

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
 Data File : BM021297.D
 Acq On : 30 Jun 2019 14:08
 Operator : HP/JU
 Sample : K3590-12
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5BB1

Manual Integrations
 APPROVED

mohammad
 7/1/2019 2:44:37 PM

Quant Time: Jul 02 04:34:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 30 03:35:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	359028	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	1520750	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	882018	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1679350	20.00	ng/ul	0.00
77) Chrysene-d12	21.34	240	1339155	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1668157	20.00	ng/ul	0.01

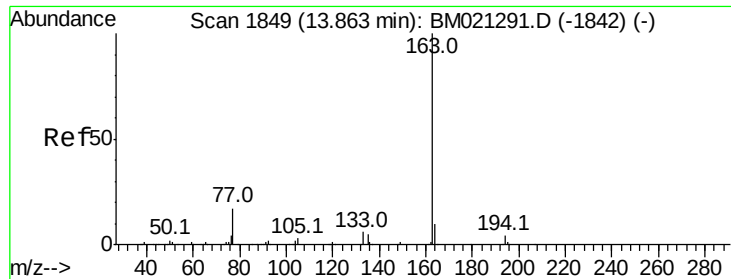
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	15760	2.08	ng/uL	0.00
5) Phenol-d5	6.93	99	442207	14.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	256558	13.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	379028	14.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	334177	12.81	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	199553	16.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	240720	17.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	447764	16.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	466523	16.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	1369702	17.19	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	1605793	16.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	145720	11.24	ng/ul	0.00
57) Fluorene-d10	15.40	176	1104466	15.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	89289	8.65	ng/ul	0.00
70) Anthracene-d10	17.25	188	1460359	16.73	ng/ul	0.00
78) Pyrene-d10	19.54	212	1387661	17.27	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	1673843	17.01	ng/ul	0.01

Target Compounds

					Ovalue
44) Dimethylphthalate	13.86	163	228503	3.150	ng/ul 99
49) Acenaphthene	14.46	153	88893	1.452	ng/ul 99
58) Fluorene	15.45	166	103256	1.458	ng/ul 100
69) Phenanthrene	17.19	178	2857722	30.769	ng/ul 99
71) Anthracene	17.29	178	330703	3.494	ng/ul 99
74) Carbazole	17.56	167	215598	2.764	ng/ul 98
76) Fluoranthene	19.22	202	5388822	53.698	ng/ul 100
79) Pyrene	19.58	202	4288066	45.293	ng/ul 99
82) Benzo(a)anthracene	21.33	228	2027265	22.205	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.24	149	121133	2.428	ng/ul 99
84) Chrysene	21.38	228	2502537	29.268	ng/ul 98
87) Benzo(b)fluoranthene	22.94	252	3601217	34.080	ng/ul# 98
88) Benzo(k)fluoranthene	22.97	252	1313170m	12.918	ng/ul
90) Benzo(a)pyrene	23.52	252	2331048	23.437	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.91	276	1895035	16.181	ng/ul# 95
92) Dibenzo(a,h)anthracene	25.91	278	455716m	4.625	ng/ul
93) Benzo(g,h,i)perylene	26.62	276	1700973	17.634	ng/ul 98

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



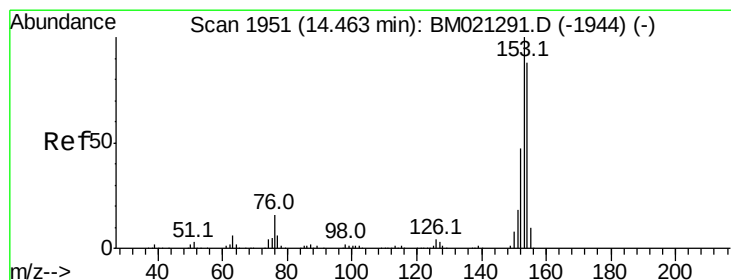
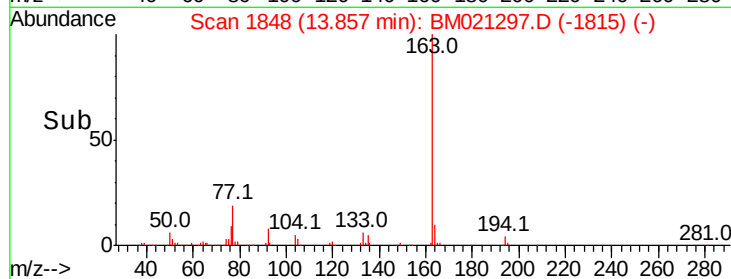
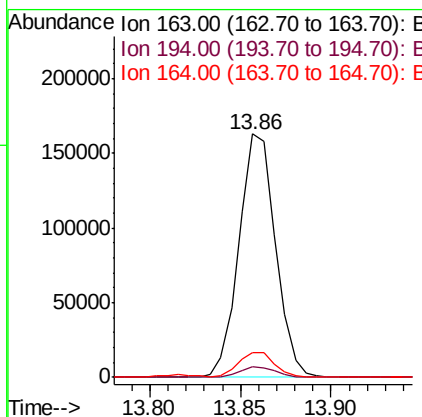
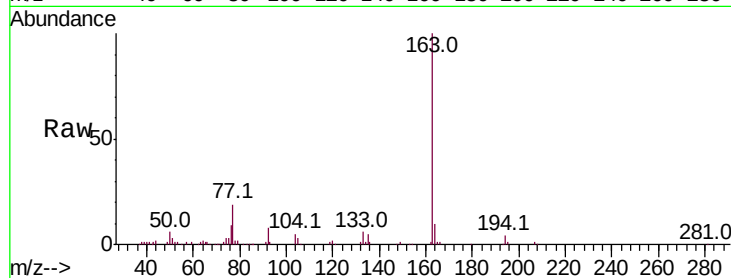
#44
Dimethylphthalate
Concen: 3.150 ng/ul
RT: 13.86 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Instrument :
BNA_M
ClientSampleId :
C5BB1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	228503		
194	4.5		3.4	5.2
164	10.3		7.7	11.5

