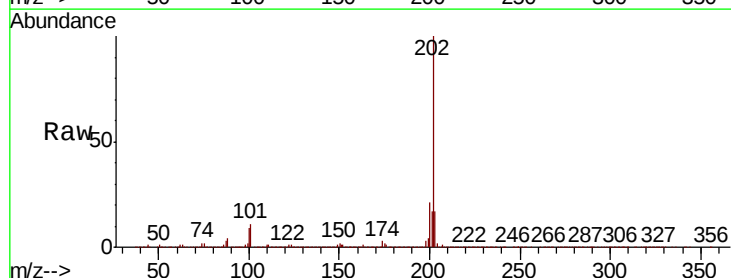
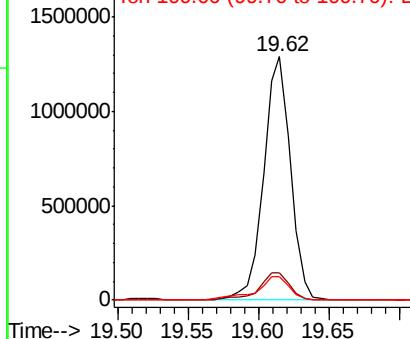
Delta R.T. -0.00 min

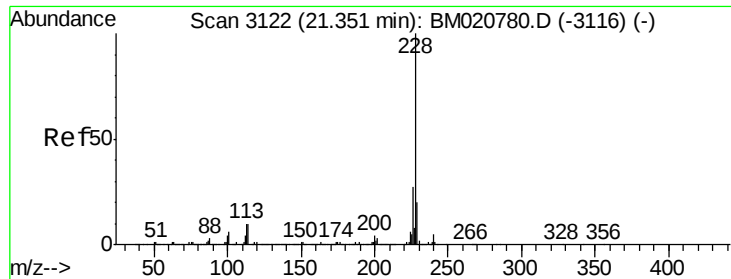
Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

Tgt Ion:	202	Resp:	1717032
Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.6
100	9.5	8.0	12.0

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





#82

Benzo(a)anthracene

Concen: 11.522 ng/ul

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

Instrument :

BNA_M

ClientSampleId :

C0AC0

Tot Ion:228 Resp: 1063690

Ion Ratio Lower Upper

228 100

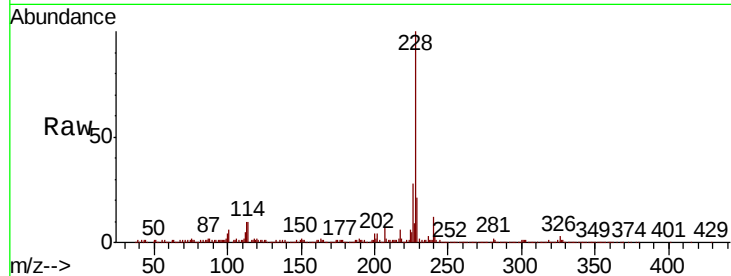
229 20.6 15.6 23.4

226 28.1 21.4 32.2

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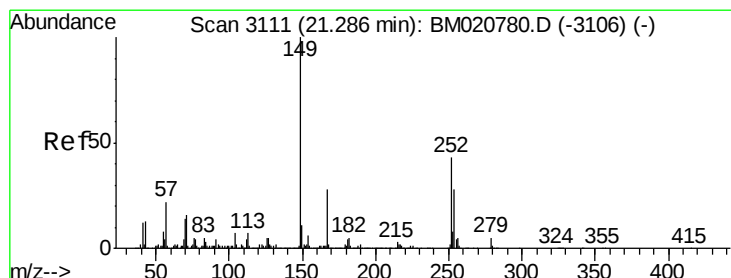
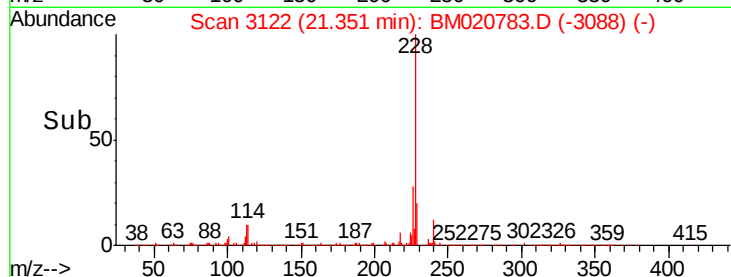
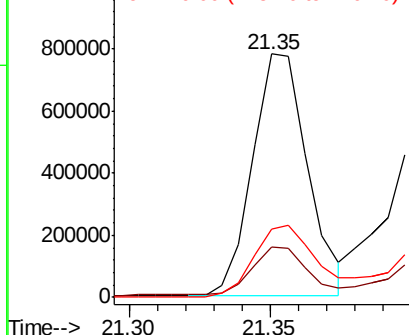


