

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
 Data File : BM029836.D
 Acq On : 05 May 2021 20:46
 Operator : CG/JU
 Sample : M2192-01
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BG595

Manual Integrations
 APPROVED

mohammad
 5/6/2021 4:49:16 PM

Quant Time: May 06 07:42:25 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 04 14:23:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	97118	20.00	ng/ul	0.00
20) Naphthalene-d8	10.34	136	389010	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.21	164	242324	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.96	188	488883	20.00	ng/ul	0.00
79) Chrysene-d12	21.14	240	535814	20.00	ng/ul	0.00
88) Perylene-d12	23.30	264	590186	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	2484m	0.95	ng/uL	0.00
4) Pyridine-d5	3.56	84	10409m	1.73	ng/ul	0.06
7) Phenol-d5	6.75	99	96840	11.48	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.91	67	71521	13.73	ng/ul	0.00
11) 2-Chlorophenol-d4	7.10	132	90304	13.44	ng/ul	0.00
15) 4-Methylphenol-d8	8.28	113	78000	11.59	ng/ul	0.00
21) Nitrobenzene-d5	8.72	128	31987	11.07	ng/ul	0.00
24) 2-Nitrophenol-d4	9.44	143	31268	9.91	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.98	165	72700	12.32	ng/ul	0.00
31) 4-Chloroaniline-d4	10.49	131	92692m	10.78	ng/ul	0.00
46) Dimethylphthalate-d6	13.63	166	295675	16.34	ng/ul	0.00
49) Acenaphthylene-d8	13.90	160	400401	16.92	ng/ul	0.00
54) 4-Nitrophenol-d4	14.45	143	14093m	5.06	ng/ul	0.00
60) Fluorene-d10	15.21	176	295275	19.17	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.34	200	8466	2.58	ng/ul	0.00
73) Anthracene-d10	17.06	188	459566	19.01	ng/ul	0.00
81) Pyrene-d10	19.36	212	539804	19.64	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.17	264	625596	18.88	ng/ul	0.00

Target Compounds

					Ovalue	
8) Phenol	6.78	94	8760	1.021	ng/ul#	84
30) Naphthalene	10.39	128	83774	3.915	ng/ul	98
36) 2-Methylnaphthalene	12.01	142	25922	1.777	ng/ul	98
37) 1-Methylnaphthalene	12.23	142	45732	3.143	ng/ul#	94
47) Dimethylphthalate	13.67	163	36306	2.010	ng/ul	99
50) Acenaphthylene	13.93	152	107602	4.664	ng/ul#	94
52) Acenaphthene	14.27	153	66419	4.076	ng/ul	95
61) Fluorene	15.26	166	80650	4.389	ng/ul	95
72) Phenanthrene	17.00	178	827600	28.532	ng/ul	99
74) Anthracene	17.09	178	333566	11.294	ng/ul	98
80) Fluoranthene	19.02	202	1171395	35.105	ng/ul	96
82) Pyrene	19.39	202	1554153	43.750	ng/ul	97
85) Benzo(a)anthracene	21.13	228	1035027m	29.746	ng/ul	
87) Chrysene	21.18	228	979282	27.813	ng/ul	98
90) Benzo(b)fluoranthene	22.67	252	892695	23.127	ng/ul#	92
91) Benzo(k)fluoranthene	22.70	252	221406m	5.845	ng/ul	
93) Benzo(a)pyrene	23.21	252	877262	25.375	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	25.47	276	396123	8.631	ng/ul	96
95) Dibenzo(a,h)anthracene	25.47	278	127853	3.333	ng/ul#	82
96) Benzo(a,h,i)perylene	26.13	276	395683	10.333	ng/ul	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029836.D
Acq On : 05 May 2021 20:46
Operator : CG/JU
Sample : M2192-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BG595

Manual Integrations
APPROVED

mohammad
5/6/2021 4:49:16 PM

Quant Time: May 06 07:42:25 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 04 14:23:48 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

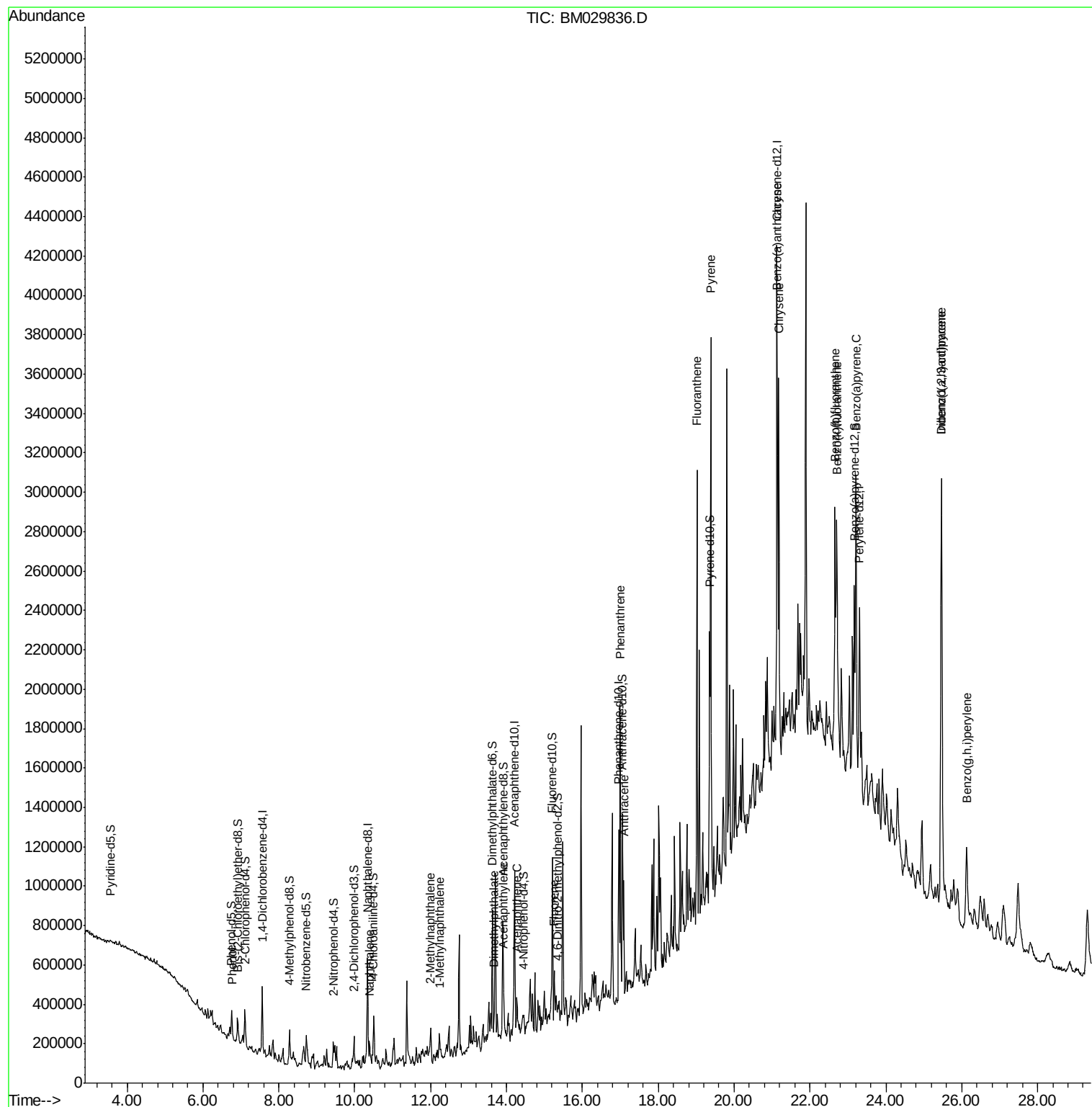
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050421\
Data File : BM029836.D
Acq On : 05 May 2021 20:46
Operator : CG/JU
Sample : M2192-01
Misc :
ALS Vial : 55 Sample Multiplier: 1

