

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
 Data File : BM025879.D
 Acq On : 31 Mar 2020 23:27
 Operator : CG/JU
 Sample : L2062-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F3E04

Manual Integrations
 APPROVED

mohammad
 4/1/2020 11:56:30 AM

Quant Time: Apr 01 02:26:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 01 01:28:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	200663	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	824309	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	502517	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	1054808	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	1107695	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	1245518	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	19382	4.05	ng/uL	0.00
5) Phenol-d5	6.75	99	390405	24.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	228744	25.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	329597	25.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	320795	24.65	ng/ul	0.00
19) Nitrobenzene-d5	8.70	128	163556	26.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	179676	27.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	331821	24.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	795691	51.45	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	1035486	27.11	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	1240031	27.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	156077	21.46	ng/ul	0.00
58) Fluorene-d10	15.20	176	919467	27.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.32	200	141698	22.02	ng/ul	0.00
71) Anthracene-d10	17.04	188	1462942	29.69	ng/ul	0.00
79) Pyrene-d10	19.34	212	1633526	30.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	1995023	31.29	ng/ul	0.00

Target Compounds

					Ovalue	
45) Dimethylphthalate	13.66	163	238923	6.010	ng/ul	98
48) Acenaphthylene	13.92	152	79159	1.597	ng/ul	98
70) Phenanthrene	16.99	178	103256	1.663	ng/ul	98
72) Anthracene	17.07	178	229802	3.632	ng/ul	98
75) Carbazole	17.34	167	124090	2.244	ng/ul	99
77) Fluoranthene	19.01	202	845613	11.554	ng/ul	99
80) Pyrene	19.37	202	1217899	16.371	ng/ul	99
83) Benzo(a)anthracene	21.13	228	785809	10.760	ng/ul	94
85) Chrysene	21.17	228	1421763	19.843	ng/ul	98
88) Benzo(b)fluoranthene	22.66	252	2238500	28.805	ng/ul	98
89) Benzo(k)fluoranthene	22.69	252	734031	9.588	ng/ul	99
91) Benzo(a)pyrene	23.20	252	916379	12.957	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.40	276	474008	5.075	ng/ul	98
93) Dibenzo(a,h)anthracene	25.41	278	131156m	1.658	ng/ul	
94) Benzo(g,h,i)perylene	26.04	276	263535	3.424	ng/ul	98

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

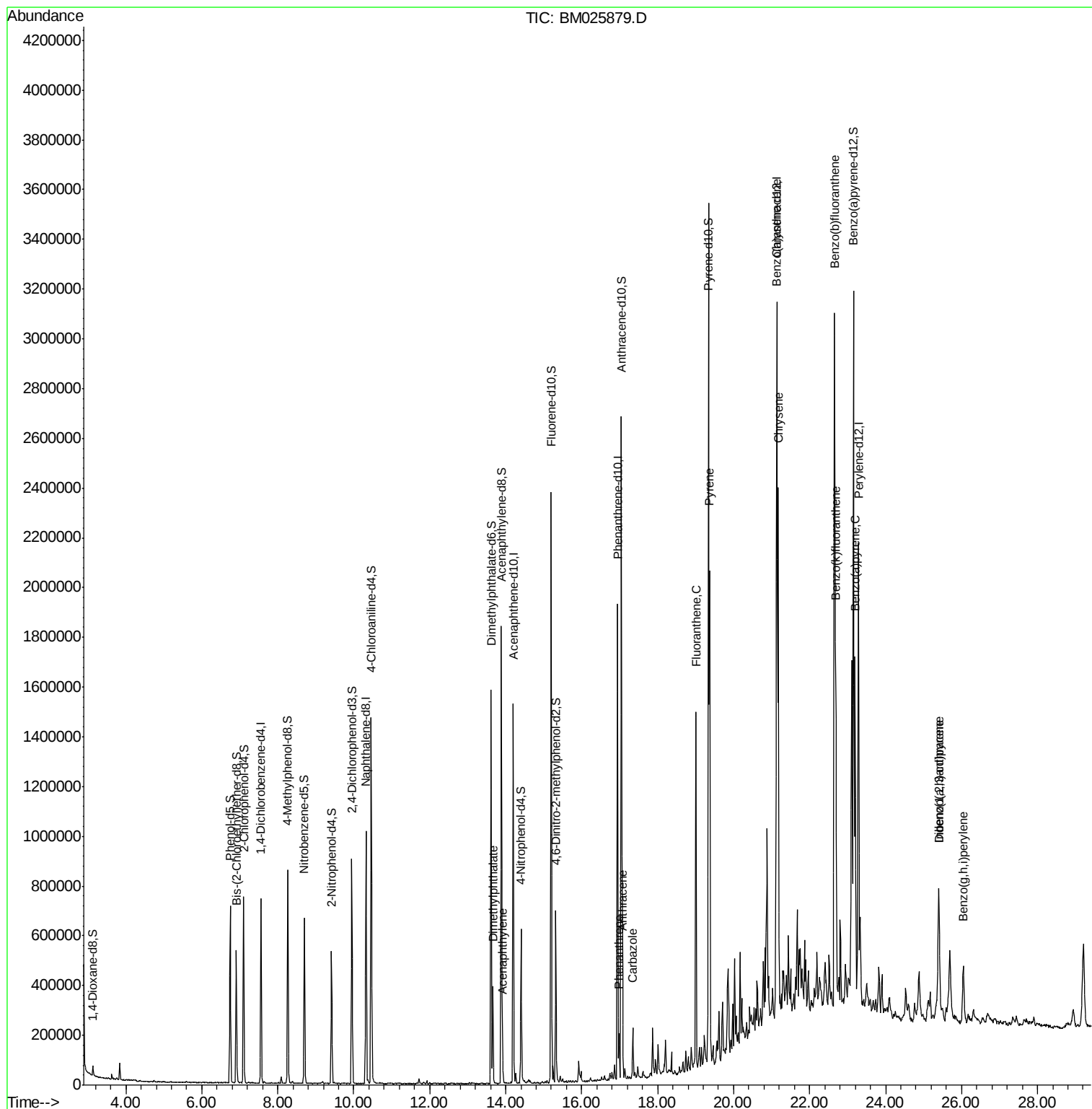
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\
Data File : BM025879.D
Acq On : 31 Mar 2020 23:27
Operator : CG/JU
Sample : L2062-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

