

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046392.D
 Acq On : 20 Aug 2020 23:58
 Operator : CG/JU
 Sample : L3634-19
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMP4

Quant Time: Aug 21 00:39:58 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

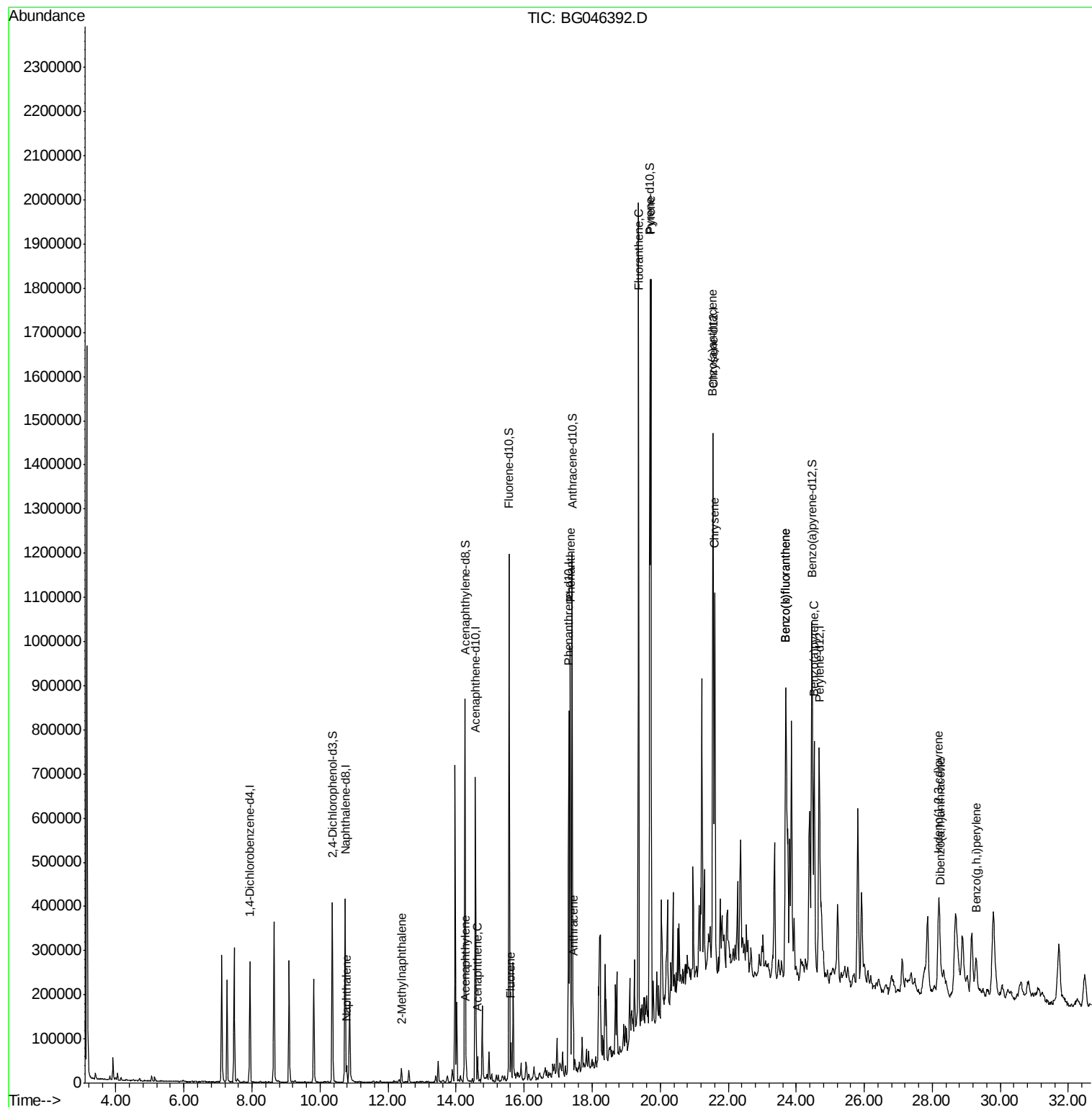
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	85804	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	361277	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	241807	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	538170	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	522754	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	557236	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	175053	28.14	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	663265	29.81	ng/ul	0.00
10) Fluorene-d10	15.56	176	499172	29.27	ng/ul	0.00
15) Anthracene-d10	17.41	188	708343	28.39	ng/ul	0.00
19) Pyrene-d10	19.70	212	799993	29.73	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	890090	29.27	ng/ul	0.01
Target Compounds				Qvalue		
4) Naphthalene	10.79	128	30904	1.645	ng/ul	96
5) 2-Methylnaphthalene	12.40	142	16425	1.147	ng/ul	98
8) Acenaphthylene	14.29	152	43043	1.902	ng/ul	98
9) Acenaphthene	14.63	153	26307	1.628	ng/ul	99
11) Fluorene	15.61	166	27947	1.479	ng/ul	98
14) Phenanthrene	17.35	178	638438	21.564	ng/ul	100
16) Anthracene	17.44	178	106347	3.560	ng/ul	99
17) Fluoranthene	19.36	202	1116083	33.807	ng/ul	100
20) Pyrene	19.73	202	1066177	31.071	ng/ul	99
21) Benzo(a)anthracene	21.54	228	559526	16.451	ng/ul	97
22) Chrysene	21.60	228	631722	19.213	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	853570	23.164	ng/ul	98
25) Benzo(k)fluoranthene	23.69	252	853570	23.351	ng/ul	99
27) Benzo(a)pyrene	24.53	252	575924	17.024	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.19	276	392551	9.267	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	103520	3.014	ng/ul	98
30) Benzo(g,h,i)perylene	29.29	276	170858	4.820	ng/ul	96

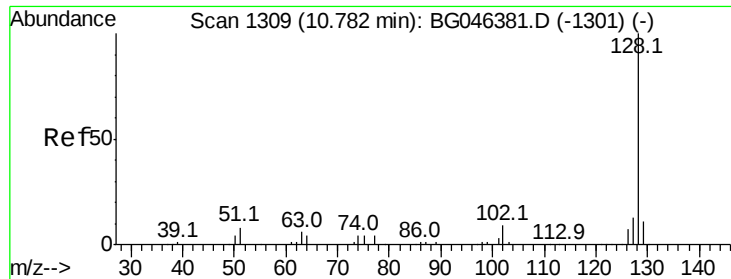
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046392.D
Acq On : 20 Aug 2020 23:58
Operator : CG/JU
Sample : L3634-19
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
BFMP4

