

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020404.D
 Acq On : 18 May 2019 16:37
 Operator : JU/SJ
 Sample : K2604-13MEDL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ87MEDL

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:48:06 PM

Quant Time: May 20 08:11:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	72858	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	267637	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	165673	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	401372	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	445824	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	488043	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1192	0.60	ng/uL	0.01
5) Phenol-d5	6.90	99	24543m	4.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	19067m	5.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	18750	4.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	14799	3.50	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	9003	5.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	8391	4.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	21554m	5.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	17040m	4.06	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	88264	7.40	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	102504	6.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	1679	0.97	ng/ul	0.01
57) Fluorene-d10	15.37	176	80086	7.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	4790	2.10	ng/ul	0.00
70) Anthracene-d10	17.23	188	119720	6.95	ng/ul	0.00
78) Pyrene-d10	19.53	212	151370	7.05	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	158037	7.13	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.57	128	472548	38.430	ng/ul	99
34) 2-Methylnaphthalene	12.19	142	158503	17.803	ng/ul	99
40) 1,1'-Biphenyl	13.21	154	24525	2.068	ng/ul	97
44) Dimethylphthalate	13.84	163	12833	1.088	ng/ul#	94
47) Acenaphthylene	14.10	152	20082	1.428	ng/ul#	89
49) Acenaphthene	14.45	153	87082	9.009	ng/ul	95
58) Fluorene	15.43	166	54602	4.657	ng/ul	98
69) Phenanthrene	17.17	178	322859	16.882	ng/ul	100
71) Anthracene	17.26	178	82775	4.255	ng/ul	99
76) Fluoranthene	19.19	202	154630	6.401	ng/ul	99
79) Pyrene	19.56	202	223215	8.342	ng/ul	100
82) Benzo(a)anthracene	21.31	228	84418m	3.146	ng/ul	
84) Chrysene	21.36	228	83054	3.239	ng/ul	97
87) Benzo(b)fluoranthene	22.91	252	60557	2.174	ng/ul	98
90) Benzo(a)pyrene	23.49	252	67475	2.574	ng/ul	98
93) Benzo(g,h,i)perylene	26.60	276	30309	1.226	ng/ul	100

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

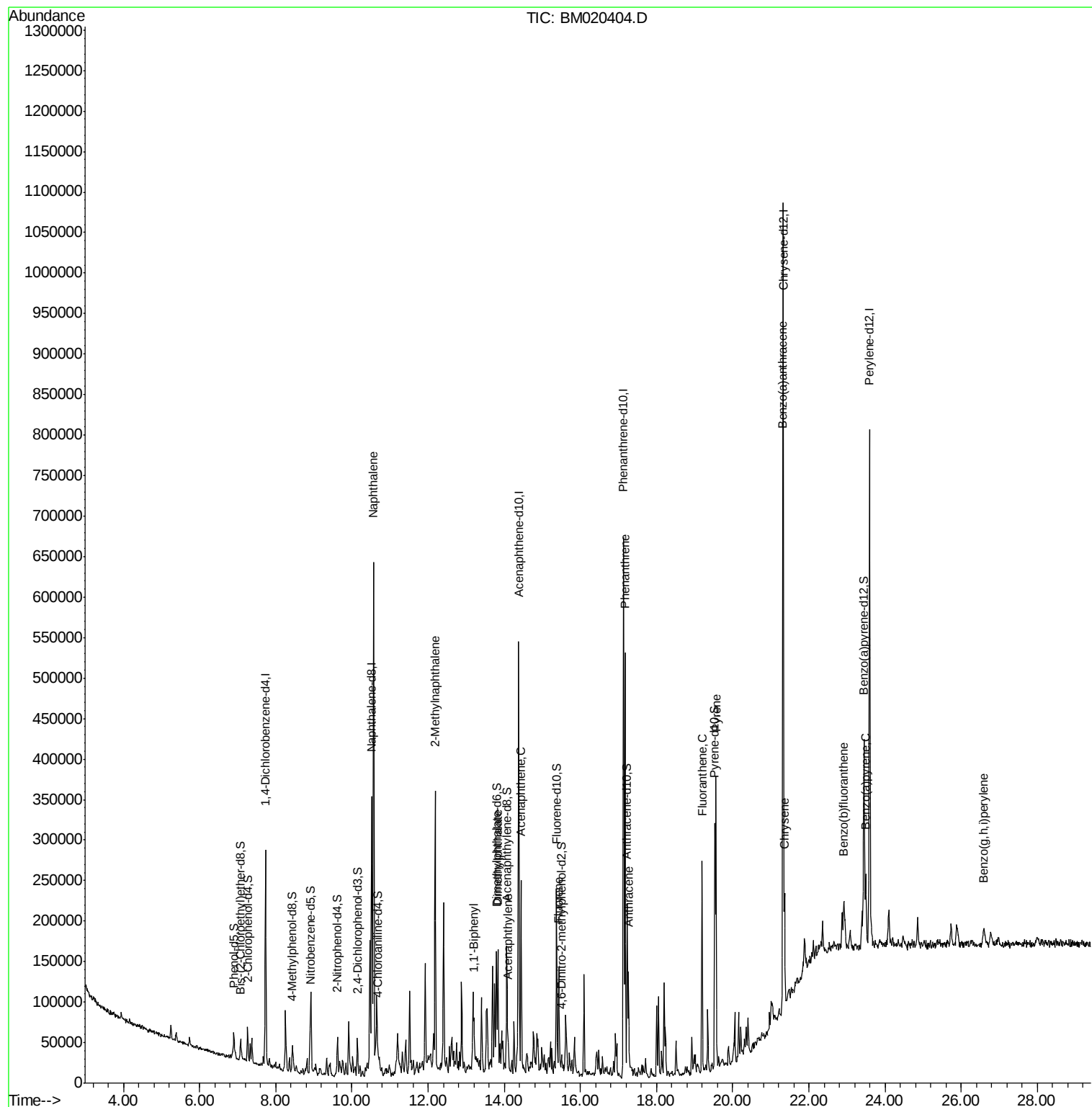
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020404.D
Acq On : 18 May 2019 16:37
Operator : JU/SJ
Sample : K2604-13MEDL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

