

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
 Data File : BM023352.D
 Acq On : 23 Oct 2019 21:23
 Operator : JU
 Sample : K5378-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0012

Manual Integrations
 APPROVED

mohammad
 10/24/2019 5:02:51 PM

Quant Time: Oct 24 04:01:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 18:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	775759	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	3391712	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	2104917	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	3831193	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2603310	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2917577	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	69987	4.29	ng/uL	0.00
5) Phenol-d5	6.82	99	1556178	23.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	1053961	27.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	1374745	26.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	1081219	20.43	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	767823	30.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	861848	30.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	1554067	27.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	1119847	17.49	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	4824241	30.18	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	5687864	31.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	367718	13.28	ng/ul	0.00
58) Fluorene-d10	15.28	176	4039702	29.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	525738	22.04	ng/ul	0.00
71) Anthracene-d10	17.13	188	5504862	30.40	ng/ul	0.00
79) Pyrene-d10	19.43	212	4919459	34.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	4602877	30.97	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.84	94	173817	2.591	ng/ul	98
45) Dimethylphthalate	13.75	163	1869264	11.647	ng/ul	99
48) Acenaphthylene	14.00	152	1247398	6.572	ng/ul	99
54) Dibenzofuran	14.69	168	324871	1.699	ng/ul	100
59) Fluorene	15.34	166	231370	1.484	ng/ul	97
70) Phenanthrene	17.07	178	16650292m	77.767	ng/ul	
72) Anthracene	17.17	178	4199119	19.357	ng/ul	99
75) Carbazole	17.43	167	2843458	15.549	ng/ul	99
77) Fluoranthene	19.09	202	21407471m	95.857	ng/ul	
80) Pyrene	19.46	202	20119837m	109.447	ng/ul	
83) Benzo(a)anthracene	21.21	228	15114343	86.810	ng/ul#	90
85) Chrysene	21.27	228	14299477	89.011	ng/ul#	77
88) Benzo(b)fluoranthene	22.79	252	20377289	108.746	ng/ul	96
89) Benzo(k)fluoranthene	22.82	252	7437936	42.272	ng/ul	97
91) Benzo(a)pyrene	23.34	252	14454581	85.206	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.65	276	11132083	60.605	ng/ul	97
93) Dibenzo(a,h)anthracene	25.65	278	2858548	18.456	ng/ul#	85
94) Benzo(g,h,i)perylene	26.33	276	10150495	67.921	ng/ul	99

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

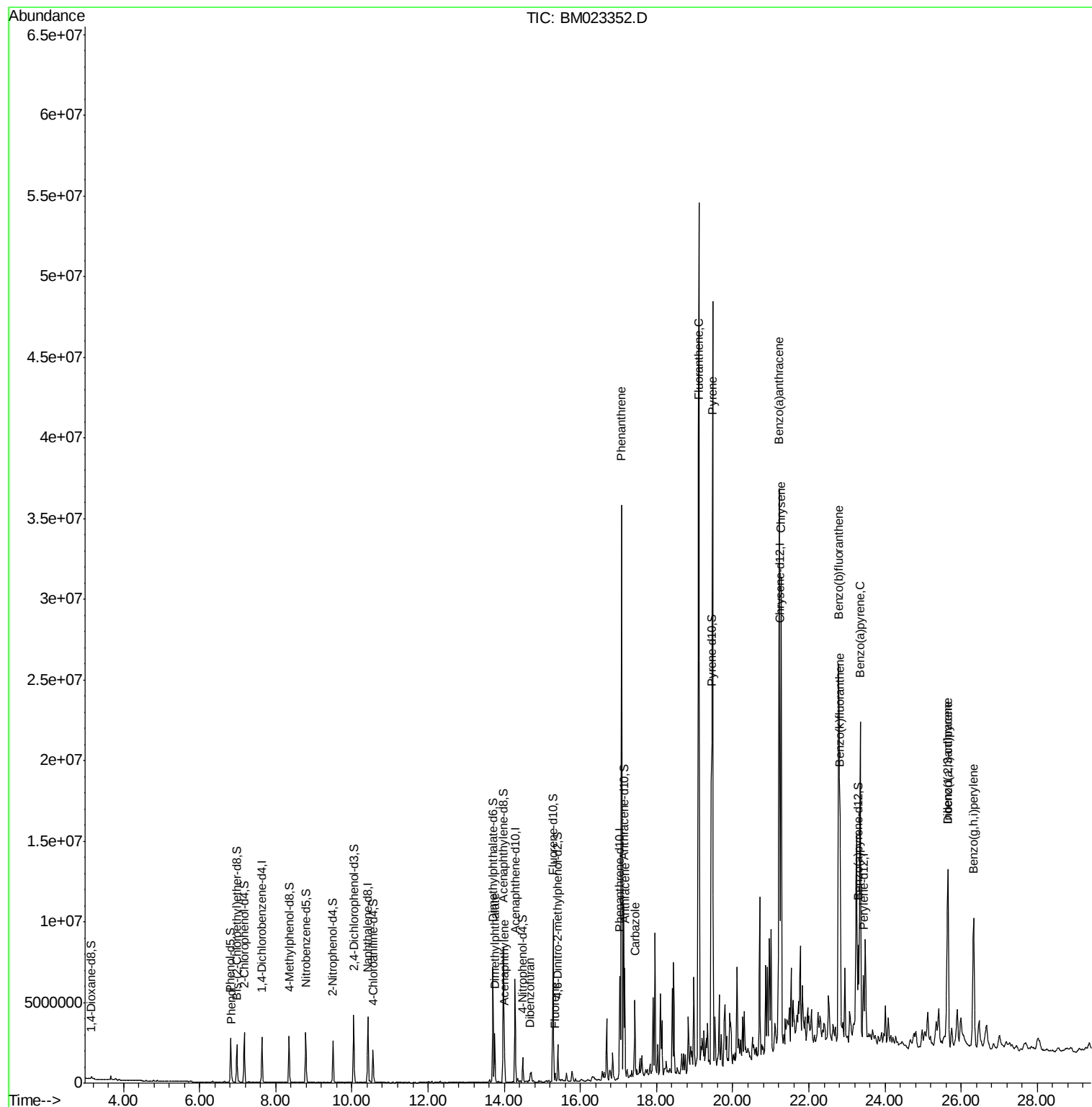
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023352.D
Acq On : 23 Oct 2019 21:23
Operator : JU
Sample : K5378-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

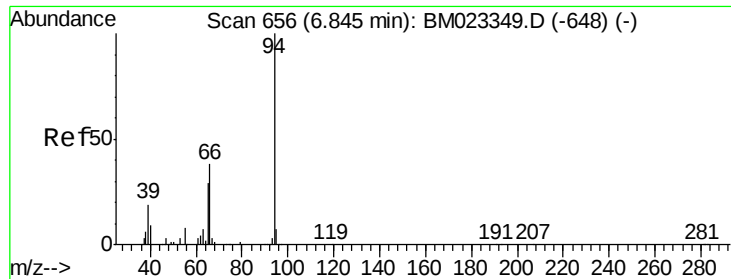
Instrument :
BNA_M
ClientSampleId :
C0012

