

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
 Data File : BM022383.D
 Acq On : 28 Aug 2019 11:45
 Operator : HP/JU
 Sample : K4414-07DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 ETJR1DL

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:52:13 AM

Quant Time: Sep 03 03:05:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 28 13:13:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	25297	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.32	136	115148	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.19	164	85685	20.00	ng/ul	-0.02
61) Phenanthrene-d10	16.96	188	205321	20.00	ng/ul	-0.02
77) Chrysene-d12	21.17	240	186205	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	178675	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.75	99	3291	1.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	7529	5.93	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.08	132	8905	5.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	7018	3.71	ng/ul	0.00
19) Nitrobenzene-d5	8.71	128	5328	6.21	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.42	143	6219	6.22	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.96	165	11988	5.89	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.62	166	50295	6.67	ng/ul	-0.01
46) Acenaphthylene-d8	13.89	160	53391	6.57	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.54	143	109	0.10	ng/ul	0.07
57) Fluorene-d10	15.20	176	44423	7.10	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.39	200	4836	3.05	ng/ul	0.00
70) Anthracene-d10	17.06	188	76230	7.01	ng/ul	-0.02
78) Pyrene-d10	19.37	212	90491	9.35	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.23	264	67691	6.90	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.78	94	5185	2.218 ng/ul#	83
11) 2-Methylphenol	8.00	108	9048	4.915 ng/ul	92
14) Acetophenone	8.38	105	11231	3.433 ng/ul	96
16) 4-Methylphenol	8.33	108	10545	5.210 ng/ul	94
21) Isophorone	9.27	82	24492	5.315 ng/ul	98
28) Naphthalene	10.39	128	13428114	2113.136 ng/ul	97
34) 2-Methylnaphthalene	11.98	142	231437	47.270 ng/ul	96
40) 1,1'-Biophenyl	13.02	154	50516	7.244 ng/ul	100
47) Acenaphthylene	13.92	152	179404	21.287 ng/ul	99
49) Acenaphthene	14.26	153	12923	2.160 ng/ul	99
58) Fluorene	15.25	166	61484	8.191 ng/ul	98
69) Phenanthrene	17.00	178	344588	28.053 ng/ul	98
71) Anthracene	17.09	178	75094	5.875 ng/ul	98
74) Carbazole	17.39	167	13802	1.195 ng/ul	98
76) Fluoranthene	19.03	202	148714	8.034 ng/ul	98
79) Pyrene	19.40	202	219460	18.209 ng/ul	97
82) Benzo(a)anthracene	21.16	228	51493	3.674 ng/ul#	94
84) Chrysene	21.22	228	43886	3.349 ng/ul	95
87) Benzo(b)fluoranthene	22.72	252	36429m	2.931 ng/ul	
90) Benzo(a)pyrene	23.27	252	42161	3.559 ng/ul	96
93) Benzo(a,h,i)perylene	26.23	276	23160	2.207 ng/ul#	95

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022383.D
Acq On : 28 Aug 2019 11:45
Operator : HP/JU
Sample : K4414-07DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETJR1DL

Manual Integrations
APPROVED

mohammad
8/29/2019 7:52:13 AM

Quant Time: Sep 03 03:05:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 28 13:13:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

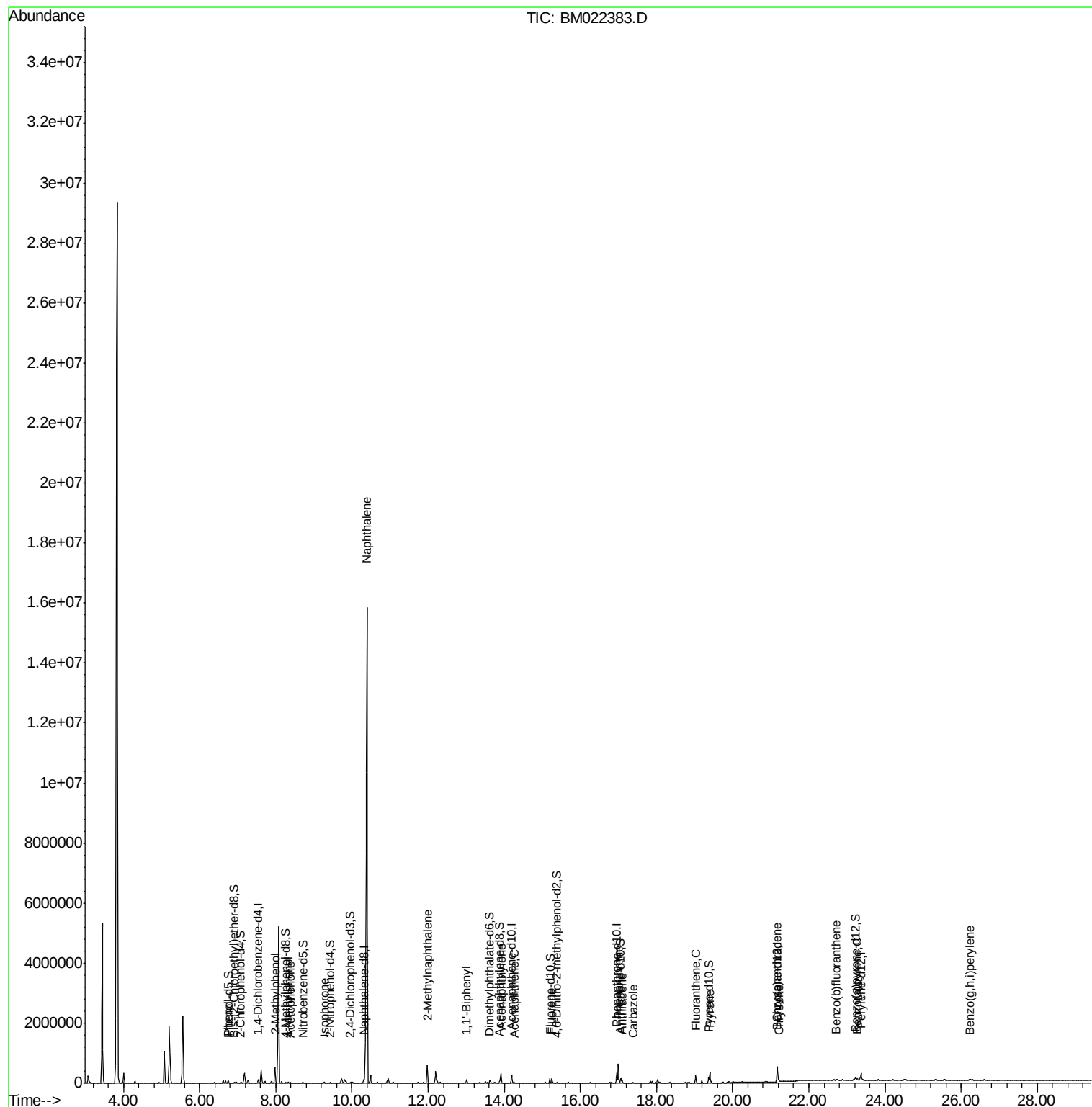
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022383.D
Acq On : 28 Aug 2019 11:45
Operator : HP/JU
Sample : K4414-07DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

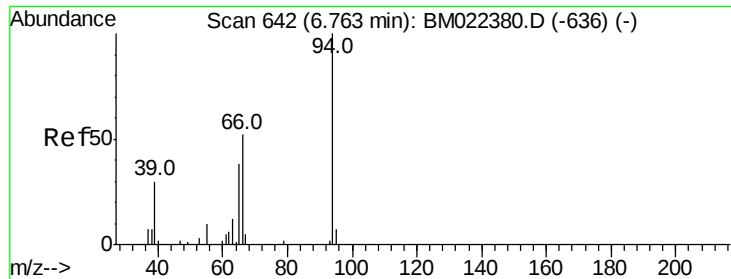
Instrument :
BNA_M
ClientSampleId :
ETJR1DL

Manual Integrations
APPROVED

mohammad
8/29/2019 7:52:13 AM

Quant Time: Sep 03 03:05:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 28 13:13:56 2019
Response via : Initial Calibration





