

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046385.D
 Acq On : 20 Aug 2020 19:15
 Operator : CG/JU
 Sample : L3634-16
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMG4

Manual Integrations
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Quant Time: Aug 21 01:03:21 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	77782	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	325346	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	221951	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	508877	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	506811	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	546959	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	160610	28.67	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	621345	30.42	ng/ul	0.00
10) Fluorene-d10	15.56	176	479706	30.65	ng/ul	0.00
15) Anthracene-d10	17.41	188	706549	29.95	ng/ul	0.00
19) Pyrene-d10	19.69	212	845214	32.40	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	949691	31.82	ng/ul	0.00
Target Compounds						
					Qvalue	
4) Naphthalene	10.79	128	23343	1.379	ng/ul	98
5) 2-Methylnaphthalene	12.39	142	13678	1.060	ng/ul	96
8) Acenaphthylene	14.29	152	40261m	1.939	ng/ul	
9) Acenaphthene	14.63	153	37008	2.496	ng/ul	98
11) Fluorene	15.62	166	42479	2.450	ng/ul	98
14) Phenanthrene	17.35	178	883137	31.546	ng/ul	98
16) Anthracene	17.44	178	159758	5.656	ng/ul	98
17) Fluoranthene	19.36	202	1342850	43.018	ng/ul	98
20) Pyrene	19.72	202	1231148	37.008	ng/ul	99
21) Benzo(a)anthracene	21.54	228	758503	23.003	ng/ul	96
22) Chrysene	21.60	228	771914	24.216	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	1066767	29.494	ng/ul	98
25) Benzo(k)fluoranthene	23.75	252	404791m	11.282	ng/ul	
27) Benzo(a)pyrene	24.52	252	783015	23.580	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.18	276	529817	12.743	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	150789m	4.473	ng/ul	
30) Benzo(g,h,i)perylene	29.28	276	310492	8.923	ng/ul	98

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

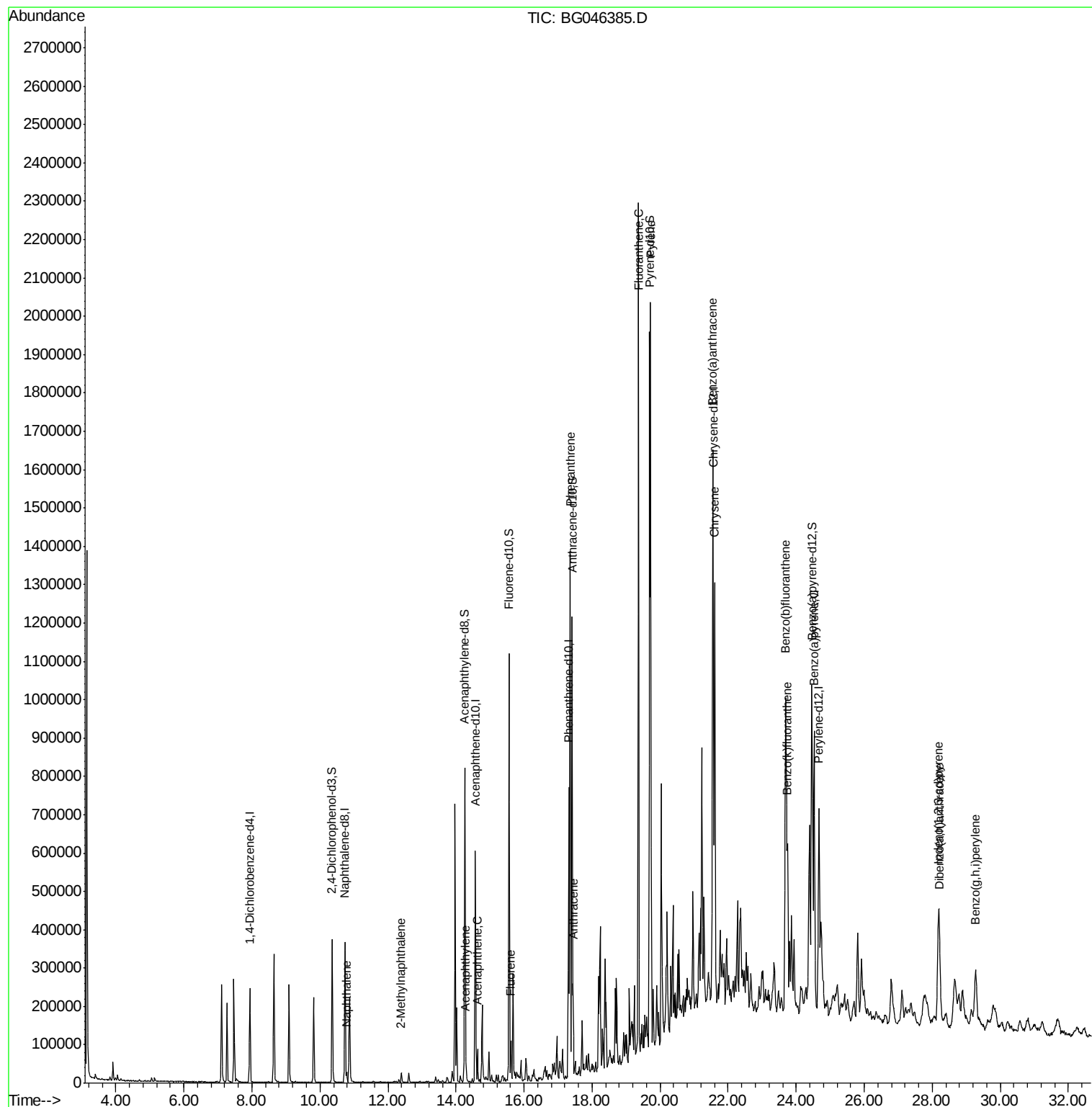
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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ALS Vial : 49 Sample Multiplier: 1

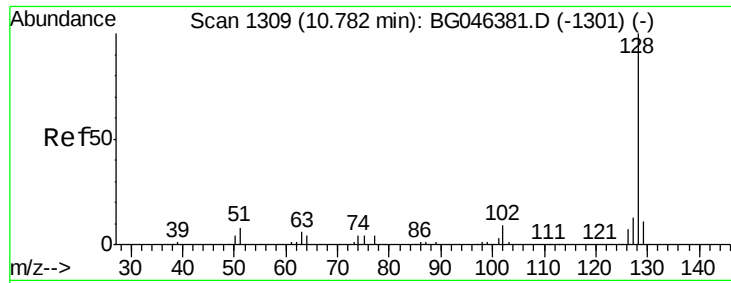
Instrument :
BNA_G
ClientSampleId :
BFMG4

