

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\
 Data File : BM025695.D
 Acq On : 23 Mar 2020 15:12
 Operator : CG/JU
 Sample : L1972-06DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3DL

Manual Integrations
 APPROVED

mohammad
 3/23/2020 4:30:01 PM

Quant Time: Mar 23 15:49:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 11:44:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	163311	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	655479	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	393351	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	840629	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	969360	20.00	ng/ul	0.00
86) Perylene-d12	23.30	264	1109049	20.00	ng/ul	0.00

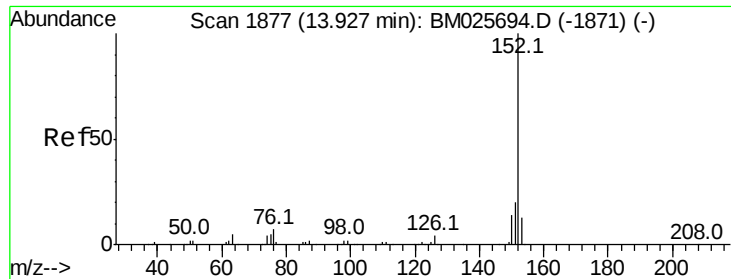
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	4218	1.08	ng/uL	0.01
5) Phenol-d5	6.76	99	67056	5.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	41475	5.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	55662	5.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	53765	5.08	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	26191	5.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	24806	4.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	55860	5.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	59027	4.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	181449	6.07	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	210327	5.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	18335	3.22	ng/ul	0.00
58) Fluorene-d10	15.21	176	164546	6.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	14404	2.81	ng/ul	0.00
71) Anthracene-d10	17.06	188	251344	6.40	ng/ul	0.00
79) Pyrene-d10	19.36	212	282352	6.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.17	264	364535	6.42	ng/ul	0.00

Target Compounds

					Ovalue
48) Acenaphthylene	13.93	152	81983	2.113 ng/ul	99
50) Acenaphthene	14.27	153	26438	1.003 ng/ul	96
59) Fluorene	15.26	166	36584	1.163 ng/ul	100
70) Phenanthrene	17.00	178	809562	16.361 ng/ul	98
72) Anthracene	17.09	178	190486	3.777 ng/ul	99
77) Fluoranthene	19.02	202	1654757	28.372 ng/ul	98
80) Pyrene	19.39	202	1466410	22.524 ng/ul	99
83) Benzo(a)anthracene	21.14	228	732711	11.465 ng/ul	96
85) Chrysene	21.19	228	718598	11.460 ng/ul	97
88) Benzo(b)fluoranthene	22.67	252	1050345	15.179 ng/ul	99
89) Benzo(k)fluoranthene	22.70	252	296234m	4.346 ng/ul	
91) Benzo(a)pyrene	23.21	252	721980	11.465 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.43	276	535062	6.434 ng/ul	96
93) Dibenzo(a,h)anthracene	25.43	278	130107	1.848 ng/ul#	90
94) Benzo(g,h,i)perylene	26.07	276	364708	5.321 ng/ul	98

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



#48

Acenaphthylene

Concen: 2.113 ng/ul

RT: 13.93 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM025695.D

Acq: 23 Mar 2020 15:12

Instrument :

BNA_M

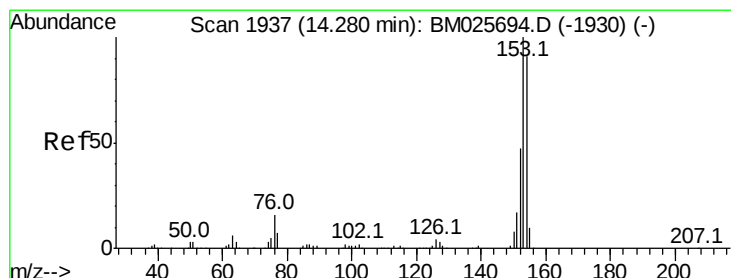
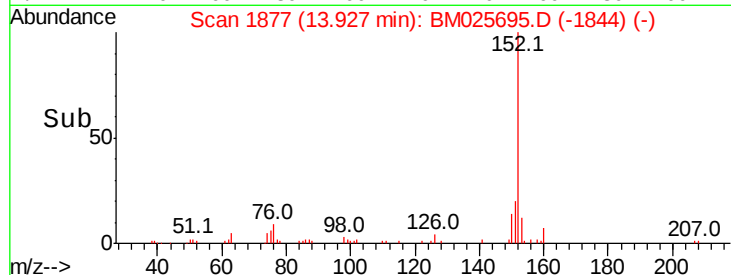
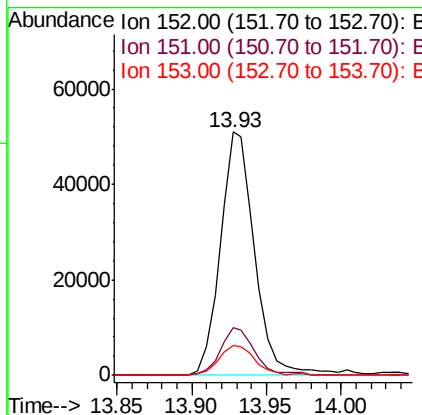
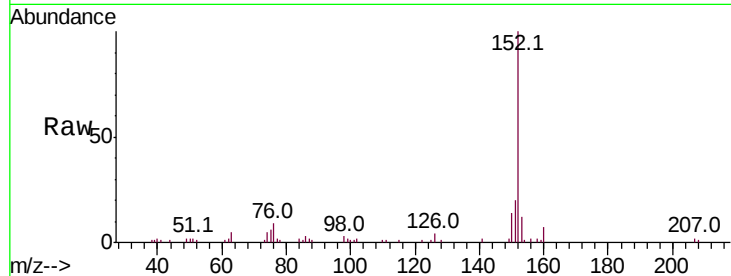
ClientSampleId :