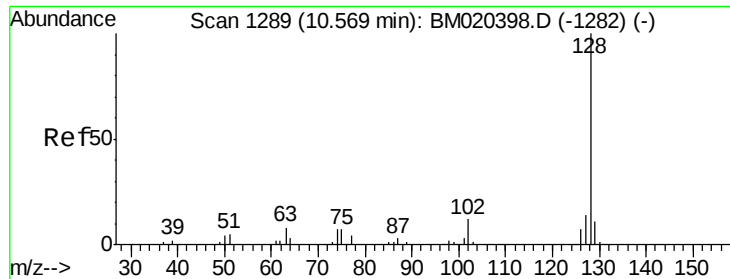
Instrument :
BNA_M
ClientSampleId :
GAJ87MEDL

Manual Integrations
APPROVED

mohammad
5/20/2019 2:48:06 PM

Quant Time: May 20 08:11:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration





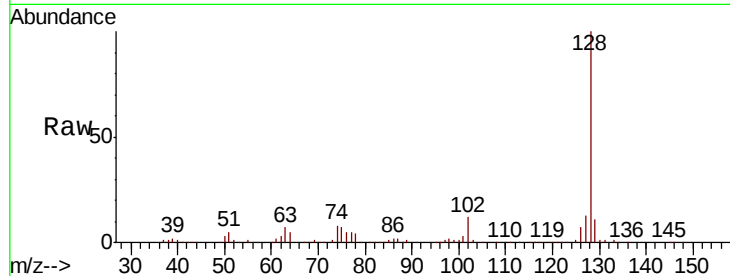
#28
Naphthalene
Concen: 38.430 ng/ul
RT: 10.57 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BM020404.D
Acq: 18 May 2019 16:37

Instrument :
BNA_M
ClientSampleId :
GAJ87MEDL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.1	10.6	15.8

Manual Integrations
APPROVED

mohammad
5/20/2019 2:48:06 PM

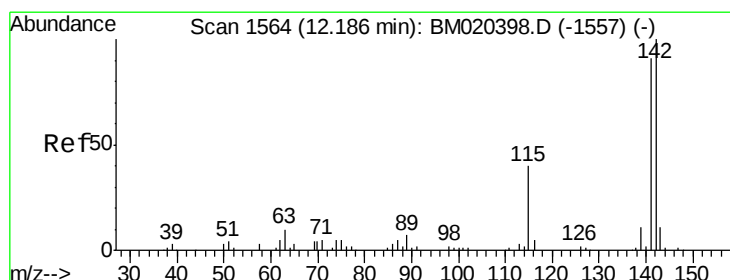
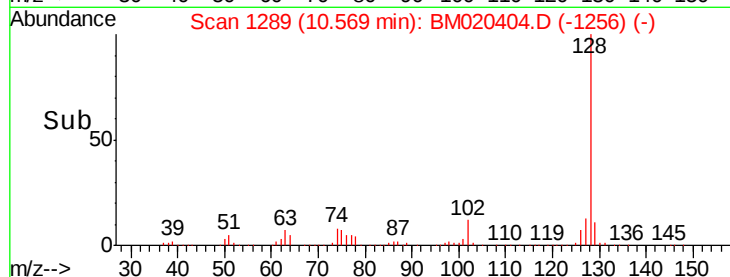
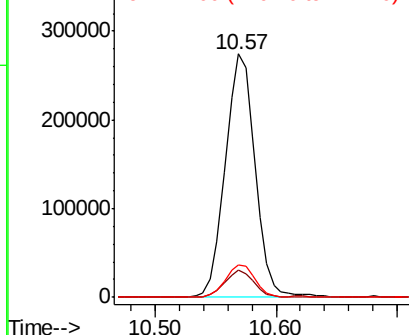


Abundance

Ion 128.00 (127.70 to 128.70): E

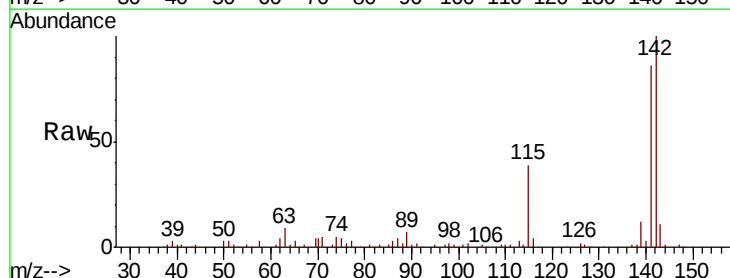
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 17.803 ng/ul
RT: 12.19 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BM020404.D
Acq: 18 May 2019 16:37

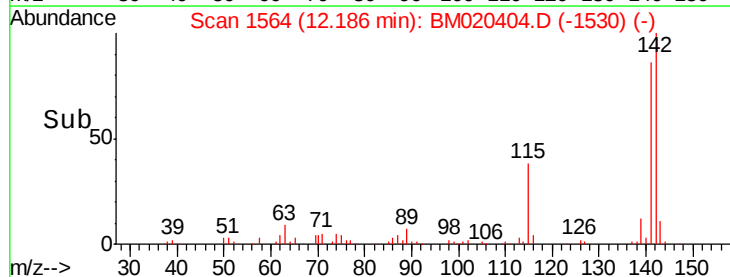
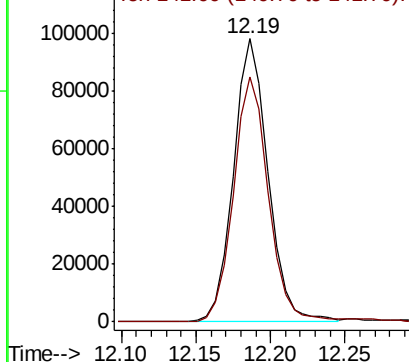
Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.6	102.8

