

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046370.D
 Acq On : 20 Aug 2020 8:26
 Operator : CG/JU
 Sample : L3633-04DL 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BFMA2DL

Manual Integrations
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Quant Time: Aug 20 11:08:58 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	81248	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	329891	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	211992	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	495489	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	512924	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	559046	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	78385	13.80	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	295691	15.16	ng/ul	0.00
10) Fluorene-d10	15.56	176	228866	15.31	ng/ul	0.00
15) Anthracene-d10	17.41	188	343040	14.93	ng/ul	0.00
19) Pyrene-d10	19.69	212	414189	15.69	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	468088	15.34	ng/ul	0.01
Target Compounds						
					Qvalue	
4) Naphthalene	10.79	128	84442	4.921	ng/ul	98
5) 2-Methylnaphthalene	12.40	142	37070	2.834	ng/ul	97
9) Acenaphthene	14.63	153	141026	9.956	ng/ul	97
11) Fluorene	15.61	166	182981	11.049	ng/ul	99
14) Phenanthrene	17.35	178	1716556	62.973	ng/ul	93
16) Anthracene	17.44	178	524506	19.070	ng/ul	99
17) Fluoranthene	19.36	202	1846305	60.744	ng/ul	96
20) Pyrene	19.73	202	1603702	47.632	ng/ul	98
21) Benzo(a)anthracene	21.54	228	985696	29.536	ng/ul	97
22) Chrysene	21.60	228	893430	27.694	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	1148665	31.071	ng/ul	97
25) Benzo(k)fluoranthene	23.75	252	444244m	12.114	ng/ul	
27) Benzo(a)pyrene	24.52	252	875081	25.783	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.18	276	525829	12.373	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	143205	4.156	ng/ul	98
30) Benzo(g,h,i)perylene	29.27	276	377649	10.618	ng/ul	99

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

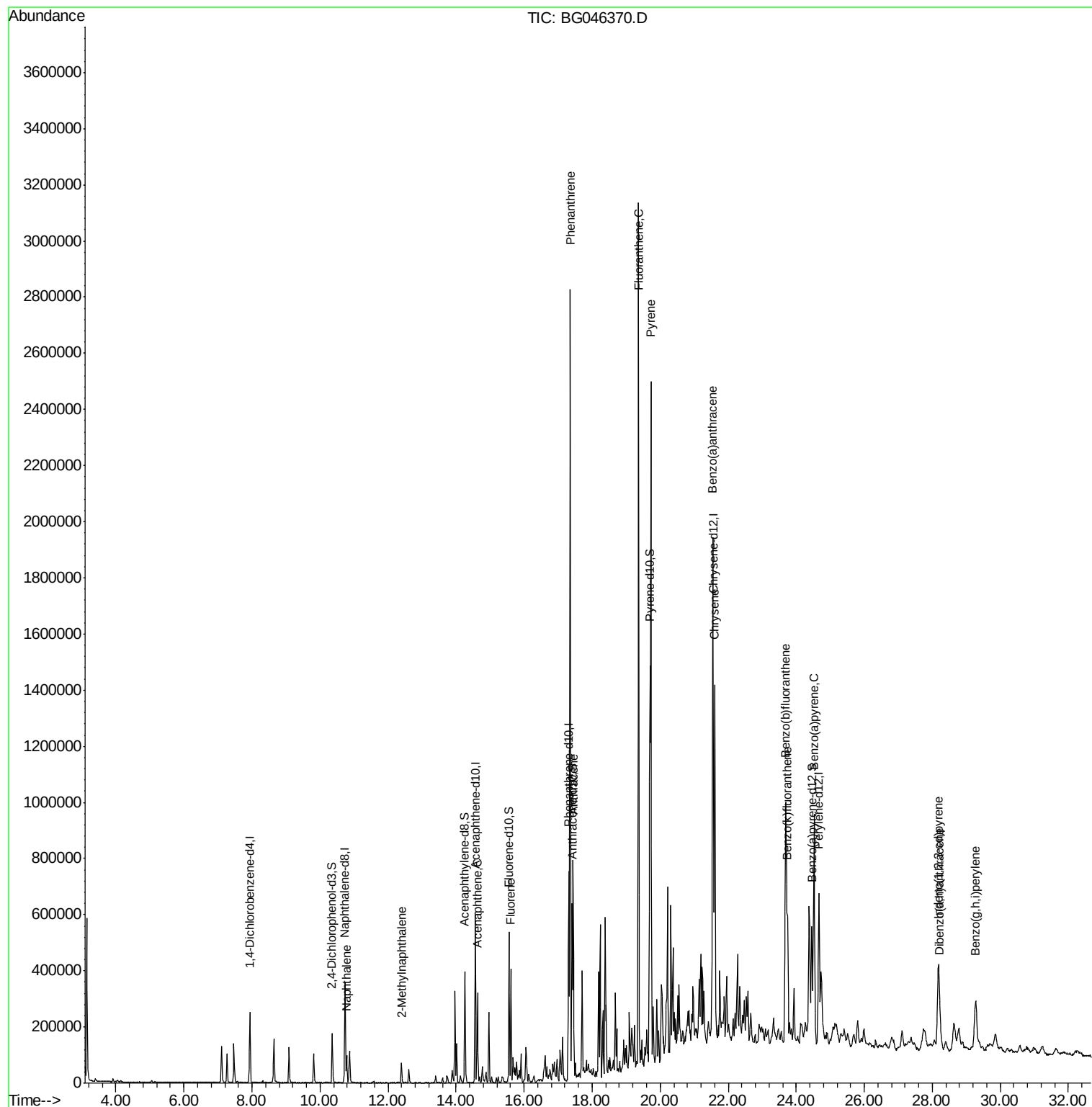
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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ALS Vial : 34 Sample Multiplier: 1

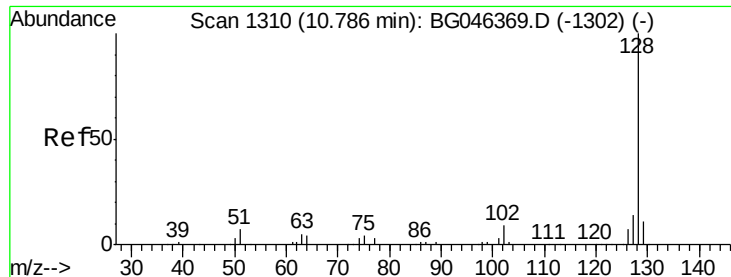
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Aug 20 11:08:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
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#4