Quant Time: Aug 21 01:03:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
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#4

Naphthalene

Concen: 1.379 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

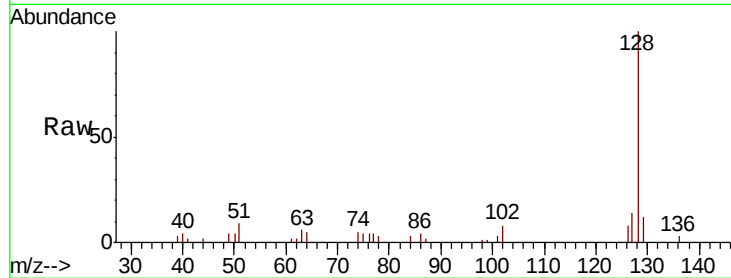
ClientSampleId :

BFMG4

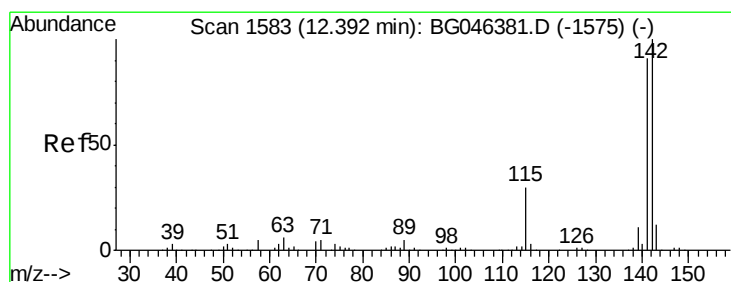
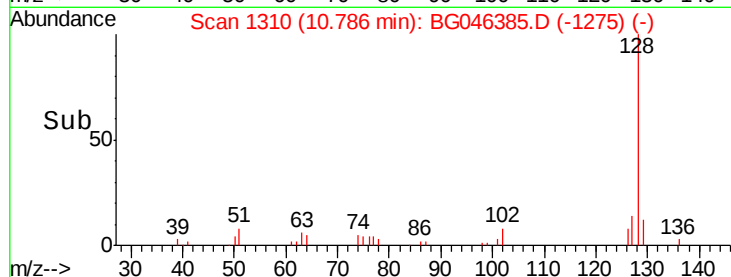
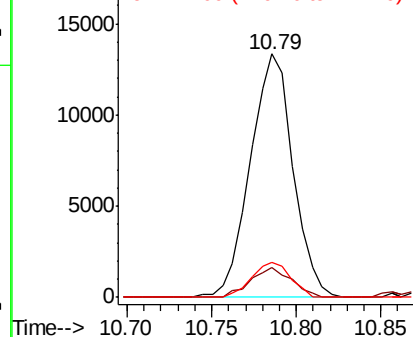
Tot Ion:	128	Resp:	23343
Ion Ratio	Lower	Upper	
128	100		
129	12.2	9.0	13.6
127	14.3	10.9	16.3

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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



#5

2-Methylnaphthalene

Concen: 1.060 ng/ul

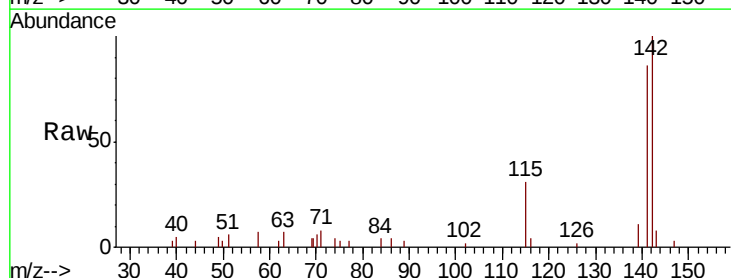
RT: 12.39 min Scan# 1583

Delta R.T. -0.00 min

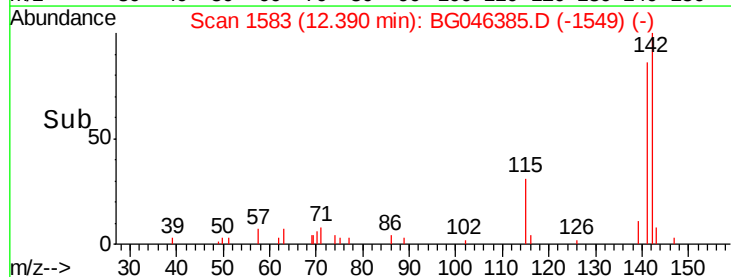
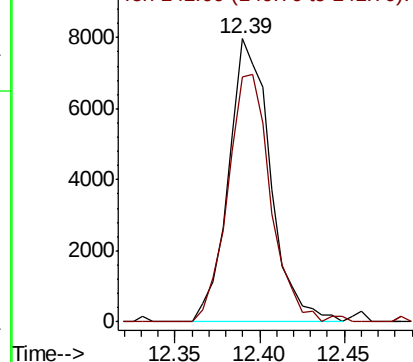
Lab File: BG046385.D

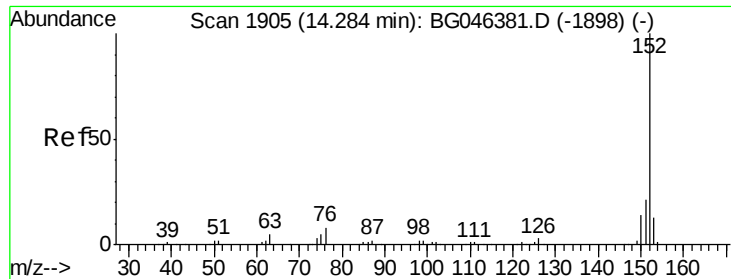
Acq: 20 Aug 2020 19:15

Tgt Ion:	142	Resp:	13678
Ion Ratio	Lower	Upper	
142	100		
141	86.4	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: 1.939 ng/ul m

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

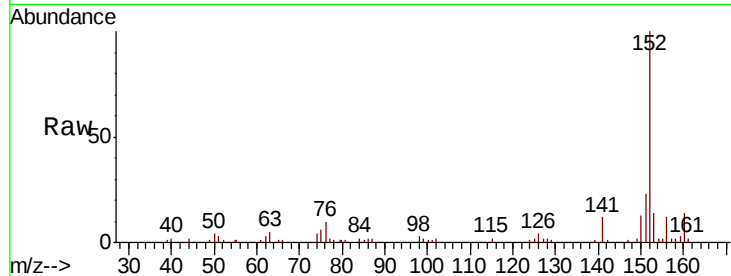
ClientSampled :

