

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023202.D
 Acq On : 16 Oct 2019 22:09
 Operator : JU
 Sample : K5262-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB70

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:27:27 AM

Quant Time: Oct 17 05:52:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 04:31:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	411124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1644465	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	965344	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1882253	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1803512	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2211722	20.00	ng/ul	0.01

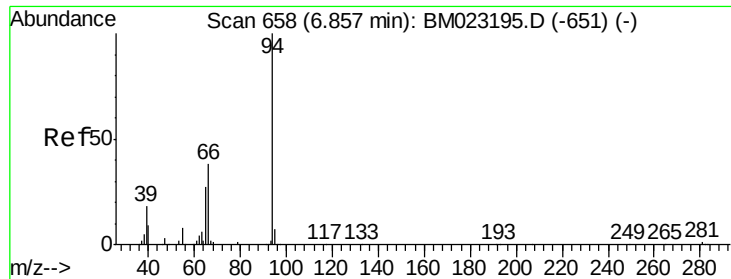
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	28144	3.01	ng/uL	0.00
5) Phenol-d5	6.83	99	554412	15.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	321302	15.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	455943	16.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	415399	14.44	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	204360	18.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	219593	20.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	454352	16.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	278196	8.49	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1311087	17.72	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1546218	17.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	155409	12.98	ng/ul	0.00
58) Fluorene-d10	15.30	176	1123664	17.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	99870	13.38	ng/ul	0.00
71) Anthracene-d10	17.15	188	1671552	18.42	ng/ul	0.00
79) Pyrene-d10	19.45	212	1763015	20.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2072745	18.49	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.86	94	94548	2.561	ng/ul 97
45) Dimethylphthalate	13.77	163	410258	5.541	ng/ul 100
48) Acenaphthylene	14.03	152	136946	1.544	ng/ul 96
50) Acenaphthene	14.37	153	64983	1.052	ng/ul 99
59) Fluorene	15.36	166	79266	1.102	ng/ul 99
70) Phenanthrene	17.10	178	1406664	13.316	ng/ul 99
72) Anthracene	17.19	178	365026	3.344	ng/ul 100
75) Carbazole	17.45	167	117679	1.207	ng/ul 98
77) Fluoranthene	19.12	202	2443761	19.452	ng/ul 99
80) Pyrene	19.48	202	2392905	21.179	ng/ul 100
81) Butylbenzylphthalate	20.40	149	60302	1.535	ng/ul 95
83) Benzo(a)anthracene	21.23	228	1365453	11.174	ng/ul 96
84) Bis(2-ethylhexyl)phthalate	21.20	149	307018	4.914	ng/ul# 99
85) Chrysene	21.28	228	1300889	11.465	ng/ul 98
88) Benzo(b)fluoranthene	22.80	252	1884094	14.050	ng/ul# 97
89) Benzo(k)fluoranthene	22.84	252	491543m	3.817	ng/ul
91) Benzo(a)pyrene	23.36	252	1376315	10.698	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.68	276	1031066	6.737	ng/ul 97
93) Dibenzo(a,h)anthracene	25.69	278	279445	2.184	ng/ul# 89
94) Benzo(g,h,i)perylene	26.36	276	1031959	8.189	ng/ul 99

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



#6

Phenol

Concen: 2.561 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. -0.00 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Instrument :

BNA_M

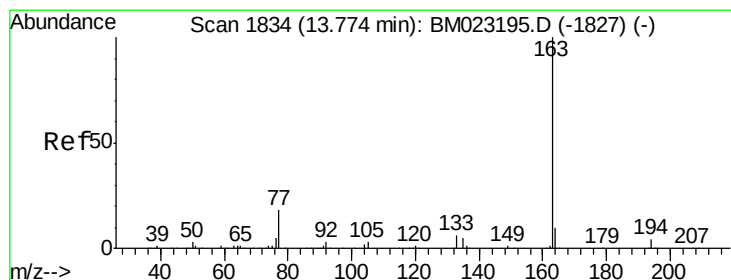
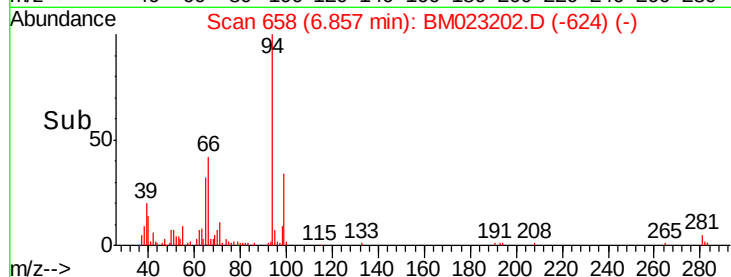
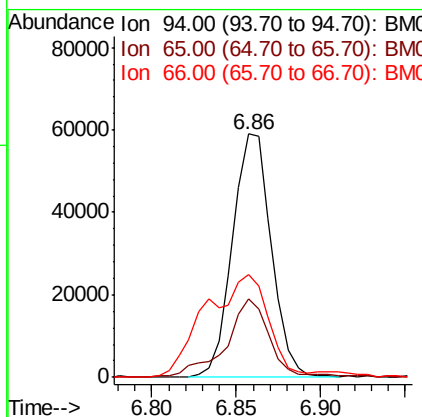
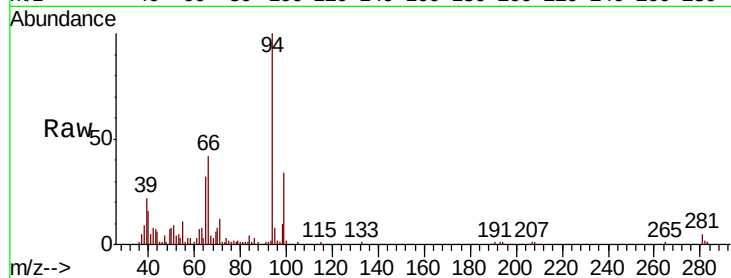
ClientSampleId :

BFB70

Tot Ion:	94	Resp:	94548
Ion	Ratio	Lower	Upper
94	100		
65	32.3	23.7	35.5
66	42.2	32.9	49.3

Manual Integrations
APPROVED

mohammad
10/18/2019 8:27:27 AM



#45

Dimethylphthalate

Concen: 5.541 ng/ul

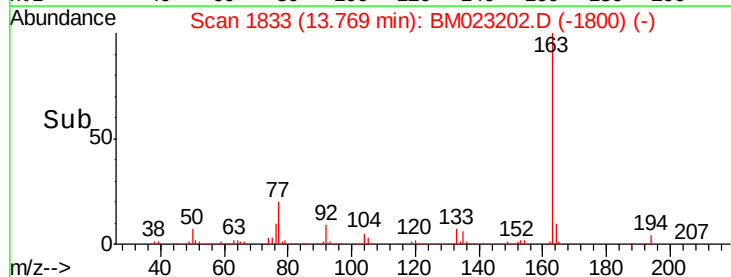
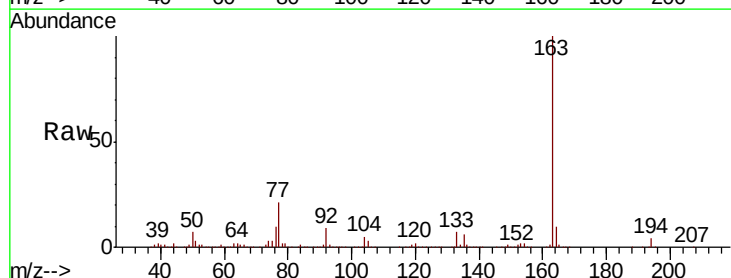
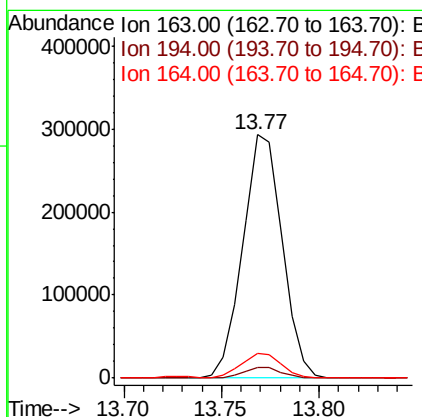
RT: 13.77 min Scan# 1833

