

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022177.D
 Acq On : 16 Aug 2019 19:26
 Operator : HP/JU
 Sample : K4242-06DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AF5DL

Manual Integrations
 APPROVED

mohammad
 8/19/2019 5:32:20 PM

Quant Time: Aug 17 04:46:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 17 04:19:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	738	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	3288	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	1996	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4606	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	4953	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	5347	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	323	0.06	ng/ul	0.02
14) Fluoranthene-d10	19.05	212	1006	0.06	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.98	152	1058	0.114	ng/ul#	80
9) Fluorene	15.32	166	357	0.042	ng/ul#	92
12) Phenanthrene	17.06	178	6489	0.484	ng/ul	99
13) Anthracene	17.15	178	1810	0.158	ng/ul#	93
15) Fluoranthene	19.08	202	15480	0.862	ng/ul	96
17) Pyrene	19.45	202	14084	0.692	ng/ul	99
18) Benzo(a)anthracene	21.21	228	9483	0.535	ng/ul#	88
19) Chrysene	21.26	228	7657	0.336	ng/ul#	86
21) Benzo(b)fluoranthene	22.77	252	11234m	0.623	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	3583m	0.176	ng/ul	
23) Benzo(a)pyrene	23.33	252	7814	0.426	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.65	276	5226	0.239	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.64	278	1370	0.077	ng/ul#	1
26) Benzo(g,h,i)perylene	26.33	276	4215	0.214	ng/ul#	61

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

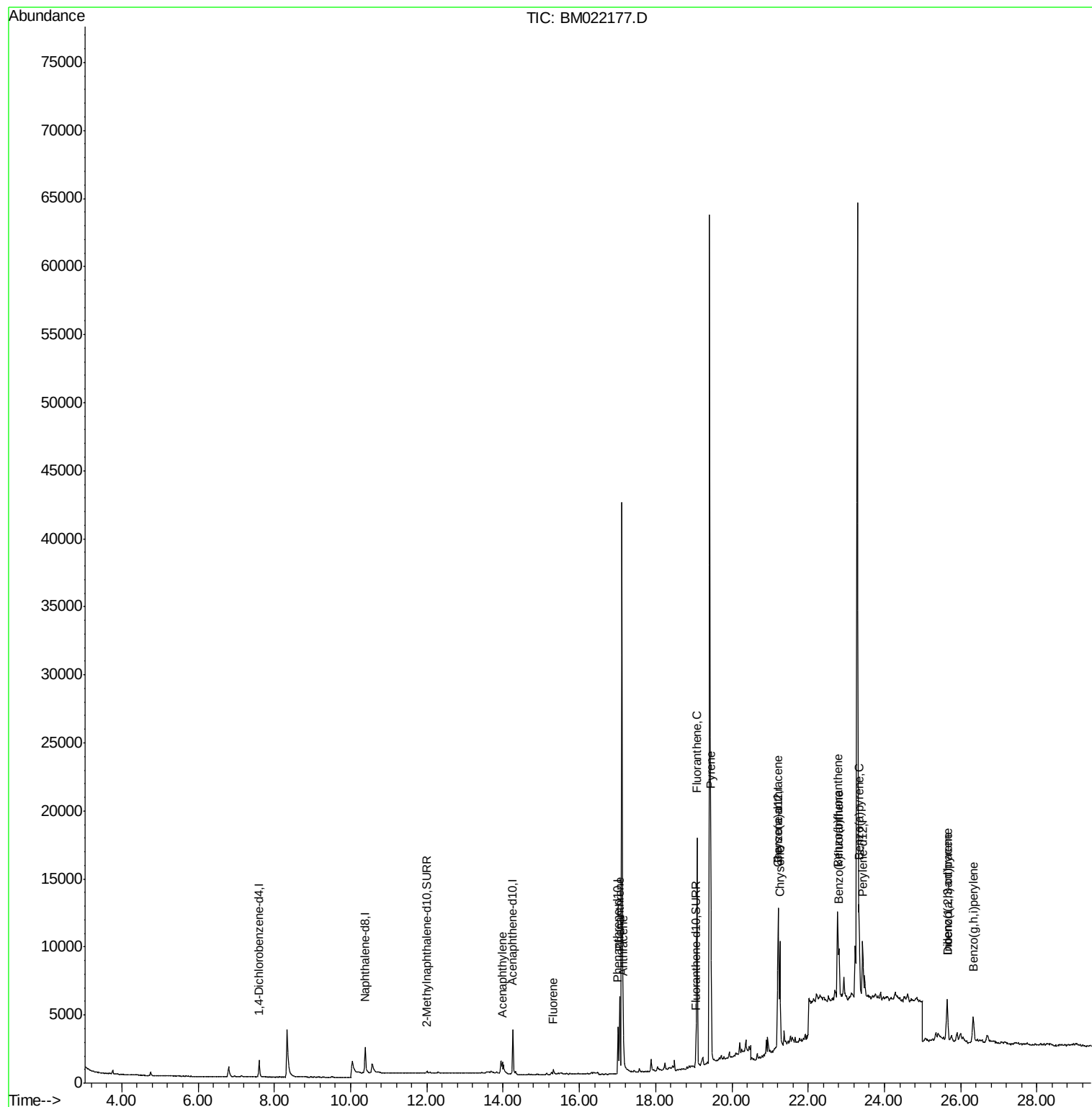
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022177.D
Acq On : 16 Aug 2019 19:26
Operator : HP/JU
Sample : K4242-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

