

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020158.D
 Acq On : 07 May 2019 07:38
 Operator : JU/SJ
 Sample : K2672-10 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-05-COMP

Manual Integrations
 APPROVED

mohammad
 5/7/2019 3:12:21 PM

Quant Time: May 07 08:38:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	140000	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	533102	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	305521	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	706195	20.00	ng	0.00
76) Chrysene-d12	21.37	240	687361	20.00	ng	0.00
87) Perylene-d12	23.67	264	814076	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	166811	19.48	ng	0.00
7) Phenol-d6	6.96	99	237586	20.31	ng	0.00
23) Nitrobenzene-d5	8.96	82	147173	10.90	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	87408	18.43	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	274466	11.05	ng	0.00
79) Terphenyl-d14	19.81	244	383761	9.74	ng	0.00
Target Compounds						
71) Phenanthrene	17.23	178	283937	7.284	ng	99
72) Anthracene	17.32	178	96801	2.484	ng	99
75) Fluoranthene	19.24	202	711290	14.421	ng	99
78) Pyrene	19.61	202	719287	15.586	ng	99
81) Benzo(a)anthracene	21.36	228	421237	8.739	ng	95
83) Chrysene	21.41	228	365421	7.816	ng	96
86) Indeno(1,2,3-cd)pyrene	26.00	276	235713	4.239	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	477364m	8.880	ng	
89) Benzo(k)fluoranthene	23.01	252	159544m	3.254	ng	
90) Benzo(a)pyrene	23.57	252	365991	7.495	ng	# 92
92) Benzo(g,h,i)perylene	26.73	276	233256	4.838	ng	# 91

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

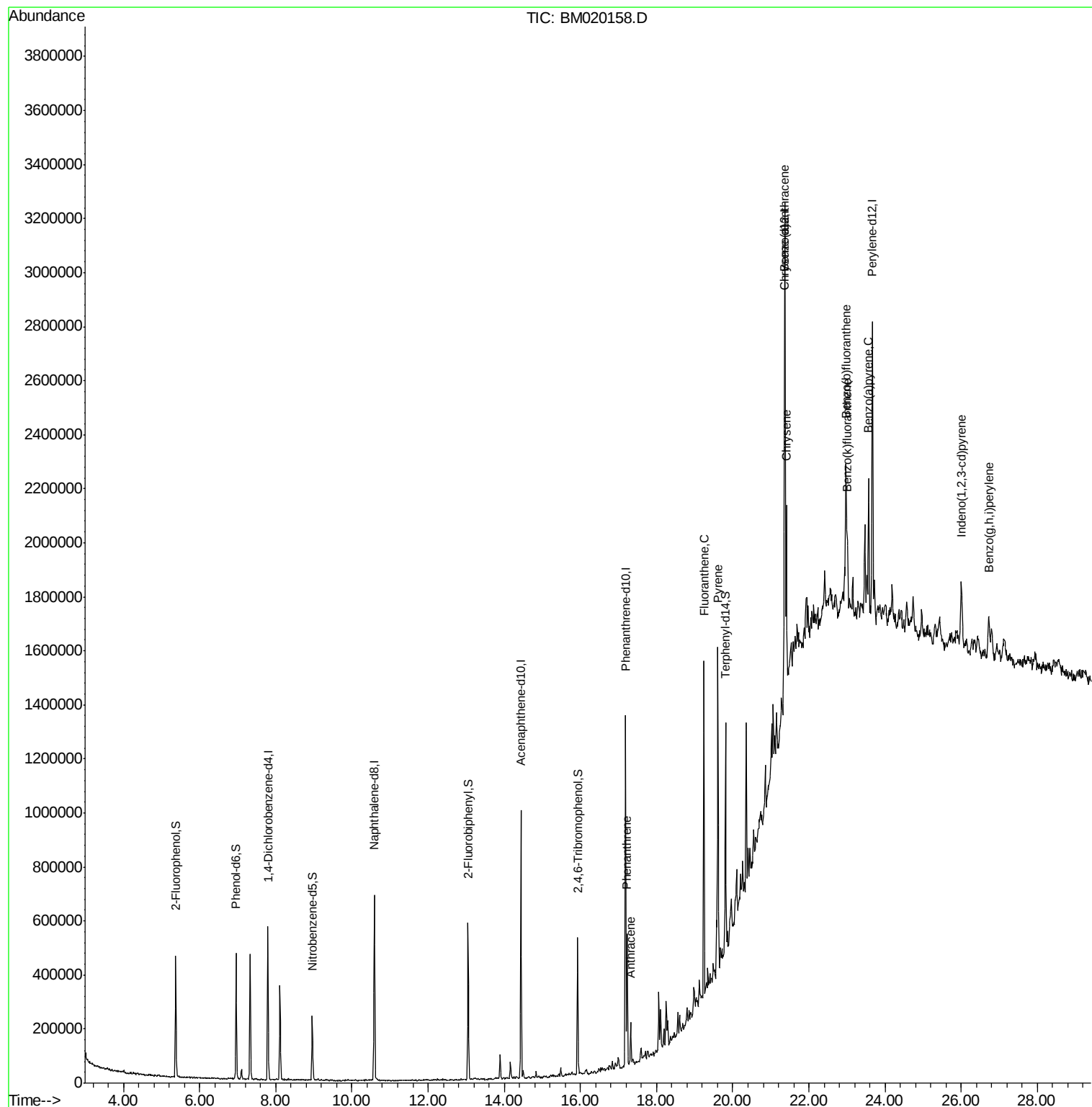
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020158.D
Acq On : 07 May 2019 07:38
Operator : JU/SJ
Sample : K2672-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

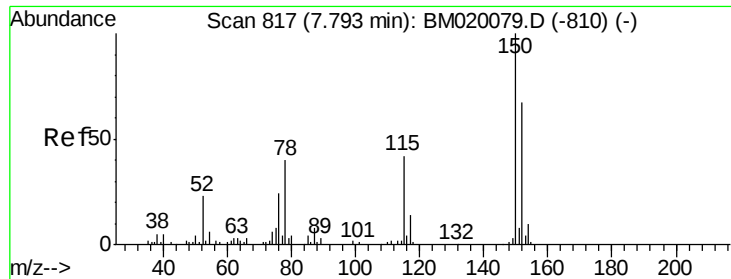
Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM

Quant Time: May 07 08:38:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration





#1

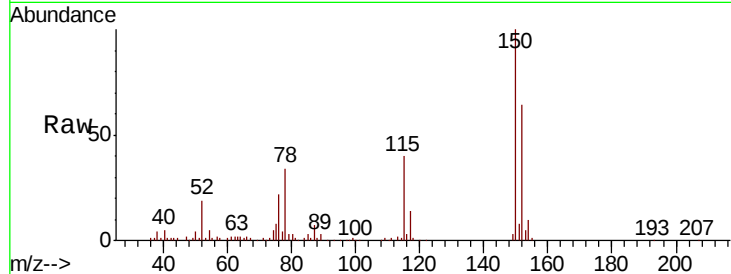
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	119.8	179.8
115	63.0	50.8	76.2

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM

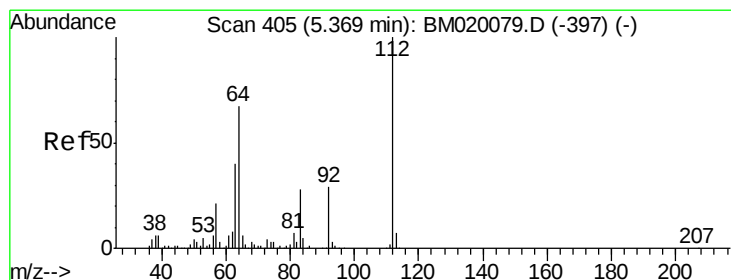
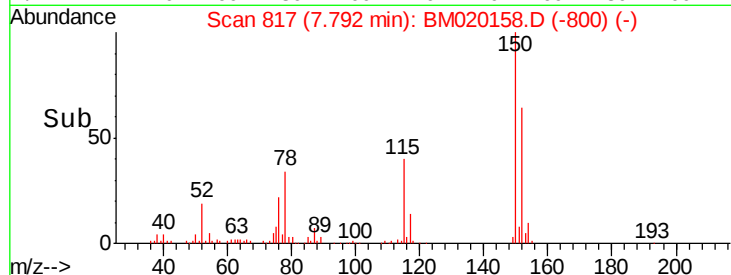
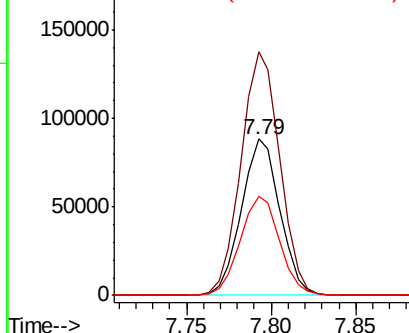