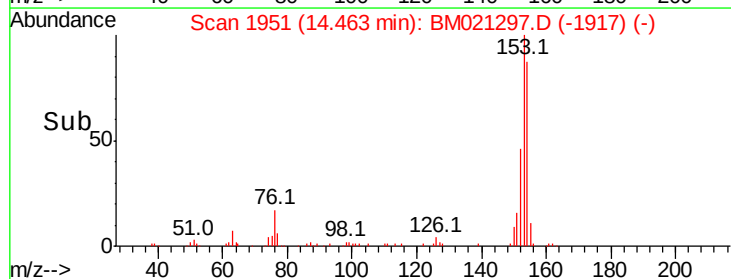
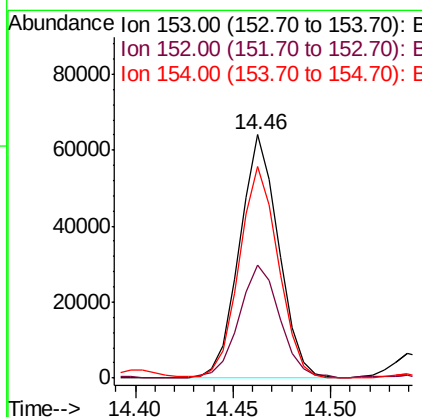
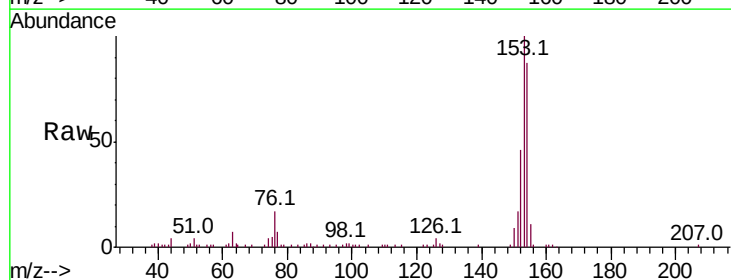
Manual Integrations
APPROVED

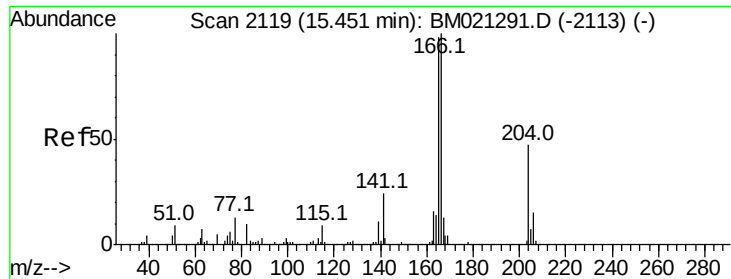
mohammad
7/1/2019 2:44:37 PM



#49
Acenaphthene
Concen: 1.452 ng/ul
RT: 14.46 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	88893		
152	46.3		37.3	55.9
154	86.7		70.5	105.7





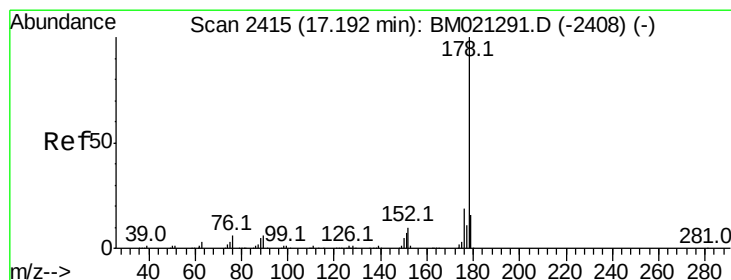
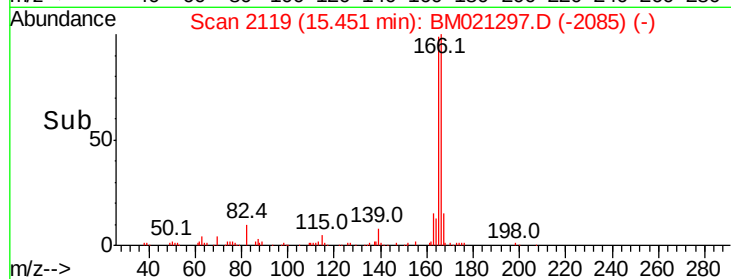
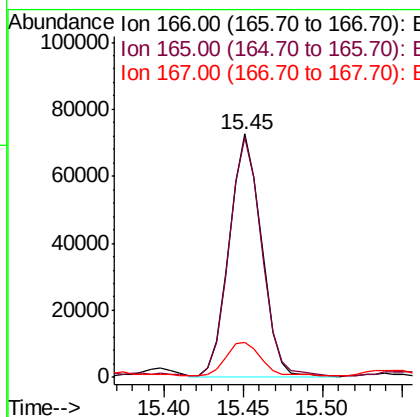
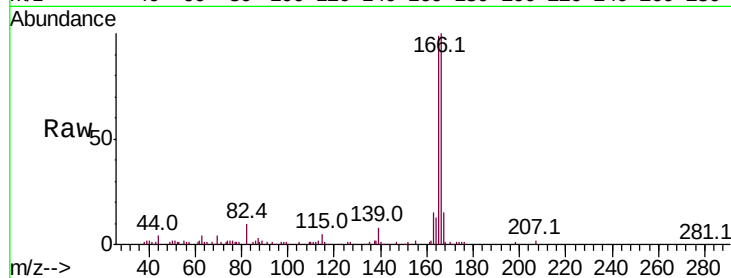
#58
Fluorene
Concen: 1.458 ng/ul
RT: 15.45 min Scan# 2119
Delta R.T. -0.00 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Instrument :
BNA_M
ClientSampleId :
C5BB1

Tot Ion	Ratio	Resp	Lower	Upper
166	100	103256		
165	98.7		79.0	118.4
167	14.5		10.6	16.0

