

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046333.D
 Acq On : 18 Aug 2020 18:31
 Operator : CG/JU
 Sample : L3636-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMK2

Quant Time: Aug 19 01:10:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

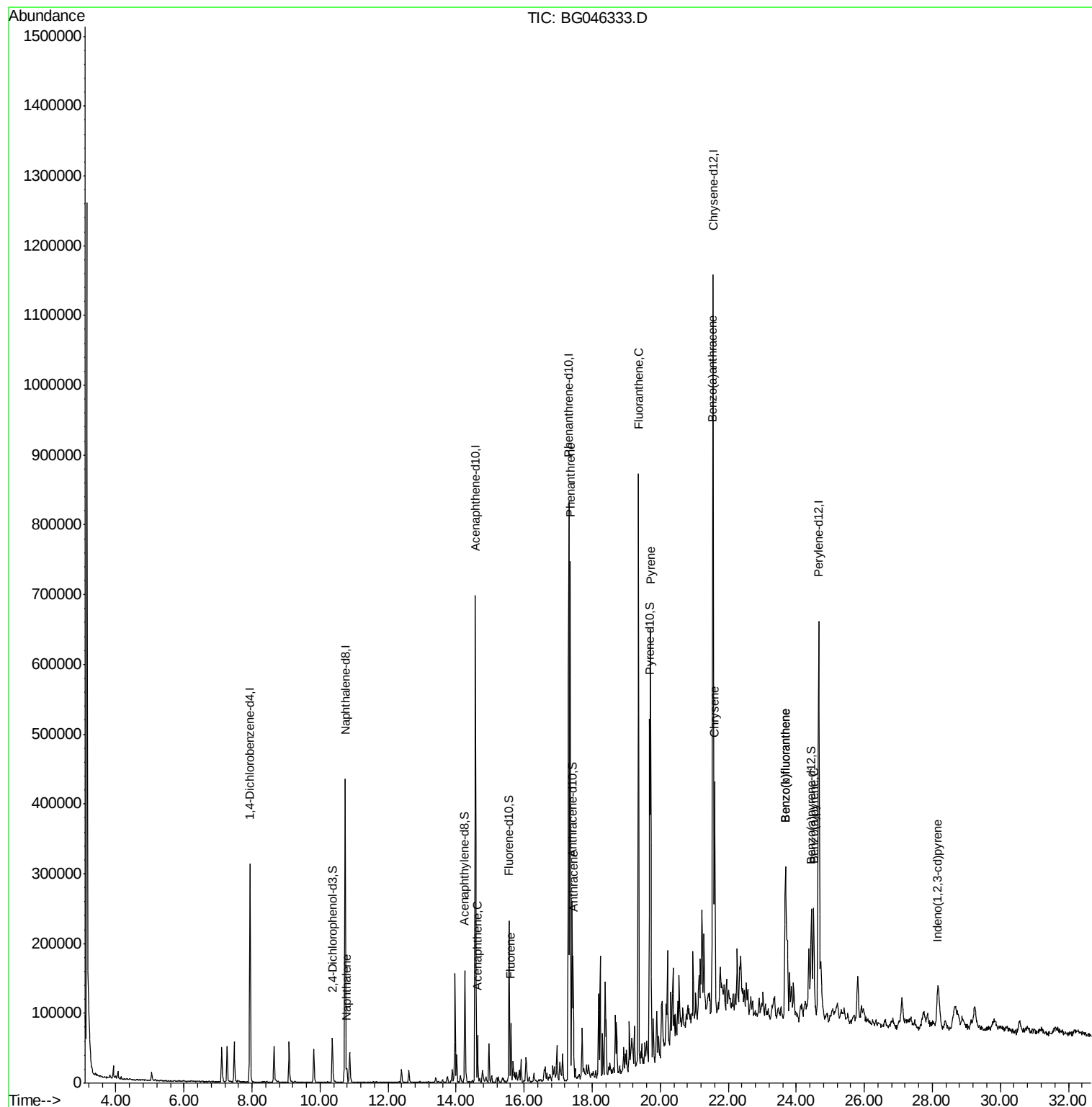
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	99676	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	398954	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	252242	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	563413	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	563148	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	599234	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	30242	4.40	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	124132	5.35	ng/ul	0.00
10) Fluorene-d10	15.55	176	102600	5.77	ng/ul	0.00
15) Anthracene-d10	17.41	188	145038	5.55	ng/ul	0.00
19) Pyrene-d10	19.69	212	164341	5.67	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.44	264	166910	5.10	ng/ul	-0.01
Target Compounds				Qvalue		
4) Naphthalene	10.78	128	21756	1.048	ng/ul	97
9) Acenaphthene	14.63	153	29935	1.776	ng/ul	98
11) Fluorene	15.61	166	39211	1.990	ng/ul	93
14) Phenanthrene	17.35	178	482278	15.560	ng/ul	100
16) Anthracene	17.44	178	117049	3.743	ng/ul	98
17) Fluoranthene	19.36	202	541987	15.682	ng/ul	98
20) Pyrene	19.72	202	426003	11.524	ng/ul	97
21) Benzo(a)anthracene	21.54	228	277356	7.570	ng/ul	99
22) Chrysene	21.60	228	231567	6.538	ng/ul	96
24) Benzo(b)fluoranthene	23.68	252	278695	7.033	ng/ul	97
25) Benzo(k)fluoranthene	23.68	252	278695	7.090	ng/ul	98
27) Benzo(a)pyrene	24.51	252	178274	4.900	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.16	276	101312	2.224	ng/ul	97