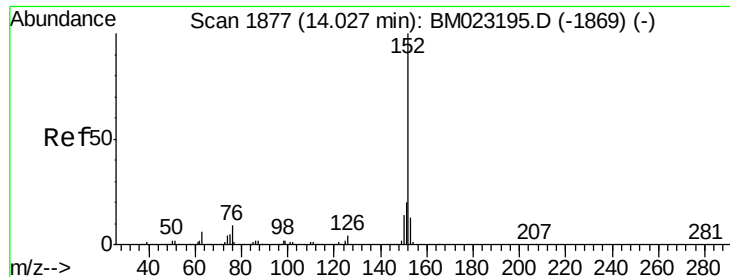
Delta R.T. -0.01 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Tgt Ion:	163	Resp:	410258
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.0	8.0	12.0





#48

Acenaphthylene

Concen: 1.544 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Instrument :

BNA_M

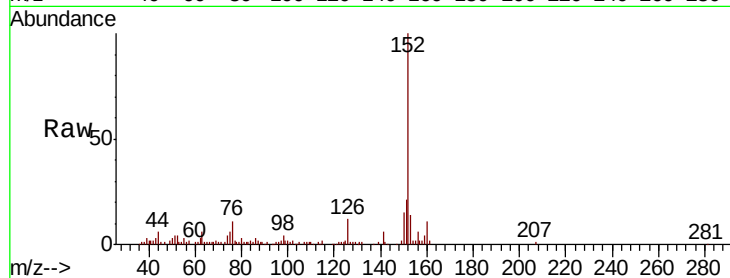
ClientSampleId :

BFB70

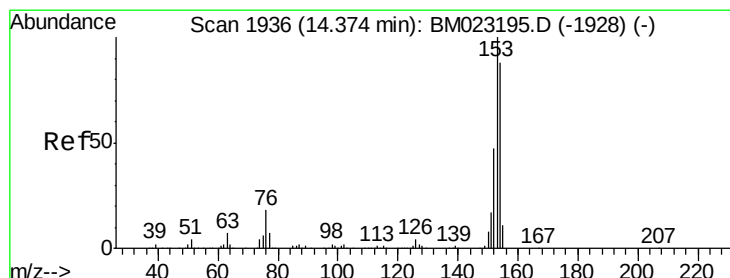
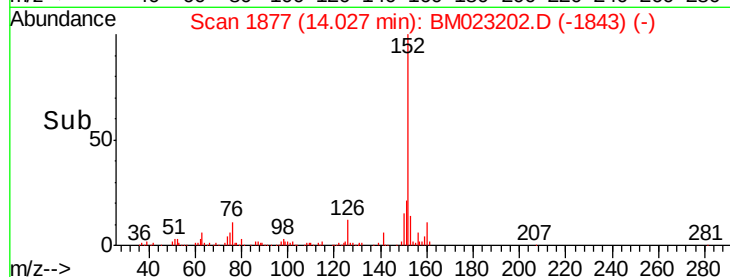
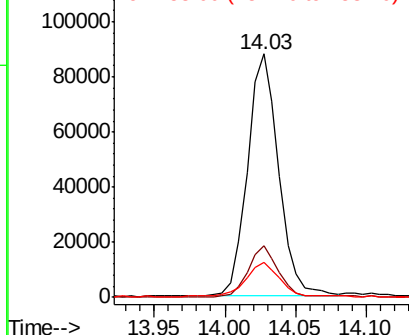
Tot Ion:	152	Resp:	136946
Ion Ratio	Lower	Upper	
152	100		
151	21.4	15.8	23.6
153	14.4	10.3	15.5

Manual Integrations
APPROVED

mohammad
10/18/2019 8:27:27 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



#50

Acenaphthene

Concen: 1.052 ng/ul

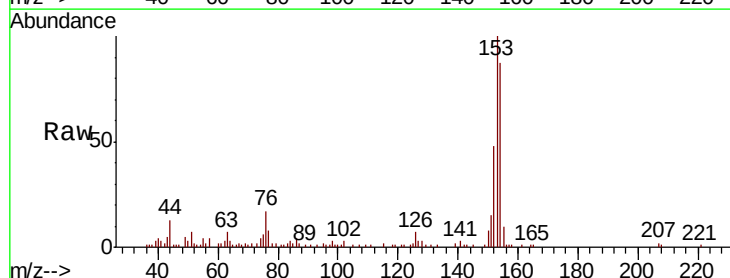
RT: 14.37 min Scan# 1936

Delta R.T. -0.00 min

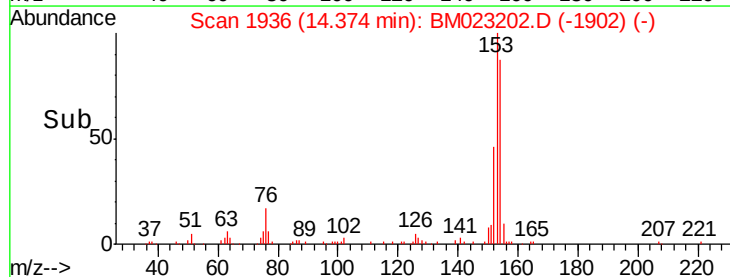
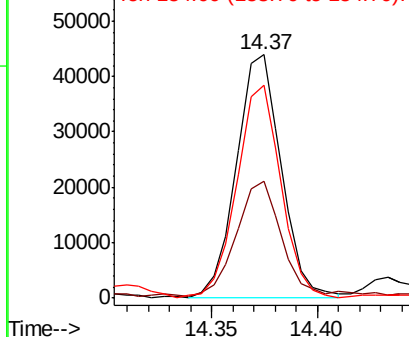
Lab File: BM023202.D

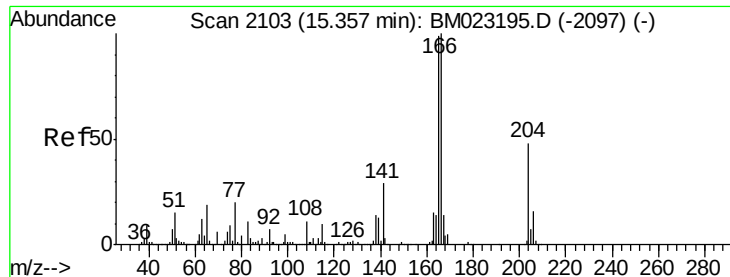
Acq: 16 Oct 2019 22:09

Tgt Ion:	153	Resp:	64983
Ion Ratio	Lower	Upper	
153	100		
152	47.8	38.0	57.0
154	87.5	70.4	105.6



