

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046376.D
 Acq On : 20 Aug 2020 13:14
 Operator : CG/JU
 Sample : L3634-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMF2

Manual Integrations
 APPROVED

mohammad
 8/21/2020 12:47:24 PM

Quant Time: Aug 20 14:01:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 11:14:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	85667	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	346817	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	229092	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	528716	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	531176	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	562090	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	136984	22.94	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	515403	24.45	ng/ul	0.00
10) Fluorene-d10	15.56	176	388647	24.06	ng/ul	0.00
15) Anthracene-d10	17.41	188	555127	22.65	ng/ul	0.00
19) Pyrene-d10	19.69	212	662176	24.22	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	727405	23.71	ng/ul	0.00

Target Compounds				Qvalue		
4) Naphthalene	10.79	128	26189	1.452	ng/ul	99
5) 2-Methylnaphthalene	12.40	142	15652	1.138	ng/ul	91
8) Acenaphthylene	14.29	152	26394	1.231	ng/ul	95
9) Acenaphthene	14.63	153	23676	1.547	ng/ul	96
11) Fluorene	15.61	166	36213	2.023	ng/ul	96
14) Phenanthrene	17.35	178	713112	24.517	ng/ul	99
16) Anthracene	17.44	178	95949	3.269	ng/ul	98
17) Fluoranthene	19.36	202	1170921	36.103	ng/ul	99
20) Pyrene	19.72	202	1052498	30.186	ng/ul	99
21) Benzo(a)anthracene	21.54	228	530403	15.347	ng/ul	99
22) Chrysene	21.60	228	639139	19.131	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	898042	24.160	ng/ul	99
25) Benzo(k)fluoranthene	23.75	252	289723m	7.858	ng/ul	
27) Benzo(a)pyrene	24.52	252	564223	16.534	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.18	276	418051	9.784	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	95775	2.765	ng/ul	96
30) Benzo(g,h,i)perylene	29.27	276	254084	7.105	ng/ul	99

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

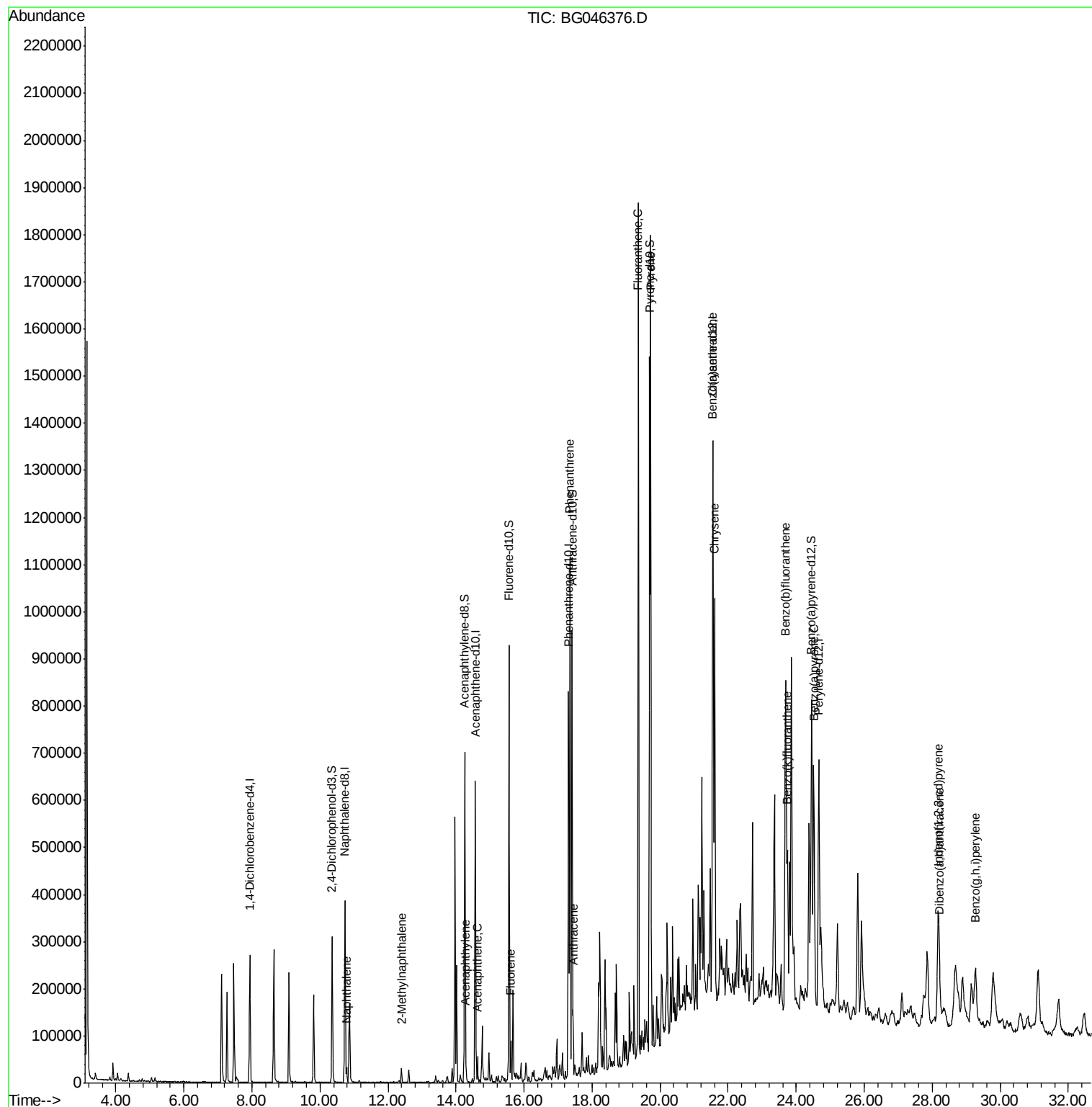
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046376.D
Acq On : 20 Aug 2020 13:14
Operator : CG/JU
Sample : L3634-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

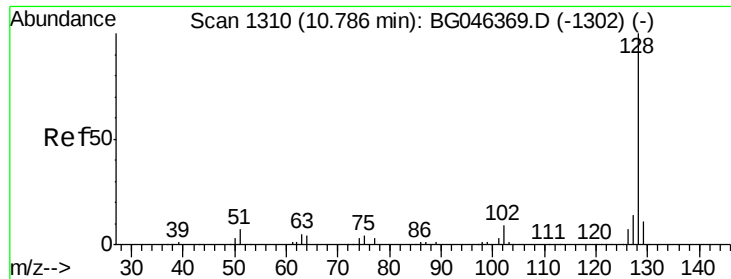
Instrument :
BNA_G
ClientSampleId :
BFMF2

Quant Time: Aug 20 14:01:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 11:14:19 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/21/2020 12:47:24 PM





