

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046388.D
 Acq On : 20 Aug 2020 21:17
 Operator : CG/JU
 Sample : L3634-15
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMG3

Manual Integrations
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Quant Time: Aug 21 01:24:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 00:37:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	95928	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	373218	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	233339	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	517124	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	529836	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	566209	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	151594	23.59	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	551343	25.67	ng/ul	0.00
10) Fluorene-d10	15.56	176	413386	25.12	ng/ul	0.00
15) Anthracene-d10	17.41	188	591195	24.66	ng/ul	0.00
19) Pyrene-d10	19.70	212	689386	25.28	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	789234	25.54	ng/ul	0.01
Target Compounds						
					Qvalue	
4) Naphthalene	10.79	128	40291	2.075	ng/ul	98
5) 2-Methylnaphthalene	12.40	142	18473	1.248	ng/ul	99
8) Acenaphthylene	14.29	152	43044	1.972	ng/ul	99
9) Acenaphthene	14.63	153	28919	1.855	ng/ul	98
11) Fluorene	15.62	166	36214	1.987	ng/ul	96
14) Phenanthrene	17.35	178	793787	27.902	ng/ul	99
16) Anthracene	17.44	178	141727	4.937	ng/ul	98
17) Fluoranthene	19.36	202	1232104	38.841	ng/ul	99
20) Pyrene	19.73	202	1134085	32.609	ng/ul	99
21) Benzo(a)anthracene	21.54	228	685829	19.895	ng/ul	97
22) Chrysene	21.61	228	708931	21.273	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	922545	24.639	ng/ul	97
25) Benzo(k)fluoranthene	23.75	252	360702m	9.711	ng/ul	
27) Benzo(a)pyrene	24.53	252	656163	19.089	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.18	276	441993	10.269	ng/ul	97
29) Dibenzo(a,h)anthracene	28.24	278	126607	3.628	ng/ul	99
30) Benzo(g,h,i)perylene	29.28	276	237666	6.598	ng/ul	98

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

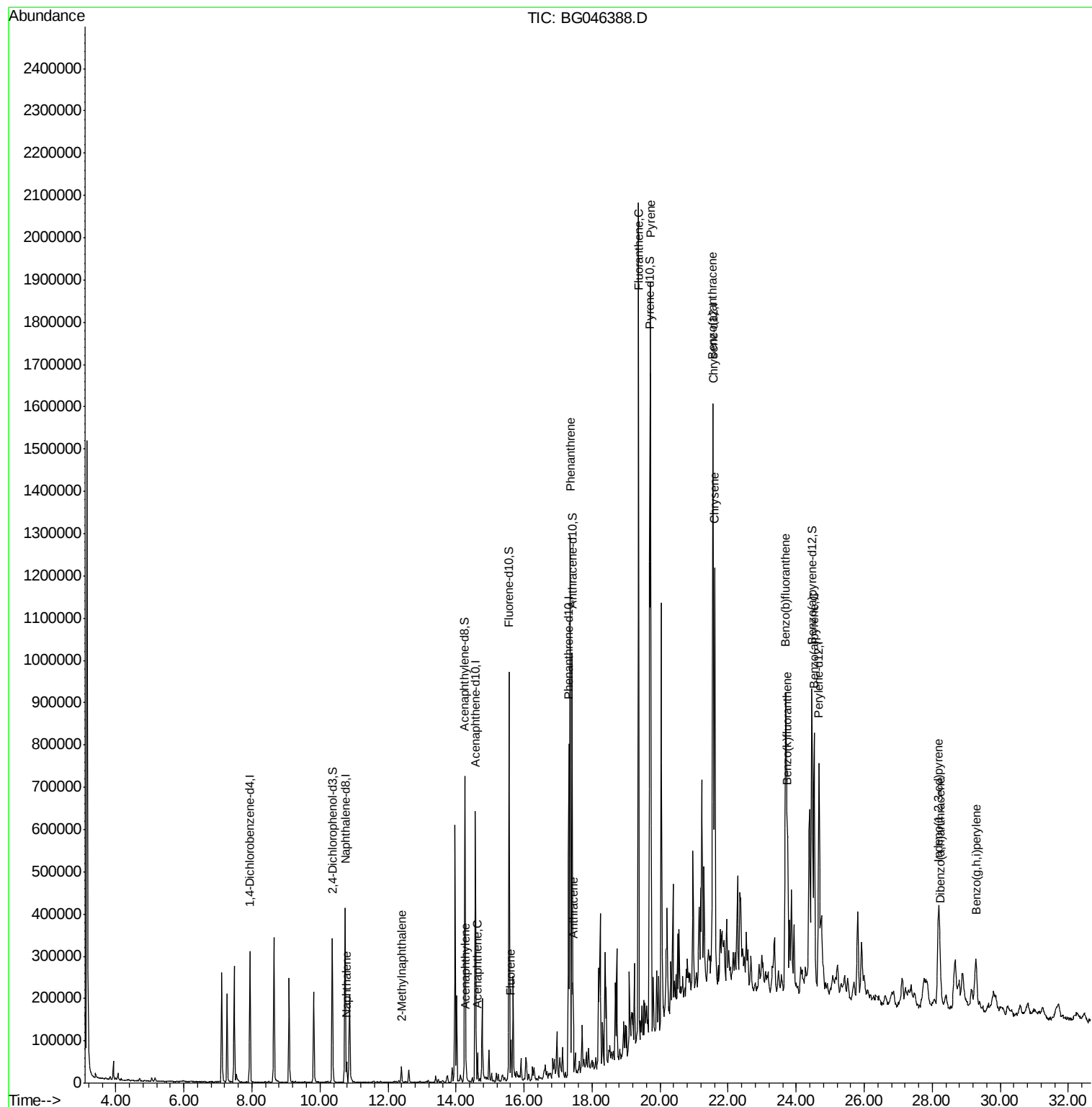
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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ALS Vial : 52 Sample Multiplier: 1

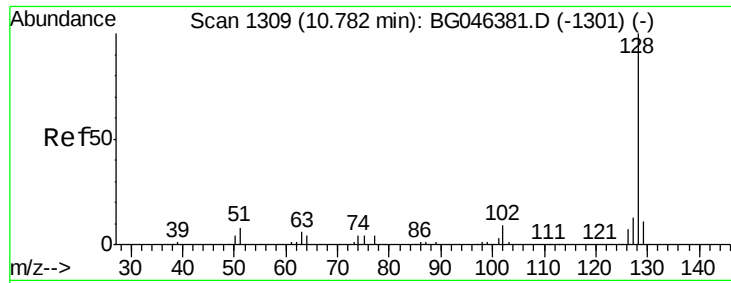
Instrument :
BNA_G
ClientSampleId :
BFMG3