Quant Time: Oct 24 04:01:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 18:47:16 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
10/24/2019 5:02:51 PM





#6

Phenol

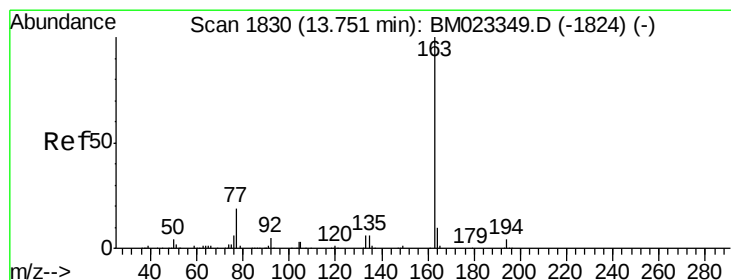
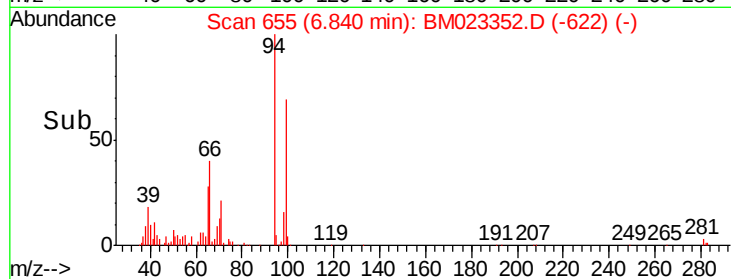
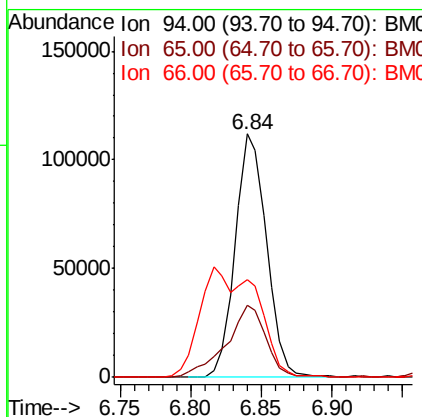
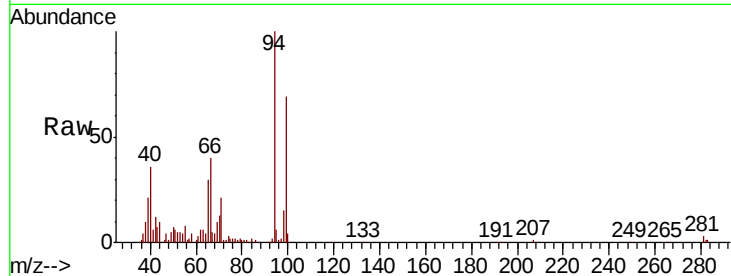
Concen: 2.591 ng/ul
 RT: 6.84 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Instrument :
 BNA_M
 ClientSampled :
 C0012

Tot Ion	Ratio	Lower	Upper
94	100		
65	29.5	22.9	34.3
66	40.2	31.4	47.2

Manual Integrations
 APPROVED

mohammad
 10/24/2019 5:02:51 PM

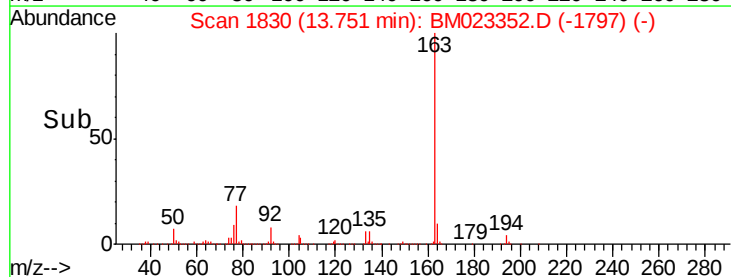
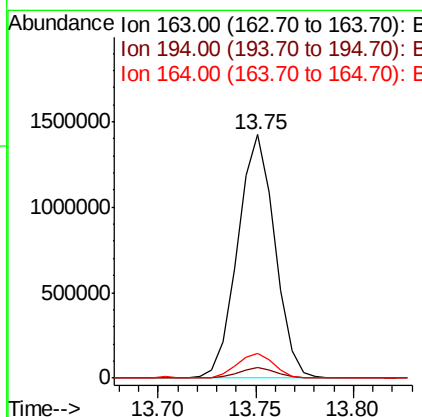
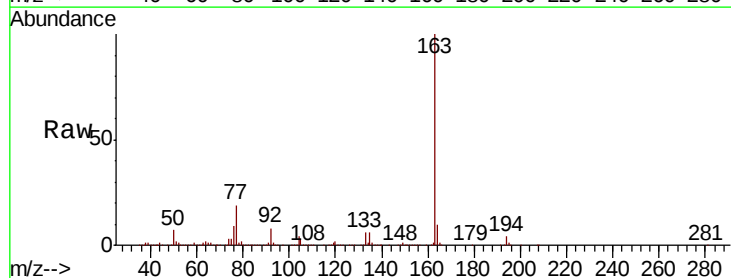


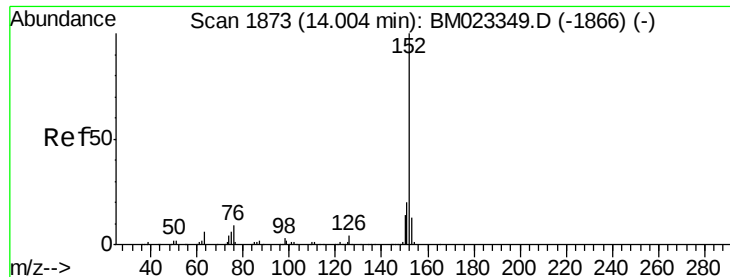
#45

Dimethylphthalate

Concen: 11.647 ng/ul
 RT: 13.75 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.2	7.9	11.9





#48

Acenaphthylene

Concen: 6.572 ng/ul

RT: 14.00 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampleId :

