

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021816.D
 Acq On : 04 Aug 2019 17:13
 Operator : HP/JU
 Sample : K3850-12DL 5X
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENR9DL

Manual Integrations
 APPROVED

mohammad
 8/5/2019 10:15:52 PM

Quant Time: Aug 05 07:40:41 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 : Mon Aug 05 06:57:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	828	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3385	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	1967	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4741	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	5127	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	7370	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	202	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	693	0.04	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	500	0.052	ng/ul#	71
5) 2-Methylnaphthalene	12.12	142	337	0.053	ng/ul	96
7) Acenaphthylene	14.01	152	1674	0.182	ng/ul	95
8) Acenaphthene	14.35	153	346	0.046	ng/ul#	93
9) Fluorene	15.35	166	576	0.069	ng/ul#	92
12) Phenanthrene	17.09	178	11024	0.799	ng/ul	98
13) Anthracene	17.18	178	2489	0.212	ng/ul	94
15) Fluoranthene	19.11	202	29483	1.595	ng/ul	96
17) Pyrene	19.47	202	26831	1.274	ng/ul	100
18) Benzo(a)anthracene	21.23	228	14313	0.780	ng/ul	98
19) Chrysene	21.28	228	18104	0.768	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	26138m	1.052	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	9936m	0.353	ng/ul	
23) Benzo(a)pyrene	23.36	252	17544	0.694	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.67	276	14598	0.484	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.68	278	3355	0.138	ng/ul#	84
26) Benzo(g,h,i)perylene	26.36	276	15845	0.583	ng/ul	97

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

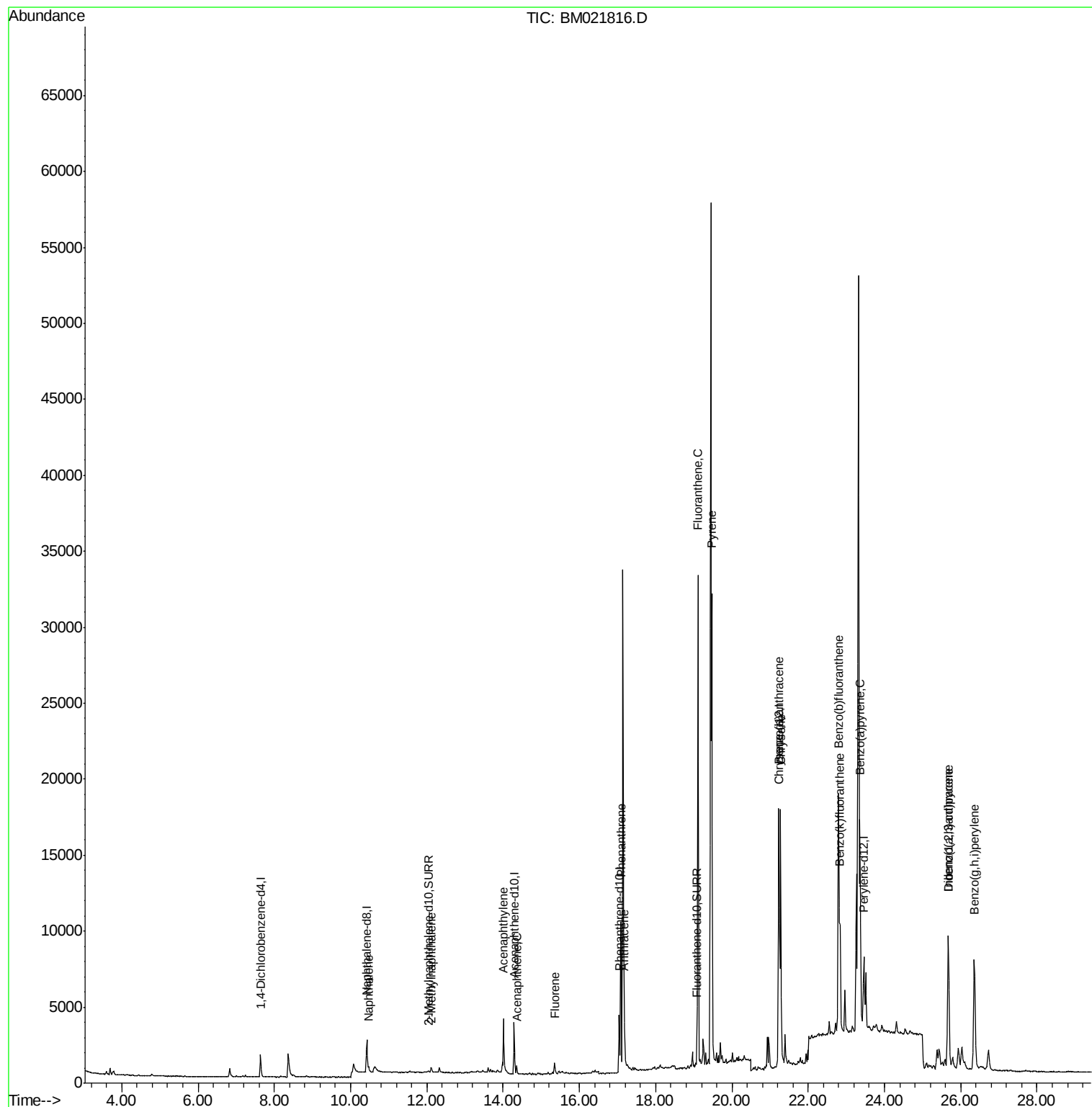
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021816.D
Acq On : 04 Aug 2019 17:13
Operator : HP/JU
Sample : K3850-12DL 5X
Misc :
ALS Vial : 59 Sample Multiplier: 1

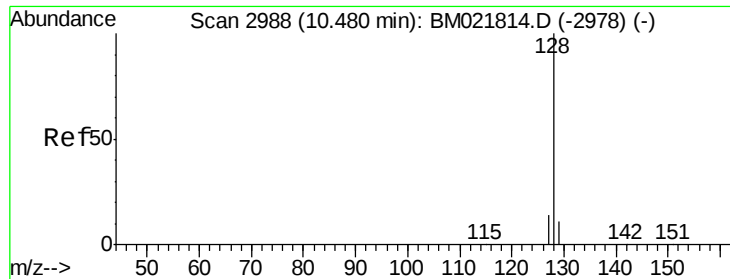
Instrument :
BNA_M
ClientSampleId :
BENR9DL

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:52 PM

Quant Time: Aug 05 07:40:41 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 : Mon Aug 05 06:57:04 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.47 min Scan# 2987