Quant Time: Aug 21 01:24:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 21 00:37:00 2020
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#4

Naphthalene

Concen: 2.075 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

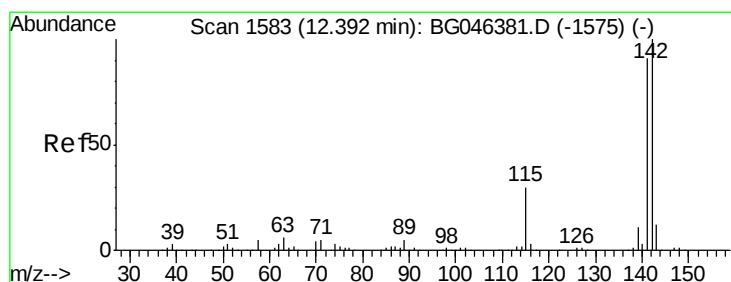
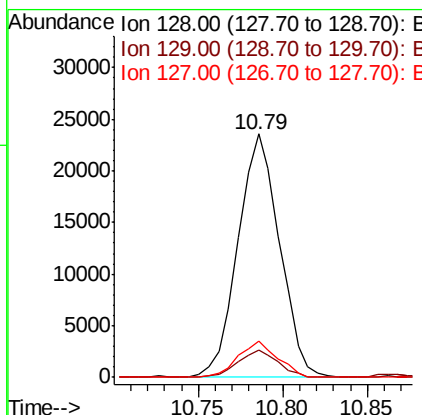
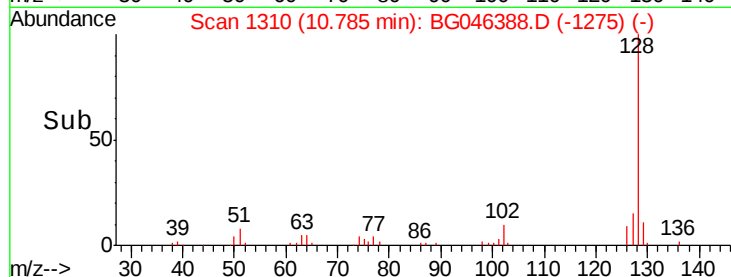
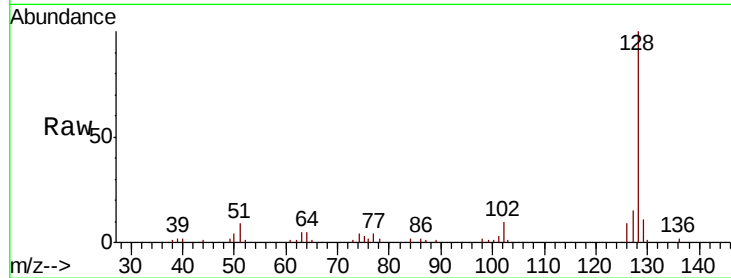
ClientSampleId :

BFMG3

Tot Ion:	128	Resp:	40291
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	14.8	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 1.248 ng/ul

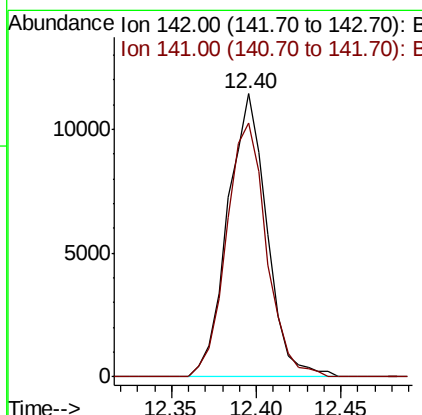
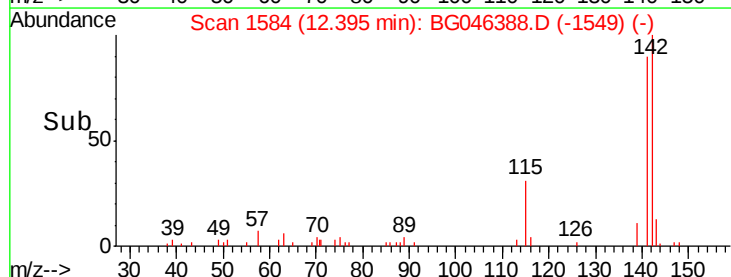
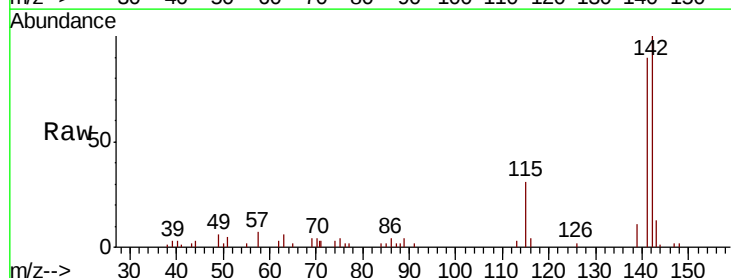
RT: 12.40 min Scan# 1584

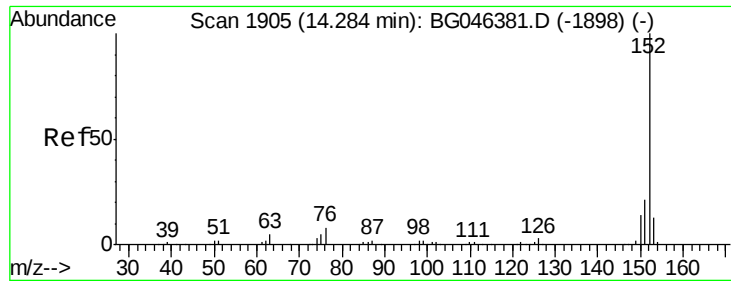
Delta R.T. 0.00 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Tgt Ion:	142	Resp:	18473
Ion Ratio	Lower	Upper	
142	100		
141	89.9	72.5	108.7