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

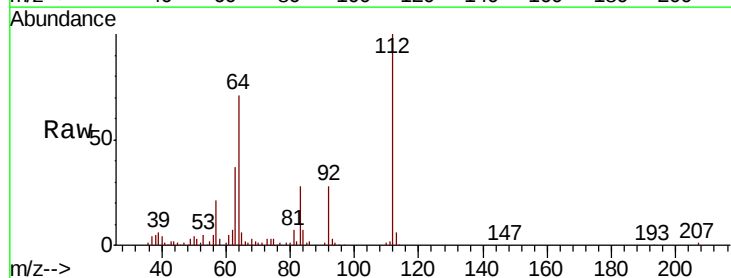
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.476 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	53.8	80.6
63	37.1	32.3	48.5

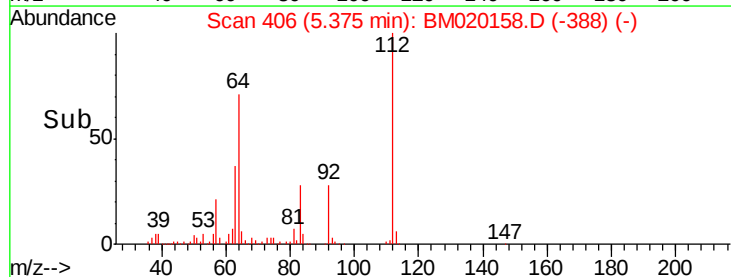
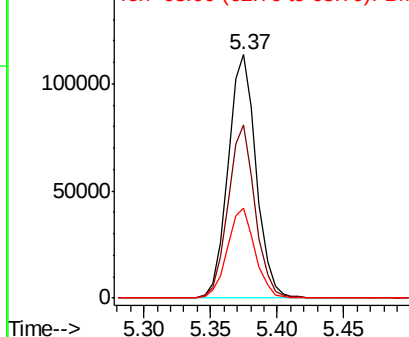


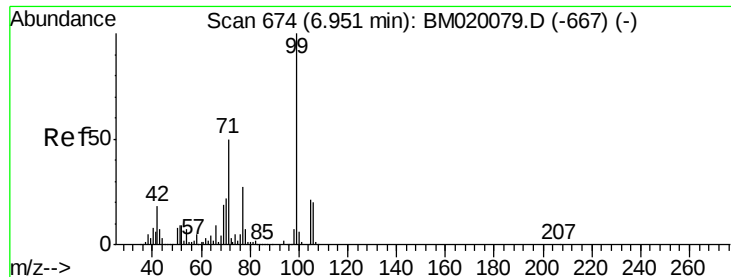
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 20.305 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

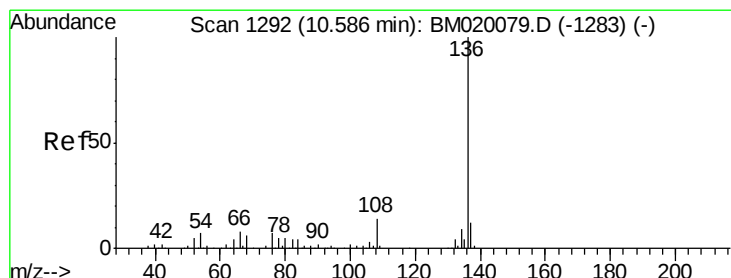
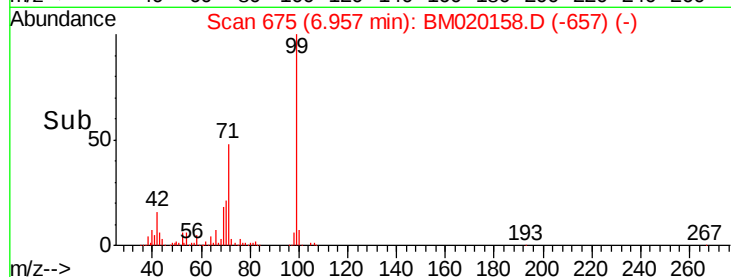
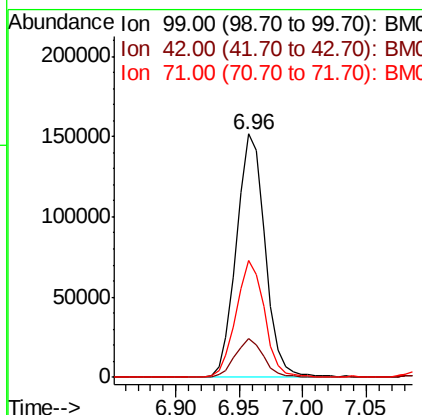
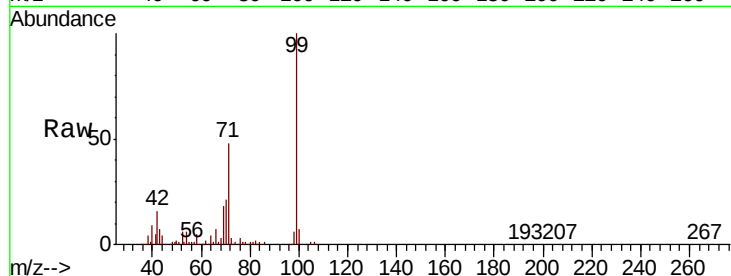
ClientSampleId :

SB-05-COMP

Tot Ion:	99	Resp:	237586
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.2	21.2
71	48.2	40.3	60.5

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM



#21

Naphthalene-d8

Concen: 20.000 ng

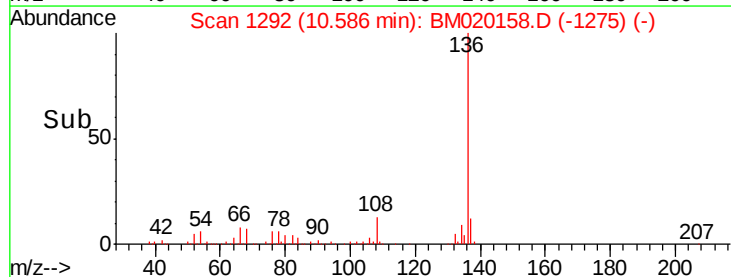
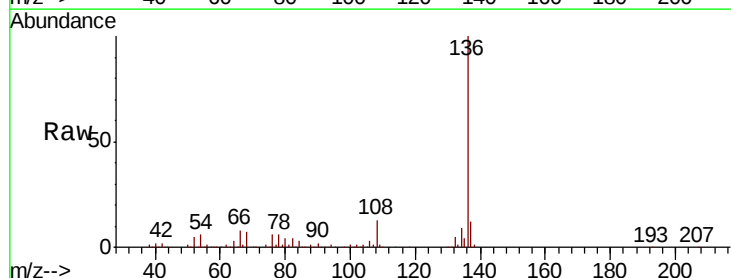
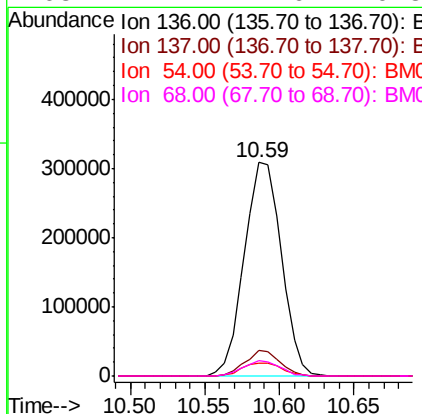
RT: 10.59 min Scan# 1292

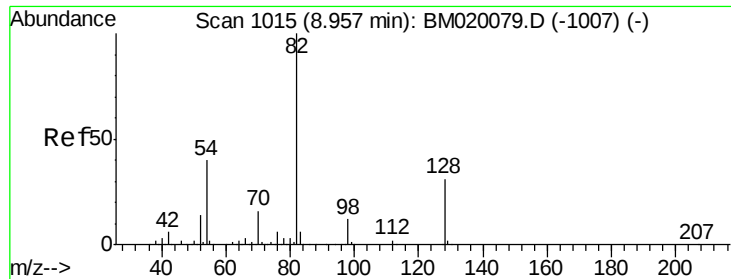
Delta R.T. -0.00 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Tgt Ion:	136	Resp:	533102
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.6	14.4
54	6.1	5.5	8.3
68	7.1	4.6	6.8#