#6

Phenol

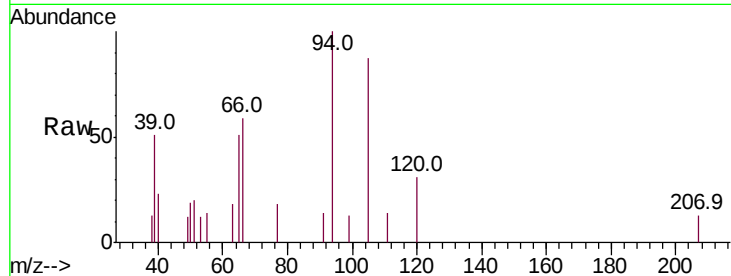
Concen: 2.218 ng/ul
 RT: 6.78 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Instrument :
 BNA_M
 ClientSampleId :
 ETJR1DL

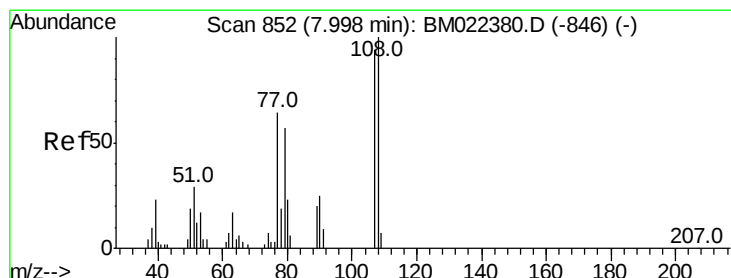
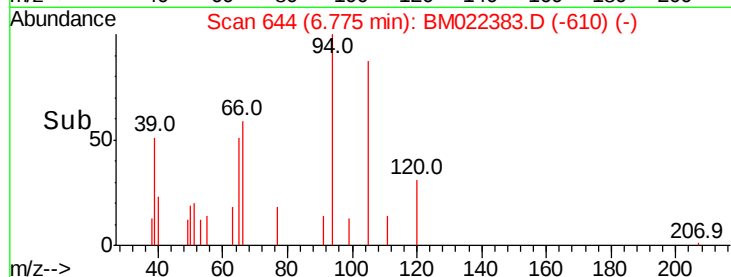
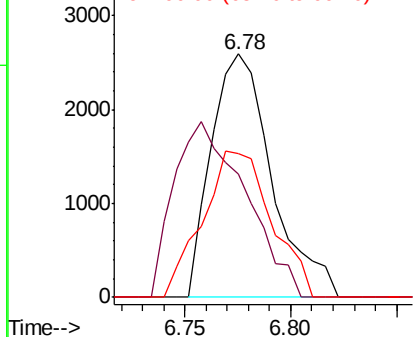
Tot Ion	Ratio	Lower	Upper
94	100		
65	50.8	29.2	43.8#
66	58.9	40.6	60.8

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:52:13 AM



Abundance Ion 94.00 (93.70 to 94.70): BM022383.D (-610) (-)

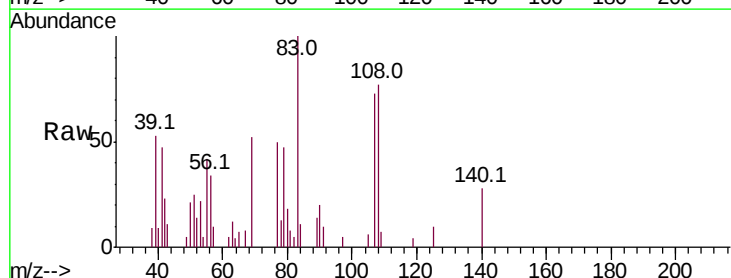


#11

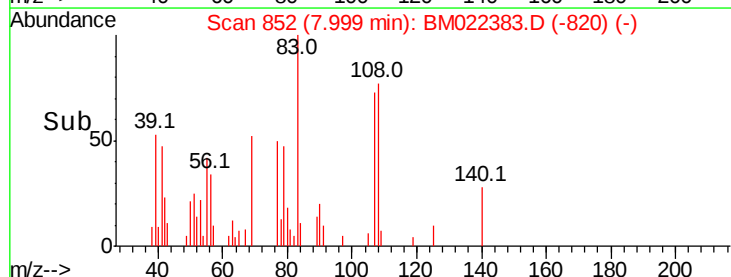
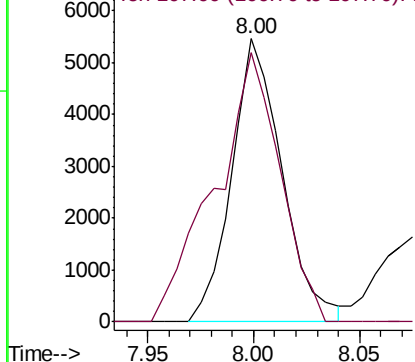
2-Methylphenol

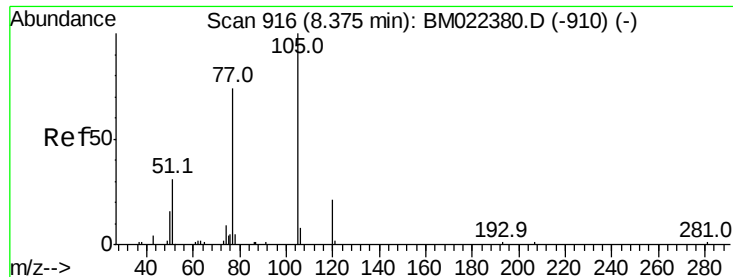
Concen: 4.915 ng/ul
 RT: 8.00 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
108	100		
107	95.0	70.1	105.1



Abundance Ion 108.00 (107.70 to 108.70): BM022383.D (-820) (-)





#14

Acetophenone

Concen: 3.433 ng/ul

RT: 8.38 min Scan# 917

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

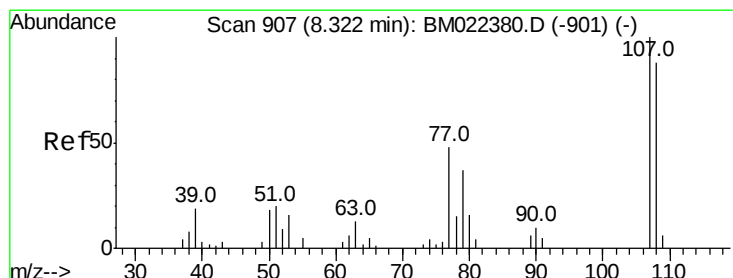
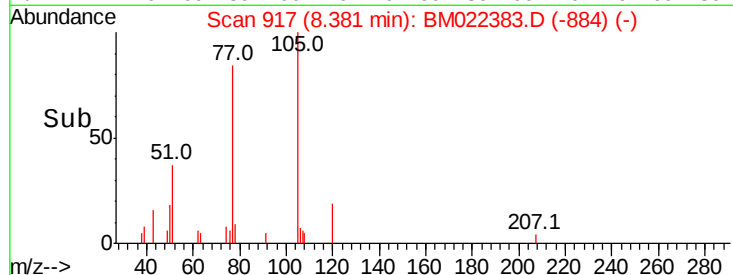
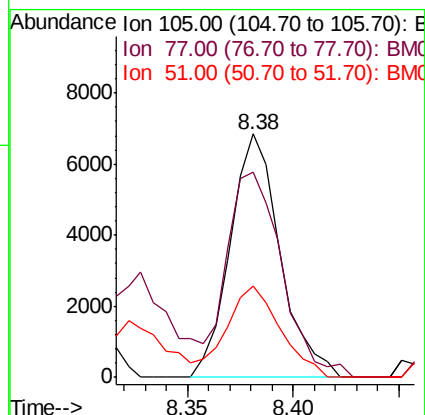
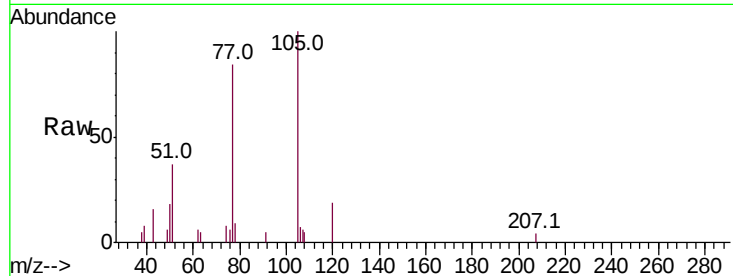
ClientSampleId :