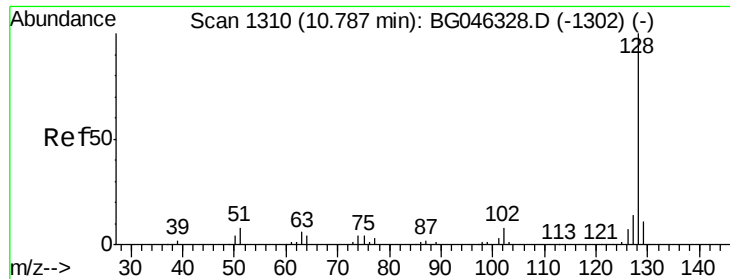
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 13:50:19 2020
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.048 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

Instrument :

BNA_G

ClientSampleId :

BFMK2

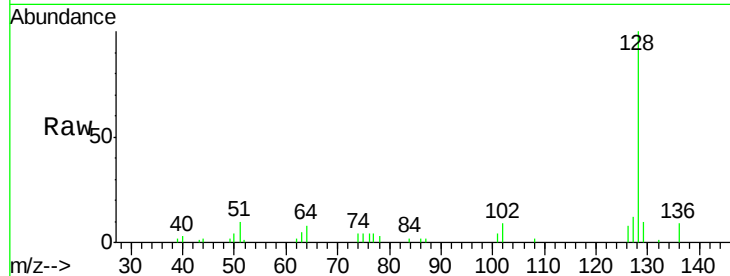
Tot Ion:128 Resp: 21756

Ion Ratio Lower Upper

128 100

129 10.2 9.0 13.6

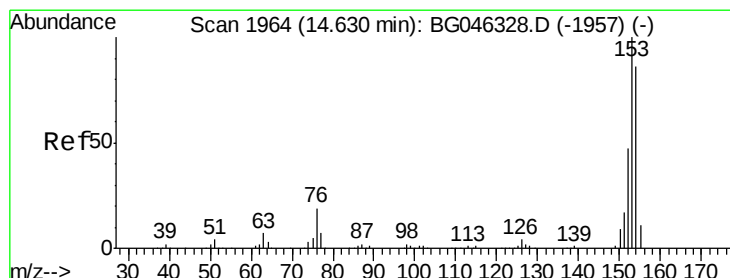
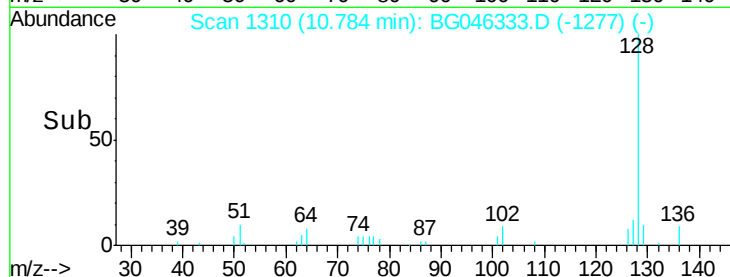
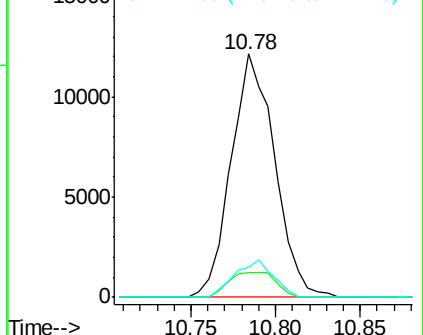
127 12.4 10.9 16.3