Naphthalene

Concen: 4.921 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046370.D

Acq: 20 Aug 2020 8:26

Instrument :

BNA_G

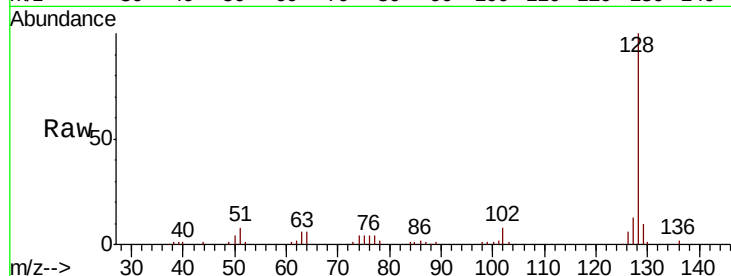
ClientSampleId :

BFMA2DL

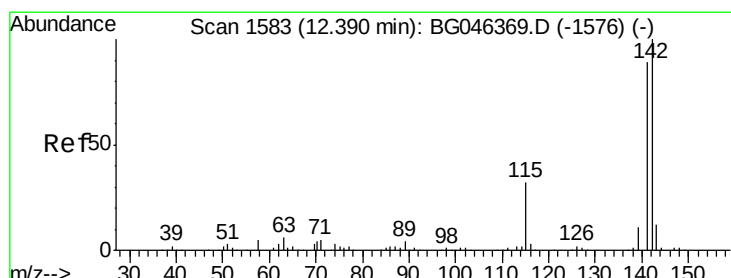
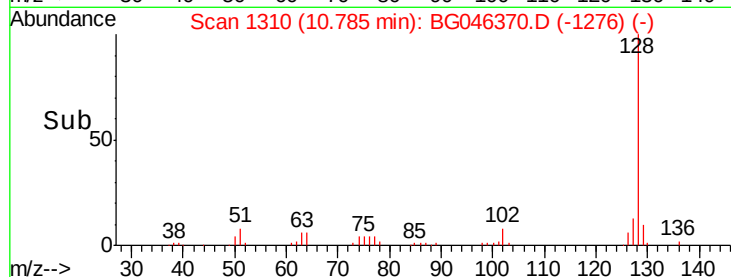
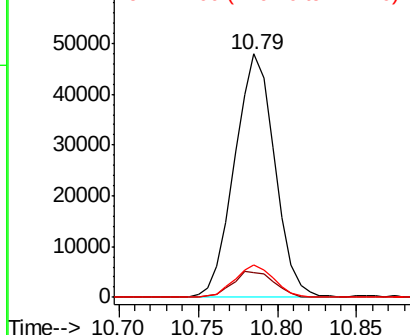
Tot Ion:	128	Resp:	84442
Ion Ratio	Lower	Upper	
128	100		
129	10.3	9.0	13.6
127	13.2	10.9	16.3

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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: 2.834 ng/ul

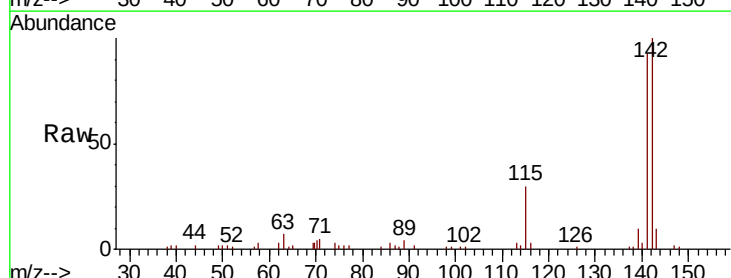
RT: 12.40 min Scan# 1584

Delta R.T. 0.00 min

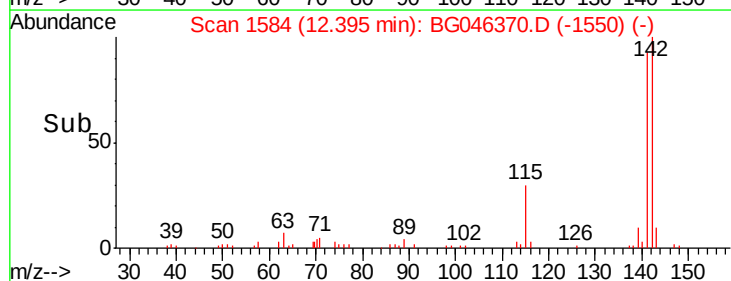
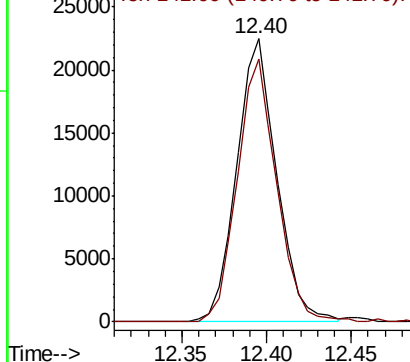
Lab File: BG046370.D

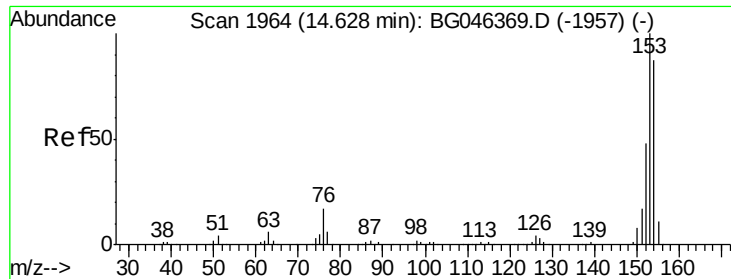
Acq: 20 Aug 2020 8:26

Tgt Ion:	142	Resp:	37070
Ion Ratio	Lower	Upper	
142	100		
141	93.0	72.5	108.7



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





#9

Acenaphthene

Concen: 9.956 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG046370.D

Acq: 20 Aug 2020 8:26

Instrument :