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

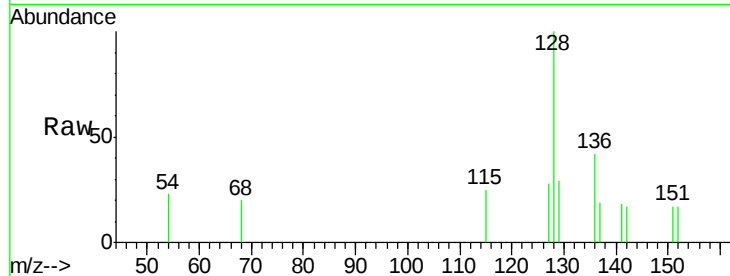
ClientSampleId :

BENR9DL

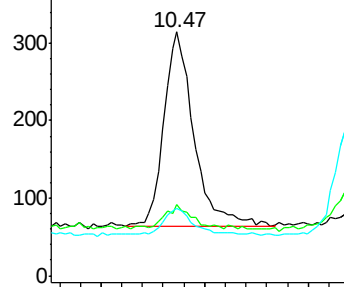
Tgt Ion:	128	Resp:	500
Ion Ratio		Lower	Upper
128	100		
129	29.0	12.3	18.5#
127	27.7	13.0	19.6#

Manual Integrations
APPROVED

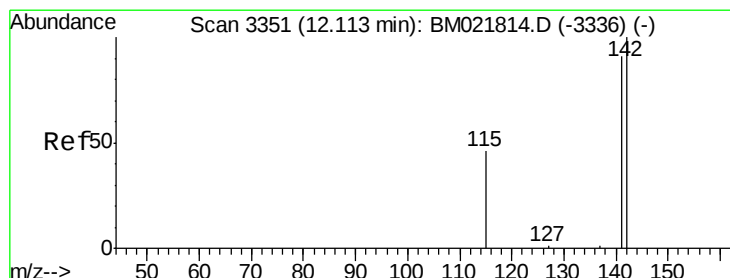
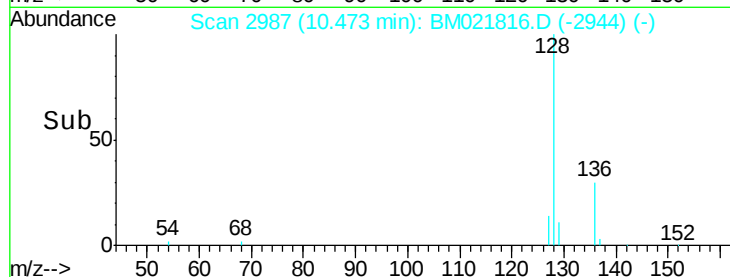
mohammad
8/5/2019 10:15:52 PM



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



Time-->



#5

2-Methylnaphthalene

Concen: 0.053 ng/ul

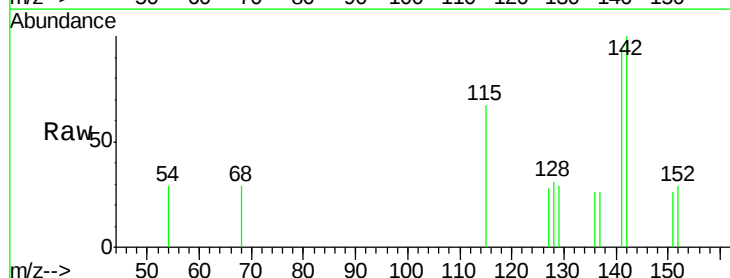
RT: 12.12 min Scan# 3352

Delta R.T. 0.00 min

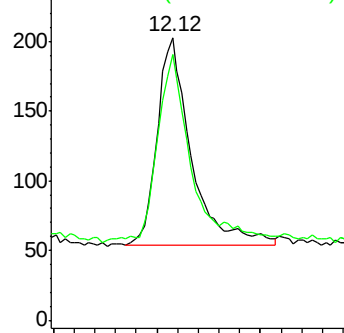
Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

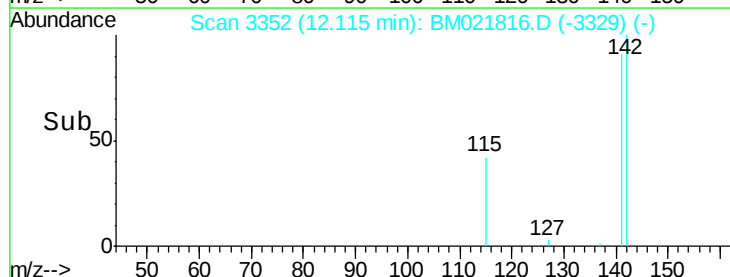
Tgt Ion:	142	Resp:	337
Ion Ratio		Lower	Upper
142	100		
141	89.3	74.3	111.5

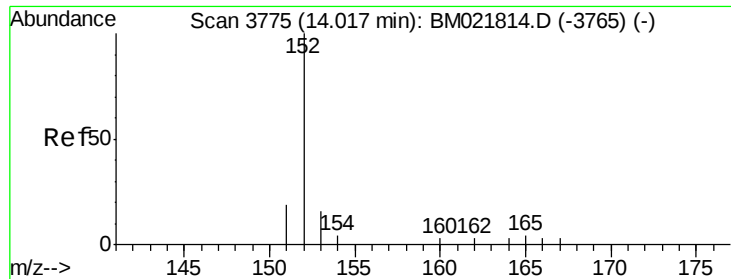


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.182 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

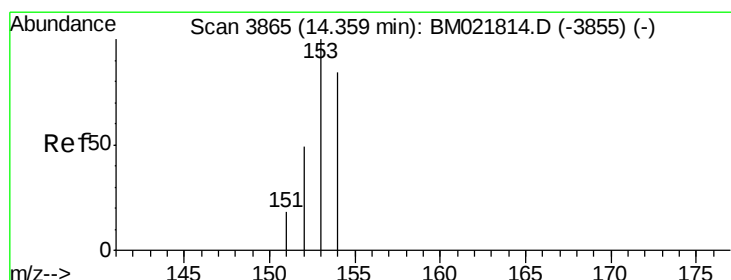
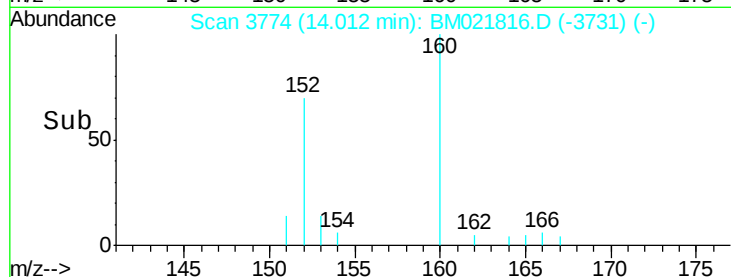
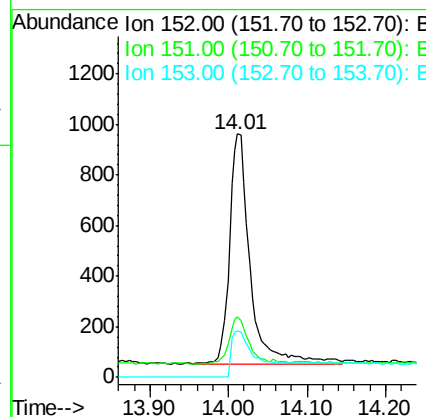
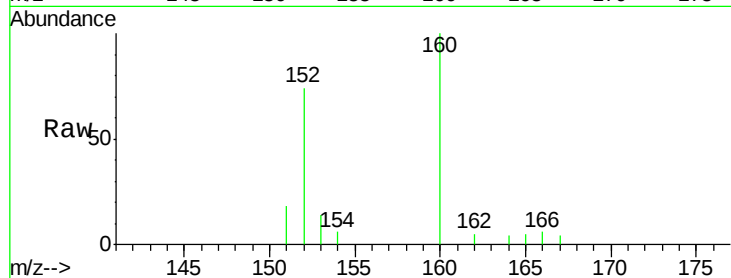
ClientSampleId :

