

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
 Data File : BM020855.D
 Acq On : 11 Jun 2019 03:13
 Operator : HP/JU
 Sample : K3017-18MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A51F0MS

Manual Integrations
 APPROVED

mohammad
 6/12/2019 8:29:15 AM

Quant Time: Jun 14 03:59:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 09 01:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	385478	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1505432	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	830655	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1775644	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1678860	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1981437	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	26923	3.33	ng/uL	0.00
5) Phenol-d5	6.97	99	566595	19.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	331867	18.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	481115	20.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	463231	19.52	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	224287	21.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	251457	23.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	493742	22.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	172432	6.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1440302	23.44	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1748826	22.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	201326	19.09	ng/ul	0.00
57) Fluorene-d10	15.44	176	1195280	22.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	82603	9.10	ng/ul	0.00
70) Anthracene-d10	17.29	188	1792951	23.12	ng/ul	0.00
78) Pyrene-d10	19.59	212	1866631	23.00	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	2048133	22.74	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.00	94	617034	20.323	ng/ul 99
10) 2-Chlorophenol	7.37	128	482029	19.949	ng/ul 95
14) Acetophenone	8.63	105	65010	1.773	ng/ul 96
15) N-Nitroso-di-n-propylamine	8.62	70	383546	19.870	ng/ul 96
33) 4-Chloro-3-methylphenol	11.88	107	486436	21.605	ng/ul 98
44) Dimethylphthalate	13.90	163	576858	9.376	ng/ul 99
47) Acenaphthylene	14.17	152	92683	1.230	ng/ul 98
49) Acenaphthene	14.51	153	1224856	23.278	ng/ul 98
52) 4-Nitrophenol	14.66	109	173211	20.038	ng/ul 95
54) 2,4-Dinitrotoluene	14.82	165	392484	23.525	ng/ul 98
68) Pentachlorophenol	16.84	266	277064	22.335	ng/ul 99
69) Phenanthrene	17.23	178	3790994	42.422	ng/ul 99
71) Anthracene	17.33	178	338301	3.693	ng/ul 98
74) Carbazole	17.60	167	726999	9.126	ng/ul 98
76) Fluoranthene	19.25	202	13108065	127.997	ng/ul 98
79) Pyrene	19.62	202	12701208	122.559	ng/ul 100
82) Benzo(a)anthracene	21.36	228	4472163	42.702	ng/ul 96
84) Chrysene	21.41	228	7307506	75.196	ng/ul 98
87) Benzo(b)fluoranthene	22.98	252	11606698	100.695	ng/ul 98
88) Benzo(k)fluoranthene	23.02	252	4232510m	38.416	ng/ul
90) Benzo(a)pyrene	23.57	252	6531637	59.562	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.99	276	6516190	50.310	ng/ul# 94
92) Dibenzo(a,h)anthracene	25.99	278	1417574	12.917	ng/ul# 82

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
Data File : BM020855.D
Acq On : 11 Jun 2019 03:13
Operator : HP/JU
Sample : K3017-18MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A51F0MS

Manual Integrations
APPROVED

mohammad
6/12/2019 8:29:15 AM

Quant Time: Jun 14 03:59:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jun 09 01:02:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.71	276	6069574	57.762	ng/ul	96

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

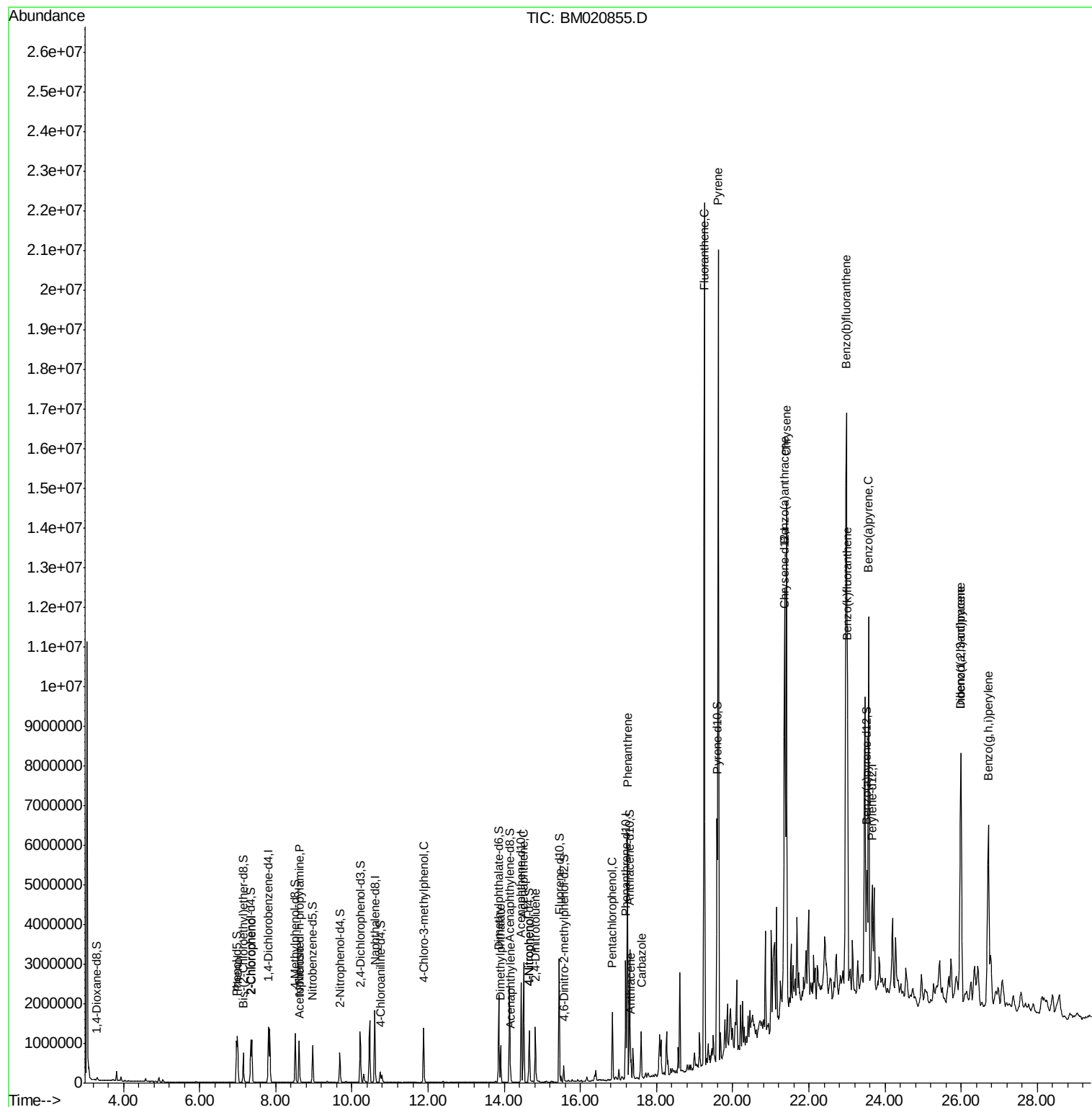
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
Data File : BM020855.D
Acq On : 11 Jun 2019 03:13
Operator : HP/JU
Sample : K3017-18MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

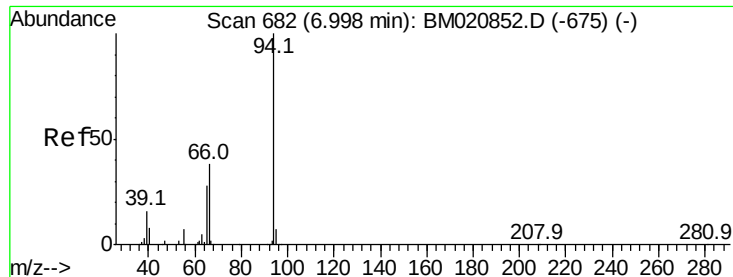
Instrument :
BNA_M
ClientSampled :
A51F0MS

Manual Integrations
APPROVED

mohammad
6/12/2019 8:29:15 AM

Quant Time: Jun 14 03:59:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jun 09 01:02:58 2019
Response via : Initial Calibration





#6

Phenol

Concen: 20.323 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

ClientSampleId :