Quant Time: Aug 21 00:39:58 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





#4

Naphthalene

Concen: 1.645 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

Instrument :

BNA_G

ClientSampleId :

BFMP4

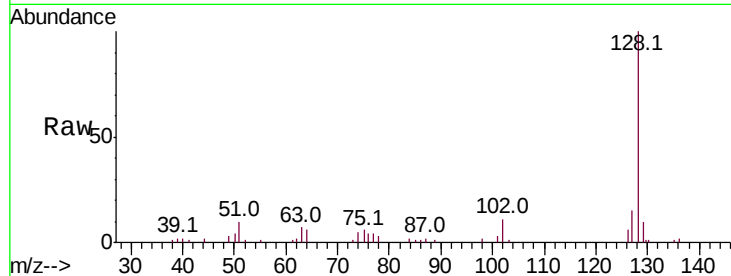
Tot Ion:128 Resp: 30904

Ion Ratio Lower Upper

128 100

129 9.6 9.0 13.6

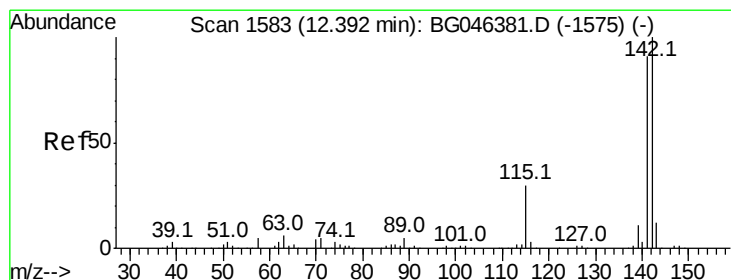
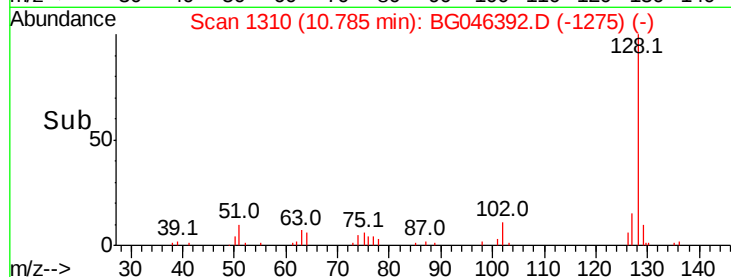
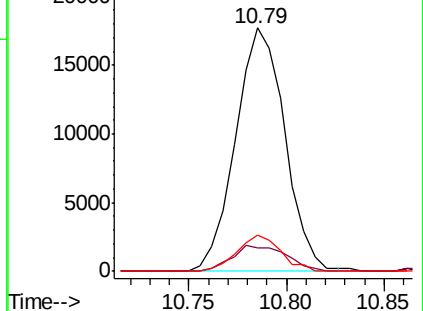
127 15.1 10.9 16.3



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: 1.147 ng/ul

RT: 12.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BG046392.D

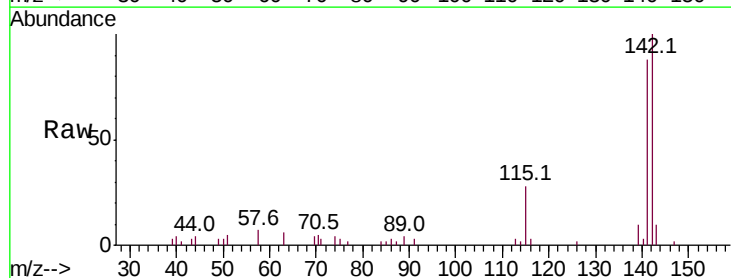
Acq: 20 Aug 2020 23:58

Tgt Ion:142 Resp: 16425

Ion Ratio Lower Upper

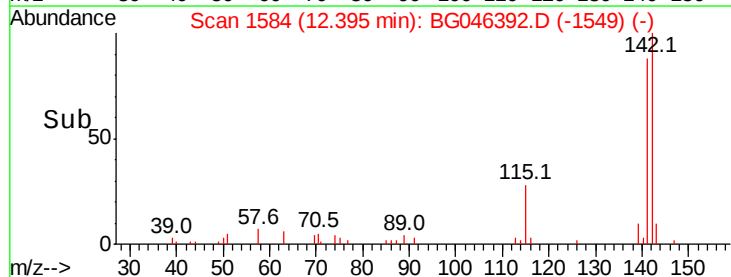
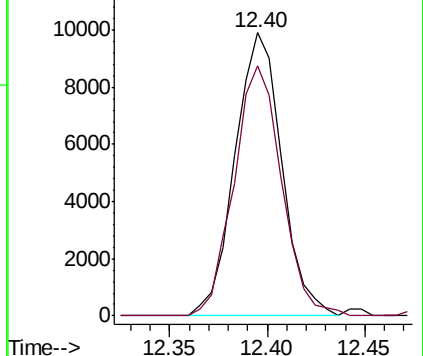
142 100

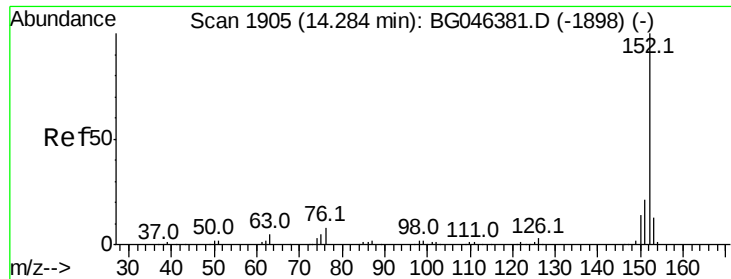
141 88.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.902 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

Instrument :

BNA_G

ClientSampled :