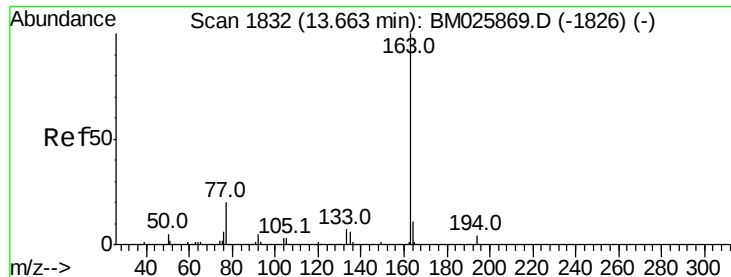
Instrument :
BNA_M
ClientSampleId :
F3E04

Quant Time: Apr 01 02:26:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 01 01:28:55 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
4/1/2020 11:56:30 AM





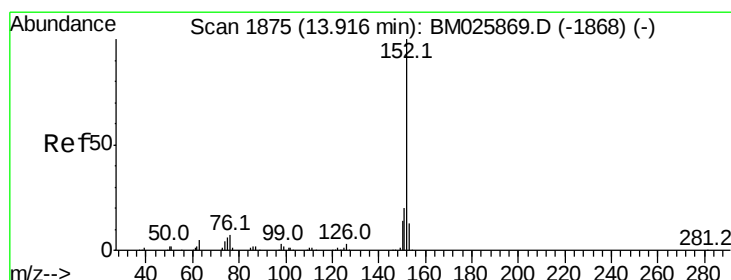
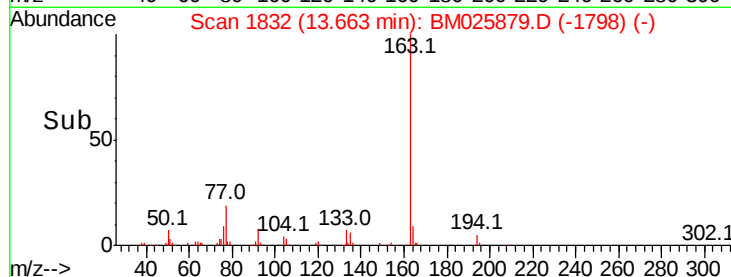
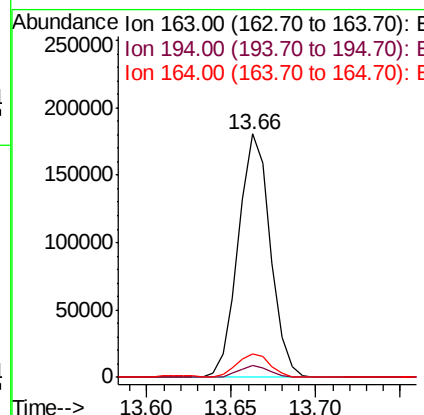
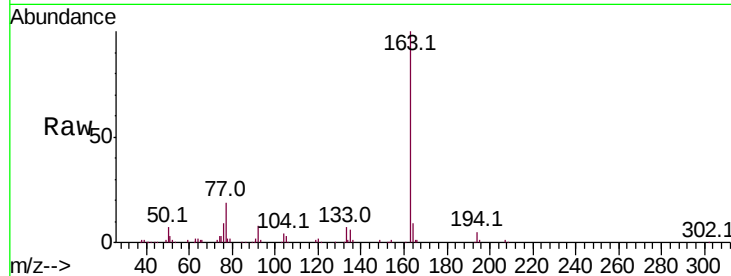
#45
Dimethylphthalate
Concen: 6.010 ng/ul
RT: 13.66 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BM025879.D
Acq: 31 Mar 2020 23:27

Instrument :
BNA_M
ClientSampleId :
F3E04

Tot Ion	Ratio	Resp	Lower	Upper
163	100	238923		
194	5.1		3.5	5.3
164	9.4		8.2	12.4

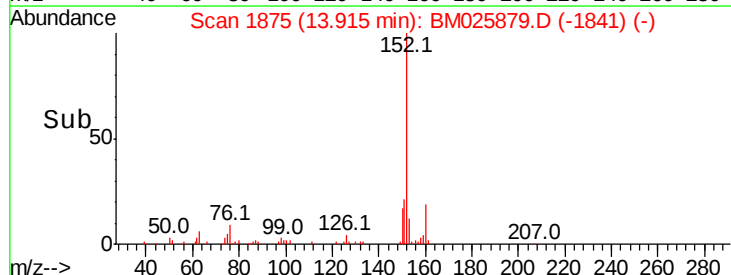
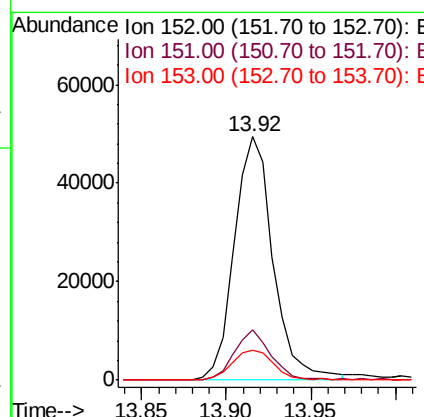
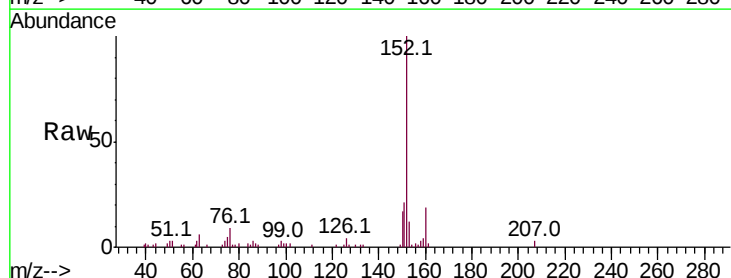
Manual Integrations
APPROVED