A51F0MS

Tot Ion: 94 Resp: 617034

Ion Ratio Lower Upper

94 100

65 28.4 23.3 34.9

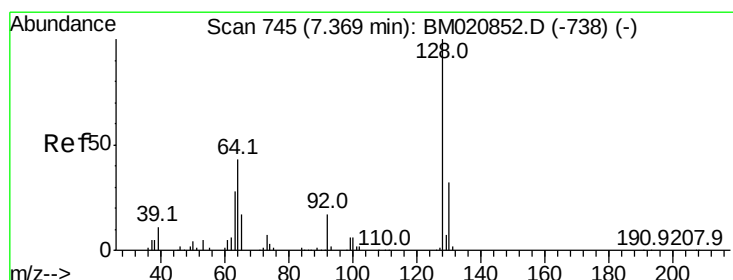
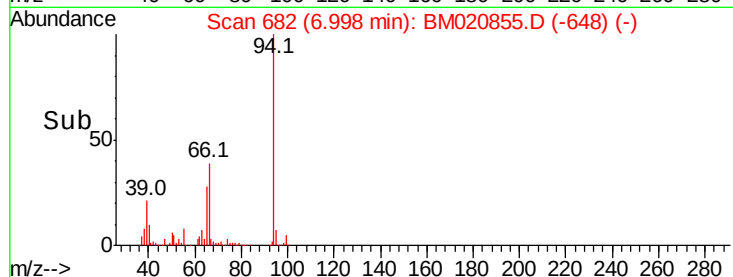
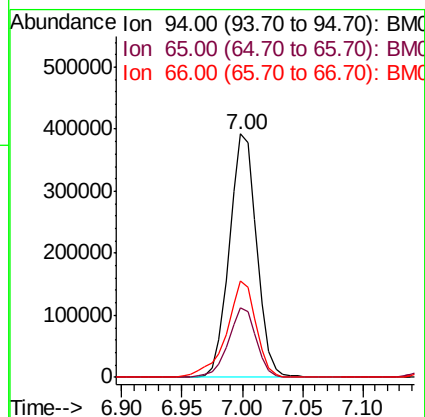
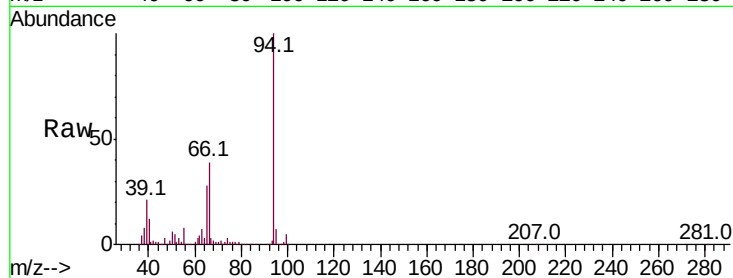
66 39.5 32.1 48.1

Manual Integrations

APPROVED

mohammad

6/12/2019 8:29:15 AM



#10

2-Chlorophenol

Concen: 19.949 ng/ul

RT: 7.37 min Scan# 746

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

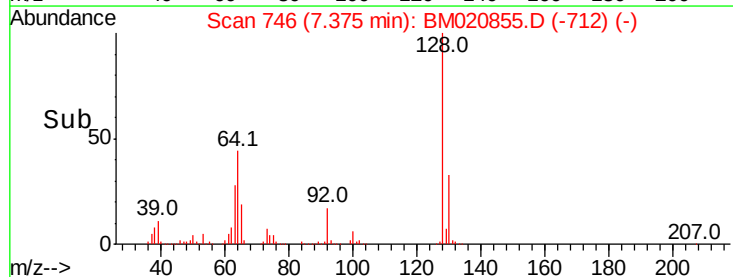
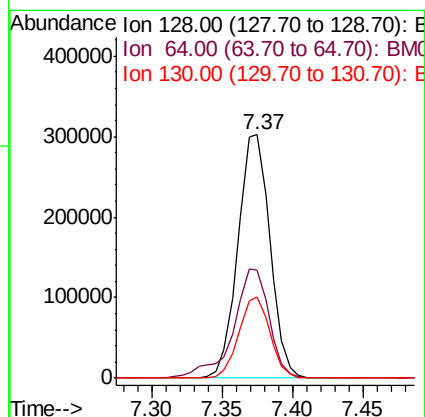
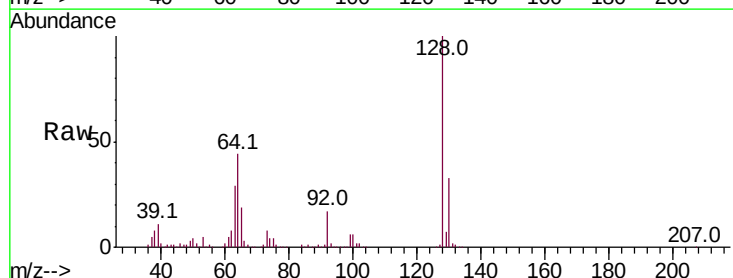
Tgt Ion: 128 Resp: 482029

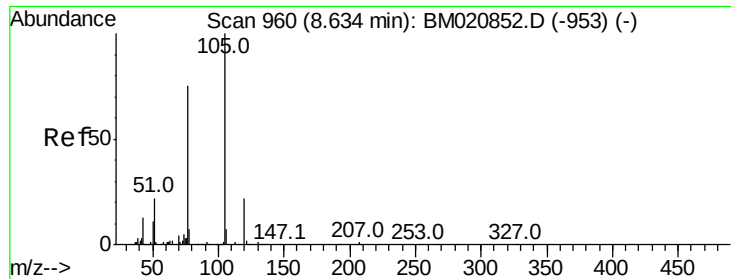
Ion Ratio Lower Upper

128 100

64 44.5 39.0 58.4

130 33.1 27.5 41.3





#14

Acetophenone

Concen: 1.773 ng/ul

RT: 8.63 min Scan# 960

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

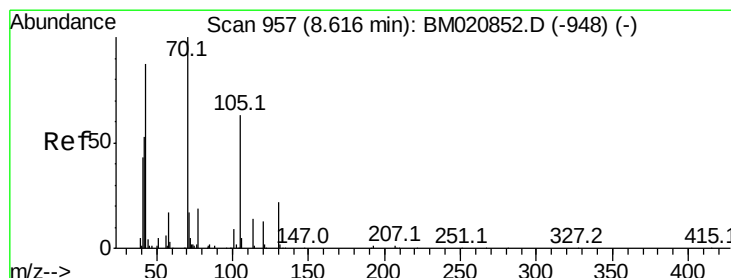
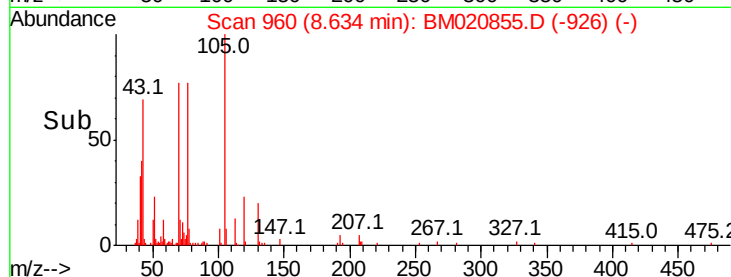
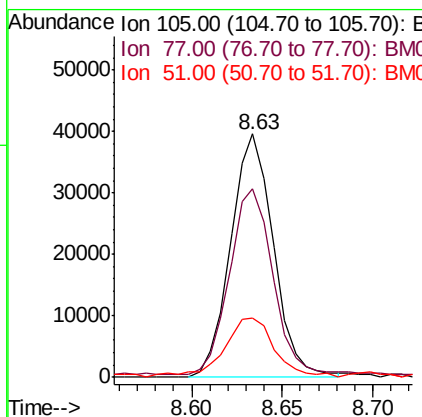
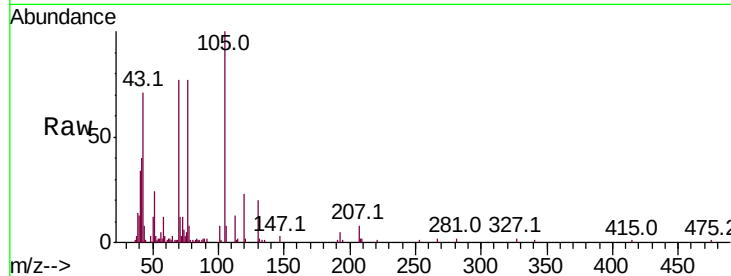
ClientSampled :

A51F0MS

Tot Ion:	105	Resp:	65010
Ion Ratio	Lower	Upper	
105	100		
77	77.5	64.6	97.0
51	24.2	21.4	32.2

Manual Integrations
APPROVED

mohammad
6/12/2019 8:29:15 AM



#15

N-Nitroso-di-n-propylamine

Concen: 19.870 ng/ul

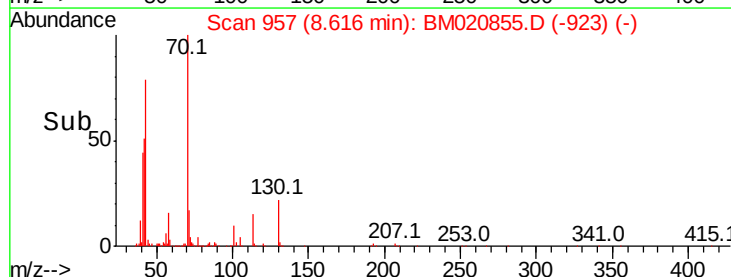
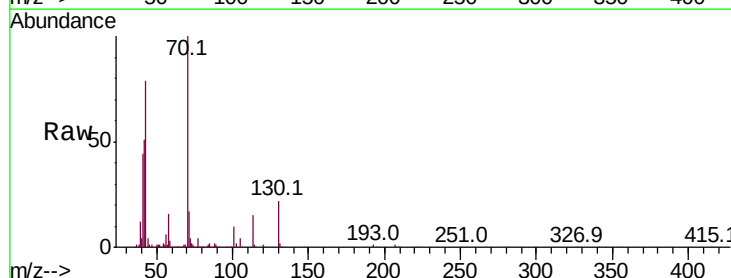
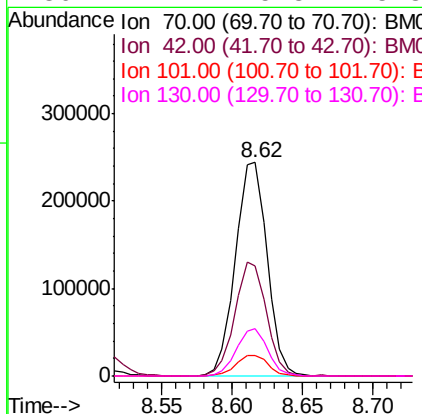
RT: 8.62 min Scan# 957