BFMP4

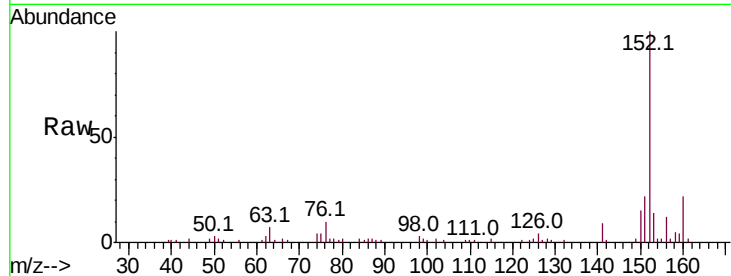
Tot Ion:152 Resp: 43043

Ion Ratio Lower Upper

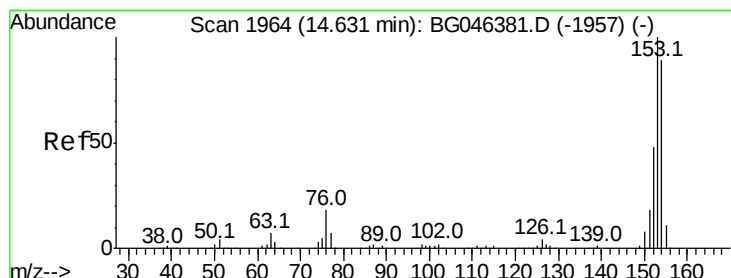
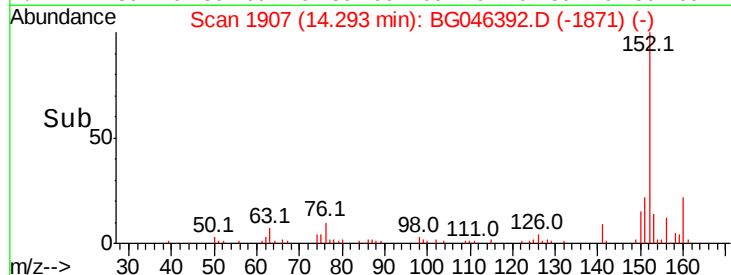
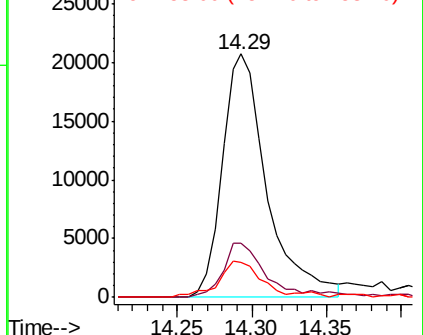
152 100

151 22.1 16.5 24.7

153 14.2 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: 1.628 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

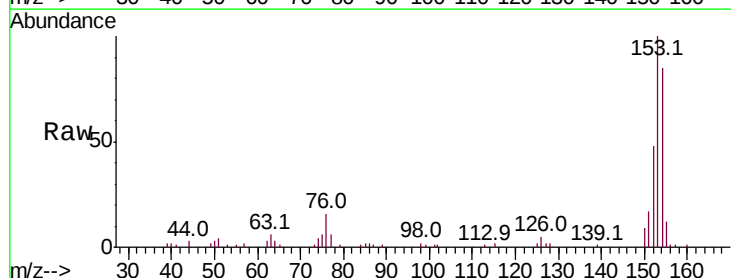
Tgt Ion:153 Resp: 26307

Ion Ratio Lower Upper

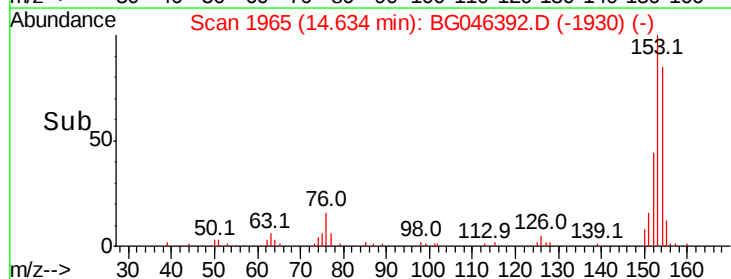
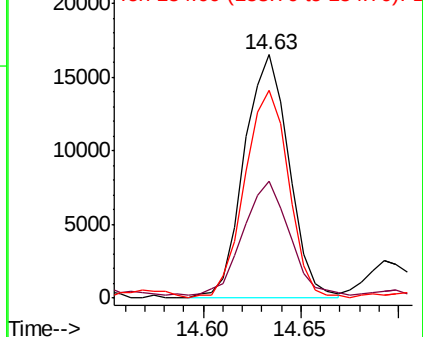
153 100

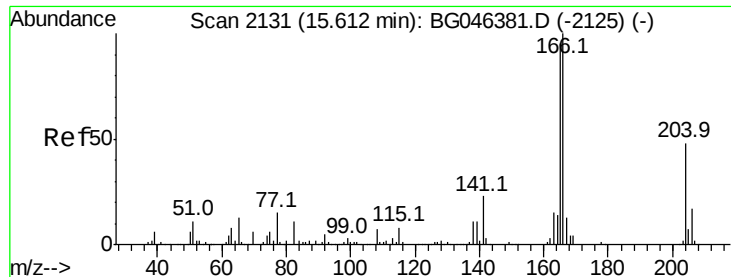
152 48.2 37.2 55.8

154 85.2 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

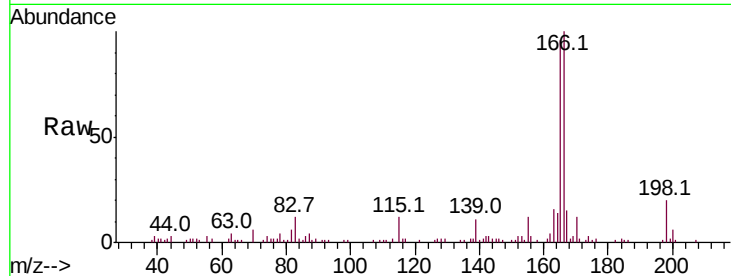




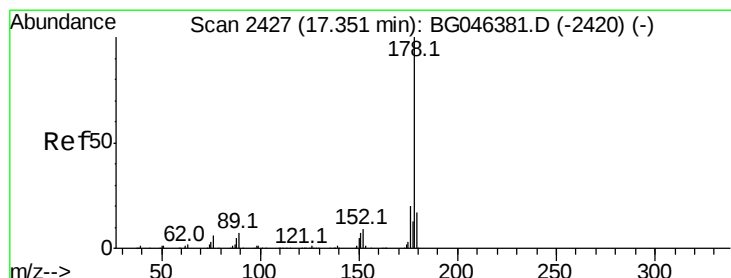
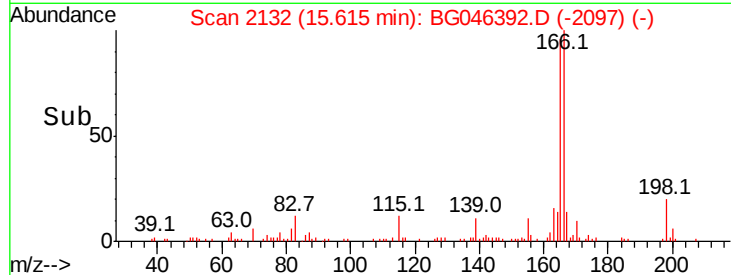
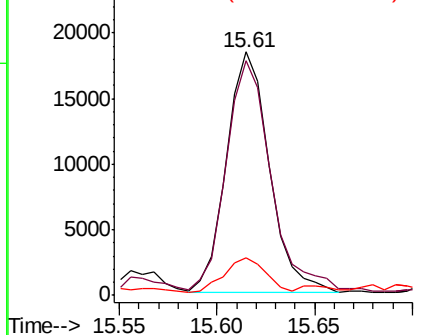
#11
Fluorene
 Concen: 1.479 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Instrument :
 BNA_G
 ClientSampleId :
 BFMP4

