

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\
 Data File : BM025757.D
 Acq On : 25 Mar 2020 08:43
 Operator : CG/JU
 Sample : L1938-19
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB793

Manual Integrations
 APPROVED

mohammad
 3/27/2020 8:14:15 AM

Quant Time: Mar 25 12:51:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 25 07:24:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	226037	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	914747	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.20	164	576090	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.95	188	1261756	20.00	ng/ul	-0.01
78) Chrysene-d12	21.14	240	1382794	20.00	ng/ul	-0.01
86) Perylene-d12	23.30	264	1572622	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.14	96	28179	5.23	ng/uL	0.00
5) Phenol-d5	6.75	99	486819	27.29	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	285460	28.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	412930	28.52	ng/ul	-0.01
13) 4-Methylphenol-d8	8.27	113	404808	27.62	ng/ul	-0.01
19) Nitrobenzene-d5	8.71	128	209603	30.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	220434	30.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	415463	28.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	570800	33.26	ng/ul	-0.01
44) Dimethylphthalate-d6	13.63	166	1291974	29.51	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	1586774	30.25	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.42	143	206345	24.75	ng/ul	0.00
58) Fluorene-d10	15.20	176	1152291	29.98	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.33	200	169007	21.95	ng/ul	-0.01
71) Anthracene-d10	17.05	188	1738556	29.50	ng/ul	0.00
79) Pyrene-d10	19.35	212	1960878	29.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	2465720	30.62	ng/ul	-0.01

Target Compounds					Ovalue	
70) Phenanthrene	16.99	178	372203	5.012	ng/ul	98
77) Fluoranthene	19.02	202	594753	6.794	ng/ul	99
80) Pyrene	19.38	202	537969	5.793	ng/ul	100
83) Benzo(a)anthracene	21.13	228	285137	3.128	ng/ul	99
85) Chrysene	21.18	228	295171	3.300	ng/ul	99
88) Benzo(b)fluoranthene	22.66	252	405598	4.134	ng/ul	97
89) Benzo(k)fluoranthene	22.70	252	157678m	1.631	ng/ul	
91) Benzo(a)pyrene	23.20	252	262482	2.939	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.41	276	214087	1.815	ng/ul	96
94) Benzo(g,h,i)perylene	26.06	276	145982	1.502	ng/ul	96