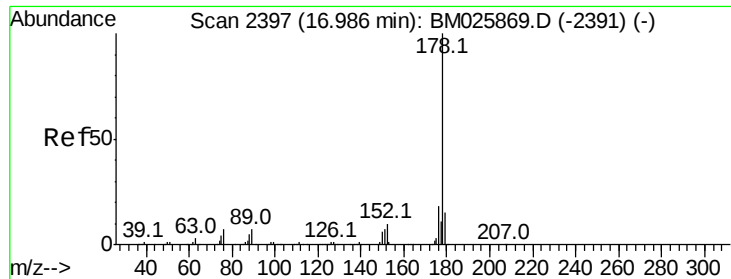
mohammad
4/1/2020 11:56:30 AM



#48
Acenaphthylene
Concen: 1.597 ng/ul
RT: 13.92 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BM025879.D
Acq: 31 Mar 2020 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	79159		
151	20.7		15.8	23.6
153	12.3		10.6	16.0





#70

Phenanthrene

Concen: 1.663 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BM025879.D

Acq: 31 Mar 2020 23:27

Instrument :

BNA_M

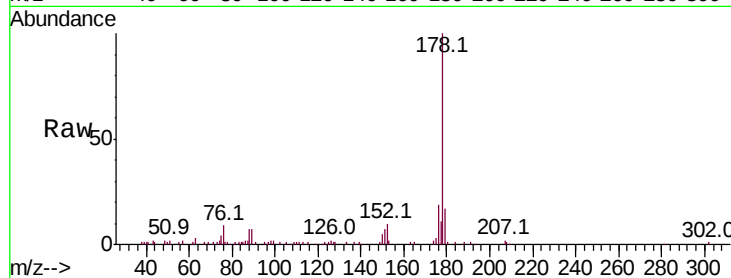
ClientSampleId :

F3E04

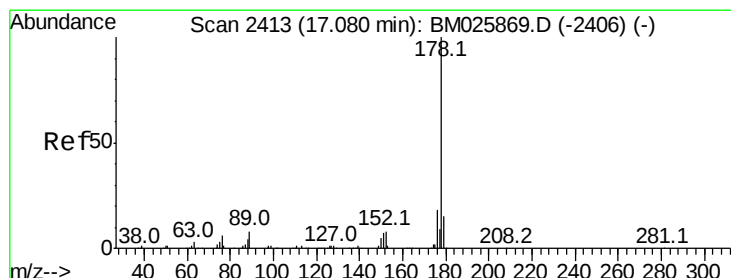
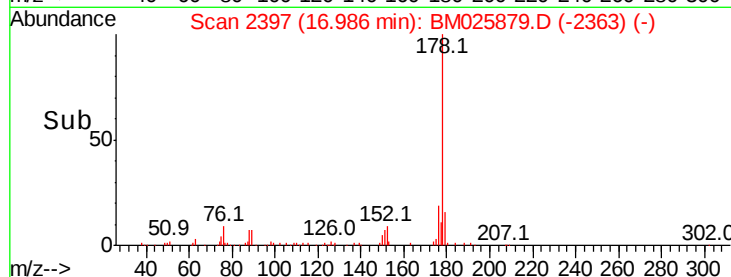
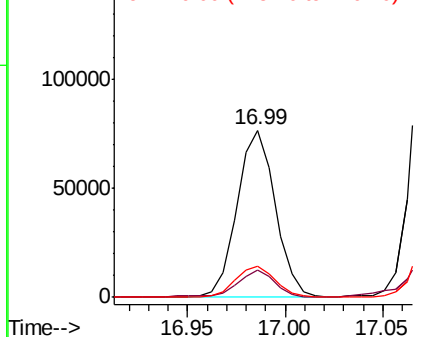
Tot Ion:	178	Resp:	103256
Ion Ratio	Lower	Upper	
178	100		
179	16.7	12.2	18.4
176	18.7	15.3	22.9

Manual Integrations
APPROVED

mohammad
4/1/2020 11:56:30 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



#72

Anthracene

Concen: 3.632 ng/ul

RT: 17.07 min Scan# 2412

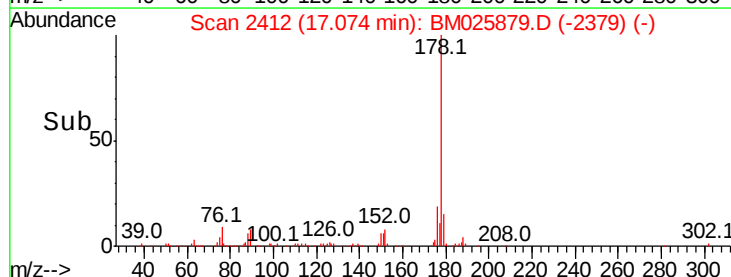
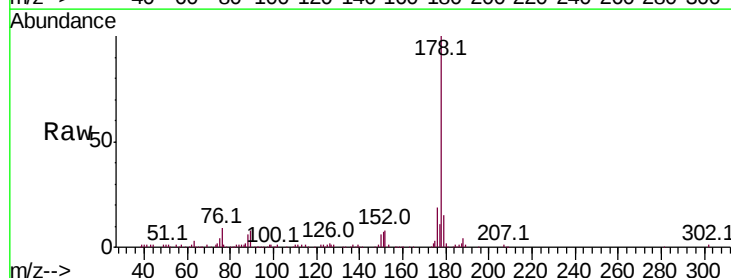
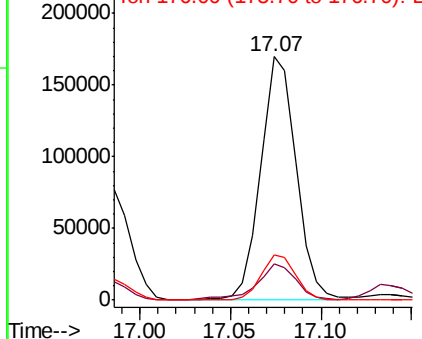
Delta R.T. -0.01 min