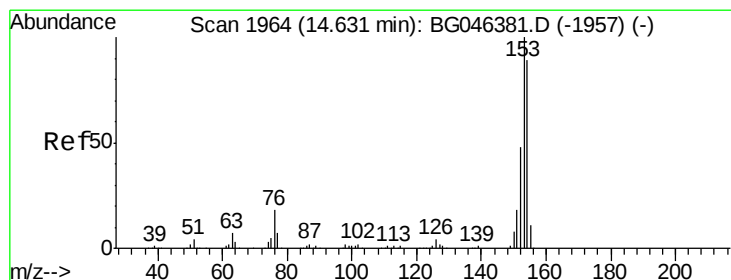
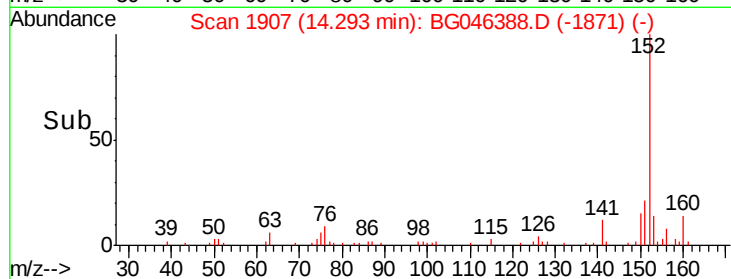
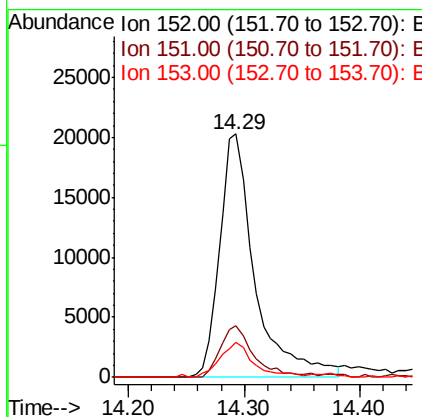
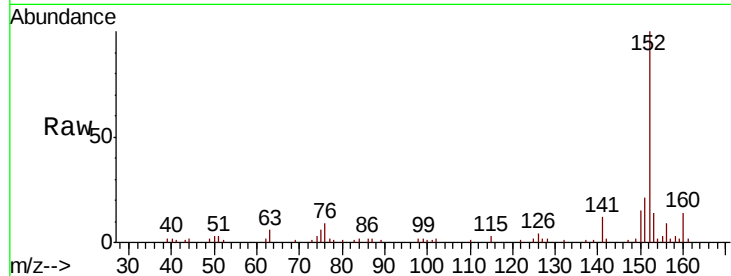
#8
Acenaphthylene
Concen: 1.972 ng/ul
RT: 14.29 min Scan# 1907
Delta R.T. 0.01 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Instrument :
BNA_G
ClientSampleID :
BFMG3

Tot Ion:	152	Resp:	43044
Ion Ratio	Lower	Upper	
152	100		
151	21.1	16.5	24.7
153	14.4	11.0	16.6

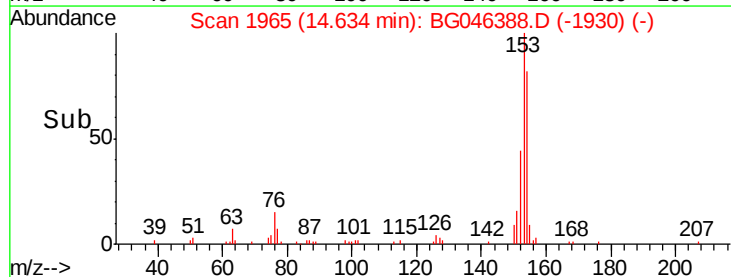
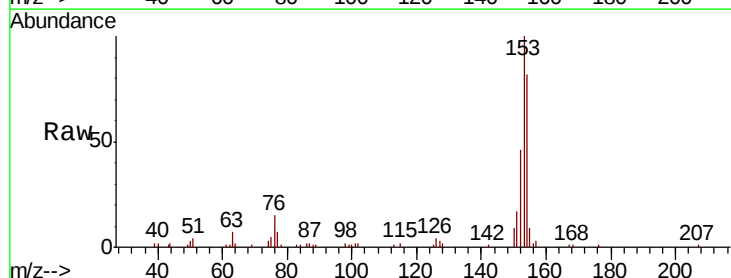
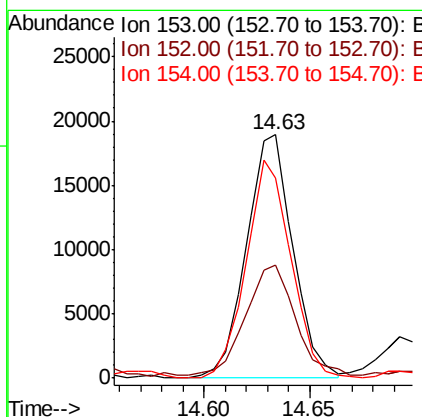
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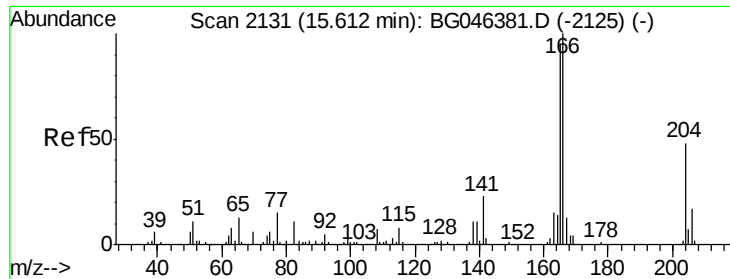
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#9
Acenaphthene
Concen: 1.855 ng/ul
RT: 14.63 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Tgt Ion:	153	Resp:	28919
Ion Ratio	Lower	Upper	
153	100		
152	46.4	37.2	55.8
154	82.2	67.8	101.6





