

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020400.D
 Acq On : 18 May 2019 13:36
 Operator : JU/SJ
 Sample : K2604-20MEDL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 GAJ91MEDL

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:47:58 PM

Quant Time: May 20 07:40:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	66204	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	255832	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	158529	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	371358	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	379775	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	424435	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1130	0.63	ng/uL	0.01
5) Phenol-d5	6.90	99	13571m	2.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	10544m	3.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	11979	3.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	8772	2.28	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	4941	2.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	4009	2.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	9882	2.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	7914m	1.97	ng/ul	0.01
43) Dimethylphthalate-d6	13.79	166	39533	3.47	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	49382	3.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	333m	0.20	ng/ul	0.00
57) Fluorene-d10	15.37	176	38427	3.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	1233	0.58	ng/ul	0.00
70) Anthracene-d10	17.23	188	55978	3.51	ng/ul	0.00
78) Pyrene-d10	19.53	212	66520	3.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	65462	3.39	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.58	128	3672972	312.485	ng/ul 100
34) 2-Methylnaphthalene	12.19	142	1434903	168.605	ng/ul 98
40) 1,1'-Biphenyl	13.21	154	175621	15.474	ng/ul 97
47) Acenaphthylene	14.10	152	1063656	79.060	ng/ul 98
49) Acenaphthene	14.45	153	66487	7.189	ng/ul 96
53) Dibenzofuran	14.78	168	76646	5.472	ng/ul 97
58) Fluorene	15.43	166	491945	43.844	ng/ul 100
69) Phenanthrene	17.17	178	2361055	133.436	ng/ul 99
71) Anthracene	17.26	178	484508	26.919	ng/ul 100
76) Fluoranthene	19.19	202	857520	38.365	ng/ul 100
79) Pyrene	19.56	202	1247234	54.716	ng/ul 98
82) Benzo(a)anthracene	21.31	228	434078m	18.990	ng/ul
84) Chrysene	21.36	228	372865	17.069	ng/ul 96
87) Benzo(b)fluoranthene	22.91	252	277801m	11.468	ng/ul
88) Benzo(k)fluoranthene	22.94	252	94440m	3.969	ng/ul
90) Benzo(a)pyrene	23.49	252	315314	13.832	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.89	276	123507	4.755	ng/ul 98
92) Dibenzo(a,h)anthracene	25.89	278	35856	1.614	ng/ul 95
93) Benzo(g,h,i)perylene	26.60	276	123494	5.743	ng/ul 96

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

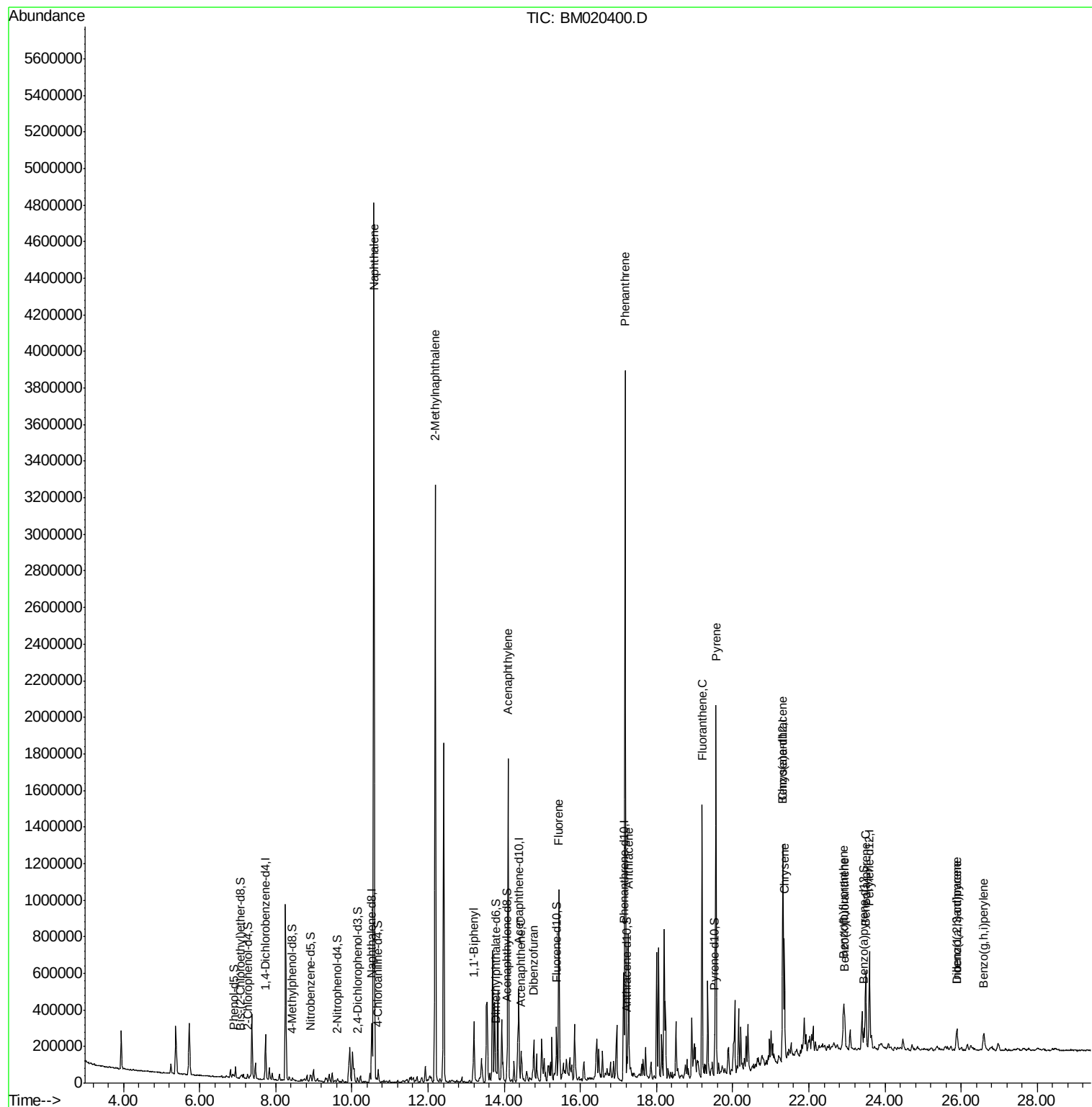
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020400.D
Acq On : 18 May 2019 13:36
Operator : JU/SJ
Sample : K2604-20MEDL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

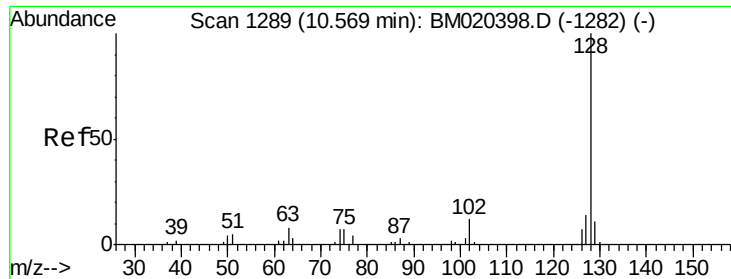
Instrument :
BNA_M
ClientSampleId :
GAJ91MEDL

Manual Integrations
APPROVED

mohammad
5/20/2019 2:47:58 PM

Quant Time: May 20 07:40:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration