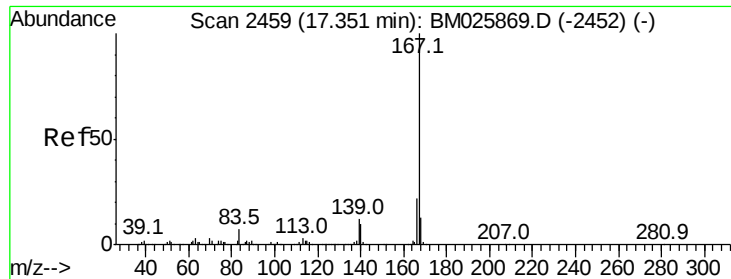
Lab File: BM025879.D

Acq: 31 Mar 2020 23:27

Tgt Ion:	178	Resp:	229802
Ion Ratio	Lower	Upper	
178	100		
179	14.6	12.5	18.7
176	18.7	14.5	21.7

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





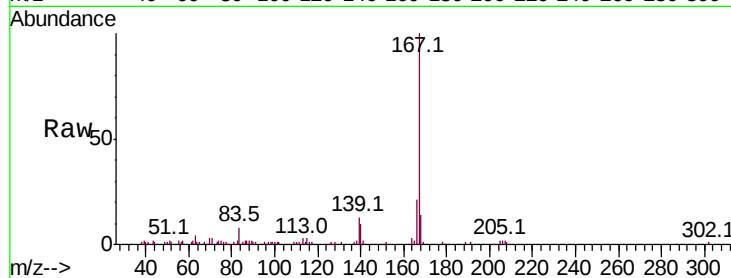
#75
 Carbazole
 Concen: 2.244 ng/ul
 RT: 17.34 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BM025879.D
 Acq: 31 Mar 2020 23:27

Instrument :
 BNA_M
 ClientSampleId :
 F3E04

Tot Ion	Ratio	Resp	Lower	Upper
167	100	124090		
166	21.0		16.7	25.1
139	13.2		9.8	14.8

Manual Integrations
 APPROVED

mohammad
 4/1/2020 11:56:30 AM

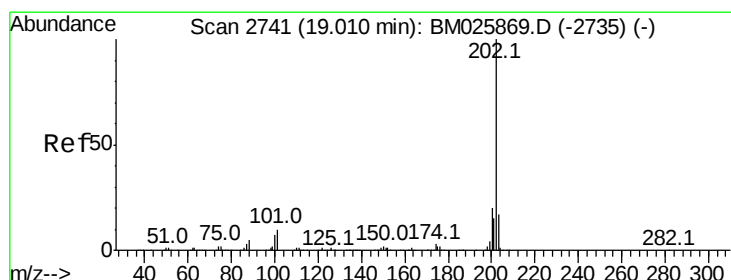
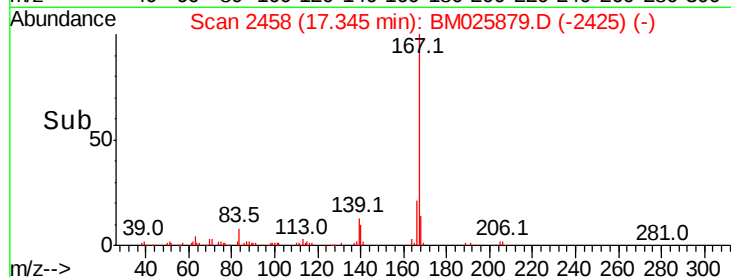
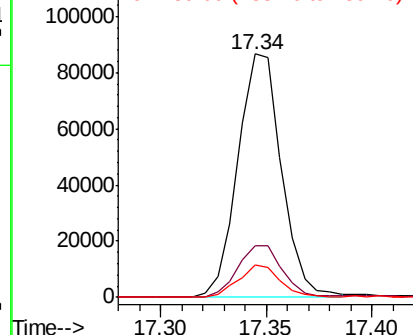


Abundance

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: 11.554 ng/ul
 RT: 19.01 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BM025879.D
 Acq: 31 Mar 2020 23:27

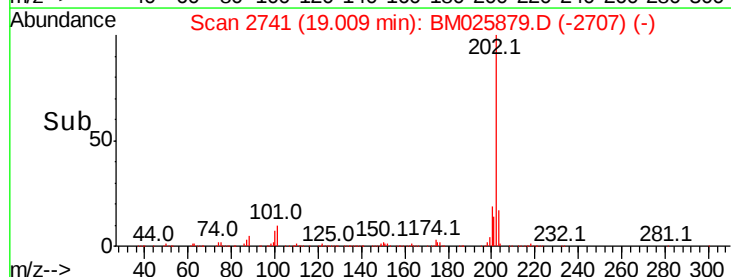
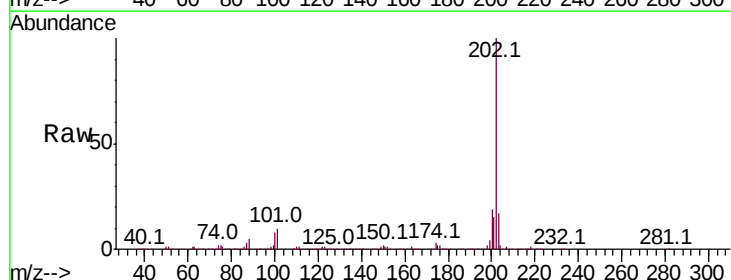
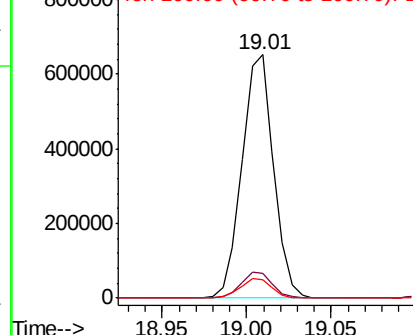
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	845613		
101	10.0		8.2	12.4
100	7.5		6.5	9.7