BNA_G

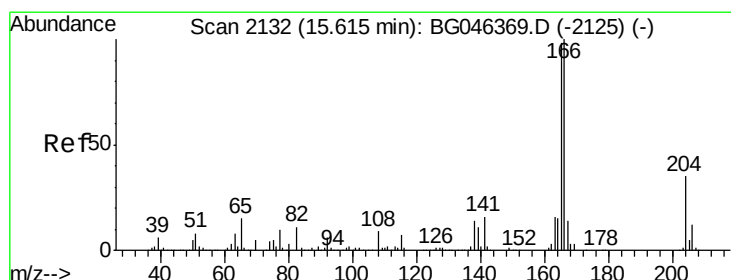
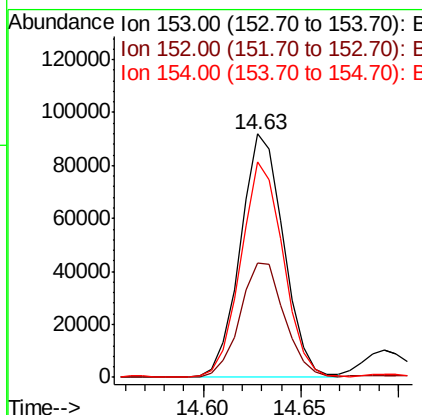
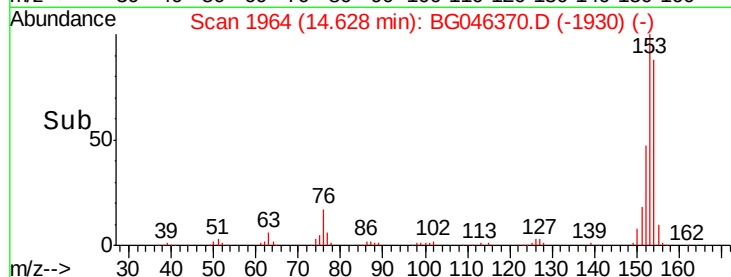
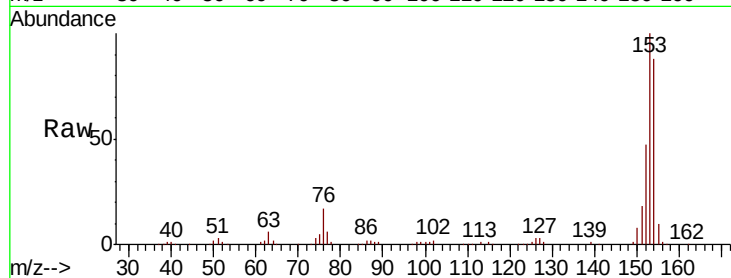
ClientSampleId :

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Tot Ion:	153	Resp:	141026
Ion Ratio	Lower	Upper	
153	100		
152	46.8	37.2	55.8
154	88.5	67.8	101.6

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#11

Fluorene

Concen: 11.049 ng/ul

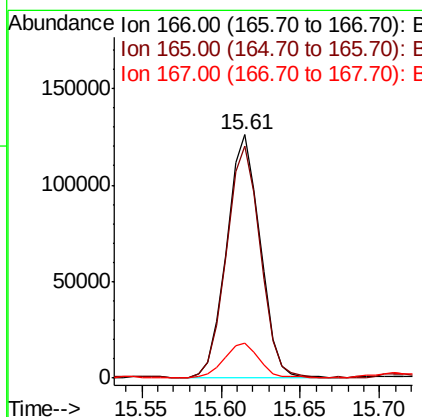
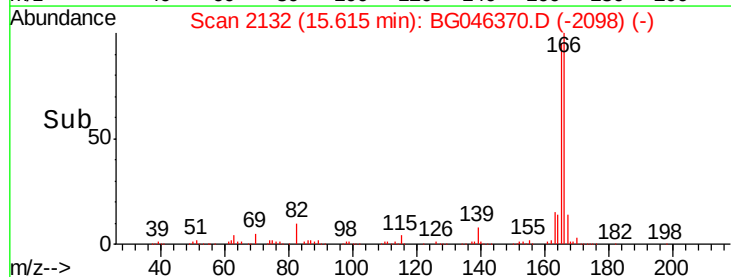
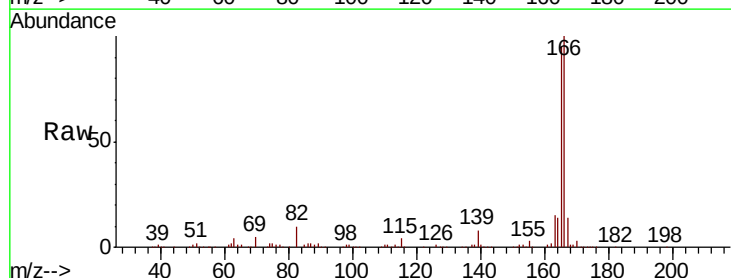
RT: 15.61 min Scan# 2132

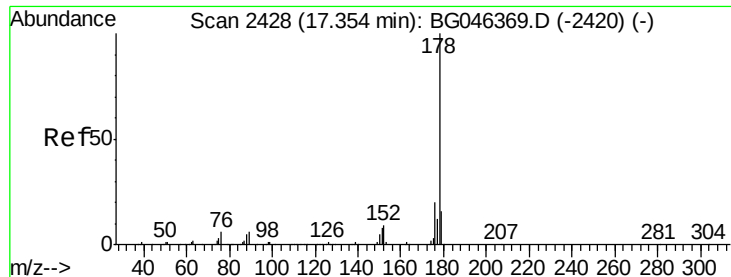
Delta R.T. 0.00 min

Lab File: BG046370.D

Acq: 20 Aug 2020 8:26

Tgt Ion:	166	Resp:	182981
Ion Ratio	Lower	Upper	
166	100		
165	95.4	75.9	113.9
167	14.2	10.7	16.1





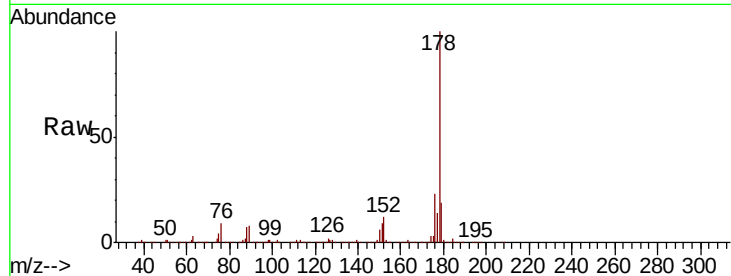
#14
Phenanthrene
Concen: 62.973 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Instrument :
BNA_G
ClientSampled :
BFMA2DL

