

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040949.D
 Acq On : 30 May 2019 13:13
 Operator : HP/JU
 Sample : K2944-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-5(4.5-5)

Manual Integrations
 APPROVED

mohammad
 5/31/2019 8:13:10 AM

Quant Time: May 31 08:41:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	70118	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	290366	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	200291	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	454871	20.00	ng	0.00
76) Chrysene-d12	21.78	240	442026	20.00	ng	0.00
87) Perylene-d12	25.13	264	493428	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	580936	149.40	ng	0.00
7) Phenol-d6	7.27	99	873799	145.50	ng	0.00
23) Nitrobenzene-d5	9.30	82	611655	93.52	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	405506	136.38	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1332465	95.81	ng	0.00
79) Terphenyl-d14	20.09	244	1799006	86.38	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.19	163	183171	10.804	ng	99
71) Phenanthrene	17.54	178	571065	24.102	ng	99
72) Anthracene	17.63	178	77986	3.337	ng	97
75) Fluoranthene	19.55	202	1281902	43.803	ng	98
78) Pyrene	19.90	202	1194324	41.564	ng	99
81) Benzo(a)anthracene	21.76	228	645081	21.924	ng	98
83) Chrysene	21.82	228	670803m	23.823	ng	
86) Indeno(1,2,3-cd)pyrene	28.96	276	423629	12.282	ng	# 97
88) Benzo(b)fluoranthene	24.05	252	834878	27.896	ng	100
89) Benzo(k)fluoranthene	24.12	252	288949m	9.757	ng	
90) Benzo(a)pyrene	24.96	252	617906	21.640	ng	99
91) Dibenzo(a,h)anthracene	29.00	278	108650m	3.808	ng	
92) Benzo(a,h,i)perylene	30.17	276	397638	14.346	ng	96

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

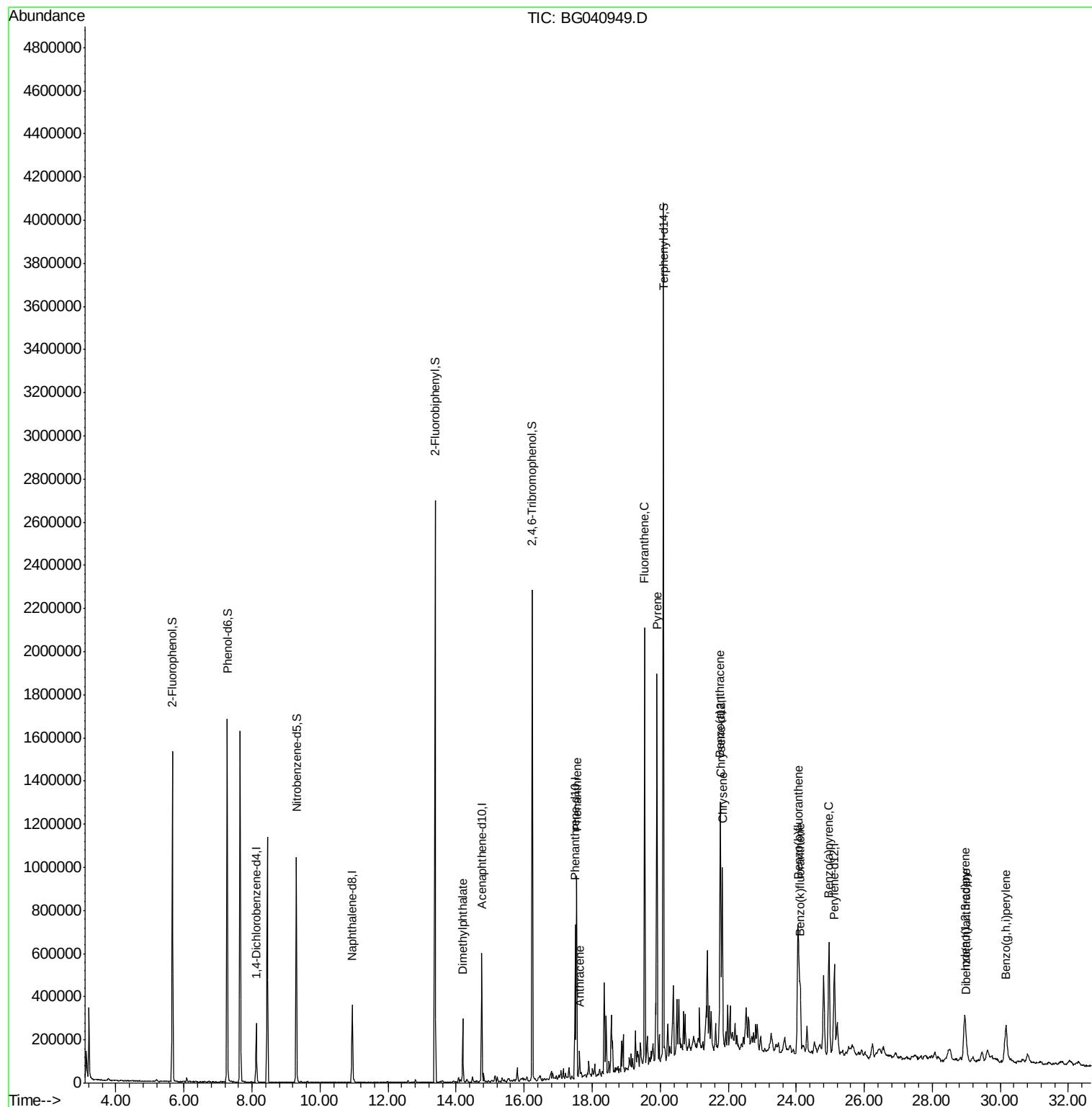
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
Data File : BG040949.D
Acq On : 30 May 2019 13:13
Operator : HP/JU
Sample : K2944-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

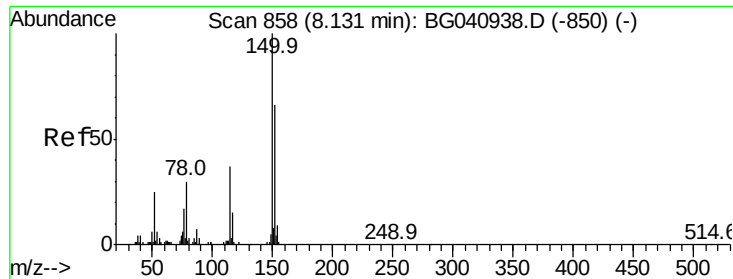
Instrument :
BNA_G
ClientSampleId :
FESB-5(4.5-5)

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM

Quant Time: May 31 08:41:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration





#1

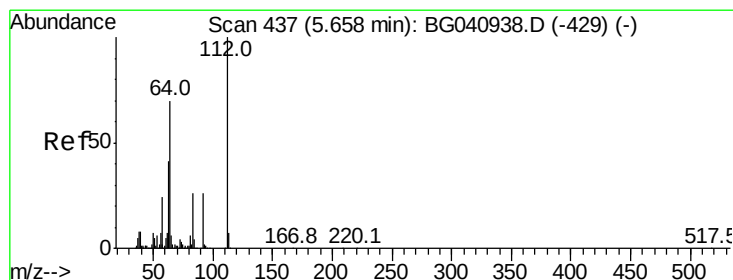
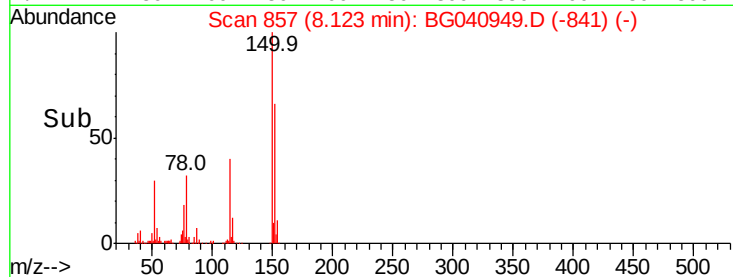
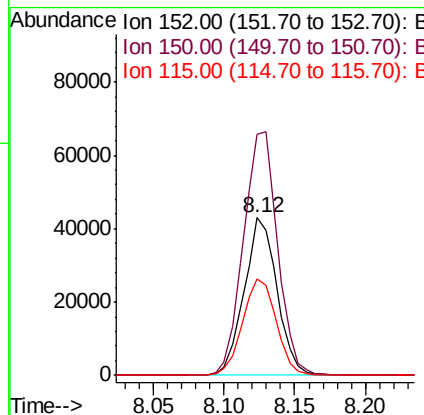
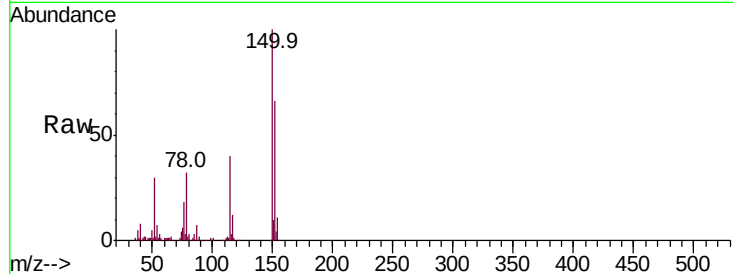
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Instrument :
BNA_G
ClientSampleId :
FESB-5(4.5-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	120.6	180.8
115	61.3	45.1	67.7