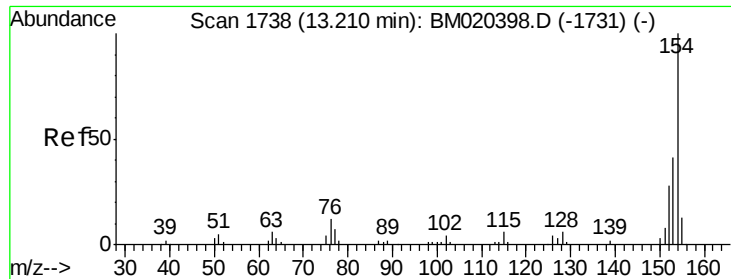


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





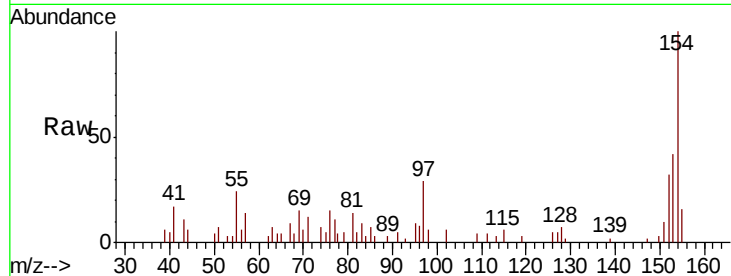
#40
 1,1'-Biphenyl
 Concen: 2.068 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Instrument :
 BNA_M
 ClientSampleId :
 GAJ87MEDL

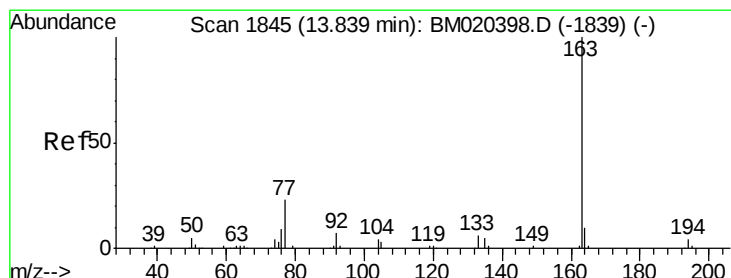
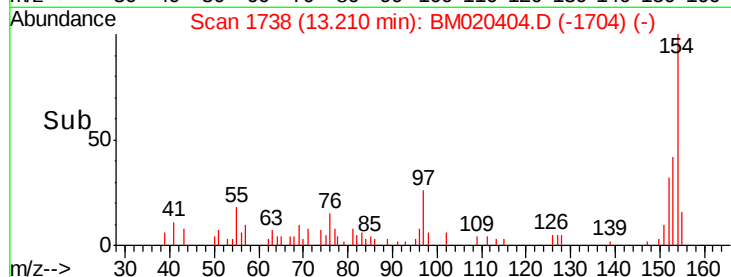
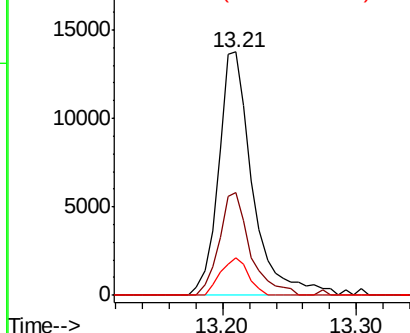
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.2	48.4
76	15.2	11.0	16.4

Manual Integrations
 APPROVED

mohammad
 5/20/2019 2:48:06 PM

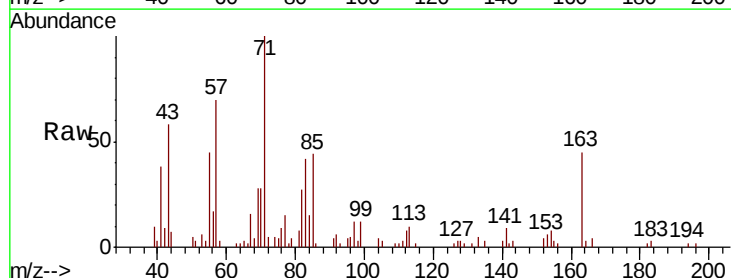


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

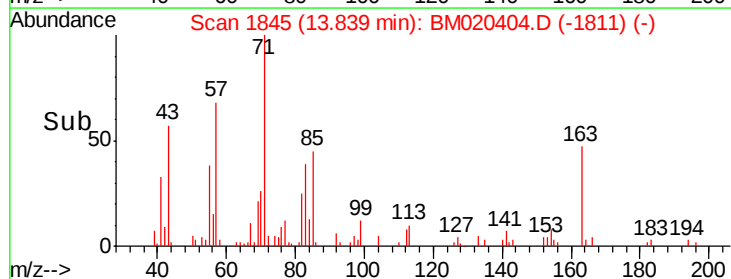
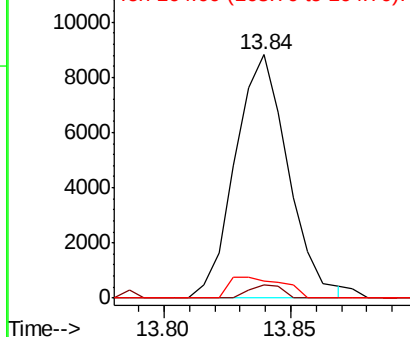


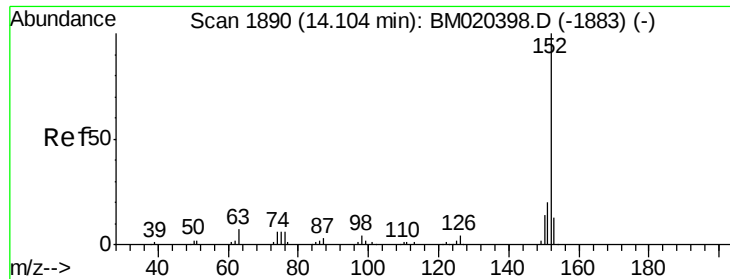
#44
 Dimethylphthalate
 Concen: 1.088 ng/ul
 RT: 13.84 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.3	4.9#
164	7.2	8.0	12.0#



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.428 ng/ul

RT: 14.10 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

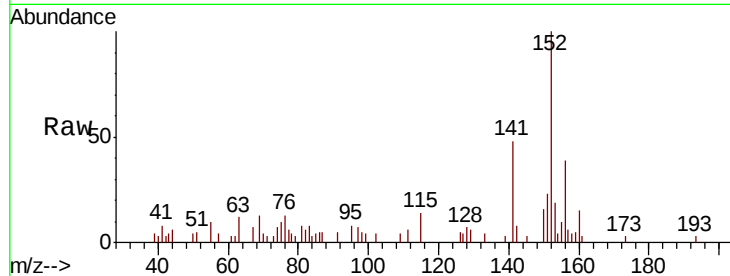
ClientSampleId :