BFMG4

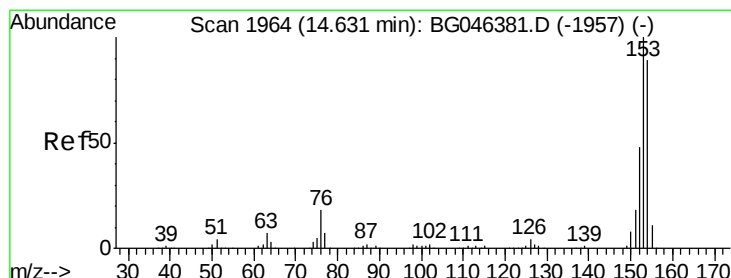
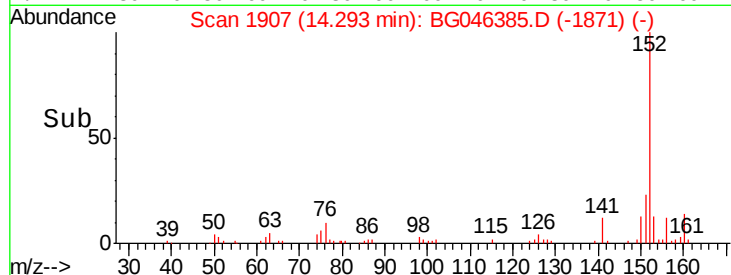
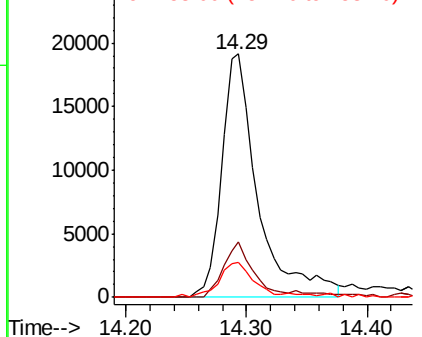
Tot Ion:	152	Resp:	40261
Ion Ratio	Lower	Upper	
152	100		
151	22.6	16.5	24.7
153	14.2	11.0	16.6

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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: 2.496 ng/ul

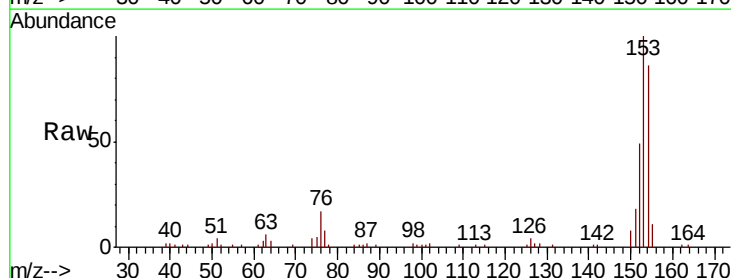
RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

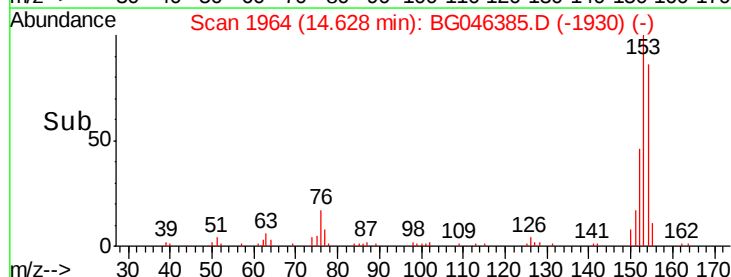
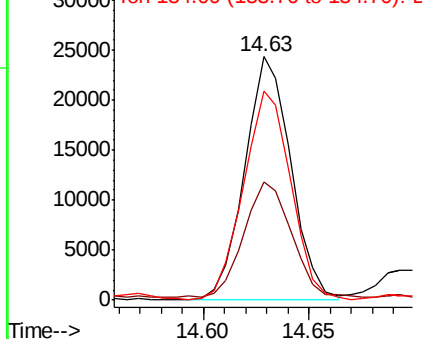
Lab File: BG046385.D

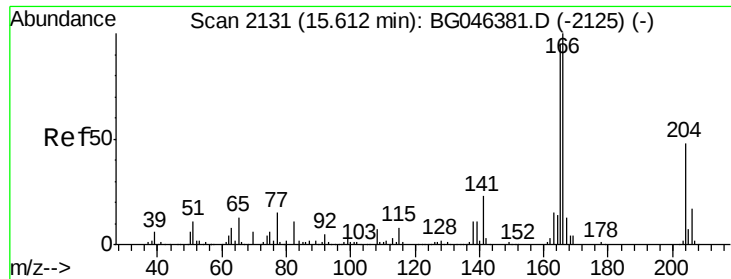
Acq: 20 Aug 2020 19:15

Tgt Ion:	153	Resp:	37008
Ion Ratio	Lower	Upper	
153	100		
152	48.7	37.2	55.8
154	85.9	67.8	101.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





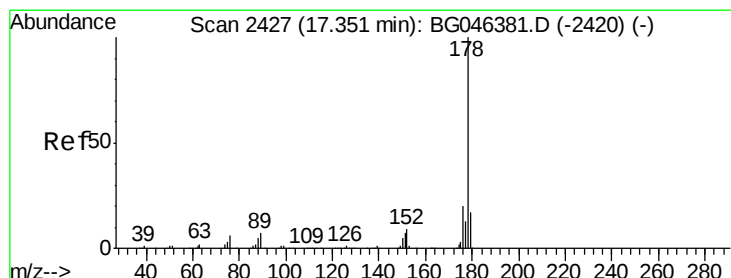
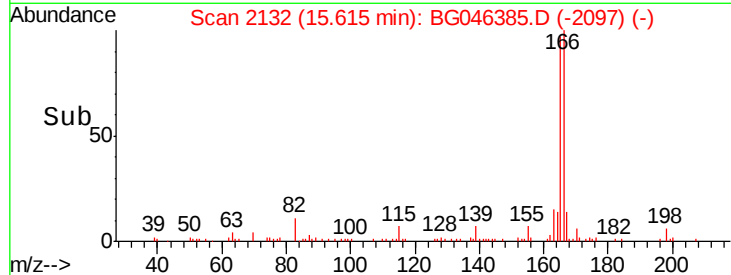
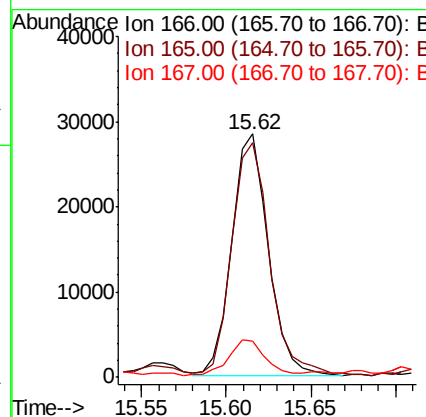
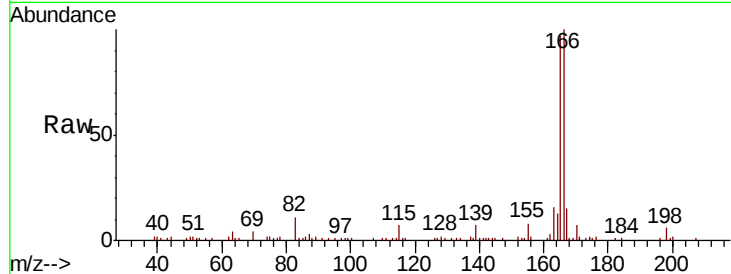
#11
Fluorene
Concen: 2.450 ng/ul
RT: 15.62 min Scan# 2132
Delta R.T. 0.00 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

