

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046406.D
 Acq On : 21 Aug 2020 10:01
 Operator : CG/JU
 Sample : L3635-20
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMJ6

Manual Integrations
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Quant Time: Aug 21 12:55:57 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	95845	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	392553	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	257113	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	549046	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	530820	20.00	ng/ul	0.00
23) Perylene-d12	24.68	264	591035	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	116215	17.19	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	444254	18.77	ng/ul	0.00
10) Fluorene-d10	15.56	176	342545	18.89	ng/ul	0.00
15) Anthracene-d10	17.41	188	481531	18.92	ng/ul	0.00
19) Pyrene-d10	19.70	212	533839	19.54	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	583497	18.09	ng/ul	0.02
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	51416	2.137	ng/ul#	94
9) Acenaphthene	14.63	153	19157	1.115	ng/ul	94
11) Fluorene	15.61	166	28013	1.395	ng/ul	96
14) Phenanthrene	17.35	178	663624	21.971	ng/ul	99
16) Anthracene	17.45	178	116281	3.815	ng/ul	98
17) Fluoranthene	19.37	202	1188615	35.291	ng/ul	100
20) Pyrene	19.73	202	1118367	32.097	ng/ul	99
21) Benzo(a)anthracene	21.54	228	637994	18.473	ng/ul	95
22) Chrysene	21.61	228	654235	19.596	ng/ul	98
24) Benzo(b)fluoranthene	23.70	252	935372	23.932	ng/ul	98
25) Benzo(k)fluoranthene	23.75	252	321497m	8.292	ng/ul	
27) Benzo(a)pyrene	24.53	252	635102	17.700	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.21	276	421229	9.376	ng/ul	99
29) Dibenzo(a,h)anthracene	28.25	278	107982	2.964	ng/ul	94
30) Benzo(a,h,i)perylene	29.30	276	352097	9.364	ng/ul	99

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

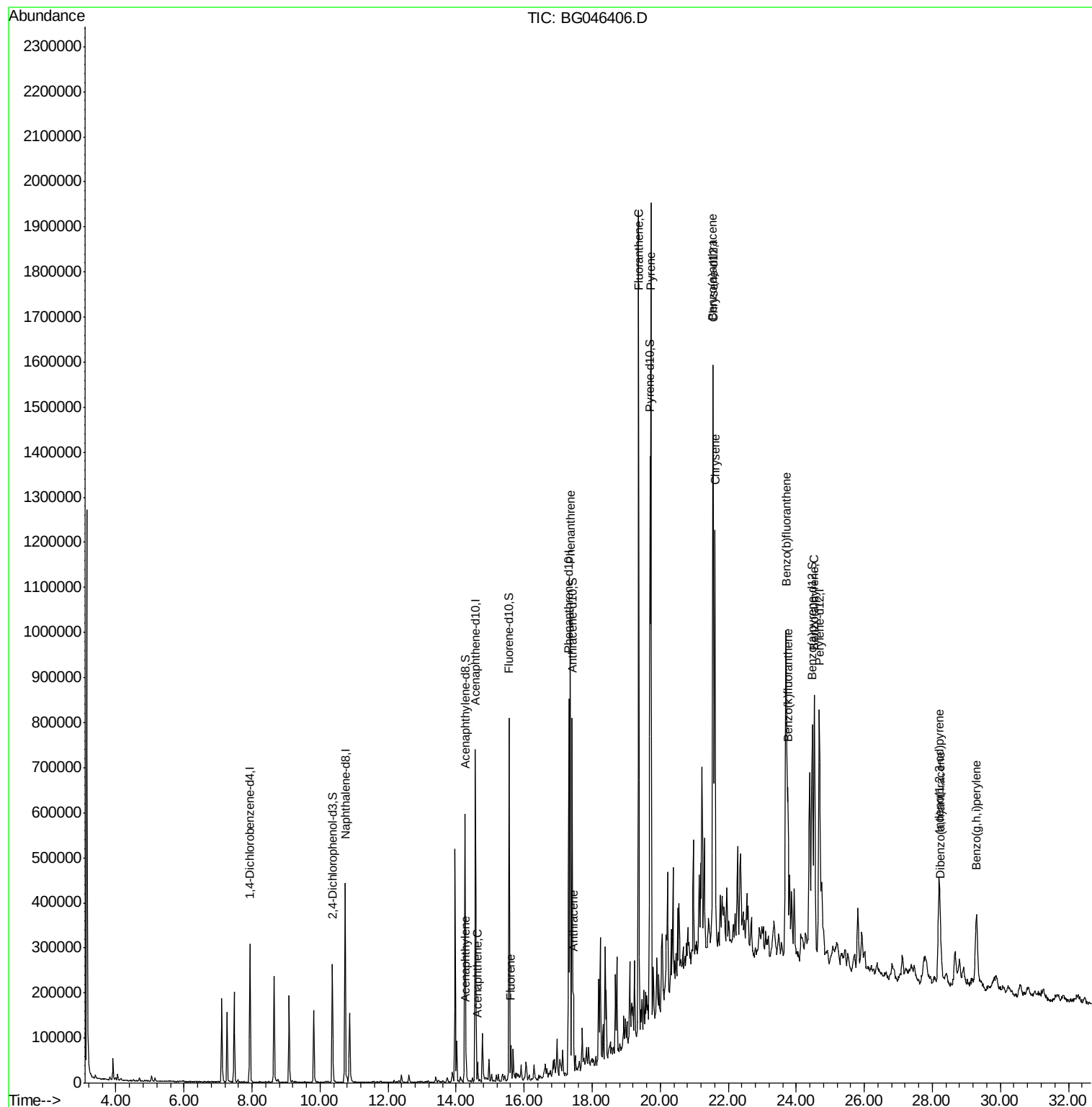
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046406.D
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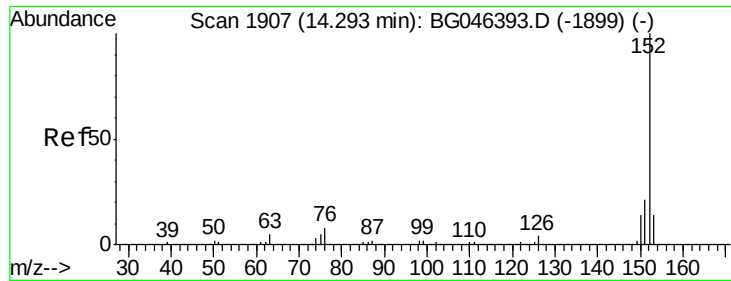
Instrument :
BNA_G
ClientSampleId :
BFMJ6