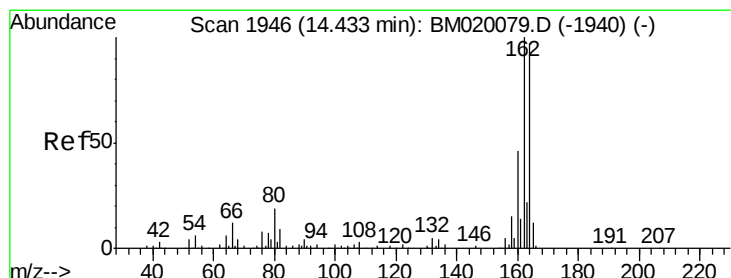
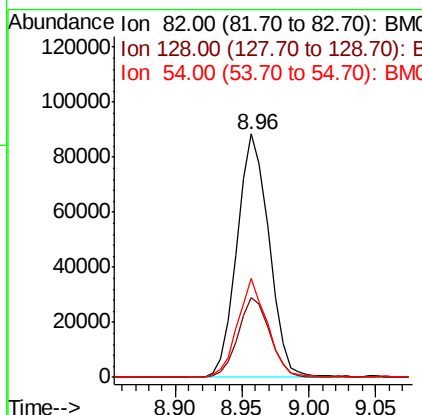
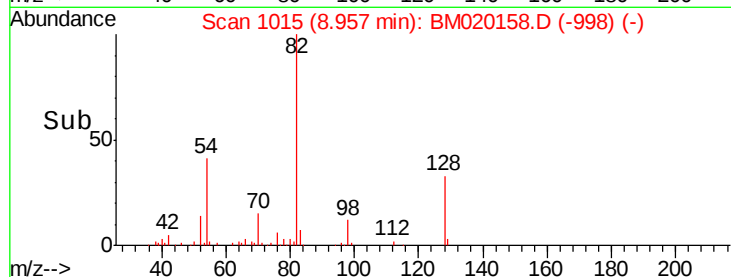
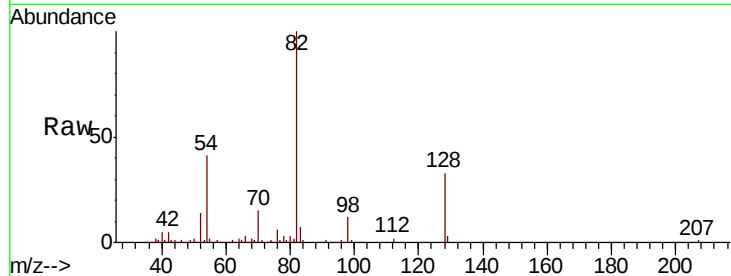
#23
Nitrobenzene-d5
Concen: 10.899 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.8	25.2	37.8
54	40.6	31.9	47.9

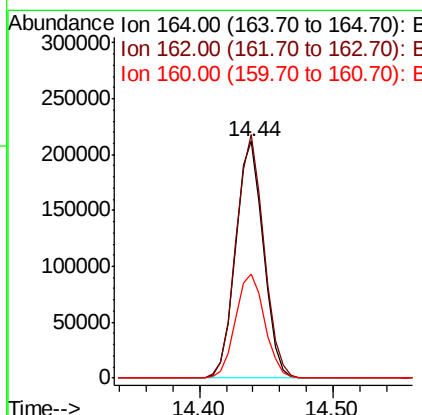
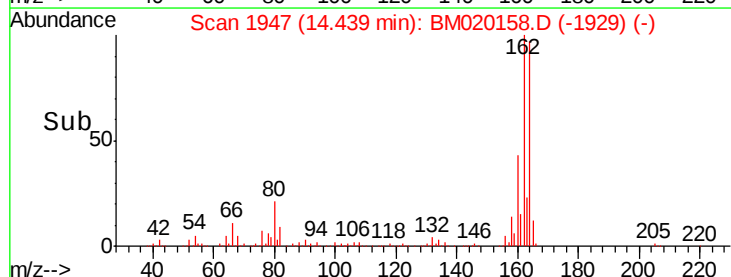
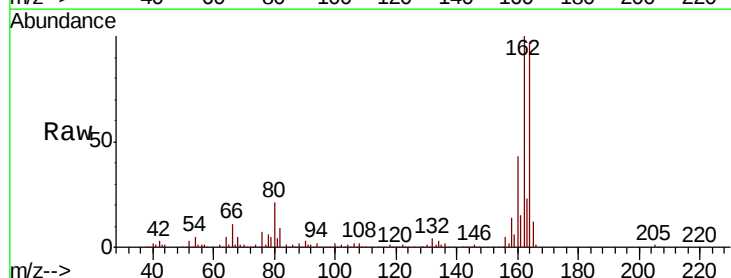
Manual Integrations
APPROVED

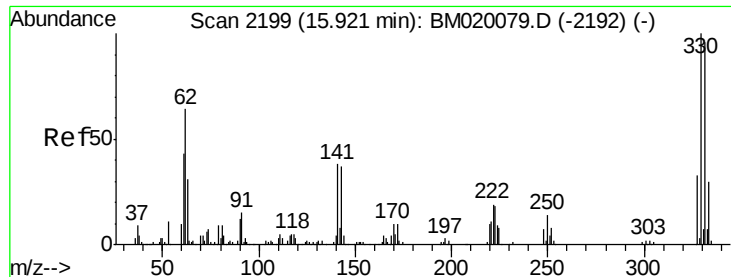
mohammad
5/7/2019 3:12:21 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	44.2	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 18.432 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

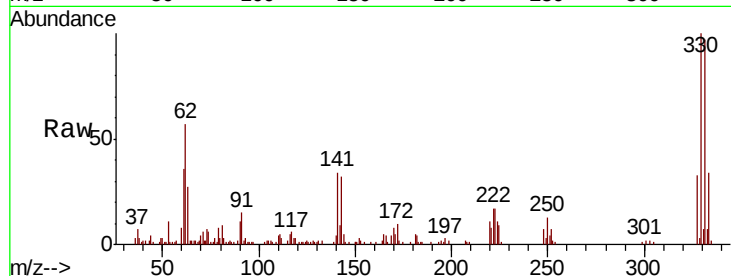
ClientSampleId :

SB-05-COMP

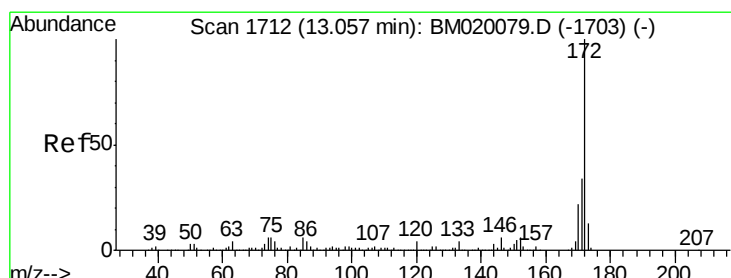
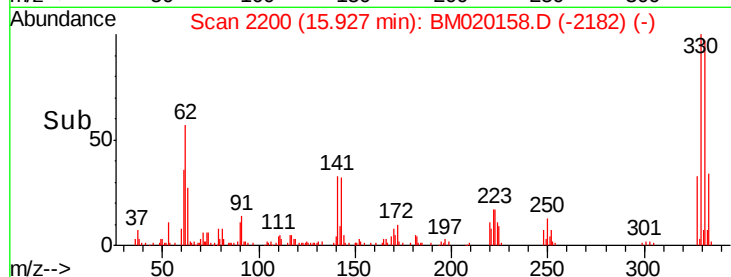
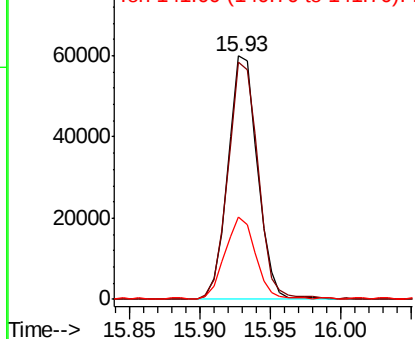
Tot Ion:	330	Resp:	87408
Ion Ratio	Lower	Upper	
330	100		
332	99.1	76.8	115.2
141	35.3	29.2	43.8