#4

Naphthalene

Concen: 1.452 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046376.D

Acq: 20 Aug 2020 13:14

Instrument :

BNA_G

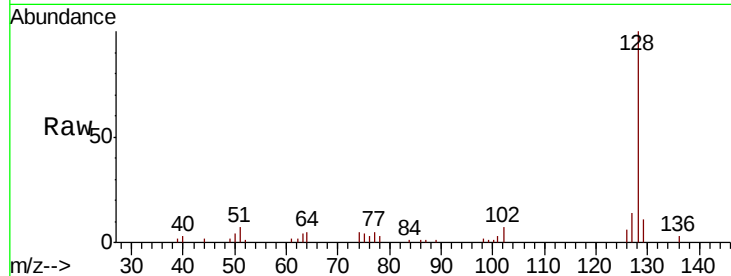
ClientSampleId :

BFMF2

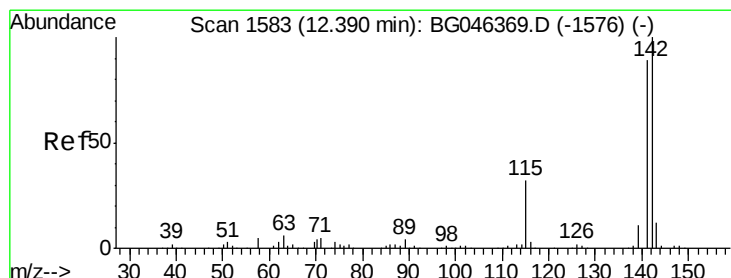
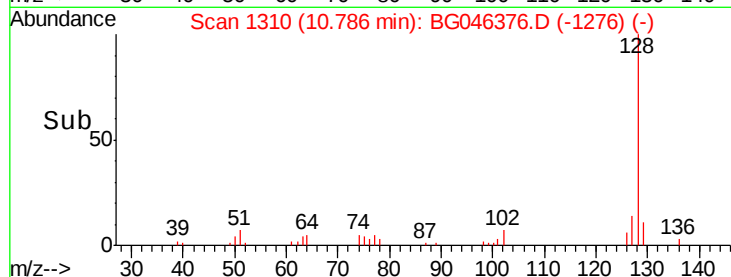
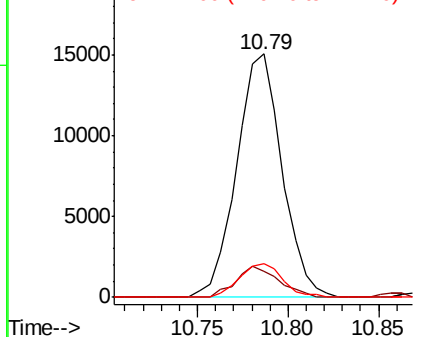
Tot Ion:	128	Resp:	26189
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	13.7	10.9	16.3

Manual Integrations
APPROVED

mohammad
8/21/2020 12:47:24 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.138 ng/ul

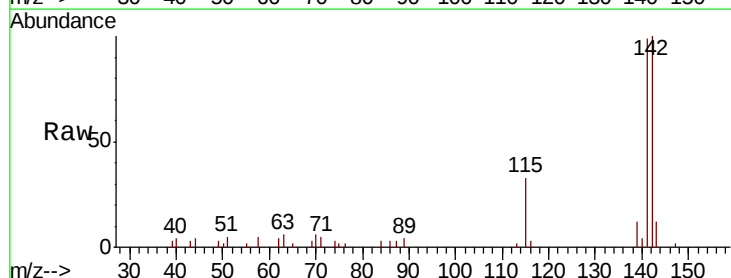
RT: 12.40 min Scan# 1584

Delta R.T. 0.01 min

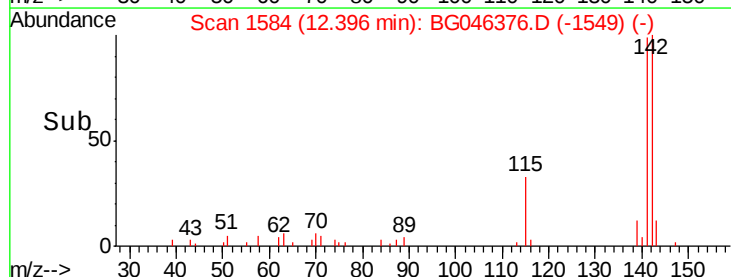
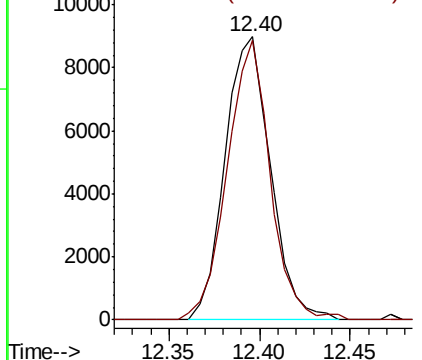
Lab File: BG046376.D