B0AH3DL

Tot Ion:	152	Resp:	81983
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.6
153	12.3	10.6	16.0

Manual Integrations
APPROVED

mohammad
3/23/2020 4:30:01 PM



#50

Acenaphthene

Concen: 1.003 ng/ul

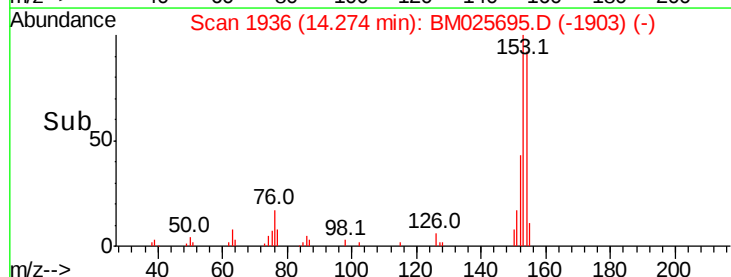
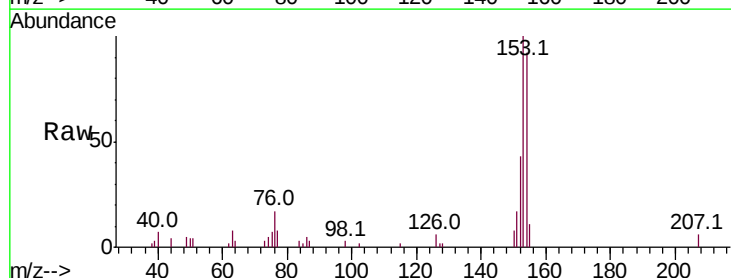
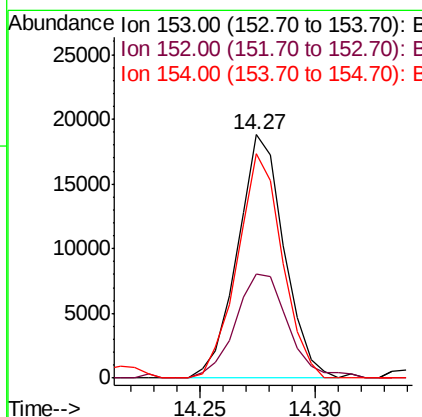
RT: 14.27 min Scan# 1936

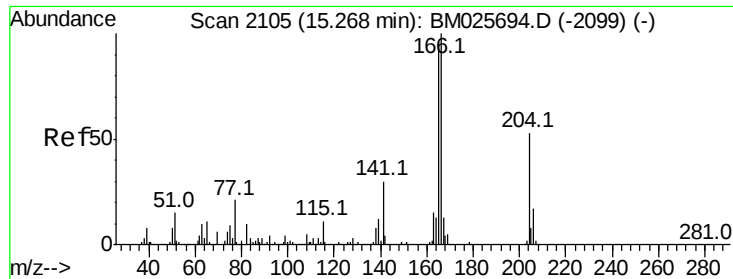
Delta R.T. -0.01 min

Lab File: BM025695.D

Acq: 23 Mar 2020 15:12

Tgt Ion:	153	Resp:	26438
Ion Ratio	Lower	Upper	
153	100		
152	42.9	37.6	56.4
154	92.3	72.2	108.2





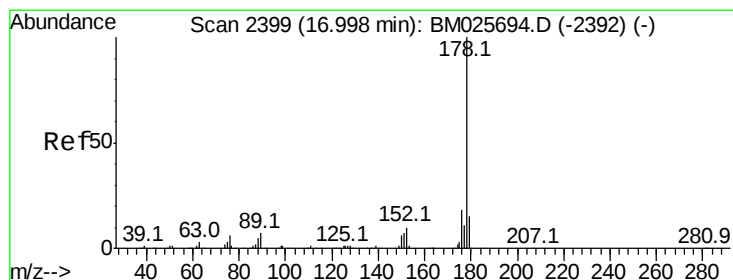
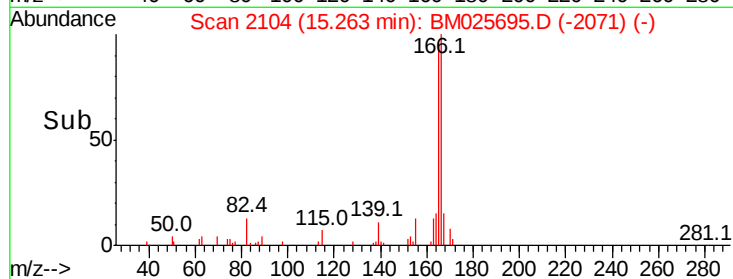
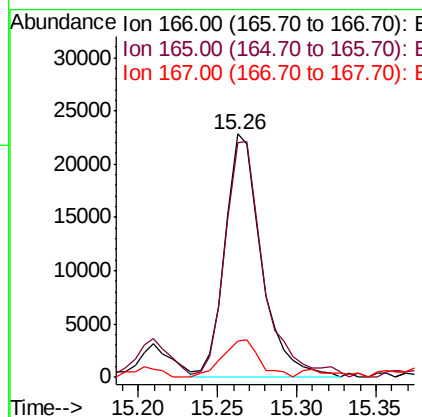
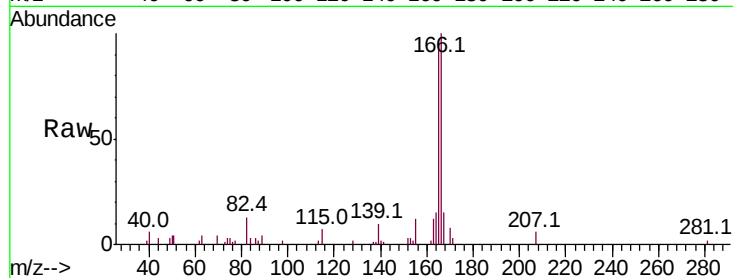
#59
Fluorene
 Concen: 1.163 ng/ul
 RT: 15.26 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.2	115.8
167	15.1	11.2	16.8

