

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040420\
 Data File : BM025939.D
 Acq On : 04 Apr 2020 07:24
 Operator : CG/JU
 Sample : L2062-08RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F3E07RE

Manual Integrations
 APPROVED

mohammad
 4/6/2020 1:41:58 PM

Quant Time: Apr 06 00:40:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM040220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 02 10:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	4906	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	22603	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	16168	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	36520m	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	40625	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	40798	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	11507	0.29	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	35820	0.31	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	4558	0.069	ng/ul#	94
5) 2-Methylnaphthalene	12.00	142	1699	0.037	ng/ul	100
7) Acenaphthylene	13.92	152	111364	1.611	ng/ul	99
8) Acenaphthene	14.26	153	5570	0.097	ng/ul	97
9) Fluorene	15.25	166	11464	0.161	ng/ul	99
11) Pentachlorophenol	16.61	266	266	0.030	ng/ul#	87
12) Phenanthrene	16.99	178	68213	0.593	ng/ul	99
13) Anthracene	17.08	178	605044	5.952	ng/ul	99
15) Fluoranthene	19.01	202	1901107	13.373	ng/ul	99
17) Pyrene	19.38	202	3363942	23.121	ng/ul	97
18) Benzo(a)anthracene	21.13	228	2985770	20.561	ng/ul	97
19) Chrysene	21.19	228	5527643	34.875	ng/ul	98
21) Benzo(b)fluoranthene	22.67	252	6157674m	41.012	ng/ul	
22) Benzo(k)fluoranthene	22.70	252	2185945m	13.578	ng/ul	
23) Benzo(a)pyrene	23.21	252	2666145	19.870	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.41	276	1039931	5.787	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.41	278	309994	2.067	ng/ul	98
26) Benzo(g,h,i)perylene	26.05	276	575591	3.786	ng/ul	99

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

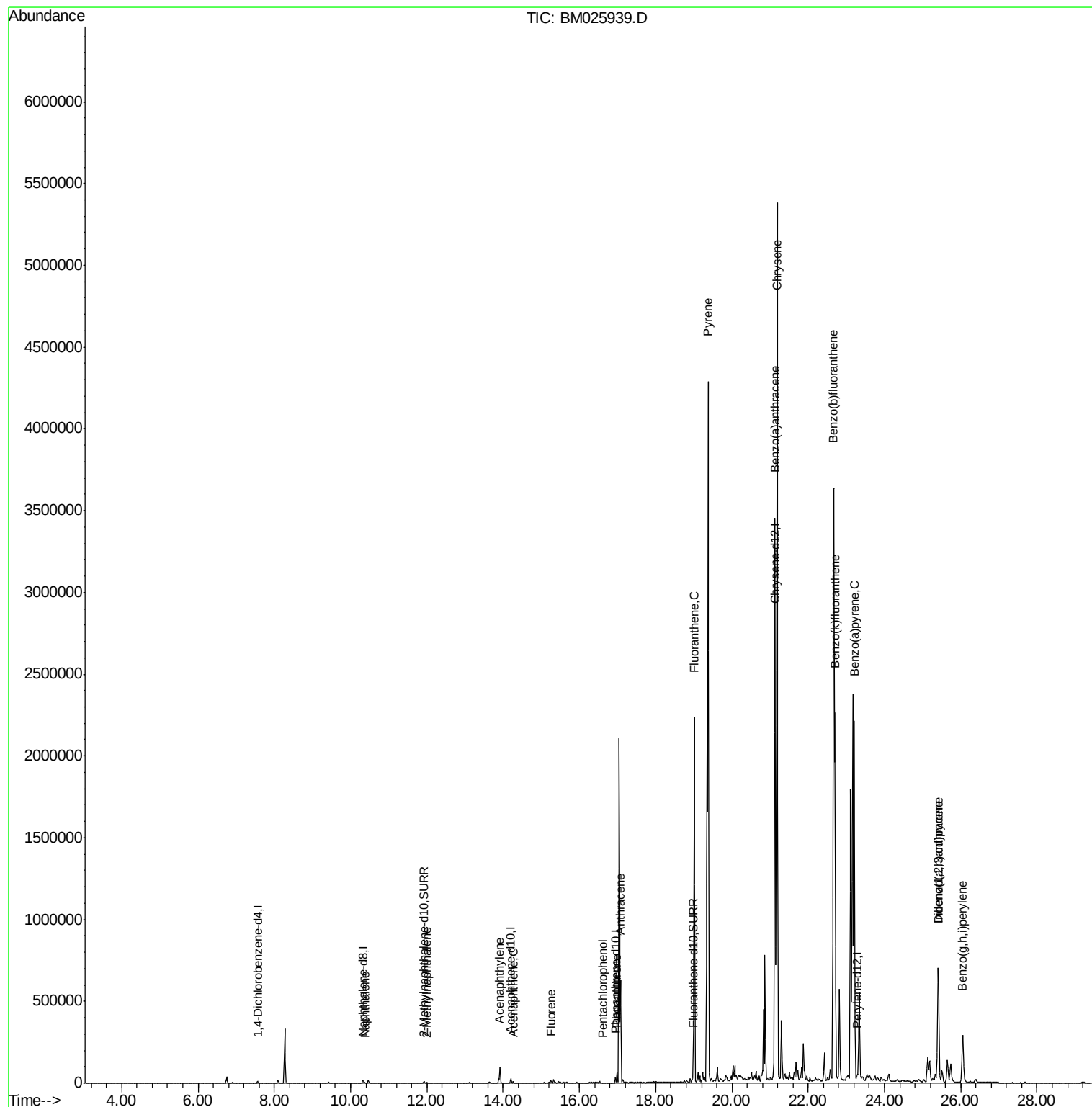
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040420\
Data File : BM025939.D
Acq On : 04 Apr 2020 07:24
Operator : CG/JU
Sample : L2062-08RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

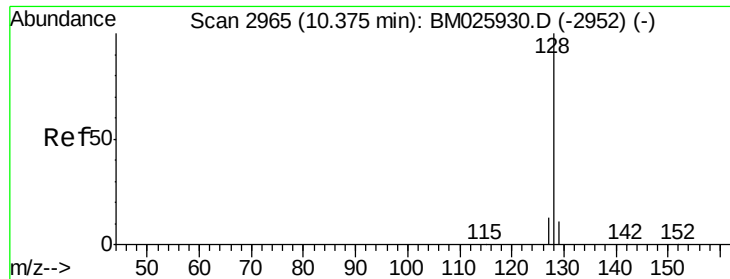
Instrument :
BNA_M
ClientSampleId :
F3E07RE

Manual Integrations
APPROVED

mohammad
4/6/2020 1:41:58 PM

Quant Time: Apr 06 00:40:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM040220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 02 10:49:07 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.069 ng/ul

RT: 10.37 min Scan# 2964

Delta R.T. -0.01 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Instrument :

