

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046410.D
 Acq On : 21 Aug 2020 12:40
 Operator : CG/JU
 Sample : L3635-13
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMH9

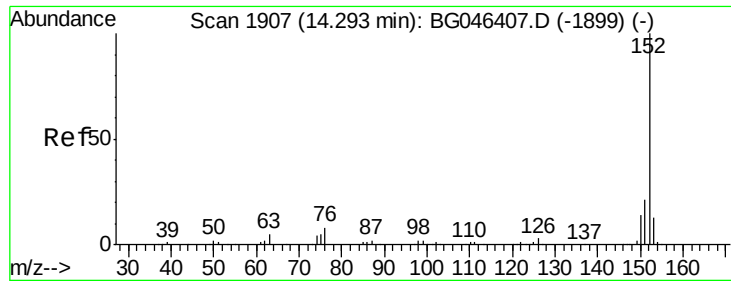
Manual Integrations
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Quant Time: Aug 21 13:37:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 11:14:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	104399	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	429382	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	275914	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	589814	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	575159	20.00	ng/ul	0.01
23) Perylene-d12	24.68	264	646446	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	159754	21.61	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	576541	22.71	ng/ul	0.00
10) Fluorene-d10	15.56	176	430703	22.14	ng/ul	0.00
15) Anthracene-d10	17.41	188	595285	21.77	ng/ul	0.00
19) Pyrene-d10	19.70	212	668868	22.59	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	738453	20.93	ng/ul	0.02
Target Compounds						
					Qvalue	
8) Acenaphthylene	14.30	152	60248	2.334	ng/ul	99
9) Acenaphthene	14.63	153	26741	1.451	ng/ul	97
11) Fluorene	15.62	166	41704	1.935	ng/ul#	99
14) Phenanthrene	17.36	178	1202247	37.052	ng/ul	96
16) Anthracene	17.44	178	184058	5.622	ng/ul	99
17) Fluoranthene	19.37	202	2065978	57.101	ng/ul	97
20) Pyrene	19.73	202	1819177	48.185	ng/ul	96
21) Benzo(a)anthracene	21.55	228	1076760	28.774	ng/ul	96
22) Chrysene	21.61	228	1127074	31.156	ng/ul	97
24) Benzo(b)fluoranthene	23.70	252	1472379	34.443	ng/ul	96
25) Benzo(k)fluoranthene	23.76	252	510052m	12.028	ng/ul	
27) Benzo(a)pyrene	24.54	252	942918	24.026	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.20	276	624034	12.699	ng/ul	98
29) Dibenzo(a,h)anthracene	28.25	278	176508m	4.430	ng/ul	
30) Benzo(a,h,i)perylene	29.30	276	543919m	13.226	ng/ul	

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



#8

Acenaphthylene

Concen: 2.334 ng/ul

RT: 14.30 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046410.D

Acq: 21 Aug 2020 12:40

Instrument :

BNA_G

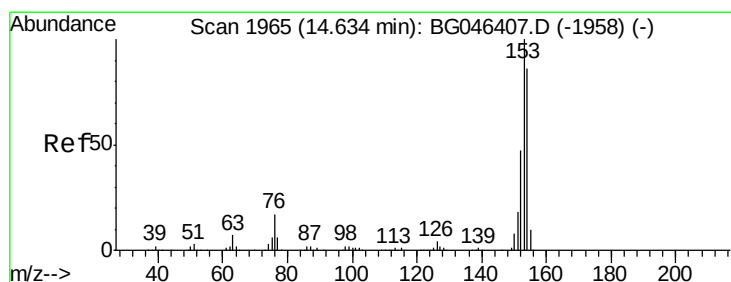
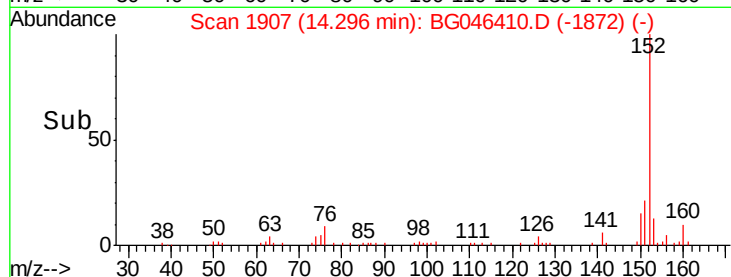
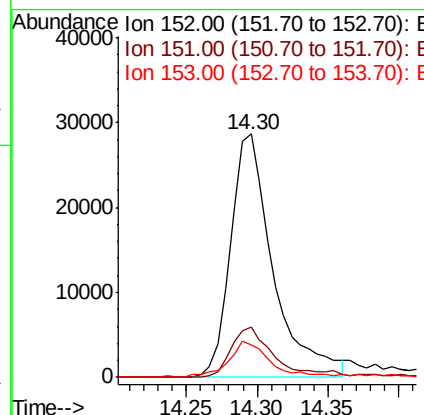
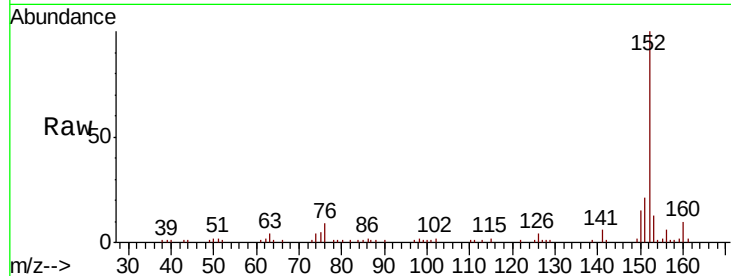
ClientSampleId :