Manual Integrations
APPROVED

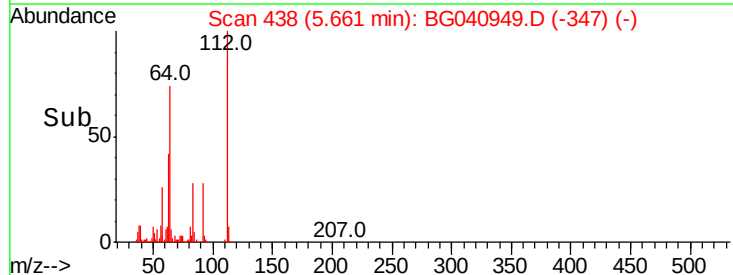
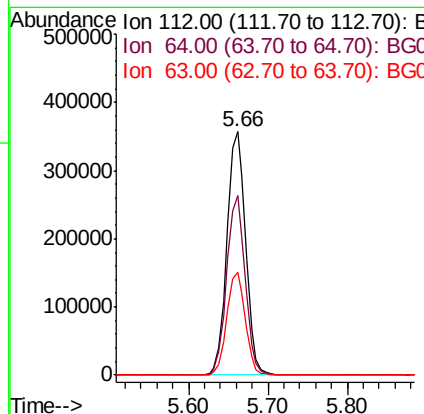
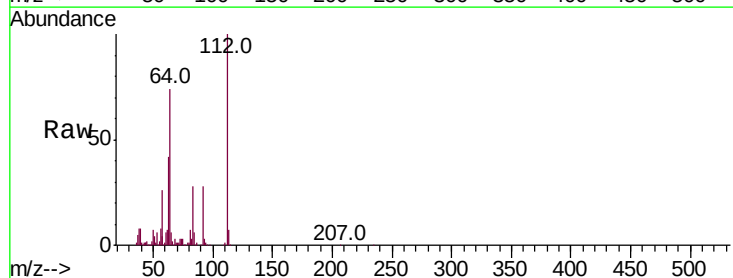
mohammad
5/31/2019 8:13:10 AM

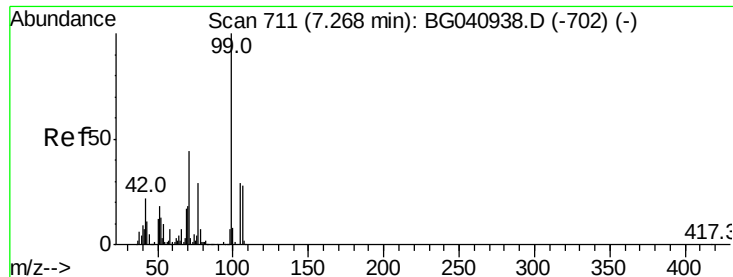


#5

2-Fluorophenol
Concen: 149.398 ng
RT: 5.66 min Scan# 438
Delta R.T. 0.00 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	56.2	84.2
63	42.4	32.8	49.2





#7

Phenol-d6

Concen: 145.502 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

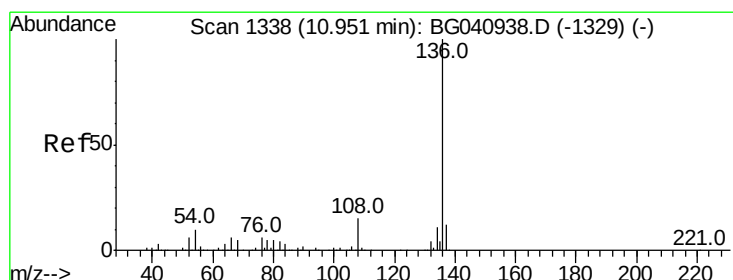
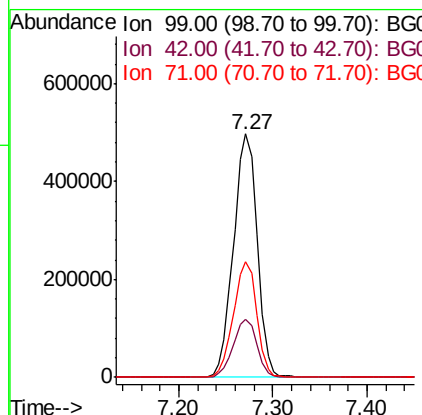
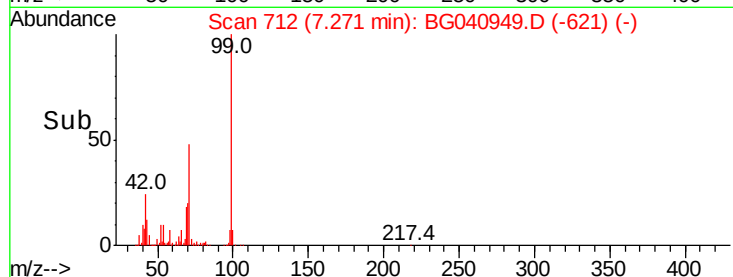
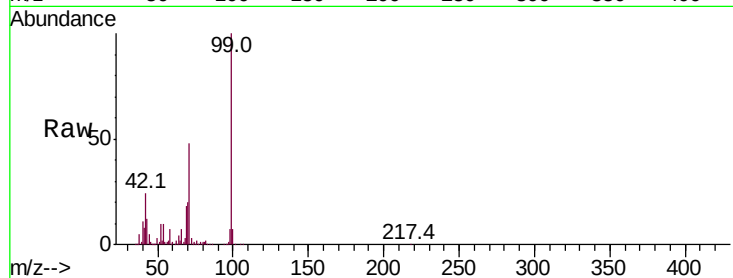
ClientSampleId :

FESB-5(4.5-5)

Tot Ion	99	Resp	873799
Ion	Ratio	Lower	Upper
99	100		
42	23.9	17.9	26.9
71	47.6	35.4	53.0

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



#21

Naphthalene-d8

Concen: 20.000 ng

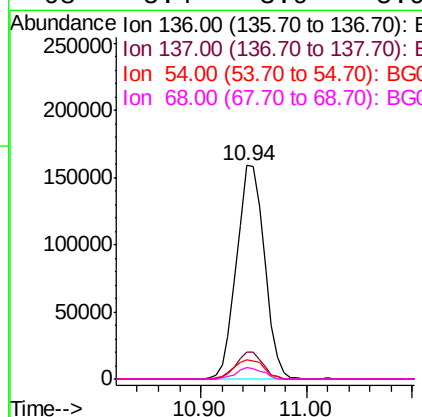
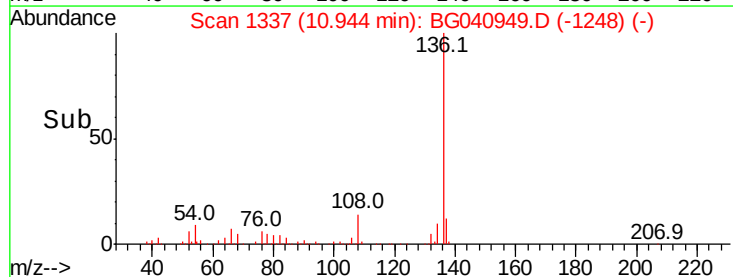
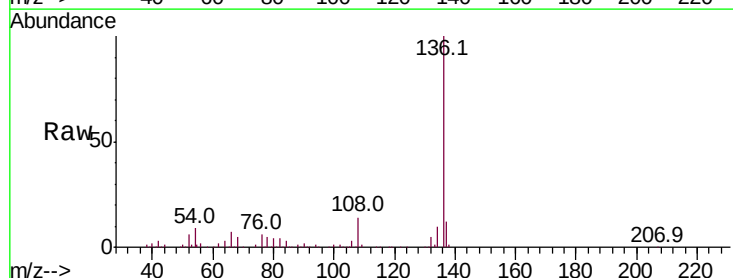
RT: 10.94 min Scan# 1337

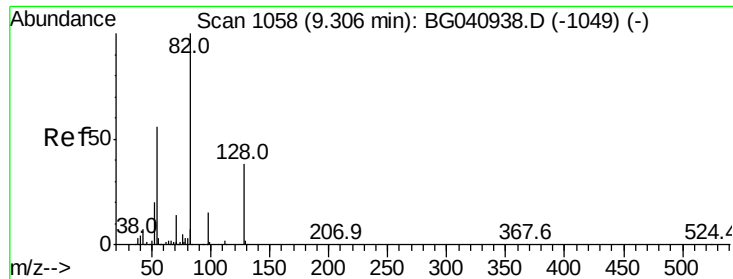
Delta R.T. -0.01 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Tgt Ion	136	Resp	290366
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	9.8	7.6	11.4
68	5.4	3.9	5.9