BENR9DL

Tgt Ion:	152	Resp:	1674
Ion Ratio	Lower	Upper	
152	100		
151	24.6	18.3	27.5
153	19.0	12.8	19.2

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:52 PM



#8

Acenaphthene

Concen: 0.046 ng/ul

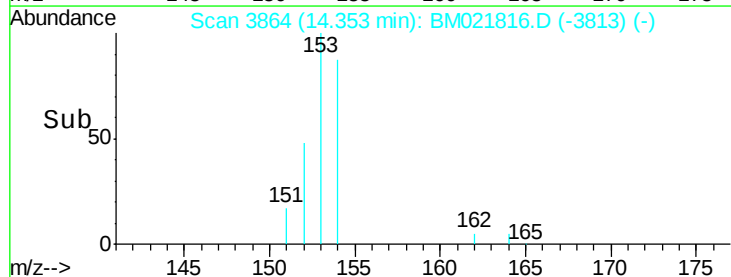
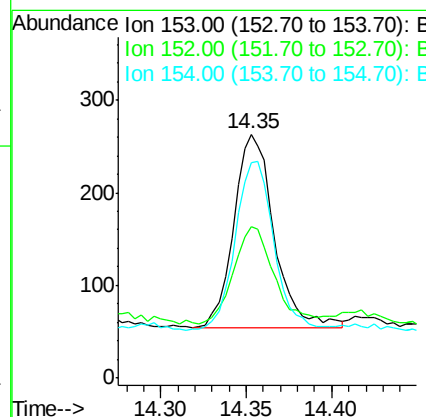
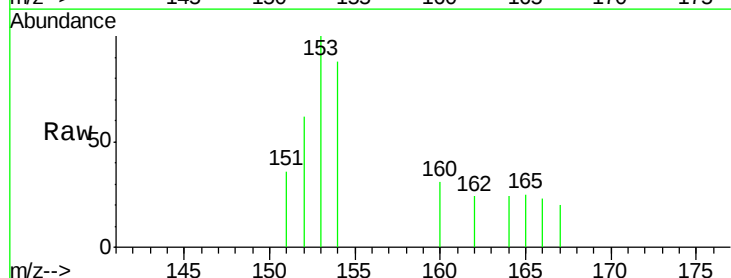
RT: 14.35 min Scan# 3864

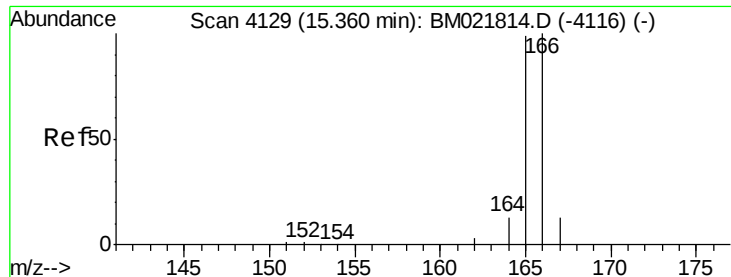
Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Tgt Ion:	153	Resp:	346
Ion Ratio	Lower	Upper	
153	100		
152	62.4	41.3	61.9#
154	88.2	72.3	108.5





#9

Fluorene

Concen: 0.069 ng/ul

RT: 15.35 min Scan# 4127

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

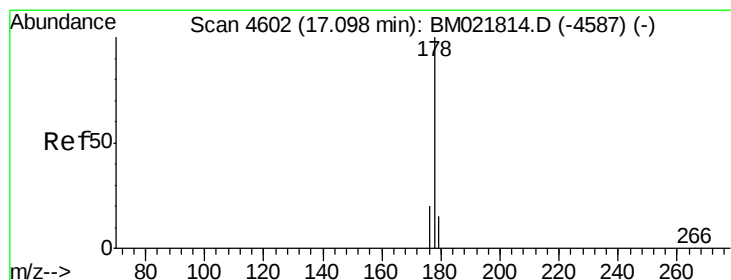
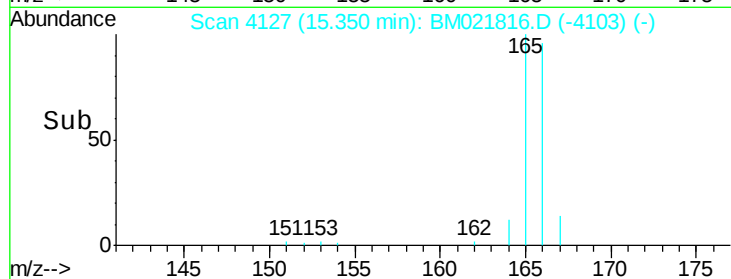
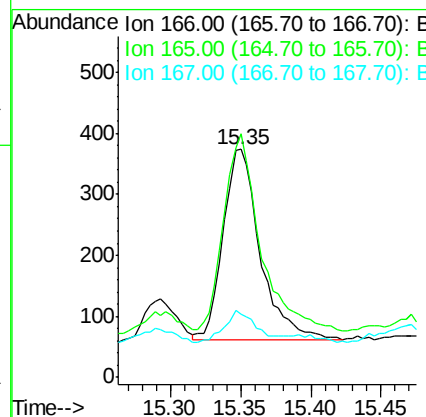
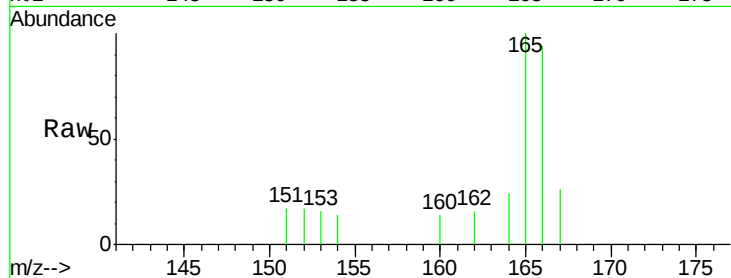
ClientSampleID :