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





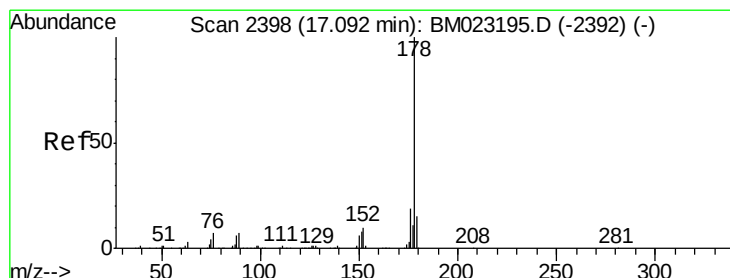
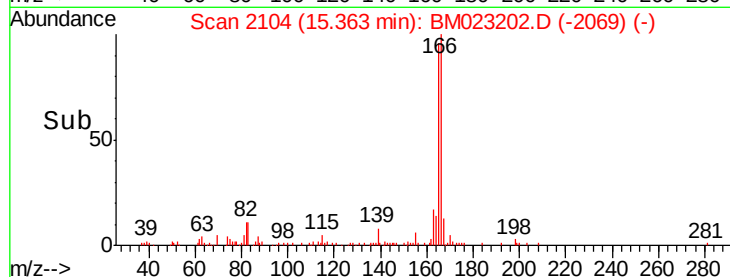
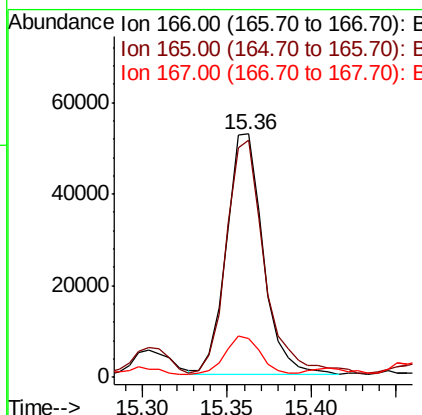
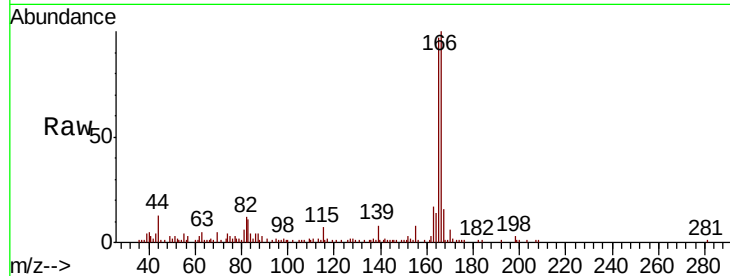
#59
Fluorene
Concen: 1.102 ng/ul
RT: 15.36 min Scan# 2104
Delta R.T. 0.01 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Instrument :
BNA_M
ClientSampleId :
BFB70

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.4	116.0
167	15.8	10.8	16.2

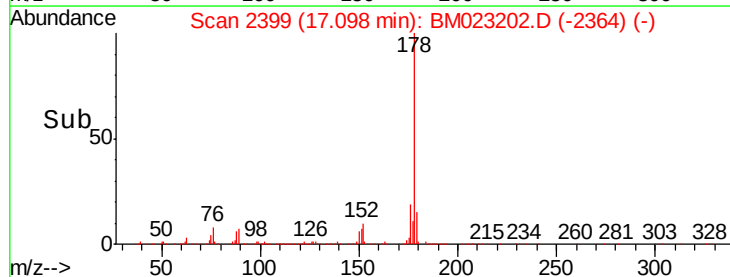
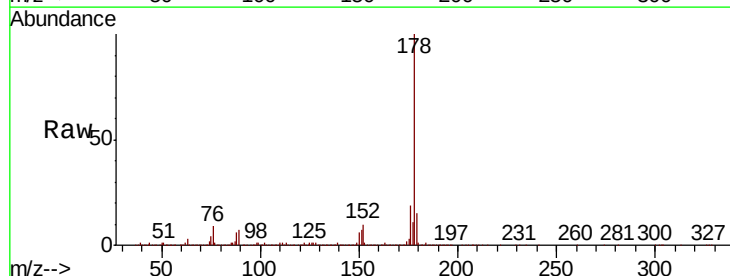
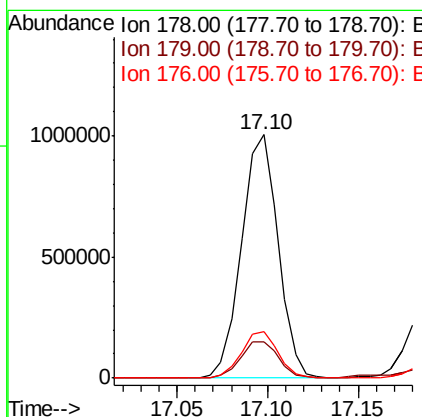
Manual Integrations
APPROVED

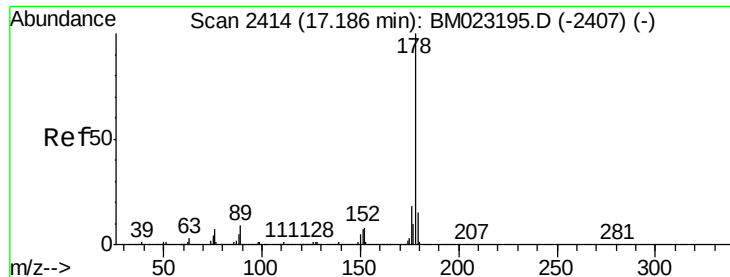
mohammad
10/18/2019 8:27:27 AM



#70
Phenanthrene
Concen: 13.316 ng/ul
RT: 17.10 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	19.0	15.5	23.3





#72

Anthracene

Concen: 3.344 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Instrument :

BNA_M

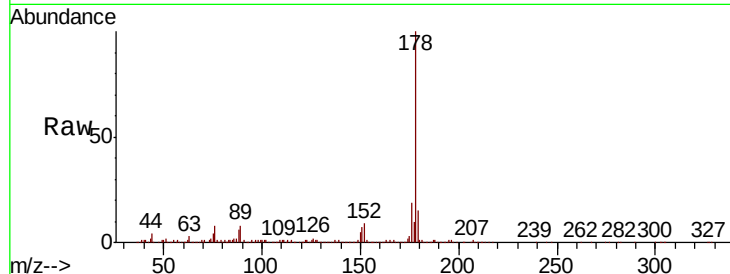
ClientSampleId :