Tot Ion:166 Resp: 27947
 Ion Ratio Lower Upper
 166 100
 165 96.3 75.9 113.9
 167 15.4 10.7 16.1

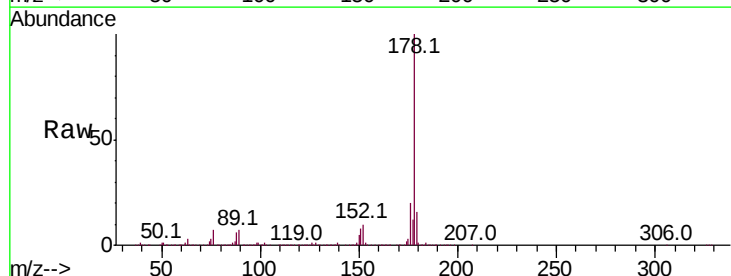


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

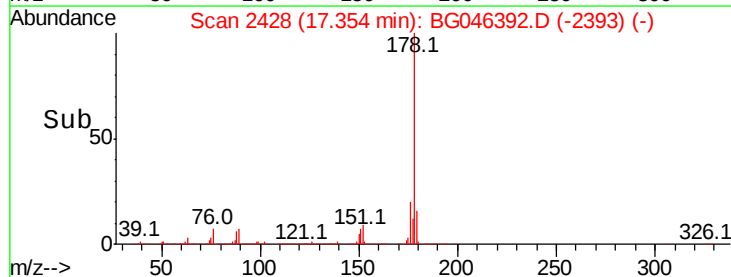
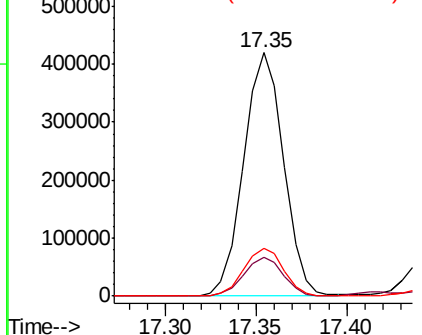


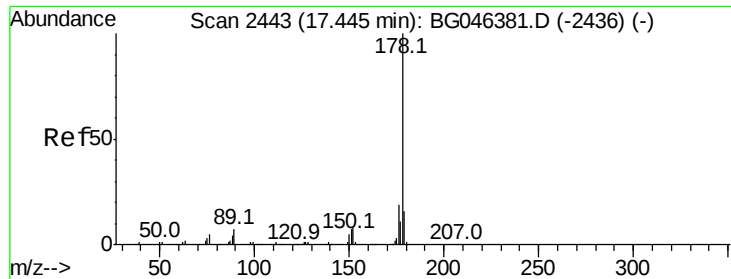
#14
Phenanthrene
 Concen: 21.564 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Tgt Ion:178 Resp: 638438
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.8 19.2
 176 19.7 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

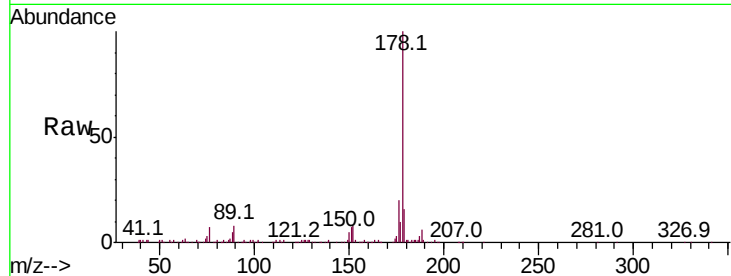




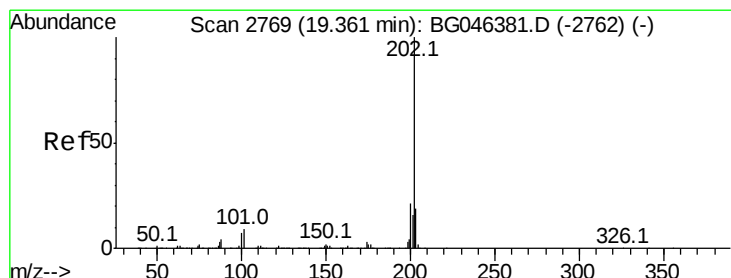
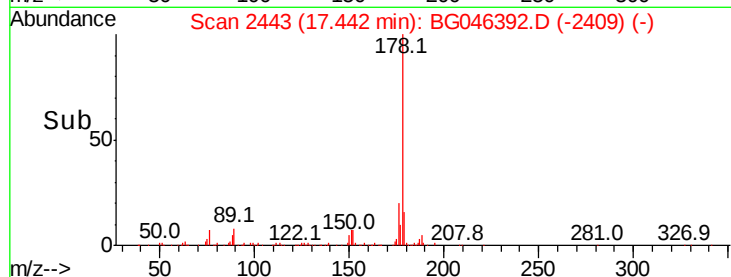
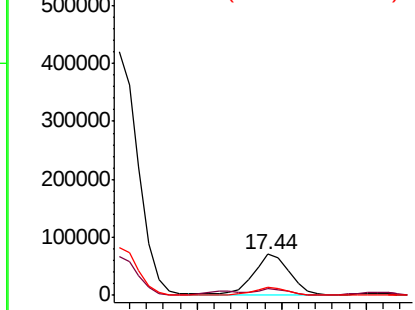
#16
 Anthracene
 Concen: 3.560 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Instrument :
 BNA_G
 ClientSampleId :
 BFMP4

Tot Ion:178 Resp: 106347
 Ion Ratio Lower Upper
 178 100
 179 16.1 13.2 19.8
 176 19.8 15.2 22.8