BENR9DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.7	81.4	122.0
167	27.8	13.7	20.5

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:52 PM



#12

Phenanthrene

Concen: 0.799 ng/ul

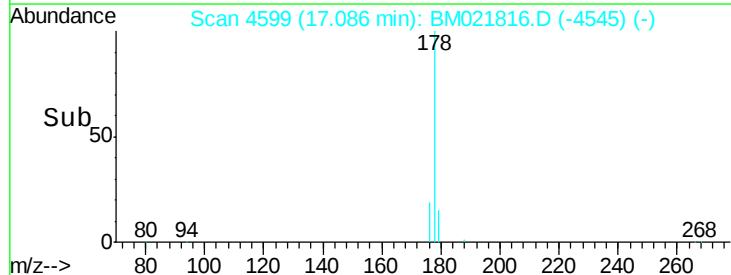
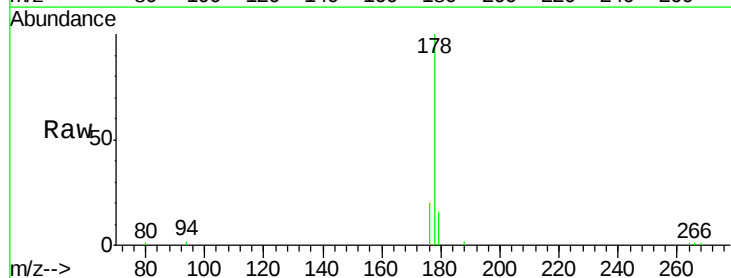
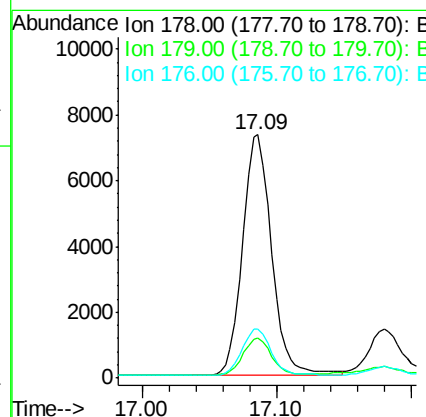
RT: 17.09 min Scan# 4599

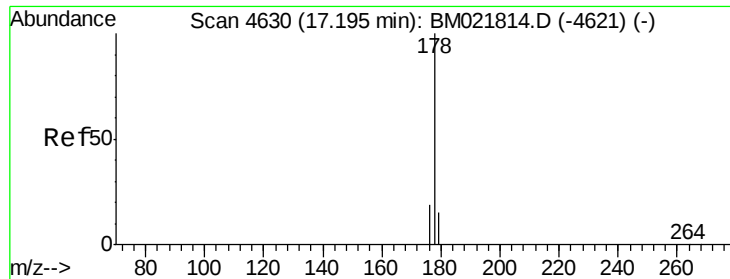
Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	14.2	21.2
176	20.3	16.8	25.2





#13

Anthracene

Concen: 0.212 ng/ul

RT: 17.18 min Scan# 4626

Delta R.T. -0.02 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

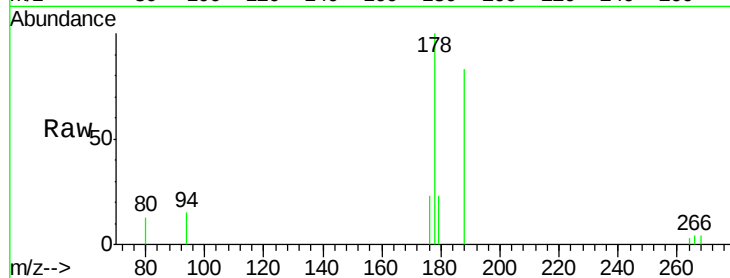
ClientSampleId :

BENR9DL

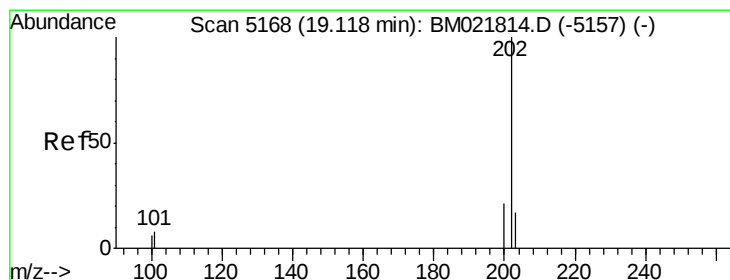
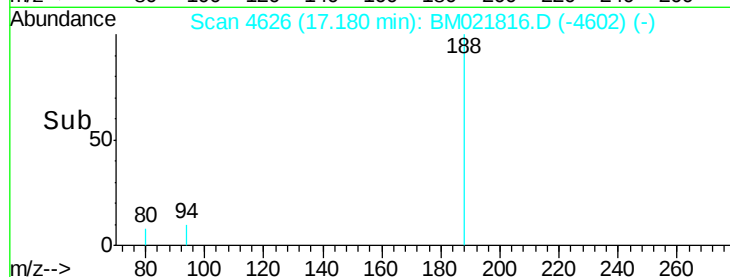
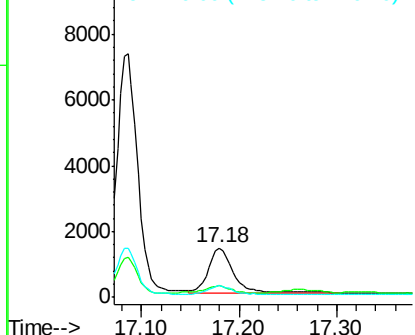
Tgt Ion:	178	Resp:	2489
Ion Ratio	Lower	Upper	
178	100		
179	23.0	15.5	23.3
176	23.1	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:52 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