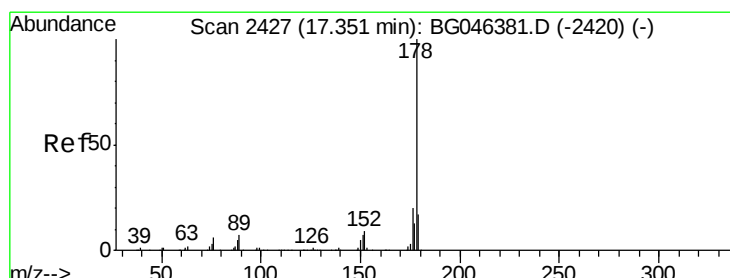
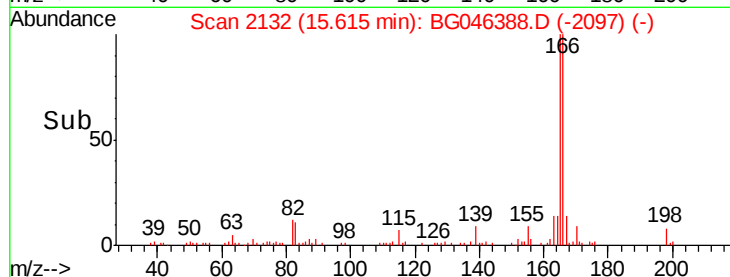
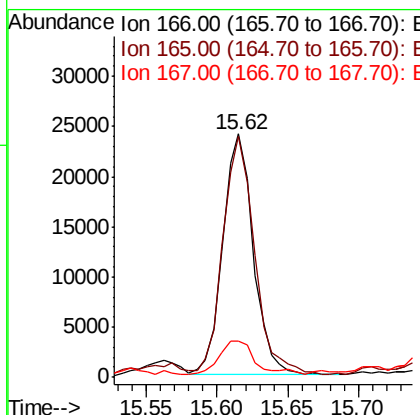
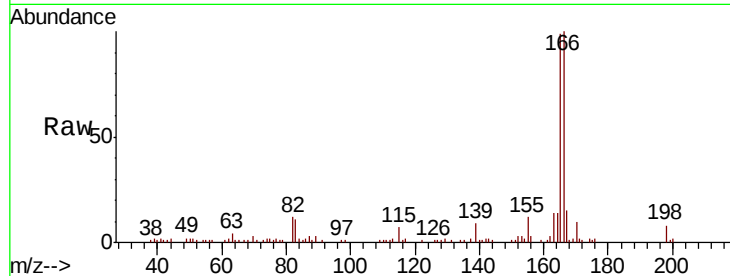
#11
 Fluorene
 Concen: 1.987 ng/ul
 RT: 15.62 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

Instrument :
 BNA_G
 ClientSampleId :
 BFMG3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		36214		
165	99.0	75.9	113.9		
167	15.1	10.7	16.1		

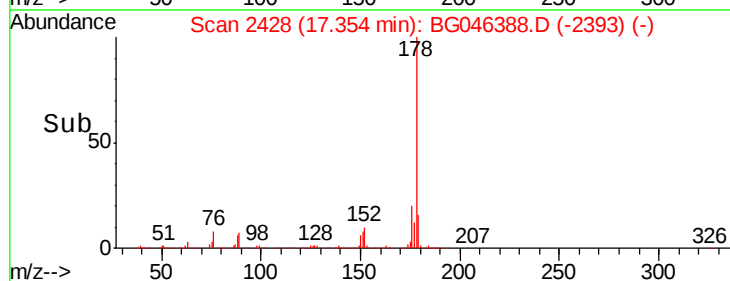
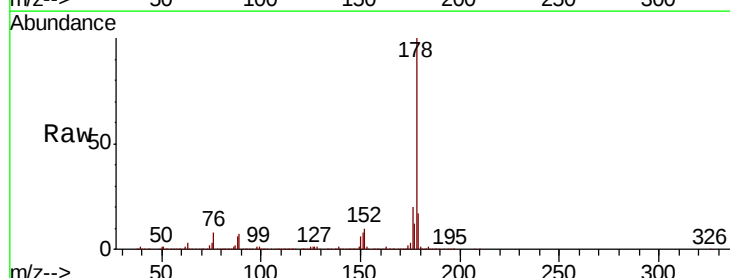
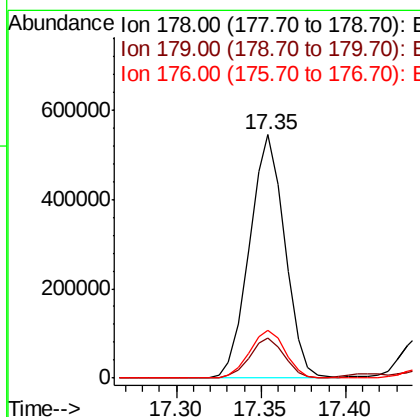
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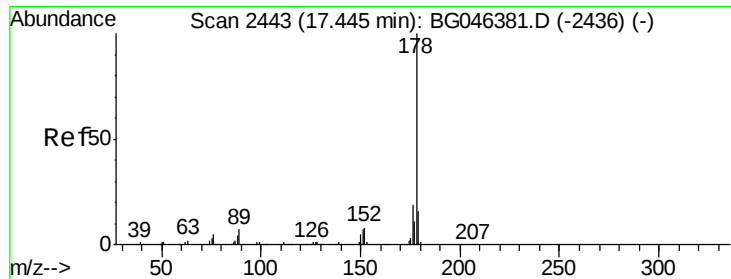
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#14
 Phenanthrene
 Concen: 27.902 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		793787		
179	16.5	12.8	19.2		
176	19.8	15.8	23.8		





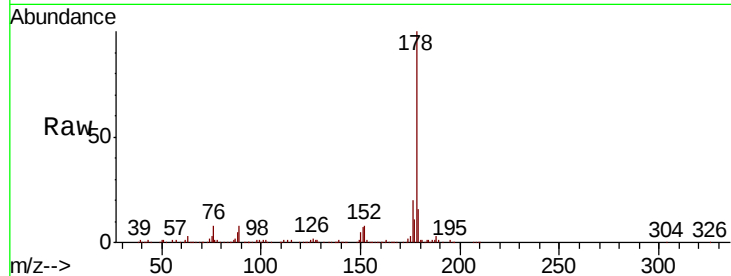
#16
 Anthracene
 Concen: 4.937 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

Instrument :
 BNA_G
 ClientSampleId :
 BFMG3

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	13.2	19.8
176	20.2	15.2	22.8

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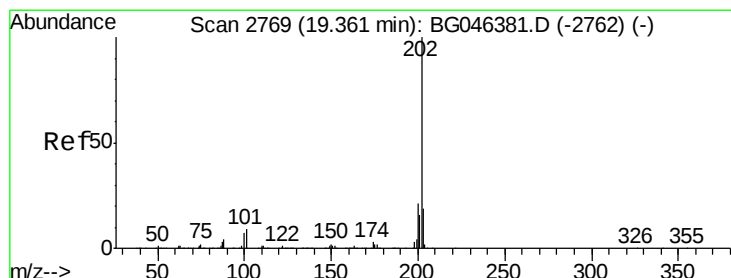
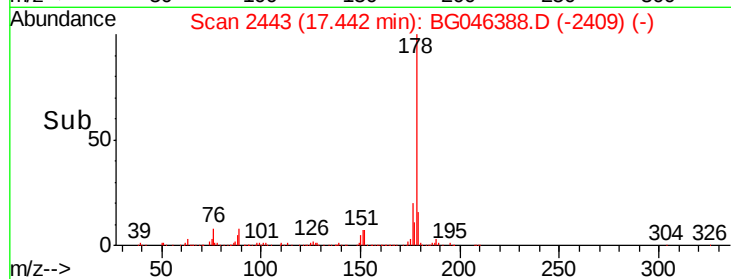
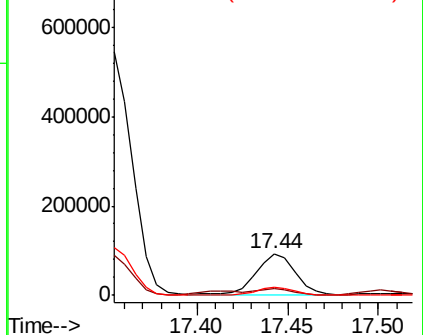