GAJ87MEDL

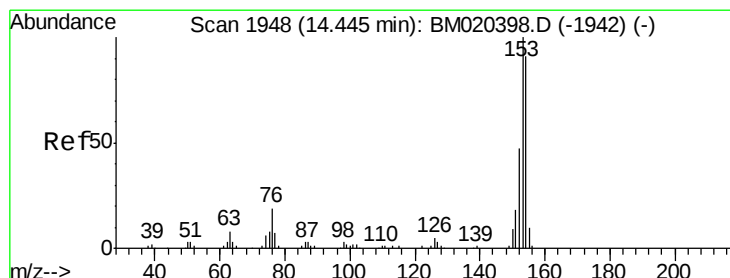
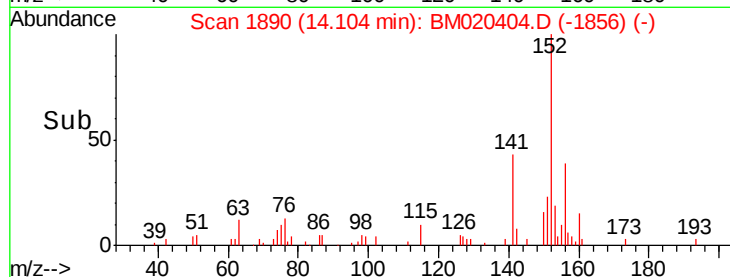
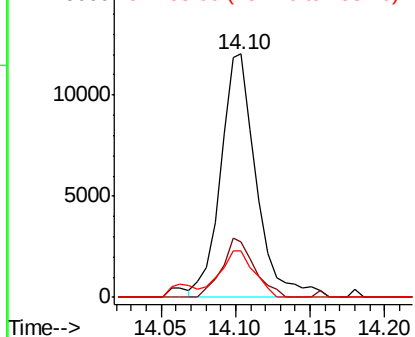
Tot Ion:	152	Resp:	20082
Ion Ratio	Lower	Upper	
152	100		
151	23.0	15.4	23.0
153	19.1	10.3	15.5#

Manual Integrations
APPROVED

mohammad
5/20/2019 2:48:06 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 9.009 ng/ul

RT: 14.45 min Scan# 1948

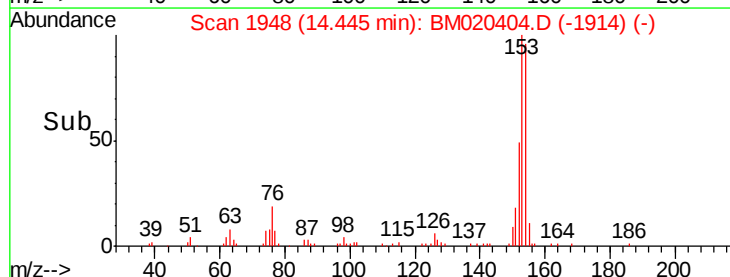
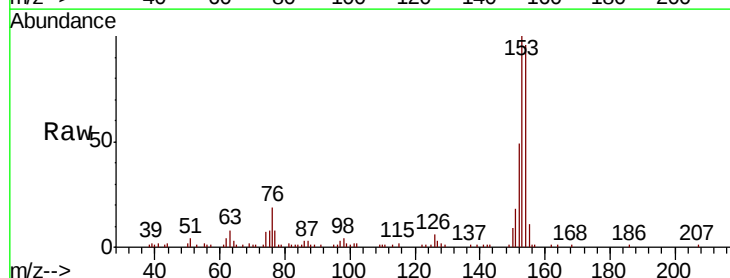
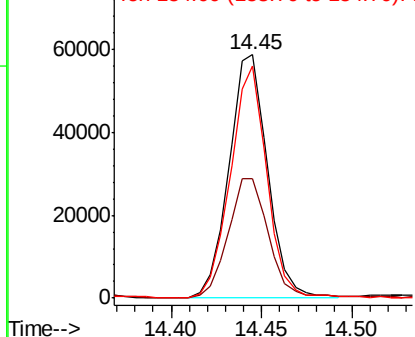
Delta R.T. 0.00 min

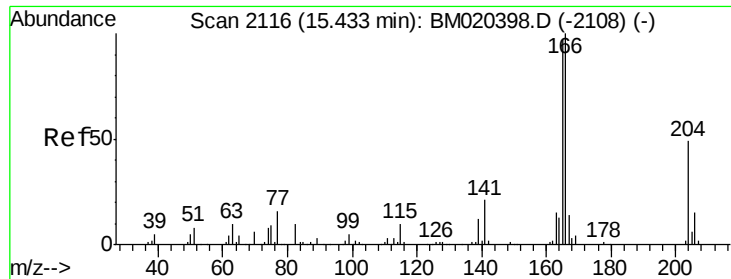
Lab File: BM020404.D

Acq: 18 May 2019 16:37

Tgt Ion:	153	Resp:	87082
Ion Ratio	Lower	Upper	
153	100		
152	48.9	37.9	56.9
154	95.5	71.2	106.8