BNA_M

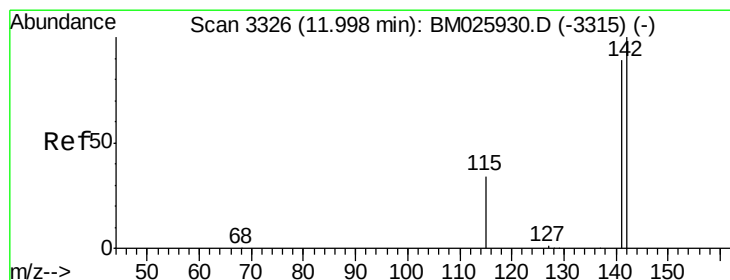
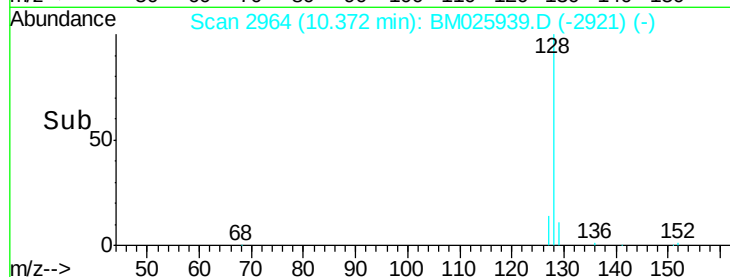
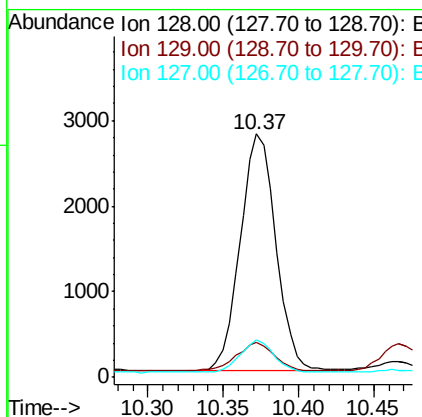
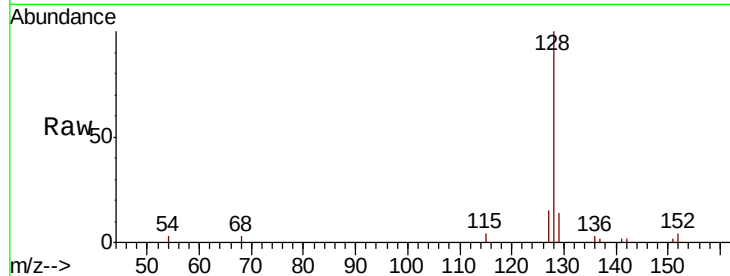
ClientSampleId :

F3E07RE

Tot Ion:	128	Resp:	4558
Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.1	13.7#
127	15.4	10.7	16.1

Manual Integrations
APPROVED

mohammad
4/6/2020 1:41:58 PM



#5

2-Methylnaphthalene

Concen: 0.037 ng/ul

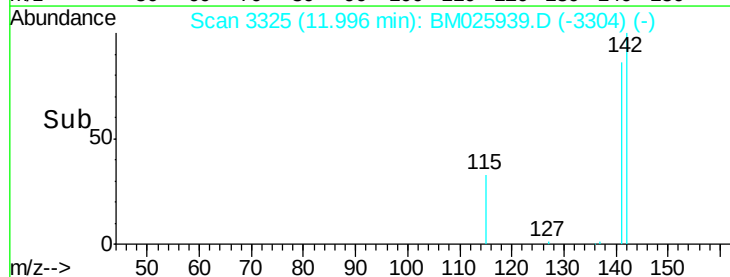
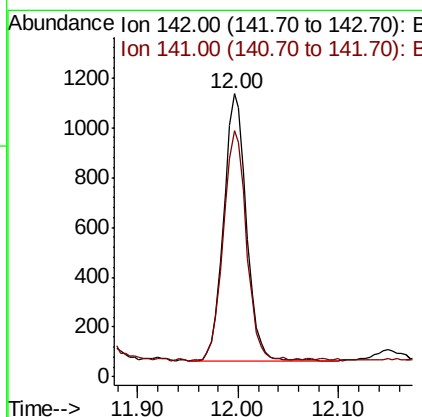
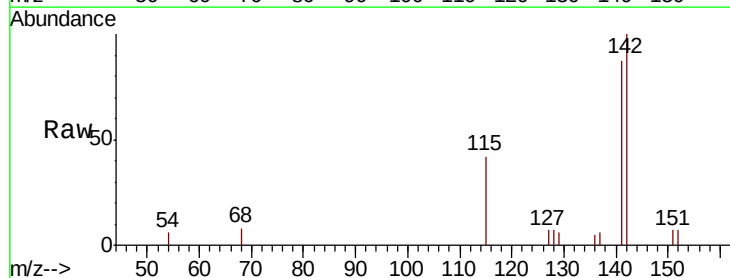
RT: 12.00 min Scan# 3325

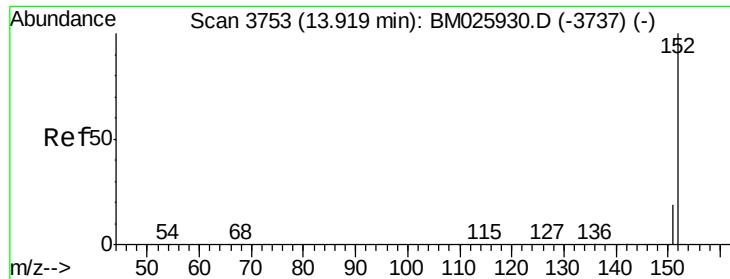
Delta R.T. -0.01 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Tgt Ion:	142	Resp:	1699
Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.0	103.6





#7

Acenaphthylene

Concen: 1.611 ng/ul

RT: 13.92 min Scan# 3752

Delta R.T. -0.01 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Instrument :

BNA_M

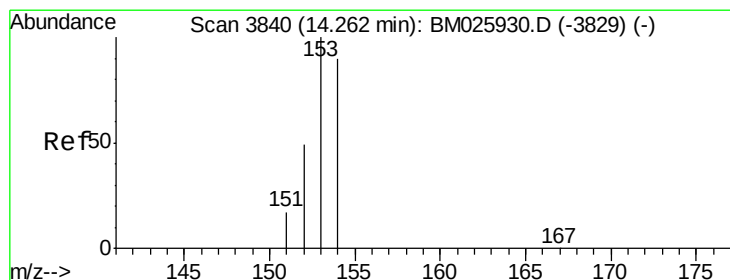
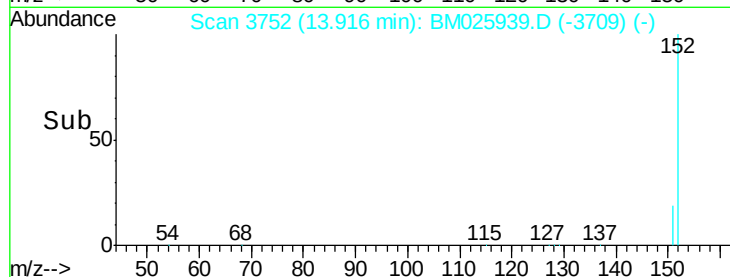
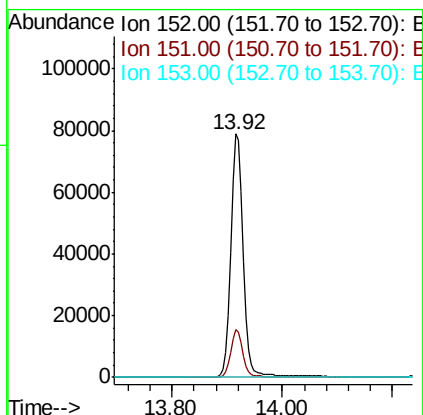
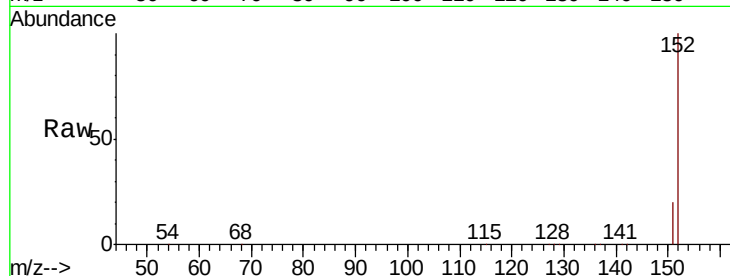
ClientSampled :

