

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111717\
 Data File : BG031110.D
 Acq On : 18 Nov 2017 8:34
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02066

Quant Time: Nov 20 00:56:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 01:20:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	38213	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	176022	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	130244	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	359179	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	392855	20.00	ng/ul	0.00
23) Perylene-d12	25.08	264	387889	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	64535	19.43	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	279690	20.65	ng/ul	0.00
10) Fluorene-d10	15.75	176	218150	20.05	ng/ul	0.00
15) Anthracene-d10	17.60	188	361627	20.11	ng/ul	0.00
19) Pyrene-d10	19.87	212	422629	23.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	379443	19.77	ng/ul	0.00

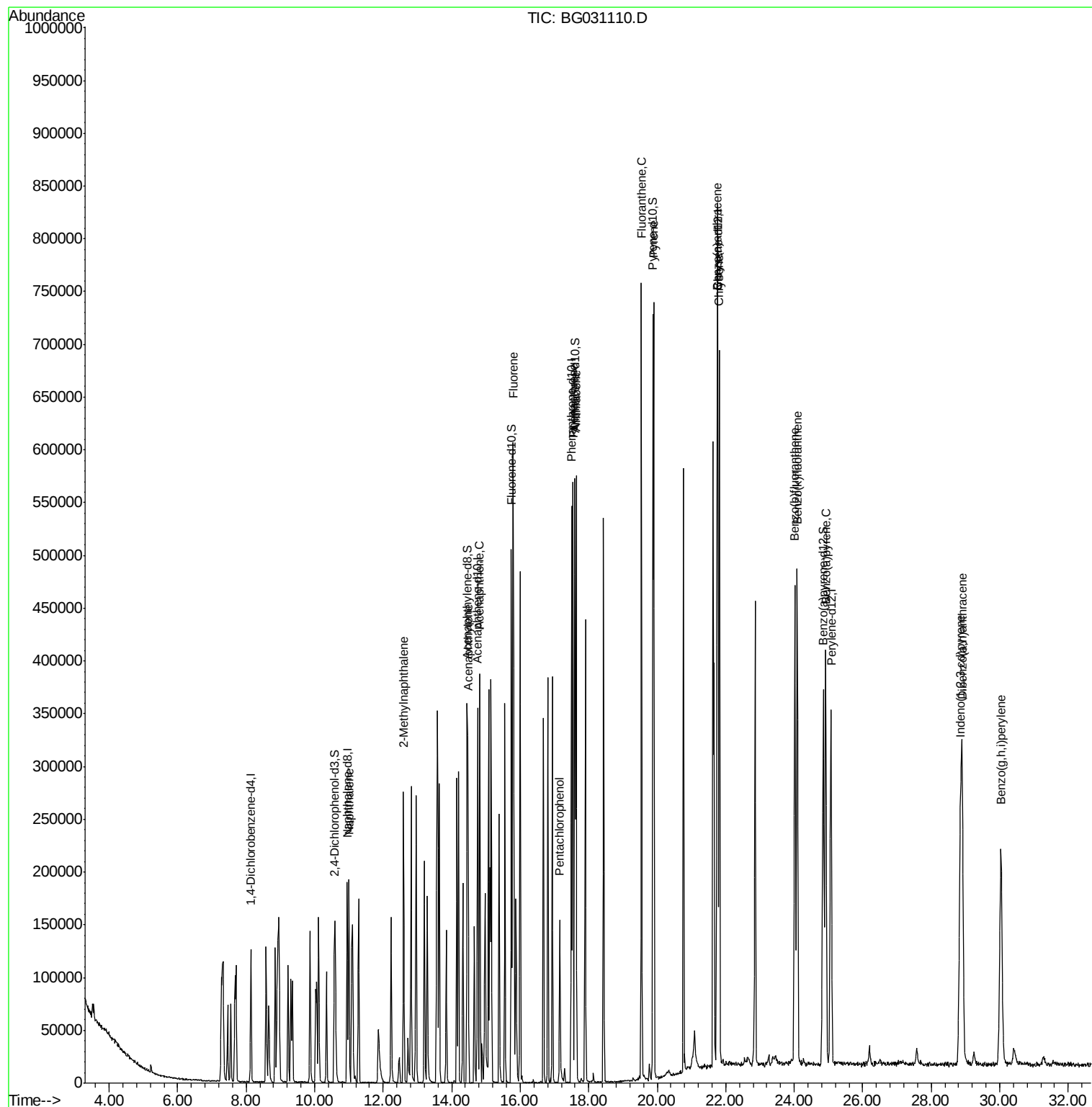
Target Compounds				Qvalue		
4) Naphthalene	11.00	128	171885	20.40	ng/ul	100
5) 2-Methylnaphthalene	12.60	142	137447	19.77	ng/ul	99
8) Acenaphthylene	14.48	152	249956	21.07	ng/ul	98
9) Acenaphthene	14.82	153	176892	20.67	ng/ul	99
11) Fluorene	15.80	166	215076	19.84	ng/ul	99
13) Pentachlorophenol	17.16	266	37406	17.85	ng/uL	95
14) Phenanthrene	17.54	178	380263	19.73	ng/ul	99
16) Anthracene	17.63	178	391570	20.01	ng/ul	98
17) Fluoranthene	19.54	202	494070	18.42	ng/ul#	89
20) Pyrene	19.90	202	487708	23.39	ng/ul#	87
21) Benzo(a)anthracene	21.75	228	501775	20.96	ng/ul	100
22) Chrysene	21.82	228	469351	20.62	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	482551	20.59	ng/ul#	95
25) Benzo(k)fluoranthene	24.09	252	464312	20.11	ng/ul#	95
27) Benzo(a)pyrene	24.92	252	459493	20.46	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	28.86	276	521756	20.38	ng/ul#	92
29) Dibenzo(a,h)anthracene	28.91	278	433725	20.46	ng/ul#	91
30) Benzo(g,h,i)perylene	30.04	276	429656	20.15	ng/ul#	89

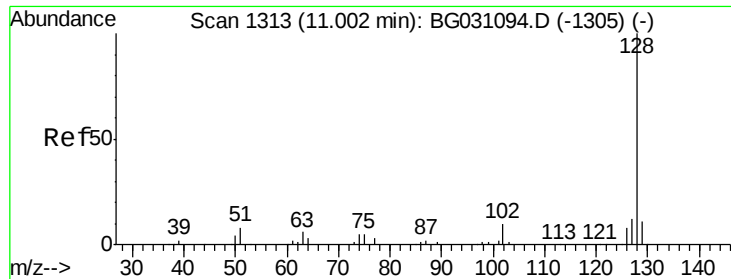
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111717\
Data File : BG031110.D
Acq On : 18 Nov 2017 8:34
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
Client Sample Id :
SSTD02066

Quant Time: Nov 20 00:56:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111617-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 18 01:20:34 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 20.40 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

Instrument :

BNA_G

ClientSampleId :

