

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046367.D
 Acq On : 20 Aug 2020 6:09
 Operator : CG/JU
 Sample : L3633-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMA0

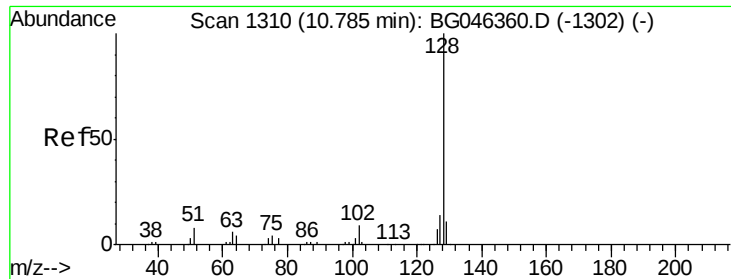
Manual Integrations
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mohammad
 8/20/2020 12:23:39 PM

Quant Time: Aug 20 07:11:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 04:05:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	108509	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	437248	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	291227	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	663367	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	664910	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	721925	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	160221	21.28	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	590513	22.03	ng/ul	0.00
10) Fluorene-d10	15.56	176	461623	22.48	ng/ul	0.00
15) Anthracene-d10	17.41	188	667597	21.71	ng/ul	0.00
19) Pyrene-d10	19.70	212	794343	23.21	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	908845	23.07	ng/ul	0.01
Target Compounds						
					Qvalue	
4) Naphthalene	10.78	128	26384	1.160	ng/ul	99
8) Acenaphthylene	14.29	152	105701	3.879	ng/ul	100
9) Acenaphthene	14.63	153	29085	1.495	ng/ul	95
11) Fluorene	15.61	166	48890	2.149	ng/ul	95
14) Phenanthrene	17.35	178	1424035	39.021	ng/ul	95
16) Anthracene	17.44	178	182383	4.953	ng/ul	99
17) Fluoranthene	19.37	202	2042187	50.185	ng/ul	97
20) Pyrene	19.73	202	2163534m	49.571	ng/ul	
21) Benzo(a)anthracene	21.54	228	957705	22.138	ng/ul	94
22) Chrysene	21.61	228	998424	23.874	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	1298159	27.192	ng/ul	97
25) Benzo(k)fluoranthene	23.75	252	414633m	8.756	ng/ul	
27) Benzo(a)pyrene	24.53	252	964154	21.998	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.18	276	655299	11.941	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	143002m	3.214	ng/ul	
30) Benzo(g,h,i)perylene	29.27	276	527047	11.476	ng/ul	99

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



#4

Naphthalene

Concen: 1.160 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

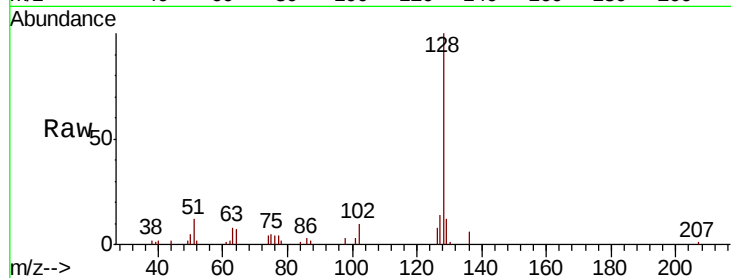
ClientSampleId :

BFMA0

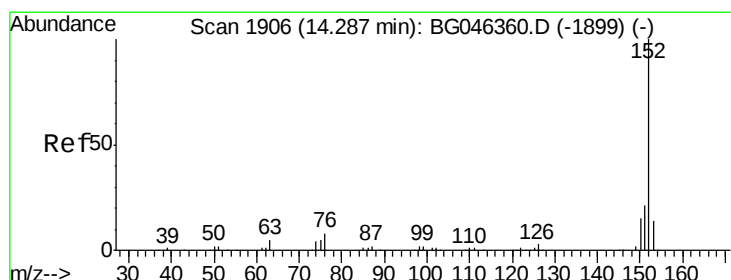
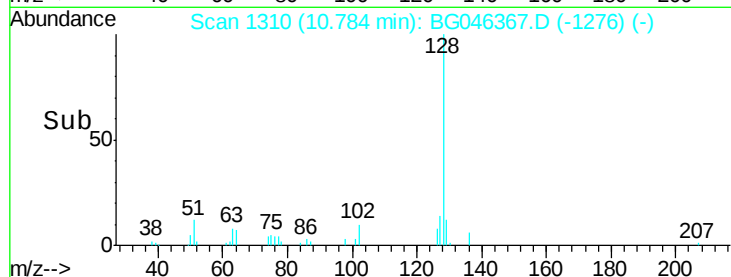
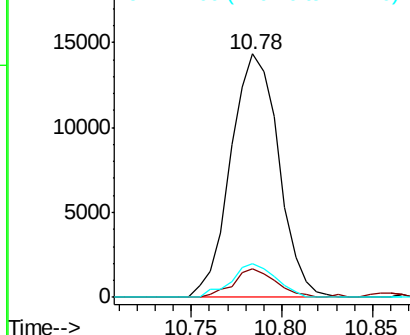
Tot Ion:128	Resp:	26384
Ion Ratio	Lower	Upper
128 100		
129 12.0	9.0	13.6
127 13.7	10.9	16.3

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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



#8

Acenaphthylene

Concen: 3.879 ng/ul

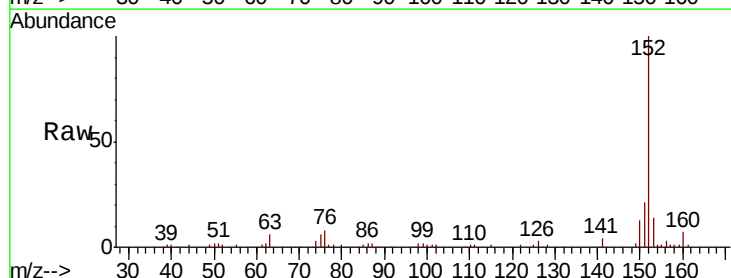
RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