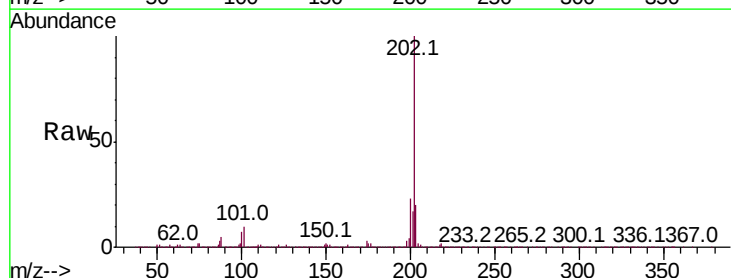


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

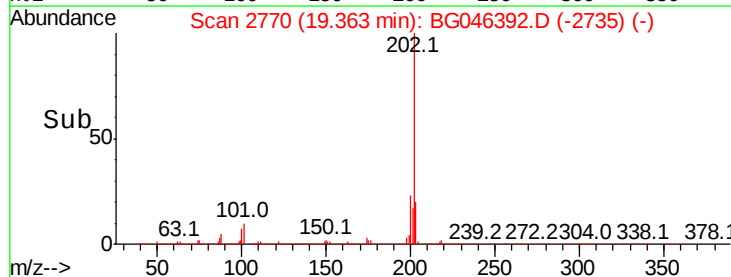
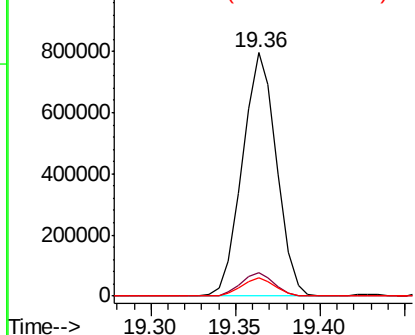


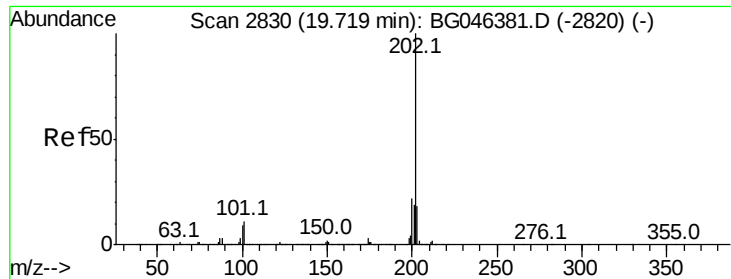
#17
 Fluoranthene
 Concen: 33.807 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Tgt Ion:202 Resp: 1116083
 Ion Ratio Lower Upper
 202 100
 101 9.9 7.8 11.6
 100 7.5 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

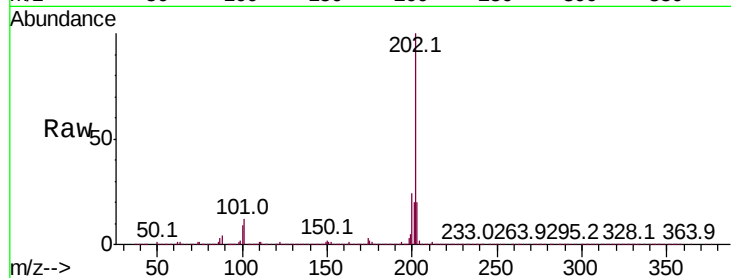




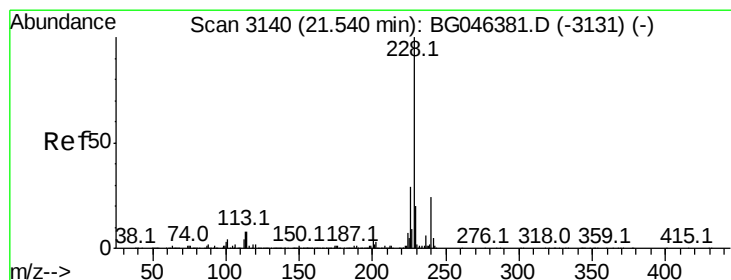
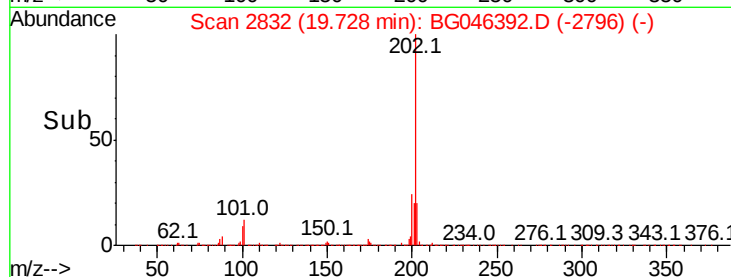
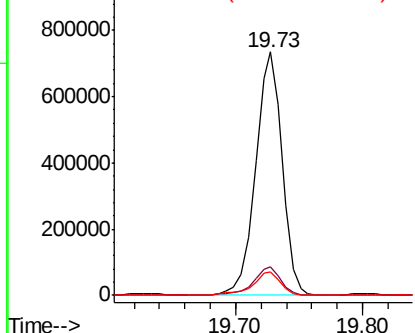
#20
Pvrene
Concen: 31.071 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Instrument :
BNA_G
ClientSampleId :
BFMP4

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.9	13.3
100	9.4	7.9	11.9

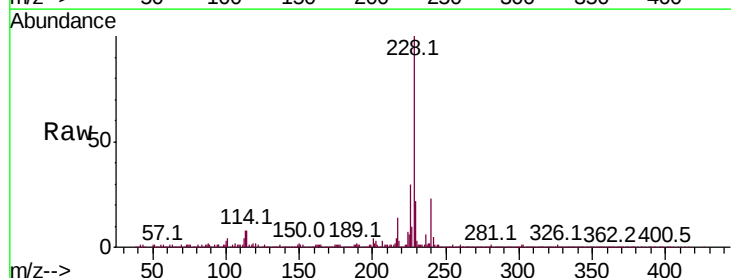


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

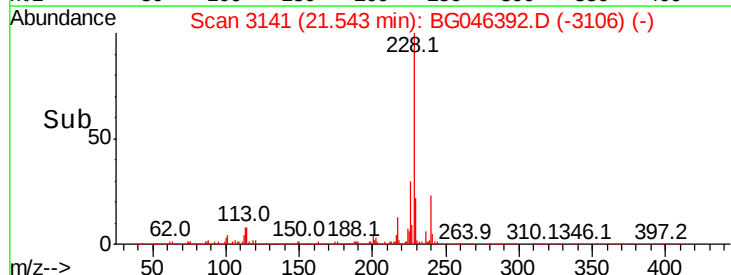
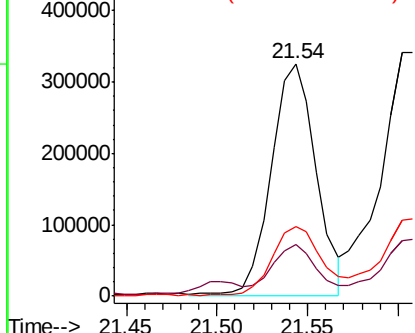