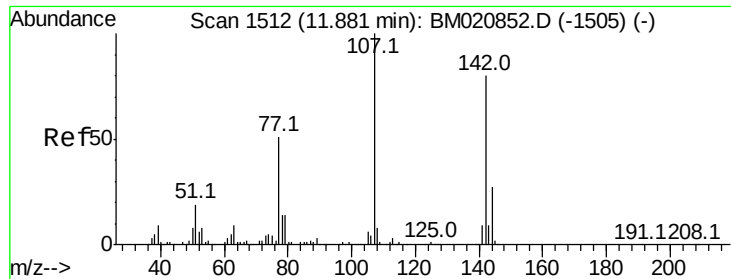
Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Tgt Ion:	70	Resp:	383546
Ion Ratio	Lower	Upper	
70	100		
42	51.3	43.6	65.4
101	9.9	8.2	12.2
130	22.1	15.8	23.8





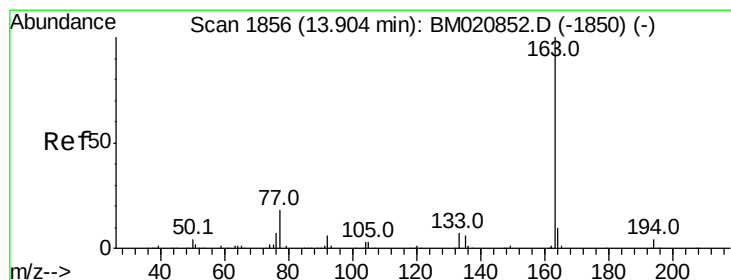
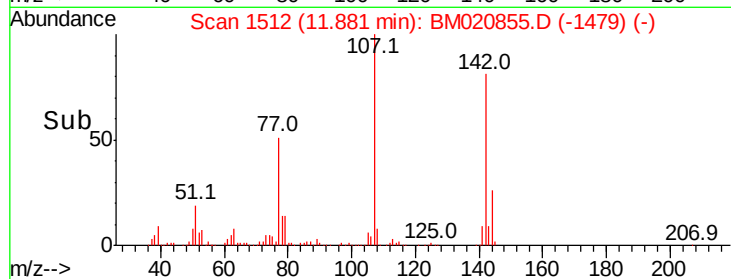
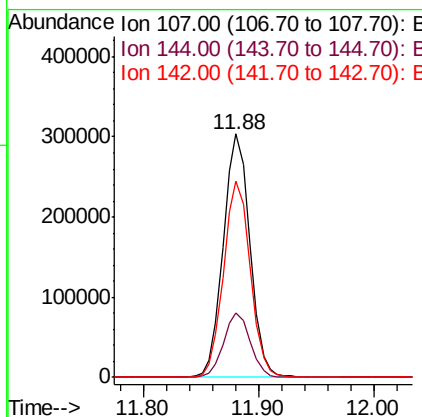
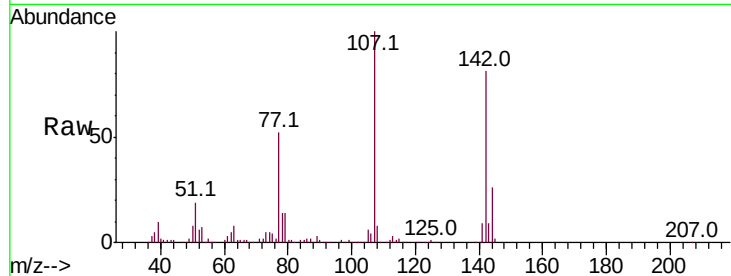
#33
4-Chloro-3-methylphenol
Concen: 21.605 ng/ul
RT: 11.88 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BM020855.D
Acq: 11 Jun 2019 03:13

Instrument :
BNA_M
ClientSampleId :
A51F0MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.3	31.9
142	80.7	63.2	94.8

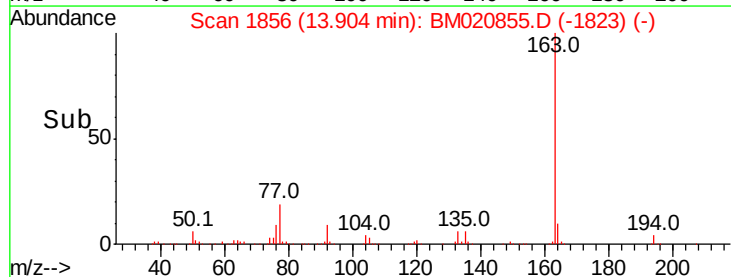
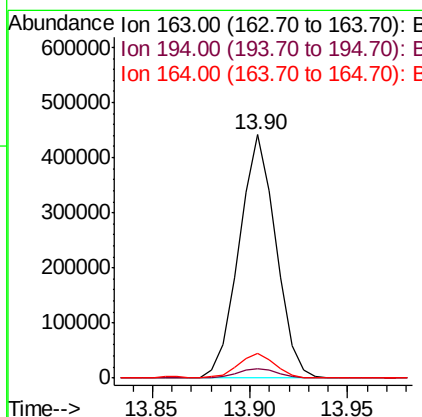
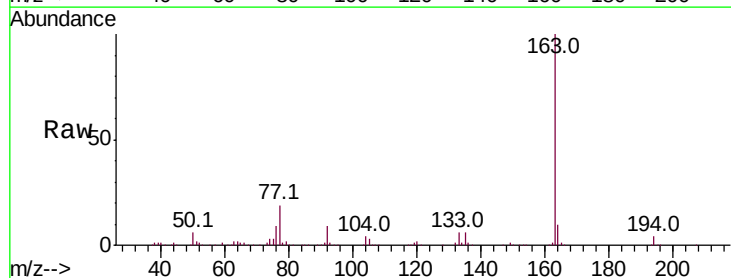
Manual Integrations
APPROVED

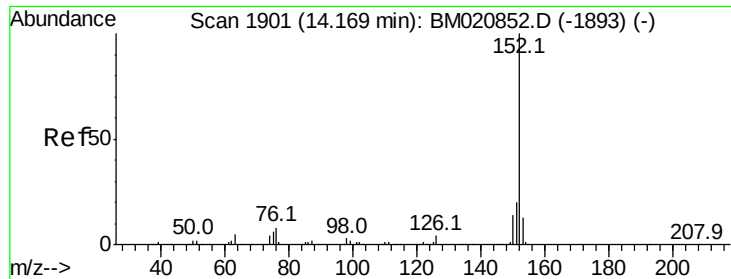
mohammad
6/12/2019 8:29:15 AM



#44
Dimethylphthalate
Concen: 9.376 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020855.D
Acq: 11 Jun 2019 03:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	8.0	12.0





#47

Acenaphthylene

Concen: 1.230 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

ClientSampleId :

A51F0MS

Tot Ion:152 Resp: 92683

Ion Ratio Lower Upper

152 100

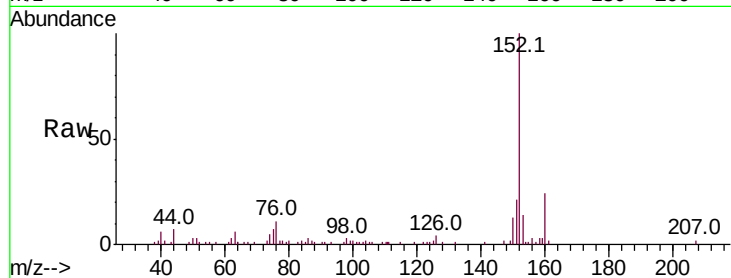
151 21.2 16.2 24.2

153 13.8 10.6 15.8

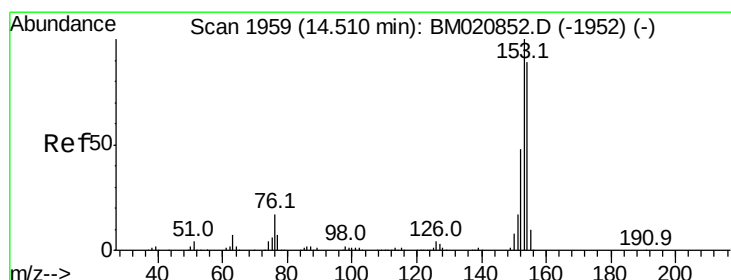
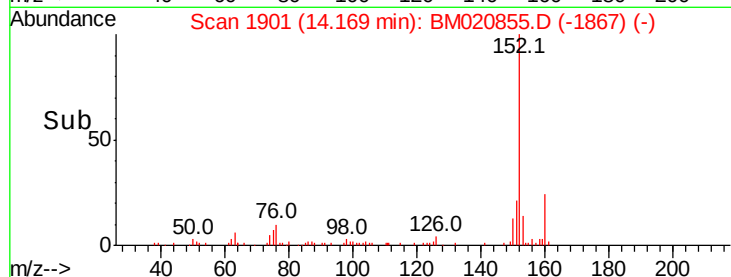
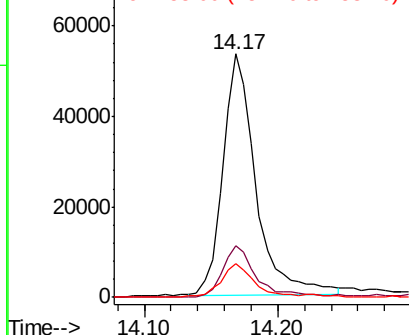
Manual Integrations
APPROVED

mohammad

6/12/2019 8:29:15 AM



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: 23.278 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