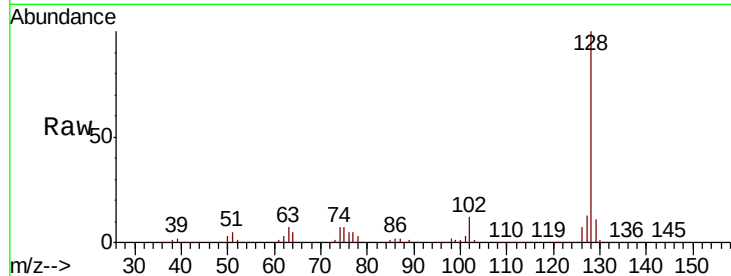
#28
Naphthalene
Concen: 312.485 ng/ul
RT: 10.58 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BM020400.D
Acq: 18 May 2019 13:36

Instrument :
BNA_M
ClientSampleId :
GAJ91MEDL

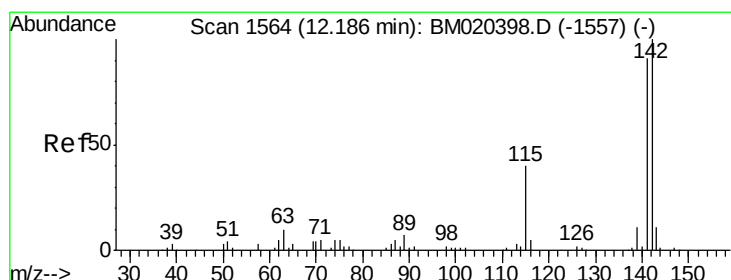
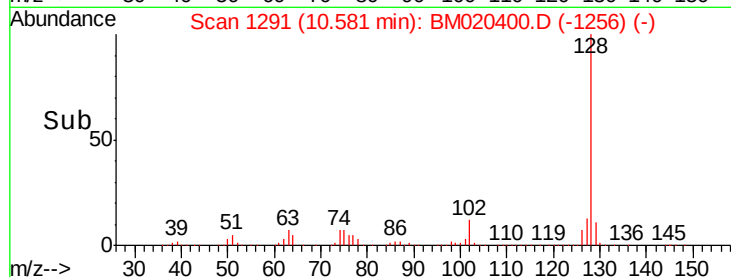
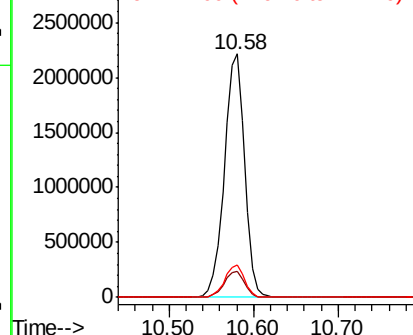
Tot Ion:128 Resp: 3672972
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.6 15.8

Manual Integrations
APPROVED

mohammad
5/20/2019 2:47:58 PM

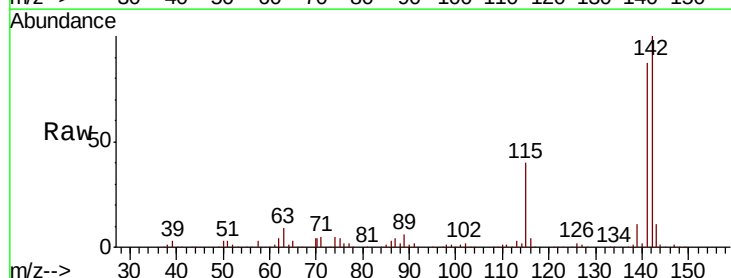


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

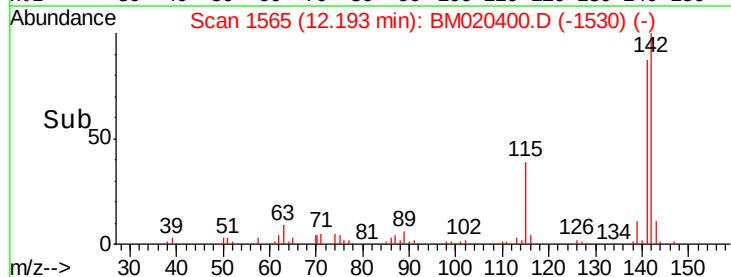
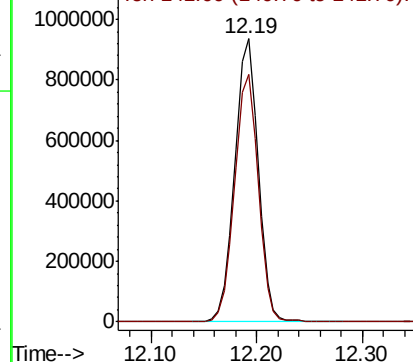


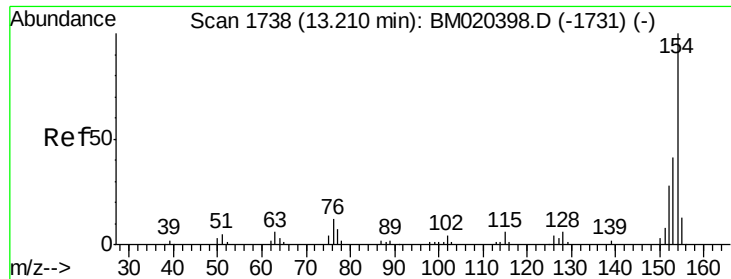
#34
2-Methylnaphthalene
Concen: 168.605 ng/ul
RT: 12.19 min Scan# 1565
Delta R.T. 0.01 min
Lab File: BM020400.D
Acq: 18 May 2019 13:36

Tgt Ion:142 Resp: 1434903
Ion Ratio Lower Upper
142 100
141 87.5 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





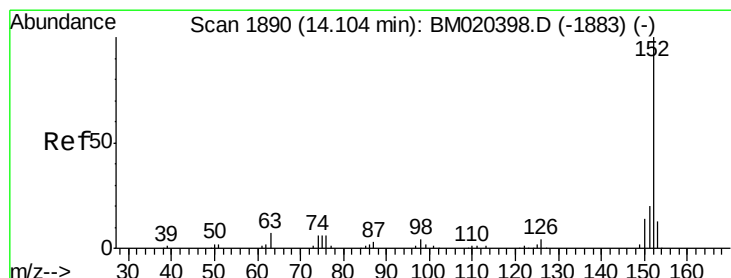
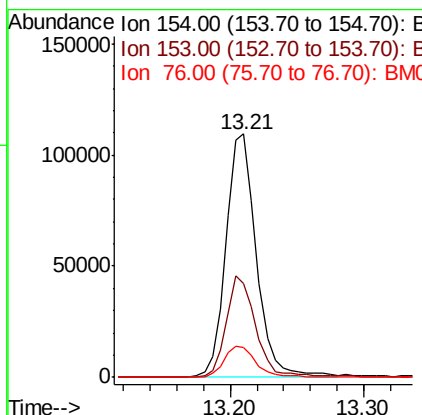
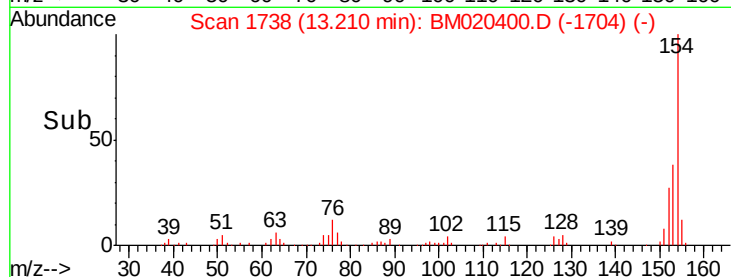
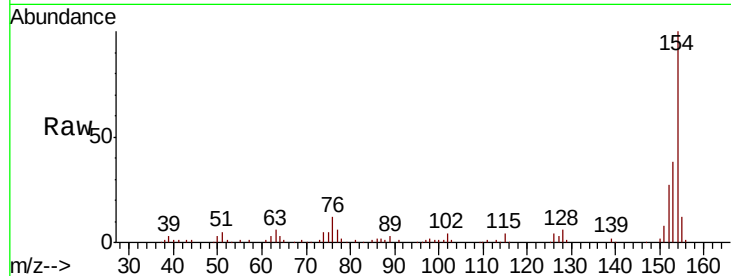
#40
 1,1'-Biphenyl
 Concen: 15.474 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Instrument :
 BNA_M
 ClientSampled :
 GAJ91MEDL