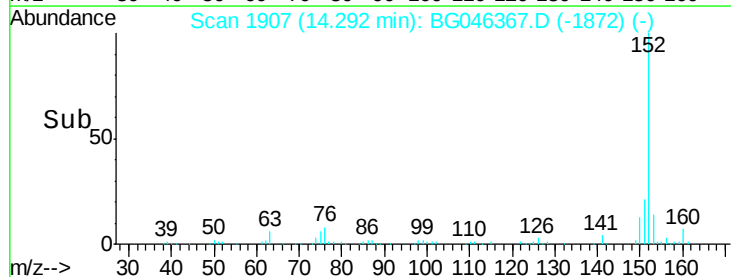
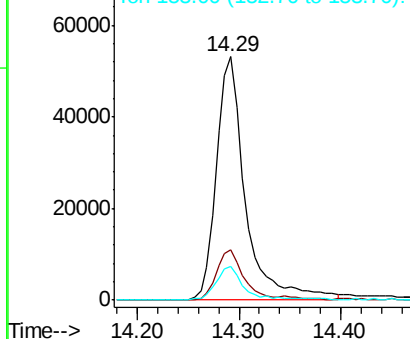
Lab File: BG046367.D

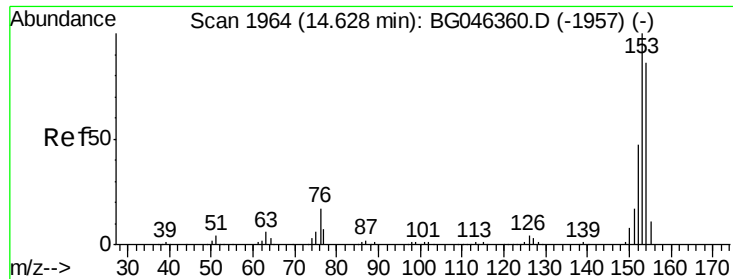
Acq: 20 Aug 2020 6:09

Tgt Ion:152	Resp:	105701
Ion Ratio	Lower	Upper
152 100		
151 20.6	16.5	24.7
153 13.8	11.0	16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.495 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

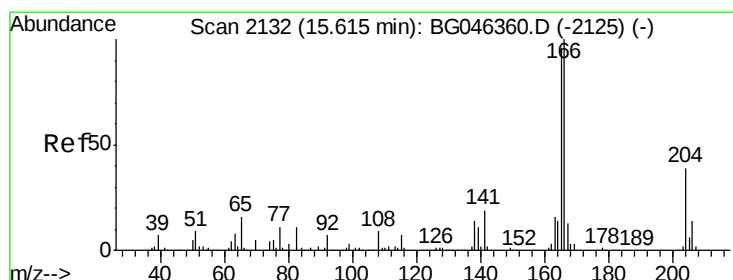
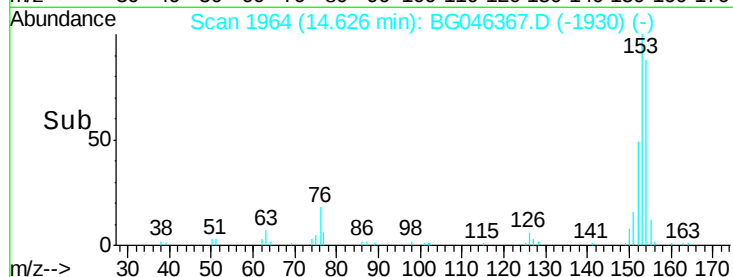
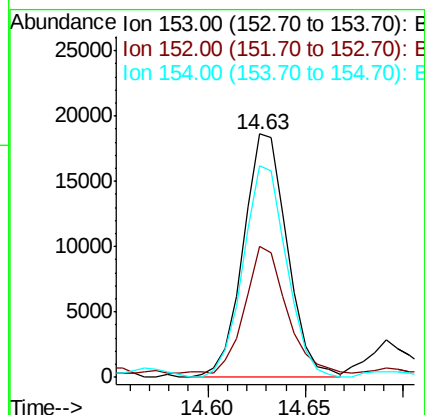
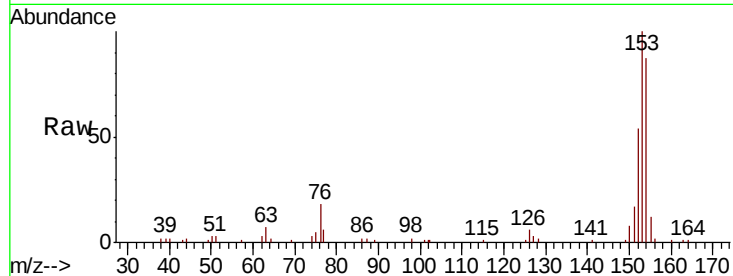
ClientSampled :

BFMA0

Tot Ion:	153	Resp:	29085
Ion Ratio	Lower	Upper	
153	100		
152	53.7	37.2	55.8
154	87.0	67.8	101.6