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





#58

Fluorene

Concen: 4.657 ng/ul

RT: 15.43 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

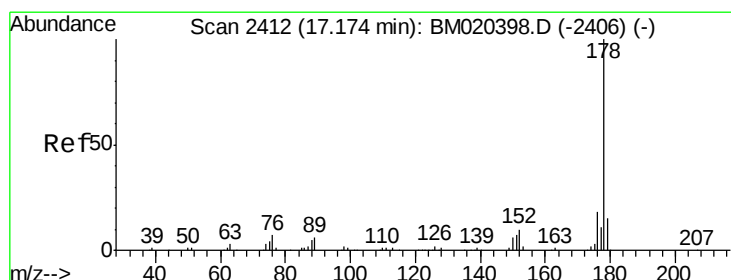
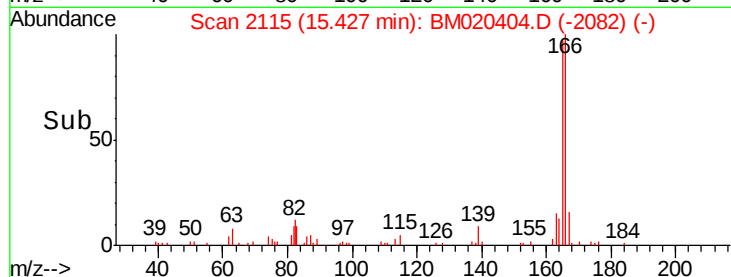
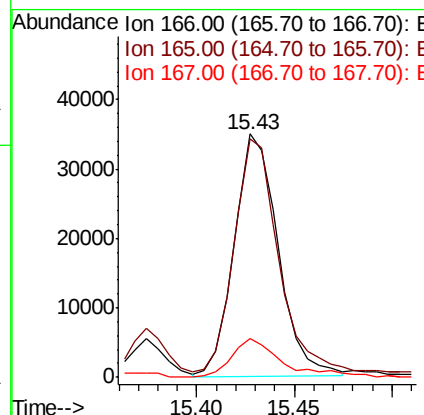
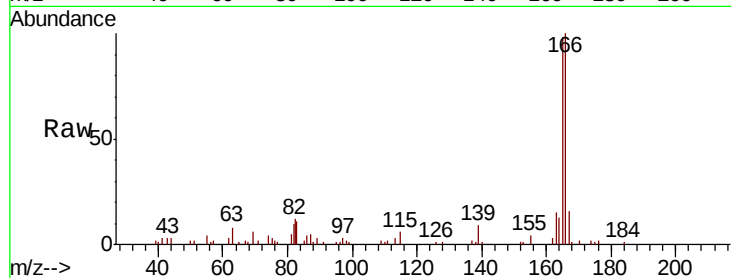
ClientSampleId :

GAJ87MEDL

Tot Ion:	166	Resp:	54602
Ion Ratio	Lower	Upper	
166	100		
165	97.8	77.1	115.7
167	15.8	11.1	16.7

Manual Integrations
APPROVED

mohammad
5/20/2019 2:48:06 PM



#69

Phenanthrene

Concen: 16.882 ng/ul

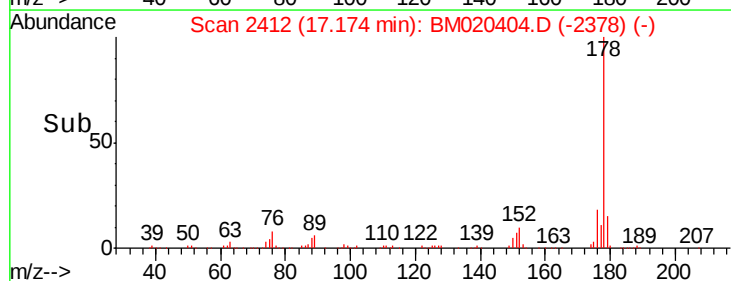
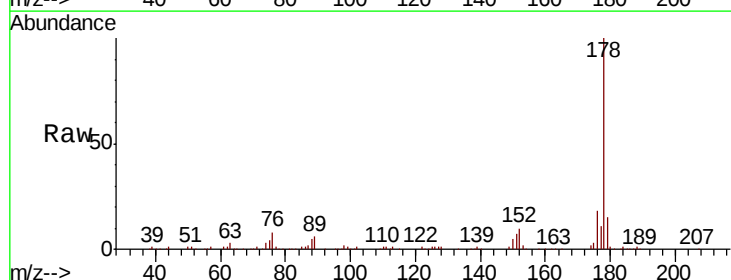
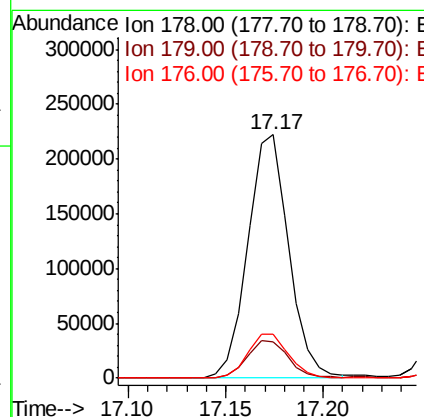
RT: 17.17 min Scan# 2412

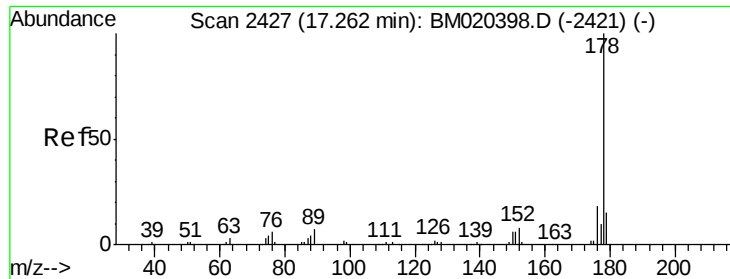
Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Tgt Ion:	178	Resp:	322859
Ion Ratio	Lower	Upper	
178	100		
179	14.9	11.9	17.9
176	17.9	14.6	22.0





