

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020790.D
 Acq On : 07 Jun 2019 07:14
 Operator : HP/JU
 Sample : K3201-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC7

Manual Integrations
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mohammad
 6/7/2019 2:15:12 PM

Quant Time: Jun 07 08:19:20 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	413765	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1812728	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	1048497	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	2006374	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1634962	20.00	ng/ul	0.01
85) Perylene-d12	23.66	264	1812027	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	44874	5.17	ng/uL	0.00
5) Phenol-d5	6.97	99	951136	30.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	607719	32.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	825362	32.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	707127	27.76	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	428297	34.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	487774	38.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	902734	33.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	765309	23.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	2811983	36.26	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	3343293	34.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	295292	22.19	ng/ul	0.00
57) Fluorene-d10	15.44	176	2163909	32.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	225381	21.97	ng/ul	0.00
70) Anthracene-d10	17.30	188	2991969	34.14	ng/ul	0.00
78) Pyrene-d10	19.59	212	2773687	35.10	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	2733972	33.20	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.00	94	57437	1.762	ng/ul 96
28) Naphthalene	10.65	128	241552	2.837	ng/ul 99
34) 2-Methylnaphthalene	12.26	142	83144	1.330	ng/ul 95
44) Dimethylphthalate	13.91	163	976253	12.571	ng/ul 100
47) Acenaphthylene	14.17	152	263818	2.773	ng/ul 98
49) Acenaphthene	14.52	153	244662	3.684	ng/ul 100
53) Dibenzofuran	14.85	168	225974	2.405	ng/ul 98
58) Fluorene	15.50	166	289329	3.836	ng/ul 97
69) Phenanthrene	17.24	178	4884276	48.371	ng/ul 99
71) Anthracene	17.33	178	1005202	9.712	ng/ul 99
74) Carbazole	17.60	167	429717	4.774	ng/ul 99
76) Fluoranthene	19.26	202	7808630	67.481	ng/ul 99
79) Pyrene	19.62	202	6928379	68.650	ng/ul 98
82) Benzo(a)anthracene	21.36	228	3718663	36.461	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.29	149	508174	7.325	ng/ul 100
84) Chrysene	21.41	228	3669350	38.772	ng/ul 97
87) Benzo(b)fluoranthene	22.98	252	4826500	45.787	ng/ul 98
88) Benzo(k)fluoranthene	23.01	252	1333433m	13.234	ng/ul
90) Benzo(a)pyrene	23.57	252	3177532	31.685	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.98	276	2106635	17.785	ng/ul 96
92) Dibenzo(a,h)anthracene	25.98	278	598224	5.961	ng/ul# 91
93) Benzo(a,h,i)perylene	26.69	276	1607306	16.726	ng/ul 98

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Quant Time: Jun 07 08:19:20 2019
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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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

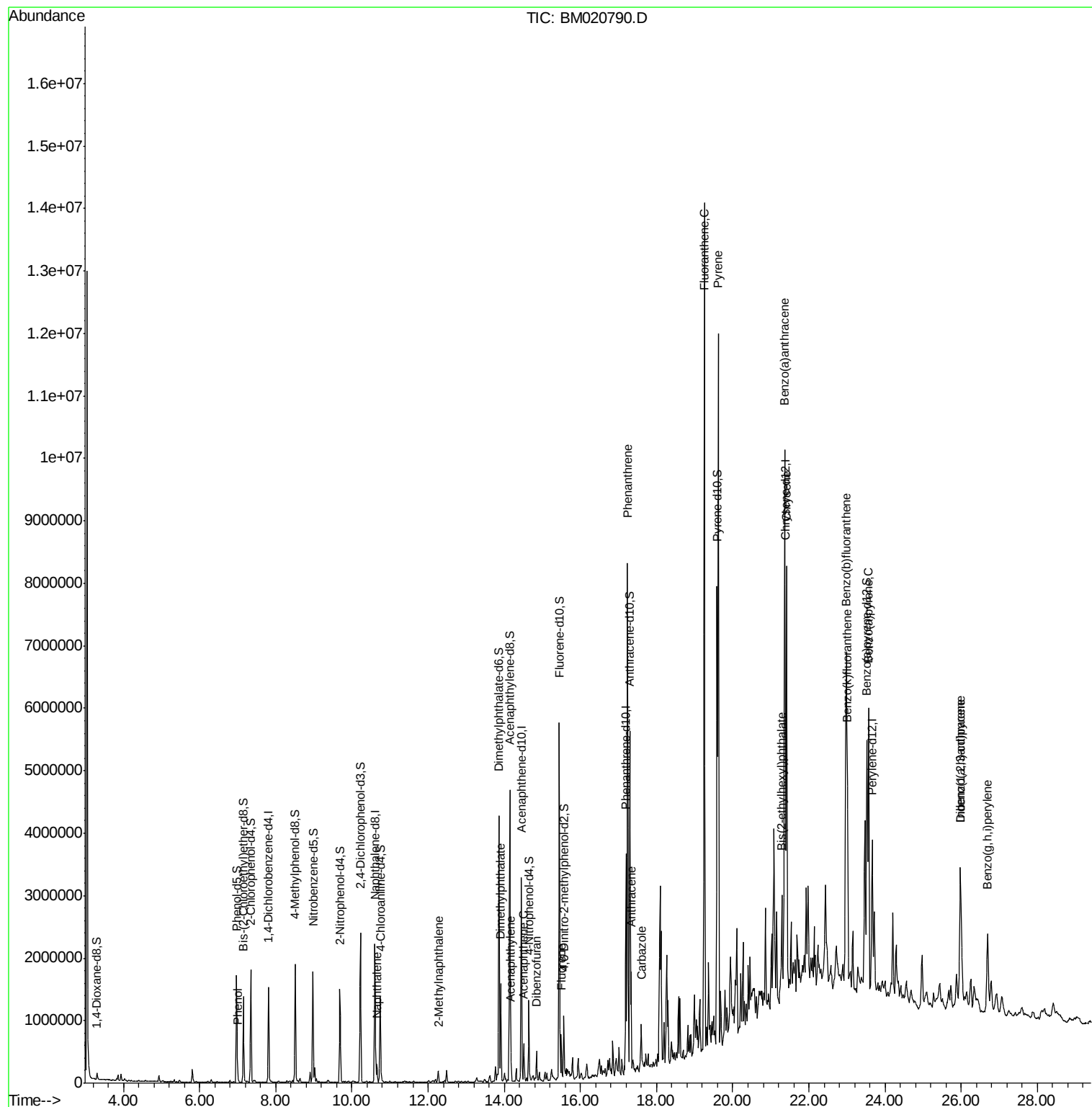
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020790.D
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Operator : HP/JU
Sample : K3201-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

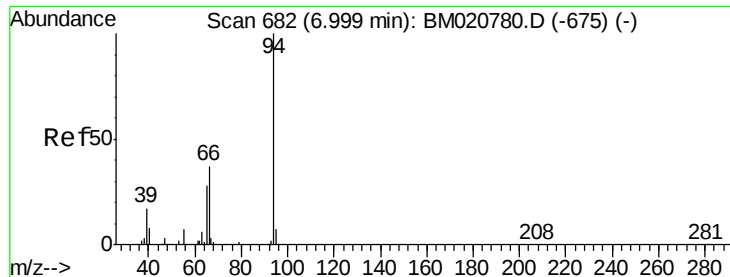
Instrument :
BNA_M
ClientSampleId :
C0AC7

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 07 06:35:27 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.762 ng/ul

RT: 7.00 min Scan# 683

Delta R.T. 0.01 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Instrument :