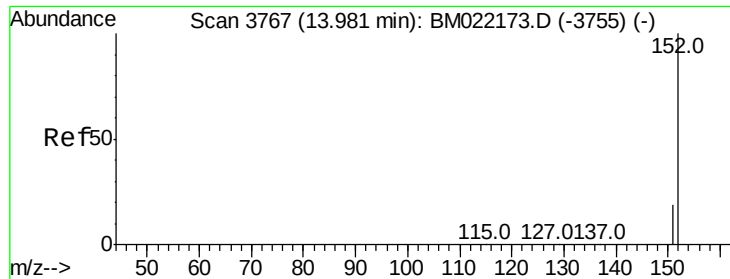
Instrument :
BNA_M
ClientSampleId :
C0AF5DL

Manual Integrations
APPROVED

mohammad
8/19/2019 5:32:20 PM

Quant Time: Aug 17 04:46:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 17 04:19:12 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.114 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. 0.00 min

Lab File: BM022177.D

Acq: 16 Aug 2019 19:26

Instrument :

BNA_M

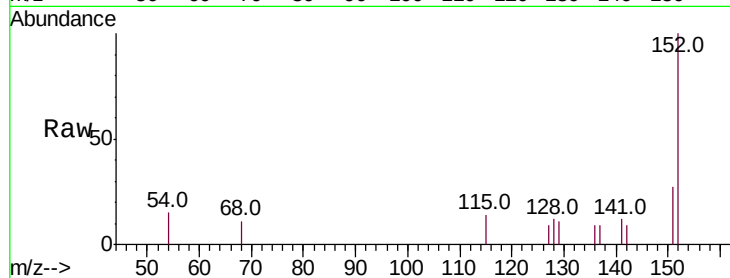
ClientSampleId :

C0AF5DL

Tot Ion:	152	Resp:	1058
Ion Ratio	Lower	Upper	
152	100		
151	26.6	18.3	27.5
153	0.0	12.8	19.2

Manual Integrations
APPROVED

mohammad
8/19/2019 5:32:20 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

13.98

800

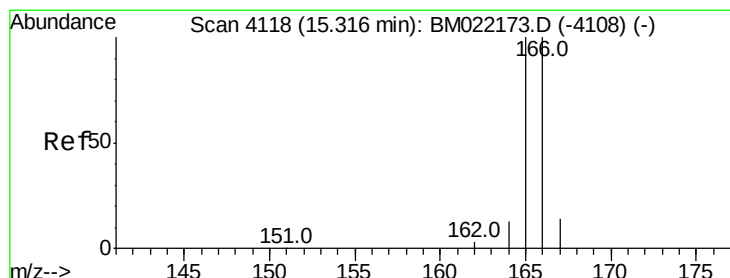
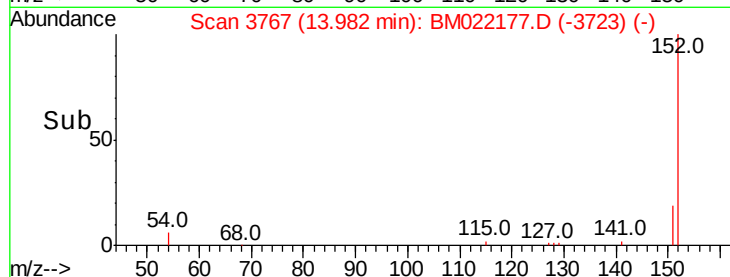
600

400

200

0

Time-->



#9

Fluorene

Concen: 0.042 ng/ul

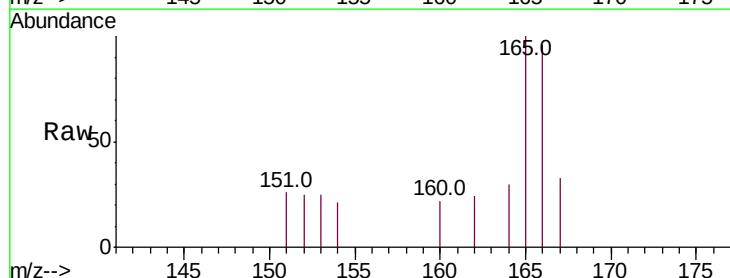
RT: 15.32 min Scan# 4119

Delta R.T. 0.00 min

Lab File: BM022177.D

Acq: 16 Aug 2019 19:26

Tgt Ion:	166	Resp:	357
Ion Ratio	Lower	Upper	
166	100		
165	104.0	81.4	122.0
167	33.9	13.7	20.5



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

15.32

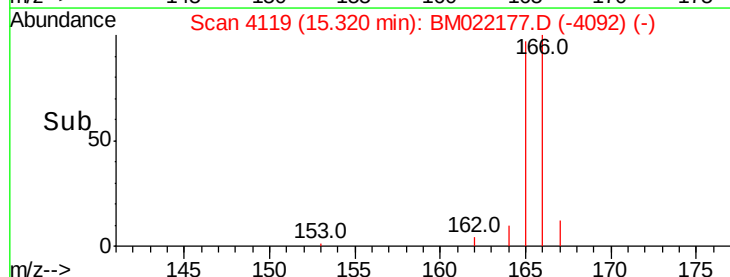
300

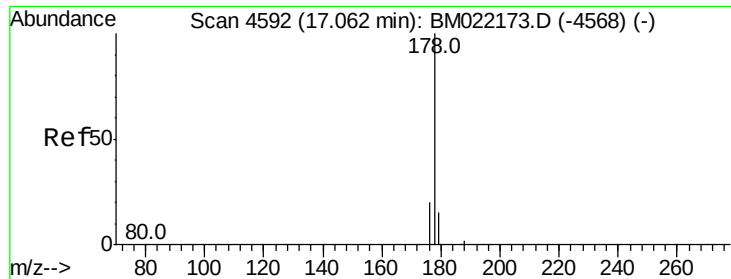
200

100

0

Time-->





#12

Phenanthrene

Concen: 0.484 ng/ul

RT: 17.06 min Scan# 4591

Delta R.T. -0.00 min

Lab File: BM022177.D

Acq: 16 Aug 2019 19:26

Instrument :

