

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
 Data File : BM020505.D
 Acq On : 22 May 2019 23:25
 Operator : JU/SJ
 Sample : K2925-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4286

Manual Integrations
 APPROVED

mohammad
 5/23/2019 2:22:33 PM

Quant Time: May 23 08:25:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 23 07:52:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	65327	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	245988	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	151095	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	373197	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	402530	20.00	ng/ul	0.00
85) Perylene-d12	23.54	264	481348	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	6717m	3.79	ng/uL	0.00
5) Phenol-d5	6.86	99	86260	16.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	58999	17.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	69941	18.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	64108	16.89	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	31069	19.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	36518	20.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	69884	18.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	34760	9.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	223100	20.52	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	258480	19.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	13076m	8.28	ng/ul	0.00
57) Fluorene-d10	15.33	176	192650	19.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	11507	5.41	ng/ul	0.00
70) Anthracene-d10	17.19	188	299009	18.68	ng/ul	0.00
78) Pyrene-d10	19.49	212	361090	18.62	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.40	264	394157	18.02	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.80	163	57046	5.305	ng/ul	98
47) Acenaphthylene	14.06	152	34656	2.703	ng/ul	97
49) Acenaphthene	14.40	153	9835	1.116	ng/ul	95
53) Dibenzofuran	14.74	168	13777	1.032	ng/ul	95
58) Fluorene	15.39	166	23112	2.161	ng/ul	95
69) Phenanthrene	17.13	178	341602	19.211	ng/ul	99
71) Anthracene	17.23	178	93291	5.158	ng/ul	98
74) Carbazole	17.51	167	21219	1.382	ng/ul	95
76) Fluoranthene	19.16	202	745622	33.195	ng/ul	98
79) Pyrene	19.52	202	606380	25.098	ng/ul	99
82) Benzo(a)anthracene	21.27	228	397725	16.416	ng/ul	98
84) Chrysene	21.32	228	353727	15.278	ng/ul	96
87) Benzo(b)fluoranthene	22.86	252	454938	16.560	ng/ul	97
88) Benzo(k)fluoranthene	22.90	252	180614	6.693	ng/ul	95
90) Benzo(a)pyrene	23.44	252	330608	12.788	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.82	276	224164	7.609	ng/ul#	97
92) Dibenzo(a,h)anthracene	25.82	278	67320	2.672	ng/ul#	86
93) Benzo(g,h,i)perylene	26.53	276	181417	7.440	ng/ul	96

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

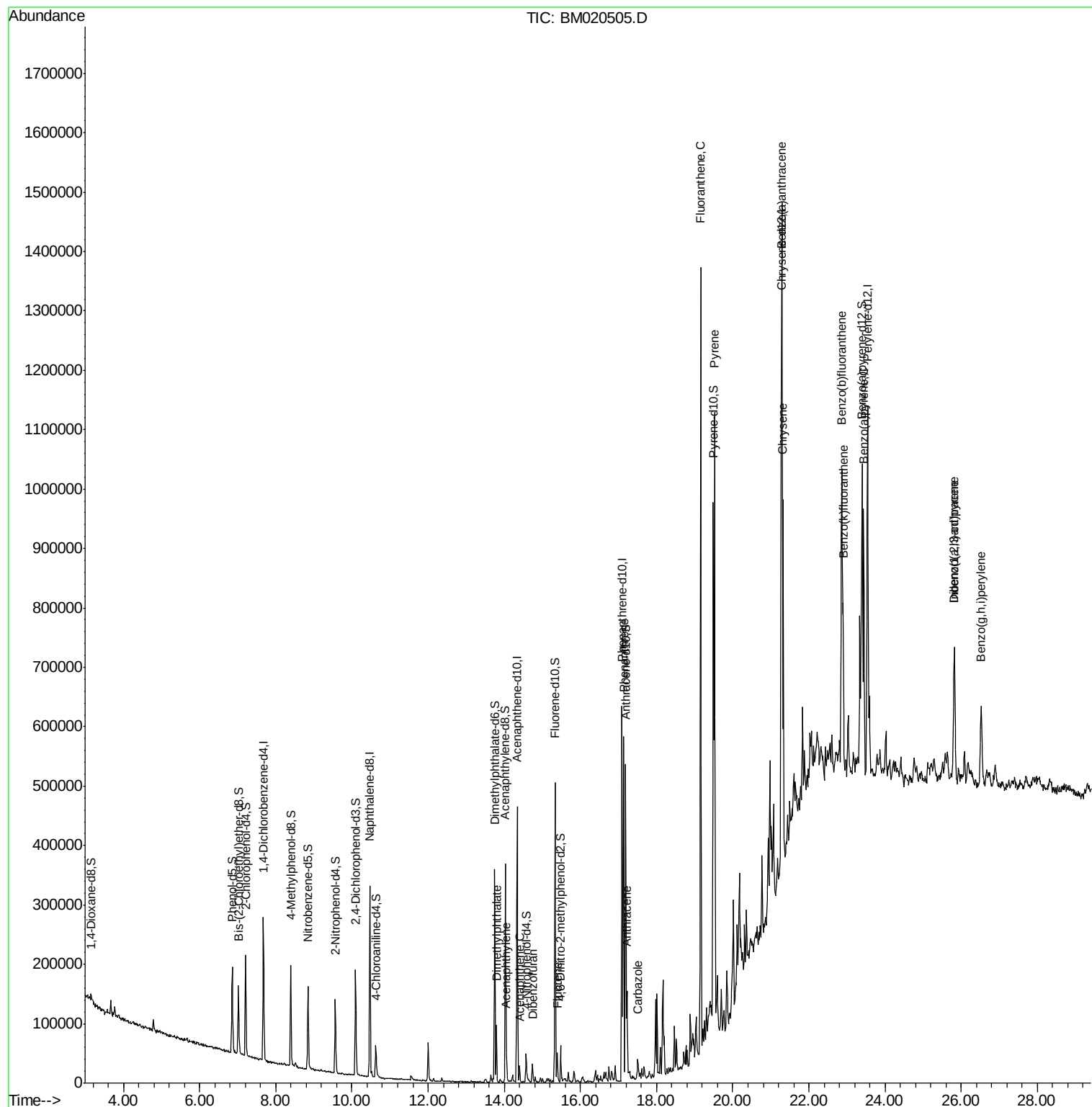
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020505.D
Acq On : 22 May 2019 23:25
Operator : JU/SJ
Sample : K2925-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

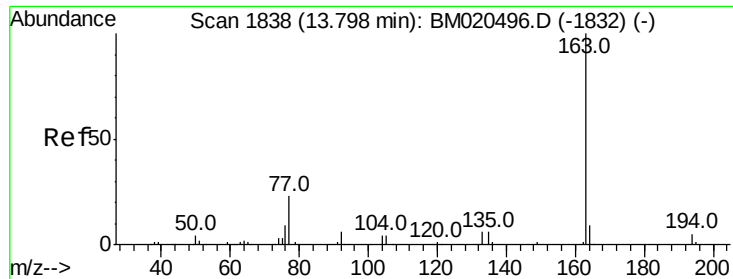
Instrument :
BNA_M
ClientSampleId :
A4286