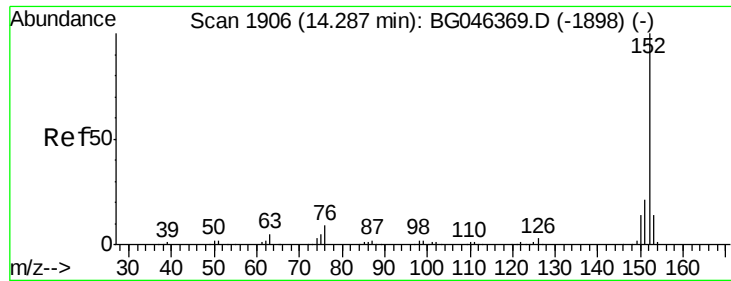
Acq: 20 Aug 2020 13:14

Tgt Ion:	142	Resp:	15652
Ion Ratio	Lower	Upper	
142	100		
141	98.8	72.5	108.7



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





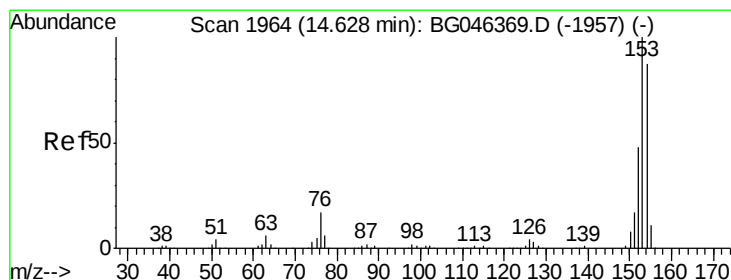
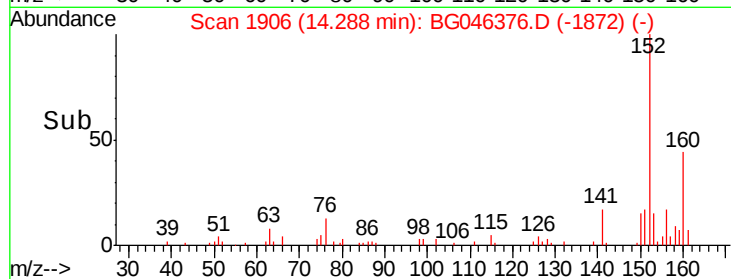
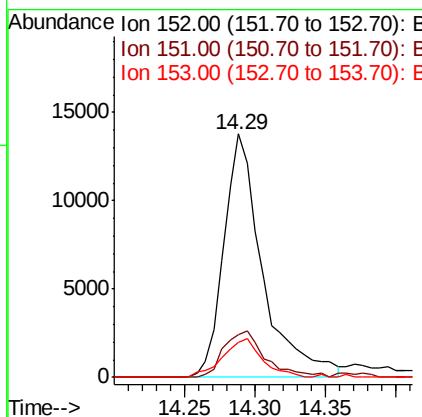
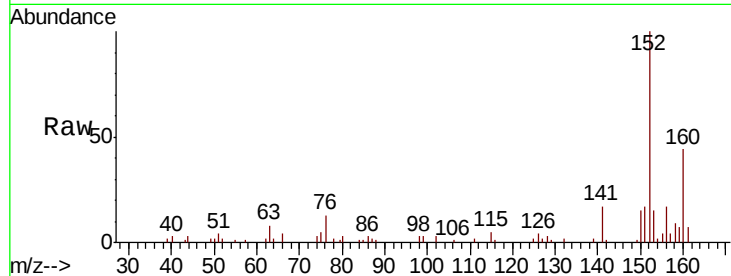
#8
Acenaphthylene
Concen: 1.231 ng/ul
RT: 14.29 min Scan# 1906
Delta R.T. 0.00 min
Lab File: BG046376.D
Acq: 20 Aug 2020 13:14

Instrument :
BNA_G
ClientSampleId :
BFMF2

Tot Ion:	152	Resp:	26394
Ion Ratio	Lower	Upper	
152	100		
151	17.4	16.5	24.7
153	14.5	11.0	16.6

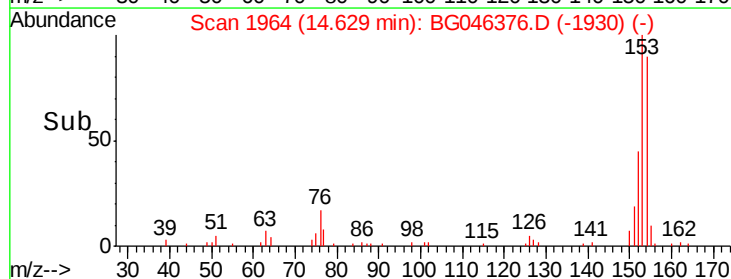
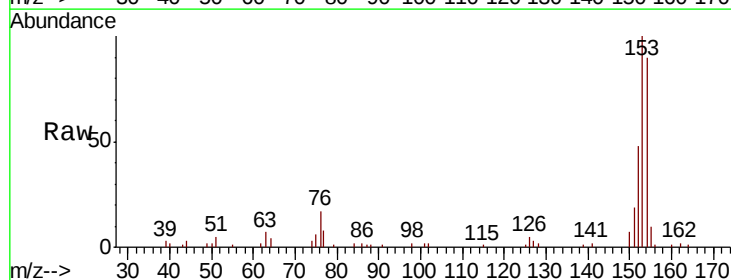
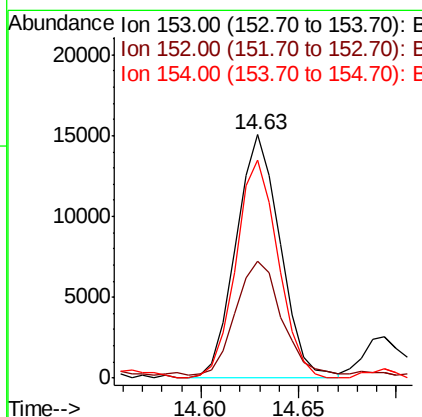
Manual Integrations
APPROVED

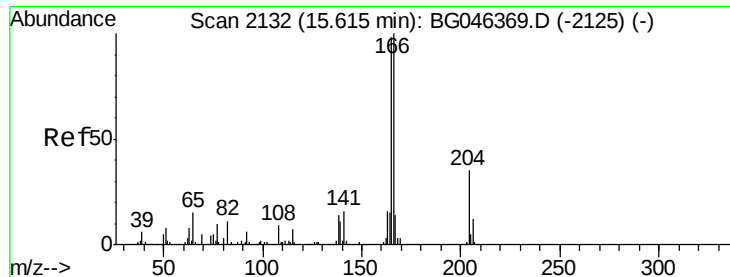
mohammad
8/21/2020 12:47:24 PM



#9
Acenaphthene
Concen: 1.547 ng/ul
RT: 14.63 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BG046376.D
Acq: 20 Aug 2020 13:14

Tgt Ion:	153	Resp:	23676
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.2	55.8
154	89.7	67.8	101.6





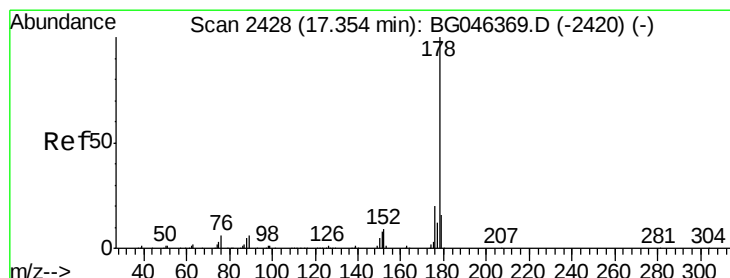
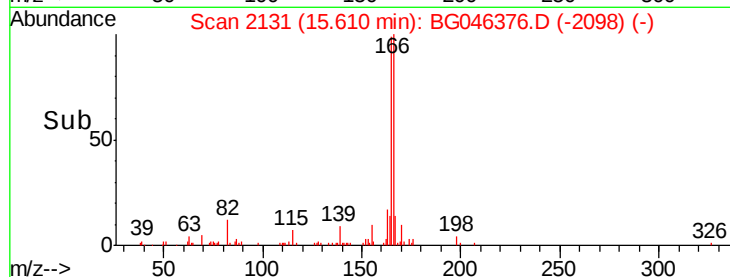
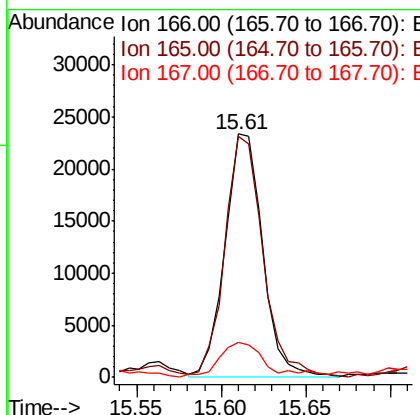
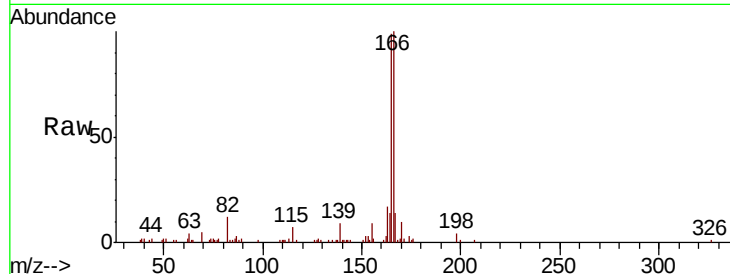
#11
Fluorene
 Concen: 2.023 ng/ul
 RT: 15.61 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG046376.D
 Acq: 20 Aug 2020 13:14