Instrument :
BNA_G
ClientSampleId :
BFMG4

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	75.9	113.9
167	15.0	10.7	16.1

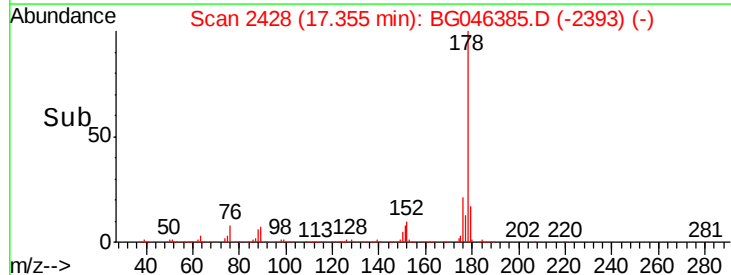
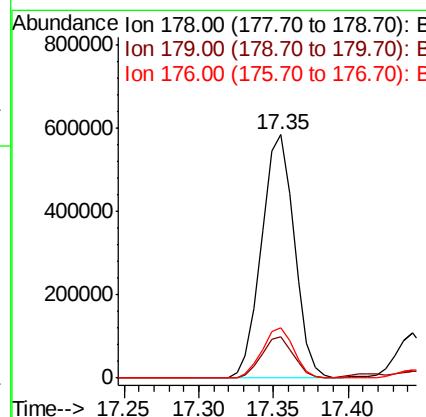
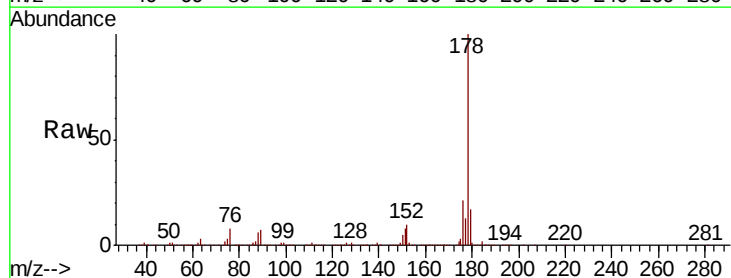
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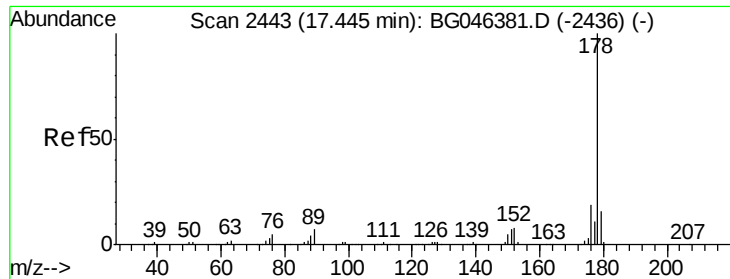
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#14
Phenanthrene
Concen: 31.546 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.8	19.2
176	20.8	15.8	23.8





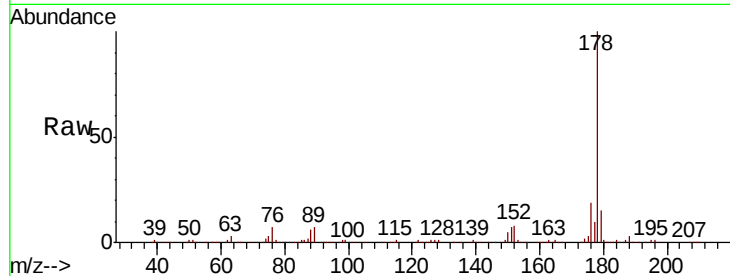
#16
 Anthracene
 Concen: 5.656 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046385.D
 Acq: 20 Aug 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :
 BFMG4

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	13.2	19.8
176	18.5	15.2	22.8

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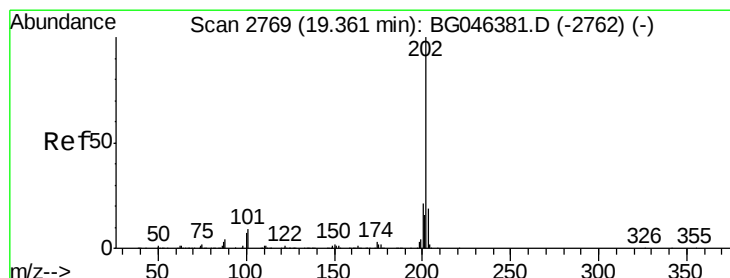
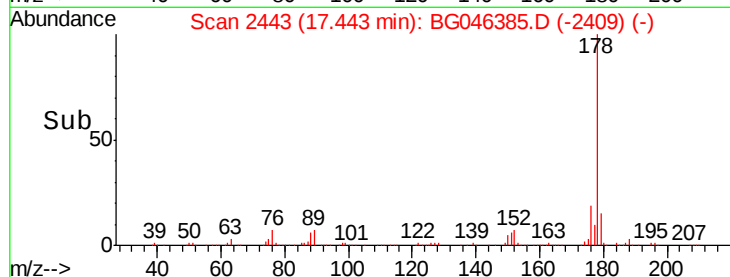
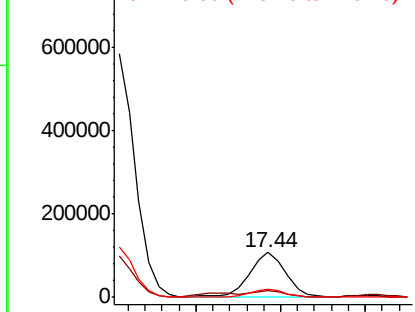


