

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020800.D
 Acq On : 07 Jun 2019 12:40
 Operator : HP/JU
 Sample : K3201-06DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C0AB7DL

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:41:37 AM

Quant Time: Jun 08 00:51:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 08 00:20:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	425190	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1749654	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	993337	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	2136930	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1937645	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	2208524	20.00	ng/ul	0.00

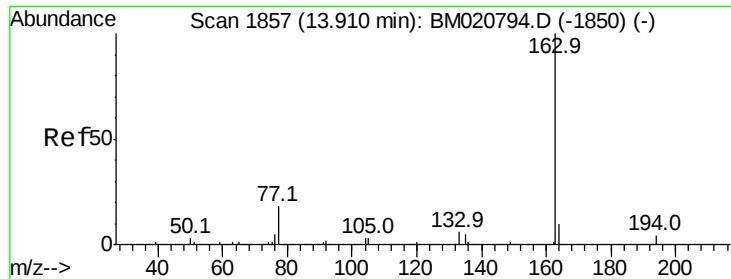
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	17832	2.00	ng/uL	0.00
5) Phenol-d5	6.97	99	345603	10.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	235745	12.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	309755	11.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	252933	9.66	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	154694	12.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	167030	13.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	307370	11.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	300888	9.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	986461	13.43	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1192233	12.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	105489	8.37	ng/ul	0.00
57) Fluorene-d10	15.44	176	817585	13.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	53067	4.86	ng/ul	0.00
70) Anthracene-d10	17.29	188	1221818	13.09	ng/ul	0.00
78) Pyrene-d10	19.59	212	1228531	13.12	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1254640	12.50	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	13.90	163	424178	5.765	ng/ul 100
47) Acenaphthylene	14.17	152	172384	1.912	ng/ul 99
49) Acenaphthene	14.51	153	108661	1.727	ng/ul 98
58) Fluorene	15.50	166	112280	1.571	ng/ul 99
69) Phenanthrene	17.24	178	2674075	24.864	ng/ul 99
71) Anthracene	17.33	178	528269	4.792	ng/ul 99
74) Carbazole	17.60	167	196753	2.052	ng/ul 99
76) Fluoranthene	19.26	202	5365481	43.535	ng/ul 98
79) Pvrene	19.62	202	4720790	39.469	ng/ul 99
82) Benzo(a)anthracene	21.36	228	2694109	22.289	ng/ul 97
84) Chrysene	21.41	228	2677610	23.873	ng/ul 98
87) Benzo(b)fluoranthene	22.98	252	3576132	27.835	ng/ul 98
88) Benzo(k)fluoranthene	23.01	252	981489m	7.993	ng/ul
90) Benzo(a)pyrene	23.56	252	2304989	18.858	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.98	276	1573101	10.897	ng/ul 97
92) Dibenzo(a,h)anthracene	25.99	278	445411	3.641	ng/ul# 81
93) Benzo(g,h,i)perylene	26.69	276	1181012	10.084	ng/ul 99

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



#44

Dimethylphthalate

Concen: 5.765 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020800.D

Acq: 07 Jun 2019 12:40

Instrument :

BNA_M

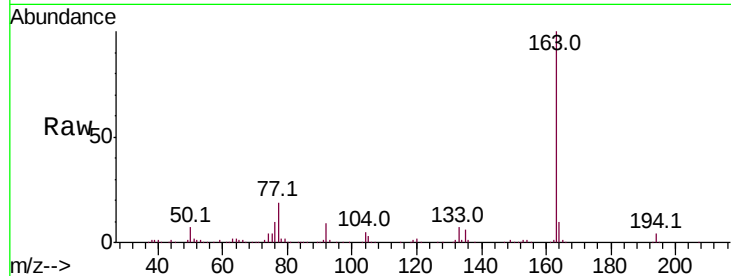
ClientSampleId :

C0AB7DL

Tot Ion:	163	Resp:	424178
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.2	4.8
164	10.1	8.0	12.0

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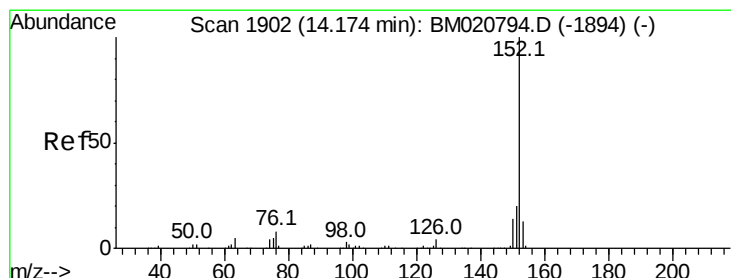
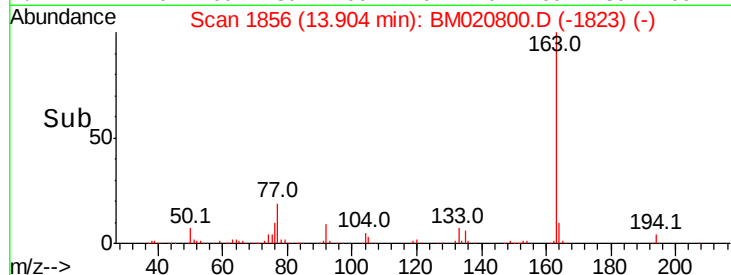
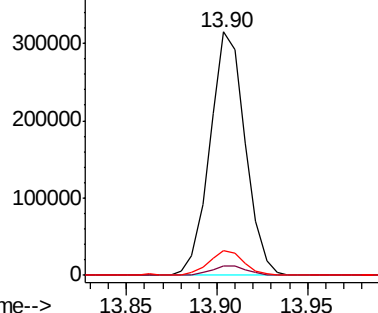


Abundance

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: 1.912 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BM020800.D

