

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046355.D
 Acq On : 19 Aug 2020 20:47
 Operator : CG/JU
 Sample : L3633-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMD8

Quant Time: Aug 20 01:29:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 01:26:46 2020
 Response via : Initial Calibration

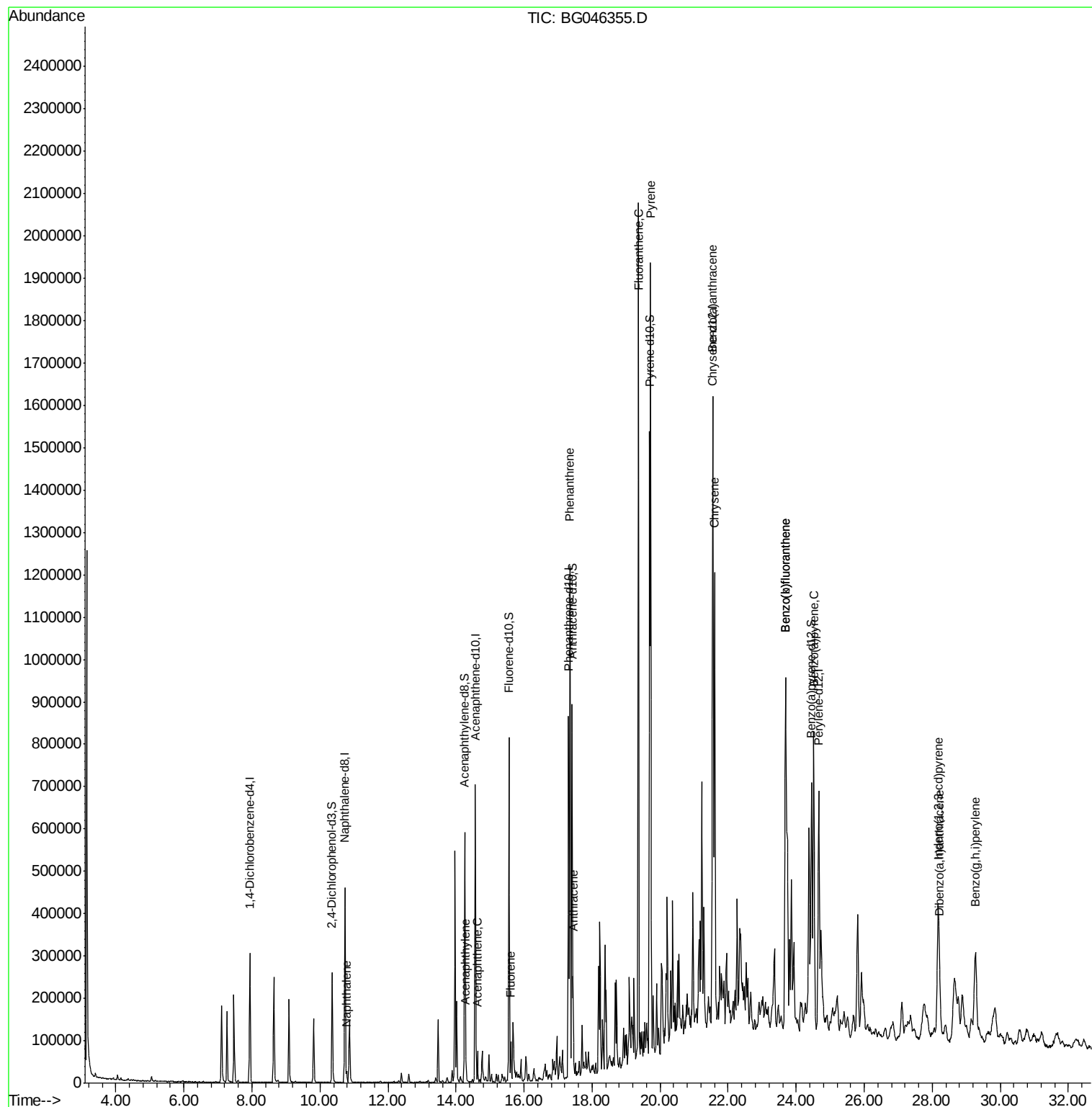
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	99965	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	402699	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	260282	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	560953	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	538545	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	575892	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	114196	16.47	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	439739	18.36	ng/ul	0.00
10) Fluorene-d10	15.56	176	344841	18.79	ng/ul	0.00
15) Anthracene-d10	17.41	188	520471	20.02	ng/ul	0.00
19) Pyrene-d10	19.69	212	594246	21.44	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	645082	20.53	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	23377	1.116	ng/ul	99
8) Acenaphthylene	14.29	152	42245	1.735	ng/ul	96
9) Acenaphthene	14.63	153	31894	1.834	ng/ul	96
11) Fluorene	15.61	166	38875	1.912	ng/ul#	99
14) Phenanthrene	17.35	178	780353	25.287	ng/ul	99
16) Anthracene	17.44	178	157382	5.054	ng/ul	100
17) Fluoranthene	19.36	202	1287173	37.406	ng/ul	100
20) Pyrene	19.72	202	1162848	32.895	ng/ul	98
21) Benzo(a)anthracene	21.54	228	743835	21.228	ng/ul	96
22) Chrysene	21.60	228	753963	22.259	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	1045637	27.457	ng/ul	98
25) Benzo(k)fluoranthene	23.69	252	1045637	27.679	ng/ul	99
27) Benzo(a)pyrene	24.52	252	756225	21.630	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.18	276	527358	12.046	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	155588	4.383	ng/ul	97
30) Benzo(g,h,i)perylene	29.28	276	429454	11.722	ng/ul	99

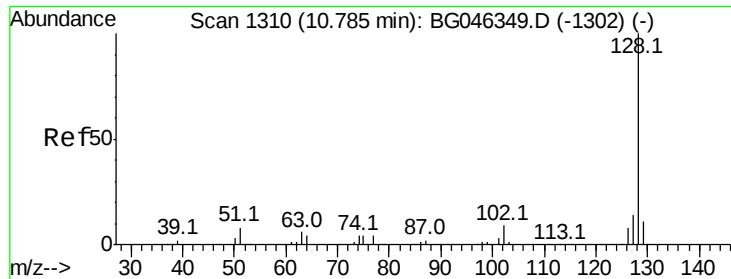
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 20 01:26:46 2020
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#4