Abundance

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: 43.018 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046385.D
 Acq: 20 Aug 2020 19:15

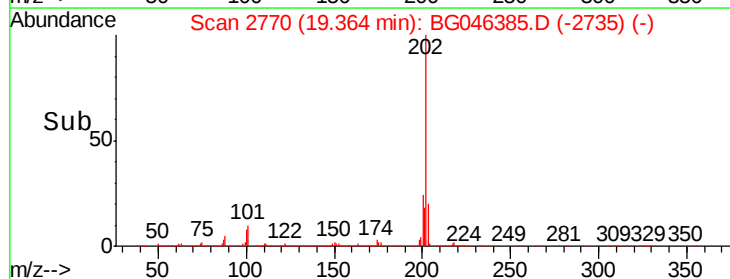
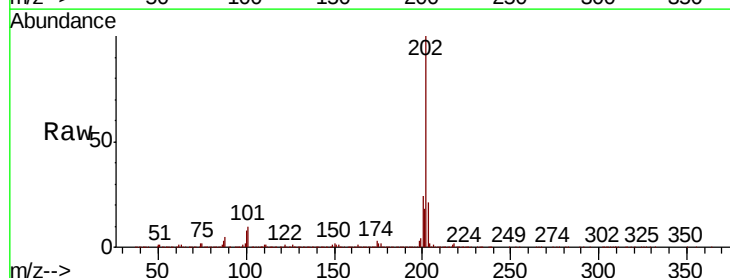
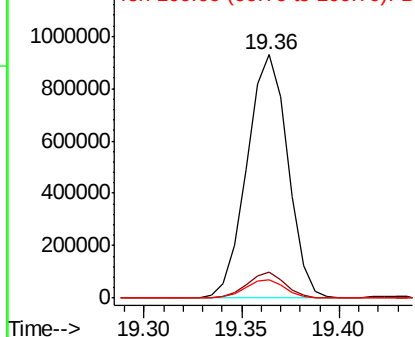
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	7.8	11.6
100	7.7	5.9	8.9

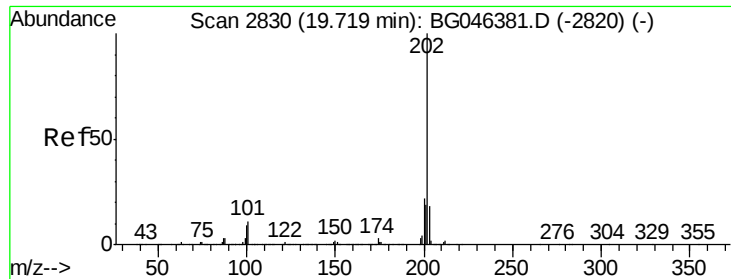
Abundance

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





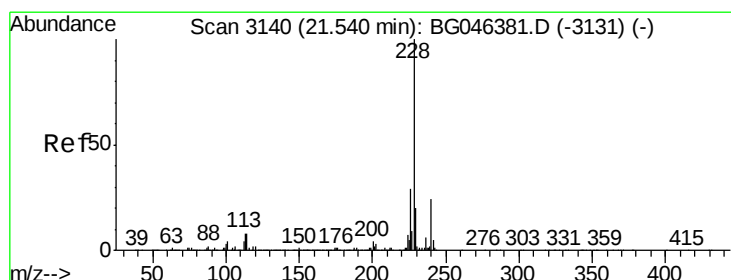
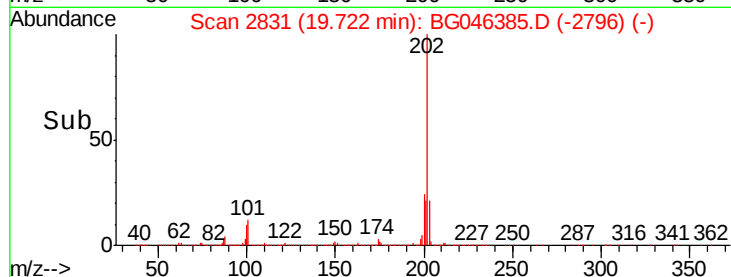
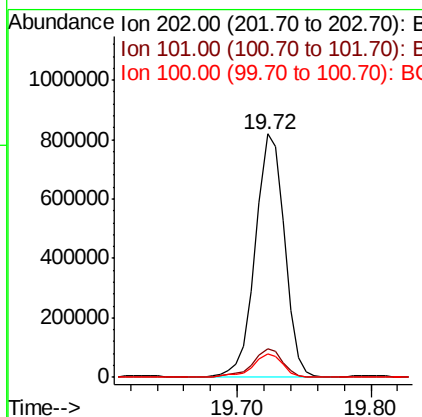
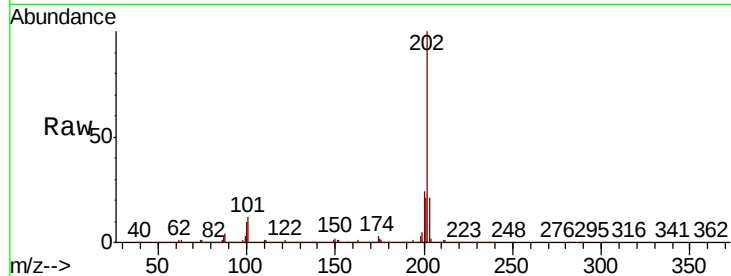
#20
Pvrene
Concen: 37.008 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