BFMH9

Tot Ion:	152	Resp:	60248
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.5	24.7
153	13.2	11.0	16.6

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#9

Acenaphthene

Concen: 1.451 ng/ul

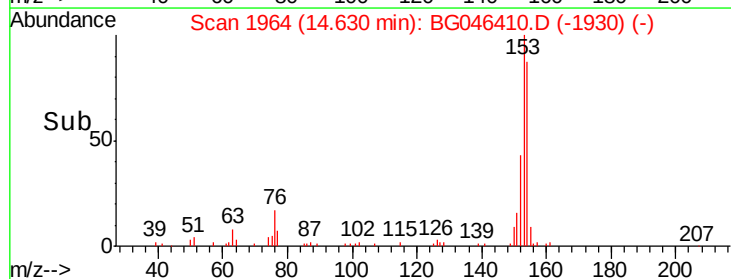
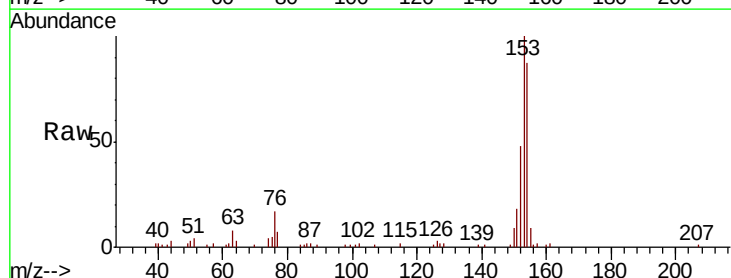
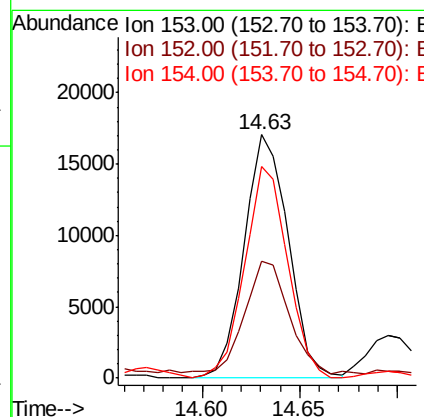
RT: 14.63 min Scan# 1964

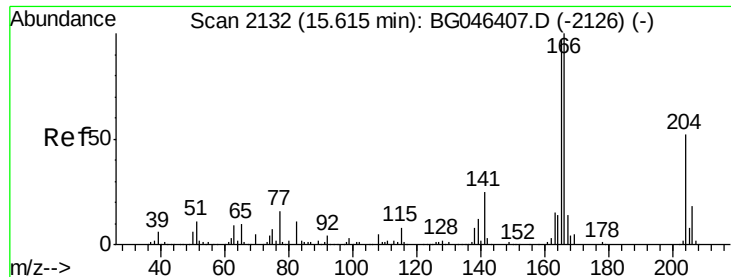
Delta R.T. 0.00 min

Lab File: BG046410.D

Acq: 21 Aug 2020 12:40

Tgt Ion:	153	Resp:	26741
Ion Ratio	Lower	Upper	
153	100		
152	48.0	37.2	55.8
154	87.1	67.8	101.6





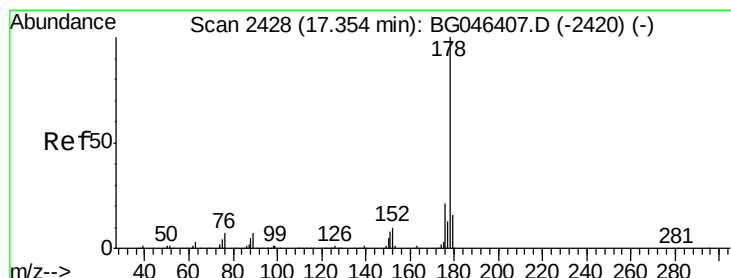
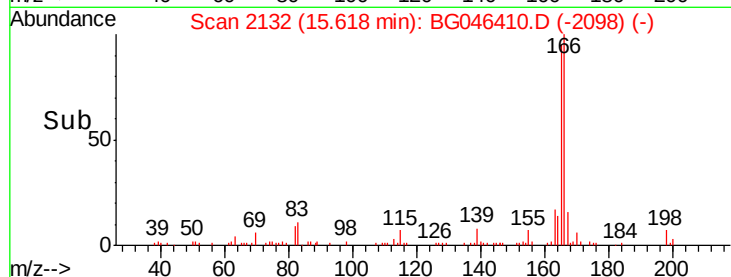
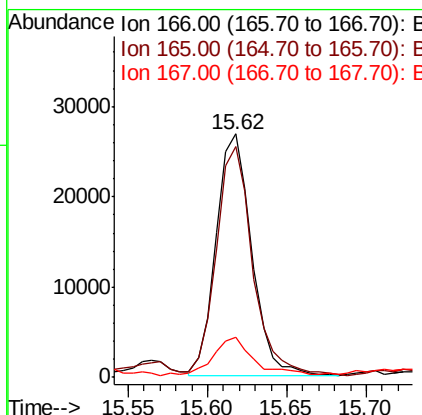
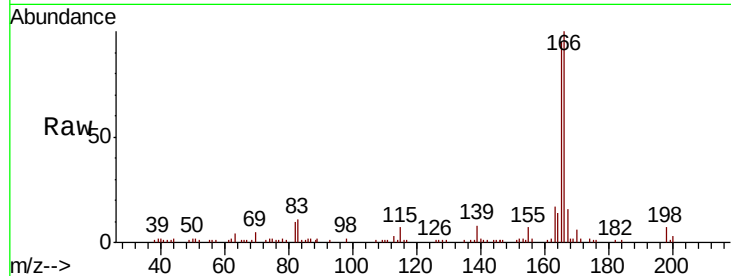
#11
 Fluorene
 Concen: 1.935 ng/ul
 RT: 15.62 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046410.D
 Acq: 21 Aug 2020 12:40