ETJR1DL

Tot Ion:	105	Resp:	11231
Ion Ratio	Lower	Upper	
105	100		
77	84.4	68.4	102.6
51	37.3	25.0	37.4

Manual Integrations
APPROVED

mohammad
8/29/2019 7:52:13 AM



#16

4-Methylphenol

Concen: 5.210 ng/ul

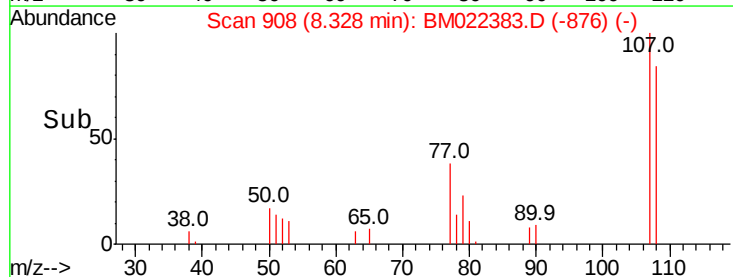
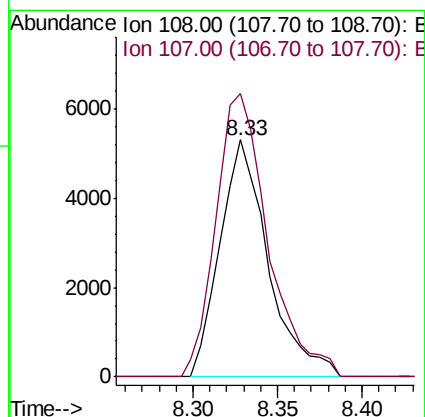
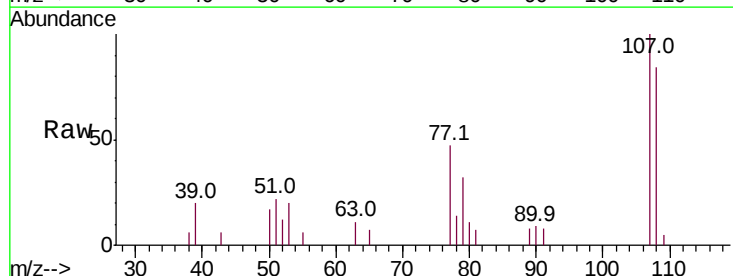
RT: 8.33 min Scan# 908

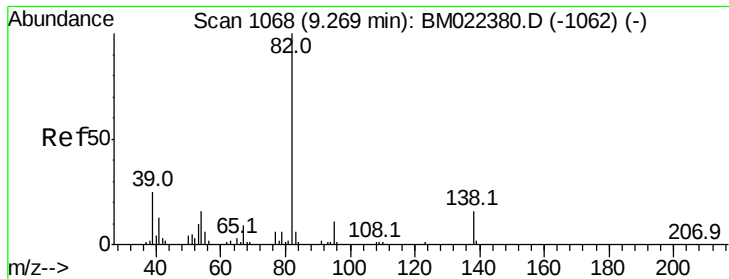
Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Tgt Ion:	108	Resp:	10545
Ion Ratio	Lower	Upper	
108	100		
107	119.6	90.8	136.2





#21

Isophorone

Concen: 5.315 ng/ul

RT: 9.27 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

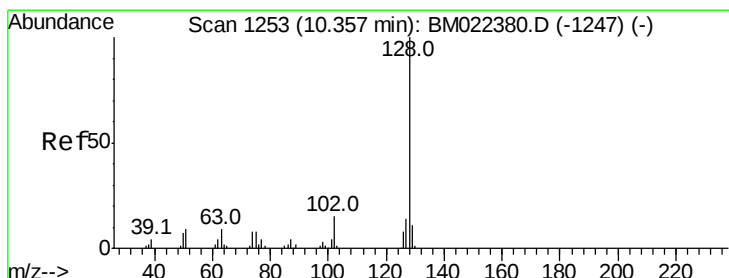
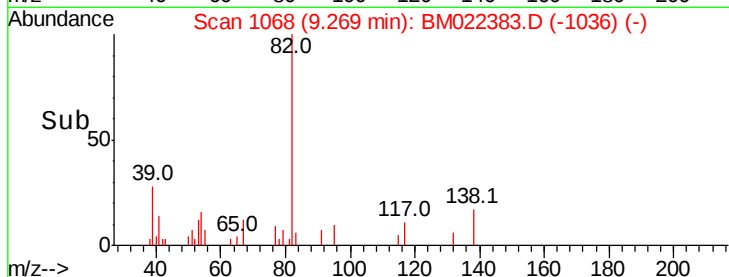
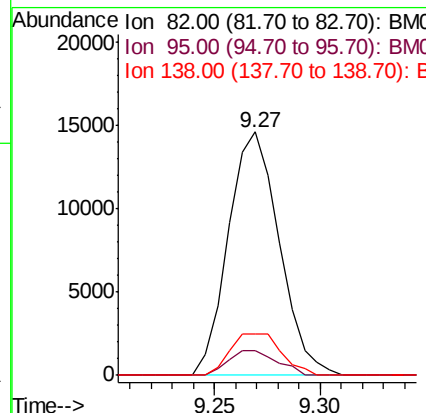
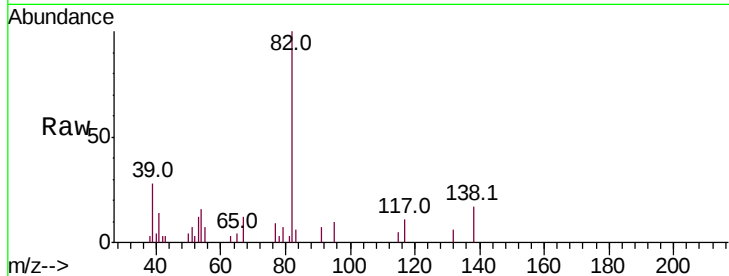
ClientSampleId :

ETJR1DL

Tot Ion:	82	Resp:	24492
Ion Ratio	Lower	Upper	
82	100		
95	10.2	7.2	10.8
138	17.0	13.8	20.6

Manual Integrations
APPROVED

mohammad
8/29/2019 7:52:13 AM



#28

Naphthalene

Concen: 2113.136 ng/ul

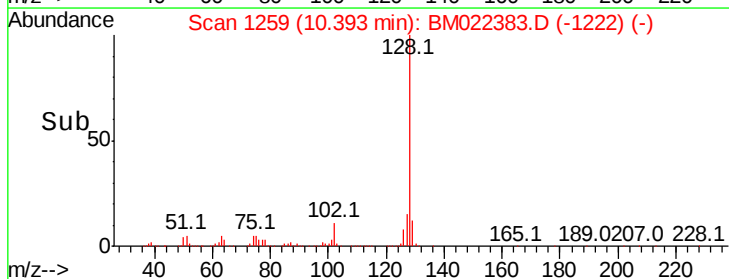
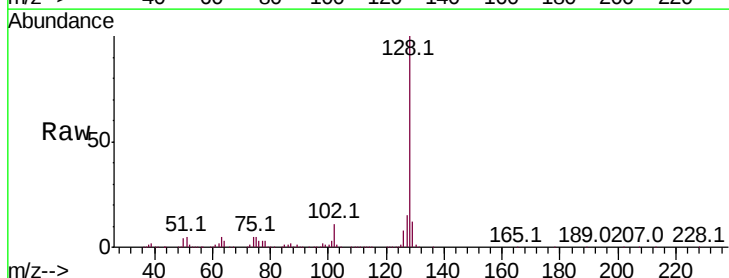
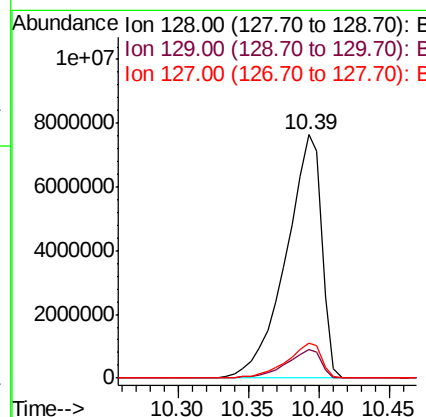
RT: 10.39 min Scan# 1259