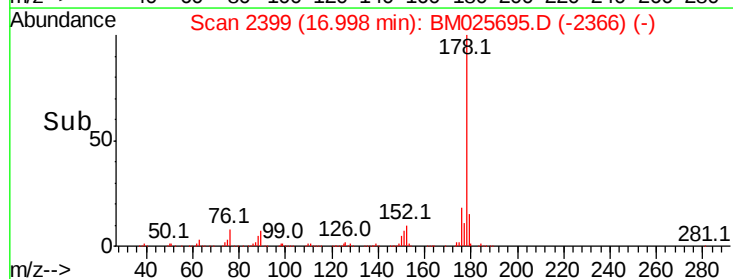
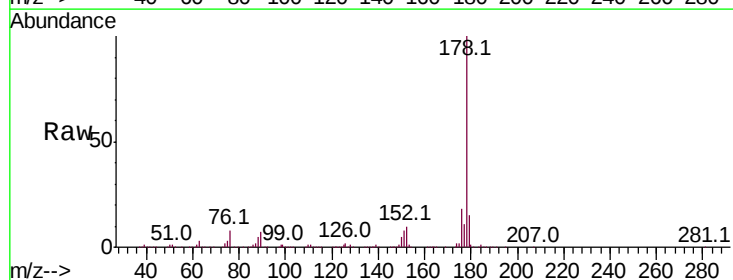
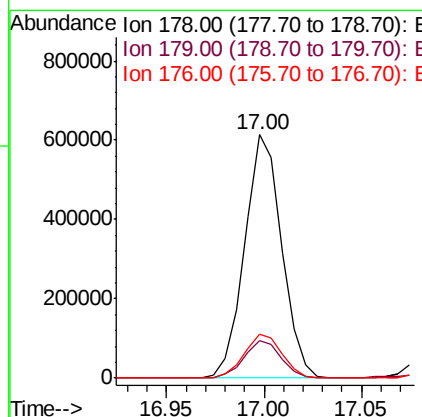
Manual Integrations
APPROVED

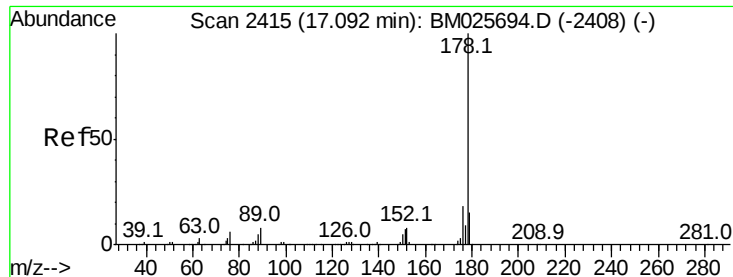
mohammad
 3/23/2020 4:30:01 PM



#70
Phenanthrene
 Concen: 16.361 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.4
176	17.8	15.3	22.9





#72

Anthracene

Concen: 3.777 ng/ul

RT: 17.09 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM025695.D

Acq: 23 Mar 2020 15:12

Instrument :

BNA_M

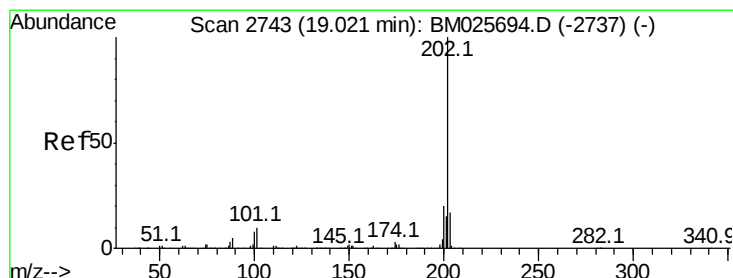
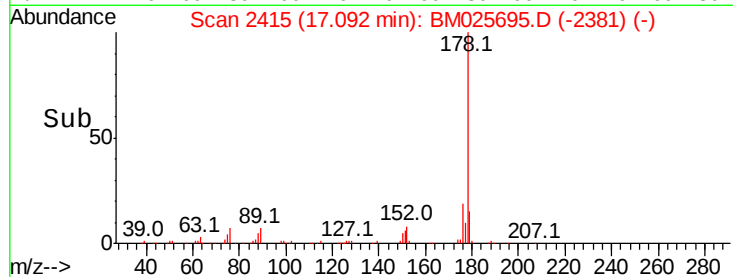
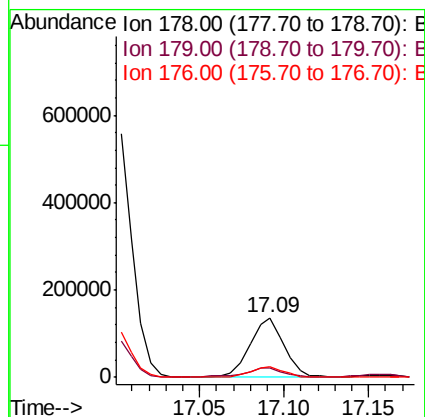
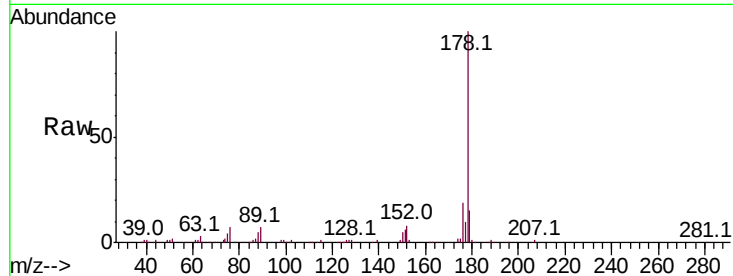
ClientSampleId :