Instrument :
BNA_G
ClientSampleId :
BFMG4

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	8.9	13.3
100	9.7	7.9	11.9

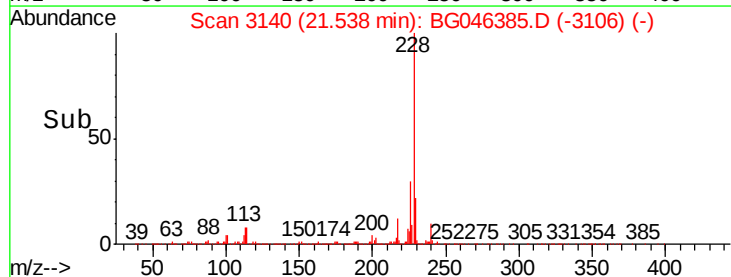
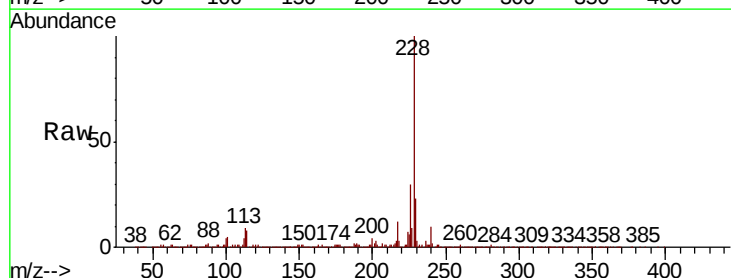
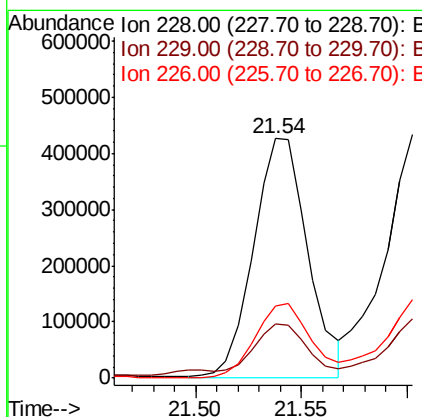
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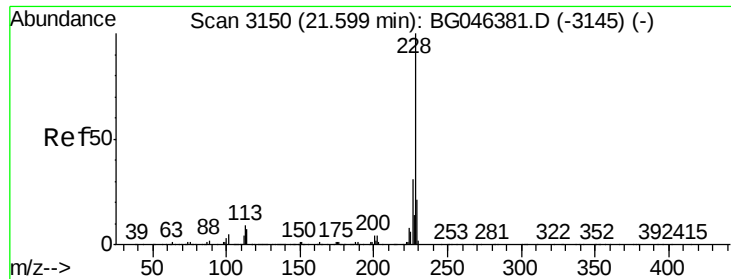
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#21
Benzo(a)anthracene
Concen: 23.003 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046385.D
Acq: 20 Aug 2020 19:15

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.5	16.6	25.0
226	30.0	22.6	33.8





#22

Chrysene

Concen: 24.216 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

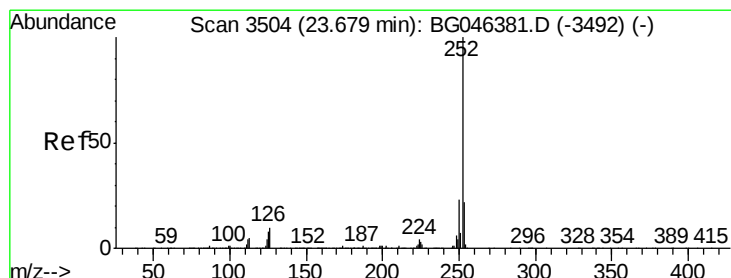
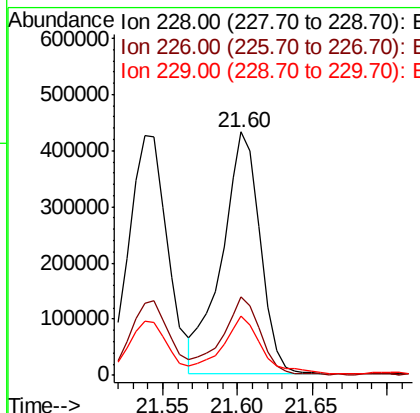
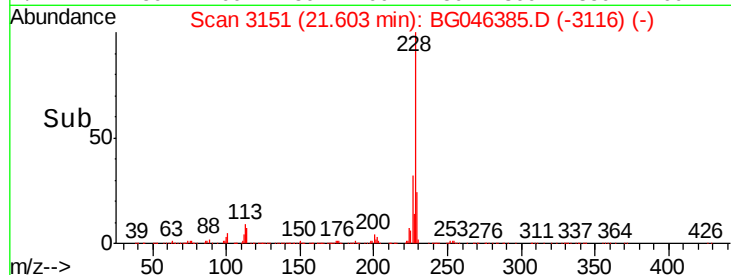
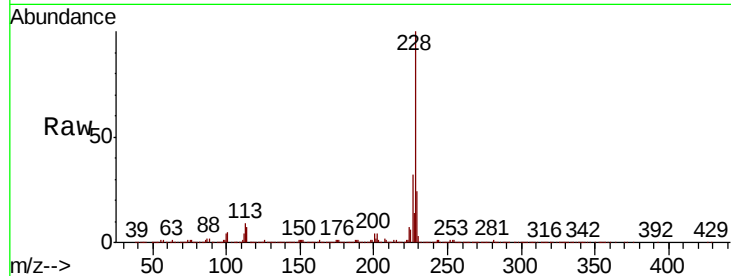
ClientSampleId :

BFMG4

Tot Ion:	228	Resp:	771914
Ion Ratio	Lower	Upper	
228	100		
226	32.0	25.5	38.3
229	24.1	17.0	25.4

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#24

Benzo(b)fluoranthene

Concen: 29.494 ng/ul

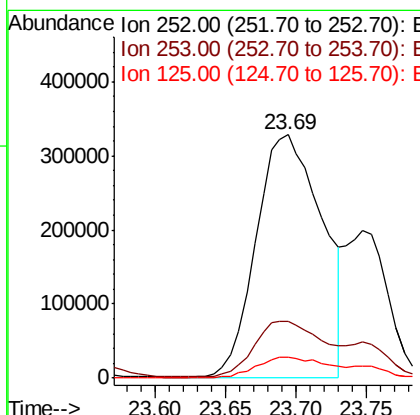
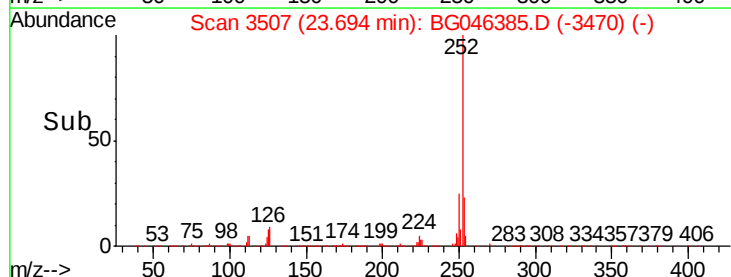
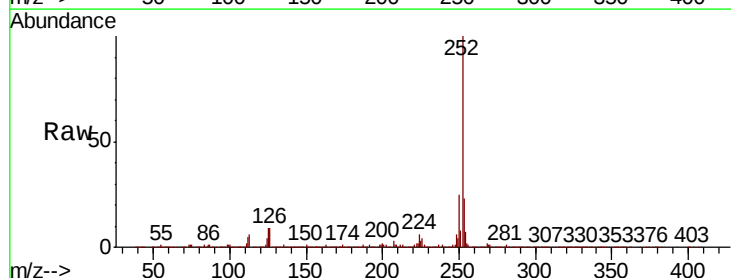
RT: 23.69 min Scan# 3507