C0012

Tot Ion:152 Resp: 1247398

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.2

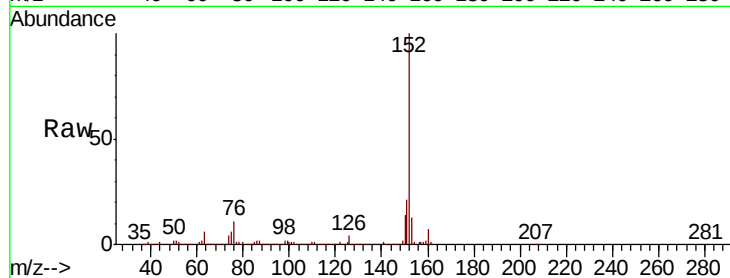
153 13.5 10.4 15.6

Manual Integrations

APPROVED

mohammad

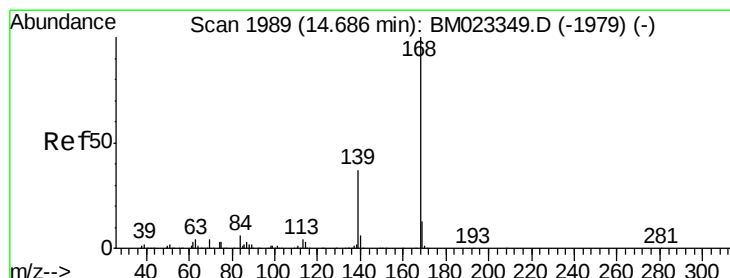
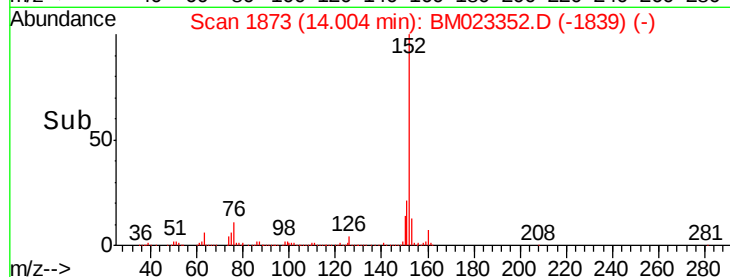
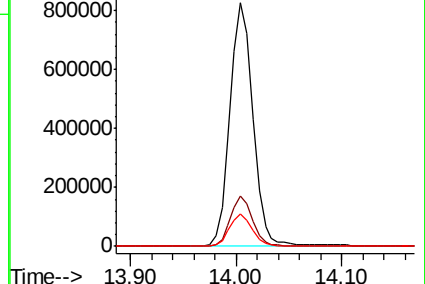
10/24/2019 5:02:51 PM



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



#54

Dibenzofuran

Concen: 1.699 ng/ul

RT: 14.69 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BM023352.D

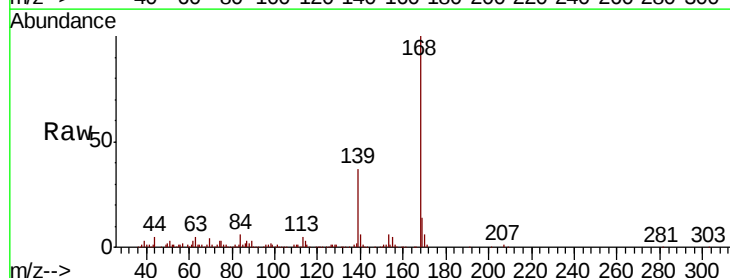
Acq: 23 Oct 2019 21:23

Tgt Ion:168 Resp: 324871

Ion Ratio Lower Upper

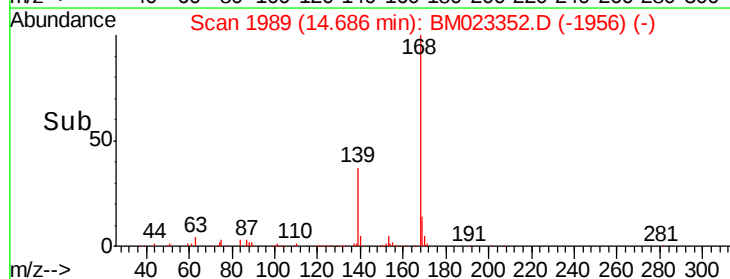
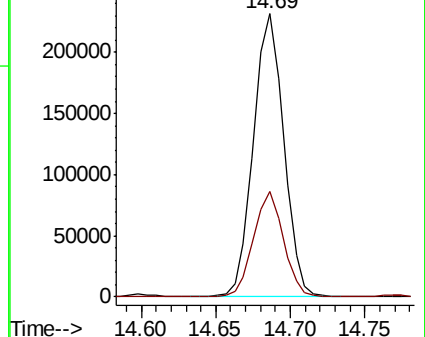
168 100

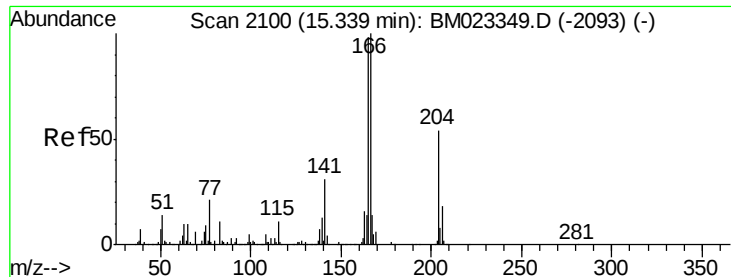
139 37.3 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





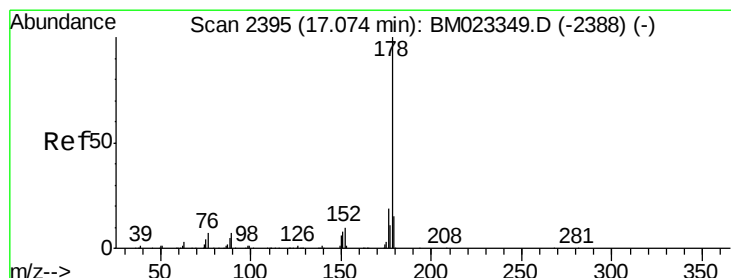
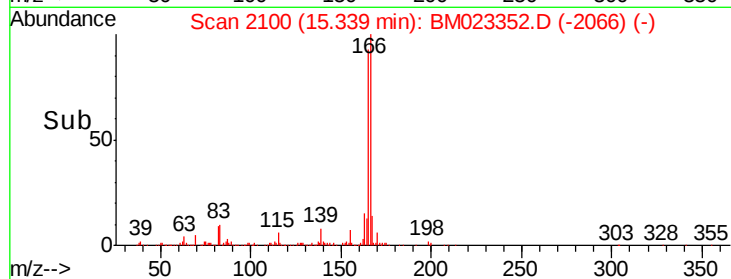
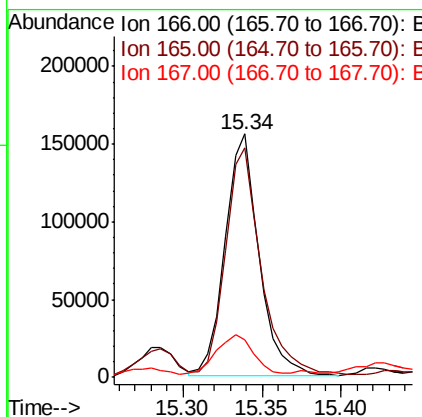
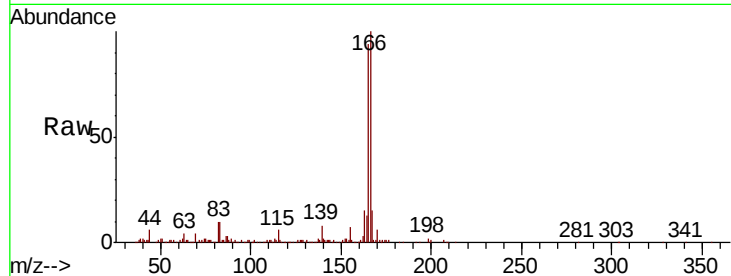
#59
Fluorene
 Concen: 1.484 ng/ul
 RT: 15.34 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Instrument :
 BNA_M
 ClientSampleId :
 C0012