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#11

Fluorene

Concen: 2.149 ng/ul

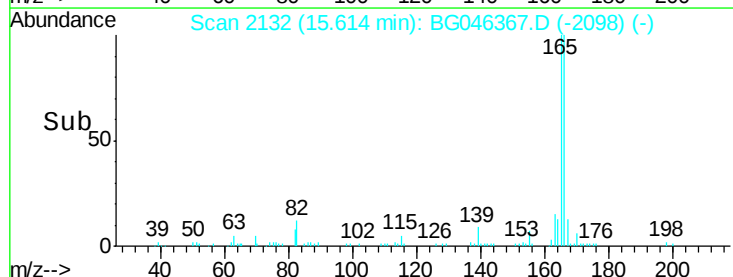
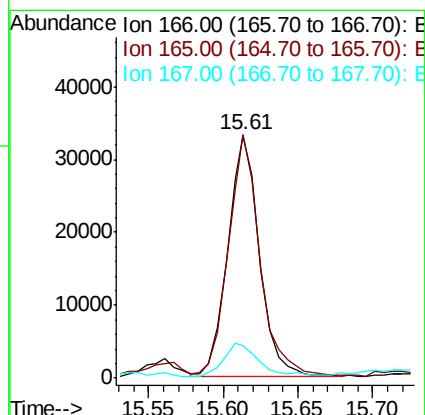
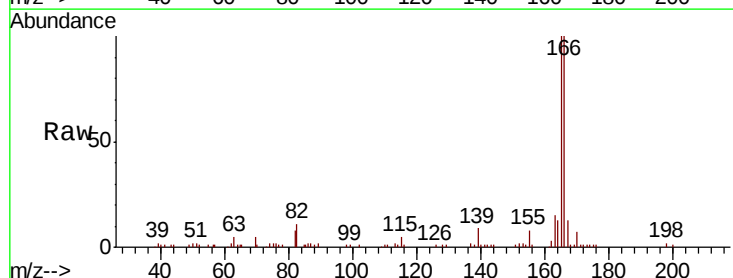
RT: 15.61 min Scan# 2132

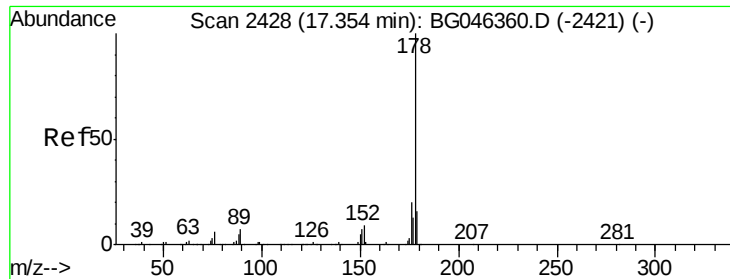
Delta R.T. -0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Tgt Ion:	166	Resp:	48890
Ion Ratio	Lower	Upper	
166	100		
165	100.5	75.9	113.9
167	13.2	10.7	16.1





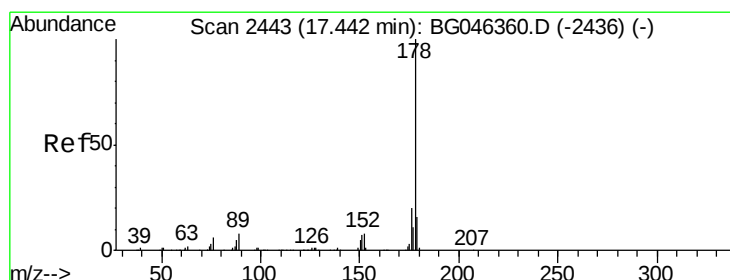
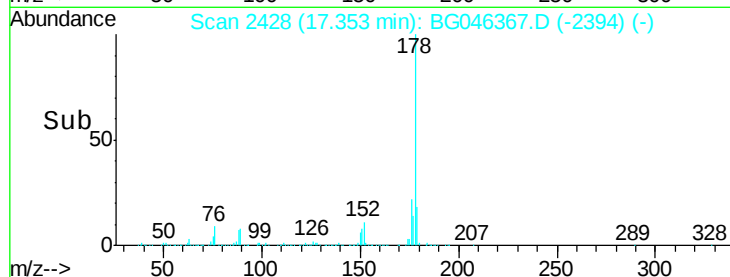
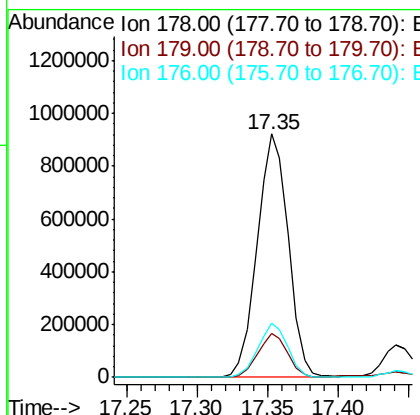
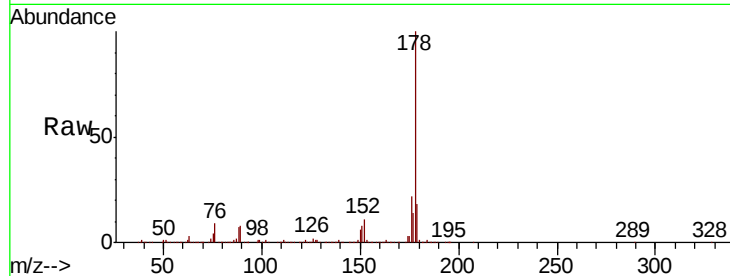
#14
Phenanthrene
Concen: 39.021 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046367.D
Acq: 20 Aug 2020 6:09

Instrument :
BNA_G
ClientSampleId :
BFMA0

Tot Ion:178 Resp: 1424035
Ion Ratio Lower Upper
178 100
179 18.1 12.8 19.2
176 22.4 15.8 23.8