BNA_M

ClientSampleId :

C0AF5DL

Tot Ion:178 Resp: 6489

Ion Ratio Lower Upper

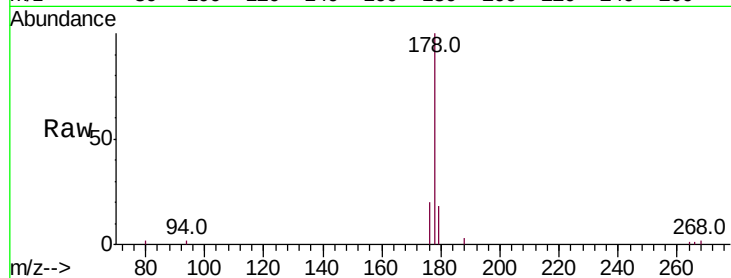
178 100

179 17.9 14.2 21.2

176 20.3 16.8 25.2

Manual Integrations
APPROVED

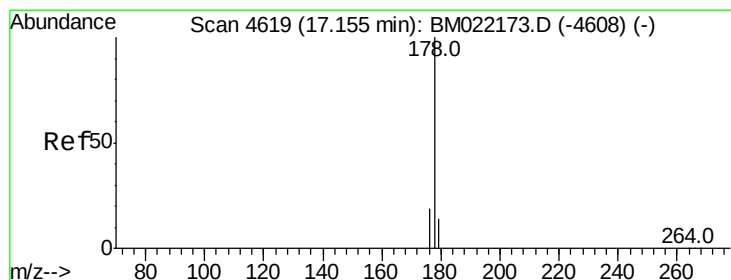
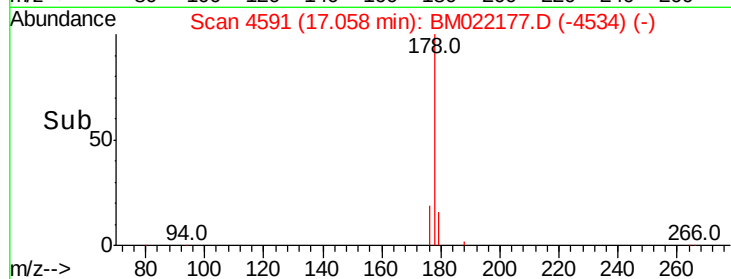
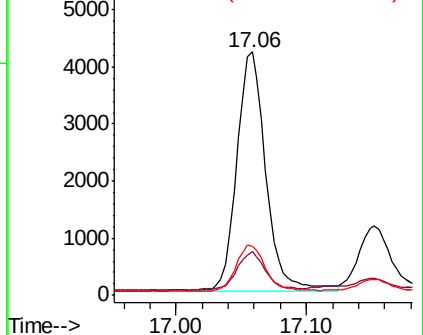
mohammad
8/19/2019 5:32:20 PM



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



#13

Anthracene

Concen: 0.158 ng/ul

RT: 17.15 min Scan# 4618

Delta R.T. -0.00 min

Lab File: BM022177.D

Acq: 16 Aug 2019 19:26

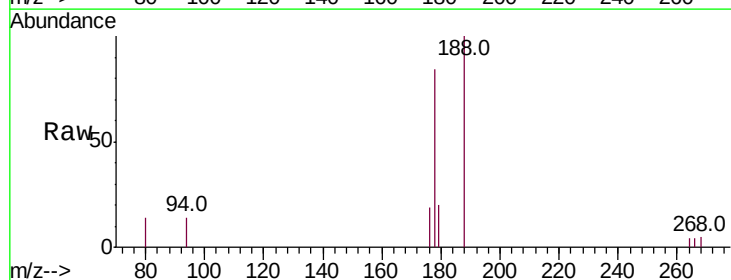
Tgt Ion:178 Resp: 1810

Ion Ratio Lower Upper

178 100

179 23.8 15.5 23.3#

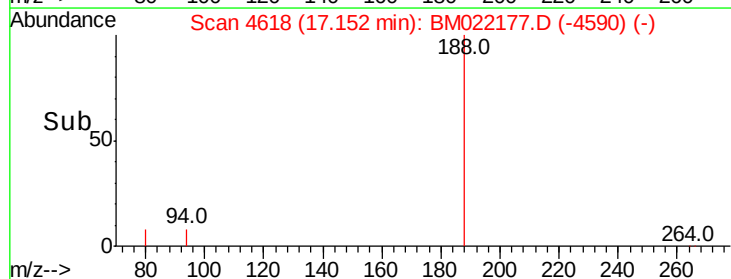
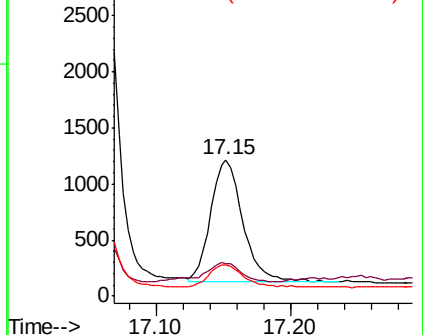
176 22.6 16.6 25.0