SSTD02066

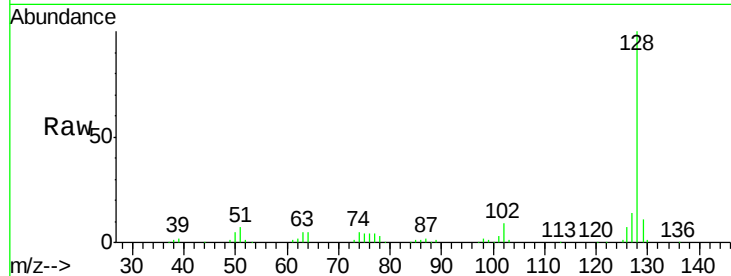
Tgt Ion:128 Resp: 171885

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

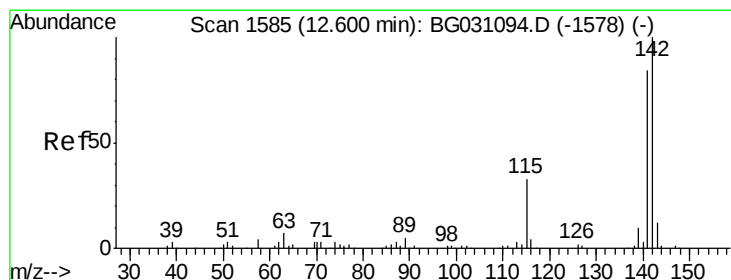
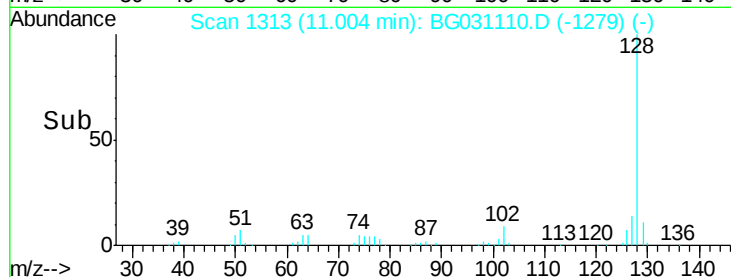
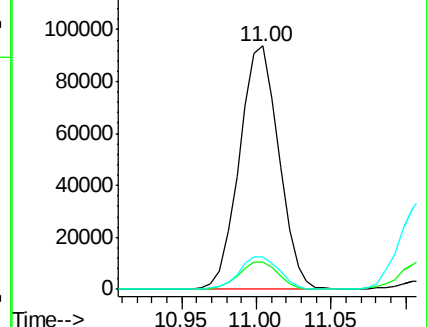
127 13.5 10.6 15.8



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: 19.77 ng/ul

RT: 12.60 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BG031110.D

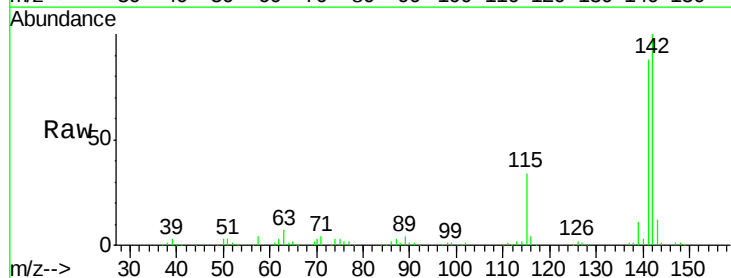
Acq: 18 Nov 2017 8:34

Tgt Ion:142 Resp: 137447

Ion Ratio Lower Upper

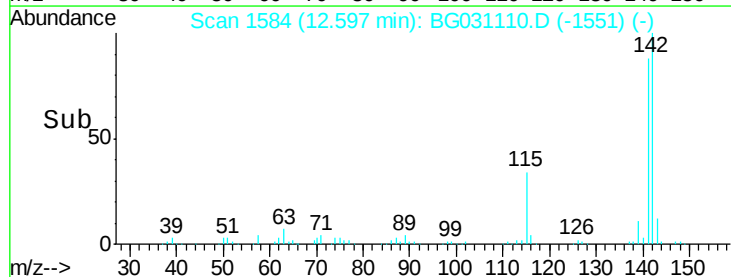
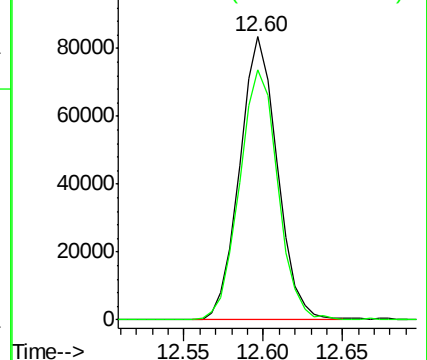
142 100

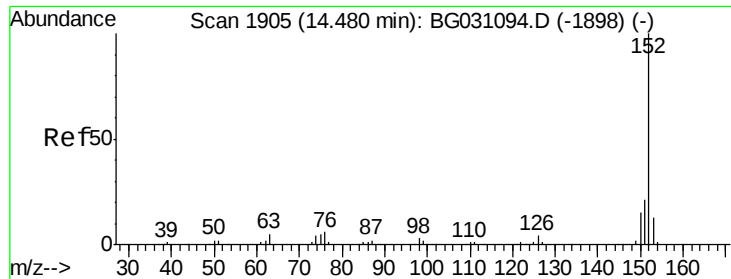
141 88.2 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.07 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

Instrument :

BNA_G

ClientSampleId :

SSTD02066

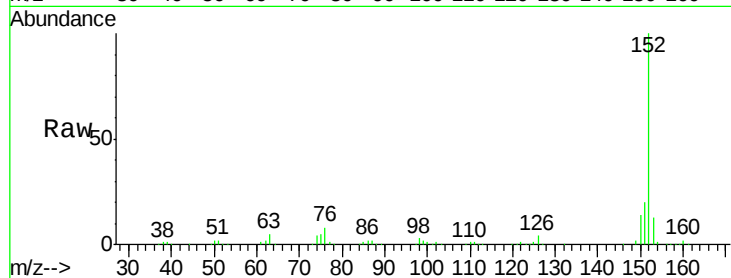
Tgt Ion:152 Resp: 249956

Ion Ratio Lower Upper

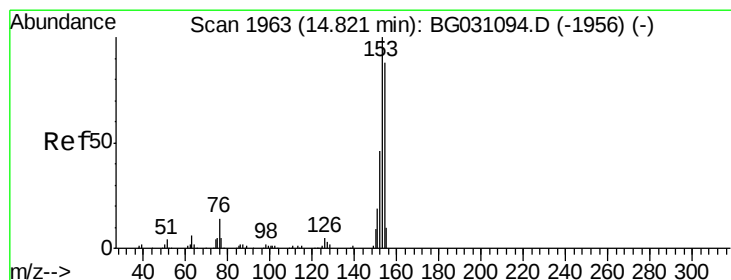
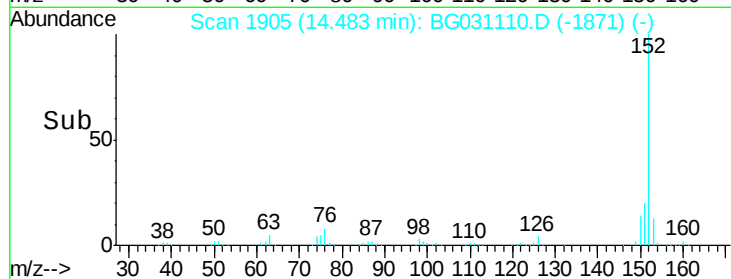
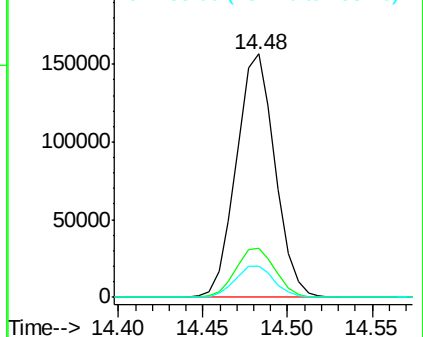
152 100