Acq: 07 Jun 2019 12:40

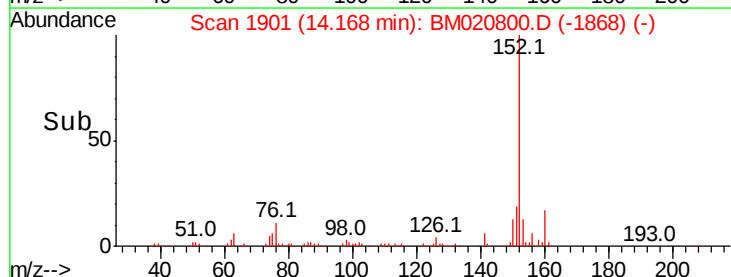
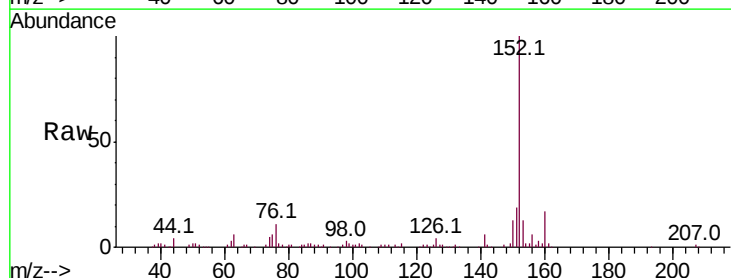
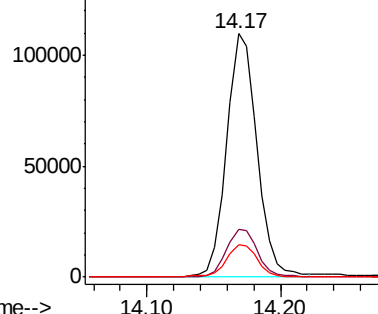
Tgt Ion:	152	Resp:	172384
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.2	24.2
153	13.5	10.6	15.8

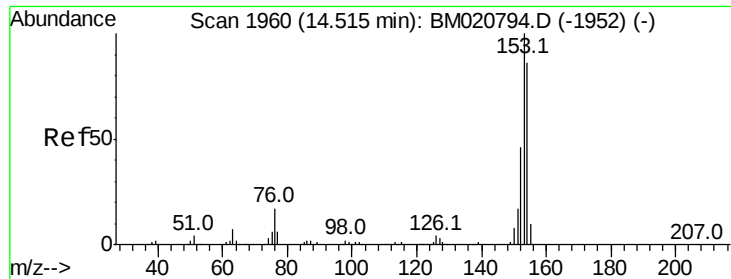
Abundance

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





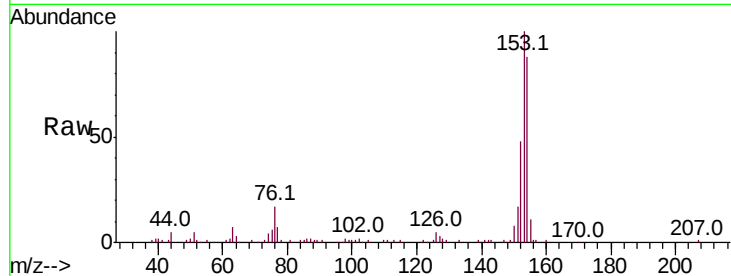
#49
Acenaphthene
Concen: 1.727 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

Instrument :
BNA_M
ClientSampleID :
C0AB7DL

Tot Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.3	55.9
154	87.6	68.7	103.1

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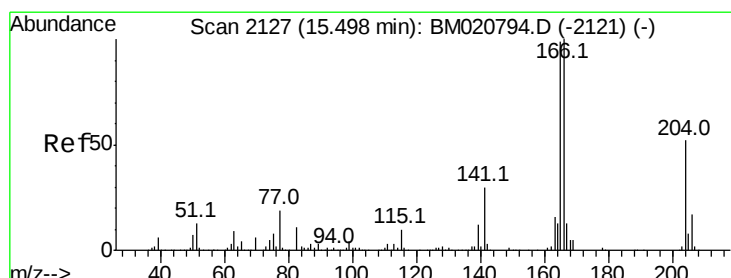
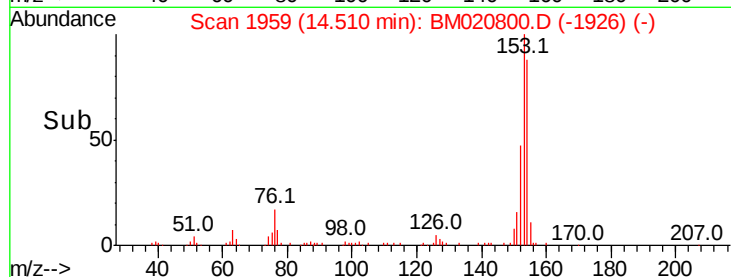
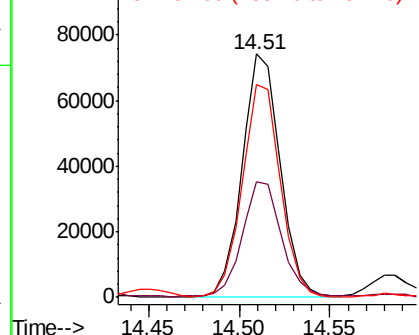