Instrument :
 BNA_G
 ClientSampleId :
 BFMF2

Tot Ion:	166	Resp:	36213
Ion Ratio	Lower	Upper	
166	100		
165	99.0	75.9	113.9
167	14.2	10.7	16.1

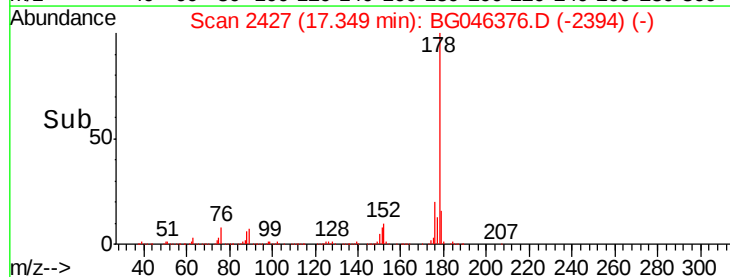
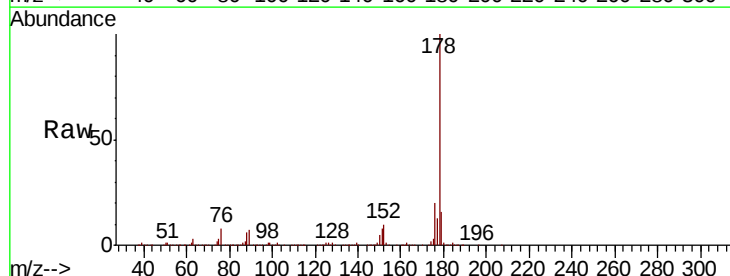
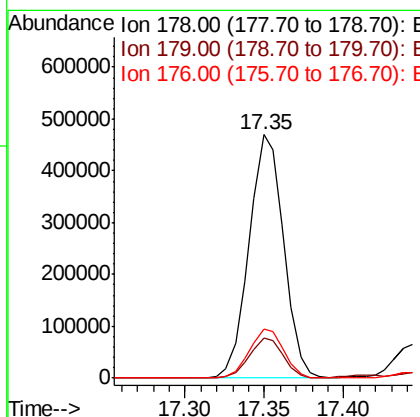
Manual Integrations
 APPROVED

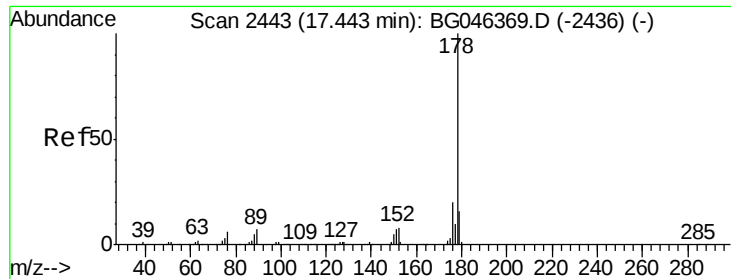
mohammad
 8/21/2020 12:47:24 PM



#14
Phenanthrene
 Concen: 24.517 ng/ul
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BG046376.D
 Acq: 20 Aug 2020 13:14

Tgt Ion:	178	Resp:	713112
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.8	19.2
176	20.3	15.8	23.8





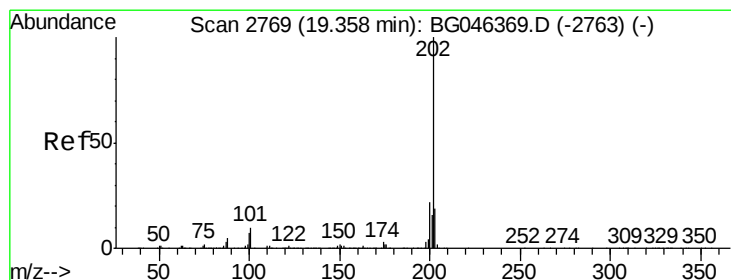
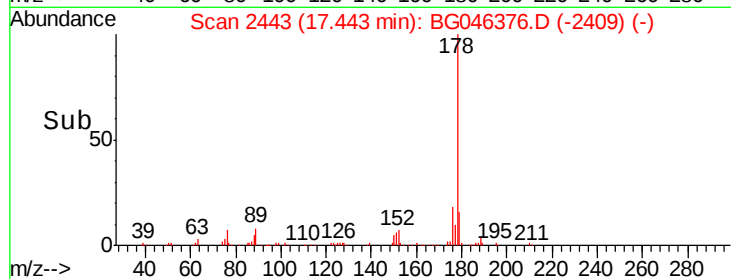
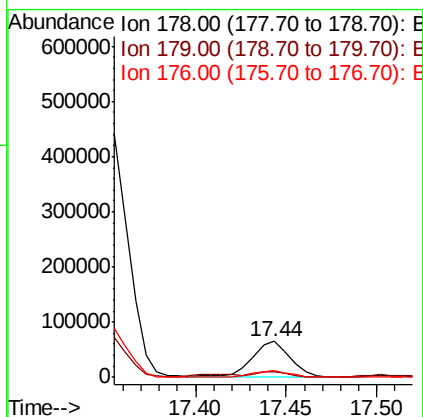
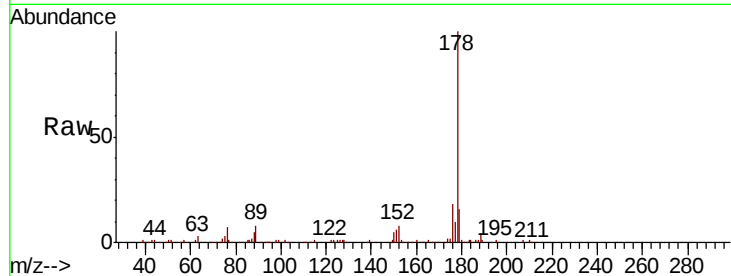
#16
 Anthracene
 Concen: 3.269 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG046376.D
 Acq: 20 Aug 2020 13:14