#23

Nitrobenzene-d5

Concen: 93.515 ng

RT: 9.30 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

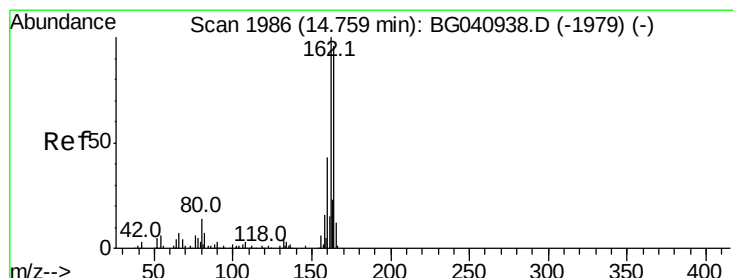
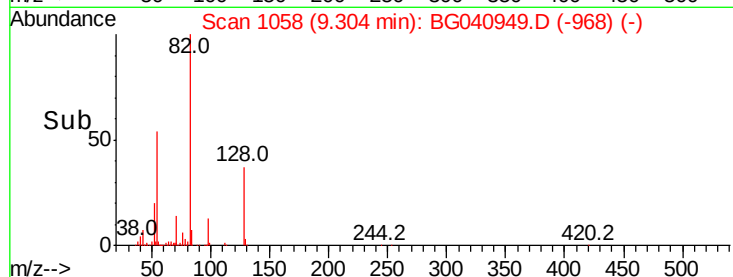
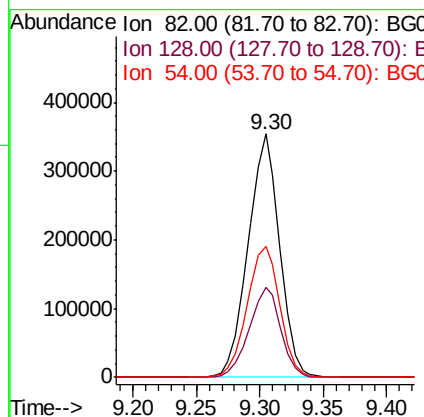
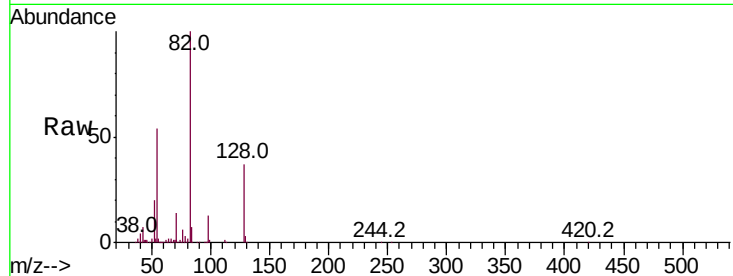
ClientSampleId :

FESB-5(4.5-5)

Tot Ion:	82	Resp:	611655
Ion Ratio	Lower	Upper	
82	100		
128	36.9	30.5	45.7
54	53.9	44.6	66.8

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



#39

Acenaphthene-d10

Concen: 20.000 ng

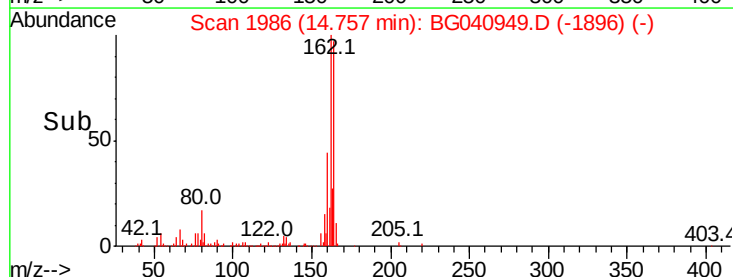
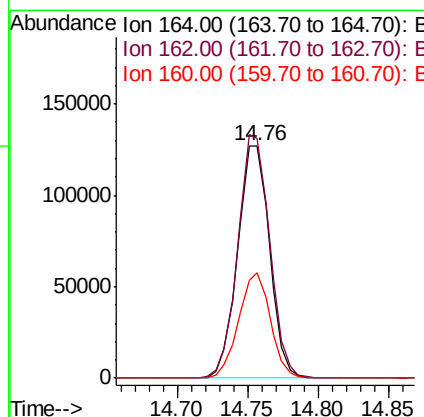
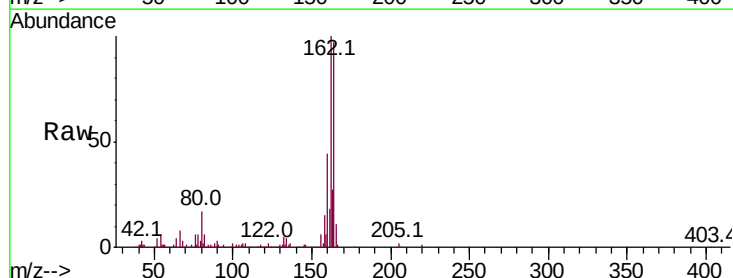
RT: 14.76 min Scan# 1986

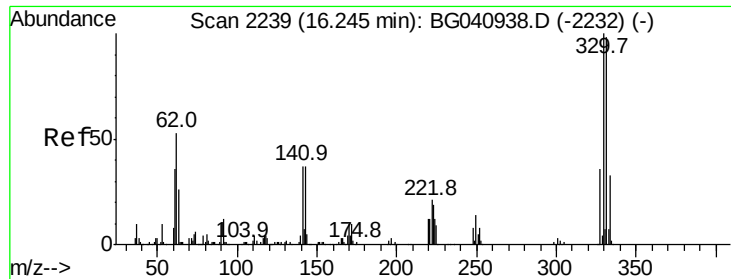
Delta R.T. -0.00 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Tgt Ion:	164	Resp:	200291
Ion Ratio	Lower	Upper	
164	100		
162	103.2	83.0	124.4
160	45.2	35.6	53.4





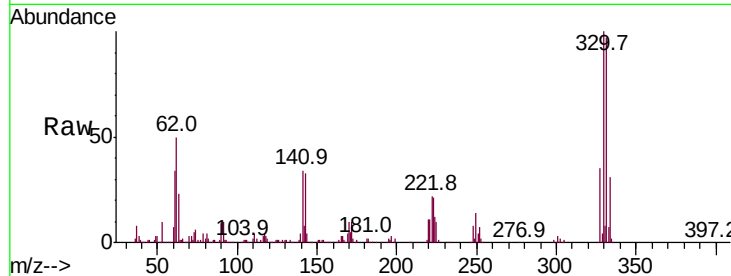
#42
2,4,6-Tribromophenol
Concen: 136.375 ng
RT: 16.24 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Instrument :
BNA_G
ClientSampleId :
FESB-5(4.5-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.5	117.7
141	36.2	28.7	43.1

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM

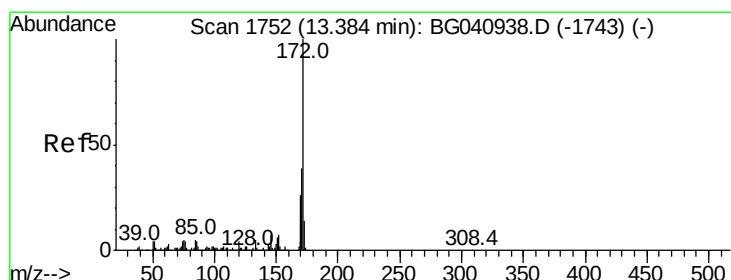
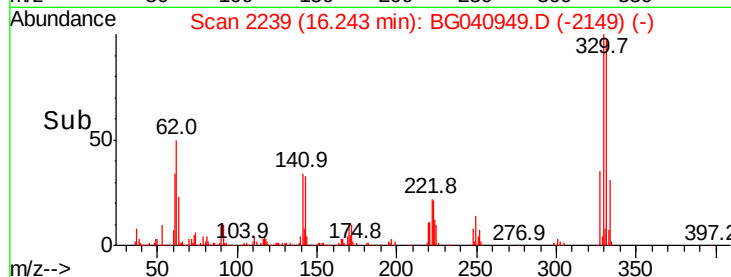
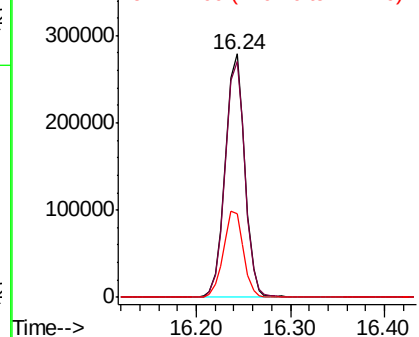


Abundance

Ion 329.80 (329.50 to 330.50): E

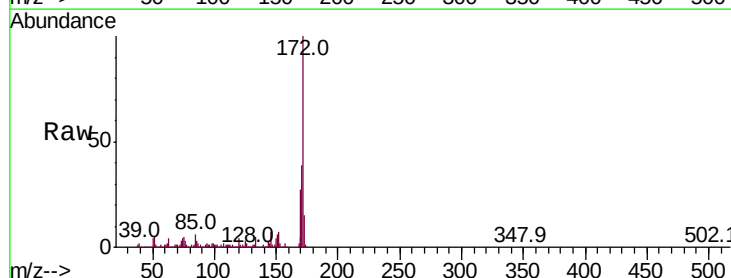
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 95.805 ng
RT: 13.38 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.1	46.7
170	26.6	20.5	30.7

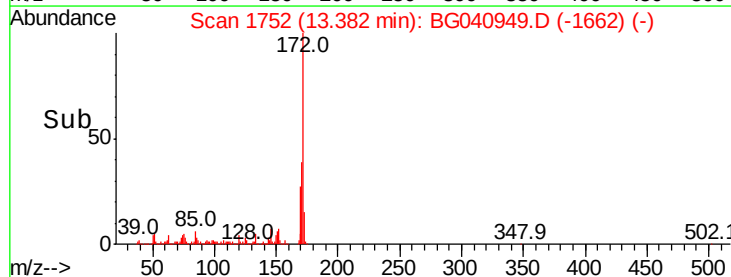
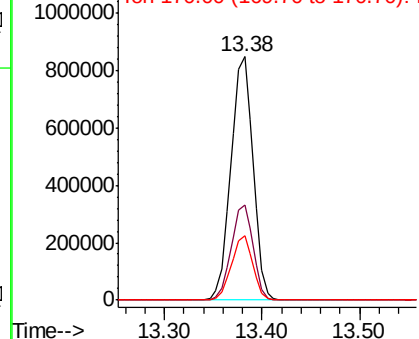