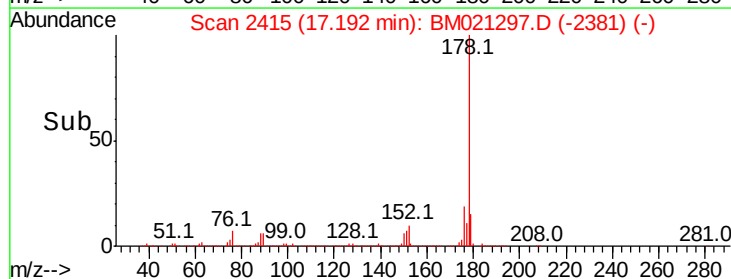
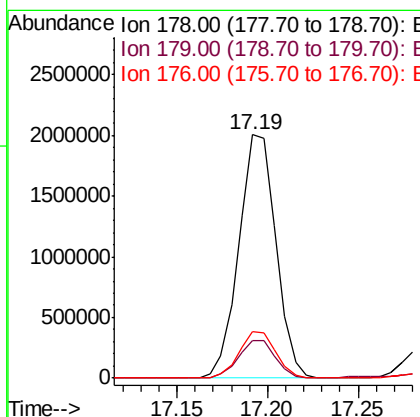
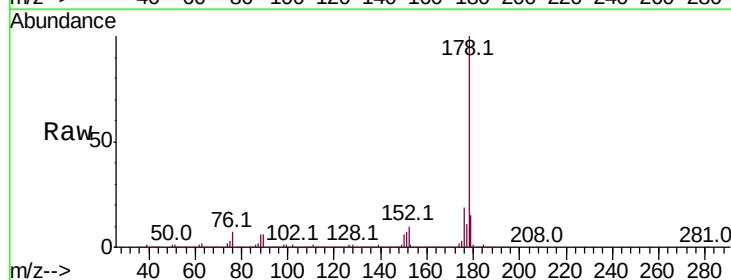
Manual Integrations
APPROVED

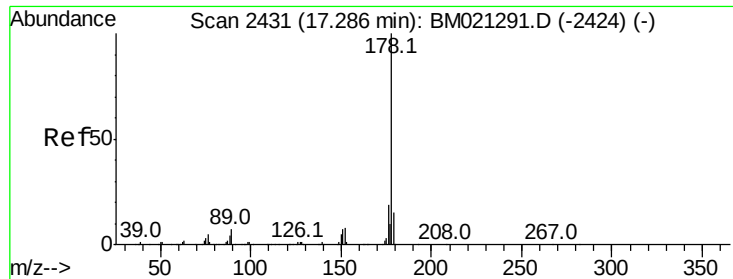
mohammad
7/1/2019 2:44:37 PM



#69
Phenanthrene
Concen: 30.769 ng/ul
RT: 17.19 min Scan# 2415
Delta R.T. -0.00 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2857722		
179	15.3		11.8	17.8
176	18.9		15.0	22.6





#71

Anthracene

Concen: 3.494 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM021297.D

Acq: 30 Jun 2019 14:08

Instrument :

BNA_M

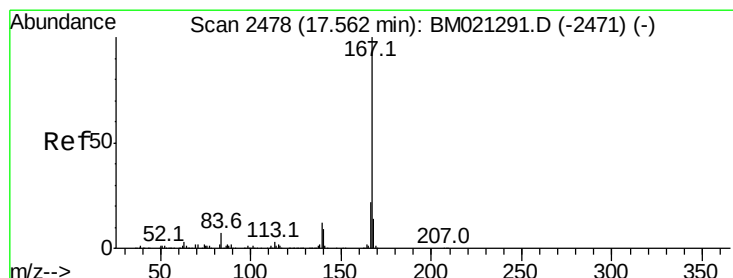
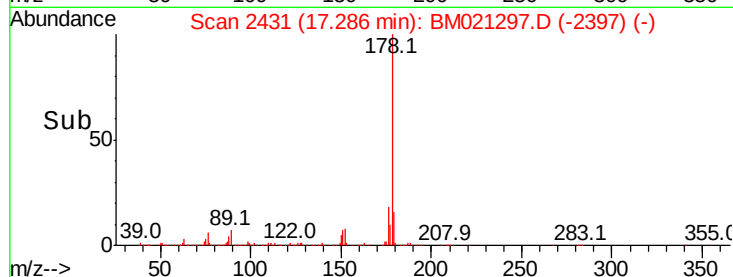
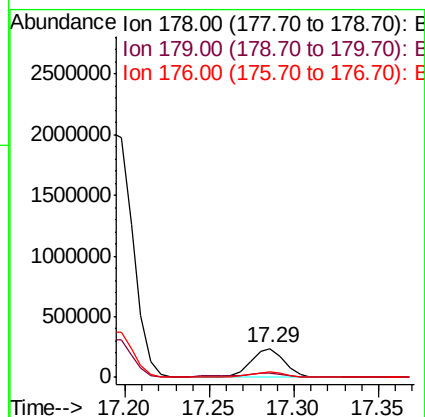
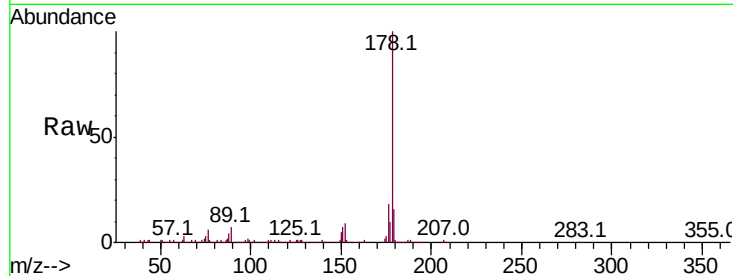
ClientSampled :

C5BB1

Tot Ion:	178	Resp:	330703
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.5	18.7
176	18.0	14.6	21.8

Manual Integrations
APPROVED

mohammad
7/1/2019 2:44:37 PM



#74

Carbazole

Concen: 2.764 ng/ul

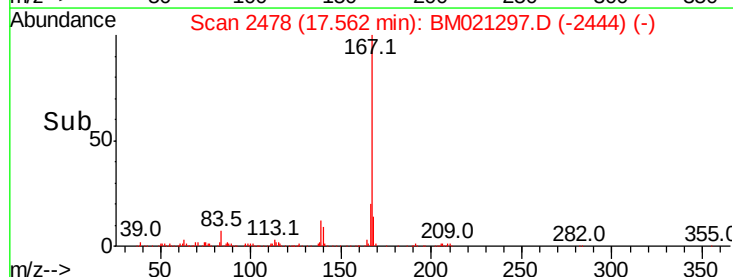
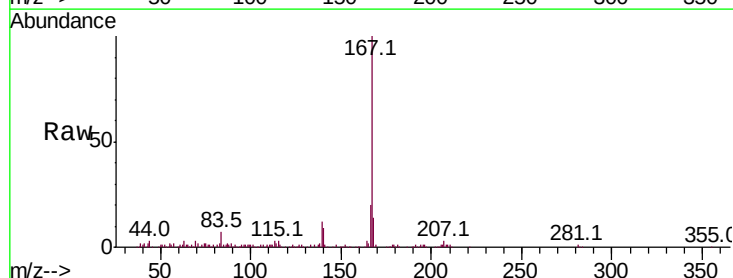
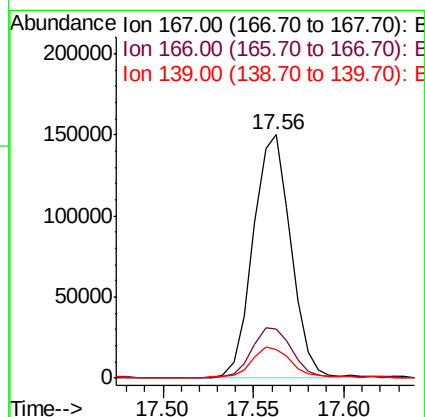
RT: 17.56 min Scan# 2478