#15

Fluoranthene

Concen: 1.595 ng/ul

RT: 19.11 min Scan# 5166

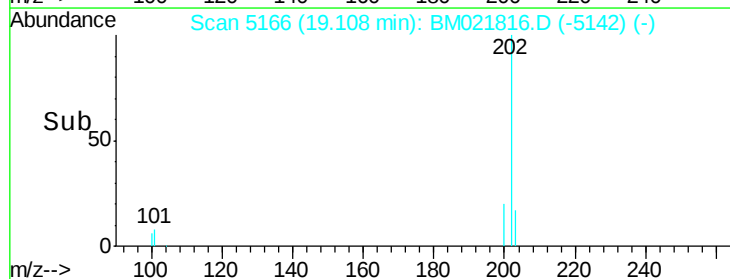
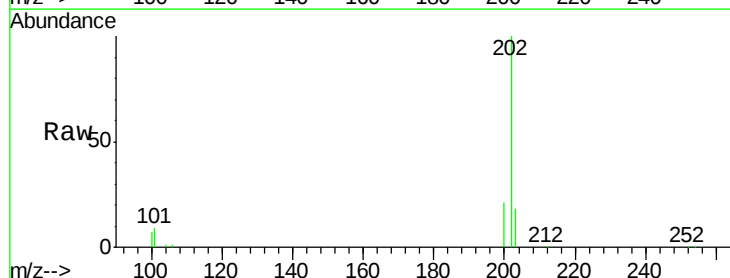
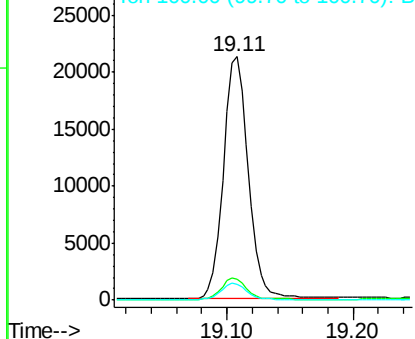
Delta R.T. -0.01 min

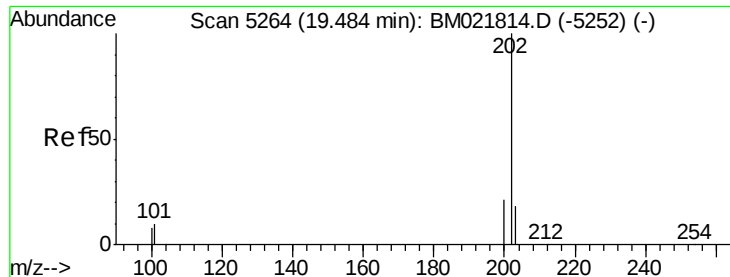
Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Tgt Ion:	202	Resp:	29483
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	30.2
100	6.7	0.0	28.1

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





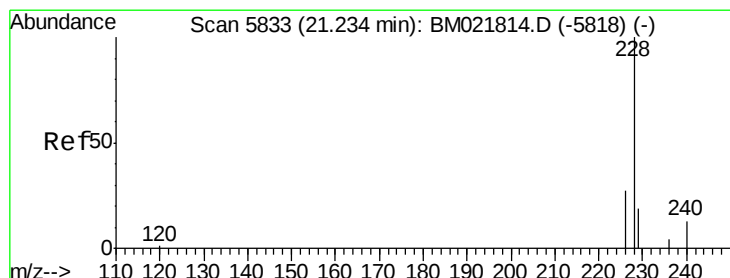
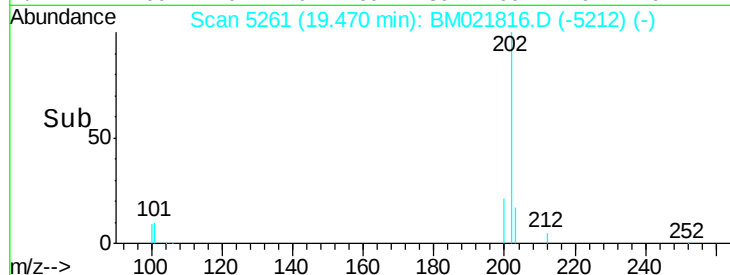
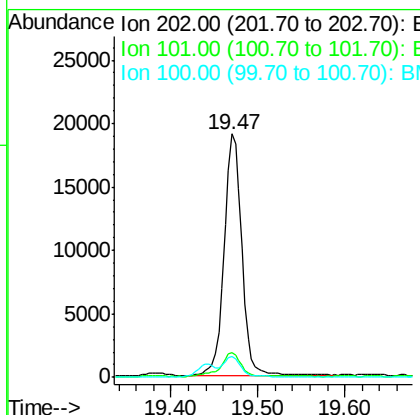
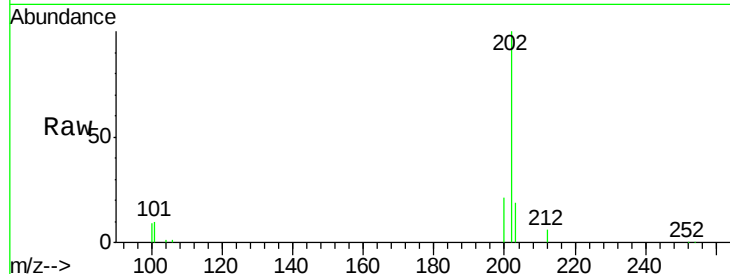
#17
 Pyrene
 Concen: 1.274 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021816.D
 Acq: 04 Aug 2019 17:13

Instrument :
 BNA_M
 ClientSampleId :
 BENR9DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.3	8.3	12.5
100	8.8	7.2	10.8

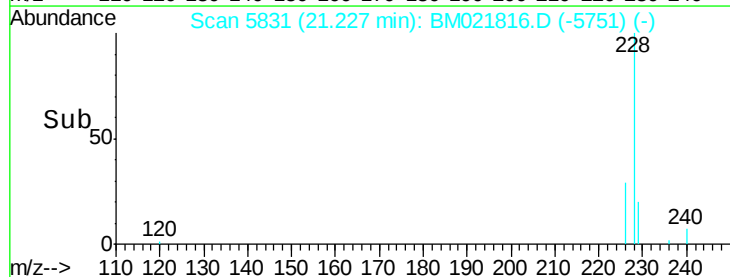
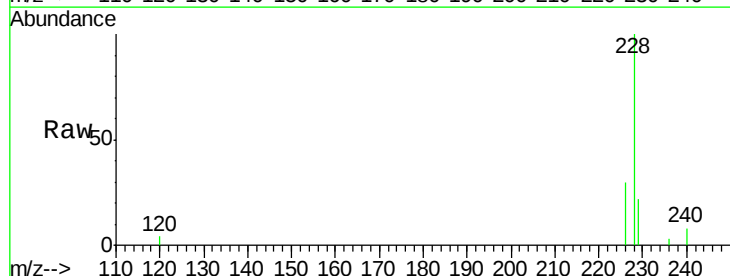
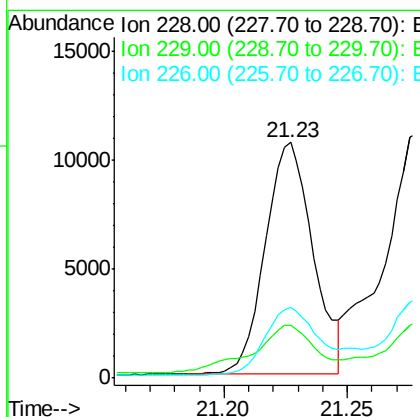
Manual Integrations
 APPROVED