151 20.4 17.5 26.3

153 13.0 10.6 16.0



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: 20.67 ng/ul

RT: 14.82 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

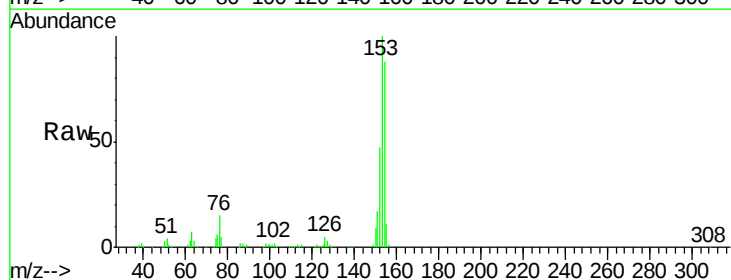
Tgt Ion:153 Resp: 176892

Ion Ratio Lower Upper

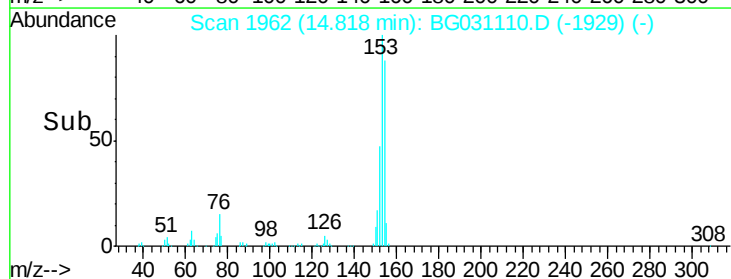
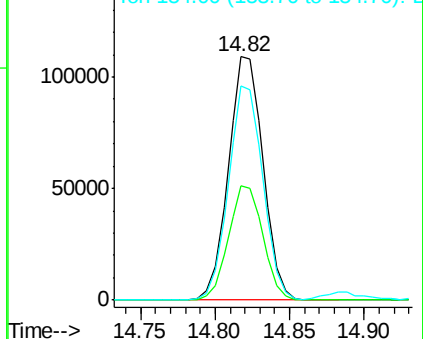
153 100

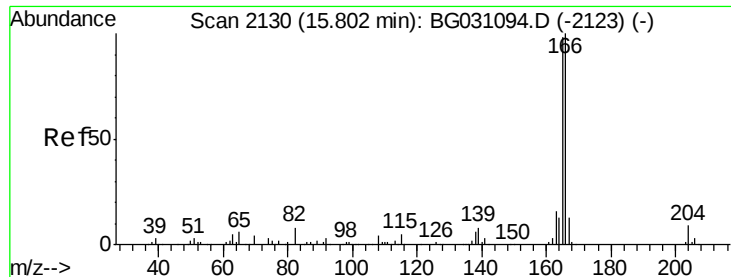
152 46.8 37.9 56.9

154 87.8 71.6 107.4



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

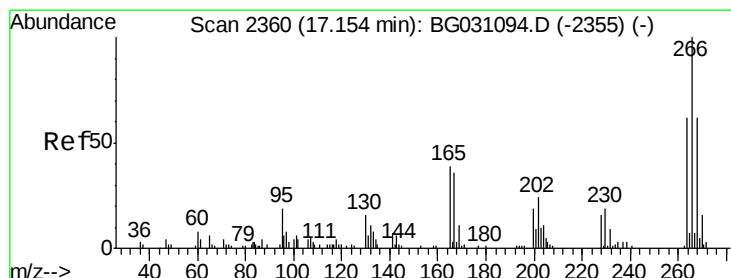
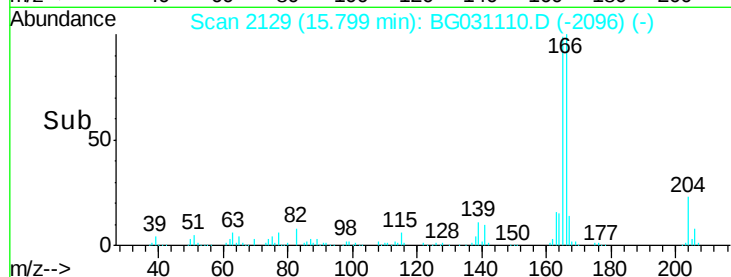
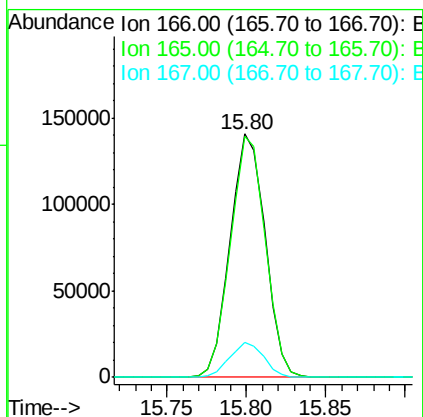
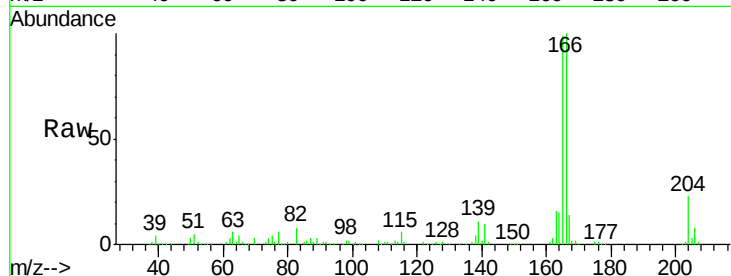




#11
 Fluorene
 Concen: 19.84 ng/uL
 RT: 15.80 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: BG031110.D
 Acq: 18 Nov 2017 8:34