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 11.053 ng

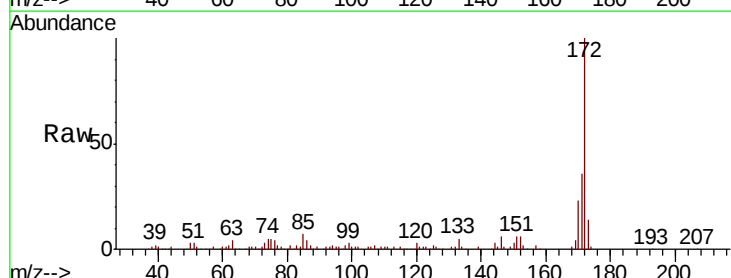
RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

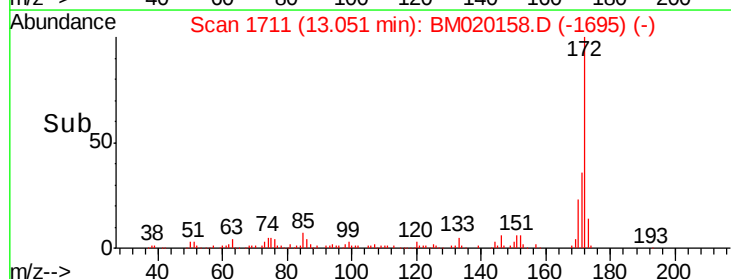
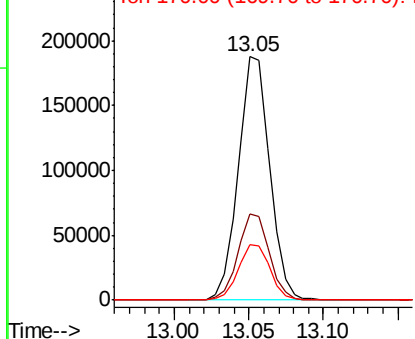
Lab File: BM020158.D

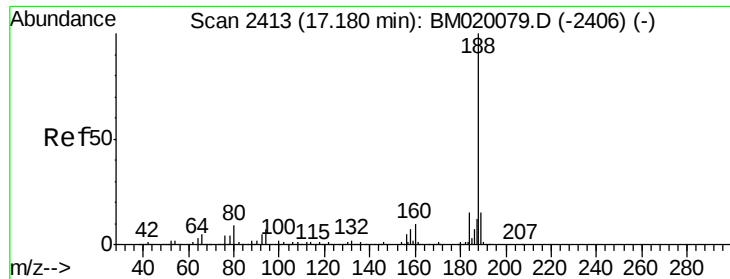
Acq: 07 May 2019 07:38

Tgt Ion:	172	Resp:	274466
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.3	40.9
170	22.8	17.9	26.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





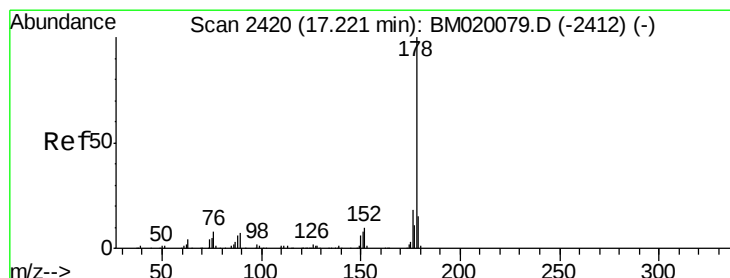
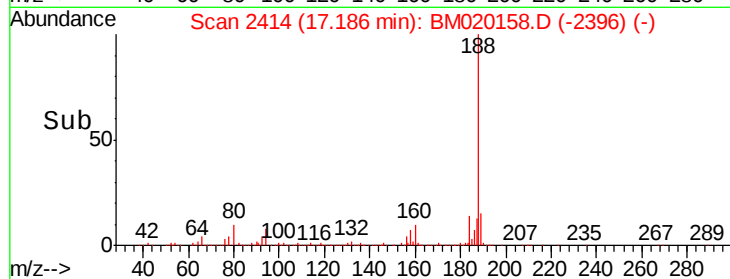
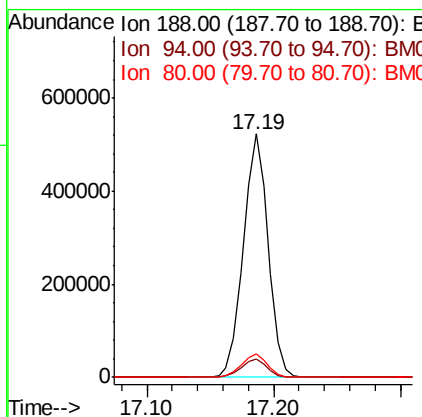
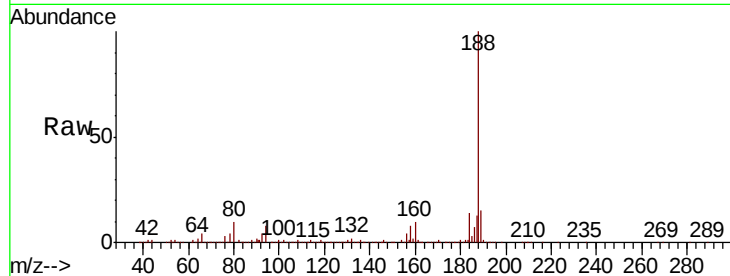
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	706195		
94	7.5		5.8	8.6
80	9.7		7.4	11.2

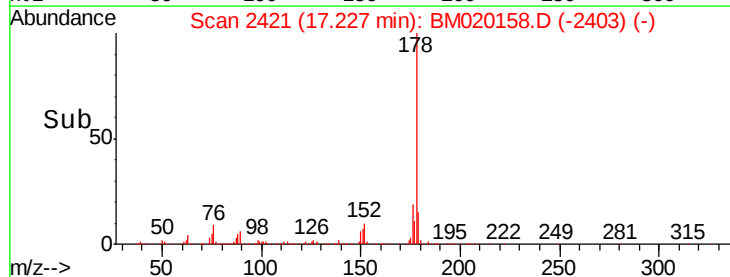
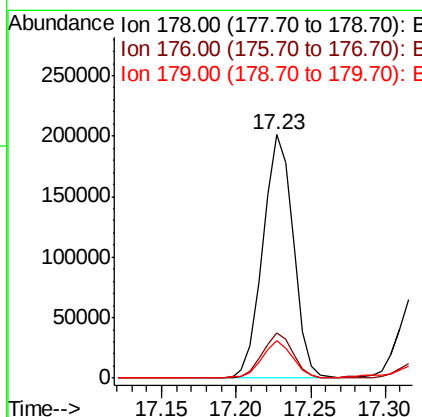
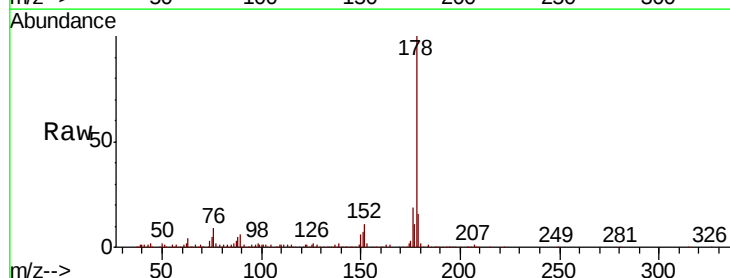
Manual Integrations
APPROVED

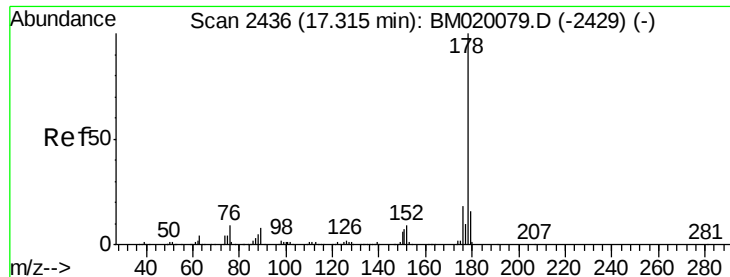
mohammad
5/7/2019 3:12:21 PM



#71
Phenanthrene
Concen: 7.284 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	283937		
176	18.7		14.6	21.8
179	15.6		12.4	18.6