Quant Time: Aug 21 12:55:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
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#8

Acenaphthylene

Concen: 2.137 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046406.D

Acq: 21 Aug 2020 10:01

Instrument :

BNA_G

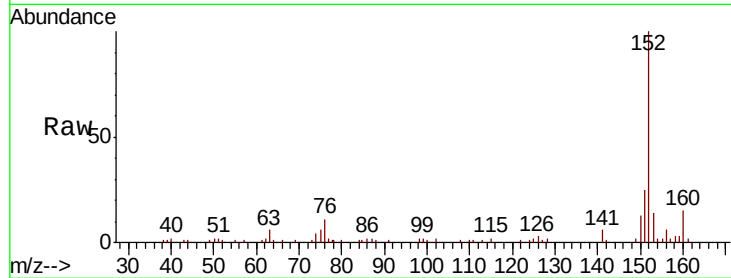
ClientSampled :

BFMJ6

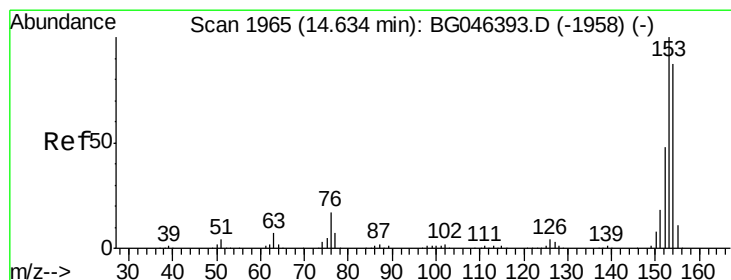
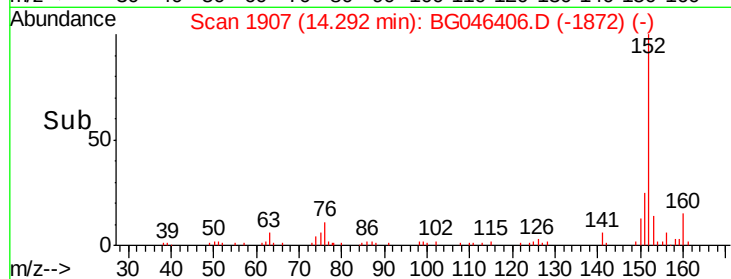
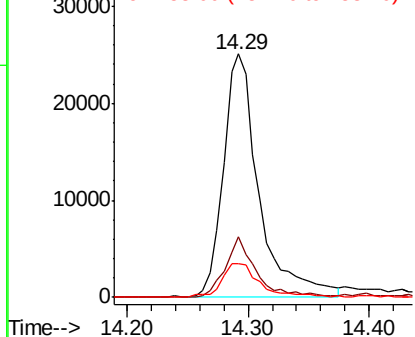
Tot Ion:	152	Resp:	51416
Ion Ratio	Lower	Upper	
152	100		
151	25.0	16.5	24.7#
153	13.9	11.0	16.6

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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: 1.115 ng/ul

RT: 14.63 min Scan# 1965

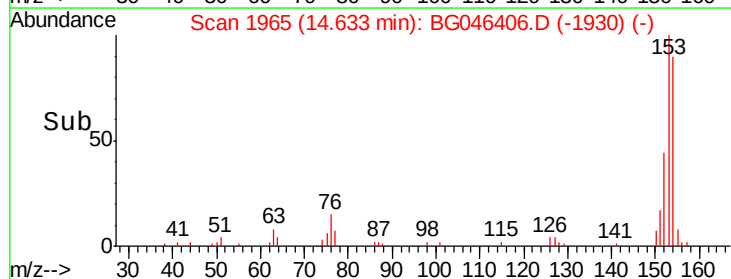
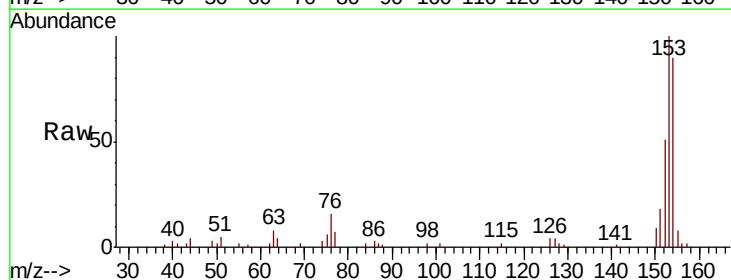
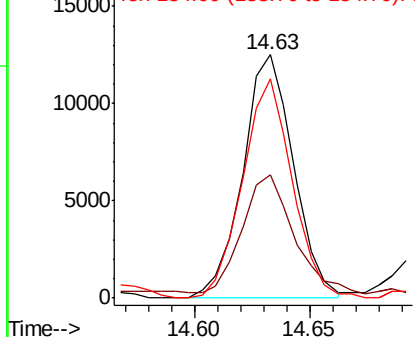
Delta R.T. 0.00 min