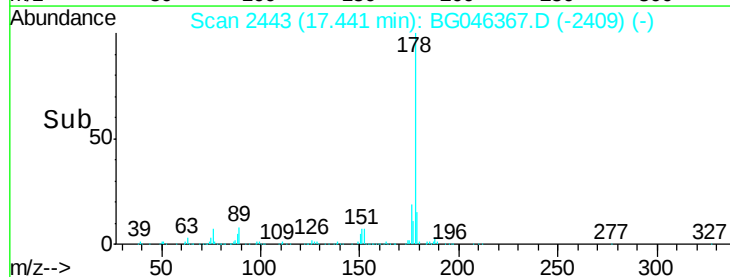
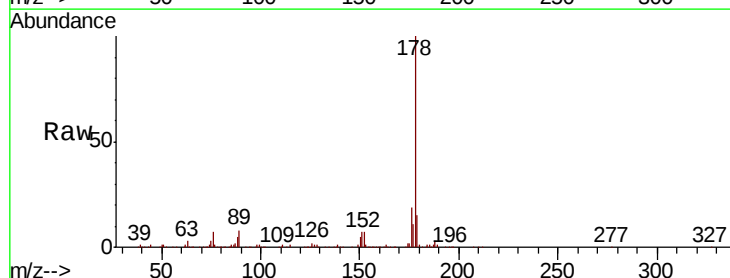
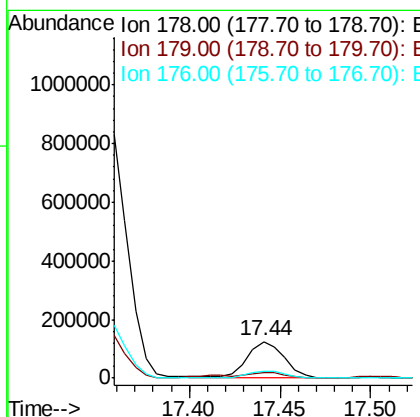
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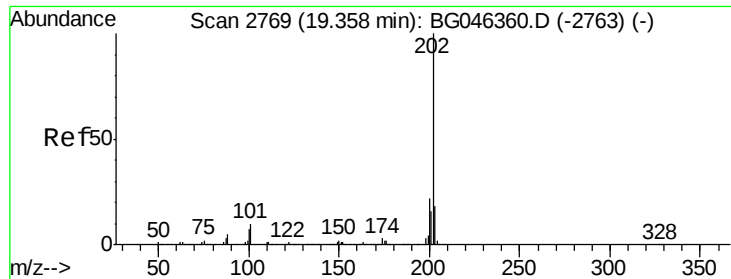
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#16
Anthracene
Concen: 4.953 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG046367.D
Acq: 20 Aug 2020 6:09

Tgt Ion:178 Resp: 182383
Ion Ratio Lower Upper
178 100
179 15.4 13.2 19.8
176 19.2 15.2 22.8





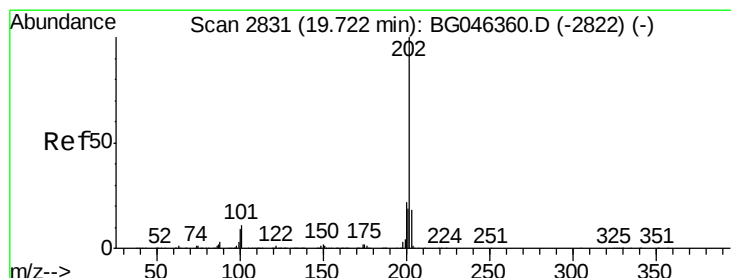
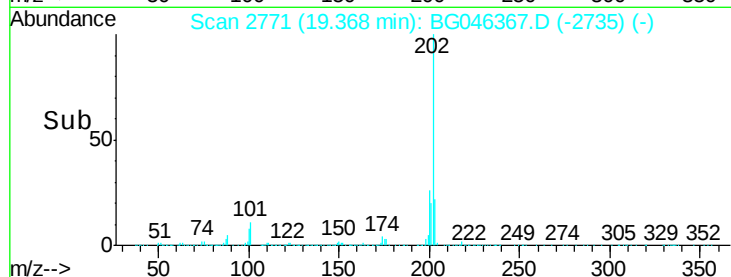
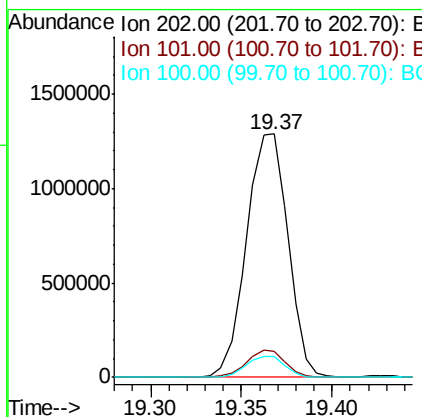
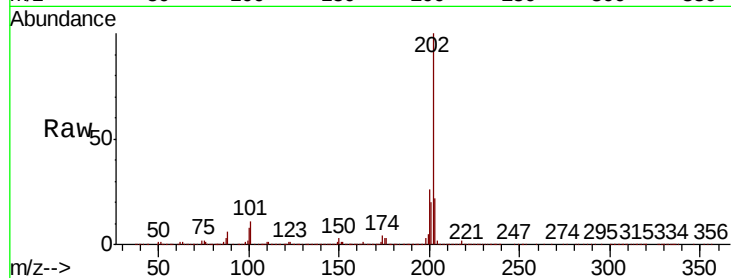
#17
Fluoranthene
 Concen: 50.185 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.01 min
 Lab File: BG046367.D
 Acq: 20 Aug 2020 6:09

Instrument :
 BNA_G
 ClientSampleId :
 BFMA0

Tot Ion:	202	Resp:	2042187
Ion	Ratio	Lower	Upper
202	100		
101	10.9	7.8	11.6
100	8.4	5.9	8.9

