

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020796.D
 Acq On : 07 Jun 2019 10:16
 Operator : HP/JU
 Sample : K3201-17 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:41:29 AM

Quant Time: Jun 08 00:36:04 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	263799	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1066480	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	605964	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1364037	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1310815	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1507927	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	7702	1.39	ng/uL	0.00
5) Phenol-d5	6.97	99	138402	6.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	99286	8.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	131398	8.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	85056	5.24	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	66611	9.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	68473	9.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	129582	8.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	135474	7.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	420430	9.38	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	514004	9.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	43051	5.60	ng/ul	0.00
57) Fluorene-d10	15.44	176	358753	9.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	20441	2.93	ng/ul	0.00
70) Anthracene-d10	17.29	188	557757	9.36	ng/ul	0.00
78) Pyrene-d10	19.59	212	579202	9.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	603390	8.80	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	13.90	163	133701	2.979 ng/ul	97
47) Acenaphthylene	14.17	152	128681	2.340 ng/ul	98
49) Acenaphthene	14.51	153	68433	1.783 ng/ul	96
53) Dibenzofuran	14.85	168	57820	1.065 ng/ul	100
58) Fluorene	15.50	166	66744	1.531 ng/ul#	98
69) Phenanthrene	17.24	178	1459048	21.254 ng/ul	99
71) Anthracene	17.33	178	369090	5.245 ng/ul	99
74) Carbazole	17.60	167	168514	2.754 ng/ul	99
76) Fluoranthene	19.25	202	3300793	41.958 ng/ul	100
79) Pyrene	19.62	202	2996315	37.031 ng/ul	98
82) Benzo(a)anthracene	21.36	228	2120811	25.936 ng/ul	97
84) Chrysene	21.41	228	1959910	25.831 ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	3045196	34.715 ng/ul	98
88) Benzo(k)fluoranthene	23.01	252	953135m	11.368 ng/ul	
90) Benzo(a)pyrene	23.56	252	2189608	26.237 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.97	276	1491631	15.133 ng/ul	96
92) Dibenzo(a,h)anthracene	25.97	278	460829	5.518 ng/ul#	79
93) Benzo(g,h,i)perylene	26.69	276	1062295	13.284 ng/ul	99

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

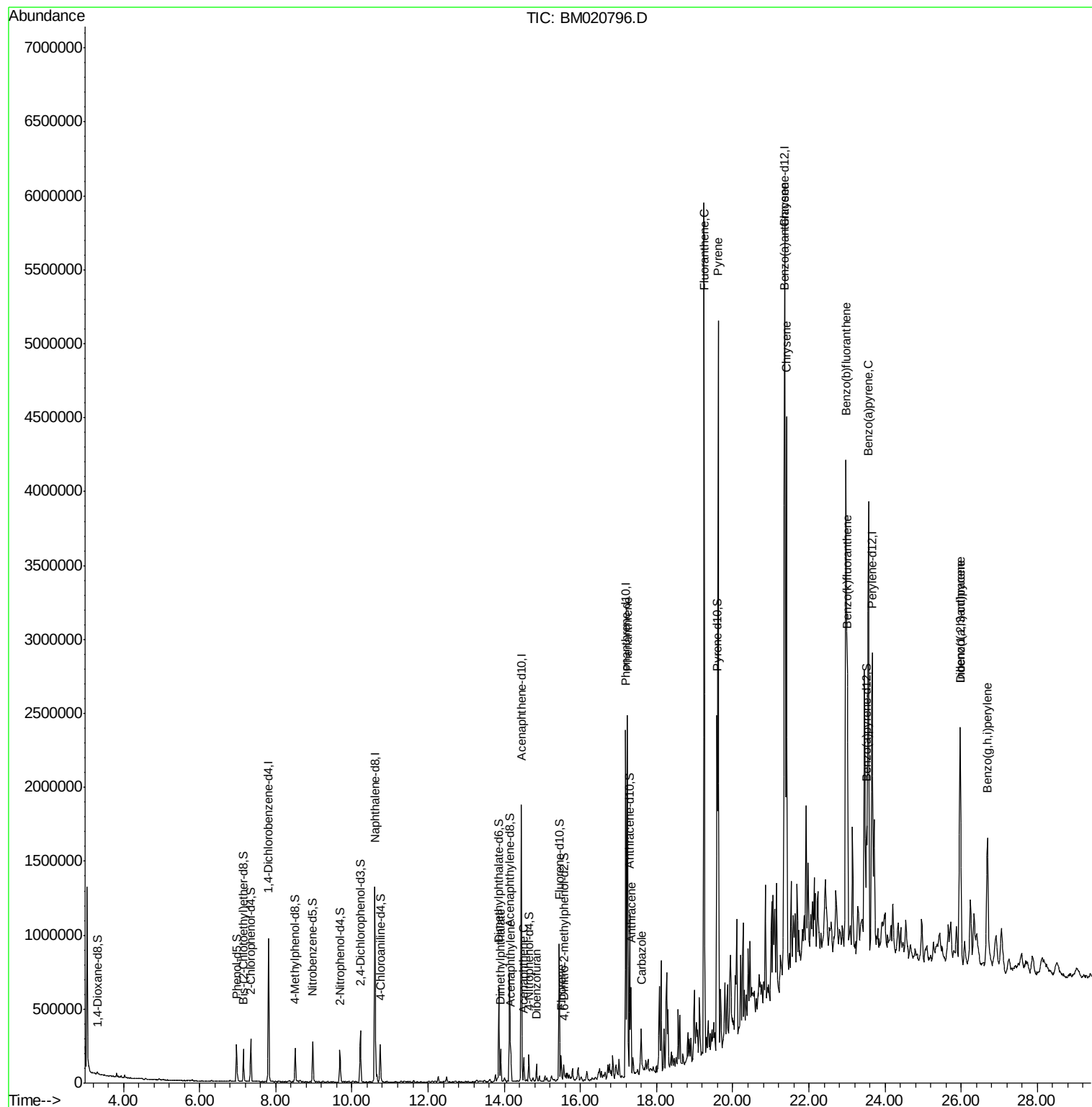
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020796.D
Acq On : 07 Jun 2019 10:16
Operator : HP/JU
Sample : K3201-17 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

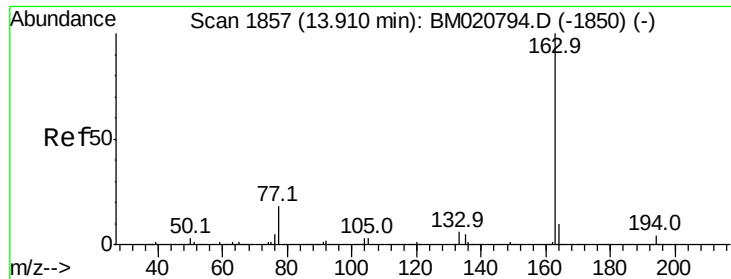
Instrument :
BNA_M
ClientSampled :
C0AC8