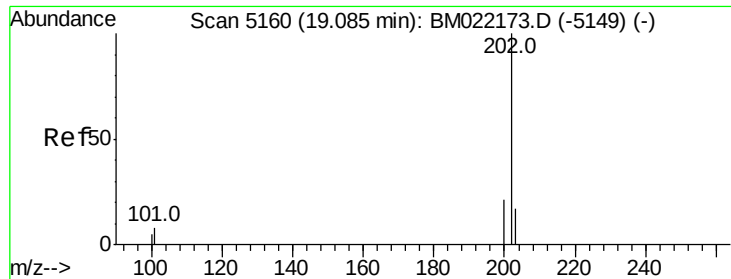


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





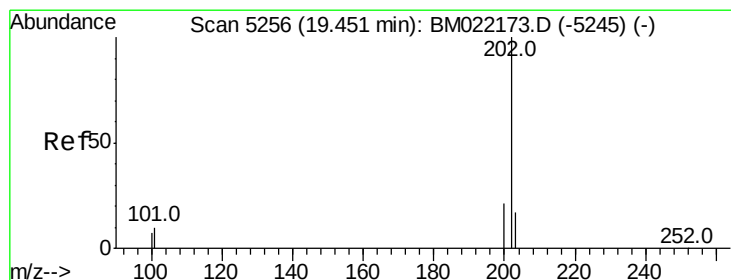
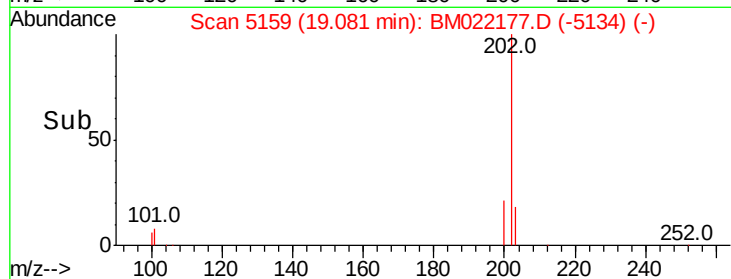
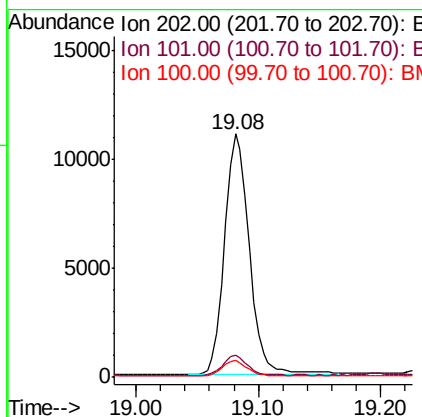
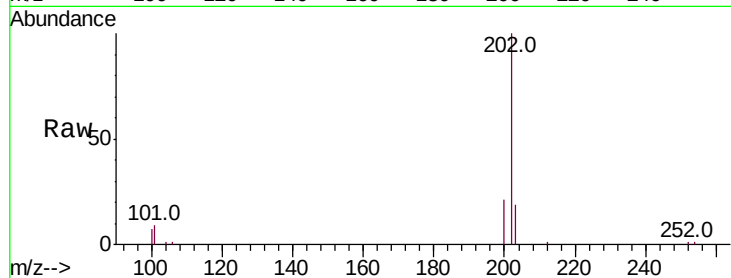
#15
Fluoranthene
 Concen: 0.862 ng/ul
 RT: 19.08 min Scan# 5159
 Delta R.T. -0.00 min
 Lab File: BM022177.D
 Acq: 16 Aug 2019 19:26

Instrument :
 BNA_M
 ClientSampleId :
 C0AF5DL

Tot Ion:	202	Resp:	15480
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	30.2
100	6.8	0.0	28.1

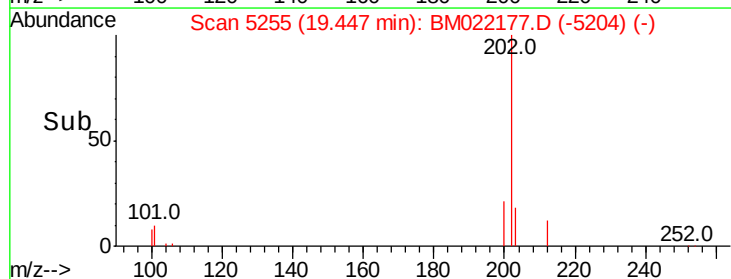
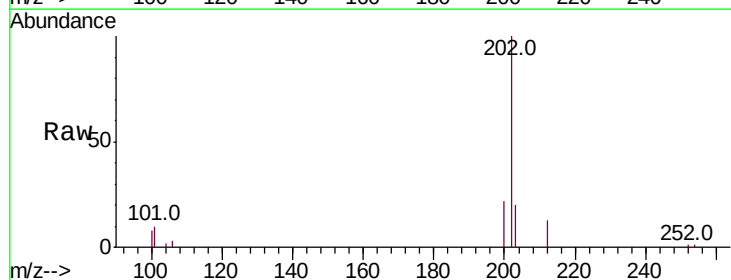
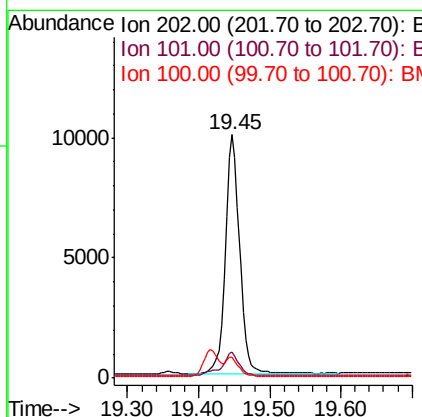
Manual Integrations
 APPROVED