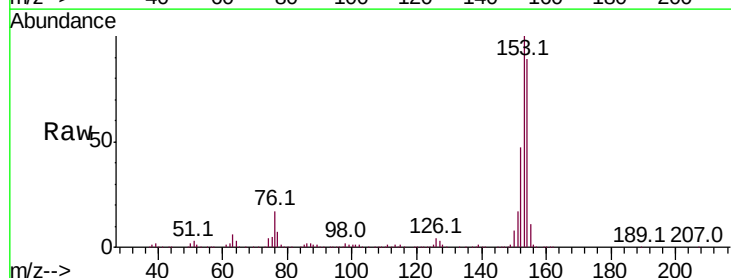
Tgt Ion:153 Resp: 1224856

Ion Ratio Lower Upper

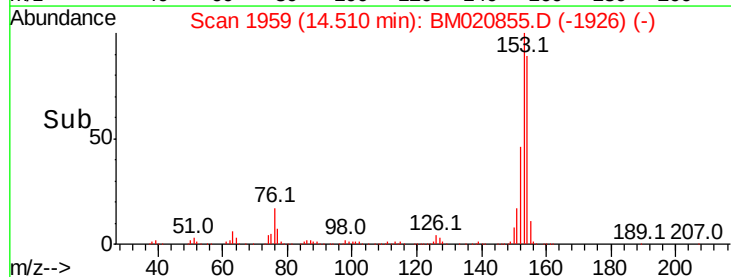
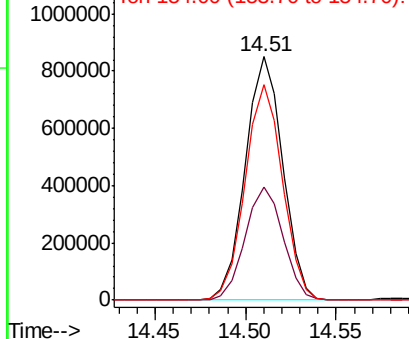
153 100

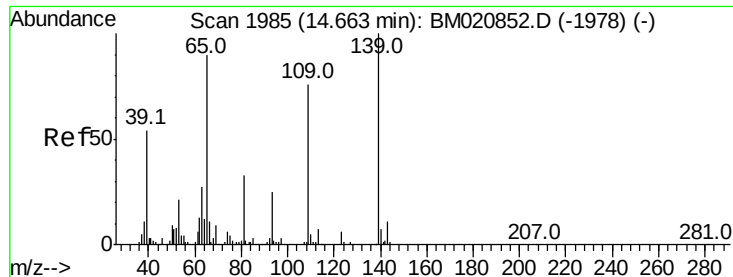
152 46.5 37.3 55.9

154 88.7 68.7 103.1



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





#52

4-Nitrophenol

Concen: 20.038 ng/ul

RT: 14.66 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

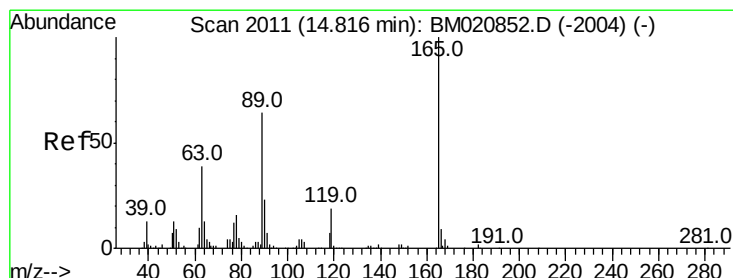
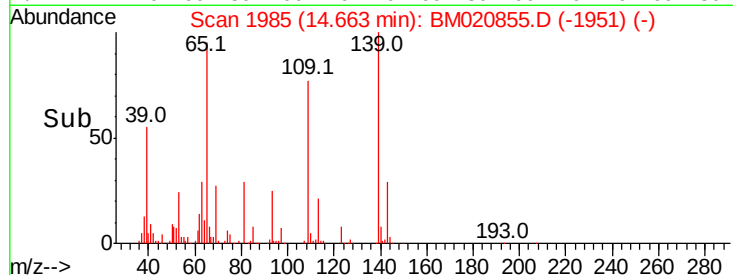
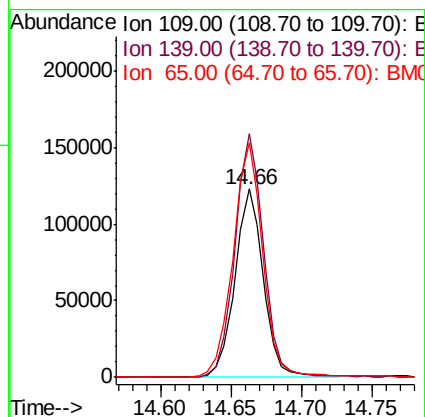
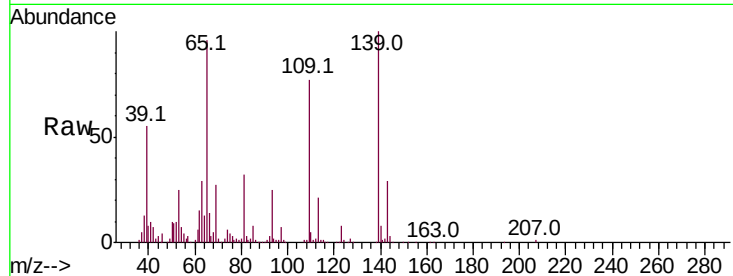
ClientSampleId :

A51F0MS

Tot Ion:	109	Resp:	173211
Ion Ratio	Lower	Upper	
109	100		
139	129.1	105.9	158.9
65	124.2	106.2	159.4

Manual Integrations
APPROVED

mohammad
6/12/2019 8:29:15 AM



#54

2,4-Dinitrotoluene

Concen: 23.525 ng/ul

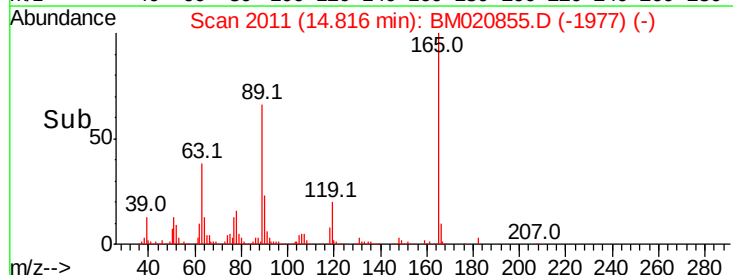
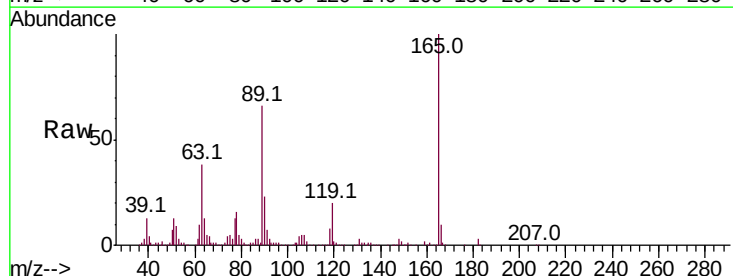
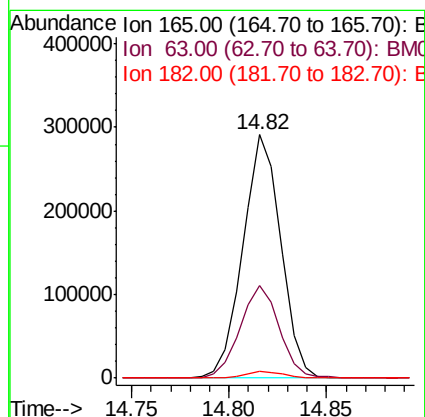
RT: 14.82 min Scan# 2011

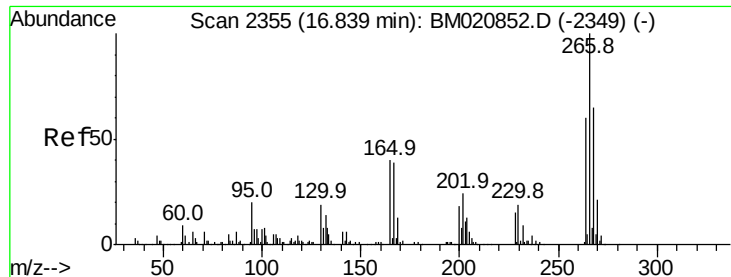
Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Tgt Ion:	165	Resp:	392484
Ion Ratio	Lower	Upper	
165	100		
63	38.0	31.7	47.5
182	2.9	2.2	3.4