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

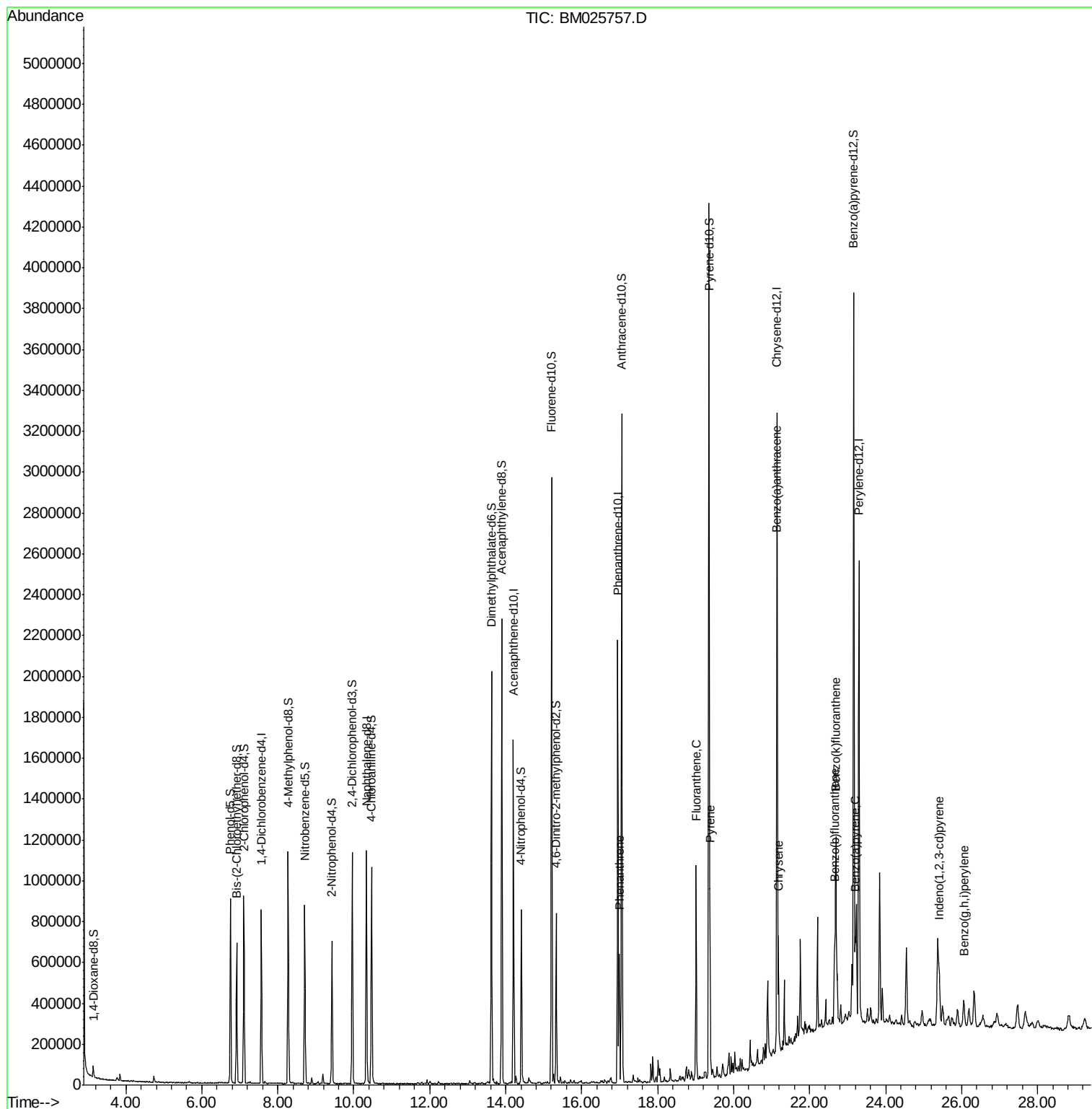
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\
Data File : BM025757.D
Acq On : 25 Mar 2020 08:43
Operator : CG/JU
Sample : L1938-19
Misc :
ALS Vial : 38 Sample Multiplier: 1

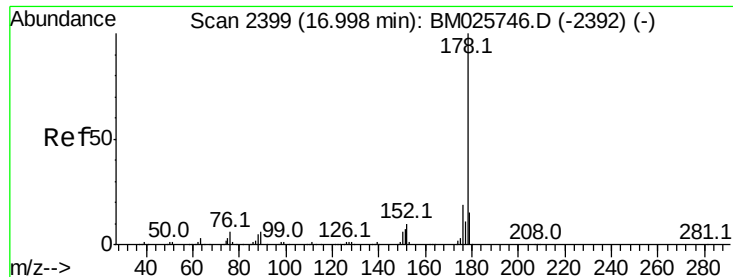
Instrument :
BNA_M
ClientSampleId :
CB793

Manual Integrations
APPROVED

mohammad
3/27/2020 8:14:15 AM

Quant Time: Mar 25 12:51:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 25 07:24:39 2020
Response via : Initial Calibration