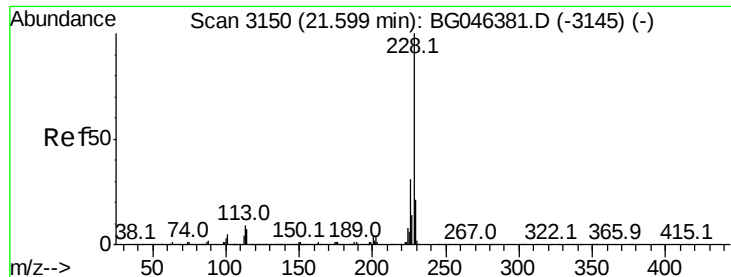
#21
Benzo(a)anthracene
Concen: 16.451 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	16.6	25.0
226	30.1	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: 19.213 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

Instrument :

BNA_G

ClientSampleId :

BFMP4

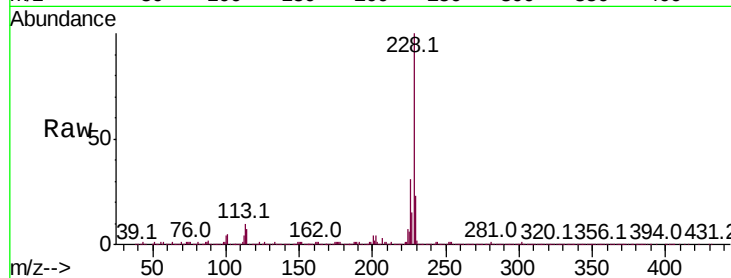
Tot Ion:228 Resp: 631722

Ion Ratio Lower Upper

228 100

226 31.2 25.5 38.3

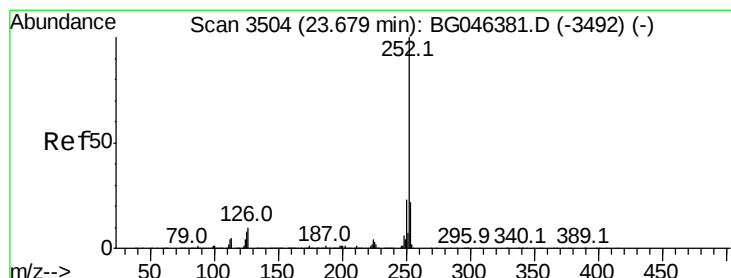
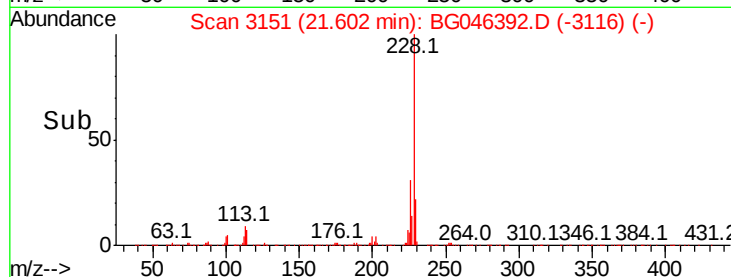
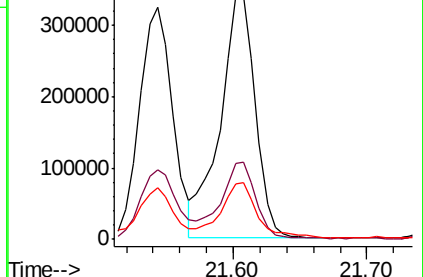
229 22.8 17.0 25.4



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: 23.164 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. 0.01 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

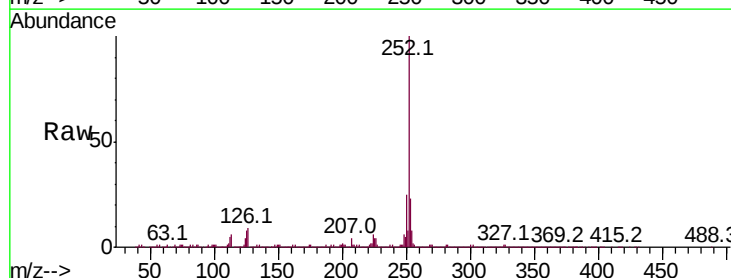
Tgt Ion:252 Resp: 853570

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

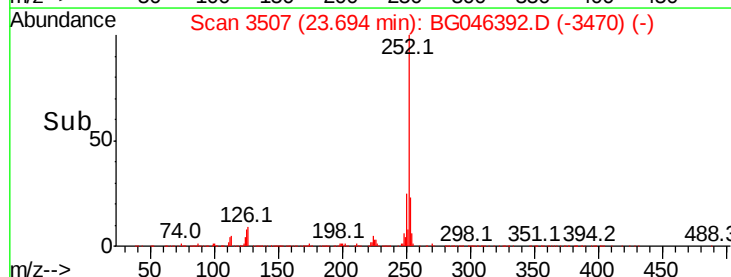
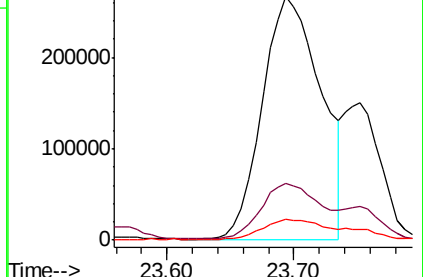
125 8.5 6.4 9.6