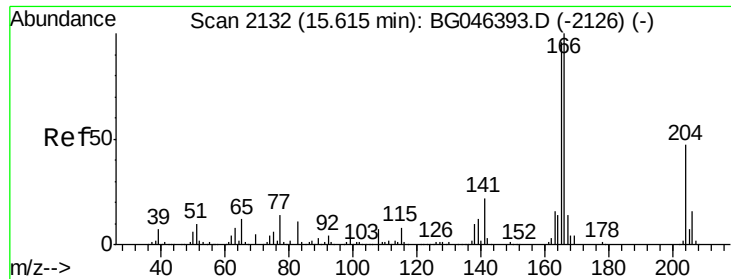
Lab File: BG046406.D

Acq: 21 Aug 2020 10:01

Tgt Ion:	153	Resp:	19157
Ion Ratio	Lower	Upper	
153	100		
152	50.7	37.2	55.8
154	90.2	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





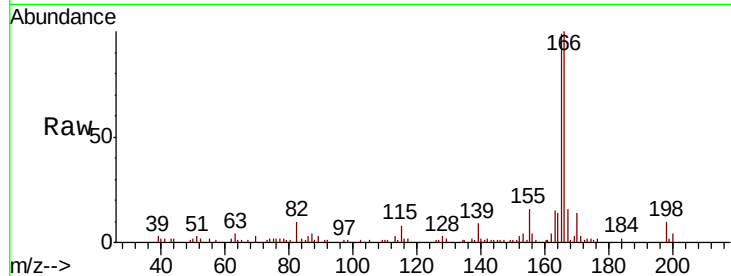
#11
 Fluorene
 Concen: 1.395 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.00 min
 Lab File: BG046406.D
 Acq: 21 Aug 2020 10:01

Instrument :
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 ClientSampled :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	75.9	113.9
167	15.8	10.7	16.1

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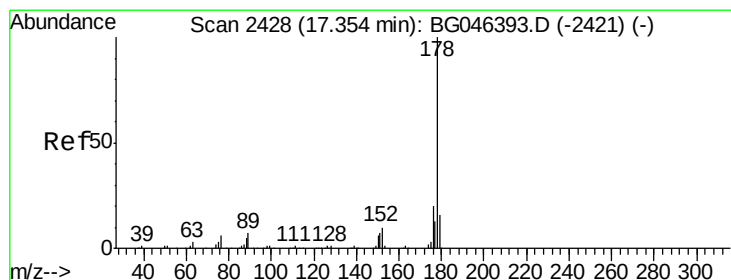
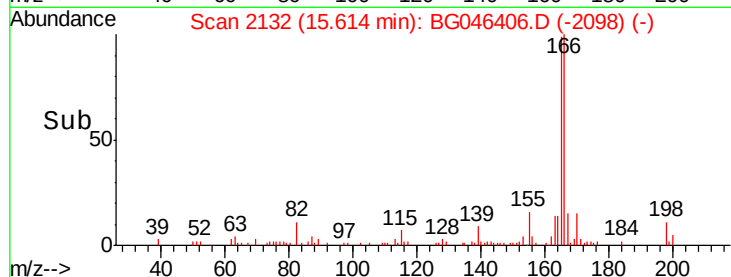
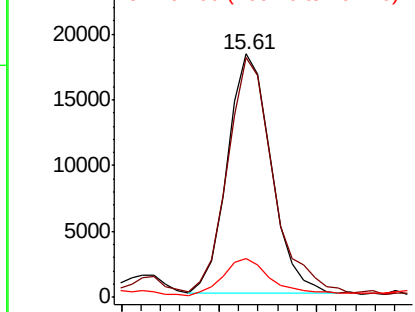


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14
 Phenanthrene
 Concen: 21.971 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG046406.D
 Acq: 21 Aug 2020 10:01

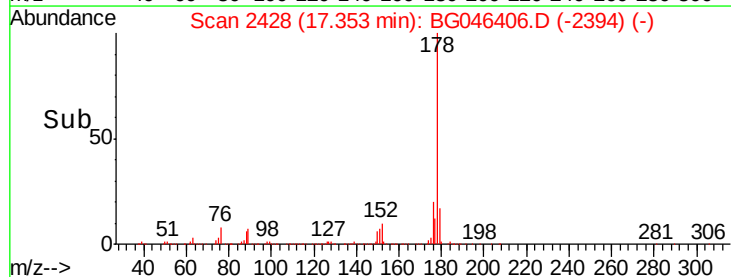
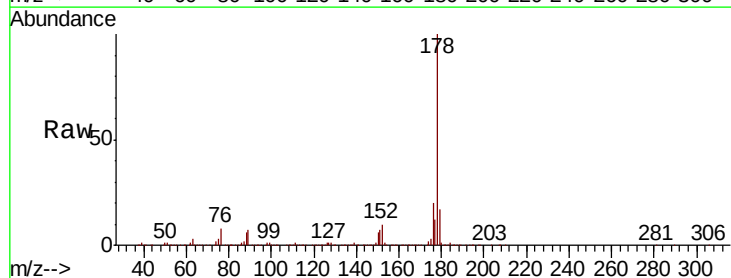
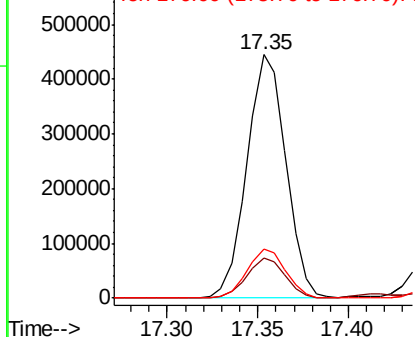
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.8	19.2
176	20.1	15.8	23.8

