

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046389.D
 Acq On : 20 Aug 2020 21:57
 Operator : CG/JU
 Sample : L3634-03
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 00:39:31 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

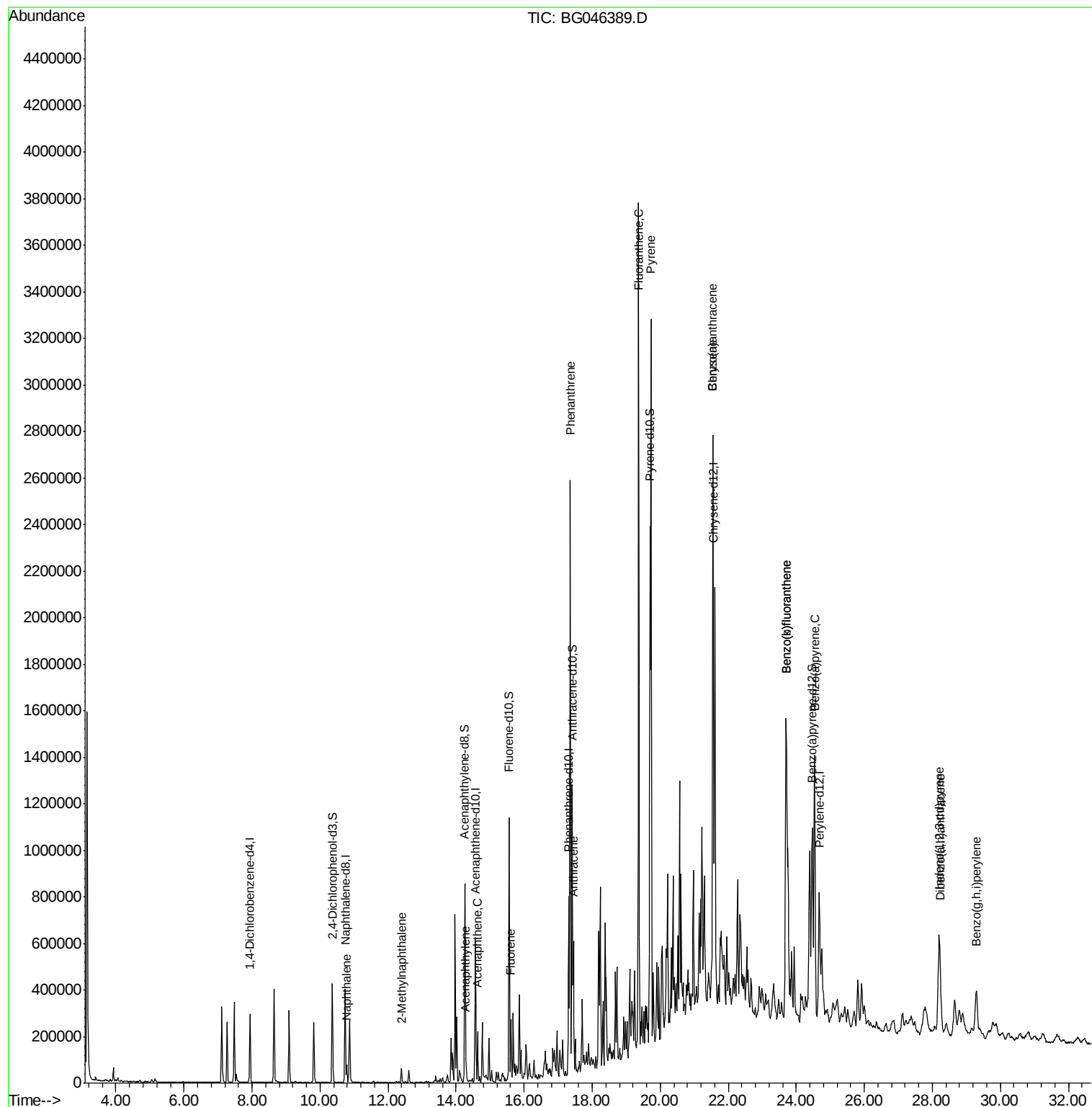
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	92531	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	355141	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	225719	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	496147	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	519089	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	562928	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	186817	30.55	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	642772	30.94	ng/ul	0.00
10) Fluorene-d10	15.56	176	479188	30.10	ng/ul	0.00
15) Anthracene-d10	17.41	188	683003	29.70	ng/ul	0.00
19) Pyrene-d10	19.70	212	813442	30.44	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	935574	30.46	ng/ul	0.02
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	65556	3.549	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	32840	2.332	ng/ul	92
8) Acenaphthylene	14.29	152	60800	2.879	ng/ul	97
9) Acenaphthene	14.63	153	92608	6.140	ng/ul	96
11) Fluorene	15.61	166	104783	5.942	ng/ul	96
14) Phenanthrene	17.36	178	1620400	59.366	ng/ul	93
16) Anthracene	17.45	178	389045	14.126	ng/ul	99
17) Fluoranthene	19.37	202	2190834	71.984	ng/ul#	95
20) Pyrene	19.73	202	1993217	58.498	ng/ul	97
21) Benzo(a)anthracene	21.54	228	1375922	40.740	ng/ul	94
22) Chrysene	21.54	228	1375312	42.124	ng/ul	98
24) Benzo(b)fluoranthene	23.70	252	1660391	44.604	ng/ul	96
25) Benzo(k)fluoranthene	23.70	252	1660391	44.964	ng/ul	97
27) Benzo(a)pyrene	24.54	252	1205937	35.287	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.20	276	735529	17.188	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	119211	3.436	ng/ul#	92
30) Benzo(g,h,i)perylene	29.29	276	398270	11.121	ng/ul	98

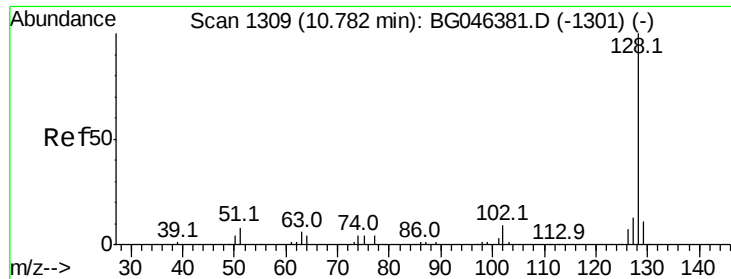
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 00:37:00 2020
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#4

Naphthalene

Concen: 3.549 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046389.D

Acq: 20 Aug 2020 21:57

Instrument :

BNA_G

ClientSampleId :