B0AH3DL

Tot Ion:	178	Resp:	190486
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.5	18.7
176	18.5	14.5	21.7

Manual Integrations
APPROVED

mohammad
3/23/2020 4:30:01 PM



#77

Fluoranthene

Concen: 28.372 ng/ul

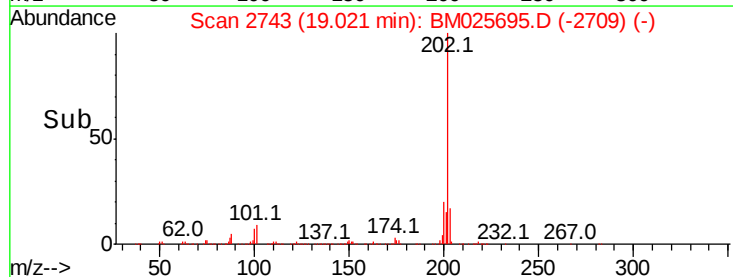
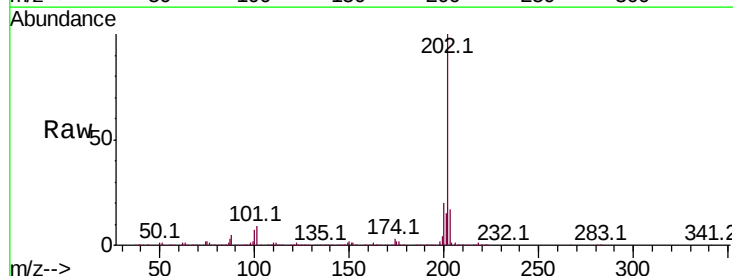
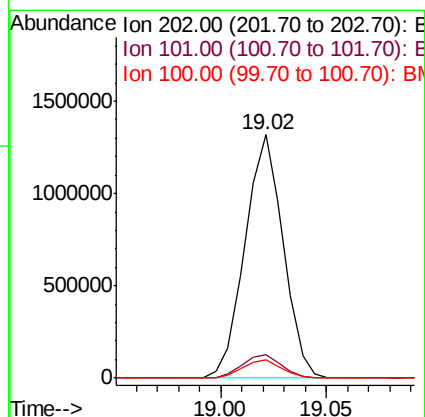
RT: 19.02 min Scan# 2743

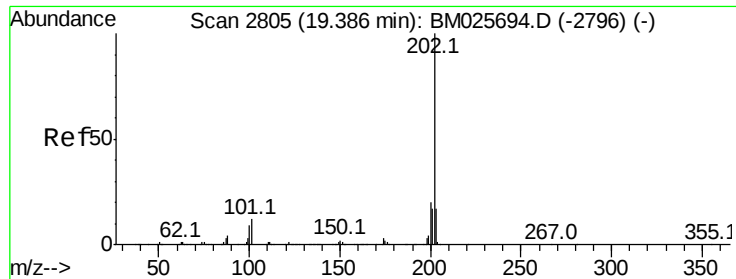
Delta R.T. -0.00 min

Lab File: BM025695.D

Acq: 23 Mar 2020 15:12

Tgt Ion:	202	Resp:	1654757
Ion Ratio	Lower	Upper	
202	100		
101	9.5	8.2	12.4
100	7.4	6.5	9.7





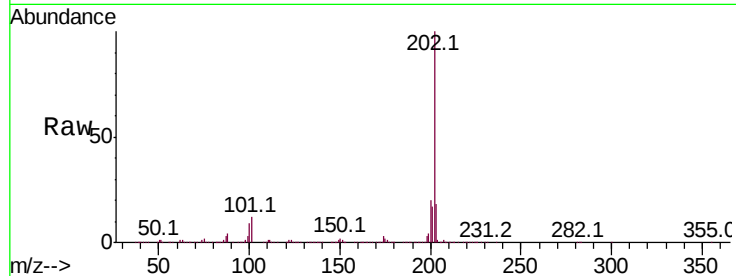
#80
 Pvrene
 Concen: 22.524 ng/ul
 RT: 19.39 min Scan# 2805
 Delta R.T. -0.00 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3DL