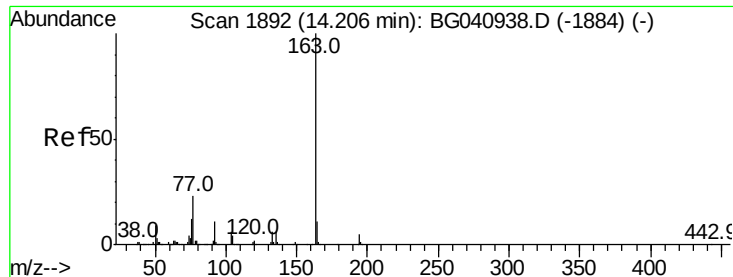
Abundance

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: 10.804 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

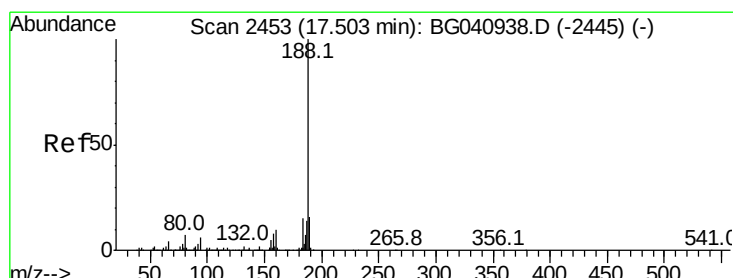
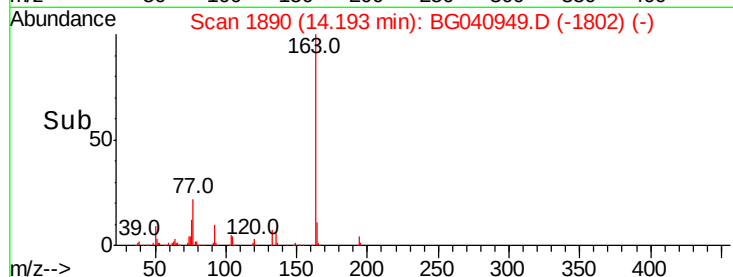
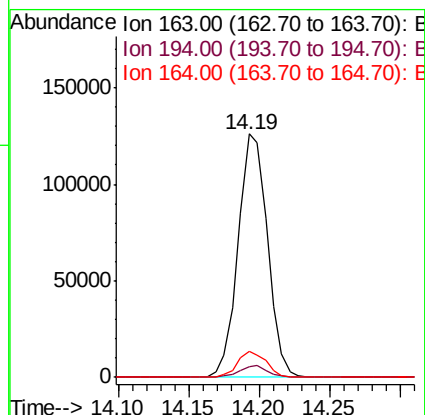
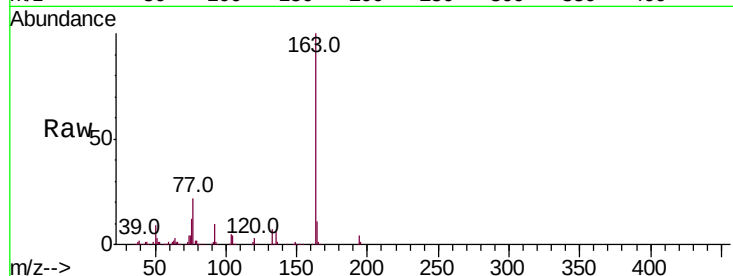
ClientSampleId :

FESB-5(4.5-5)

Tot Ion:	163	Resp:	183171
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.8	5.8
164	10.9	8.7	13.1

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



#64

Phenanthrene-d10

Concen: 20.000 ng

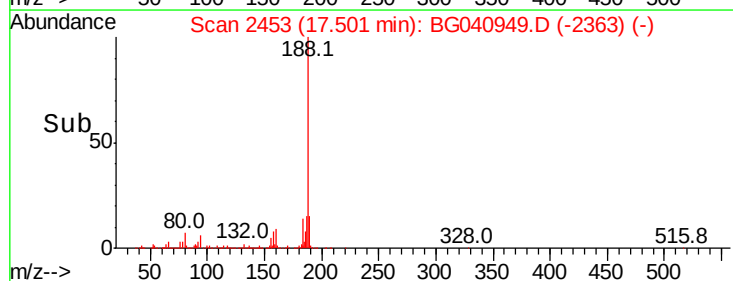
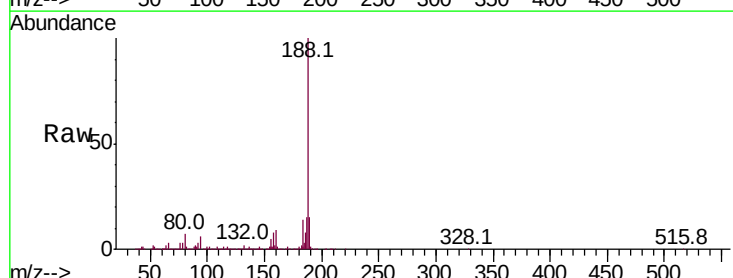
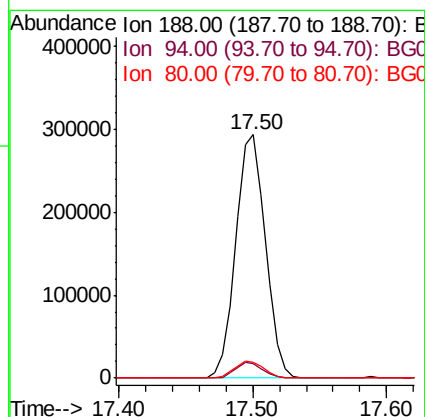
RT: 17.50 min Scan# 2453

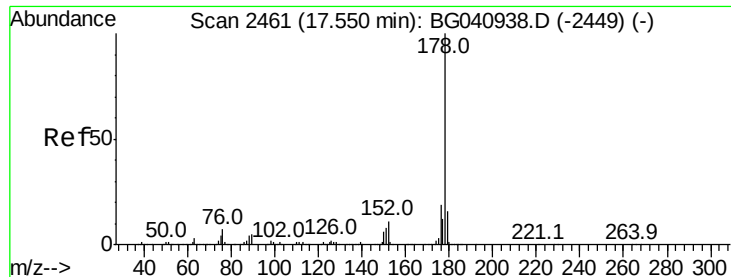
Delta R.T. -0.00 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Tgt Ion:	188	Resp:	454871
Ion Ratio	Lower	Upper	
188	100		
94	5.8	4.7	7.1
80	6.7	5.8	8.8





#71

Phenanthrene

Concen: 24.102 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

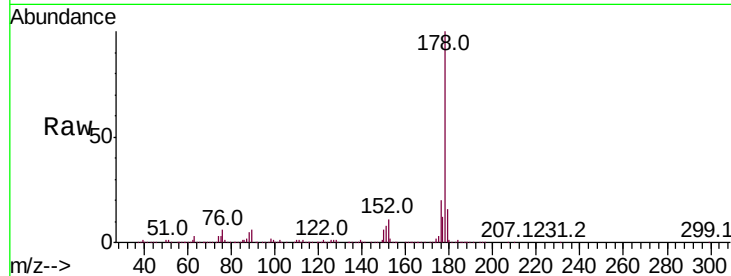
ClientSampleId :

FESB-5(4.5-5)

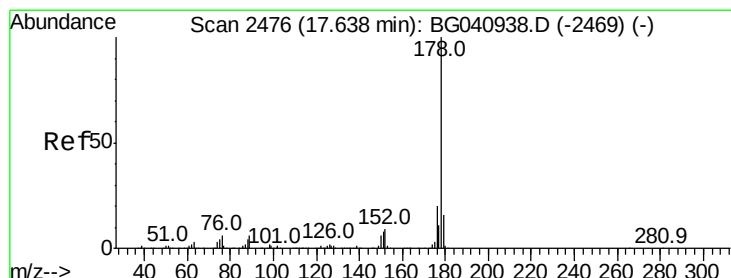
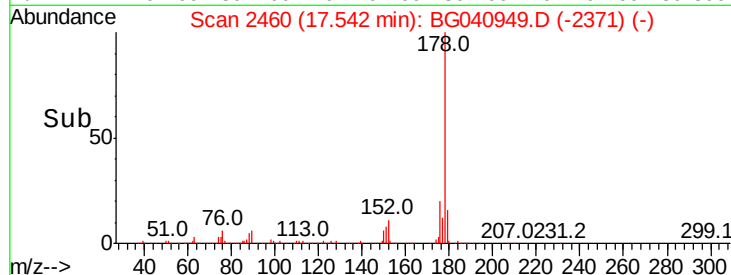
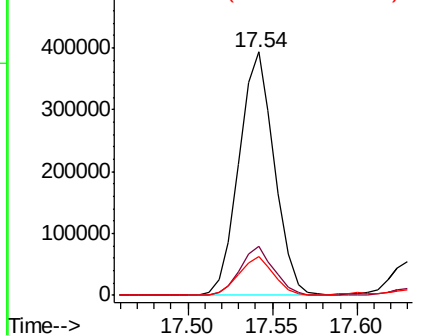
Tot Ion:178	Resp:	571065
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.5 23.3
179	16.0	12.7 19.1

