

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020797.D
 Acq On : 07 Jun 2019 10:52
 Operator : HP/JU
 Sample : K3201-18 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:41:53 AM

Quant Time: Jun 16 01:08:37 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	300880	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1266135	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	743348	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1621278	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1444949	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1637349	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	7165	1.14	ng/uL	0.00
5) Phenol-d5	6.97	99	132874	5.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	82924	6.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	117757	6.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	98530	5.32	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	55103	6.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	57894	6.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	118748	6.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	118987	5.32	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	388970	7.07	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	467523	6.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	33085	3.51	ng/ul	0.00
57) Fluorene-d10	15.44	176	331329	7.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	16631	2.01	ng/ul	0.00
70) Anthracene-d10	17.29	188	487465	6.88	ng/ul	0.00
78) Pyrene-d10	19.59	212	497070	7.12	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	487898	6.56	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	13.90	163	115103	2.091 ng/ul	100
47) Acenaphthylene	14.17	152	162197	2.405 ng/ul	98
49) Acenaphthene	14.51	153	159341	3.384 ng/ul	100
53) Dibenzofuran	14.85	168	117953	1.771 ng/ul	99
58) Fluorene	15.50	166	148993	2.786 ng/ul	99
69) Phenanthrene	17.24	178	3256067	39.905 ng/ul	99
71) Anthracene	17.33	178	594994	7.114 ng/ul	99
74) Carbazole	17.60	167	216863	2.982 ng/ul	99
76) Fluoranthene	19.25	202	5742769	61.416 ng/ul	99
79) Pyrene	19.62	202	4871774	54.620 ng/ul	99
82) Benzo(a)anthracene	21.36	228	2694278	29.891 ng/ul	98
84) Chrysene	21.41	228	2502175	29.916 ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	3246639	34.086 ng/ul	98
88) Benzo(k)fluoranthene	23.02	252	1011278m	11.108 ng/ul	
90) Benzo(a)pyrene	23.56	252	2181426	24.073 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.97	276	1432734	13.386 ng/ul	96
92) Dibenzo(a,h)anthracene	25.98	278	404261	4.458 ng/ul#	94
93) Benzo(g,h,i)perylene	26.69	276	1046168	12.048 ng/ul	99

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

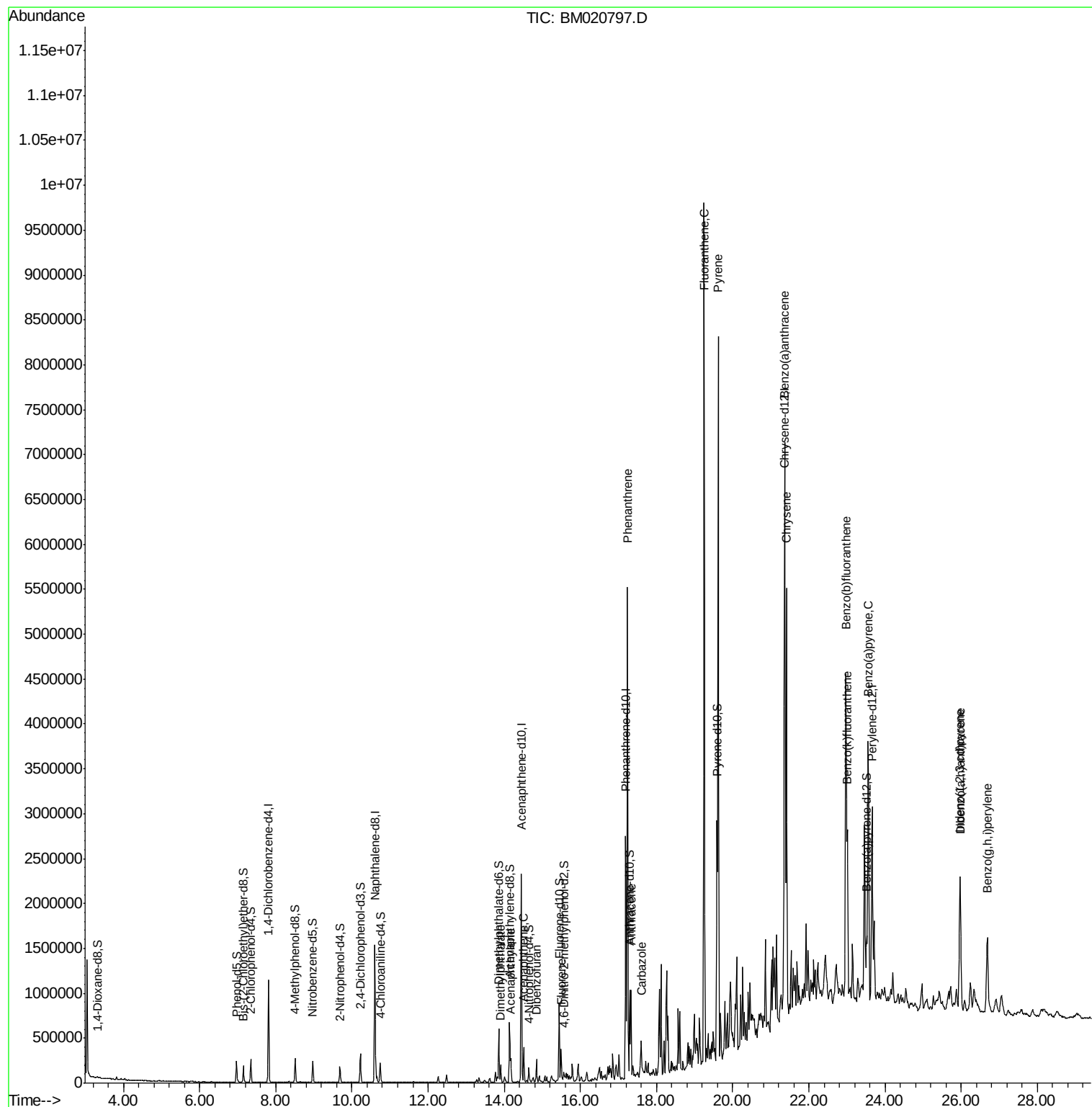
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

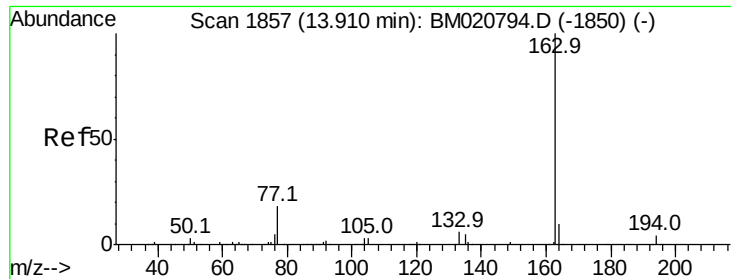
Instrument :
BNA_M
ClientSampleId :
C0AC9

Quant Time: Jun 16 01:08:37 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