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



#9

Acenaphthene

Concen: 1.776 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

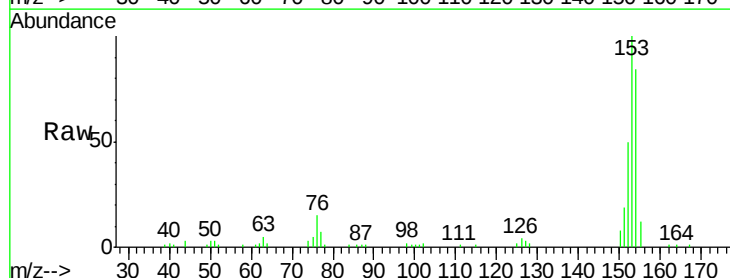
Tgt Ion:153 Resp: 29935

Ion Ratio Lower Upper

153 100

152 50.0 37.2 55.8

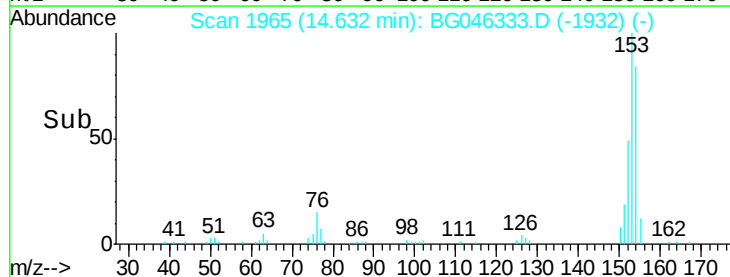
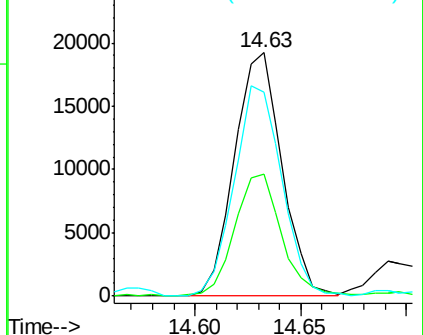
154 84.0 67.8 101.6

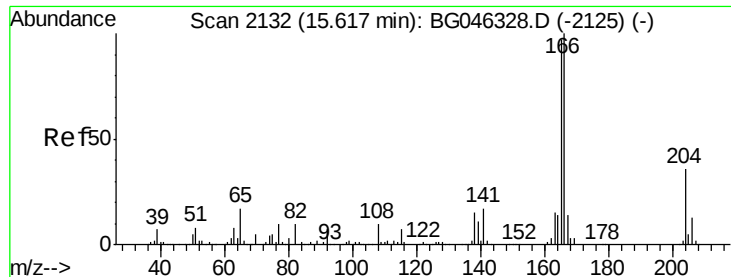


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.990 ng/ul

RT: 15.61 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

Instrument :

BNA_G

ClientSampleId :

BFMK2

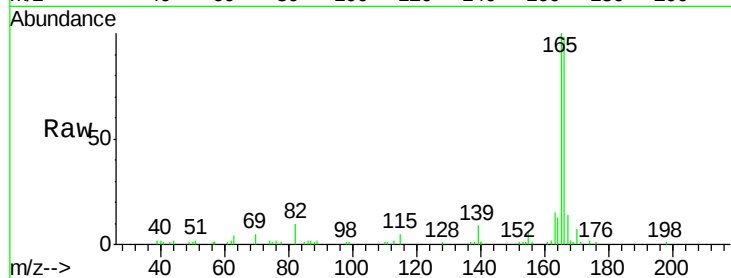
Tot Ion:166 Resp: 39211

Ion Ratio Lower Upper

166 100

165 102.1 75.9 113.9

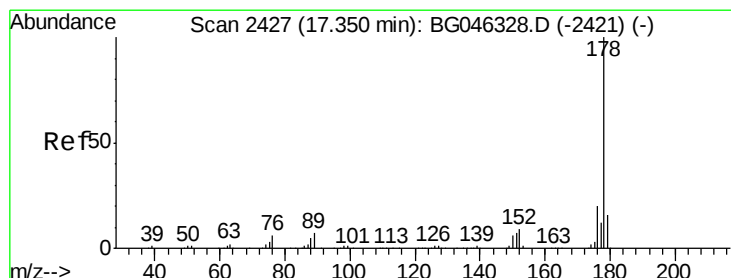
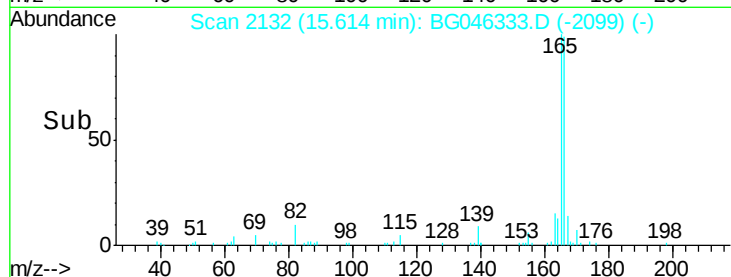
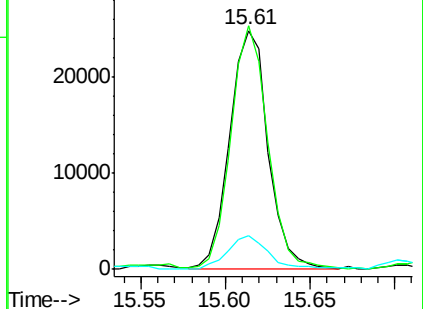
167 14.4 10.7 16.1



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: 15.560 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