Instrument :
 BNA_G
 ClientSampled :
 BFMF2

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	13.2	19.8
176	17.5	15.2	22.8

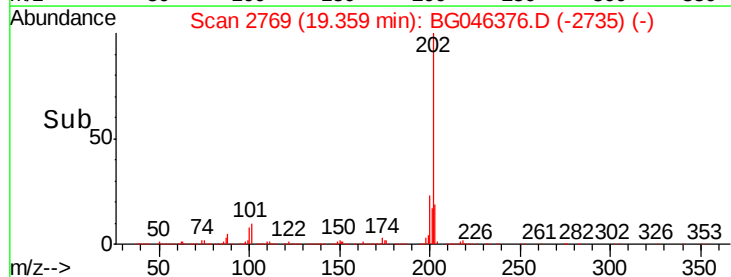
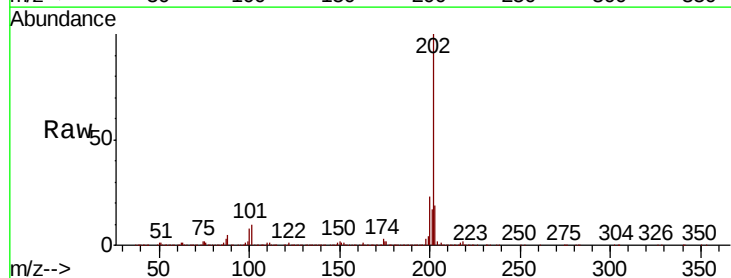
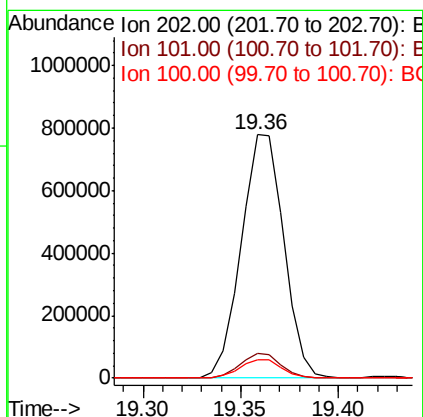
Manual Integrations
 APPROVED

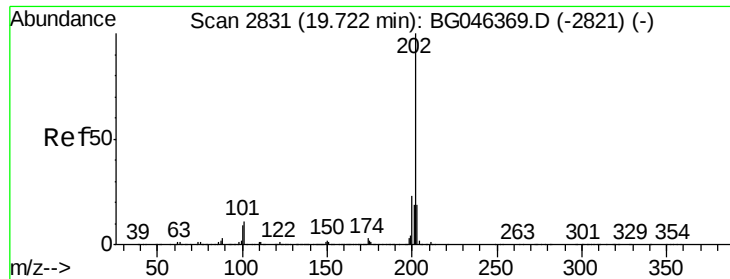
mohammad
 8/21/2020 12:47:24 PM



#17
 Fluoranthene
 Concen: 36.103 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: BG046376.D
 Acq: 20 Aug 2020 13:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.8	11.6
100	7.6	5.9	8.9





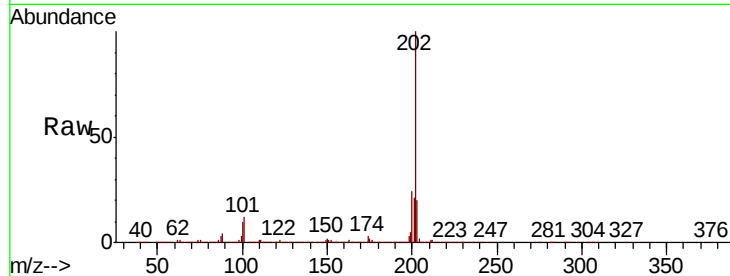
#20
Pvrene
Concen: 30.186 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046376.D
Acq: 20 Aug 2020 13:14

Instrument :
BNA_G
ClientSampleId :
BFMF2

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	9.8	7.9	11.9

Manual Integrations
APPROVED

mohammad
8/21/2020 12:47:24 PM

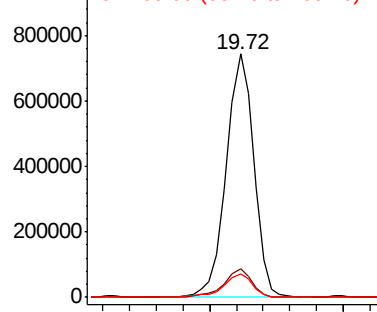


Abundance

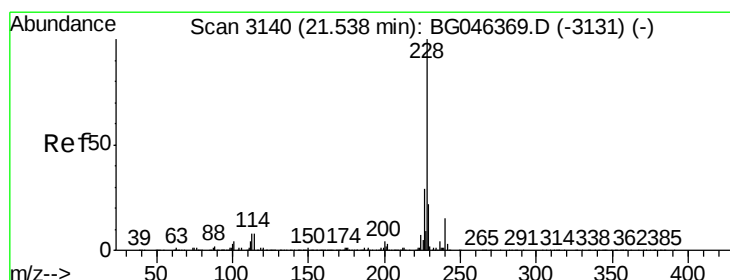
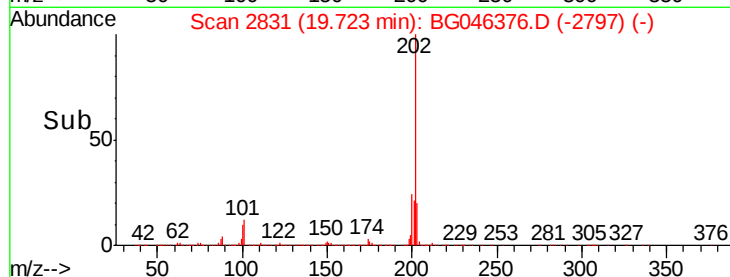
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

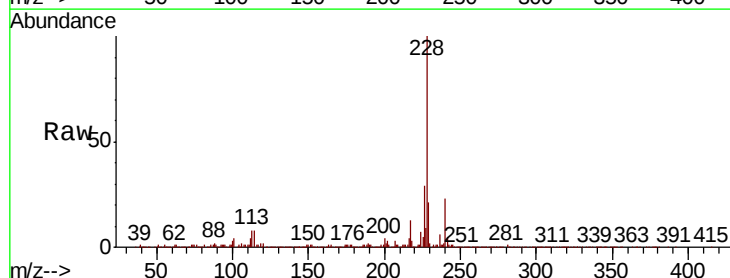


Time-->



#21
Benzo(a)anthracene
Concen: 15.347 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG046376.D
Acq: 20 Aug 2020 13:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.6	25.0
226	28.9	22.6	33.8