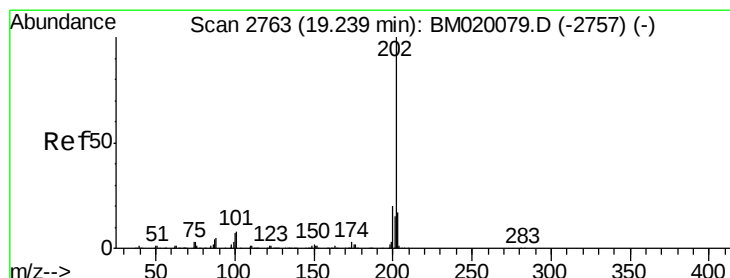
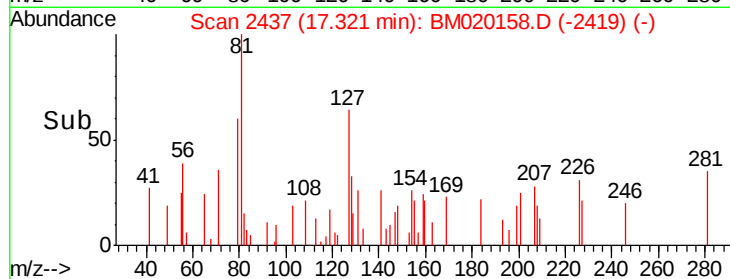
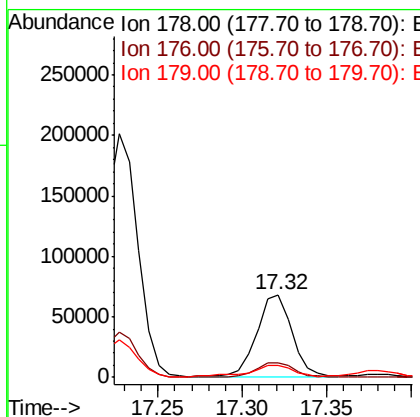
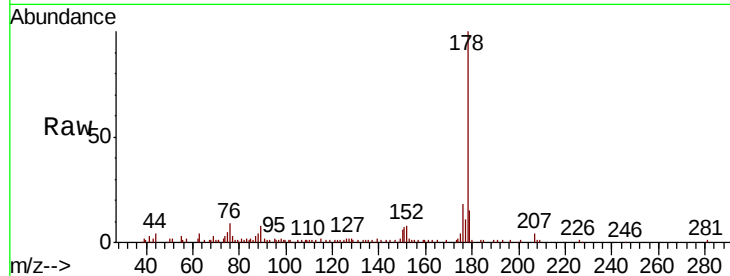
#72
 Anthracene
 Concen: 2.484 ng
 RT: 17.32 min Scan# 2437
 Delta R.T. 0.01 min
 Lab File: BM020158.D
 Acq: 07 May 2019 07:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-05-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	14.8	12.4	18.6

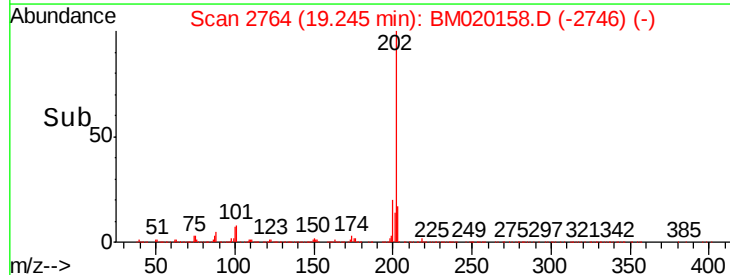
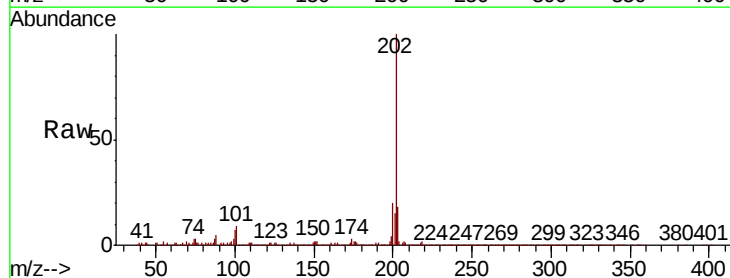
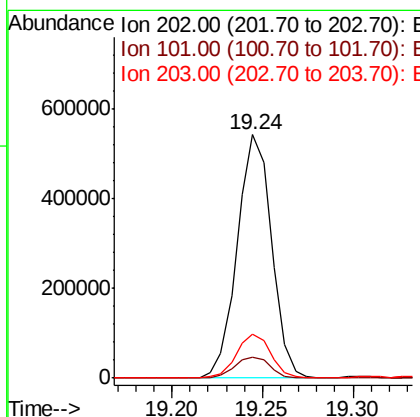
Manual Integrations
 APPROVED

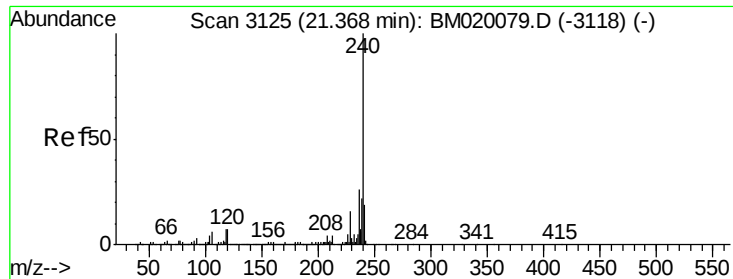
mohammad
 5/7/2019 3:12:21 PM



#75
 Fluoranthene
 Concen: 14.421 ng
 RT: 19.24 min Scan# 2764
 Delta R.T. 0.01 min
 Lab File: BM020158.D
 Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	18.1	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.37 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

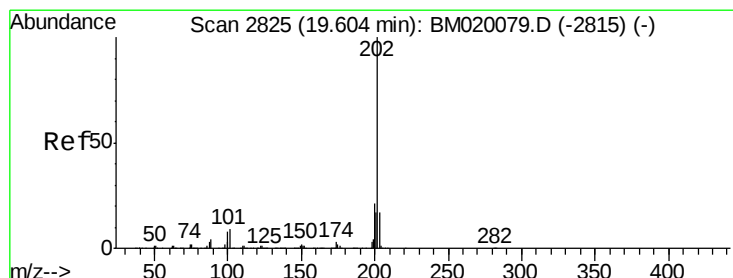
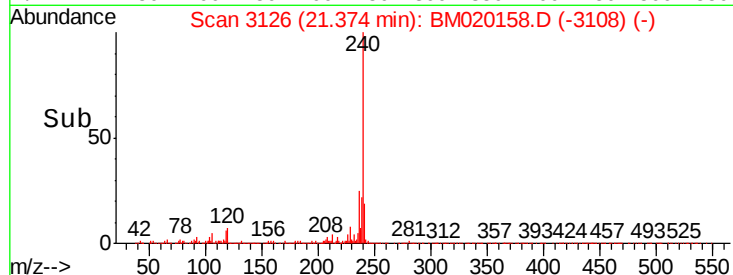
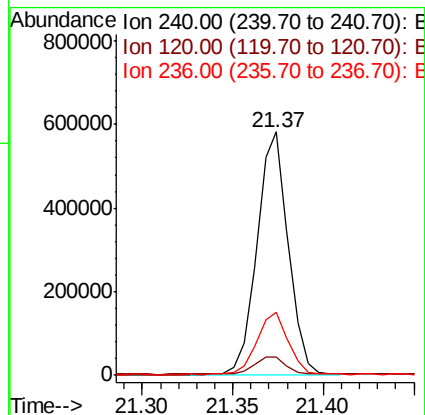
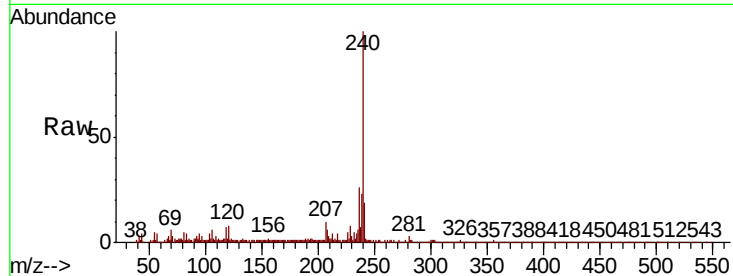
ClientSampleId :

SB-05-COMP

Tot Ion:	240	Resp:	687361
Ion Ratio	Lower	Upper	
240	100		
120	7.6	5.6	8.4
236	25.8	20.9	31.3