Naphthalene

Concen: 1.116 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

ClientSampleId :

BFMD8

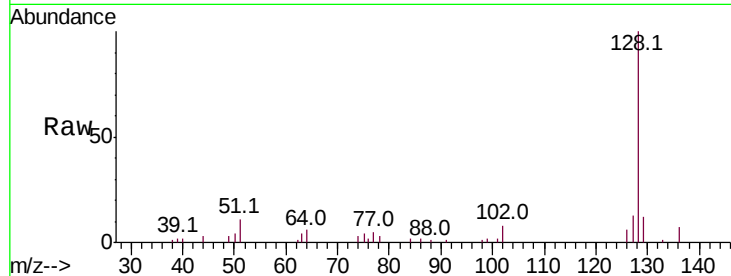
Tot Ion:128 Resp: 23377

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

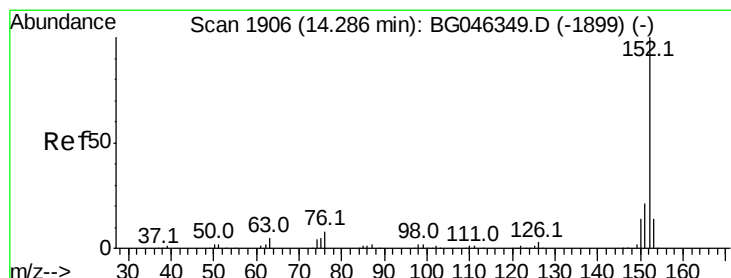
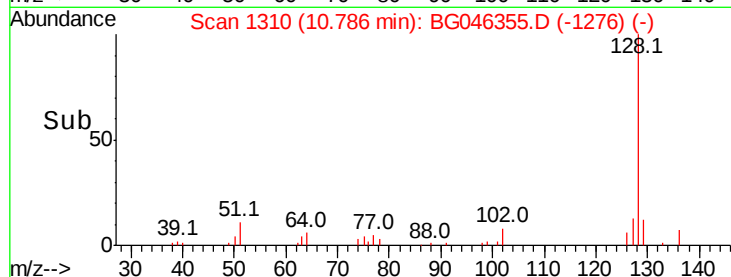
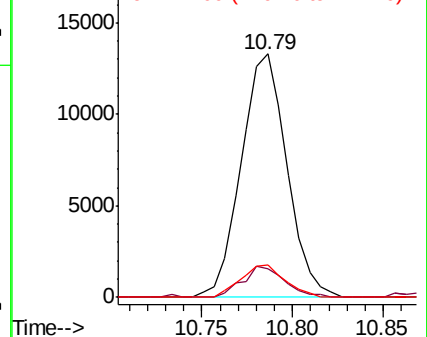
127 13.3 10.9 16.3



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



#8

Acenaphthylene

Concen: 1.735 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

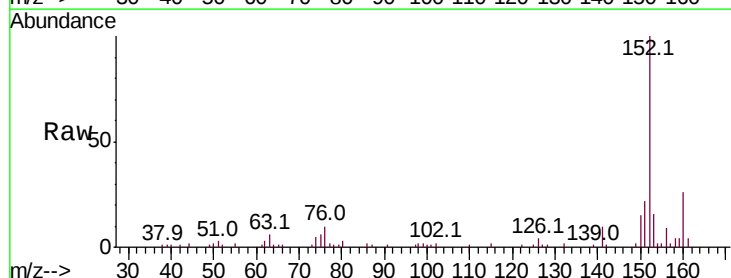
Tgt Ion:152 Resp: 42245

Ion Ratio Lower Upper

152 100

151 22.3 16.5 24.7

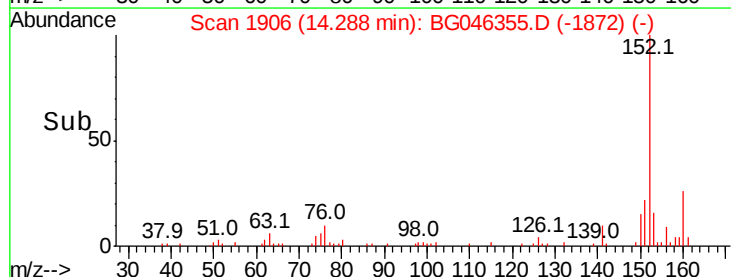
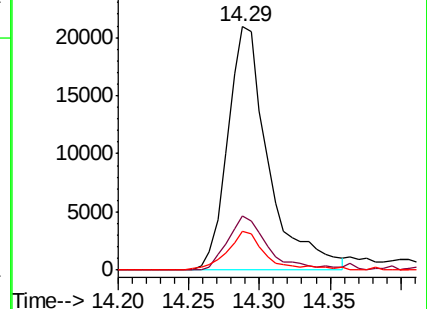
153 15.7 11.0 16.6

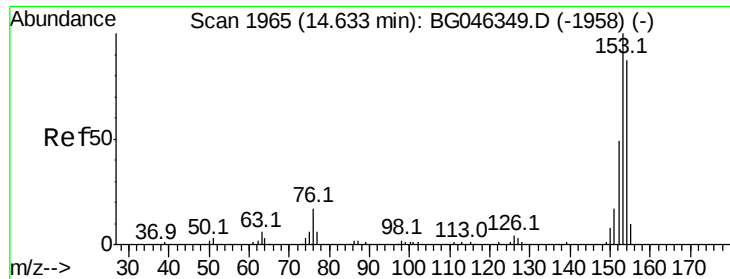


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.834 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

ClientSampleId :