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#17
 Fluoranthene
 Concen: 38.841 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

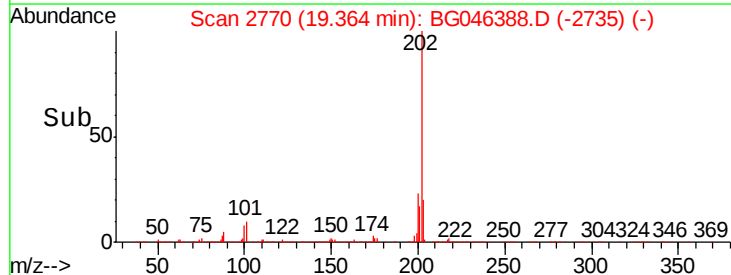
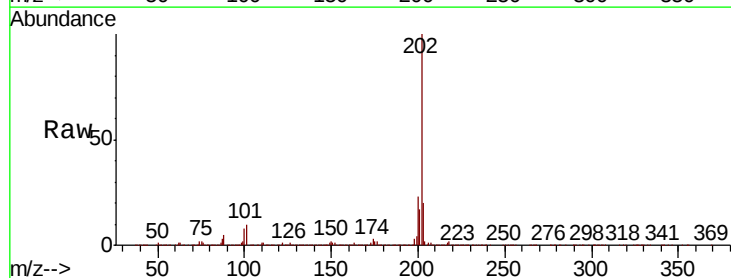
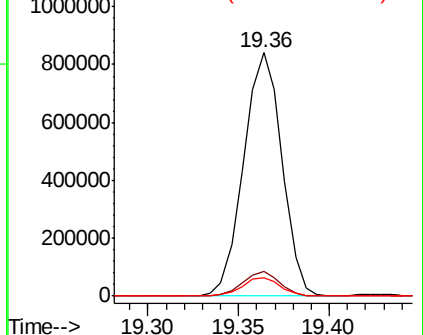
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.6
100	7.7	5.9	8.9

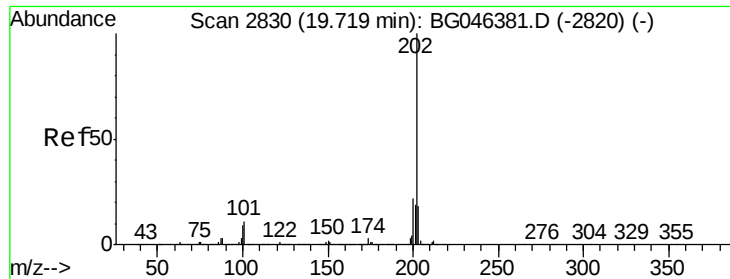
Abundance

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





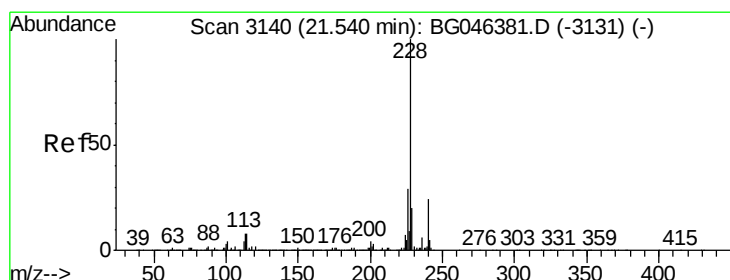
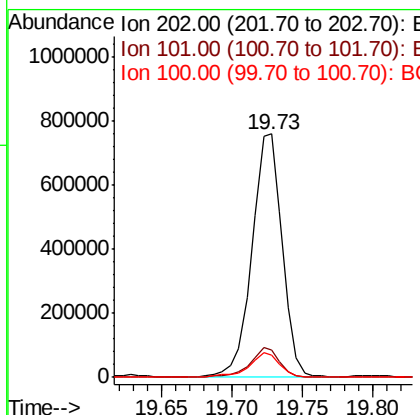
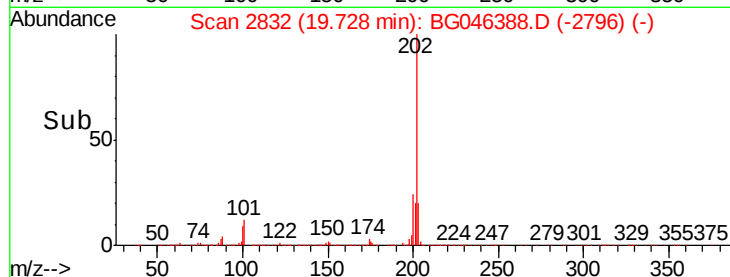
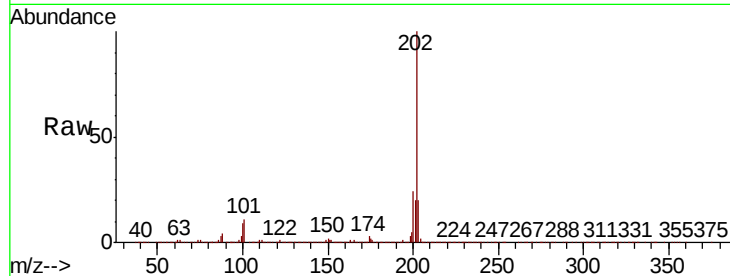
#20
Pvrene
Concen: 32.609 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Instrument :
BNA_G
ClientSampleId :
BFMG3