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.337 ng

RT: 17.63 min Scan# 2475

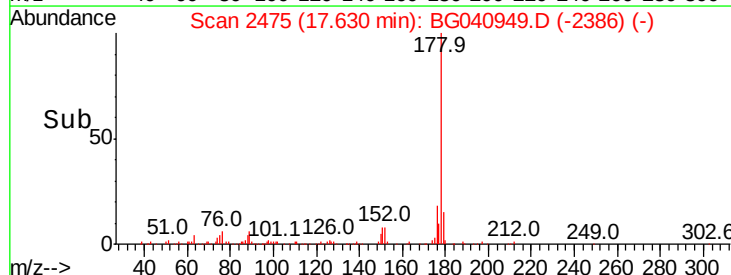
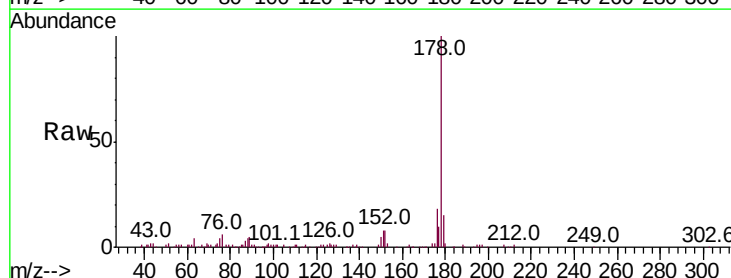
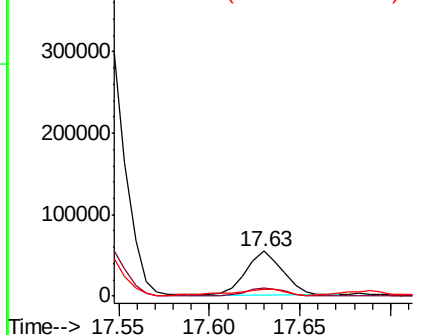
Delta R.T. -0.01 min

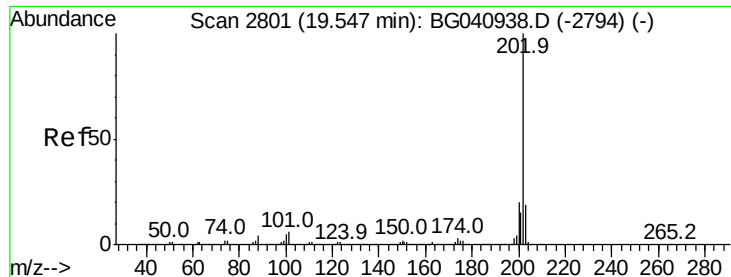
Lab File: BG040949.D

Acq: 30 May 2019 13:13

Tgt Ion:178	Resp:	77986
Ion Ratio	Lower	Upper
178	100	
176	18.1	15.6 23.4
179	15.4	13.0 19.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 43.803 ng

RT: 19.55 min Scan# 2801

Delta R.T. -0.00 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

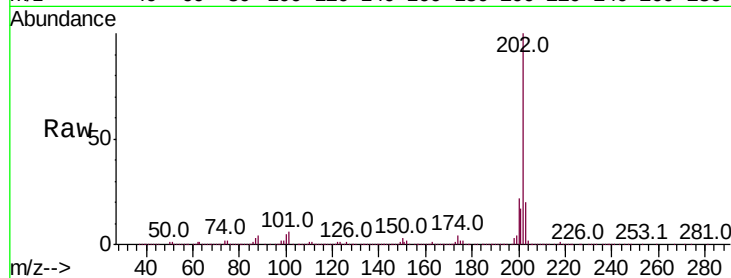
ClientSampleId :

FESB-5(4.5-5)

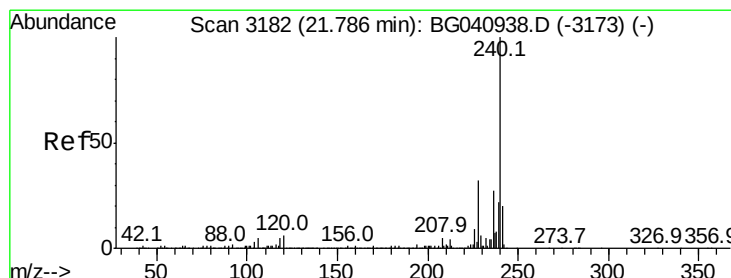
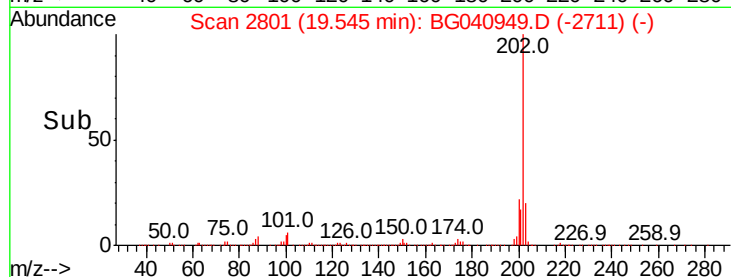
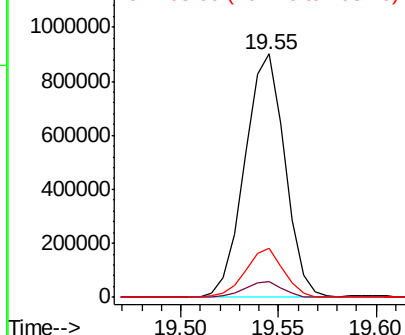
Tot Ion:	202	Resp:	1281902
Ion	Ratio	Lower	Upper
202	100		
101	6.3	0.0	26.2
203	19.9	0.0	38.7

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

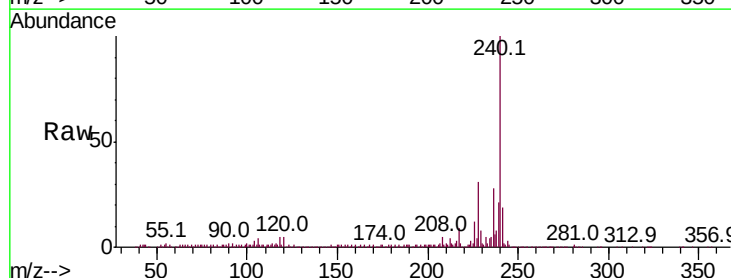
RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

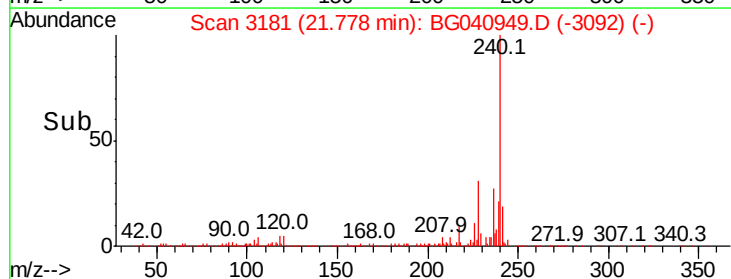
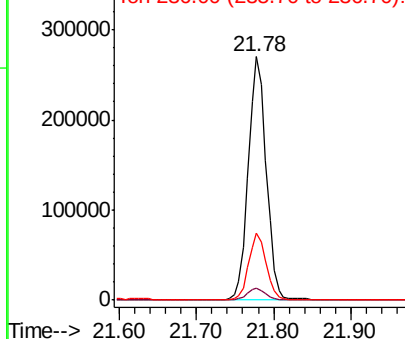
Lab File: BG040949.D

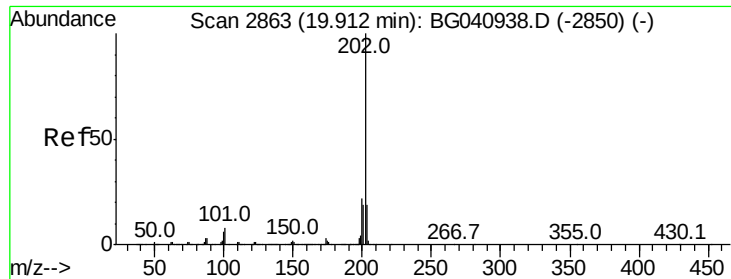
Acq: 30 May 2019 13:13

Tgt Ion:	240	Resp:	442026
Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.5	6.7
236	27.6	21.3	31.9



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 41.564 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