Abundance

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



#58
Fluorene
Concen: 1.571 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

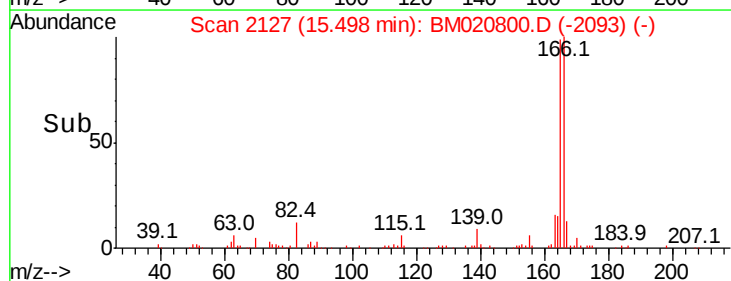
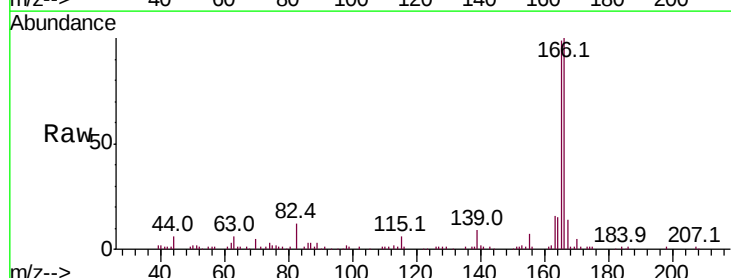
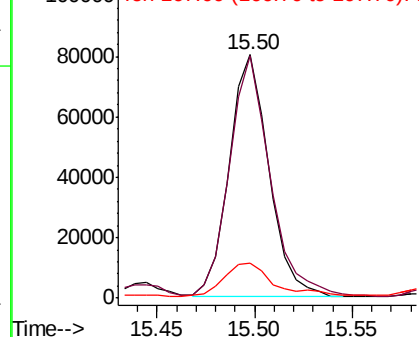
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.6	117.8
167	14.2	10.8	16.2

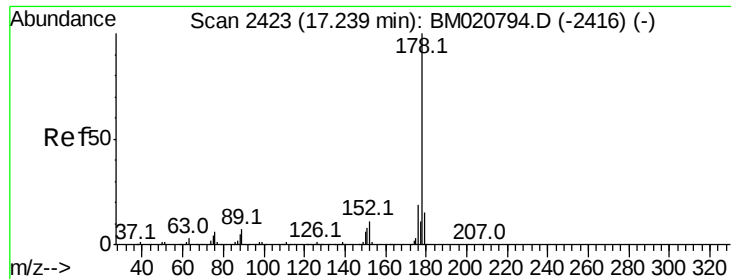
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69
Phenanthrene
Concen: 24.864 ng/ul
RT: 17.24 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

Instrument :
BNA_M
ClientSampleId :
C0AB7DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	18.9	14.8	22.2

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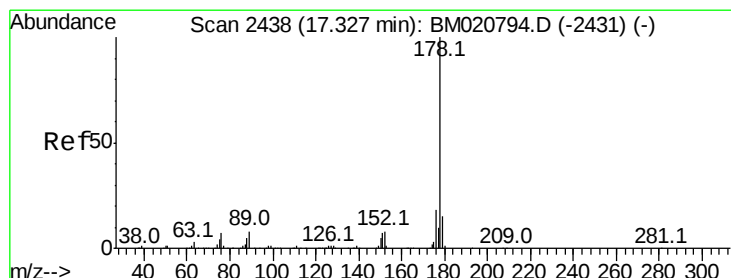
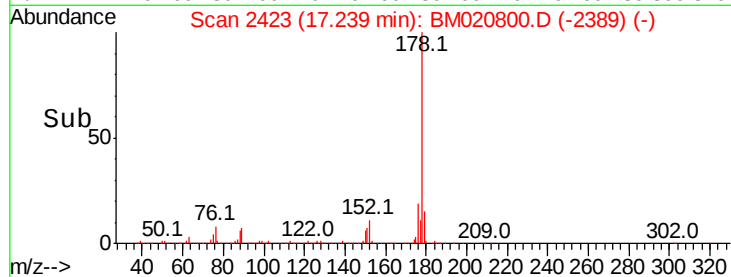
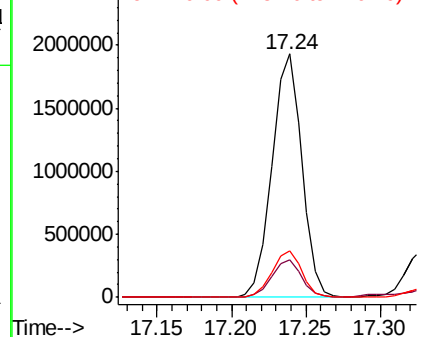


Abundance

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



#71
Anthracene
Concen: 4.792 ng/ul
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

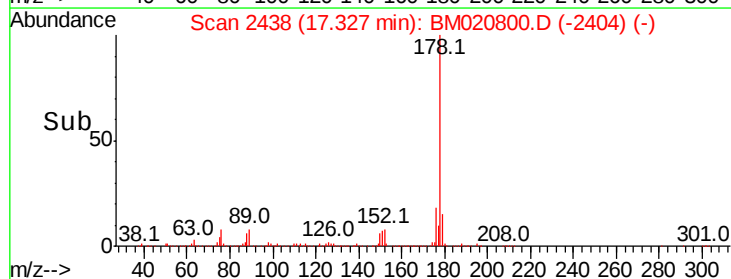
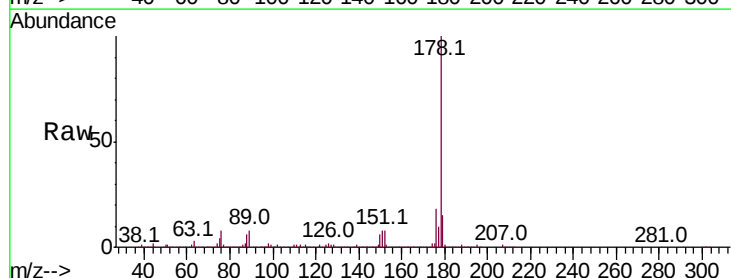
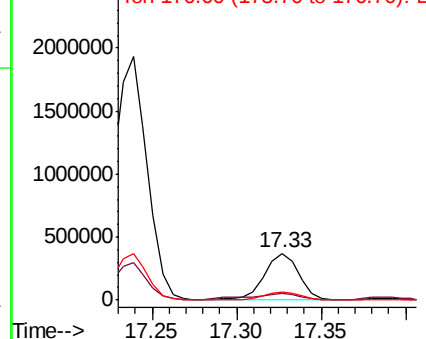
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	17.9	14.9	22.3