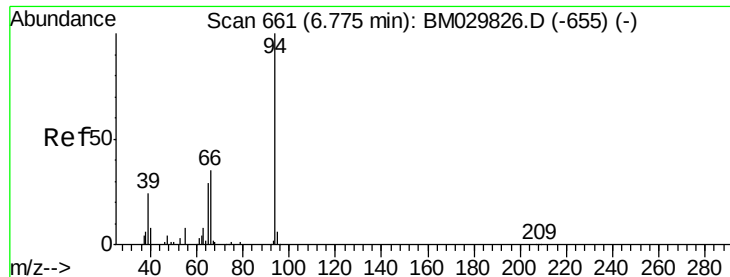
Instrument :
BNA_M
ClientSampled :
BG595

Manual Integrations
APPROVED

mohammad
5/6/2021 4:49:16 PM

Quant Time: May 06 07:42:25 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050421.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 04 14:23:48 2021
Response via : Initial Calibration





#8

Phenol

Concen: 1.021 ng/ul

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Instrument :

BNA_M

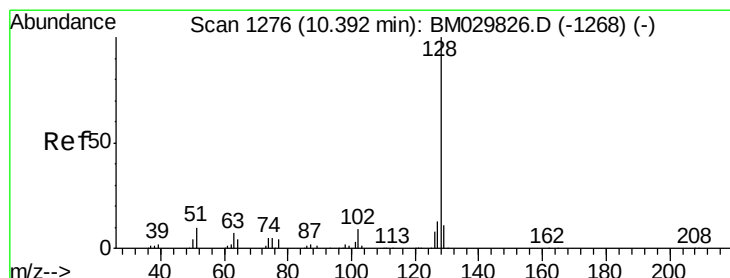
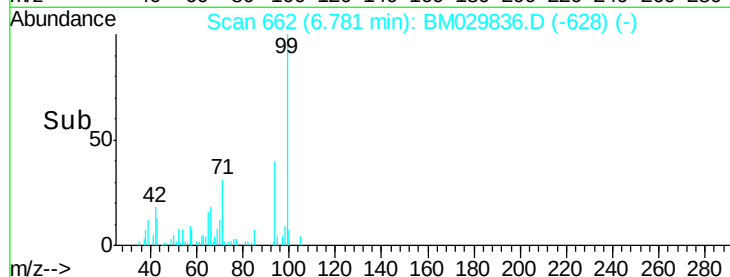
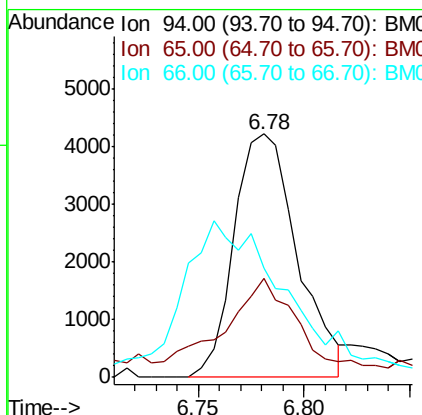
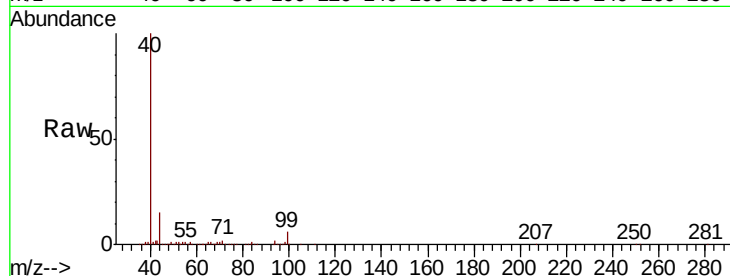
ClientSampled :

BG595

Tot Ion:	94	Resp:	8760
Ion	Ratio	Lower	Upper
94	100		
65	40.8	24.2	36.2#
66	44.9	29.5	44.3#

Manual Integrations
APPROVED

mohammad
5/6/2021 4:49:16 PM



#30

Naphthalene

Concen: 3.915 ng/ul

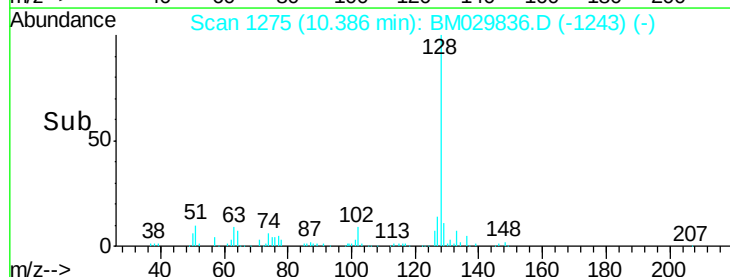
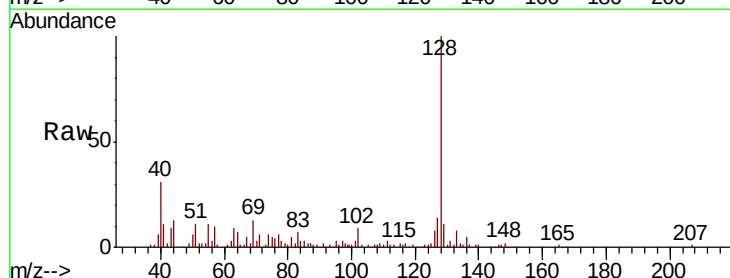
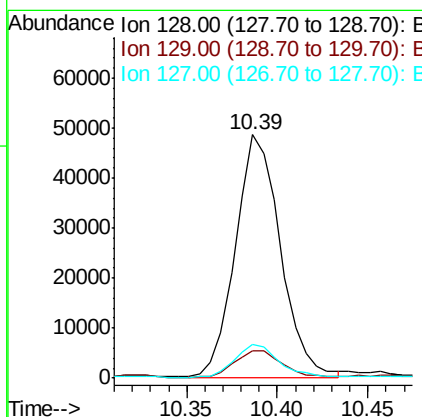
RT: 10.39 min Scan# 1275

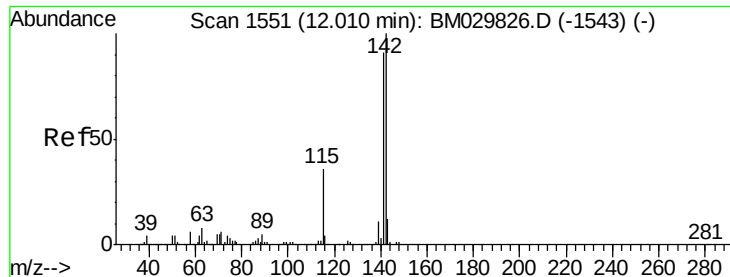
Delta R.T. -0.01 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Tgt Ion:	128	Resp:	83774
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.6	10.0	15.0