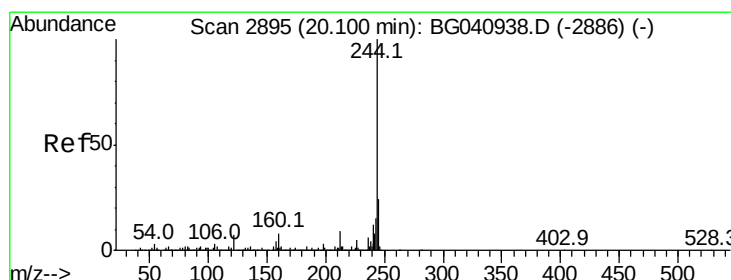
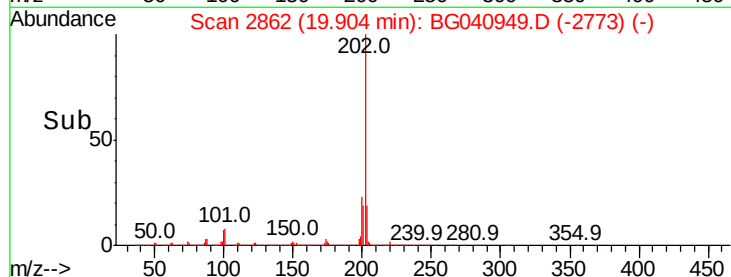
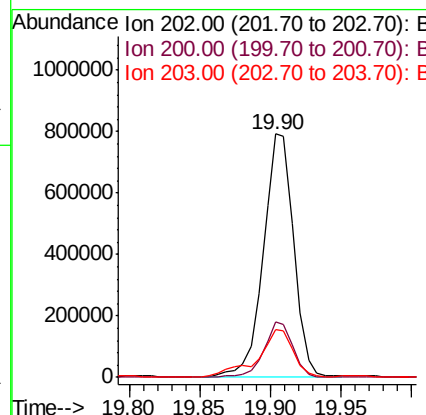
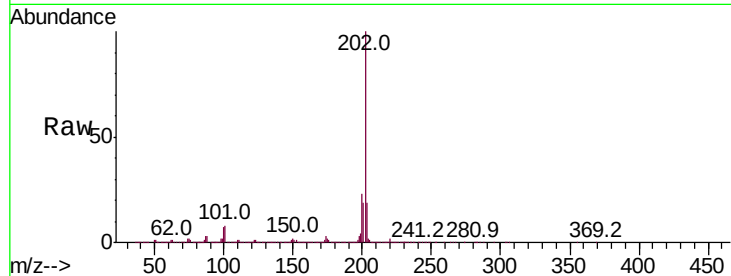
ClientSampleId :

FESB-5(4.5-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.5	26.3
203	19.5	15.6	23.4

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



#79

Terphenyl-d14

Concen: 86.378 ng

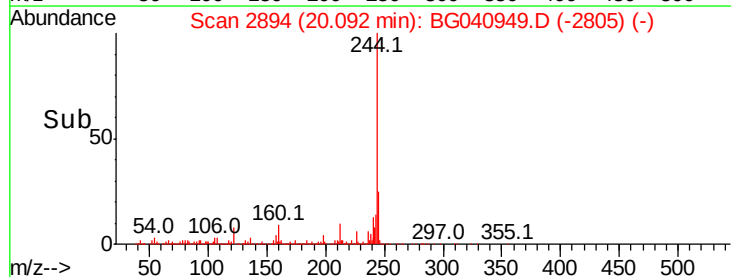
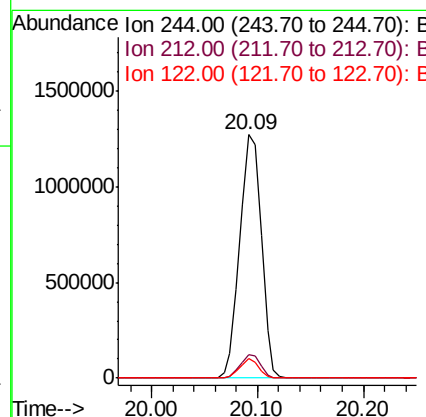
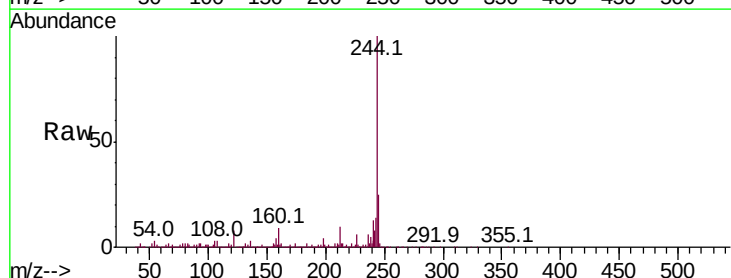
RT: 20.09 min Scan# 2894

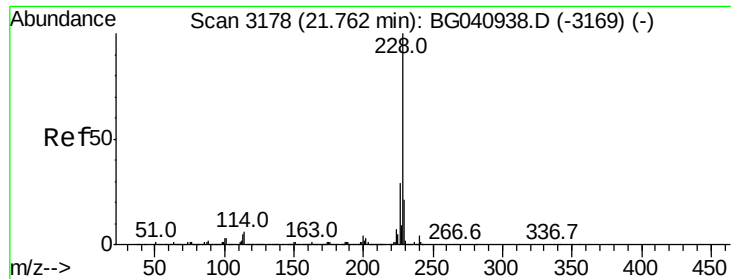
Delta R.T. -0.01 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.0	10.4
122	7.9	5.4	8.0





#81

Benzo(a)anthracene

Concen: 21.924 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

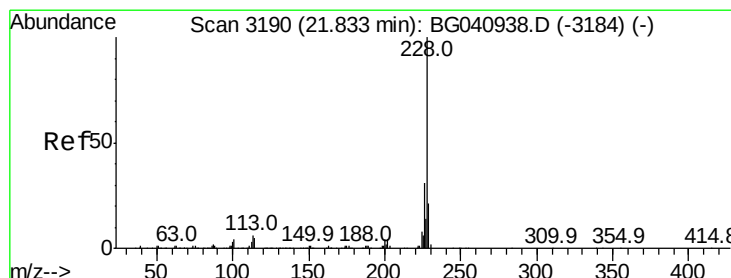
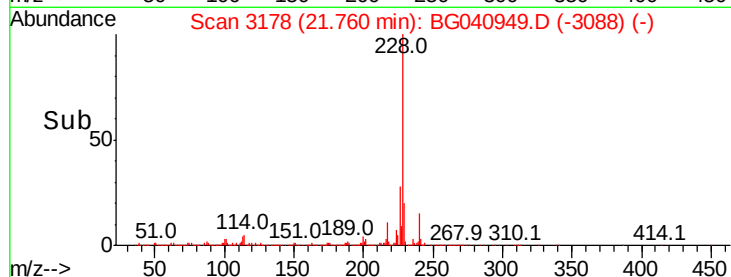
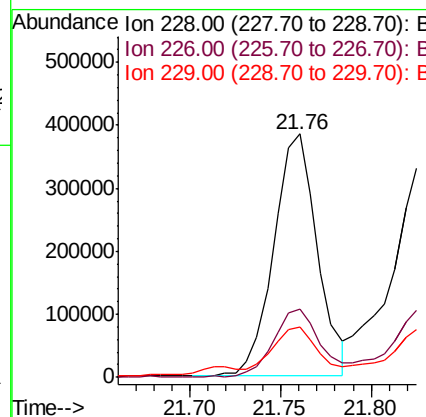
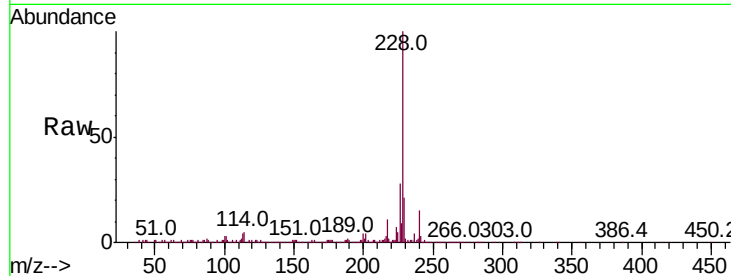
ClientSampled :

FESB-5(4.5-5)

Tot Ion:	228	Resp:	645081
Ion Ratio	Lower	Upper	
228	100		
226	28.2	23.5	35.3
229	20.6	16.7	25.1

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



#83

Chrysene

Concen: 23.823 ng m

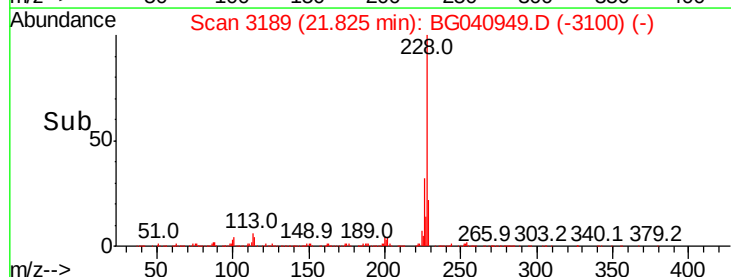
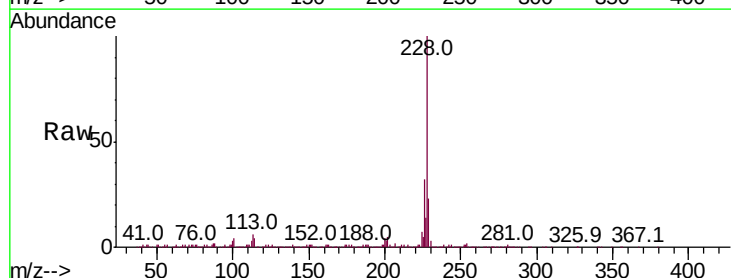
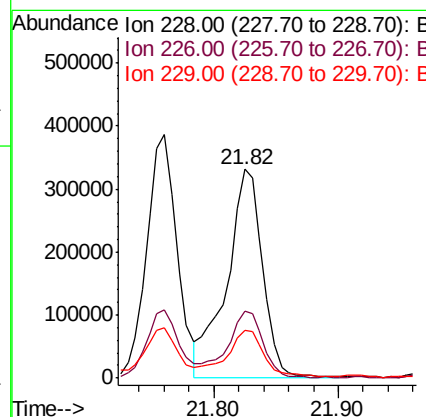
RT: 21.82 min Scan# 3189