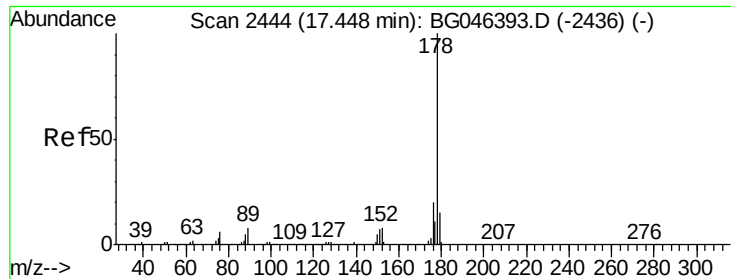
Abundance

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





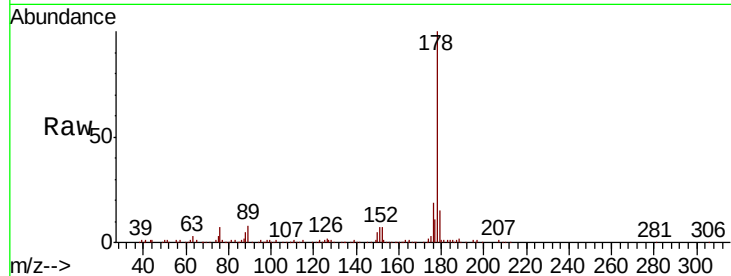
#16
 Anthracene
 Concen: 3.815 ng/ul
 RT: 17.45 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG046406.D
 Acq: 21 Aug 2020 10:01

Instrument :
 BNA_G
 ClientSampled :
 BFMJ6

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	13.2	19.8
176	18.9	15.2	22.8

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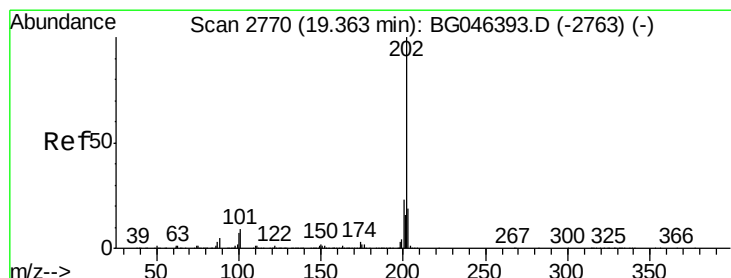
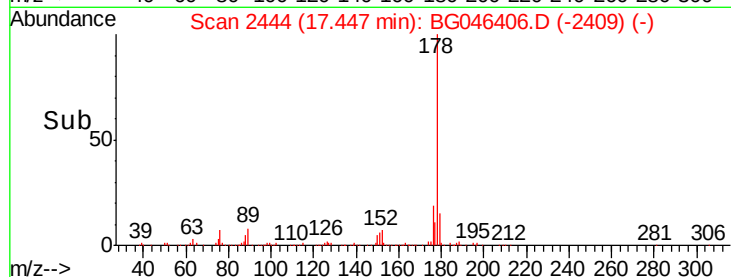
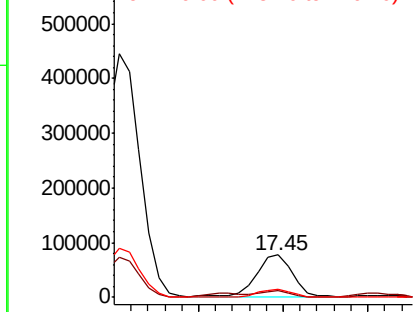


Abundance

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: 35.291 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.01 min
 Lab File: BG046406.D
 Acq: 21 Aug 2020 10:01

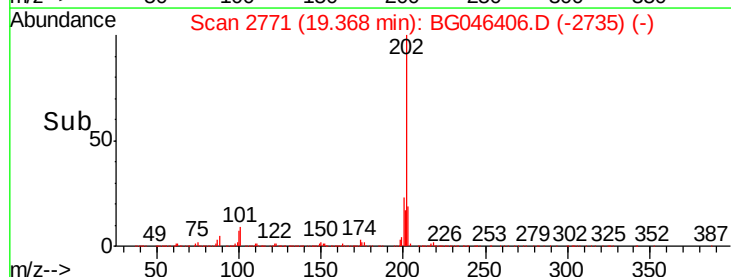
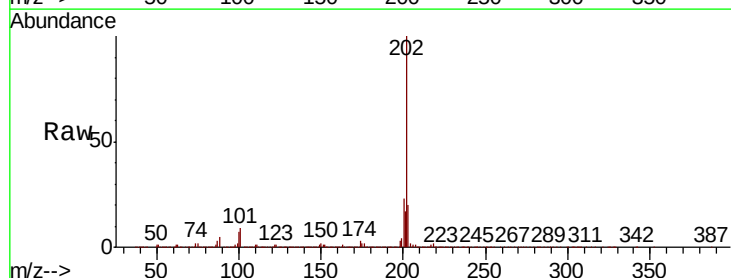
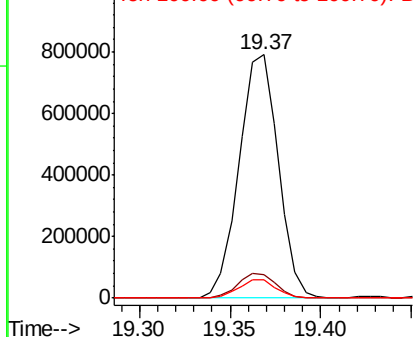
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.8	11.6
100	7.4	5.9	8.9