BFB70

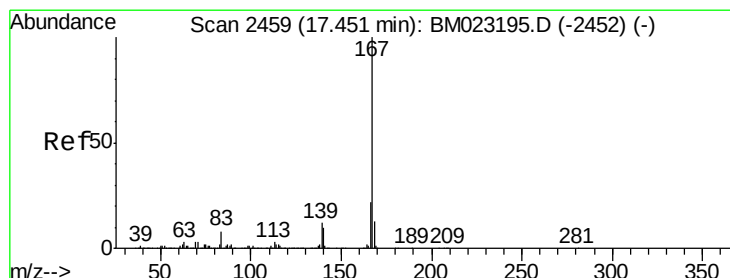
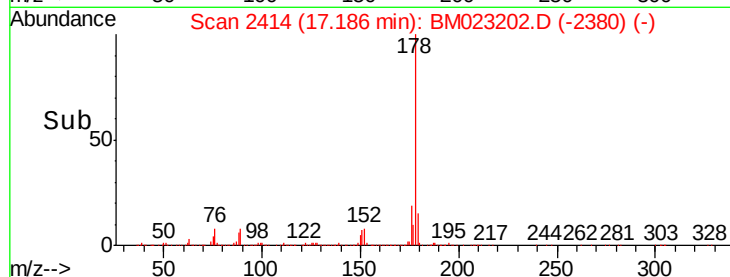
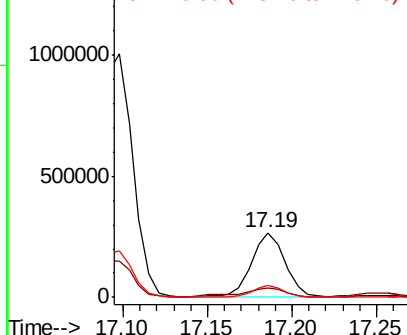
Tot Ion:	178	Resp:	365026
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.3	18.5
176	18.6	15.0	22.4

Manual Integrations
APPROVED

mohammad
10/18/2019 8:27:27 AM



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



#75

Carbazole

Concen: 1.207 ng/ul

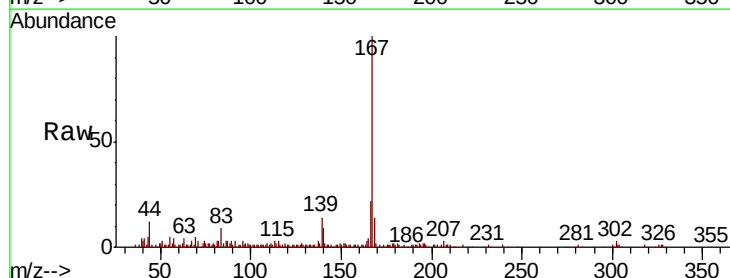
RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

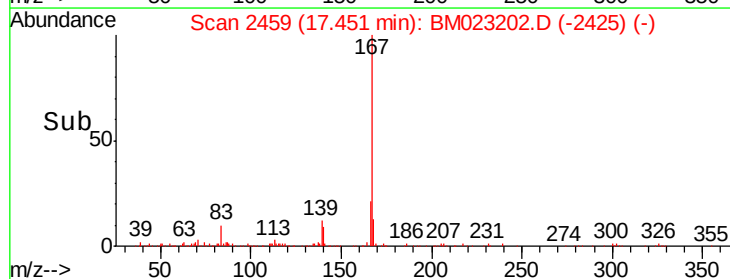
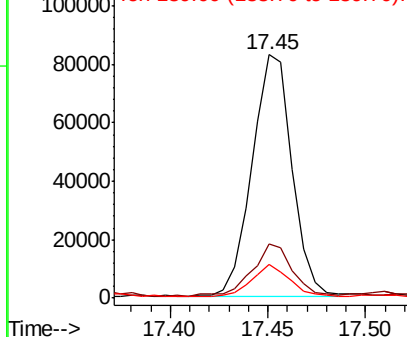
Lab File: BM023202.D

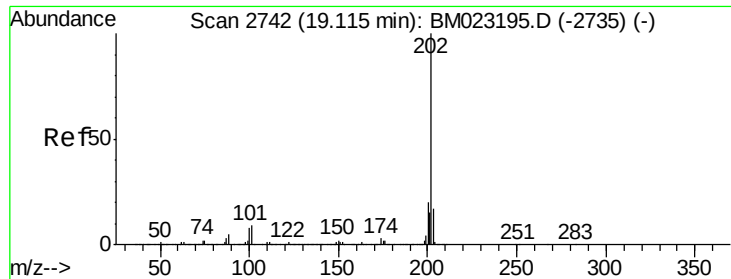
Acq: 16 Oct 2019 22:09

Tgt Ion:	167	Resp:	117679
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.4	26.0
139	13.7	10.2	15.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 19.452 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Instrument :

BNA_M

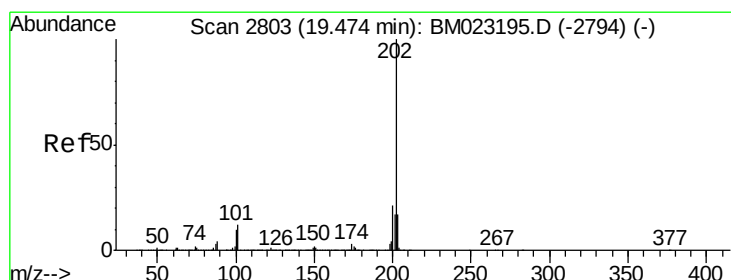
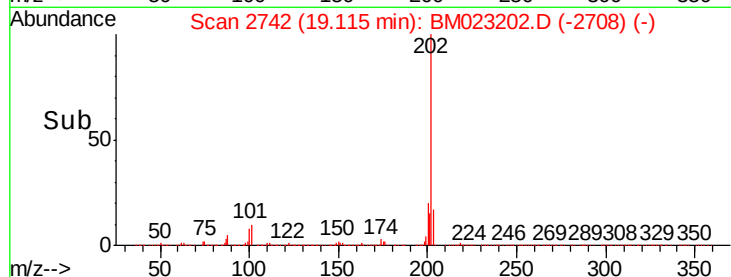
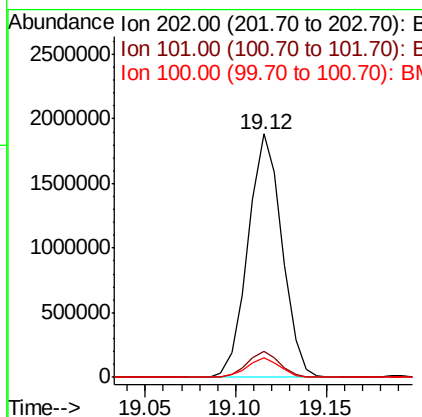
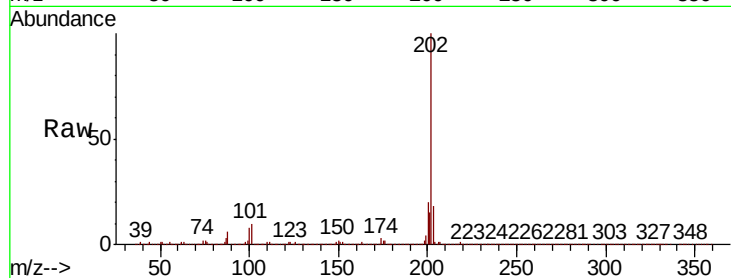
ClientSampleId :

BFB70

Tot Ion:	202	Resp:	2443761
Ion	Ratio	Lower	Upper
202	100		
101	10.5	7.8	11.8
100	7.9	6.1	9.1