Quant Time: May 23 08:25:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 23 07:52:10 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:33 PM





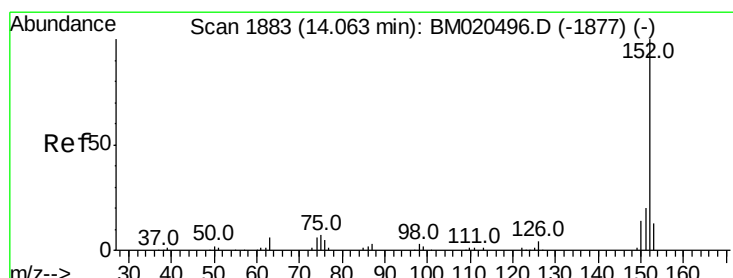
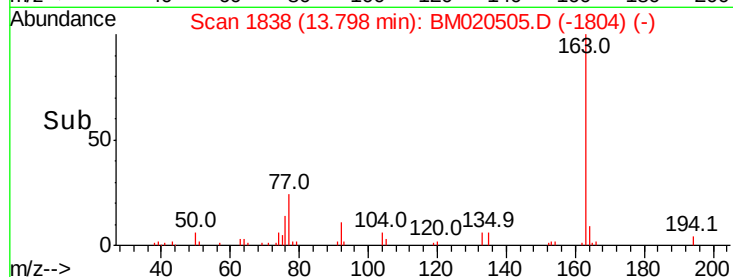
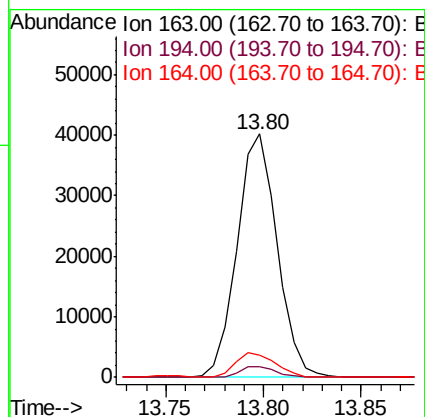
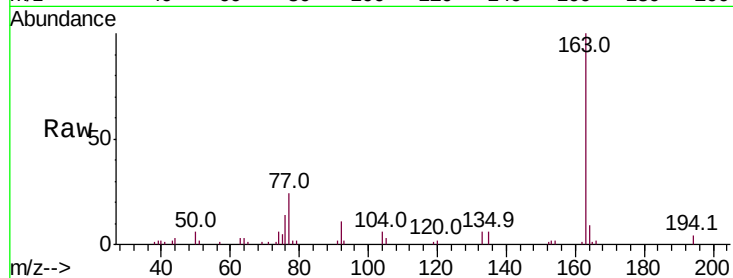
#44
Dimethylphthalate
Concen: 5.305 ng/ul
RT: 13.80 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BM020505.D
Acq: 22 May 2019 23:25

Instrument :
BNA_M
ClientSampled :
A4286

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.3	8.0	12.0

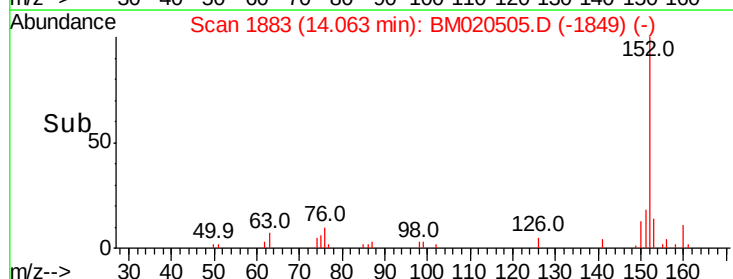
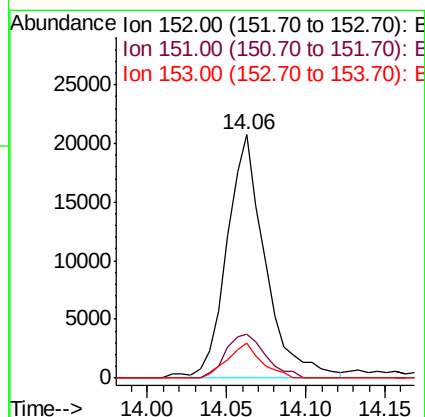
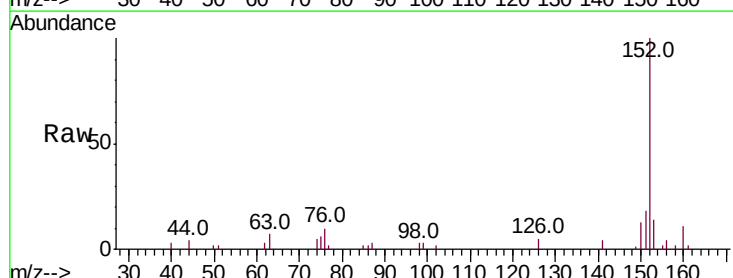
Manual Integrations
APPROVED

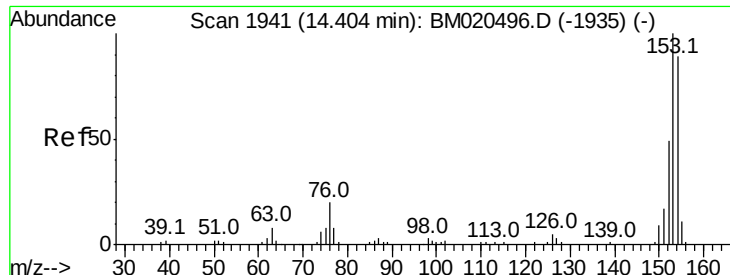
mohammad
5/23/2019 2:22:33 PM



#47
Acenaphthylene
Concen: 2.703 ng/ul
RT: 14.06 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BM020505.D
Acq: 22 May 2019 23:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.4	23.0
153	14.3	10.3	15.5





#49

Acenaphthene

Concen: 1.116 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Instrument :

BNA_M

ClientSampled :