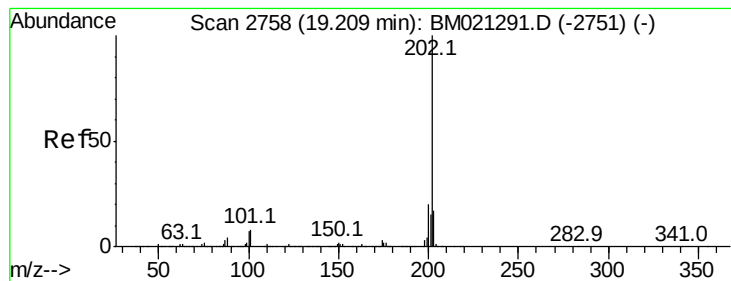
Delta R.T. -0.00 min

Lab File: BM021297.D

Acq: 30 Jun 2019 14:08

Tgt Ion:	167	Resp:	215598
Ion Ratio	Lower	Upper	
167	100		
166	20.3	17.4	26.2
139	11.9	9.8	14.6





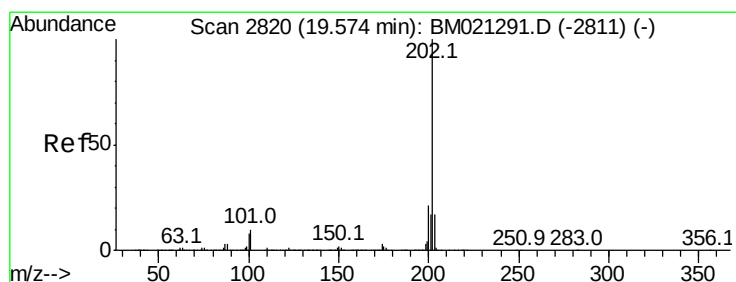
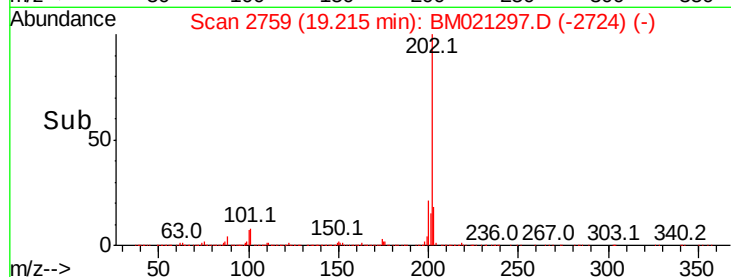
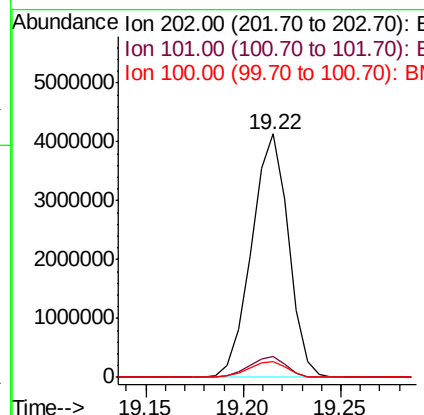
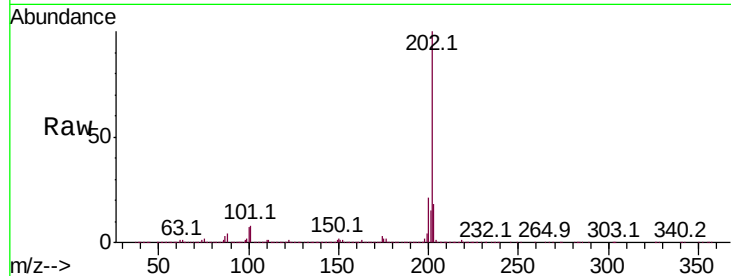
#76
Fluoranthene
Concen: 53.698 ng/ul
RT: 19.22 min Scan# 2759
Delta R.T. 0.01 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Instrument :
BNA_M
ClientSampled :
C5BB1

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.7	10.1
100	6.7	5.5	8.3

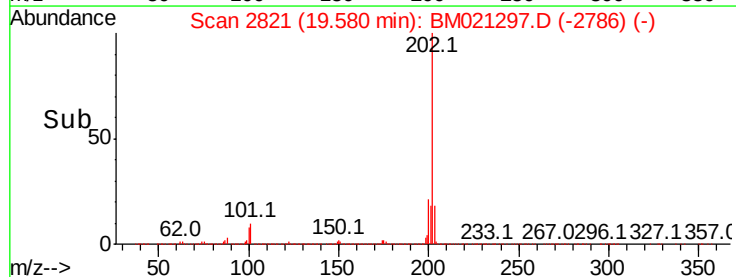
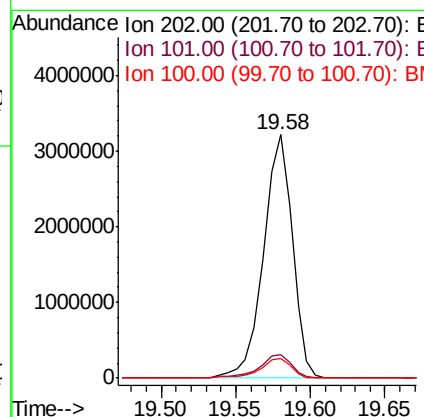
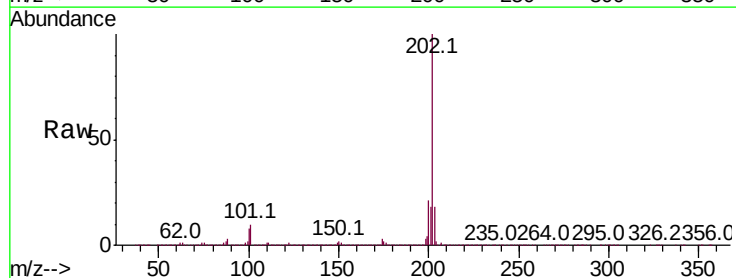
Manual Integrations
APPROVED