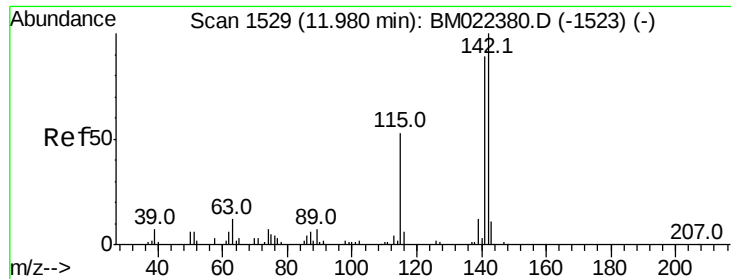
Delta R.T. 0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Tgt Ion:	128	Resp:	13428114
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.6	13.0
127	14.5	10.4	15.6





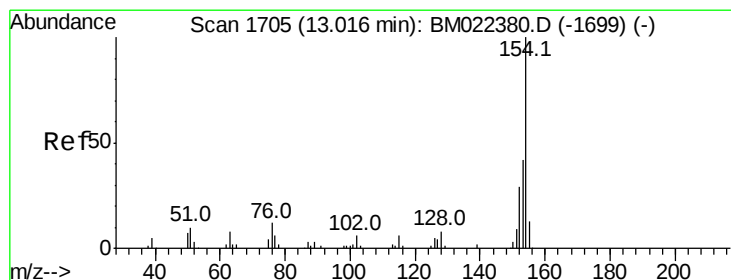
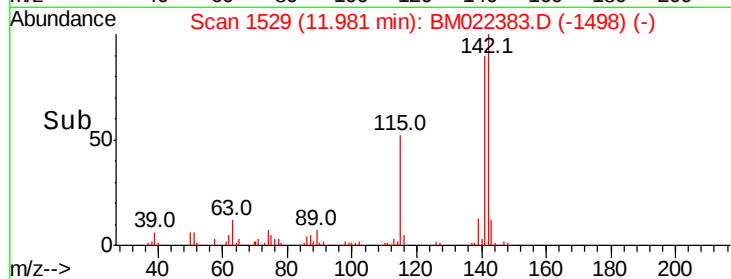
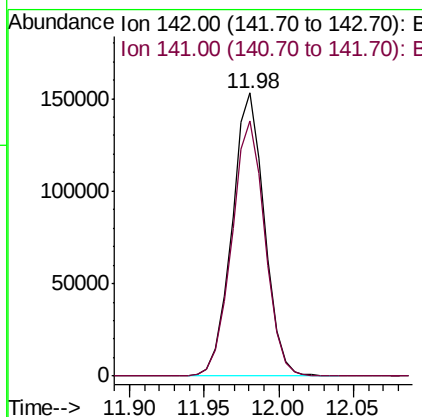
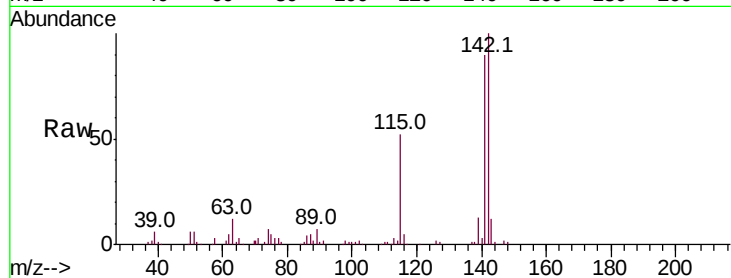
#34
 2-Methylnaphthalene
 Concen: 47.270 ng/ul
 RT: 11.98 min Scan# 1529
 Delta R.T. -0.02 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Instrument :
 BNA_M
 ClientSampleId :
 ETJR1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	75.1	112.7

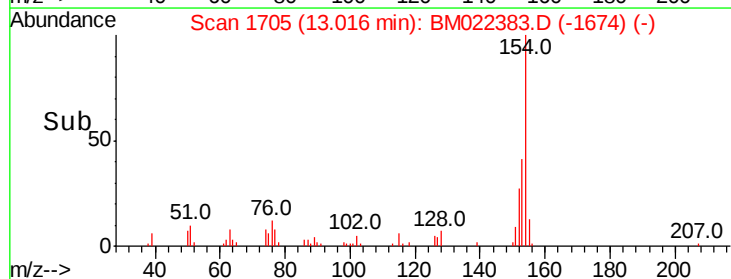
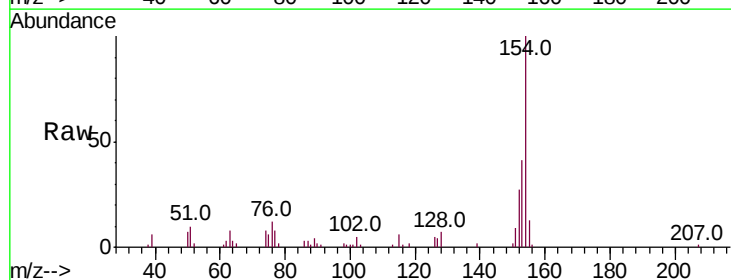
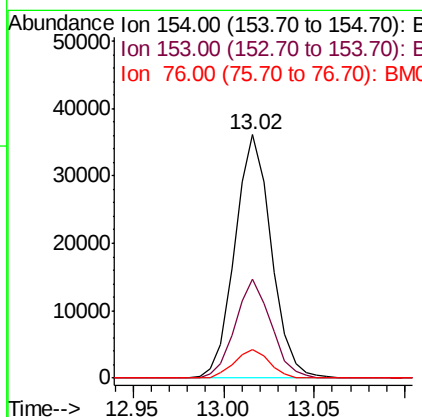
Manual Integrations
 APPROVED

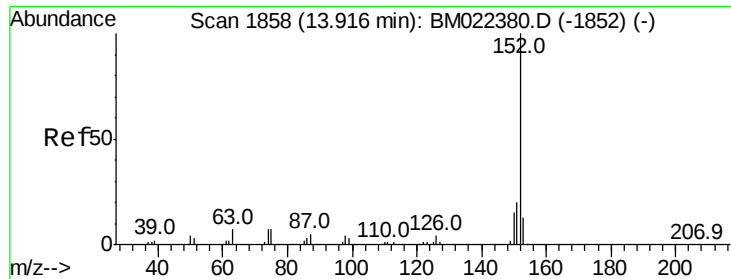
mohammad
 8/29/2019 7:52:13 AM



#40
 1,1'-Biphenyl
 Concen: 7.244 ng/ul
 RT: 13.02 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.5	48.7
76	11.8	9.2	13.8





#47

Acenaphthylene

Concen: 21.287 ng/ul

RT: 13.92 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

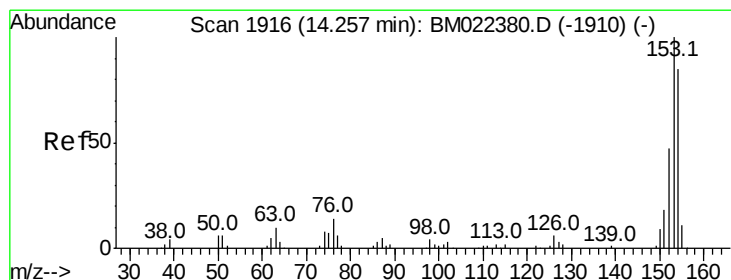
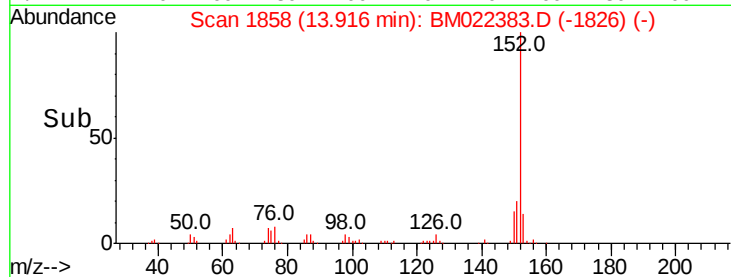
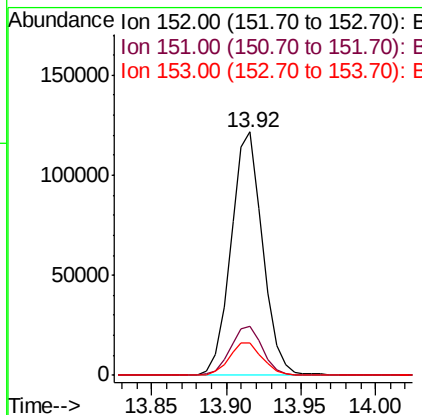
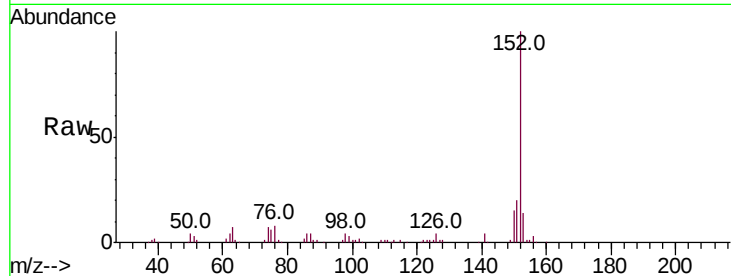
ClientSampleId :