Abundance

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: 3.856 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

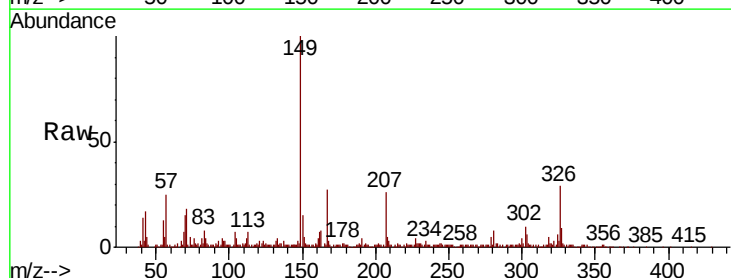
Tgt Ion:149 Resp: 242144

Ion Ratio Lower Upper

149 100

167 26.7 21.9 32.9

279 4.6 4.1 6.1

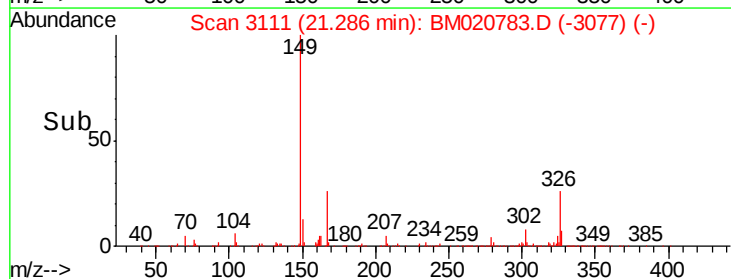
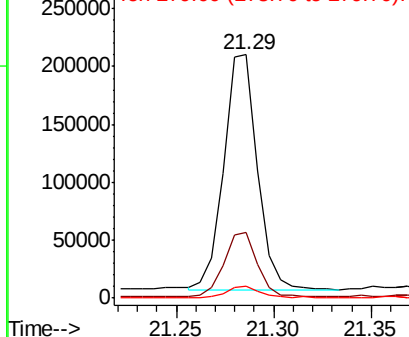


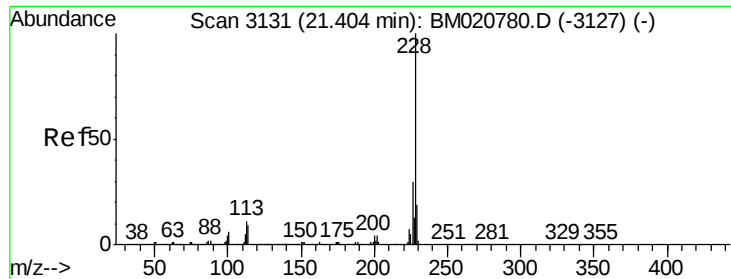
Abundance

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: 12.256 ng/ul

RT: 21.40 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

Instrument :

BNA_M

ClientSampleId :