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
100	9.2	7.9	11.9

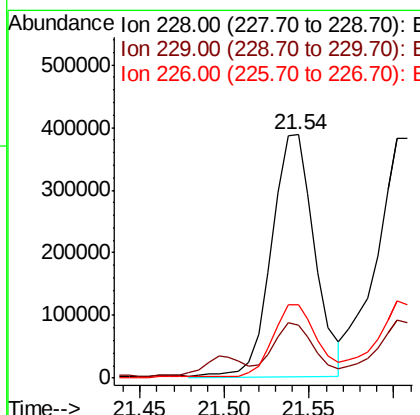
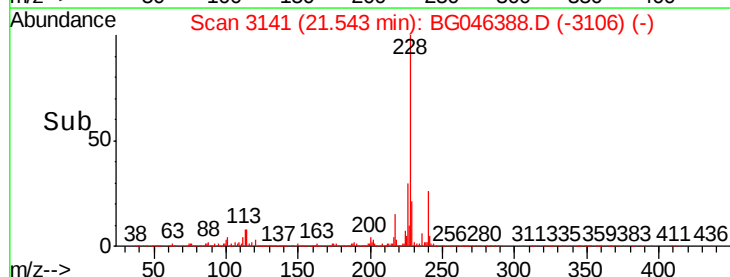
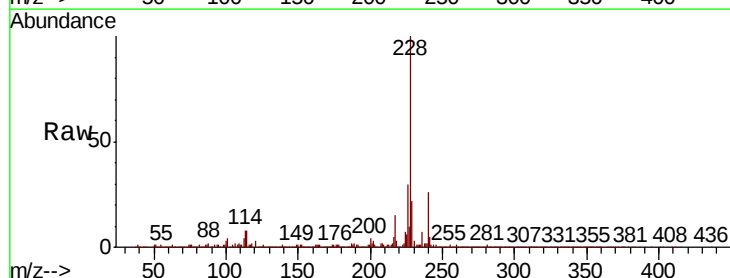
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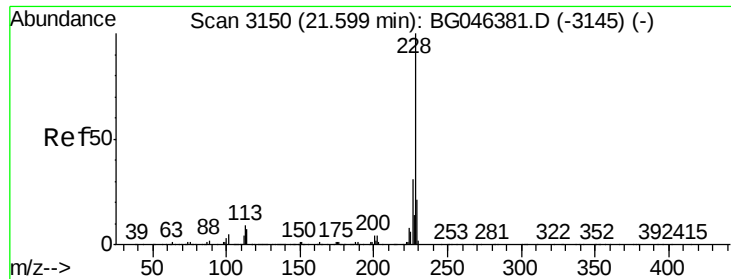
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#21
Benzo(a)anthracene
Concen: 19.895 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046388.D
Acq: 20 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.6	25.0
226	30.3	22.6	33.8





#22

Chrysene

Concen: 21.273 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

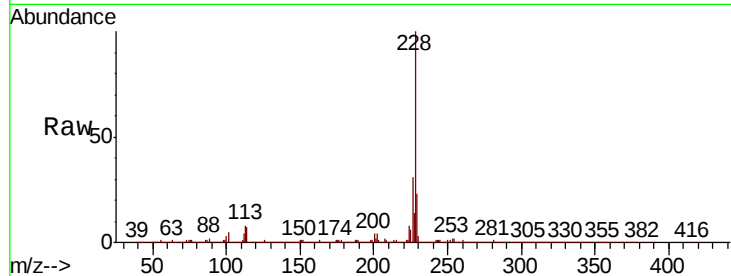
ClientSampleId :

BFMG3

Tot Ion	Ratio	Resp	Lower	Upper
228	100	708931		
226	30.7		25.5	38.3
229	23.3		17.0	25.4

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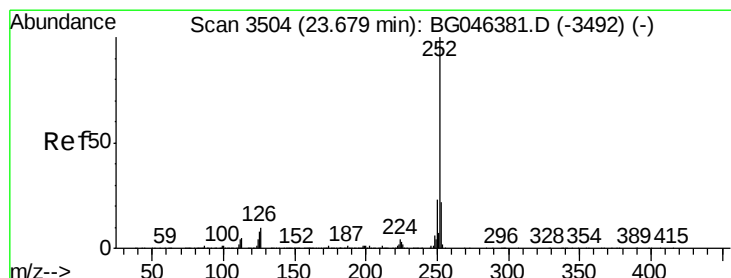
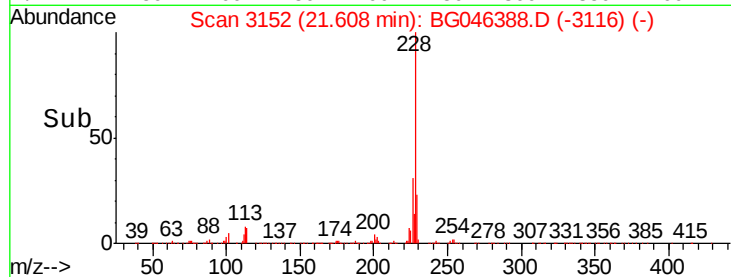
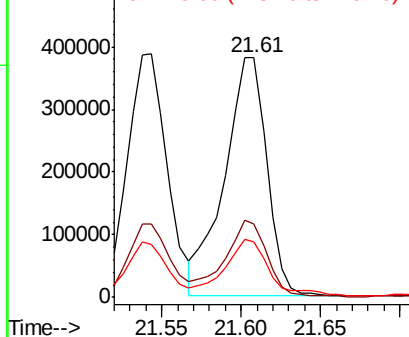


Abundance

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: 24.639 ng/ul

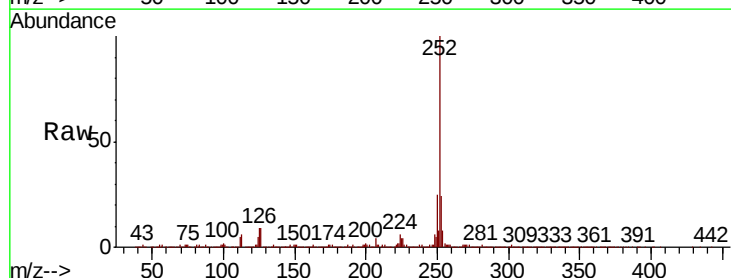
RT: 23.69 min Scan# 3507

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	922545		
253	23.7		17.8	26.6
125	8.7		6.4	9.6

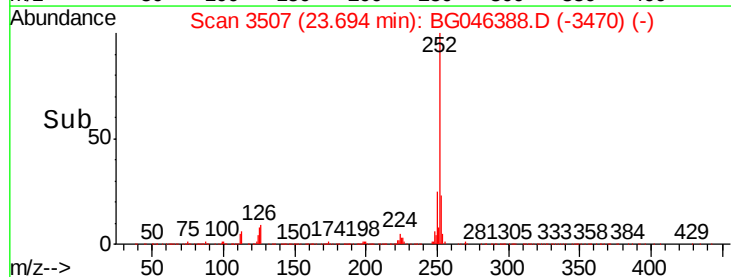
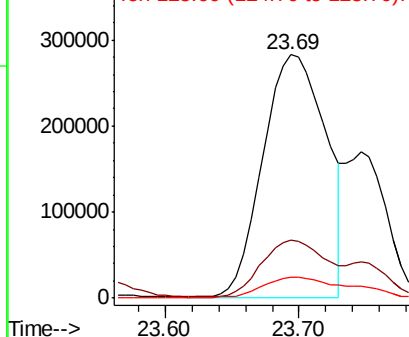