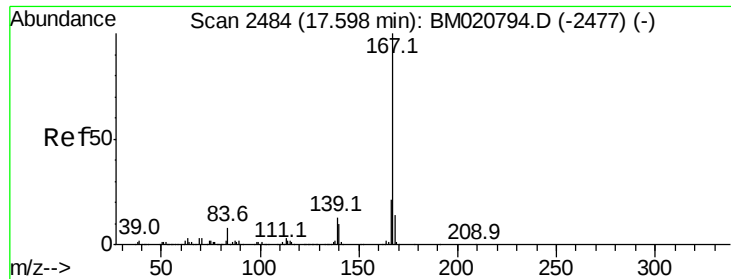
Abundance

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





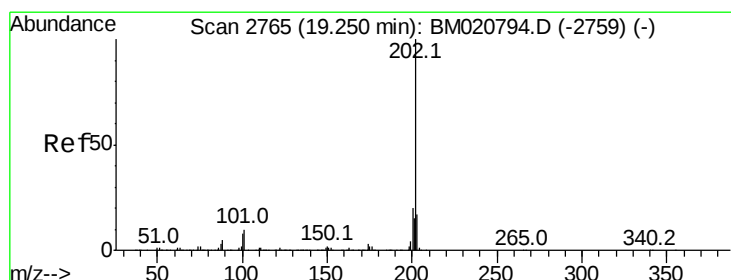
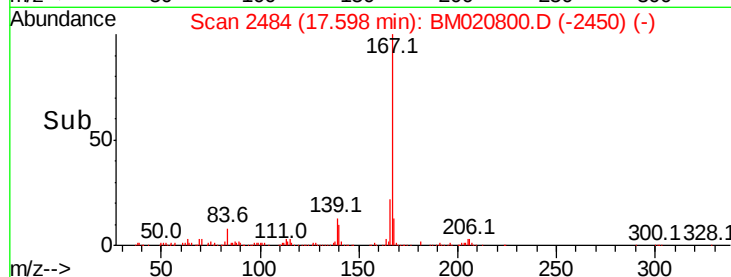
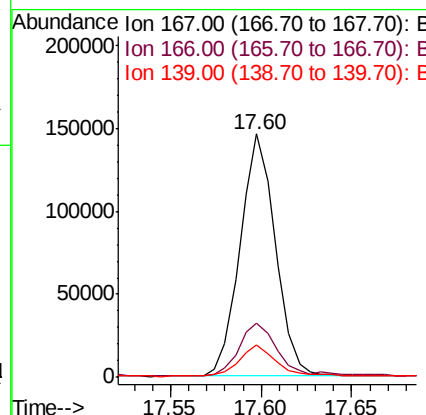
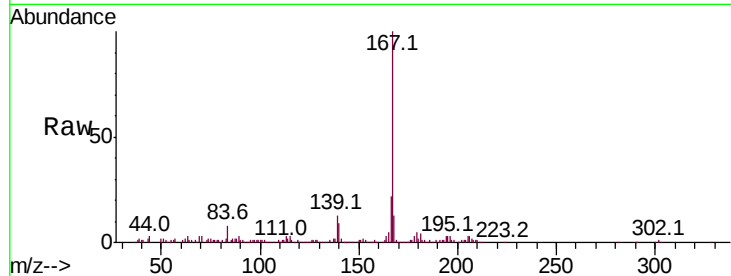
#74
 Carbazole
 Concen: 2.052 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020800.D
 Acq: 07 Jun 2019 12:40

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7DL

Tot Ion	Ratio	Resp	Lower	Upper
167	100	196753		
166	22.1		17.0	25.6
139	13.3		10.5	15.7

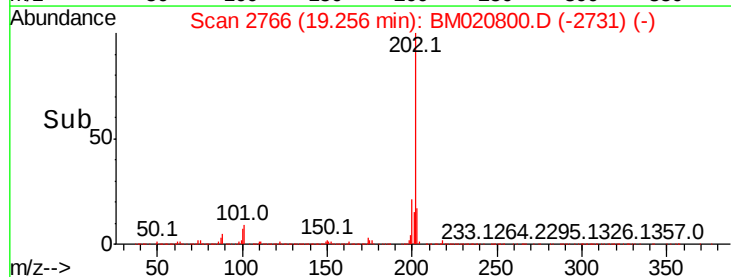
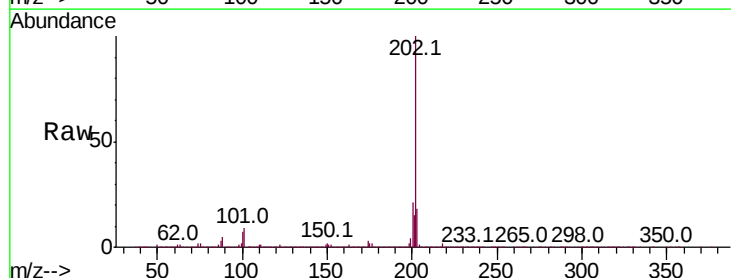
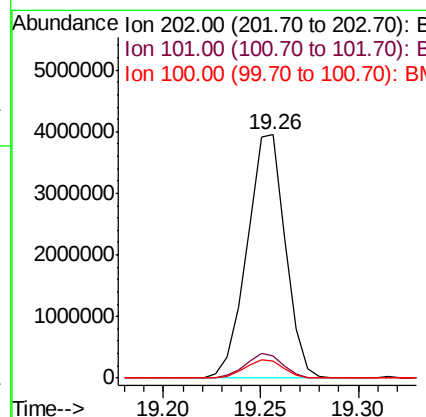
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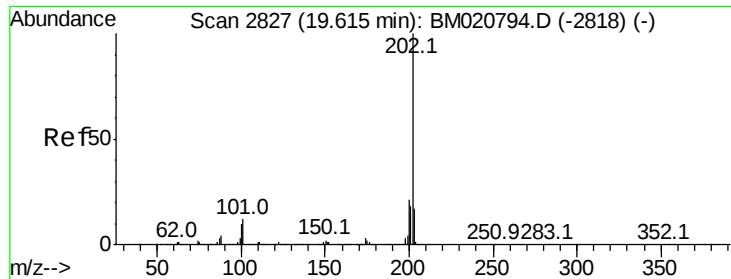
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#76
 Fluoranthene
 Concen: 43.535 ng/ul
 RT: 19.26 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BM020800.D
 Acq: 07 Jun 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	5365481		
101	9.1		7.9	11.9
100	7.0		6.2	9.4





