

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
 Data File : BM020336.D
 Acq On : 14 May 2019 17:17
 Operator : JU/SJ
 Sample : K2807-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

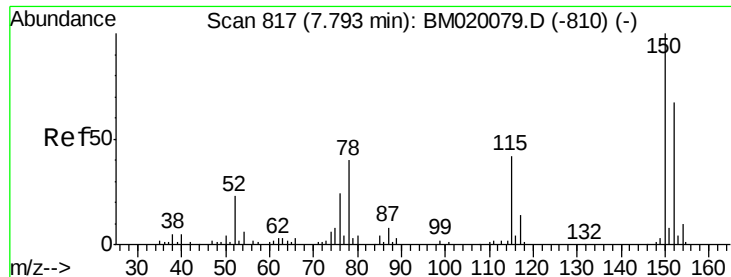
Manual Integrations
 APPROVED

mohammad
 5/15/2019 8:19:25 AM

Quant Time: May 15 04:03:30 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	7.76	152	56638	20.00	ng	-0.04
21) Naphthalene-d8	10.55	136	185018	20.00	ng	-0.04
39) Acenaphthene-d10	14.40	164	114619	20.00	ng	-0.03
64) Phenanthrene-d10	17.16	188	273437	20.00	ng	-0.02
76) Chrysene-d12	21.35	240	312070	20.00	ng	-0.02
87) Perylene-d12	23.63	264	375745	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	363689	104.96	ng	-0.02
7) Phenol-d6	6.93	99	461818	97.56	ng	-0.02
23) Nitrobenzene-d5	8.92	82	306783	65.46	ng	-0.04
42) 2,4,6-Tribromophenol	15.90	330	188411	105.90	ng	-0.02
45) 2-Fluorobiphenyl	13.02	172	576942	61.93	ng	-0.04
79) Terphenyl-d14	19.79	244	1005072	56.18	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.86	163	69494	7.134	ng	99
58) Fluorene	15.46	166	19595	2.046	ng	# 93
71) Phenanthrene	17.20	178	195604	12.959	ng	99
72) Anthracene	17.29	178	57383	3.802	ng	98
75) Fluoranthene	19.22	202	403237	21.114	ng	99
78) Pyrene	19.58	202	367574	17.544	ng	98
80) Butylbenzylphthalate	20.48	149	16255	2.133	ng	94
81) Benzo(a)anthracene	21.33	228	190879	8.722	ng	96
83) Chrysene	21.39	228	157291	7.411	ng	98
86) Indeno(1,2,3-cd)pyrene	25.96	276	112169	4.443	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	240456m	9.691	ng	
89) Benzo(k)fluoranthene	22.98	252	76534m	3.381	ng	
90) Benzo(a)pyrene	23.53	252	168955	7.497	ng	# 90
92) Benzo(g,h,i)perylene	26.67	276	118344	5.318	ng	# 93

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



#1

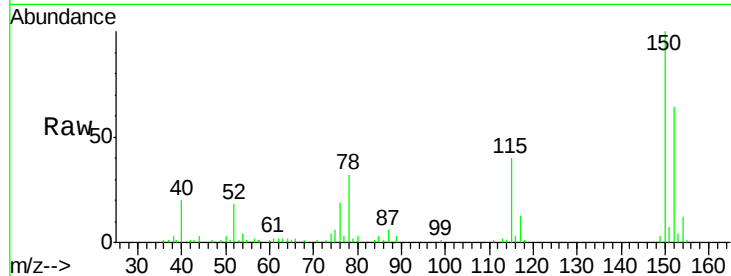
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 811
Delta R.T. -0.04 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampled :
FK-GF-02-039-B

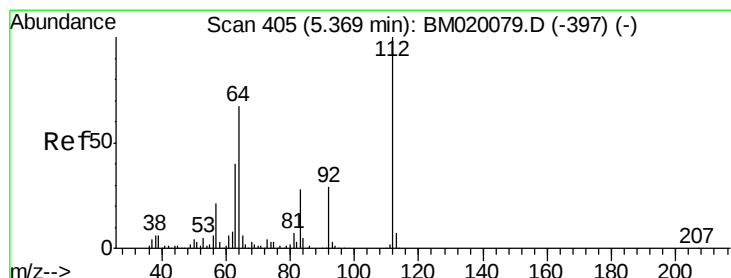
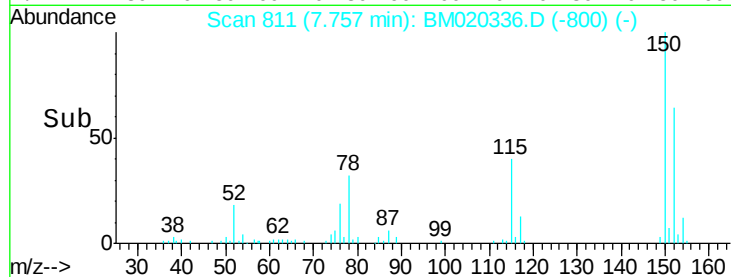
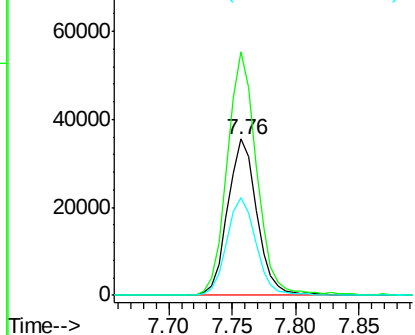
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	56638		
150	156.1	119.8	179.8	
115	62.9	50.8	76.2	

Manual Integrations
APPROVED

mohammad
5/15/2019 8:19:25 AM



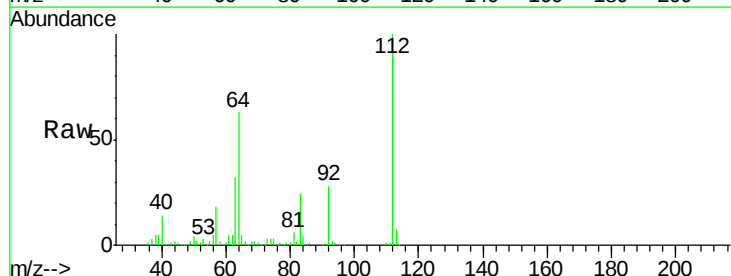
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



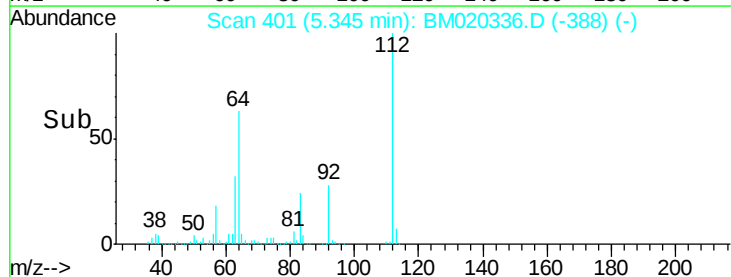
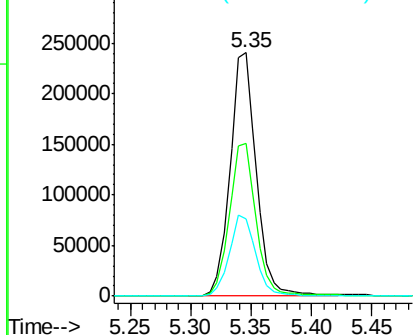
#5

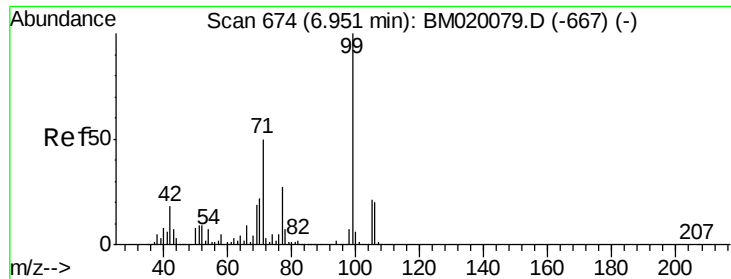
2-Fluorophenol
Concen: 104.962 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	363689		
64	62.6	53.8	80.6	
63	32.0	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: 97.561 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Instrument :