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Quant Time: Jun 08 00:36:04 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





#44

Dimethylphthalate

Concen: 2.979 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

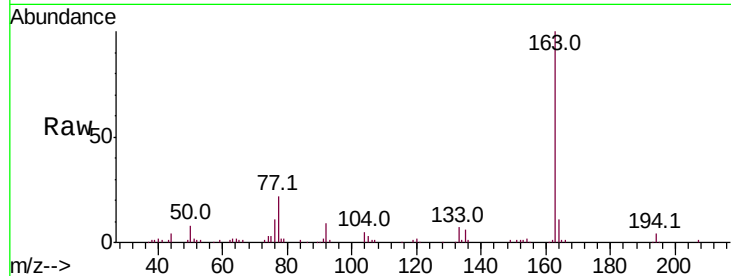
ClientSampleId :

C0AC8

Tot Ion:	163	Resp:	133701
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.2	4.8
164	11.5	8.0	12.0

Manual Integrations
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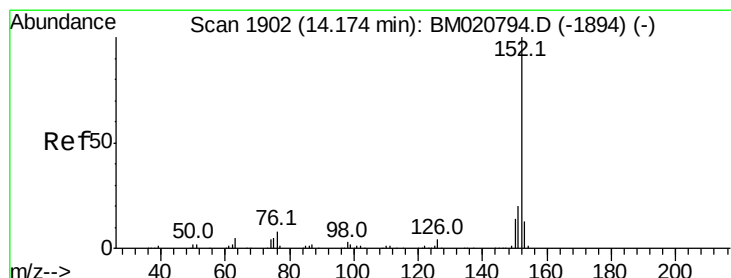
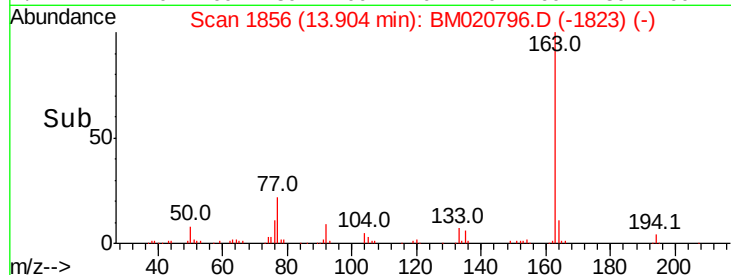
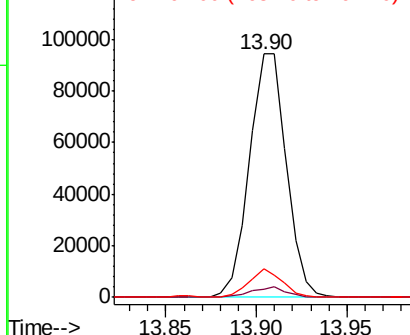


Abundance

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: 2.340 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

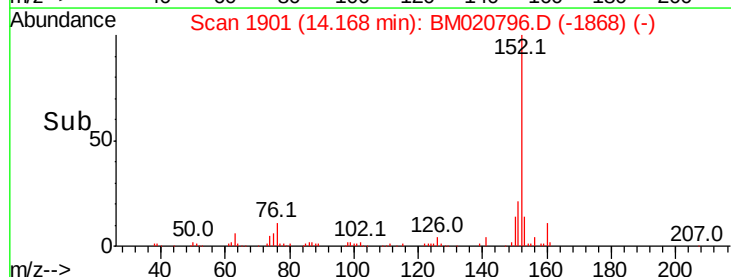
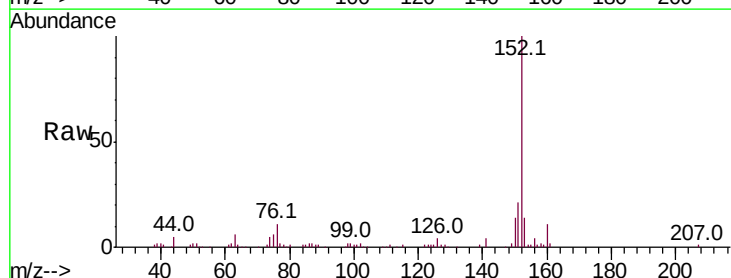
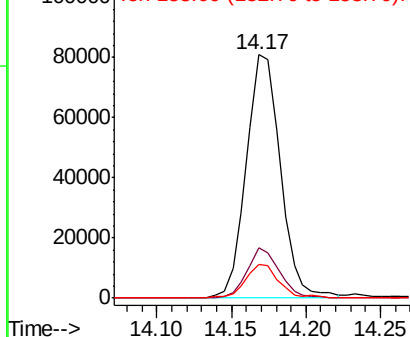
Tgt Ion:	152	Resp:	128681
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.2	24.2
153	14.0	10.6	15.8