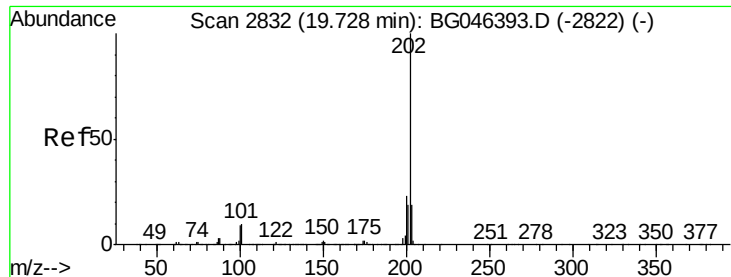
Abundance

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





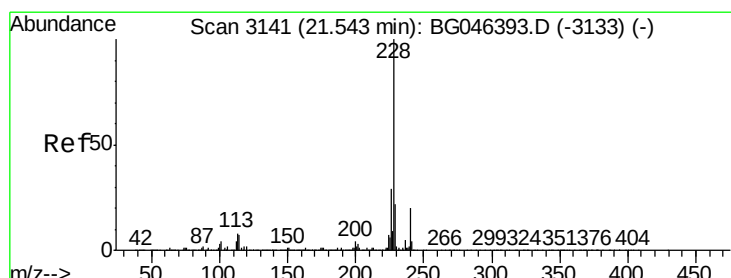
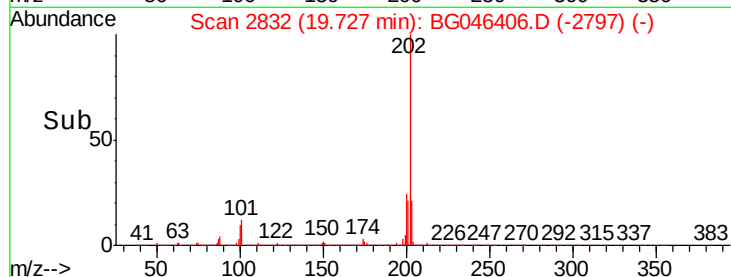
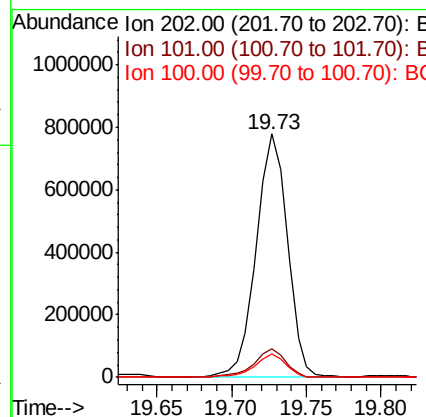
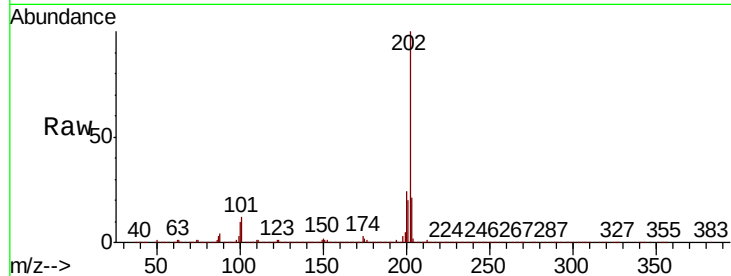
#20
Pvrene
Concen: 32.097 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG046406.D
Acq: 21 Aug 2020 10:01

Instrument :
BNA_G
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.9	13.3
100	9.5	7.9	11.9

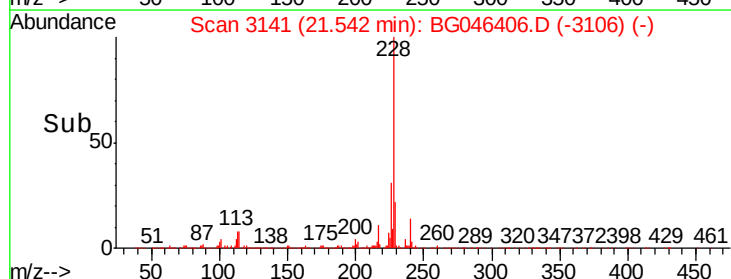
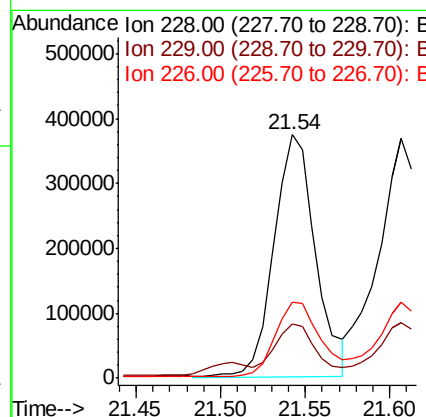
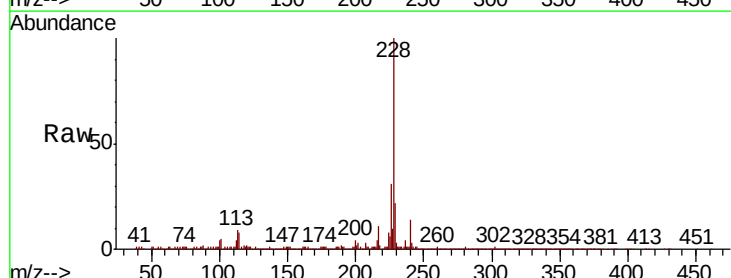
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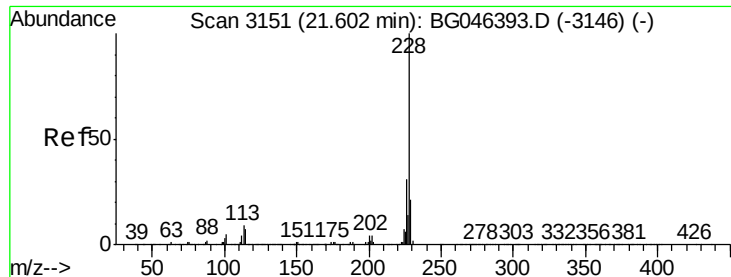
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#21
Benzo(a)anthracene
Concen: 18.473 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046406.D
Acq: 21 Aug 2020 10:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	16.6	25.0
226	31.4	22.6	33.8





#22

Chrysene

Concen: 19.596 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046406.D

Acq: 21 Aug 2020 10:01

Instrument :