BNA_M

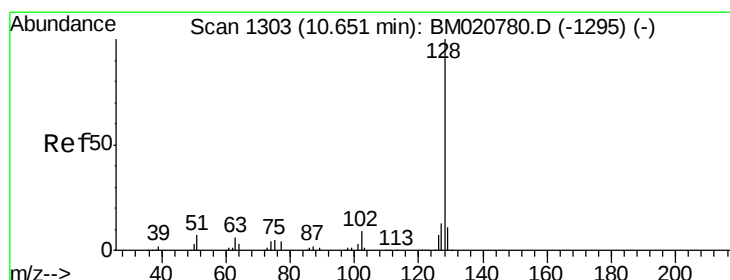
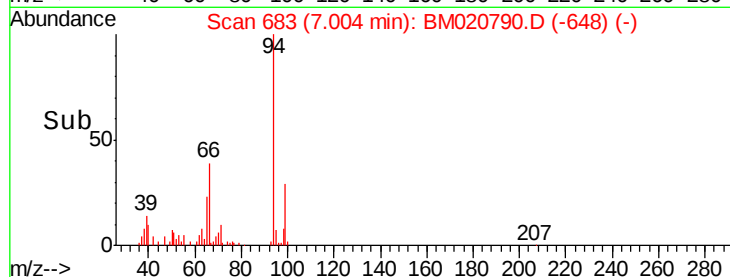
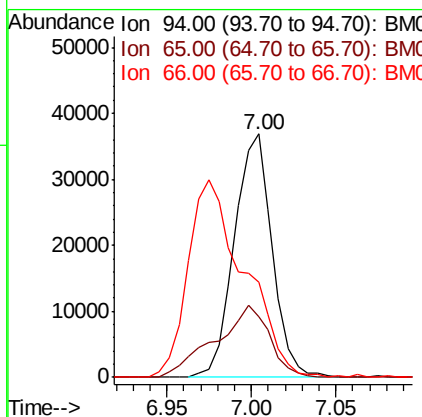
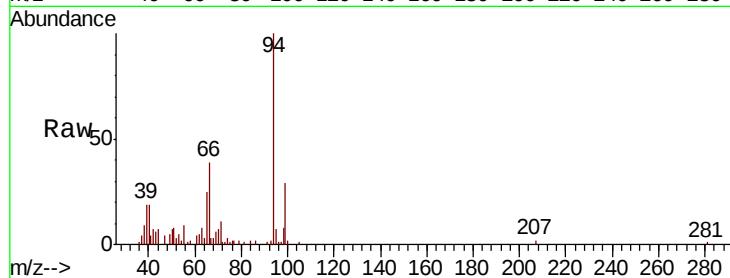
ClientSampleId :

C0AC7

Tot Ion:	94	Resp:	57437
Ion	Ratio	Lower	Upper
94	100		
65	24.9	23.3	34.9
66	39.3	32.1	48.1

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#28

Naphthalene

Concen: 2.837 ng/ul

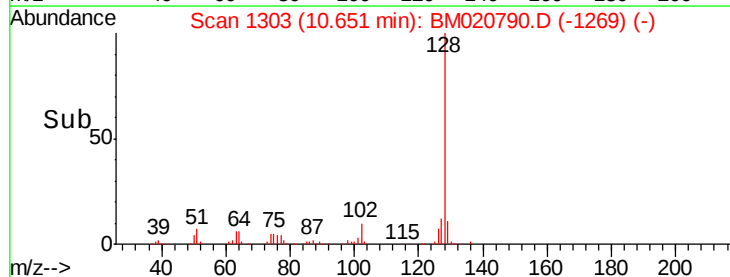
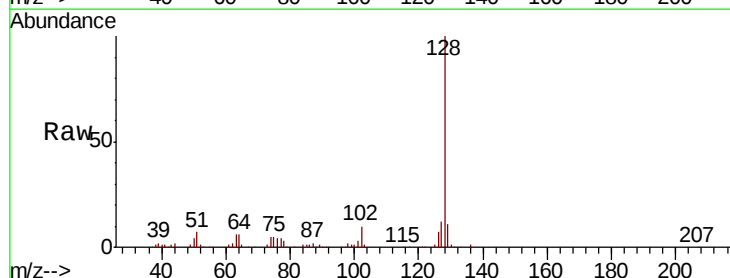
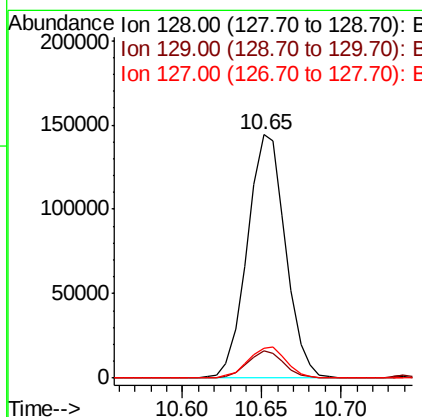
RT: 10.65 min Scan# 1303

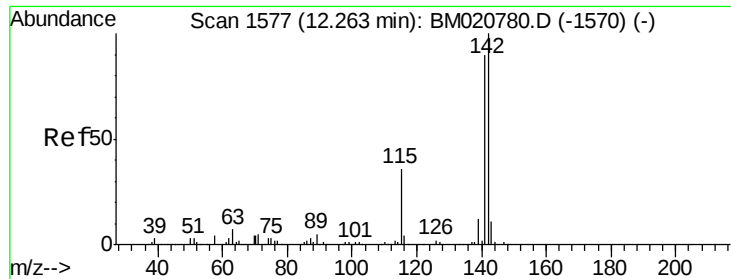
Delta R.T. -0.00 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Tgt Ion:	128	Resp:	241552
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	12.5	10.2	15.2





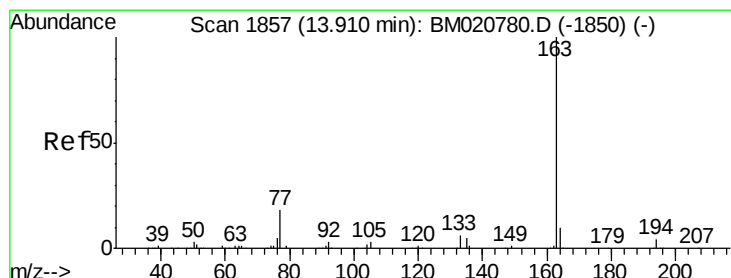
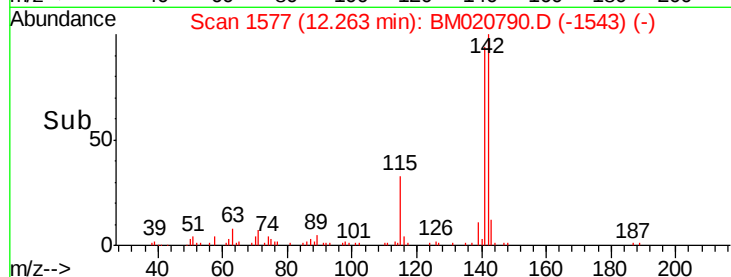
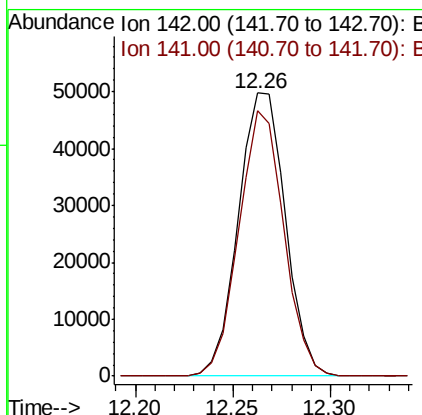
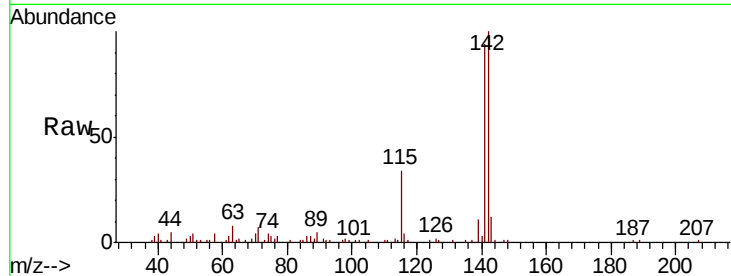
#34
2-Methylnaphthalene
Concen: 1.330 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