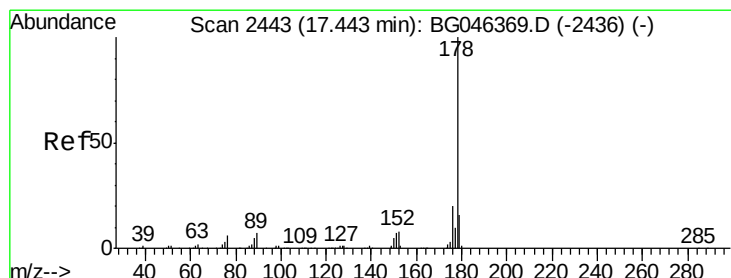
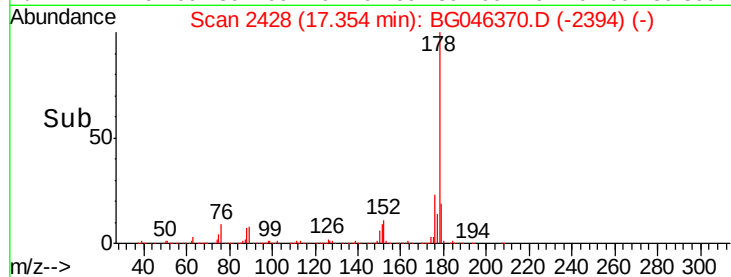
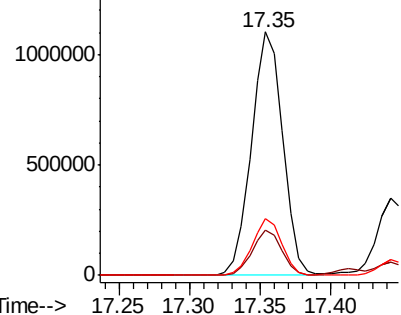
Tot Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.8	19.2
176	23.1	15.8	23.8

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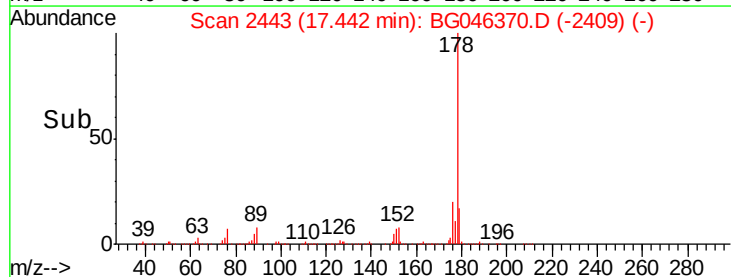
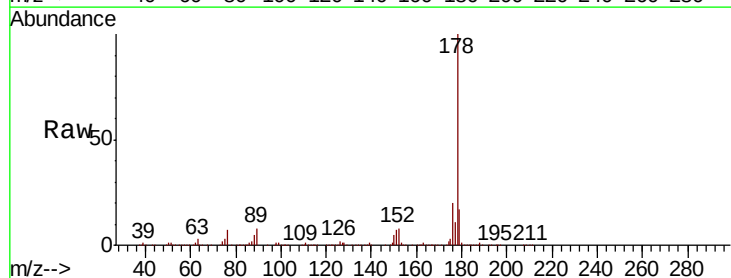
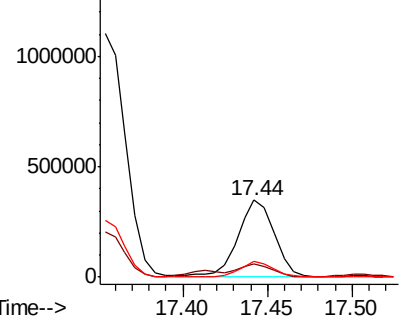
Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

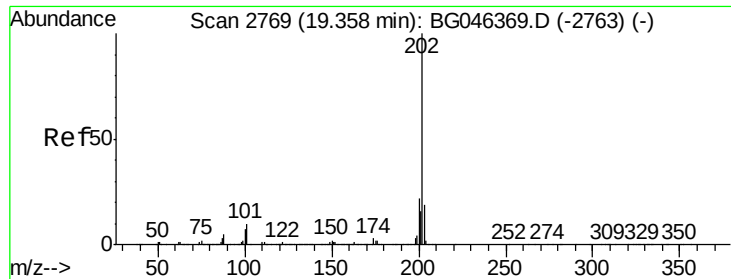


#16
Anthracene
Concen: 19.070 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	13.2	19.8
176	19.9	15.2	22.8

Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





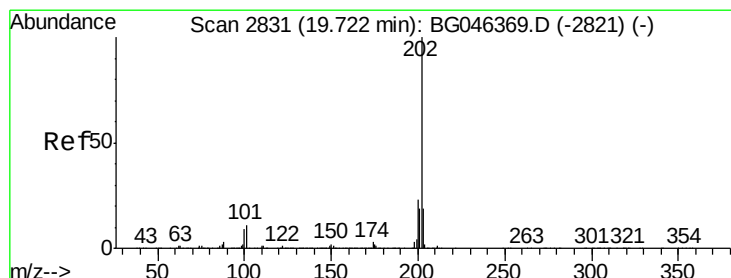
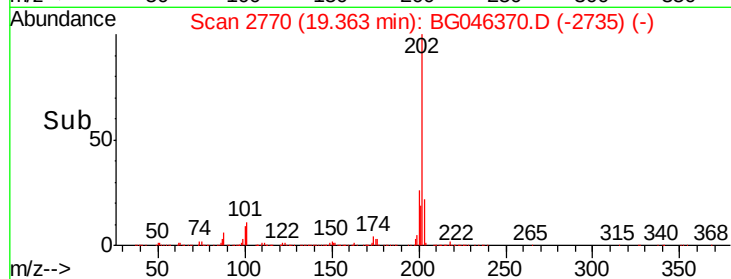
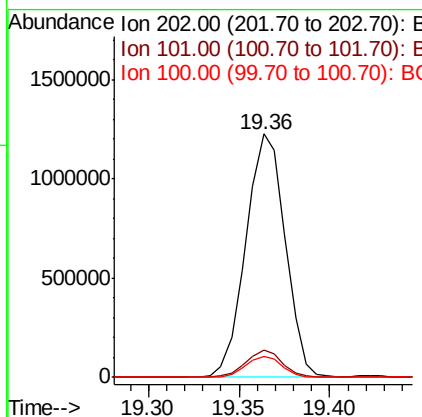
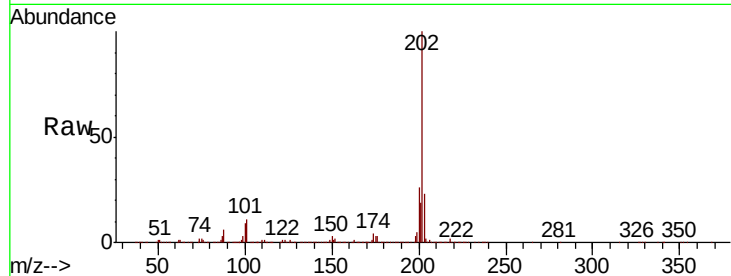
#17
 Fluoranthene
 Concen: 60.744 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.01 min
 Lab File: BG046370.D
 Acq: 20 Aug 2020 8:26