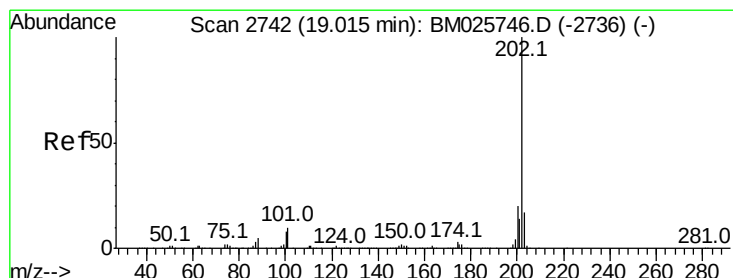
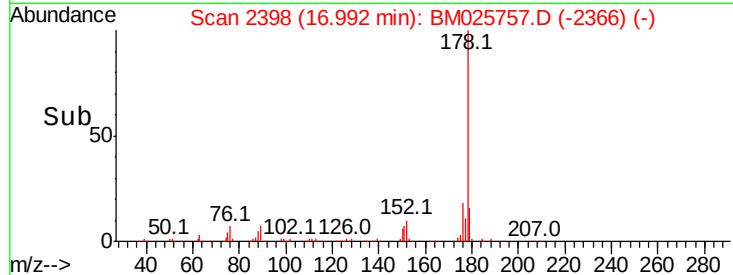
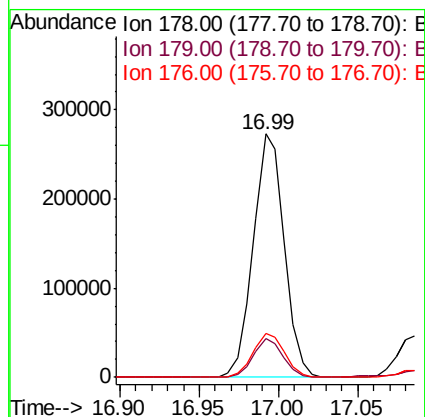
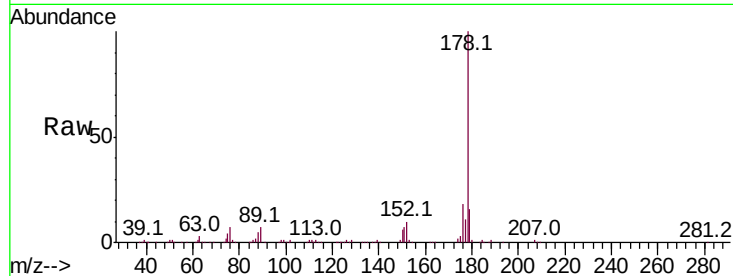
#70
Phenanthrene
Concen: 5.012 ng/ul
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Instrument :
BNA_M
ClientSampled :
CB793

Tot Ion:	178	Resp:	372203
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.2	18.4
176	17.8	15.3	22.9

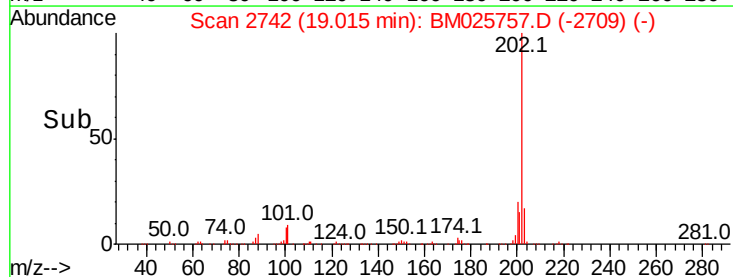
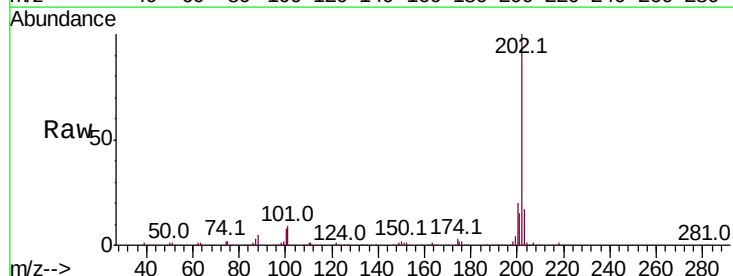
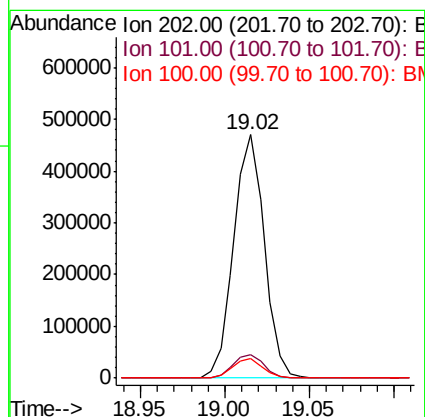
Manual Integrations
APPROVED