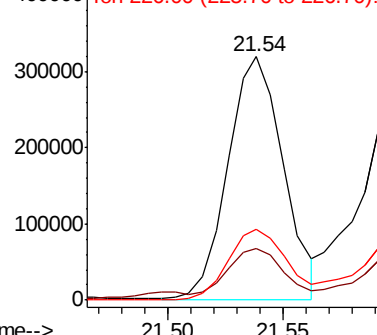


Abundance

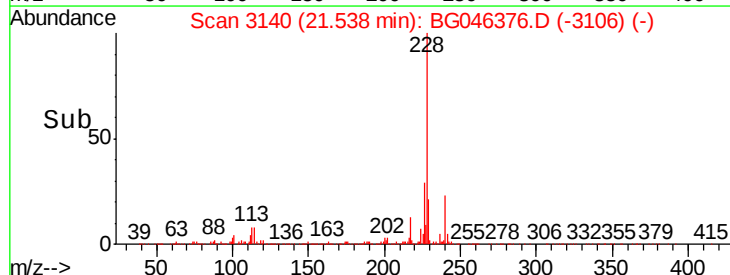
Ion 228.00 (227.70 to 228.70): E

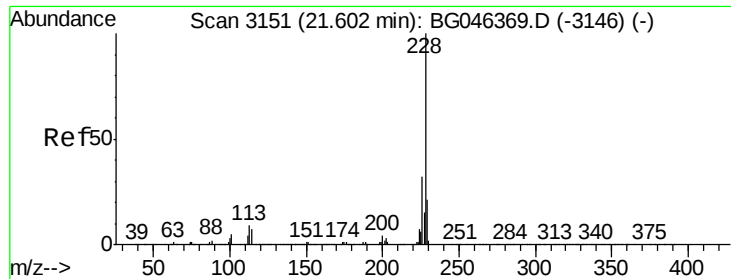
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->





#22

Chrysene

Concen: 19.131 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046376.D

Acq: 20 Aug 2020 13:14

Instrument :

BNA_G

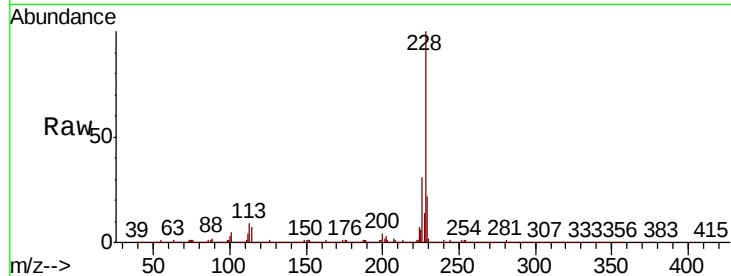
ClientSampleId :

BFMF2

Tot Ion:	228	Resp:	639139
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.5	38.3
229	22.0	17.0	25.4

Manual Integrations
APPROVED

mohammad
8/21/2020 12:47:24 PM

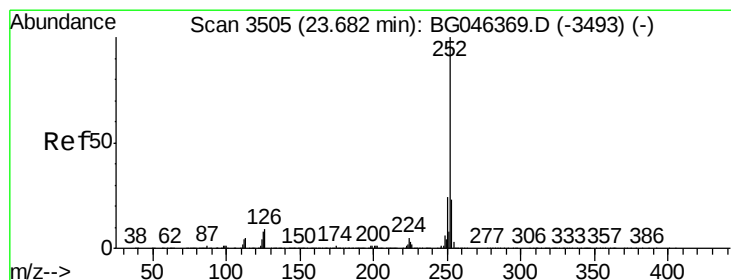
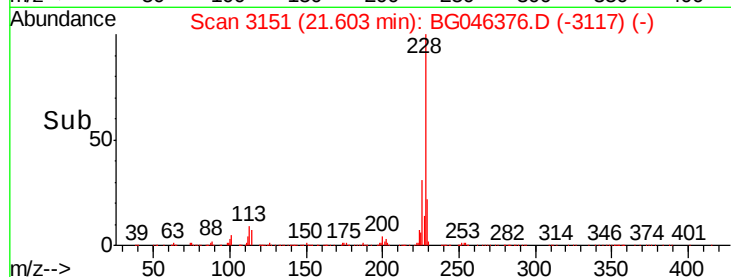
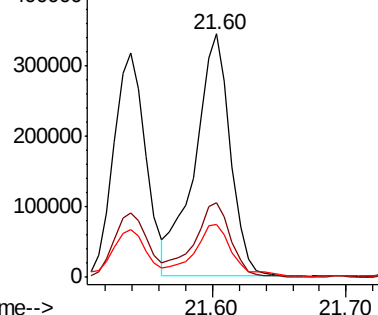


Abundance

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



#24

Benzo(b)fluoranthene

Concen: 24.160 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.01 min

Lab File: BG046376.D

Acq: 20 Aug 2020 13:14

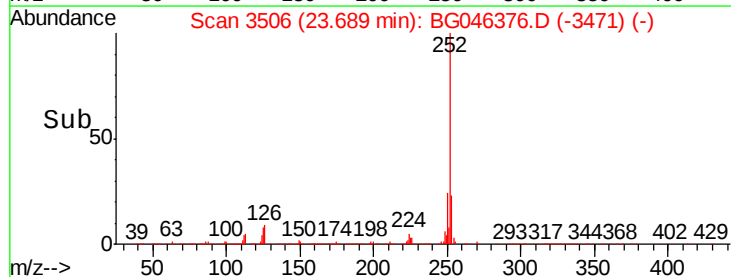
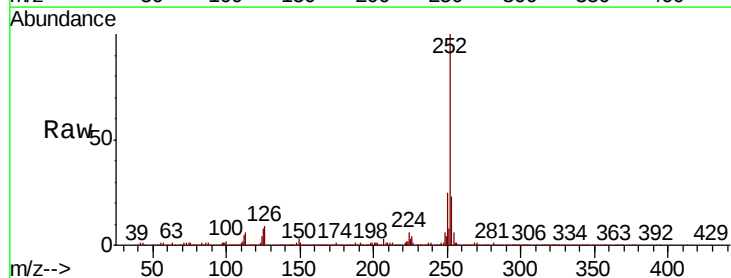
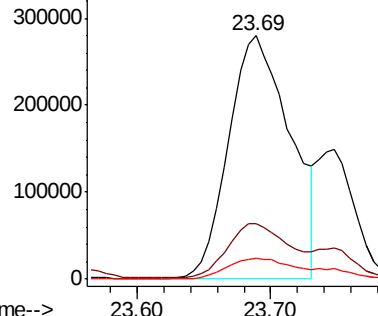
Tgt Ion:	252	Resp:	898042
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	8.4	6.4	9.6