C0AC0

Tot Ion:228 Resp: 1049863

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	22.0	16.2	24.2

228 100

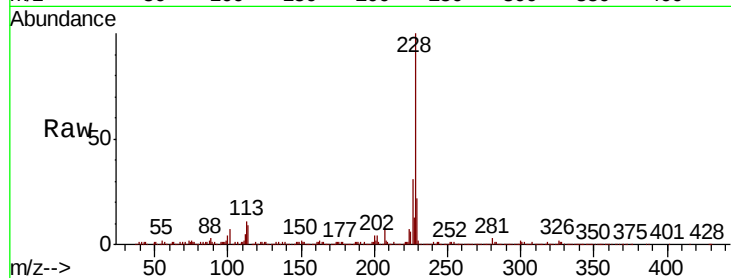
226 30.9 24.4 36.6

229 22.0 16.2 24.2

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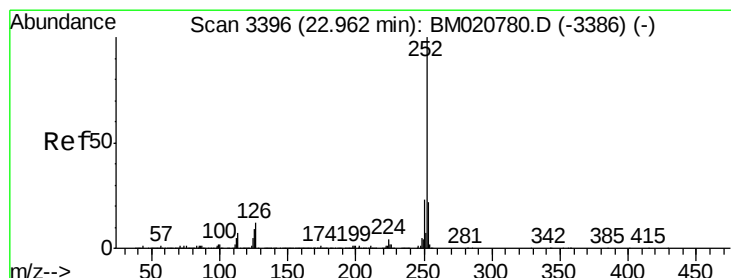
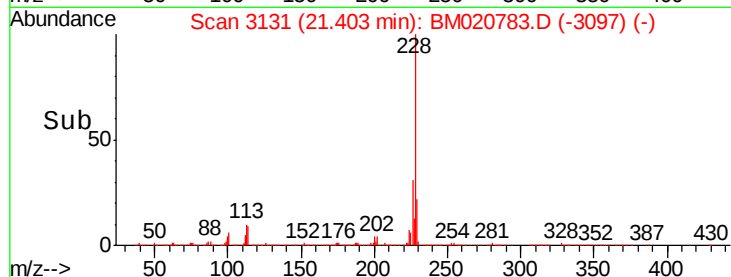
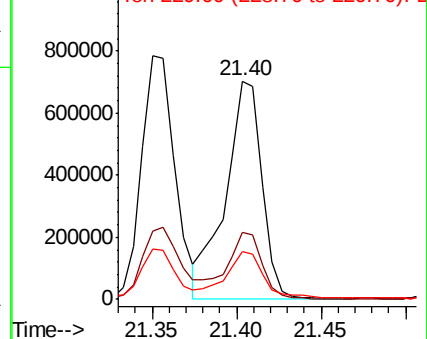


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 17.518 ng/ul

RT: 22.96 min Scan# 3396

Delta R.T. -0.00 min

Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

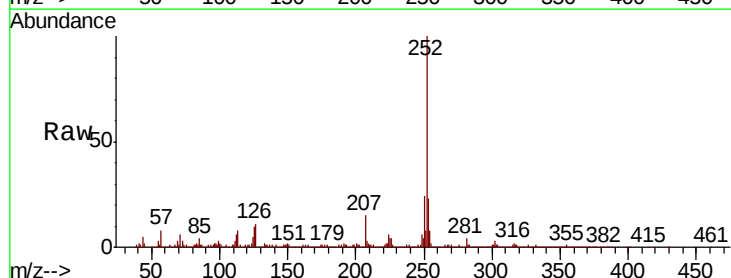
Tgt Ion:252 Resp: 1719337

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	9.7	7.3	10.9

252 100

253 22.9 17.6 26.4

125 9.7 7.3 10.9

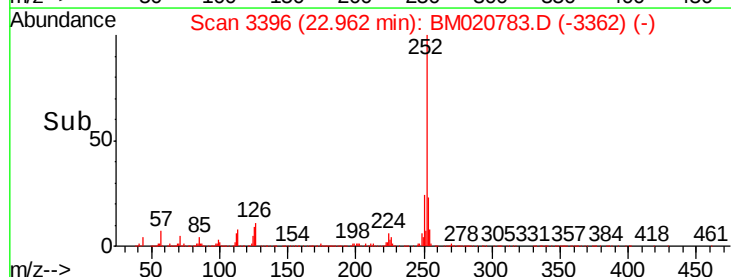
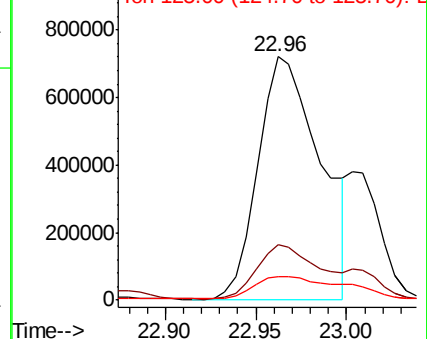