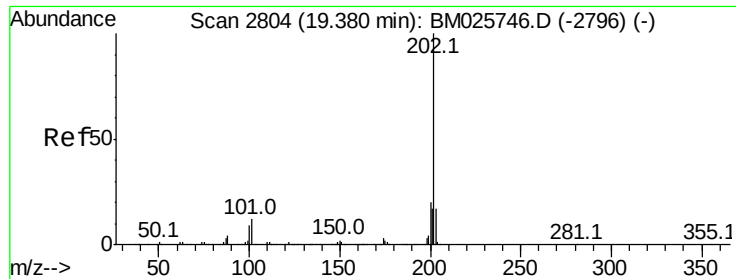
mohammad
3/27/2020 8:14:15 AM



#77
Fluoranthene
Concen: 6.794 ng/ul
RT: 19.02 min Scan# 2742
Delta R.T. -0.01 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Tgt Ion:	202	Resp:	594753
Ion Ratio	Lower	Upper	
202	100		
101	9.5	8.2	12.4
100	7.9	6.5	9.7





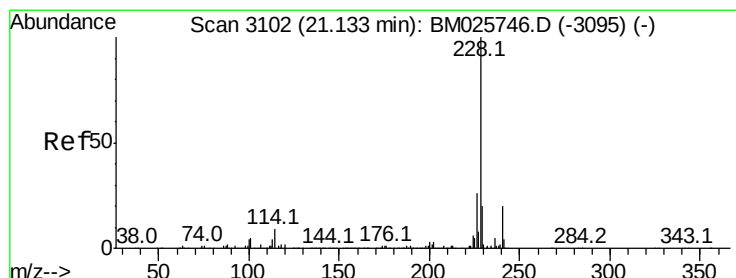
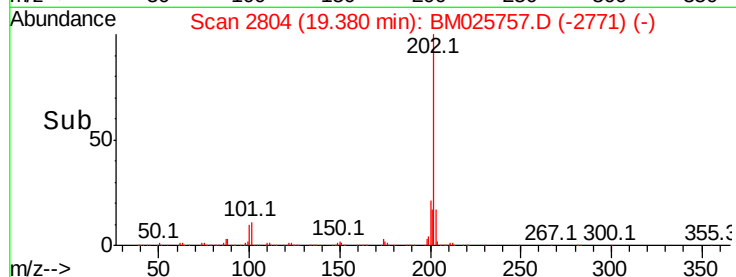
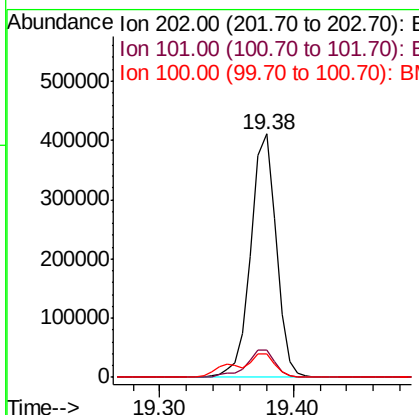
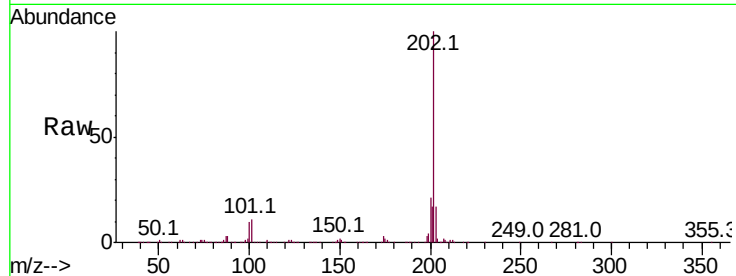
#80
Pvrene
Concen: 5.793 ng/ul
RT: 19.38 min Scan# 2804
Delta R.T. -0.01 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Instrument :
BNA_M
ClientSampled :
CB793