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM



#78

Pyrene

Concen: 15.586 ng

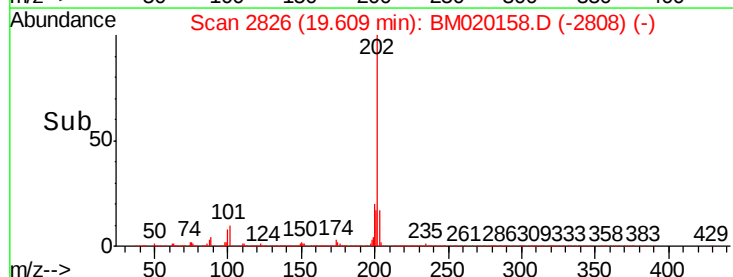
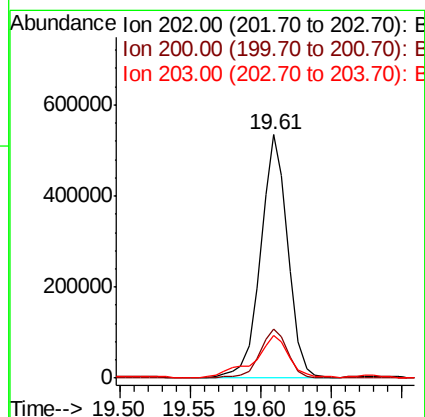
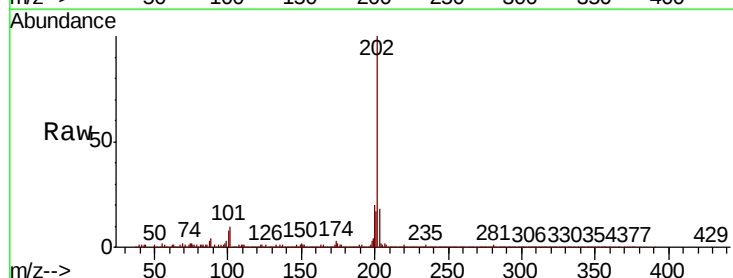
RT: 19.61 min Scan# 2826

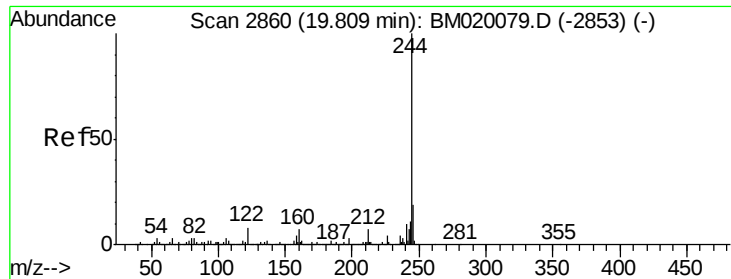
Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Tgt Ion:	202	Resp:	719287
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.5	24.7
203	17.5	13.9	20.9





#79

Terphenyl-d14

Concen: 9.738 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

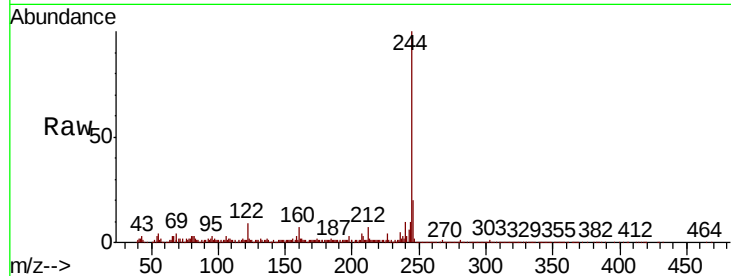
ClientSampleId :

SB-05-COMP

Tot Ion:	244	Resp:	383761
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.7	8.5
122	9.0	6.2	9.2

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM

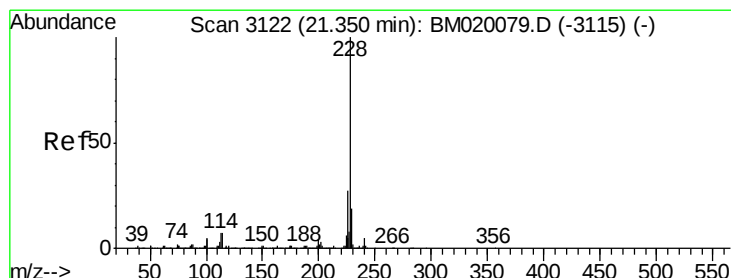
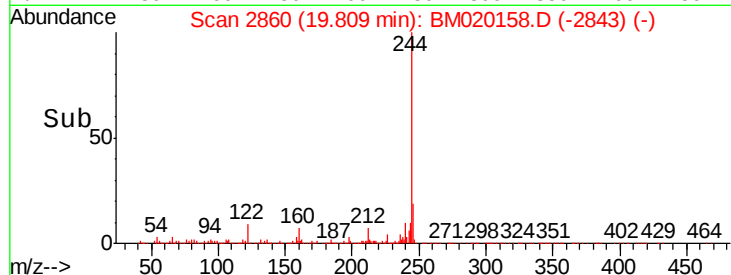
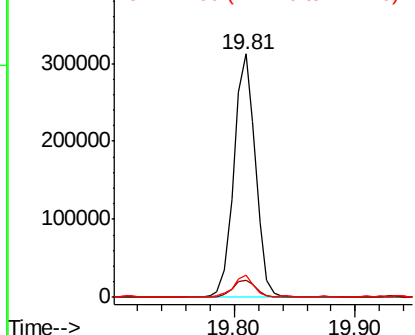


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 8.739 ng

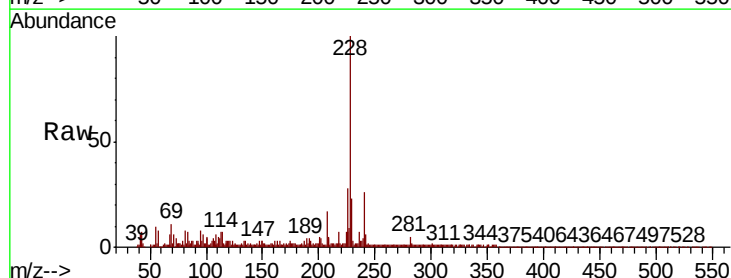
RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Tgt Ion:	228	Resp:	421237
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.3	31.9
229	22.7	15.5	23.3

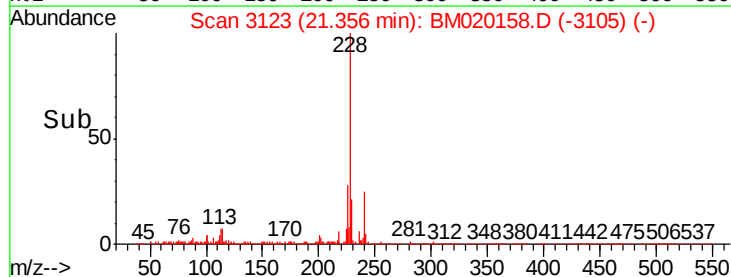
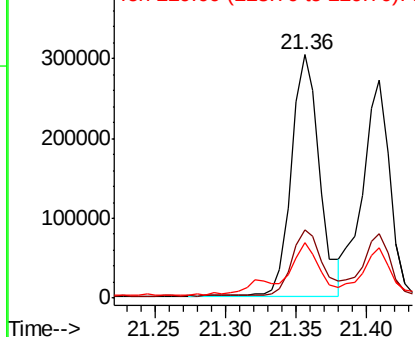


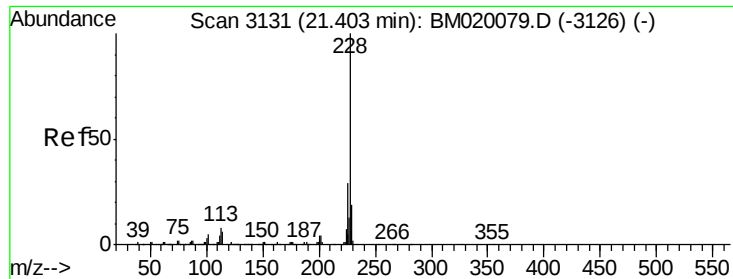
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