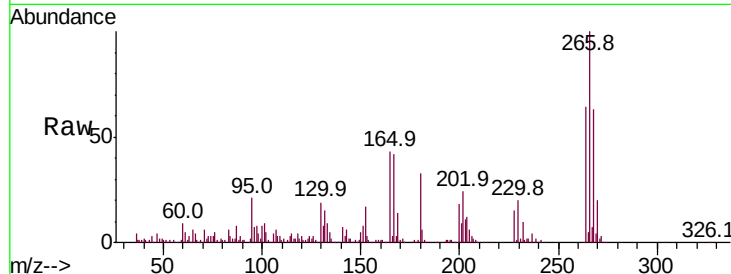
#68
 Pentachlorophenol
 Concen: 22.335 ng/ul
 RT: 16.84 min Scan# 2355
 Delta R.T. 0.00 min
 Lab File: BM020855.D
 Acq: 11 Jun 2019 03:13

Instrument :
 BNA_M
 ClientSampleId :
 A51F0MS

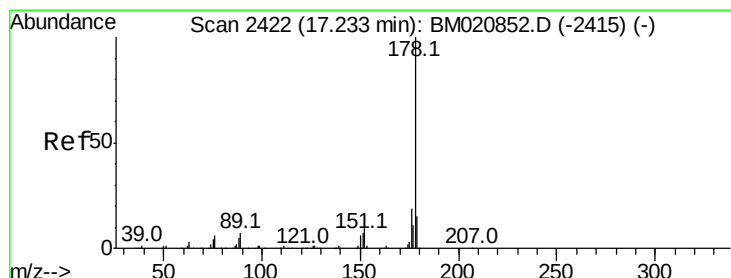
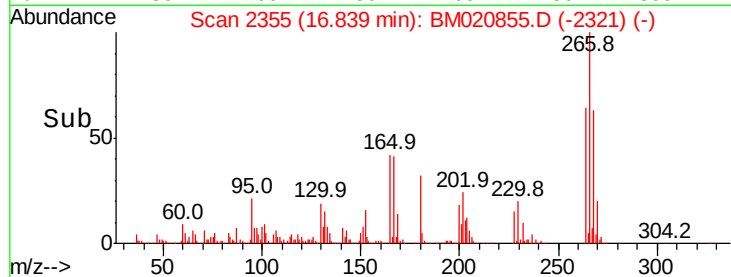
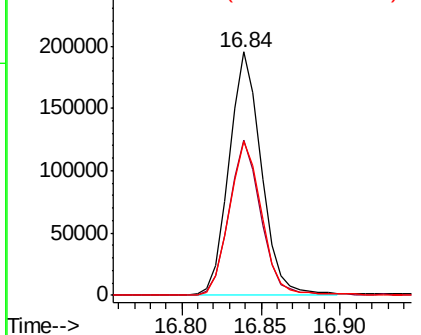
Tot Ion	Ratio	Lower	Upper
266	100		
264	63.7	50.3	75.5
268	63.0	51.2	76.8

Manual Integrations
 APPROVED

mohammad
 6/12/2019 8:29:15 AM



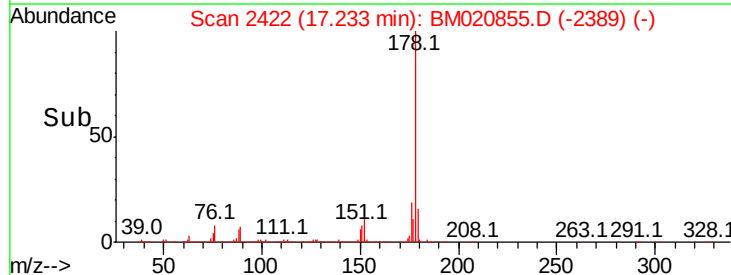
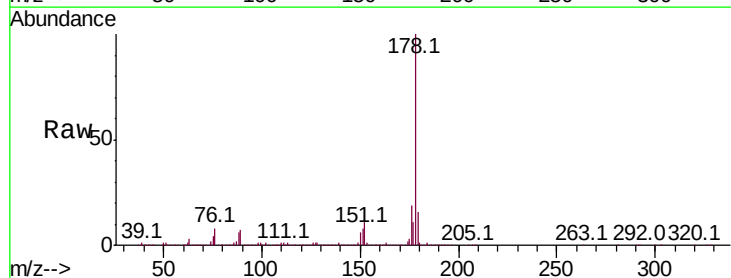
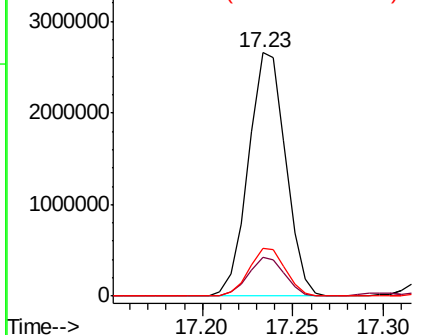
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

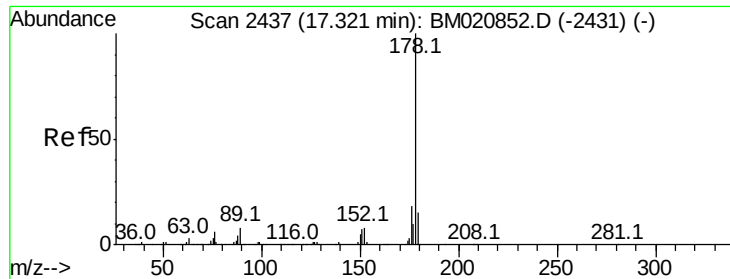


#69
 Phenanthrene
 Concen: 42.422 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BM020855.D
 Acq: 11 Jun 2019 03:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.4	14.8	22.2

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





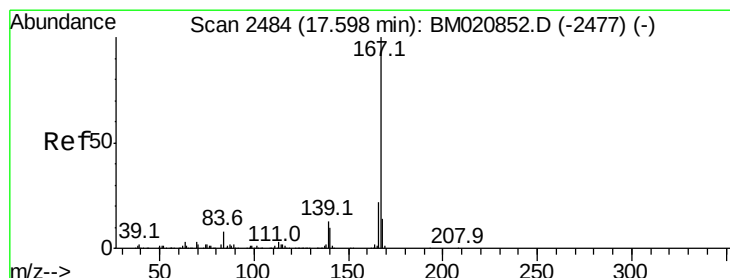
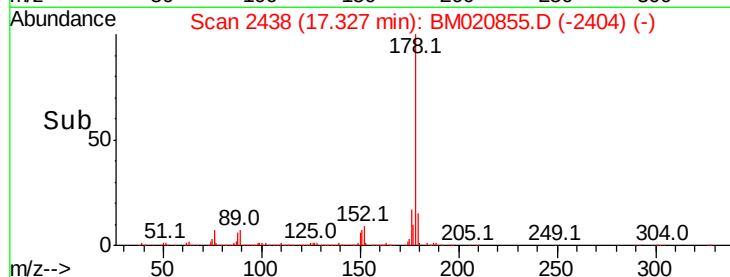
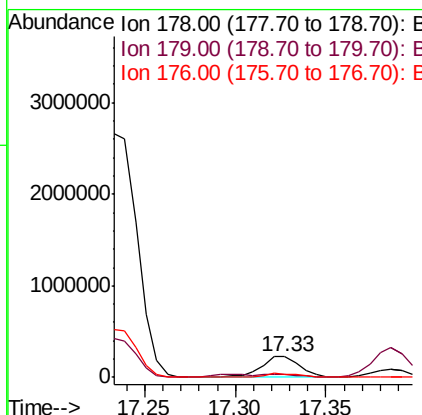
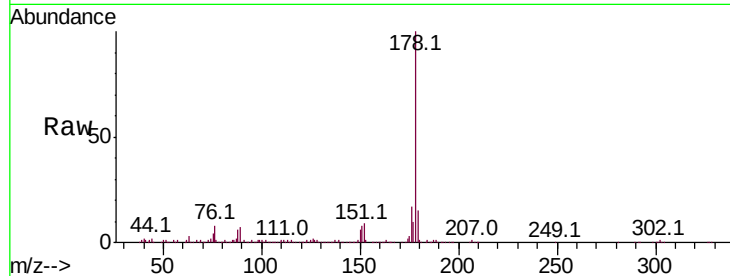
#71
 Anthracene
 Concen: 3.693 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020855.D
 Acq: 11 Jun 2019 03:13

Instrument :
 BNA_M
 ClientSampleId :
 A51F0MS

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	17.2	14.9	22.3

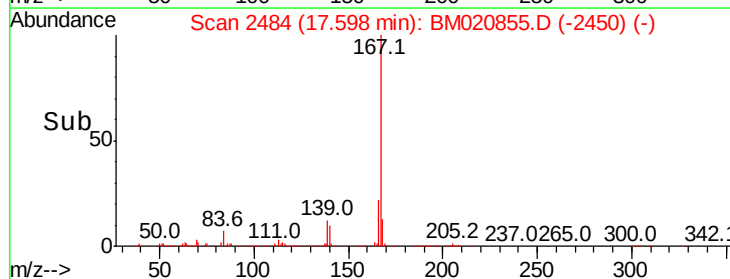
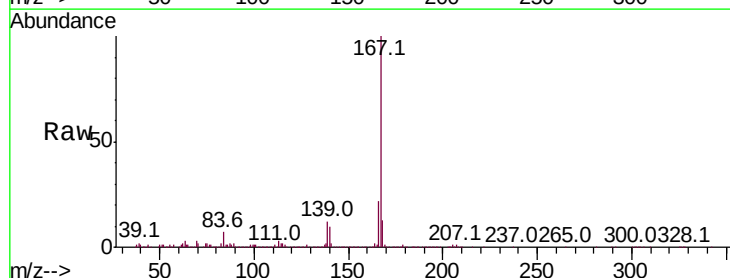
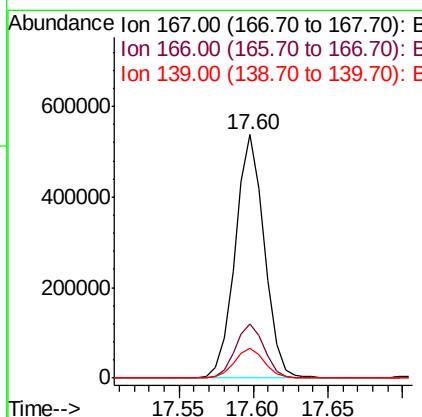
Manual Integrations
 APPROVED