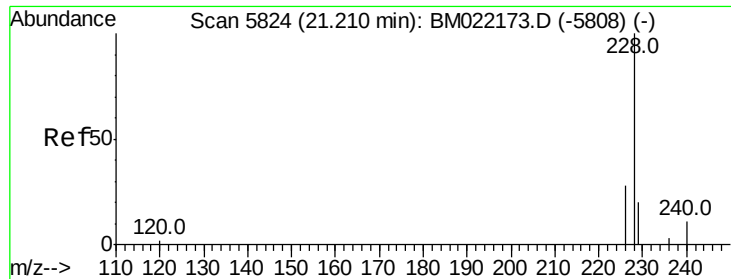
mohammad
 8/19/2019 5:32:20 PM



#17
Pyrene
 Concen: 0.692 ng/ul
 RT: 19.45 min Scan# 5255
 Delta R.T. -0.00 min
 Lab File: BM022177.D
 Acq: 16 Aug 2019 19:26

Tgt Ion:	202	Resp:	14084
Ion Ratio	Lower	Upper	
202	100		
101	10.4	8.3	12.5
100	8.4	7.2	10.8





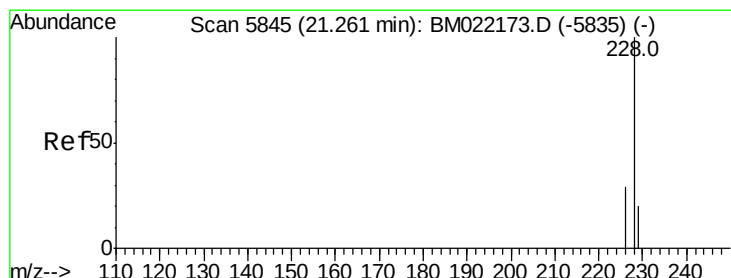
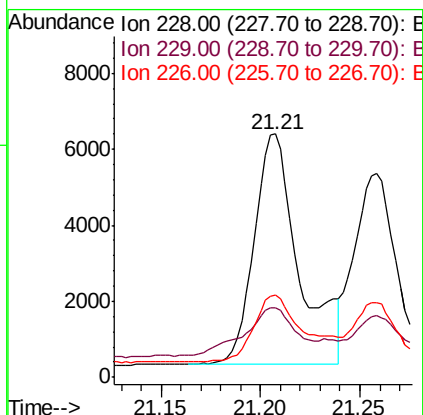
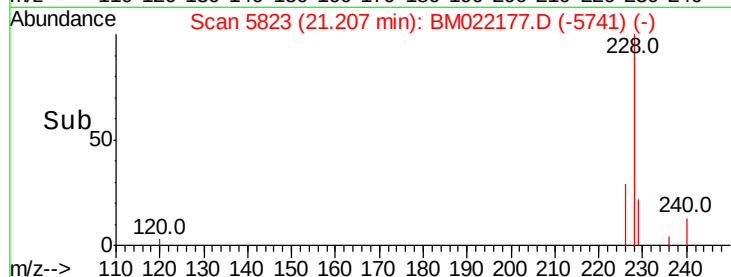
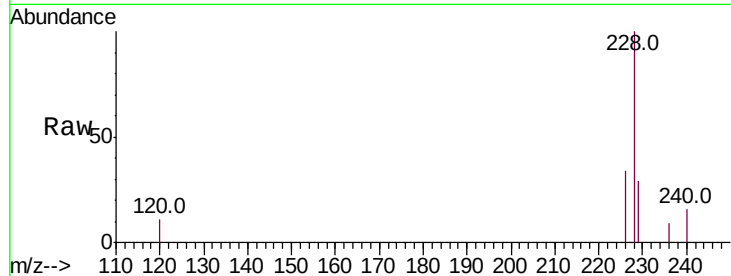
#18
Benzo(a)anthracene
Concen: 0.535 ng/ul
RT: 21.21 min Scan# 5823
Delta R.T. -0.00 min
Lab File: BM022177.D
Acq: 16 Aug 2019 19:26

Instrument :
BNA_M
ClientSampleId :
C0AF5DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	28.8	17.2	25.8#
226	33.7	22.6	34.0

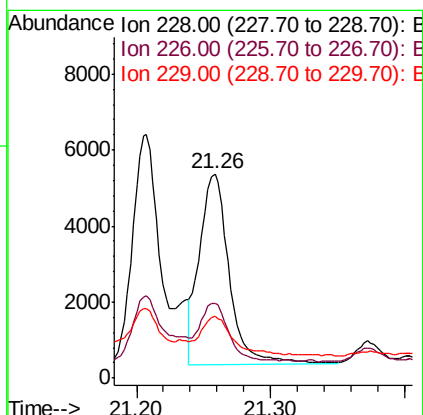
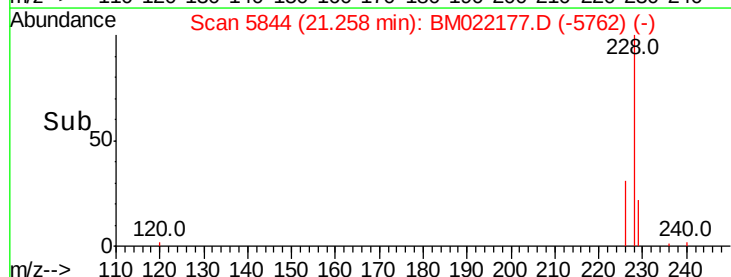
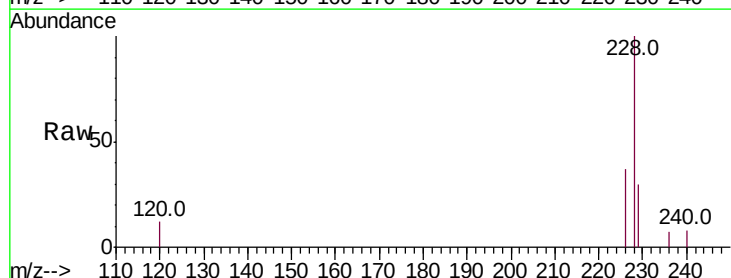
Manual Integrations
APPROVED