Instrument :
 BNA_G
 ClientSampleId :
 BFMA2DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	7.8	11.6
100	8.7	5.9	8.9

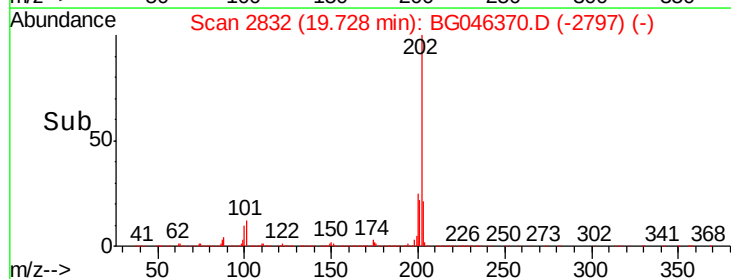
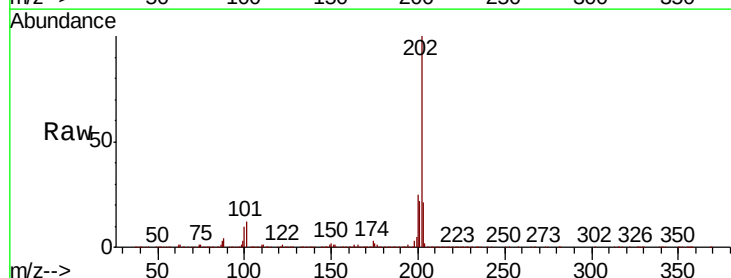
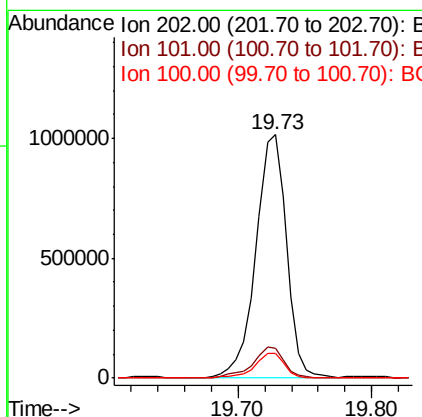
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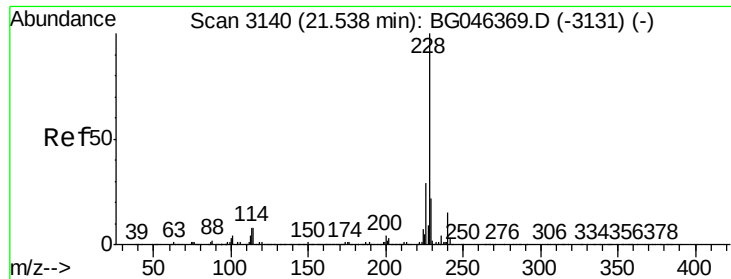
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#20
 Pyrene
 Concen: 47.632 ng/ul
 RT: 19.73 min Scan# 2832
 Delta R.T. 0.01 min
 Lab File: BG046370.D
 Acq: 20 Aug 2020 8:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.9	13.3
100	10.1	7.9	11.9





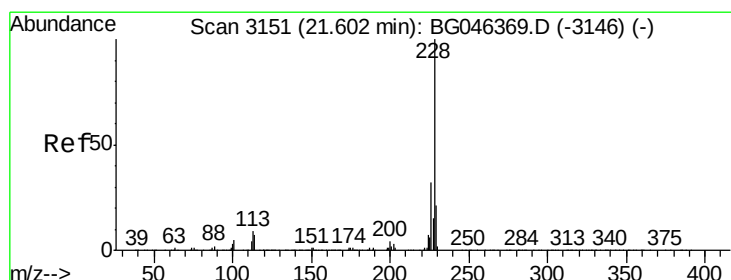
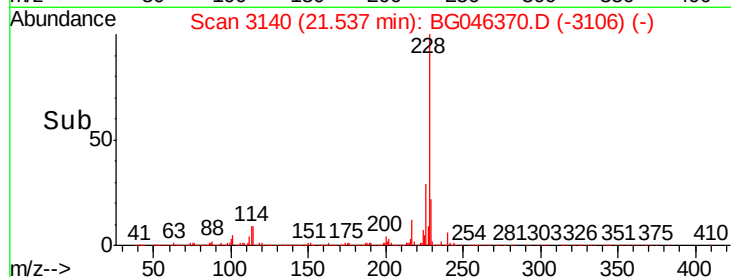
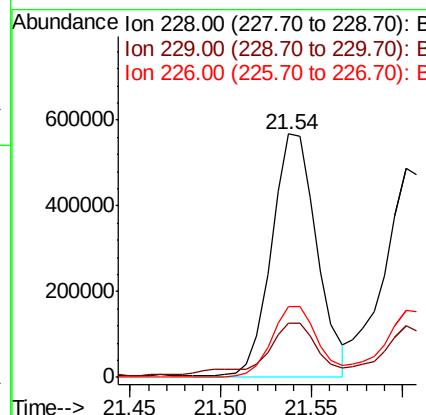
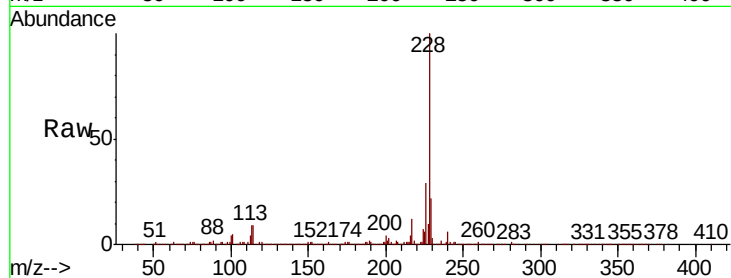
#21
Benzo(a)anthracene
Concen: 29.536 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Instrument :
BNA_G
ClientSampleId :
BFMA2DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	985696		
229	22.2	16.6	25.0	
226	29.3	22.6	33.8	