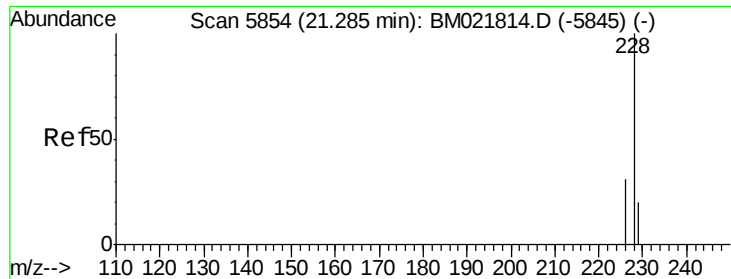
mohammad
 8/5/2019 10:15:52 PM



#18
 Benzo(a)anthracene
 Concen: 0.780 ng/ul
 RT: 21.23 min Scan# 5831
 Delta R.T. -0.01 min
 Lab File: BM021816.D
 Acq: 04 Aug 2019 17:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.2	17.2	25.8
226	29.9	22.6	34.0





#19

Chrysene

Concen: 0.768 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

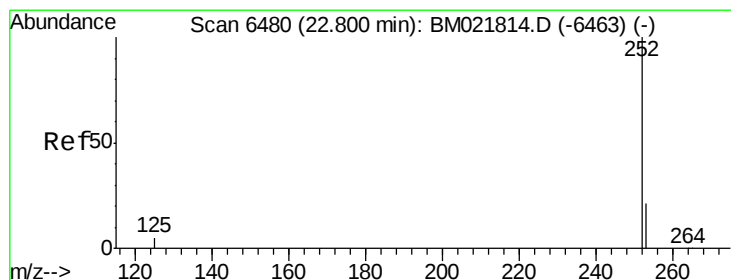
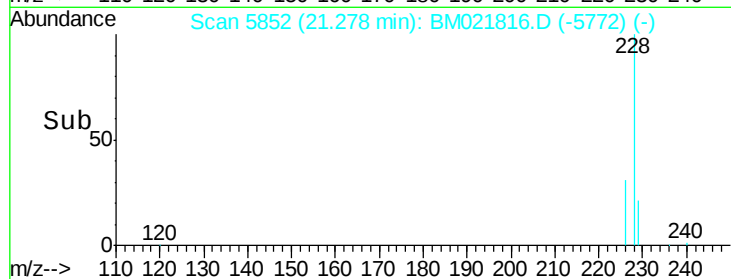
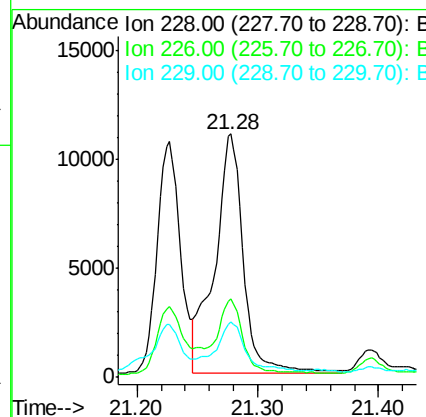
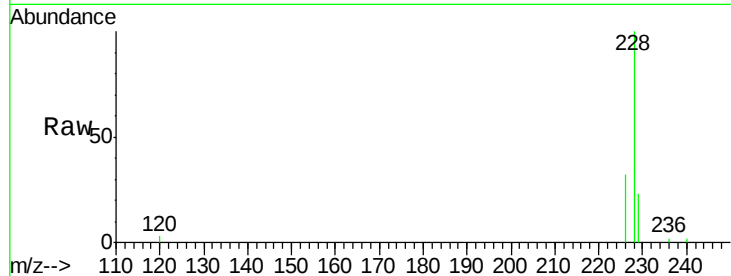
ClientSampleId :

BENR9DL

Tgt Ion:	228	Resp:	18104
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.9	37.3
229	22.8	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:52 PM



#21

Benzo(b)fluoranthene

Concen: 1.052 ng/ul m

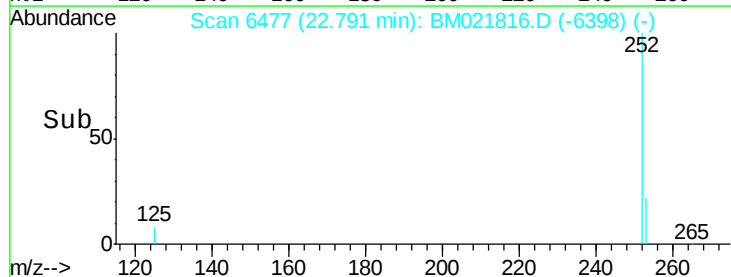
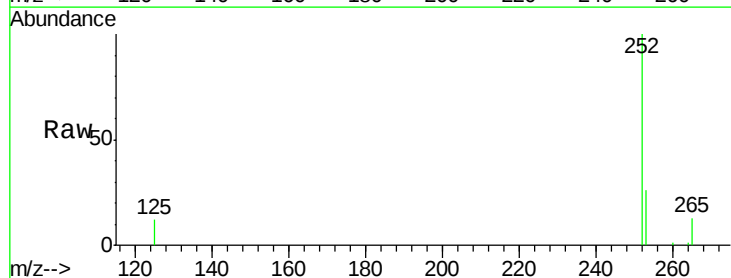
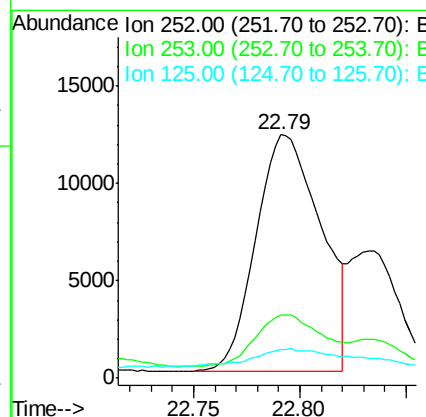
RT: 22.79 min Scan# 6477