Manual Integrations
APPROVED

mohammad
10/18/2019 8:27:27 AM



#80

Pyrene

Concen: 21.179 ng/ul

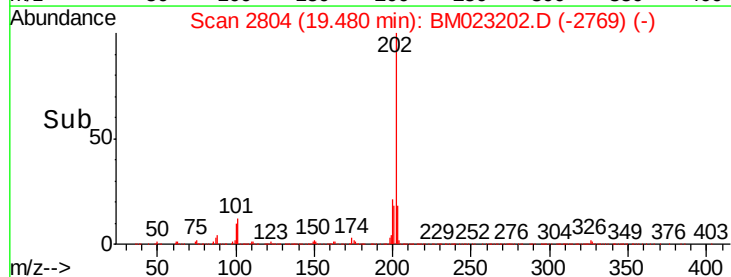
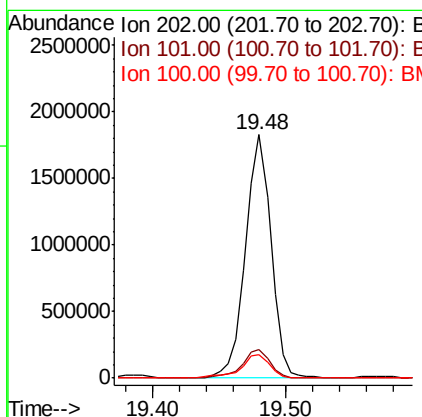
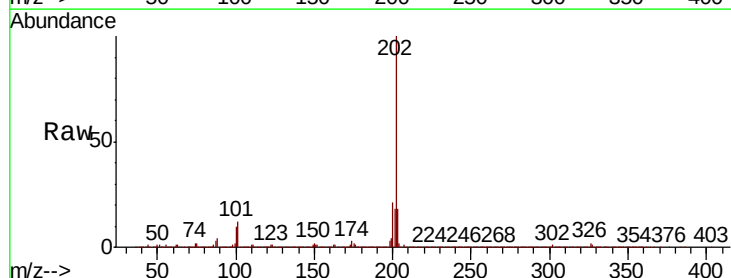
RT: 19.48 min Scan# 2804

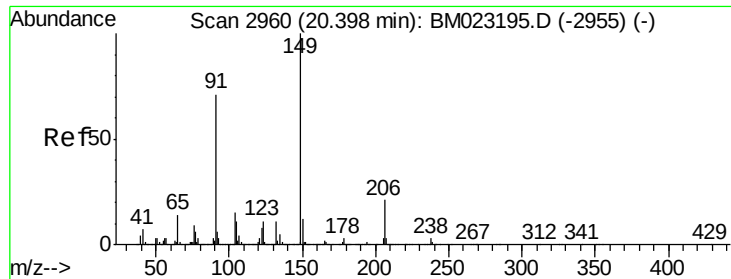
Delta R.T. 0.01 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Tgt Ion:	202	Resp:	2392905
Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.1	13.7
100	9.6	7.5	11.3





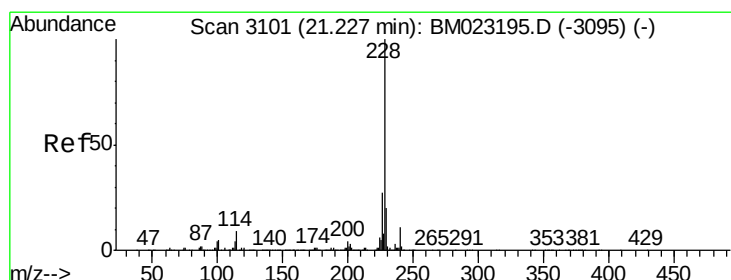
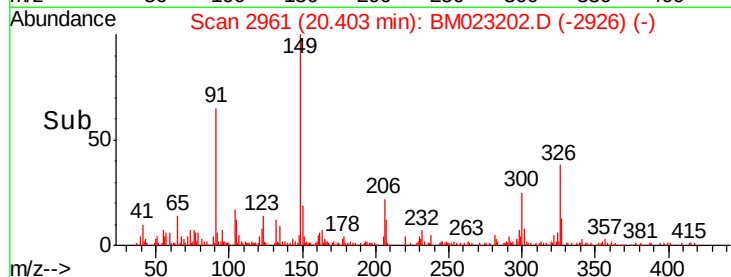
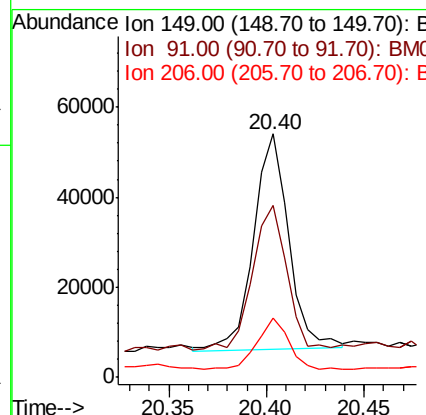
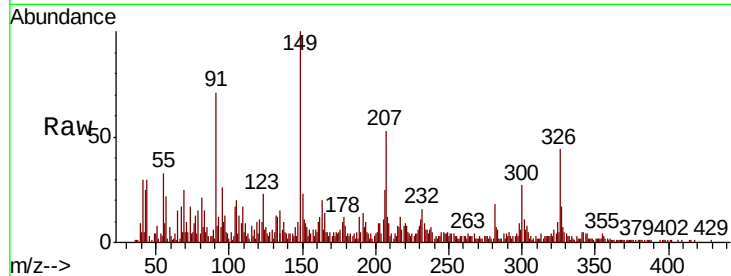
#81
Butylbenzylphthalate
Concen: 1.535 ng/ul
RT: 20.40 min Scan# 2961
Delta R.T. 0.01 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Instrument :
BNA_M
ClientSampled :
BFB70

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.7	59.9	89.9
206	24.6	17.1	25.7

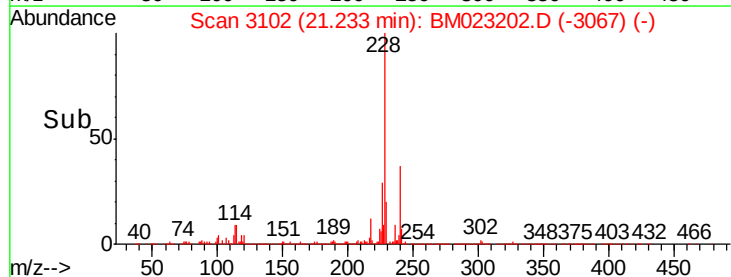
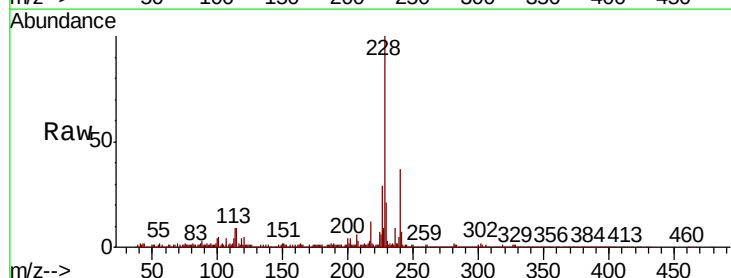
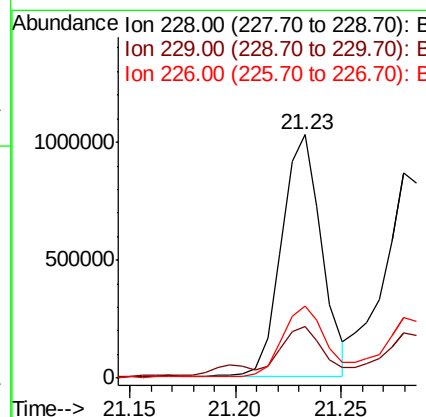
Manual Integrations
APPROVED