A4286

Tot Ion:153 Resp: 9835

Ion Ratio Lower Upper

153 100

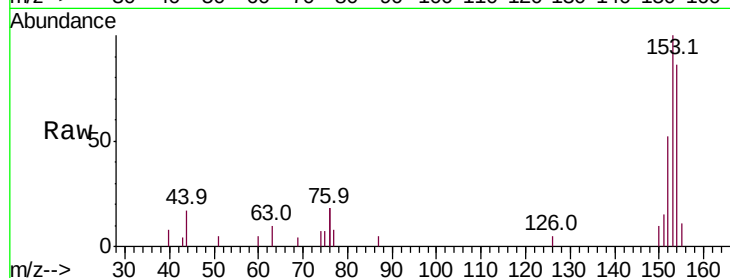
152 52.4 37.9 56.9

154 86.1 71.2 106.8

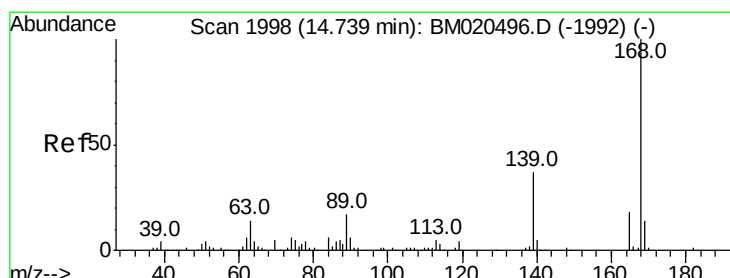
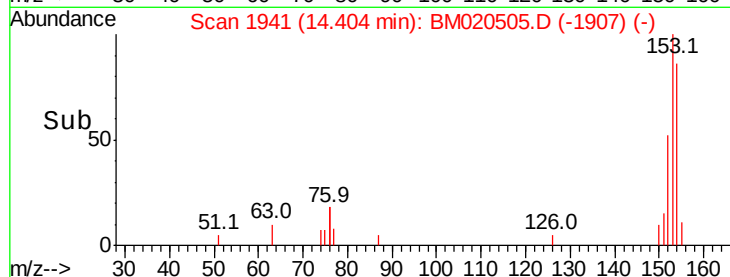
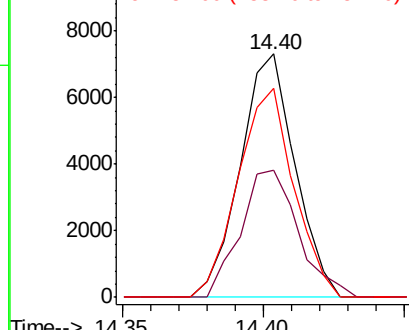
Manual Integrations
APPROVED

mohammad

5/23/2019 2:22:33 PM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.032 ng/ul

RT: 14.74 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BM020505.D

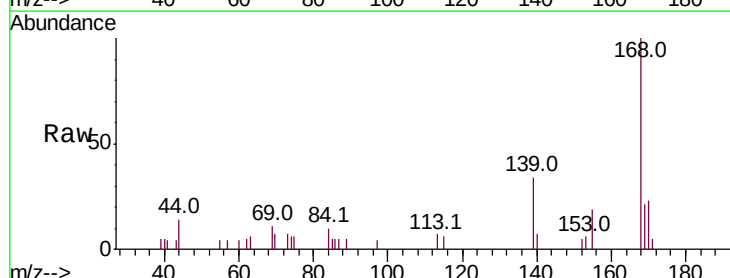
Acq: 22 May 2019 23:25

Tgt Ion:168 Resp: 13777

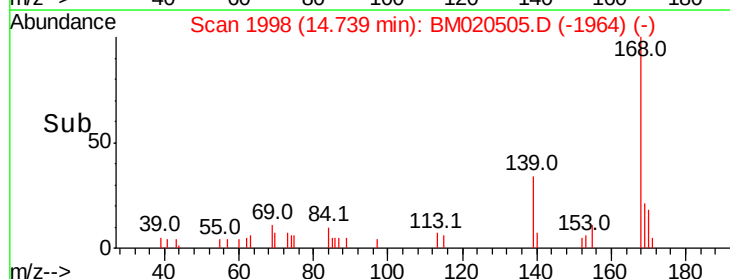
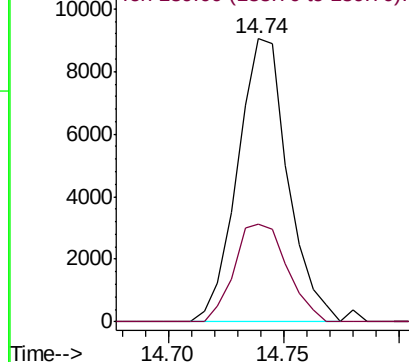
Ion Ratio Lower Upper

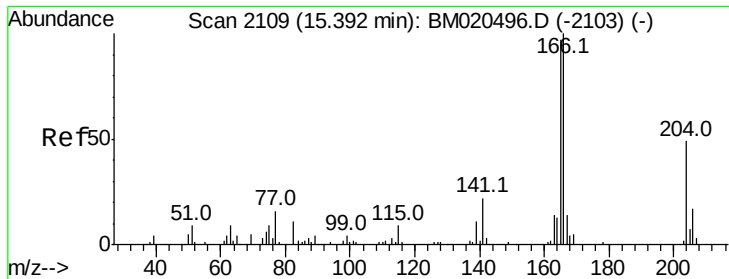
168 100

139 34.5 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





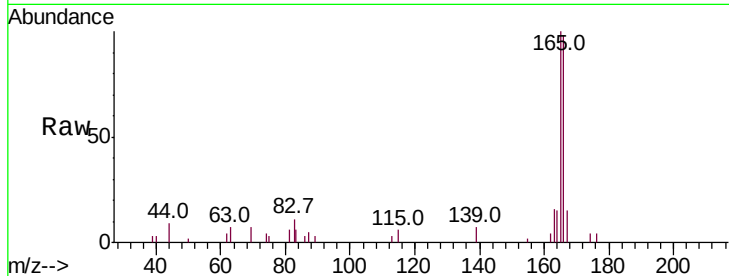
#58
Fluorene
Concen: 2.161 ng/ul
RT: 15.39 min Scan# 2109
Delta R.T. -0.00 min
Lab File: BM020505.D
Acq: 22 May 2019 23:25

Instrument :
BNA_M
ClientSampleId :
A4286

Tot Ion	Ratio	Resp	Lower	Upper
166	100	23112		
165	101.8		77.1	115.7
167	15.2		11.1	16.7

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:33 PM

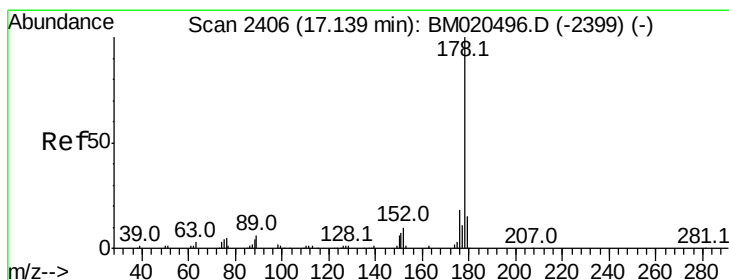
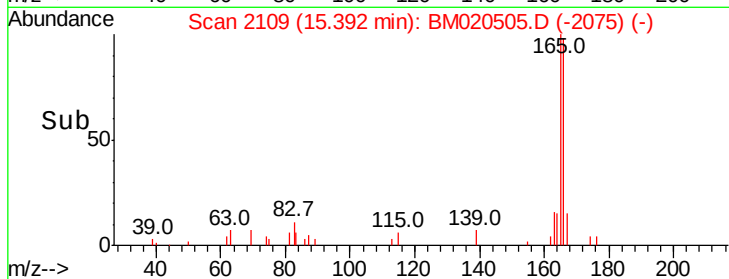
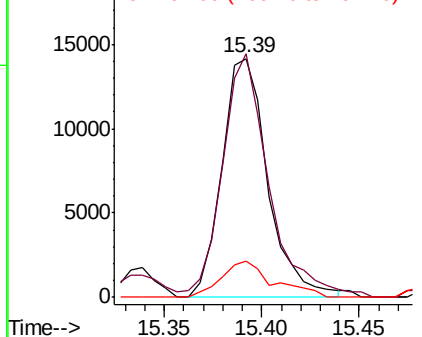