F3E07RE

Tot Ion:	152	Resp:	111364
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.1	24.1
153	0.0	0.0	0.0

Manual Integrations
APPROVED

mohammad
4/6/2020 1:41:58 PM



#8

Acenaphthene

Concen: 0.097 ng/ul

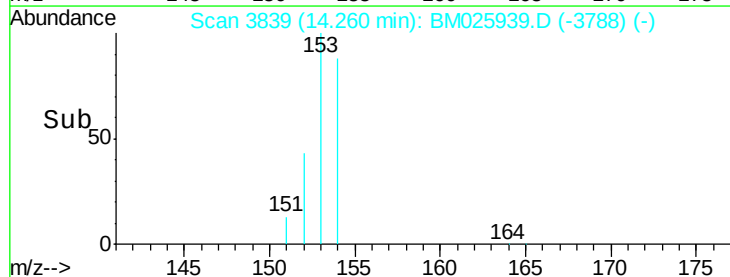
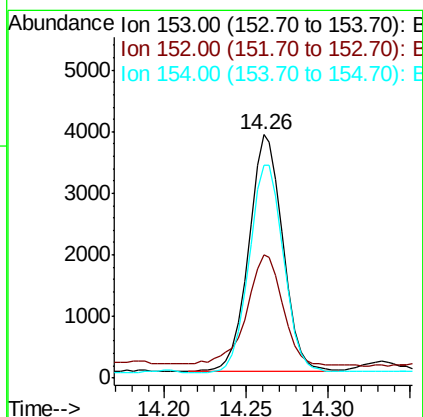
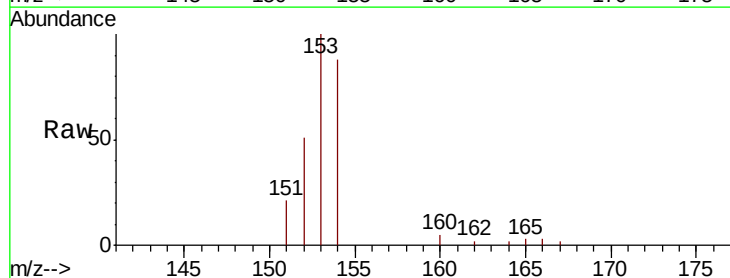
RT: 14.26 min Scan# 3839

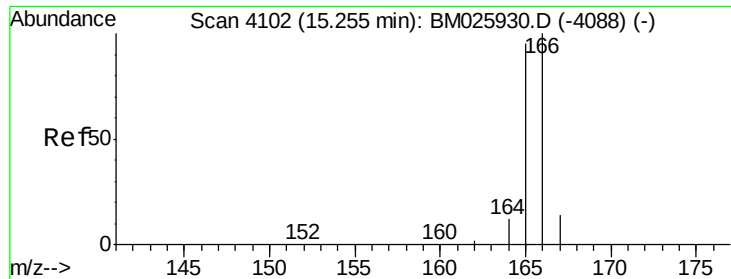
Delta R.T. -0.01 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Tgt Ion:	153	Resp:	5570
Ion Ratio	Lower	Upper	
153	100		
152	50.6	38.8	58.2
154	87.5	71.9	107.9





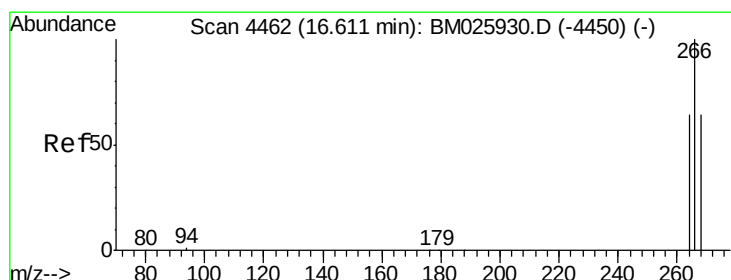
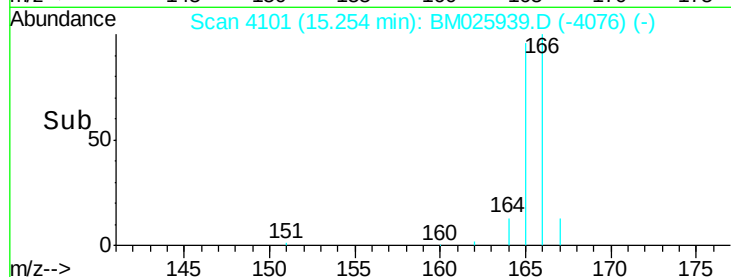
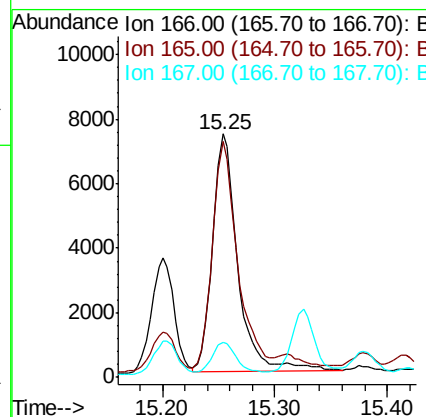
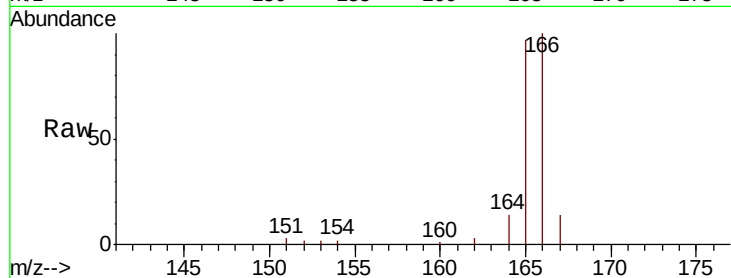
#9
Fluorene
 Concen: 0.161 ng/ul
 RT: 15.25 min Scan# 4101
 Delta R.T. -0.01 min
 Lab File: BM025939.D
 Acq: 04 Apr 2020 07:24

Instrument :
 BNA_M
 ClientSampleId :
 F3E07RE

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	96.8	76.6	115.0	
167	14.5	11.4	17.0	