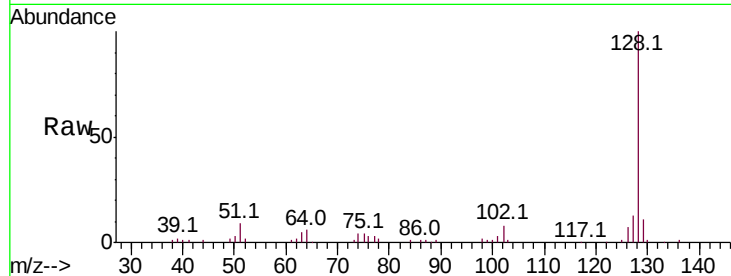
Tot Ion:128 Resp: 65556

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

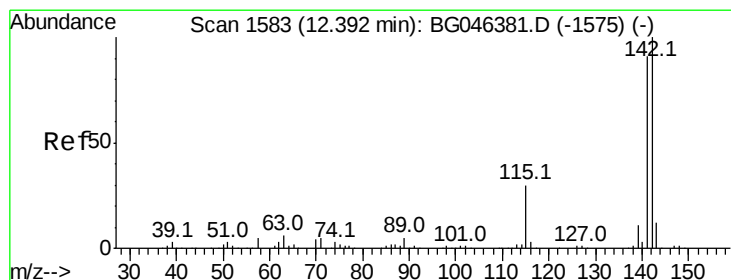
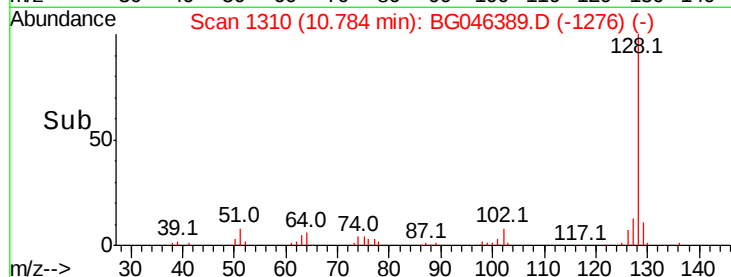
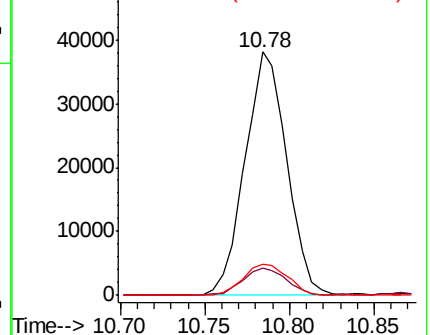
127 12.8 10.9 16.3



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: 2.332 ng/ul

RT: 12.39 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BG046389.D

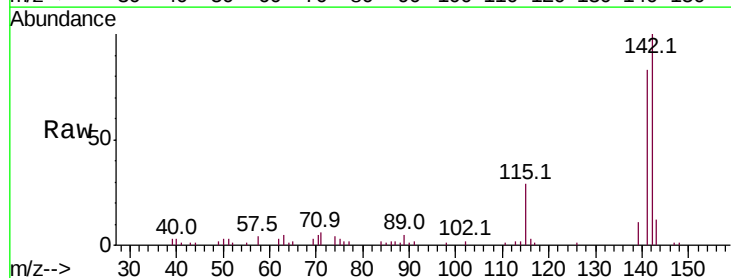
Acq: 20 Aug 2020 21:57

Tgt Ion:142 Resp: 32840

Ion Ratio Lower Upper

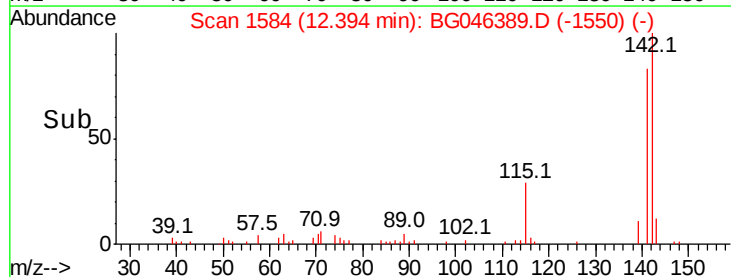
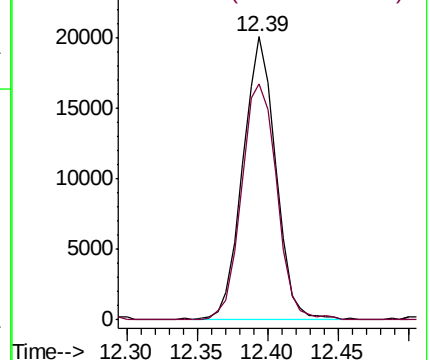
142 100

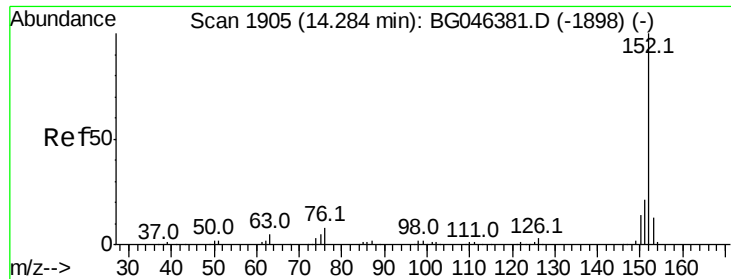
141 83.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 2.879 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046389.D

Acq: 20 Aug 2020 21:57

Instrument :

BNA_G

ClientSampleId :