Tot Ion:	154	Resp:	175621
Ion Ratio	Lower	Upper	
154	100		
153	38.3	32.2	48.4
76	12.4	11.0	16.4

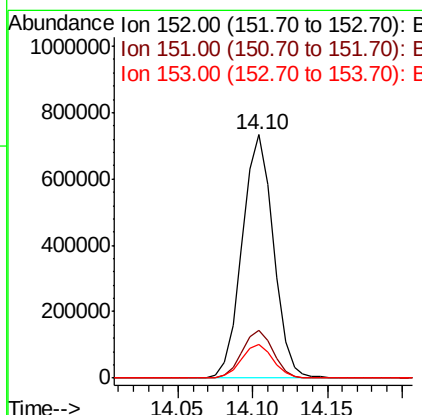
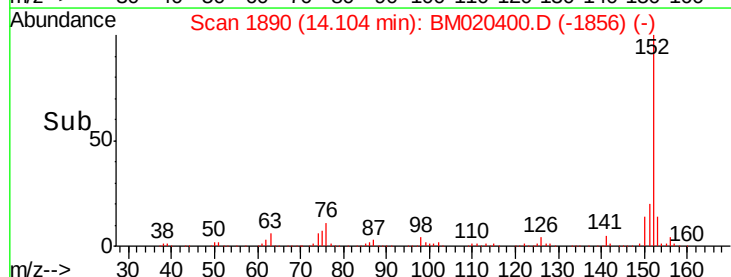
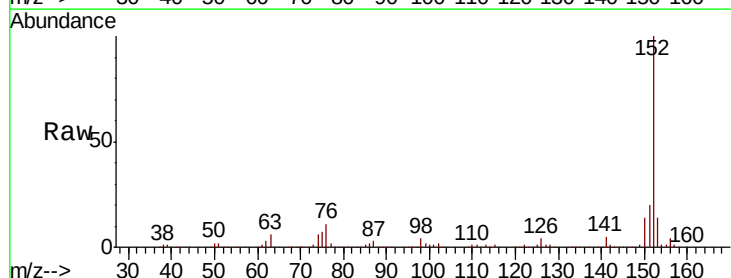
Manual Integrations
 APPROVED

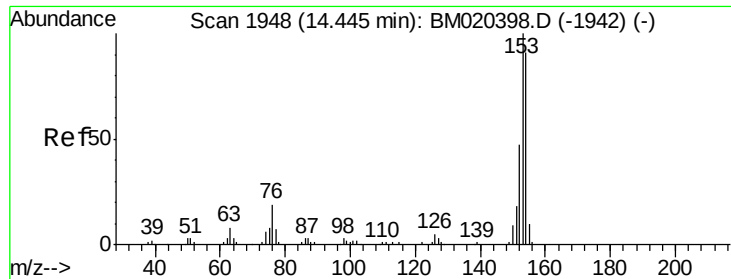
mohammad
 5/20/2019 2:47:58 PM



#47
 Acenaphthylene
 Concen: 79.060 ng/ul
 RT: 14.10 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Tgt Ion:	152	Resp:	1063656
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.4	23.0
153	13.9	10.3	15.5





#49

Acenaphthene

Concen: 7.189 ng/ul

RT: 14.45 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BM020400.D

Acq: 18 May 2019 13:36

Instrument :

BNA_M

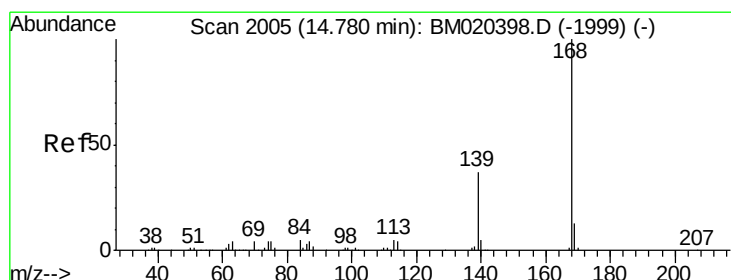
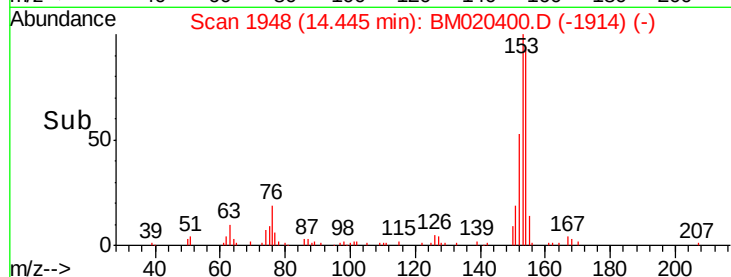
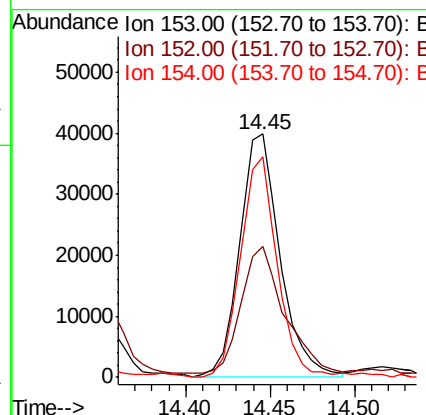
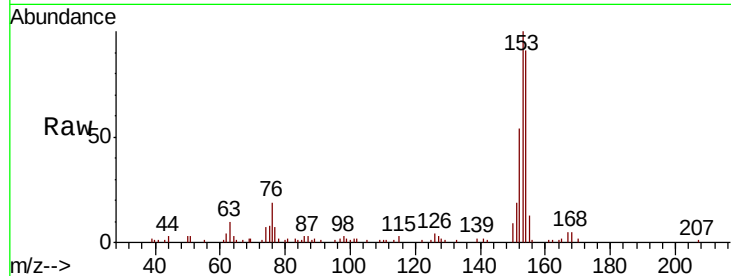
ClientSampled :

GAJ91MEDL

Tot Ion:	153	Resp:	66487
Ion Ratio	Lower	Upper	
153	100		
152	53.6	37.9	56.9
154	90.6	71.2	106.8