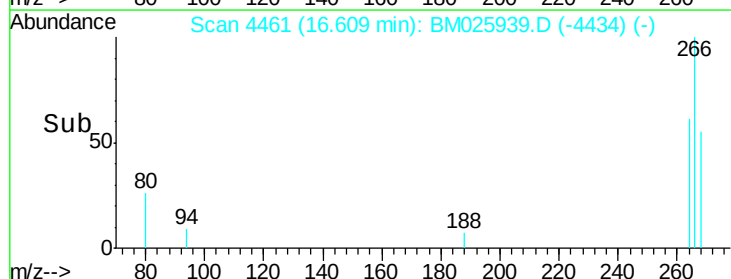
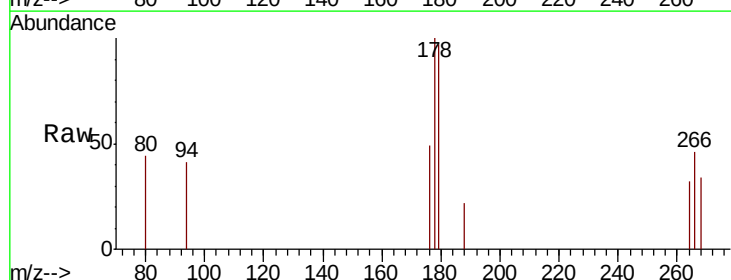
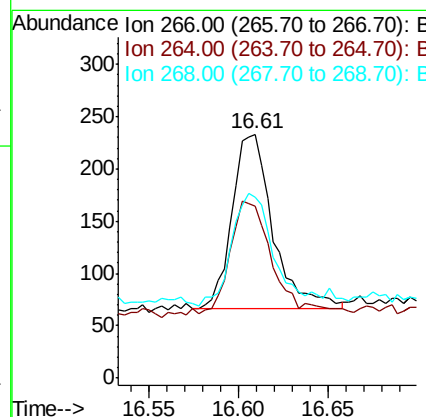
Manual Integrations
 APPROVED

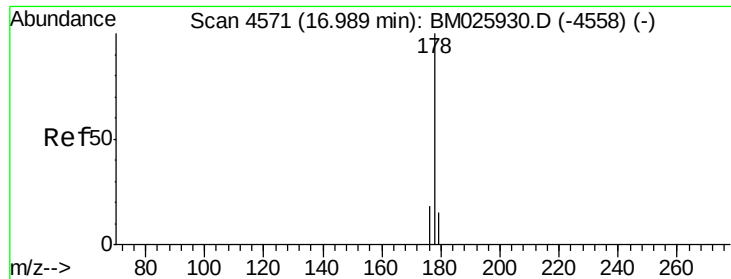
mohammad
 4/6/2020 1:41:58 PM



#11
Pentachlorophenol
 Concen: 0.030 ng/ul
 RT: 16.61 min Scan# 4461
 Delta R.T. -0.00 min
 Lab File: BM025939.D
 Acq: 04 Apr 2020 07:24

Tgt Ion	Ion	Ratio	Lower	Upper
266	100			
264	75.2	48.4	72.6	
268	66.2	48.7	73.1	





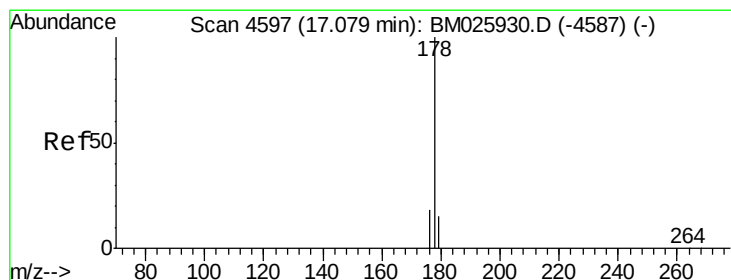
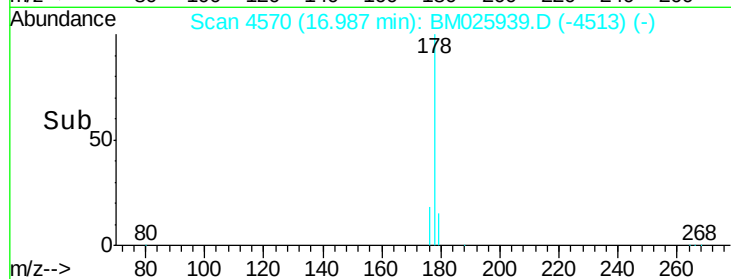
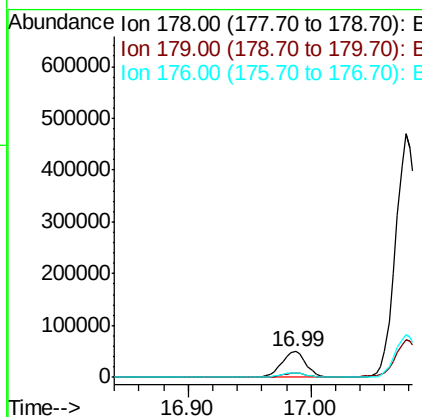
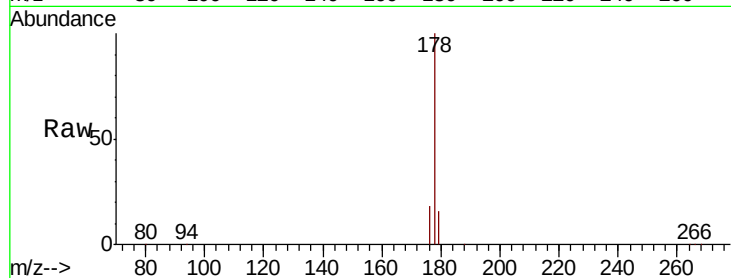
#12
Phenanthrene
Concen: 0.593 ng/ul
RT: 16.99 min Scan# 4570
Delta R.T. -0.00 min
Lab File: BM025939.D
Acq: 04 Apr 2020 07:24

Instrument :
BNA_M
ClientSampleId :
F3E07RE

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2
176	18.1	15.1	22.7

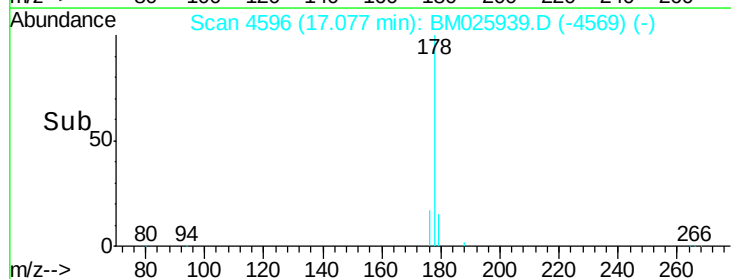
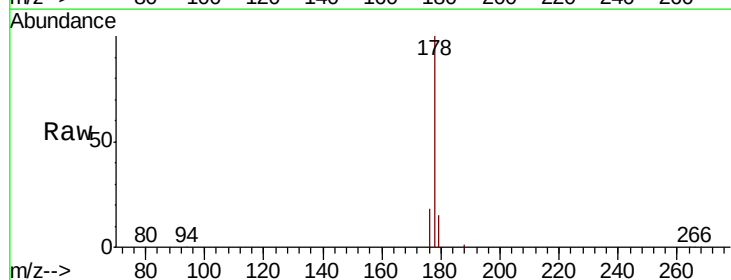
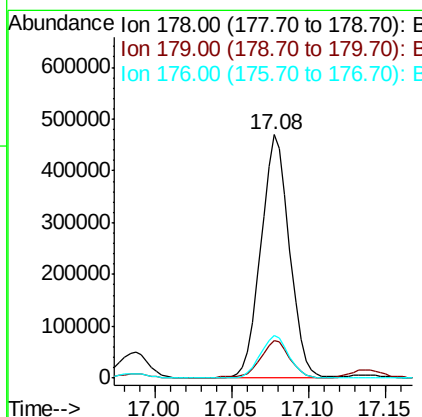
Manual Integrations
APPROVED