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

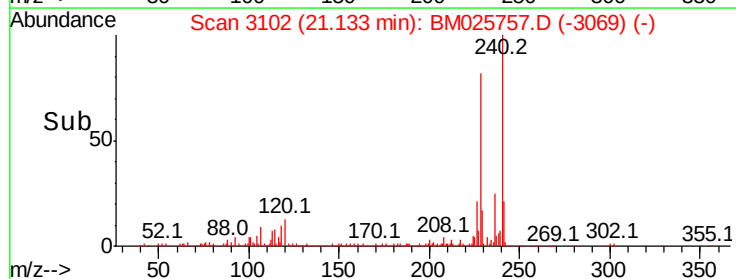
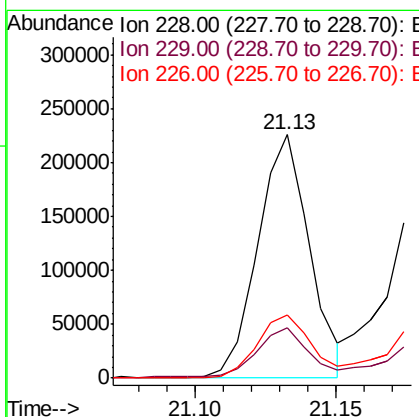
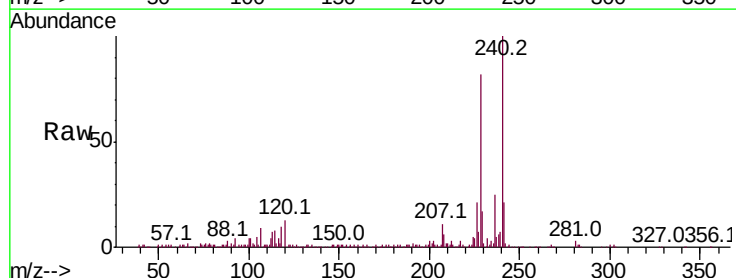
Manual Integrations
APPROVED

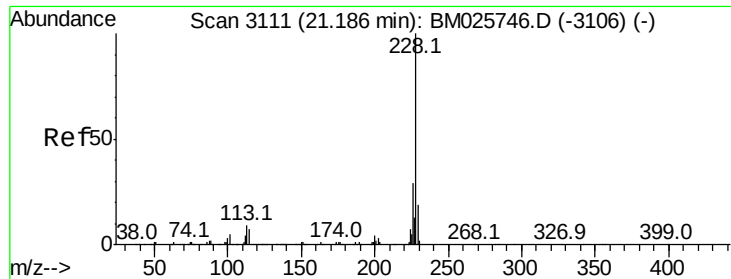
mohammad
3/27/2020 8:14:15 AM



#83
Benzo(a)anthracene
Concen: 3.128 ng/ul
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.6	15.5	23.3
226	26.1	21.0	31.6





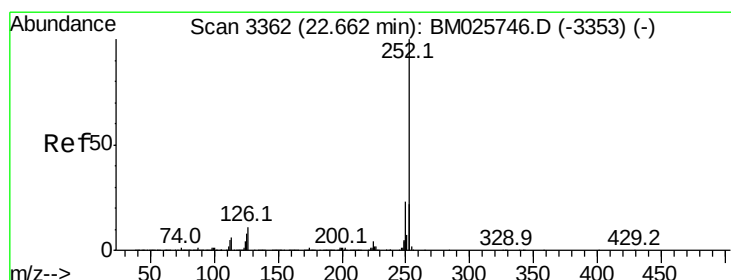
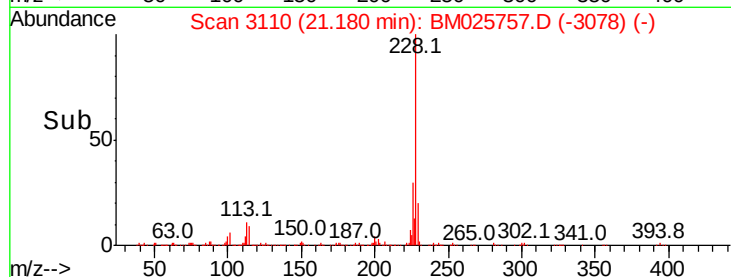
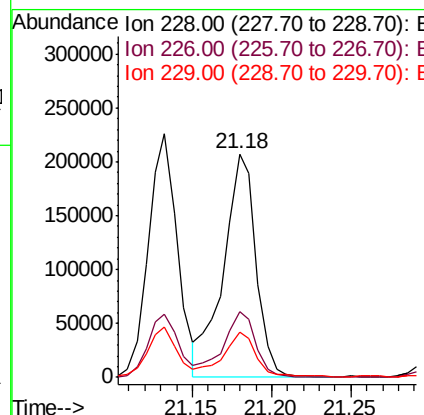
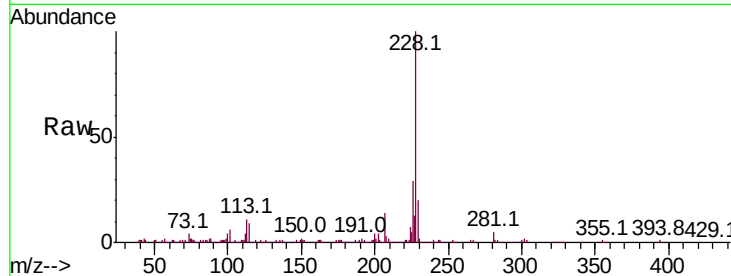
#85
Chrysene
Concen: 3.300 ng/ul
RT: 21.18 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Instrument :
BNA_M
ClientSampleId :
CB793