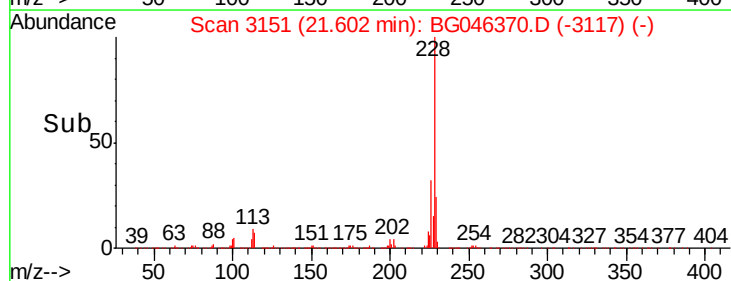
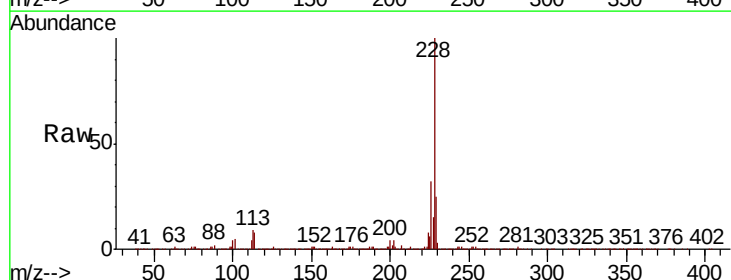
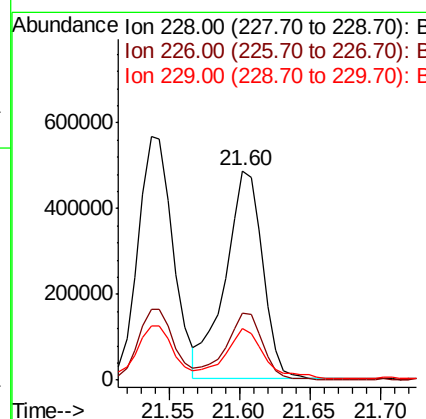
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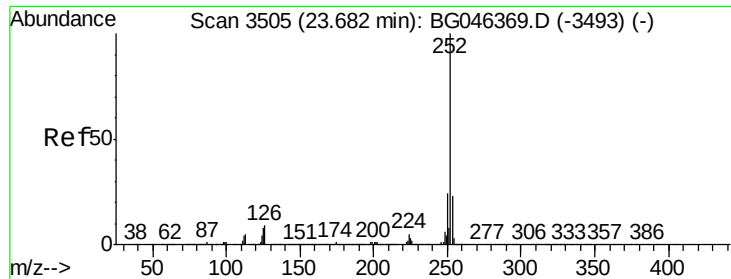
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#22
Chrysene
Concen: 27.694 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. 0.00 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	893430		
226	32.1	25.5	38.3	
229	24.6	17.0	25.4	





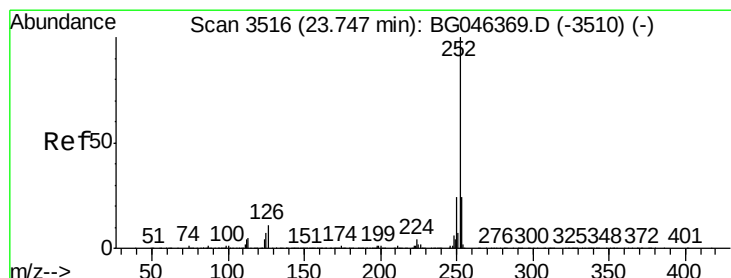
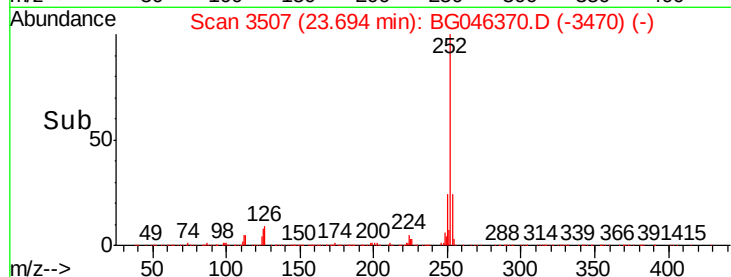
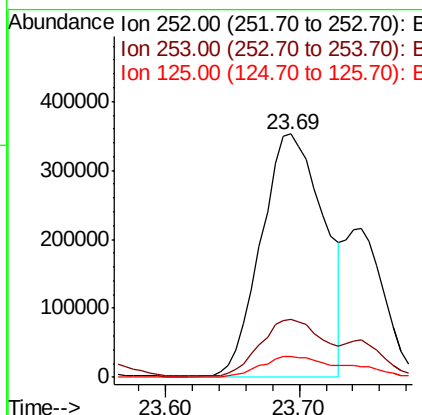
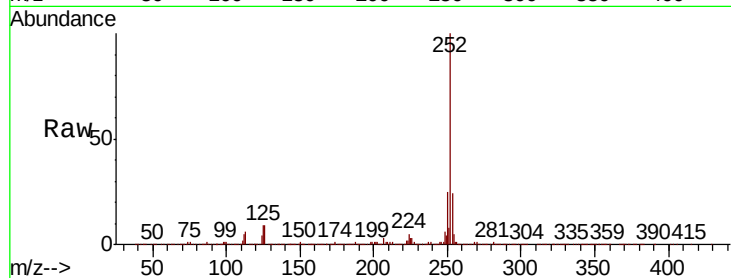
#24
Benzo(b)fluoranthene
Concen: 31.071 ng/ul
RT: 23.69 min Scan# 3507
Delta R.T. 0.02 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Instrument :
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ClientSampleId :
BFMA2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	8.6	6.4	9.6