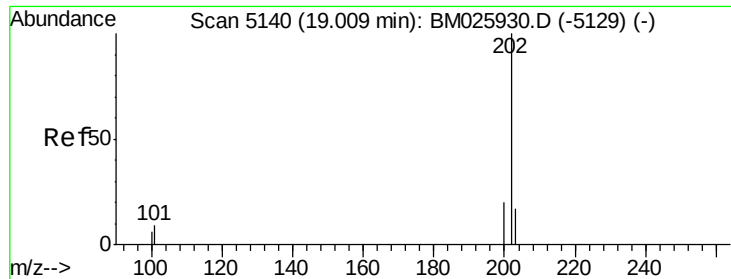
mohammad
4/6/2020 1:41:58 PM



#13
Anthracene
Concen: 5.952 ng/ul
RT: 17.08 min Scan# 4596
Delta R.T. -0.00 min
Lab File: BM025939.D
Acq: 04 Apr 2020 07:24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.8	19.2
176	17.5	14.5	21.7





#15

Fluoranthene

Concen: 13.373 ng/ul

RT: 19.01 min Scan# 5140

Delta R.T. -0.00 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Instrument :

BNA_M

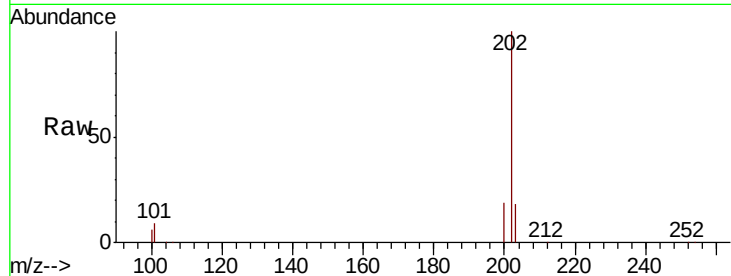
ClientSampleId :

F3E07RE

Tot Ion:	202	Resp:	1901107
Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.6
100	6.4	0.0	27.0

Manual Integrations
APPROVED

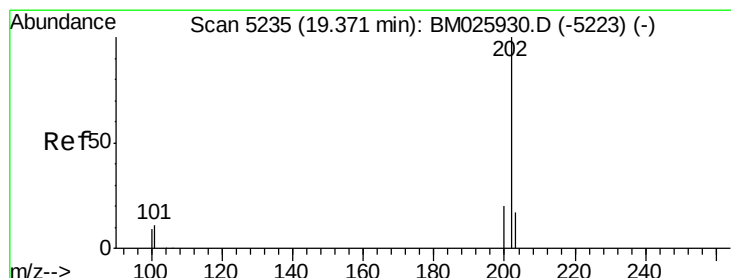
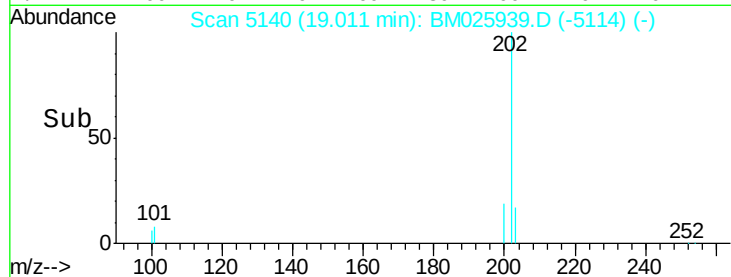
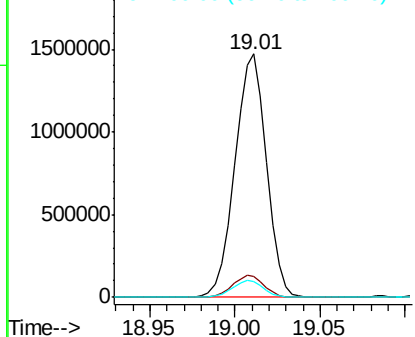
mohammad
4/6/2020 1:41:58 PM



Abundance Ion 202.00 (201.70 to 202.70): E

2000000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 23.121 ng/ul

RT: 19.38 min Scan# 5236

Delta R.T. 0.00 min

Lab File: BM025939.D

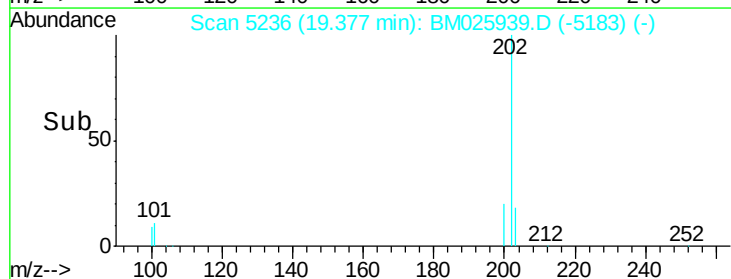
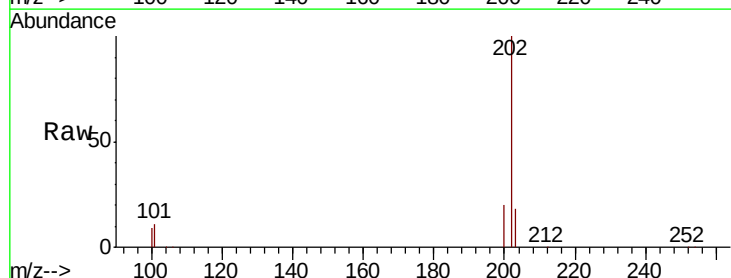
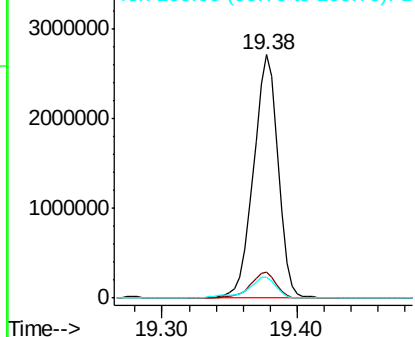
Acq: 04 Apr 2020 07:24