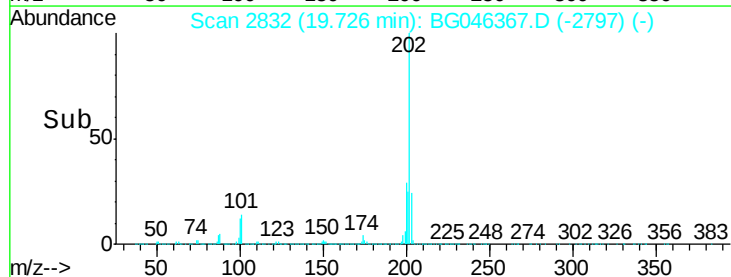
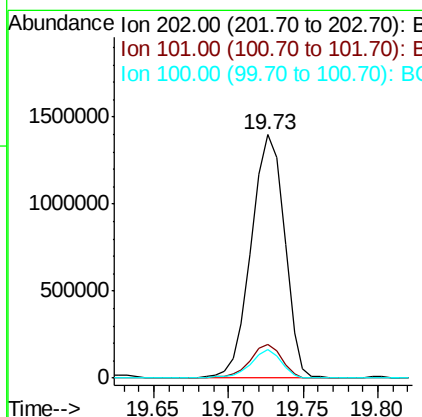
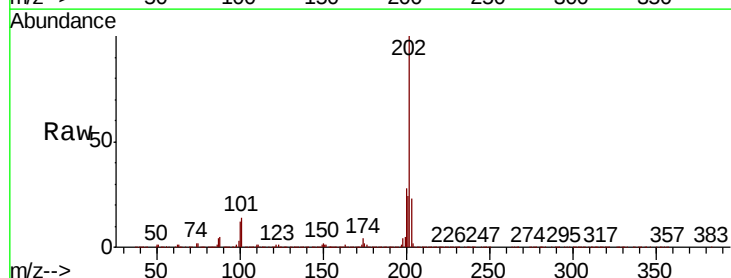
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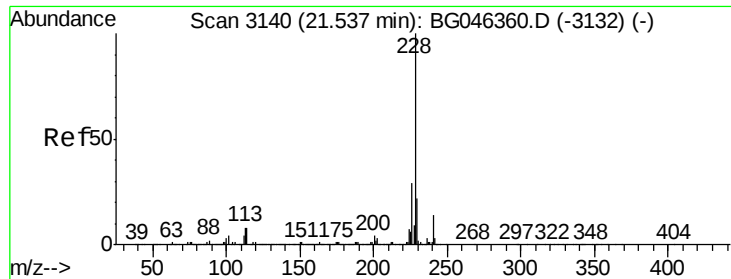
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#20
Pyrene
 Concen: 49.571 ng/ul m
 RT: 19.73 min Scan# 2832
 Delta R.T. 0.00 min
 Lab File: BG046367.D
 Acq: 20 Aug 2020 6:09

Tgt Ion:	202	Resp:	2163534
Ion	Ratio	Lower	Upper
202	100		
101	14.0	8.9	13.3#
100	11.7	7.9	11.9





#21

Benzo(a)anthracene

Concen: 22.138 ng/ul

RT: 21.54 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

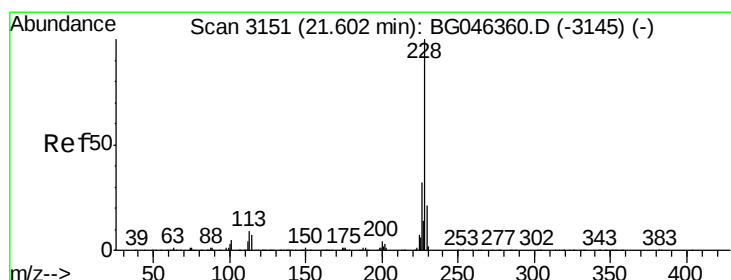
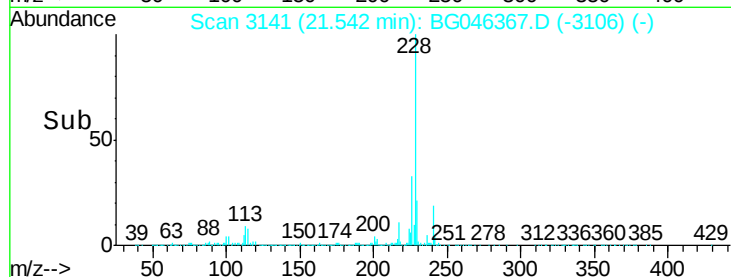
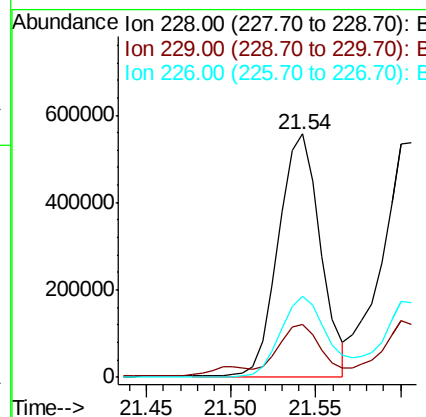
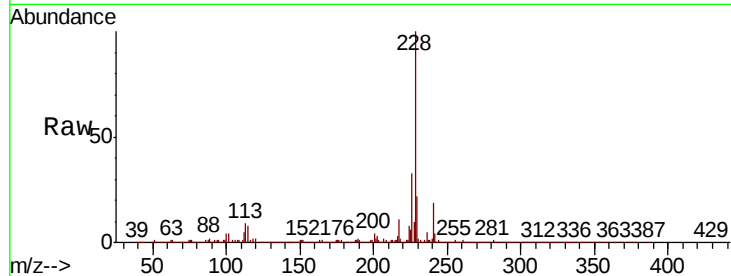
ClientSampleId :

BFMA0

Tot Ion:	228	Resp:	957705
Ion Ratio	Lower	Upper	
228	100		
229	21.7	16.6	25.0
226	33.1	22.6	33.8