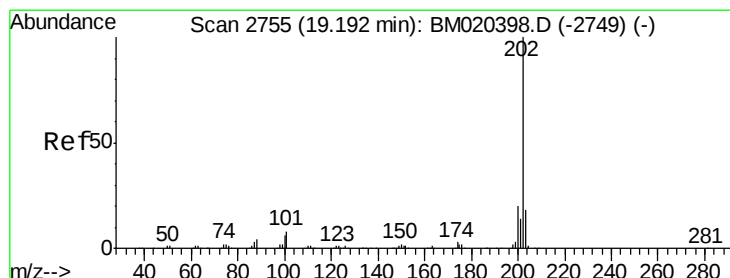
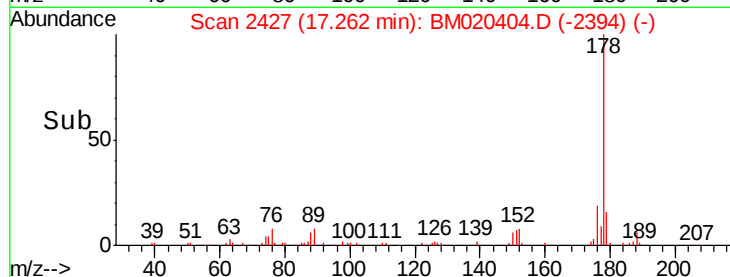
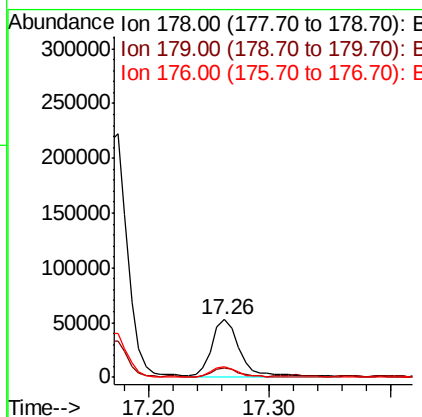
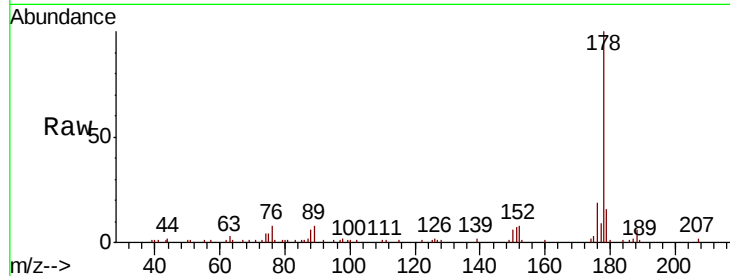
#71
 Anthracene
 Concen: 4.255 ng/ul
 RT: 17.26 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Instrument :
 BNA_M
 ClientSampleId :
 GAJ87MEDL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.4	18.6
176	18.5	14.4	21.6

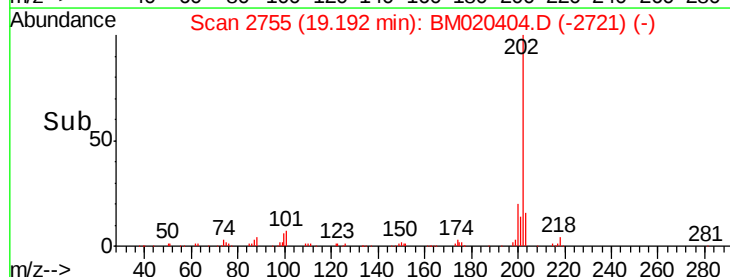
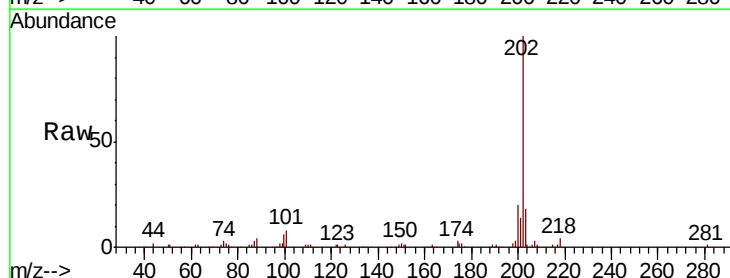
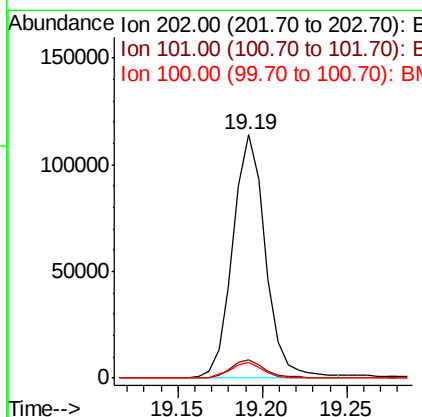
Manual Integrations
 APPROVED

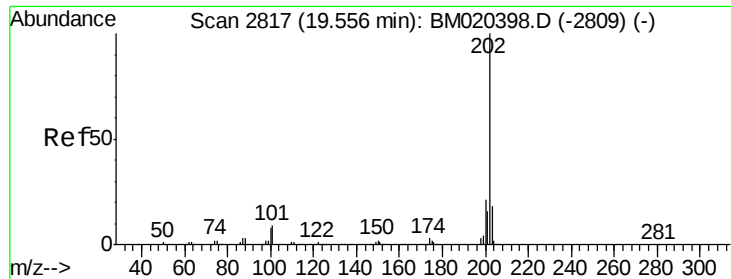
mohammad
 5/20/2019 2:48:06 PM



#76
 Fluoranthene
 Concen: 6.401 ng/ul
 RT: 19.19 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.4	9.6
100	6.5	5.2	7.8





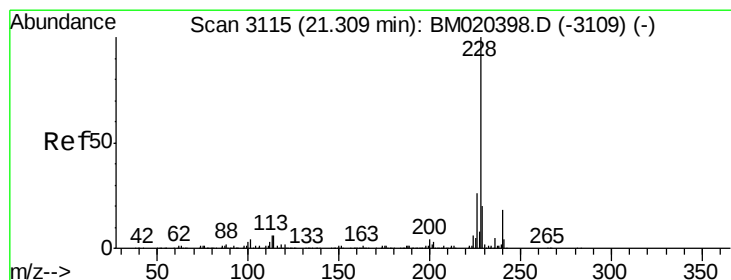
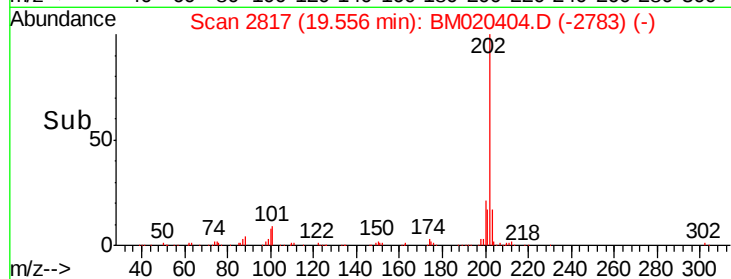
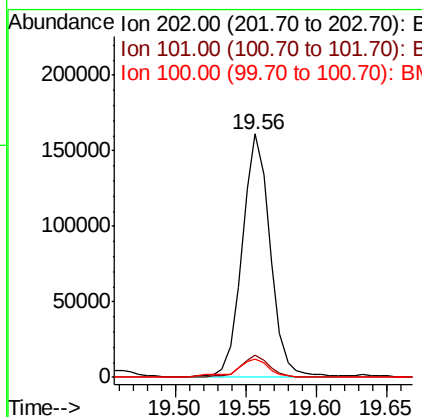
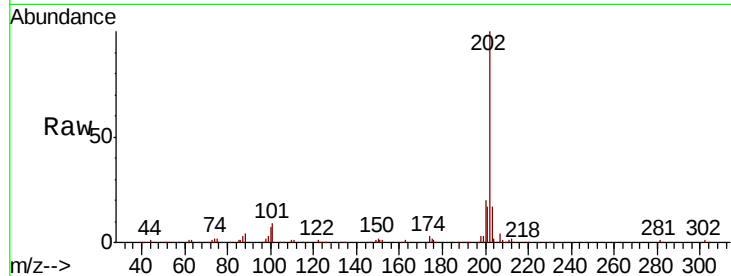
#79
Pvrene
Concen: 8.342 ng/ul
RT: 19.56 min Scan# 2817
Delta R.T. 0.00 min
Lab File: BM020404.D
Acq: 18 May 2019 16:37