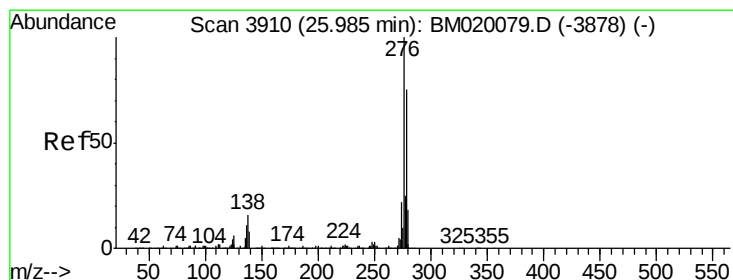
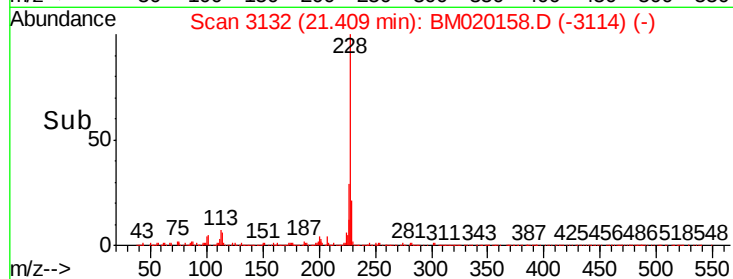
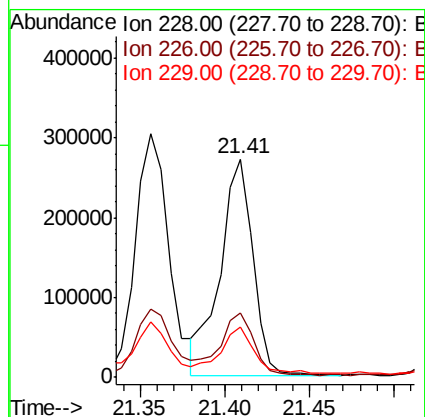
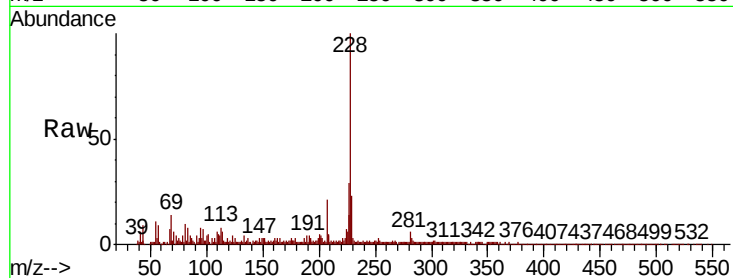
#83
Chrysene
Concen: 7.816 ng
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

Tot Ion:	228	Resp:	365421
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.0	34.6
229	23.1	15.5	23.3

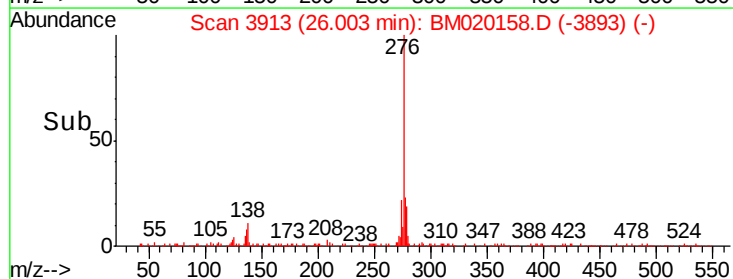
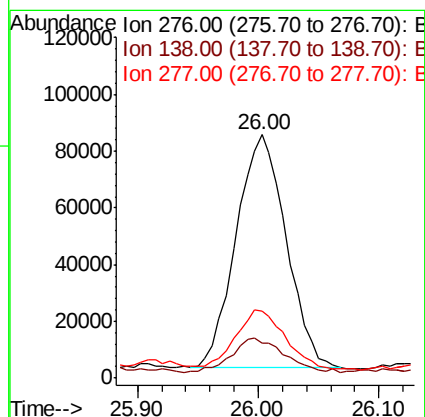
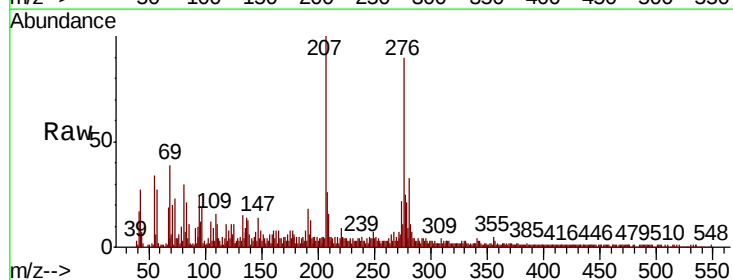
Manual Integrations
APPROVED

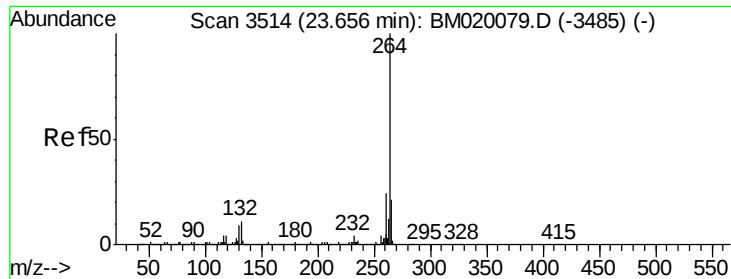
mohammad
5/7/2019 3:12:21 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.239 ng
RT: 26.00 min Scan# 3913
Delta R.T. 0.02 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion:	276	Resp:	235713
Ion Ratio	Lower	Upper	
276	100		
138	14.6	0.0	0.0#
277	25.0	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.67 min Scan# 3516

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

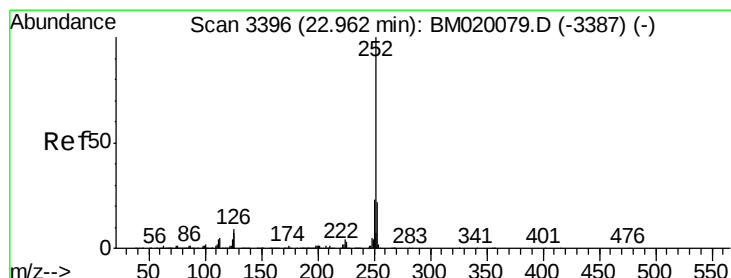
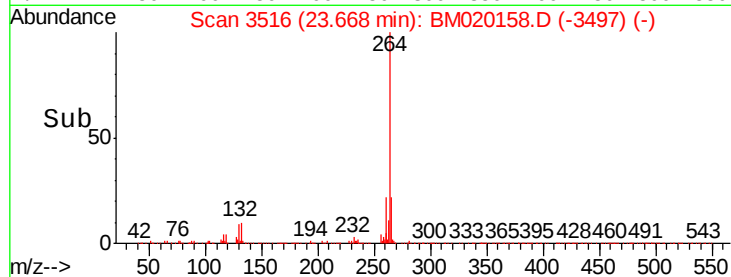
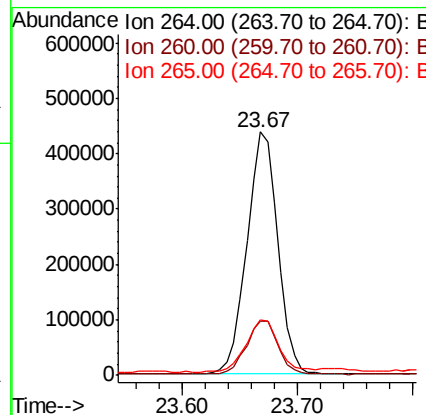
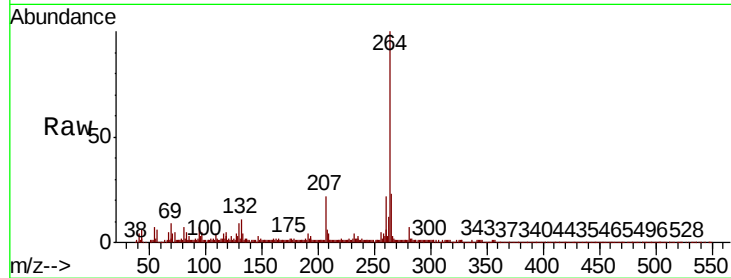
ClientSampleId :

SB-05-COMP

Tot Ion:	264	Resp:	814076
Ion Ratio	Lower	Upper	
264	100		
260	22.3	19.2	28.8
265	22.8	16.9	25.3