Manual Integrations
APPROVED

mohammad
5/20/2019 2:47:58 PM



#53

Dibenzofuran

Concen: 5.472 ng/ul

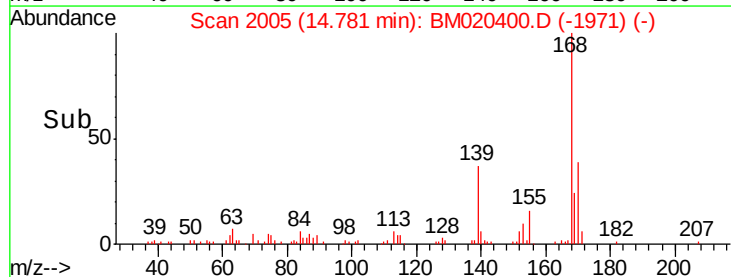
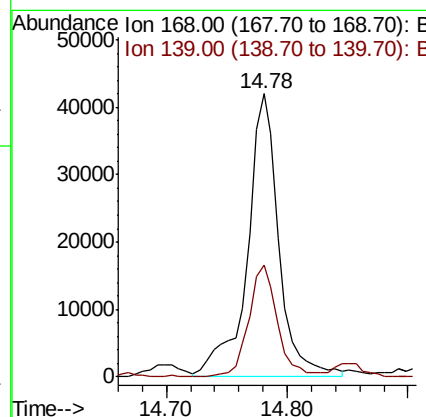
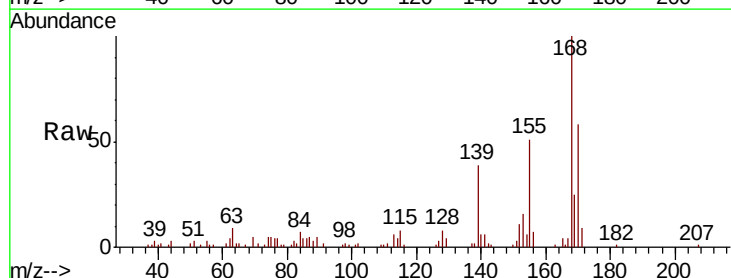
RT: 14.78 min Scan# 2005

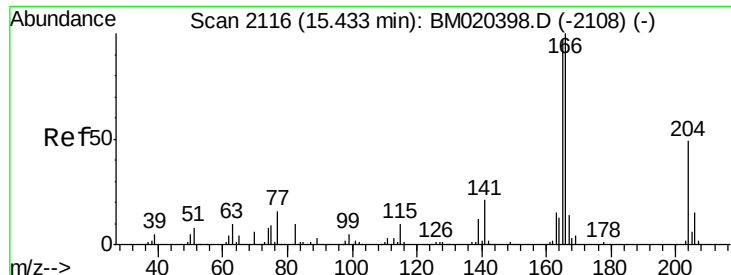
Delta R.T. 0.00 min

Lab File: BM020400.D

Acq: 18 May 2019 13:36

Tgt Ion:	168	Resp:	76646
Ion Ratio	Lower	Upper	
168	100		
139	39.4	30.1	45.1





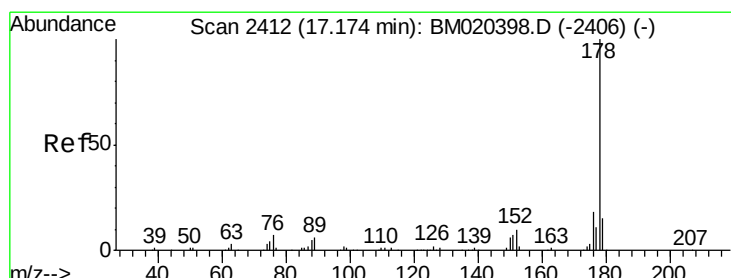
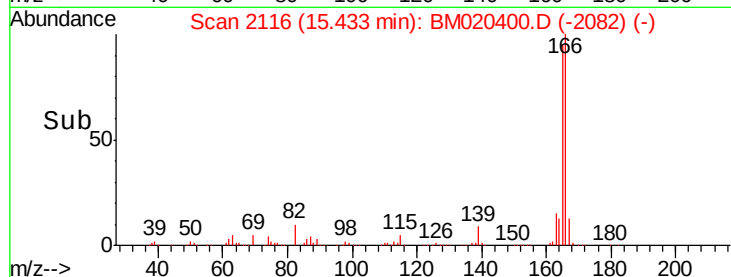
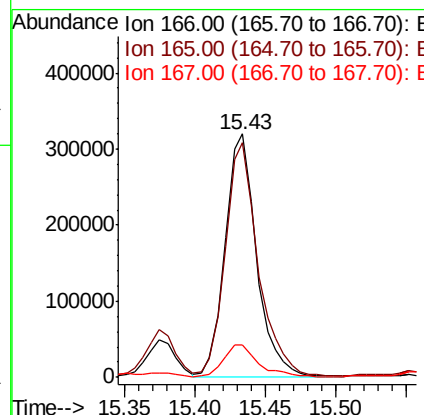
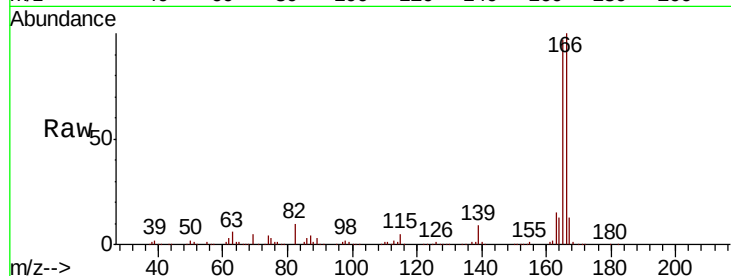
#58
 Fluorene
 Concen: 43.844 ng/ul
 RT: 15.43 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91MEDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.1	115.7
167	13.4	11.1	16.7

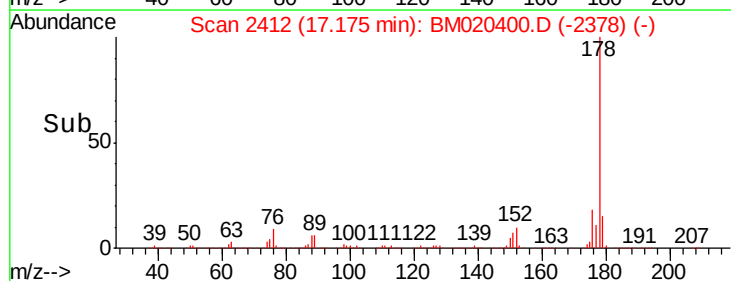
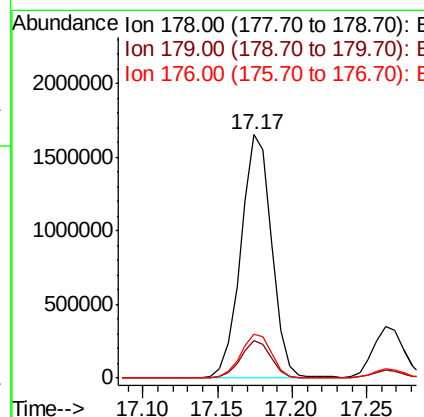
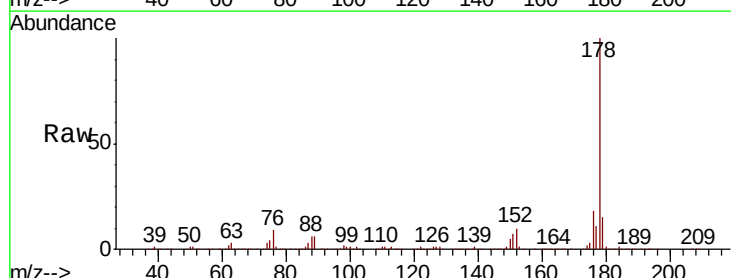
Manual Integrations
 APPROVED