Instrument :
BNA_M
ClientSampleId :
GAJ87MEDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.0	7.1	10.7
100	7.4	5.9	8.9

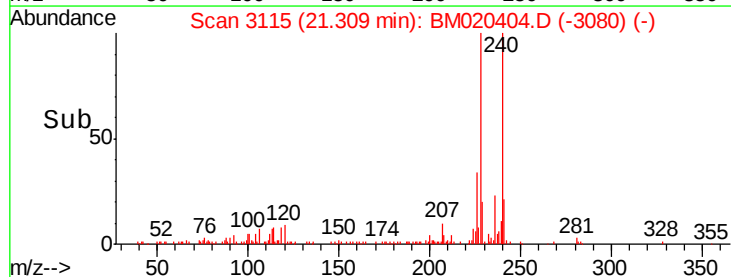
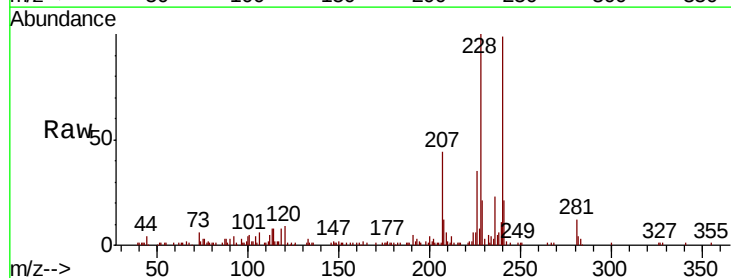
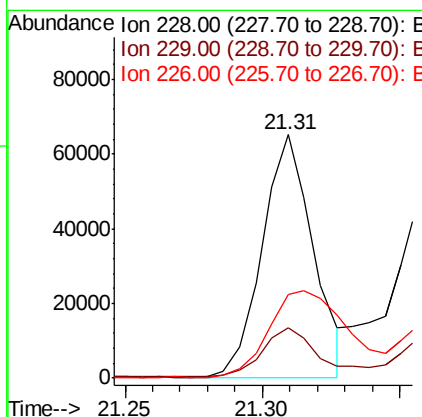
Manual Integrations
APPROVED

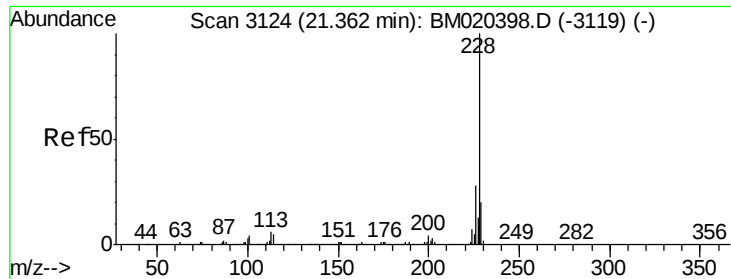
mohammad
5/20/2019 2:48:06 PM



#82
Benzo(a)anthracene
Concen: 3.146 ng/ul m
RT: 21.31 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BM020404.D
Acq: 18 May 2019 16:37

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.6	15.8	23.8
226	34.5	20.6	30.8#





#84

Chrysene

Concen: 3.239 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

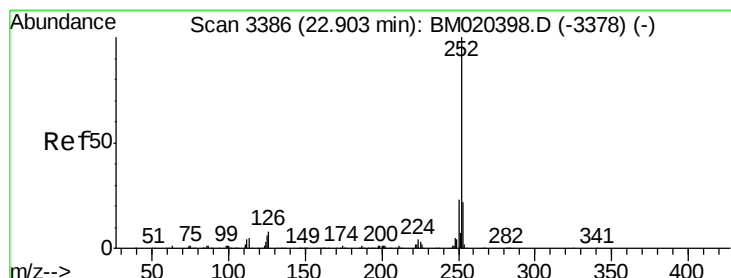
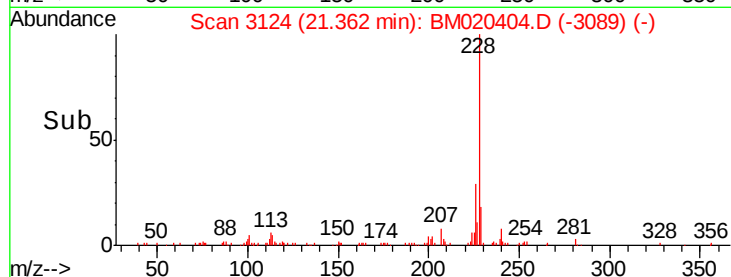
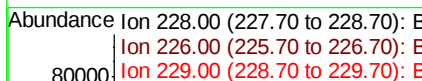
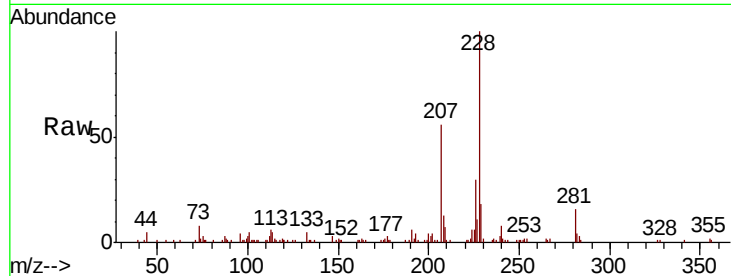
ClientSampleId :