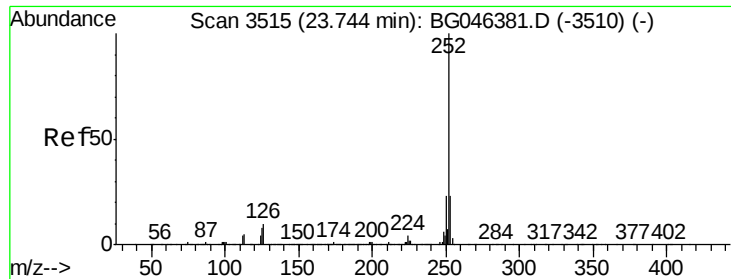
Abundance

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: 9.711 ng/ul m

RT: 23.75 min Scan# 3516

Delta R.T. 0.00 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

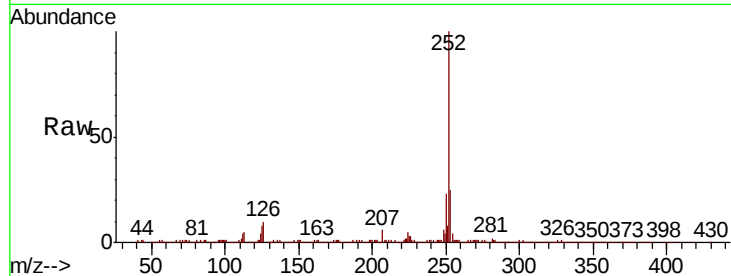
ClientSampleId :

BFMG3

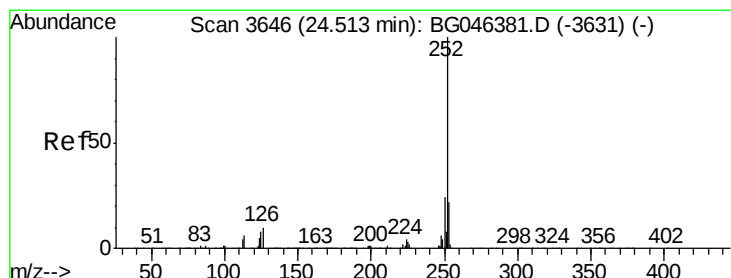
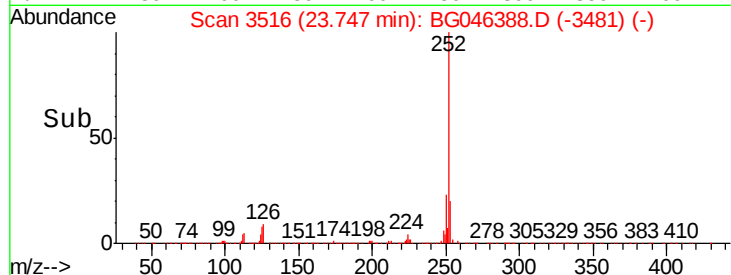
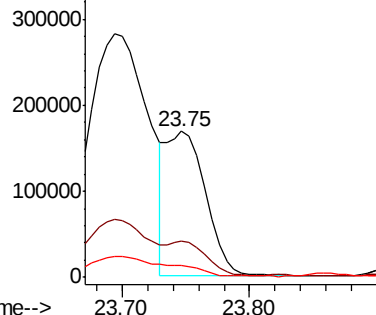
Tot Ion:	252	Resp:	360702
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.5	27.7
125	8.5	6.2	9.2

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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: 19.089 ng/ul

RT: 24.53 min Scan# 3649

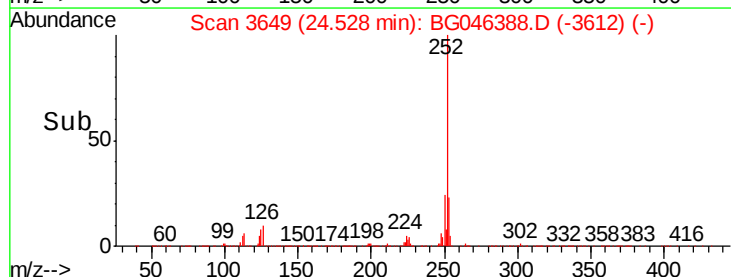
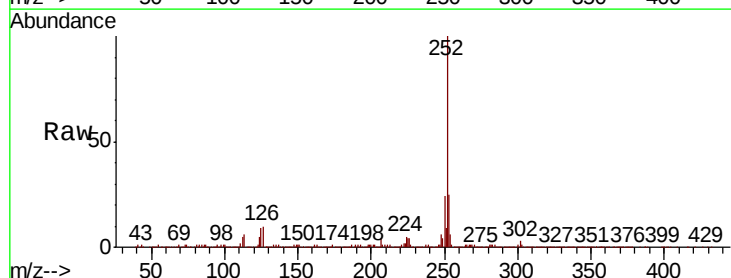
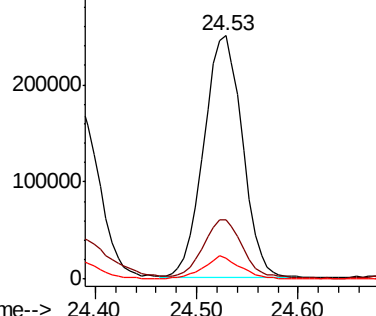
Delta R.T. 0.01 min

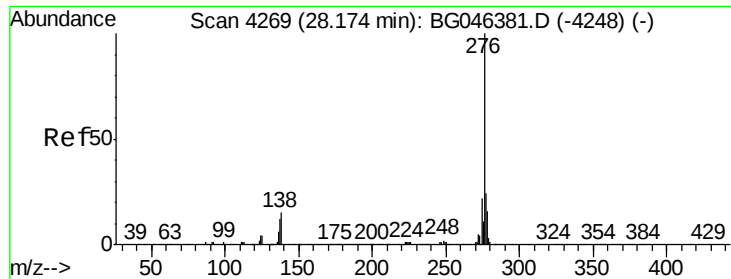
Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Tgt Ion:	252	Resp:	656163
Ion Ratio	Lower	Upper	
252	100		
253	24.5	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