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#44

Dimethylphthalate

Concen: 2.091 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

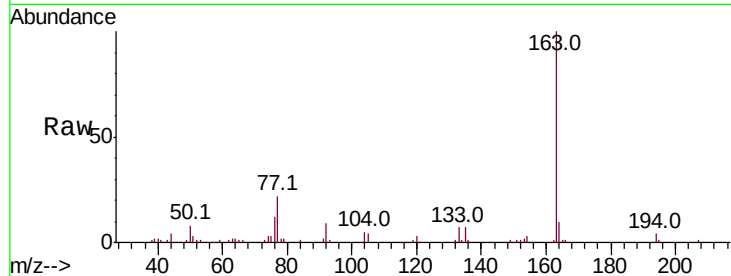
ClientSampled :

C0AC9

Tot Ion:	163	Resp:	115103
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.2	4.8
164	9.8	8.0	12.0

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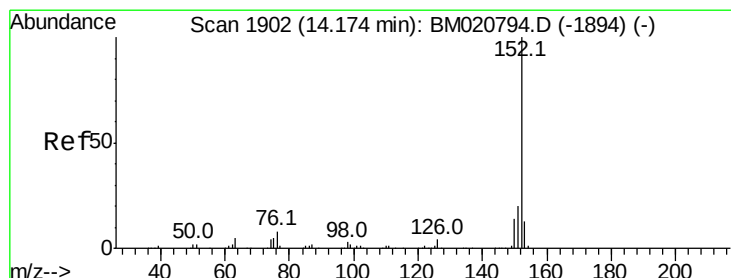
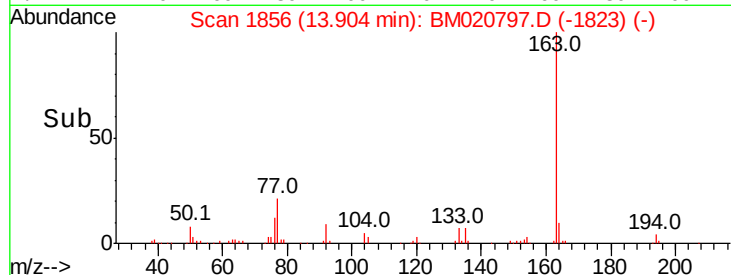
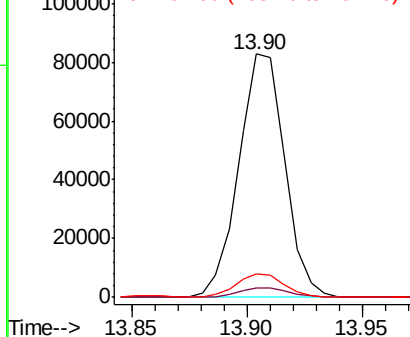


Abundance

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: 2.405 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

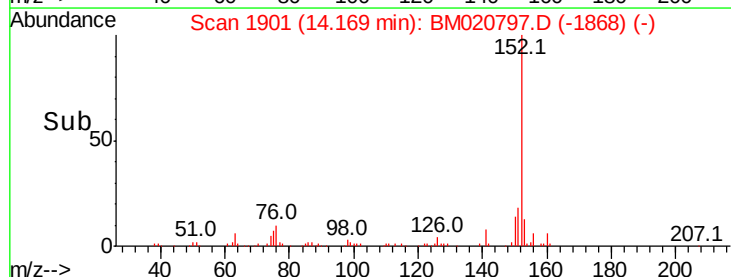
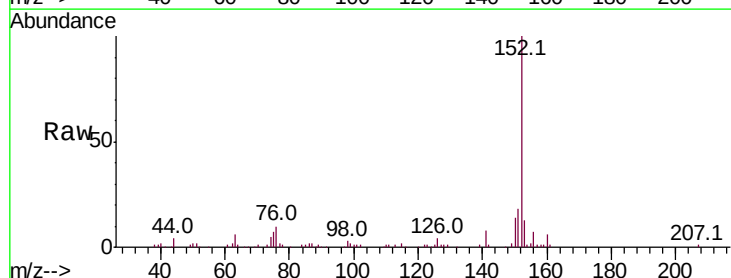
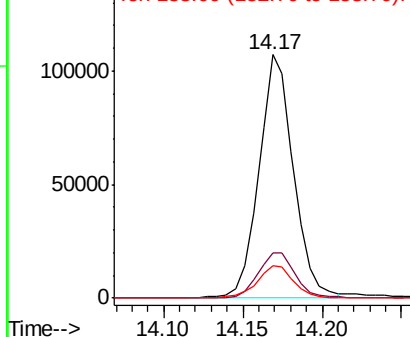
Tgt Ion:	152	Resp:	162197
Ion Ratio	Lower	Upper	
152	100		
151	18.5	16.2	24.2
153	13.3	10.6	15.8

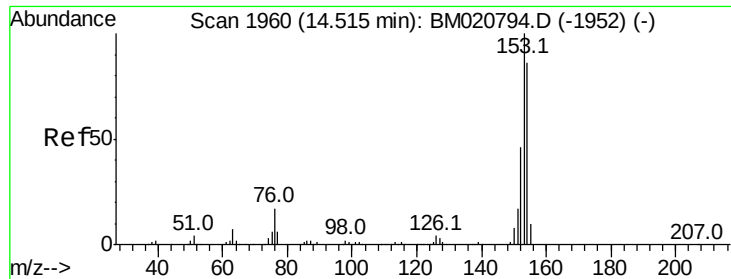
Abundance

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





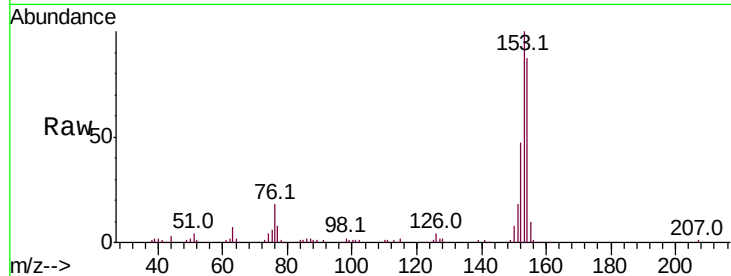
#49
Acenaphthene
Concen: 3.384 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Instrument :
BNA_M
ClientSampled :
C0AC9