GAJ87MEDL

Tot Ion:	228	Resp:	83054
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.2	33.4
229	18.4	15.4	23.2

Manual Integrations
APPROVED

mohammad
5/20/2019 2:48:06 PM



#87

Benzo(b)fluoranthene

Concen: 2.174 ng/ul

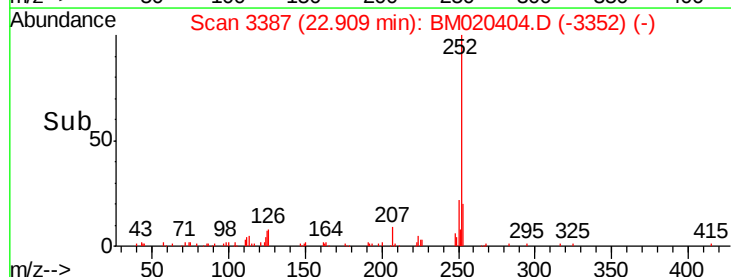
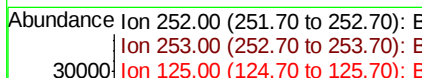
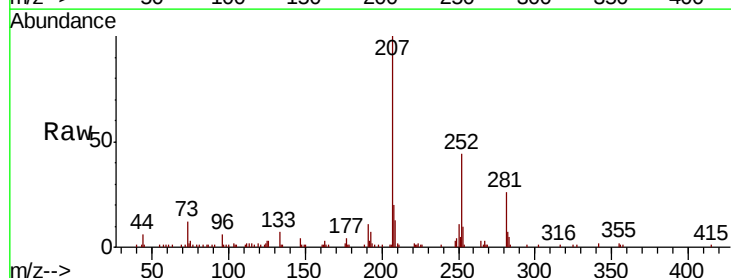
RT: 22.91 min Scan# 3387

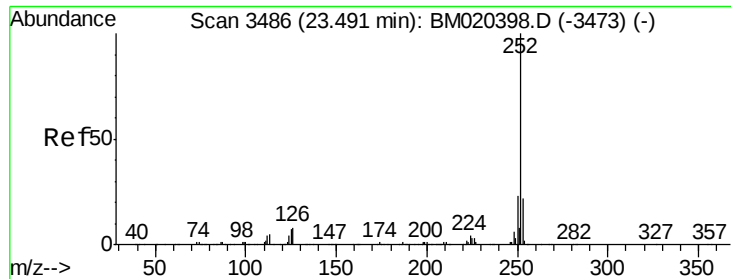
Delta R.T. 0.01 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Tgt Ion:	252	Resp:	60557
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	7.2	5.0	7.4





#90

Benzo(a)pyrene

Concen: 2.574 ng/ul

RT: 23.49 min Scan# 3486

Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

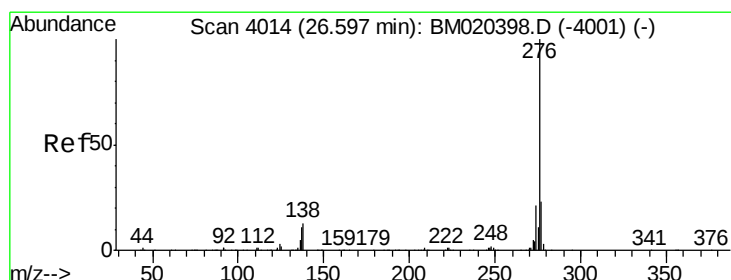
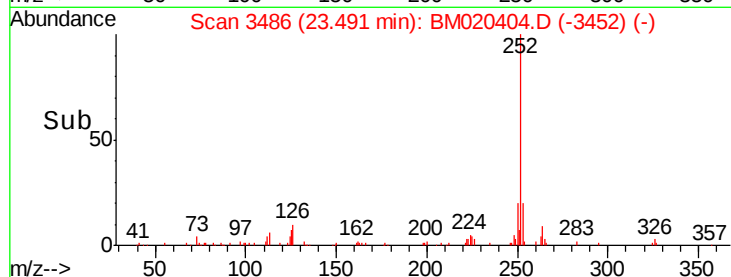
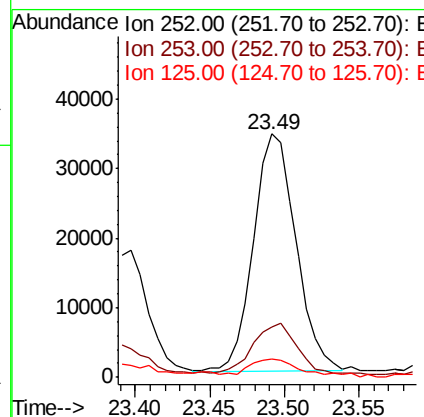
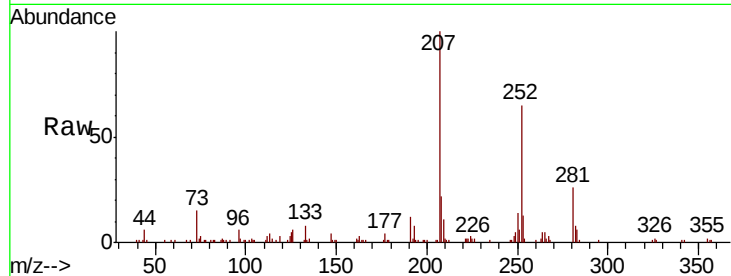
ClientSampleId :

GAJ87MEDL

Tot Ion:	252	Resp:	67475
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.4	26.2
125	7.5	5.4	8.2

Manual Integrations
APPROVED

mohammad
5/20/2019 2:48:06 PM



#93

Benzo(g,h,i)perylene

Concen: 1.226 ng/ul

RT: 26.60 min Scan# 4014

Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Tgt Ion:	276	Resp:	30309
Ion Ratio	Lower	Upper	
276	100		
138	12.6	10.0	15.0
277	22.6	18.2	27.4