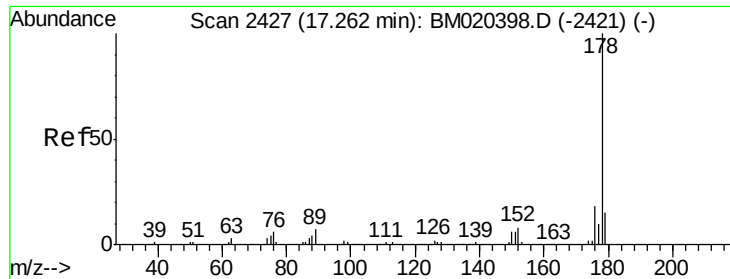
mohammad
 5/20/2019 2:47:58 PM



#69
 Phenanthrene
 Concen: 133.436 ng/ul
 RT: 17.17 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.9	17.9
176	18.2	14.6	22.0





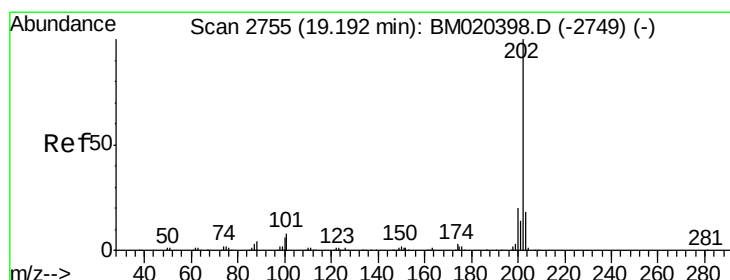
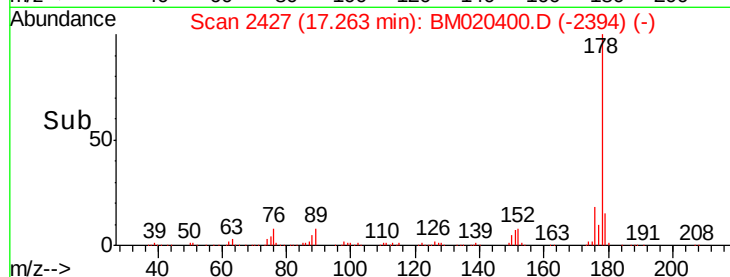
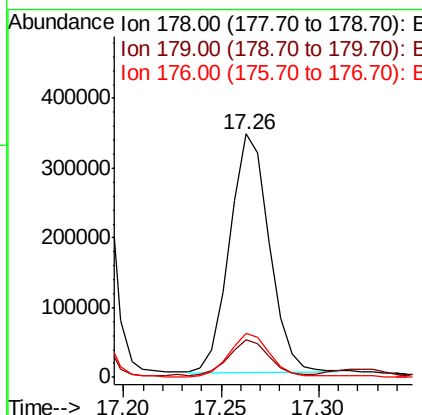
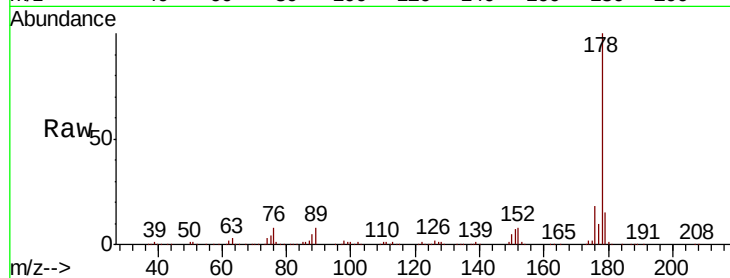
#71
 Anthracene
 Concen: 26.919 ng/ul
 RT: 17.26 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91MEDL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	17.9	14.4	21.6

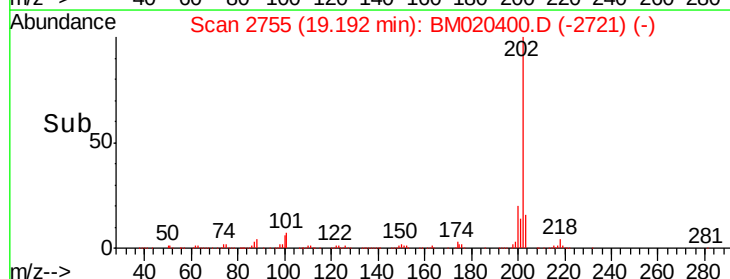
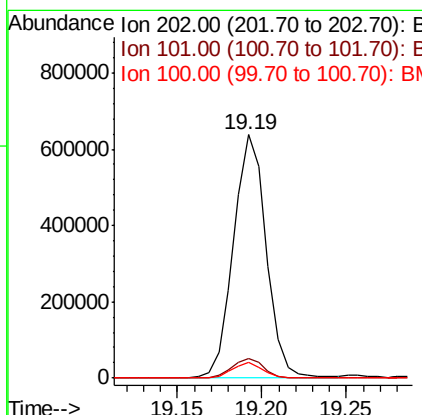
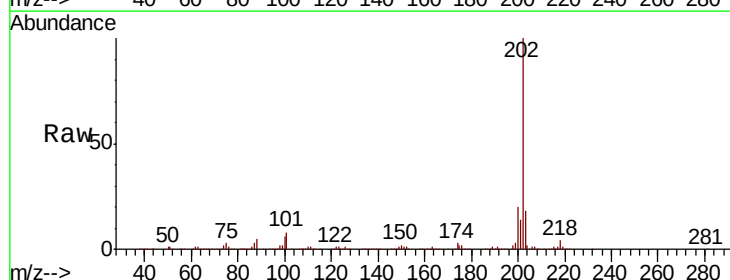
Manual Integrations
 APPROVED

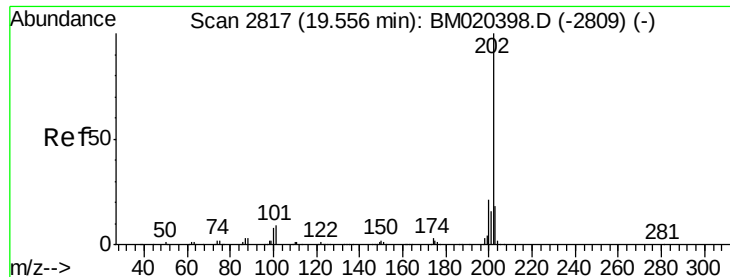
mohammad
 5/20/2019 2:47:58 PM



#76
 Fluoranthene
 Concen: 38.365 ng/ul
 RT: 19.19 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.4	9.6
100	6.3	5.2	7.8





#79

Pvrene

Concen: 54.716 ng/ul

RT: 19.56 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM020400.D

Acq: 18 May 2019 13:36

Instrument :

BNA_M

ClientSampleId :