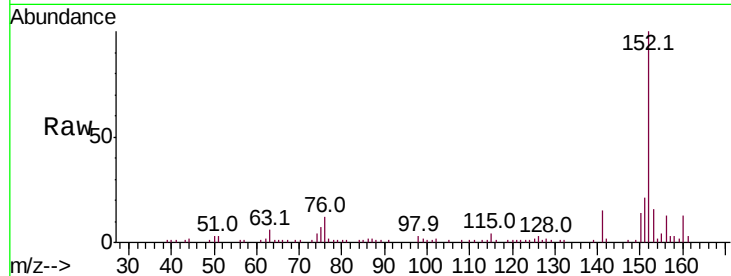
Tot Ion:152 Resp: 60800

Ion Ratio Lower Upper

152 100

151 21.3 16.5 24.7

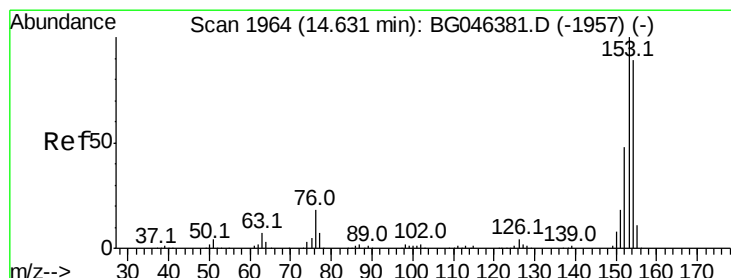
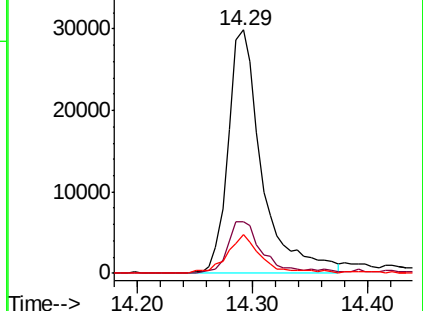
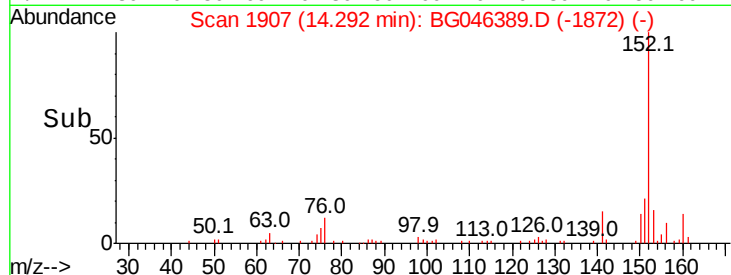
153 15.7 11.0 16.6



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: 6.140 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG046389.D

Acq: 20 Aug 2020 21:57

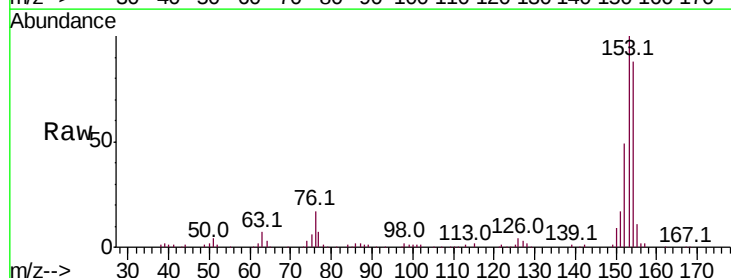
Tgt Ion:153 Resp: 92608

Ion Ratio Lower Upper

153 100

152 49.0 37.2 55.8

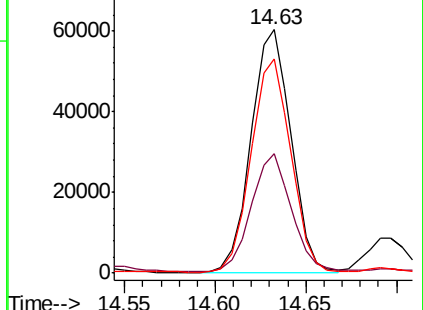
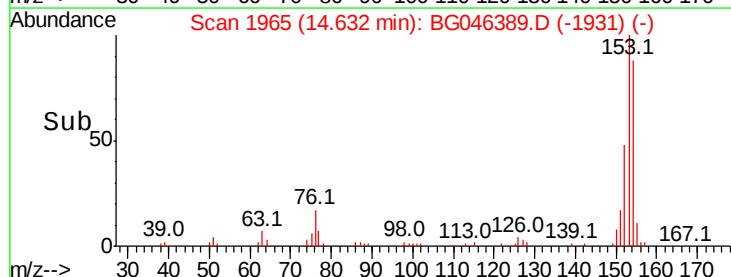
154 87.9 67.8 101.6

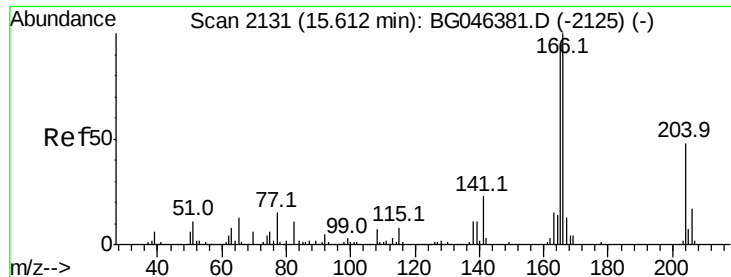


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 5.942 ng/ul

RT: 15.61 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG046389.D

Acq: 20 Aug 2020 21:57

Instrument :

BNA_G

ClientSampleId :

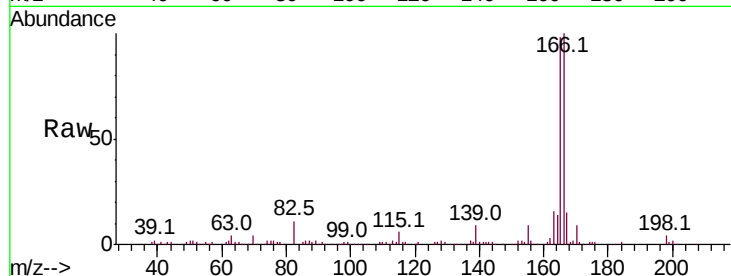
Tot Ion:166 Resp: 104783

Ion Ratio Lower Upper

166 100

165 98.4 75.9 113.9

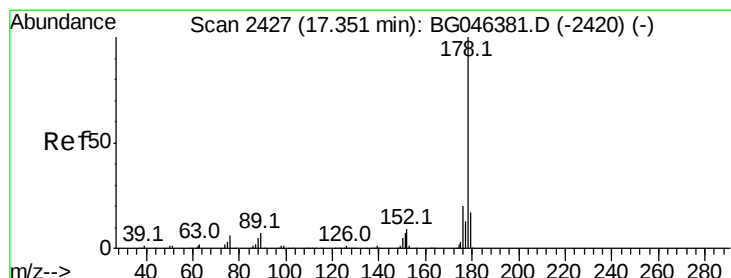
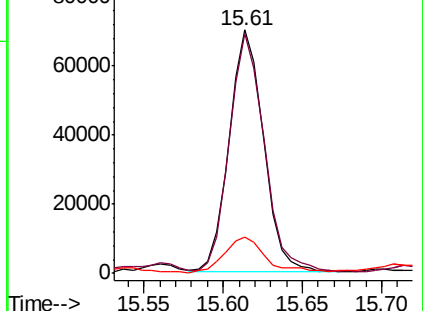
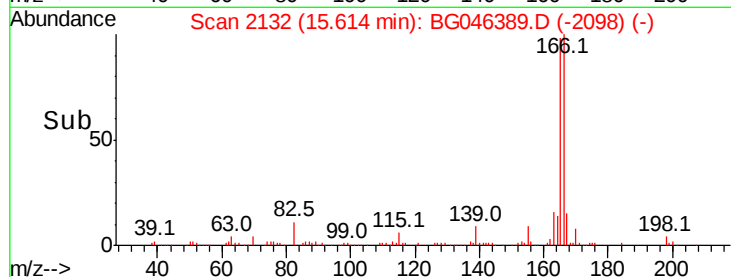
167 15.0 10.7 16.1