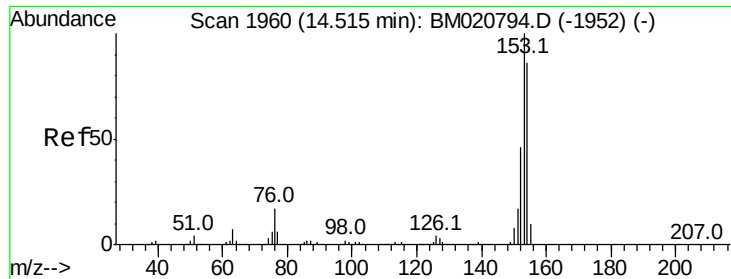
Abundance

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





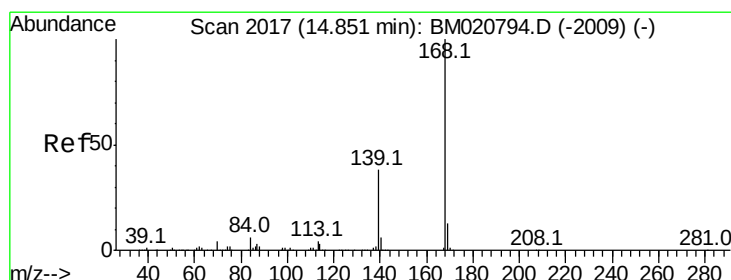
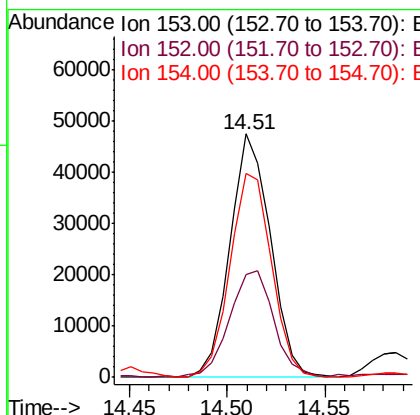
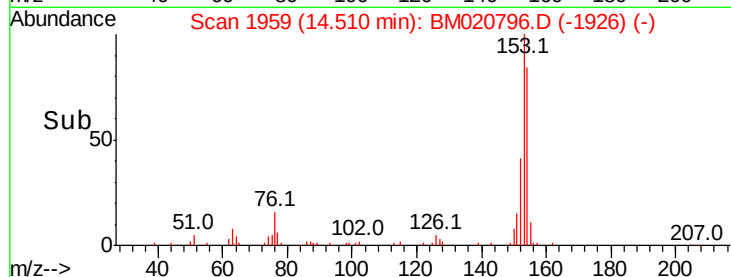
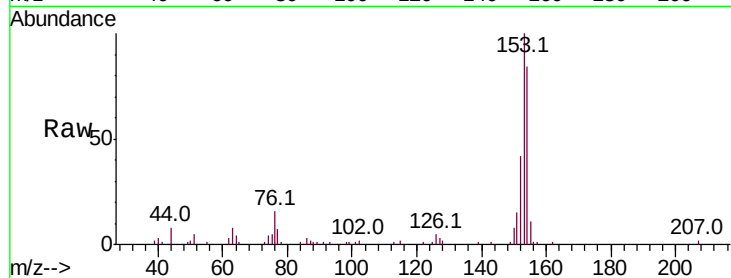
#49
Acenaphthene
Concen: 1.783 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Instrument :
BNA_M
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
153	100		
152	42.4	37.3	55.9
154	83.9	68.7	103.1

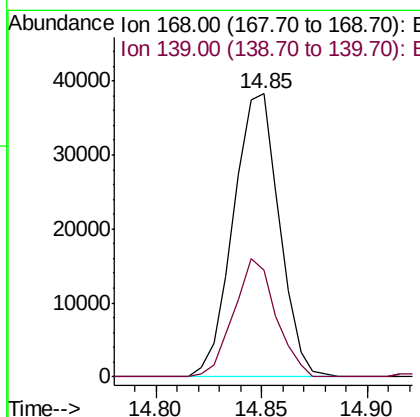
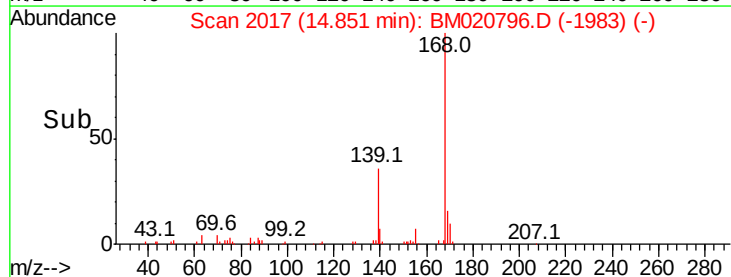
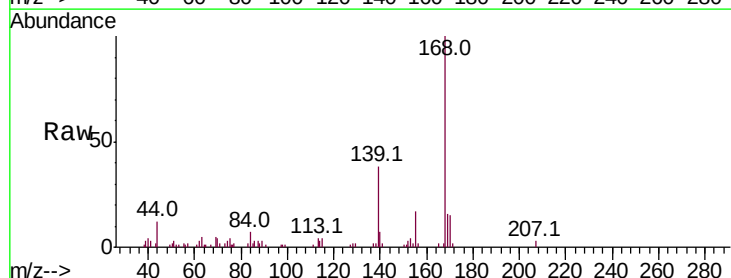
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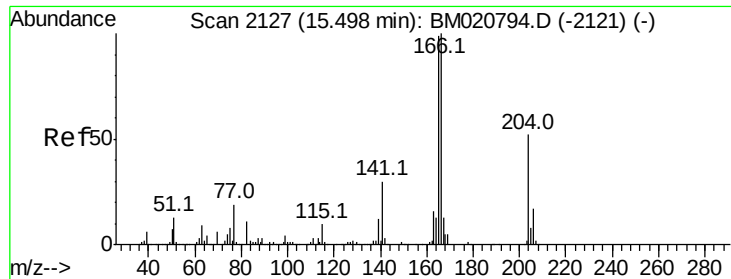
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#53
Dibenzofuran
Concen: 1.065 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.4	45.6





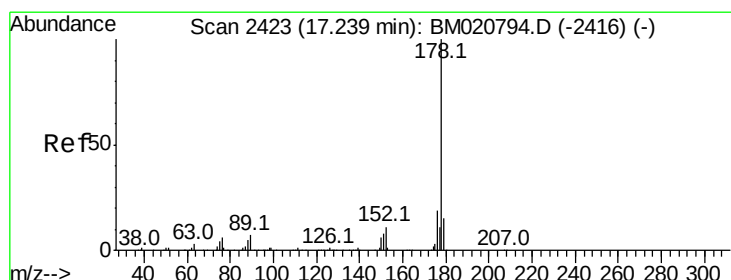
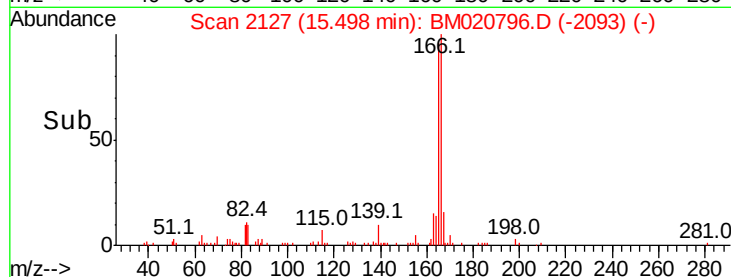
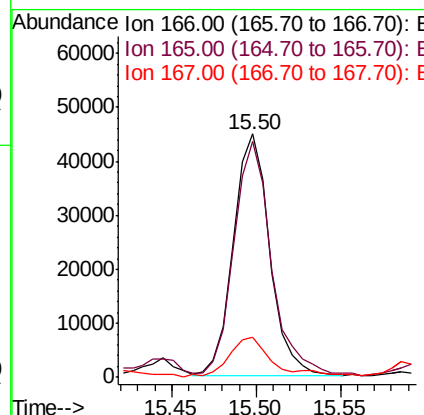
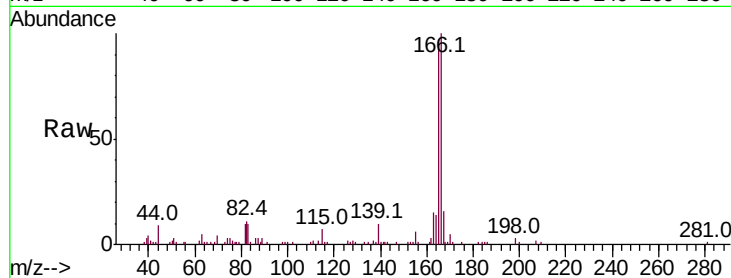
#58
 Fluorene
 Concen: 1.531 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.6	117.8
167	16.4	10.8	16.2#