BNA_G

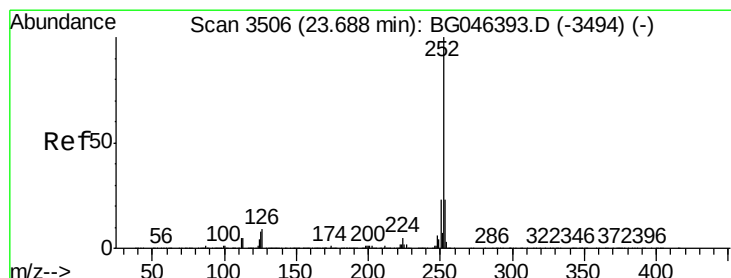
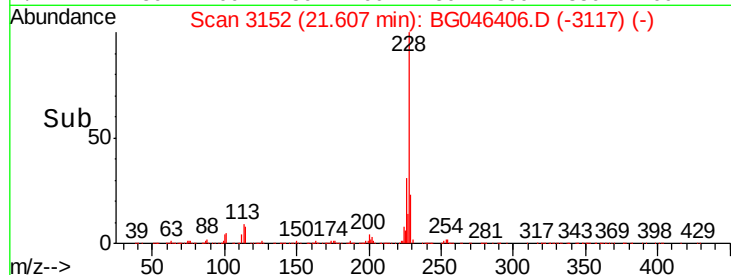
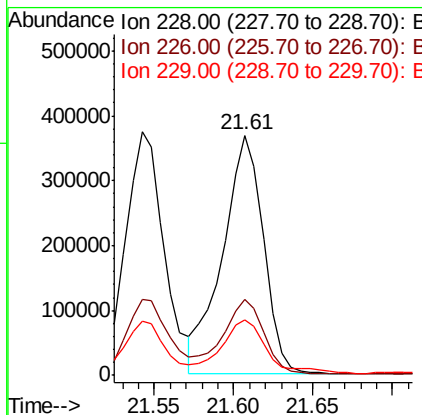
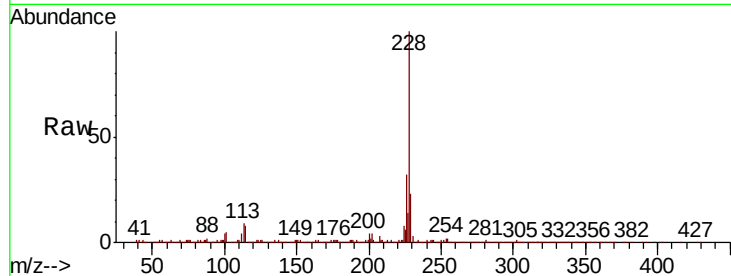
ClientSampled :

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Tot Ion:	228	Resp:	654235
Ion Ratio		Lower	Upper
228	100		
226	31.6	25.5	38.3
229	23.2	17.0	25.4

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#24

Benzo(b)fluoranthene

Concen: 23.932 ng/ul

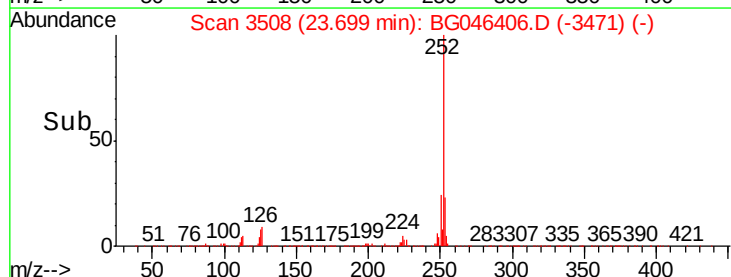
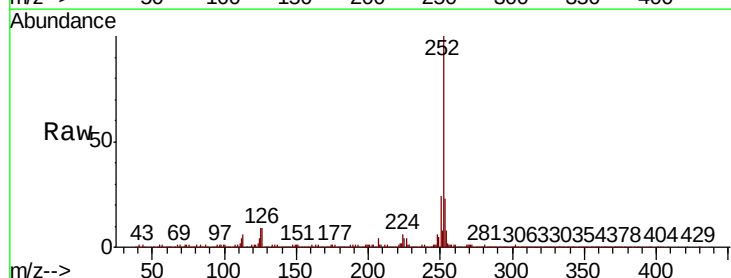
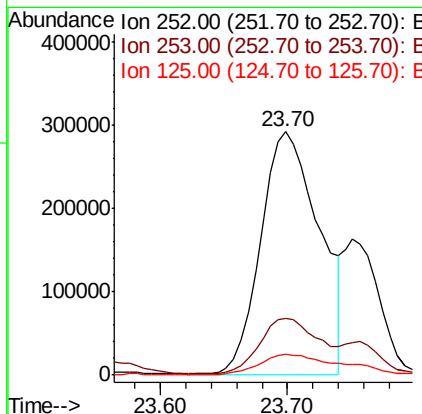
RT: 23.70 min Scan# 3508

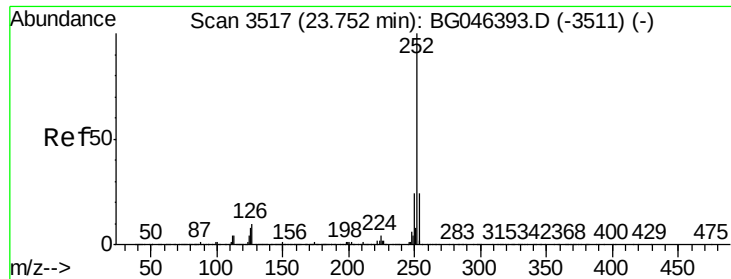
Delta R.T. 0.02 min

Lab File: BG046406.D

Acq: 21 Aug 2020 10:01

Tgt Ion:	252	Resp:	935372
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.8	26.6
125	8.7	6.4	9.6