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#22

Chrysene

Concen: 23.874 ng/ul

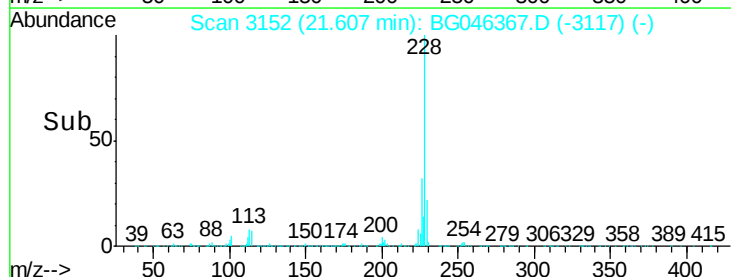
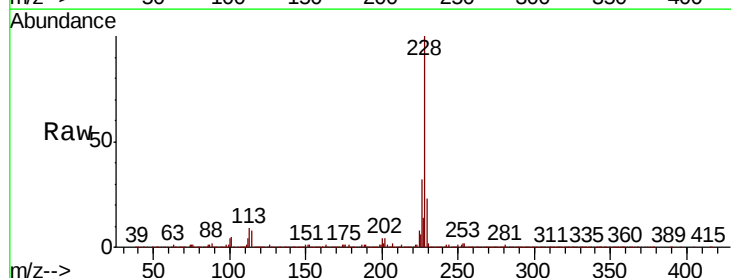
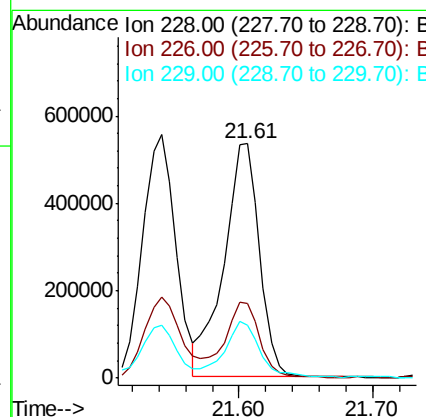
RT: 21.61 min Scan# 3152

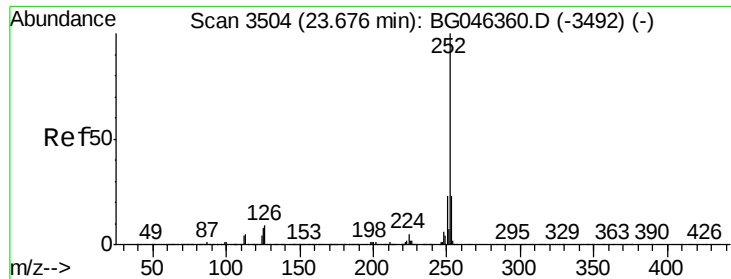
Delta R.T. 0.00 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Tgt Ion:	228	Resp:	998424
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.5	38.3
229	22.5	17.0	25.4





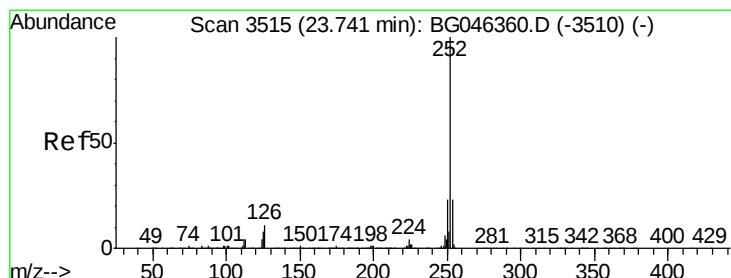
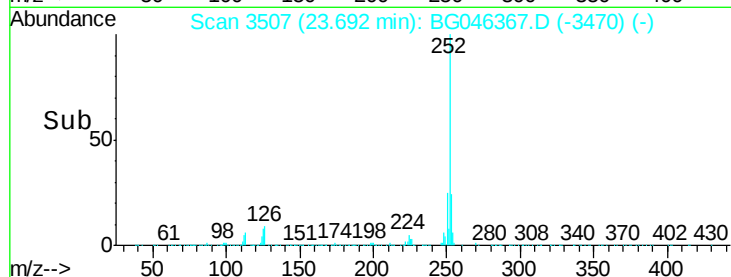
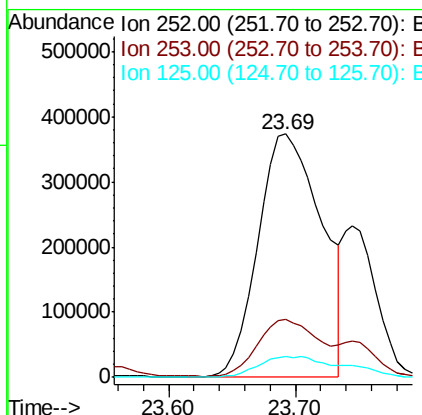
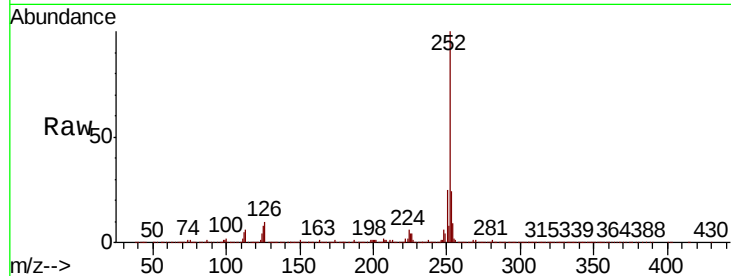
#24
Benzo(b)fluoranthene
Concen: 27.192 ng/ul
RT: 23.69 min Scan# 3507
Delta R.T. 0.02 min
Lab File: BG046367.D
Acq: 20 Aug 2020 6:09

Instrument :
BNA_G
ClientSampleId :
BFMA0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	8.3	6.4	9.6