Instrument :
 BNA_G
 ClientSampleId :
 BFMH9

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.8	75.9	113.9
167	16.3	10.7	16.1

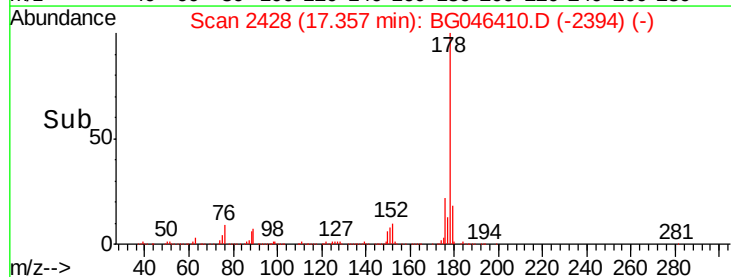
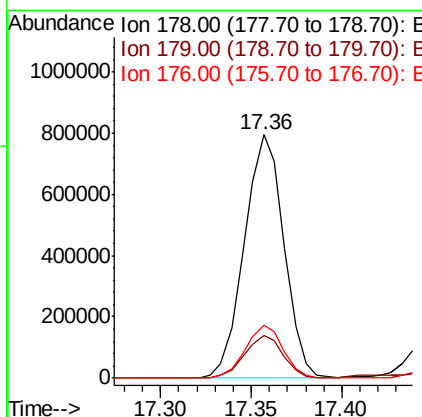
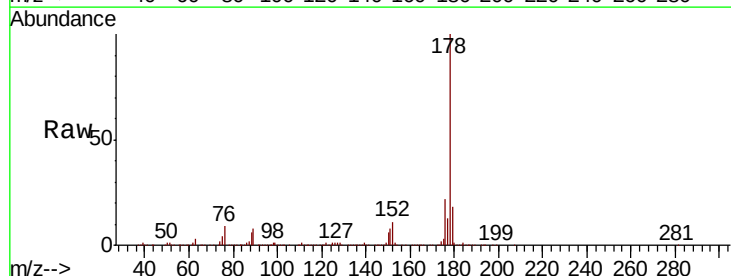
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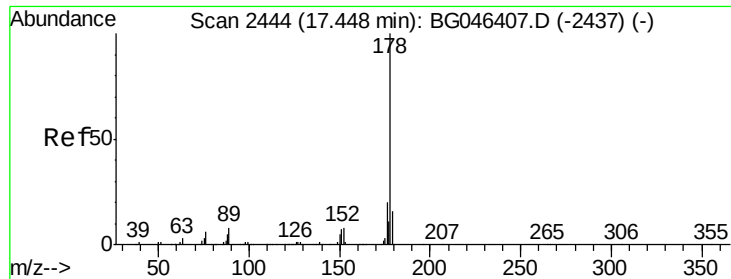
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#14
 Phenanthrene
 Concen: 37.052 ng/ul
 RT: 17.36 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046410.D
 Acq: 21 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.6	12.8	19.2
176	21.6	15.8	23.8





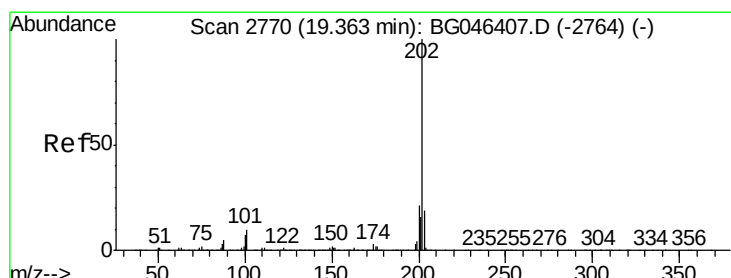
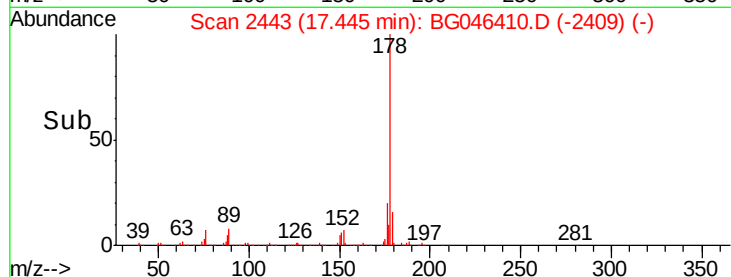
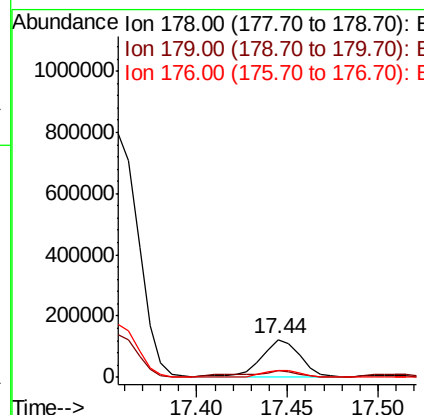
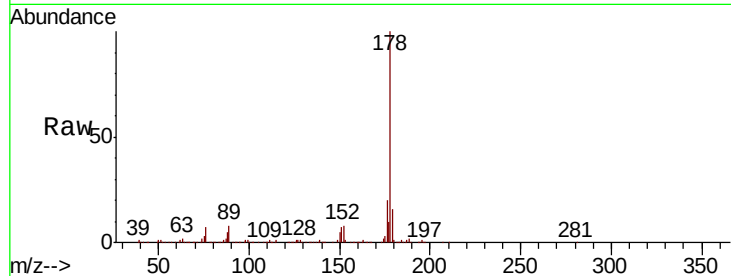
#16
 Anthracene
 Concen: 5.622 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG046410.D
 Acq: 21 Aug 2020 12:40