GAJ91MEDL

Tot Ion:202 Resp: 1247234

Ion Ratio Lower Upper

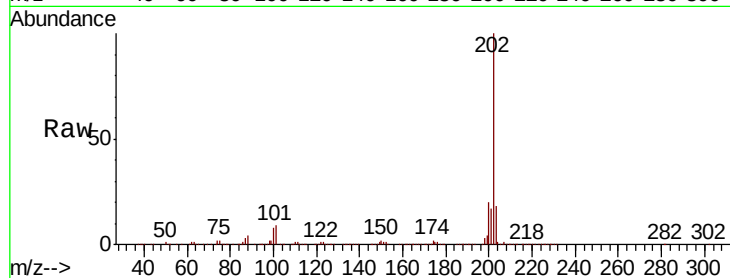
202 100

101 9.3 7.1 10.7

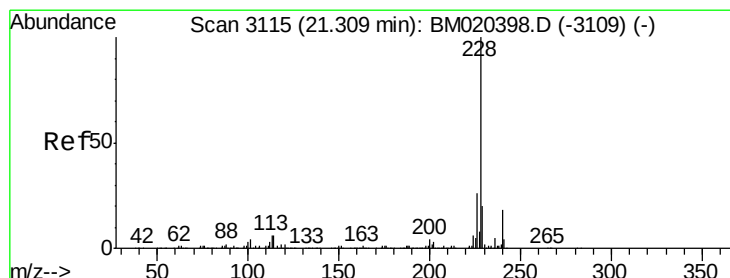
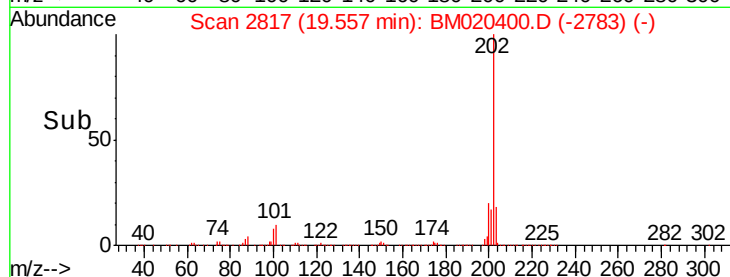
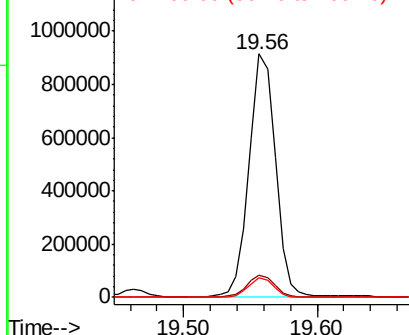
100 8.2 5.9 8.9

Manual Integrations
APPROVED

mohammad
5/20/2019 2:47:58 PM



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: 18.990 ng/ul m

RT: 21.31 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM020400.D

Acq: 18 May 2019 13:36

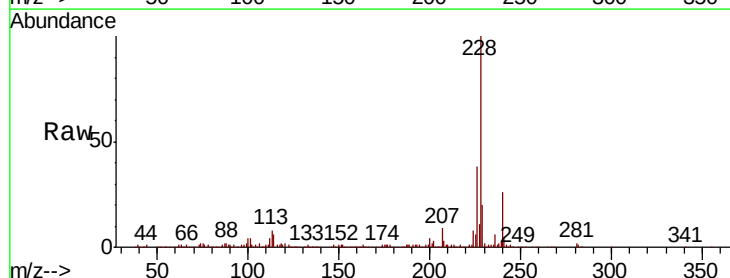
Tgt Ion:228 Resp: 434078

Ion Ratio Lower Upper

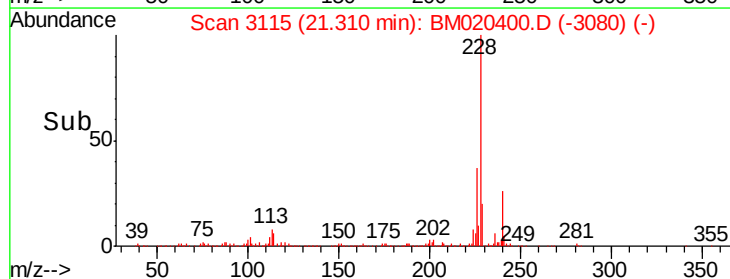
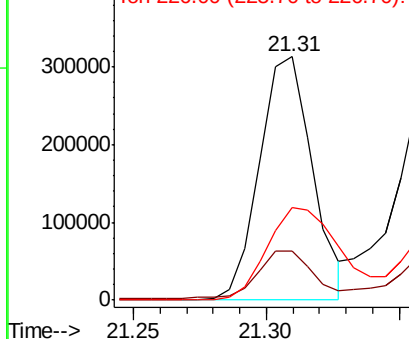
228 100

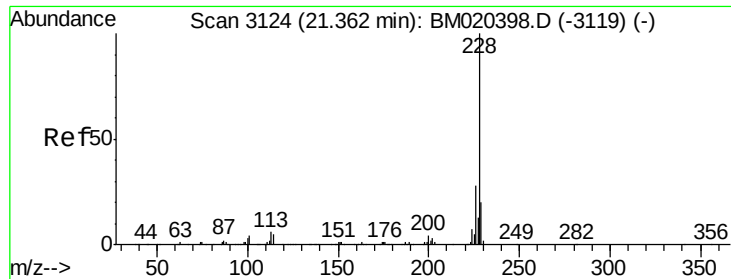
229 20.4 15.8 23.8

226 37.9 20.6 30.8#



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





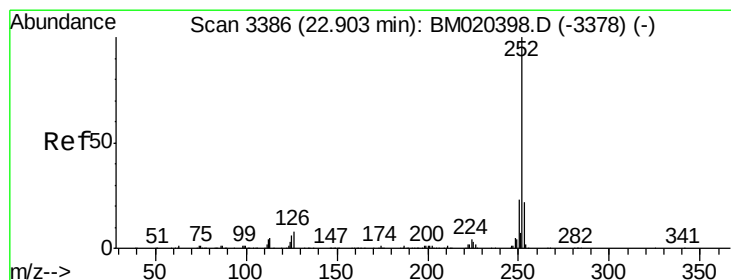
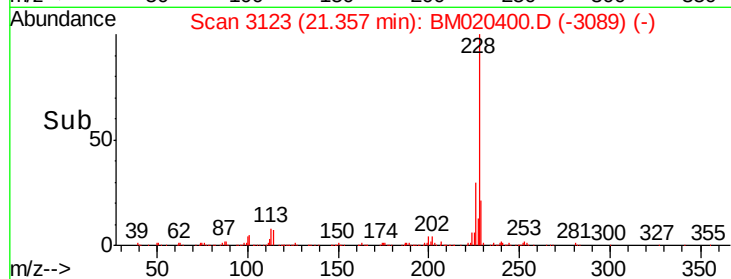
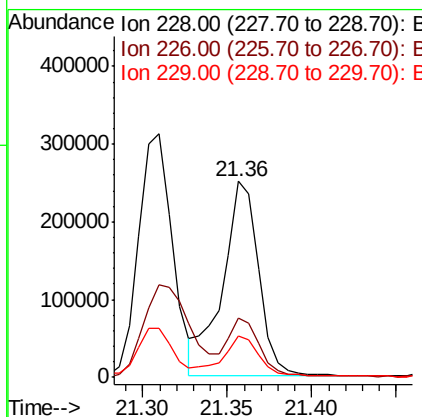
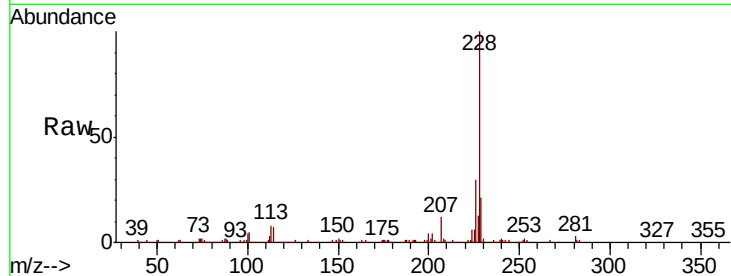
#84
 Chrysene
 Concen: 17.069 ng/ul
 RT: 21.36 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91MEDL