#79

Pvrene

Concen: 39.469 ng/ul

RT: 19.62 min Scan# 2827

Delta R.T. -0.00 min

Lab File: BM020800.D

Acq: 07 Jun 2019 12:40

Instrument :

BNA_M

ClientSampleId :

C0AB7DL

Tot Ion:202 Resp: 4720790

Ion Ratio Lower Upper

202 100

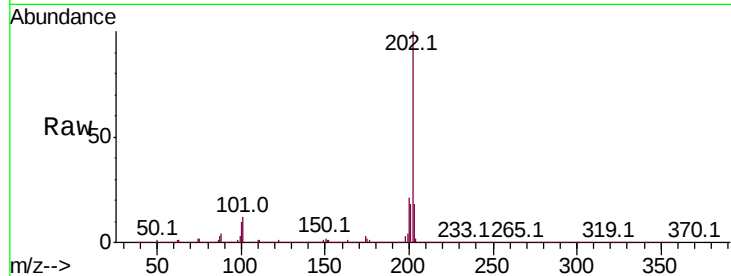
101 11.7 9.8 14.6

100 9.6 8.0 12.0

Manual Integrations
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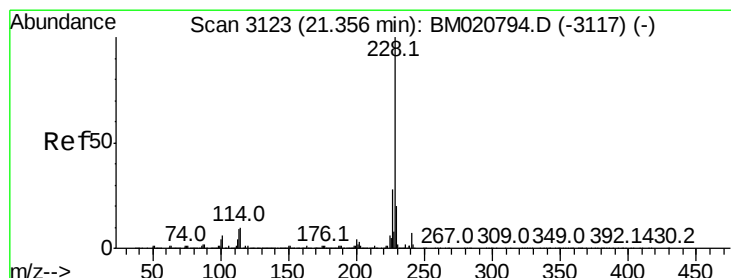
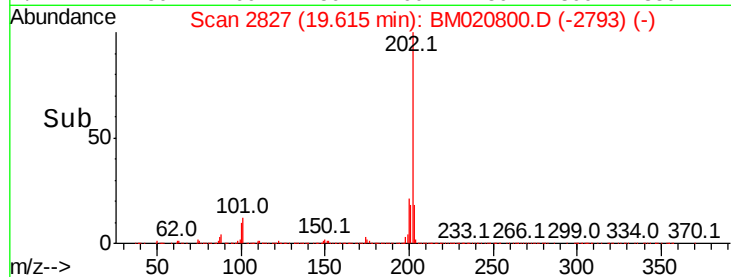
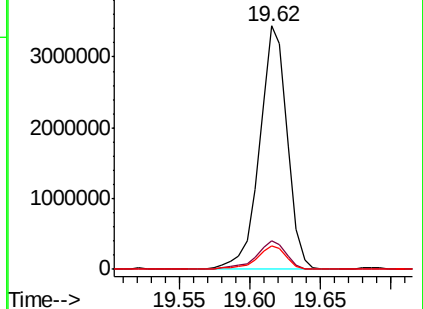
6/14/2019 8:41:37 AM



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): E



#82

Benzo(a)anthracene

Concen: 22.289 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020800.D

Acq: 07 Jun 2019 12:40

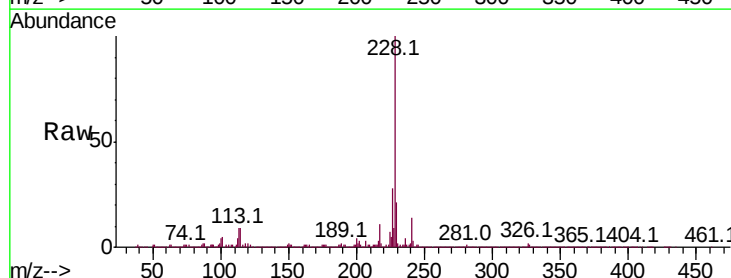
Tgt Ion:228 Resp: 2694109

Ion Ratio Lower Upper

228 100

229 20.6 15.6 23.4

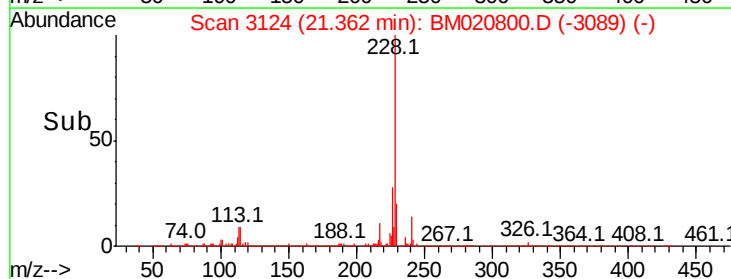
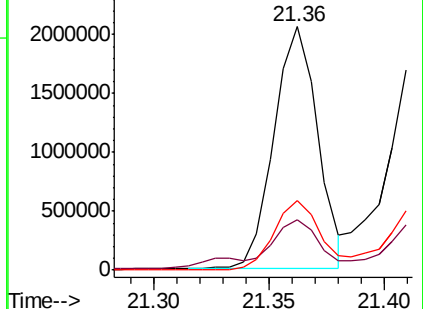
226 28.3 21.4 32.2

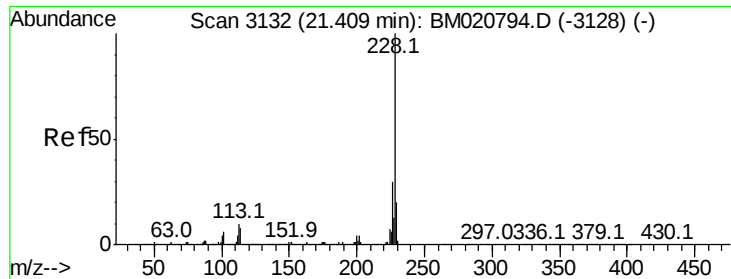


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 23.873 ng/ul

RT: 21.41 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020800.D

Acq: 07 Jun 2019 12:40

Instrument :