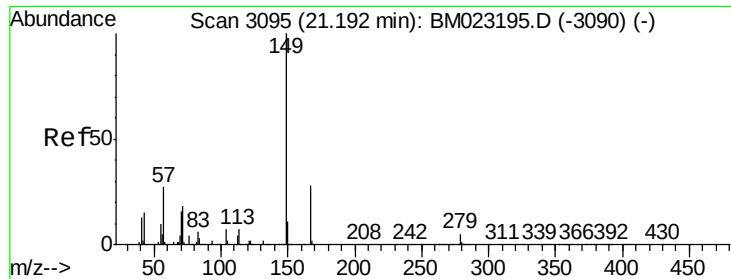
mohammad
10/18/2019 8:27:27 AM



#83
Benzo(a)anthracene
Concen: 11.174 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.7	23.5
226	29.4	21.6	32.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.914 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Instrument :

BNA_M

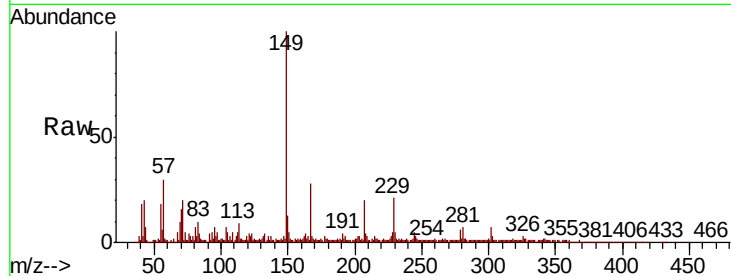
ClientSampled :

BFB70

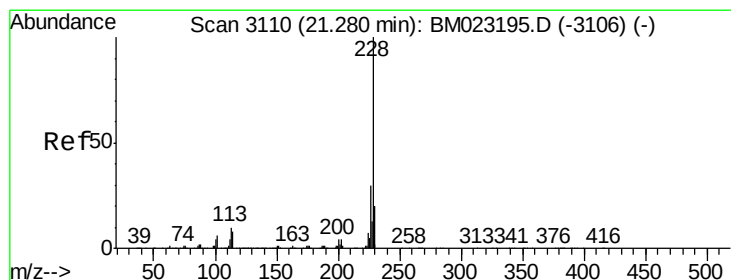
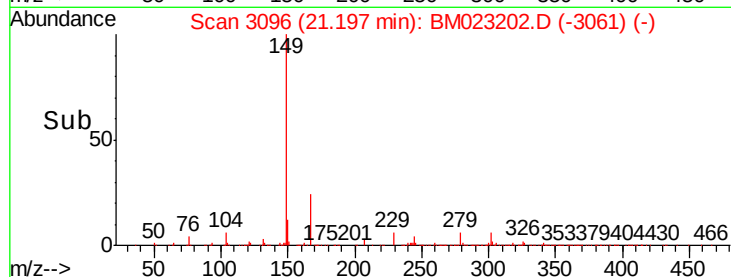
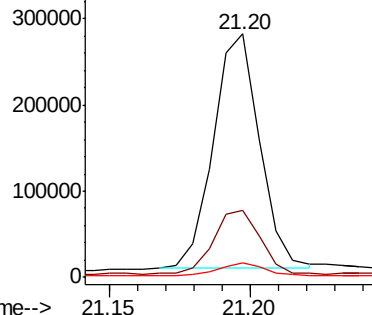
Tot Ion:	149	Resp:	307018
Ion Ratio	Lower	Upper	
149	100		
167	27.7	22.5	33.7
279	6.2	4.0	6.0#

Manual Integrations
APPROVED

mohammad
10/18/2019 8:27:27 AM



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



#85

Chrysene

Concen: 11.465 ng/ul

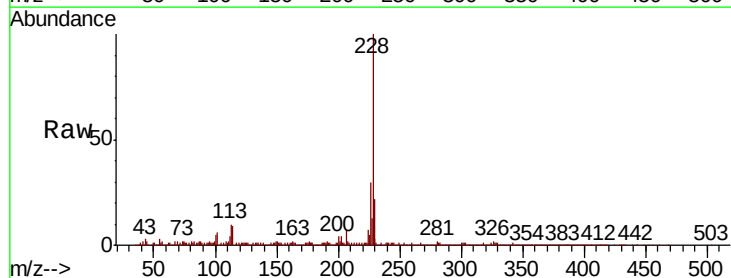
RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

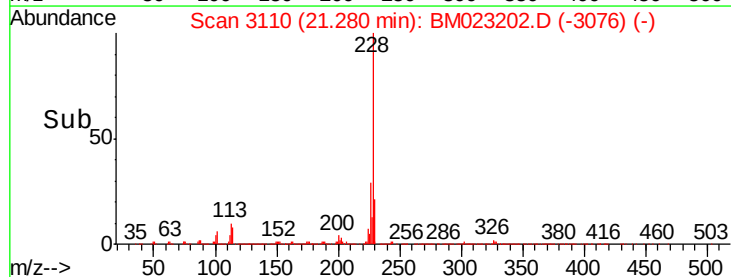
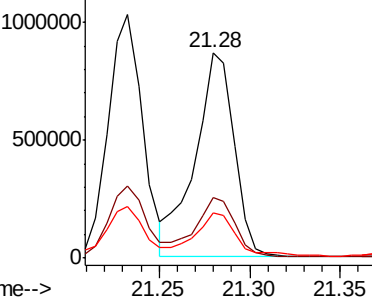
Lab File: BM023202.D

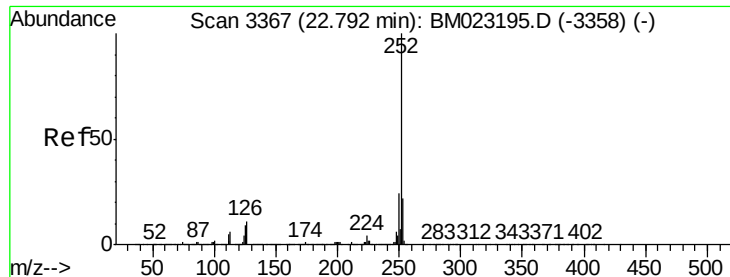
Acq: 16 Oct 2019 22:09

Tgt Ion:	228	Resp:	1300889
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.8	35.6
229	21.9	15.5	23.3



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





#88

Benzo(b)fluoranthene

Concen: 14.050 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

Instrument :

BNA_M

ClientSampleId :