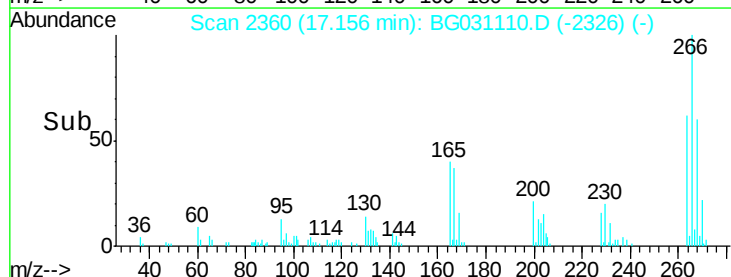
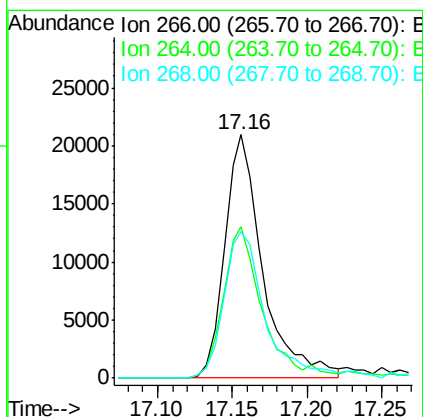
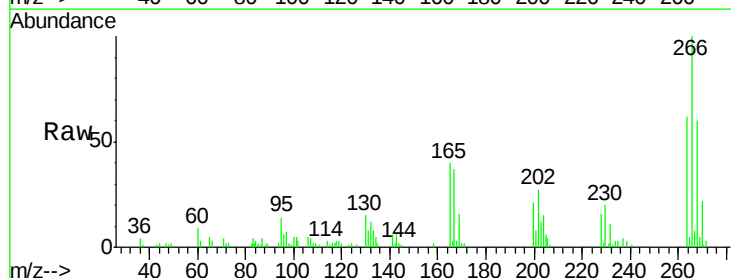
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02066

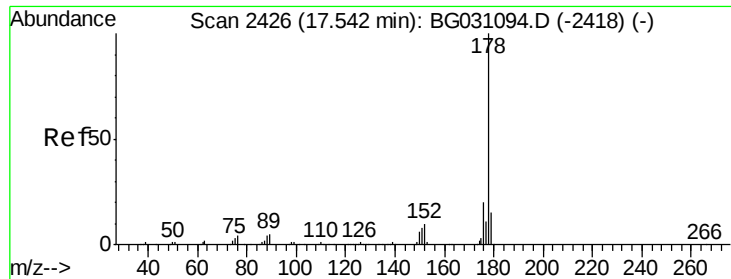
Tgt Ion:166 Resp: 215076
 Ion Ratio Lower Upper
 166 100
 165 98.8 80.0 120.0
 167 14.3 11.6 17.4



#13
 Pentachlorophenol
 Concen: 17.85 ng/uL
 RT: 17.16 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: BG031110.D
 Acq: 18 Nov 2017 8:34

Tgt Ion:266 Resp: 37406
 Ion Ratio Lower Upper
 266 100
 264 62.0 52.0 78.0
 268 59.9 51.2 76.8

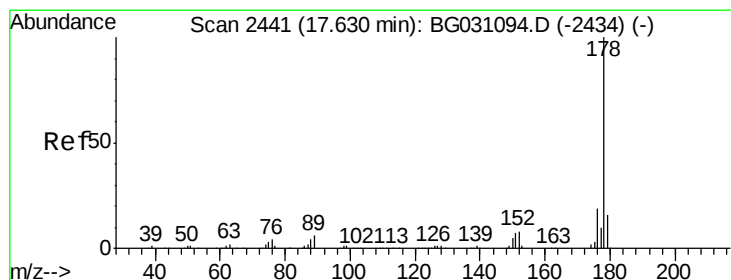
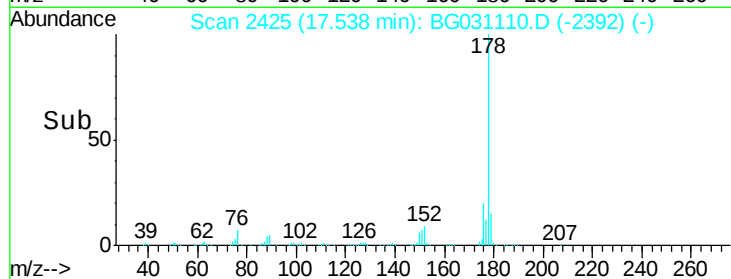
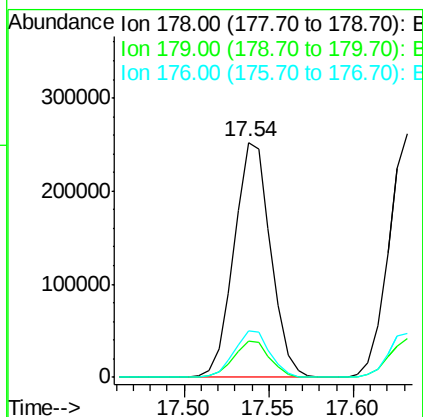
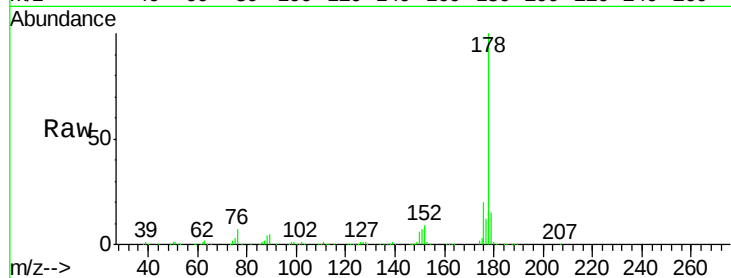




#14
Phenanthrene
Concen: 19.73 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG031110.D
Acq: 18 Nov 2017 8:34

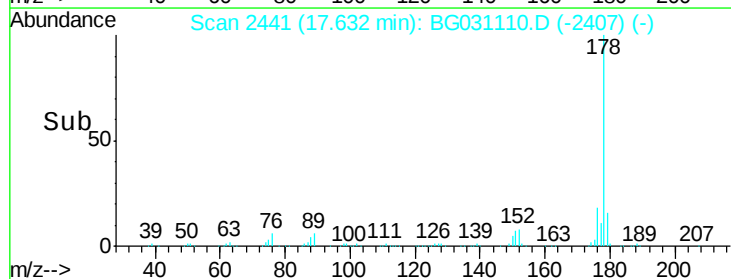
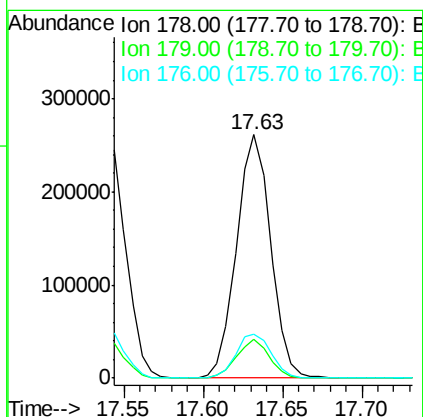
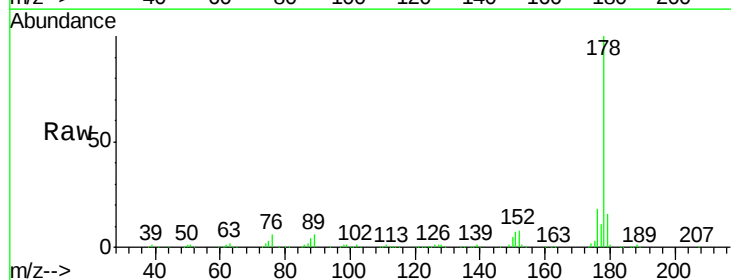
Instrument :
BNA_G
ClientSampleId :
SSTD02066