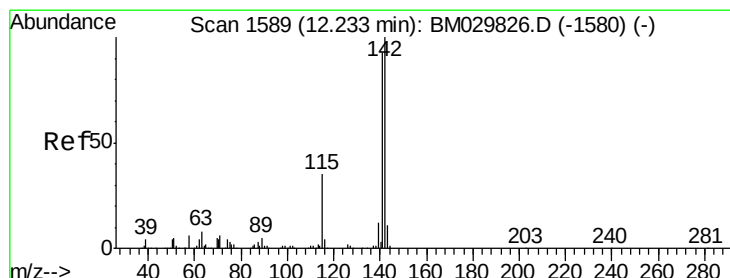
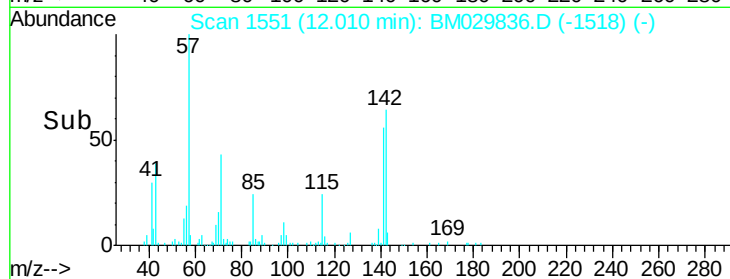
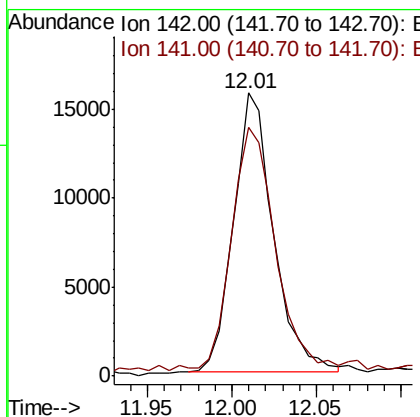
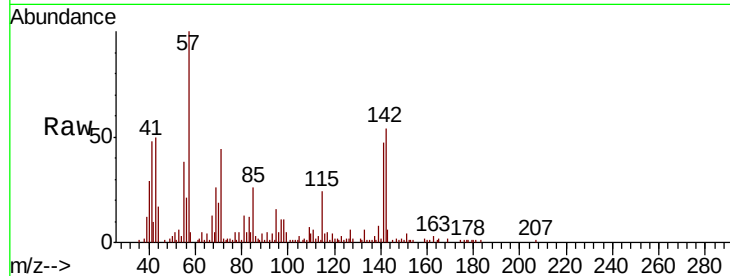
#36
2-Methylnaphthalene
Concen: 1.777 ng/ul
RT: 12.01 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Instrument :
BNA_M
ClientSampleId :
BG595

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.1	108.1

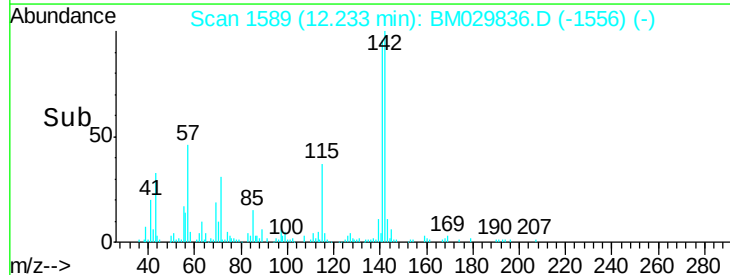
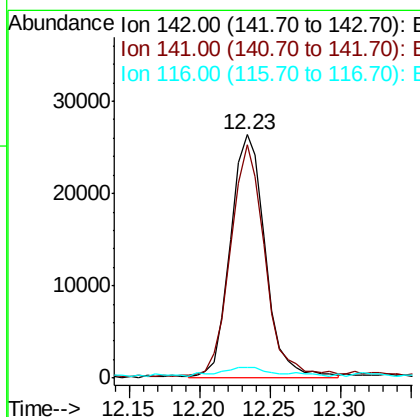
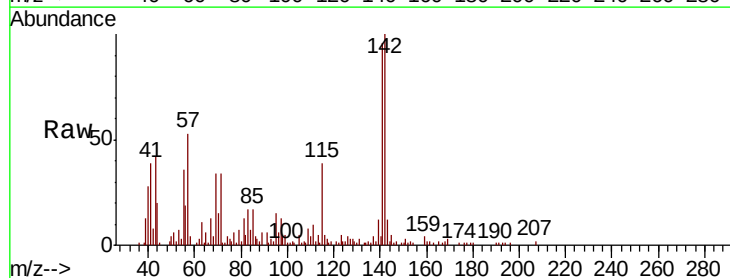
Manual Integrations
APPROVED

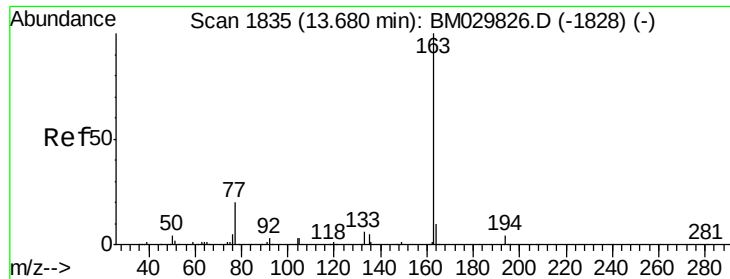
mohammad
5/6/2021 4:49:16 PM



#37
1-Methylnaphthalene
Concen: 3.143 ng/ul
RT: 12.23 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.0	72.5	108.7
116	4.6	2.9	4.3#





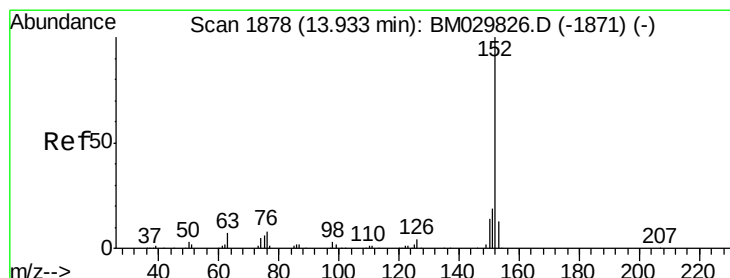
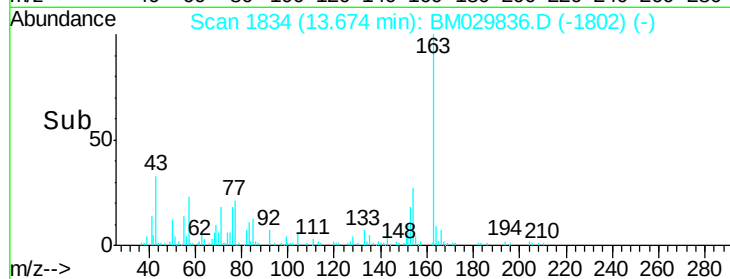
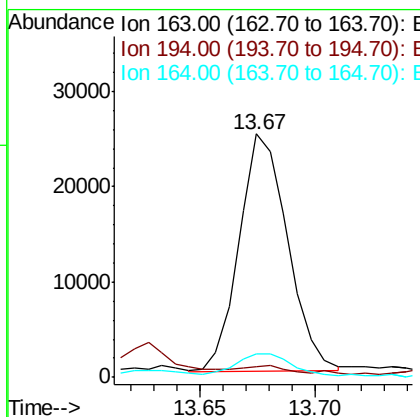
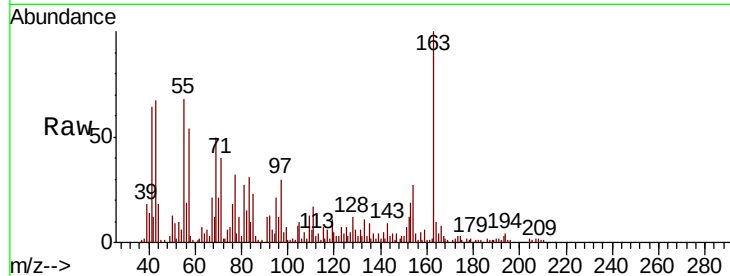
#47
Dimethylphthalate
Concen: 2.010 ng/ul
RT: 13.67 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Instrument :
BNA_M
ClientSampleId :
BG595

Tot Ion	Ratio	Resp	Lower	Upper
163	100	36306		
194	4.3		3.4	5.0
164	9.6		7.9	11.9