Instrument :
BNA_M
ClientSampleId :
C0AC7

Tot Ion:142 Resp: 83144
Ion Ratio Lower Upper
142 100
141 93.9 71.4 107.0

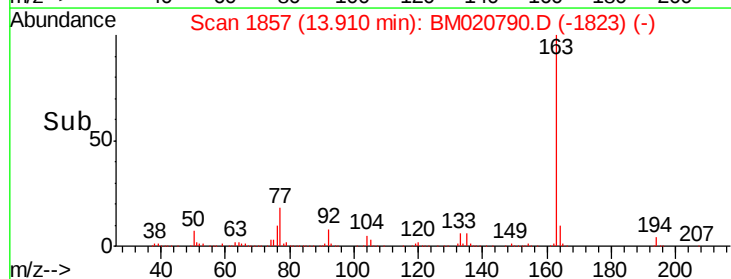
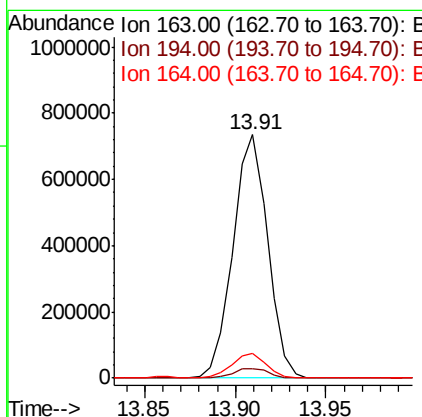
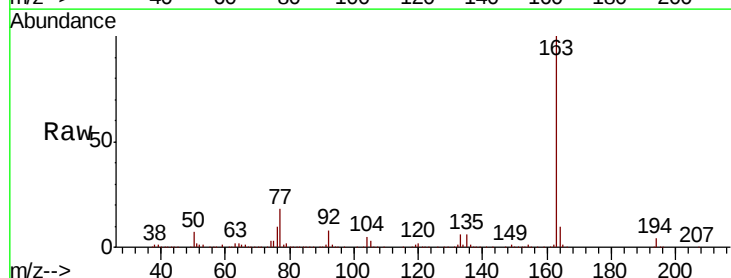
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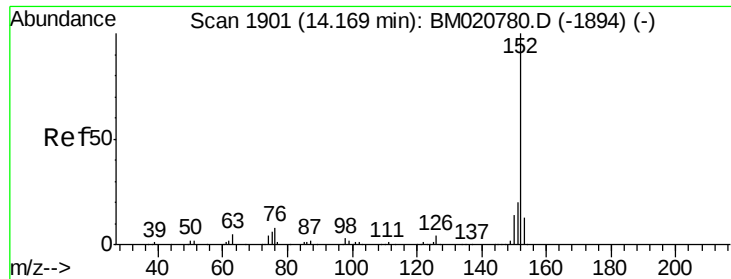
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#44
Dimethylphthalate
Concen: 12.571 ng/ul
RT: 13.91 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

Tgt Ion:163 Resp: 976253
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.0 8.0 12.0





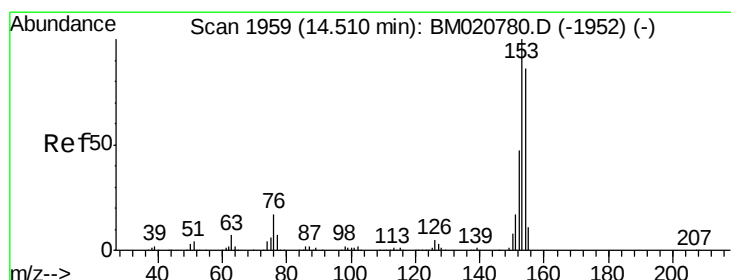
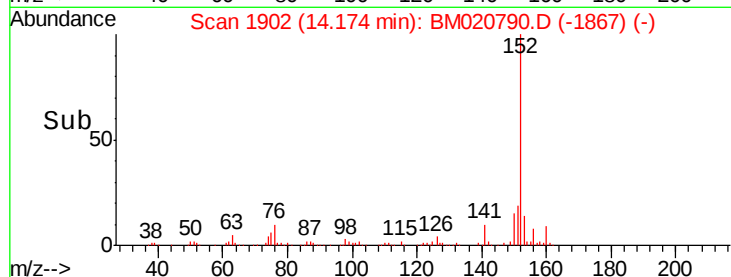
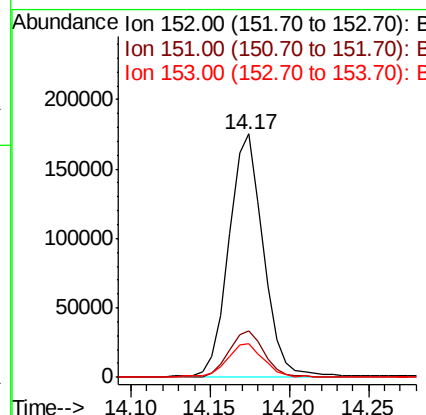
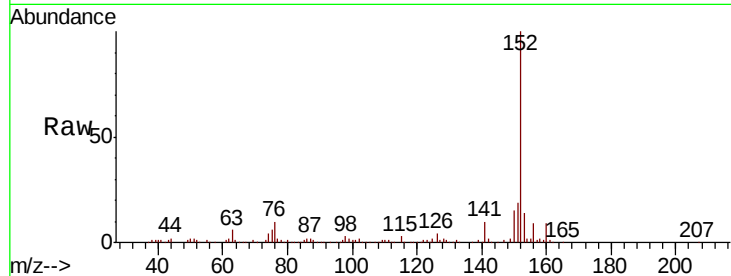
#47
Acenaphthylene
Concen: 2.773 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. 0.01 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

Instrument :
BNA_M
ClientSampleId :
C0AC7

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.2	24.2
153	13.6	10.6	15.8

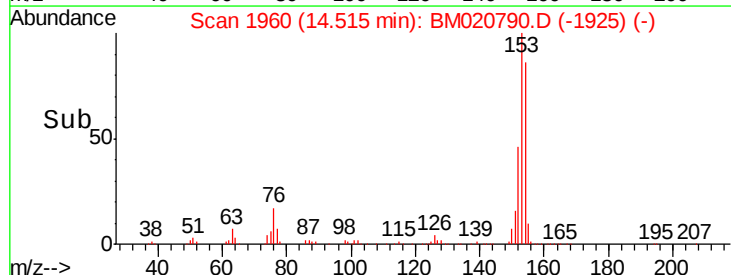
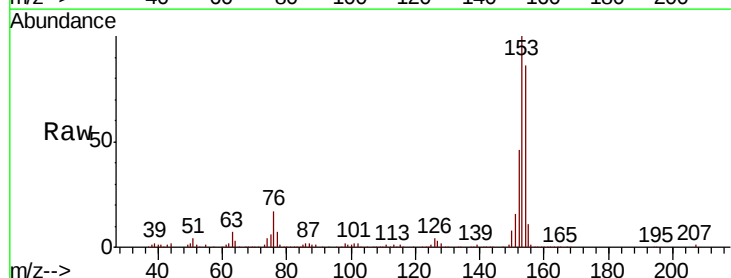
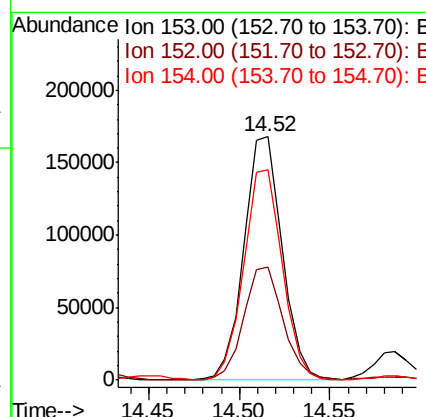
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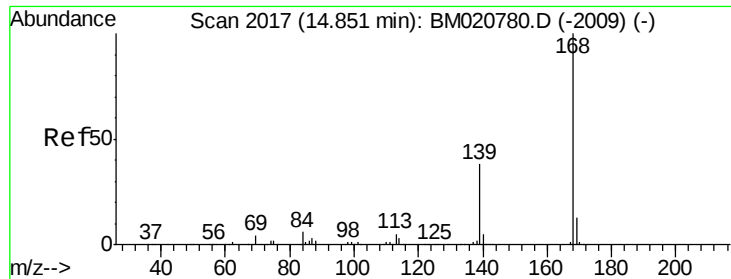
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#49
Acenaphthene
Concen: 3.684 ng/ul
RT: 14.52 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.4	37.3	55.9
154	86.1	68.7	103.1