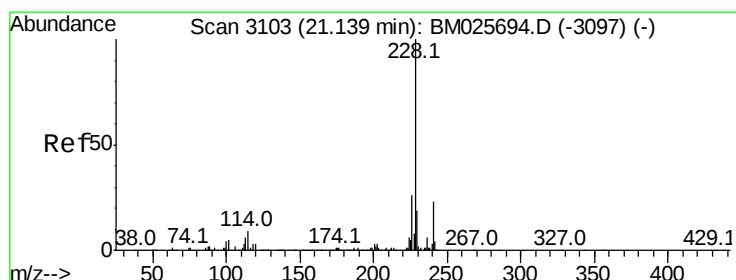
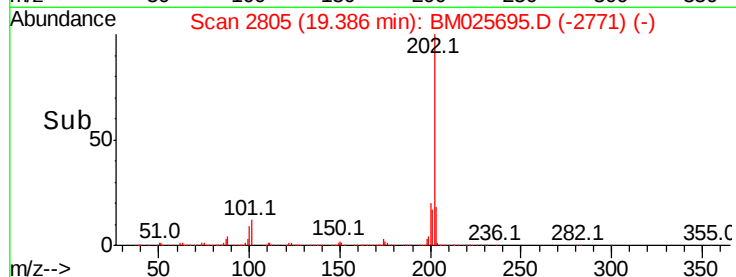
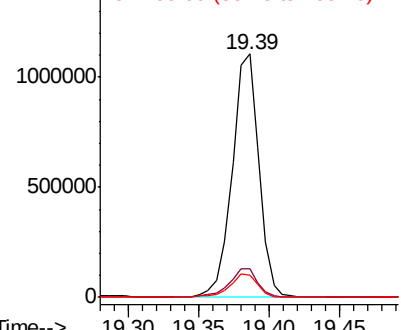
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	8.9	13.3
100	9.2	7.5	11.3

Manual Integrations
 APPROVED

mohammad
 3/23/2020 4:30:01 PM



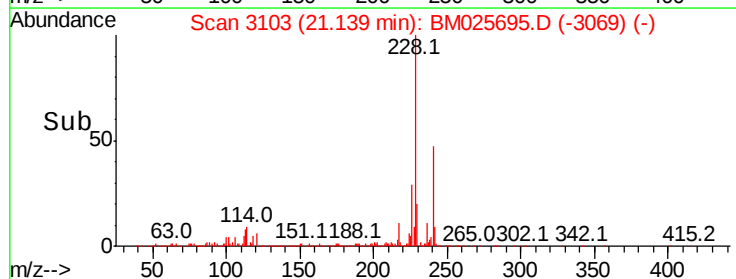
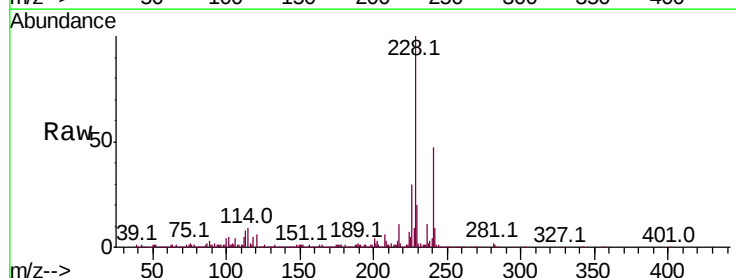
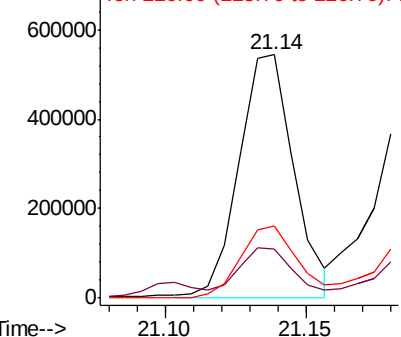
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

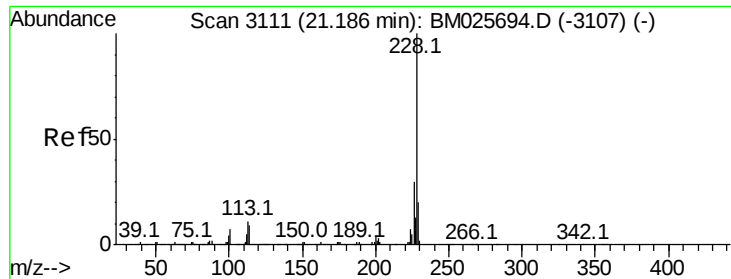


#83
 Benzo(a)anthracene
 Concen: 11.465 ng/ul
 RT: 21.14 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.5	23.3
226	29.5	21.0	31.6

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





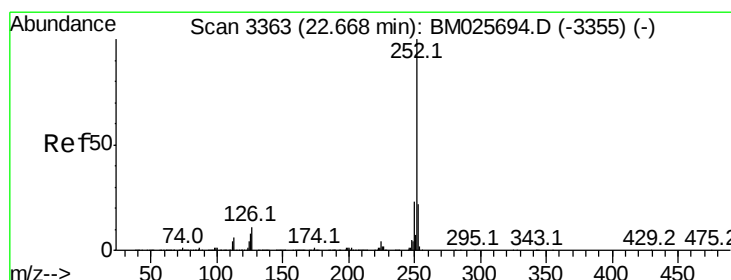
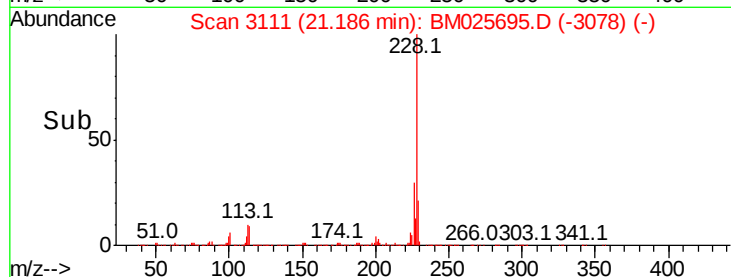
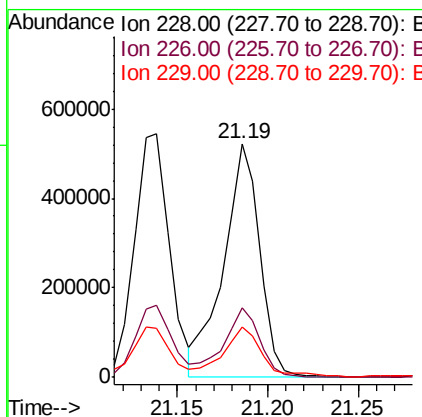
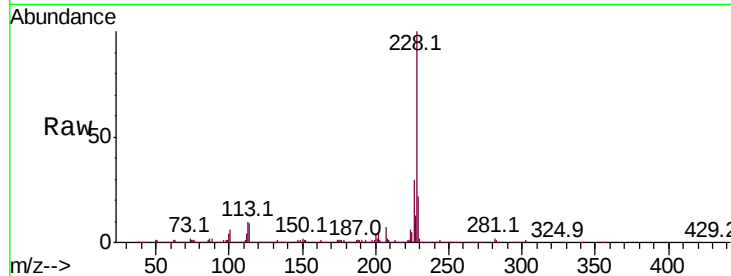
#85
 Chrysene
 Concen: 11.460 ng/ul
 RT: 21.19 min Scan# 3111
 Delta R.T. -0.01 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3DL