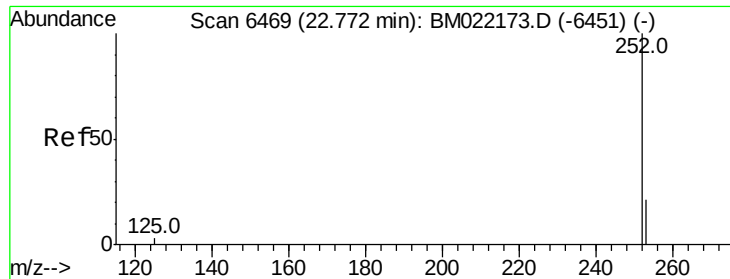
mohammad
8/19/2019 5:32:20 PM



#19
Chrysene
Concen: 0.336 ng/ul
RT: 21.26 min Scan# 5844
Delta R.T. -0.00 min
Lab File: BM022177.D
Acq: 16 Aug 2019 19:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.7	24.9	37.3
229	30.0	16.6	25.0#





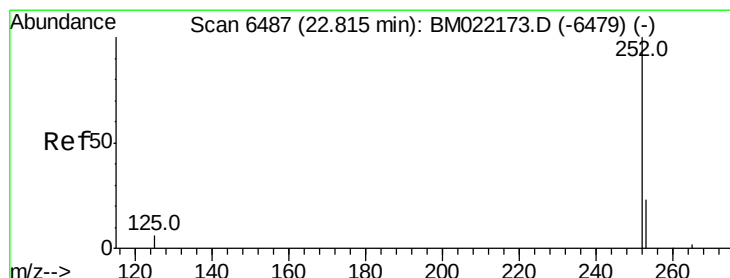
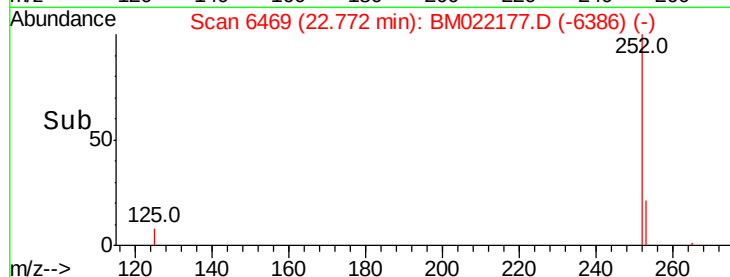
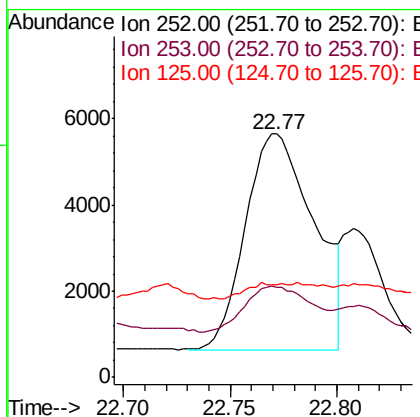
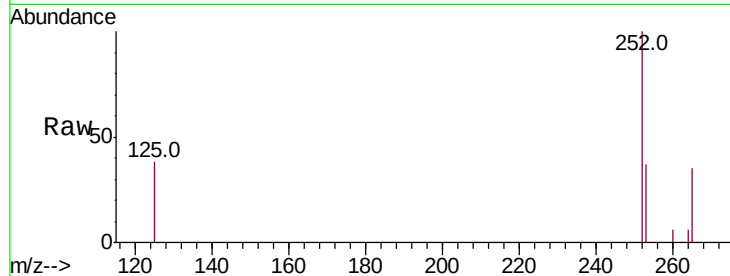
#21
Benzo(b)fluoranthene
Concen: 0.623 ng/ul m
RT: 22.77 min Scan# 6469
Delta R.T. 0.00 min
Lab File: BM022177.D
Acq: 16 Aug 2019 19:26

Instrument :
BNA_M
ClientSampleId :
C0AF5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.1	0.0	67.4
125	38.3	0.0	31.0

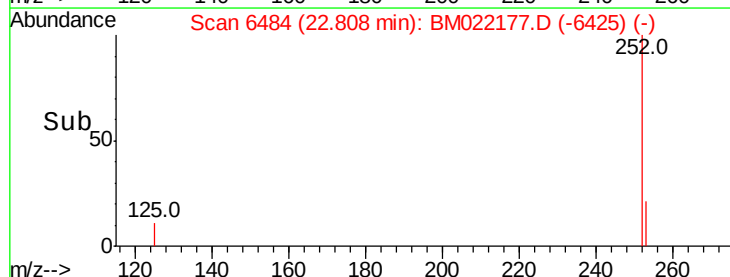
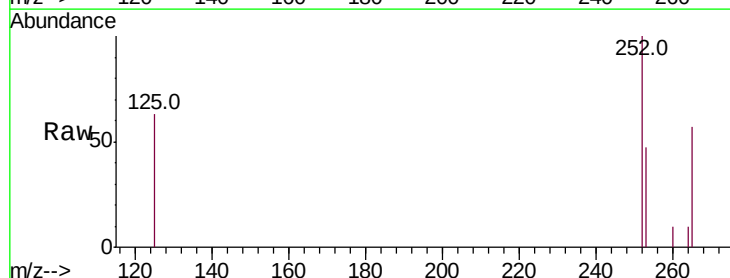
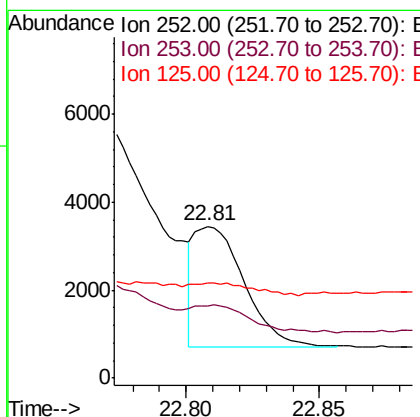
Manual Integrations
APPROVED