Instrument :
 BNA_G
 ClientSampled :
 BFMH9

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	13.2	19.8
176	19.6	15.2	22.8

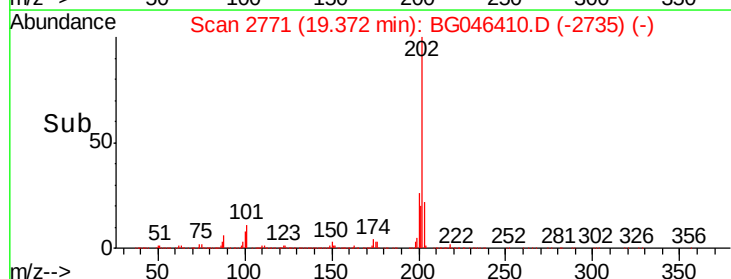
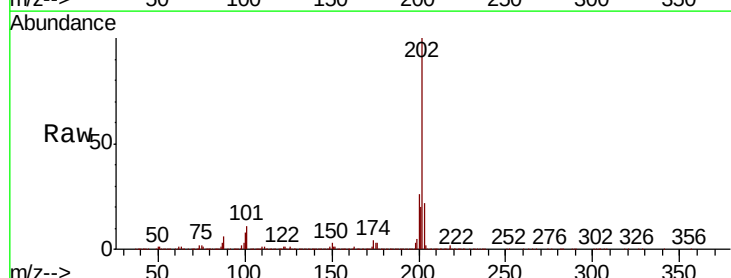
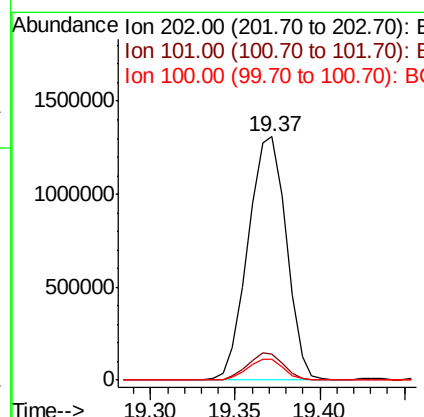
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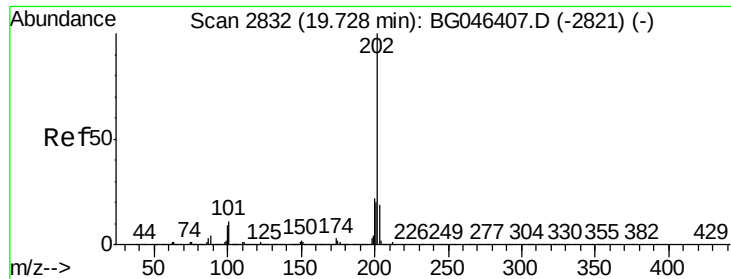
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#17
 Fluoranthene
 Concen: 57.101 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.01 min
 Lab File: BG046410.D
 Acq: 21 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	7.8	11.6
100	8.4	5.9	8.9





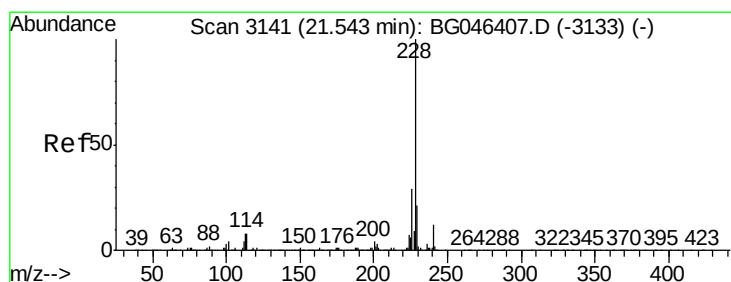
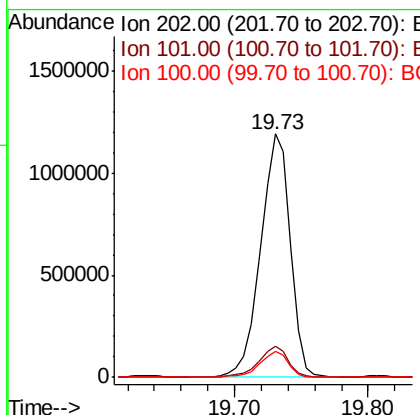
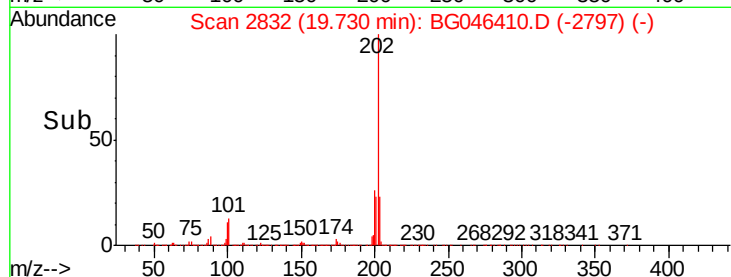
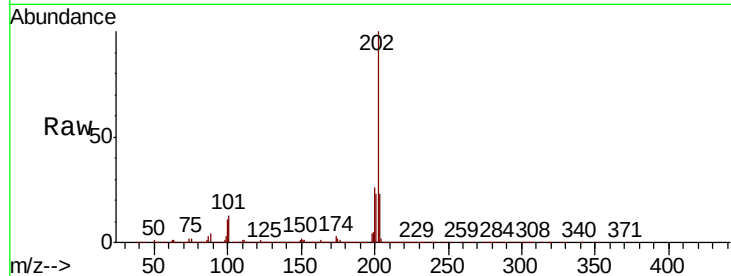
#20
Pvrene
Concen: 48.185 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046410.D
Acq: 21 Aug 2020 12:40