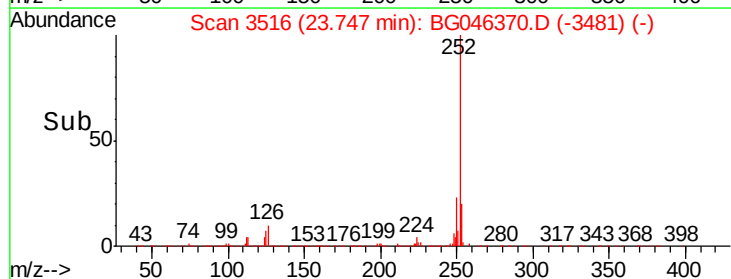
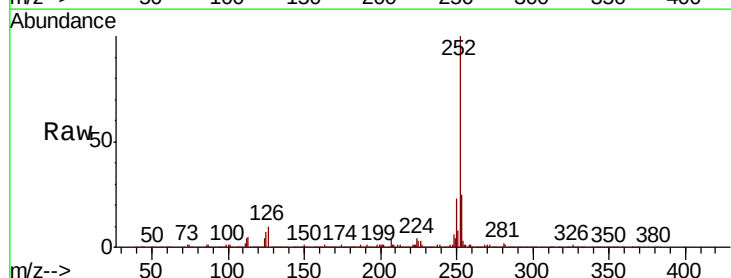
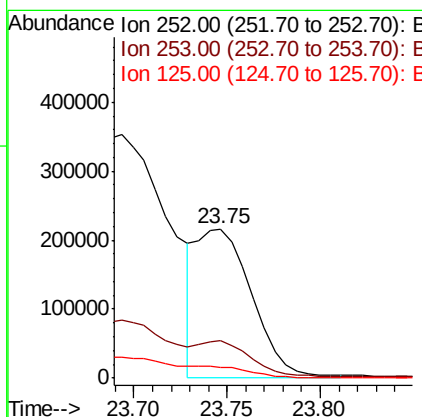
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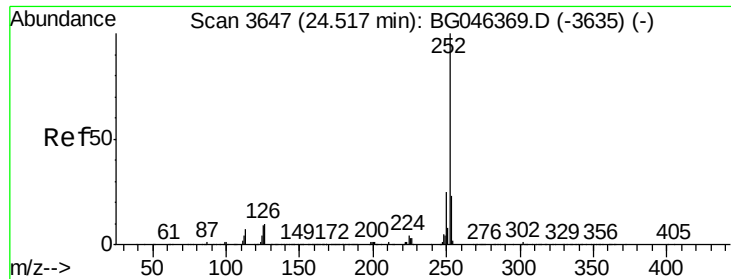
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#25
Benzo(k)fluoranthene
Concen: 12.114 ng/ul m
RT: 23.75 min Scan# 3516
Delta R.T. 0.01 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.5	27.7
125	7.5	6.2	9.2





#27

Benzo(a)pyrene

Concen: 25.783 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. 0.01 min

Lab File: BG046370.D

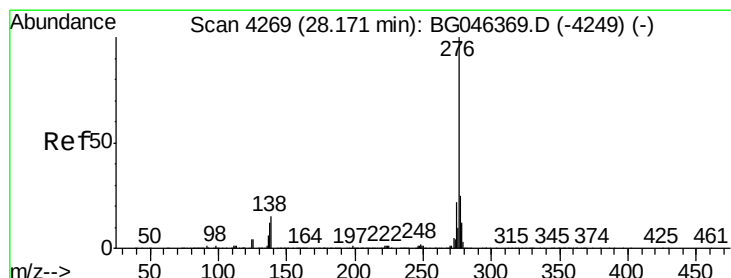
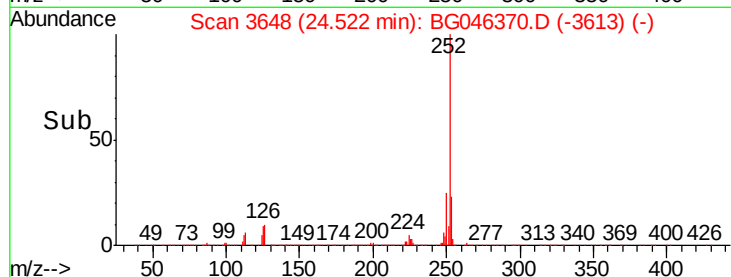
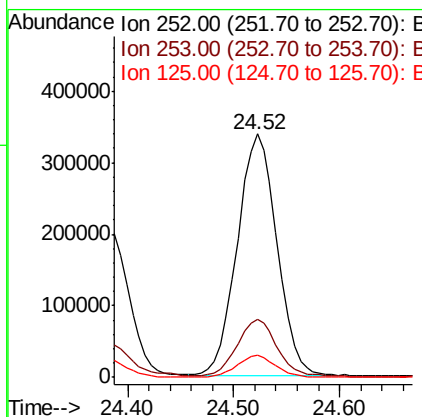
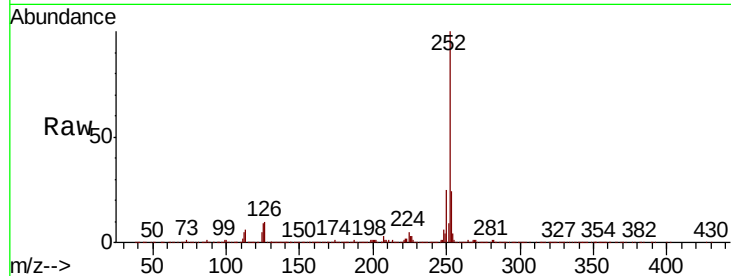
Acq: 20 Aug 2020 8:26