Abundance

Ion 166.00 (165.70 to 166.70): E

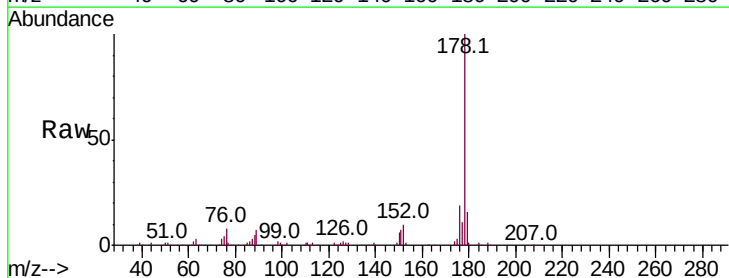
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69
Phenanthrene
Concen: 19.211 ng/ul
RT: 17.13 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BM020505.D
Acq: 22 May 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	341602		
179	15.5		11.9	17.9
176	18.5		14.6	22.0

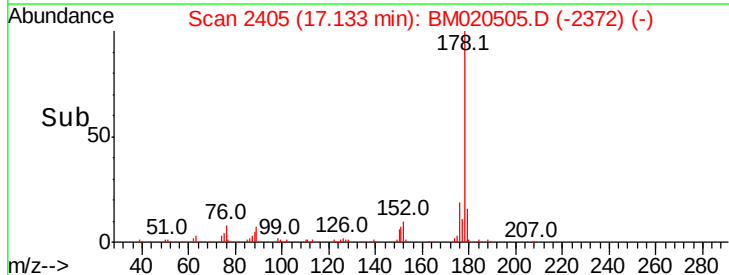
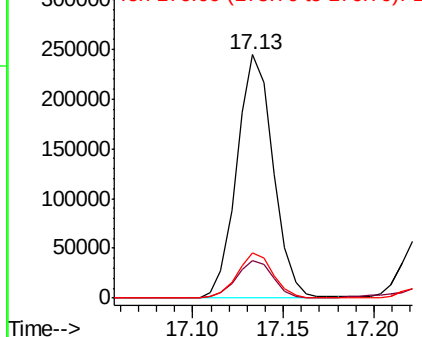


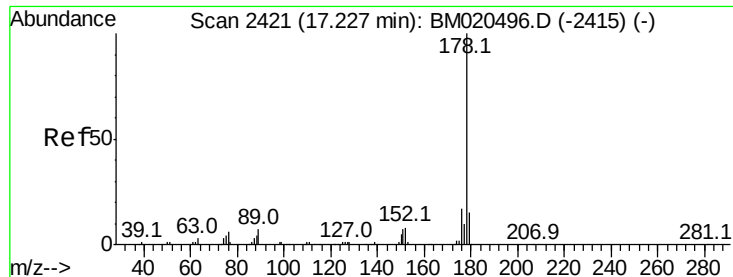
Abundance

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





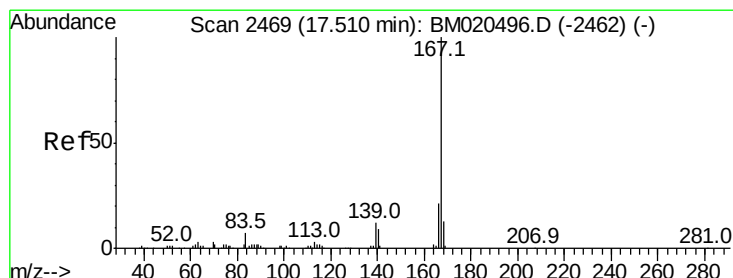
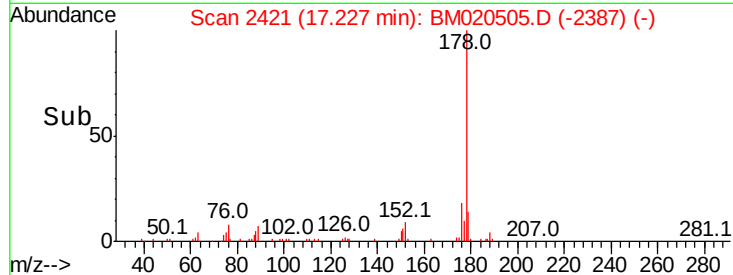
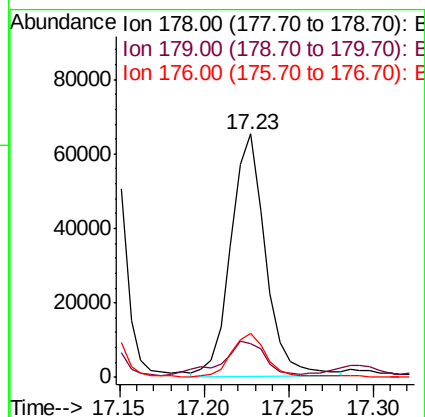
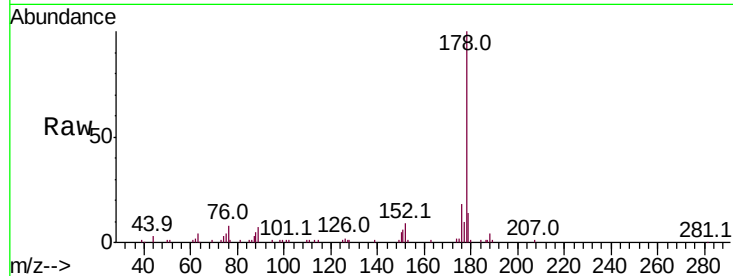
#71
 Anthracene
 Concen: 5.158 ng/ul
 RT: 17.23 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: BM020505.D
 Acq: 22 May 2019 23:25

Instrument :
 BNA_M
 ClientSampleId :
 A4286

Tot Ion:178	Resp:	93291
Ion Ratio	Lower	Upper
178 100		
179 14.0	12.4	18.6
176 18.1	14.4	21.6

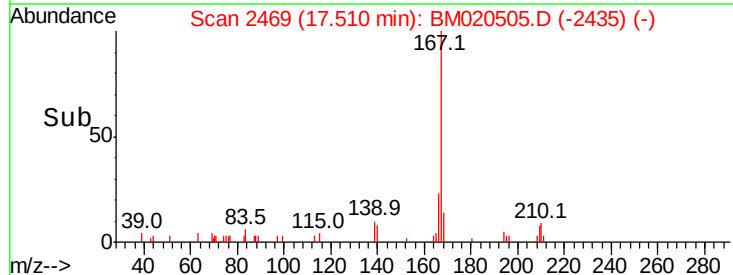
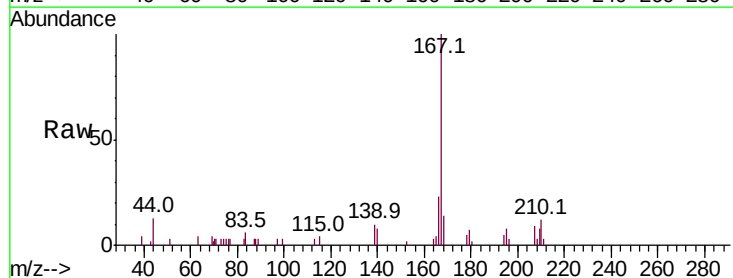
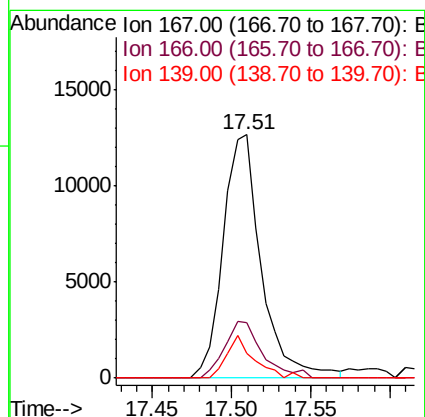
Manual Integrations
 APPROVED