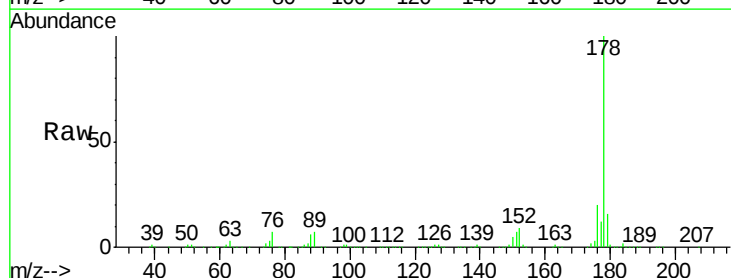
Tgt Ion:178 Resp: 482278

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

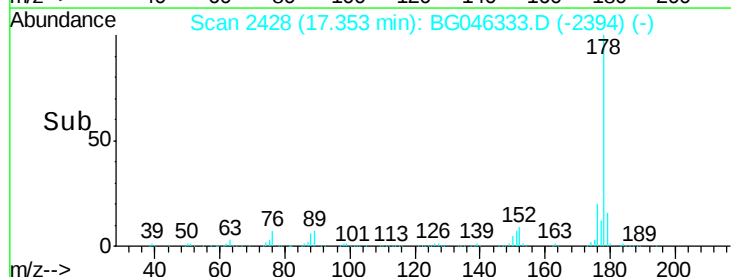
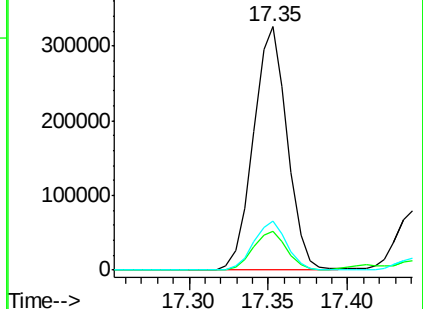
176 20.0 15.8 23.8

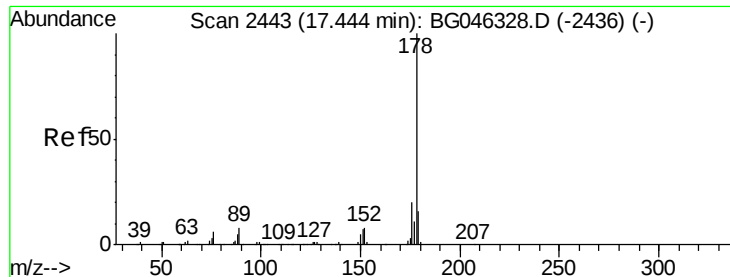


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

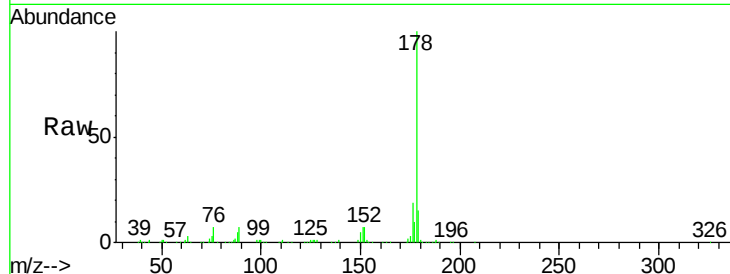




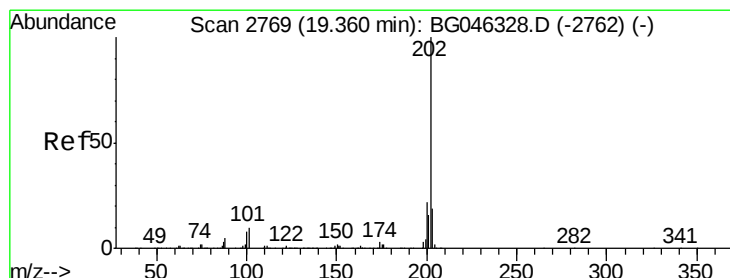
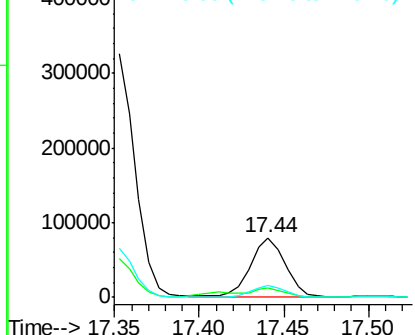
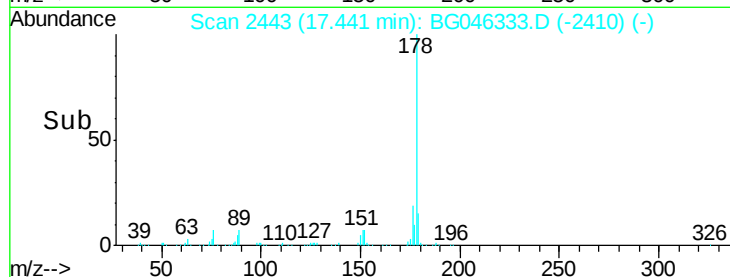
#16
 Anthracene
 Concen: 3.743 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046333.D
 Acq: 18 Aug 2020 18:31

Instrument :
 BNA_G
 ClientSampleId :
 BFMK2

Tot Ion:178 Resp: 117049
 Ion Ratio Lower Upper
 178 100
 179 15.2 13.2 19.8
 176 19.5 15.2 22.8