BNA_M

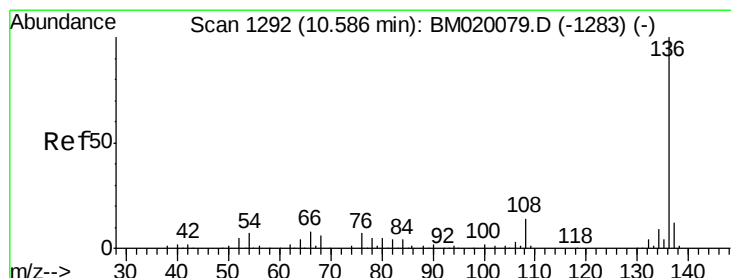
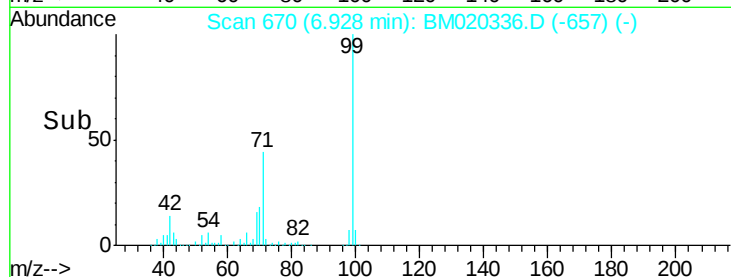
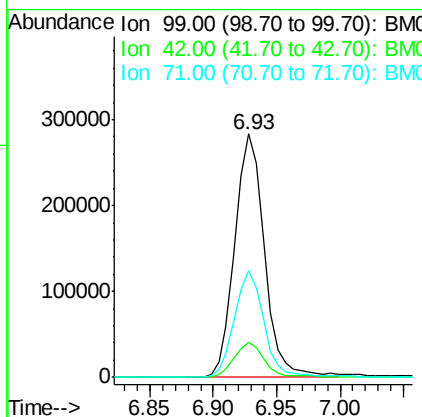
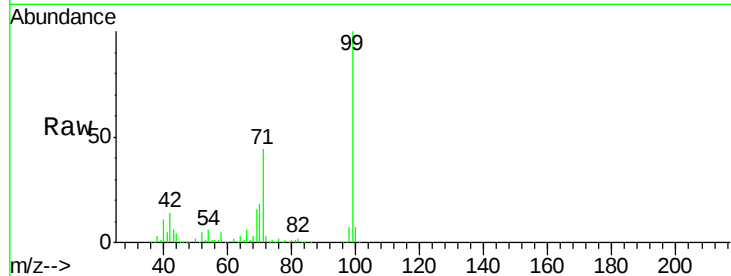
ClientSampleId :

FK-GF-02-039-B

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	461818		
42	14.4	14.2	21.2	
71	43.8	40.3	60.5	

Manual Integrations
APPROVED

mohammad
5/15/2019 8:19:25 AM



#21

Naphthalene-d8

Concen: 20.000 ng

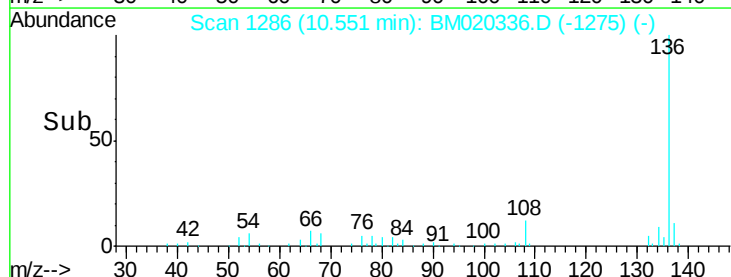
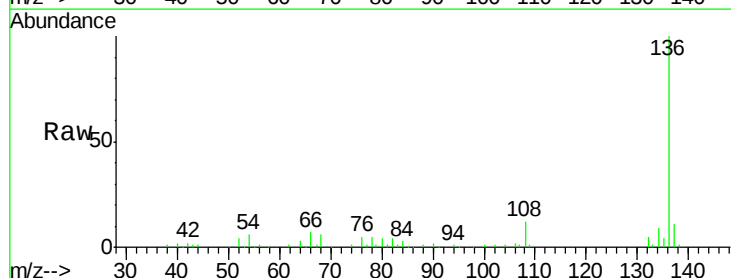
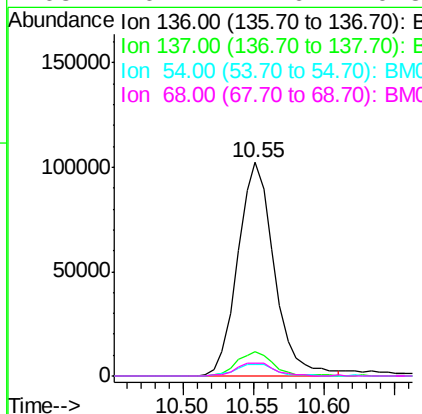
RT: 10.55 min Scan# 1286

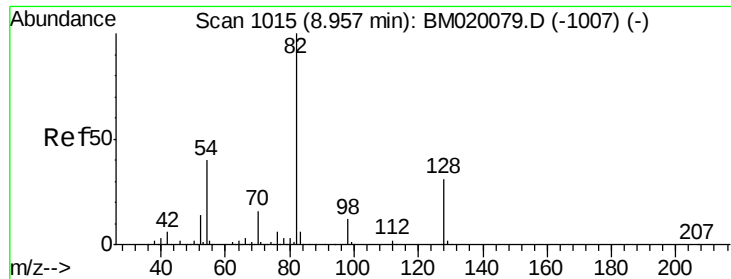
Delta R.T. -0.04 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	185018		
137	11.1	9.6	14.4	
54	5.6	5.5	8.3	
68	6.2	4.6	6.8	





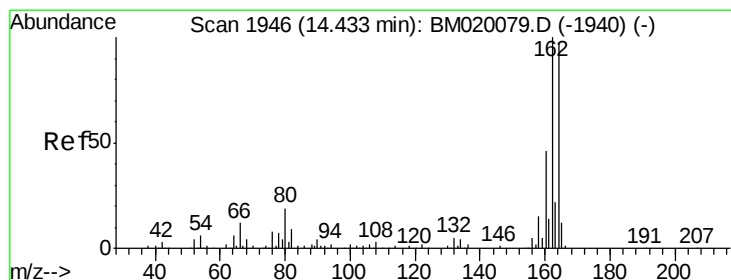
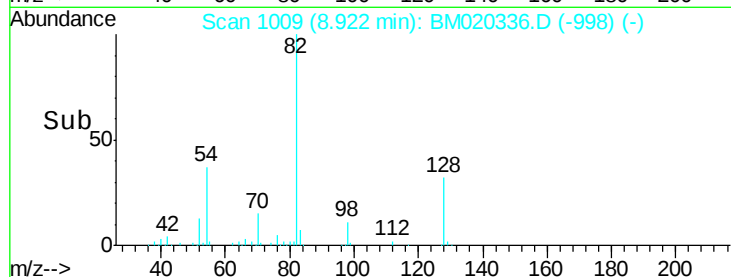
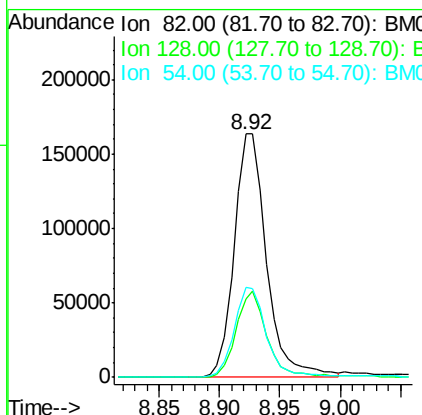
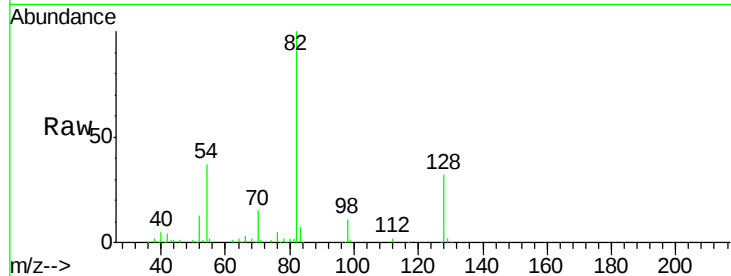
#23
 Nitrobenzene-d5
 Concen: 65.463 ng
 RT: 8.92 min Scan# 1009
 Delta R.T. -0.04 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	306783		
128	32.1	25.2	37.8	
54	36.8	31.9	47.9	

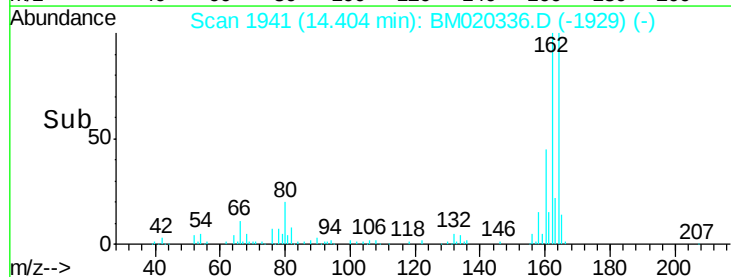
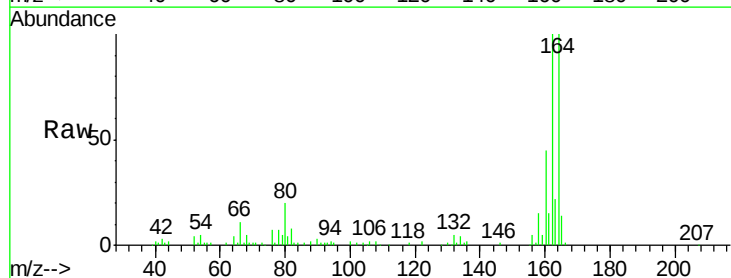
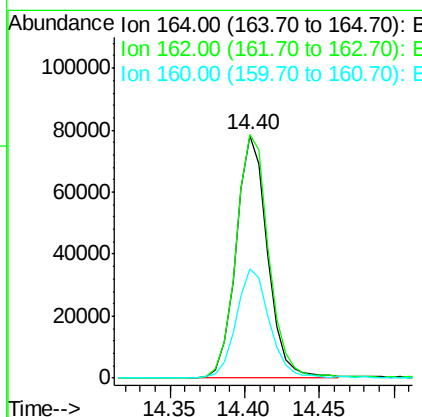
Manual Integrations
 APPROVED