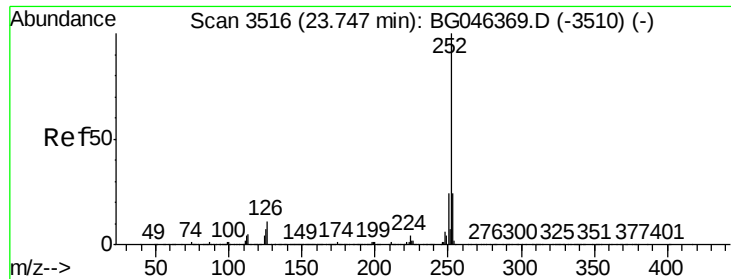
Abundance

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





#25

Benzo(k)fluoranthene

Concen: 7.858 ng/ul

RT: 23.75 min Scan# 3516

Delta R.T. 0.00 min

Lab File: BG046376.D

Acq: 20 Aug 2020 13:14

Instrument :

BNA_G

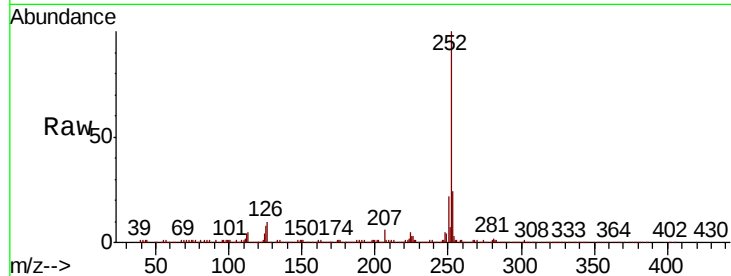
ClientSampleId :

BFMF2

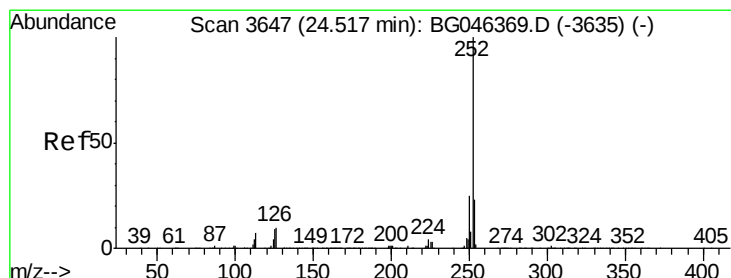
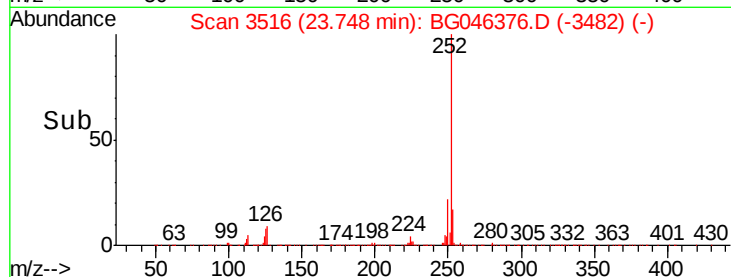
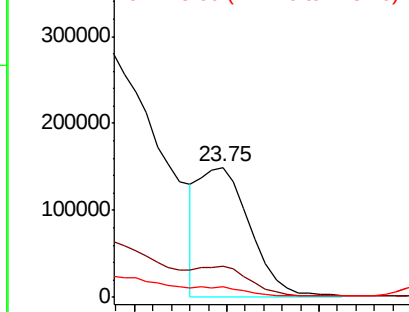
Tot Ion:	252	Resp:	289723
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.5	27.7
125	8.1	6.2	9.2

Manual Integrations
APPROVED

mohammad
8/21/2020 12:47:24 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



#27

Benzo(a)pyrene

Concen: 16.534 ng/ul

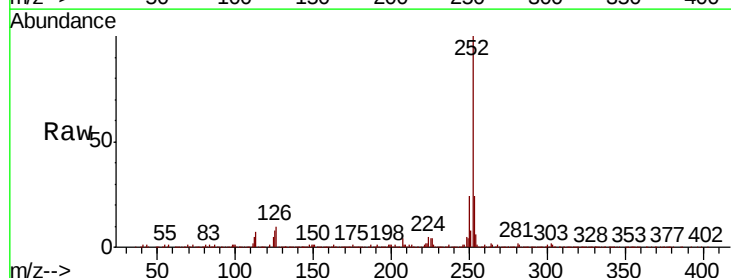
RT: 24.52 min Scan# 3647

Delta R.T. 0.00 min

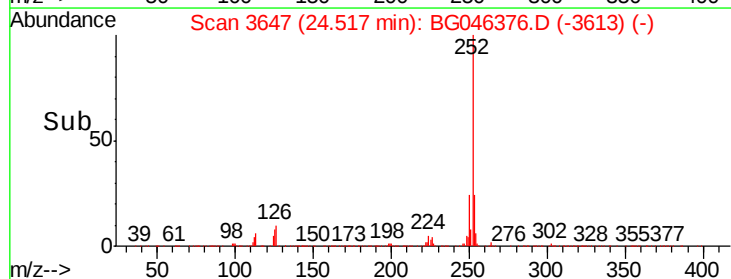
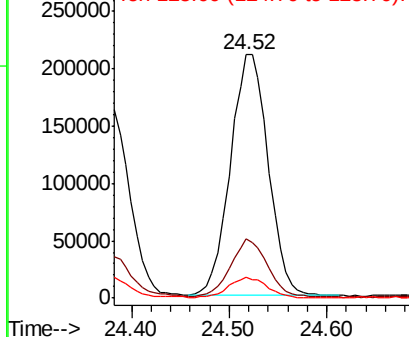
Lab File: BG046376.D

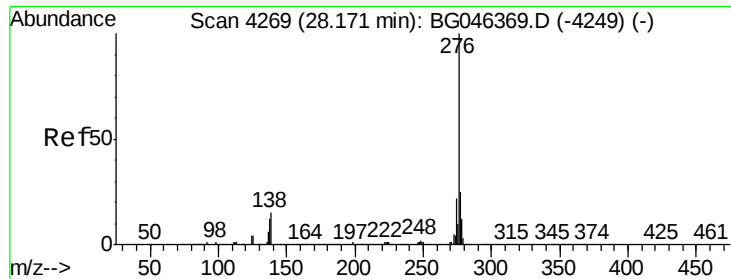
Acq: 20 Aug 2020 13:14

Tgt Ion:	252	Resp:	564223
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.8
125	8.5	7.1	10.7