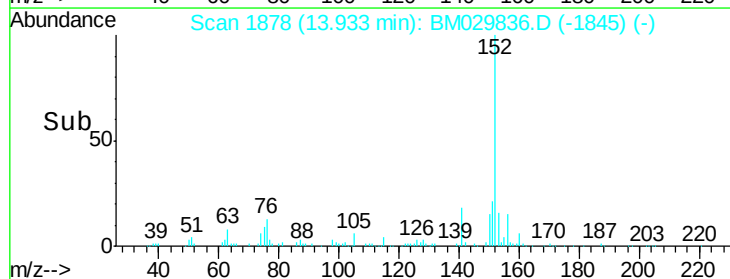
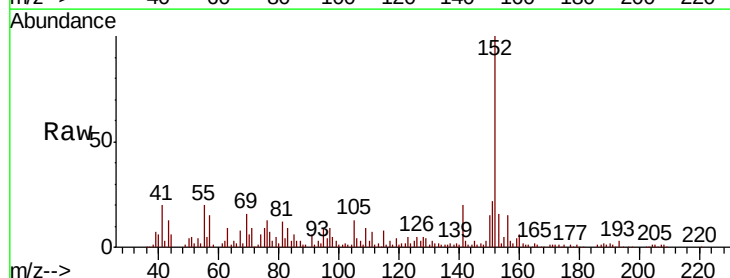
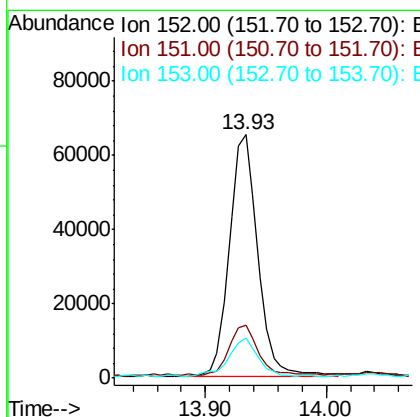
Manual Integrations
APPROVED

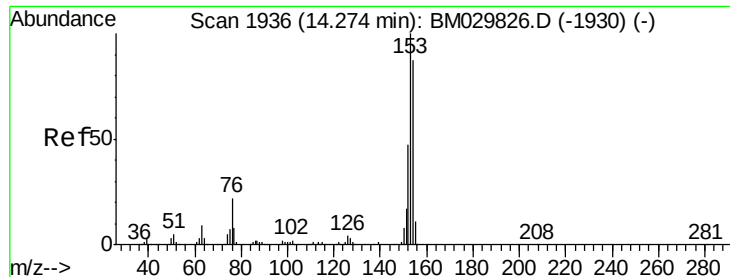
mohammad
5/6/2021 4:49:16 PM



#50
Acenaphthylene
Concen: 4.664 ng/ul
RT: 13.93 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	107602		
151	21.8		15.7	23.5
153	16.3		10.3	15.5





#52

Acenaphthene

Concen: 4.076 ng/ul

RT: 14.27 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Instrument :

BNA_M

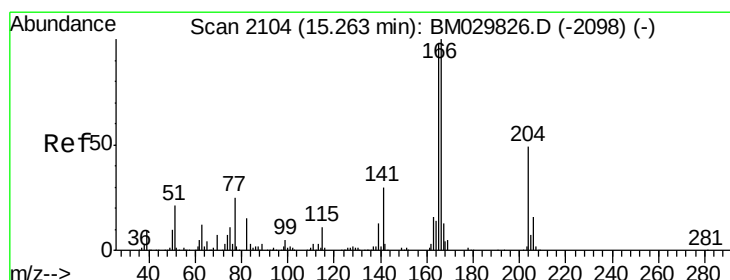
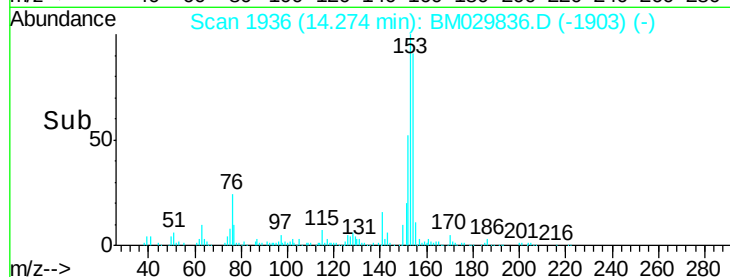
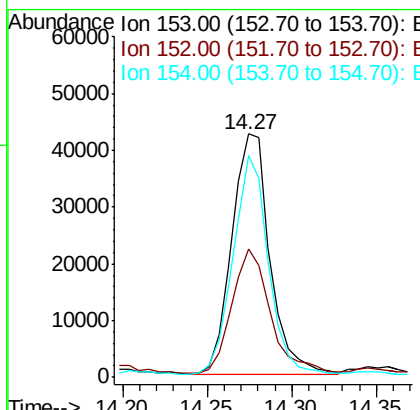
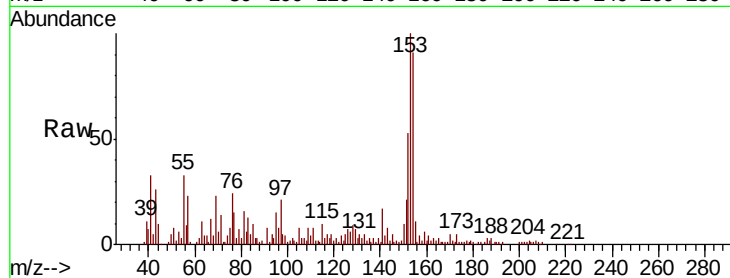
ClientSampleId :

BG595

Tot Ion:	153	Resp:	66419
Ion Ratio	Lower	Upper	
153	100		
152	52.6	37.4	56.0
154	90.9	70.3	105.5

Manual Integrations
APPROVED

mohammad
5/6/2021 4:49:16 PM



#61

Fluorene

Concen: 4.389 ng/ul

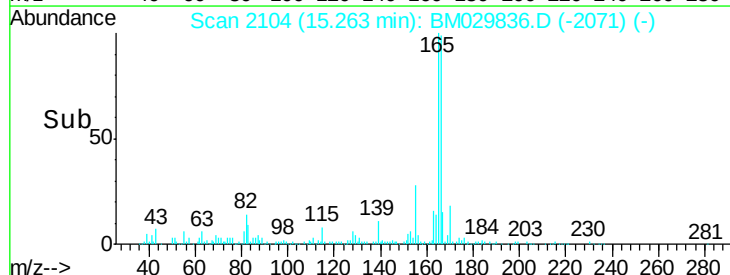
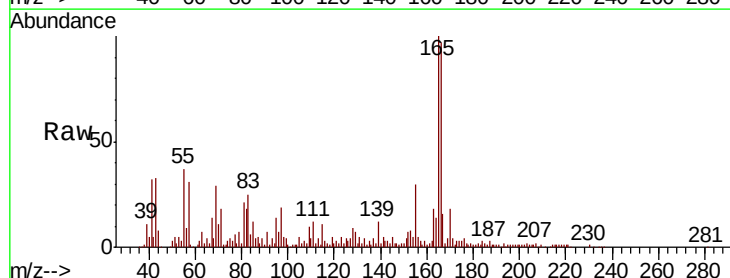
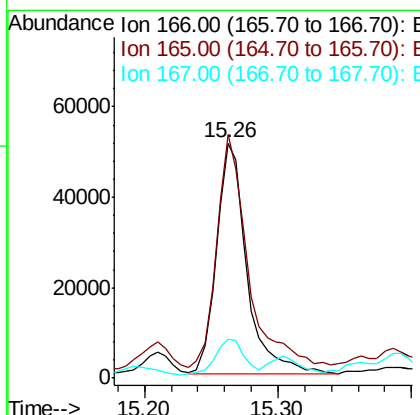
RT: 15.26 min Scan# 2104

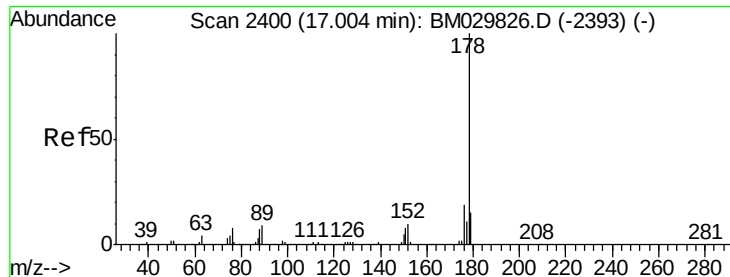
Delta R.T. -0.01 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Tgt Ion:	166	Resp:	80650
Ion Ratio	Lower	Upper	
166	100		
165	103.6	78.7	118.1
167	16.8	11.2	16.8





#72

Phenanthrene

Concen: 28.532 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Instrument :