Tot Ion	Ratio	Lower	Upper
153	100		
152	46.7	37.3	55.9
154	86.5	68.7	103.1

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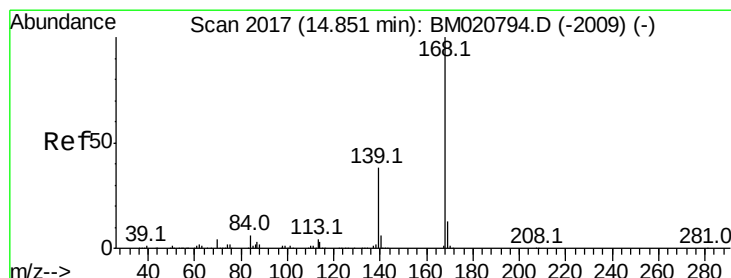
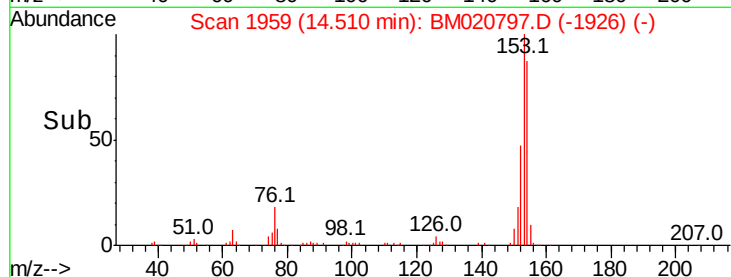
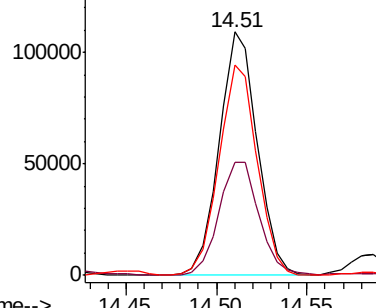


Abundance

Ion 153.00 (152.70 to 153.70): E

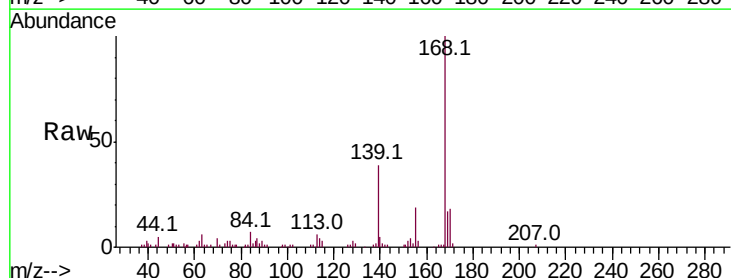
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53
Dibenzofuran
Concen: 1.771 ng/ul
RT: 14.85 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

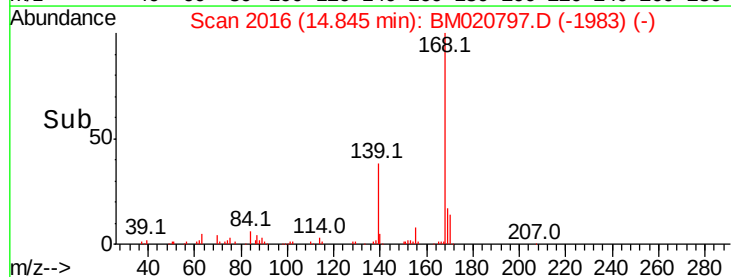
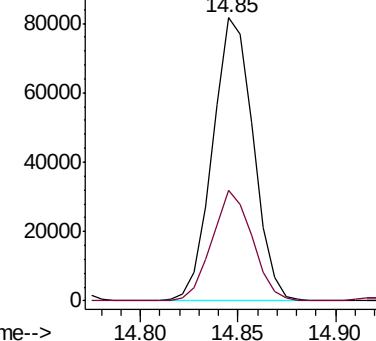
Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.4	45.6

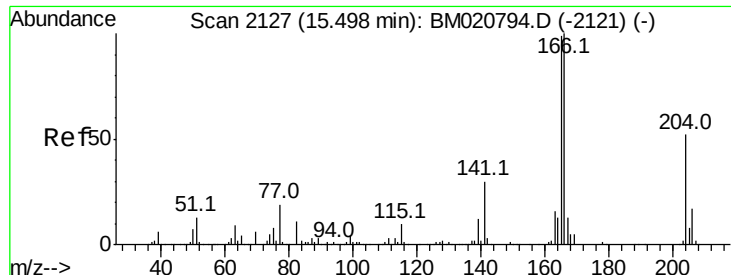


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





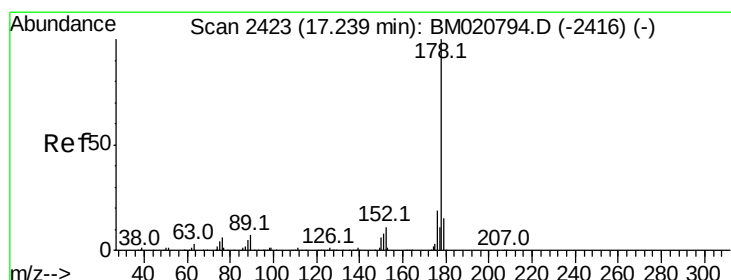
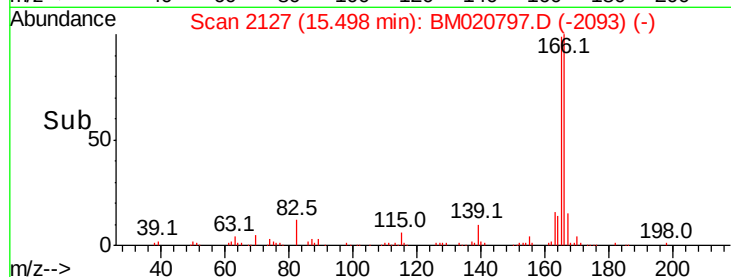
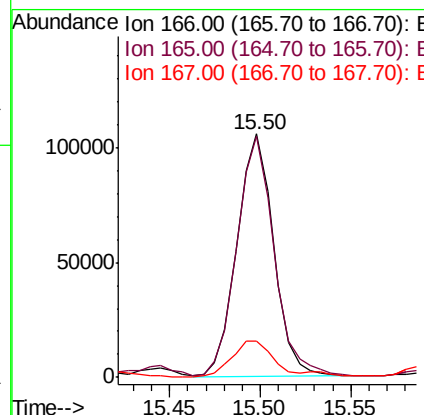
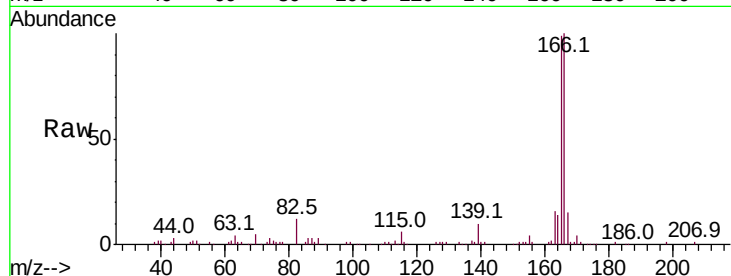
#58
 Fluorene
 Concen: 2.786 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. 0.00 min
 Lab File: BM020797.D
 Acq: 07 Jun 2019 10:52

Instrument :
 BNA_M
 ClientSampleId :
 C0AC9

Tot Ion	Ratio	Resp	Lower	Upper
166	100	148993		
165	98.8	78.6	117.8	
167	15.2	10.8	16.2	