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.2	77.8	116.6
167	15.3	10.8	16.2

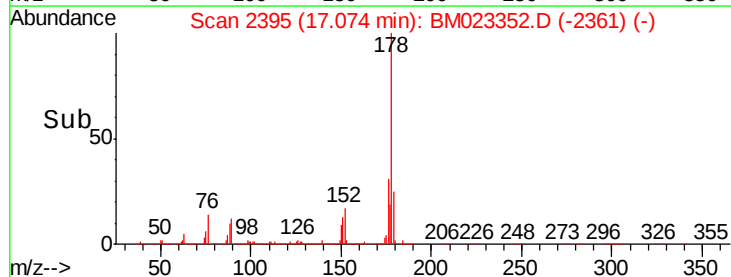
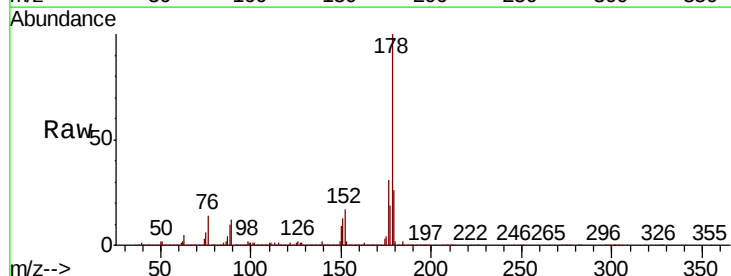
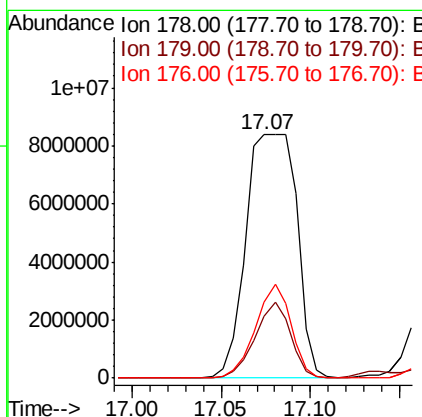
Manual Integrations
 APPROVED

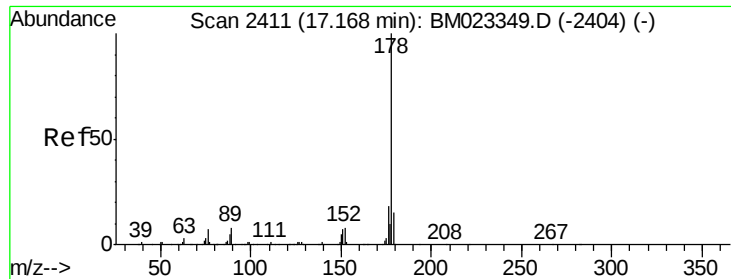
mohammad
 10/24/2019 5:02:51 PM



#70
Phenanthrene
 Concen: 77.767 ng/ul m
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Tgt Ion	Ratio	Lower	Upper
178	100		
179	25.5	12.2	18.2#
176	31.2	14.9	22.3#





#72

Anthracene

Concen: 19.357 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampleId :

C0012

Tot Ion:178 Resp: 4199119

Ion Ratio Lower Upper

178 100

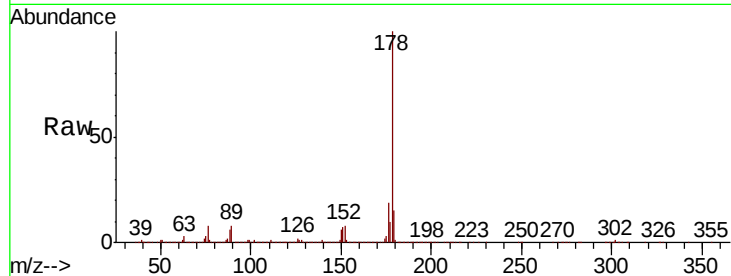
179 15.5 12.1 18.1

176 18.7 14.4 21.6

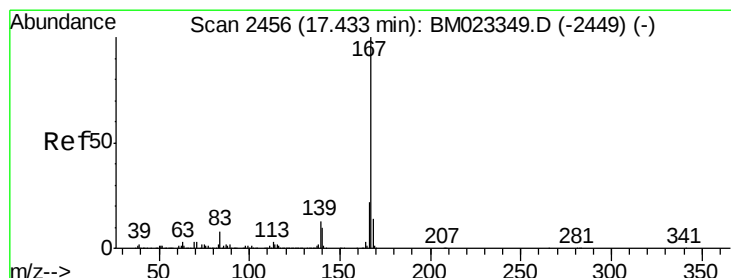
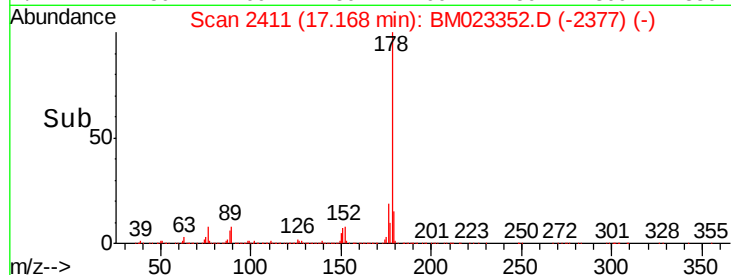
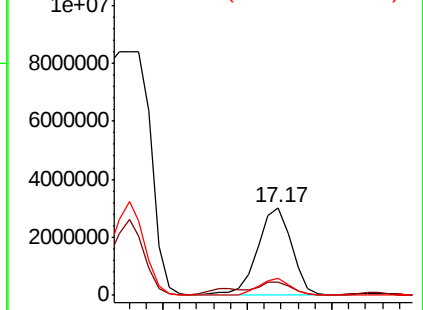
Manual Integrations
APPROVED

mohammad

10/24/2019 5:02:51 PM



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: 15.549 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

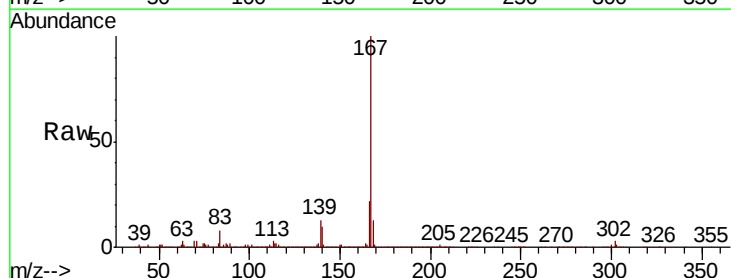
Tgt Ion:167 Resp: 2843458

Ion Ratio Lower Upper

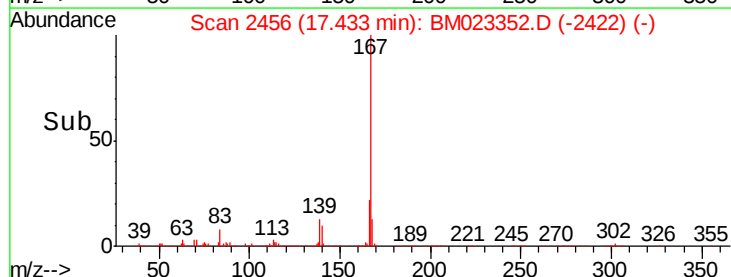
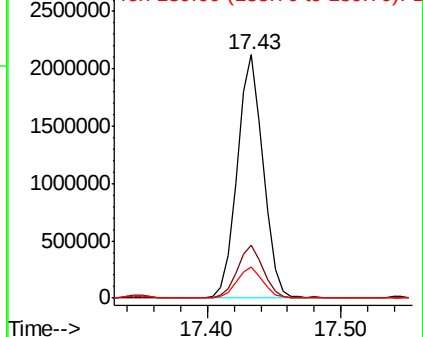
167 100