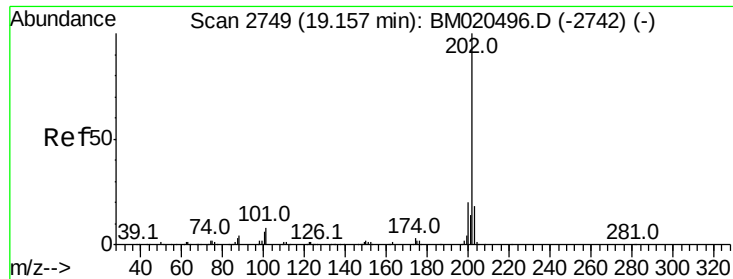
mohammad
 5/23/2019 2:22:33 PM



#74
 Carbazole
 Concen: 1.382 ng/ul
 RT: 17.51 min Scan# 2469
 Delta R.T. -0.00 min
 Lab File: BM020505.D
 Acq: 22 May 2019 23:25

Tgt Ion:167	Resp:	21219
Ion Ratio	Lower	Upper
167 100		
166 22.7	16.6	24.8
139 10.2	9.8	14.8





#76

Fluoranthene

Concen: 33.195 ng/ul

RT: 19.16 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Instrument :

BNA_M

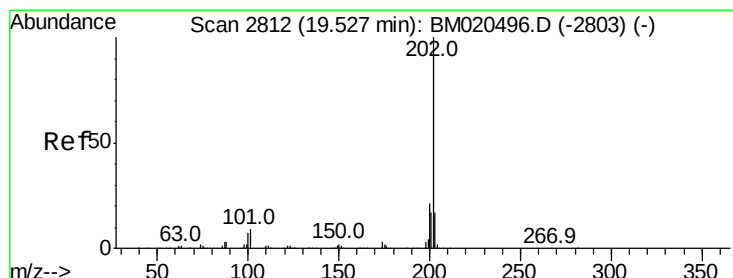
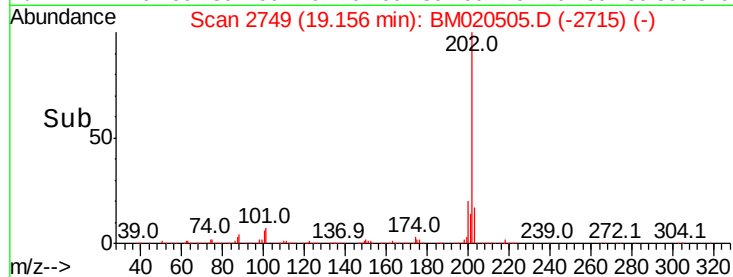
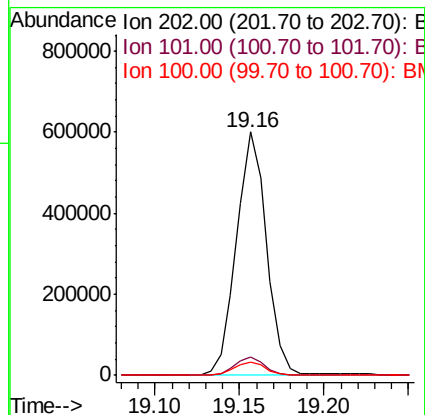
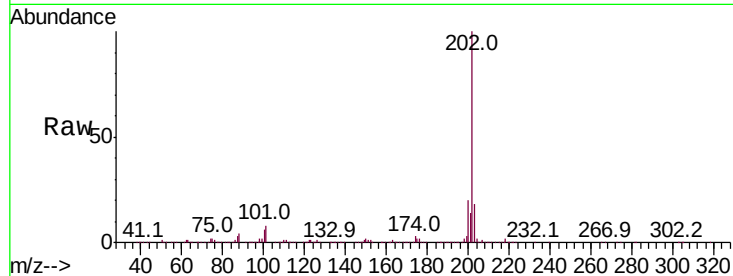
ClientSampleId :

A4286

Tot Ion:	202	Resp:	745622
Ion Ratio	Lower	Upper	
202	100		
101	7.6	6.4	9.6
100	5.6	5.2	7.8

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:33 PM



#79

Pyrene

Concen: 25.098 ng/ul

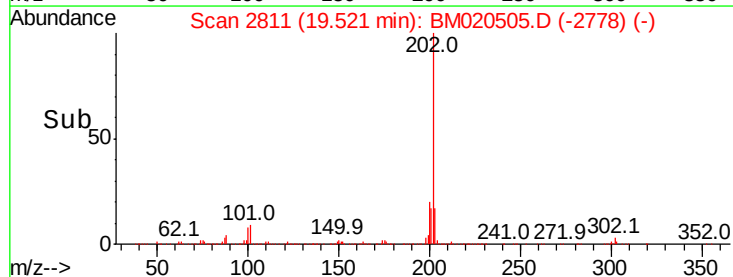
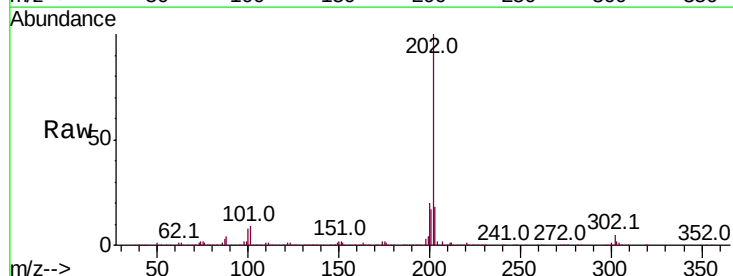
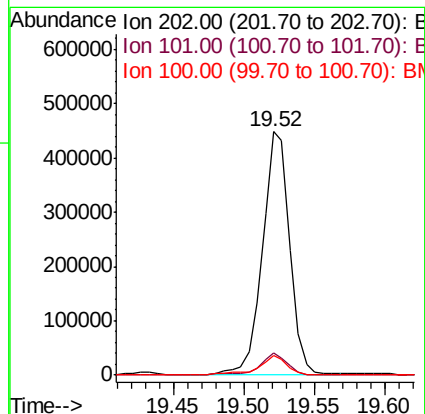
RT: 19.52 min Scan# 2811