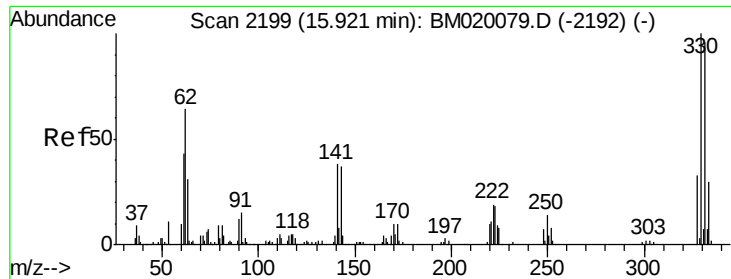
mohammad
 5/15/2019 8:19:25 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.40 min Scan# 1941
 Delta R.T. -0.03 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114619		
162	100.3	82.2	123.2	
160	44.8	37.6	56.4	





#42

2,4,6-Tribromophenol

Concen: 105.902 ng

RT: 15.90 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BM020336.D

Acq: 14 May 2019 17:17

Instrument :

BNA_M

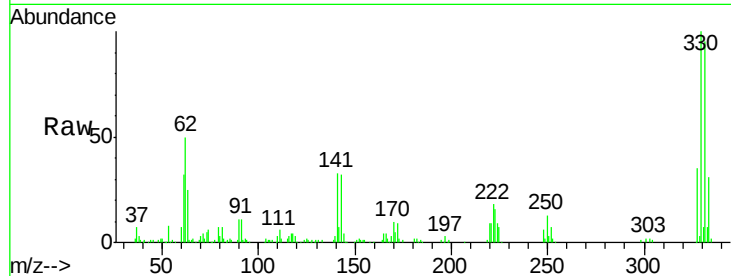
ClientSampleId :

FK-GF-02-039-B

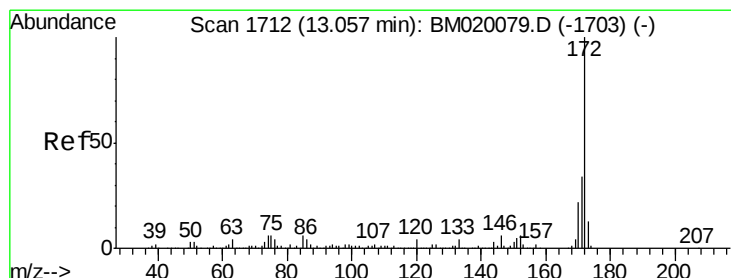
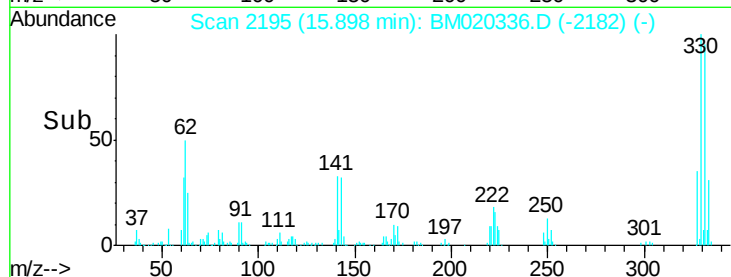
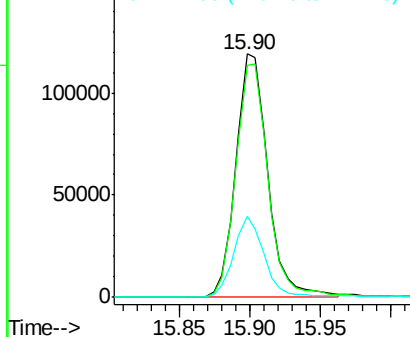
Tgt Ion:	330	Resp:	188411
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.8	115.2
141	31.6	29.2	43.8

Manual Integrations
APPROVED

mohammad
5/15/2019 8:19:25 AM



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: 61.931 ng

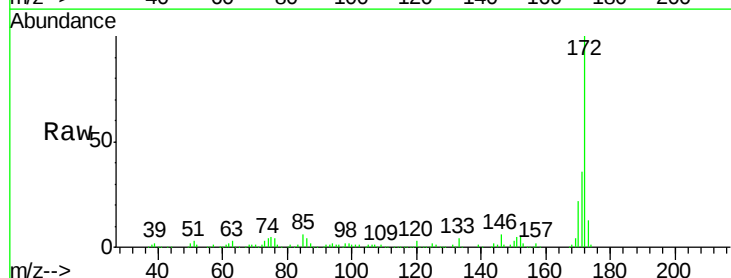
RT: 13.02 min Scan# 1706

Delta R.T. -0.04 min

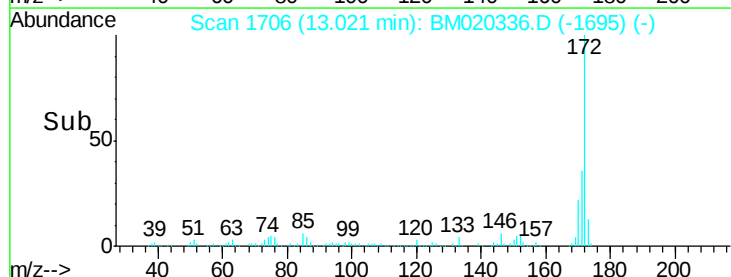
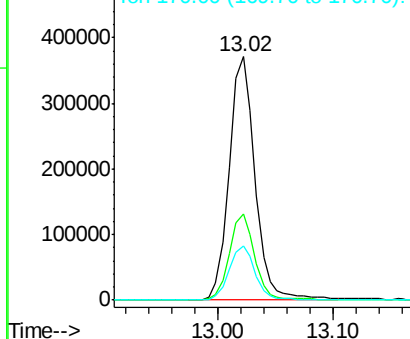
Lab File: BM020336.D

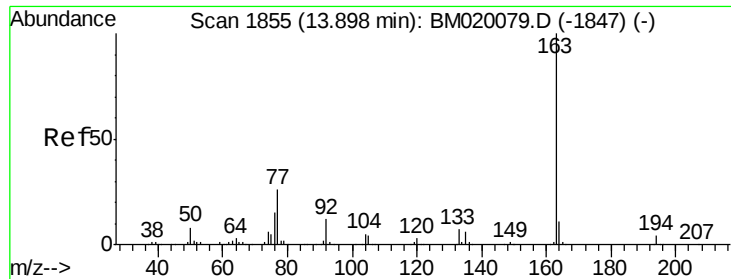
Acq: 14 May 2019 17:17

Tgt Ion:	172	Resp:	576942
Ion Ratio	Lower	Upper	
172	100		
171	35.7	27.3	40.9
170	22.5	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





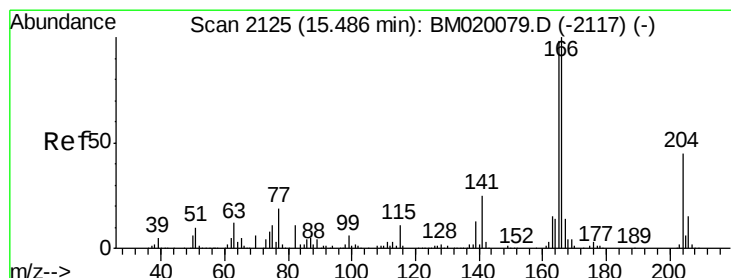
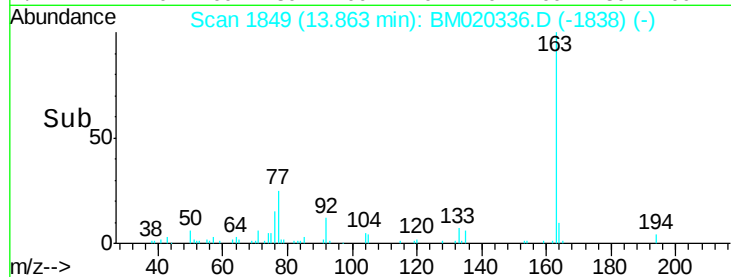
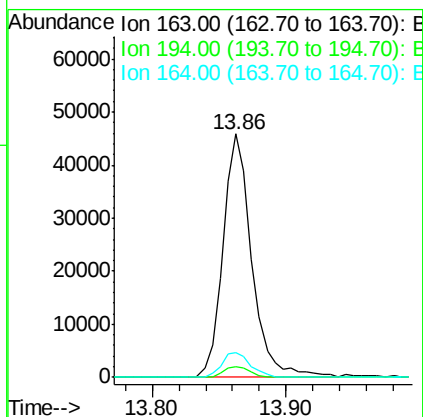
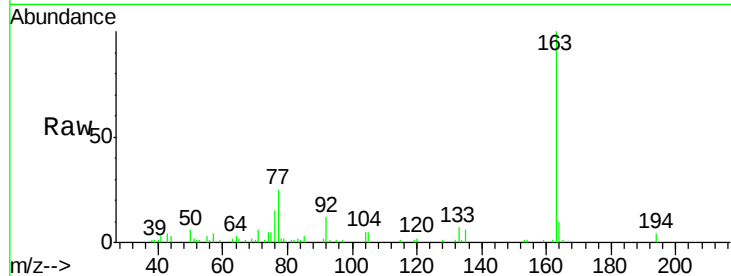
#50
Dimethylphthalate
Concen: 7.134 ng
RT: 13.86 min Scan# 1849
Delta R.T. -0.04 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.0	8.4	12.6