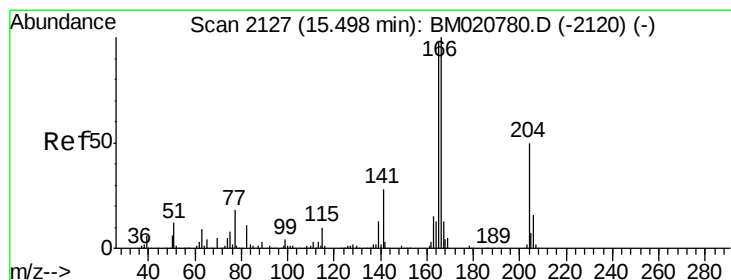
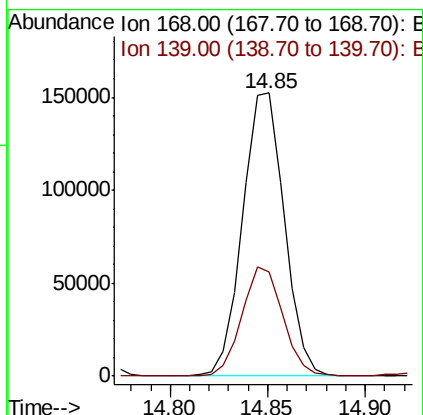
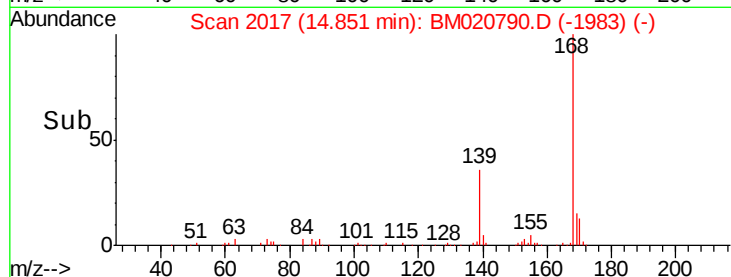
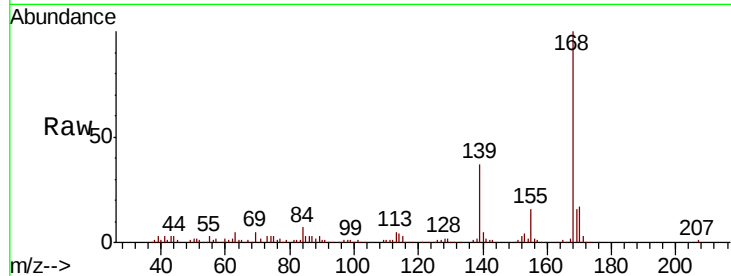
#53
Dibenzenofuran
Concen: 2.405 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

Instrument :
BNA_M
ClientSampleId :
C0AC7

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.4	45.6

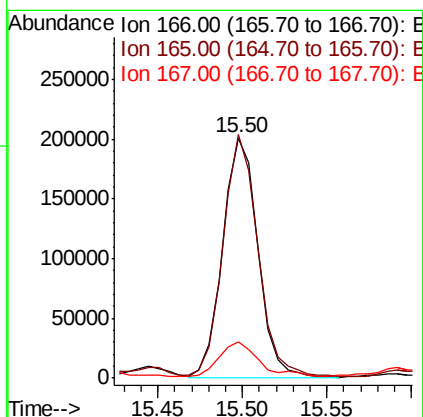
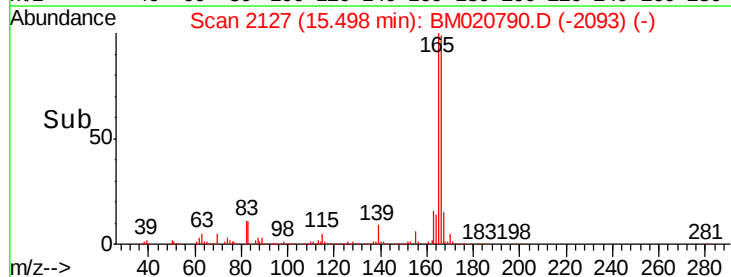
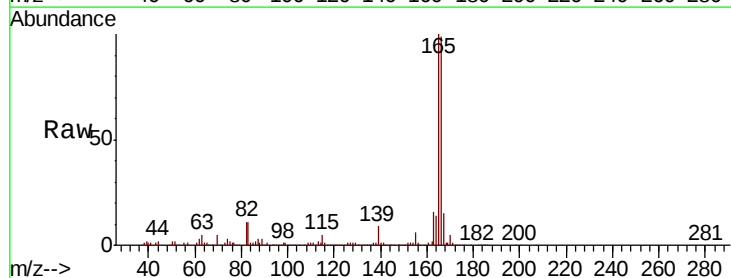
Manual Integrations
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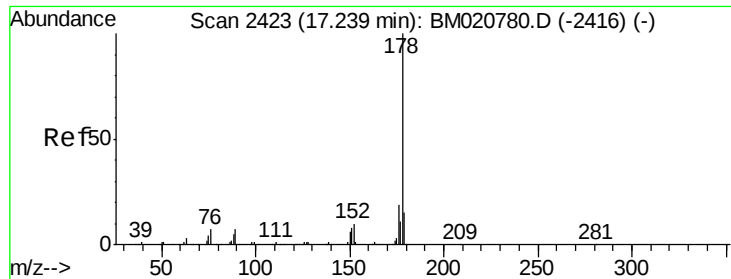
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#58
Fluorene
Concen: 3.836 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.6	117.8
167	15.3	10.8	16.2





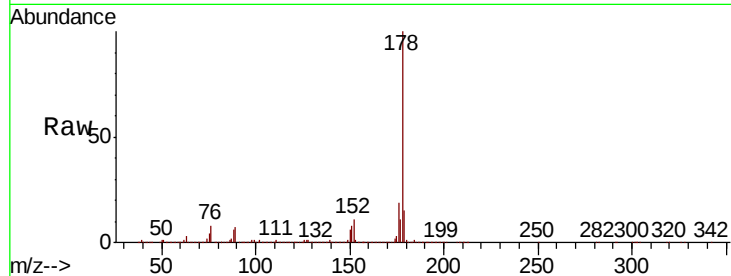
#69
Phenanthrene
Concen: 48.371 ng/ul
RT: 17.24 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

Instrument :
BNA_M
ClientSampleId :
C0AC7

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.0	14.8	22.2

Manual Integrations
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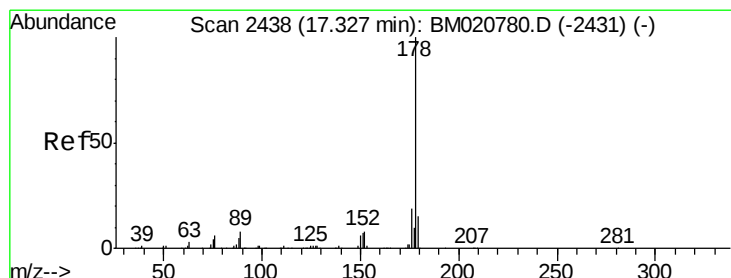
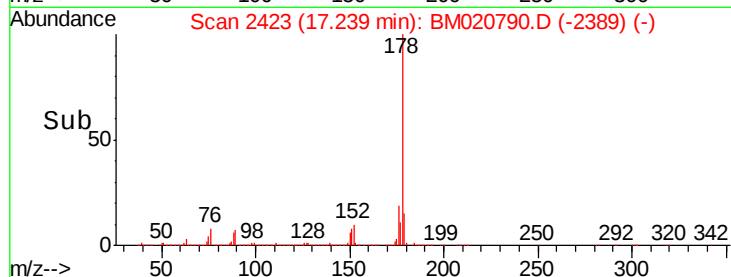
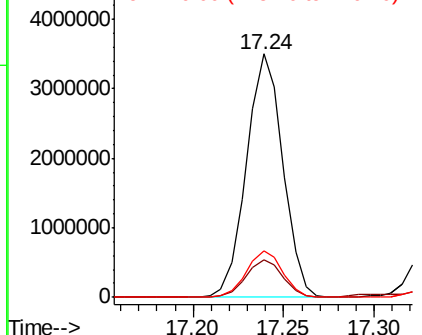


Abundance

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: 9.712 ng/ul
RT: 17.33 min Scan# 2439
Delta R.T. 0.01 min
Lab File: BM020790.D
Acq: 07 Jun 2019 07:14