Instrument :
BNA_G
ClientSampleId :
BFMH9

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	8.9	13.3
100	10.8	7.9	11.9

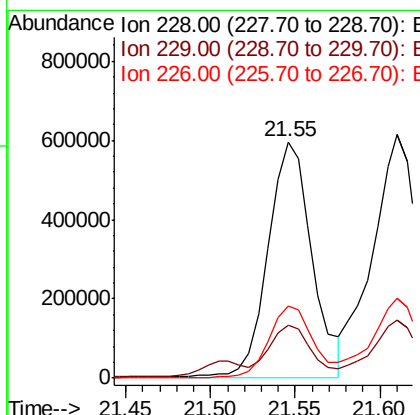
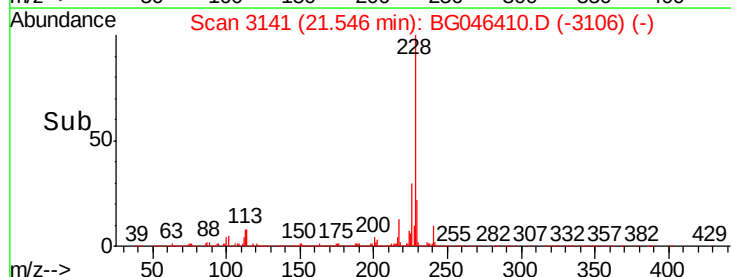
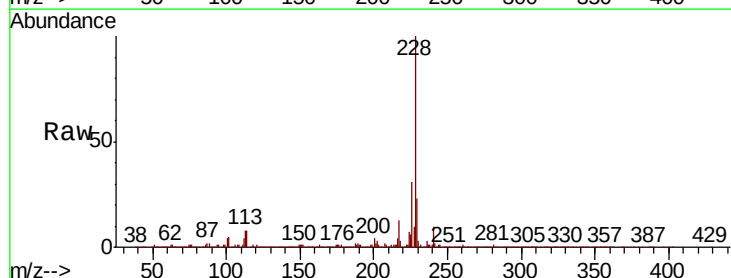
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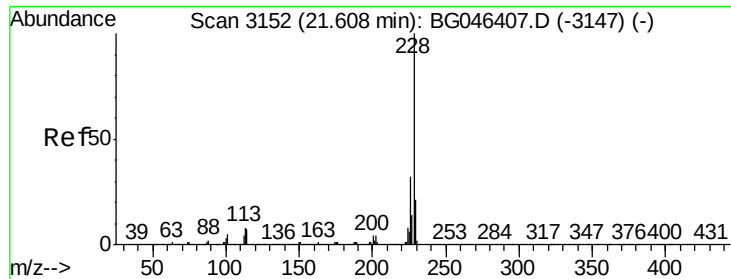
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#21
Benzo(a)anthracene
Concen: 28.774 ng/ul
RT: 21.55 min Scan# 3141
Delta R.T. 0.01 min
Lab File: BG046410.D
Acq: 21 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.6	16.6	25.0
226	30.7	22.6	33.8





#22

Chrysene

Concen: 31.156 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG046410.D

Acq: 21 Aug 2020 12:40

Instrument :

BNA_G

ClientSampled :