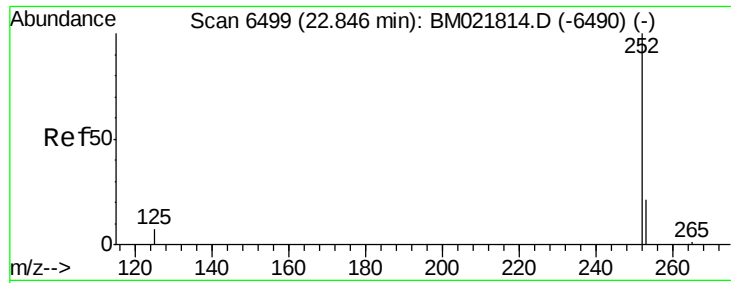
Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Tgt Ion:	252	Resp:	26138
Ion Ratio	Lower	Upper	
252	100		
253	26.1	0.0	67.4
125	12.0	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 0.353 ng/ul m

RT: 22.83 min Scan# 6495

Delta R.T. -0.01 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Instrument :

BNA_M

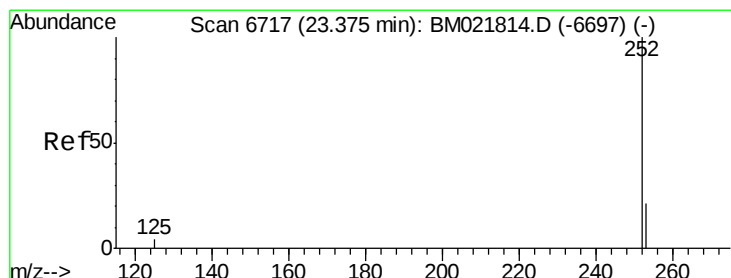
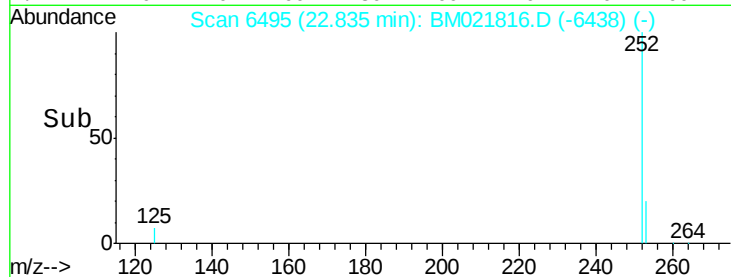
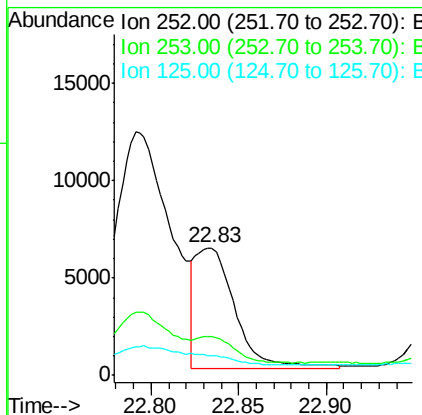
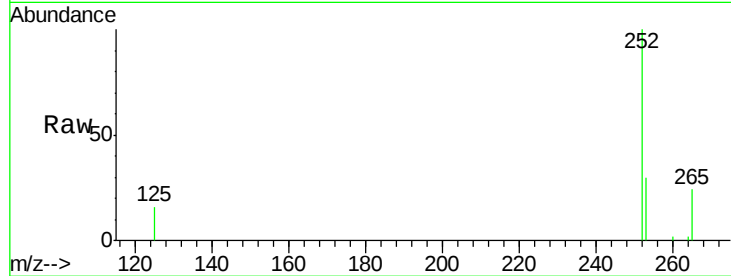
ClientSampleId :

BENR9DL

Tgt Ion:	252	Resp:	9936
Ion Ratio	Lower	Upper	
252	100		
253	29.9	27.0	40.4
125	15.7	12.2	18.2

Manual Integrations
APPROVED

mohammad
8/5/2019 10:15:52 PM



#23

Benzo(a)pyrene

Concen: 0.694 ng/ul

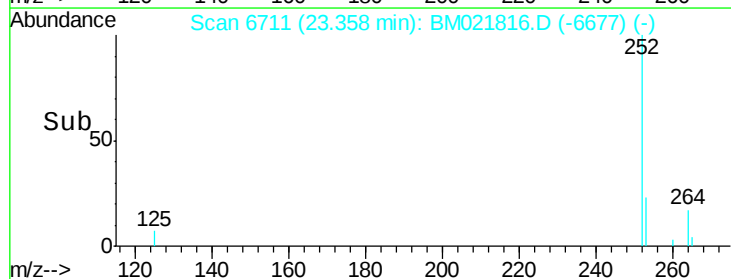
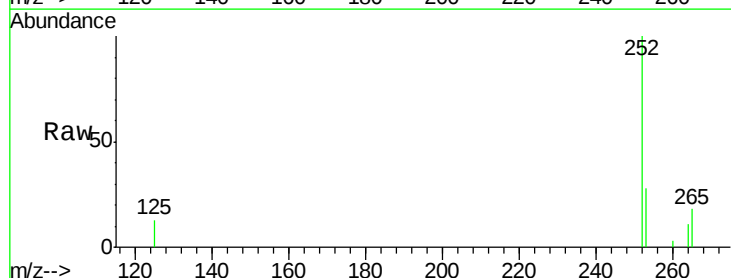
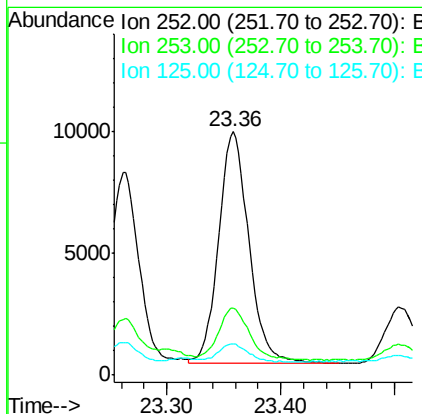
RT: 23.36 min Scan# 6711

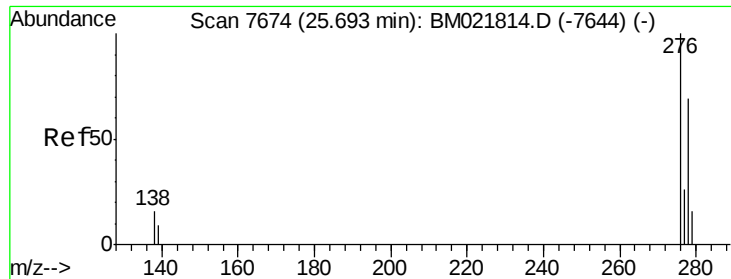
Delta R.T. -0.02 min

Lab File: BM021816.D

Acq: 04 Aug 2019 17:13

Tgt Ion:	252	Resp:	17544
Ion Ratio	Lower	Upper	
252	100		
253	27.7	31.7	47.5#
125	13.0	14.6	21.8#