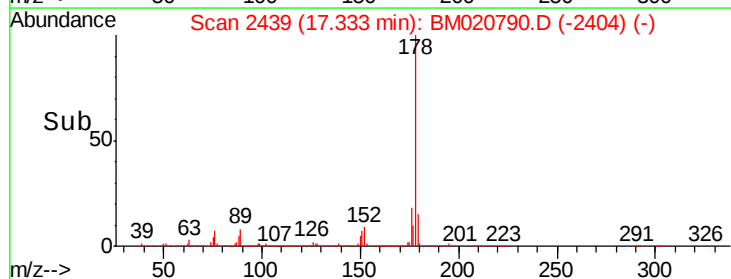
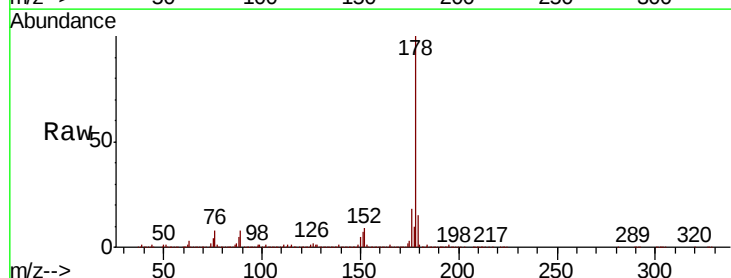
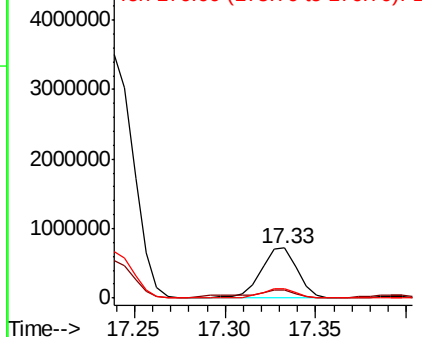
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.1	18.1
176	18.1	14.9	22.3

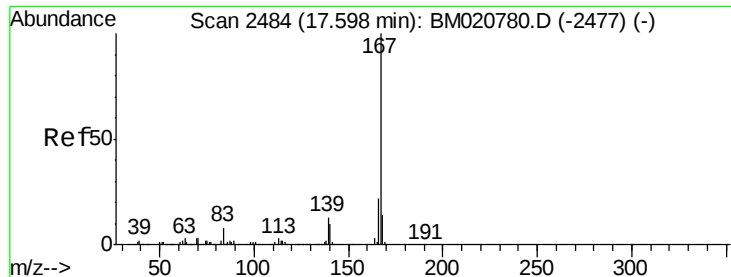
Abundance

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





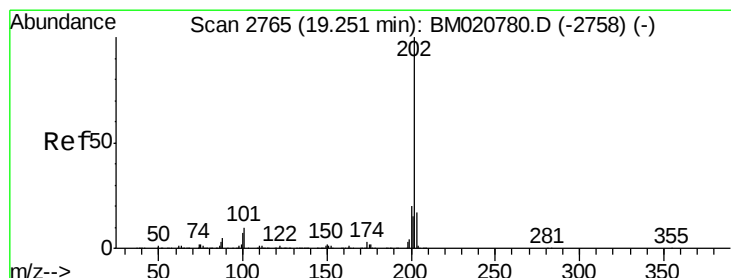
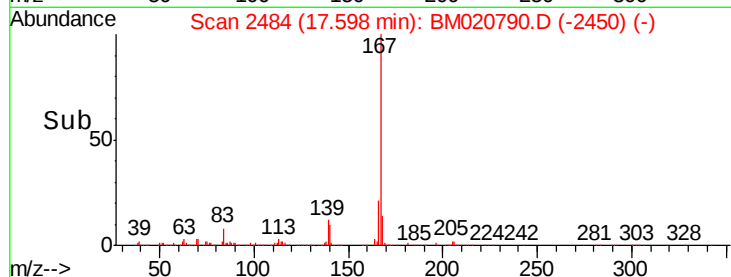
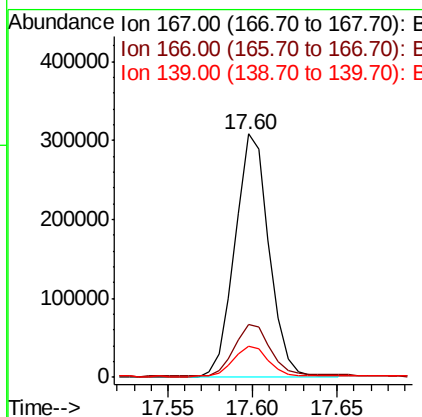
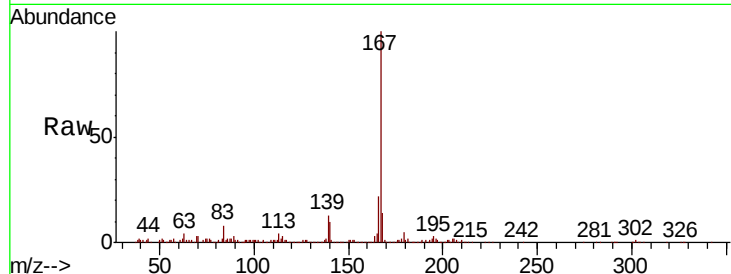
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 Carbazole
 Concen: 4.774 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020790.D
 Acq: 07 Jun 2019 07:14

Instrument :
 BNA_M
 ClientSampleId :
 C0AC7

Tot Ion:	167	Resp:	429717
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.0	25.6
139	12.8	10.5	15.7

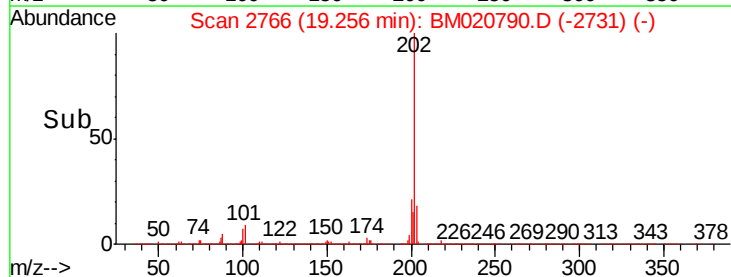
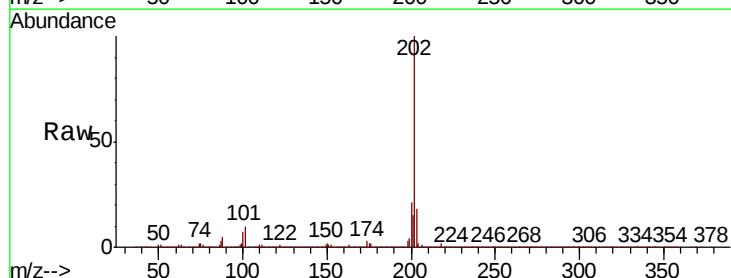
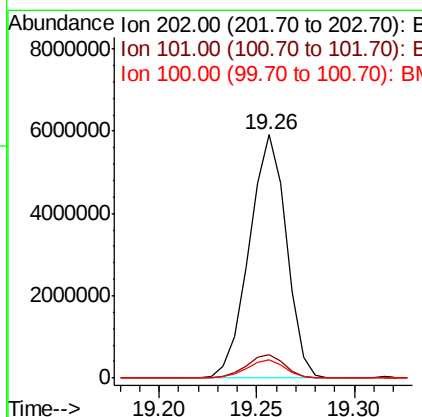
Manual Integrations
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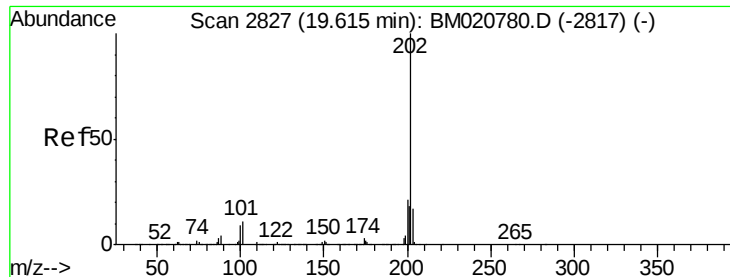
mohammad
 6/7/2019 2:15:12 PM



#76
 Fluoranthene
 Concen: 67.481 ng/ul
 RT: 19.26 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BM020790.D
 Acq: 07 Jun 2019 07:14

Tgt Ion:	202	Resp:	7808630
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.9	11.9
100	7.4	6.2	9.4





#79

Pvrene

Concen: 68.650 ng/ul

RT: 19.62 min Scan# 2828

Delta R.T. 0.01 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Instrument :

BNA_M

ClientSampleId :