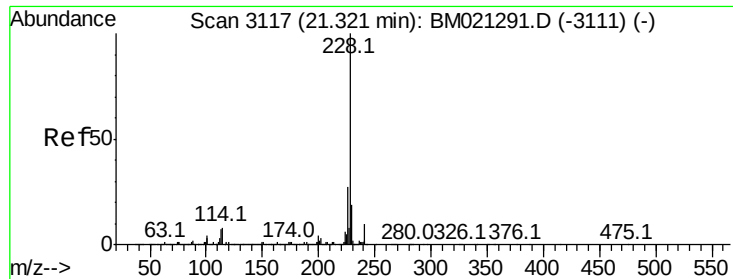
mohammad
7/1/2019 2:44:37 PM



#79
Pyrene
Concen: 45.293 ng/ul
RT: 19.58 min Scan# 2821
Delta R.T. 0.01 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.1	12.1
100	7.9	6.6	10.0





#82

Benzo(a)anthracene

Concen: 22.205 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.01 min

Lab File: BM021297.D

Acq: 30 Jun 2019 14:08

Instrument :

BNA_M

ClientSampleId :

C5BB1

Tot Ion:228 Resp: 2027265

Ion Ratio Lower Upper

228 100

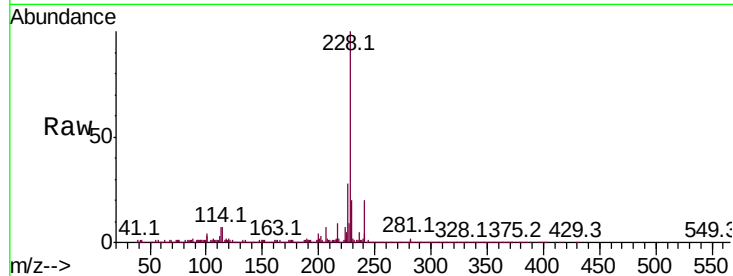
229 20.2 15.8 23.8

226 28.1 21.4 32.2

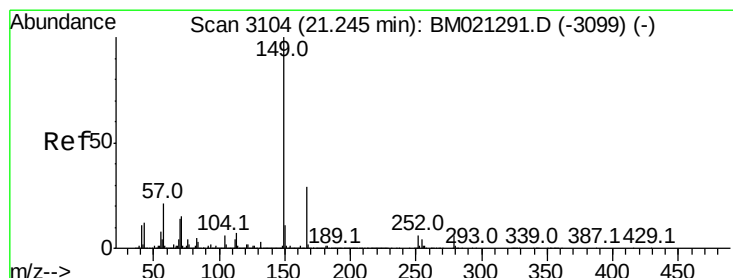
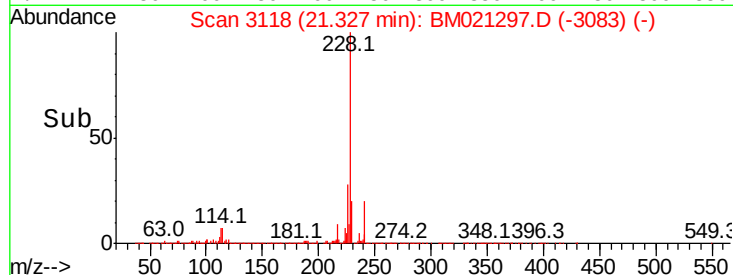
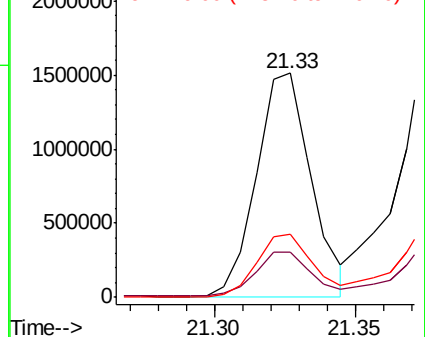
Manual Integrations
APPROVED

mohammad

7/1/2019 2:44:37 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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.428 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BM021297.D

Acq: 30 Jun 2019 14:08

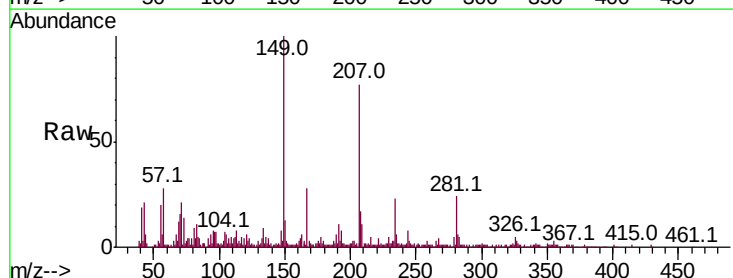
Tgt Ion:149 Resp: 121133

Ion Ratio Lower Upper

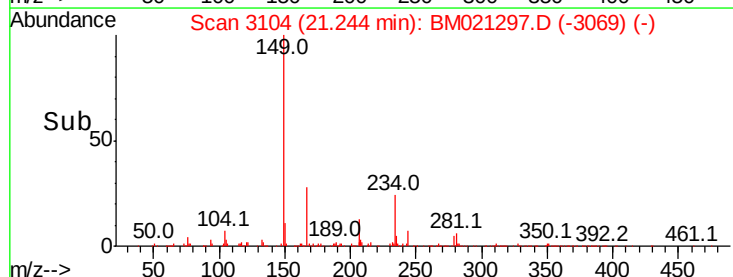
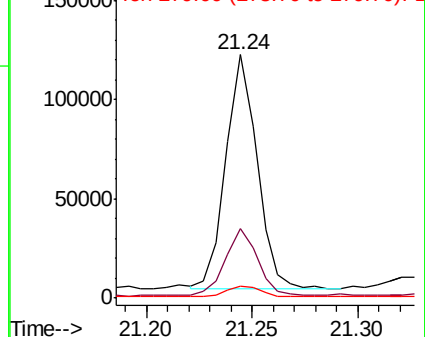
149 100