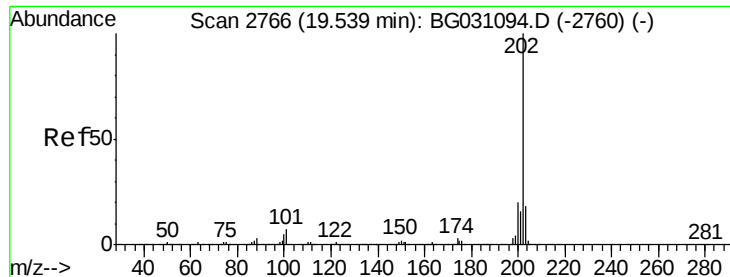
Tgt Ion:178 Resp: 380263
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.4
176 20.0 16.4 24.6



#16
Anthracene
Concen: 20.01 ng/ul
RT: 17.63 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BG031110.D
Acq: 18 Nov 2017 8:34

Tgt Ion:178 Resp: 391570
Ion Ratio Lower Upper
178 100
179 15.7 12.7 19.1
176 18.2 15.8 23.8

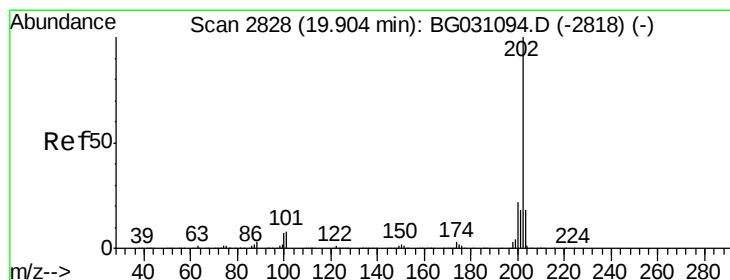
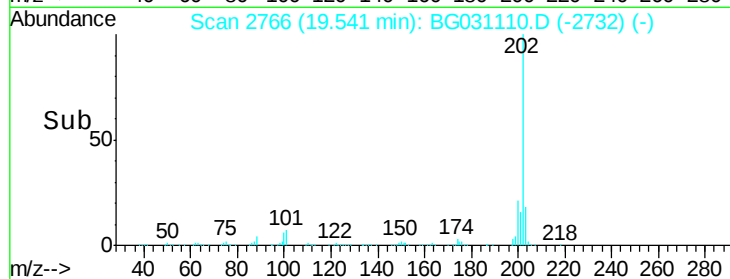
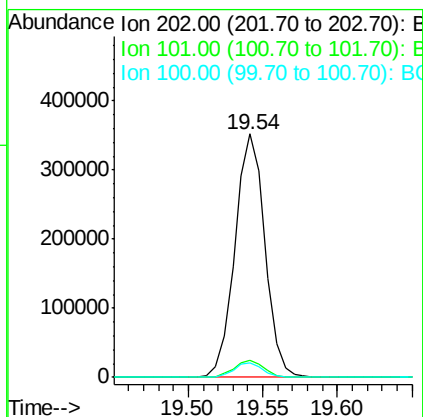
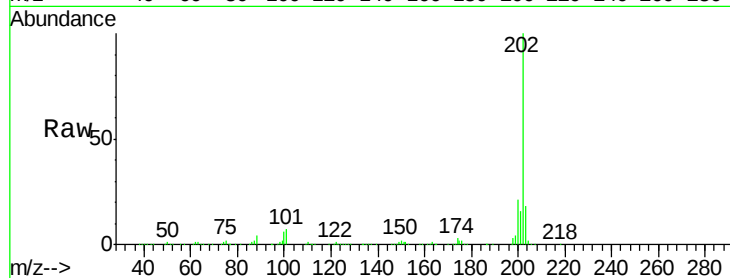




#17
Fluoranthene
 Concen: 18.42 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: BG031110.D
 Acq: 18 Nov 2017 8:34

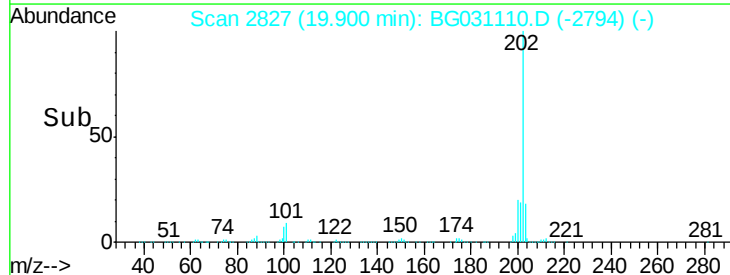
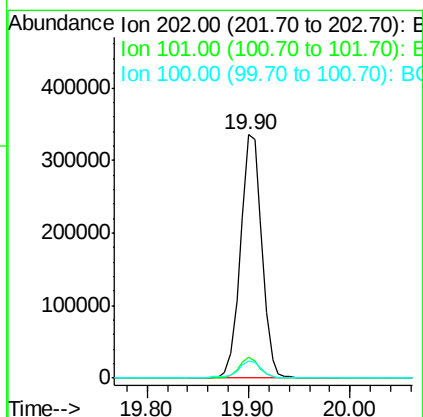
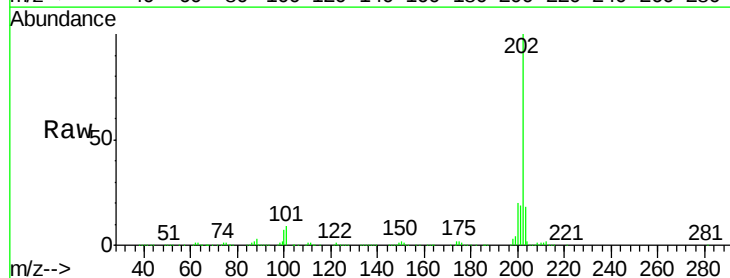
Instrument :
 BNA_G
 ClientSampleId :
 SST02066

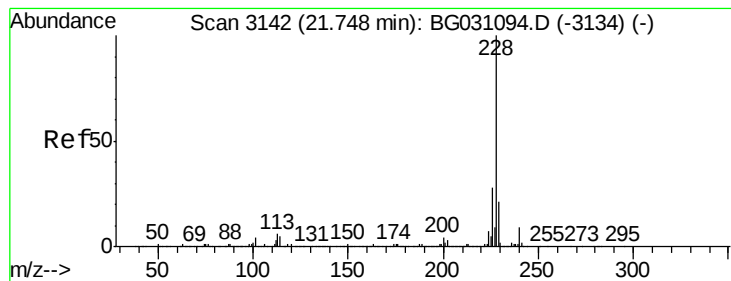
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	9.8	14.8#
100	6.1	7.5	11.3#