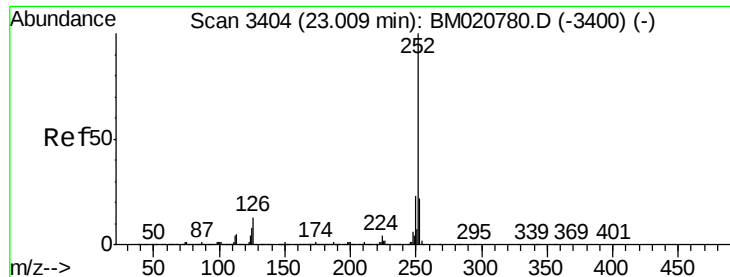
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 4.962 ng/ul m

RT: 23.00 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

Instrument :

BNA_M

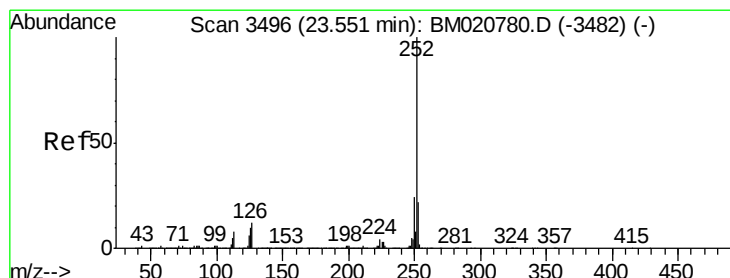
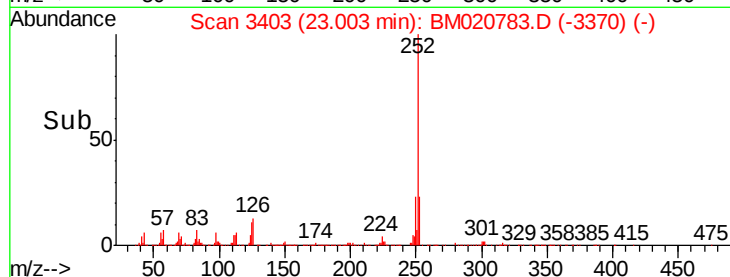
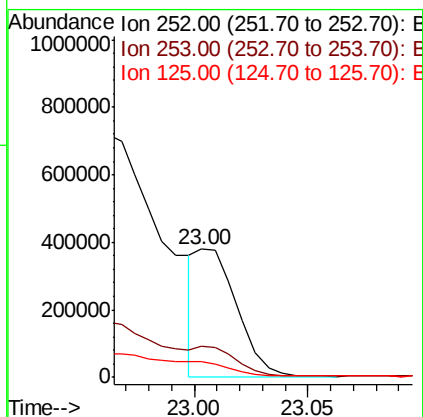
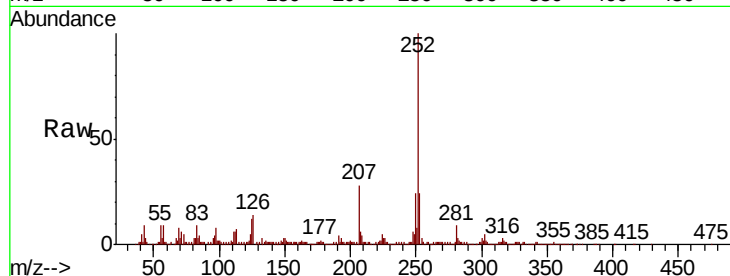
ClientSampleId :

C0AC0

Tot Ion:	252	Resp:	465520
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	11.8	7.3	10.9#