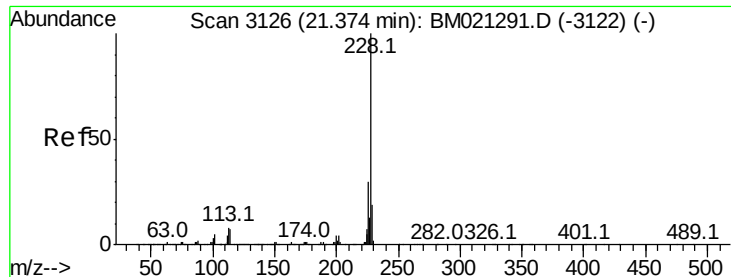
167 28.4 22.3 33.5

279 5.1 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





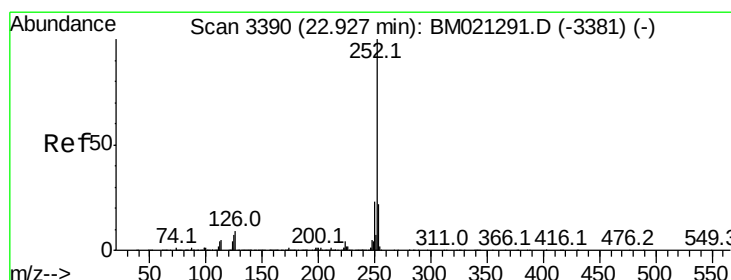
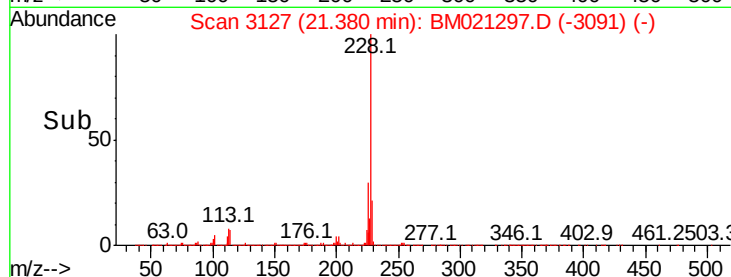
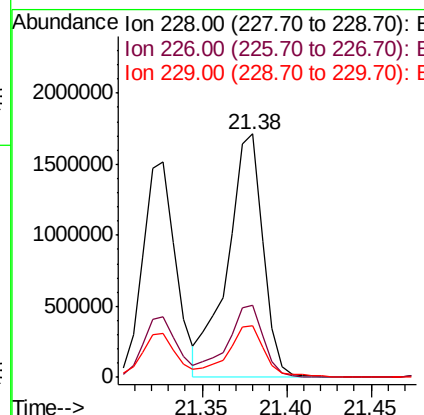
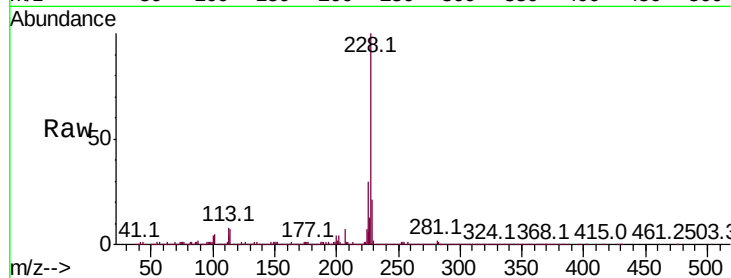
#84
 Chrysene
 Concen: 29.268 ng/ul
 RT: 21.38 min Scan# 3127
 Delta R.T. 0.01 min
 Lab File: BM021297.D
 Acq: 30 Jun 2019 14:08

Instrument :
 BNA_M
 ClientSampleId :
 C5BB1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	21.1	15.4	23.2

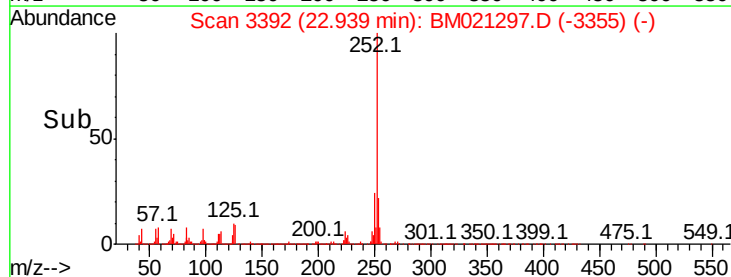
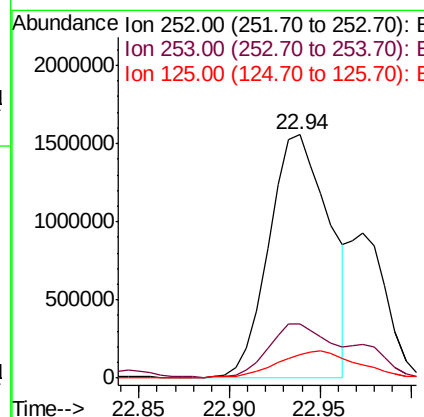
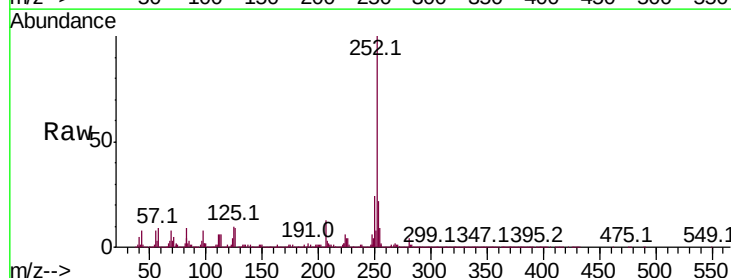
Manual Integrations
 APPROVED

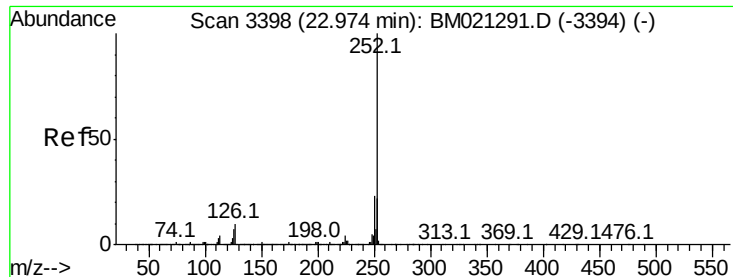
mohammad
 7/1/2019 2:44:37 PM



#87
 Benzo(b)fluoranthene
 Concen: 34.080 ng/ul
 RT: 22.94 min Scan# 3392
 Delta R.T. 0.02 min
 Lab File: BM021297.D
 Acq: 30 Jun 2019 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.9	6.3	9.5