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.0
229	20.0	15.6	23.4

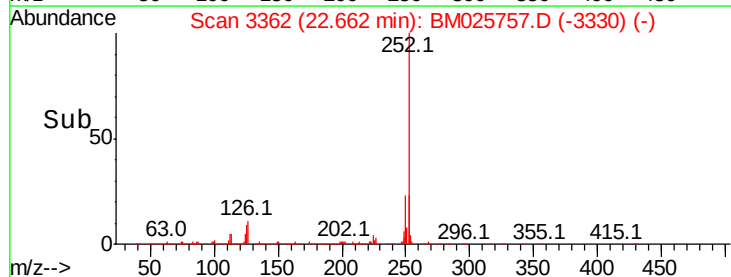
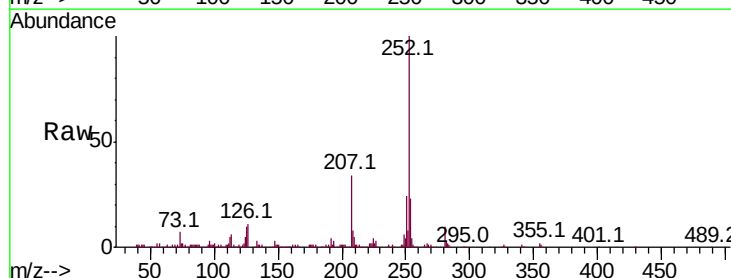
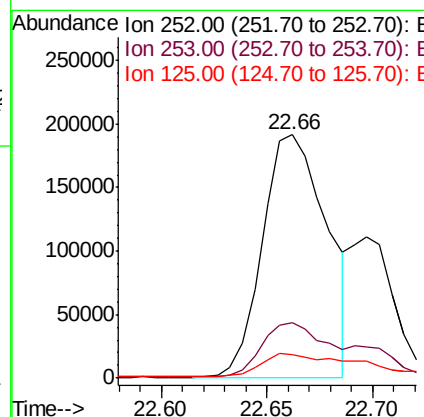
Manual Integrations
APPROVED

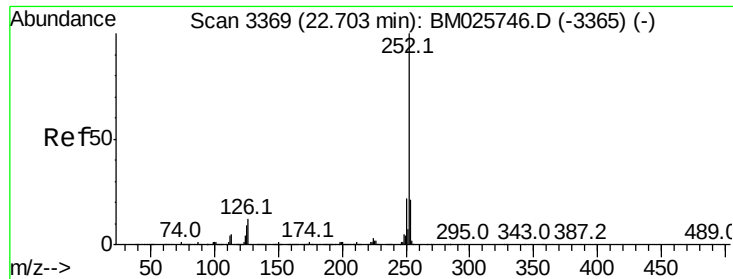
mohammad
3/27/2020 8:14:15 AM



#88
Benzo(b)fluoranthene
Concen: 4.134 ng/ul
RT: 22.66 min Scan# 3362
Delta R.T. -0.01 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	9.8	6.7	10.1