BNA_M

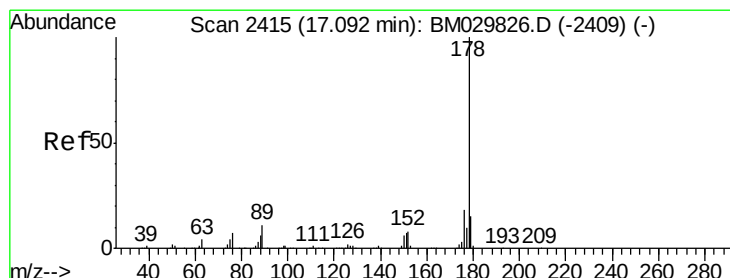
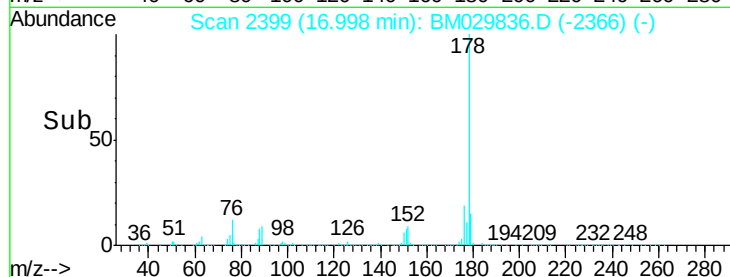
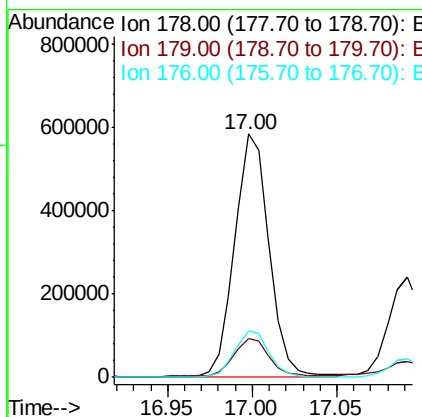
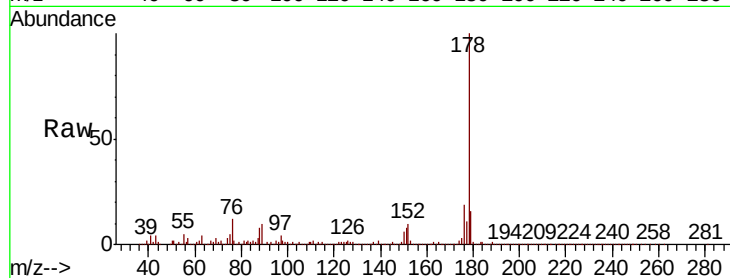
ClientSampleId :

BG595

Tot Ion:	178	Resp:	827600
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.3	18.5
176	19.3	15.0	22.6

Manual Integrations
APPROVED

mohammad
5/6/2021 4:49:16 PM



#74

Anthracene

Concen: 11.294 ng/ul

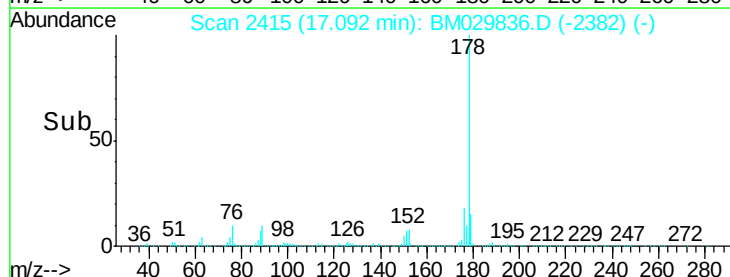
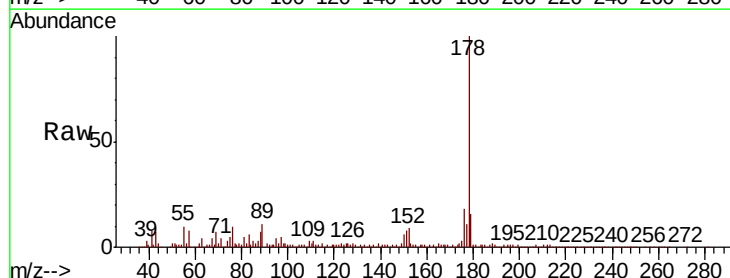
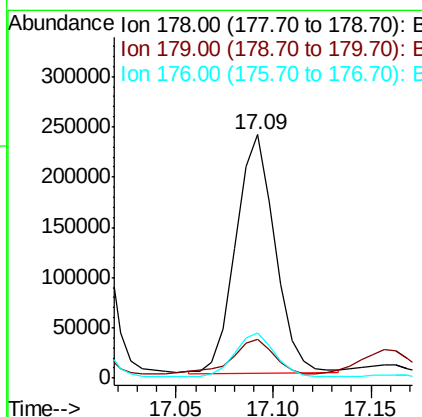
RT: 17.09 min Scan# 2415

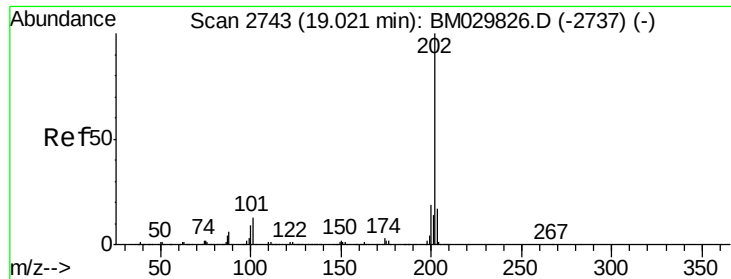
Delta R.T. -0.01 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Tgt Ion:	178	Resp:	333566
Ion Ratio	Lower	Upper	
178	100		
179	16.2	11.9	17.9
176	18.4	14.3	21.5





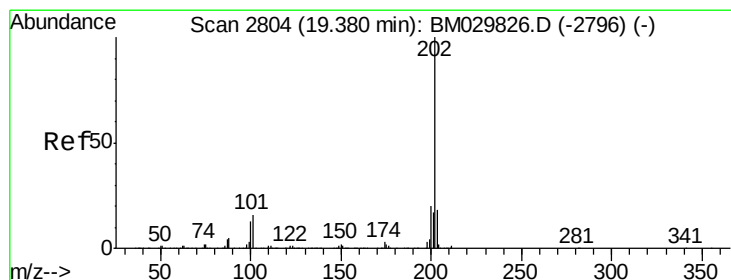
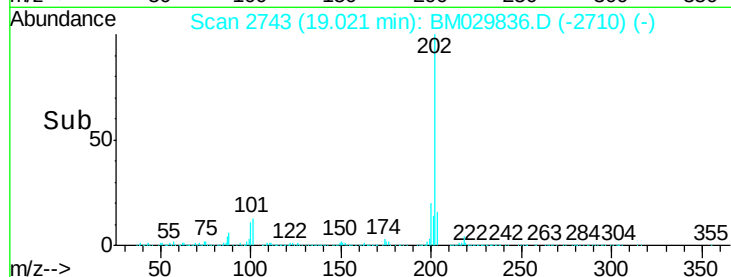
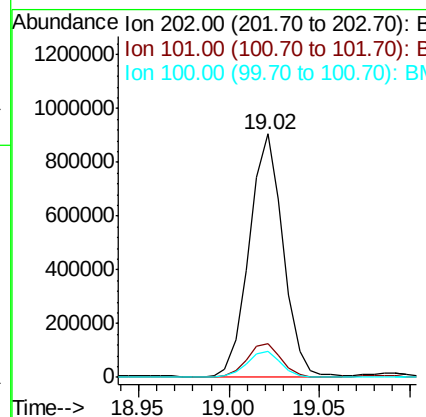
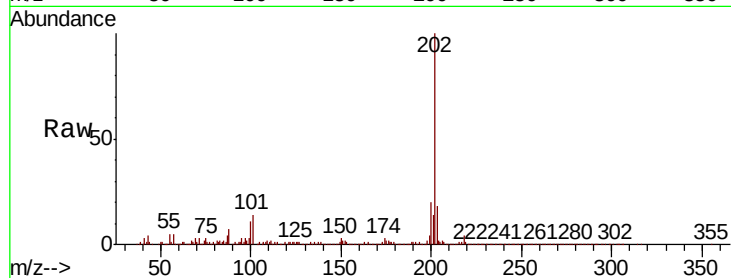
#80
Fluoranthene
Concen: 35.105 ng/ul
RT: 19.02 min Scan# 2743
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Instrument :
BNA_M
ClientSampleId :
BG595