Tot Ion:	228	Resp:	718598
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.4	35.0
229	21.8	15.6	23.4

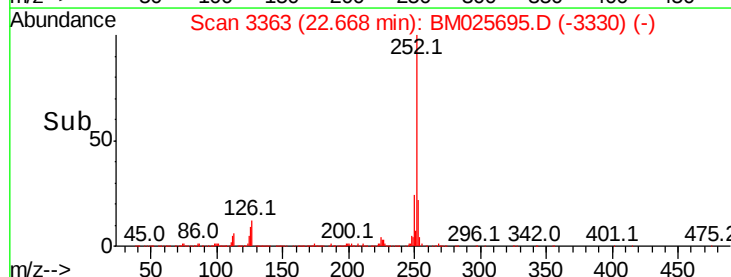
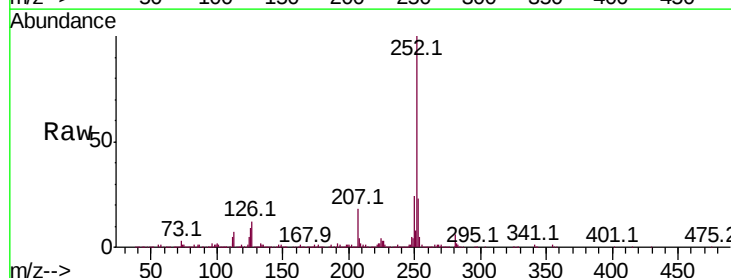
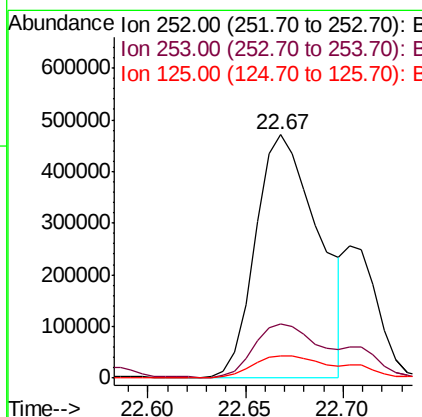
Manual Integrations
 APPROVED

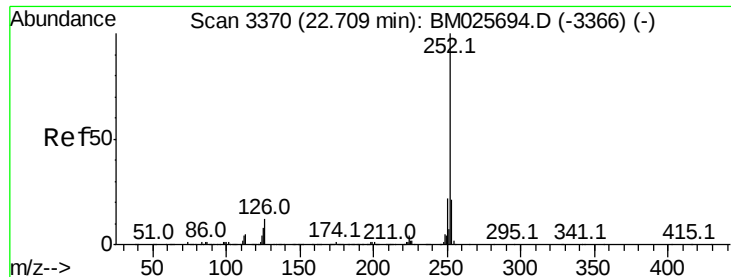
mohammad
 3/23/2020 4:30:01 PM



#88
 Benzo(b)fluoranthene
 Concen: 15.179 ng/ul
 RT: 22.67 min Scan# 3363
 Delta R.T. -0.01 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Tgt Ion:	252	Resp:	1050345
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	9.0	6.7	10.1





#89

Benzo(k)fluoranthene

Concen: 4.346 ng/ul m

RT: 22.70 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BM025695.D

Acq: 23 Mar 2020 15:12

Instrument :