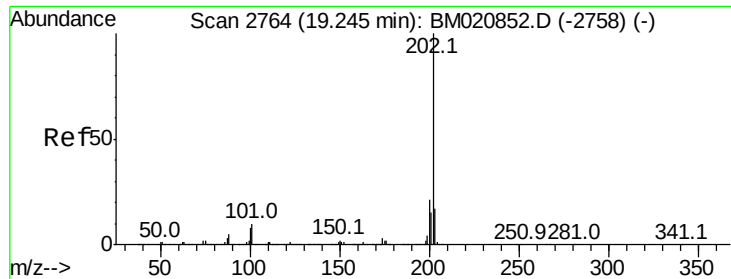
mohammad
 6/12/2019 8:29:15 AM



#74
 Carbazole
 Concen: 9.126 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020855.D
 Acq: 11 Jun 2019 03:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	12.4	10.5	15.7





#76

Fluoranthene

Concen: 127.997 ng/ul

RT: 19.25 min Scan# 2765

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

ClientSampleId :

A51F0MS

Tot Ion:202 Resp:13108065

Ion Ratio Lower Upper

202 100

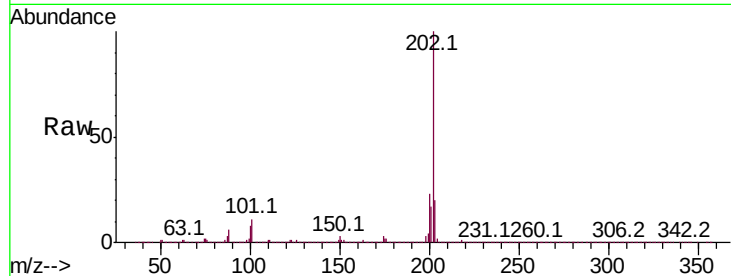
101 10.6 7.9 11.9

100 8.2 6.2 9.4

Manual Integrations
APPROVED

mohammad

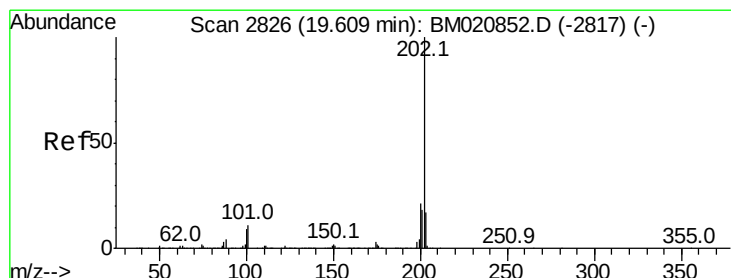
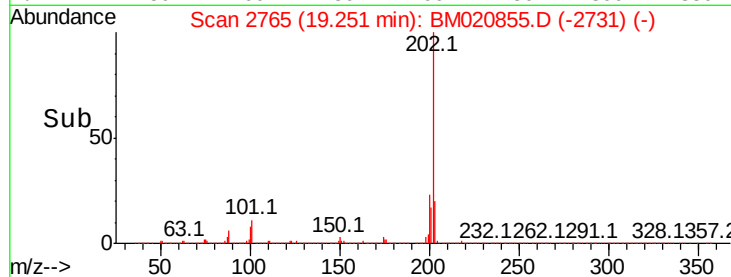
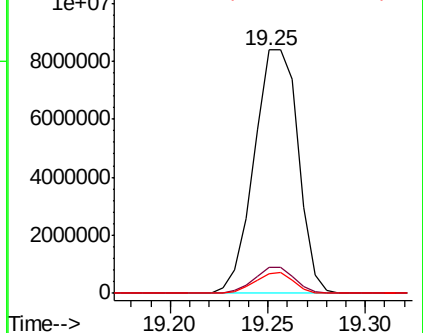
6/12/2019 8:29:15 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 122.559 ng/ul

RT: 19.62 min Scan# 2828

Delta R.T. 0.01 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Tgt Ion:202 Resp:12701208

Ion Ratio Lower Upper

202 100

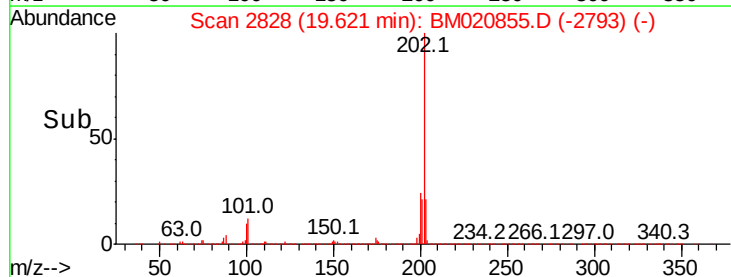
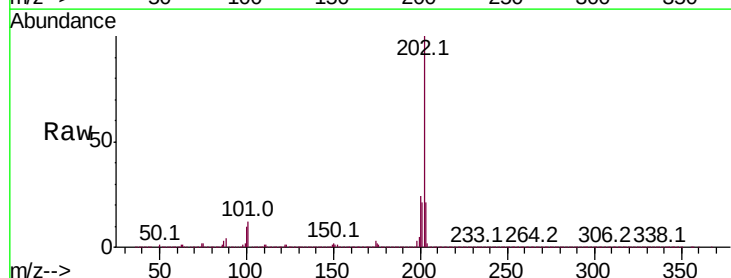
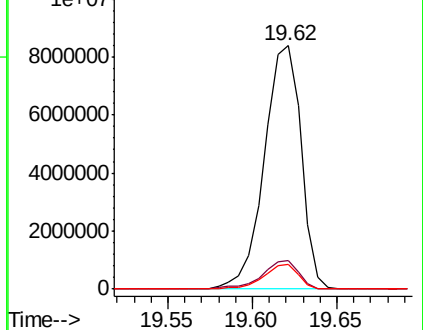
101 11.9 9.8 14.6

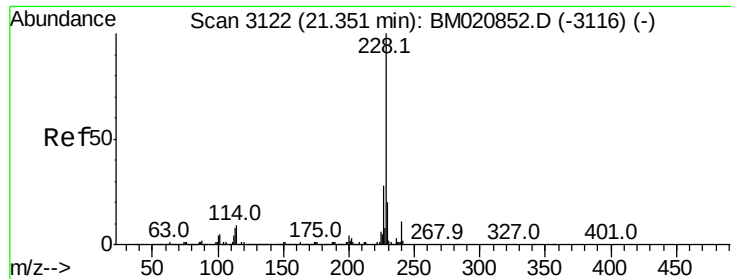
100 10.0 8.0 12.0

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: 42.702 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

ClientSampleId :

A51F0MS

Tot Ion:228 Resp: 4472163

Ion Ratio Lower Upper

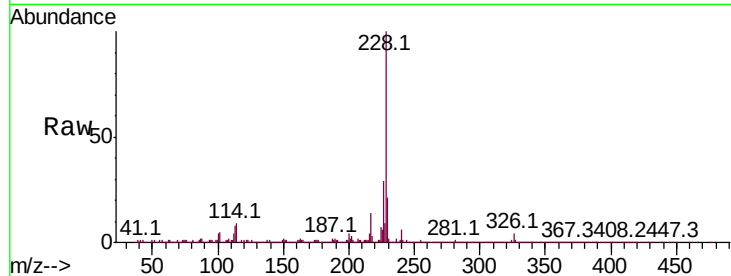
228 100

229 20.8 15.6 23.4

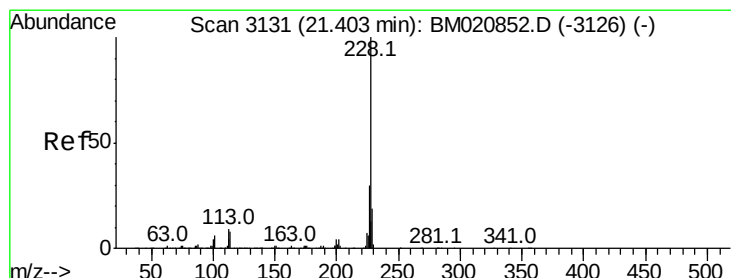
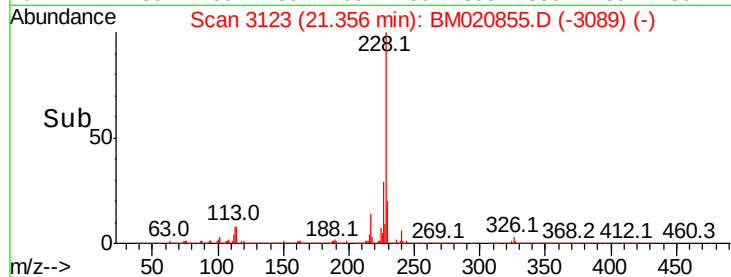
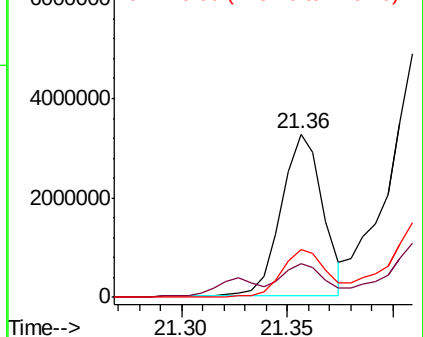
226 29.2 21.4 32.2