BFMD8

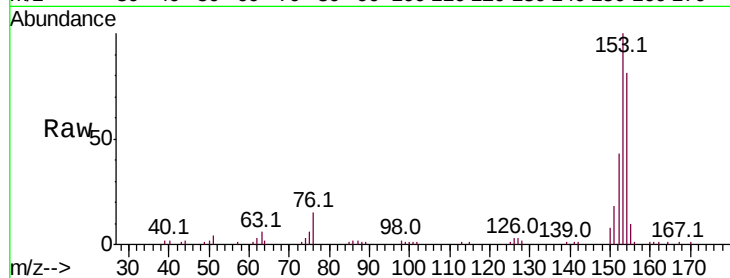
Tot Ion:153 Resp: 31894

Ion Ratio Lower Upper

153 100

152 43.3 37.2 55.8

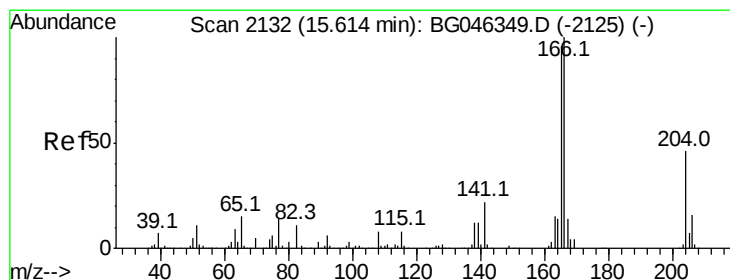
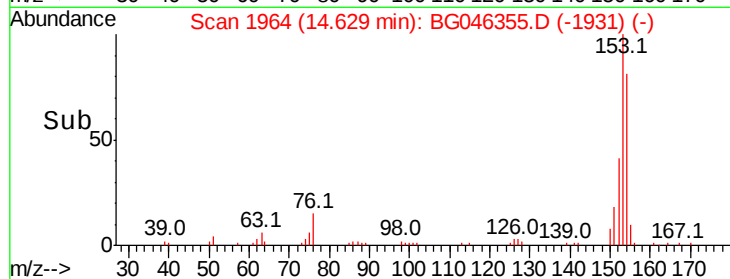
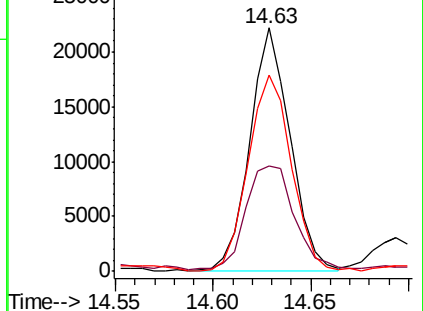
154 80.9 67.8 101.6



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: 1.912 ng/ul

RT: 15.61 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

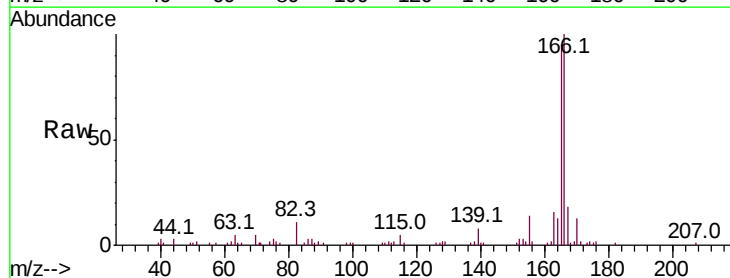
Tgt Ion:166 Resp: 38875

Ion Ratio Lower Upper

166 100

165 95.0 75.9 113.9

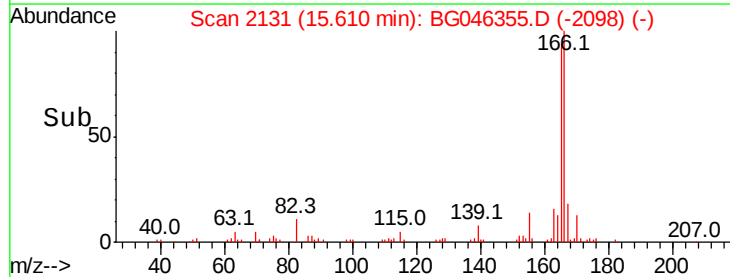
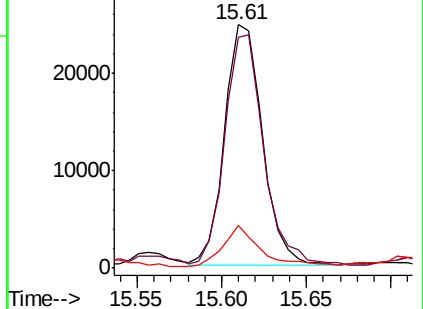
167 17.8 10.7 16.1#