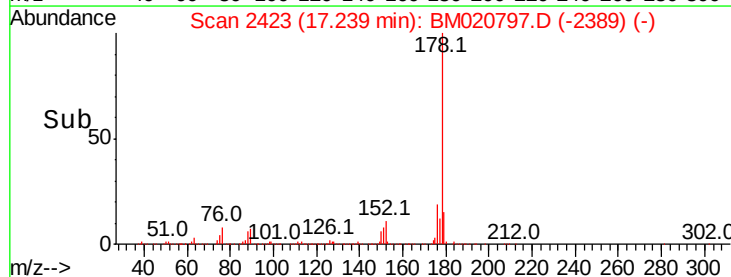
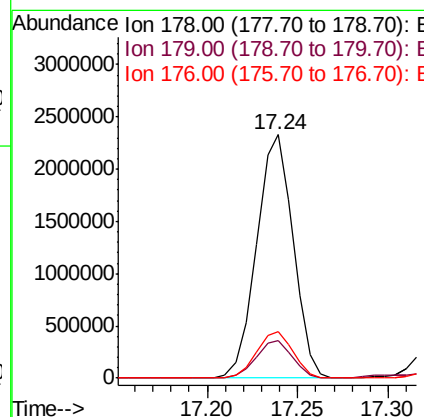
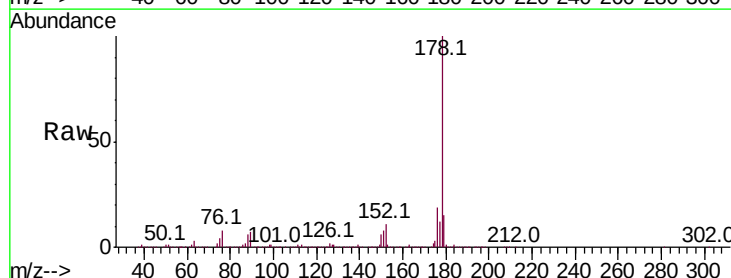
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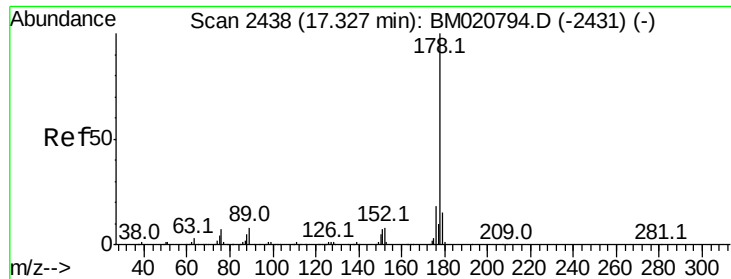
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#69
 Phenanthrene
 Concen: 39.905 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. 0.00 min
 Lab File: BM020797.D
 Acq: 07 Jun 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3256067		
179	15.5	12.3	18.5	
176	19.3	14.8	22.2	





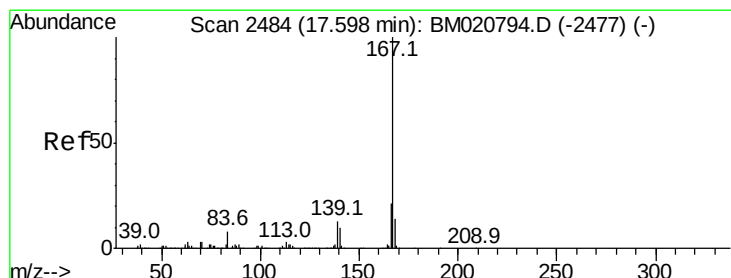
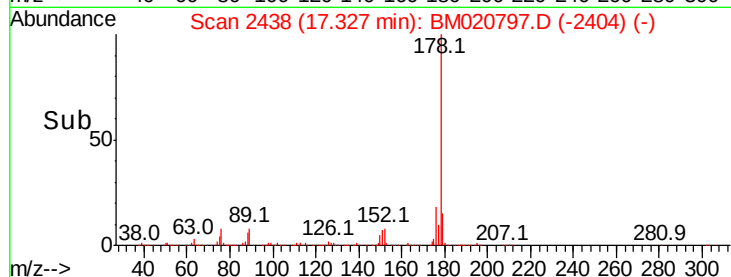
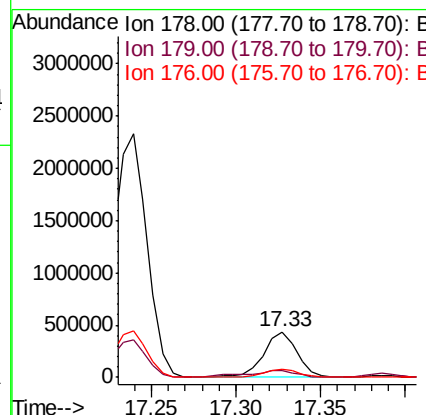
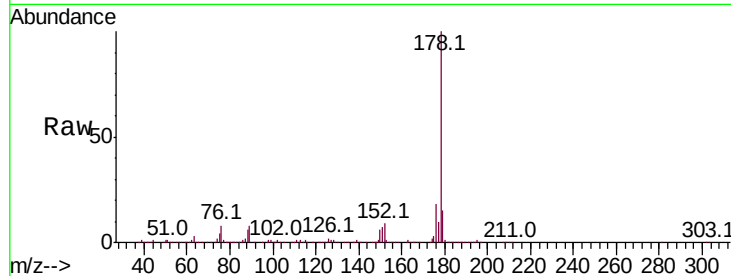
#71
 Anthracene
 Concen: 7.114 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020797.D
 Acq: 07 Jun 2019 10:52