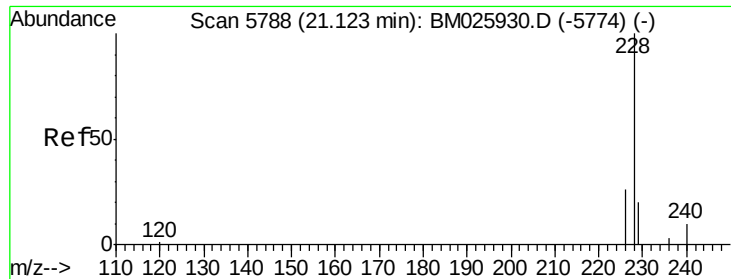
Tgt Ion:	202	Resp:	3363942
Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.5	11.3
100	8.8	6.3	9.5

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





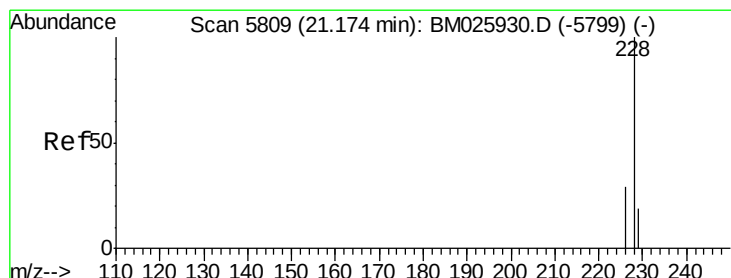
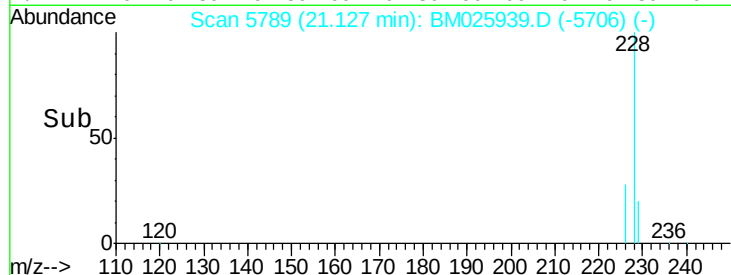
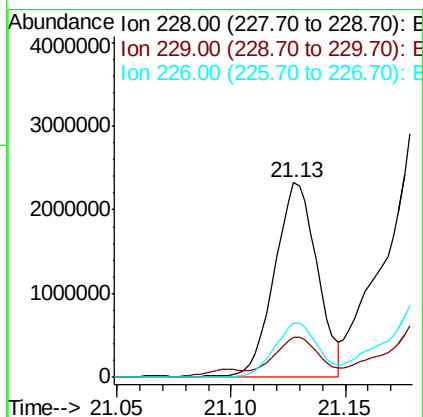
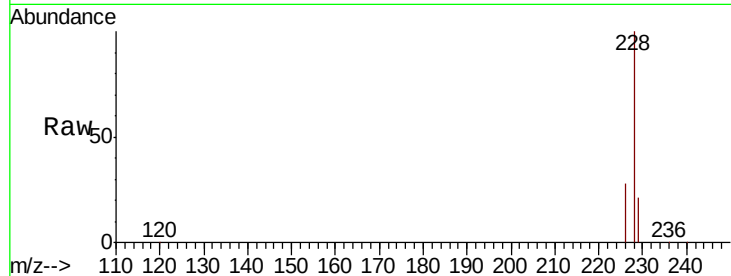
#18
Benzo(a)anthracene
Concen: 20.561 ng/ul
RT: 21.13 min Scan# 5789
Delta R.T. -0.00 min
Lab File: BM025939.D
Acq: 04 Apr 2020 07:24

Instrument :
BNA_M
ClientSampleId :
F3E07RE

Tot Ion:228 Resp: 2985770
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.8
226 28.0 20.9 31.3

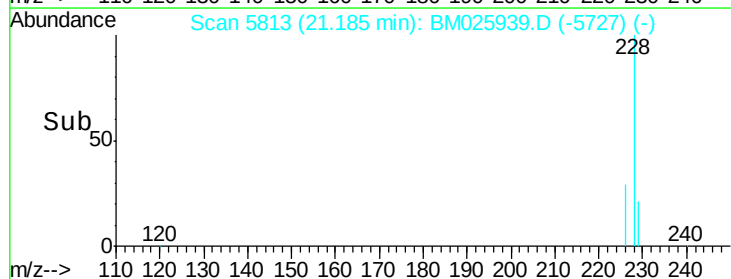
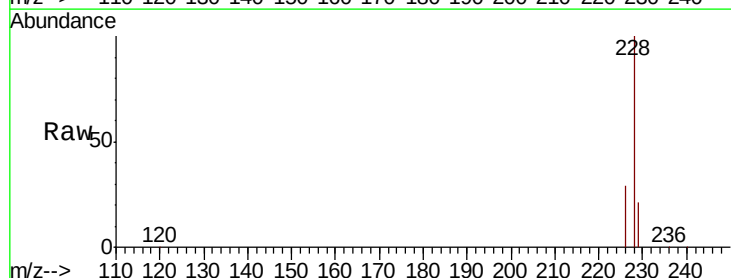
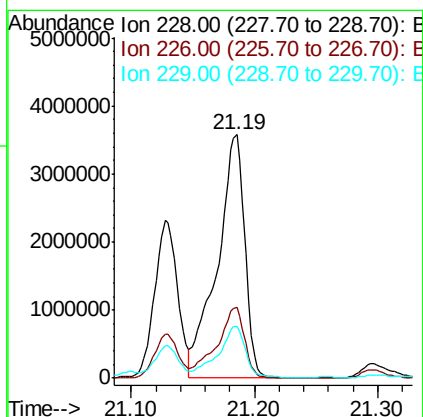
Manual Integrations
APPROVED

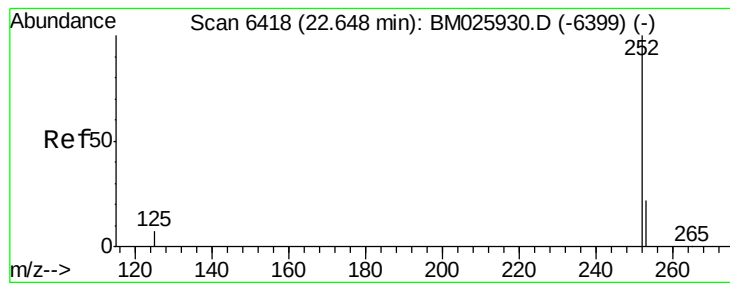
mohammad
4/6/2020 1:41:58 PM



#19
Chrysene
Concen: 34.875 ng/ul
RT: 21.19 min Scan# 5813
Delta R.T. 0.01 min
Lab File: BM025939.D
Acq: 04 Apr 2020 07:24

Tgt Ion:228 Resp: 5527643
Ion Ratio Lower Upper
228 100
226 29.0 22.9 34.3
229 21.2 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 41.012 ng/ul m

RT: 22.67 min Scan# 6425

Delta R.T. 0.01 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Instrument :

BNA_M

ClientSampleId :