ETJR1DL

Tot Ion:	152	Resp:	179404
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.0	24.0
153	13.6	10.4	15.6

Manual Integrations
APPROVED

mohammad
8/29/2019 7:52:13 AM



#49

Acenaphthene

Concen: 2.160 ng/ul

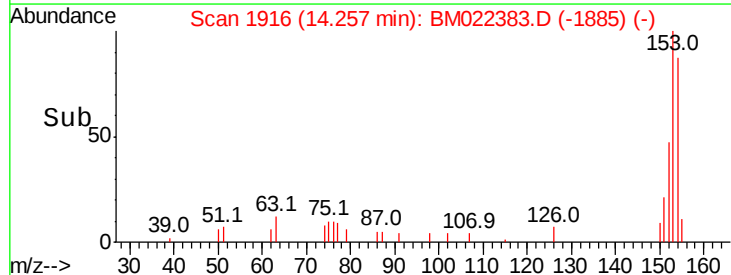
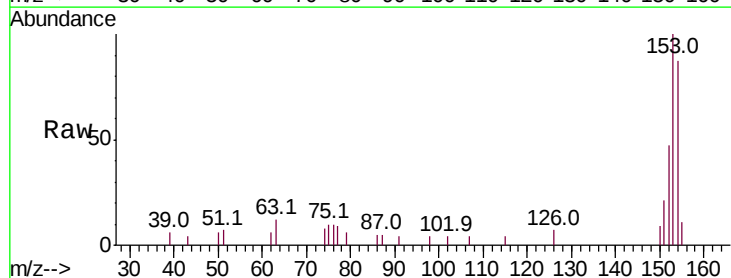
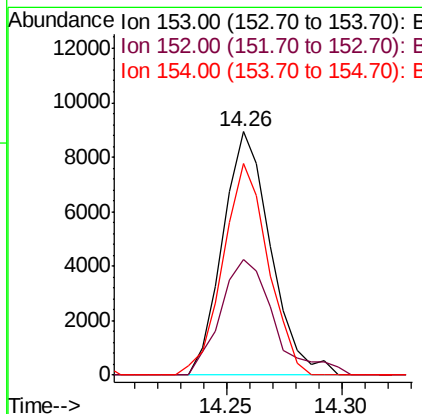
RT: 14.26 min Scan# 1916

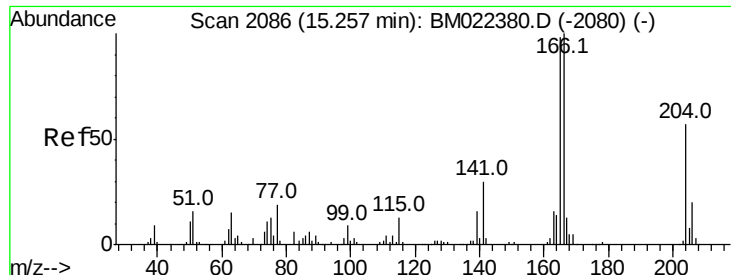
Delta R.T. -0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Tgt Ion:	153	Resp:	12923
Ion Ratio	Lower	Upper	
153	100		
152	47.2	38.6	58.0
154	86.8	68.9	103.3





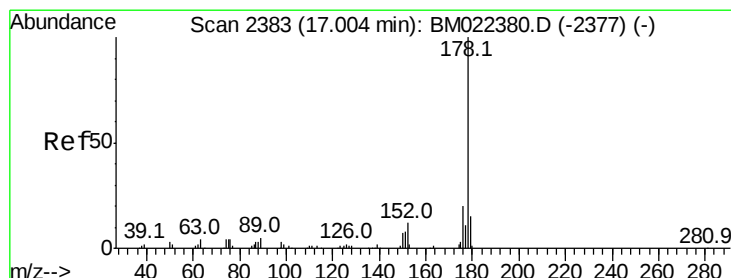
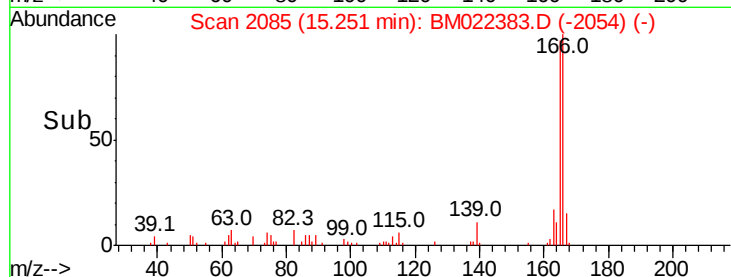
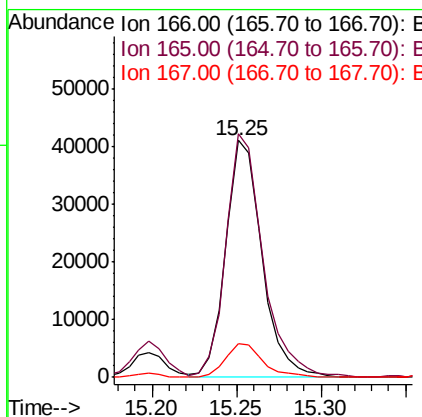
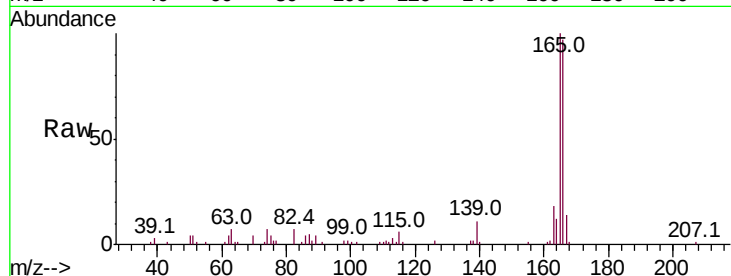
#58
Fluorene
 Concen: 8.191 ng/ul
 RT: 15.25 min Scan# 2085
 Delta R.T. -0.02 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Instrument :
 BNA_M
 ClientSampleId :
 ETJR1DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.8	80.2	120.2
167	14.3	11.4	17.0

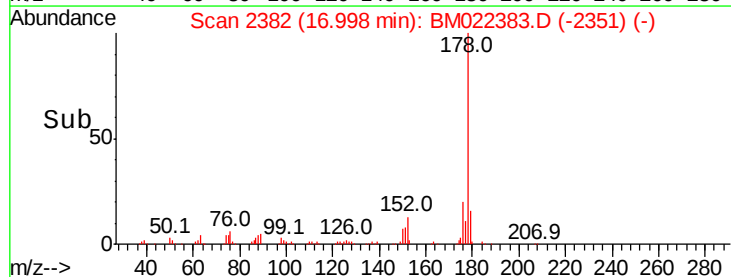
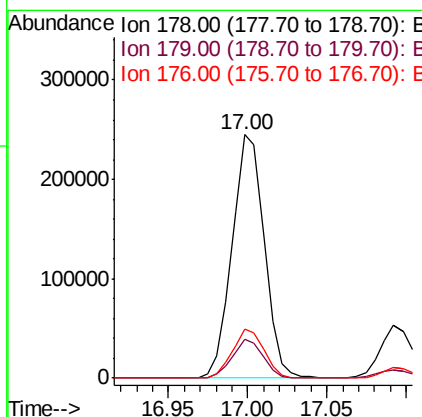
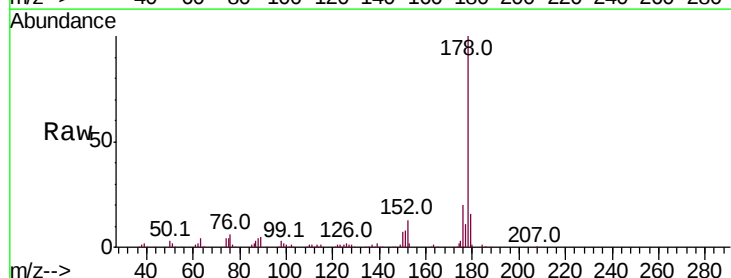
Manual Integrations
APPROVED