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: 59.366 ng/ul

RT: 17.36 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BG046389.D

Acq: 20 Aug 2020 21:57

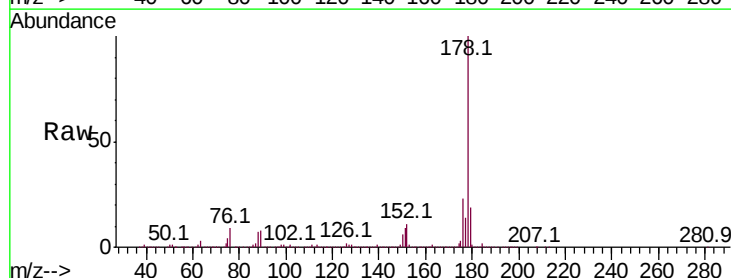
Tgt Ion:178 Resp: 1620400

Ion Ratio Lower Upper

178 100

179 18.8 12.8 19.2

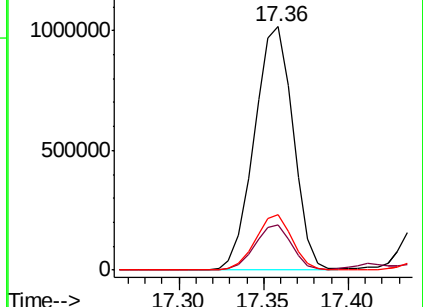
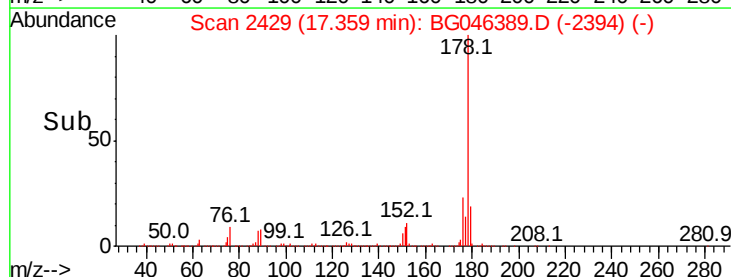
176 23.0 15.8 23.8

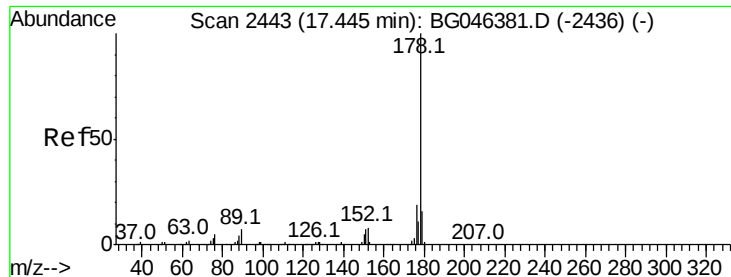


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

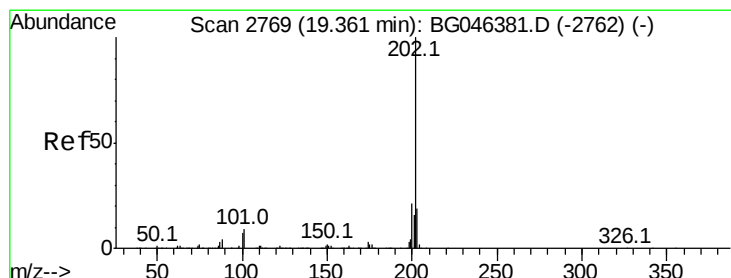
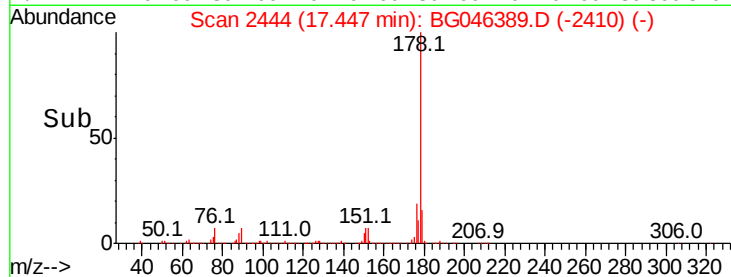
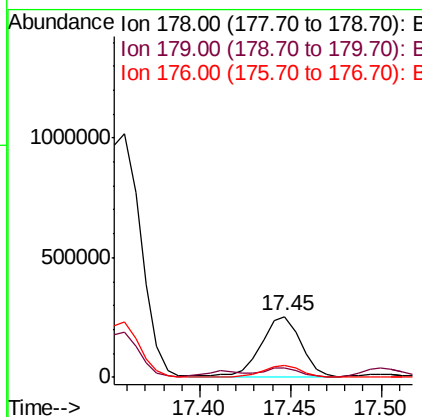
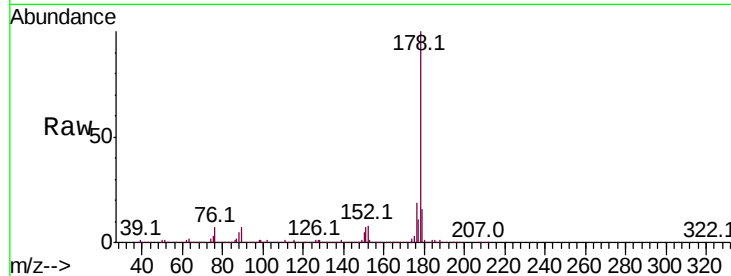




#16
 Anthracene
 Concen: 14.126 ng/ul
 RT: 17.45 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG046389.D
 Acq: 20 Aug 2020 21:57