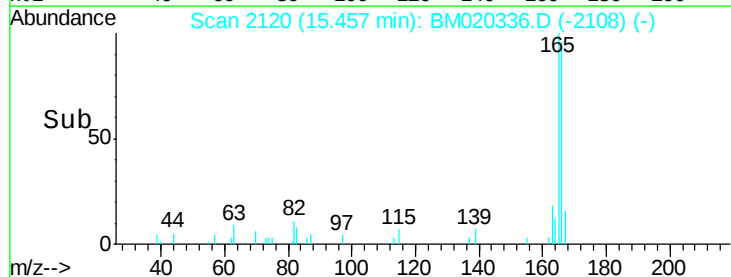
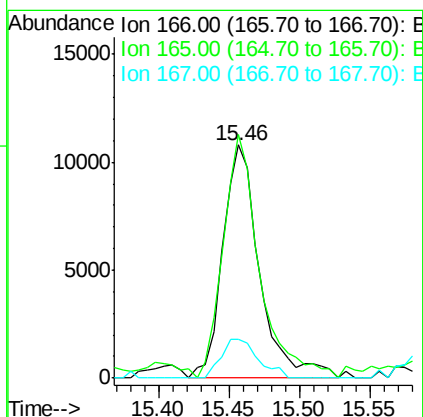
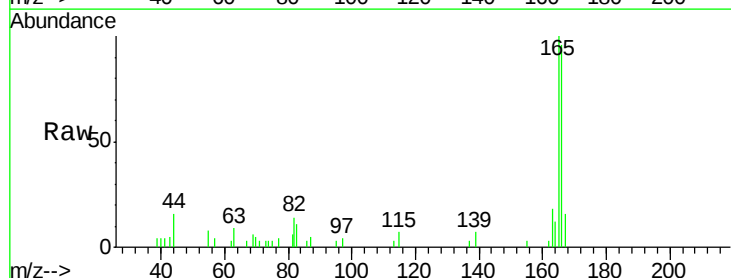
Manual Integrations
APPROVED

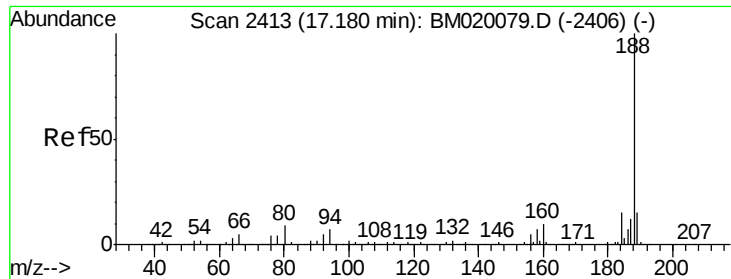
mohammad
5/15/2019 8:19:25 AM



#58
Fluorene
Concen: 2.046 ng
RT: 15.46 min Scan# 2120
Delta R.T. -0.03 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.6	78.2	117.2
167	16.5	11.0	16.4#





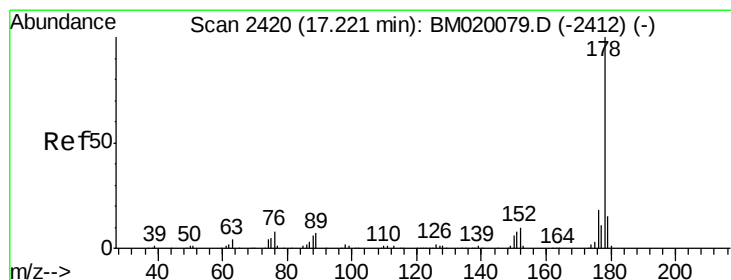
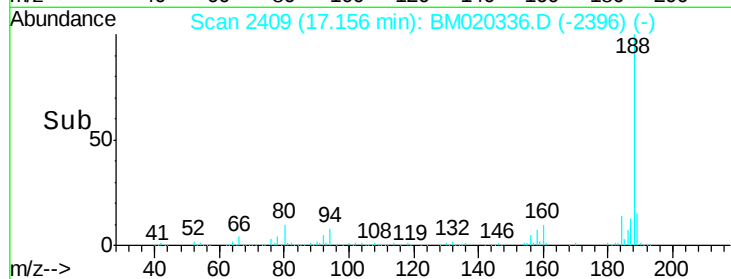
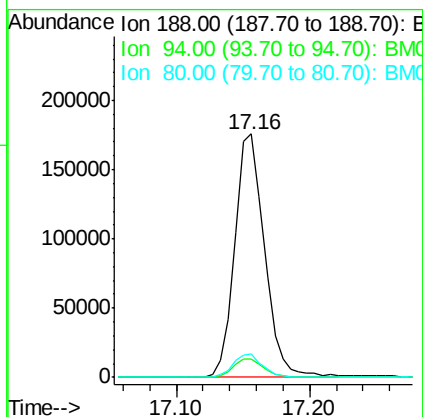
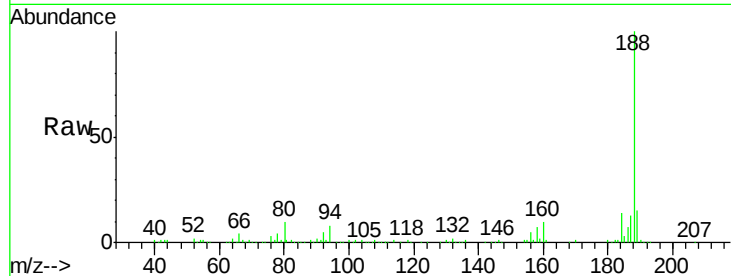
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2409
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	273437		
94	7.6	5.8	8.6	
80	9.5	7.4	11.2	

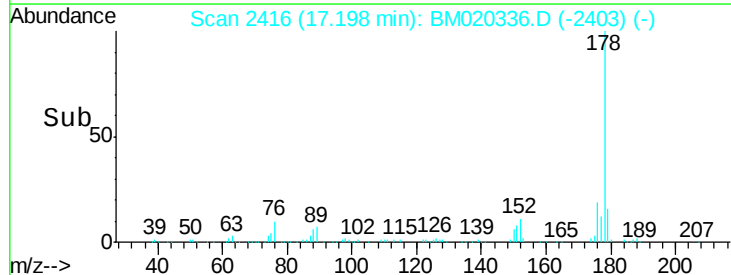
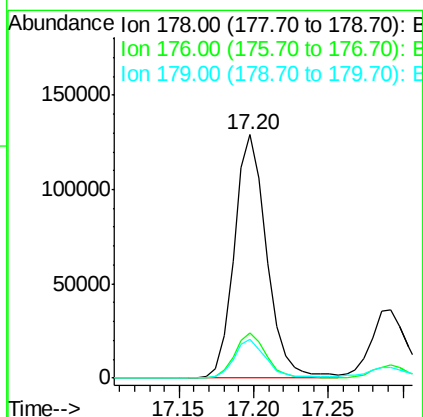
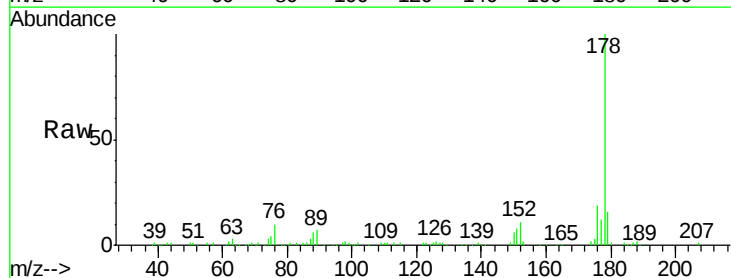
Manual Integrations
APPROVED

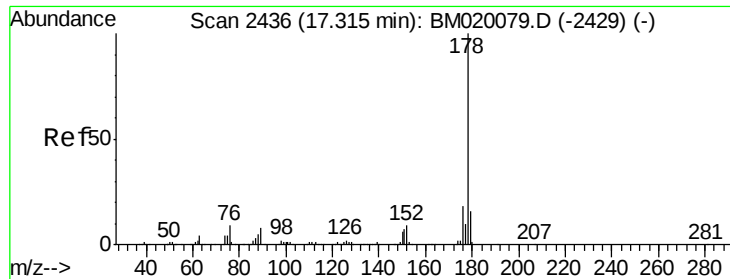
mohammad
5/15/2019 8:19:25 AM



#71
Phenanthrene
Concen: 12.959 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	195604		
176	18.6	14.6	21.8	
179	15.9	12.4	18.6	