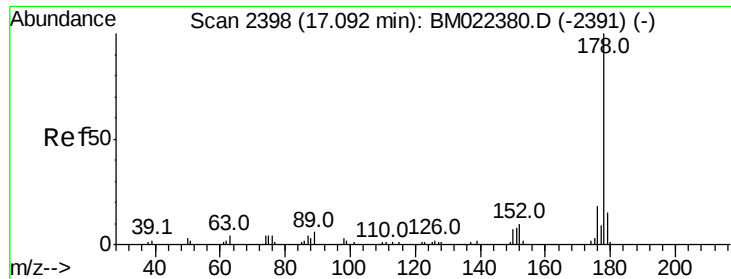
mohammad
 8/29/2019 7:52:13 AM



#69
Phenanthrene
 Concen: 28.053 ng/ul
 RT: 17.00 min Scan# 2382
 Delta R.T. -0.02 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	20.4	15.4	23.0





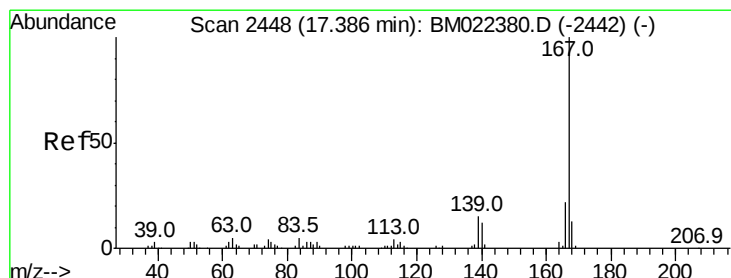
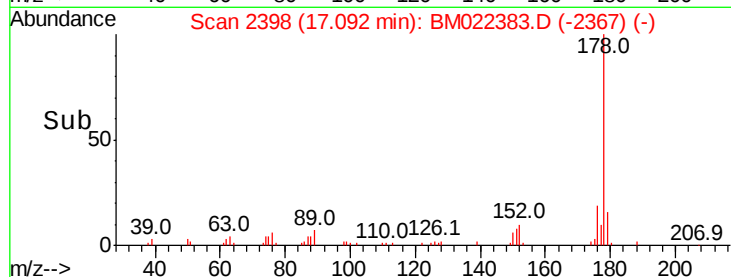
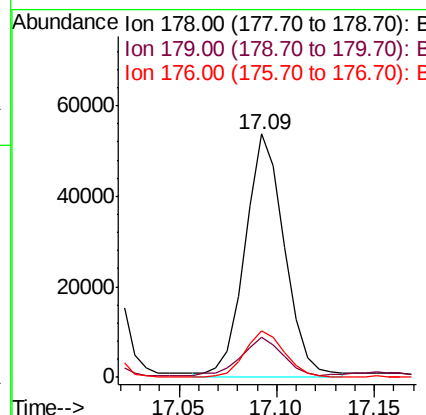
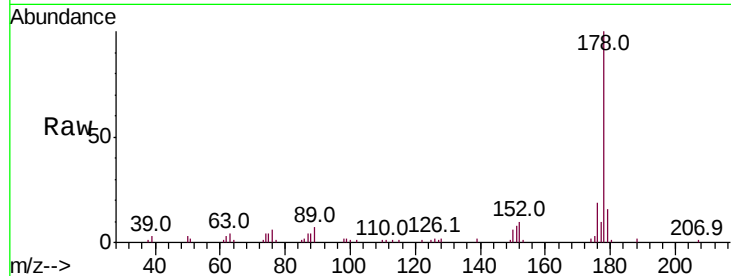
#71
 Anthracene
 Concen: 5.875 ng/ul
 RT: 17.09 min Scan# 2398
 Delta R.T. -0.02 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Instrument :
 BNA_M
 ClientSampleId :
 ETJR1DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	18.9	15.5	23.3

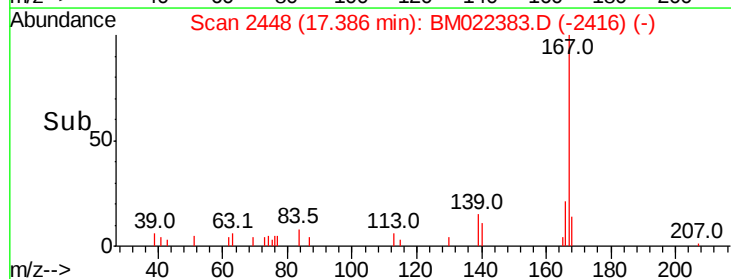
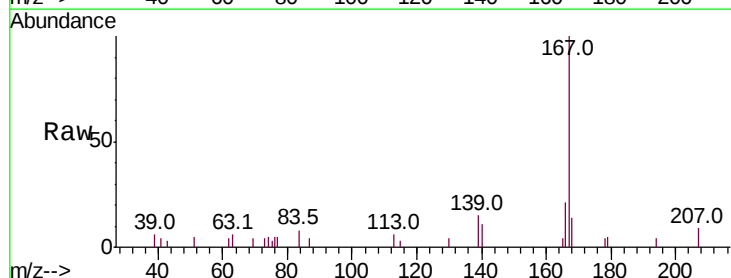
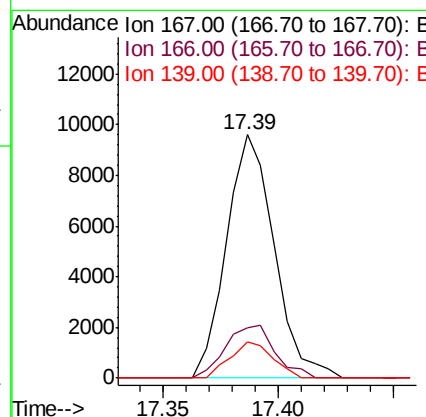
Manual Integrations
 APPROVED

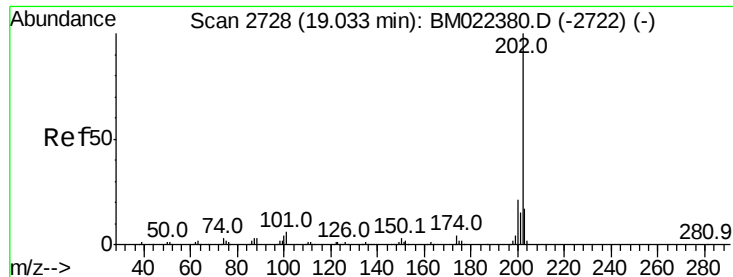
mohammad
 8/29/2019 7:52:13 AM



#74
 Carbazole
 Concen: 1.195 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.8	26.8
139	14.8	11.8	17.8





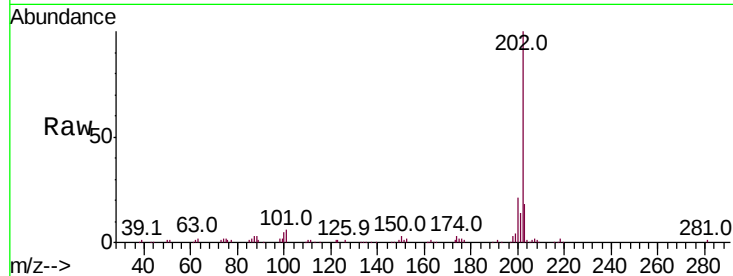
#76
 Fluoranthene
 Concen: 8.034 ng/ul
 RT: 19.03 min Scan# 2728
 Delta R.T. -0.01 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Instrument :
 BNA_M
 ClientSampleId :
 ETJR1DL