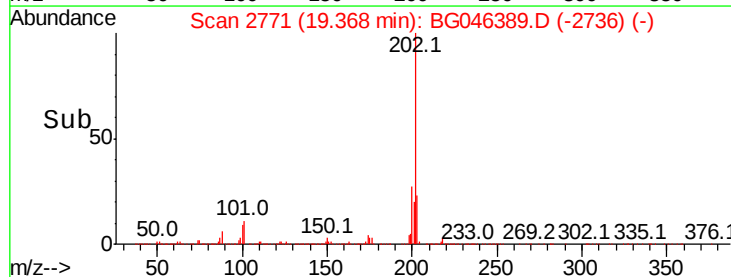
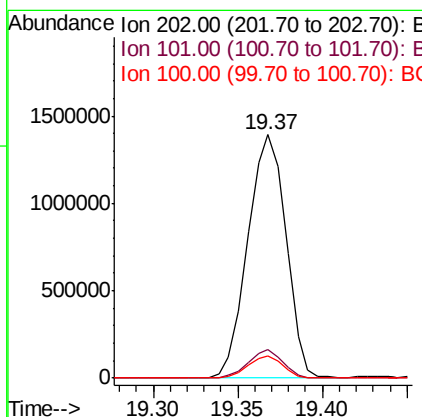
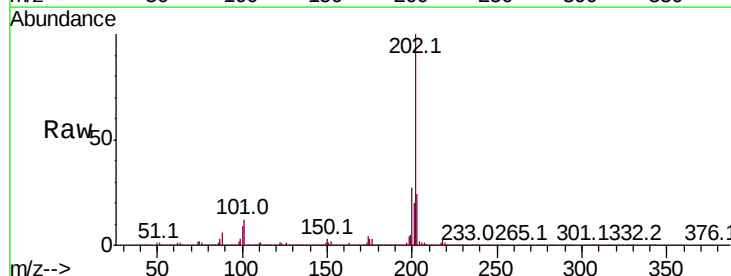
Instrument :
 BNA_G
 ClientSampleId :

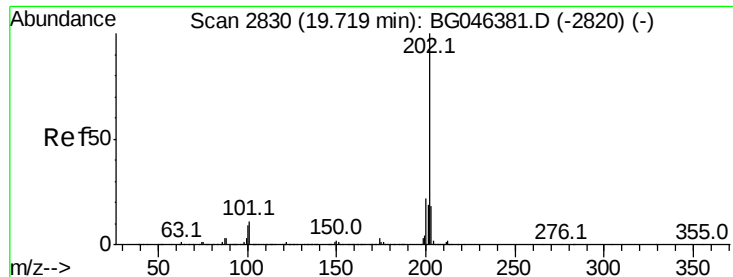
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.2	19.8
176	19.5	15.2	22.8



#17
 Fluoranthene
 Concen: 71.984 ng/ul
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.01 min
 Lab File: BG046389.D
 Acq: 20 Aug 2020 21:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	7.8	11.6#
100	9.0	5.9	8.9#

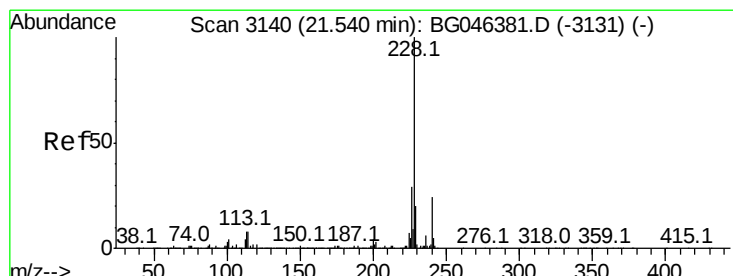
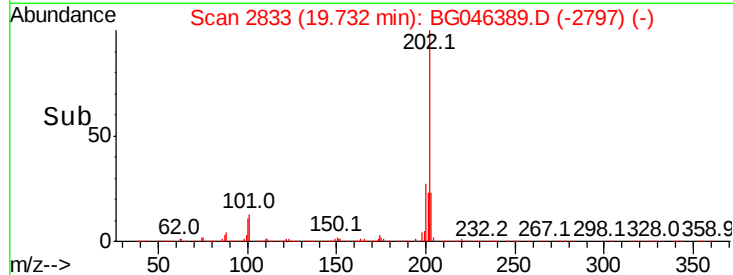
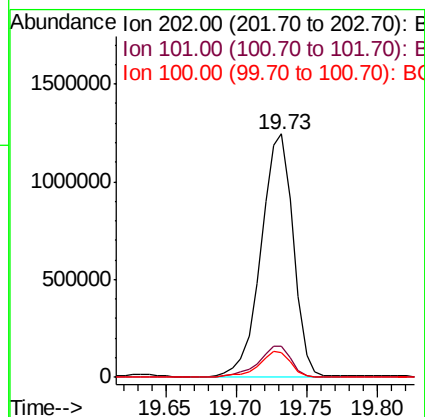
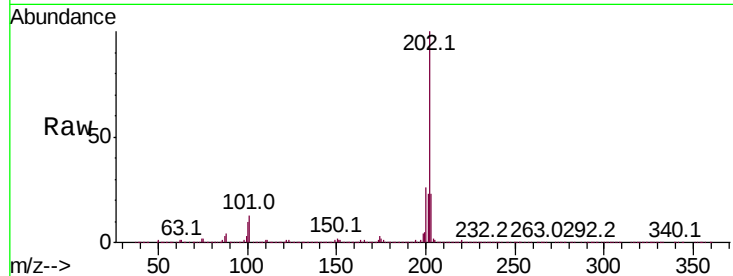




#20
Pvrene
Concen: 58.498 ng/ul
RT: 19.73 min Scan# 2833
Delta R.T. 0.01 min
Lab File: BG046389.D
Acq: 20 Aug 2020 21:57

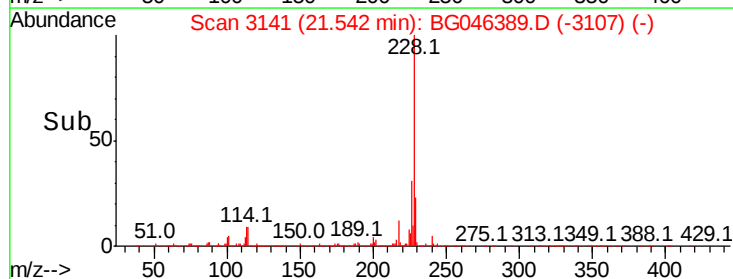
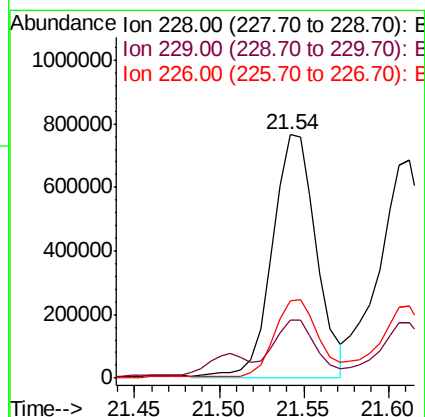
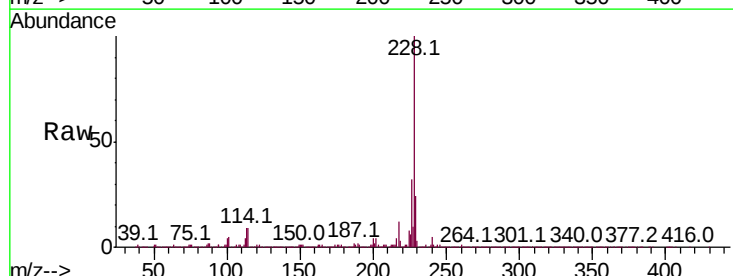
Instrument :
BNA_G
ClientSampleId :