BNA_M

ClientSampled :

C0AB7DL

Tot Ion:228 Resp: 2677610

Ion Ratio Lower Upper

228 100

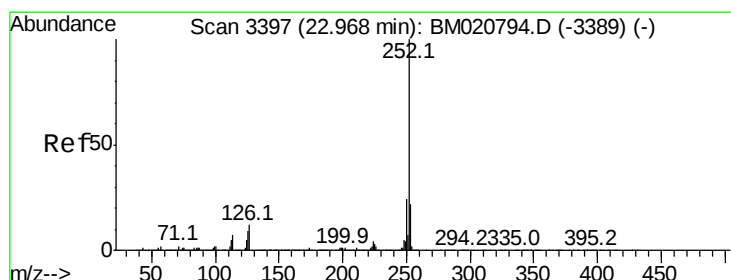
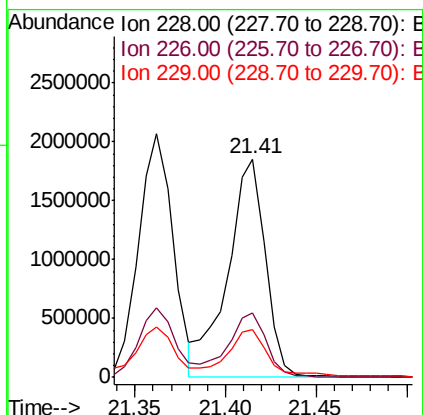
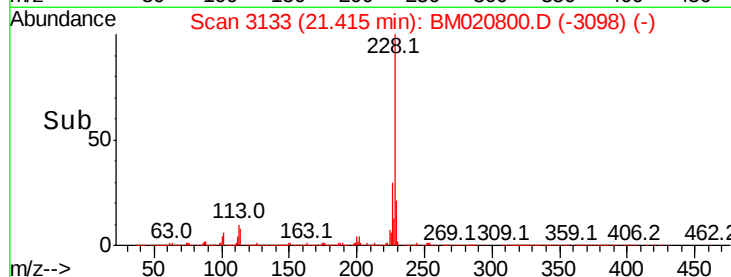
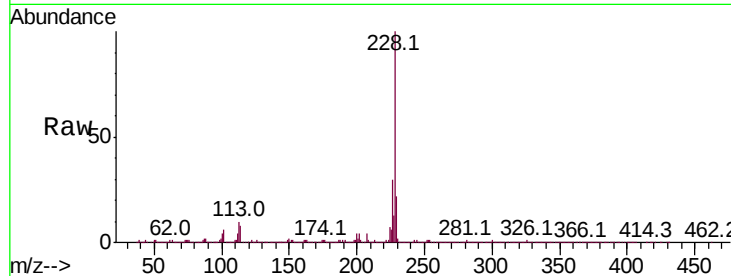
226 29.7 24.4 36.6

229 21.9 16.2 24.2

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 27.835 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

Lab File: BM020800.D

Acq: 07 Jun 2019 12:40

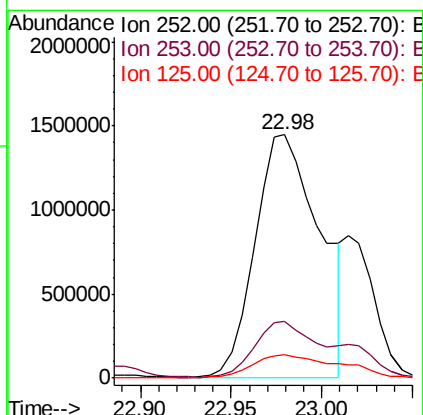
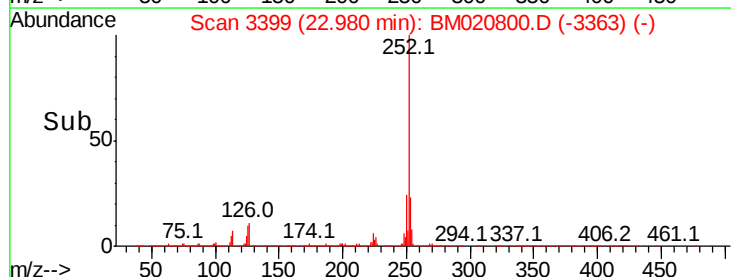
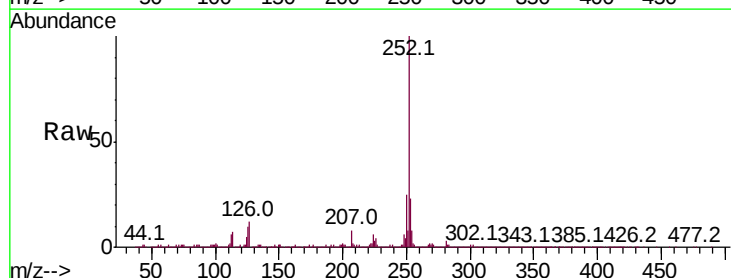
Tgt Ion:252 Resp: 3576132

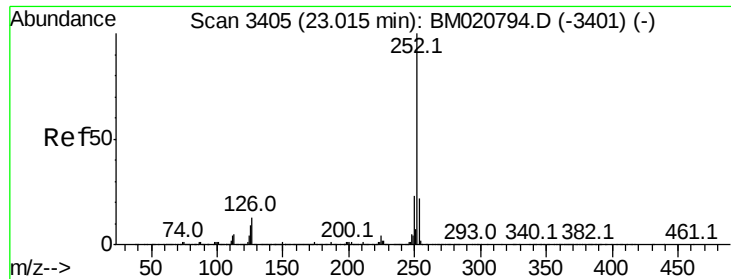
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 9.8 7.3 10.9