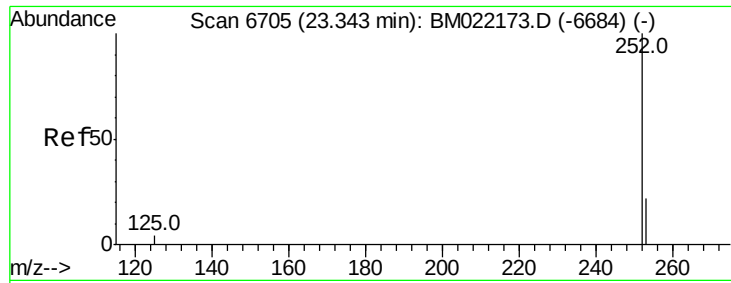
mohammad
8/19/2019 5:32:20 PM



#22
Benzo(k)fluoranthene
Concen: 0.176 ng/ul m
RT: 22.81 min Scan# 6484
Delta R.T. -0.01 min
Lab File: BM022177.D
Acq: 16 Aug 2019 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	47.3	27.0	40.4
125	62.9	12.2	18.2





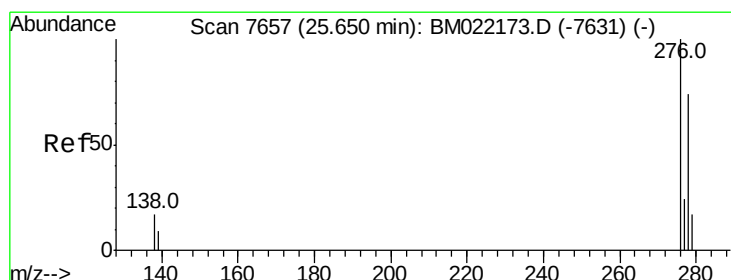
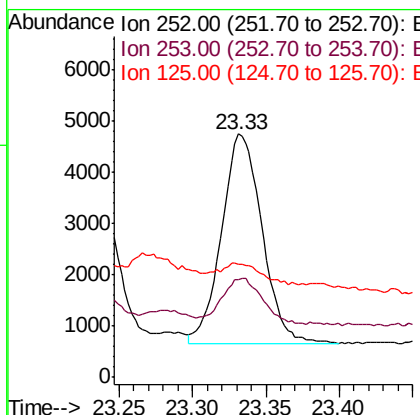
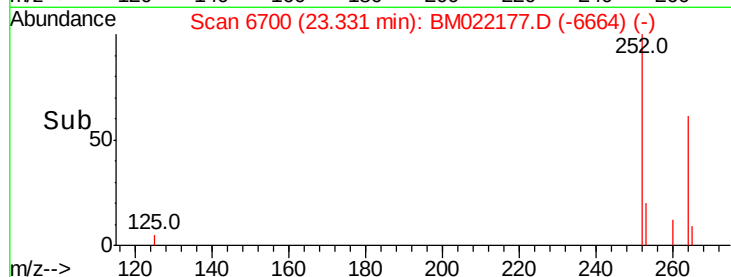
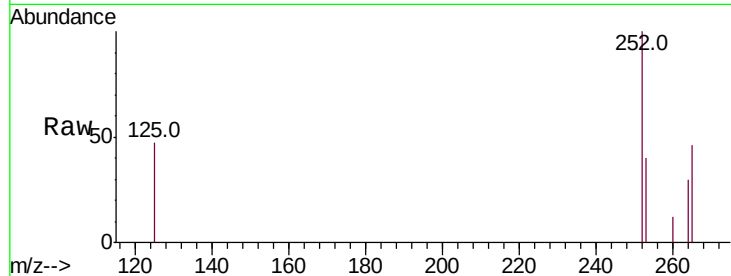
#23
Benzo(a)pyrene
Concen: 0.426 ng/ul
RT: 23.33 min Scan# 6700
Delta R.T. -0.01 min
Lab File: BM022177.D
Acq: 16 Aug 2019 19:26

Instrument :
BNA_M
ClientSampled :
C0AF5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.4	31.7	47.5
125	46.5	14.6	21.8