Instrument :
 BNA_M
 ClientSampleId :
 C0AC9

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.1	18.1
176	17.9	14.9	22.3

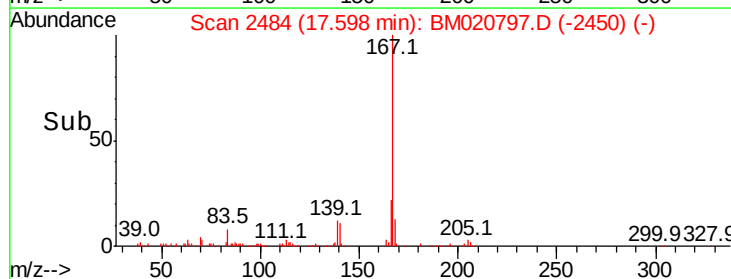
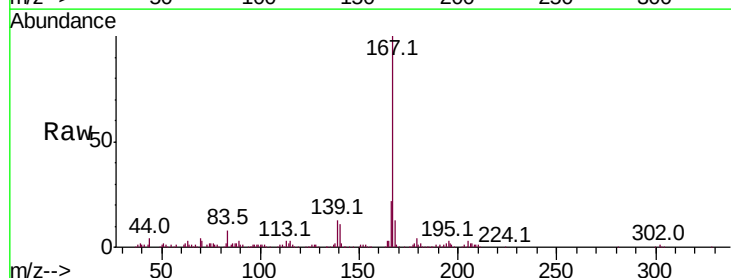
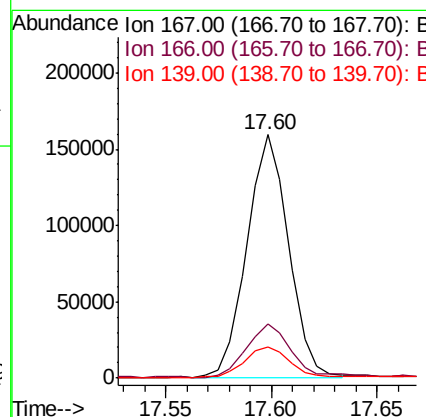
Manual Integrations
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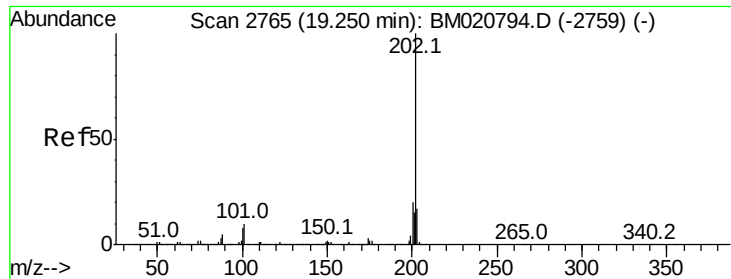
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#74
 Carbazole
 Concen: 2.982 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020797.D
 Acq: 07 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	12.7	10.5	15.7





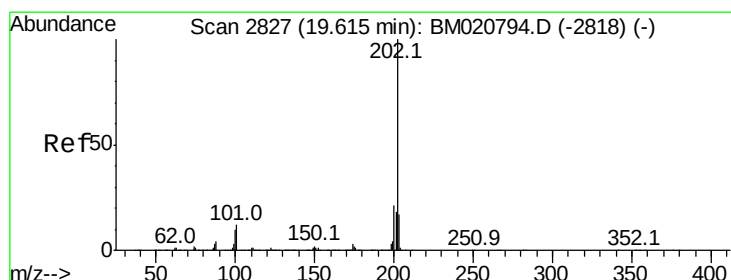
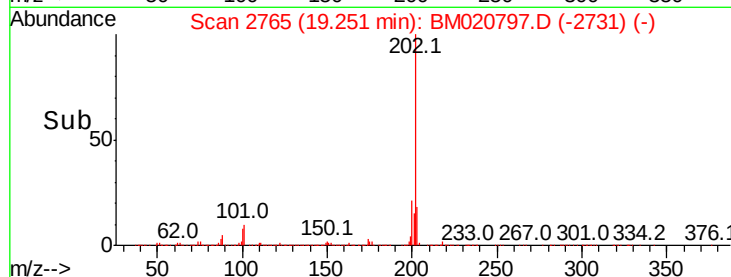
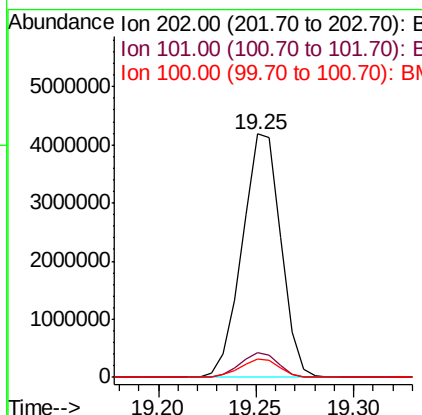
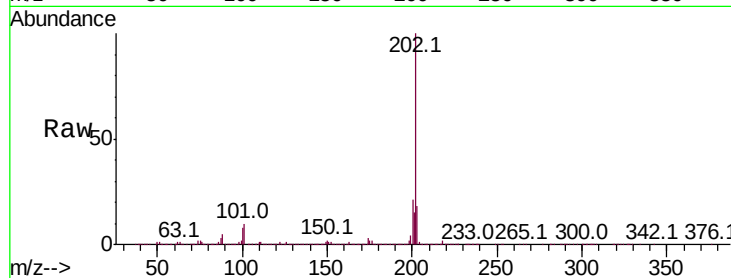
#76
Fluoranthene
Concen: 61.416 ng/ul
RT: 19.25 min Scan# 2765
Delta R.T. 0.00 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Instrument :
BNA_M
ClientSampleId :
C0AC9

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.9	11.9
100	7.7	6.2	9.4

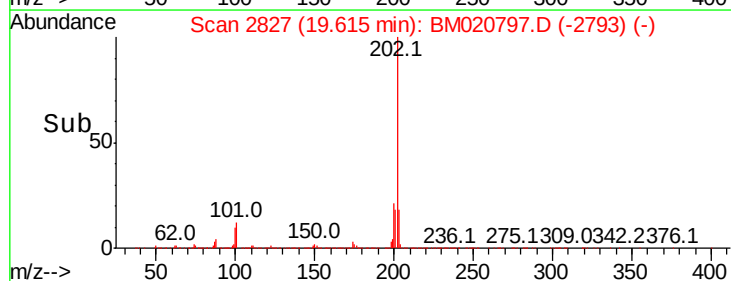
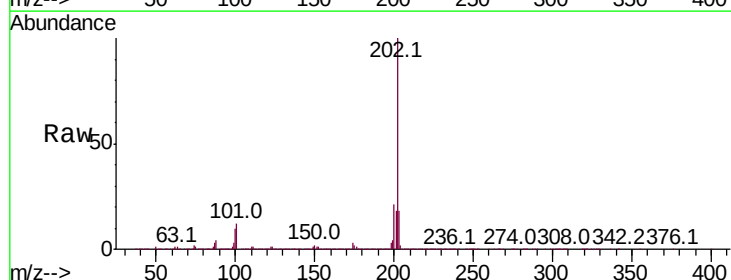
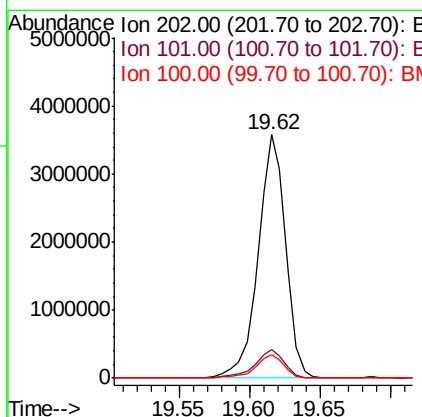
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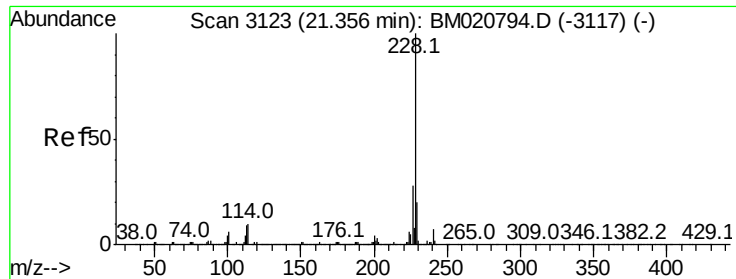
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#79
Pyrene
Concen: 54.620 ng/ul
RT: 19.62 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.8	14.6
100	9.8	8.0	12.0