BFB70

Tot Ion:252 Resp: 1884094

Ion Ratio Lower Upper

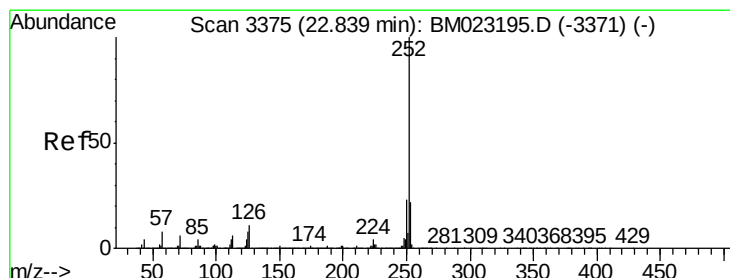
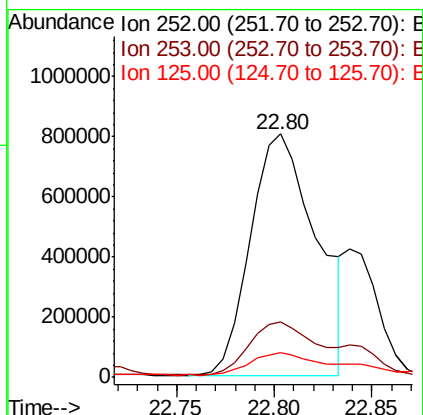
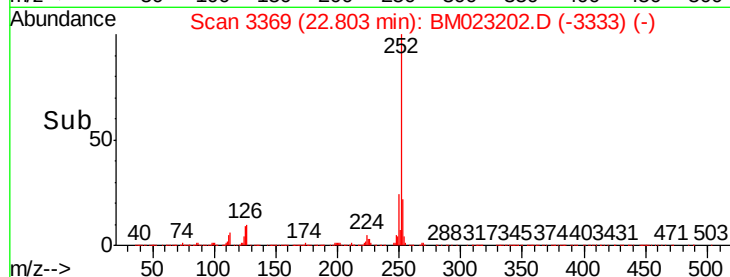
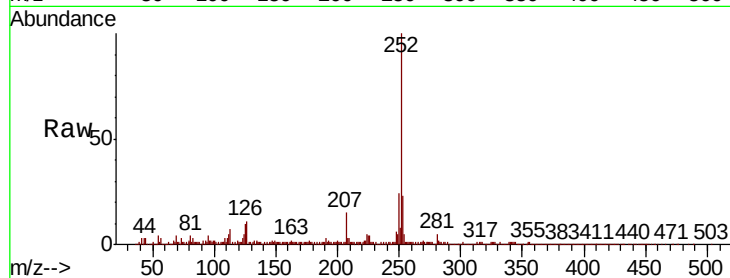
252 100

253 23.0 17.6 26.4

125 9.9 6.4 9.6#

Manual Integrations
APPROVED

mohammad
10/18/2019 8:27:27 AM



#89

Benzo(k)fluoranthene

Concen: 3.817 ng/ul m

RT: 22.84 min Scan# 3375

Delta R.T. -0.00 min

Lab File: BM023202.D

Acq: 16 Oct 2019 22:09

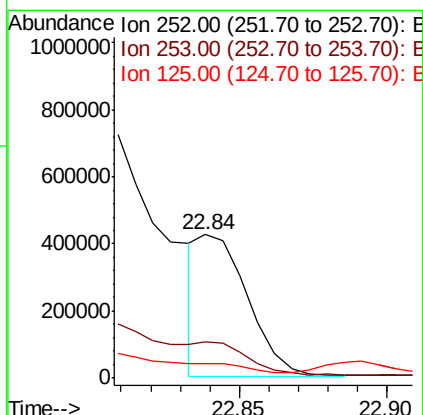
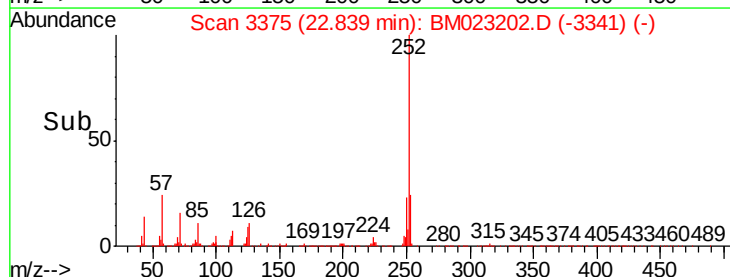
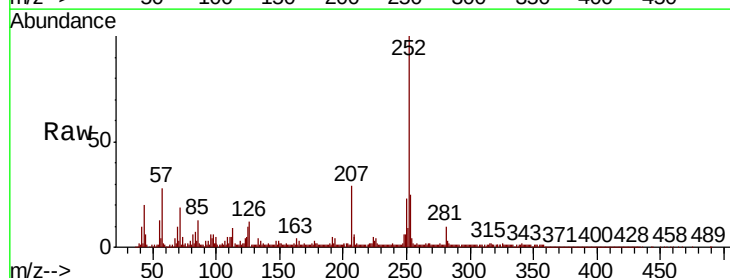
Tgt Ion:252 Resp: 491543

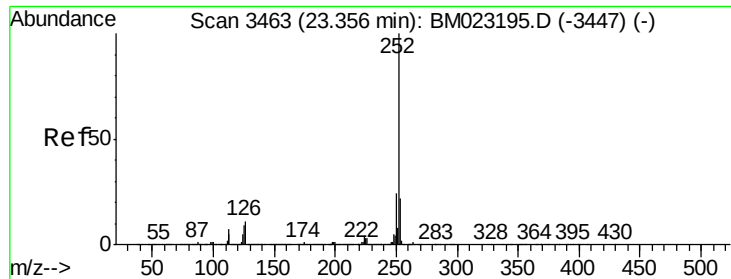
Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

125 10.3 6.5 9.7#





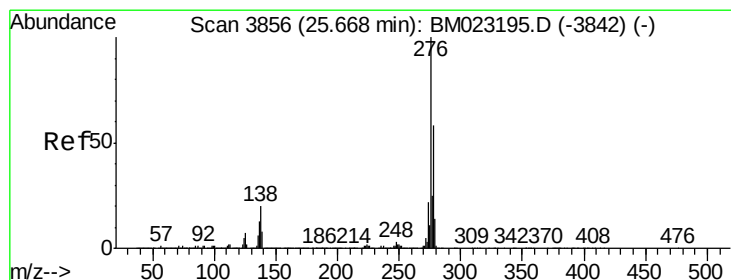
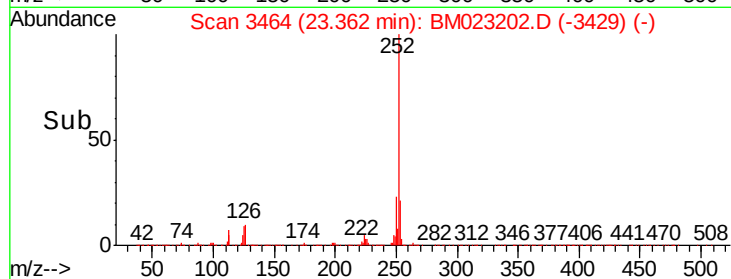
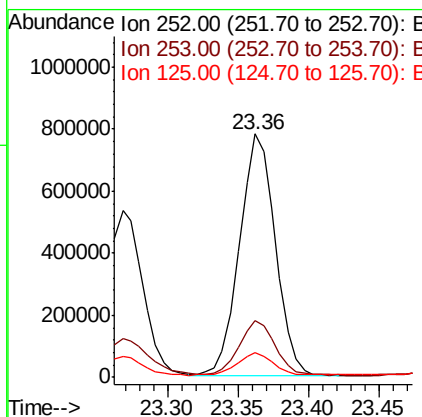
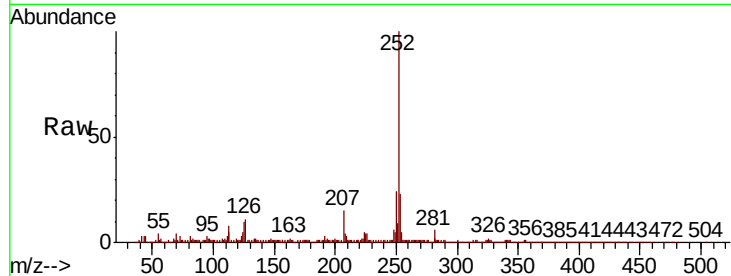
#91
Benzo(a)pyrene
Concen: 10.698 ng/ul
RT: 23.36 min Scan# 3464
Delta R.T. 0.01 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Instrument :
BNA_M
ClientSampleId :
BFB70