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#90

Benzo(a)pyrene

Concen: 11.152 ng/ul

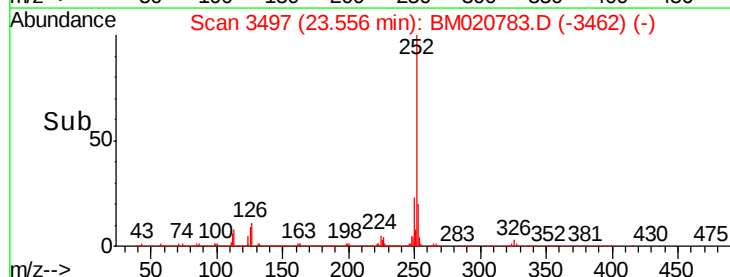
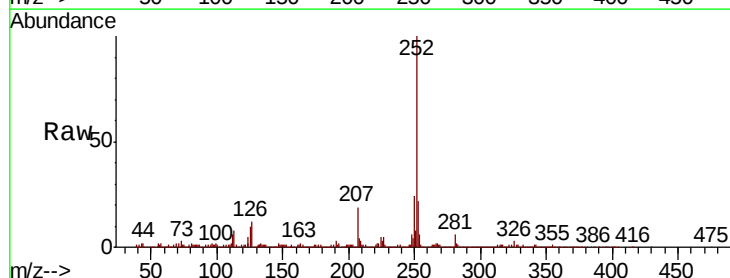
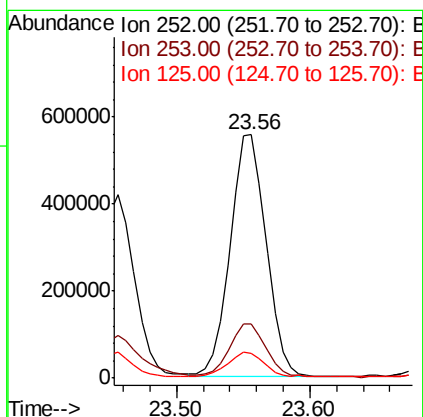
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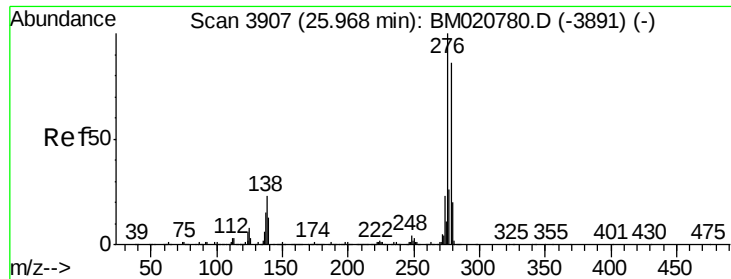
Delta R.T. 0.01 min

Lab File: BM020783.D

Acq: 07 Jun 2019 03:02

Tgt Ion:	252	Resp:	1041301
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	10.0	8.2	12.4





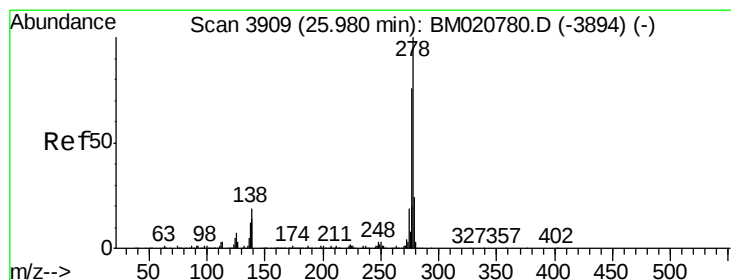
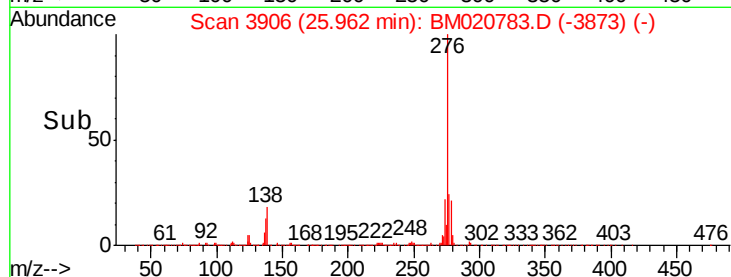
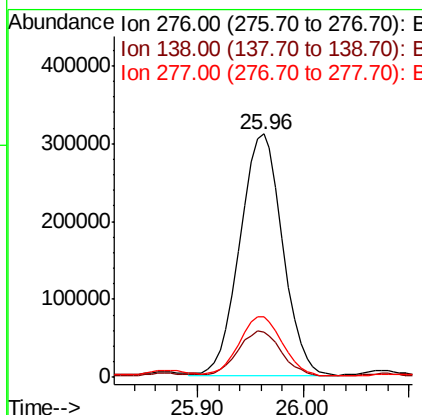
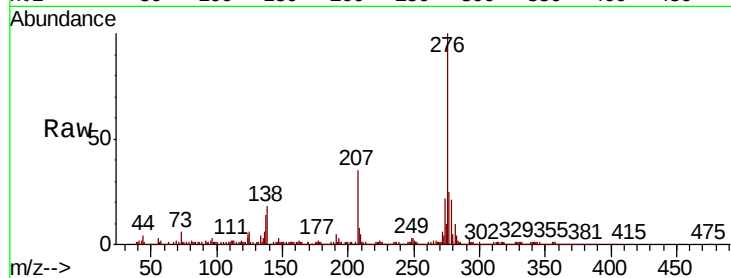
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 7.874 ng/ul
 RT: 25.96 min Scan# 3906
 Delta R.T. -0.01 min
 Lab File: BM020783.D
 Acq: 07 Jun 2019 03:02