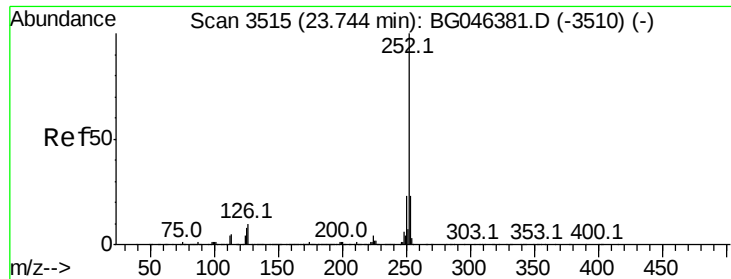


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

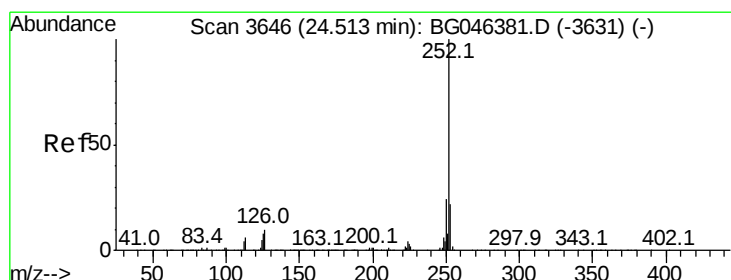
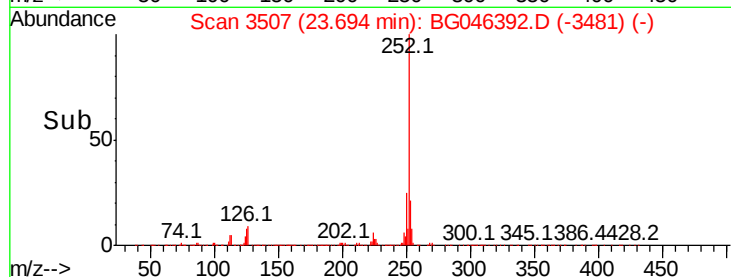
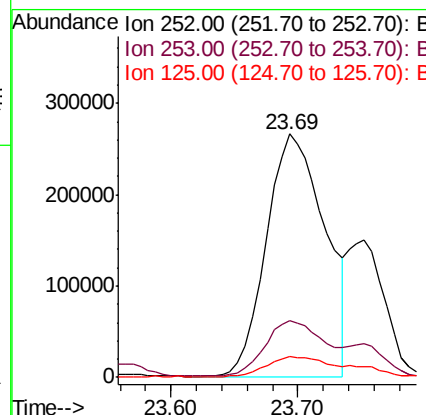
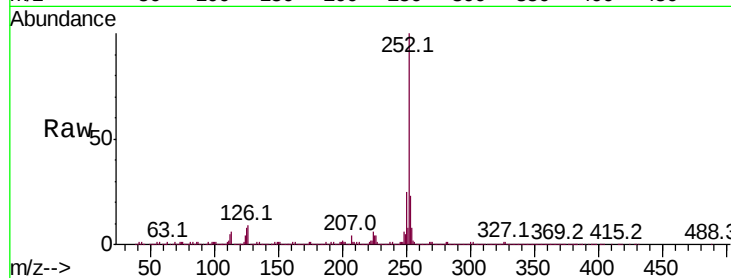




#25
Benzo(k)fluoranthene
Concen: 23.351 ng/ul
RT: 23.69 min Scan# 3507
Delta R.T. -0.05 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

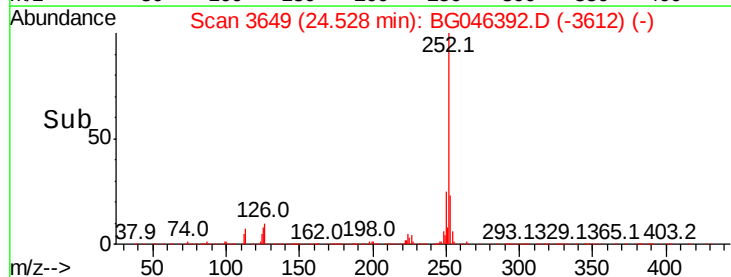
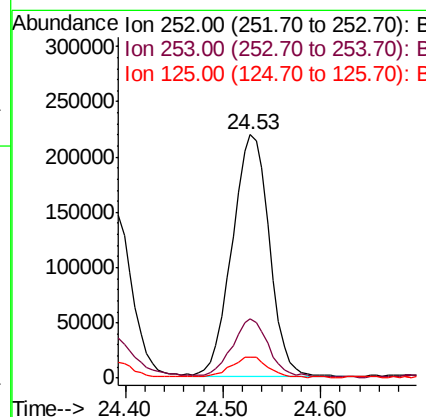
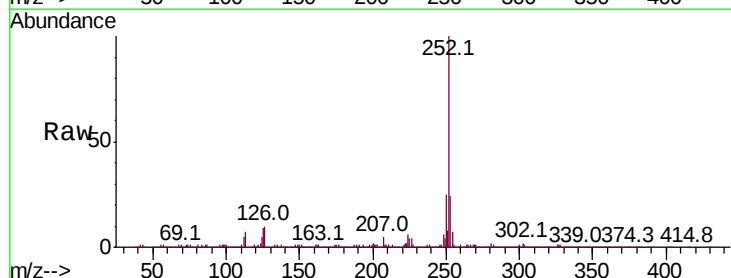
Instrument :
BNA_G
ClientSampleId :
BFMP4

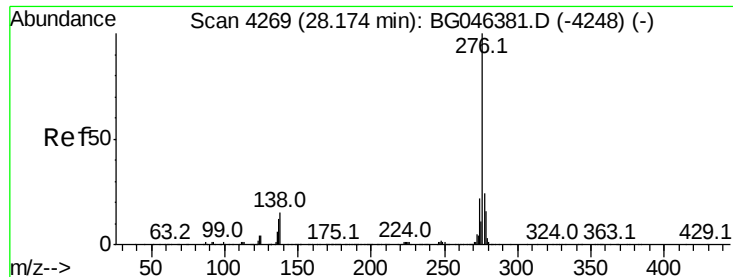
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	8.5	6.2	9.2



#27
Benzo(a)pyrene
Concen: 17.024 ng/ul
RT: 24.53 min Scan# 3649
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	8.8	7.1	10.7