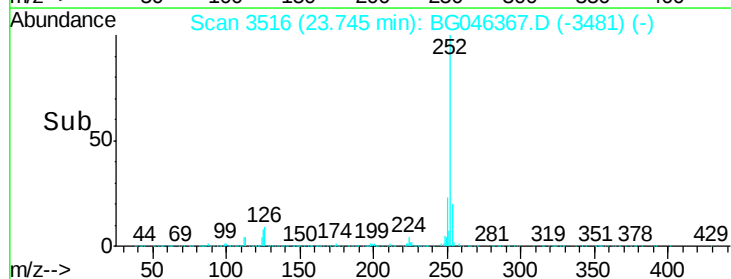
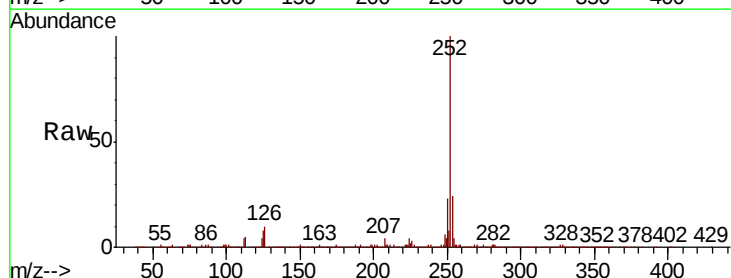
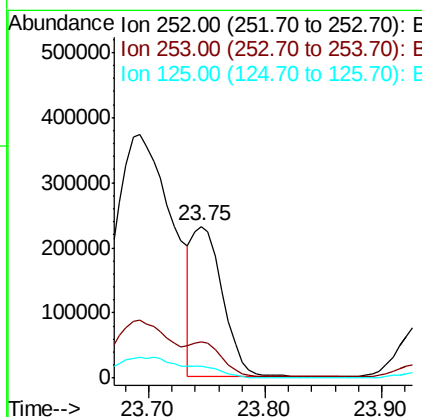
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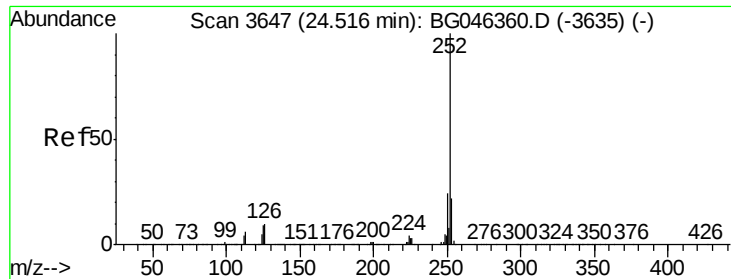
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#25
Benzo(k)fluoranthene
Concen: 8.756 ng/ul m
RT: 23.75 min Scan# 3516
Delta R.T. 0.00 min
Lab File: BG046367.D
Acq: 20 Aug 2020 6:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	8.2	6.2	9.2





#27

Benzo(a)pyrene

Concen: 21.998 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

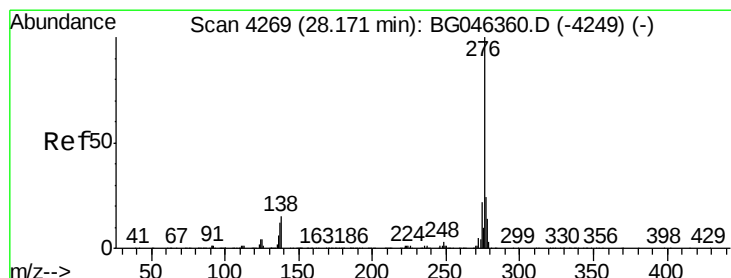
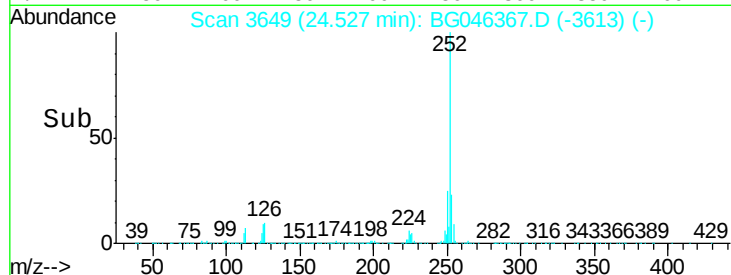
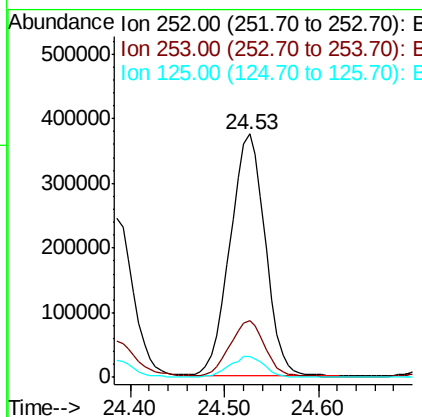
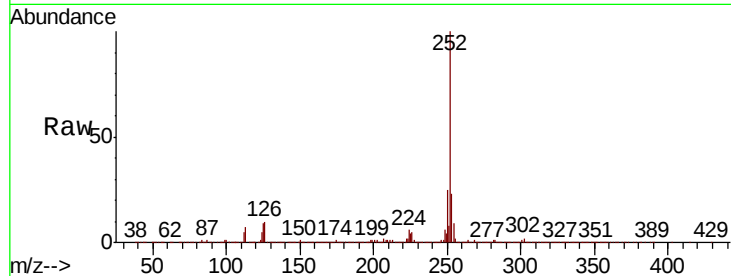
ClientSampled :

BFMA0

Tot Ion:	252	Resp:	964154
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	8.8	7.1	10.7