Instrument :
 BNA_M
 ClientSampleId :
 C0AC0

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.8	26.8
277	24.7	20.0	30.0

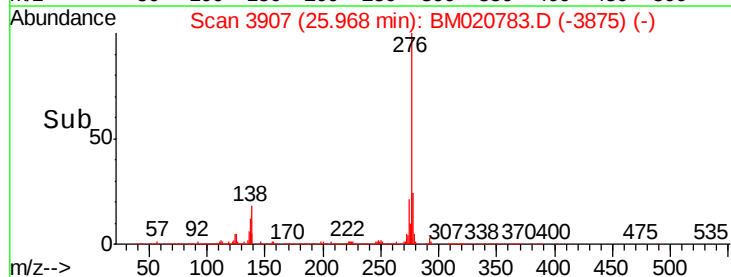
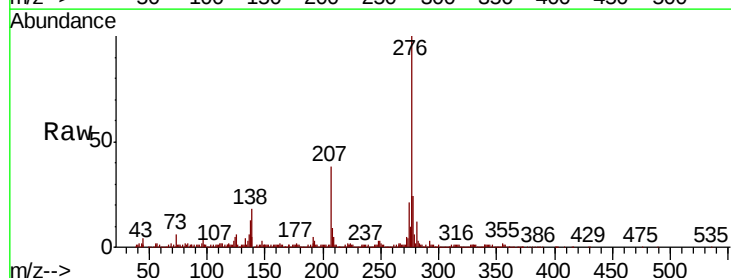
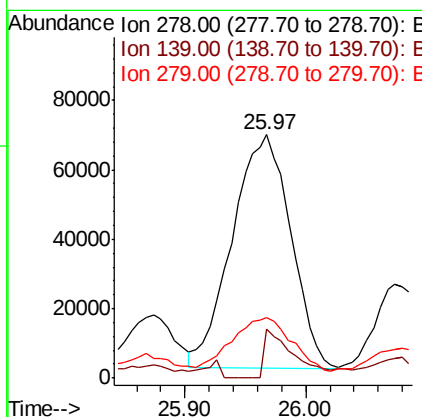
Manual Integrations
 APPROVED

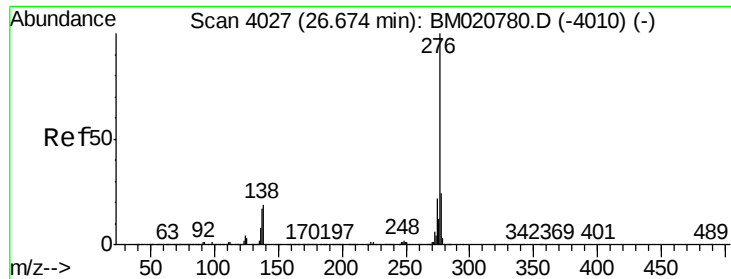
mohammad
 6/7/2019 2:14:51 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 2.416 ng/ul
 RT: 25.97 min Scan# 3907
 Delta R.T. -0.01 min
 Lab File: BM020783.D
 Acq: 07 Jun 2019 03:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	11.6	17.4#
279	25.0	18.6	28.0





#93
 Benzo(a,h,i)perylene
 Concen: 7.554 ng/ul
 RT: 26.67 min Scan# 4027
 Delta R.T. -0.00 min
 Lab File: BM020783.D
 Acq: 07 Jun 2019 03:02

Instrument :
 BNA_M
 ClientSampleId :
 C0AC0

Tot Ion:	276	Resp:	675834
Ion Ratio	Lower	Upper	
276	100		
138	18.3	16.6	25.0
277	23.5	19.6	29.4

Manual Integrations
 APPROVED

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