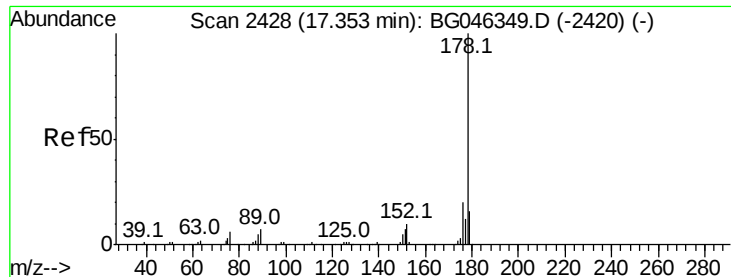


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

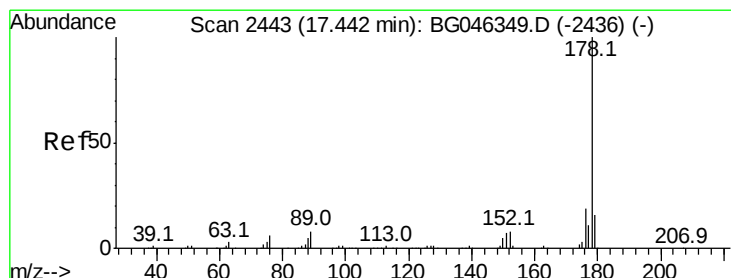
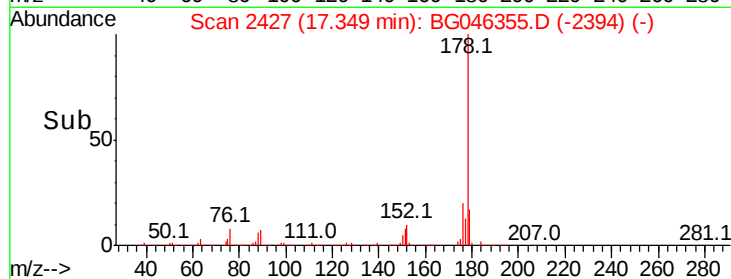
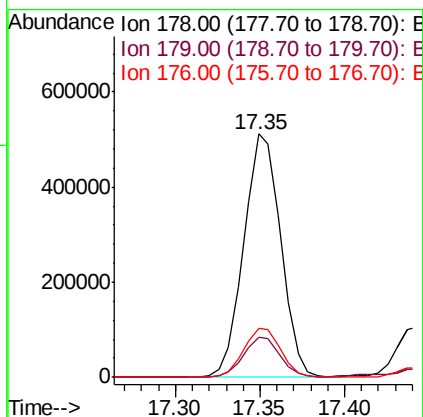
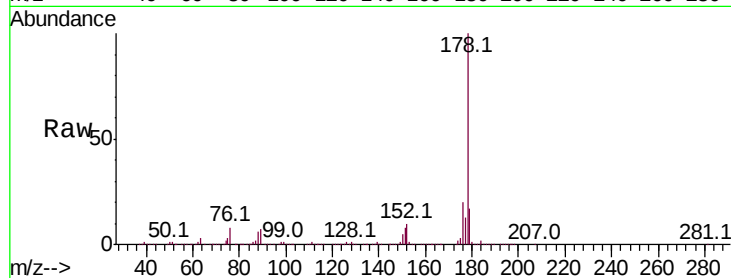




#14
Phenanthrene
Concen: 25.287 ng/ul
RT: 17.35 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG046355.D
Acq: 19 Aug 2020 20:47

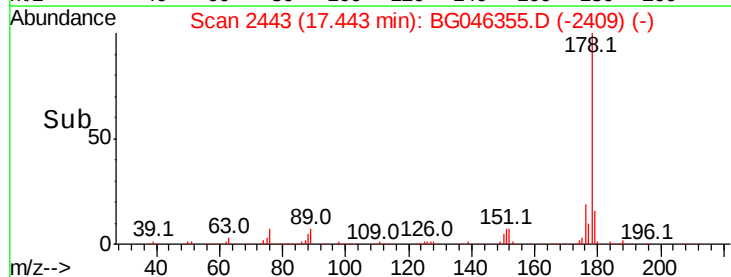
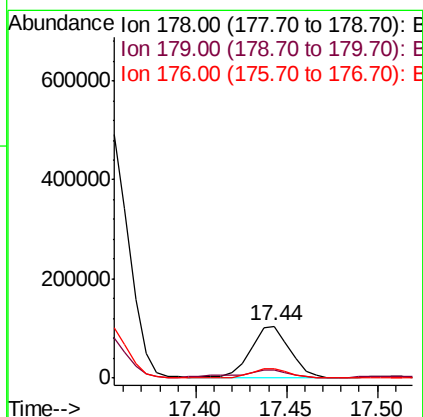
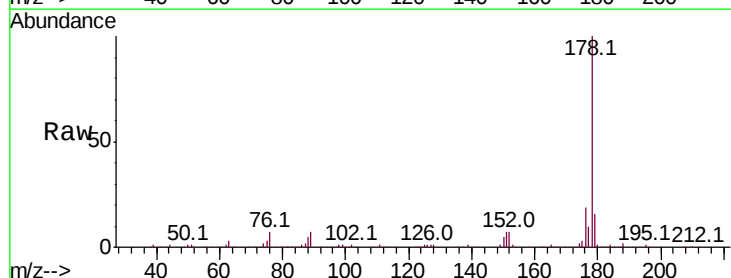
Instrument :
BNA_G
ClientSampleId :
BFMD8

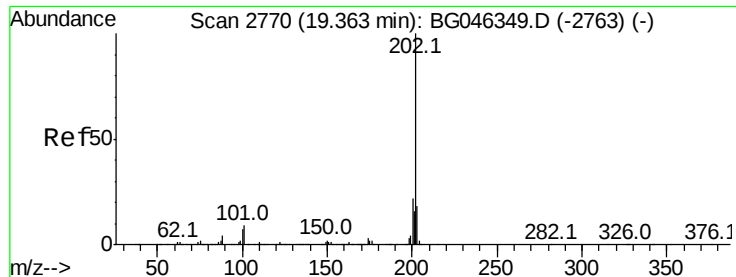
Tot Ion:178 Resp: 780353
Ion Ratio Lower Upper
178 100
179 16.5 12.8 19.2
176 20.0 15.8 23.8



#16
Anthracene
Concen: 5.054 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG046355.D
Acq: 19 Aug 2020 20:47

Tgt Ion:178 Resp: 157382
Ion Ratio Lower Upper
178 100
179 16.4 13.2 19.8
176 18.7 15.2 22.8