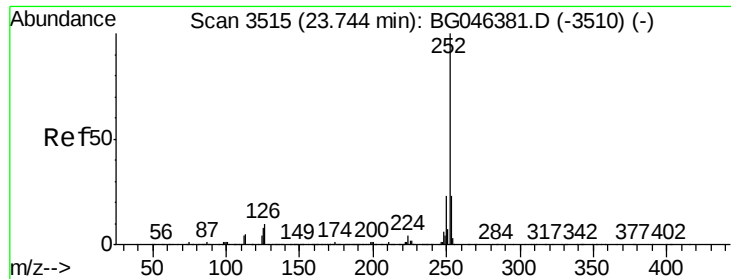
Delta R.T. 0.02 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Tgt Ion:	252	Resp:	1066767
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	8.7	6.4	9.6





#25

Benzo(k)fluoranthene

Concen: 11.282 ng/ul m

RT: 23.75 min Scan# 3516

Delta R.T. 0.00 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

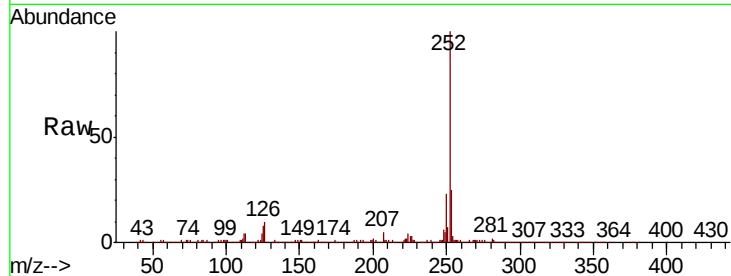
ClientSampleId :

BFMG4

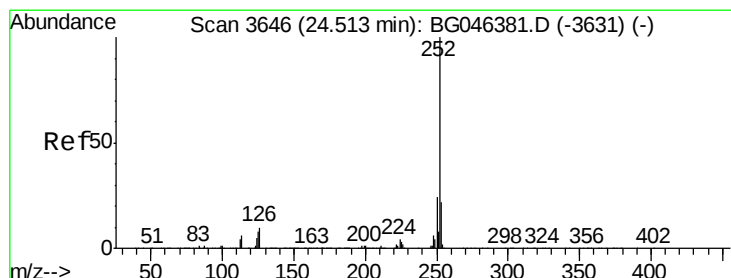
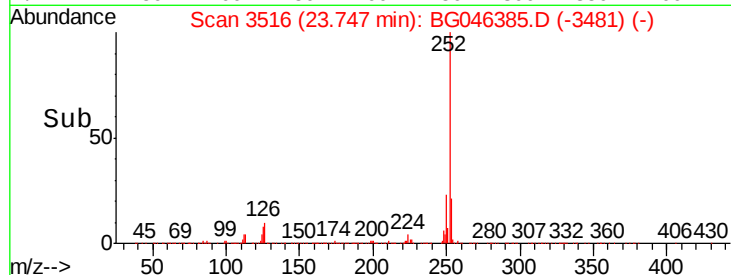
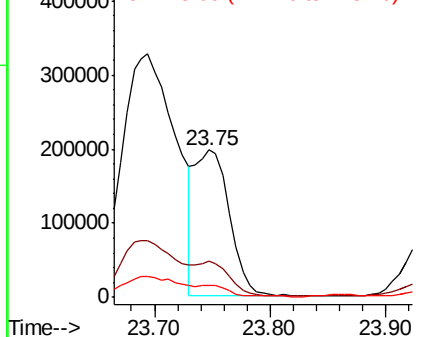
Tot Ion:	252	Resp:	404791
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.5	27.7
125	7.9	6.2	9.2

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8/21/2020 12:47:41 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: 23.580 ng/ul

RT: 24.52 min Scan# 3648

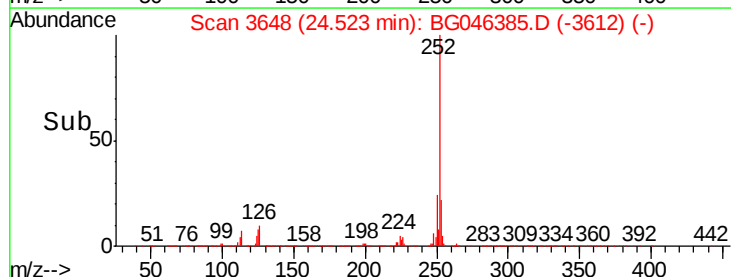
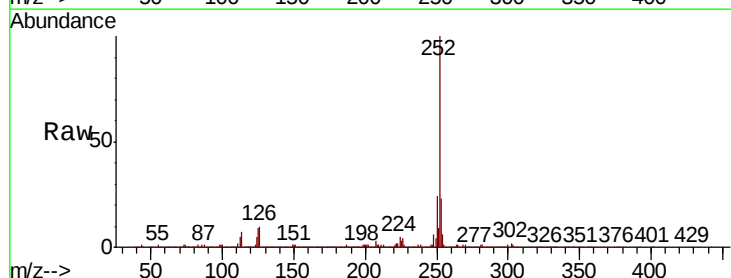
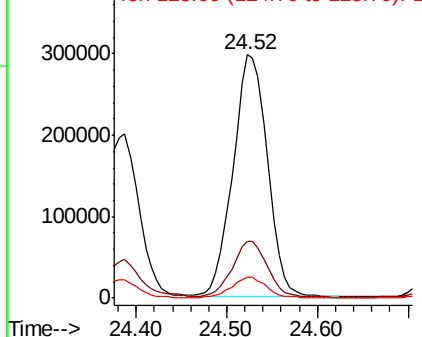
Delta R.T. 0.01 min

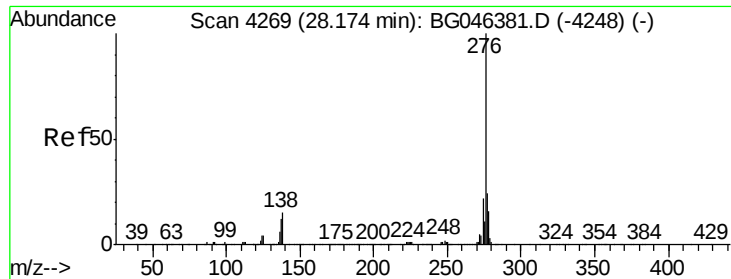
Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Tgt Ion:	252	Resp:	783015
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.8
125	8.6	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