BFMH9

Tot Ion:228 Resp: 1127074

Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.5	38.3
229	23.9	17.0	25.4

228 100

226 32.7 25.5 38.3

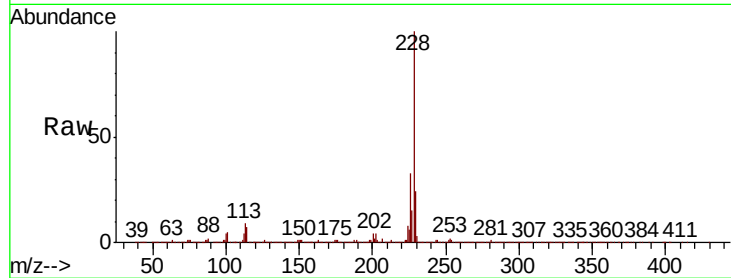
229 23.9 17.0 25.4

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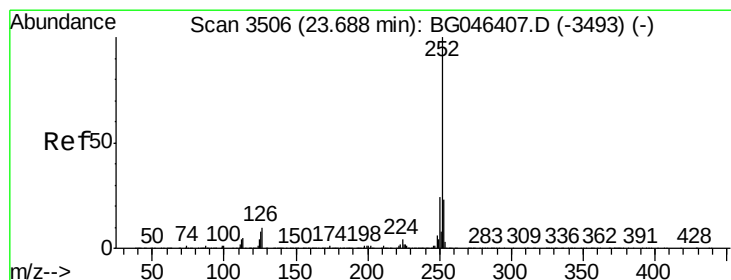
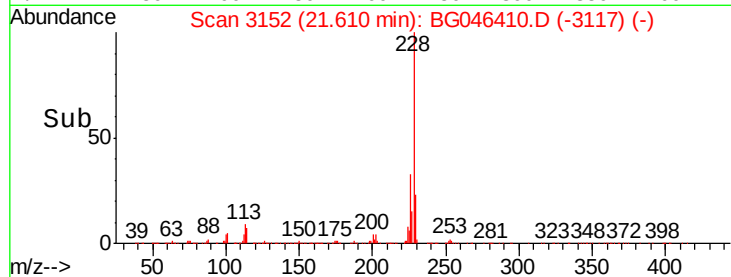
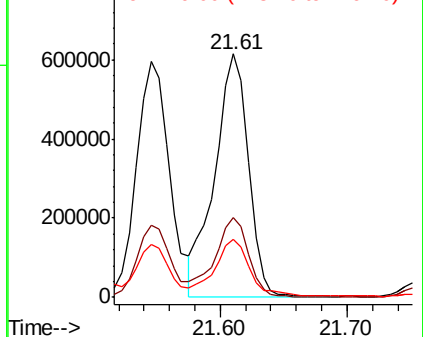


Abundance

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: 34.443 ng/ul

RT: 23.70 min Scan# 3508

Delta R.T. 0.02 min

Lab File: BG046410.D

Acq: 21 Aug 2020 12:40

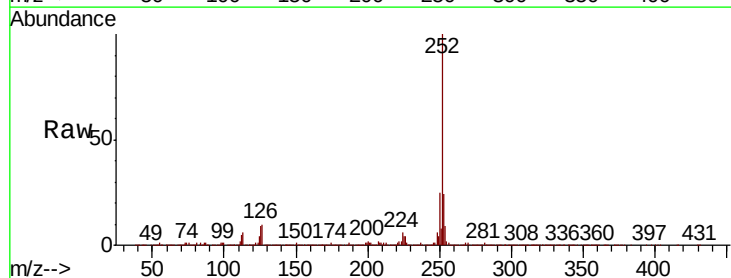
Tgt Ion:252 Resp: 1472379

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	9.0	6.4	9.6

252 100

253 24.0 17.8 26.6

125 9.0 6.4 9.6

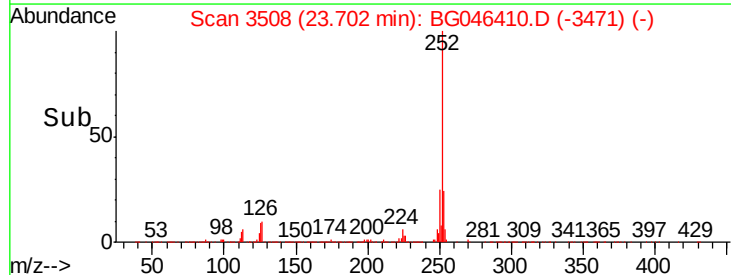
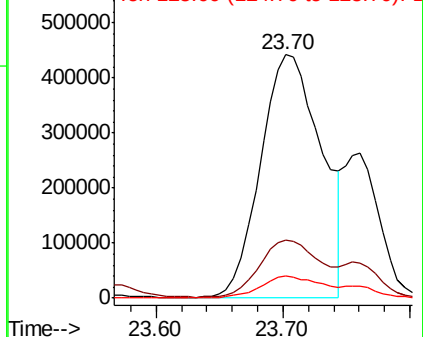


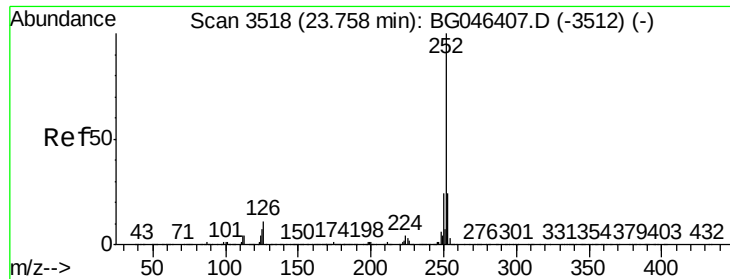
Abundance

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





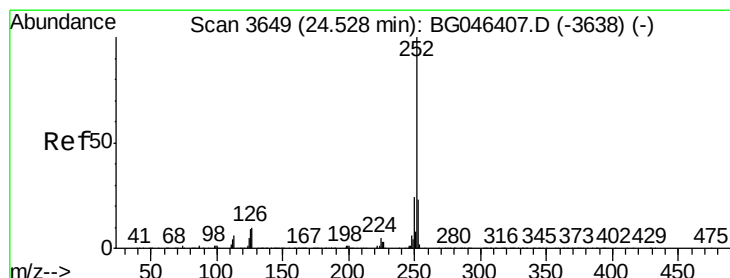
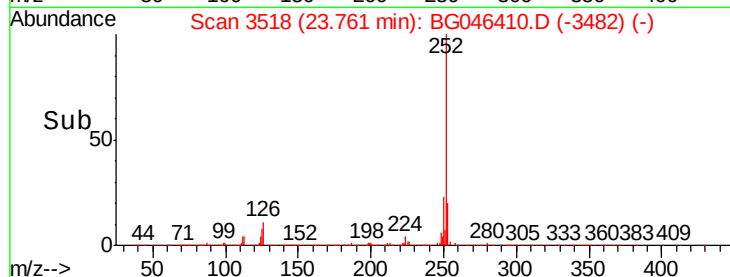
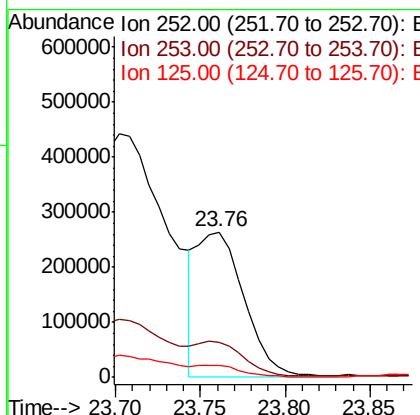
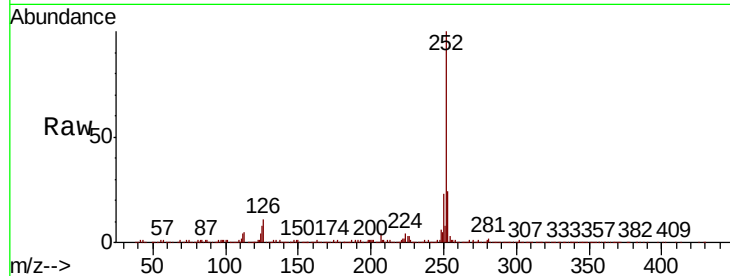
#25
Benzo(k)fluoranthene
Concen: 12.028 ng/ul m
RT: 23.76 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BG046410.D
Acq: 21 Aug 2020 12:40