Tot Ion:	228	Resp:	372865
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.2	33.4
229	21.3	15.4	23.2

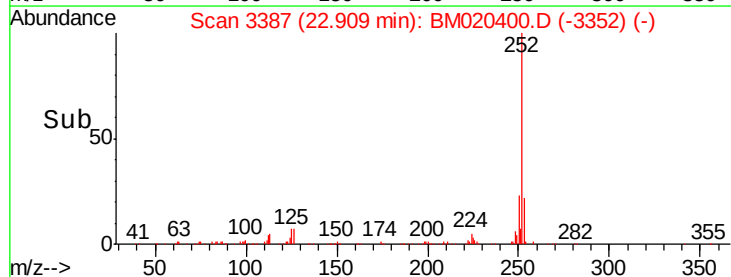
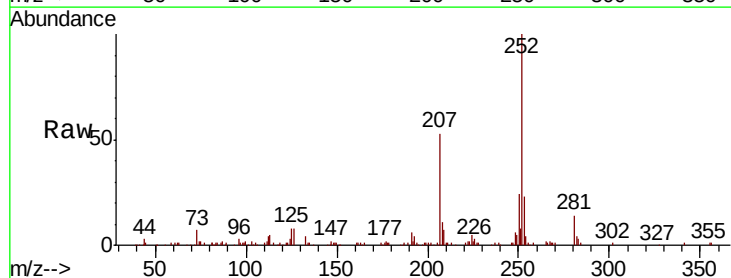
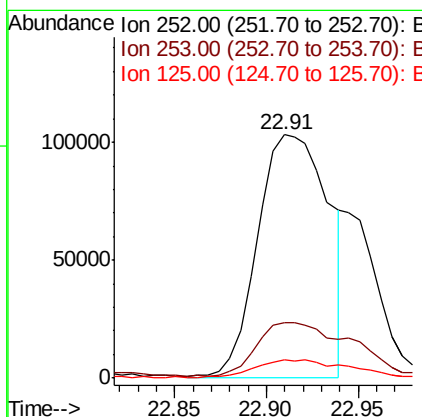
Manual Integrations
 APPROVED

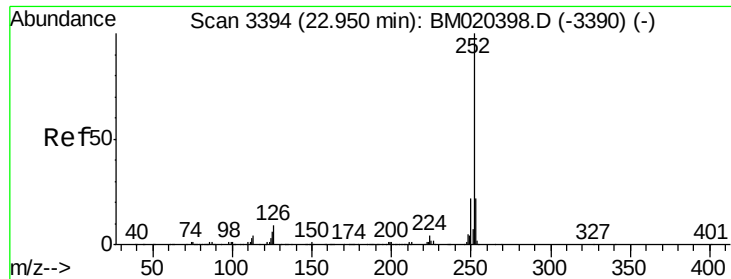
mohammad
 5/20/2019 2:47:58 PM



#87
 Benzo(b)fluoranthene
 Concen: 11.468 ng/ul m
 RT: 22.91 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Tgt Ion:	252	Resp:	277801
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	7.7	5.0	7.4#





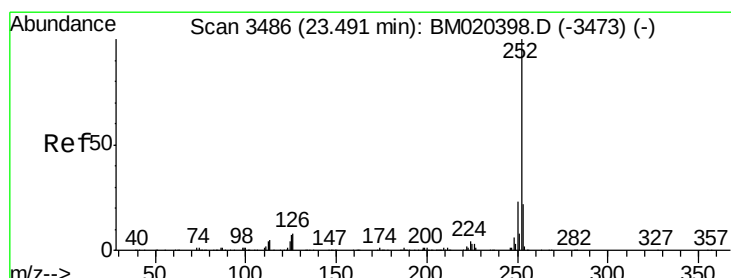
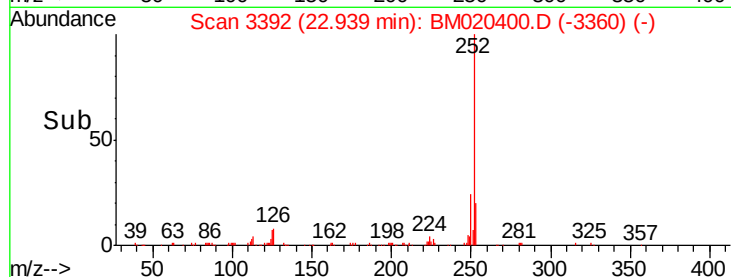
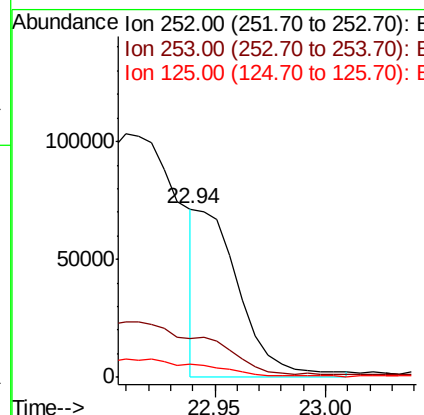
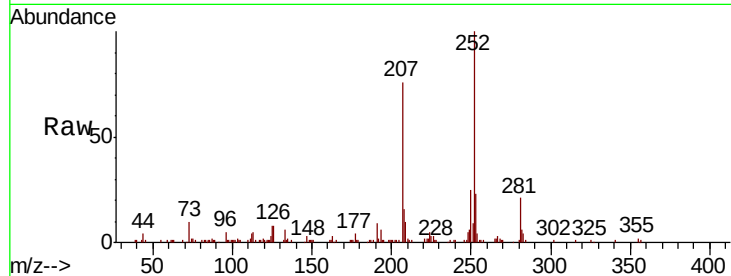
#88
Benzo(k)fluoranthene
Concen: 3.969 ng/ul m
RT: 22.94 min Scan# 3392
Delta R.T. -0.01 min
Lab File: BM020400.D
Acq: 18 May 2019 13:36

Instrument :
BNA_M
ClientSampled :
GAJ91MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	7.6	5.0	7.6#

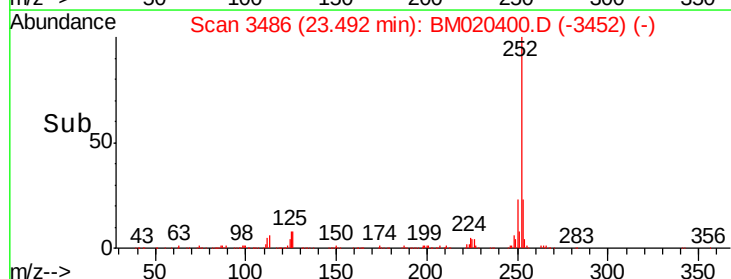
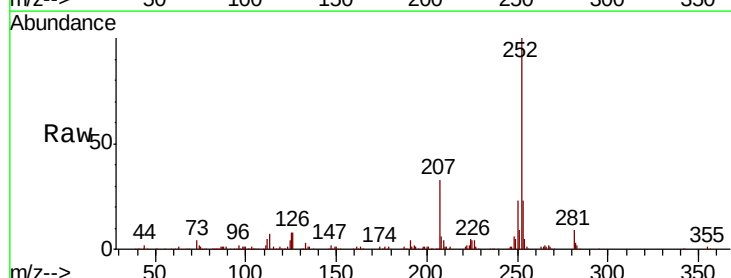
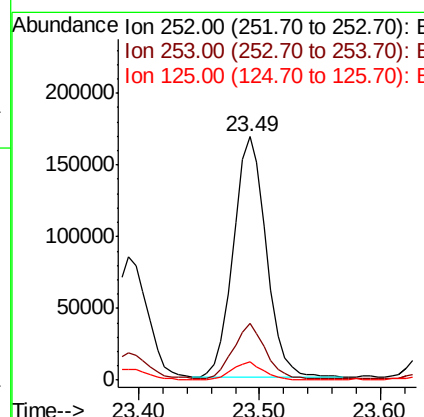
Manual Integrations
APPROVED