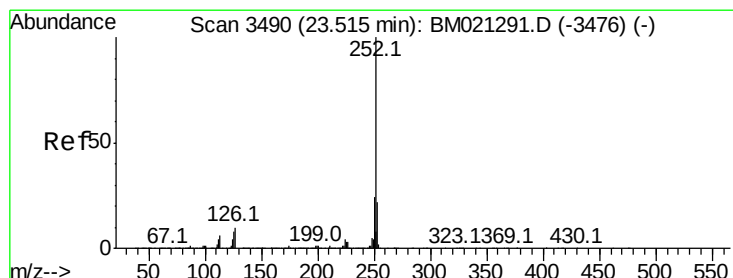
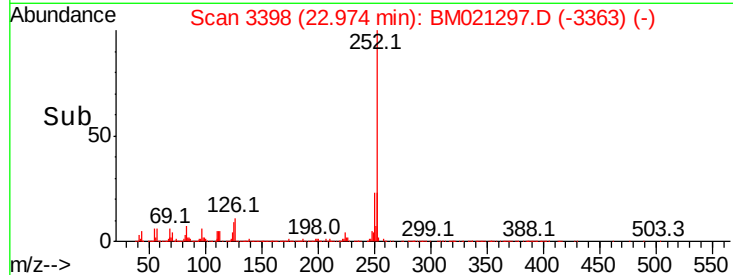
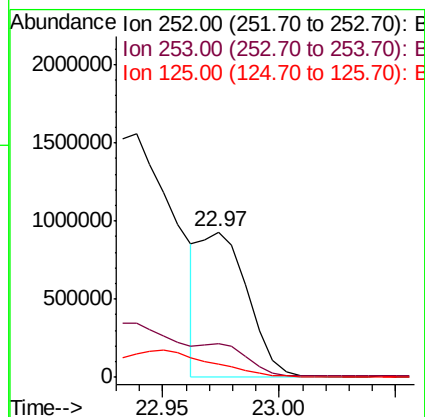
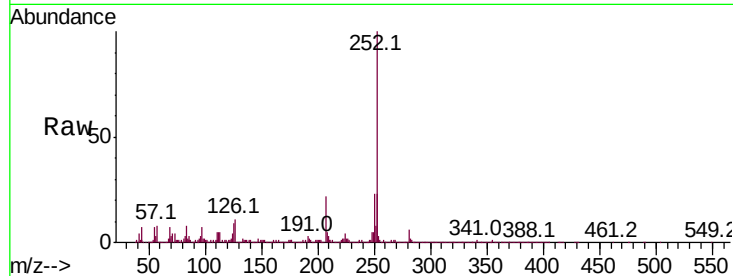
#88
Benzo(k)fluoranthene
Concen: 12.918 ng/ul m
RT: 22.97 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Instrument :
BNA_M
ClientSampleId :
C5BB1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	9.4	6.6	9.8

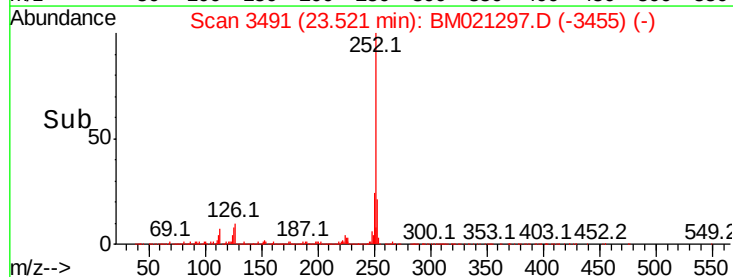
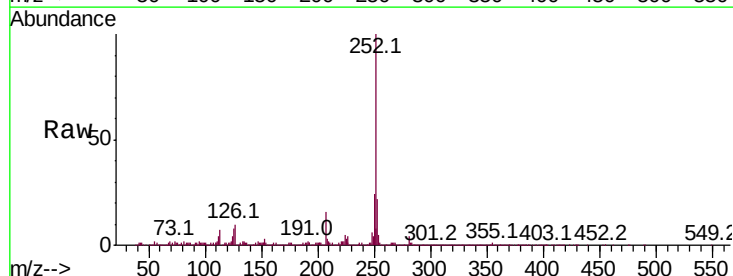
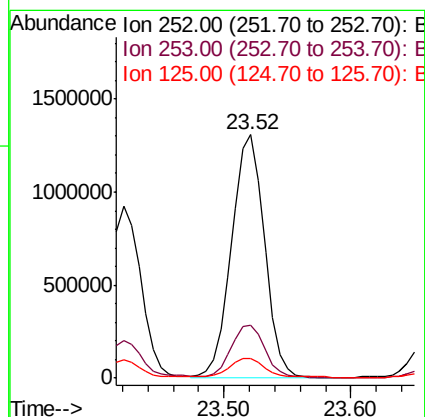
Manual Integrations
APPROVED

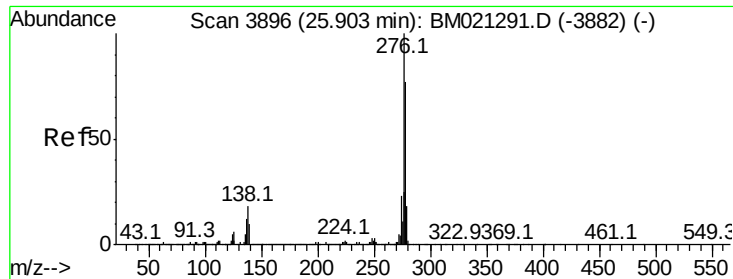
mohammad
7/1/2019 2:44:37 PM



#90
Benzo(a)pyrene
Concen: 23.437 ng/ul
RT: 23.52 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.1	7.2	10.8