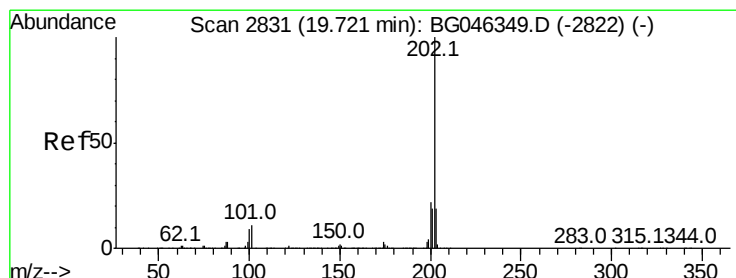
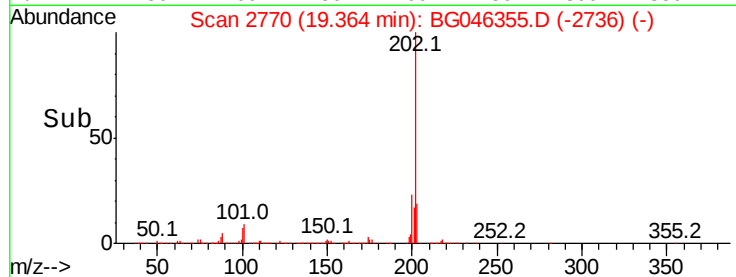
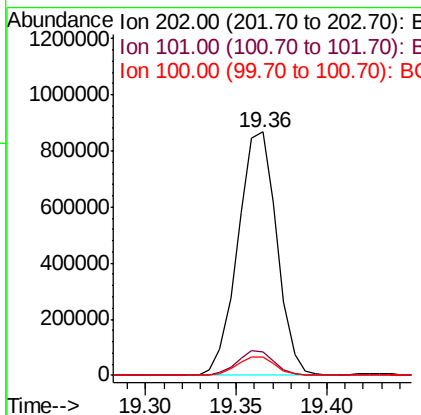
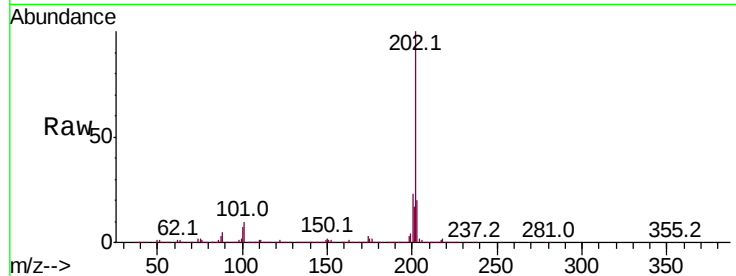


#17
Fluoranthene
 Concen: 37.406 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046355.D
 Acq: 19 Aug 2020 20:47

Instrument :
 BNA_G
 ClientSampleId :
 BFMD8

Tot Ion:202 Resp: 1287173

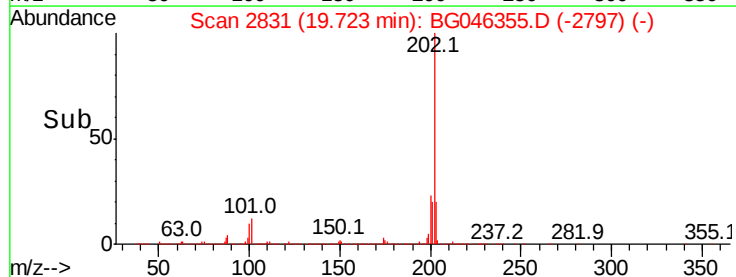
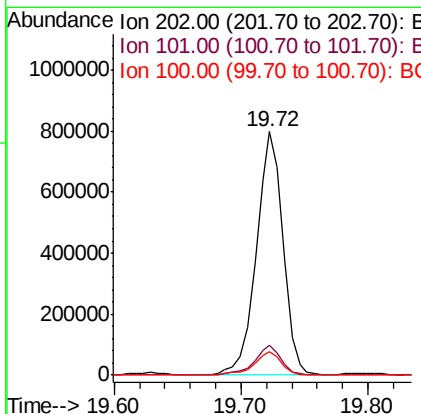
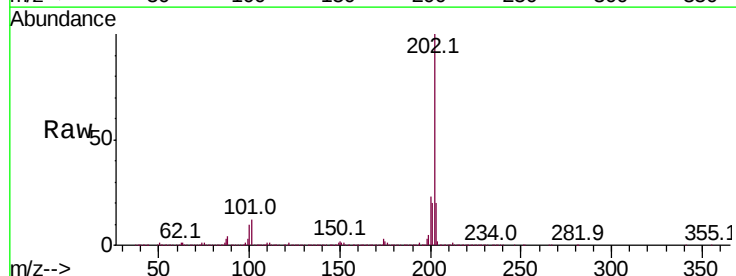
Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.8	11.6
100	7.3	5.9	8.9

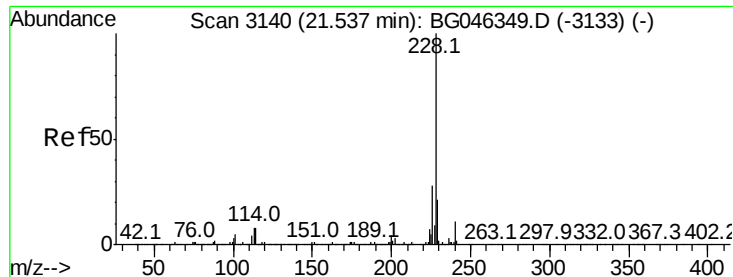


#20
Pyrene
 Concen: 32.895 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: BG046355.D
 Acq: 19 Aug 2020 20:47

Tgt Ion:202 Resp: 1162848

Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.9	13.3
100	9.8	7.9	11.9





#21

Benzo(a)anthracene

Concen: 21.228 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

ClientSampleId :