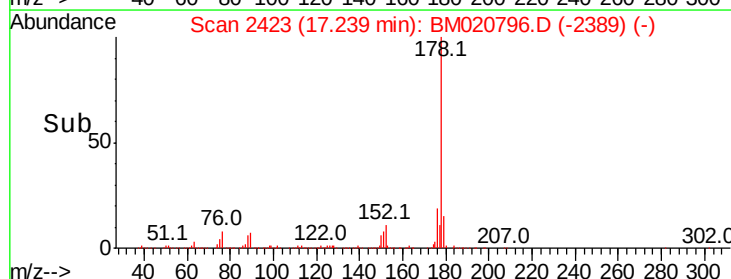
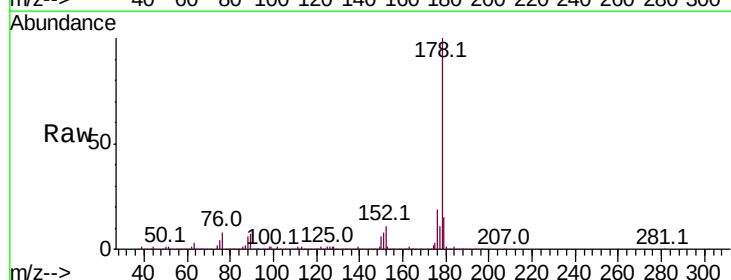
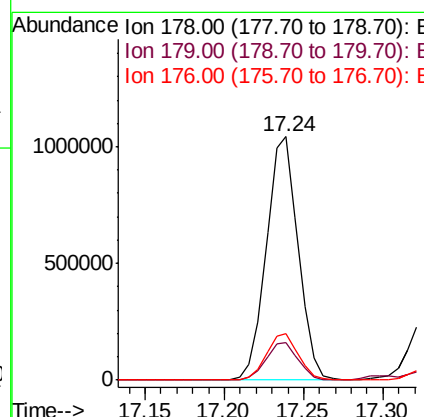
Manual Integrations
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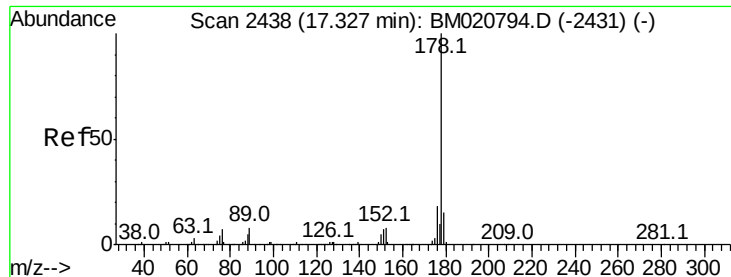
mohammad
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#69
 Phenanthrene
 Concen: 21.254 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.1	14.8	22.2





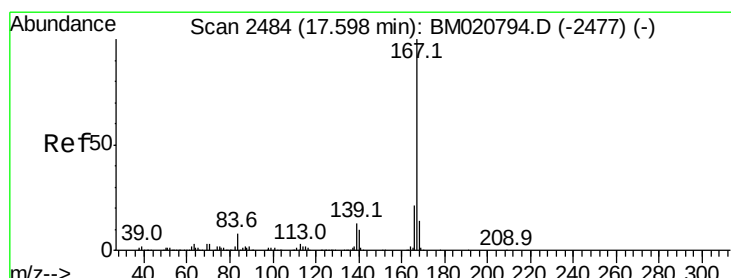
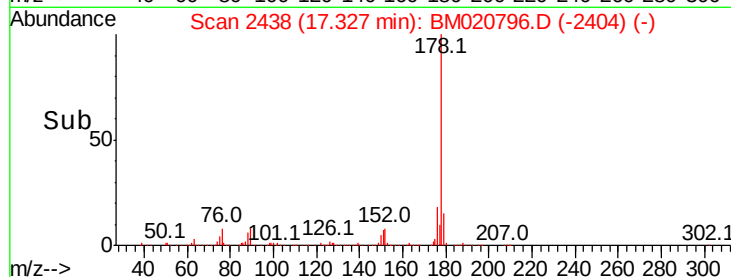
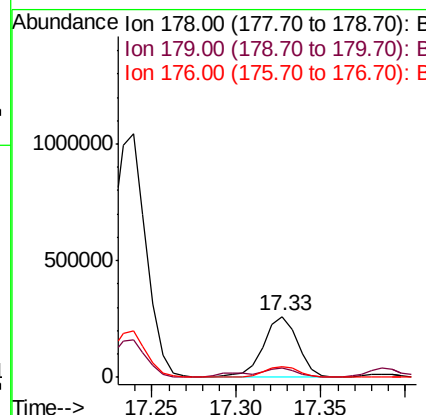
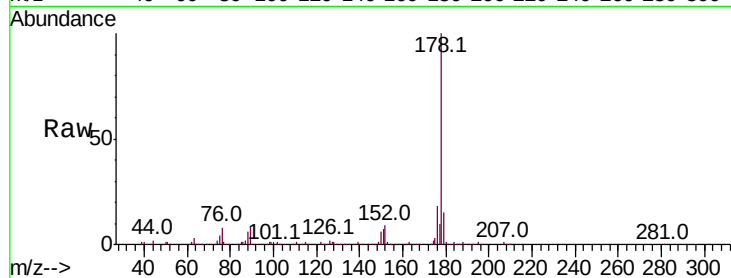
#71
 Anthracene
 Concen: 5.245 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Instrument :
 BNA_M
 ClientSampled :
 C0AC8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.1	18.1
176	18.3	14.9	22.3