#91

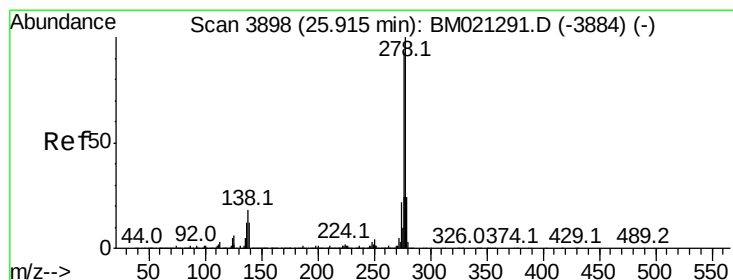
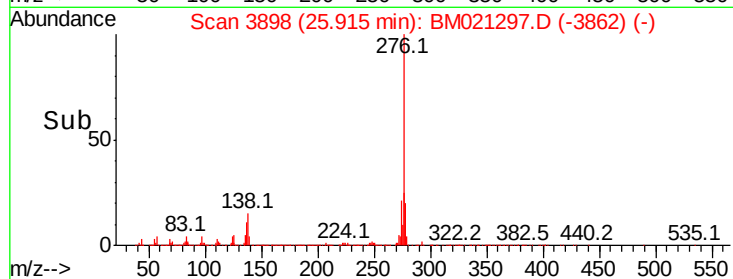
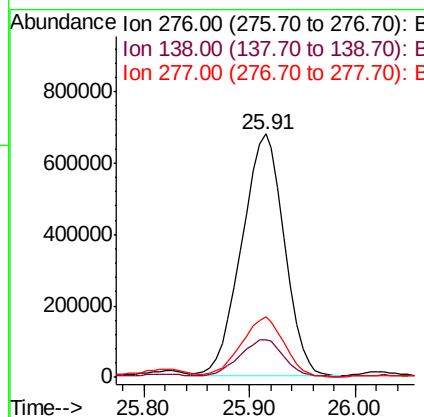
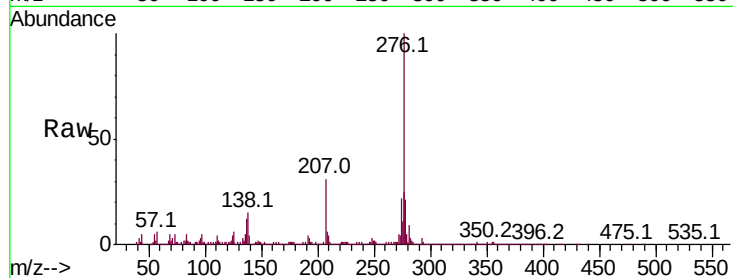
Indeno(1,2,3-cd)pyrene
Concen: 16.181 ng/ul
RT: 25.91 min Scan# 3898
Delta R.T. 0.01 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Instrument :
BNA_M
ClientSampleId :
C5BB1

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	15.9	23.9#
277	25.1	20.4	30.6

Manual Integrations
APPROVED

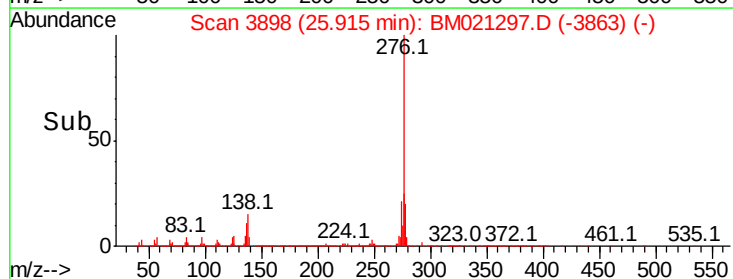
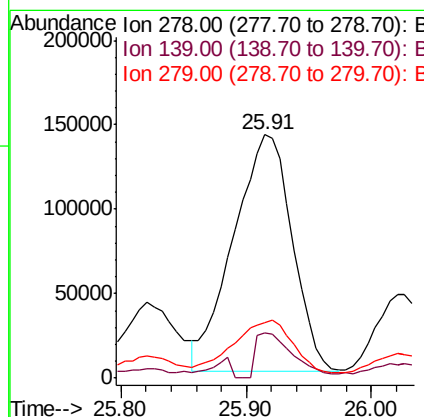
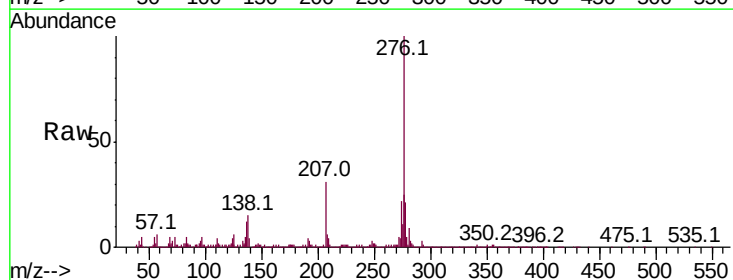
mohammad
7/1/2019 2:44:37 PM

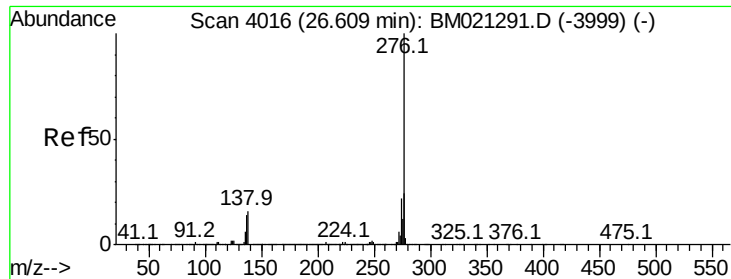


#92

Dibenzo(a,h)anthracene
Concen: 4.625 ng/ul m
RT: 25.91 min Scan# 3898
Delta R.T. 0.01 min
Lab File: BM021297.D
Acq: 30 Jun 2019 14:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	10.6	15.8#
279	22.6	19.0	28.4





#93

Benzo(a,h,i)perylene

Concen: 17.634 ng/ul

RT: 26.62 min Scan# 4018

Delta R.T. 0.02 min

Lab File: BM021297.D

Acq: 30 Jun 2019 14:08

Instrument :

BNA_M

ClientSampleId :

C5BB1

Tot Ion:276 Resp: 1700973

Ion Ratio Lower Upper

276 100

138 16.4 14.6 21.8

277 24.1 18.9 28.3

Manual Integrations

APPROVED

mohammad

7/1/2019 2:44:37 PM