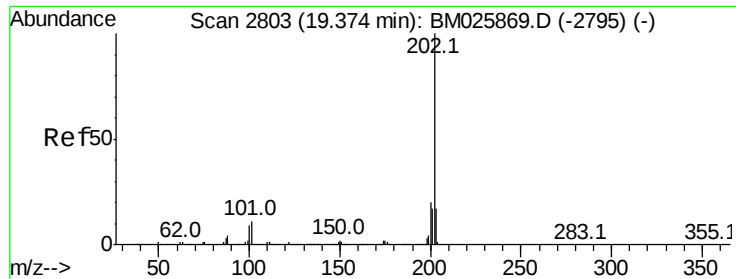
Abundance

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): E





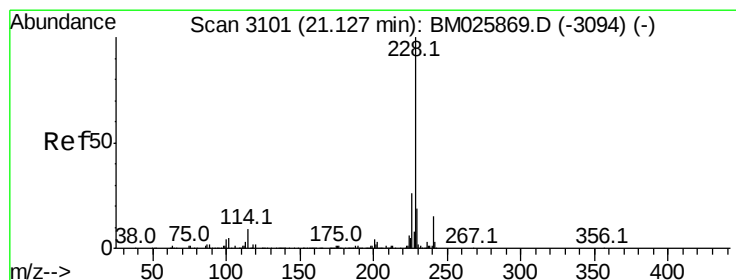
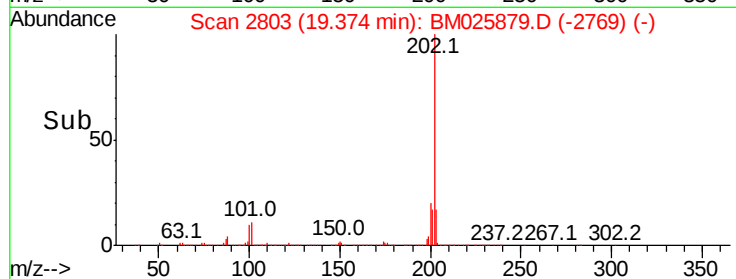
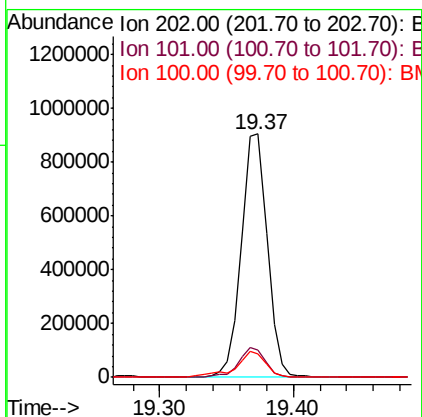
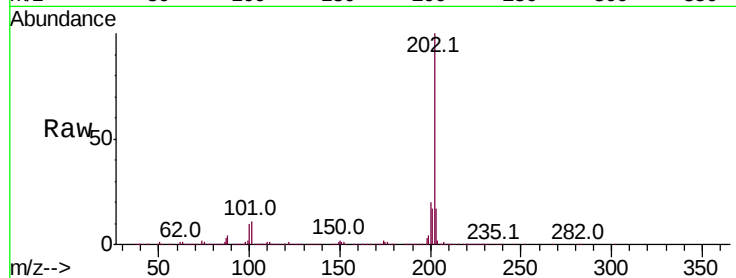
#80
Pvrene
Concen: 16.371 ng/ul
RT: 19.37 min Scan# 2803
Delta R.T. -0.00 min
Lab File: BM025879.D
Acq: 31 Mar 2020 23:27

Instrument :
BNA_M
ClientSampleId :
F3E04

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	9.5	7.5	11.3

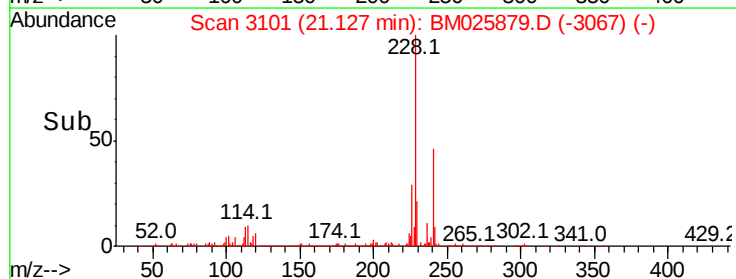
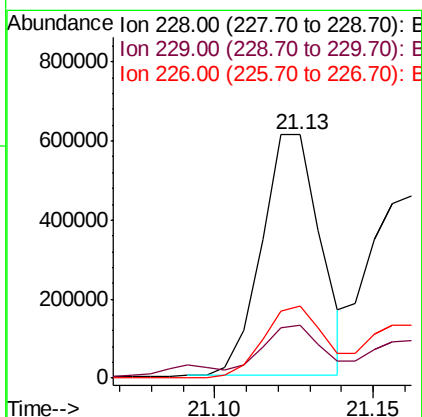
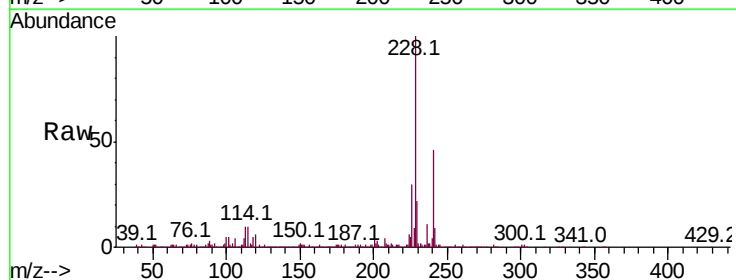
Manual Integrations
APPROVED

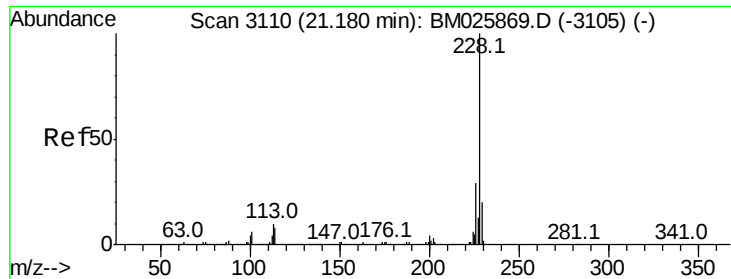
mohammad
4/1/2020 11:56:30 AM



#83
Benzo(a)anthracene
Concen: 10.760 ng/ul
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BM025879.D
Acq: 31 Mar 2020 23:27

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.5	23.3
226	29.6	21.0	31.6





#85

Chrysene

Concen: 19.843 ng/ul

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM025879.D

Acq: 31 Mar 2020 23:27

Instrument :