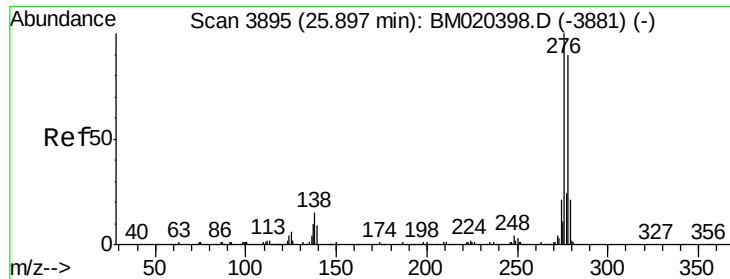
mohammad
5/20/2019 2:47:58 PM



#90
Benzo(a)pyrene
Concen: 13.832 ng/ul
RT: 23.49 min Scan# 3486
Delta R.T. 0.00 min
Lab File: BM020400.D
Acq: 18 May 2019 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	7.7	5.4	8.2





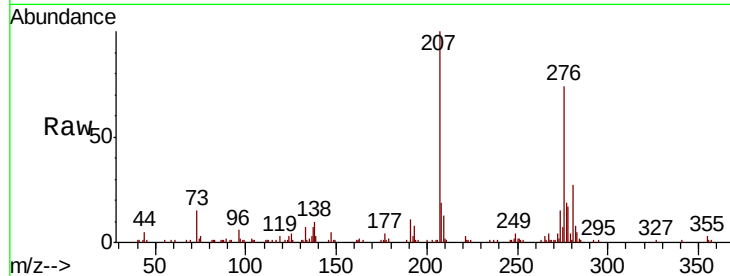
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.755 ng/ul
 RT: 25.89 min Scan# 3893
 Delta R.T. -0.01 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91MEDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.9	12.3	18.5
277	25.2	20.0	30.0

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:47:58 PM

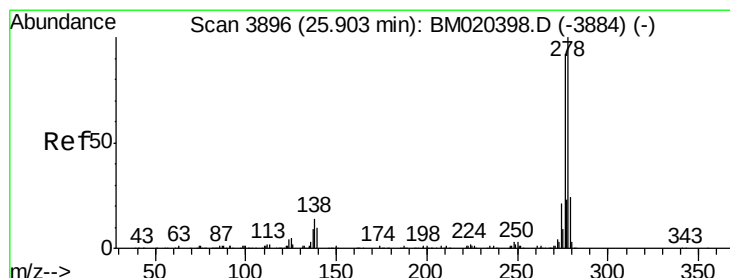
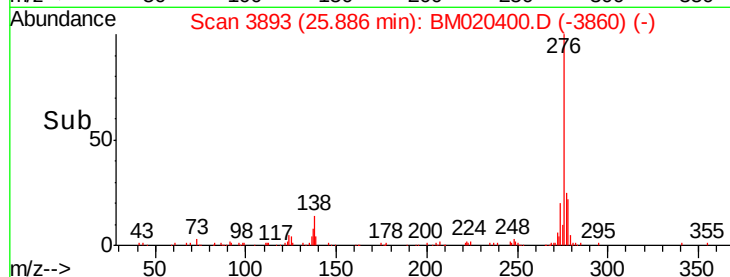
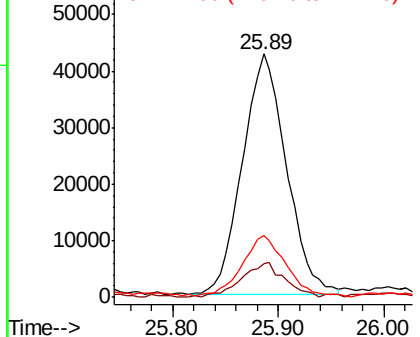


Abundance

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: 1.614 ng/ul
 RT: 25.89 min Scan# 3894
 Delta R.T. -0.01 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

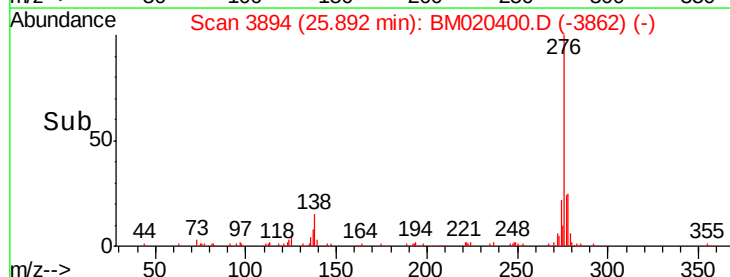
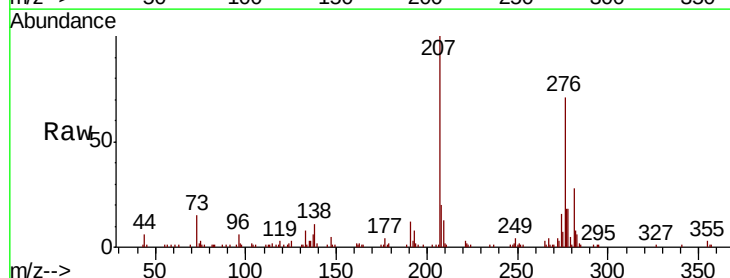
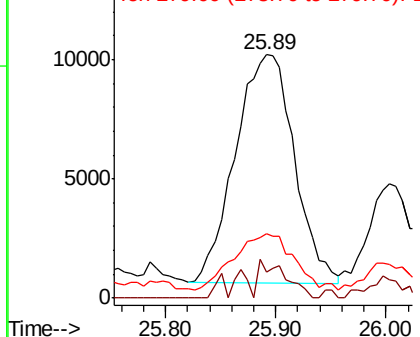
Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.6	8.1	12.1
279	26.5	18.7	28.1

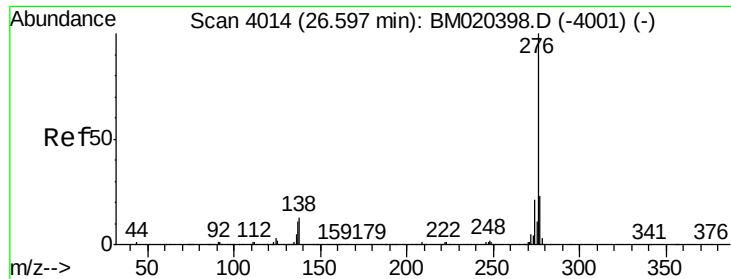
Abundance

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(a,h,i)perylene
 Concen: 5.743 ng/ul
 RT: 26.60 min Scan# 4014
 Delta R.T. 0.00 min
 Lab File: BM020400.D
 Acq: 18 May 2019 13:36

Instrument :
 BNA_M
 ClientSampleId :
 GAJ91MEDL

Tot Ion:	276	Resp:	123494
Ion Ratio	Lower	Upper	
276	100		
138	11.0	10.0	15.0
277	24.9	18.2	27.4

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:47:58 PM