F3E07RE

Tot Ion:252 Resp: 6157674

Ion Ratio Lower Upper

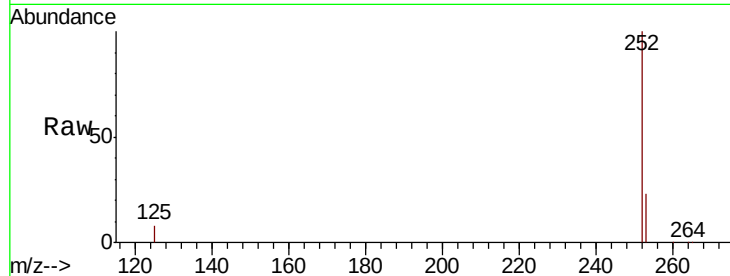
252 100

253 22.8 0.0 46.6

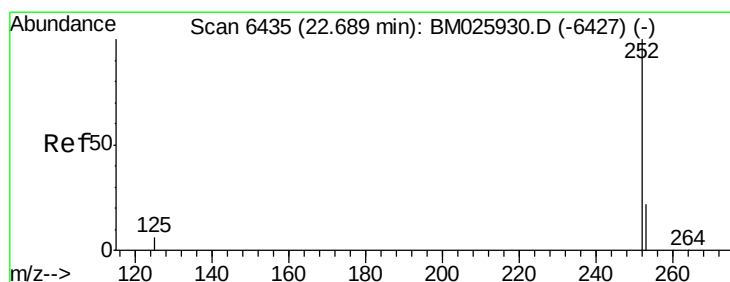
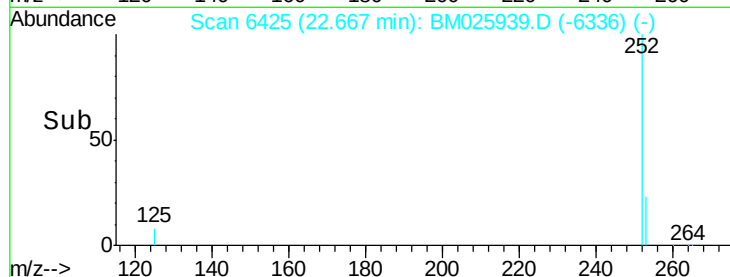
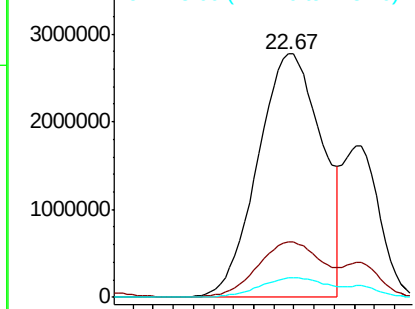
125 7.9 0.0 15.4

Manual Integrations
APPROVED

mohammad
4/6/2020 1:41:58 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 13.578 ng/ul m

RT: 22.70 min Scan# 6439

Delta R.T. 0.00 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

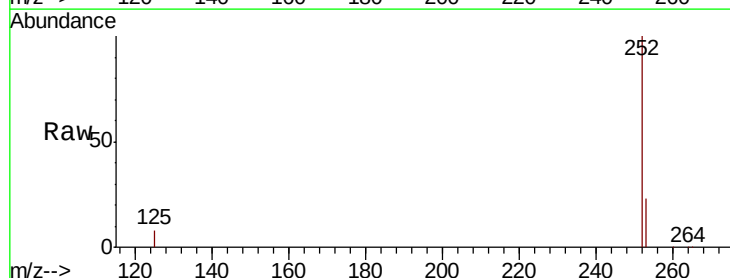
Tgt Ion:252 Resp: 2185945

Ion Ratio Lower Upper

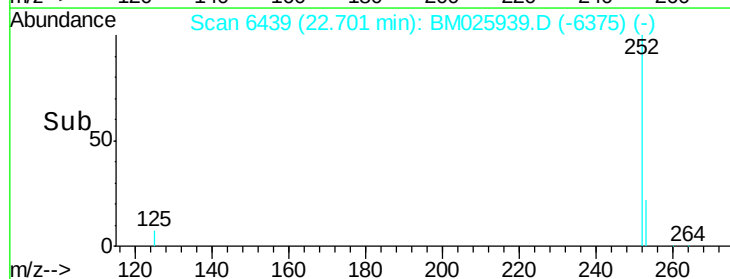
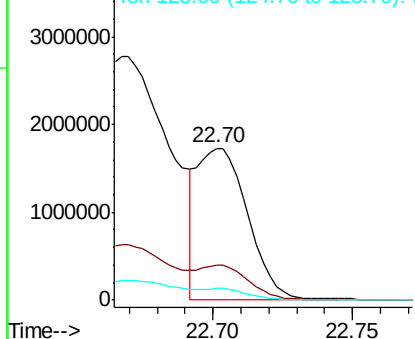
252 100

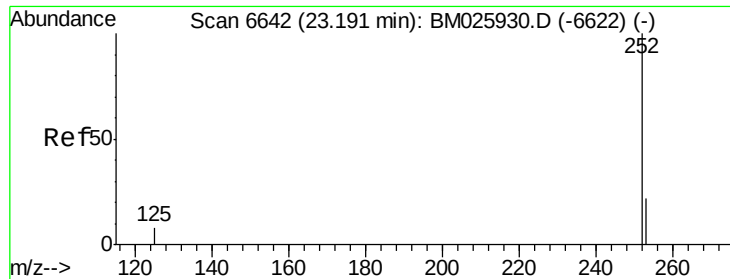
253 22.9 19.0 28.4

125 7.6 6.7 10.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 19.870 ng/ul

RT: 23.21 min Scan# 6648

Delta R.T. 0.01 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Instrument :

BNA_M

ClientSampleId :

F3E07RE

Tot Ion:252 Resp: 2666145

Ion Ratio Lower Upper

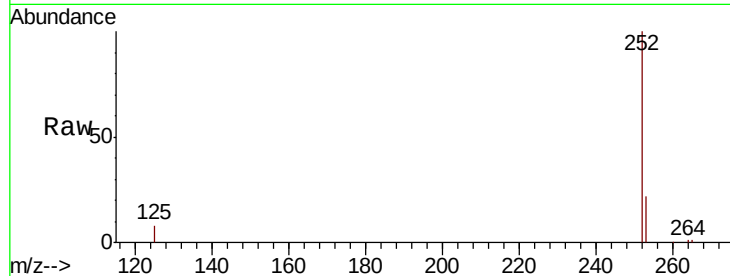
252 100

253 22.3 19.2 28.8

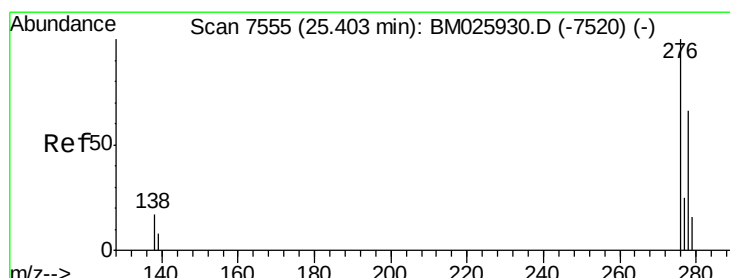
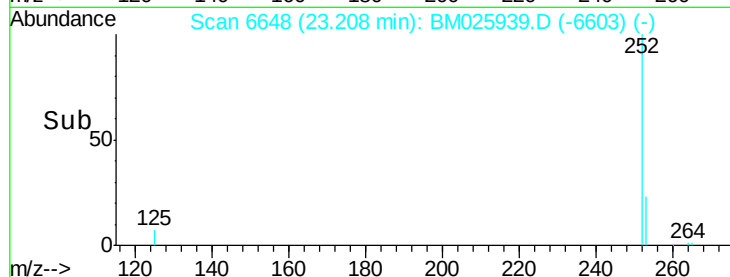
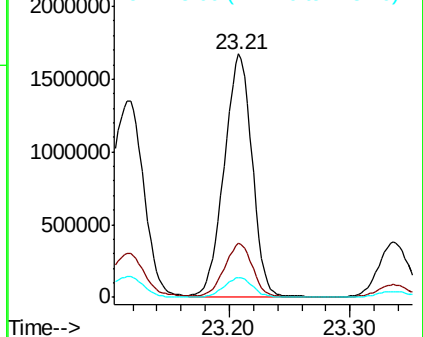
125 8.2 7.4 11.0