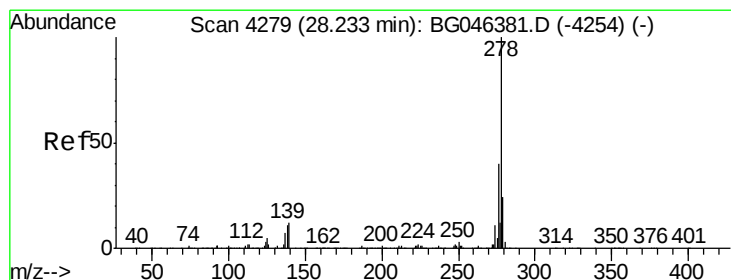
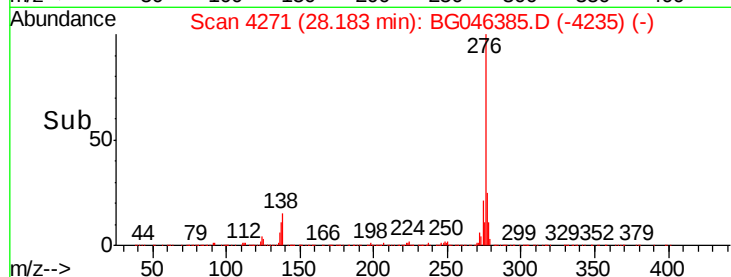
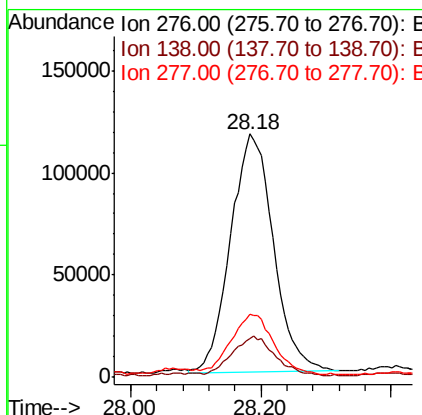
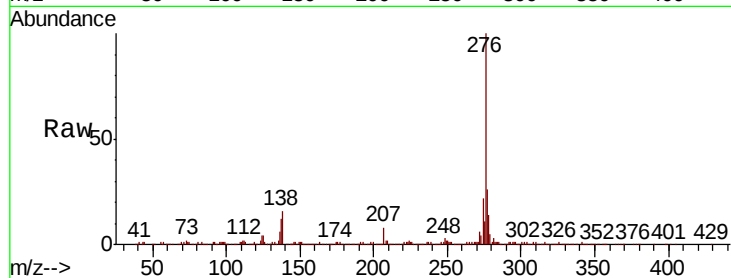
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 12.743 ng/ul
 RT: 28.18 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: BG046385.D
 Acq: 20 Aug 2020 19:15

Instrument :
 BNA_G
 ClientSampleId :
 BFMG4

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	25.9	19.9	29.9

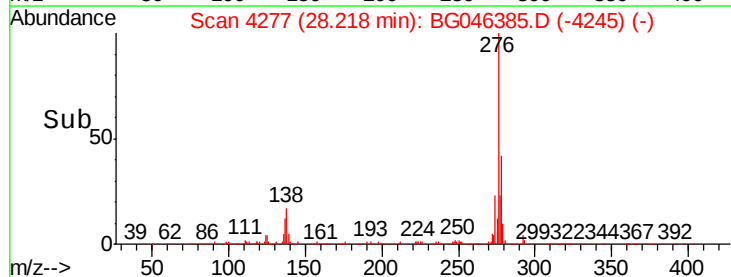
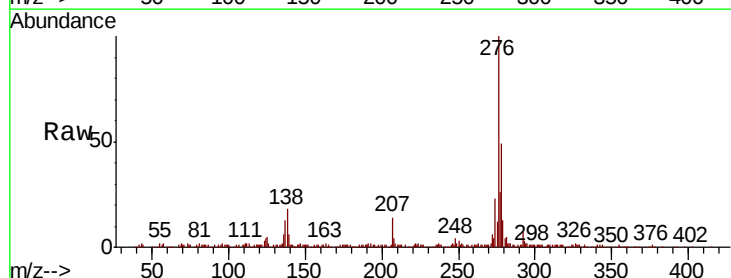
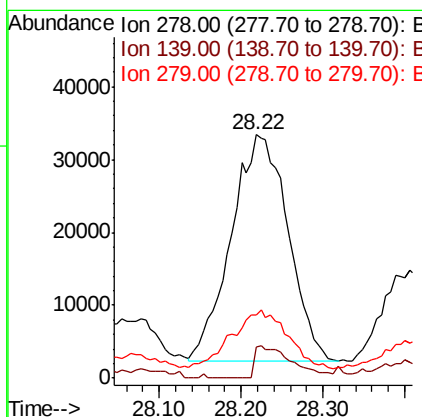
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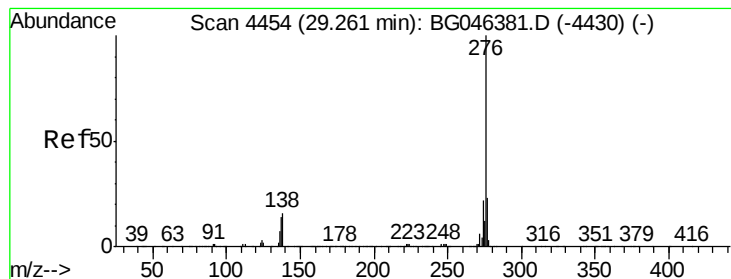
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#29
 Dibenzo(a,h)anthracene
 Concen: 4.473 ng/ul m
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.01 min
 Lab File: BG046385.D
 Acq: 20 Aug 2020 19:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	9.8	14.8
279	25.8	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 8.923 ng/ul

RT: 29.28 min Scan# 4457

Delta R.T. 0.02 min

Lab File: BG046385.D

Acq: 20 Aug 2020 19:15

Instrument :

BNA_G

ClientSampleId :

BFMG4

Tot Ion:	276	Resp:	310492
Ion Ratio	Lower	Upper	
276	100		
138	16.5	12.9	19.3
277	22.9	19.4	29.0

Manual Integrations
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