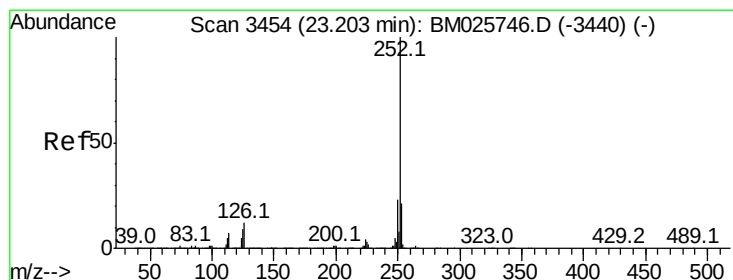
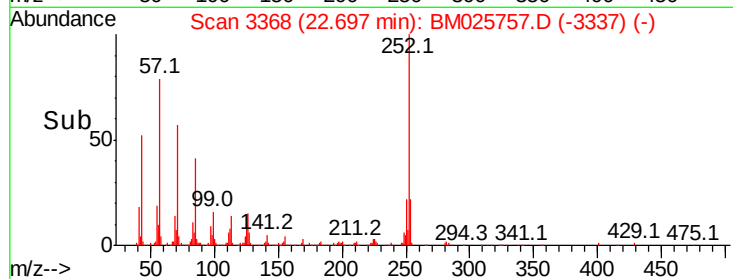
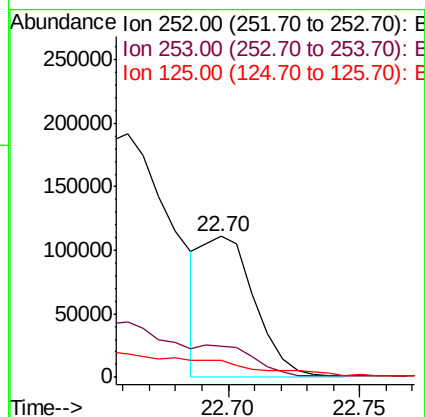
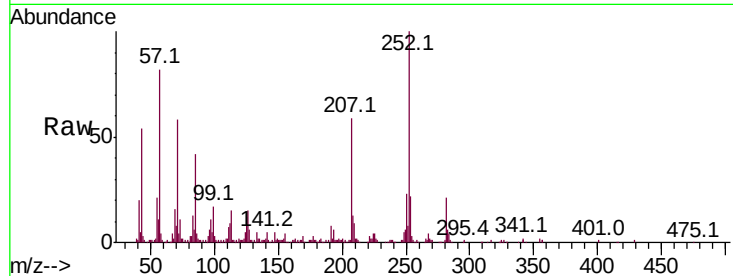
#89
Benzo(k)fluoranthene
Concen: 1.631 ng/ul m
RT: 22.70 min Scan# 3368
Delta R.T. -0.02 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Instrument :
BNA_M
ClientSampled :
CB793

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	11.9	6.9	10.3

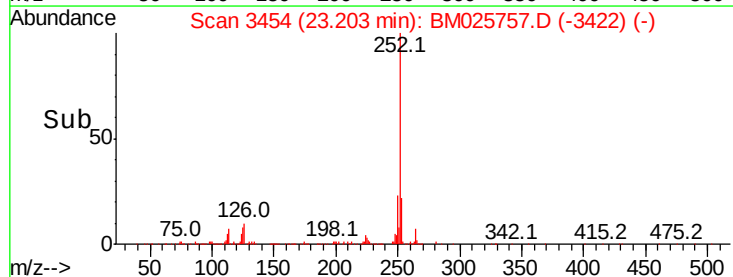
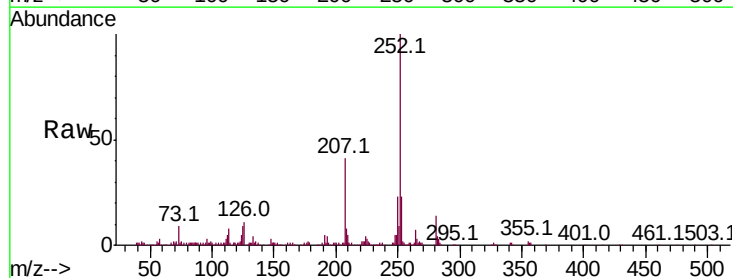
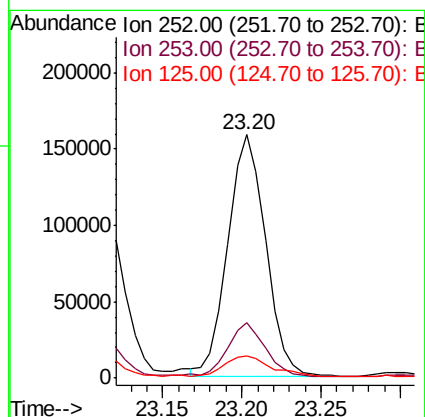
Manual Integrations
APPROVED