#20
Pyrene
 Concen: 23.39 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. -0.00 min
 Lab File: BG031110.D
 Acq: 18 Nov 2017 8:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	11.2	16.8#
100	7.0	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 20.96 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

Instrument :

BNA_G

ClientSampleId :

SSTD02066

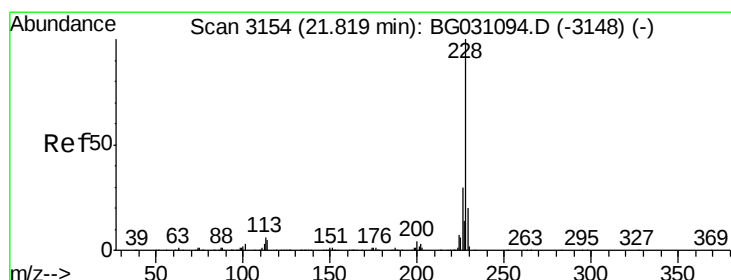
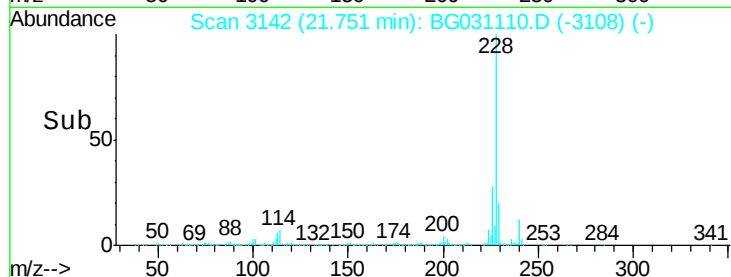
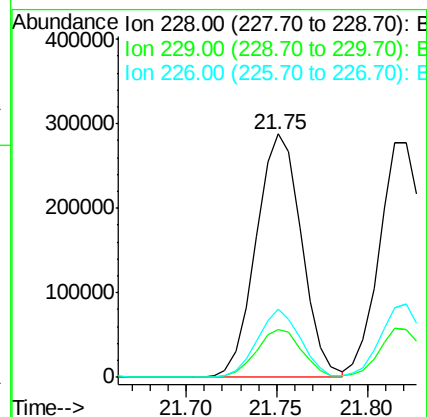
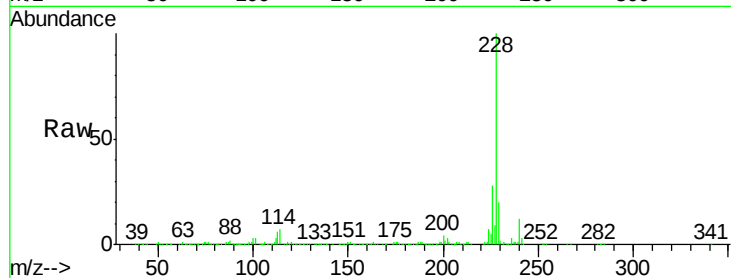
Tgt Ion:228 Resp: 501775

Ion Ratio Lower Upper

228 100

229 19.7 15.9 23.9

226 27.9 22.1 33.1



#22

Chrysene

Concen: 20.62 ng/ul

RT: 21.82 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

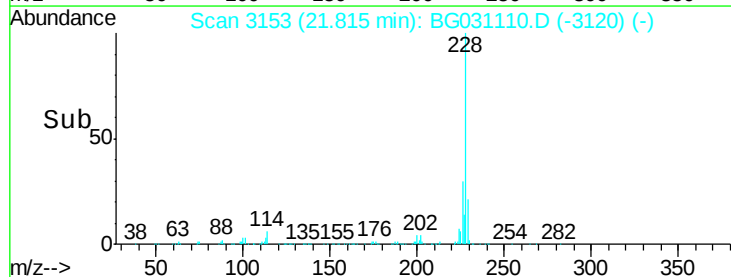
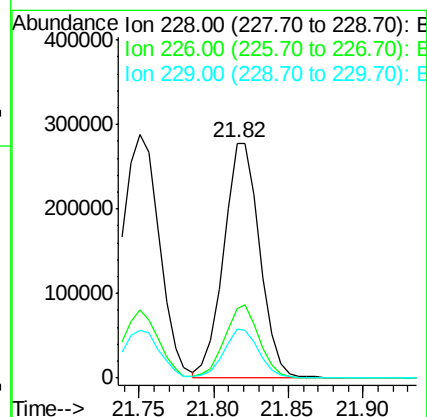
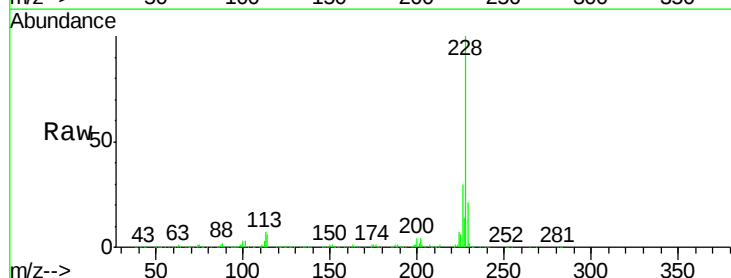
Tgt Ion:228 Resp: 469351

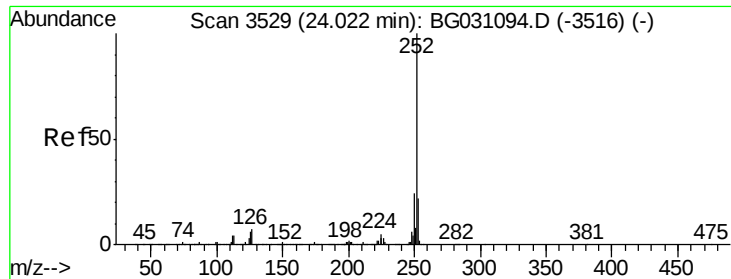
Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

229 20.9 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 20.59 ng/ul

RT: 24.02 min Scan# 3528

Delta R.T. -0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

Instrument :

BNA_G

ClientSampleId :