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	10.0	7.4	11.0

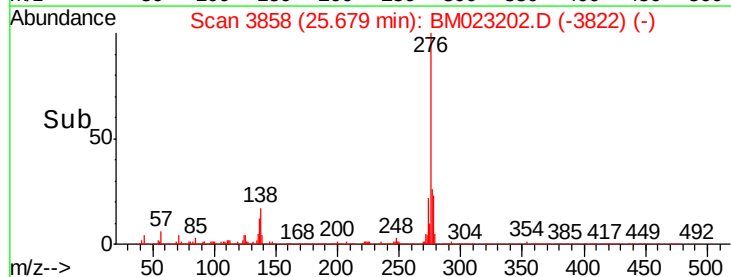
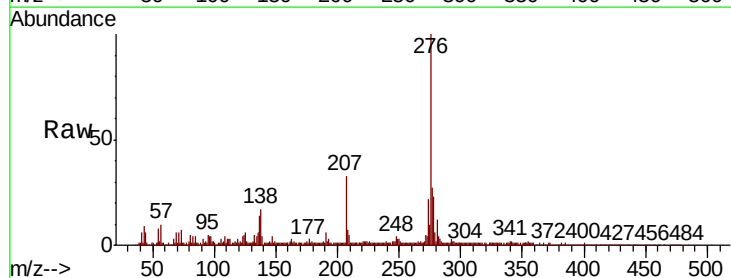
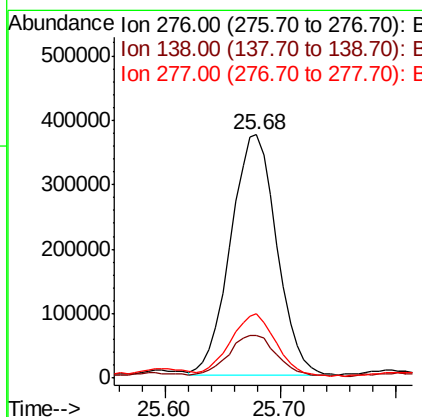
Manual Integrations
APPROVED

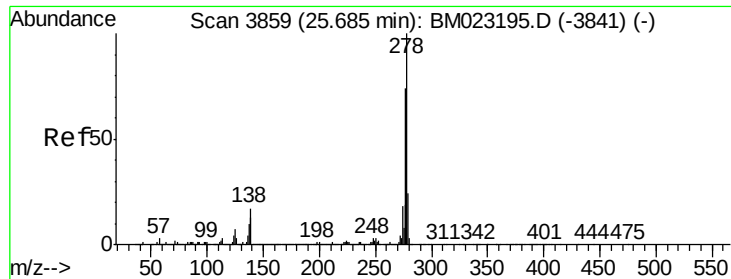
mohammad
10/18/2019 8:27:27 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 6.737 ng/ul
RT: 25.68 min Scan# 3858
Delta R.T. 0.01 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	14.9	22.3
277	26.5	19.8	29.8





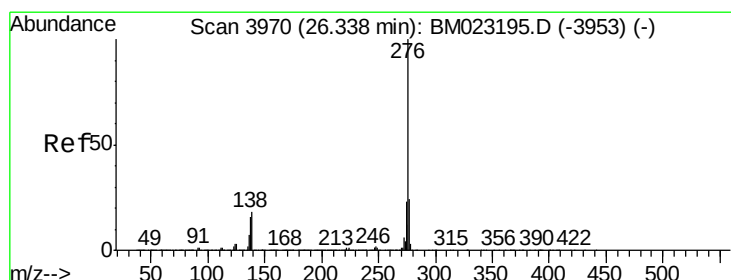
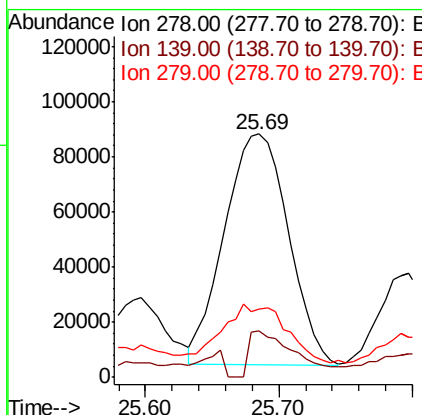
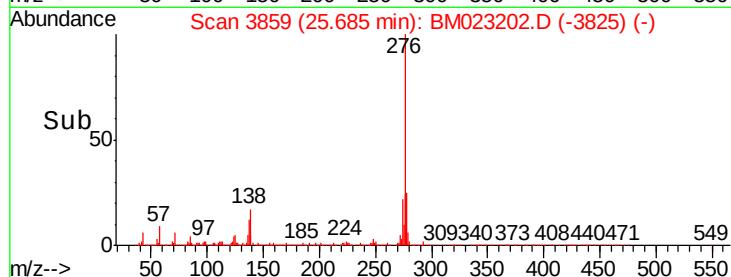
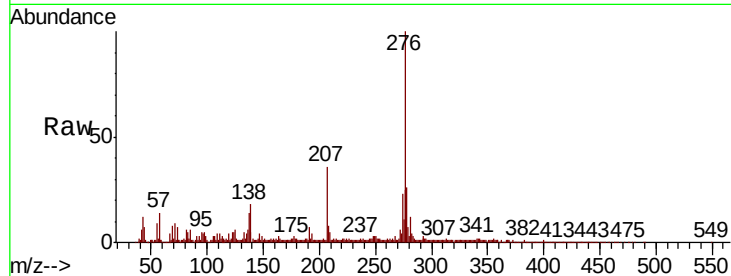
#93
Dibenzo(a,h)anthracene
Concen: 2.184 ng/ul
RT: 25.69 min Scan# 3859
Delta R.T. -0.00 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Instrument :
BNA_M
ClientSampled :
BFB70

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.3	10.0	15.0#
279	27.9	19.4	29.0

Manual Integrations
APPROVED

mohammad
10/18/2019 8:27:27 AM



#94
Benzo(g,h,i)perylene
Concen: 8.189 ng/ul
RT: 26.36 min Scan# 3973
Delta R.T. 0.02 min
Lab File: BM023202.D
Acq: 16 Oct 2019 22:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	14.4	21.6
277	24.6	19.4	29.2