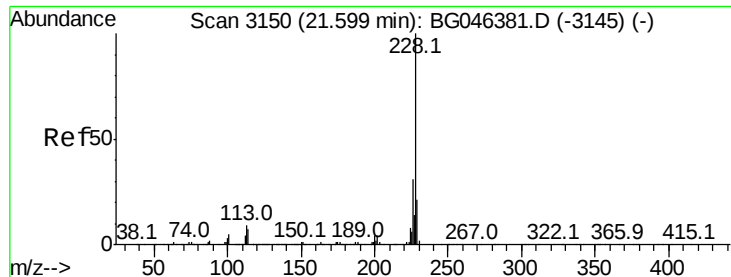
Tot Ion:202 Resp: 1993217
Ion Ratio Lower Upper
202 100
101 13.0 8.9 13.3
100 10.4 7.9 11.9



#21
Benzo(a)anthracene
Concen: 40.740 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046389.D
Acq: 20 Aug 2020 21:57

Tgt Ion:228 Resp: 1375922
Ion Ratio Lower Upper
228 100
229 23.7 16.6 25.0
226 31.6 22.6 33.8





#22

Chrysene

Concen: 42.124 ng/ul

RT: 21.54 min Scan# 3141

Delta R.T. -0.06 min

Lab File: BG046389.D

Acq: 20 Aug 2020 21:57

Instrument :

BNA_G

ClientSampleId :

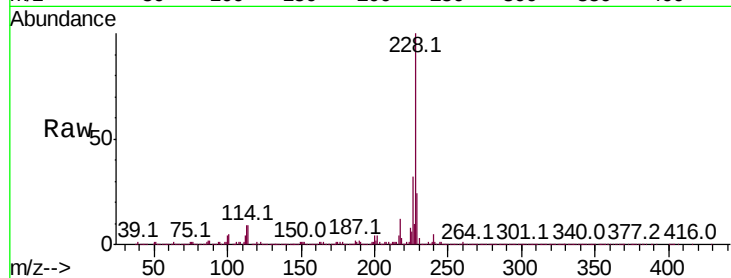
Tot Ion:228 Resp: 1375312

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.5	38.3
229	23.7	17.0	25.4

228 100

226 31.6 25.5 38.3

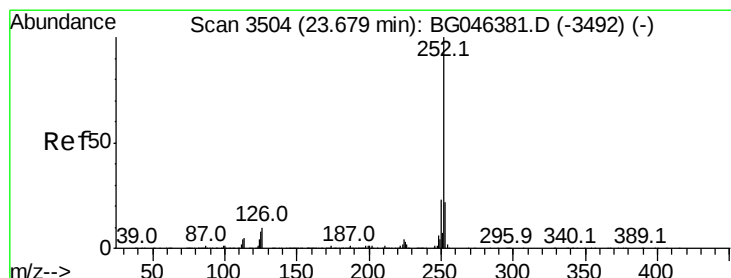
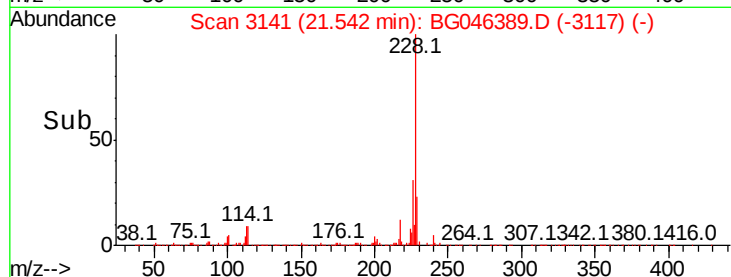
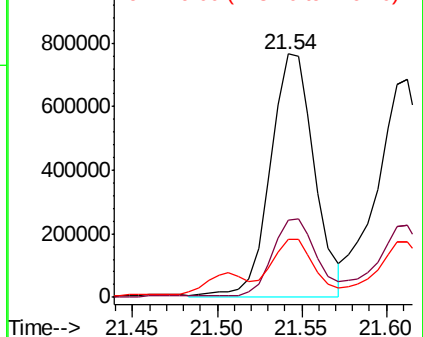
229 23.7 17.0 25.4



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: 44.604 ng/ul

RT: 23.70 min Scan# 3509

Delta R.T. 0.03 min

Lab File: BG046389.D

Acq: 20 Aug 2020 21:57

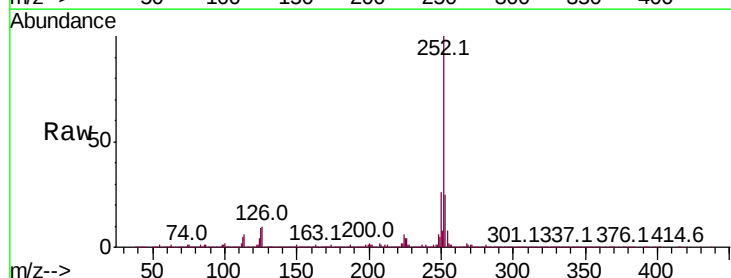
Tgt Ion:252 Resp: 1660391

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	8.7	6.4	9.6

252 100

253 24.6 17.8 26.6

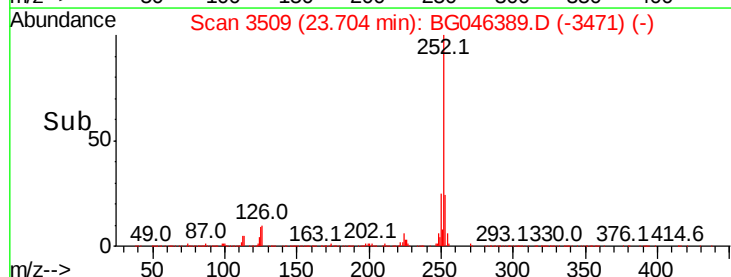
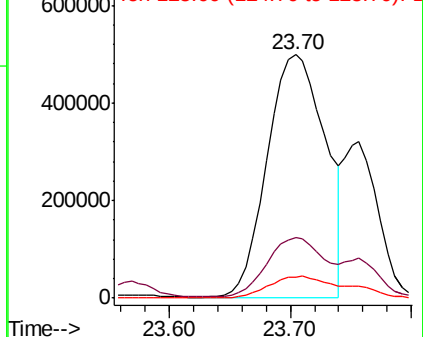
125 8.7 6.4 9.6