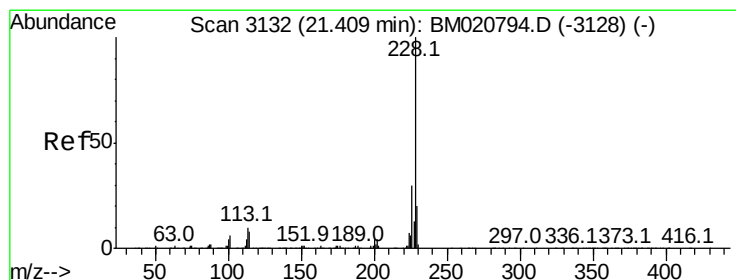
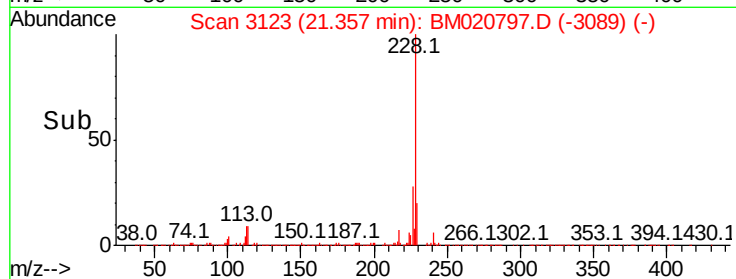
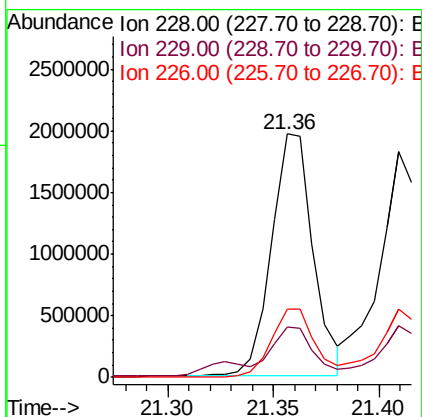
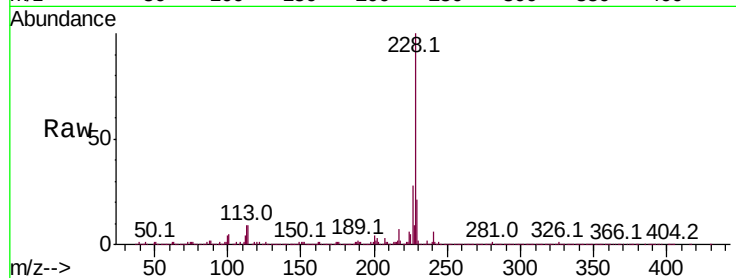
#82
Benzo(a)anthracene
Concen: 29.891 ng/ul
RT: 21.36 min Scan# 3123
Delta R.T. 0.00 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Instrument :
BNA_M
ClientSampled :
C0AC9

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.6	23.4
226	28.0	21.4	32.2

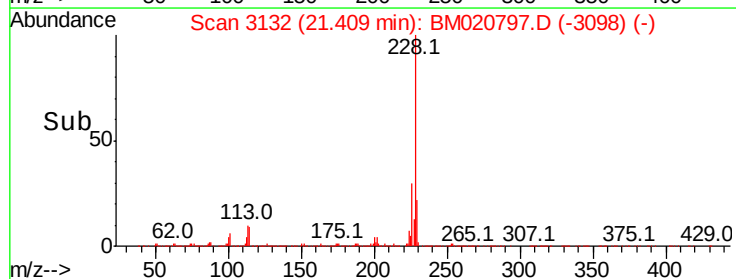
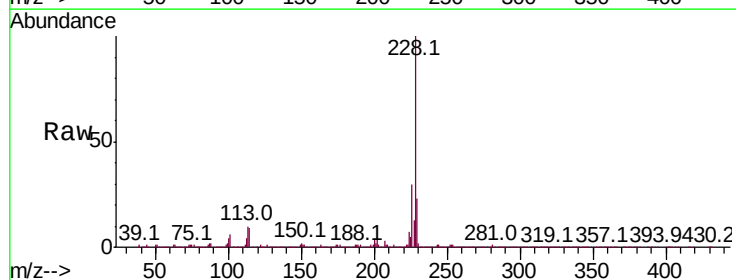
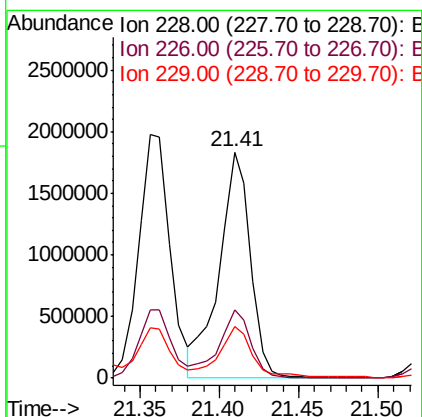
Manual Integrations
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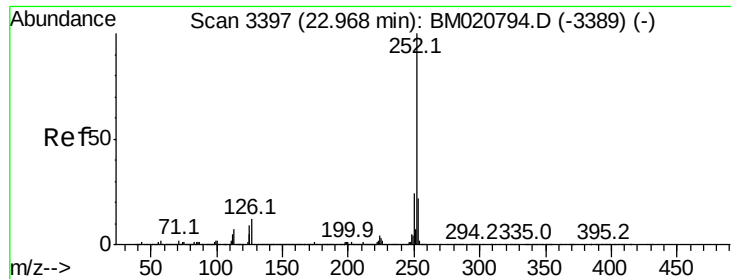
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#84
Chrysene
Concen: 29.916 ng/ul
RT: 21.41 min Scan# 3132
Delta R.T. 0.00 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	22.6	16.2	24.2





#87

Benzo(b)fluoranthene

Concen: 34.086 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

ClientSampleId :