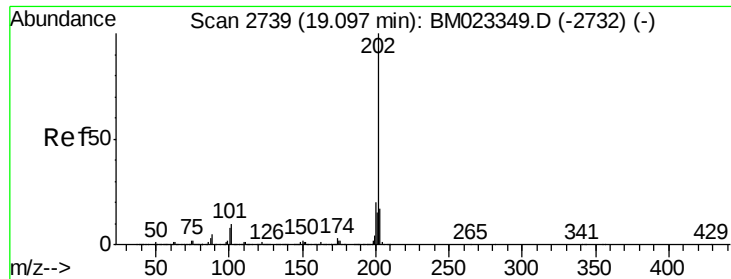
166 21.7 17.1 25.7

139 12.7 10.0 15.0



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





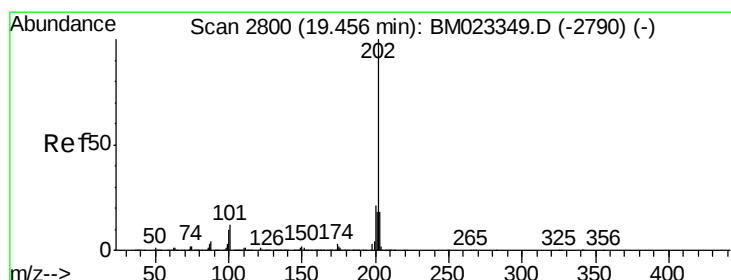
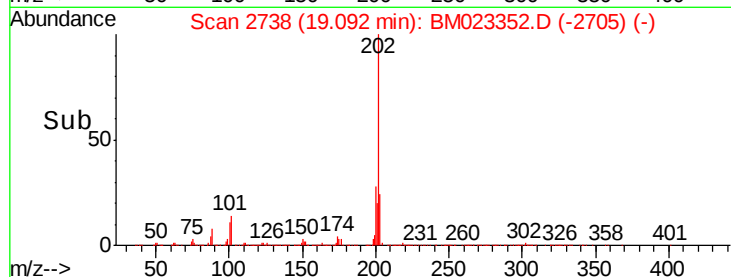
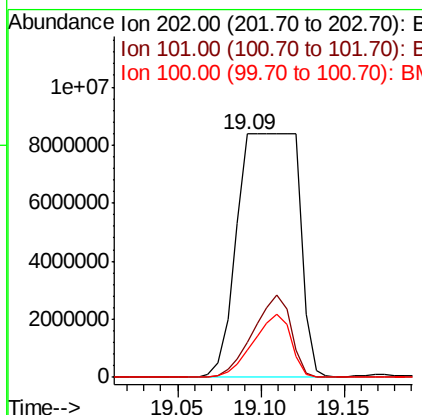
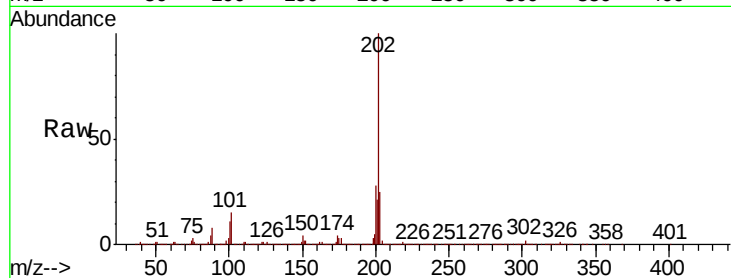
#77
 Fluoranthene
 Concen: 95.857 ng/ul m
 RT: 19.09 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Instrument :
 BNA_M
 ClientSampleId :
 C0012

Tot Ion:202 Resp:21407471
 Ion Ratio Lower Upper
 202 100
 101 14.6 8.1 12.1#
 100 11.3 6.2 9.2#

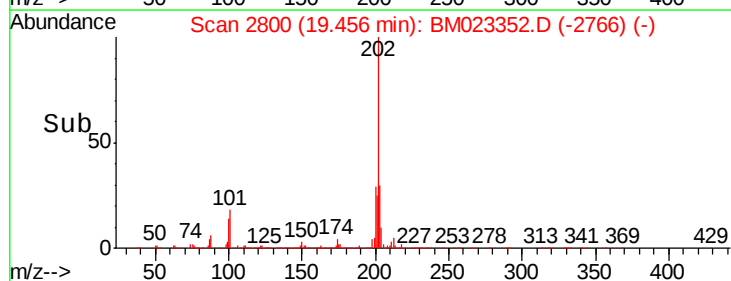
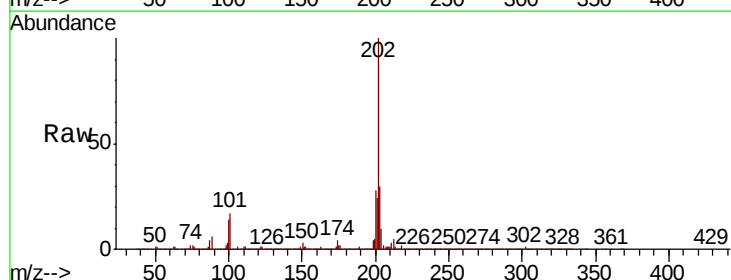
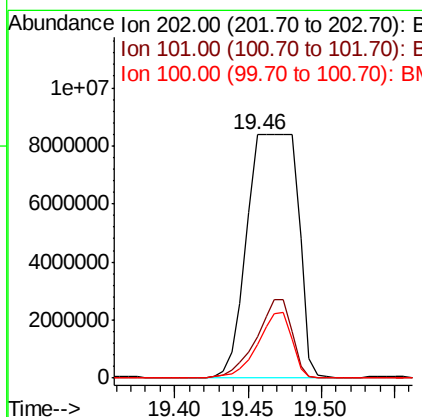
Manual Integrations
 APPROVED