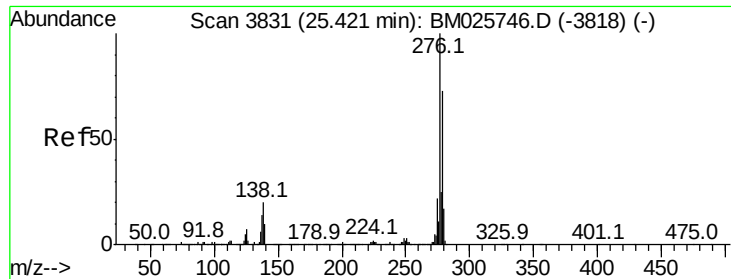
mohammad
3/27/2020 8:14:15 AM



#91
Benzo(a)pyrene
Concen: 2.939 ng/ul
RT: 23.20 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BM025757.D
Acq: 25 Mar 2020 08:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.0	7.1	10.7





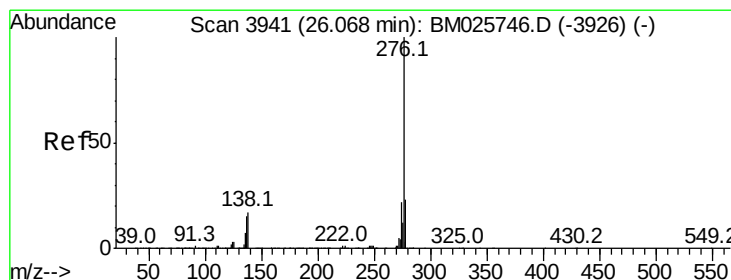
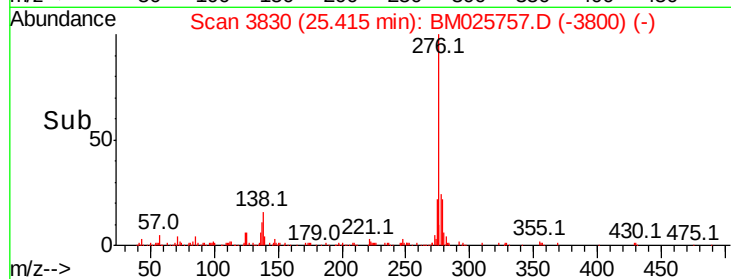
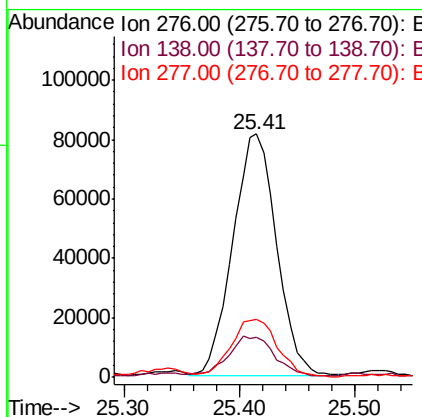
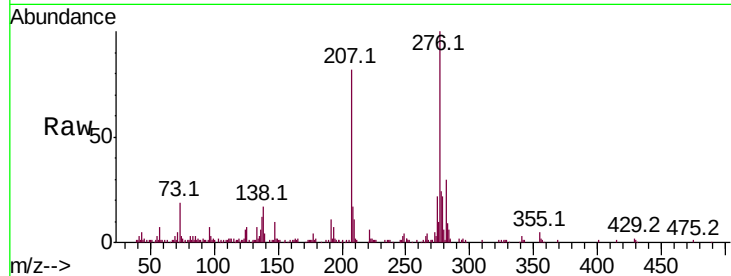
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 1.815 ng/ul
 RT: 25.41 min Scan# 3830
 Delta R.T. -0.02 min
 Lab File: BM025757.D
 Acq: 25 Mar 2020 08:43

Instrument :
 BNA_M
 ClientSampled :
 CB793

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	16.5	24.7
277	24.0	19.7	29.5

Manual Integrations
 APPROVED

mohammad
 3/27/2020 8:14:15 AM



#94
 Benzo(g,h,i)perylene
 Concen: 1.502 ng/ul
 RT: 26.06 min Scan# 3939
 Delta R.T. -0.03 min
 Lab File: BM025757.D
 Acq: 25 Mar 2020 08:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	13.2	19.8
277	22.2	19.0	28.4