C0AC7

Tot Ion:202 Resp: 6928379

Ion Ratio Lower Upper

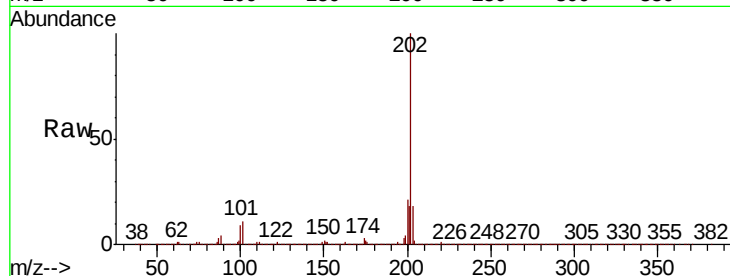
202 100

101 11.2 9.8 14.6

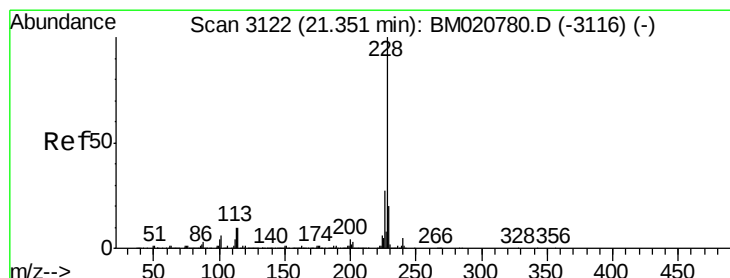
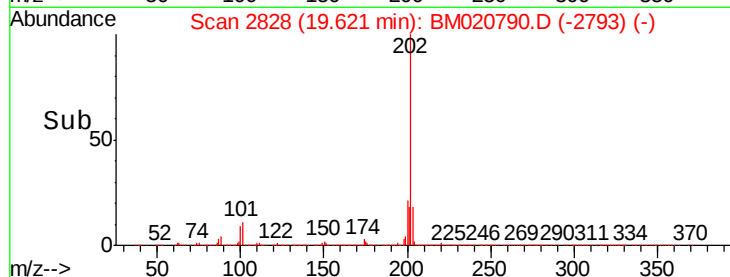
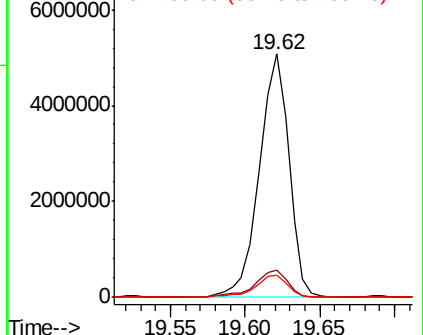
100 9.2 8.0 12.0

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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



#82

Benzo(a)anthracene

Concen: 36.461 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

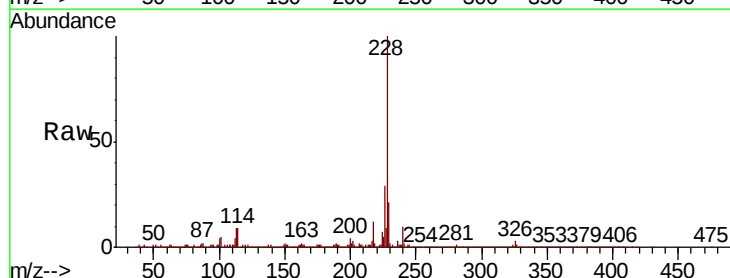
Tgt Ion:228 Resp: 3718663

Ion Ratio Lower Upper

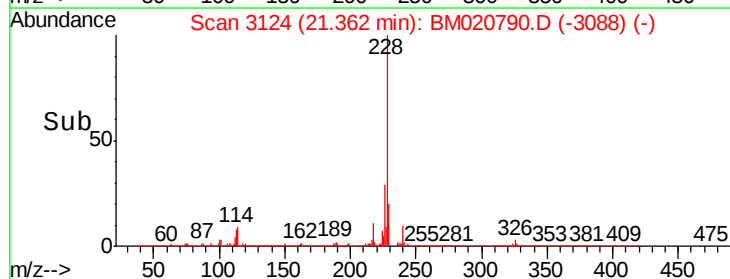
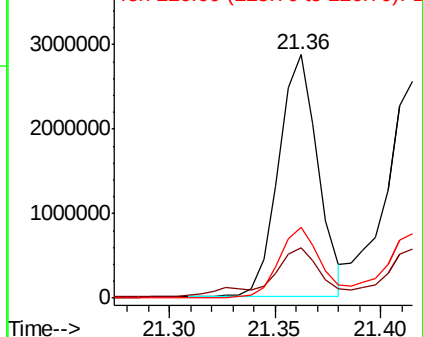
228 100

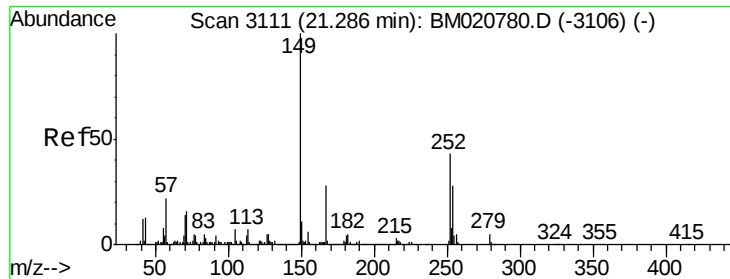
229 20.9 15.6 23.4

226 29.0 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





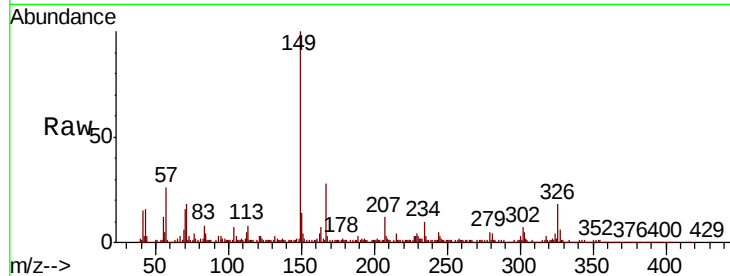
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.325 ng/ul
 RT: 21.29 min Scan# 3111
 Delta R.T. -0.00 min
 Lab File: BM020790.D
 Acq: 07 Jun 2019 07:14

Instrument :
 BNA_M
 ClientSampleId :
 C0AC7

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.9	32.9
279	4.5	4.1	6.1

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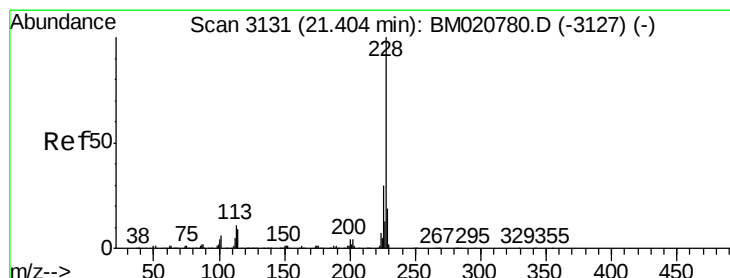
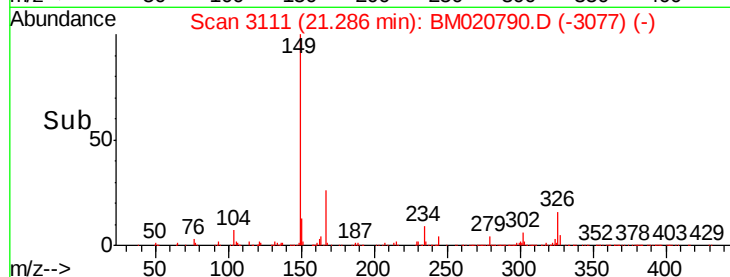
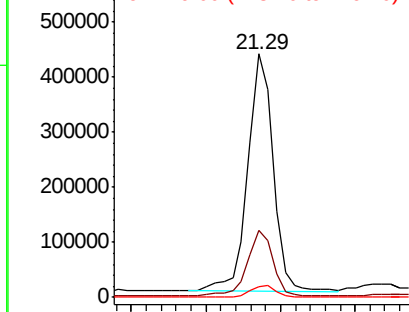