C0AC9

Tot Ion:252 Resp: 3246639

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

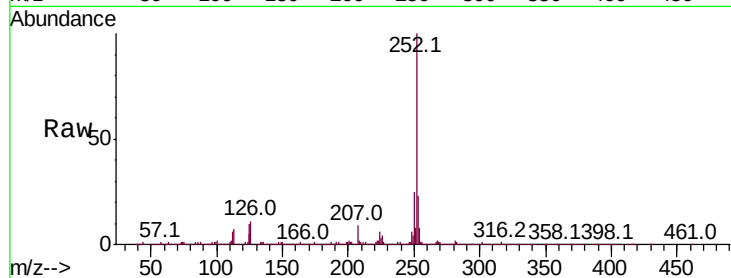
125 9.8 7.3 10.9

Manual Integrations

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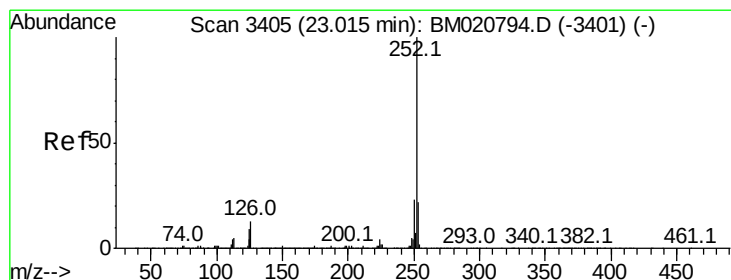
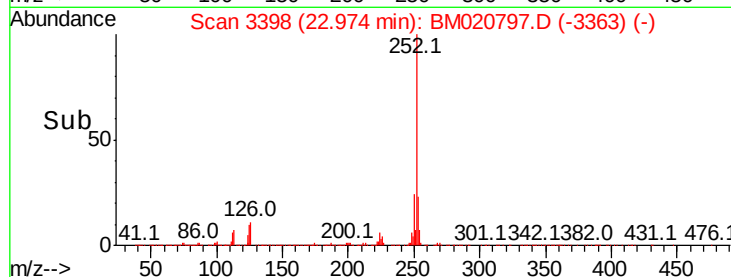
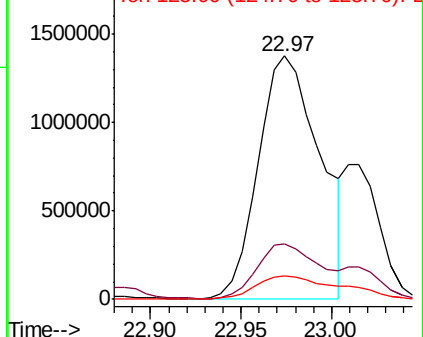
6/14/2019 8:41:53 AM



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: 11.108 ng/ul m

RT: 23.02 min Scan# 3405

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Tgt Ion:252 Resp: 1011278

Ion Ratio Lower Upper

252 100

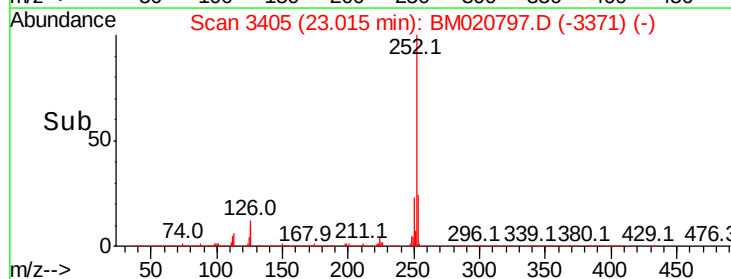
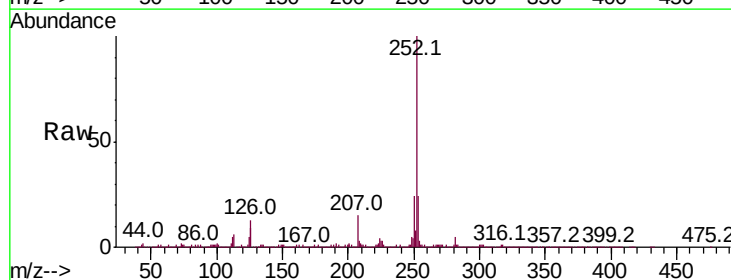
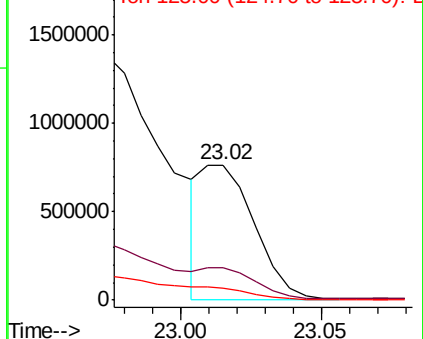
253 24.1 17.6 26.4

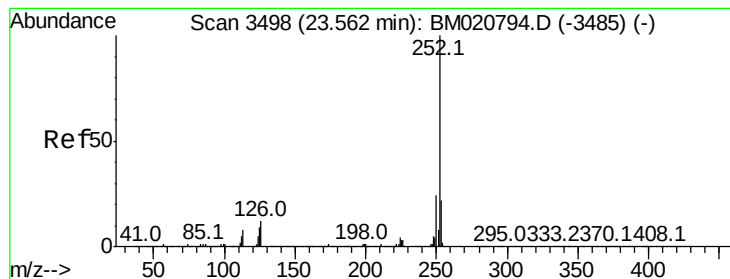
125 9.2 7.3 10.9

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: 24.073 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

ClientSampleId :

C0AC9

Tot Ion:252 Resp: 2181426

Ion Ratio Lower Upper

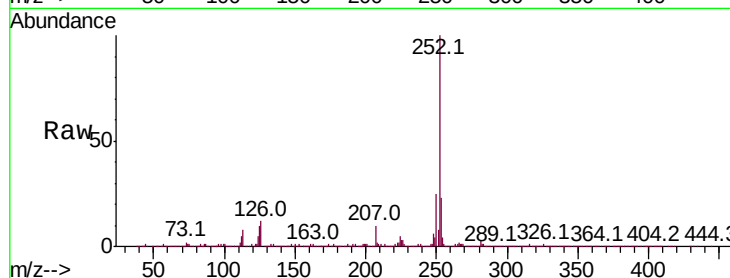
252 100

253 23.4 17.0 25.6

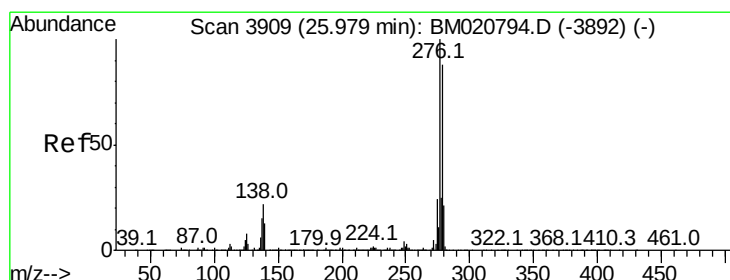
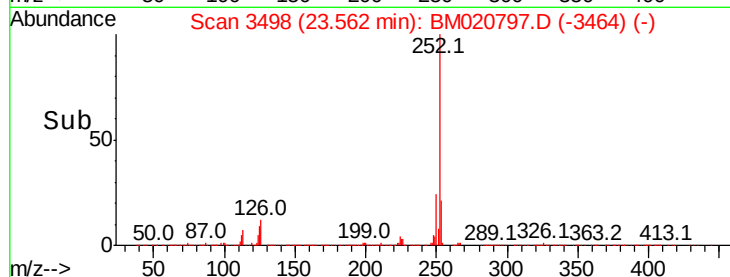
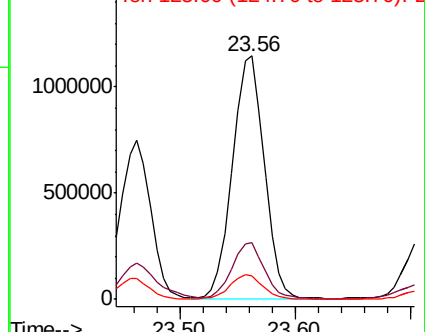
125 9.7 8.2 12.4