BNA_M

ClientSampleId :

F3E04

Tot Ion:228 Resp: 1421763

Ion Ratio Lower Upper

228 100

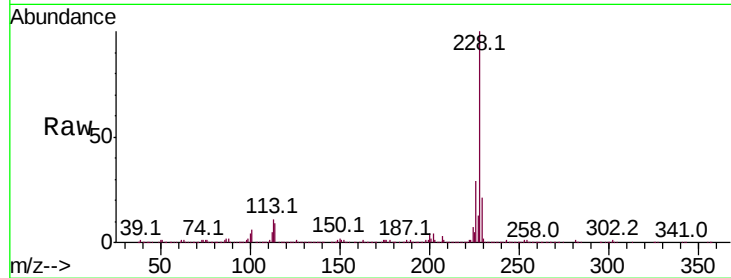
226 29.1 23.4 35.0

229 21.3 15.6 23.4

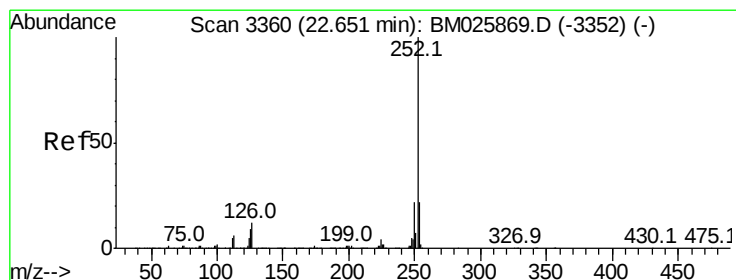
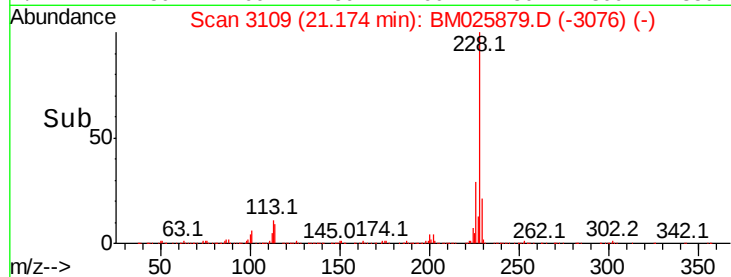
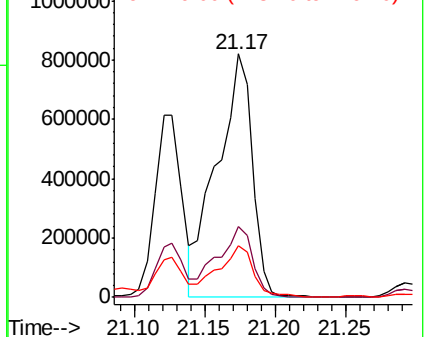
Manual Integrations
APPROVED

mohammad

4/1/2020 11:56:30 AM



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: 28.805 ng/ul

RT: 22.66 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BM025879.D

Acq: 31 Mar 2020 23:27

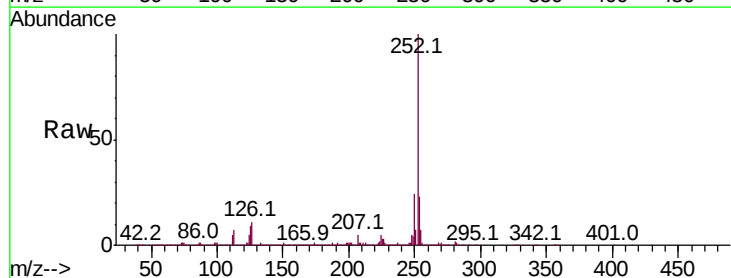
Tgt Ion:252 Resp: 2238500

Ion Ratio Lower Upper

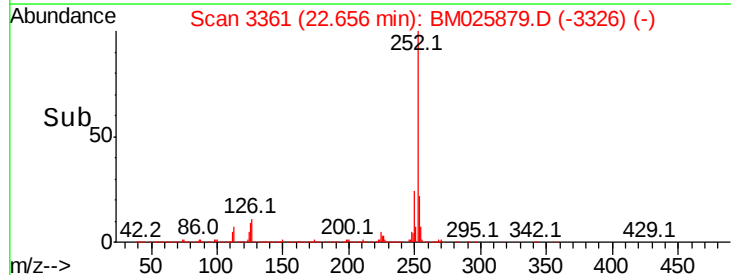
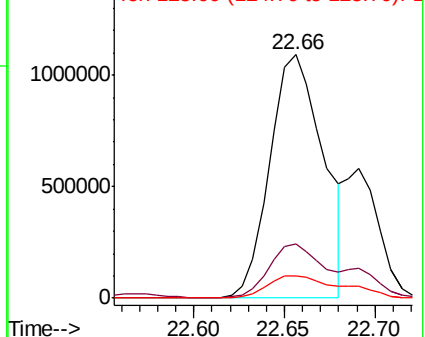
252 100