BNA_M

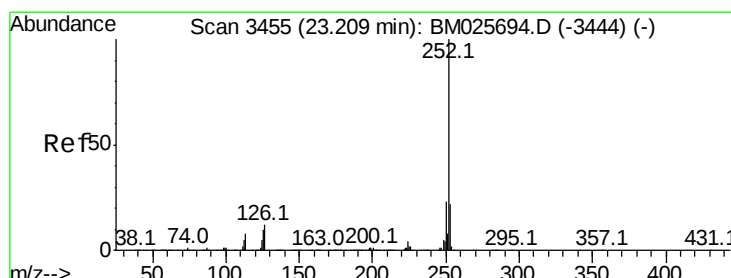
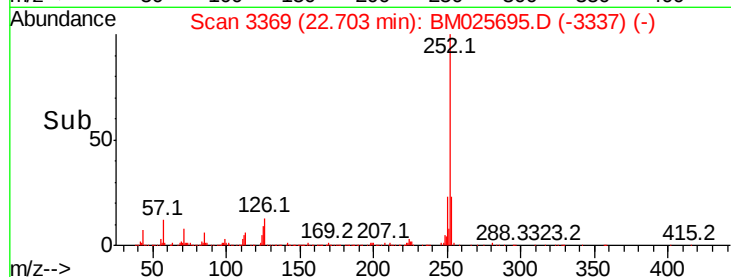
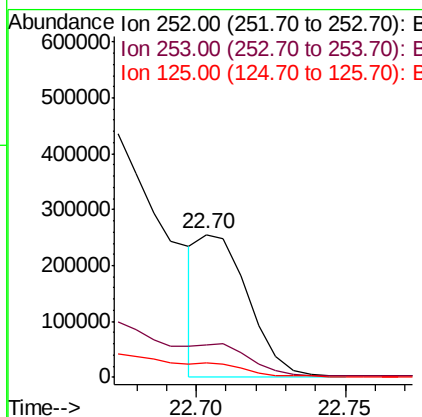
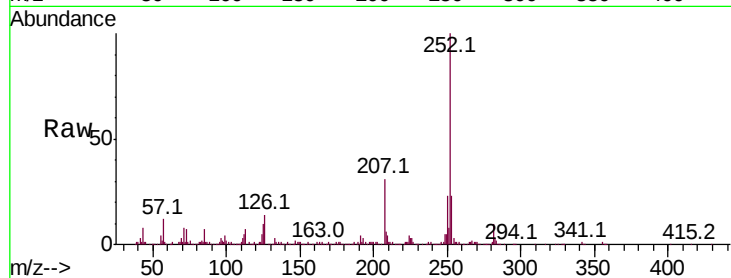
ClientSampled :

B0AH3DL

Tot Ion:	252	Resp:	296234
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	9.8	6.9	10.3

Manual Integrations
APPROVED

mohammad
3/23/2020 4:30:01 PM



#91

Benzo(a)pyrene

Concen: 11.465 ng/ul

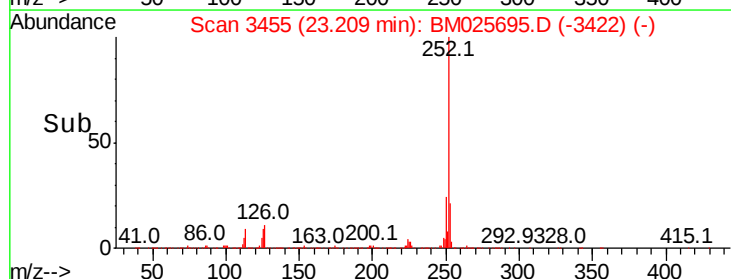
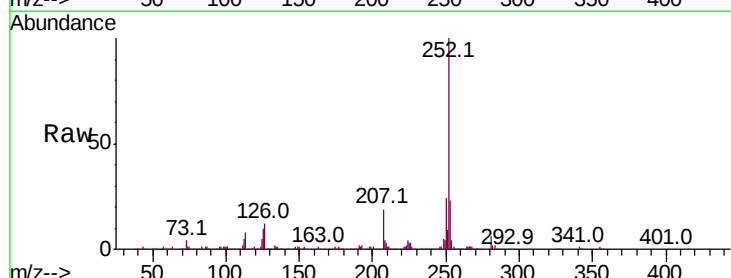
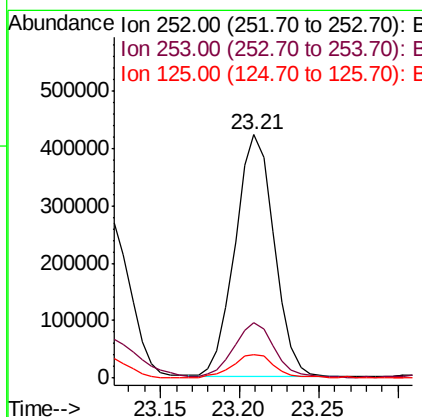
RT: 23.21 min Scan# 3455

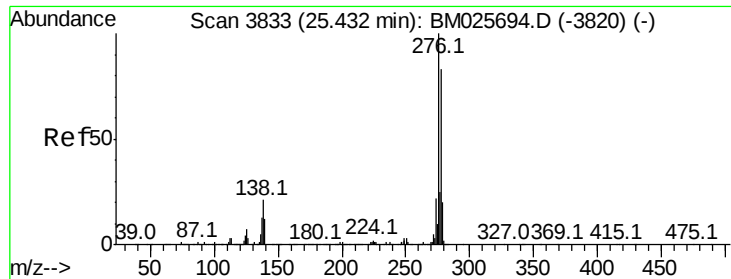
Delta R.T. -0.01 min

Lab File: BM025695.D

Acq: 23 Mar 2020 15:12

Tgt Ion:	252	Resp:	721980
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	9.6	7.1	10.7