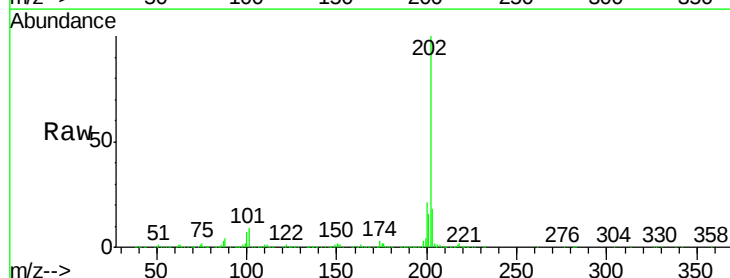


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

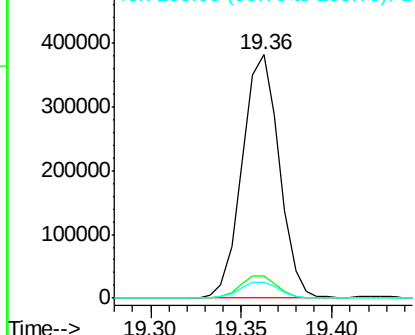
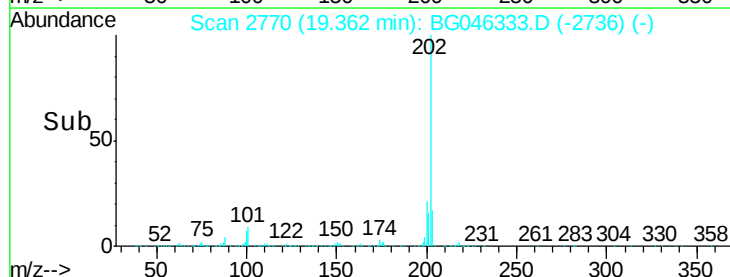


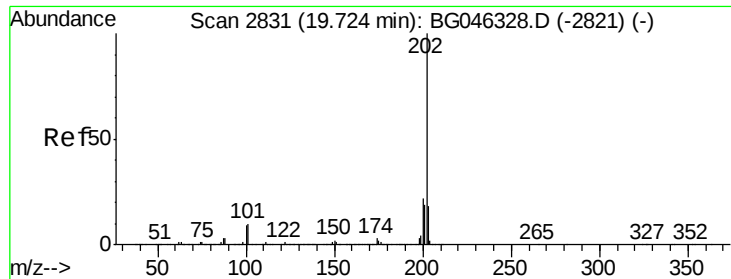
#17
 Fluoranthene
 Concen: 15.682 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046333.D
 Acq: 18 Aug 2020 18:31

Tgt Ion:202 Resp: 541987
 Ion Ratio Lower Upper
 202 100
 101 9.0 7.8 11.6
 100 6.7 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

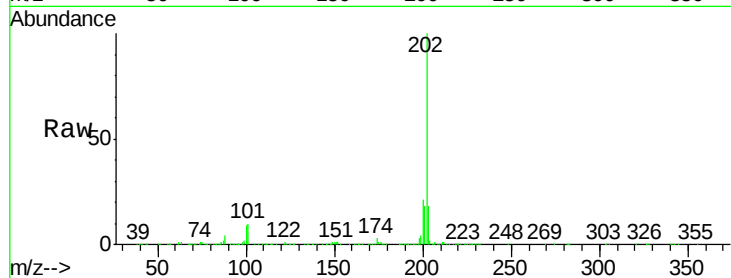




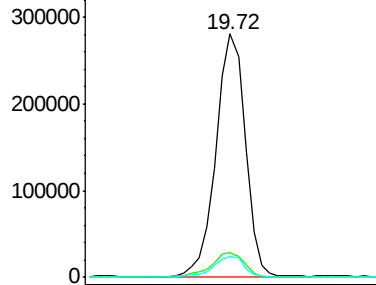
#20
Pvrene
Concen: 11.524 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046333.D
Acq: 18 Aug 2020 18:31

Instrument :
BNA_G
ClientSampleId :
BFMK2

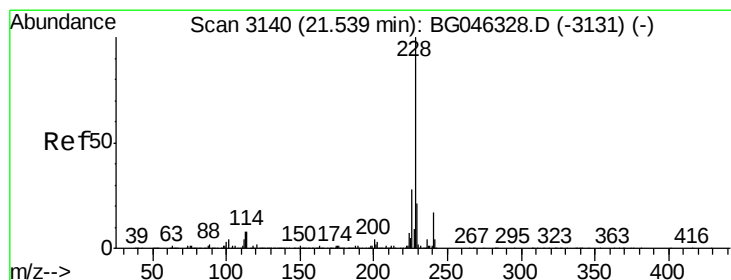
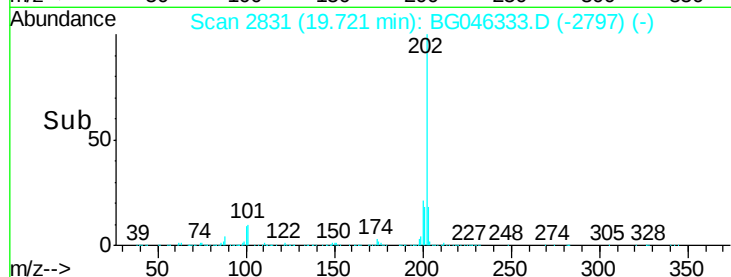
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.9	13.3
100	8.8	7.9	11.9