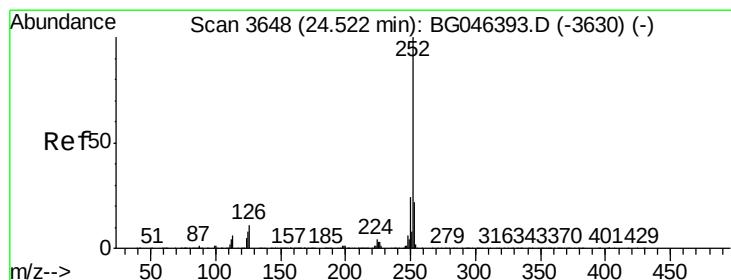
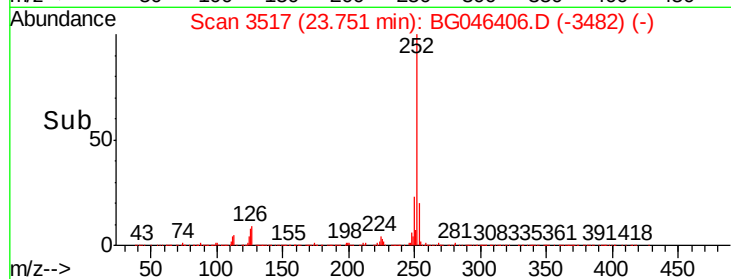
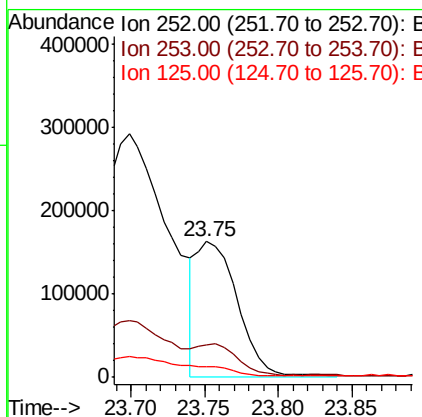
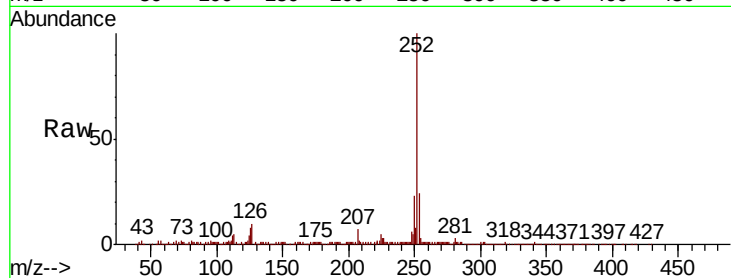
#25
Benzo(k)fluoranthene
Concen: 8.292 ng/ul m
RT: 23.75 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BG046406.D
Acq: 21 Aug 2020 10:01

Instrument :
BNA_G
ClientSampled :
BFMJ6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	8.2	6.2	9.2

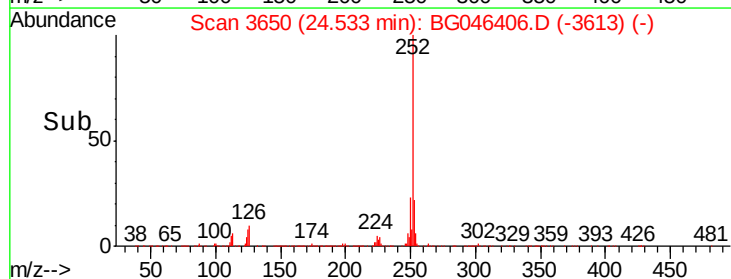
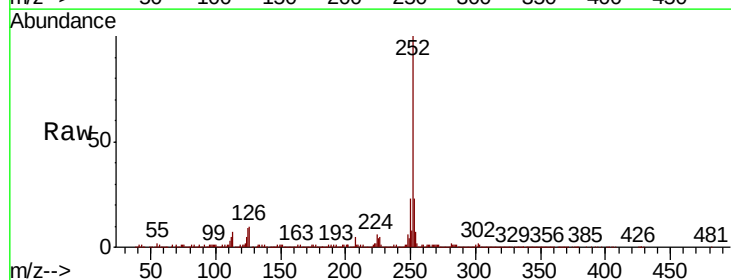
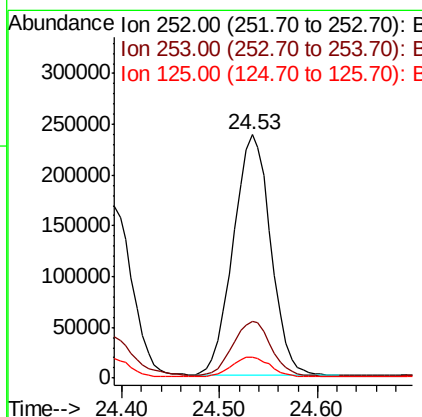
Manual Integrations
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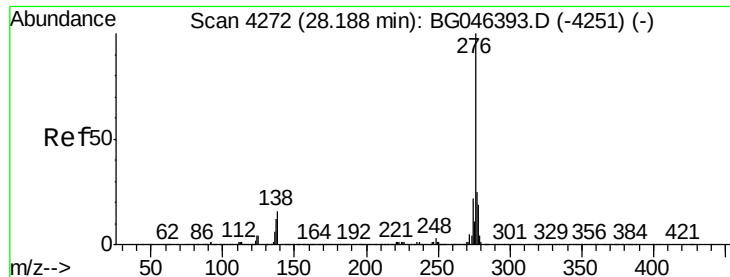
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#27
Benzo(a)pyrene
Concen: 17.700 ng/ul
RT: 24.53 min Scan# 3650
Delta R.T. 0.02 min
Lab File: BG046406.D
Acq: 21 Aug 2020 10:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	8.7	7.1	10.7