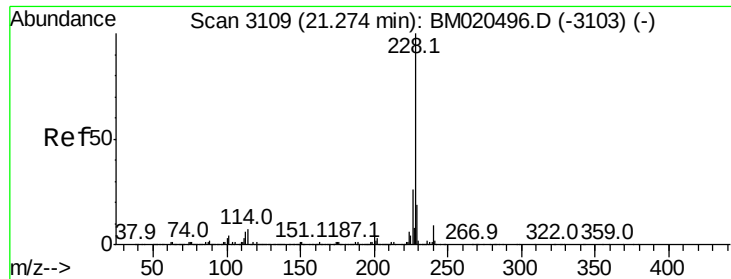
Delta R.T. -0.01 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Tgt Ion:	202	Resp:	606380
Ion Ratio	Lower	Upper	
202	100		
101	9.2	7.1	10.7
100	8.0	5.9	8.9





#82

Benzo(a)anthracene

Concen: 16.416 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Instrument :

BNA_M

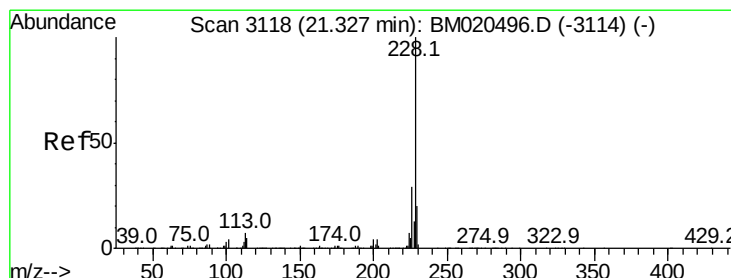
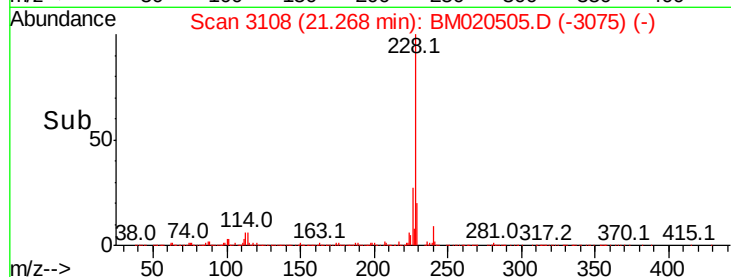
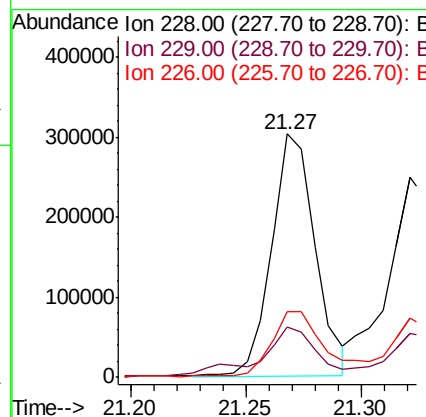
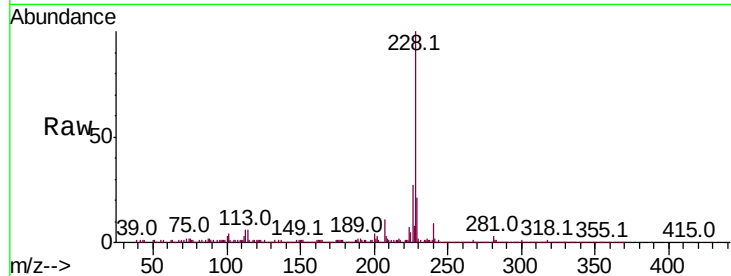
ClientSampleId :

A4286

Tot Ion:	228	Resp:	397725
Ion Ratio	Lower	Upper	
228	100		
229	20.8	15.8	23.8
226	27.0	20.6	30.8

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:33 PM



#84

Chrysene

Concen: 15.278 ng/ul

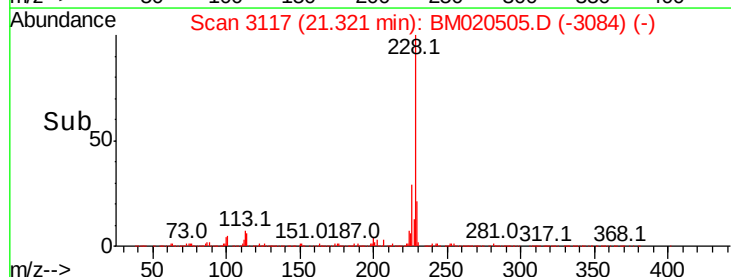
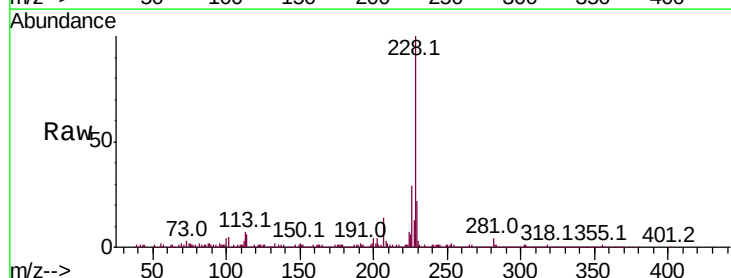
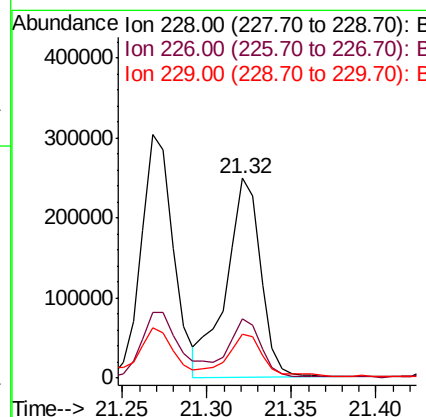
RT: 21.32 min Scan# 3117

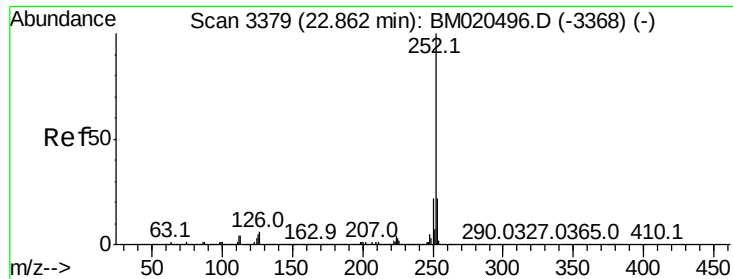
Delta R.T. -0.01 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Tgt Ion:	228	Resp:	353727
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.2	33.4
229	21.7	15.4	23.2





#87

Benzo(b)fluoranthene

Concen: 16.560 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Instrument :