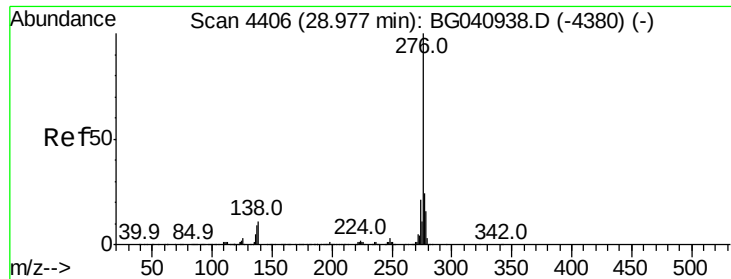
Delta R.T. -0.01 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Tgt Ion:	228	Resp:	670803
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.6	37.0
229	22.6	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 12.282 ng

RT: 28.96 min Scan# 4403

Delta R.T. -0.02 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

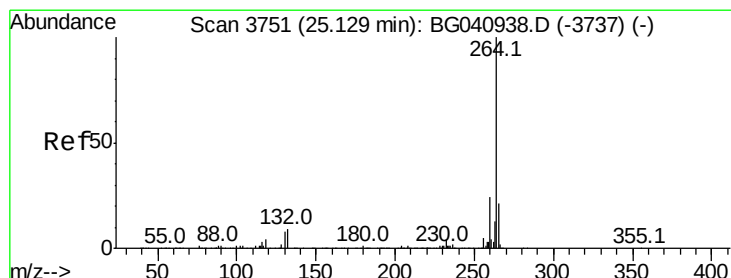
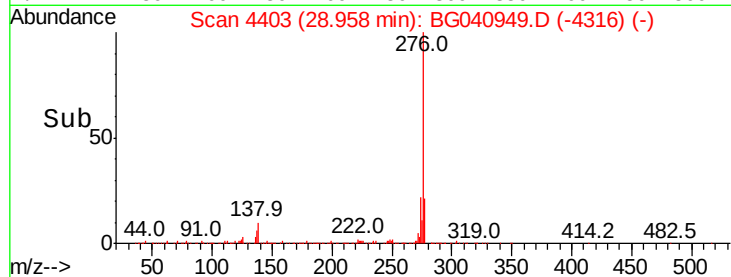
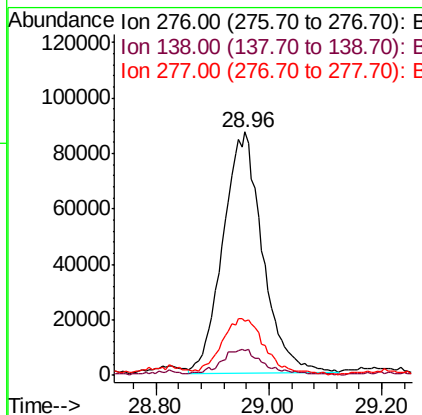
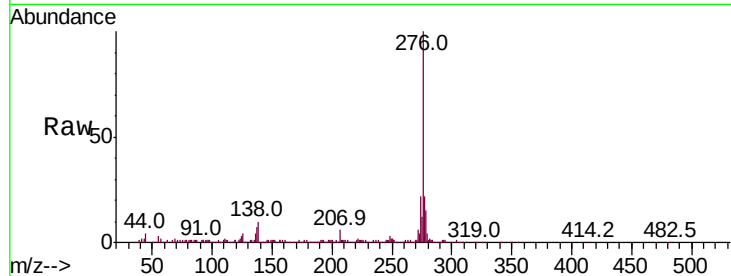
ClientSampleId :

FESB-5(4.5-5)

Tot Ion:	276	Resp:	423629
Ion Ratio	Lower	Upper	
276	100		
138	10.2	5.7	8.5#
277	25.4	20.8	31.2

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM



#87

Perylene-d12

Concen: 20.000 ng

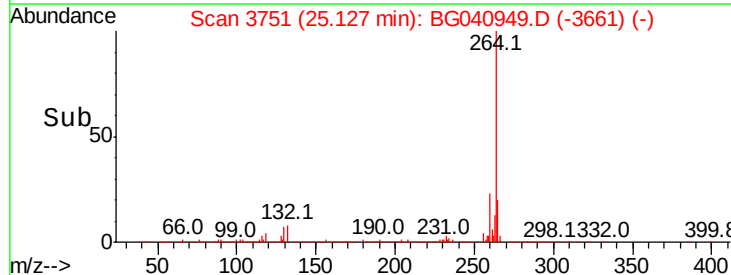
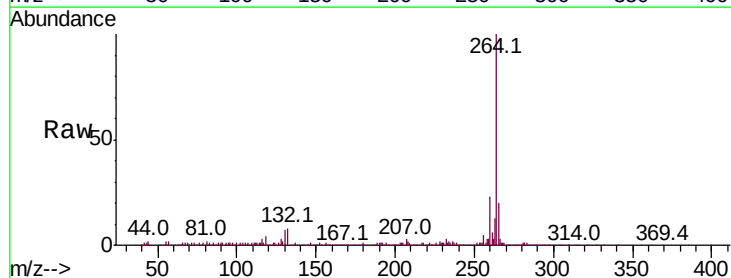
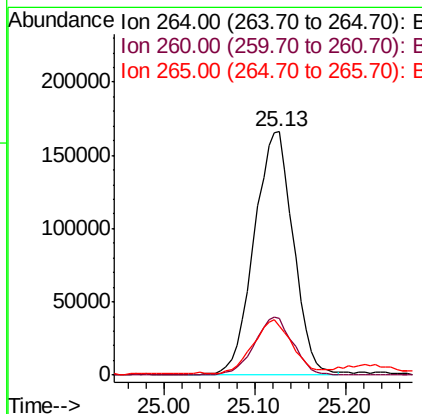
RT: 25.13 min Scan# 3751

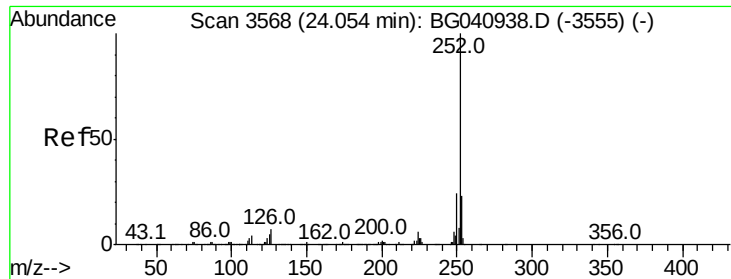
Delta R.T. -0.00 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Tgt Ion:	264	Resp:	493428
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.0	28.4
265	20.1	17.0	25.4





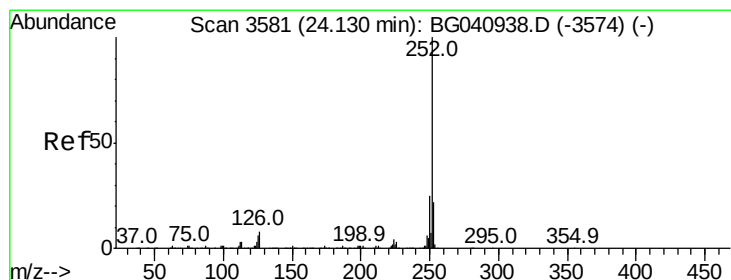
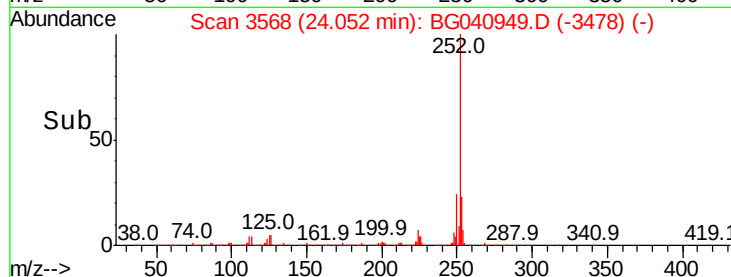
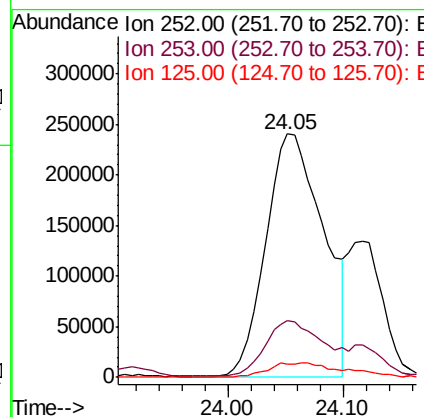
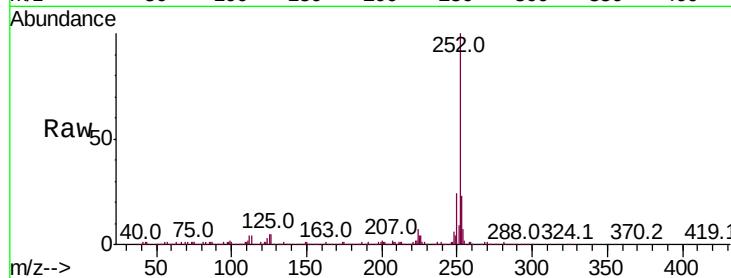
#88
Benzo(b)fluoranthene
Concen: 27.896 ng
RT: 24.05 min Scan# 3568
Delta R.T. -0.00 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Instrument :
BNA_G
ClientSampleId :
FESB-5(4.5-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	5.4	4.3	6.5