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#28

Indeno(1,2,3-cd)pyrene

Concen: 11.941 ng/ul

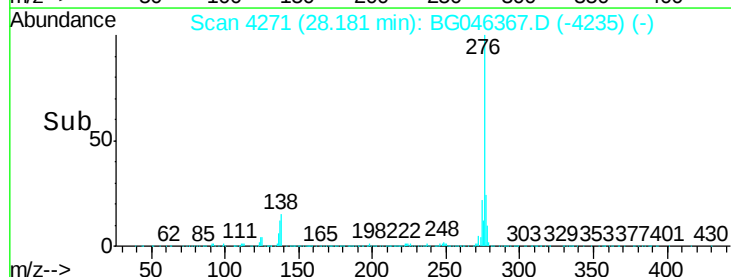
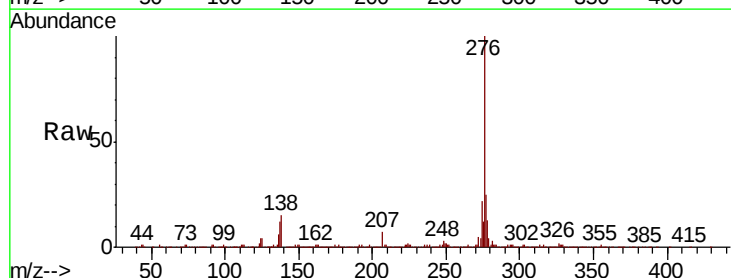
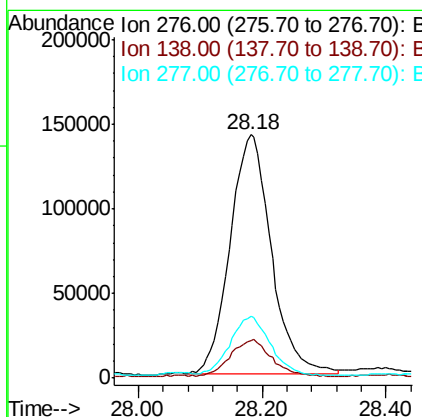
RT: 28.18 min Scan# 4271

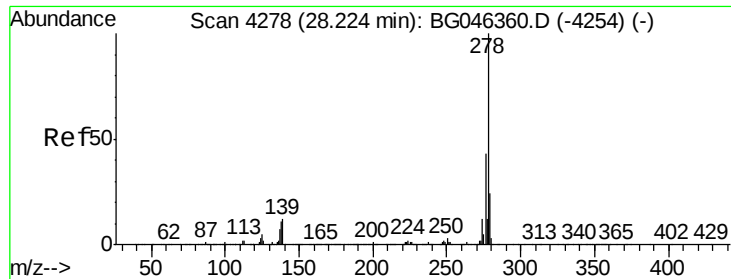
Delta R.T. 0.01 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Tgt Ion:	276	Resp:	655299
Ion Ratio	Lower	Upper	
276	100		
138	15.3	13.2	19.8
277	25.2	19.9	29.9





#29

Dibenzo(a,h)anthracene

Concen: 3.214 ng/ul m

RT: 28.22 min Scan# 4277

Delta R.T. -0.01 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Instrument :

BNA_G

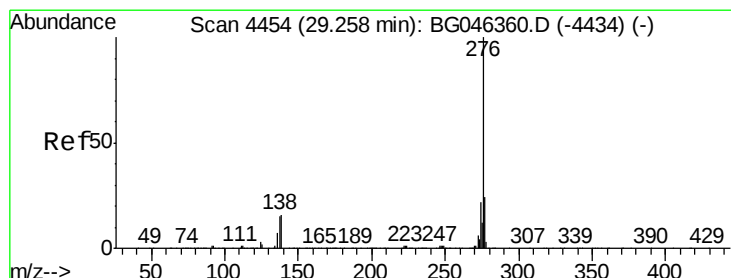
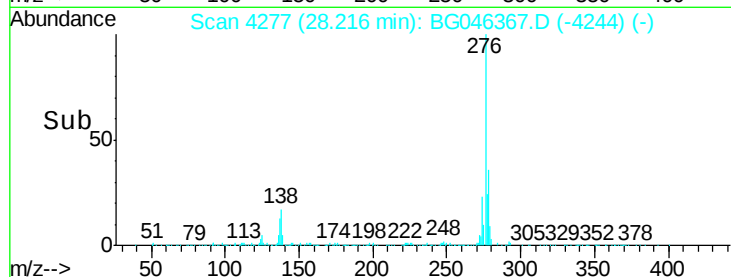
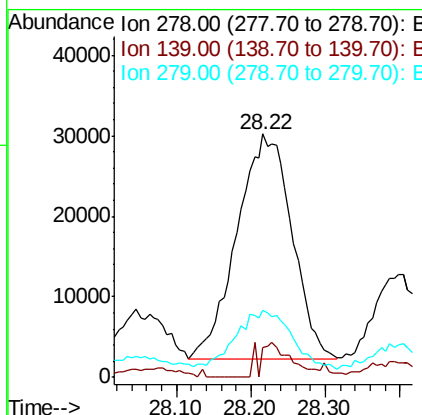
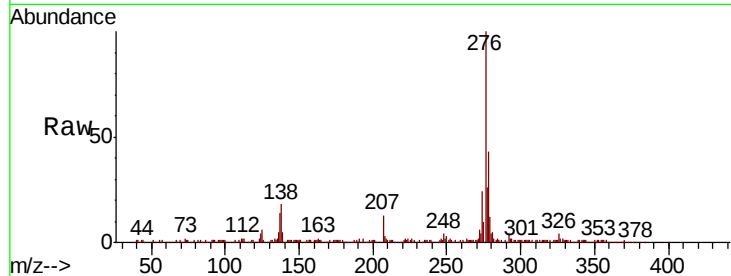
ClientSampleId :

BFMA0

Tot Ion:	278	Resp:	143002
Ion Ratio	Lower	Upper	
278	100		
139	12.5	9.8	14.8
279	27.7	19.7	29.5

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:39 PM



#30

Benzo(g,h,i)perylene

Concen: 11.476 ng/ul

RT: 29.27 min Scan# 4457

Delta R.T. 0.02 min

Lab File: BG046367.D

Acq: 20 Aug 2020 6:09

Tgt Ion:	276	Resp:	527047
Ion Ratio	Lower	Upper	
276	100		
138	15.7	12.9	19.3
277	24.9	19.4	29.0