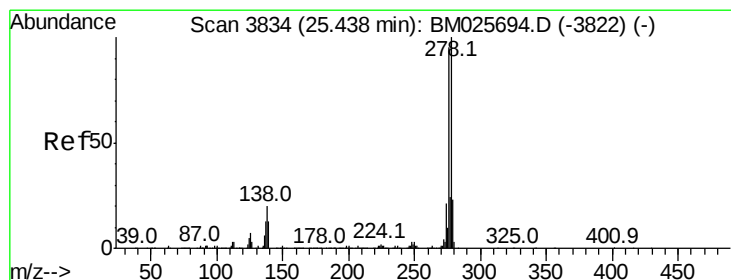
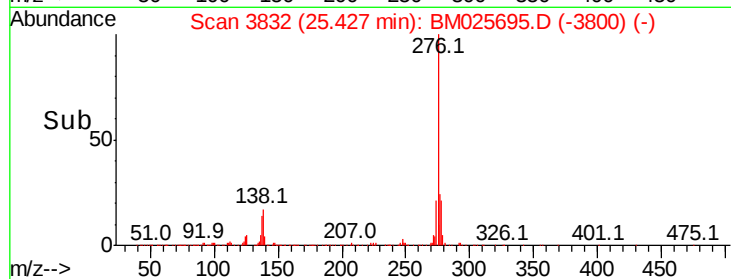
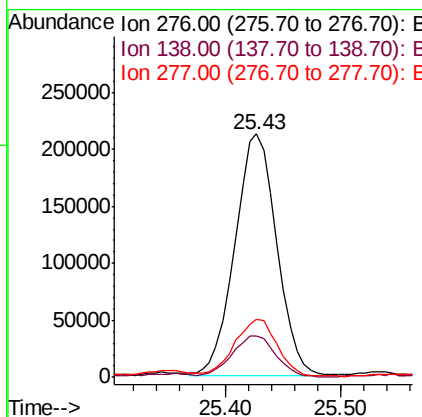
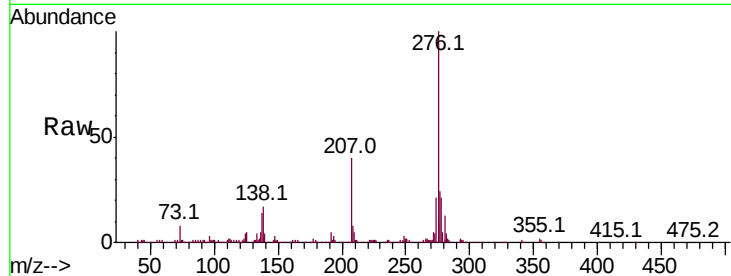
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 6.434 ng/ul
 RT: 25.43 min Scan# 3832
 Delta R.T. -0.01 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.9	16.5	24.7
277	23.9	19.7	29.5

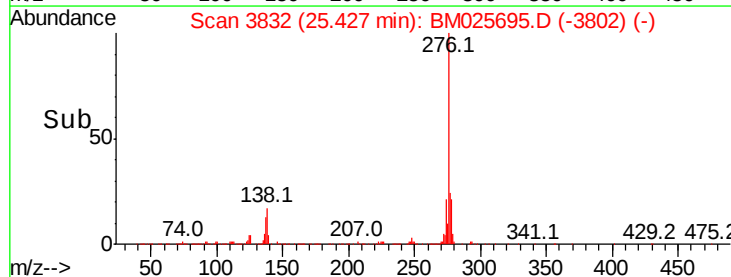
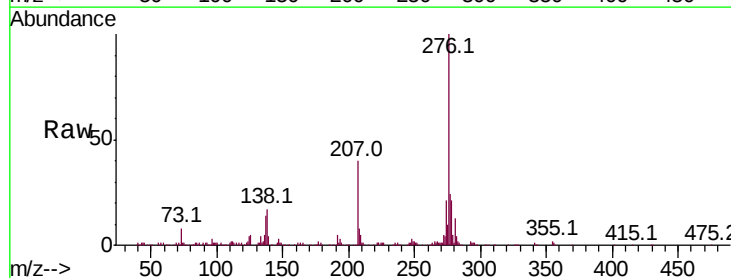
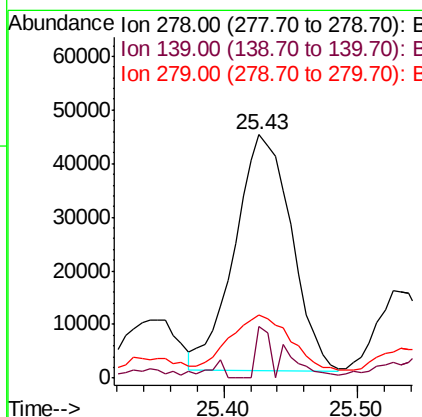
Manual Integrations
 APPROVED

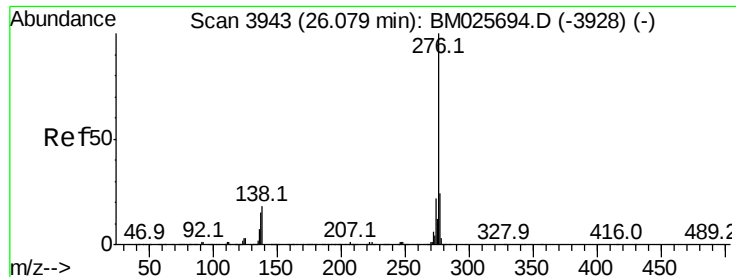
mohammad
 3/23/2020 4:30:01 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 1.848 ng/ul
 RT: 25.43 min Scan# 3832
 Delta R.T. -0.02 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	10.4	15.6#
279	25.7	18.6	28.0





#94
 Benzo(a,h,i)perylene
 Concen: 5.321 ng/ul
 RT: 26.07 min Scan# 3942
 Delta R.T. -0.01 min
 Lab File: BM025695.D
 Acq: 23 Mar 2020 15:12

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3DL

Tot Ion:	276	Resp:	364708
Ion Ratio	Lower	Upper	
276	100		
138	18.5	13.2	19.8
277	23.5	19.0	28.4

Manual Integrations
 APPROVED

mohammad
 3/23/2020 4:30:01 PM