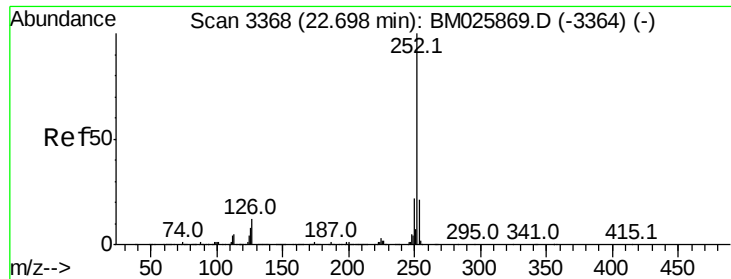
253 22.5 17.5 26.3

125 9.3 6.7 10.1



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





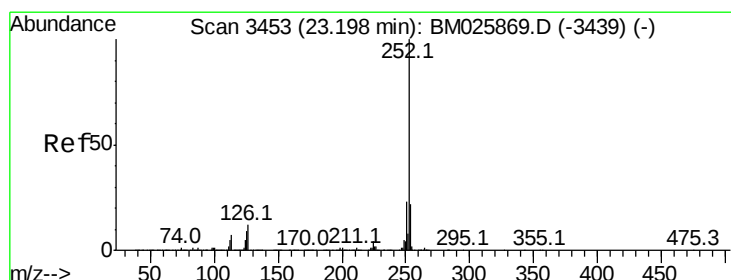
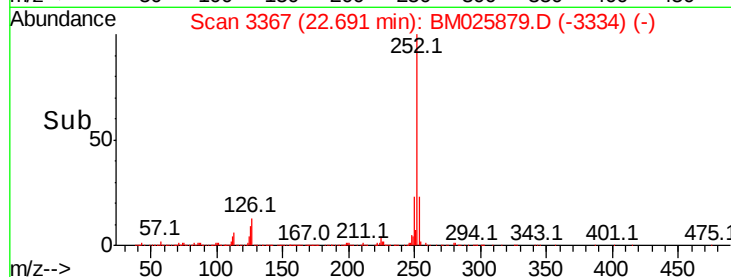
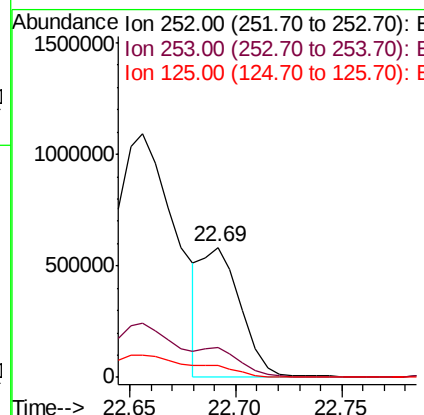
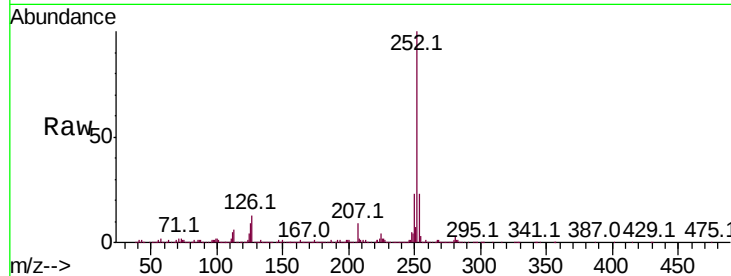
#89
Benzo(k)fluoranthene
Concen: 9.588 ng/ul
RT: 22.69 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BM025879.D
Acq: 31 Mar 2020 23:27

Instrument :
BNA_M
ClientSampleId :
F3E04

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	8.9	6.9	10.3

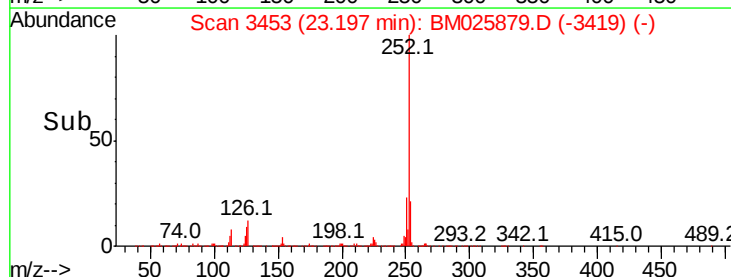
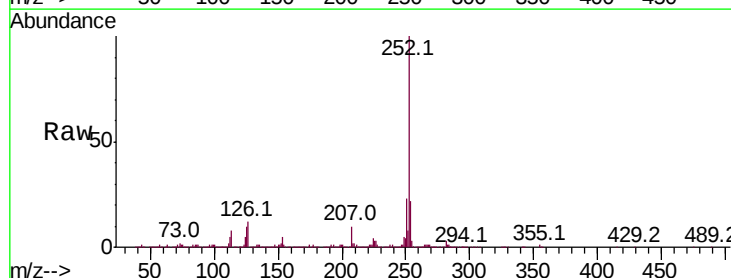
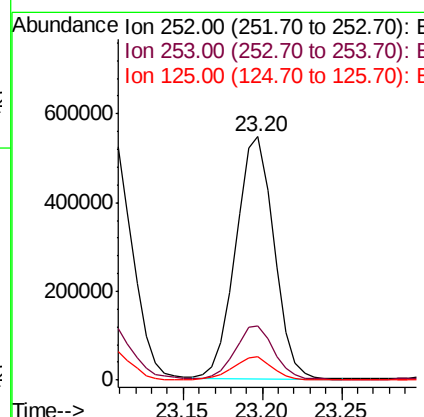
Manual Integrations
APPROVED

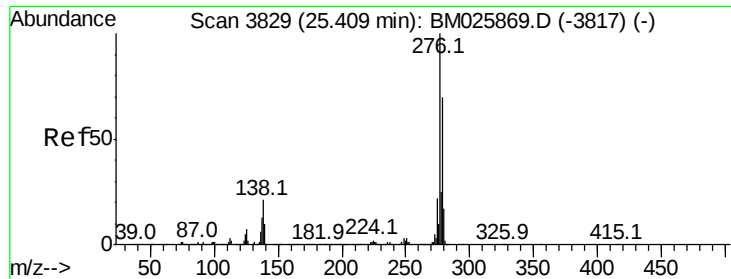
mohammad
4/1/2020 11:56:30 AM



#91
Benzo(a)pyrene
Concen: 12.957 ng/ul
RT: 23.20 min Scan# 3453
Delta R.T. -0.00 min
Lab File: BM025879.D
Acq: 31 Mar 2020 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	9.6	7.1	10.7





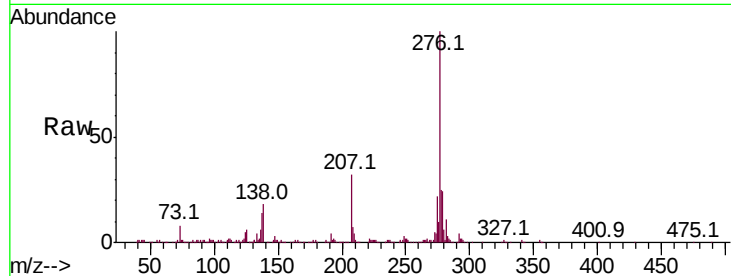
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 5.075 ng/ul
 RT: 25.40 min Scan# 3828
 Delta R.T. -0.01 min
 Lab File: BM025879.D
 Acq: 31 Mar 2020 23:27