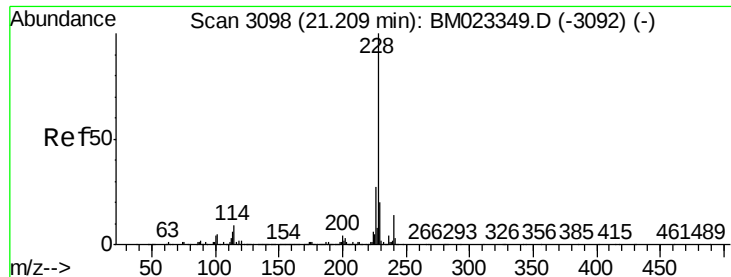
mohammad
 10/24/2019 5:02:51 PM



#80
 Pyrene
 Concen: 109.447 ng/ul m
 RT: 19.46 min Scan# 2800
 Delta R.T. -0.00 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Tgt Ion:202 Resp:20119837
 Ion Ratio Lower Upper
 202 100
 101 17.2 10.0 15.0#
 100 13.9 8.3 12.5#





#83

Benzo(a)anthracene

Concen: 86.810 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampled :

C0012

Tot Ion:228 Resp:15114343

Ion Ratio Lower Upper

228 100

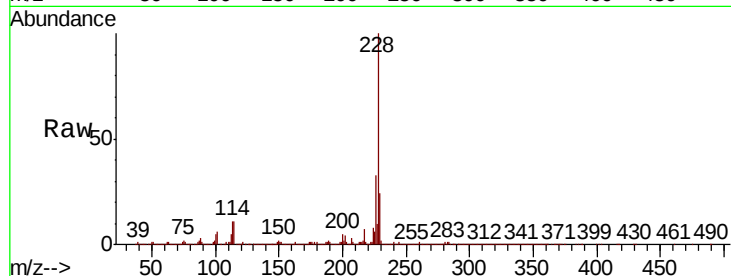
229 24.0 15.8 23.8#

226 32.9 21.6 32.4#

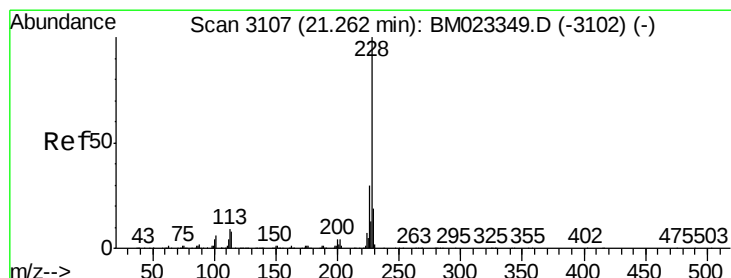
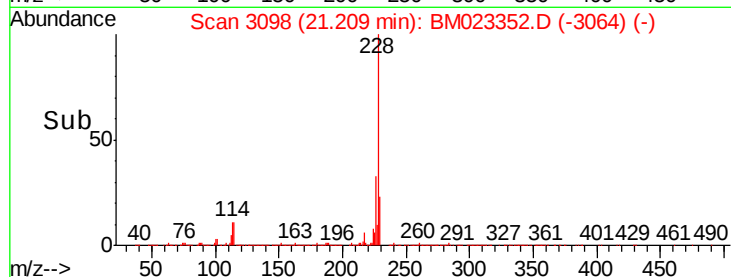
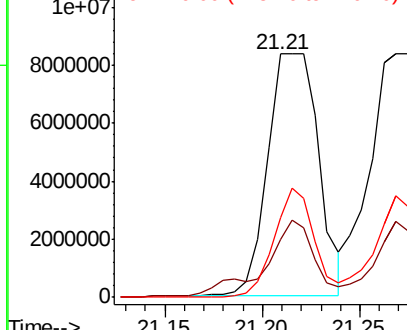
Manual Integrations
APPROVED

mohammad

10/24/2019 5:02:51 PM



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



#85

Chrysene

Concen: 89.011 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Tgt Ion:228 Resp:14299477

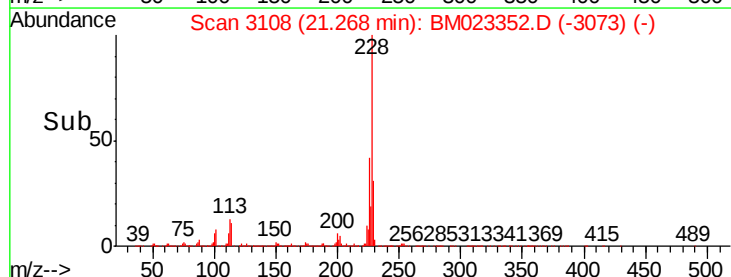
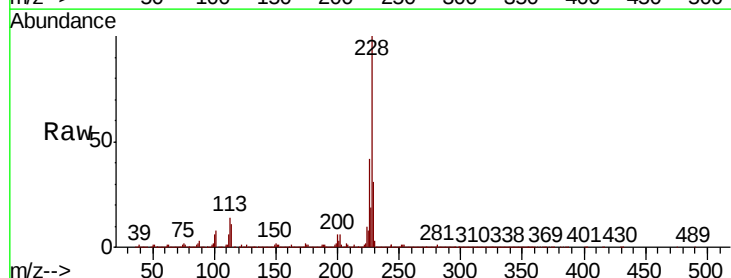
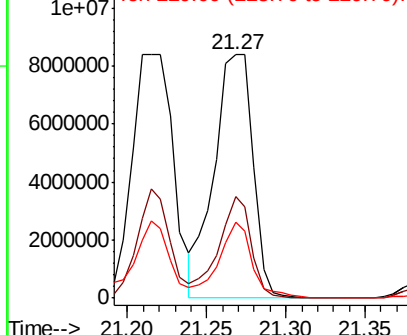
Ion Ratio Lower Upper