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): B

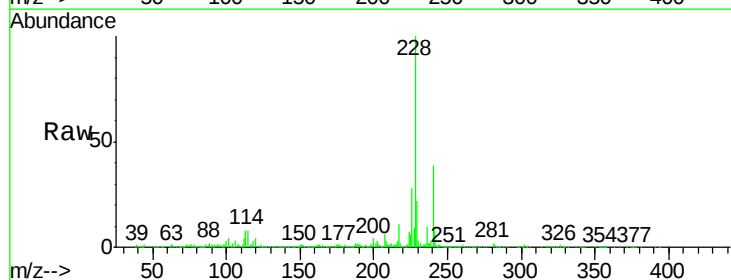


Time-->

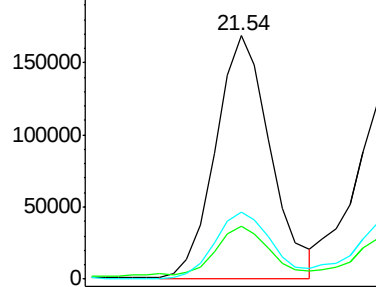


#21
Benzo(a)anthracene
Concen: 7.570 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046333.D
Acq: 18 Aug 2020 18:31

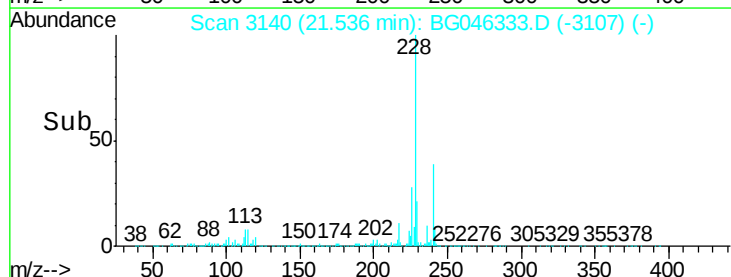
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	25.0
226	27.7	22.6	33.8

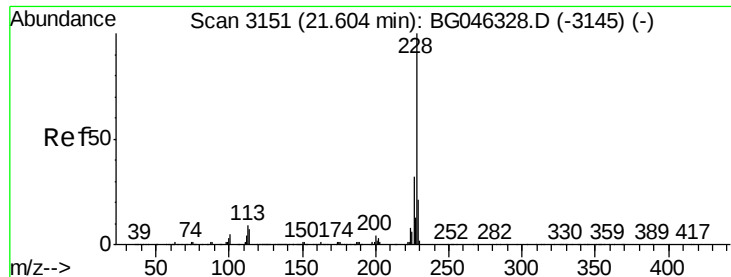


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->





#22

Chrysene

Concen: 6.538 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

Instrument :

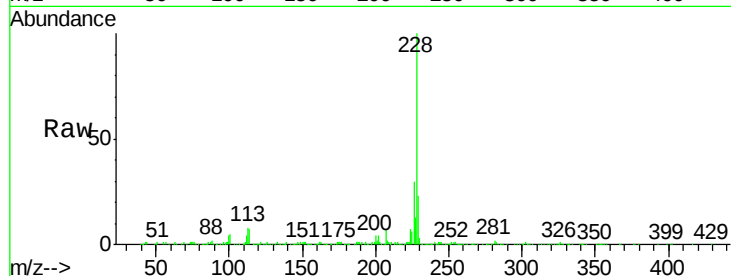
BNA_G

ClientSampleId :

BFMK2

Tot Ion:228 Resp: 231567

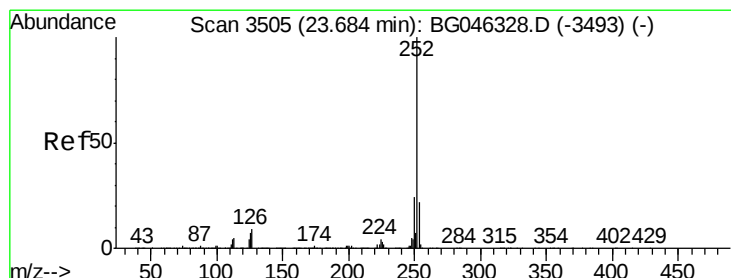
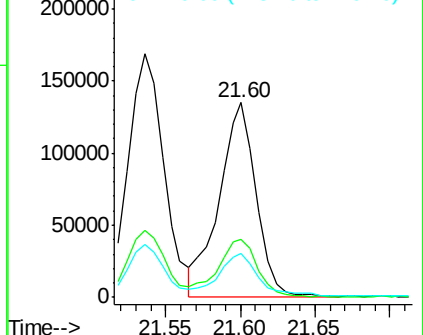
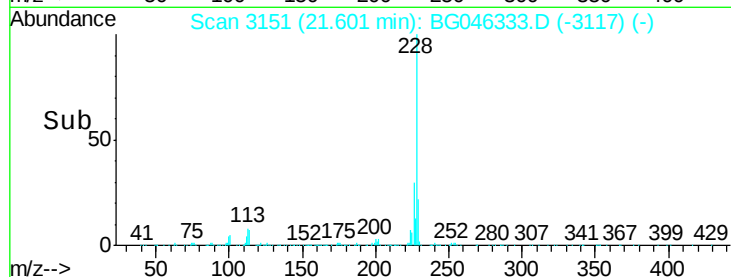
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.5	38.3
229	22.8	17.0	25.4