Instrument :
 BNA_M
 ClientSampleId :
 F3E04

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.5	24.7
277	24.6	19.7	29.5

Manual Integrations
 APPROVED

mohammad
 4/1/2020 11:56:30 AM

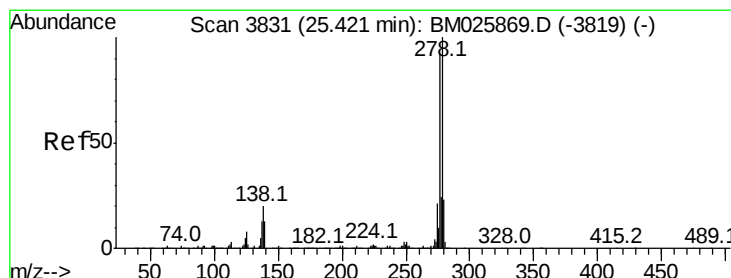
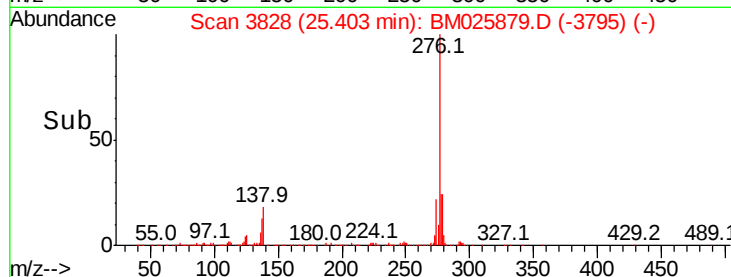
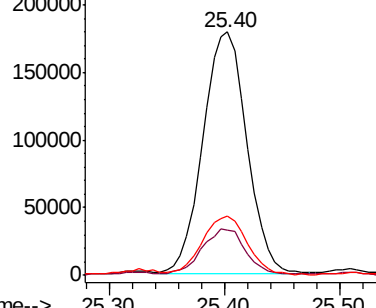


Abundance

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: 1.658 ng/ul m
 RT: 25.41 min Scan# 3829
 Delta R.T. -0.01 min
 Lab File: BM025879.D
 Acq: 31 Mar 2020 23:27

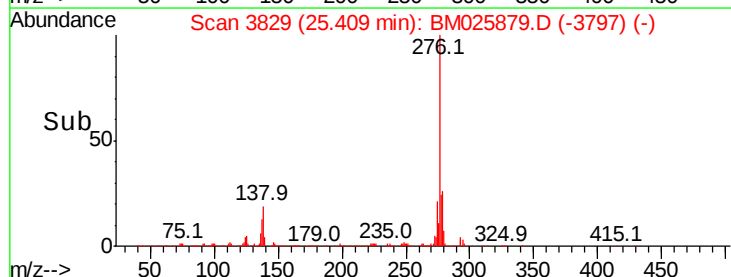
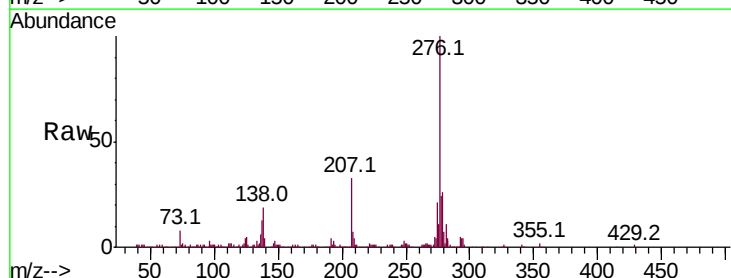
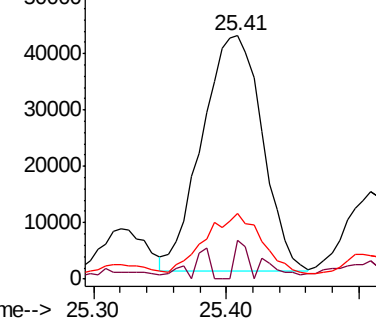
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.0	10.4	15.6#
279	27.2	18.6	28.0

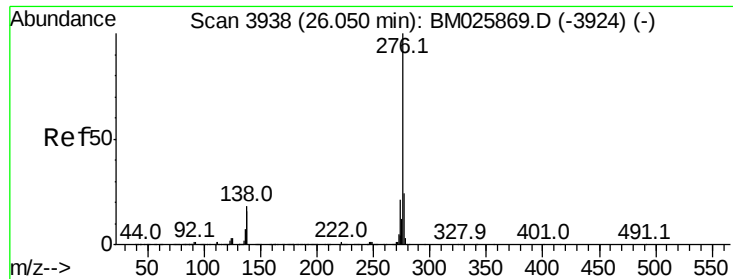
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 3.424 ng/ul

RT: 26.04 min Scan# 3937

Delta R.T. -0.01 min

Lab File: BM025879.D

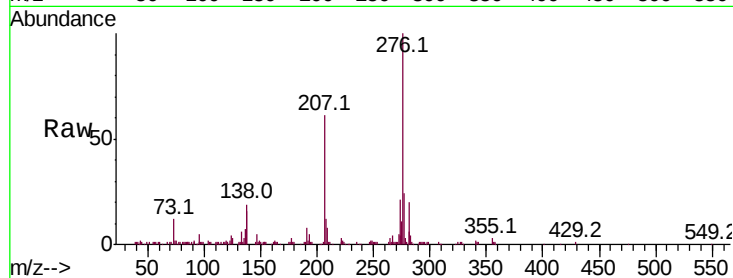
Acq: 31 Mar 2020 23:27

Instrument :

BNA_M

ClientSampleId :

F3E04



Tot Ion:	276	Resp:	263535
Ion Ratio	Lower	Upper	
276	100		
138	19.1	13.2	19.8
277	23.7	19.0	28.4

Manual Integrations
APPROVED

mohammad
4/1/2020 11:56:30 AM