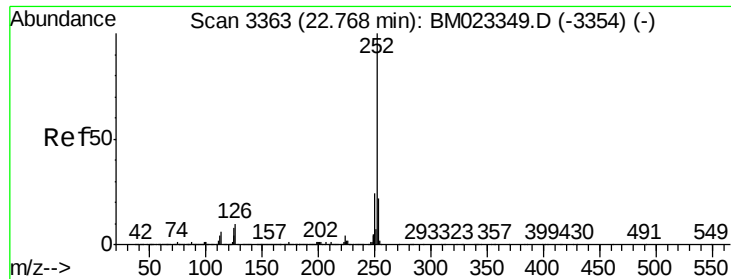
228 100

226 41.8 24.0 36.0#

229 31.2 16.0 24.0#

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





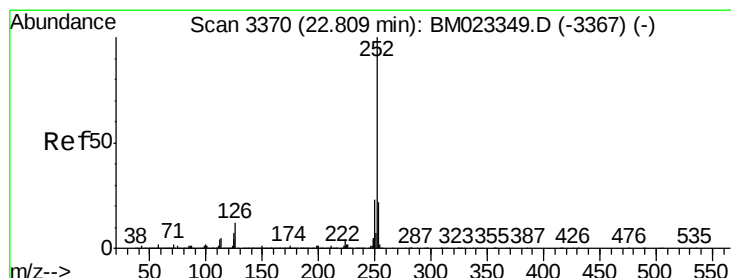
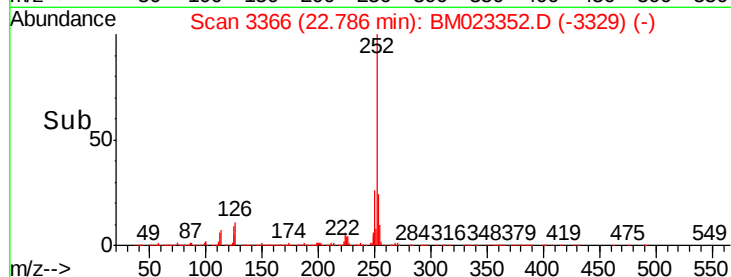
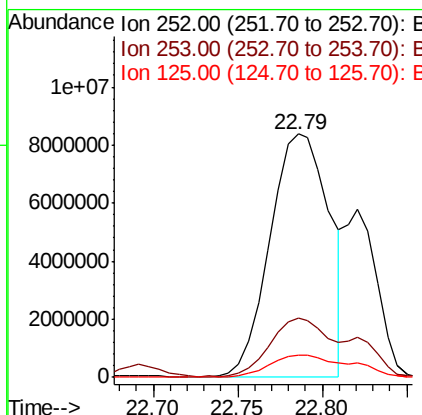
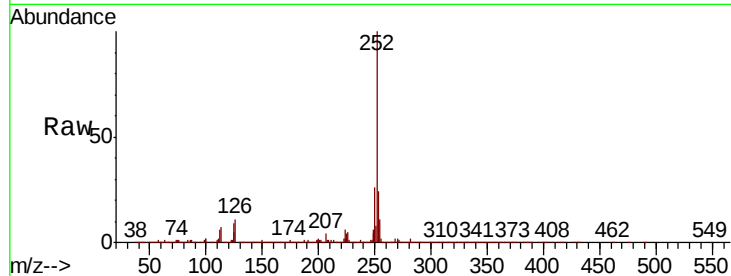
#88
Benzo(b)fluoranthene
Concen: 108.746 ng/uL
RT: 22.79 min Scan# 3366
Delta R.T. 0.02 min
Lab File: BM023352.D
Acq: 23 Oct 2019 21:23

Instrument :
BNA_M
ClientSampled :
C0012

Tot Ion:252 Resp:20377289
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 9.1 7.1 10.7

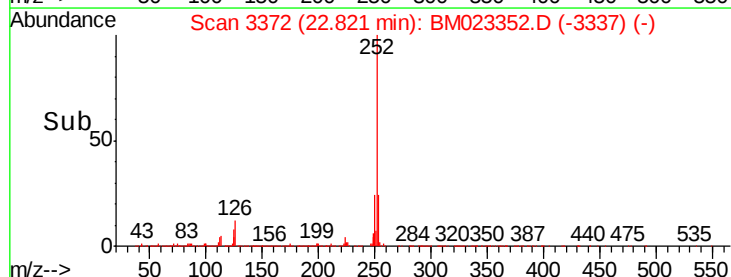
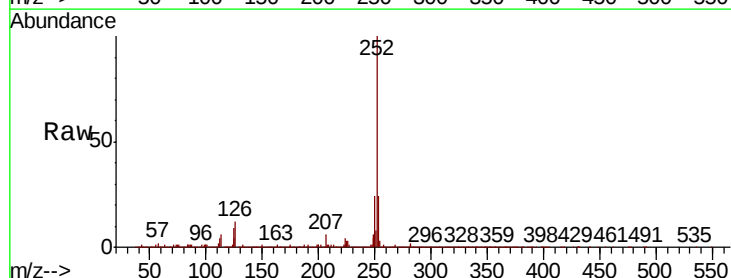
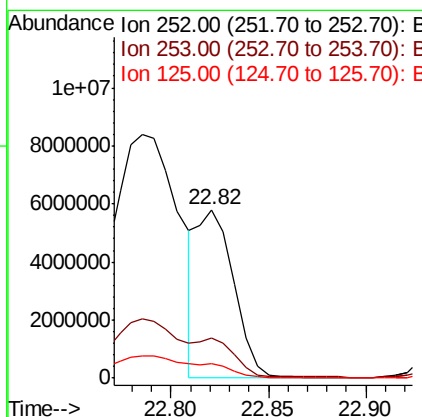
Manual Integrations
APPROVED

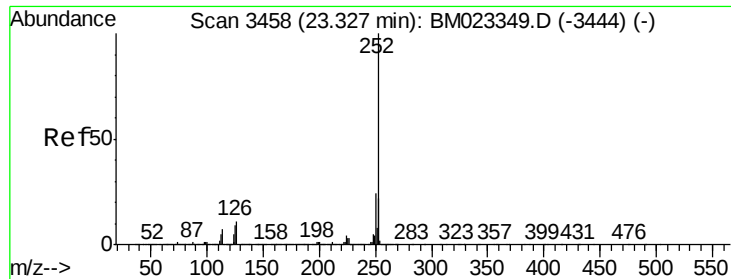
mohammad
10/24/2019 5:02:51 PM



#89
Benzo(k)fluoranthene
Concen: 42.272 ng/uL
RT: 22.82 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BM023352.D
Acq: 23 Oct 2019 21:23

Tgt Ion:252 Resp: 7437936
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 8.6 6.8 10.2





#91

Benzo(a)pyrene

Concen: 85.206 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampled :

C0012

Tot Ion:252 Resp:14454581

Ion Ratio Lower Upper

252 100

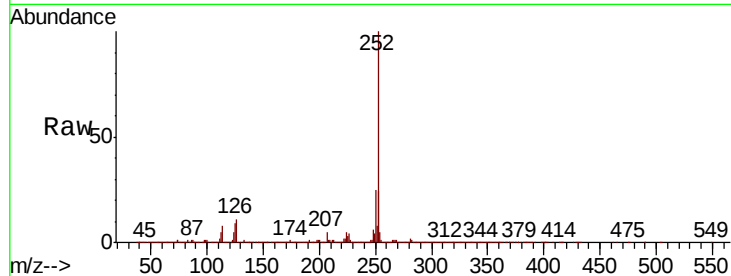
253 23.7 17.7 26.5

125 9.0 7.5 11.3

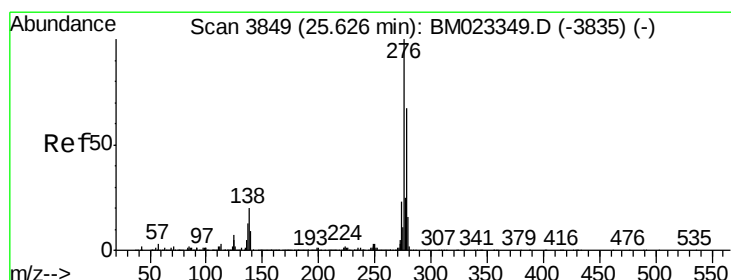
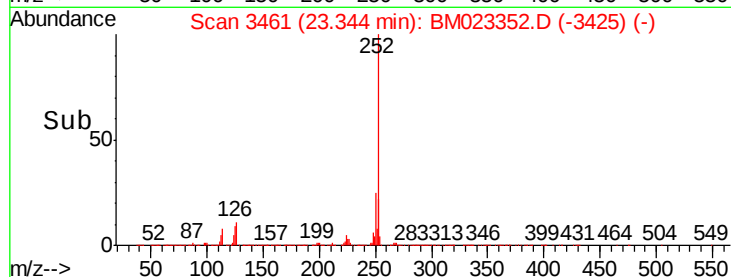
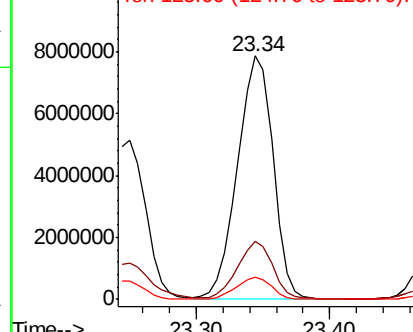
Manual Integrations
APPROVED