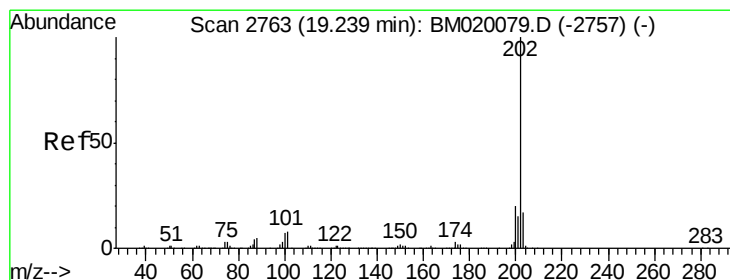
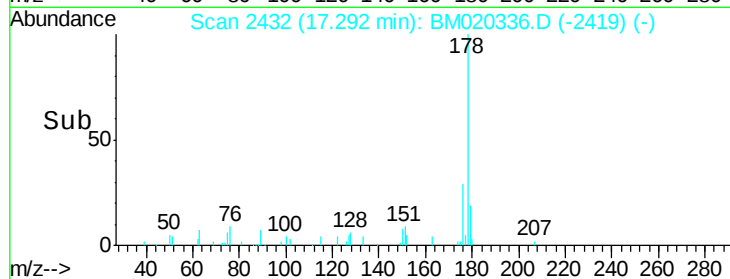
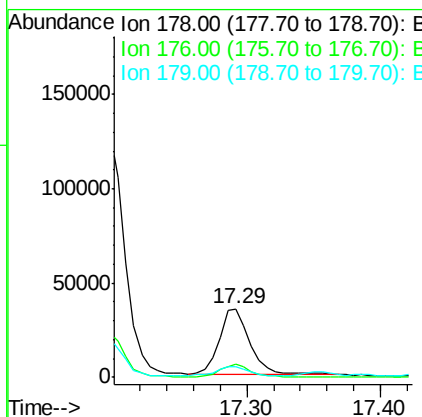
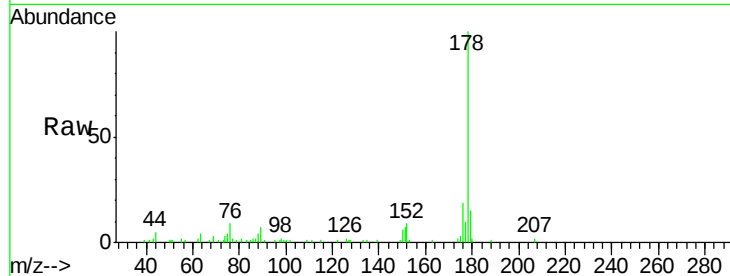
#72
 Anthracene
 Concen: 3.802 ng
 RT: 17.29 min Scan# 2432
 Delta R.T. -0.02 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	22.0
179	14.7	12.4	18.6

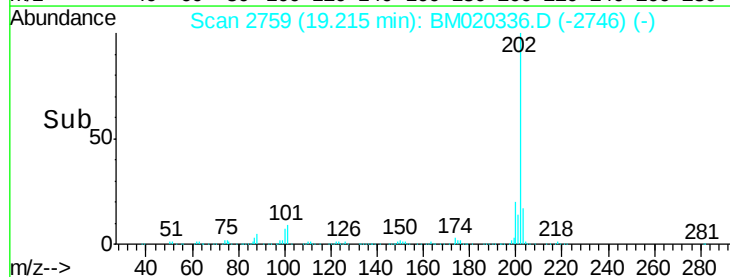
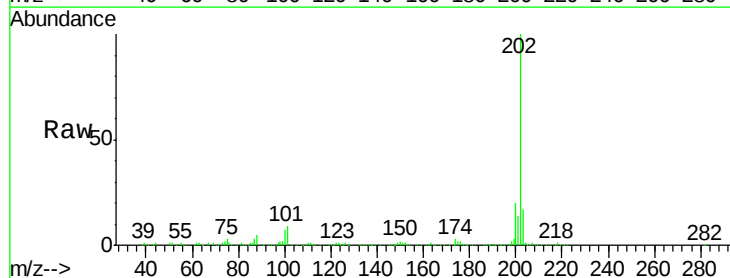
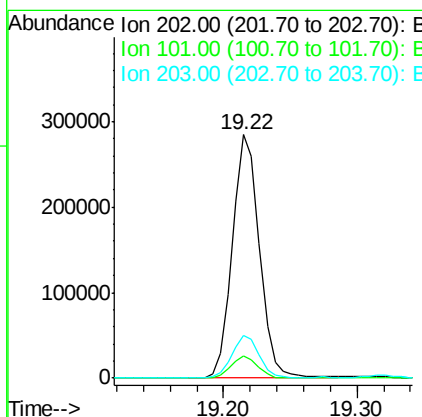
Manual Integrations
 APPROVED

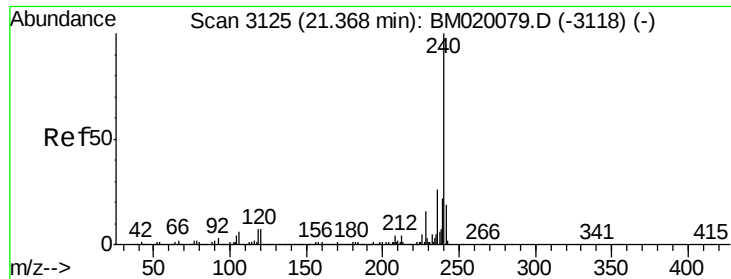
mohammad
 5/15/2019 8:19:25 AM



#75
 Fluoranthene
 Concen: 21.114 ng
 RT: 19.22 min Scan# 2759
 Delta R.T. -0.02 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	28.4
203	17.5	0.0	37.4





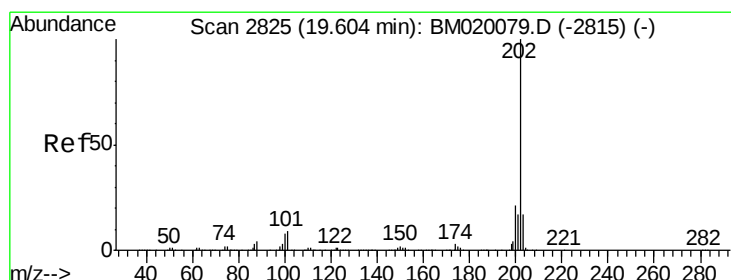
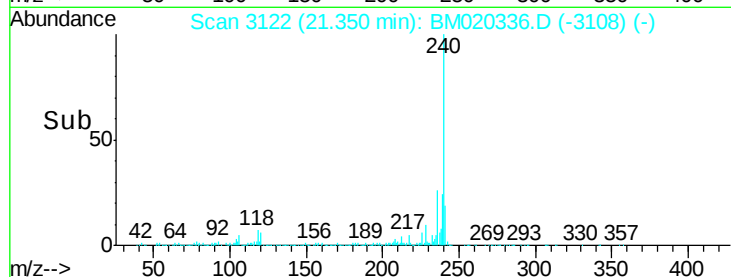
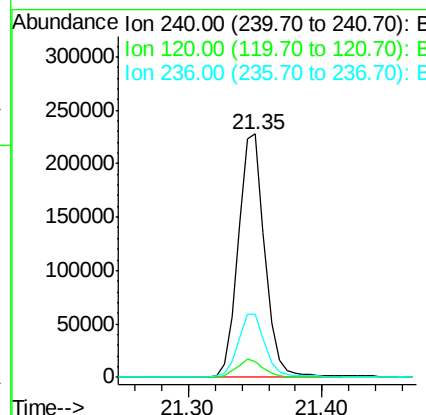
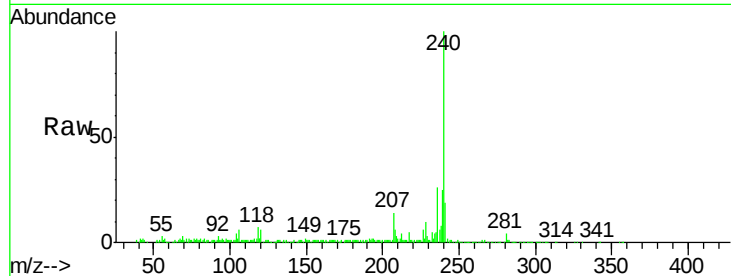
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	312070		
120	6.4	5.6	8.4	
236	26.0	20.9	31.3	

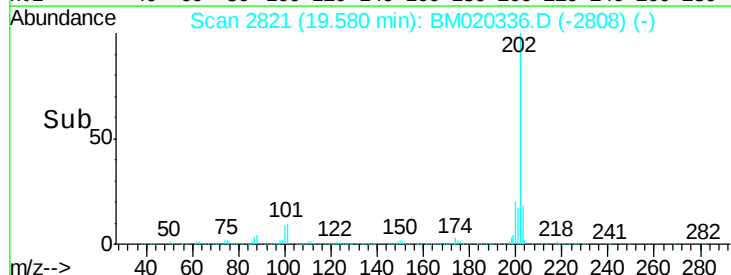
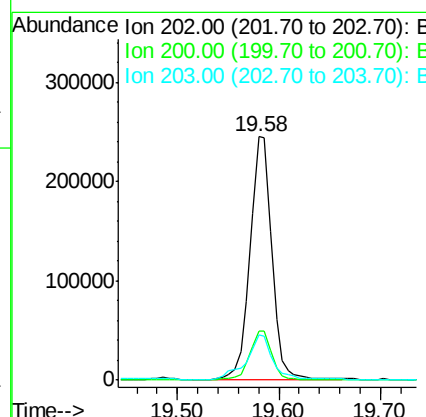
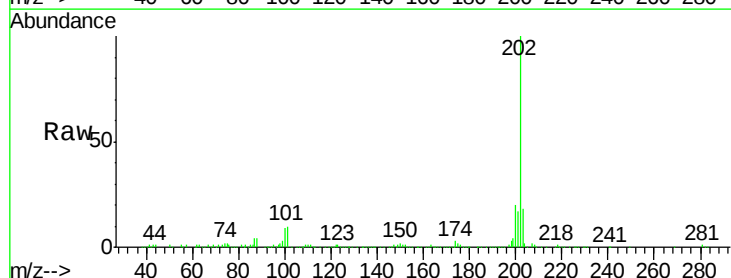
Manual Integrations
APPROVED