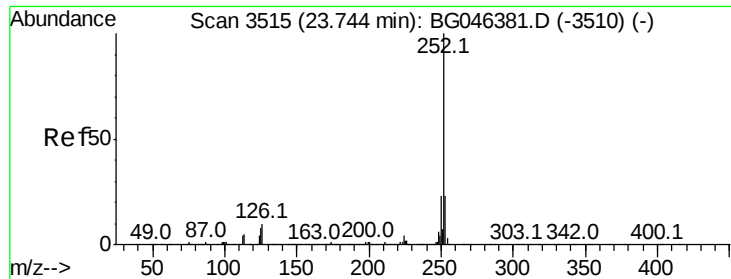


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

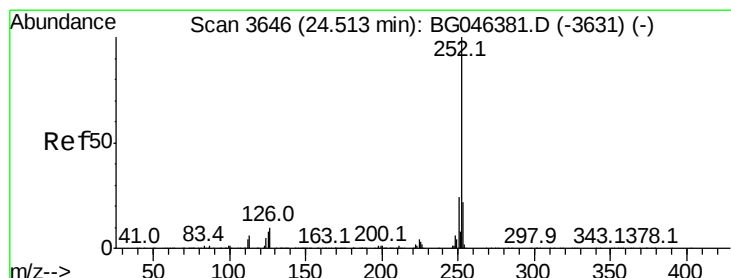
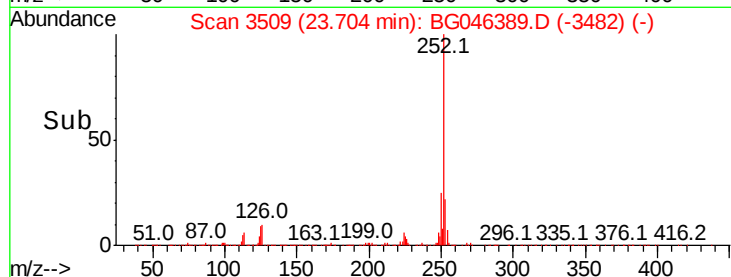
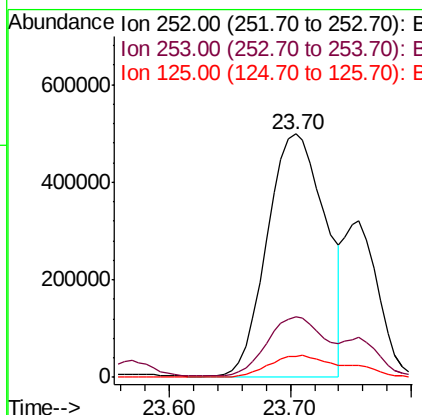
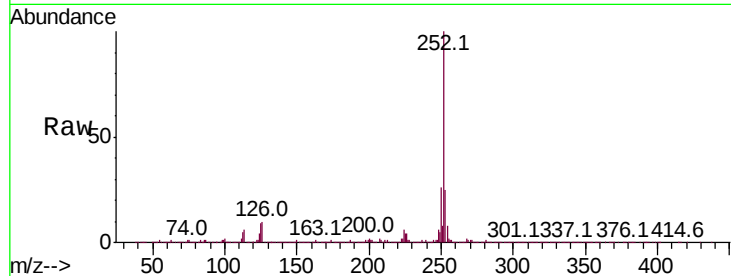




#25
Benzo(k)fluoranthene
Concen: 44.964 ng/u1
RT: 23.70 min Scan# 3509
Delta R.T. -0.04 min
Lab File: BG046389.D
Acq: 20 Aug 2020 21:57

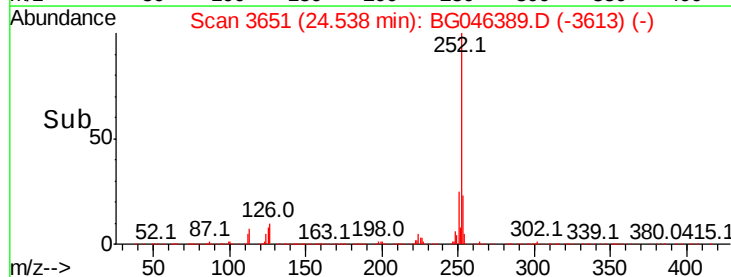
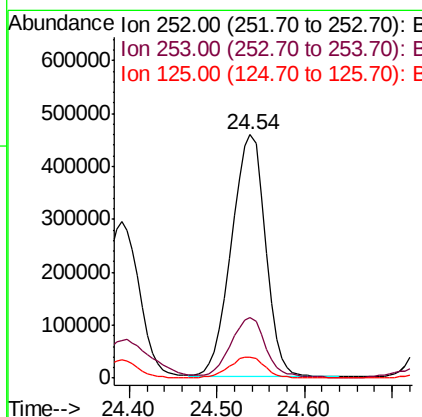
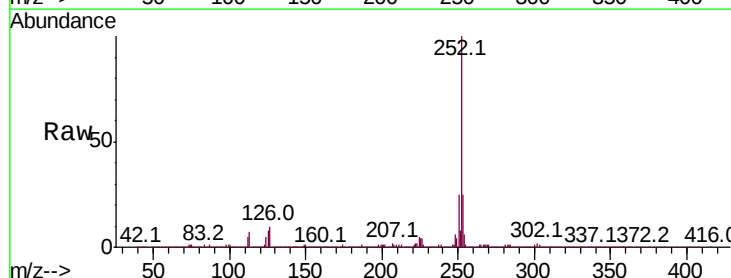
Instrument :
BNA_G
ClientSampleId :

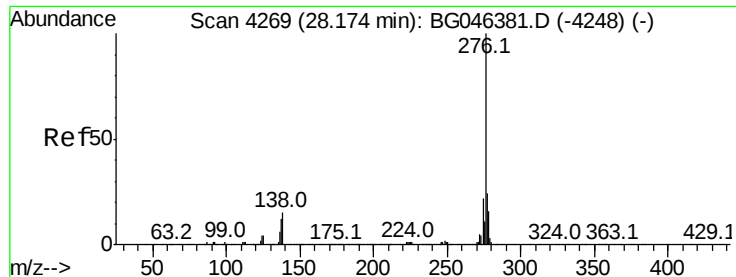
Tot Ion:252 Resp: 1660391
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 8.7 6.2 9.2



#27
Benzo(a)pyrene
Concen: 35.287 ng/u1
RT: 24.54 min Scan# 3651
Delta R.T. 0.03 min
Lab File: BG046389.D
Acq: 20 Aug 2020 21:57

Tgt Ion:252 Resp: 1205937
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 8.5 7.1 10.7