Manual Integrations
APPROVED

mohammad
6/12/2019 8:29:15 AM



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: 75.196 ng/ul

RT: 21.41 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Tgt Ion:228 Resp: 7307506

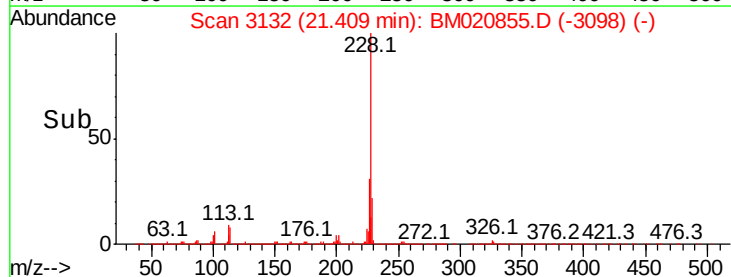
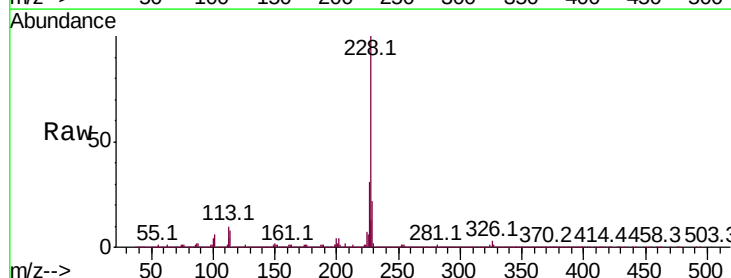
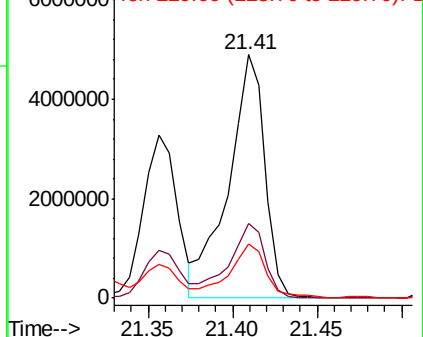
Ion Ratio Lower Upper

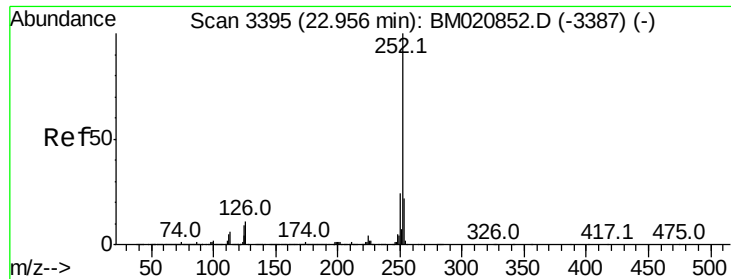
228 100

226 30.9 24.4 36.6

229 22.1 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: 100.695 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

ClientSampleId :

A51F0MS

Tot Ion:252 Resp:11606698

Ion Ratio Lower Upper

252 100

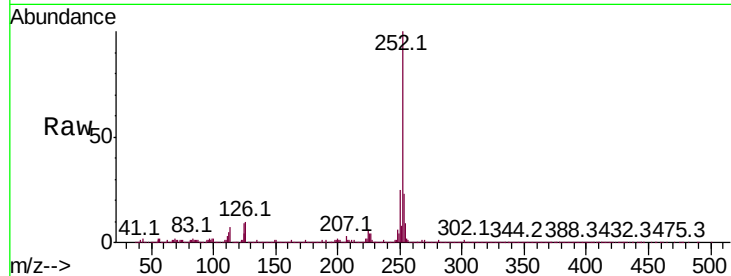
253 23.2 17.6 26.4

125 8.9 7.3 10.9

Manual Integrations
APPROVED

mohammad

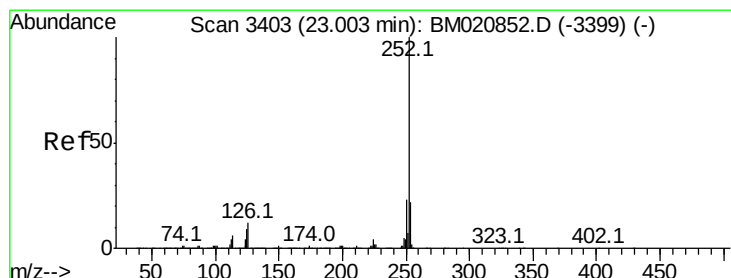
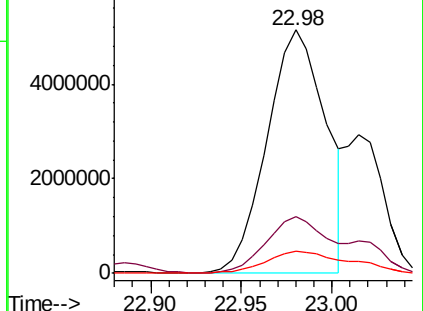
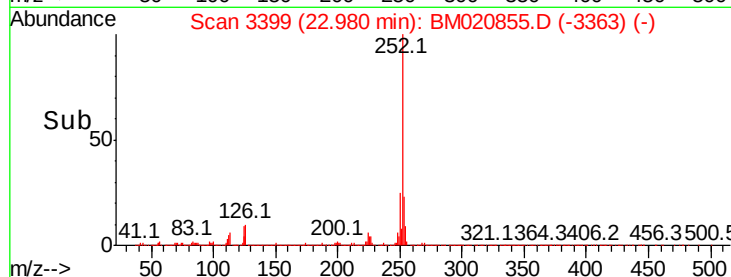
6/12/2019 8:29:15 AM



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: 38.416 ng/ul m

RT: 23.02 min Scan# 3405

Delta R.T. 0.00 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

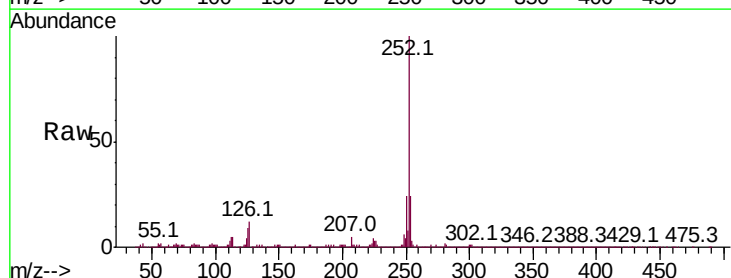
Tgt Ion:252 Resp: 4232510

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

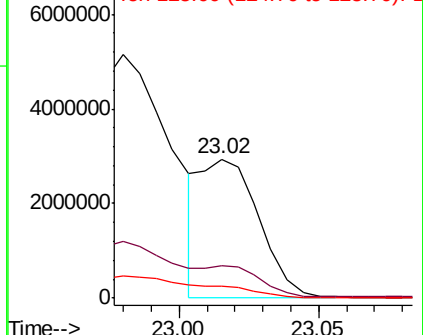
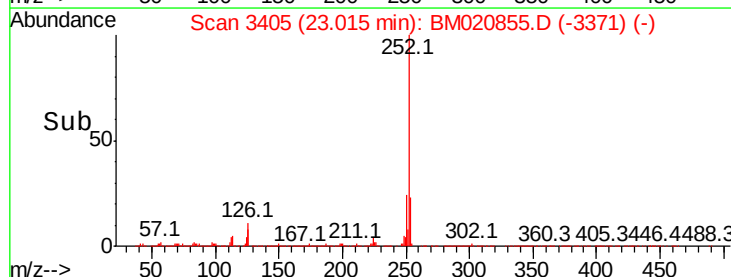
125 8.8 7.3 10.9

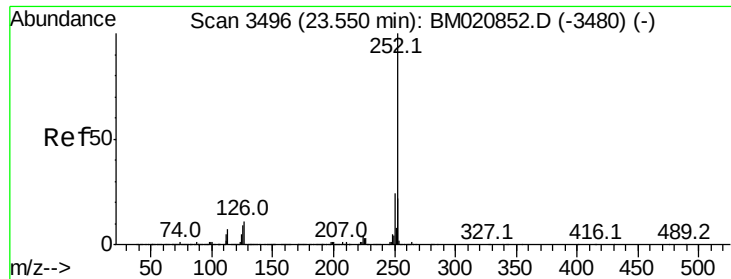


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 59.562 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Instrument :