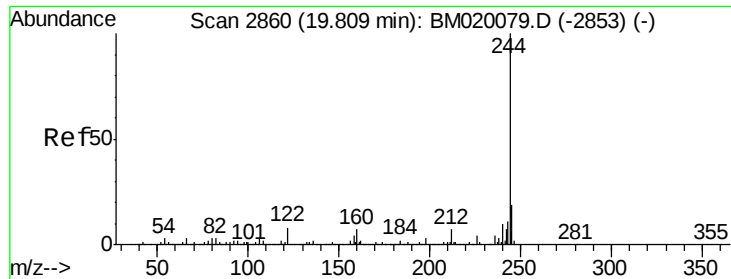
mohammad
5/15/2019 8:19:25 AM



#78
Pyrene
Concen: 17.544 ng
RT: 19.58 min Scan# 2821
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	367574		
200	20.0	16.5	24.7	
203	18.3	13.9	20.9	





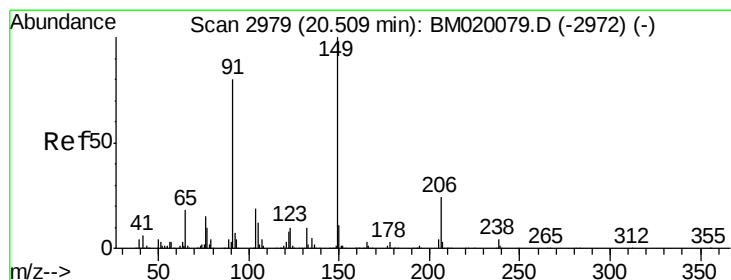
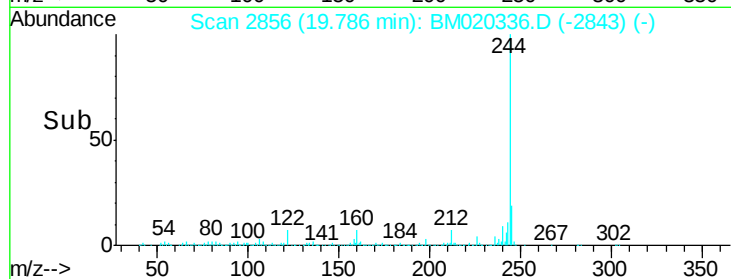
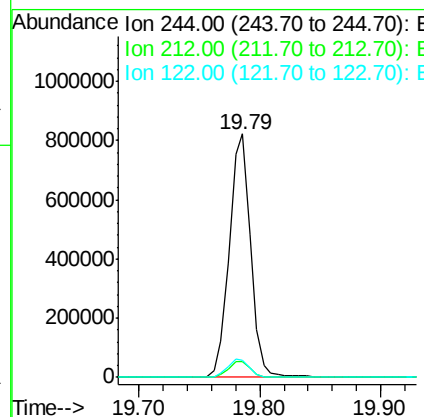
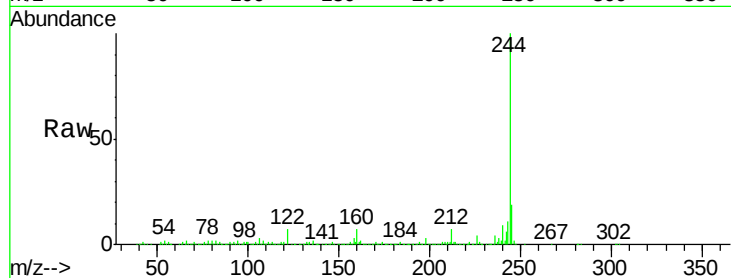
#79
 Terphenyl-d14
 Concen: 56.175 ng
 RT: 19.79 min Scan# 2856
 Delta R.T. -0.02 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion:244 Resp: 1005072
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 7.1 6.2 9.2

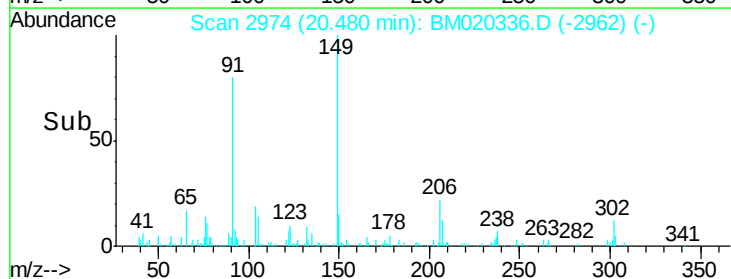
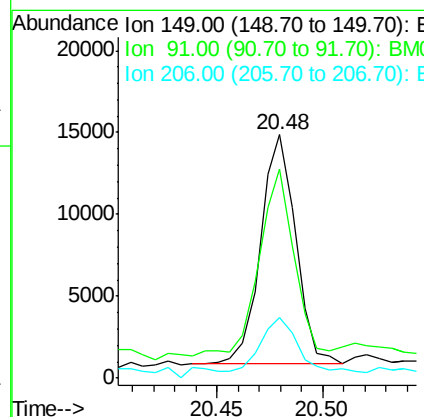
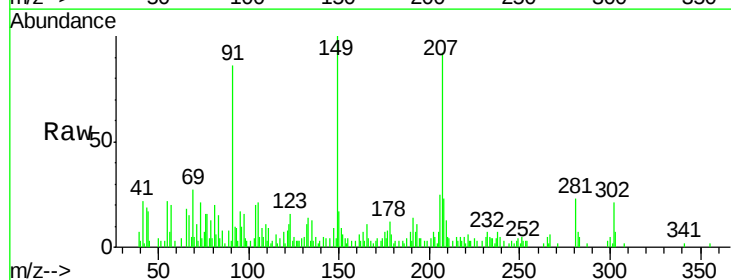
Manual Integrations
 APPROVED

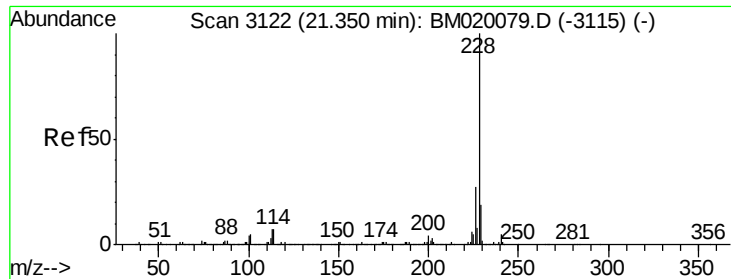
mohammad
 5/15/2019 8:19:25 AM



#80
 Butylbenzylphthalate
 Concen: 2.133 ng
 RT: 20.48 min Scan# 2974
 Delta R.T. -0.03 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Tgt Ion:149 Resp: 16255
 Ion Ratio Lower Upper
 149 100
 91 85.8 63.8 95.8
 206 24.7 18.9 28.3





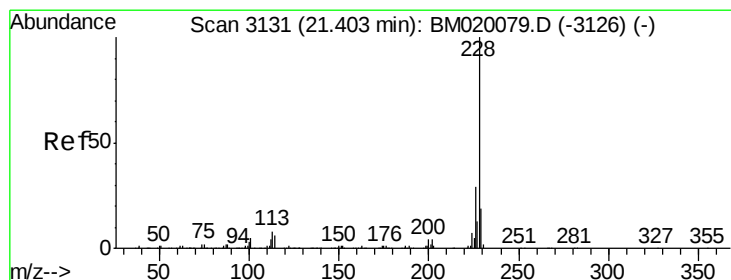
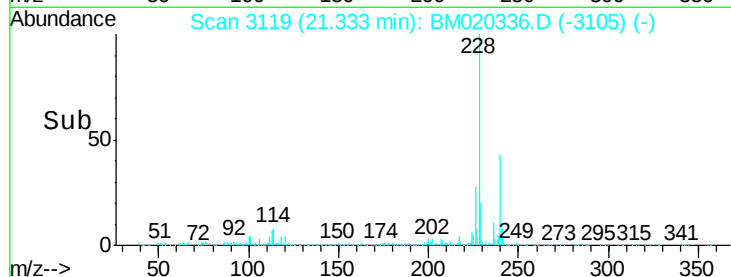
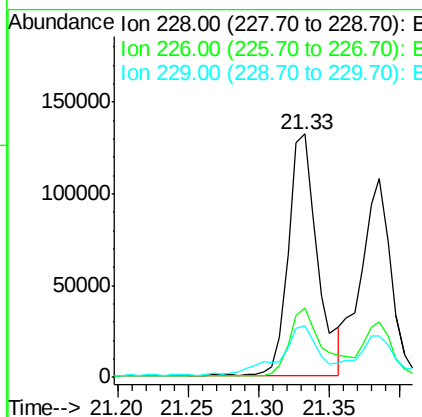
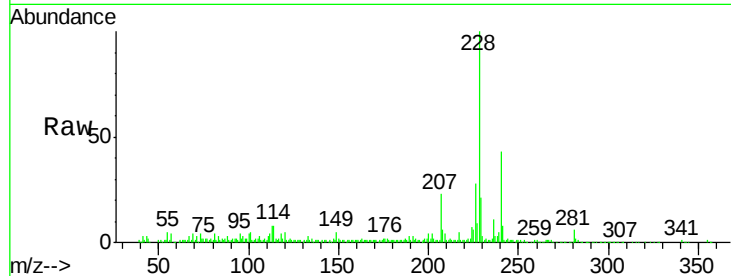
#81
Benzo(a)anthracene
Concen: 8.722 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampled :
FK-GF-02-039-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.3	31.9
229	21.2	15.5	23.3