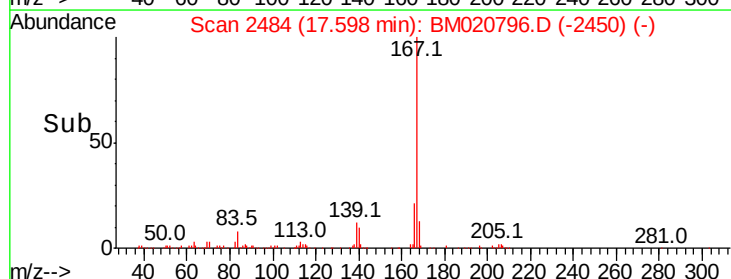
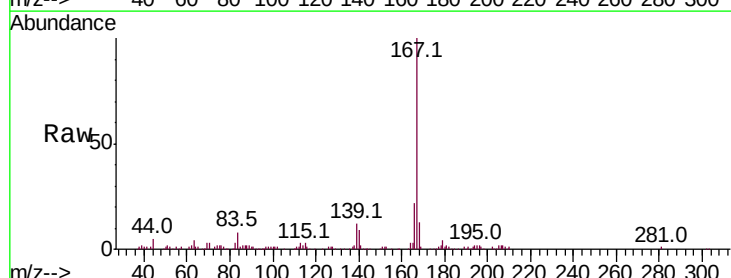
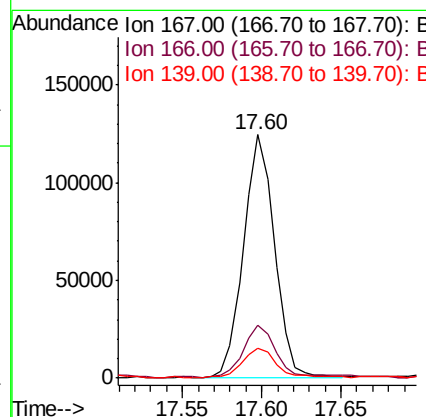
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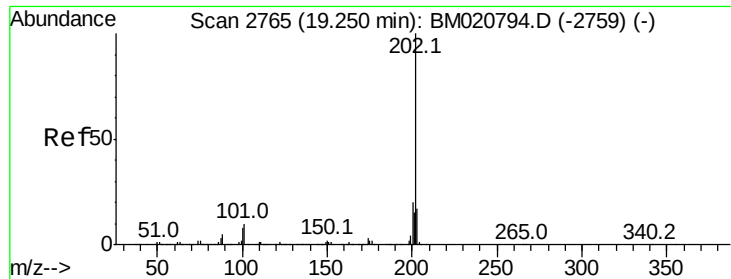
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#74
 Carbazole
 Concen: 2.754 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	12.4	10.5	15.7





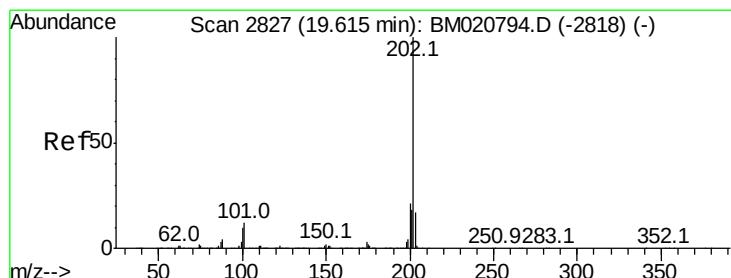
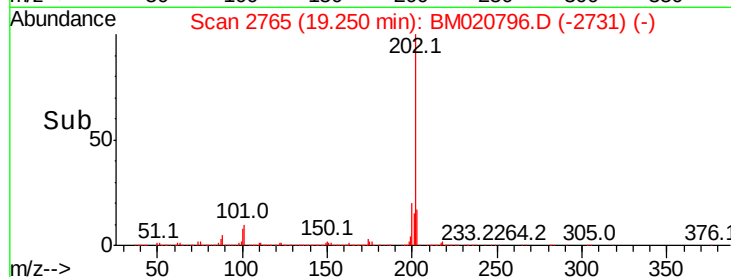
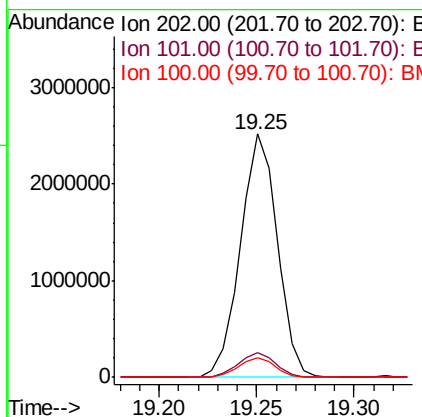
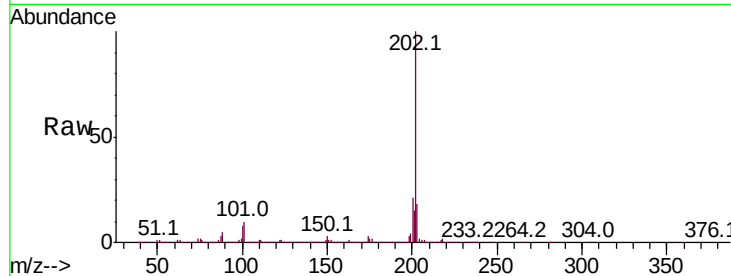
#76
 Fluoranthene
 Concen: 41.958 ng/ul
 RT: 19.25 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.9	11.9
100	7.8	6.2	9.4

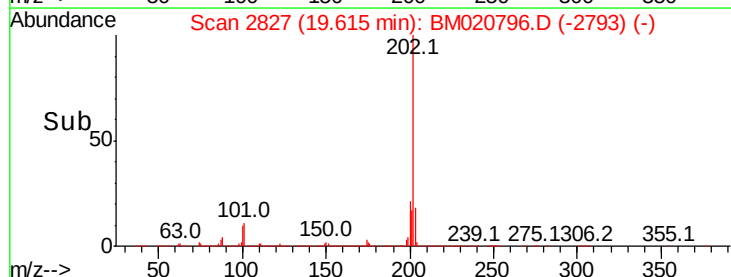
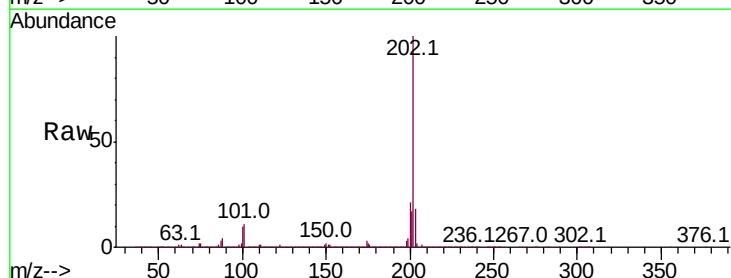
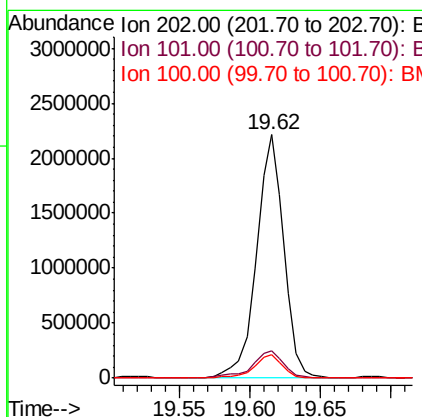
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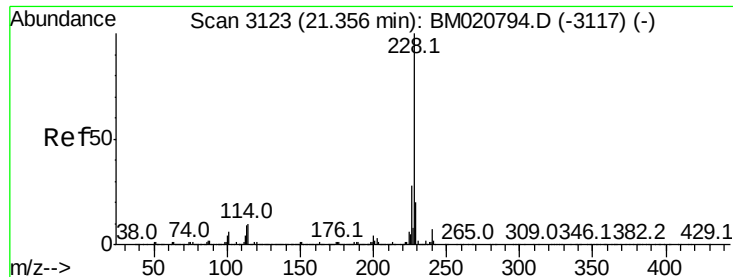
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#79
 Pyrene
 Concen: 37.031 ng/ul
 RT: 19.62 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: BM020796.D
 Acq: 07 Jun 2019 10:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.6
100	9.6	8.0	12.0