BFMD8

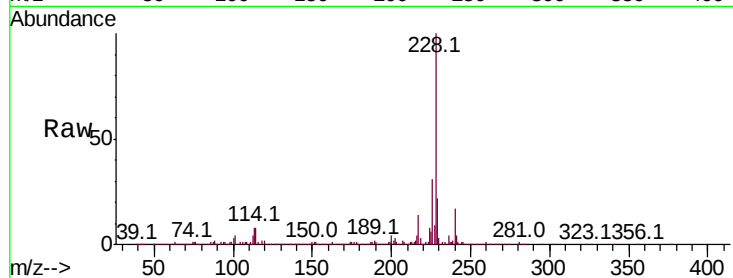
Tot Ion:228 Resp: 743835

Ion	Ratio	Lower	Upper
228	100		
229	22.3	16.6	25.0
226	30.6	22.6	33.8

228 100

229 22.3 16.6 25.0

226 30.6 22.6 33.8

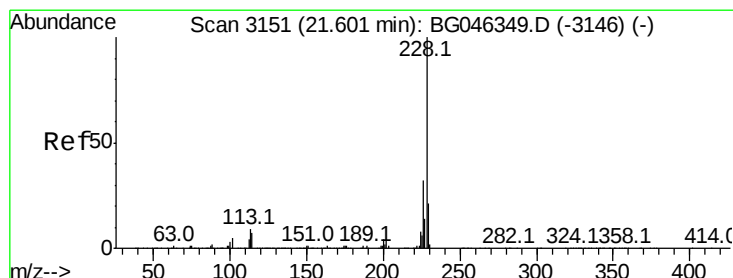
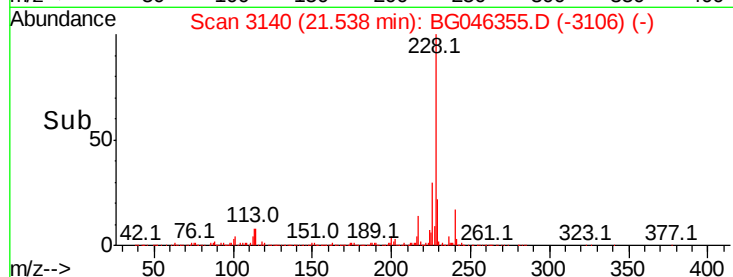
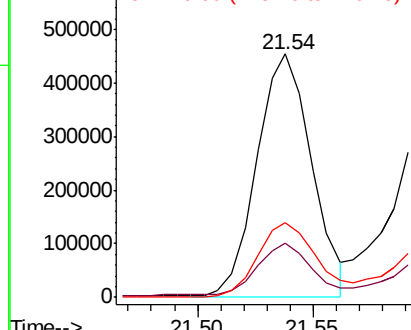


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 22.259 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

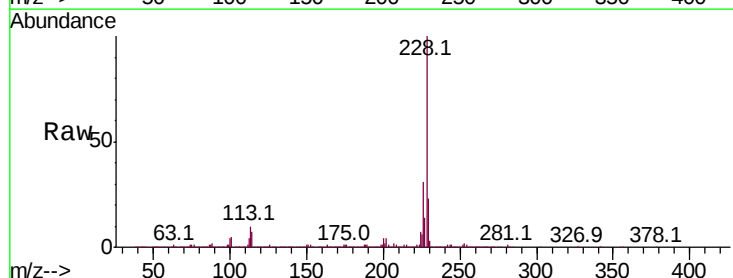
Tgt Ion:228 Resp: 753963

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	22.6	17.0	25.4

228 100

226 31.4 25.5 38.3

229 22.6 17.0 25.4

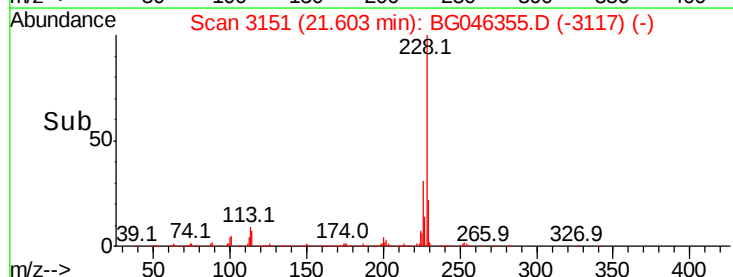
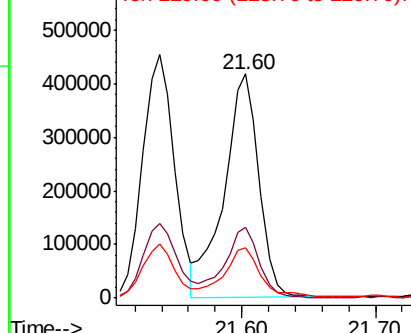


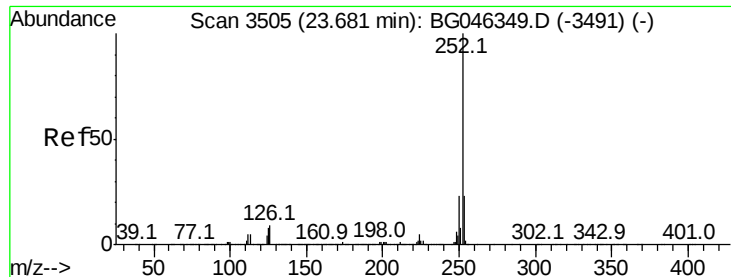
Abundance

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: 27.457 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.01 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

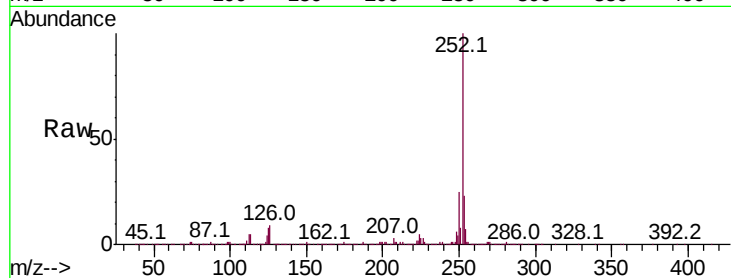
BNA_G

ClientSampleId :

BFMD8

Tot Ion:252 Resp: 1045637

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	8.3	6.4	9.6

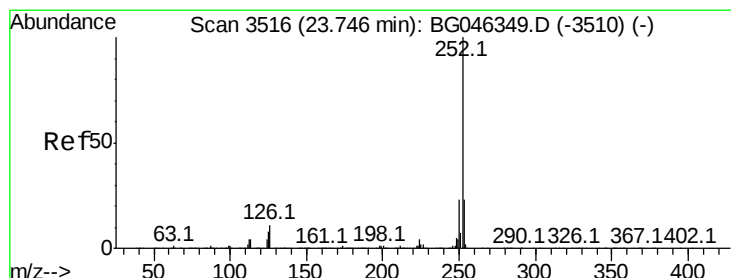
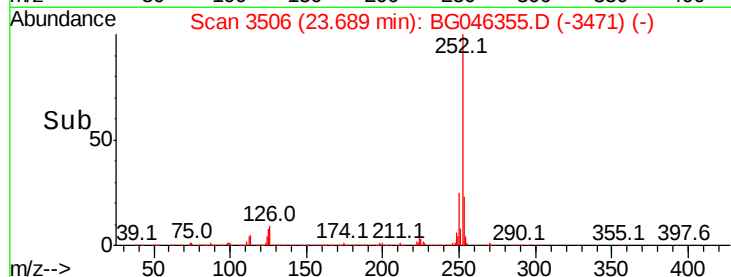
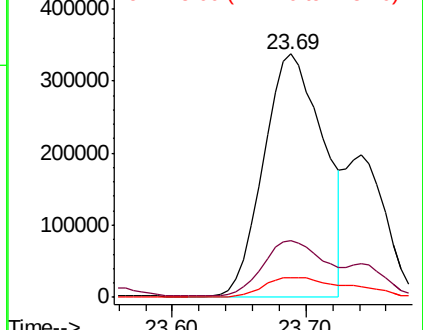