Manual Integrations
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mohammad
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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



#91

Indeno(1,2,3-cd)pyrene

Concen: 13.386 ng/ul

RT: 25.97 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

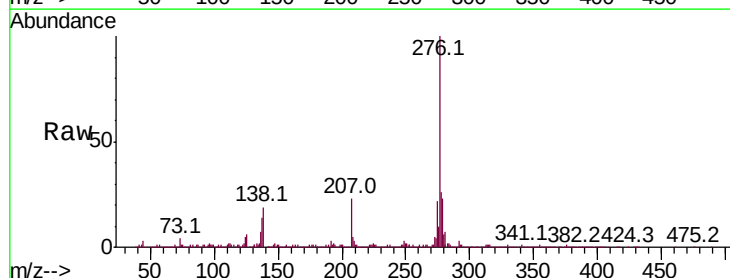
Tgt Ion:276 Resp: 1432734

Ion Ratio Lower Upper

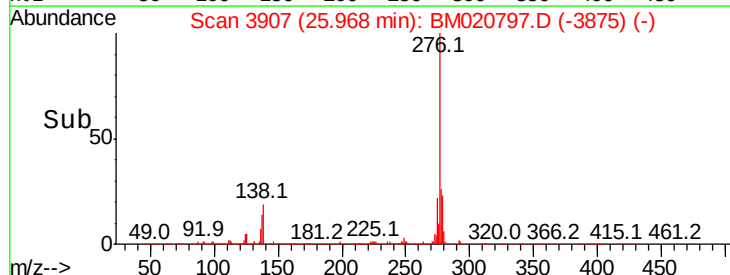
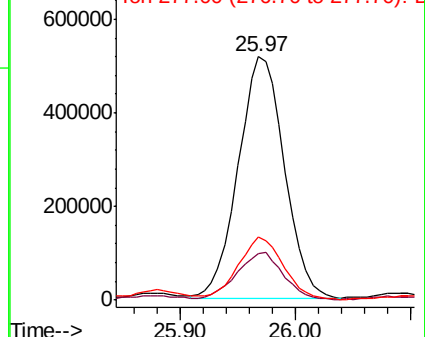
276 100

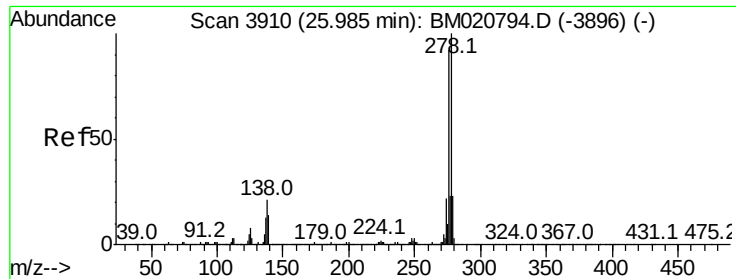
138 19.3 17.8 26.8

277 26.0 20.0 30.0



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: 4.458 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

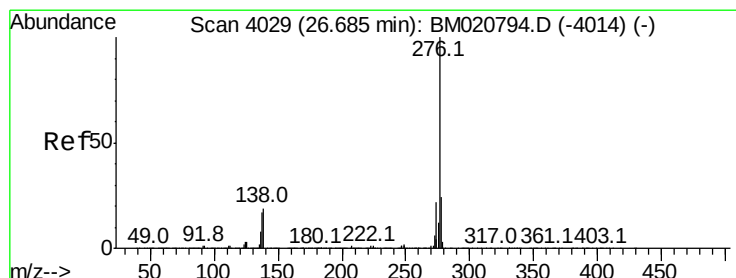
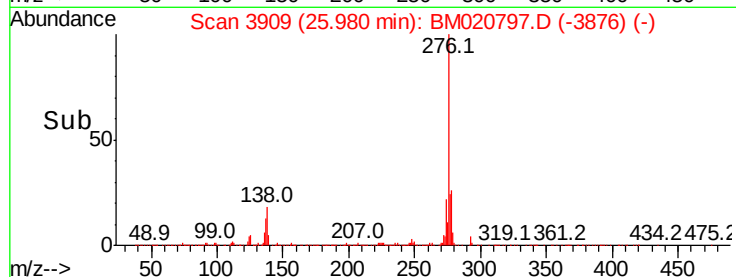
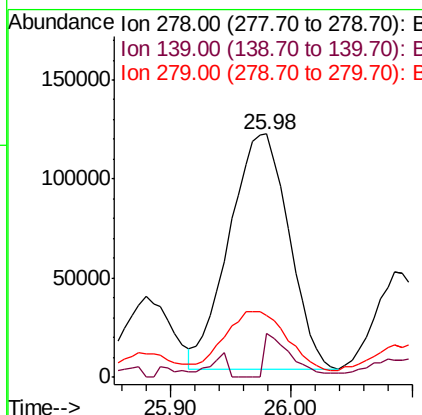
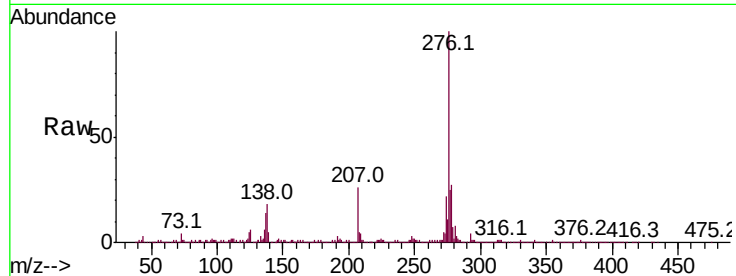
ClientSampleId :

C0AC9

Tot Ion:	278	Resp:	404261
Ion Ratio	Lower	Upper	
278	100		
139	18.3	11.6	17.4#
279	25.4	18.6	28.0

Manual Integrations
APPROVED

mohammad
6/14/2019 8:41:53 AM



#93

Benzo(g,h,i)perylene

Concen: 12.048 ng/ul

RT: 26.69 min Scan# 4029

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Tgt Ion:	276	Resp:	1046168
Ion Ratio	Lower	Upper	
276	100		
138	19.6	16.6	25.0
277	24.3	19.6	29.4