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.8	14.6
100	10.9	7.7	11.5

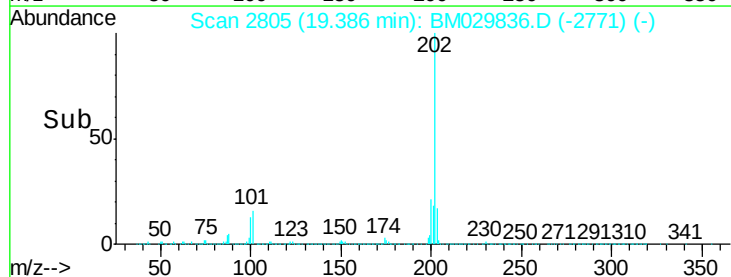
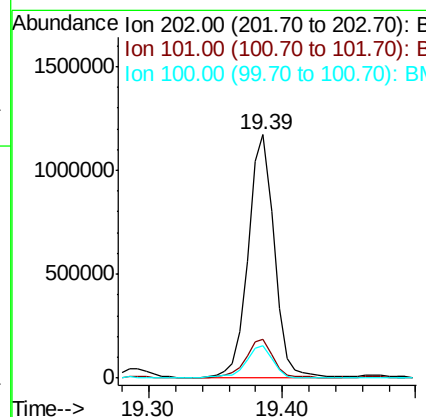
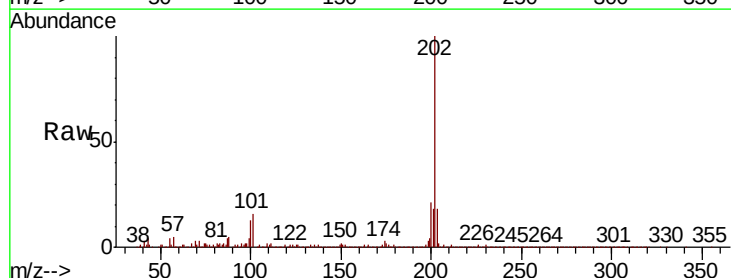
Manual Integrations
APPROVED

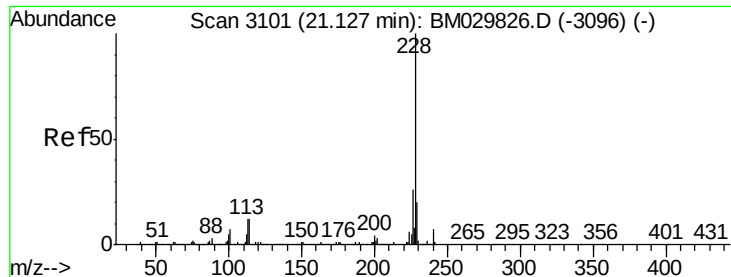
mohammad
5/6/2021 4:49:16 PM



#82
Pyrene
Concen: 43.750 ng/ul
RT: 19.39 min Scan# 2805
Delta R.T. 0.00 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	11.5	17.3
100	13.1	10.0	15.0





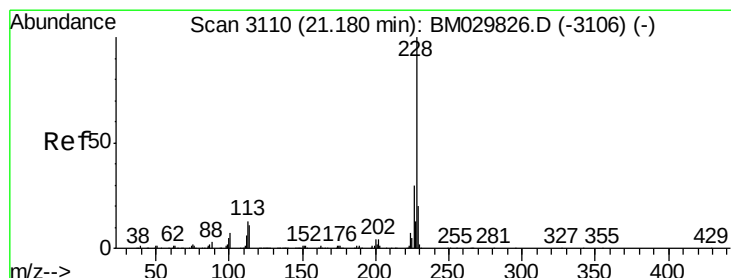
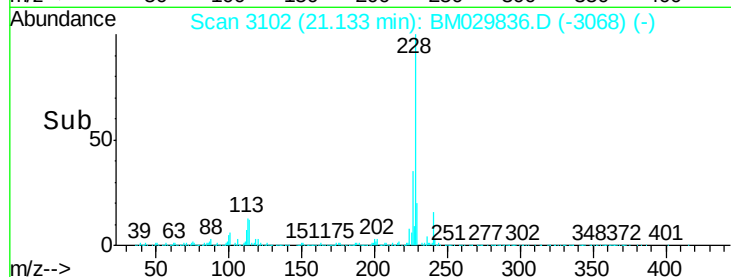
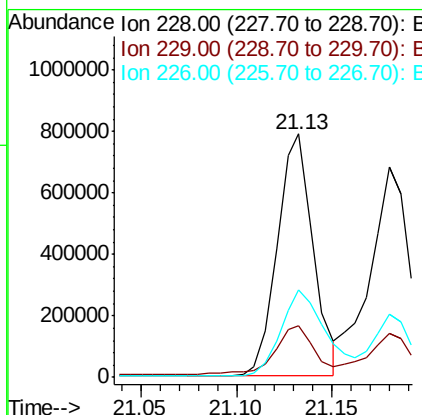
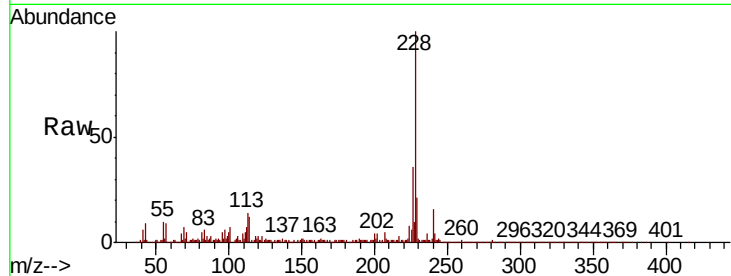
#85
Benzo(a)anthracene
Concen: 29.746 ng/ul m
RT: 21.13 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Instrument :
BNA_M
ClientSampled :
BG595

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.6
226	35.8	21.0	31.6

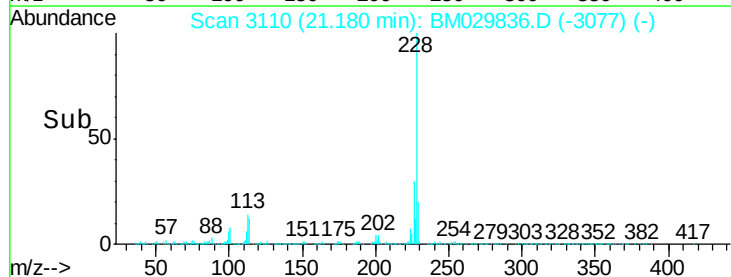
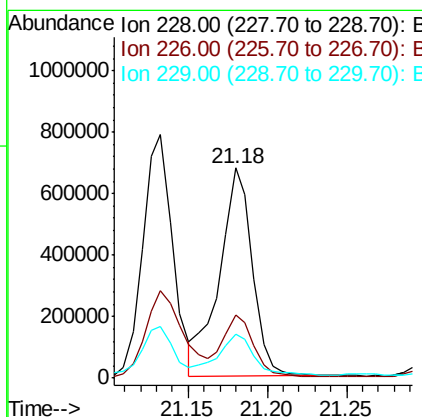
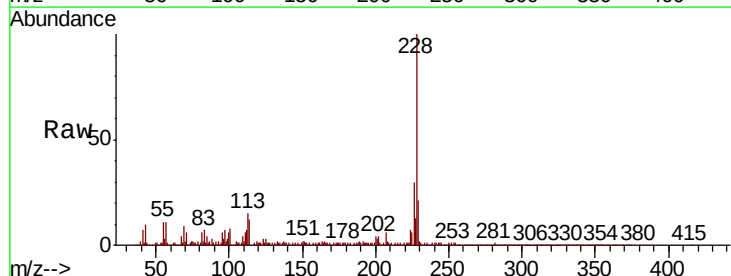
Manual Integrations
APPROVED