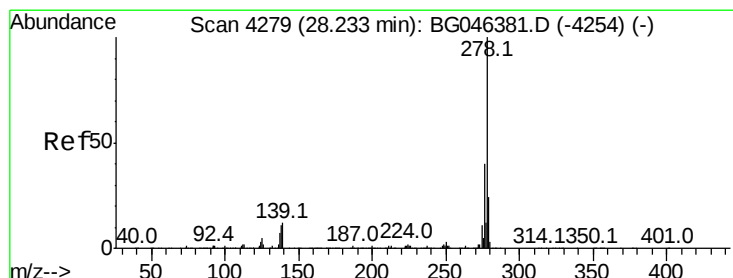
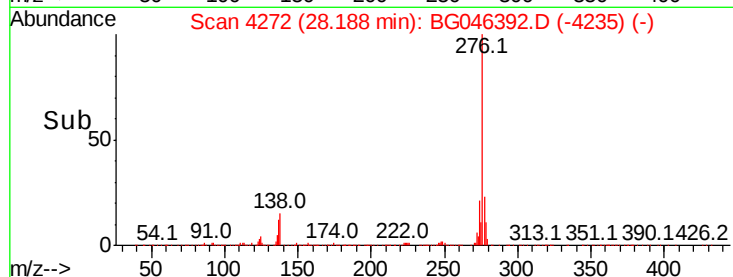
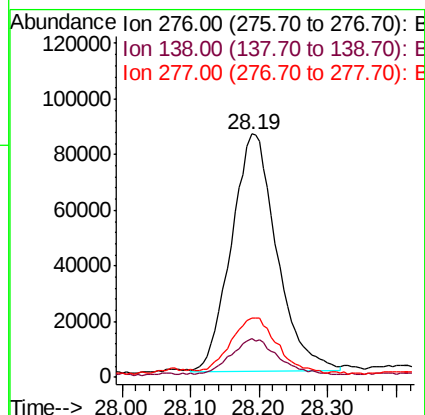
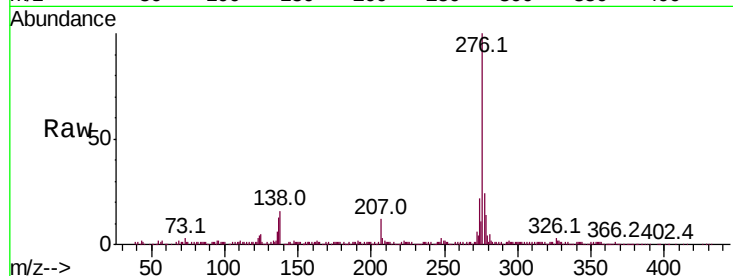


#28

Indeno(1,2,3-cd)pyrene
Concen: 9.267 ng/ul
RT: 28.19 min Scan# 4272
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Instrument :
BNA_G
ClientSampleId :
BFMP4

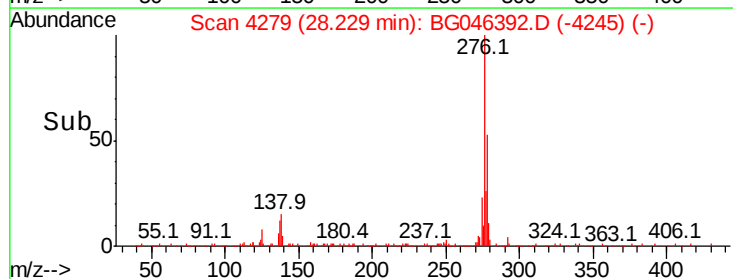
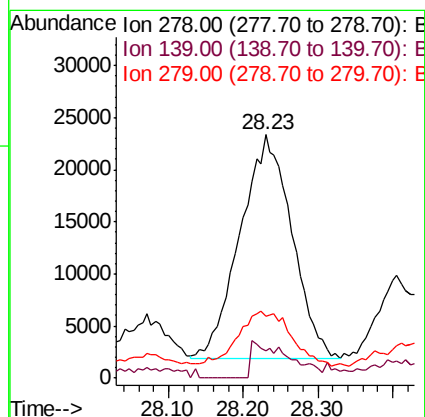
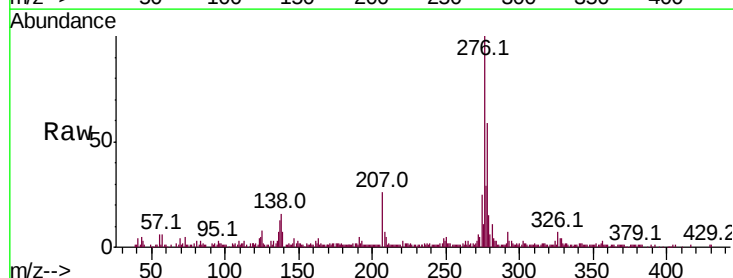
Tot Ion:276 Resp: 392551
Ion Ratio Lower Upper
276 100
138 16.1 13.2 19.8
277 24.5 19.9 29.9

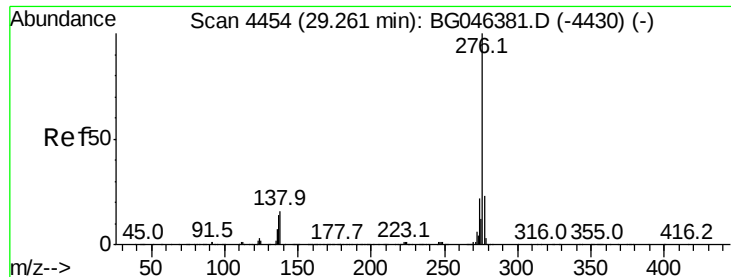


#29

Dibenzo(a,h)anthracene
Concen: 3.014 ng/ul
RT: 28.23 min Scan# 4279
Delta R.T. -0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:278 Resp: 103520
Ion Ratio Lower Upper
278 100
139 11.4 9.8 14.8
279 25.3 19.7 29.5





#30

Benzo(a,h,i)perylene

Concen: 4.820 ng/ul

RT: 29.29 min Scan# 4459

Delta R.T. 0.03 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

Instrument :

BNA_G

ClientSampleId :

BFMP4

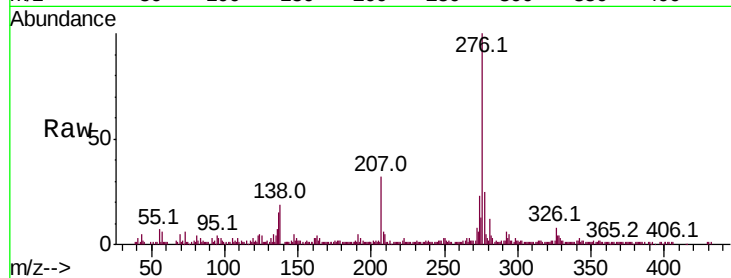
Tot Ion:276 Resp: 170858

Ion Ratio Lower Upper

276 100

138 18.8 12.9 19.3

277 25.4 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