Abundance

Ion 149.00 (148.70 to 149.70): E

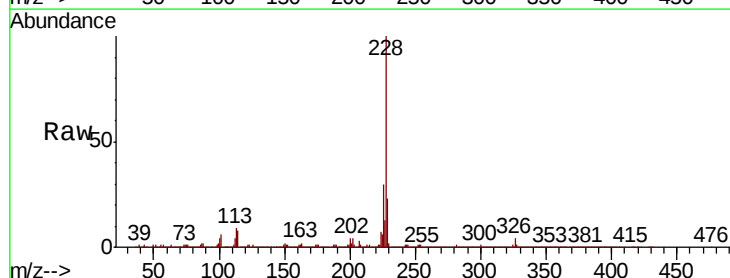
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Chrysene
 Concen: 38.772 ng/ul
 RT: 21.41 min Scan# 3133
 Delta R.T. 0.01 min
 Lab File: BM020790.D
 Acq: 07 Jun 2019 07:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	22.8	16.2	24.2

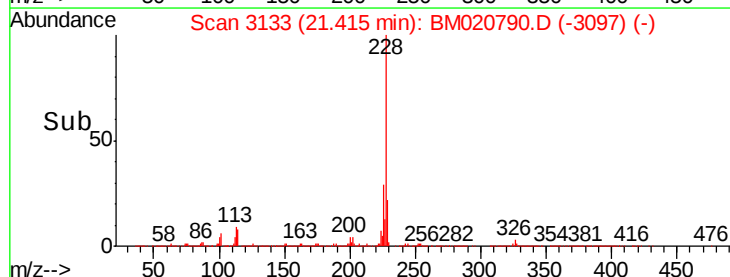
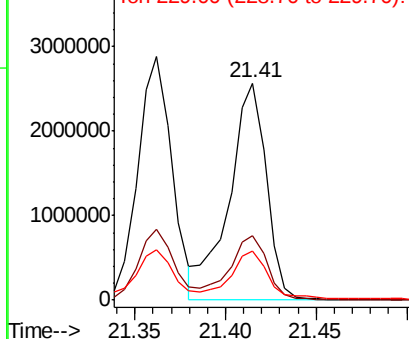


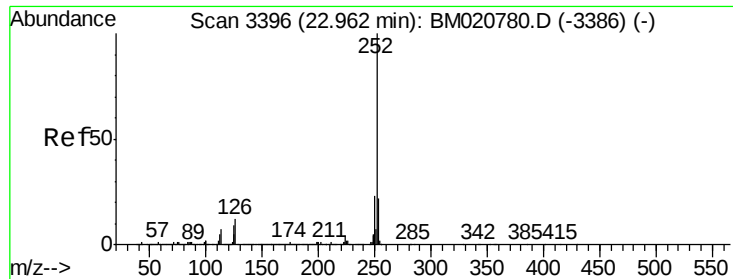
Abundance

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: 45.787 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Instrument :

BNA_M

ClientSampleId :

C0AC7

Tot Ion:252 Resp: 4826500

Ion Ratio Lower Upper

252 100

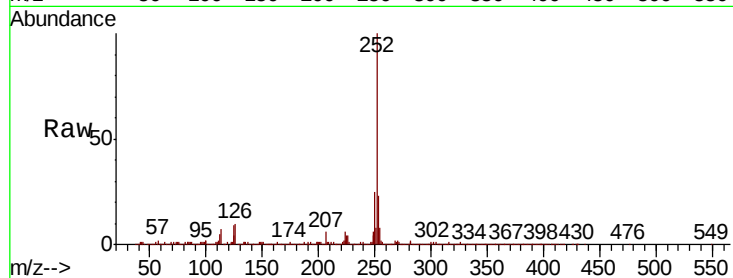
253 23.0 17.6 26.4

125 9.2 7.3 10.9

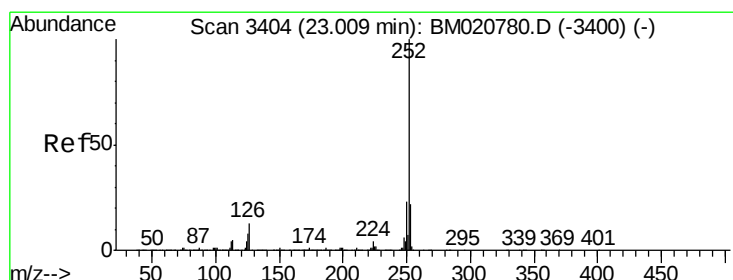
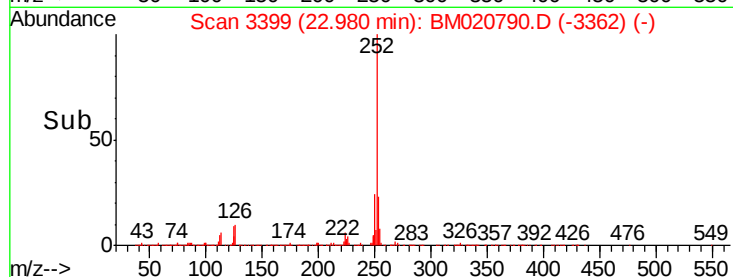
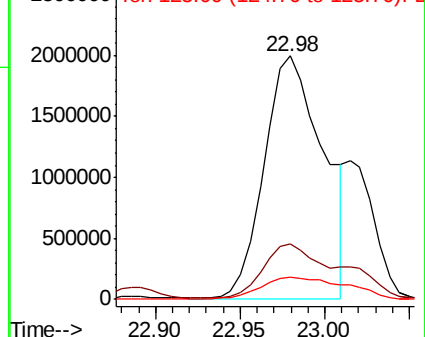
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 13.234 ng/ul m

RT: 23.01 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

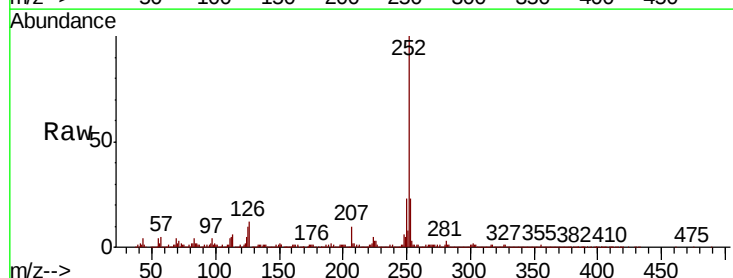
Tgt Ion:252 Resp: 1333433

Ion Ratio Lower Upper

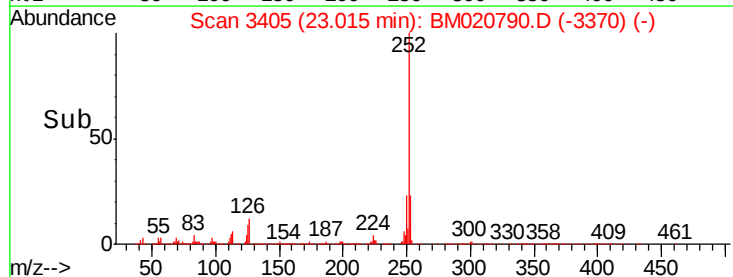
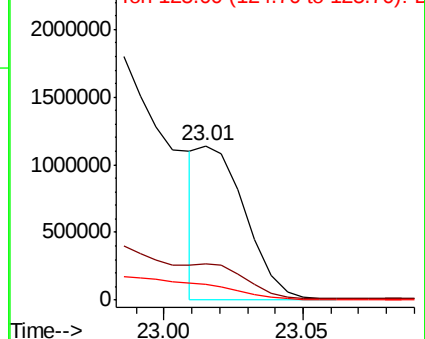
252 100

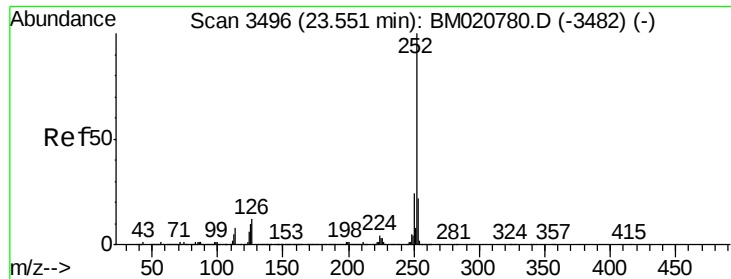
253 23.4 17.6 26.4

125 10.0 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: 31.685 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.02 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Instrument :

BNA_M

ClientSampleId :