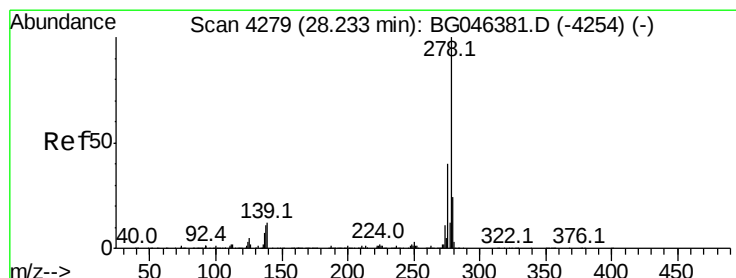
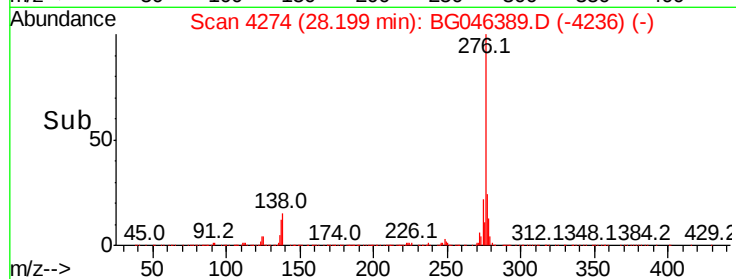
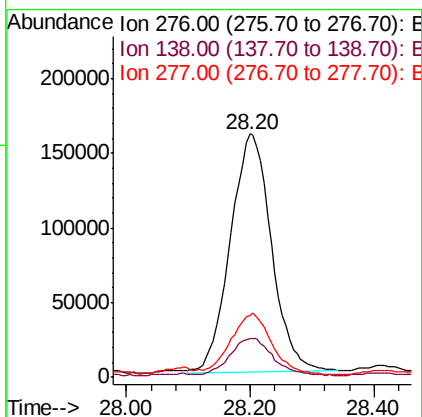
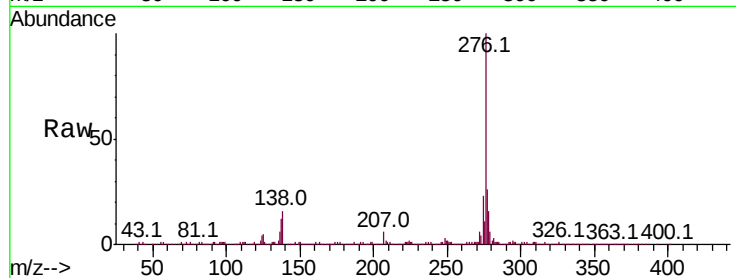


#28

Indeno(1,2,3-cd)pyrene
Concen: 17.188 ng/ul
RT: 28.20 min Scan# 4274
Delta R.T. 0.03 min
Lab File: BG046389.D
Acq: 20 Aug 2020 21:57

Instrument :
BNA_G
ClientSampleId :

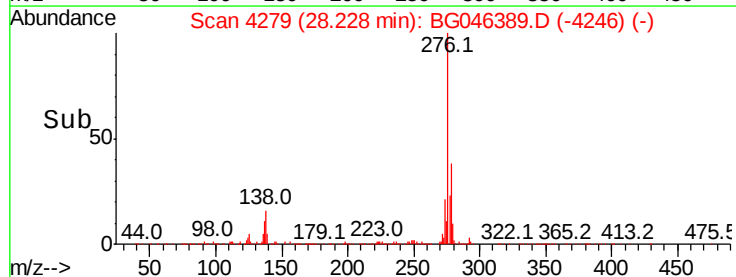
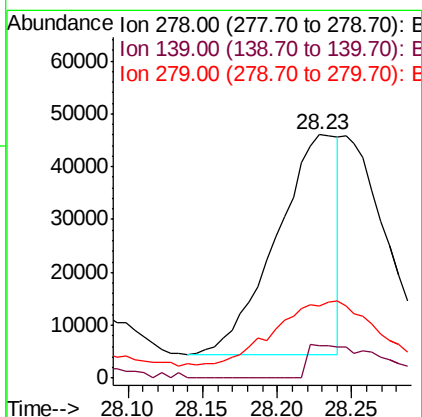
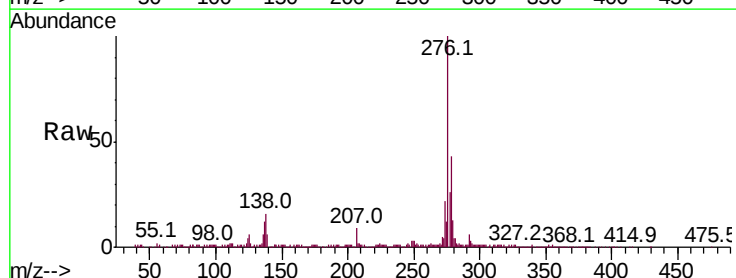
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.2	19.8
277	25.6	19.9	29.9

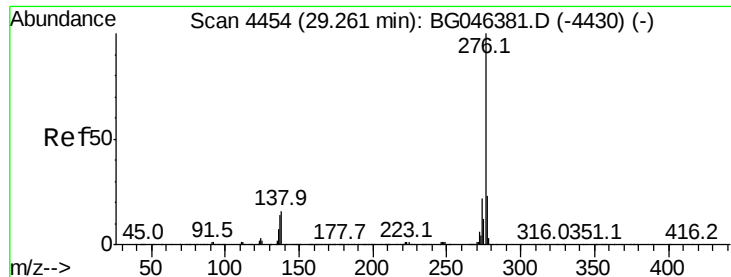


#29

Dibenzo(a,h)anthracene
Concen: 3.436 ng/ul
RT: 28.23 min Scan# 4279
Delta R.T. -0.00 min
Lab File: BG046389.D
Acq: 20 Aug 2020 21:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.5	9.8	14.8
279	29.5	19.7	29.5#

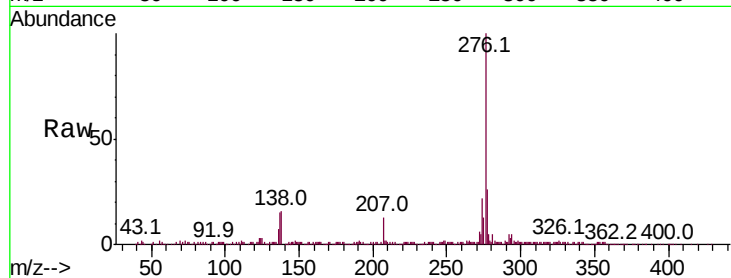




#30
 Benzo(a,h,i)perylene
 Concen: 11.121 ng/ul
 RT: 29.29 min Scan# 4460
 Delta R.T. 0.03 min
 Lab File: BG046389.D
 Acq: 20 Aug 2020 21:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	15.9	12.9	19.3	
277	25.6	19.4	29.0	



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