Abundance

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: 27.679 ng/ul

RT: 23.69 min Scan# 3506

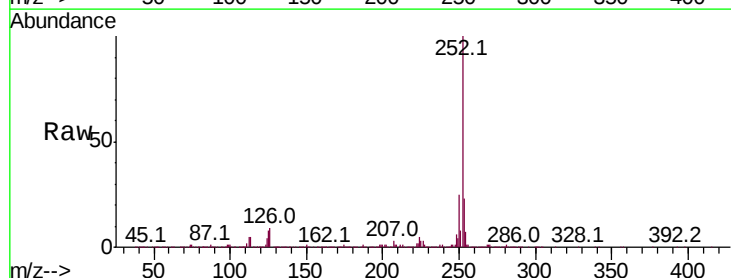
Delta R.T. -0.06 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Tgt Ion:252 Resp: 1045637

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	8.3	6.2	9.2

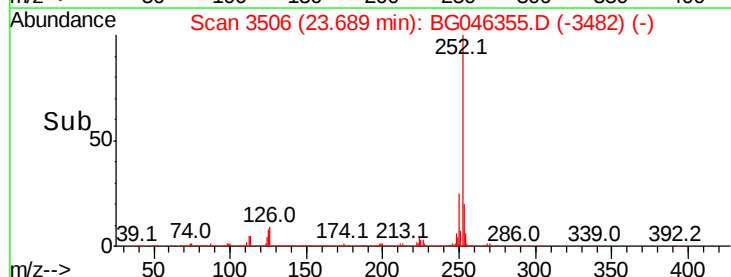
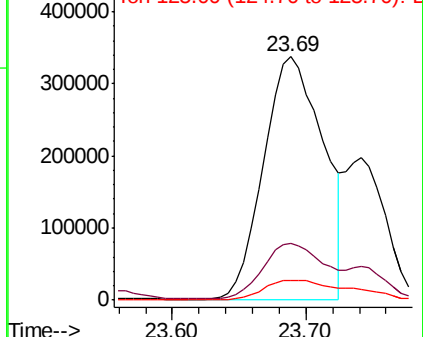


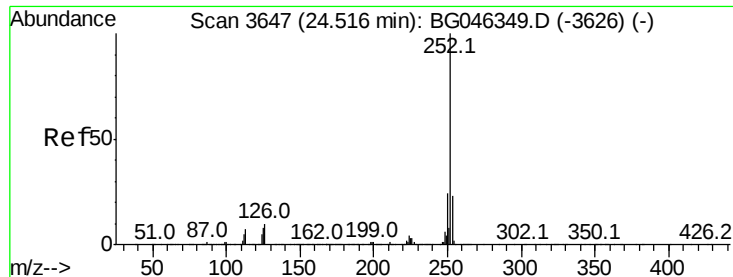
Abundance

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: 21.630 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. 0.00 min

Lab File: BG046355.D

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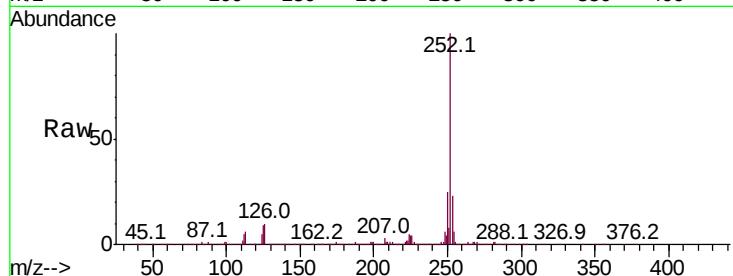
Tot Ion:252 Resp: 756225

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

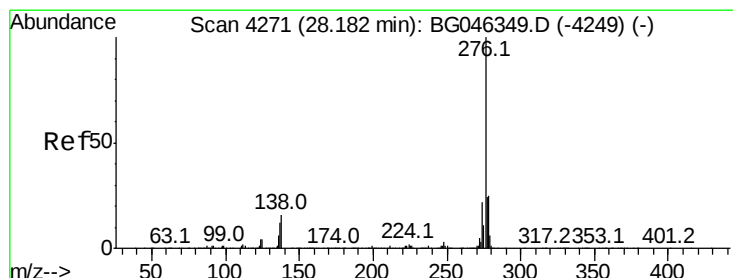
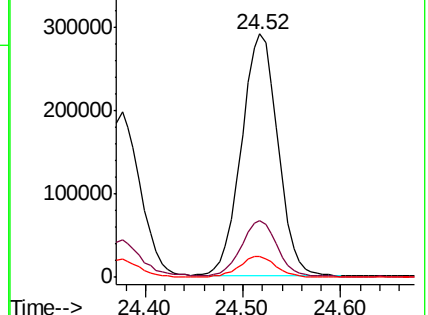
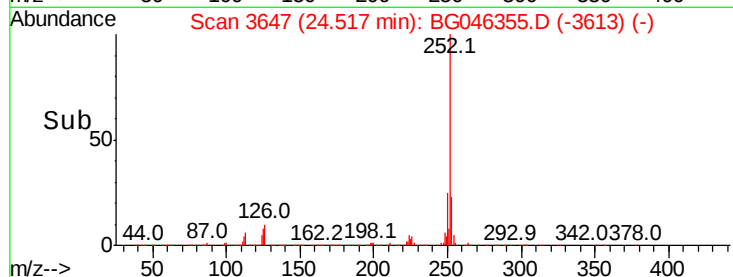
125 8.7 7.1 10.7