#82

Benzo(a)anthracene

Concen: 25.936 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

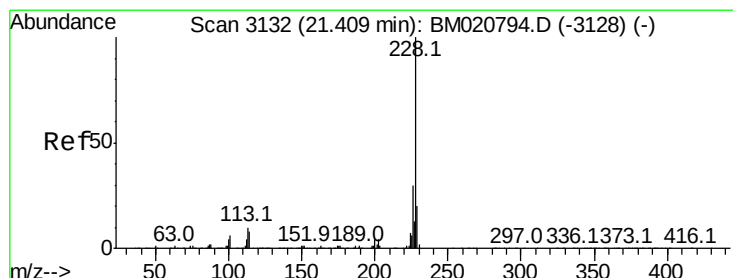
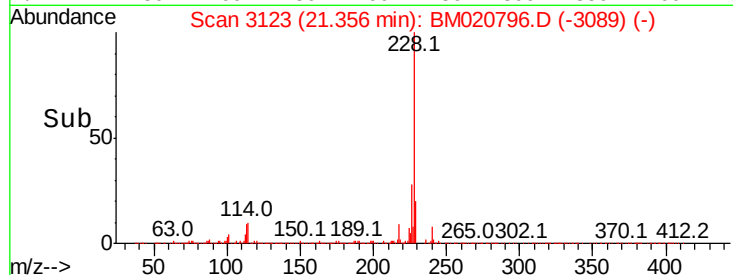
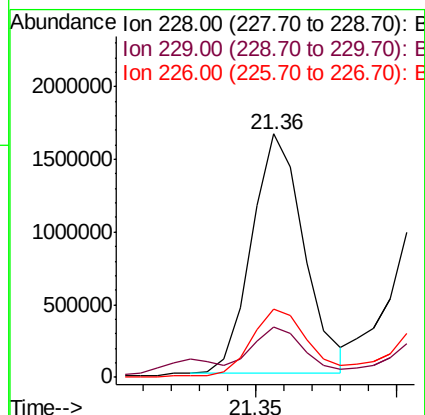
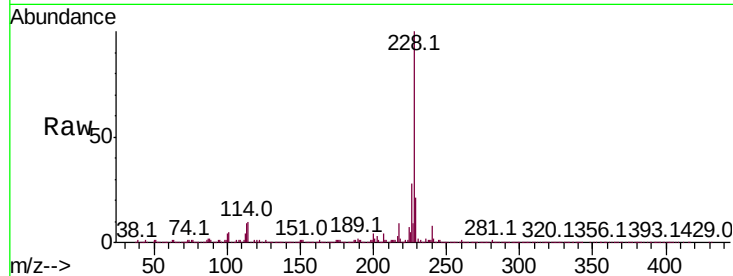
ClientSampleId :

C0AC8

Tot Ion:	228	Resp:	2120811
Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.6	23.4
226	28.0	21.4	32.2

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#84

Chrysene

Concen: 25.831 ng/ul

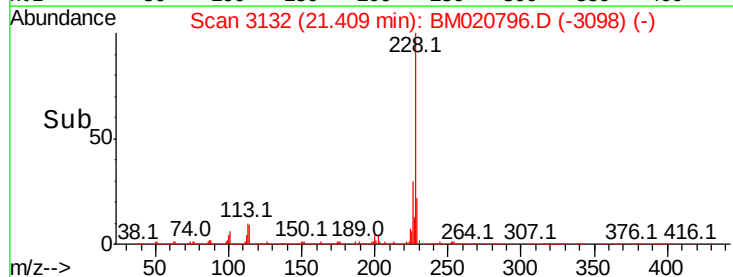
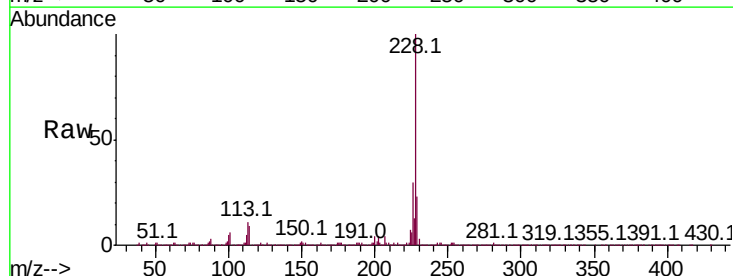
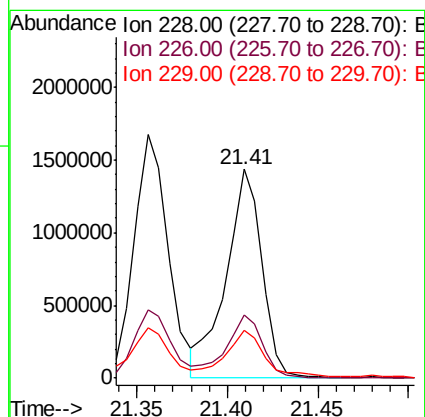
RT: 21.41 min Scan# 3132

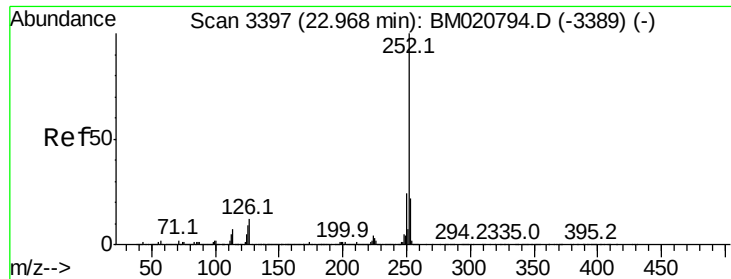
Delta R.T. 0.00 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Tgt Ion:	228	Resp:	1959910
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	23.0	16.2	24.2





#87

Benzo(b)fluoranthene

Concen: 34.715 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

Instrument :

BNA_M

ClientSampleId :