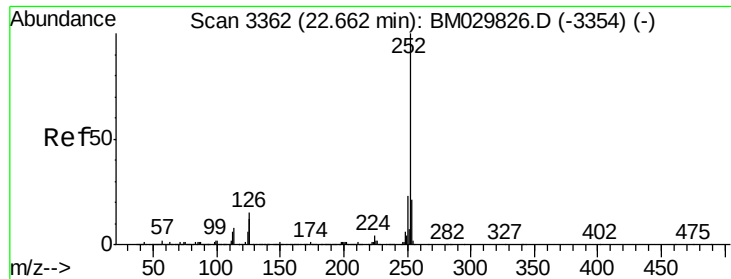
mohammad
5/6/2021 4:49:16 PM



#87
Chrysene
Concen: 27.813 ng/ul
RT: 21.18 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.1	34.7
229	21.0	15.8	23.6





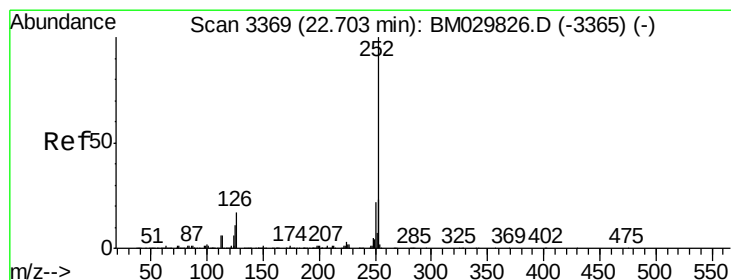
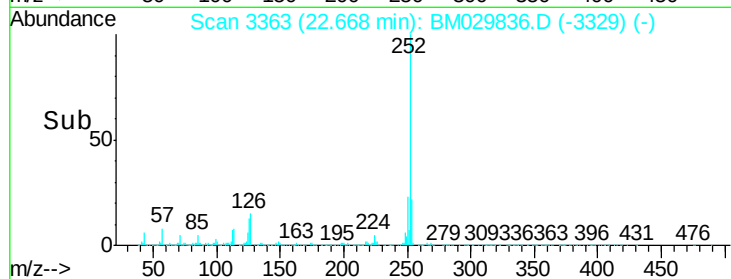
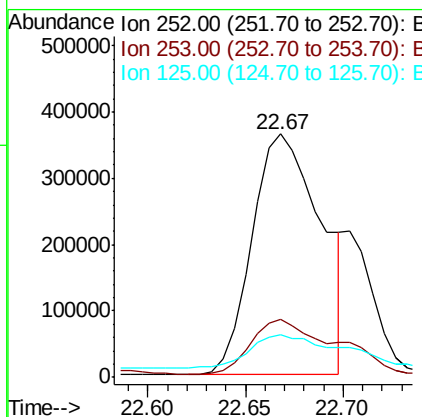
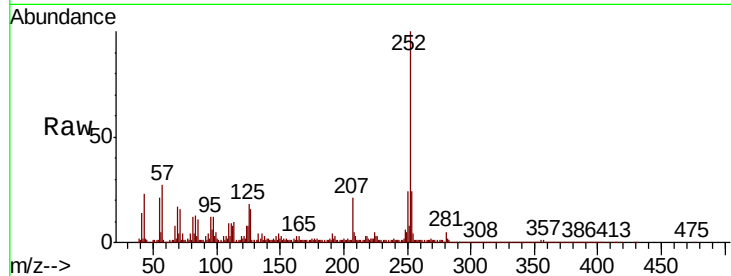
#90
Benzo(b)fluoranthene
Concen: 23.127 ng/ul
RT: 22.67 min Scan# 3363
Delta R.T. 0.00 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Instrument :
BNA_M
ClientSampled :
BG595

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	17.6	9.2	13.8

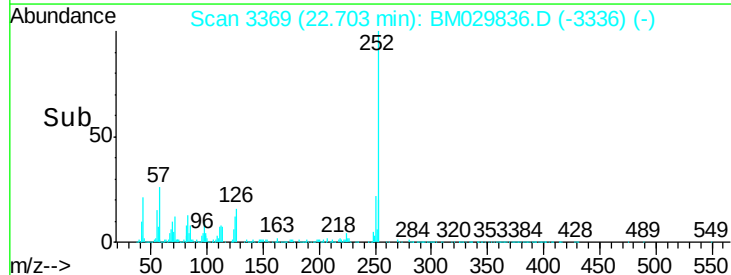
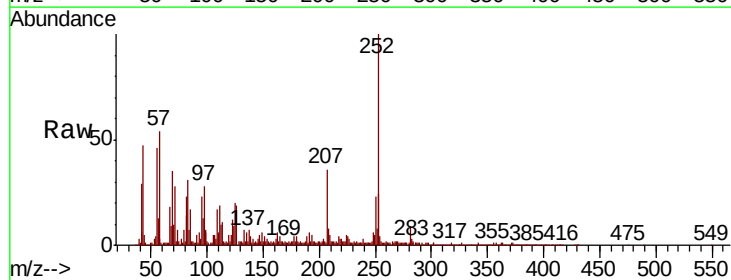
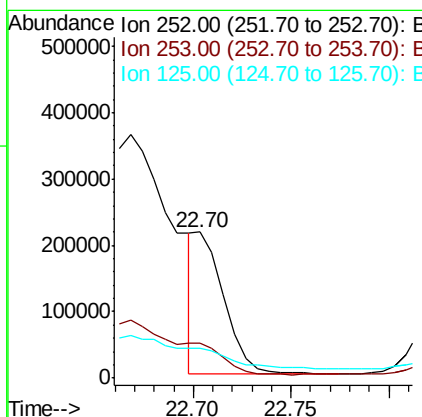
Manual Integrations
APPROVED

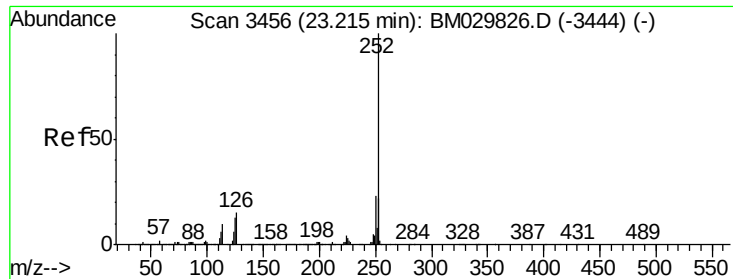
mohammad
5/6/2021 4:49:16 PM



#91
Benzo(k)fluoranthene
Concen: 5.845 ng/ul m
RT: 22.70 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	20.1	8.9	13.3





#93

Benzo(a)pyrene

Concen: 25.375 ng/ul

RT: 23.21 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Instrument :