Instrument :
BNA_G
ClientSampled :
BFMH9

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	8.1	6.2	9.2

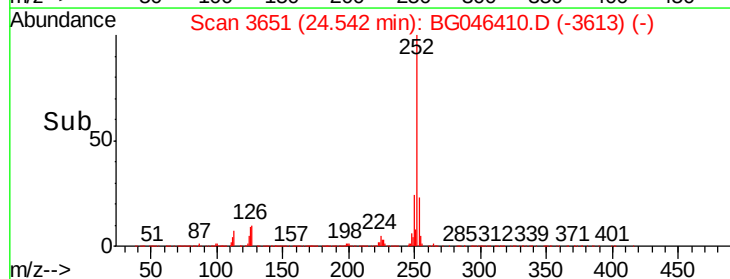
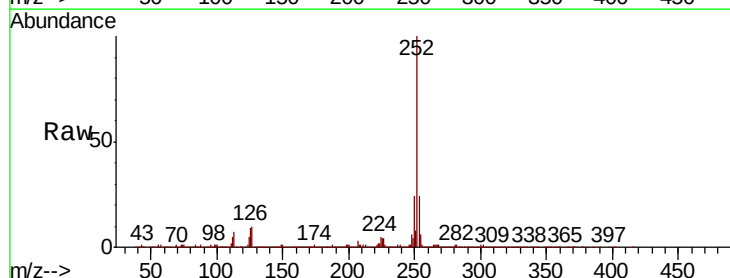
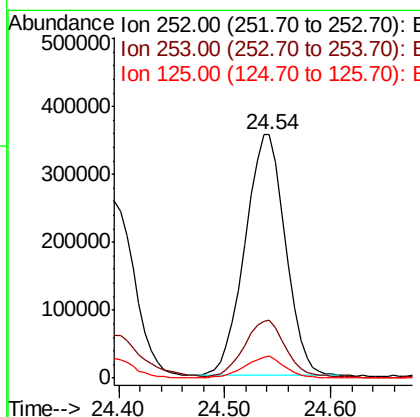
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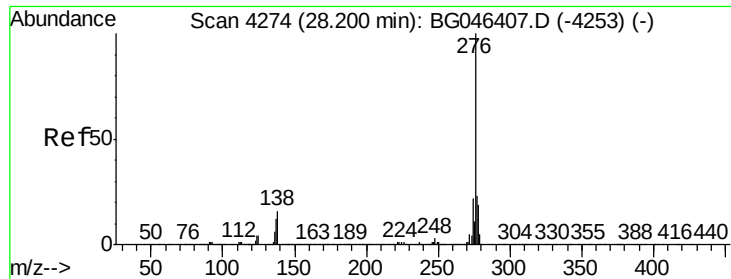
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#27
Benzo(a)pyrene
Concen: 24.026 ng/ul
RT: 24.54 min Scan# 3651
Delta R.T. 0.03 min
Lab File: BG046410.D
Acq: 21 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	9.0	7.1	10.7





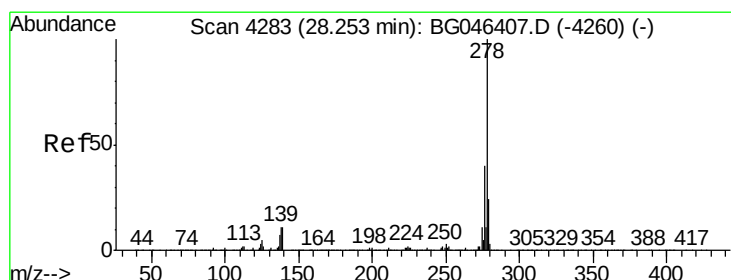
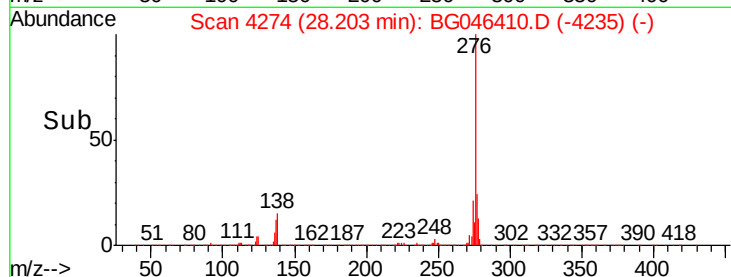
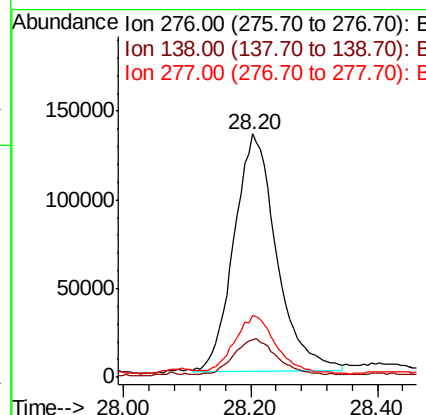
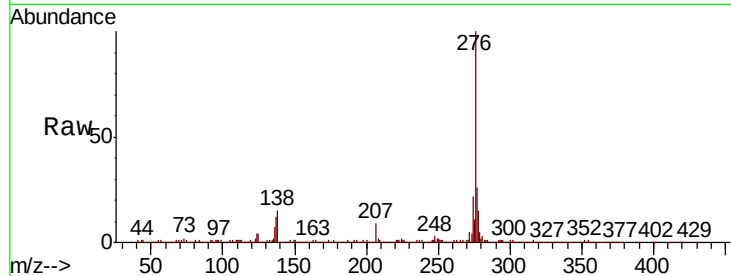
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 12.699 ng/ul
 RT: 28.20 min Scan# 4274
 Delta R.T. 0.03 min
 Lab File: BG046410.D
 Acq: 21 Aug 2020 12:40