C0AC8

Tot Ion:252 Resp: 3045196

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

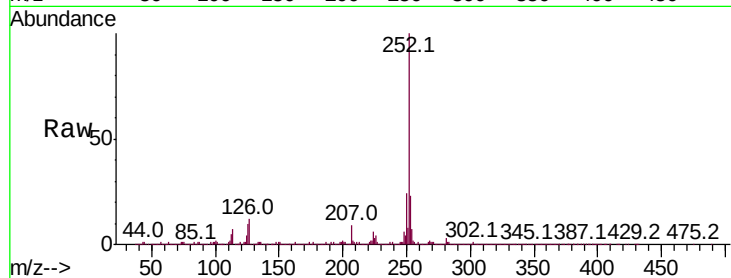
125 9.7 7.3 10.9

Manual Integrations

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mohammad

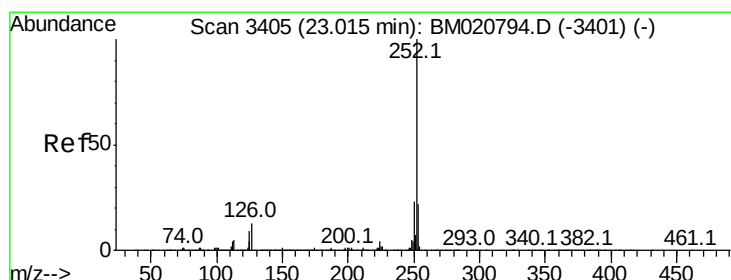
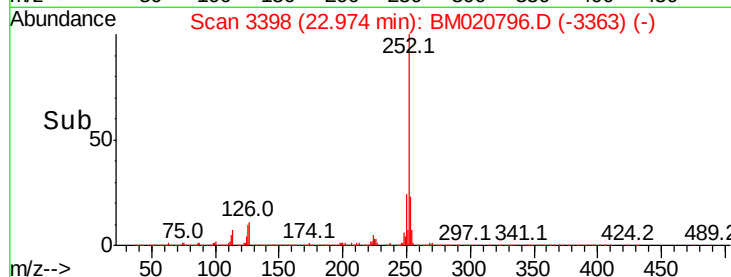
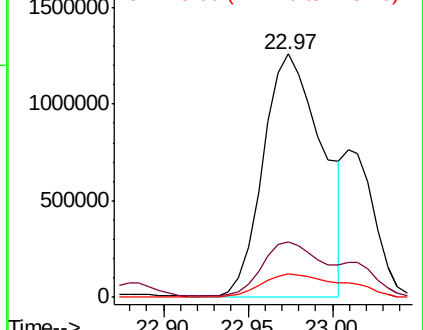
6/14/2019 8:41:29 AM



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: 11.368 ng/ul m

RT: 23.01 min Scan# 3404

Delta R.T. -0.01 min

Lab File: BM020796.D

Acq: 07 Jun 2019 10:16

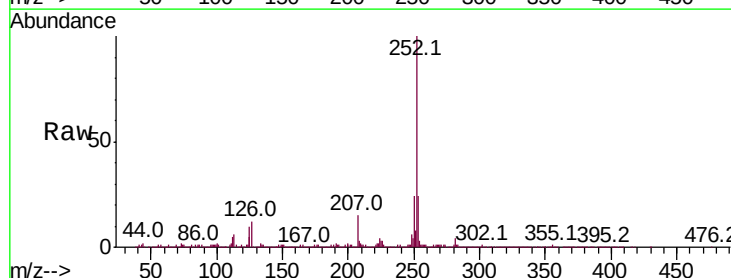
Tgt Ion:252 Resp: 953135

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

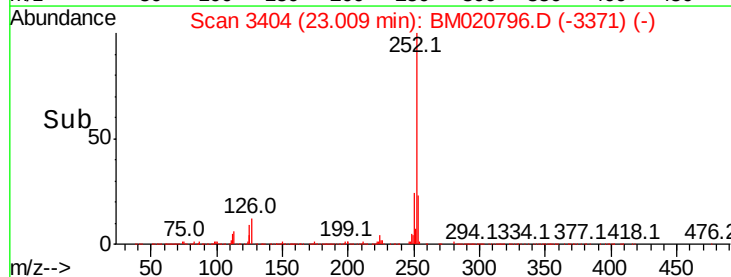
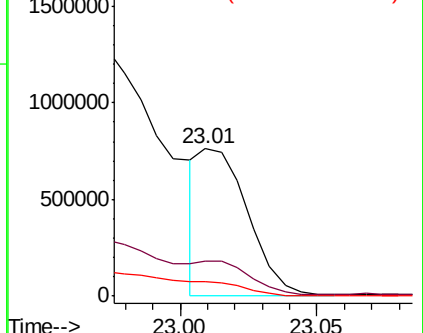
125 9.7 7.3 10.9

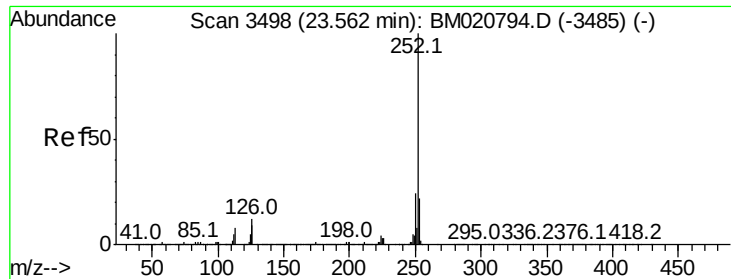


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





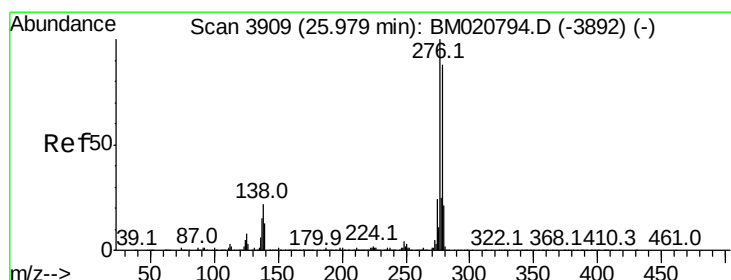
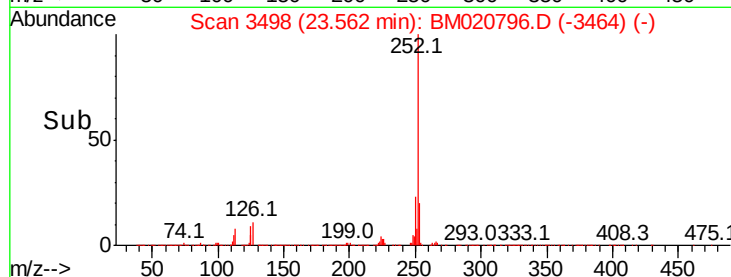
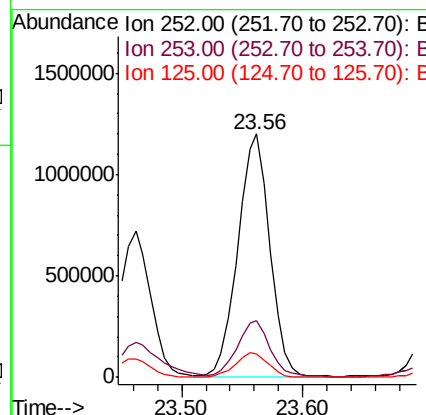
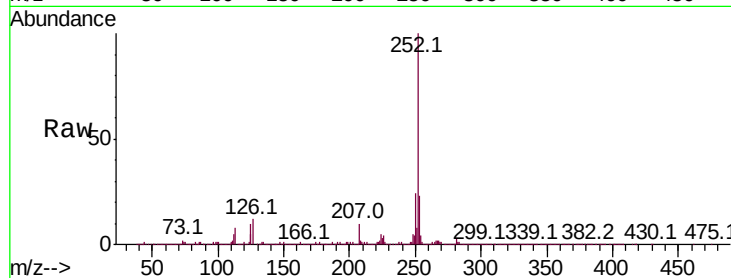
#90
Benzo(a)pyrene
Concen: 26.237 ng/ul
RT: 23.56 min Scan# 3498
Delta R.T. 0.00 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Instrument :
BNA_M
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	9.9	8.2	12.4