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: 7.033 ng/ul

RT: 23.68 min Scan# 3505

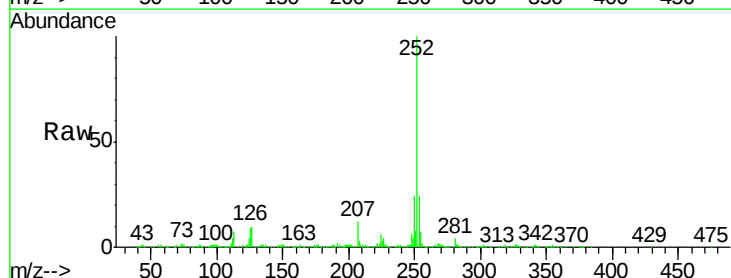
Delta R.T. -0.00 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

Tgt Ion:252 Resp: 278695

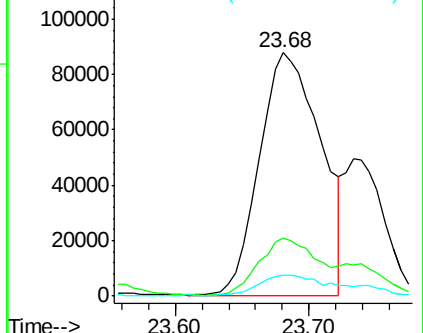
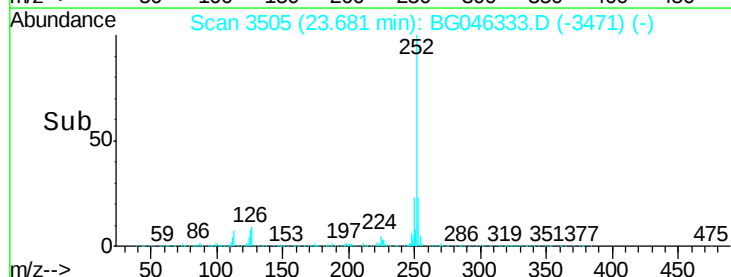
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	8.8	6.4	9.6

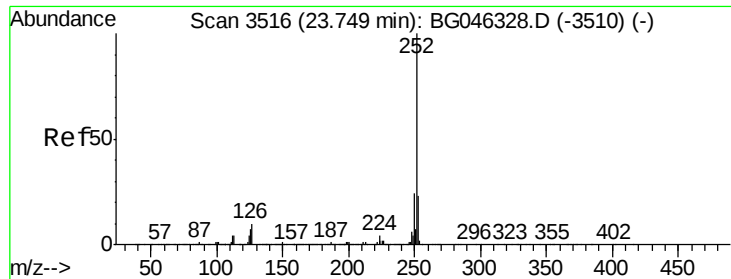


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 7.090 ng/u1

RT: 23.68 min Scan# 3505

Delta R.T. -0.07 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

Instrument :

BNA_G

ClientSampleId :