C0AC7

Tot Ion:252 Resp: 3177532

Ion Ratio Lower Upper

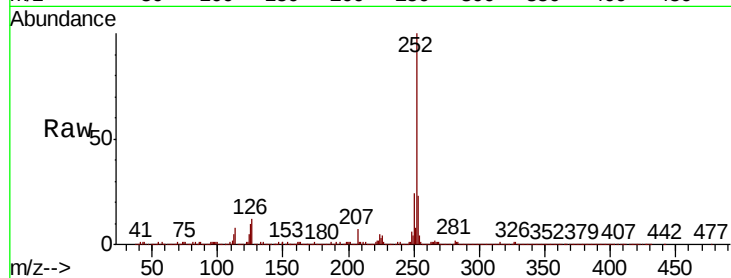
252 100

253 22.9 17.0 25.6

125 9.6 8.2 12.4

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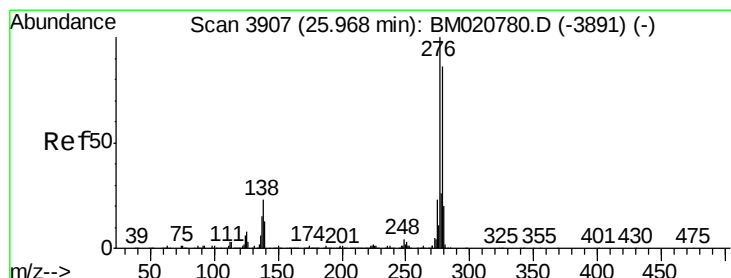
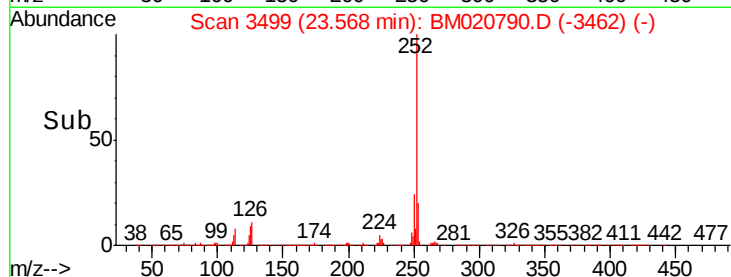
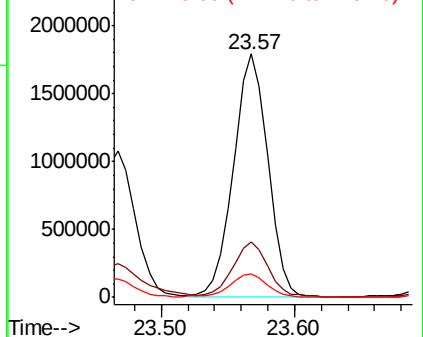


Abundance

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: 17.785 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. 0.01 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Tgt Ion:276 Resp: 2106635

Ion Ratio Lower Upper

276 100

138 18.6 17.8 26.8

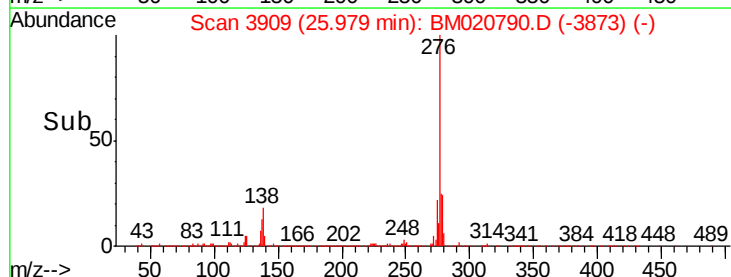
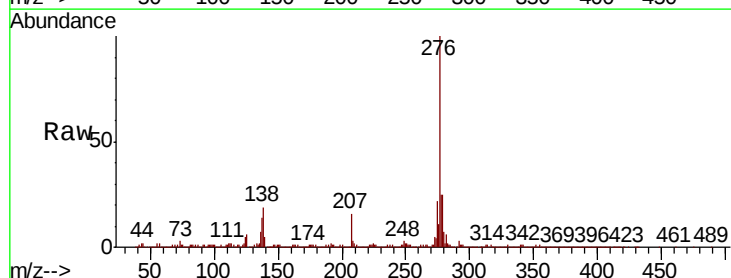
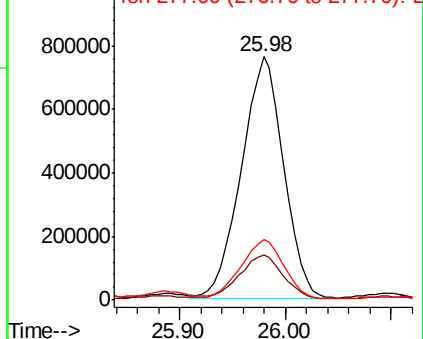
277 25.1 20.0 30.0

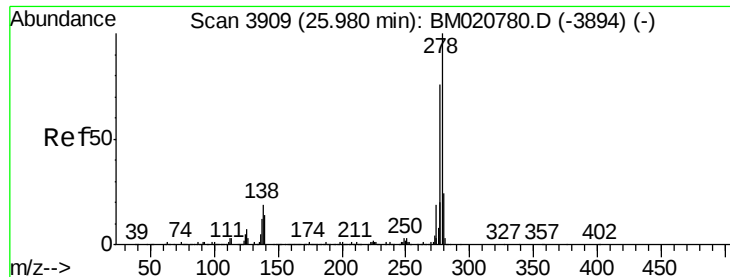
Abundance

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: 5.961 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.00 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Instrument :

BNA_M

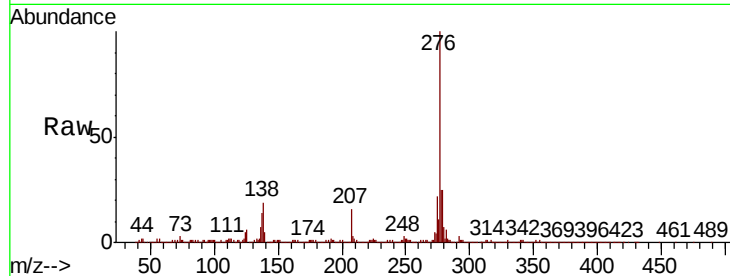
ClientSampleId :

C0AC7

Tot Ion:	278	Resp:	598224
Ion Ratio	Lower	Upper	
278	100		
139	19.0	11.6	17.4#
279	27.4	18.6	28.0

Manual Integrations
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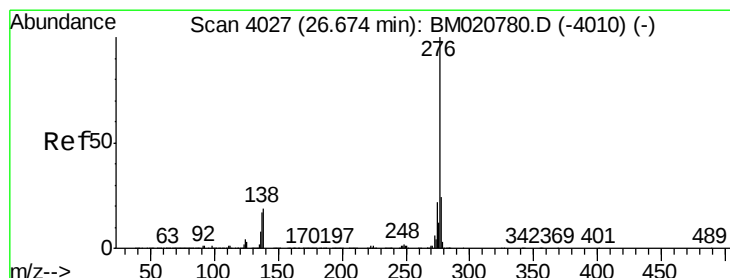
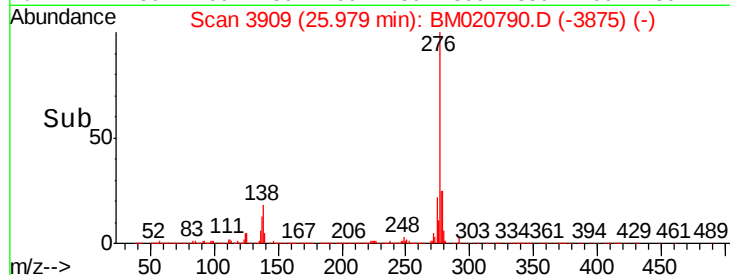
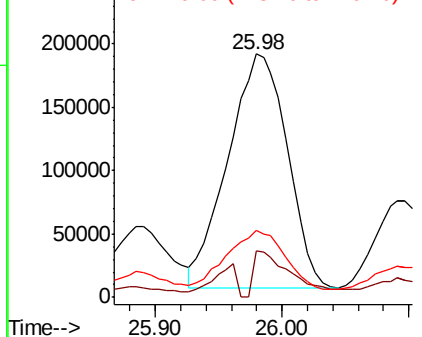


Abundance

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: 16.726 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.02 min

Lab File: BM020790.D

Acq: 07 Jun 2019 07:14

Tgt Ion:	276	Resp:	1607306
Ion Ratio	Lower	Upper	
276	100		
138	18.7	16.6	25.0
277	24.2	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