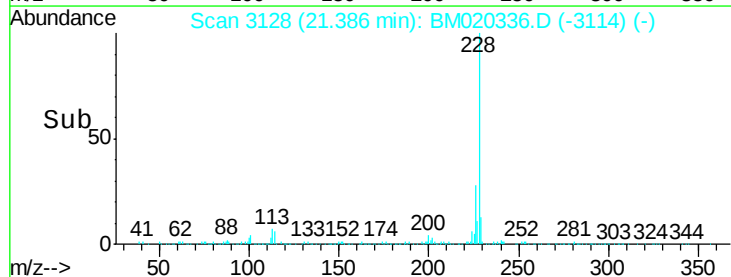
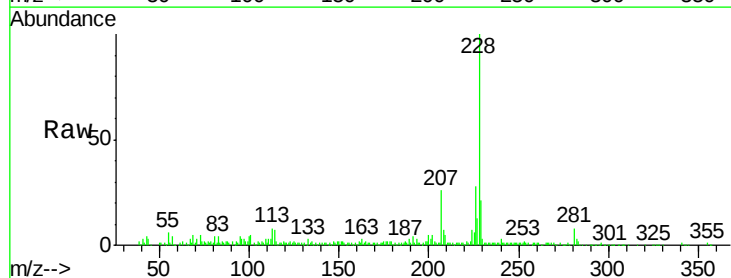
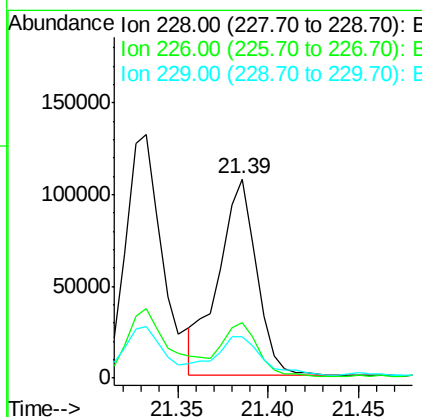
Manual Integrations
APPROVED

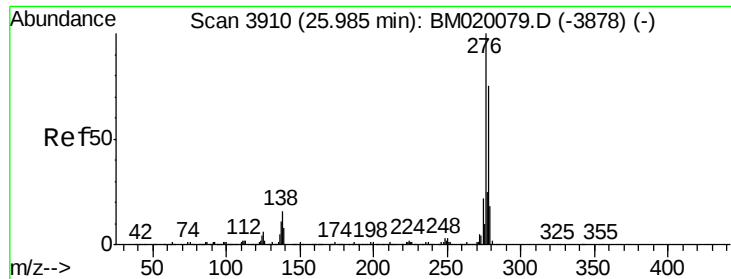
mohammad
5/15/2019 8:19:25 AM



#83
Chrysene
Concen: 7.411 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.0	34.6
229	20.7	15.5	23.3





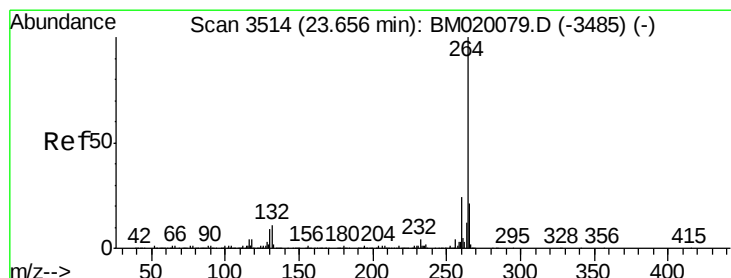
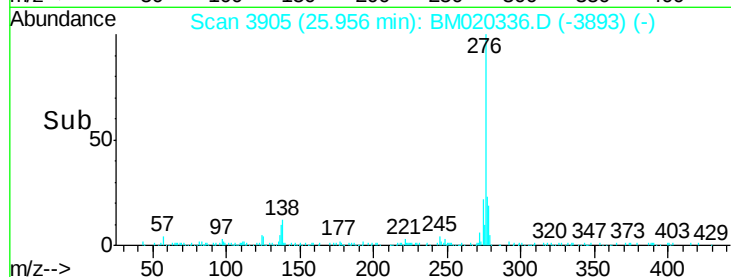
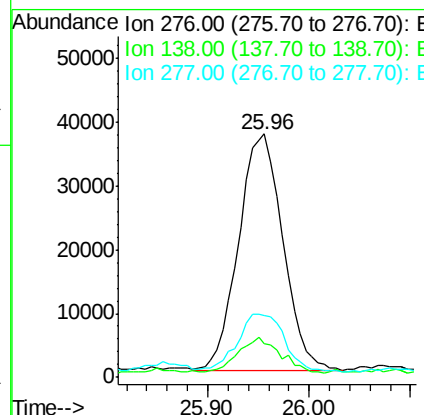
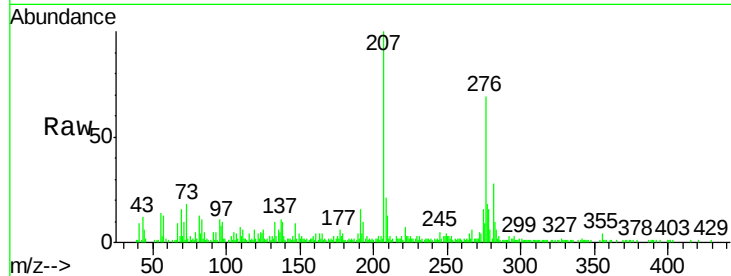
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.443 ng
 RT: 25.96 min Scan# 3905
 Delta R.T. -0.03 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	112169		
138	14.1	0.0	0.0	0.0
277	25.9	0.0	0.0	0.0

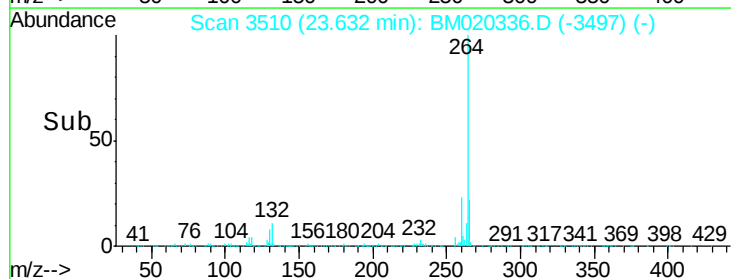
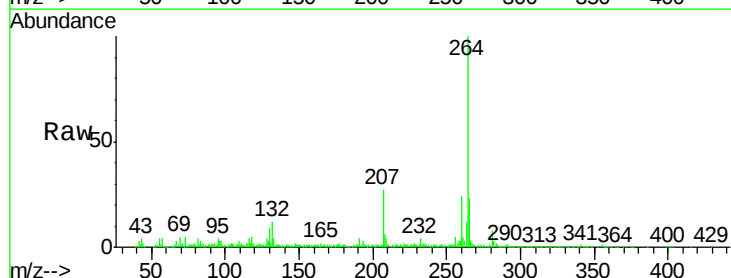
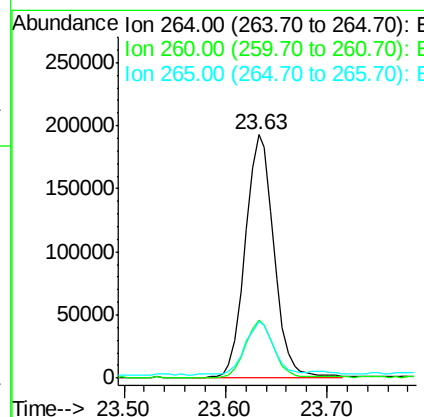
Manual Integrations
 APPROVED

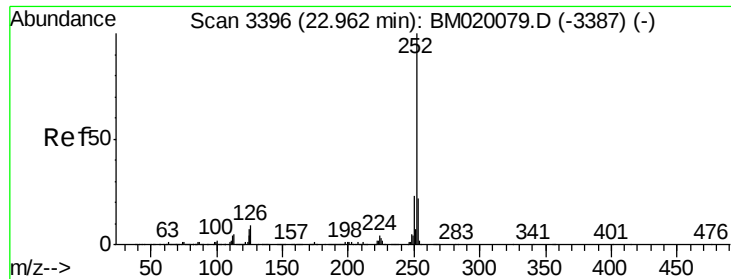
mohammad
 5/15/2019 8:19:25 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.63 min Scan# 3510
 Delta R.T. -0.02 min
 Lab File: BM020336.D
 Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	375745		
260	23.7	19.2	28.8	
265	23.4	16.9	25.3	