BFMK2

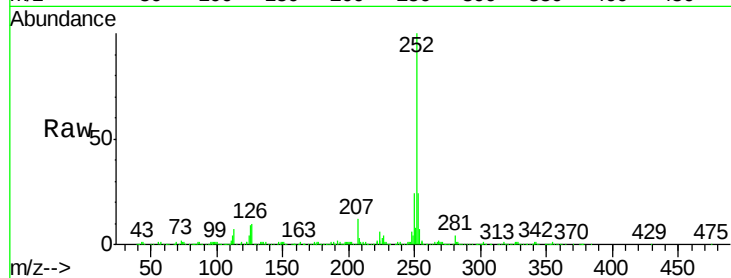
Tot Ion:252 Resp: 278695

Ion Ratio Lower Upper

252 100

253 23.9 18.5 27.7

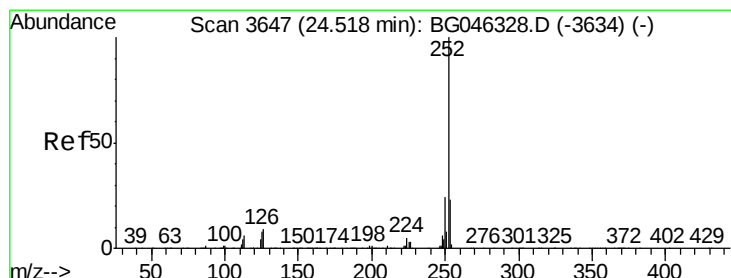
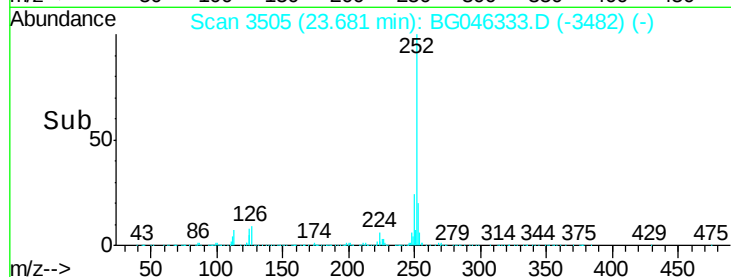
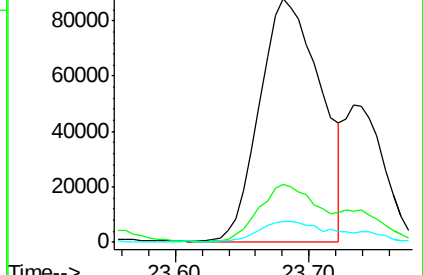
125 8.8 6.2 9.2



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: 4.900 ng/u1

RT: 24.51 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

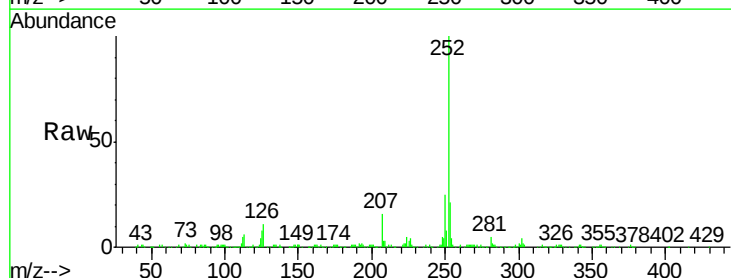
Tgt Ion:252 Resp: 178274

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

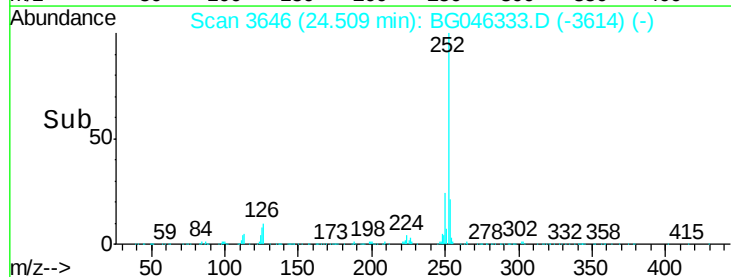
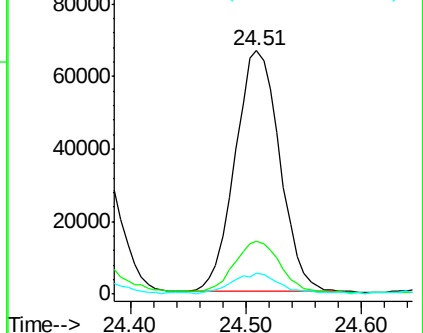
125 8.4 7.1 10.7

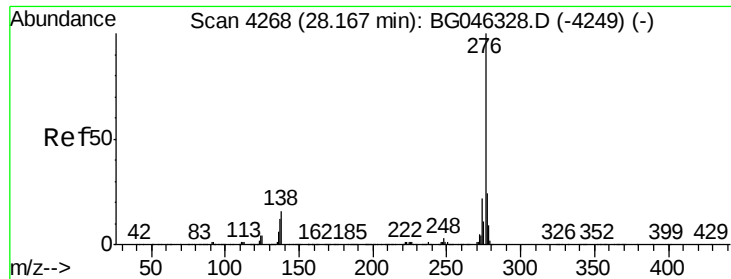


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.224 ng/ul

RT: 28.16 min Scan# 4267

Delta R.T. -0.01 min

Lab File: BG046333.D

Acq: 18 Aug 2020 18:31

Instrument :

BNA_G

ClientSampleId :

BFMK2

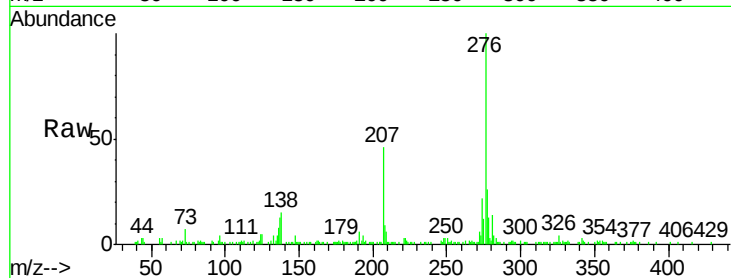
Tot Ion: 276 Resp: 101312

Ion Ratio Lower Upper

276 100

138 15.1 13.2 19.8

277 26.5 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