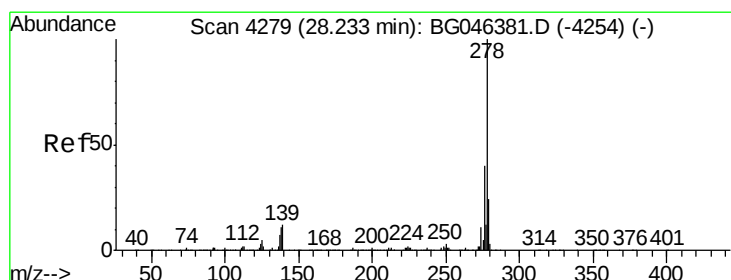
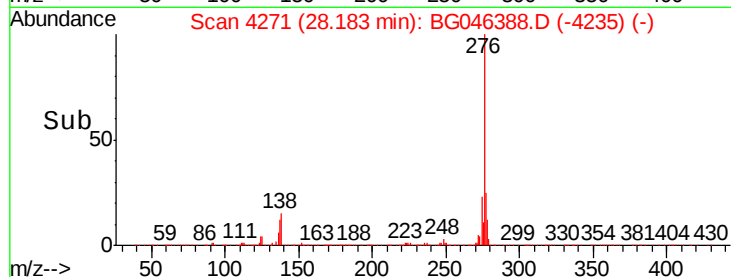
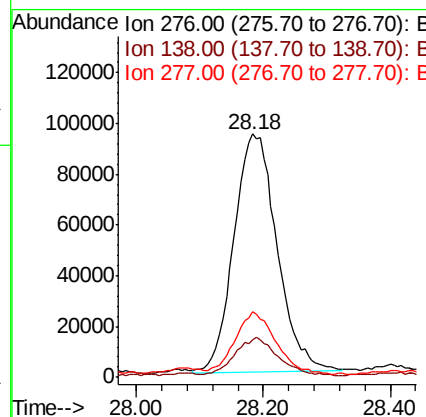
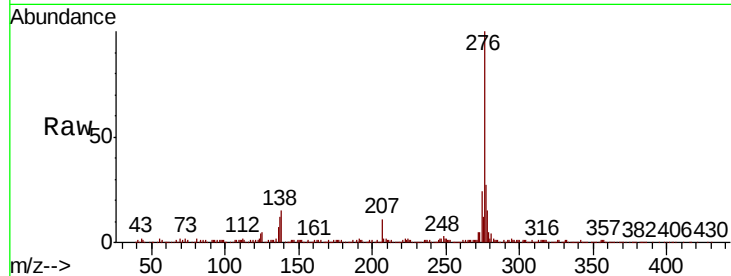
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 10.269 ng/uL
 RT: 28.18 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

Instrument :
 BNA_G
 ClientSampleId :
 BFMG3

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.2	19.8
277	26.8	19.9	29.9

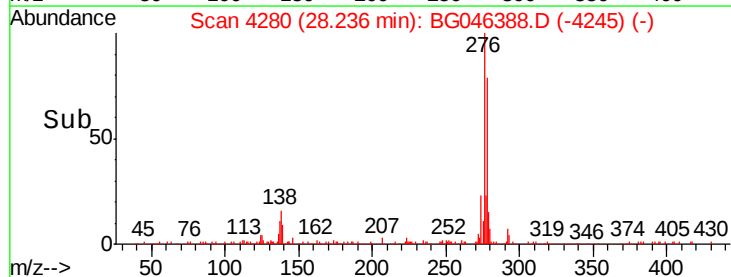
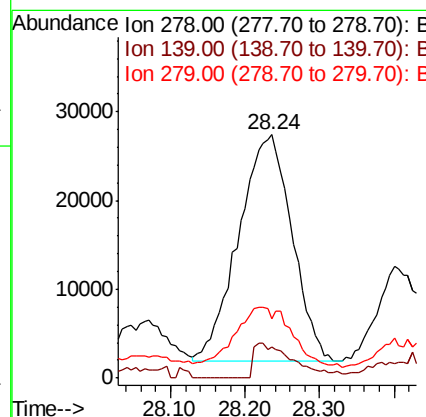
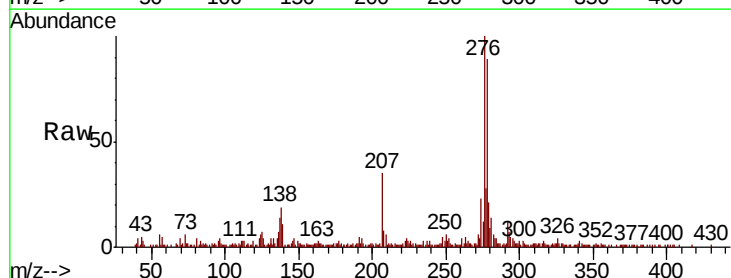
Manual Integrations
 APPROVED

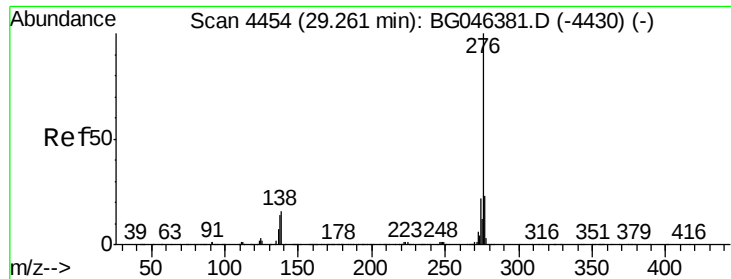
mohammad
 8/21/2020 12:47:47 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.628 ng/uL
 RT: 28.24 min Scan# 4280
 Delta R.T. 0.00 min
 Lab File: BG046388.D
 Acq: 20 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.8	14.8
279	24.1	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 6.598 ng/ul

RT: 29.28 min Scan# 4457

Delta R.T. 0.01 min

Lab File: BG046388.D

Acq: 20 Aug 2020 21:17

Instrument :

BNA_G

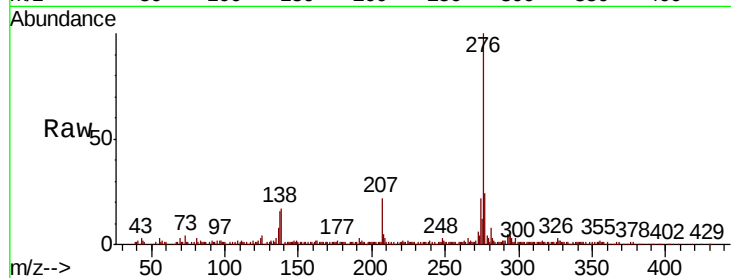
ClientSampleId :

BFMG3

Tot Ion:	276	Resp:	237666
Ion Ratio	Lower	Upper	
276	100		
138	17.4	12.9	19.3
277	23.6	19.4	29.0

Manual Integrations
APPROVED

mohammad
8/21/2020 12:47:47 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