BNA_M

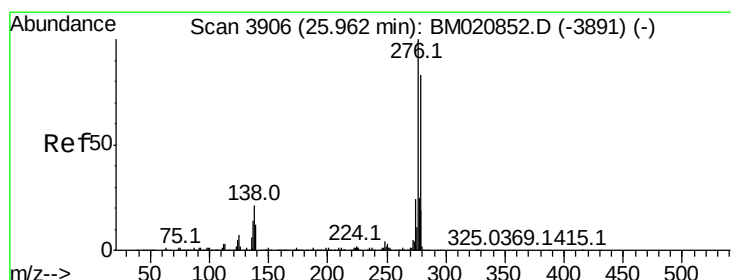
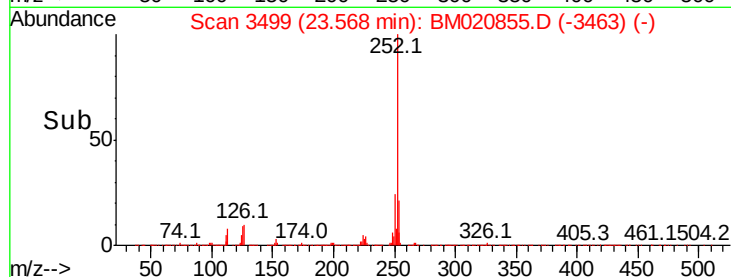
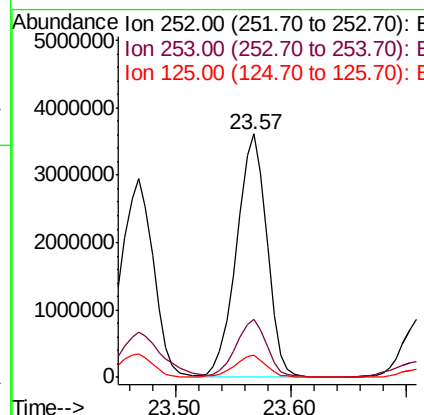
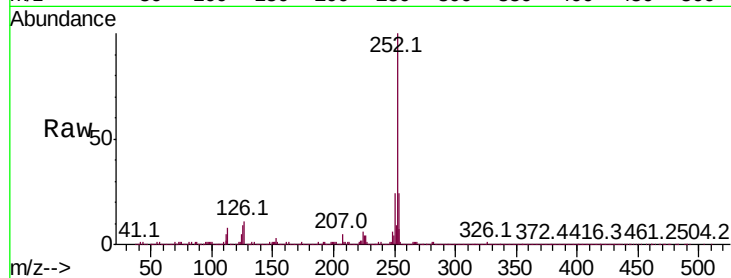
ClientSampleId :

A51F0MS

Tot Ion:	252	Resp:	6531637
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	9.0	8.2	12.4

Manual Integrations
APPROVED

mohammad
6/12/2019 8:29:15 AM



#91

Indeno(1,2,3-cd)pyrene

Concen: 50.310 ng/ul

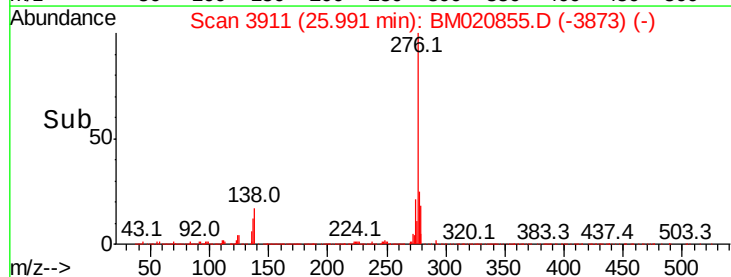
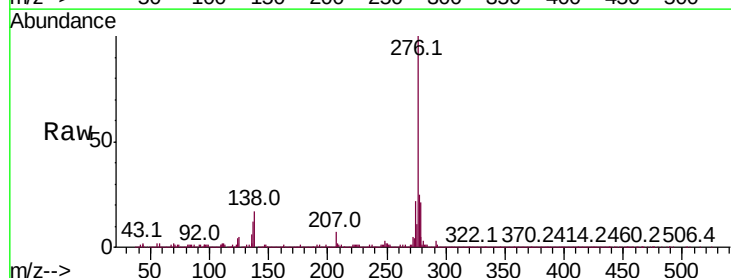
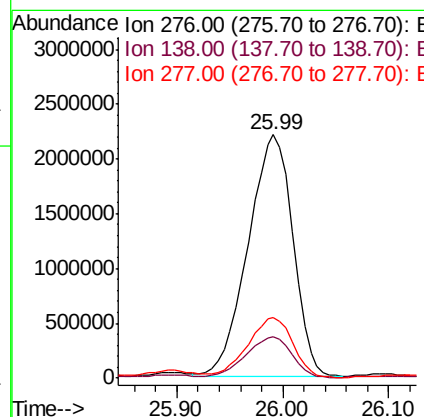
RT: 25.99 min Scan# 3911

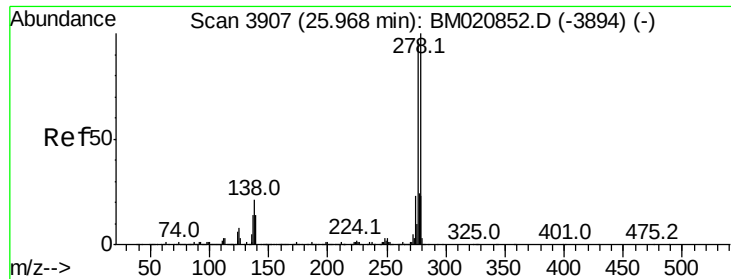
Delta R.T. 0.02 min

Lab File: BM020855.D

Acq: 11 Jun 2019 03:13

Tgt Ion:	276	Resp:	6516190
Ion	Ratio	Lower	Upper
276	100		
138	16.9	17.8	26.8#
277	24.8	20.0	30.0





#92

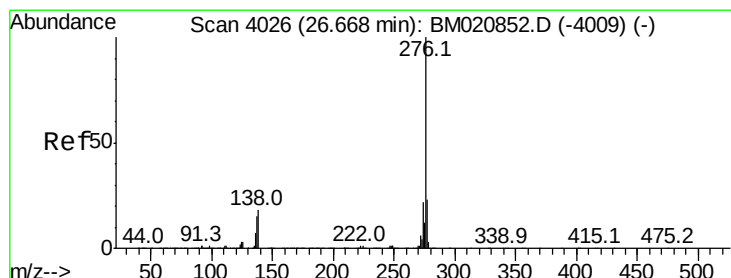
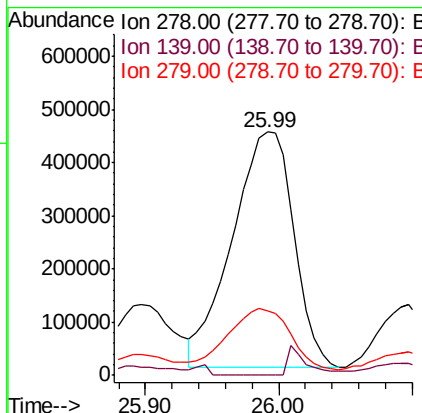
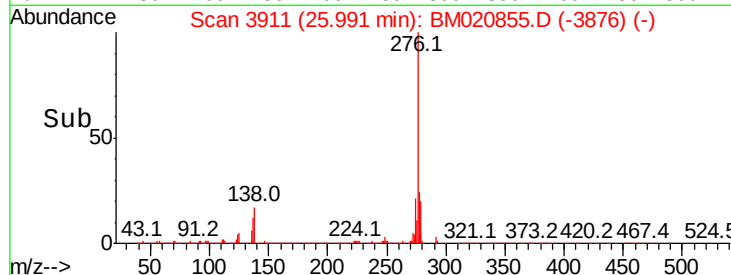
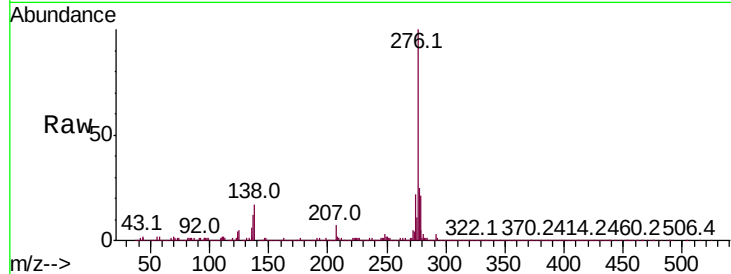
Dibenzo(a,h)anthracene
Concen: 12.917 ng/ul
RT: 25.99 min Scan# 3911
Delta R.T. 0.01 min
Lab File: BM020855.D
Acq: 11 Jun 2019 03:13

Instrument :
BNA_M
ClientSampleId :
A51F0MS

Tot Ion:278 Resp: 1417574
Ion Ratio Lower Upper
278 100
139 0.0 11.6 17.4#
279 26.7 18.6 28.0

Manual Integrations
APPROVED

mohammad
6/12/2019 8:29:15 AM



#93

Benzo(g,h,i)perylene
Concen: 57.762 ng/ul
RT: 26.71 min Scan# 4033
Delta R.T. 0.02 min
Lab File: BM020855.D
Acq: 11 Jun 2019 03:13

Tgt Ion:276 Resp: 6069574
Ion Ratio Lower Upper
276 100
138 17.3 16.6 25.0
277 24.3 19.6 29.4