Manual Integrations
APPROVED

mohammad
4/6/2020 1:41:58 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 5.787 ng/ul

RT: 25.41 min Scan# 7557

Delta R.T. -0.00 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

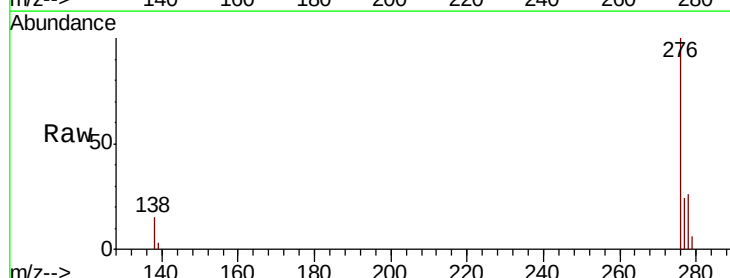
Tgt Ion:276 Resp: 1039931

Ion Ratio Lower Upper

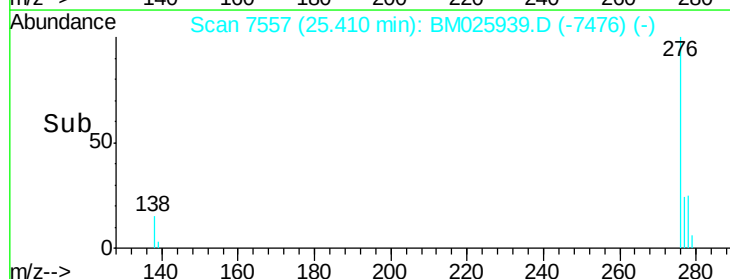
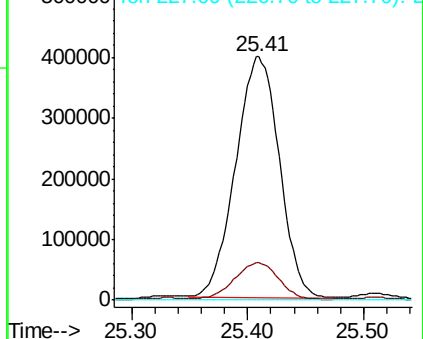
276 100

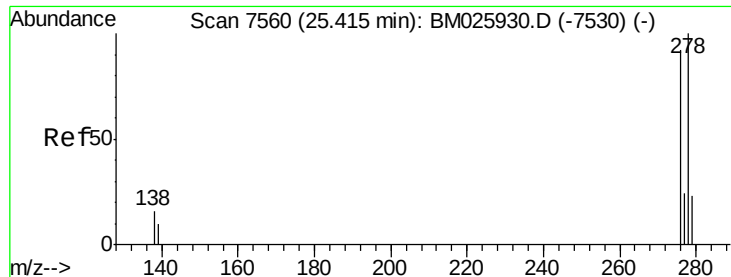
138 15.5 12.6 19.0

227 0.0 0.0 0.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 2.067 ng/ul

RT: 25.41 min Scan# 7557

Delta R.T. -0.01 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Instrument :

BNA_M

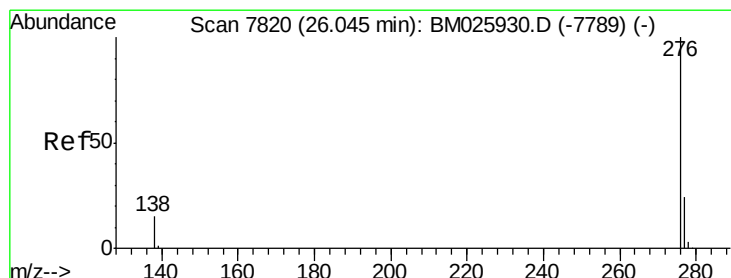
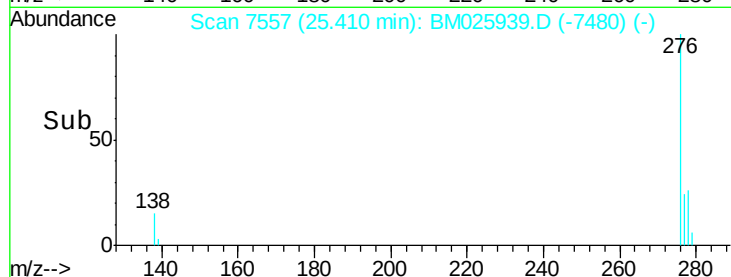
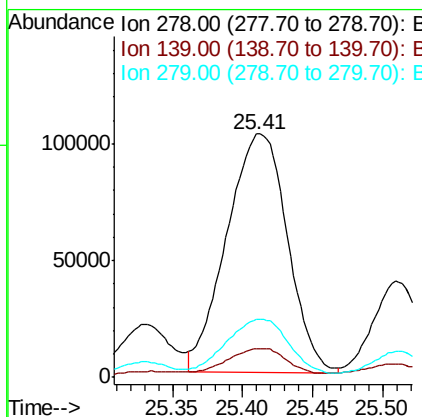
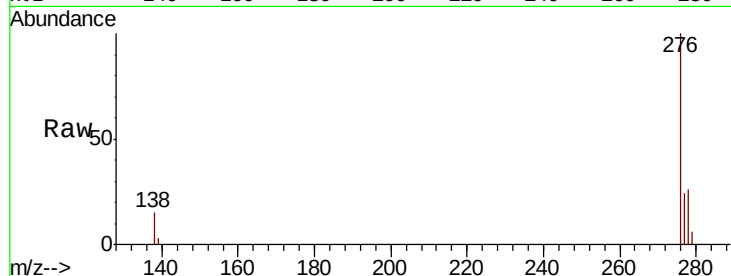
ClientSampleId :

F3E07RE

Tot Ion:	278	Resp:	309994
Ion Ratio	Lower	Upper	
278	100		
139	11.9	8.9	13.3
279	23.8	20.0	30.0

Manual Integrations
APPROVED

mohammad
4/6/2020 1:41:58 PM



#26

Benzo(g,h,i)perylene

Concen: 3.786 ng/ul

RT: 26.05 min Scan# 7821

Delta R.T. -0.00 min

Lab File: BM025939.D

Acq: 04 Apr 2020 07:24

Tgt Ion:	276	Resp:	575591
Ion Ratio	Lower	Upper	
276	100		
138	15.4	11.8	17.8
277	24.0	19.2	28.8