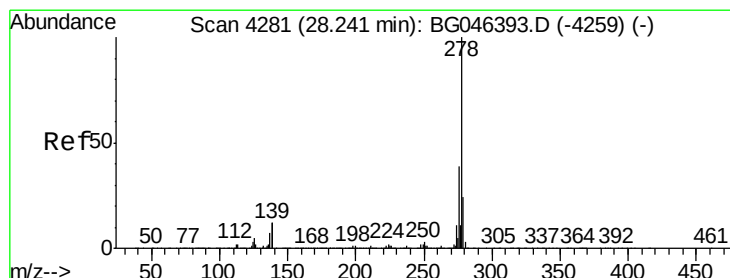
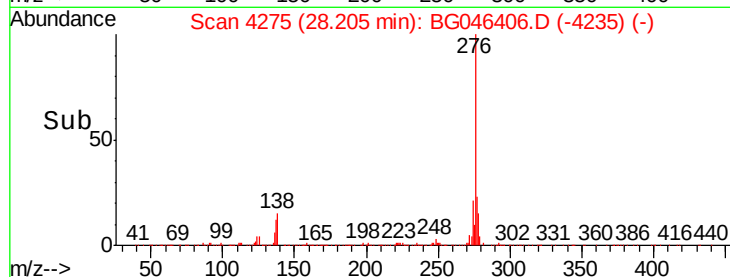
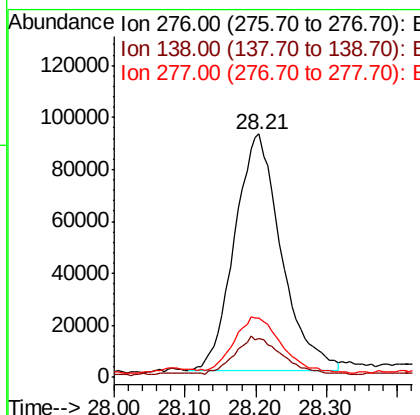
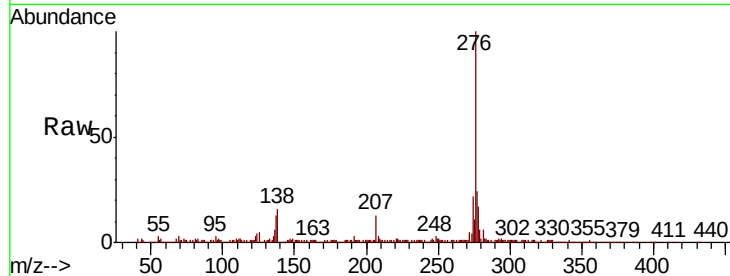
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 9.376 ng/ul
 RT: 28.21 min Scan# 4275
 Delta R.T. 0.03 min
 Lab File: BG046406.D
 Acq: 21 Aug 2020 10:01

Instrument :
 BNA_G
 ClientSampleId :
 BFMJ6

Tot Ion:276	Resp:	421229
Ion Ratio	Lower	Upper
276 100		
138 16.1	13.2	19.8
277 24.2	19.9	29.9

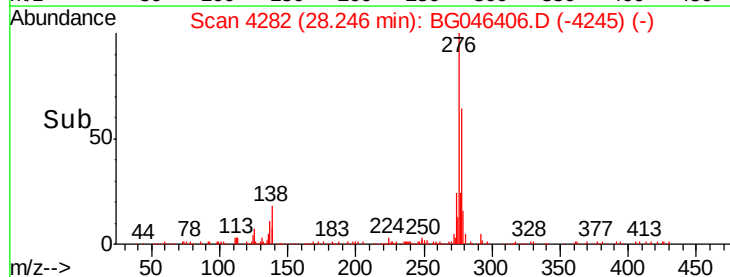
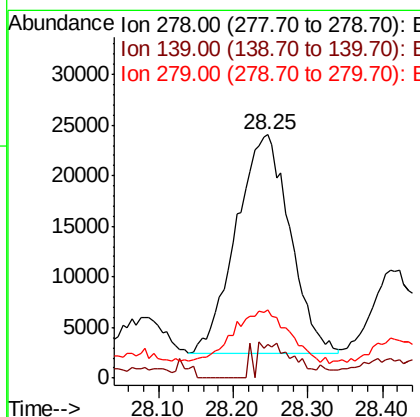
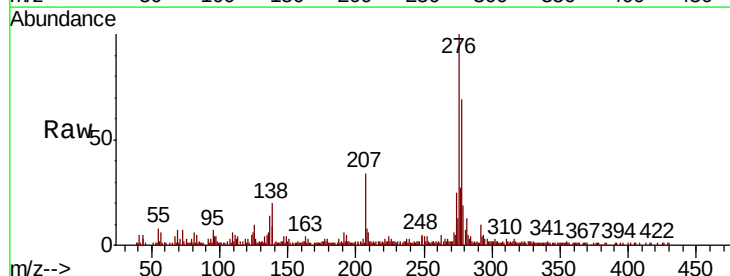
Manual Integrations
 APPROVED

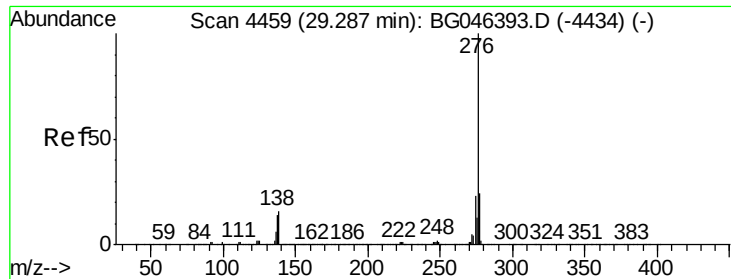
Sohil
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#29
 Dibenzo(a,h)anthracene
 Concen: 2.964 ng/ul
 RT: 28.25 min Scan# 4282
 Delta R.T. 0.02 min
 Lab File: BG046406.D
 Acq: 21 Aug 2020 10:01

Tgt Ion:278	Resp:	107982
Ion Ratio	Lower	Upper
278 100		
139 13.7	9.8	14.8
279 28.3	19.7	29.5





#30
 Benzo(a,h,i)perylene
 Concen: 9.364 ng/ul
 RT: 29.30 min Scan# 4461
 Delta R.T. 0.03 min
 Lab File: BG046406.D
 Acq: 21 Aug 2020 10:01

Instrument :
 BNA_G
 ClientSampleId :
 BFMJ6

Tot Ion:	276	Resp:	352097
Ion Ratio	Lower	Upper	
276	100		
138	16.3	12.9	19.3
277	24.7	19.4	29.0

Manual Integrations
 APPROVED

Sohil
 8/24/2020 1:46:26 PM