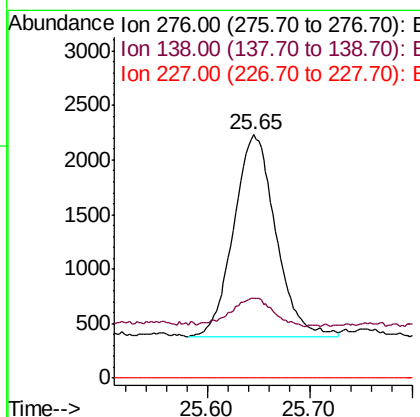
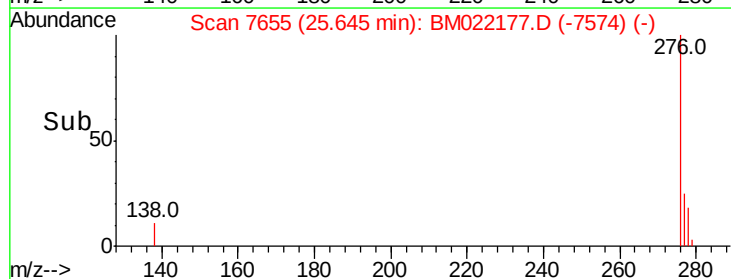
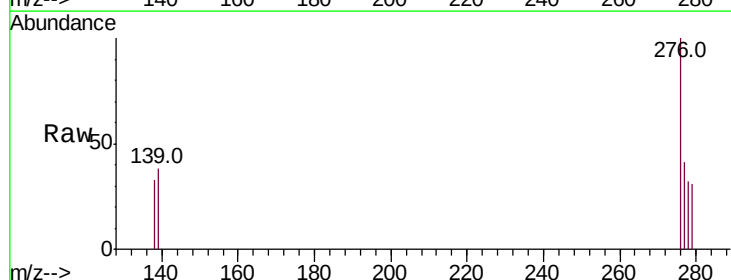
Manual Integrations
APPROVED

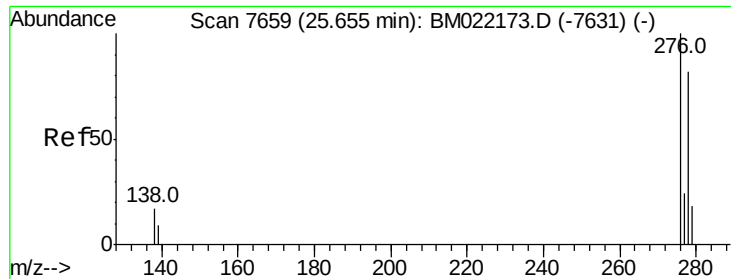
mohammad
8/19/2019 5:32:20 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.239 ng/ul
RT: 25.65 min Scan# 7655
Delta R.T. -0.00 min
Lab File: BM022177.D
Acq: 16 Aug 2019 19:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	15.1	22.7
227	0.0	0.0	0.0





#25

Dibenzo(a,h)anthracene

Concen: 0.077 ng/ul

RT: 25.64 min Scan# 7654

Delta R.T. -0.01 min

Lab File: BM022177.D

Acq: 16 Aug 2019 19:26

Instrument :

BNA_M

ClientSampleId :

C0AF5DL

Tot Ion:278 Resp: 1370

Ion Ratio Lower Upper

278 100

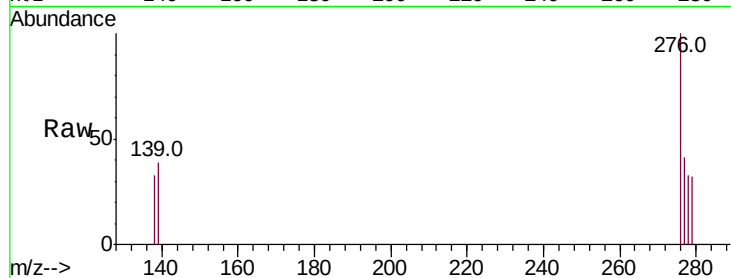
139 116.0 14.2 21.2#

279 94.8 28.3 42.5#

Manual Integrations
APPROVED

mohammad

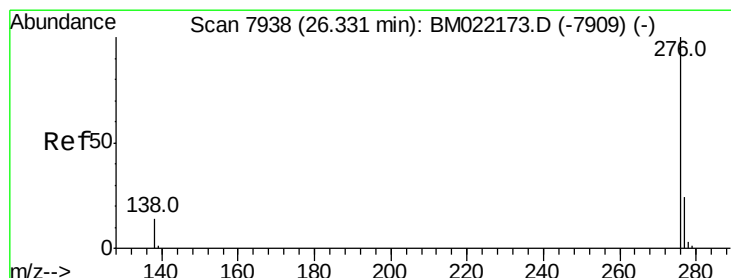
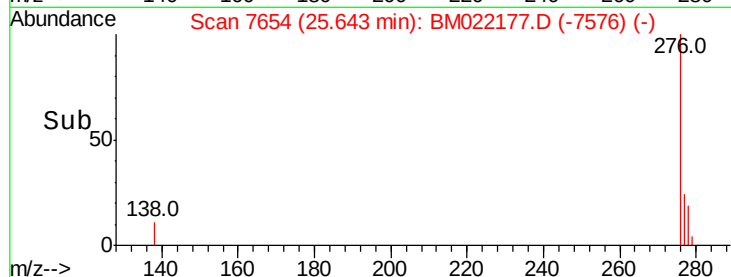
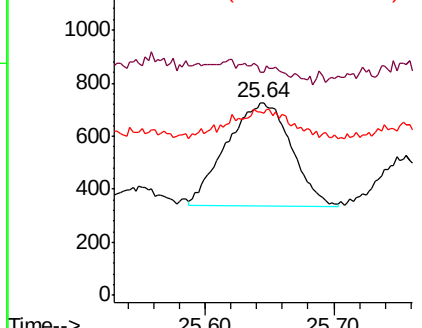
8/19/2019 5:32:20 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.214 ng/ul

RT: 26.33 min Scan# 7936

Delta R.T. -0.00 min

Lab File: BM022177.D

Acq: 16 Aug 2019 19:26

Tgt Ion:276 Resp: 4215

Ion Ratio Lower Upper

276 100

138 37.7 15.5 23.3#

277 46.7 21.4 32.2#

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