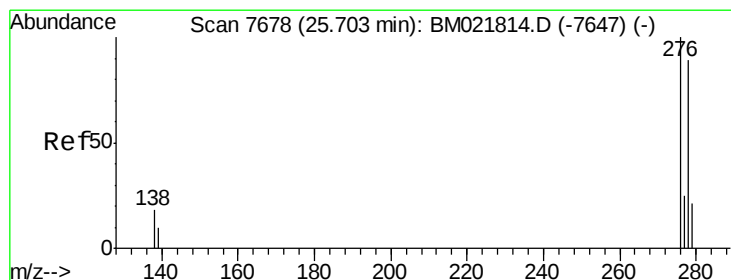
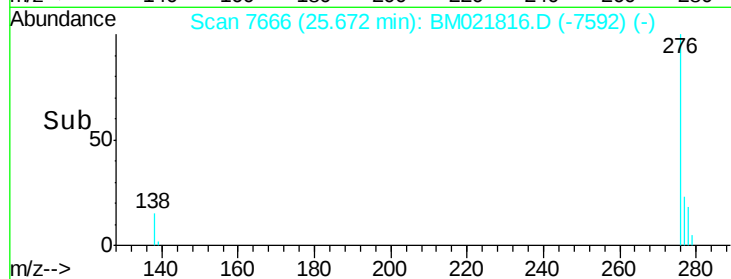
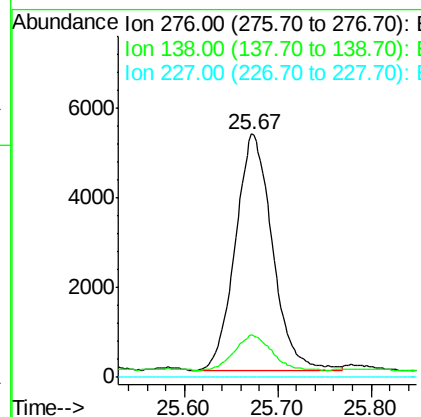
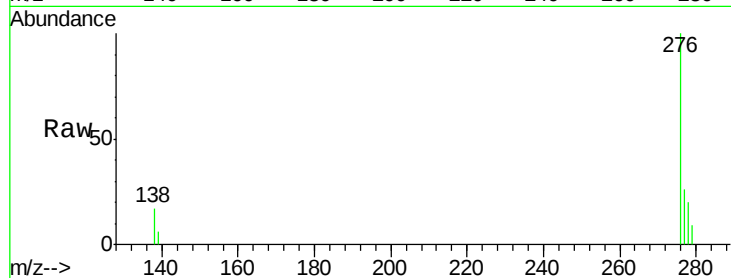
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.484 ng/u1
 RT: 25.67 min Scan# 7666
 Delta R.T. -0.02 min
 Lab File: BM021816.D
 Acq: 04 Aug 2019 17:13

Instrument :
 BNA_M
 ClientSampleId :
 BENR9DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	14598		
138	14.9	15.1	22.7#	
227	0.0	0.0	0.0	

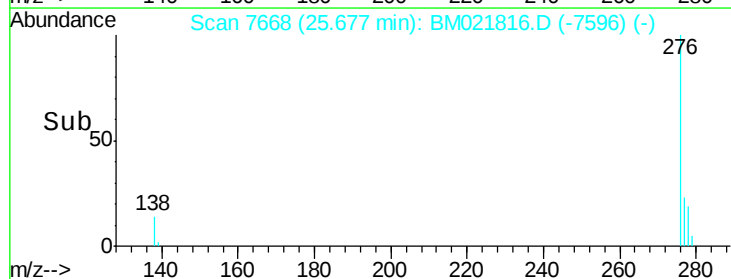
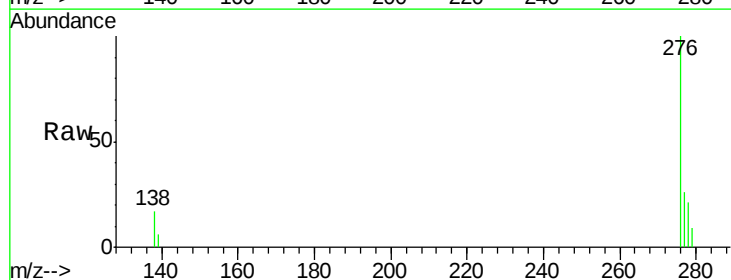
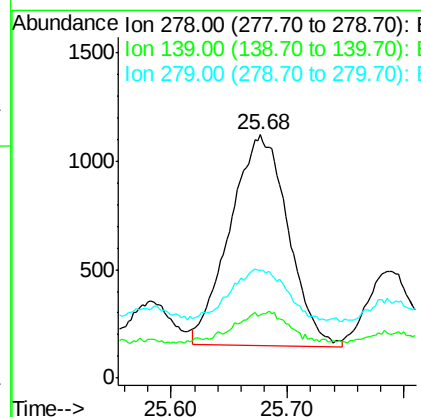
Manual Integrations
 APPROVED

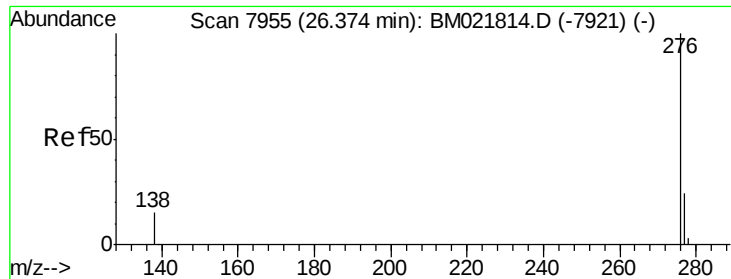
mohammad
 8/5/2019 10:15:52 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.138 ng/u1
 RT: 25.68 min Scan# 7668
 Delta R.T. -0.03 min
 Lab File: BM021816.D
 Acq: 04 Aug 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	3355		
139	25.9	14.2	21.2#	
279	44.1	28.3	42.5#	





#26
 Benzo(g,h,i)perylene
 Concen: 0.583 ng/ul
 RT: 26.36 min Scan# 7948
 Delta R.T. -0.02 min
 Lab File: BM021816.D
 Acq: 04 Aug 2019 17:13

Instrument :
 BNA_M
 ClientSampleId :
 BENR9DL

Tgt Ion:	276	Resp:	15845
Ion Ratio	Lower	Upper	
276	100		
138	17.5	15.5	23.3
277	25.4	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/5/2019 10:15:52 PM