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





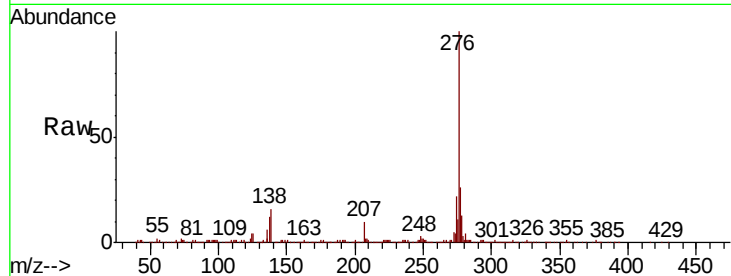
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 9.784 ng/ul
 RT: 28.18 min Scan# 4270
 Delta R.T. 0.01 min
 Lab File: BG046376.D
 Acq: 20 Aug 2020 13:14

Instrument :
 BNA_G
 ClientSampled :
 BFMF2

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	25.8	19.9	29.9

Manual Integrations
 APPROVED

mohammad
 8/21/2020 12:47:24 PM

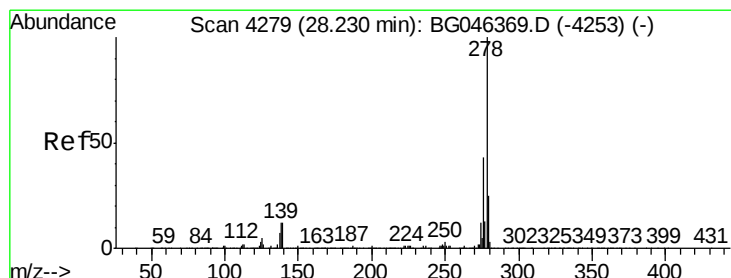
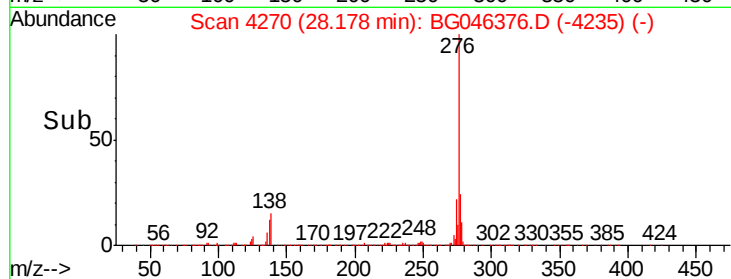
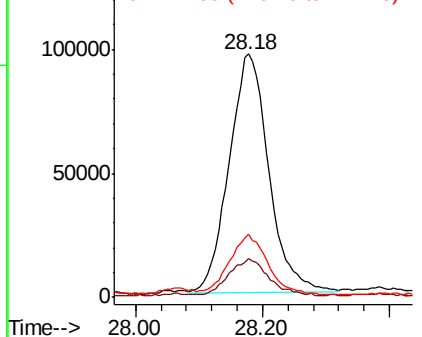


Abundance

Ion 276.00 (275.70 to 276.70): E

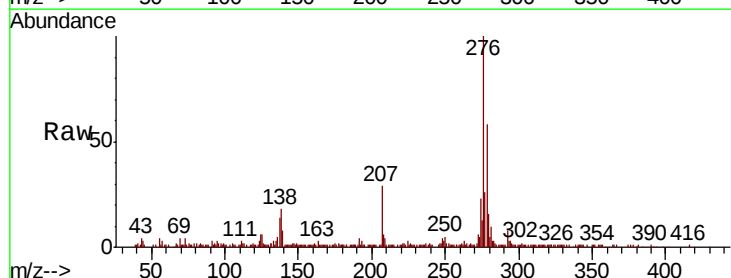
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#29
 Dibenzo(a,h)anthracene
 Concen: 2.765 ng/ul
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.01 min
 Lab File: BG046376.D
 Acq: 20 Aug 2020 13:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	9.8	14.8
279	27.1	19.7	29.5

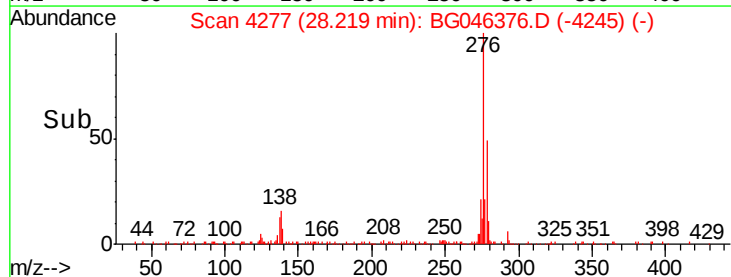
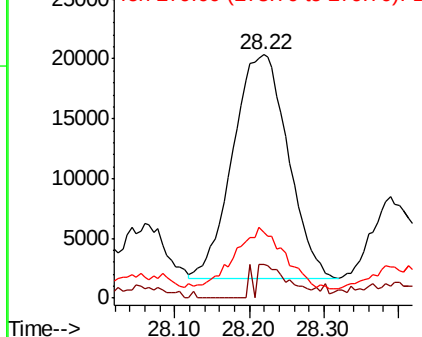


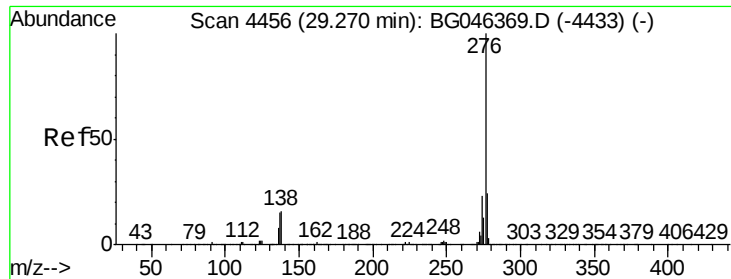
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





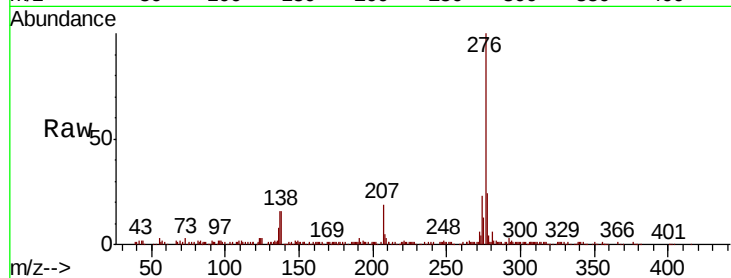
#30
 Benzo(a,h,i)perylene
 Concen: 7.105 ng/ul
 RT: 29.27 min Scan# 4456
 Delta R.T. 0.00 min
 Lab File: BG046376.D
 Acq: 20 Aug 2020 13:14

Instrument :
 BNA_G
 ClientSampleId :
 BFMF2

Tot Ion:	276	Resp:	254084
Ion Ratio	Lower	Upper	
276	100		
138	16.4	12.9	19.3
277	24.5	19.4	29.0

Manual Integrations
 APPROVED

mohammad
 8/21/2020 12:47:24 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