BNA_M

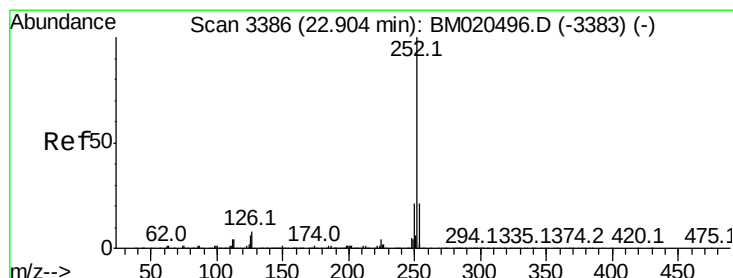
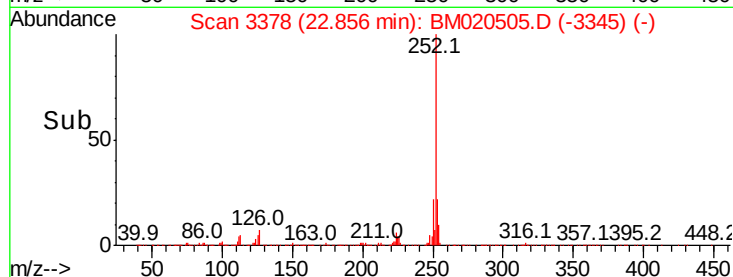
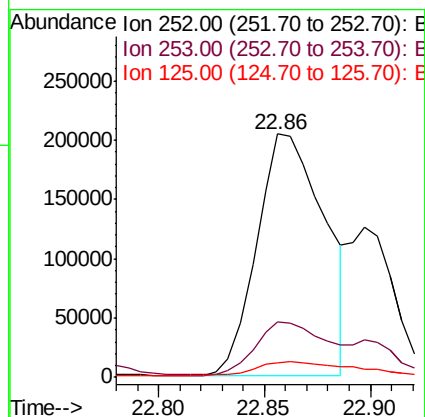
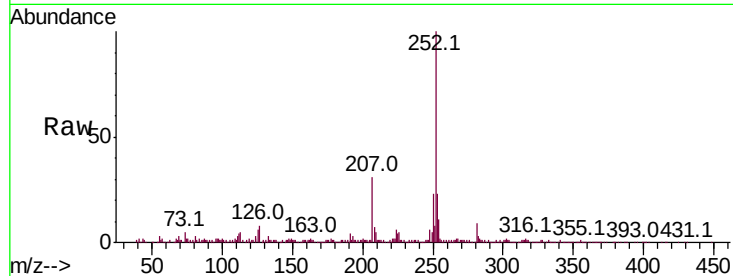
ClientSampled :

A4286

Tot Ion:	252	Resp:	454938
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	6.0	5.0	7.4

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:33 PM



#88

Benzo(k)fluoranthene

Concen: 6.693 ng/ul

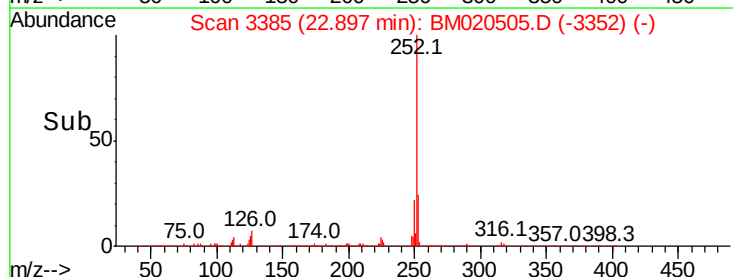
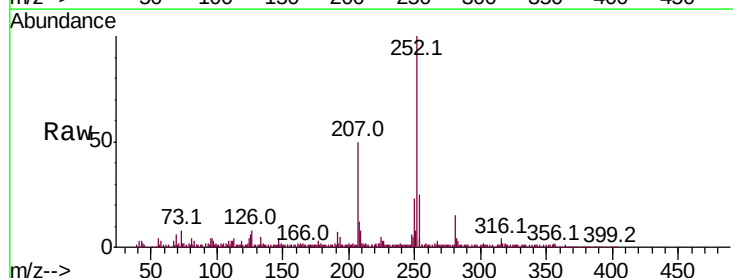
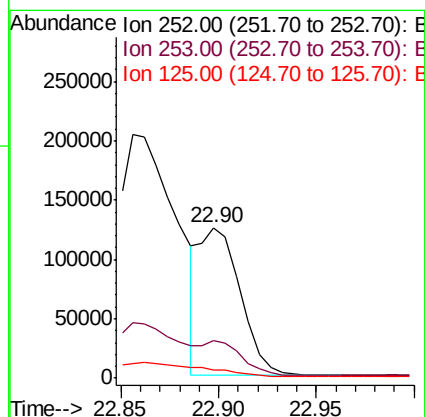
RT: 22.90 min Scan# 3385

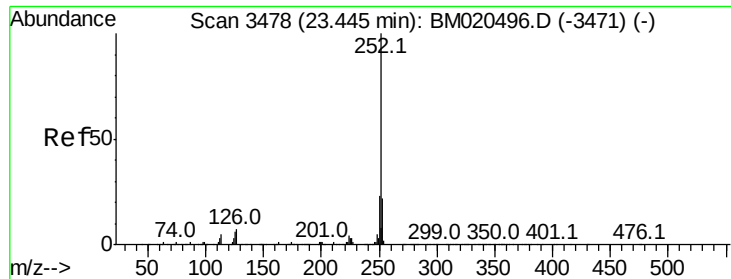
Delta R.T. -0.01 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Tgt Ion:	252	Resp:	180614
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.6	26.4
125	5.7	5.0	7.6





#90

Benzo(a)pyrene

Concen: 12.788 ng/ul

RT: 23.44 min Scan# 3477

Delta R.T. -0.01 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Instrument :

BNA_M

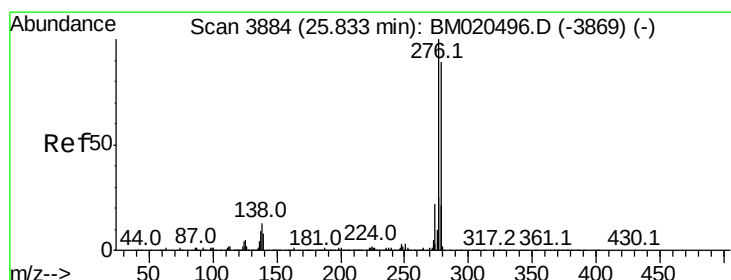
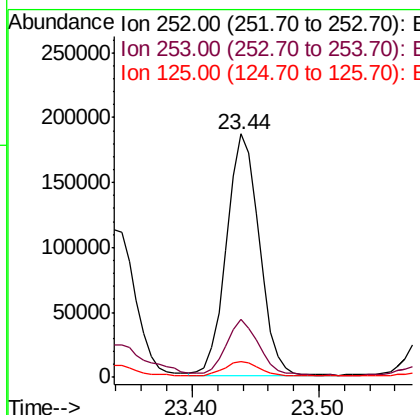
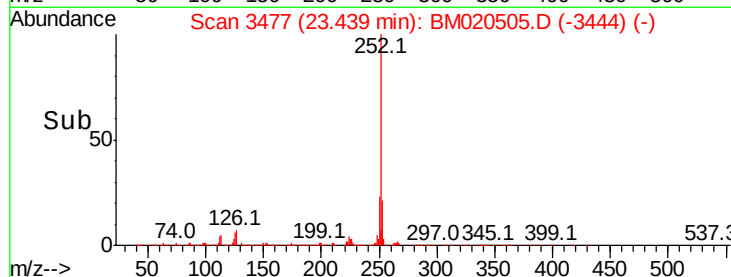
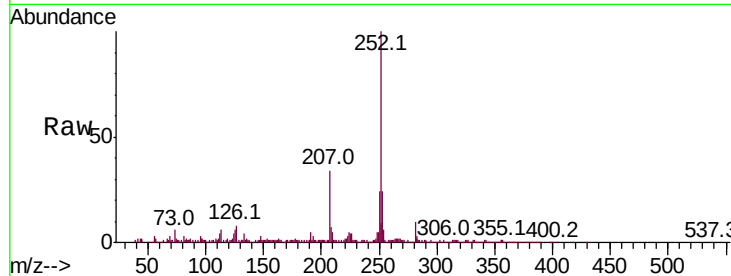
ClientSampled :