BNA_M

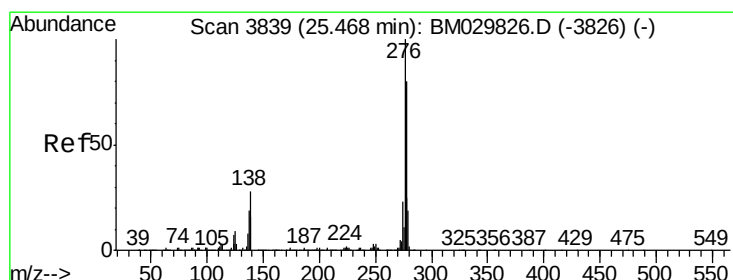
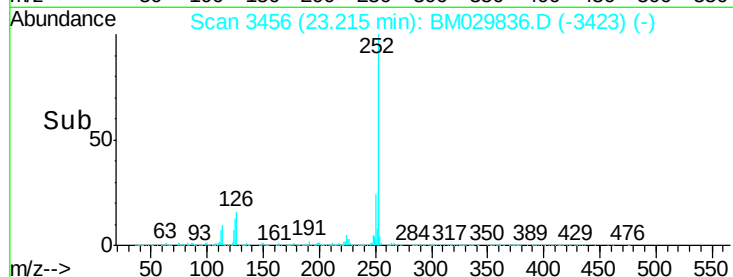
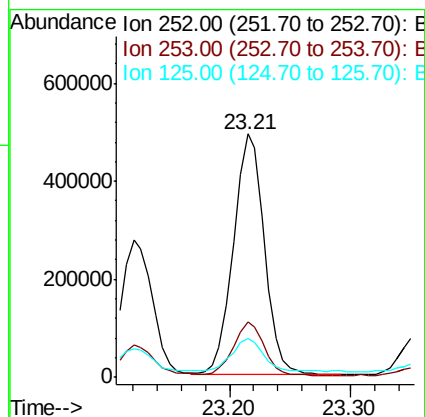
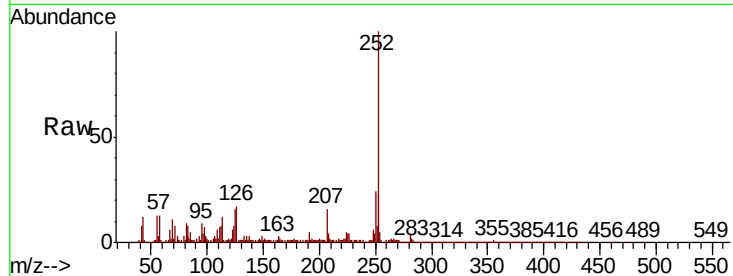
ClientSampled :

BG595

Tot Ion:	252	Resp:	877262
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	15.8	9.6	14.4#

Manual Integrations
APPROVED

mohammad
5/6/2021 4:49:16 PM



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.631 ng/ul

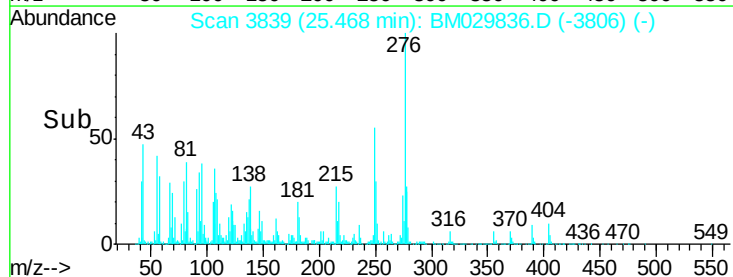
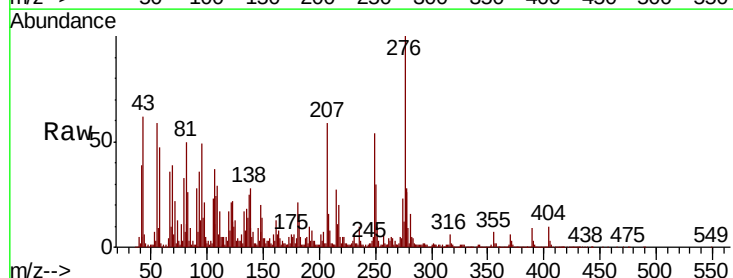
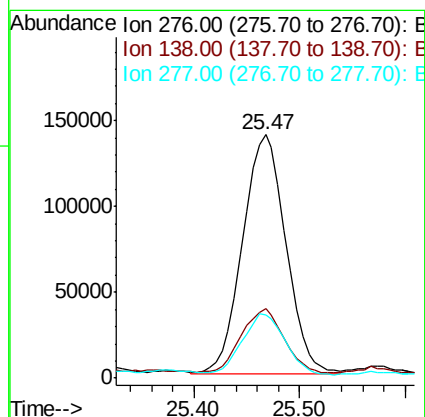
RT: 25.47 min Scan# 3839

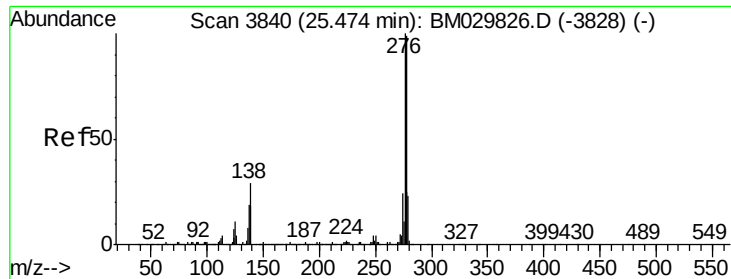
Delta R.T. -0.01 min

Lab File: BM029836.D

Acq: 05 May 2021 20:46

Tgt Ion:	276	Resp:	396123
Ion Ratio	Lower	Upper	
276	100		
138	28.3	20.4	30.6
277	25.9	19.9	29.9





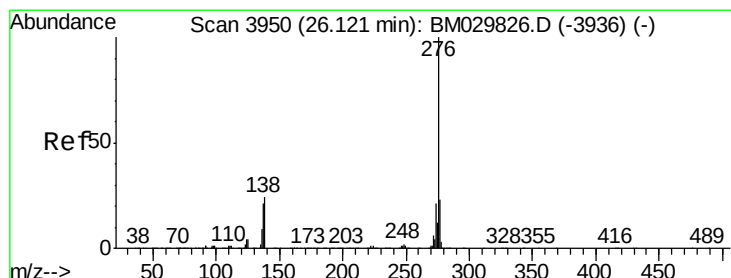
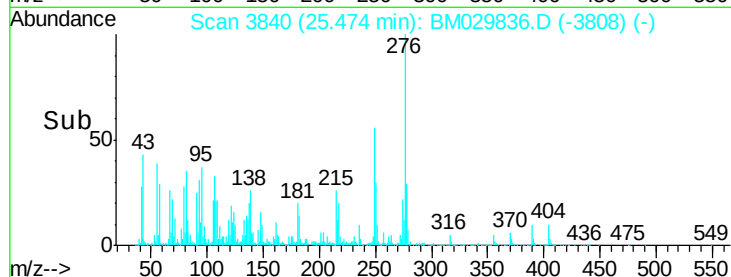
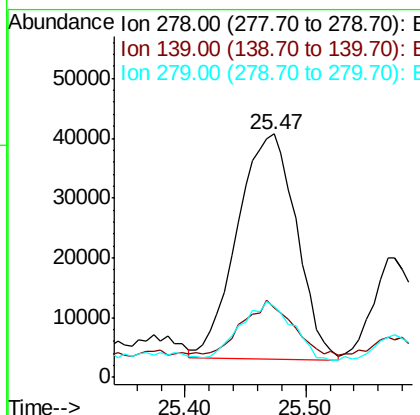
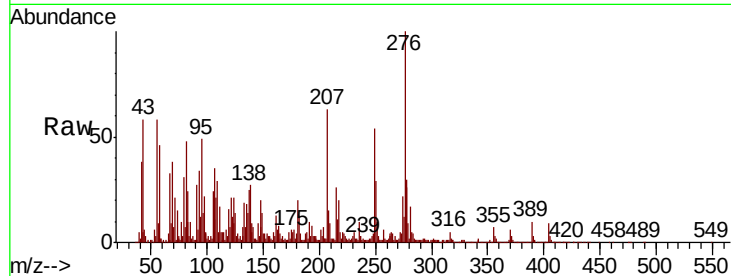
#95
Dibenzo(a,h)anthracene
Concen: 3.333 ng/ul
RT: 25.47 min Scan# 3840
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Instrument :
BNA_M
ClientSampled :
BG595

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.4	13.9	20.9#
279	29.2	18.4	27.6#

Manual Integrations
APPROVED

mohammad
5/6/2021 4:49:16 PM



#96
Benzo(g,h,i)perylene
Concen: 10.333 ng/ul
RT: 26.13 min Scan# 3951
Delta R.T. -0.01 min
Lab File: BM029836.D
Acq: 05 May 2021 20:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	18.2	27.4
277	23.7	18.8	28.2