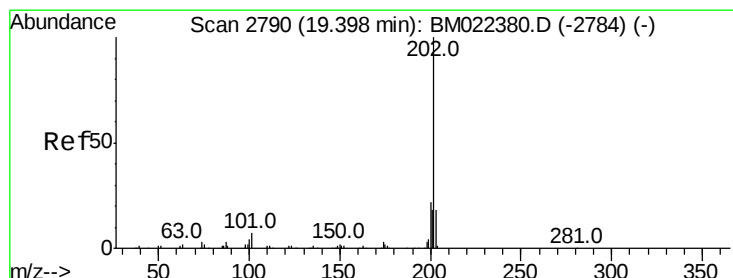
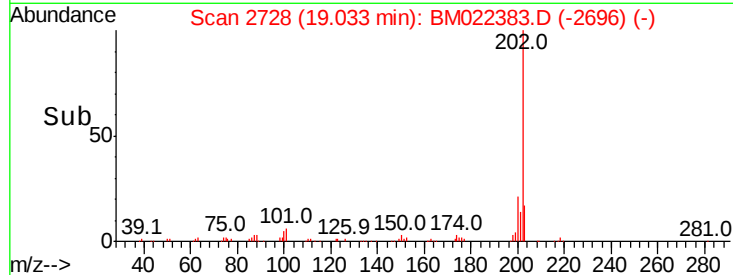
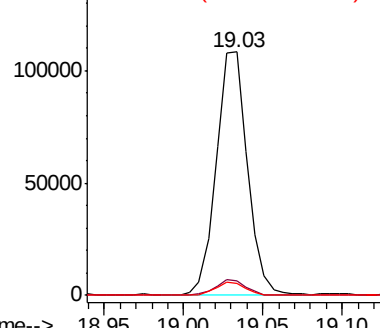
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		148714		
101	6.2	5.3	7.9		
100	4.7	4.6	6.8		

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:52:13 AM



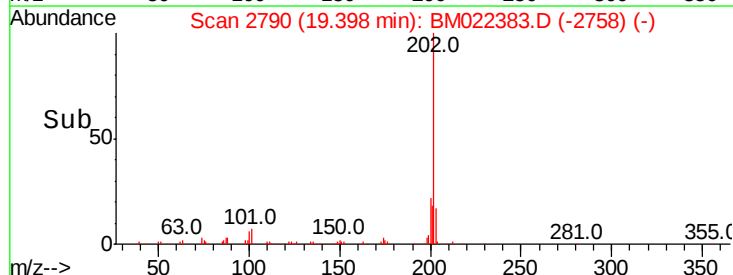
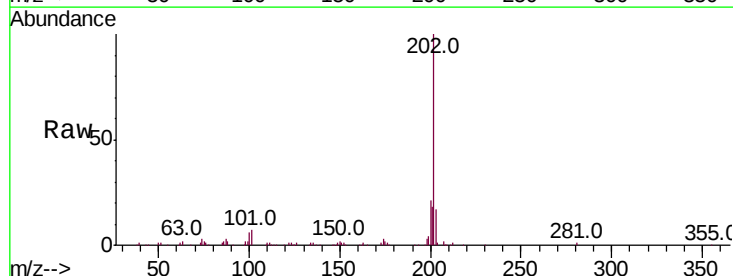
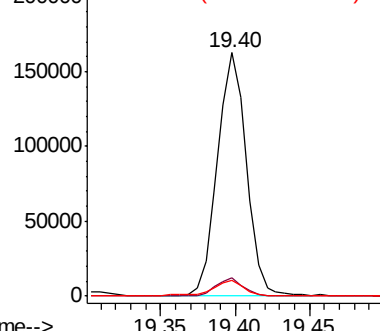
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

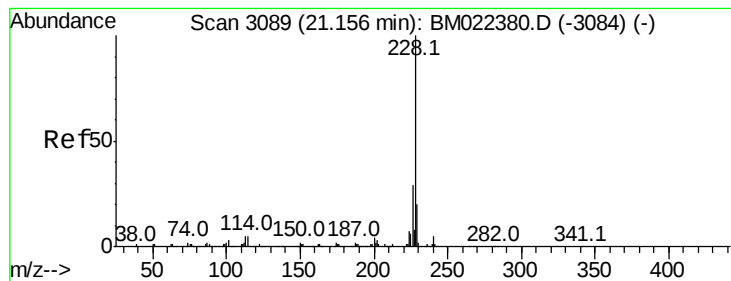


#79
 Pyrene
 Concen: 18.209 ng/ul
 RT: 19.40 min Scan# 2790
 Delta R.T. -0.01 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		219460		
101	7.4	7.0	10.4		
100	6.4	5.8	8.8		

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





#82

Benzo(a)anthracene

Concen: 3.674 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

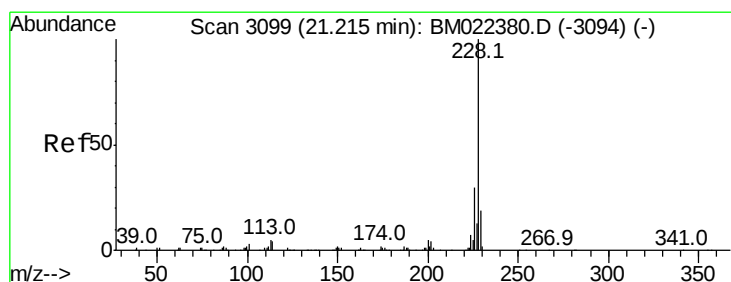
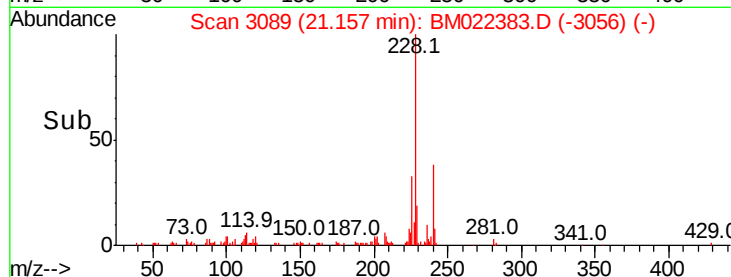
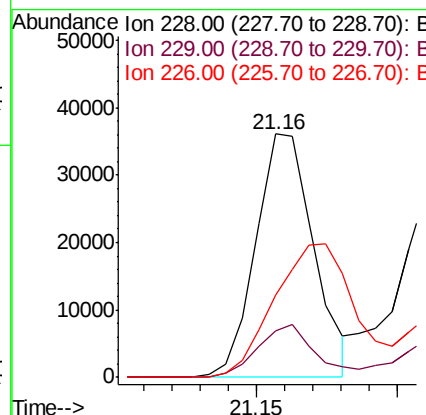
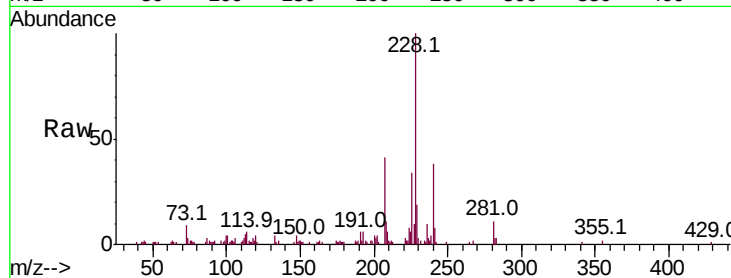
ClientSampleId :

ETJR1DL

Tot Ion:	228	Resp:	51493
Ion Ratio	Lower	Upper	
228	100		
229	19.0	15.2	22.8
226	33.6	22.3	33.5#