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: 12.046 ng/ul

RT: 28.18 min Scan# 4270

Delta R.T. -0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

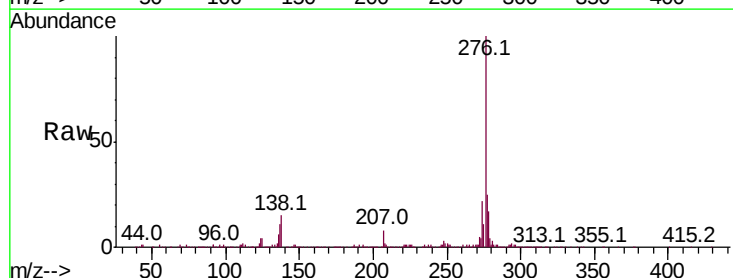
Tgt Ion:276 Resp: 527358

Ion Ratio Lower Upper

276 100

138 14.7 13.2 19.8

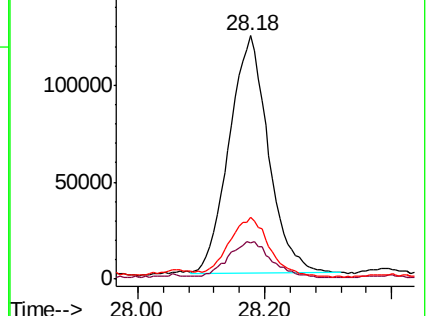
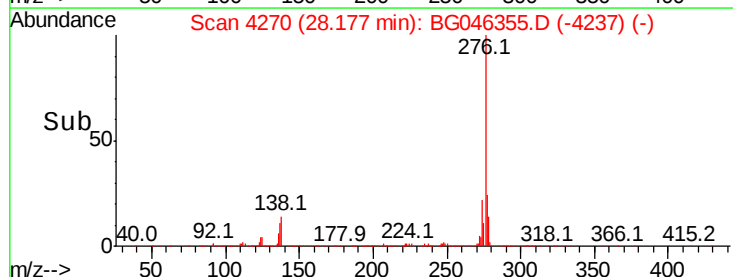
277 25.5 19.9 29.9

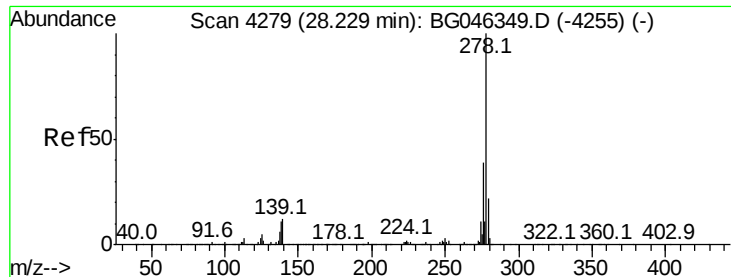


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



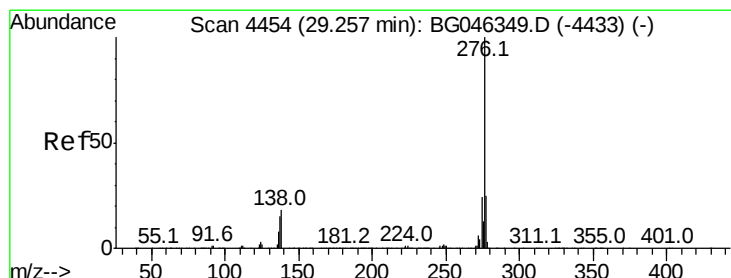
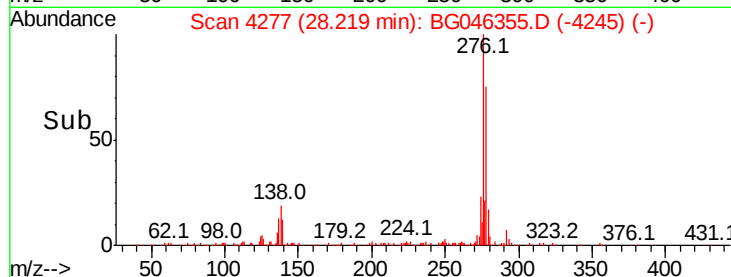
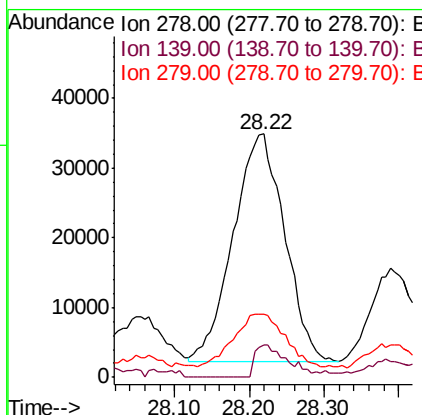
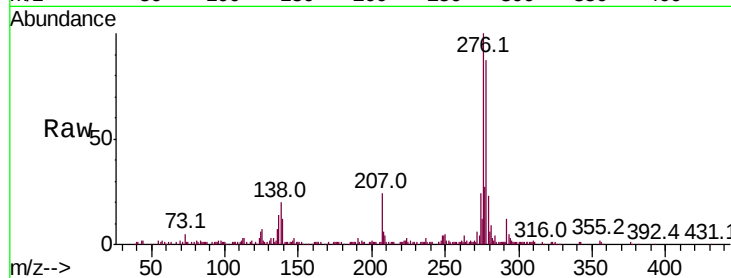


#29

Dibenzo(a,h)anthracene
 Concen: 4.383 ng/ul
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.01 min
 Lab File: BG046355.D
 Acq: 19 Aug 2020 20:47

Instrument :
 BNA_G
 ClientSampleId :
 BFMD8

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.2	9.8	14.8
279	26.0	19.7	29.5



#30

Benzo(g,h,i)perylene
 Concen: 11.722 ng/ul
 RT: 29.28 min Scan# 4457
 Delta R.T. 0.02 min
 Lab File: BG046355.D
 Acq: 19 Aug 2020 20:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	12.9	19.3
277	24.4	19.4	29.0