SSTD02066

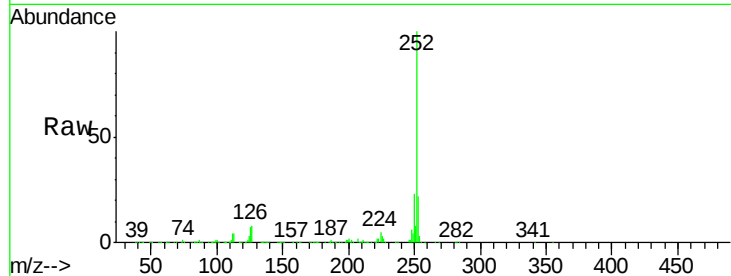
Tgt Ion:252 Resp: 482551

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

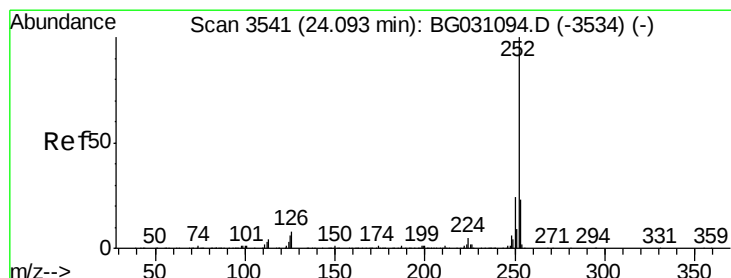
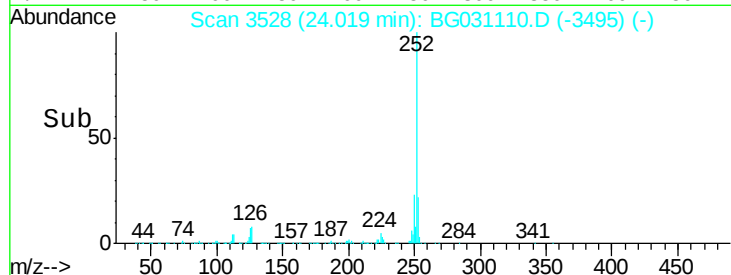
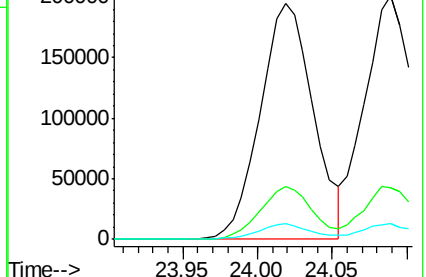
125 6.6 9.4 14.0#



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: 20.11 ng/ul

RT: 24.09 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

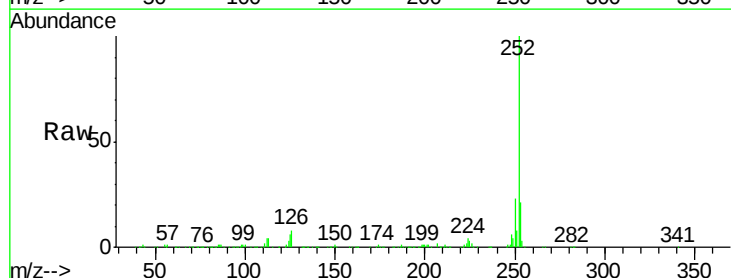
Tgt Ion:252 Resp: 464312

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

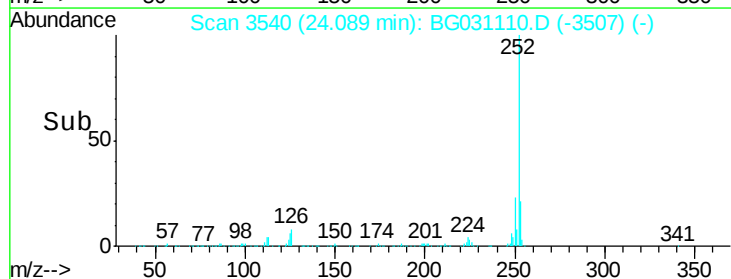
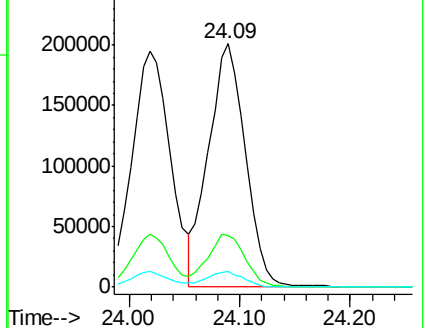
125 6.3 8.8 13.2#

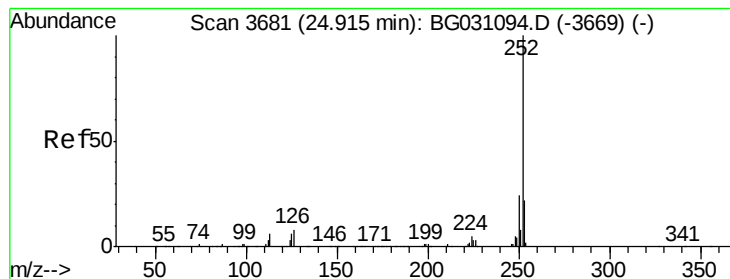


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 20.46 ng/ul

RT: 24.92 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

Instrument :

BNA_G

ClientSampleId :

SSTD02066

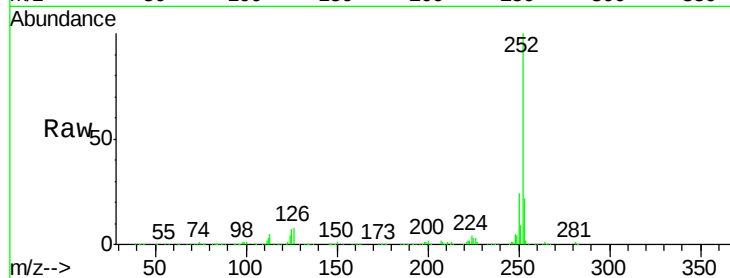
Tgt Ion:252 Resp: 459493

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

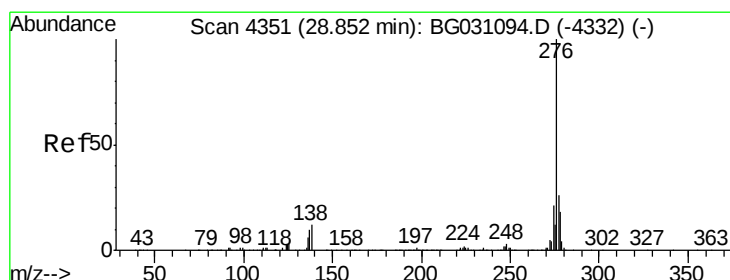
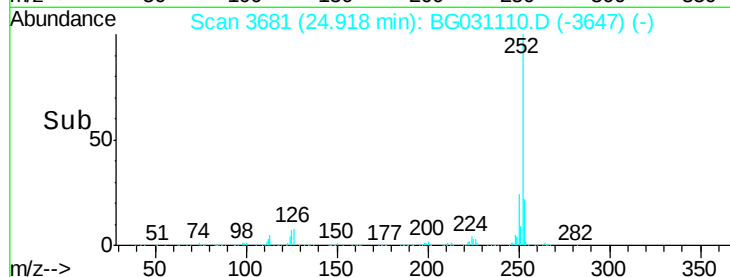
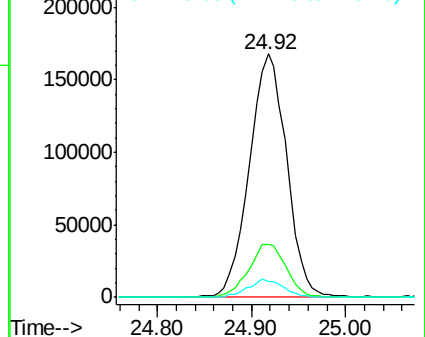
125 6.7 9.4 14.2#