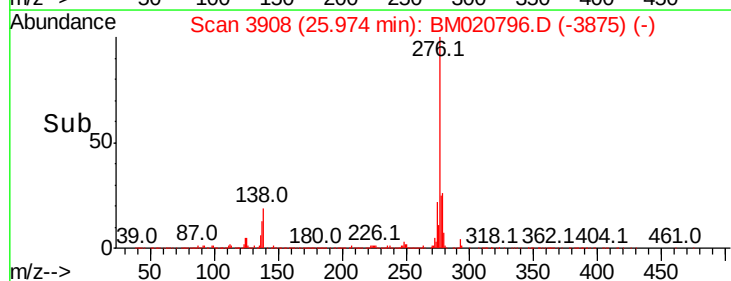
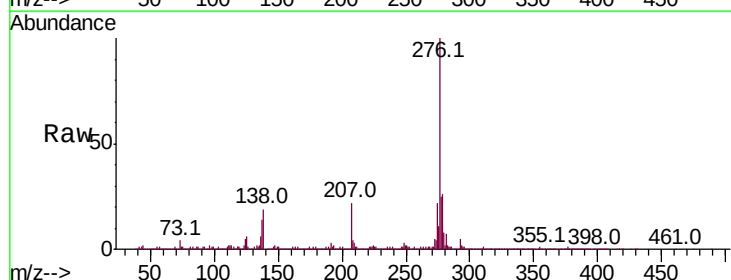
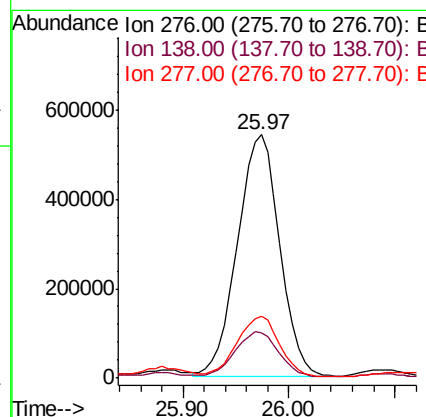
Manual Integrations
APPROVED

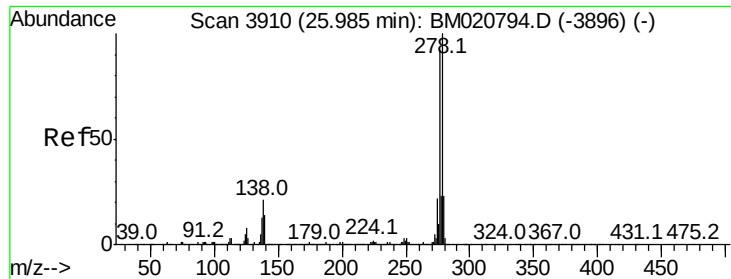
mohammad
6/14/2019 8:41:29 AM



#91
Indeno(1,2,3-cd)pyrene
Concen: 15.133 ng/ul
RT: 25.97 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	17.8	26.8
277	25.4	20.0	30.0





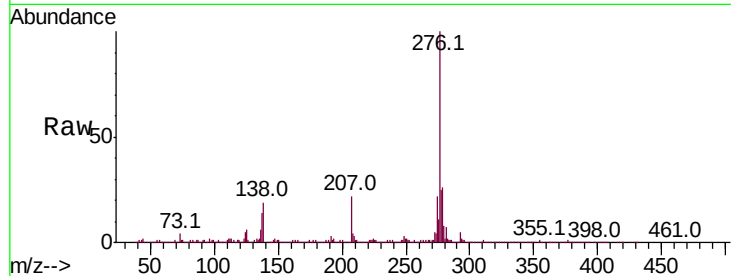
#92
Dibenzo(a,h)anthracene
Concen: 5.518 ng/ul
RT: 25.97 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Instrument :
BNA_M
ClientSampleId :
C0AC8

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.6	17.4#
279	29.1	18.6	28.0#

Manual Integrations
APPROVED

mohammad
6/14/2019 8:41:29 AM

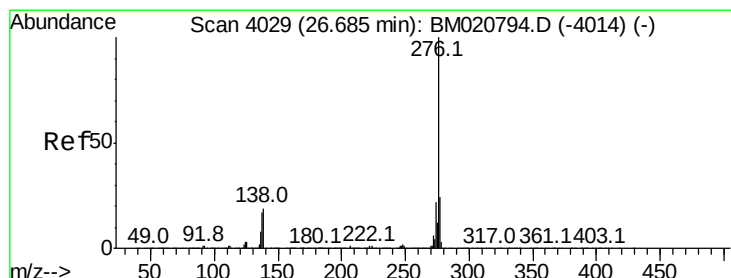
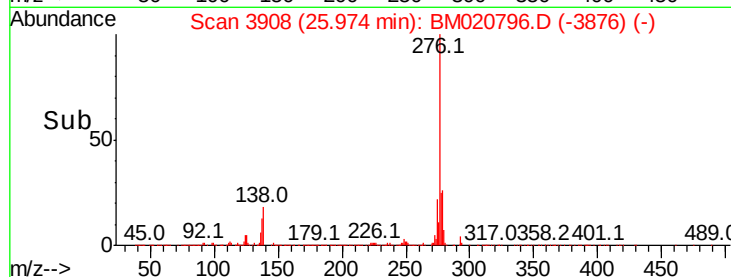
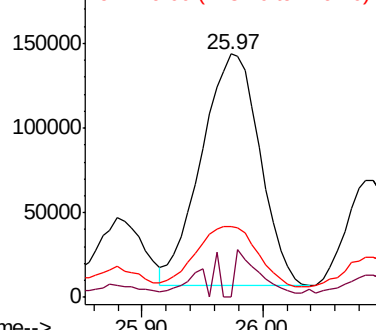


Abundance

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(g,h,i)perylene
Concen: 13.284 ng/ul
RT: 26.69 min Scan# 4029
Delta R.T. 0.00 min
Lab File: BM020796.D
Acq: 07 Jun 2019 10:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.6	25.0
277	24.4	19.6	29.4

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