A4286

Tot Ion:	252	Resp:	330608
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.2
125	6.5	5.4	8.2

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:33 PM



#91

Indeno(1,2,3-cd)pyrene

Concen: 7.609 ng/ul

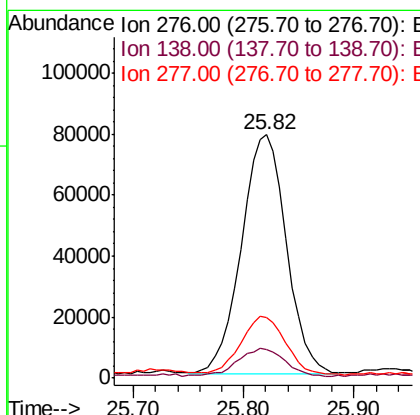
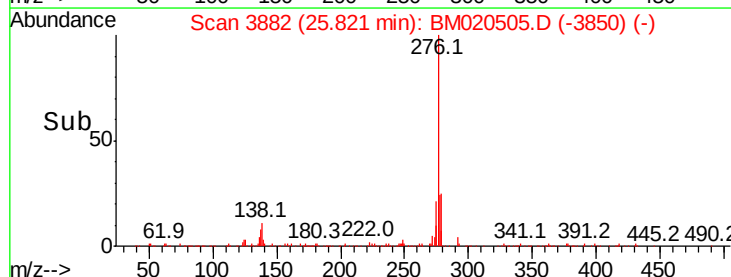
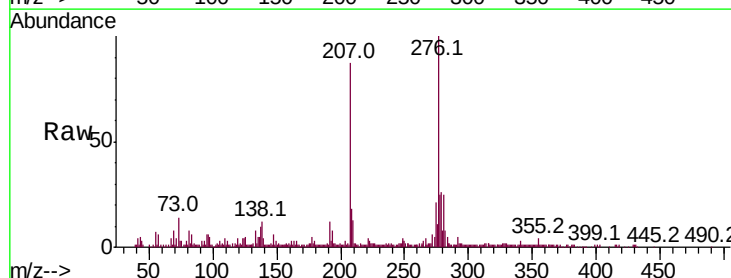
RT: 25.82 min Scan# 3882

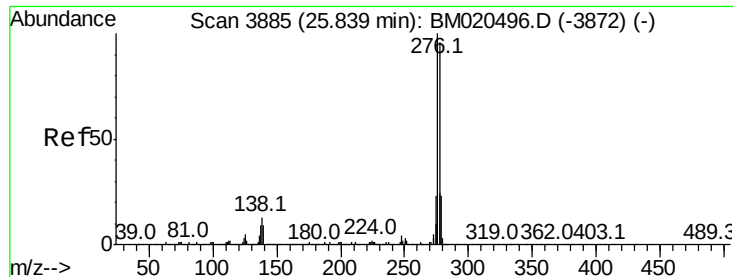
Delta R.T. -0.01 min

Lab File: BM020505.D

Acq: 22 May 2019 23:25

Tgt Ion:	276	Resp:	224164
Ion Ratio	Lower	Upper	
276	100		
138	12.0	12.3	18.5#
277	24.9	20.0	30.0





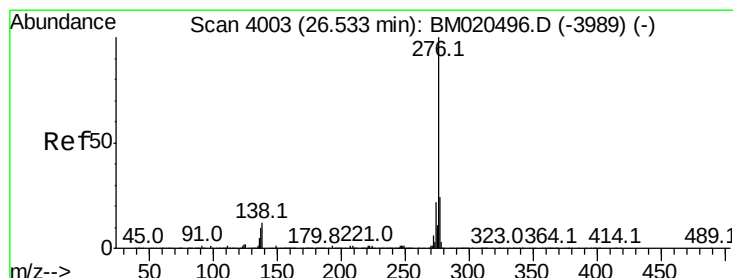
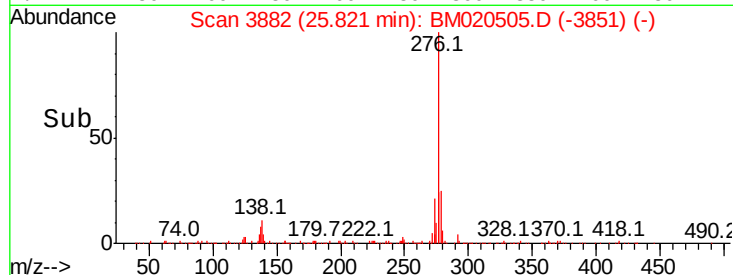
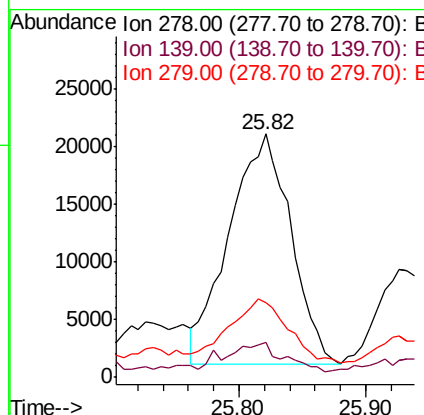
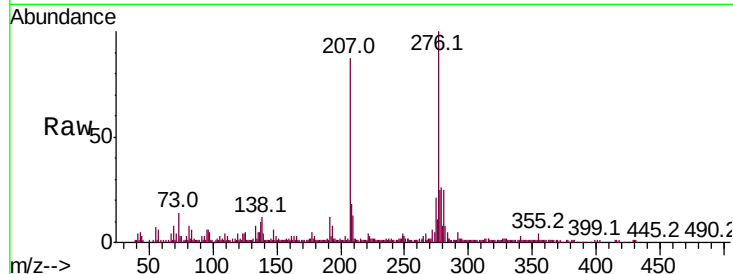
#92
Dibenzo(a,h)anthracene
Concen: 2.672 ng/ul
RT: 25.82 min Scan# 3882
Delta R.T. -0.02 min
Lab File: BM020505.D
Acq: 22 May 2019 23:25

Instrument :
BNA_M
ClientSampleId :
A4286

Tot Ion:	278	Resp:	67320
Ion Ratio	Lower	Upper	
278	100		
139	14.4	8.1	12.1#
279	30.5	18.7	28.1#

Manual Integrations
APPROVED

mohammad
5/23/2019 2:22:33 PM



#93
Benzo(g,h,i)perylene
Concen: 7.440 ng/ul
RT: 26.53 min Scan# 4002
Delta R.T. -0.01 min
Lab File: BM020505.D
Acq: 22 May 2019 23:25

Tgt Ion:	276	Resp:	181417
Ion Ratio	Lower	Upper	
276	100		
138	11.8	10.0	15.0
277	25.2	18.2	27.4