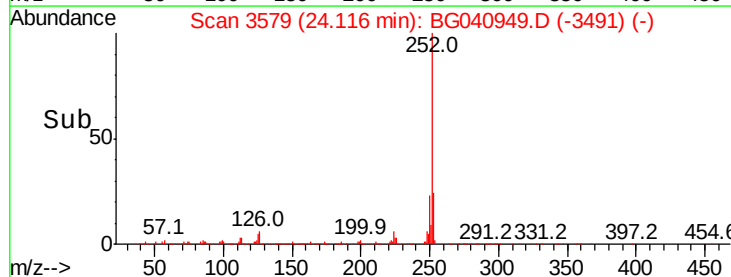
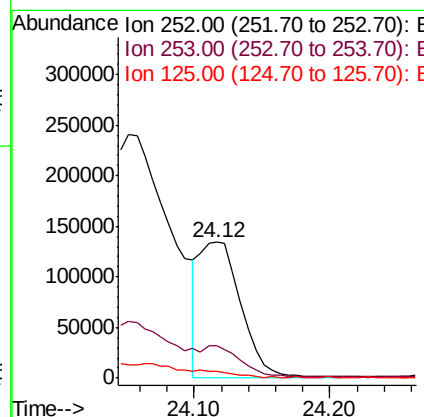
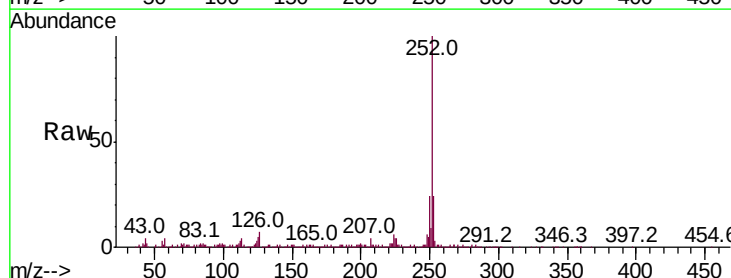
Manual Integrations
APPROVED

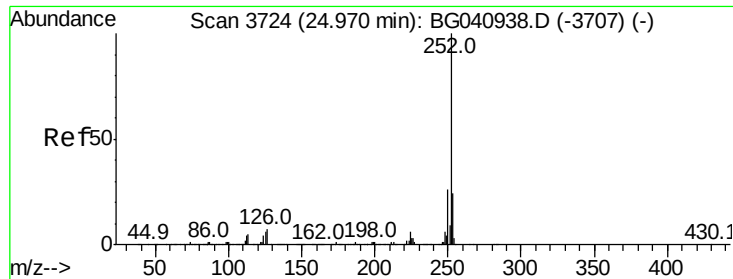
mohammad
5/31/2019 8:13:10 AM



#89
Benzo(k)fluoranthene
Concen: 9.757 ng m
RT: 24.12 min Scan# 3579
Delta R.T. -0.01 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	5.2	4.7	7.1





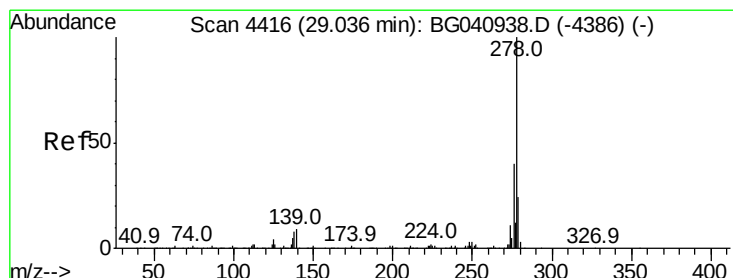
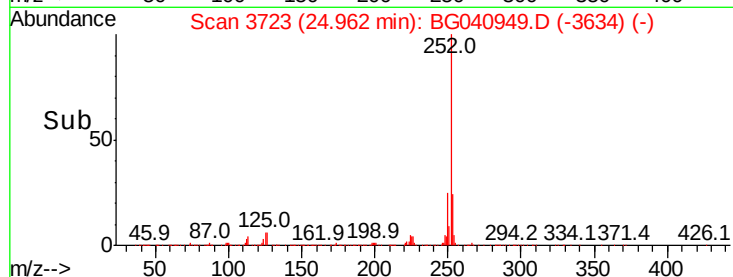
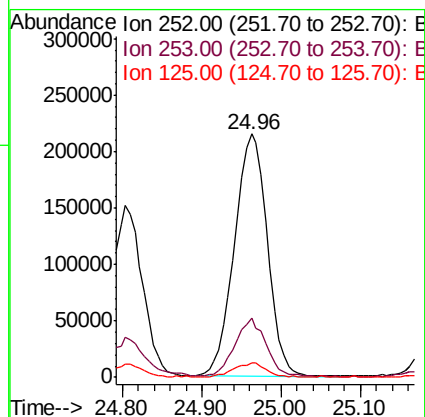
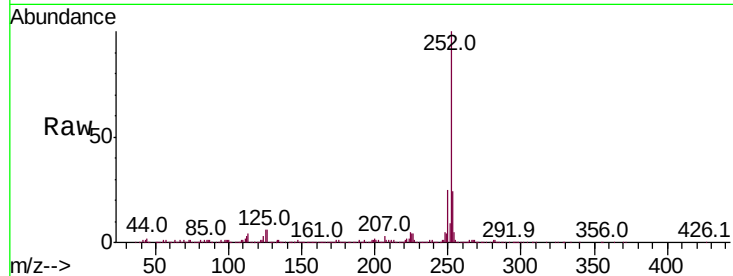
#90
Benzo(a)pyrene
Concen: 21.640 ng
RT: 24.96 min Scan# 3723
Delta R.T. -0.01 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Instrument :
BNA_G
ClientSampleId :
FESB-5(4.5-5)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	617906		
253	24.3		19.5	29.3
125	5.8		5.1	7.7

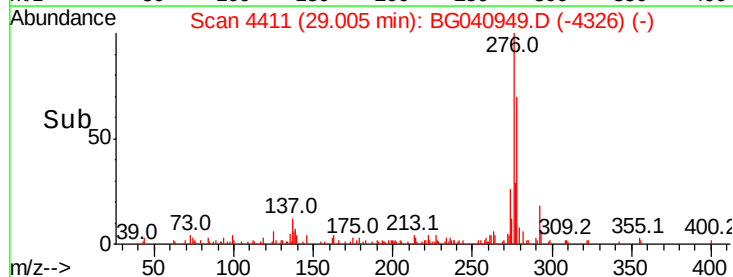
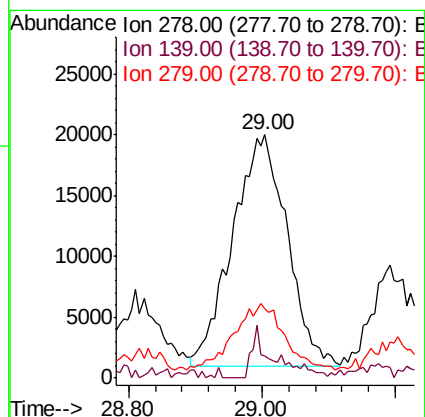
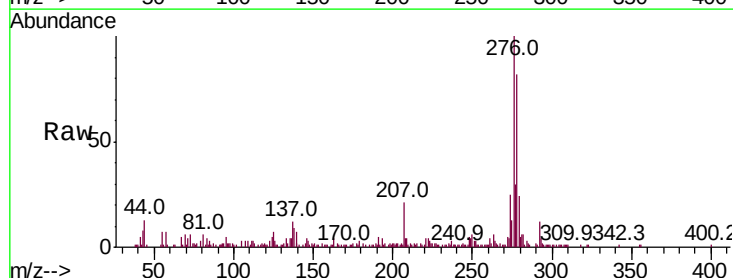
Manual Integrations
APPROVED

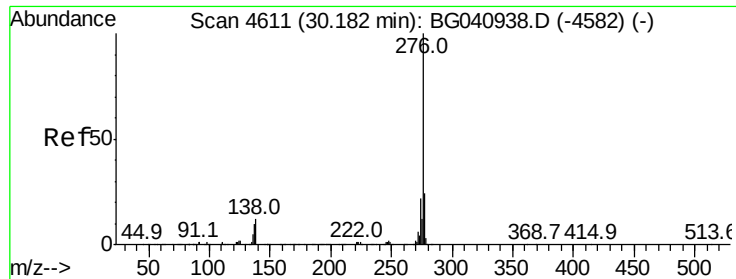
mohammad
5/31/2019 8:13:10 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.808 ng m
RT: 29.00 min Scan# 4411
Delta R.T. -0.03 min
Lab File: BG040949.D
Acq: 30 May 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	108650		
139	8.9		7.1	10.7
279	28.7		19.4	29.2





#92

Benzo(a,h,i)perylene

Concen: 14.346 ng

RT: 30.17 min Scan# 4609

Delta R.T. -0.01 min

Lab File: BG040949.D

Acq: 30 May 2019 13:13

Instrument :

BNA_G

ClientSampleId :

FESB-5(4.5-5)

Tot Ion:	276	Resp:	397638
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.4	29.0
138	10.4	9.7	14.5

Manual Integrations
APPROVED

mohammad
5/31/2019 8:13:10 AM