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM



#88

Benzo(b)fluoranthene

Concen: 8.880 ng m

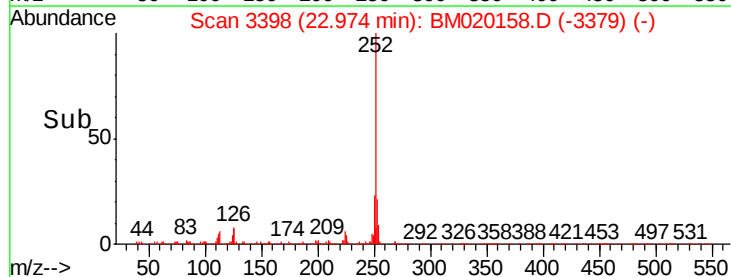
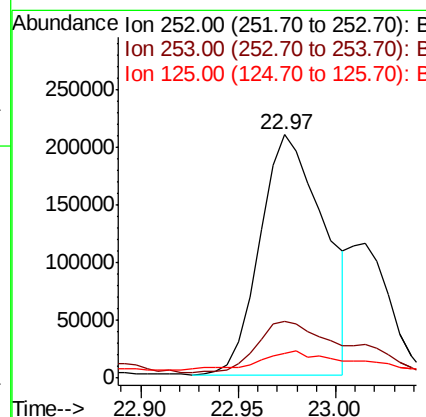
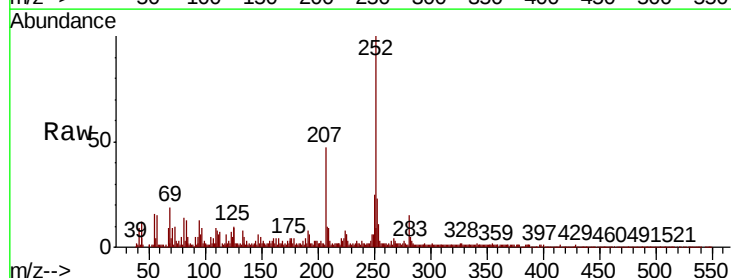
RT: 22.97 min Scan# 3398

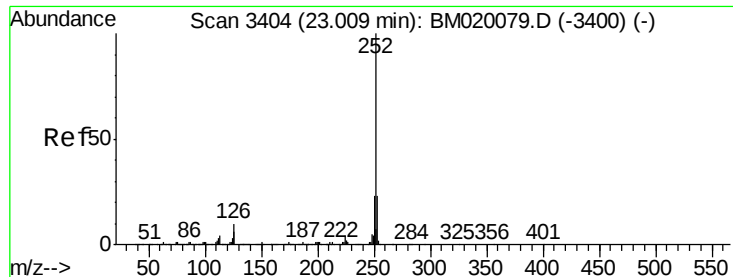
Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Tgt Ion:	252	Resp:	477364
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	10.2	5.4	8.2#





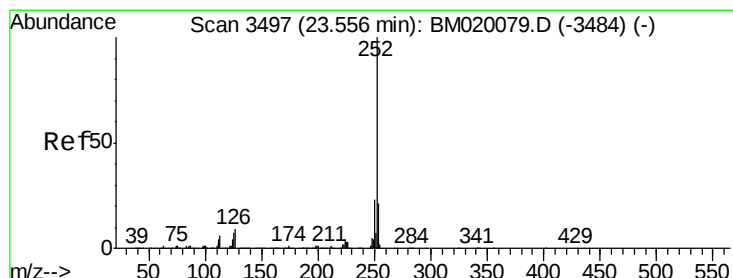
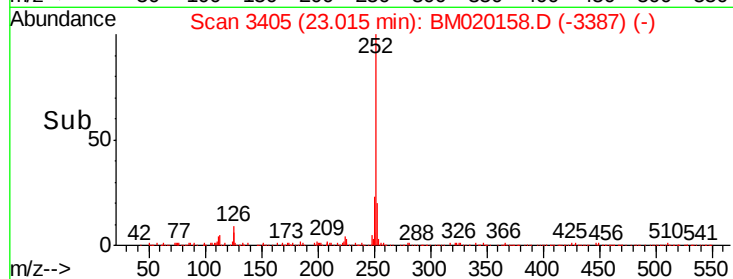
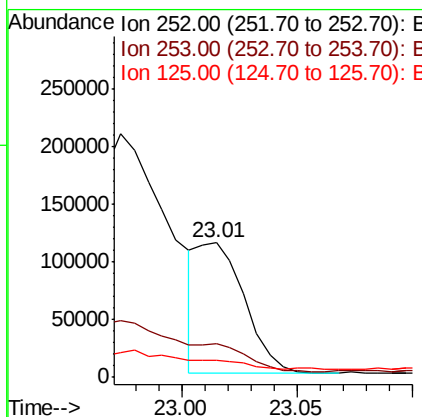
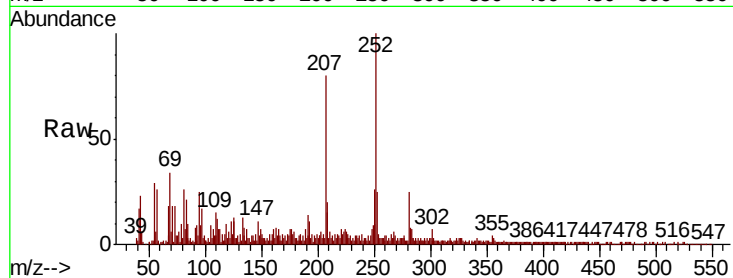
#89
Benzo(k)fluoranthene
Concen: 3.254 ng m
RT: 23.01 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	12.7	5.4	8.0

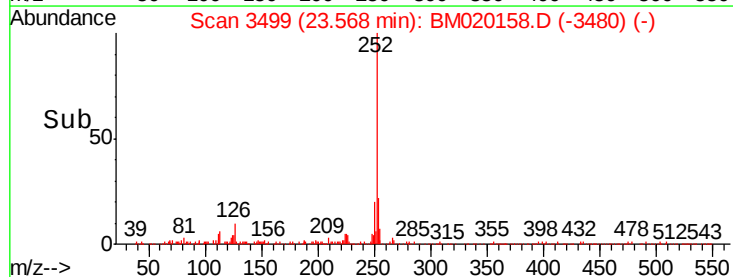
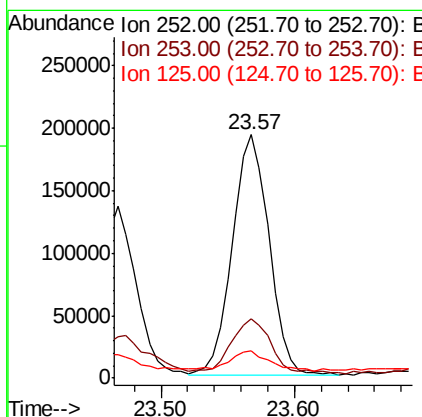
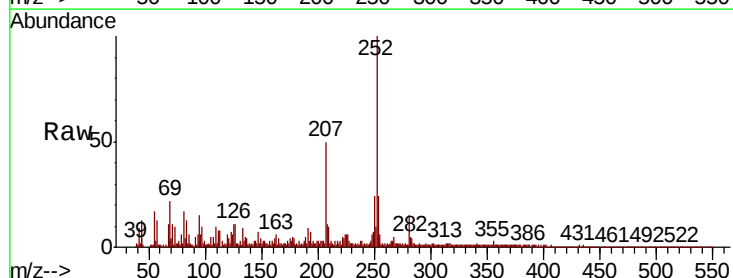
Manual Integrations
APPROVED

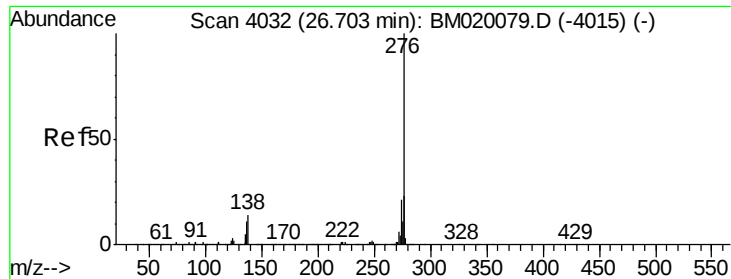
mohammad
5/7/2019 3:12:21 PM



#90
Benzo(a)pyrene
Concen: 7.495 ng
RT: 23.57 min Scan# 3499
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	11.1	5.5	8.3





#92

Benzo(a,h,i)perylene

Concen: 4.838 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

ClientSampleId :

SB-05-COMP

Tot Ion:	276	Resp:	233256
Ion Ratio	Lower	Upper	
276	100		
277	28.3	18.4	27.6#
138	15.8	11.1	16.7

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:21 PM