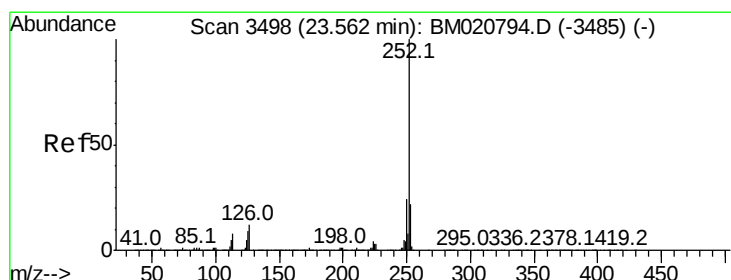
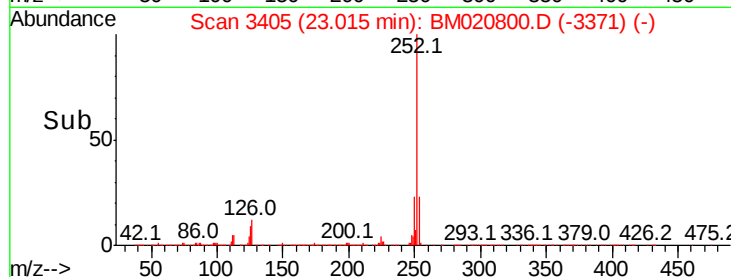
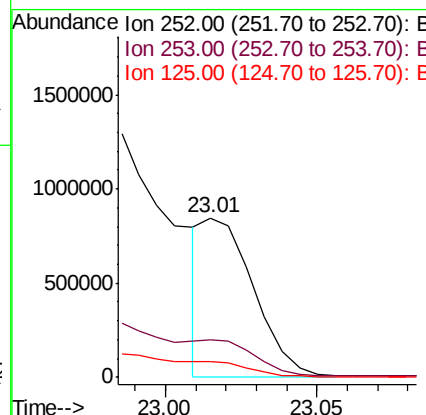
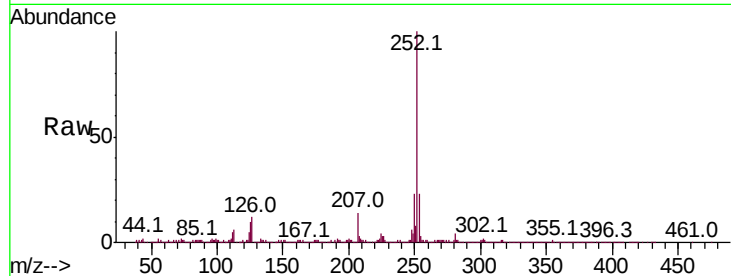
#88
Benzo(k)fluoranthene
Concen: 7.993 ng/ul m
RT: 23.01 min Scan# 3405
Delta R.T. -0.00 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

Instrument :
BNA_M
ClientSampleId :
C0AB7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	9.5	7.3	10.9

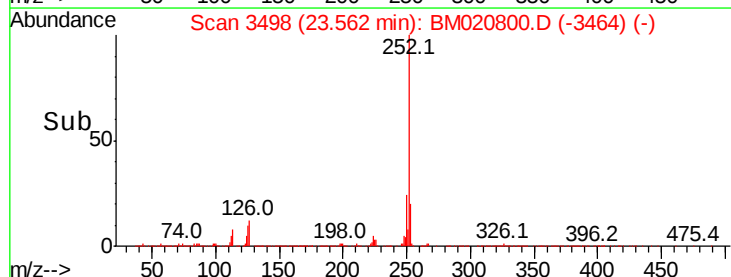
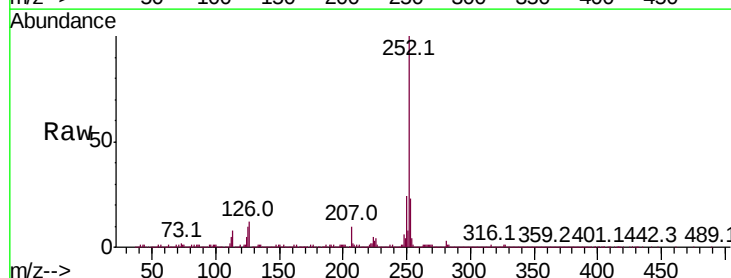
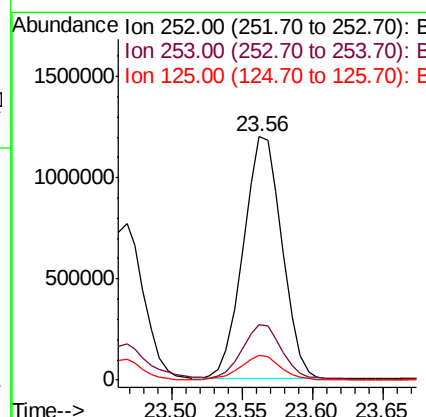
Manual Integrations
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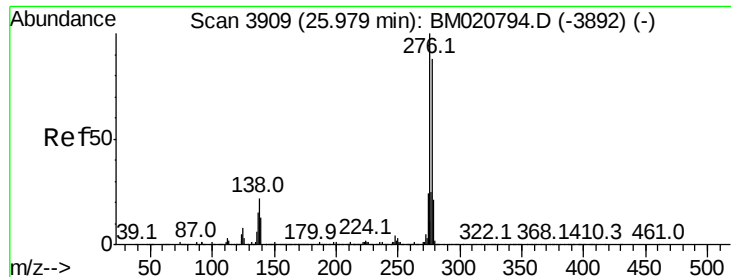
mohammad
6/14/2019 8:41:37 AM



#90
Benzo(a)pyrene
Concen: 18.858 ng/ul
RT: 23.56 min Scan# 3498
Delta R.T. -0.00 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.1	8.2	12.4