Instrument :
 BNA_G
 ClientSampleId :
 BFMH9

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	13.2	19.8
277	25.6	19.9	29.9

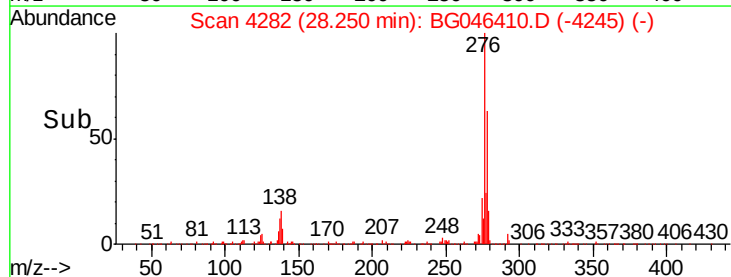
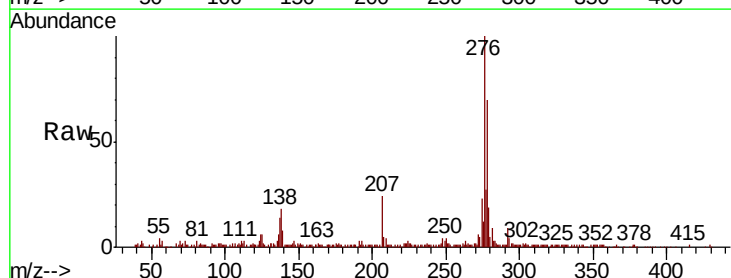
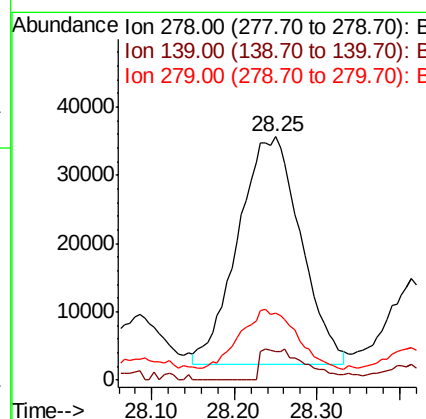
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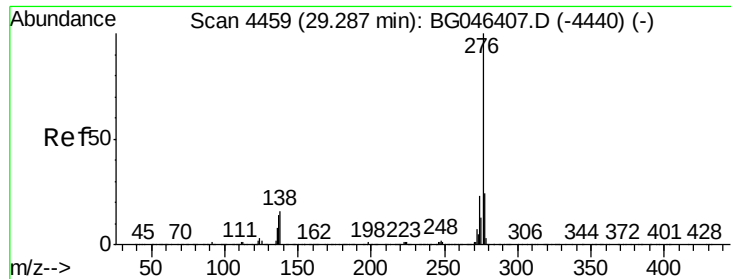
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#29
 Dibenzo(a,h)anthracene
 Concen: 4.430 ng/ul m
 RT: 28.25 min Scan# 4282
 Delta R.T. 0.02 min
 Lab File: BG046410.D
 Acq: 21 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.0	9.8	14.8
279	27.3	19.7	29.5





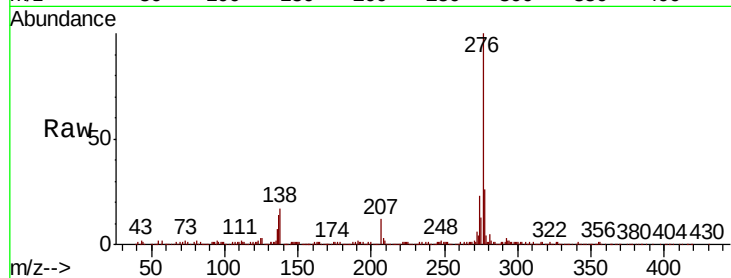
#30
 Benzo(a,h,i)perylene
 Concen: 13.226 ng/ul m
 RT: 29.30 min Scan# 4460
 Delta R.T. 0.03 min
 Lab File: BG046410.D
 Acq: 21 Aug 2020 12:40

Instrument :
 BNA_G
 ClientSampleId :
 BFMH9

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	12.9	19.3
277	25.7	19.4	29.0

Manual Integrations
 APPROVED

Sohil
 8/24/2020 1:46:35 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