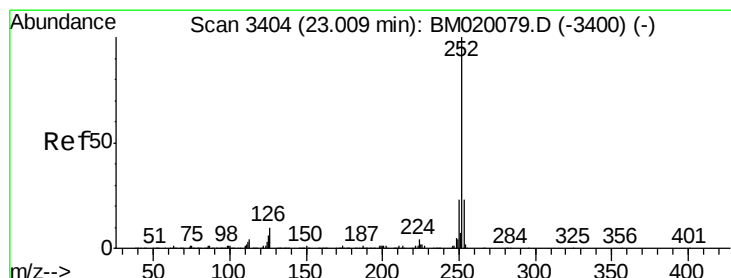
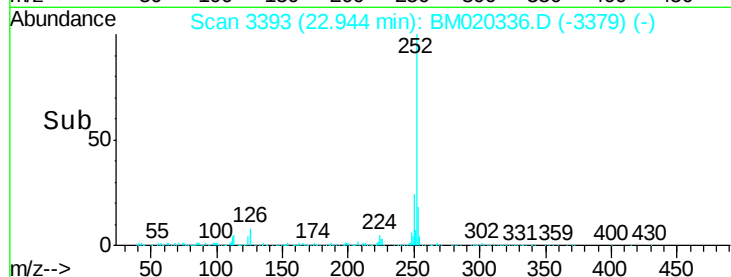
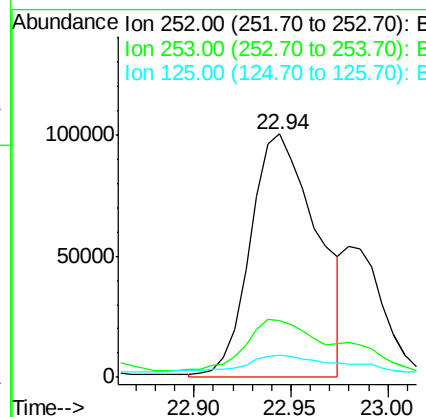
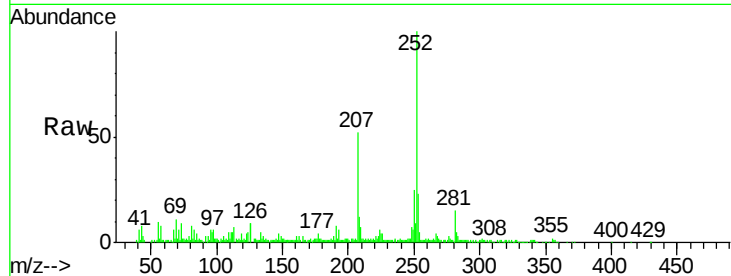
#88
Benzo(b)fluoranthene
Concen: 9.691 ng m
RT: 22.94 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampled :
FK-GF-02-039-B

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.5	26.3
125	9.1	5.4	8.2#

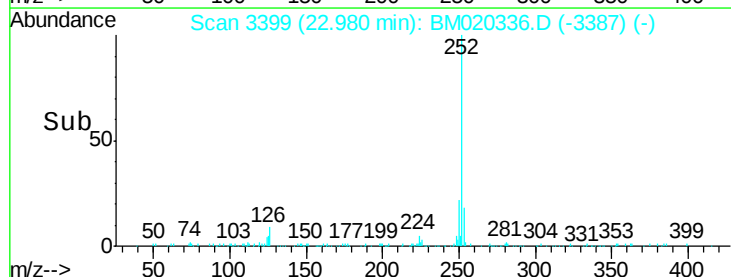
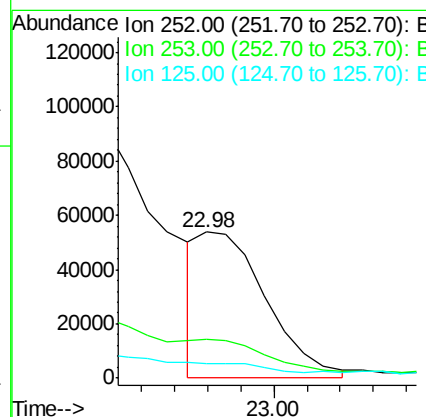
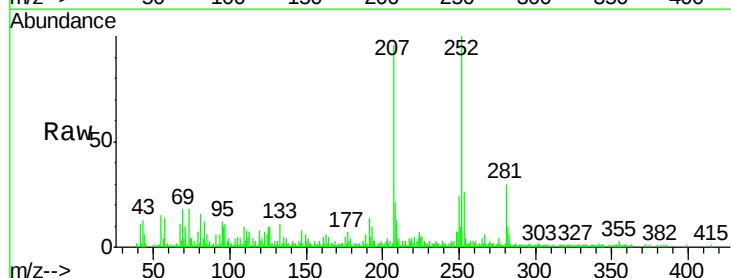
Manual Integrations
APPROVED

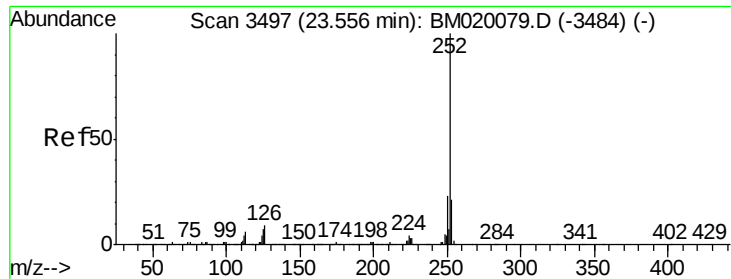
mohammad
5/15/2019 8:19:25 AM



#89
Benzo(k)fluoranthene
Concen: 3.381 ng m
RT: 22.98 min Scan# 3399
Delta R.T. -0.03 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.4	17.8	26.8
125	10.1	5.4	8.0#





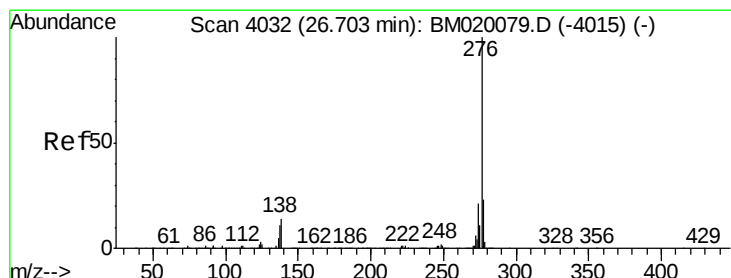
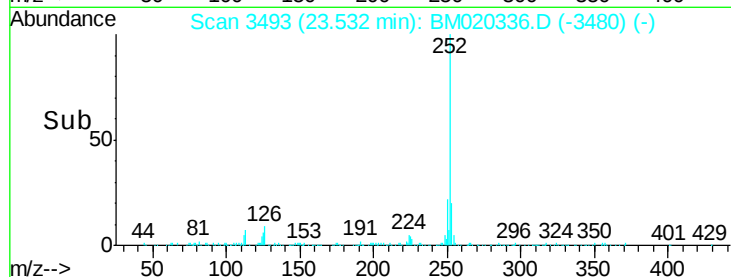
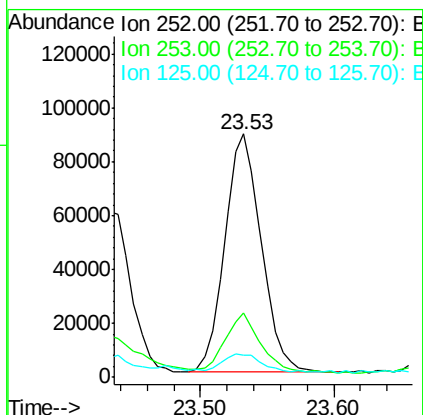
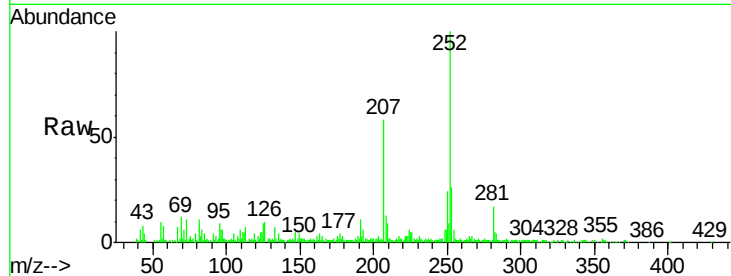
#90
Benzo(a)pyrene
Concen: 7.497 ng
RT: 23.53 min Scan# 3493
Delta R.T. -0.02 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Instrument :
BNA_M
ClientSampleId :
FK-GF-02-039-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	26.3	17.0	25.6#
125	9.0	5.5	8.3#

Manual Integrations
APPROVED

mohammad
5/15/2019 8:19:25 AM



#92
Benzo(g,h,i)perylene
Concen: 5.318 ng
RT: 26.67 min Scan# 4027
Delta R.T. -0.03 min
Lab File: BM020336.D
Acq: 14 May 2019 17:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.3	18.4	27.6
138	18.4	11.1	16.7#