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 20.38 ng/ul

RT: 28.86 min Scan# 4352

Delta R.T. 0.01 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

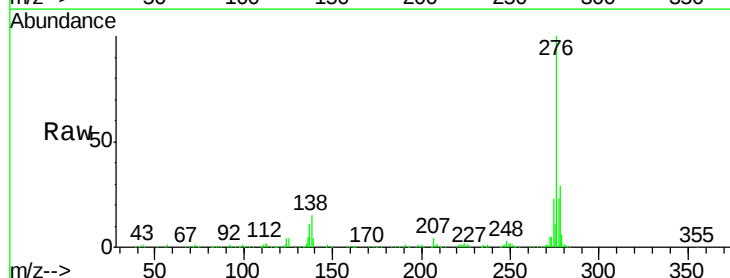
Tgt Ion:276 Resp: 521756

Ion Ratio Lower Upper

276 100

138 15.3 17.8 26.6#

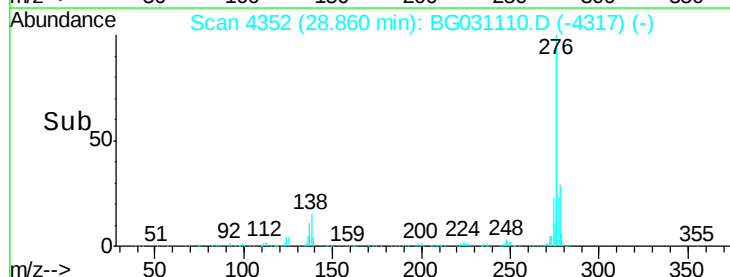
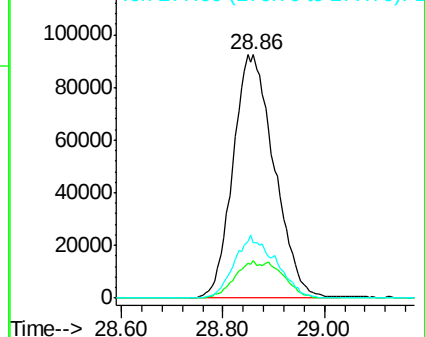
277 23.0 19.4 29.0

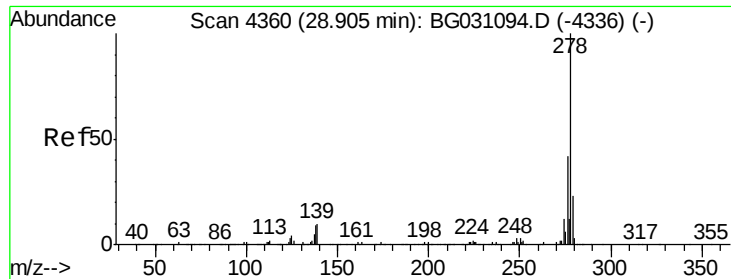


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.46 ng/ul

RT: 28.91 min Scan# 4360

Delta R.T. 0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

Instrument :

BNA_G

ClientSampleId :

SSTD02066

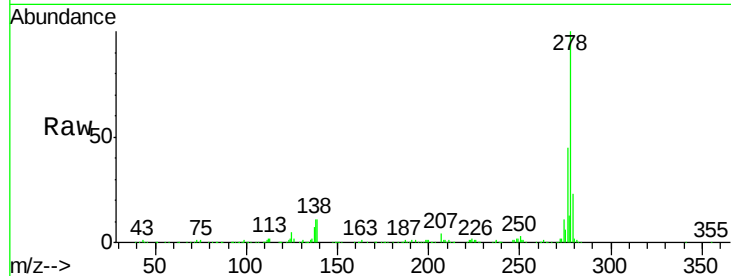
Tgt Ion: 278 Resp: 433725

Ion Ratio Lower Upper

278 100

139 11.4 14.0 21.0#

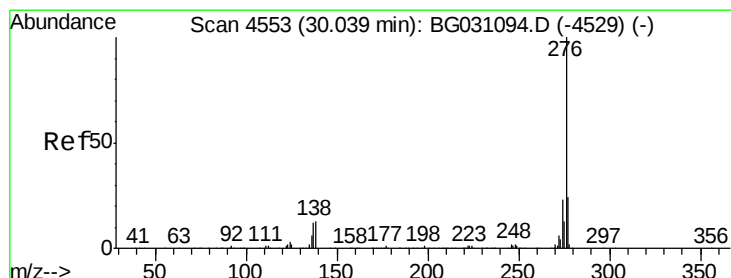
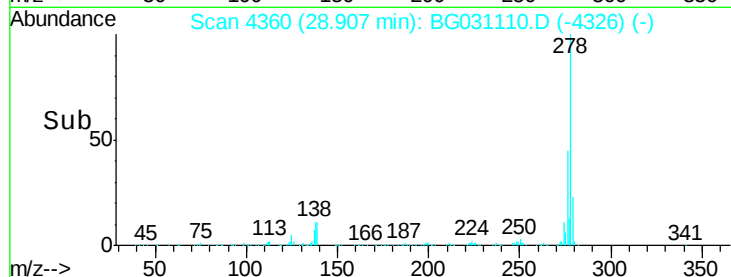
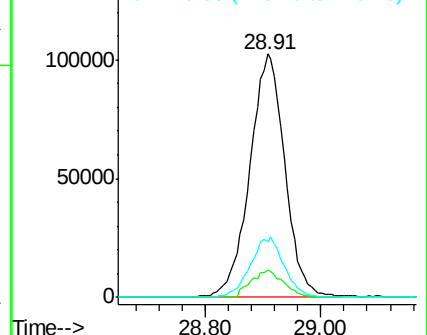
279 22.7 20.6 31.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 20.15 ng/ul

RT: 30.04 min Scan# 4553

Delta R.T. 0.00 min

Lab File: BG031110.D

Acq: 18 Nov 2017 8:34

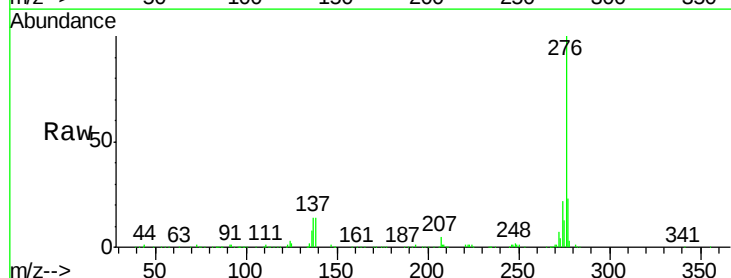
Tgt Ion: 276 Resp: 429656

Ion Ratio Lower Upper

276 100

138 13.9 19.0 28.4#

277 23.5 19.7 29.5



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