Manual Integrations
APPROVED

mohammad
8/29/2019 7:52:13 AM



#84

Chrysene

Concen: 3.349 ng/ul

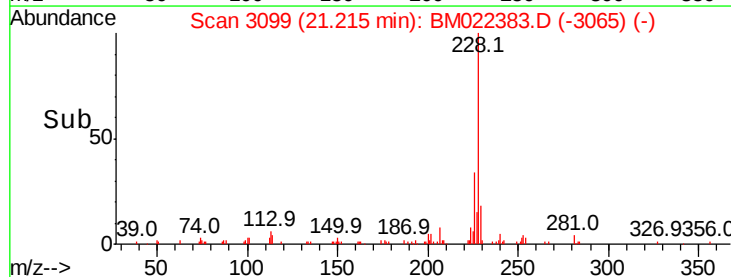
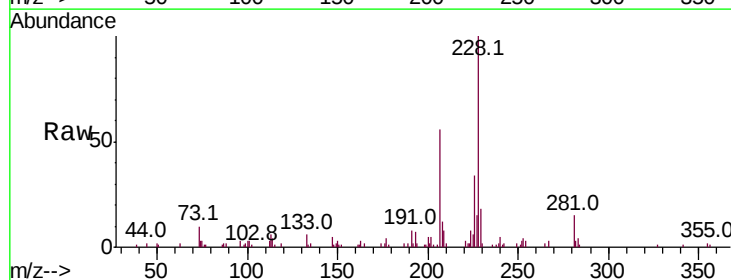
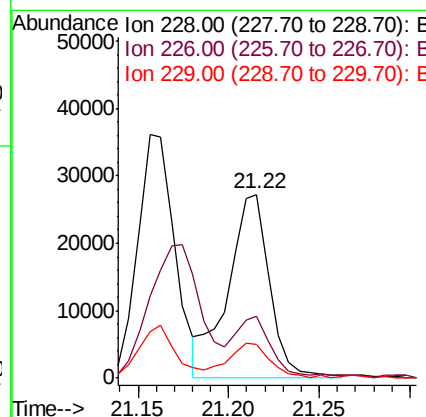
RT: 21.22 min Scan# 3099

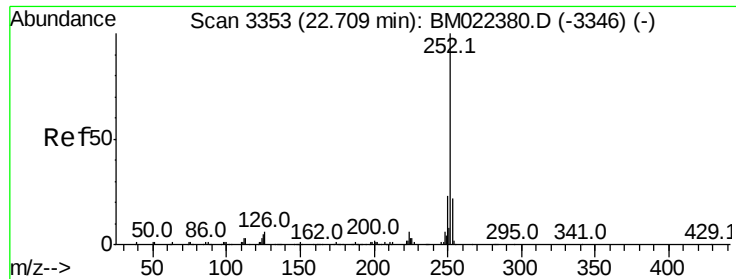
Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Tgt Ion:	228	Resp:	43886
Ion Ratio	Lower	Upper	
228	100		
226	33.9	24.7	37.1
229	18.1	15.7	23.5





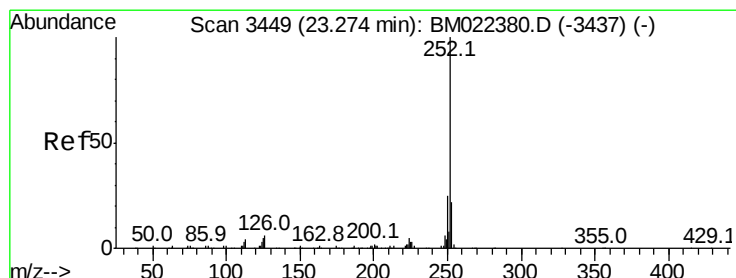
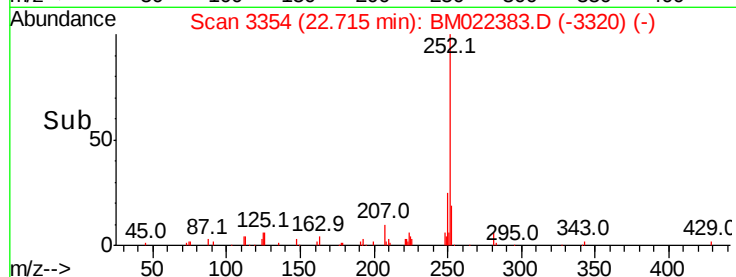
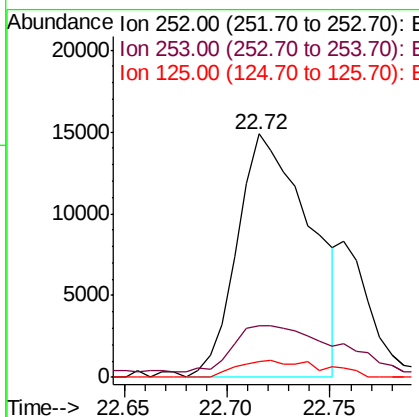
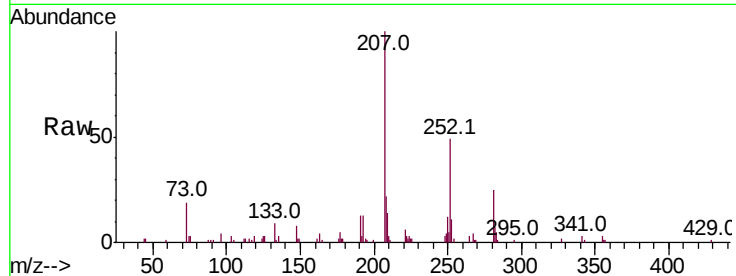
#87
Benzo(b)fluoranthene
Concen: 2.931 ng/ul m
RT: 22.72 min Scan# 3354
Delta R.T. 0.00 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

Instrument :
BNA_M
ClientSampleId :
ETJR1DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.4	17.0	25.6	
125	6.4	5.2	7.8	

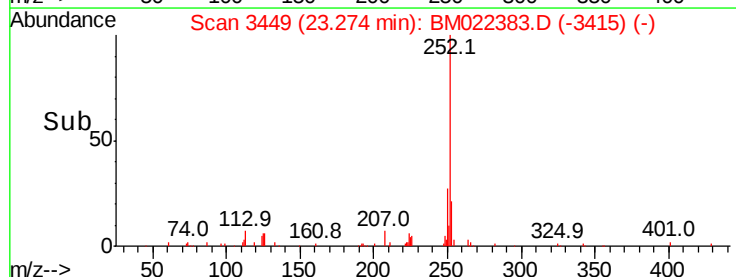
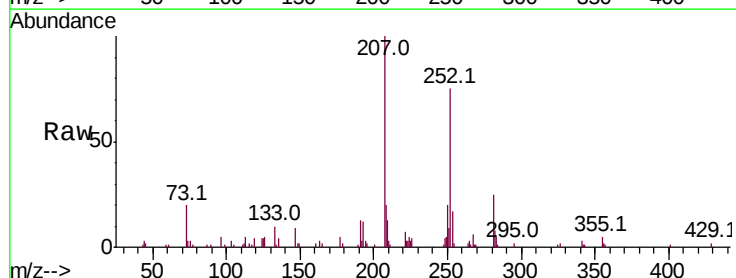
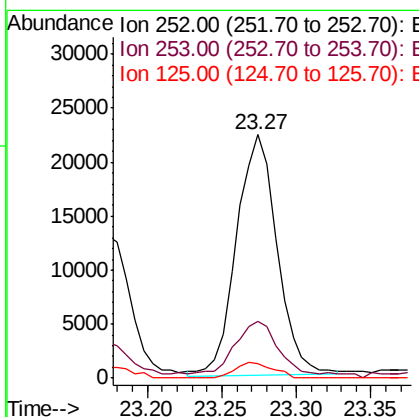
Manual Integrations
APPROVED

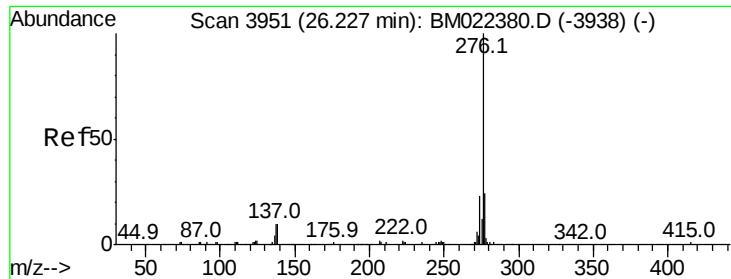
mohammad
8/29/2019 7:52:13 AM



#90
Benzo(a)pyrene
Concen: 3.559 ng/ul
RT: 23.27 min Scan# 3449
Delta R.T. 0.00 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.3	16.9	25.3	
125	5.8	5.5	8.3	





#93

Benzo(a,h,i)perylene

Concen: 2.207 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.1	10.2	15.4#
277	24.4	18.2	27.4

Manual Integrations
APPROVED

mohammad
8/29/2019 7:52:13 AM