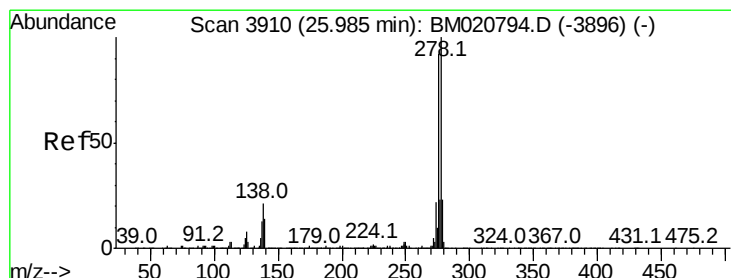
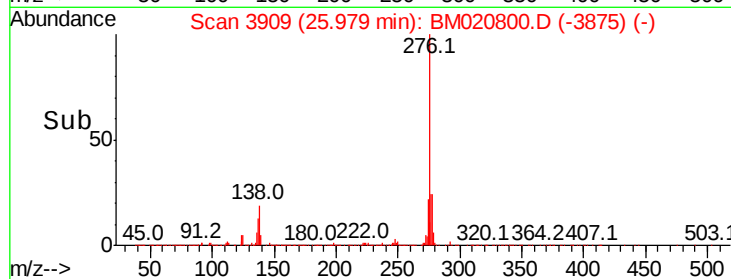
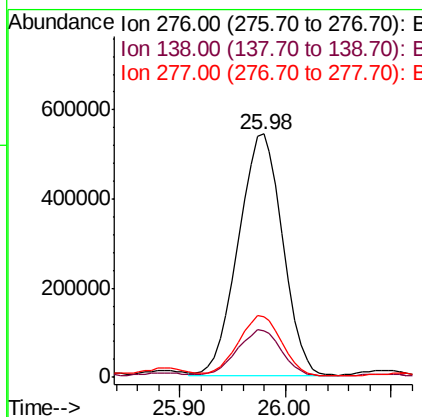
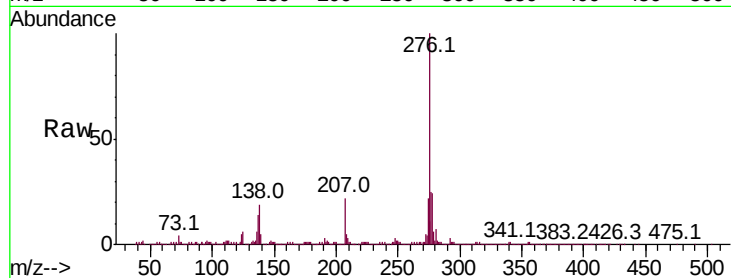
#91
Indeno(1,2,3-cd)pyrene
Concen: 10.897 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

Instrument :
BNA_M
ClientSampleId :
C0AB7DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	17.8	26.8
277	24.7	20.0	30.0

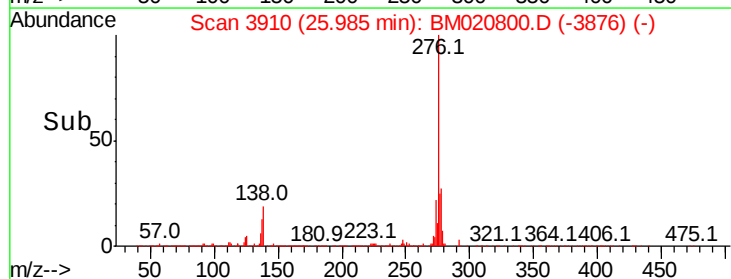
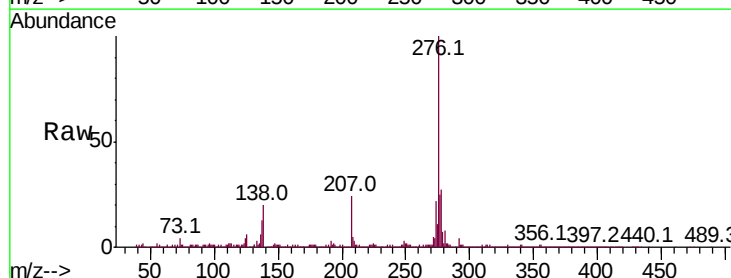
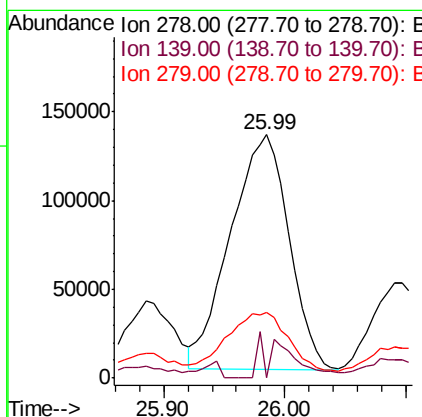
Manual Integrations
APPROVED

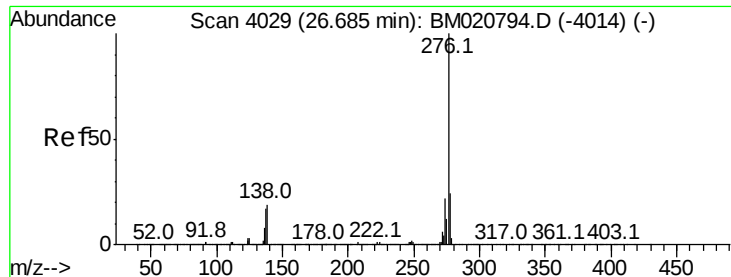
mohammad
6/14/2019 8:41:37 AM



#92
Dibenzo(a,h)anthracene
Concen: 3.641 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. -0.00 min
Lab File: BM020800.D
Acq: 07 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.6	17.4#
279	27.2	18.6	28.0





#93
 Benzo(a,h,i)perylene
 Concen: 10.084 ng/ul
 RT: 26.69 min Scan# 4030
 Delta R.T. 0.01 min
 Lab File: BM020800.D
 Acq: 07 Jun 2019 12:40

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7DL

Tot Ion:	276	Resp:	1181012
Ion Ratio	Lower	Upper	
276	100		
138	19.7	16.6	25.0
277	24.7	19.6	29.4

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:41:37 AM