mohammad

10/24/2019 5:02:51 PM



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 60.605 ng/ul

RT: 25.65 min Scan# 3853

Delta R.T. 0.02 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

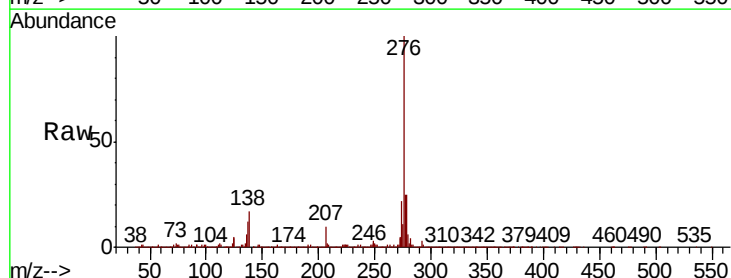
Tgt Ion:276 Resp:11132083

Ion Ratio Lower Upper

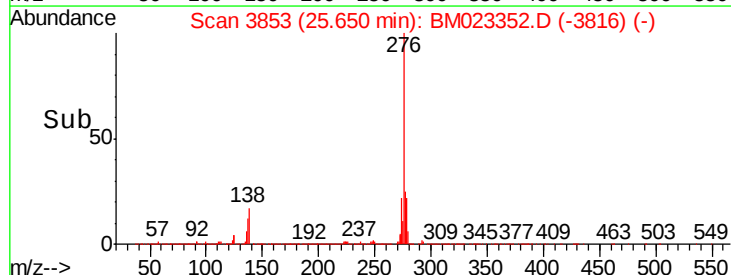
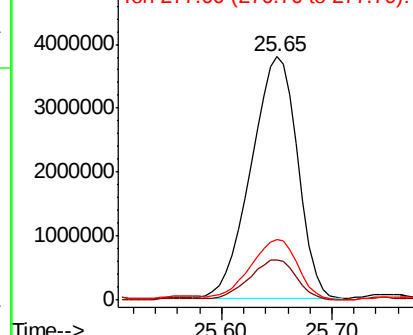
276 100

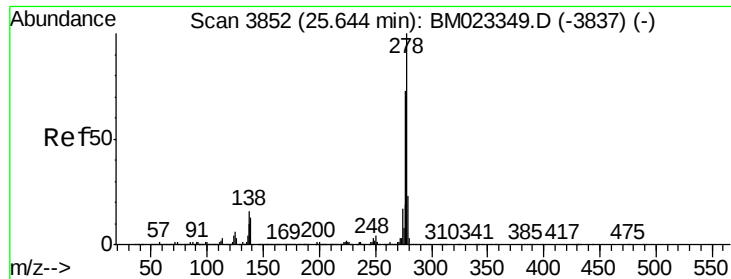
138 16.6 15.7 23.5

277 24.8 20.2 30.2



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





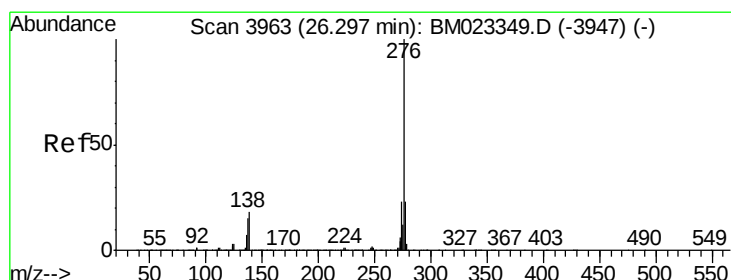
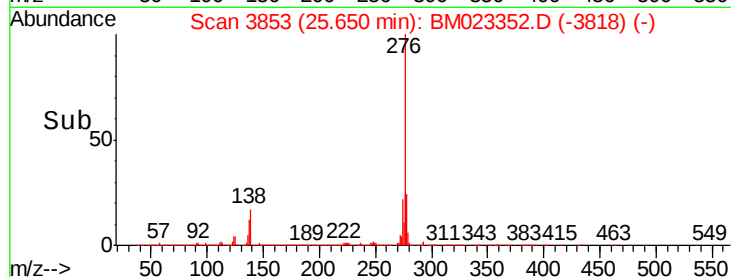
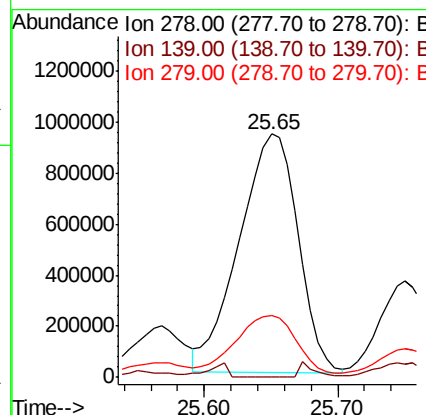
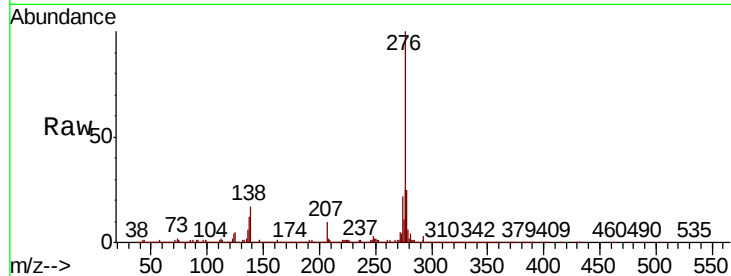
#93
Dibenzo(a,h)anthracene
Concen: 18.456 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.01 min
Lab File: BM023352.D
Acq: 23 Oct 2019 21:23

Instrument :
BNA_M
ClientSampled :
C0012

Tot Ion:278 Resp: 2858548
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 25.3 18.7 28.1

Manual Integrations
APPROVED

mohammad
10/24/2019 5:02:51 PM



#94
Benzo(g,h,i)perylene
Concen: 67.921 ng/ul
RT: 26.33 min Scan# 3968
Delta R.T. 0.02 min
Lab File: BM023352.D
Acq: 23 Oct 2019 21:23

Tgt Ion:276 Resp:10150495
Ion Ratio Lower Upper
276 100
138 17.2 14.4 21.6
277 24.2 19.0 28.6