Instrument :
BNA_G
ClientSampleID :
BFMA2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	9.0	7.1	10.7

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#28

Indeno(1,2,3-cd)pyrene

Concen: 12.373 ng/ul

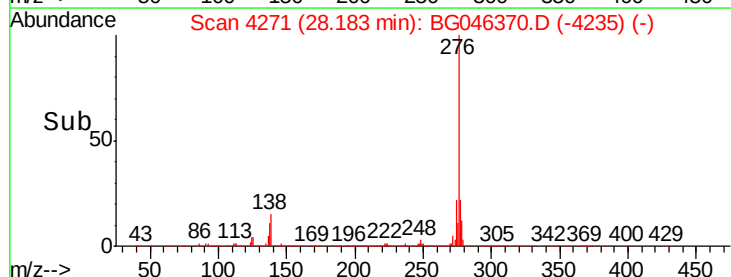
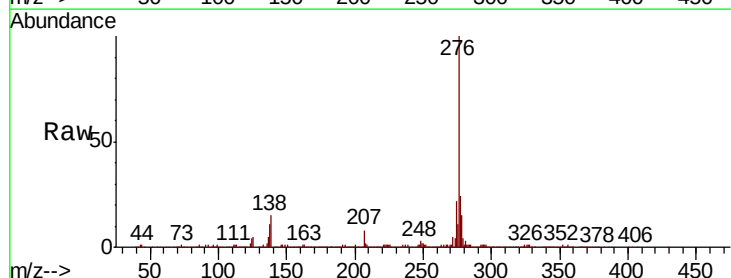
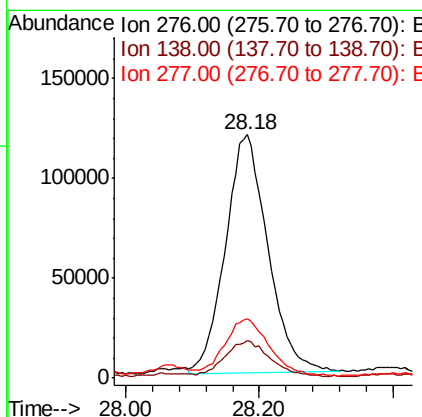
RT: 28.18 min Scan# 4271

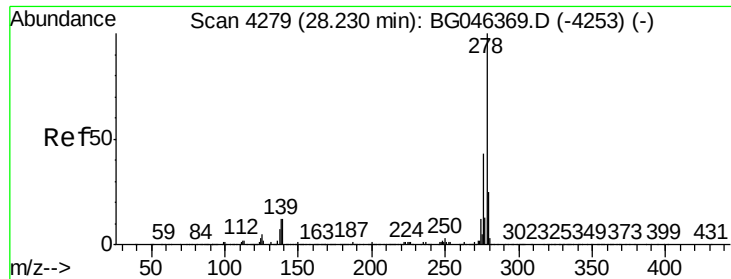
Delta R.T. 0.01 min

Lab File: BG046370.D

Acq: 20 Aug 2020 8:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	13.2	19.8
277	24.1	19.9	29.9





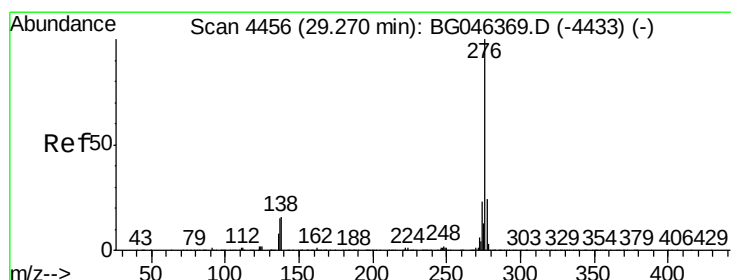
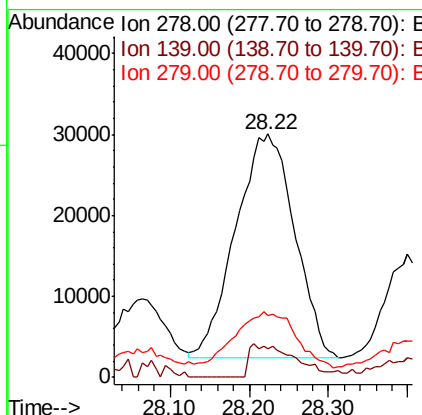
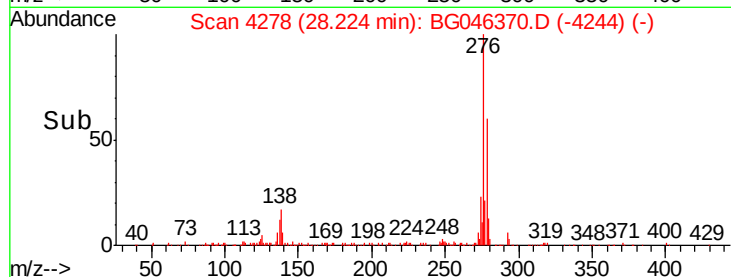
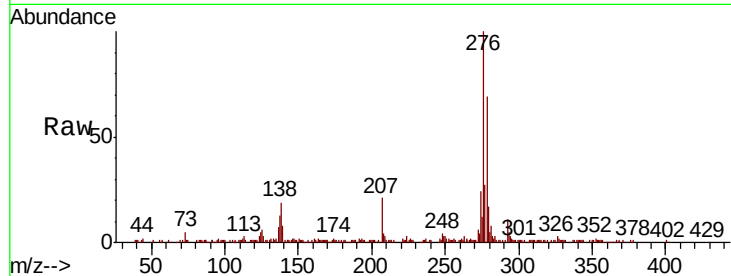
#29
Dibenzo(a,h)anthracene
Concen: 4.156 ng/ul
RT: 28.22 min Scan# 4278
Delta R.T. 0.00 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Instrument :
BNA_G
ClientSampleId :
BFMA2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.6	9.8	14.8
279	25.3	19.7	29.5

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:45 PM



#30
Benzo(g,h,i)perylene
Concen: 10.618 ng/ul
RT: 29.27 min Scan# 4456
Delta R.T. 0.01 min
Lab File: BG046370.D
Acq: 20 Aug 2020 8:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	12.9	19.3
277	23.6	19.4	29.0

