

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031094.D
 Acq On : 17 Nov 2017 22:35
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02065

Quant Time: Nov 18 00:40:48 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration

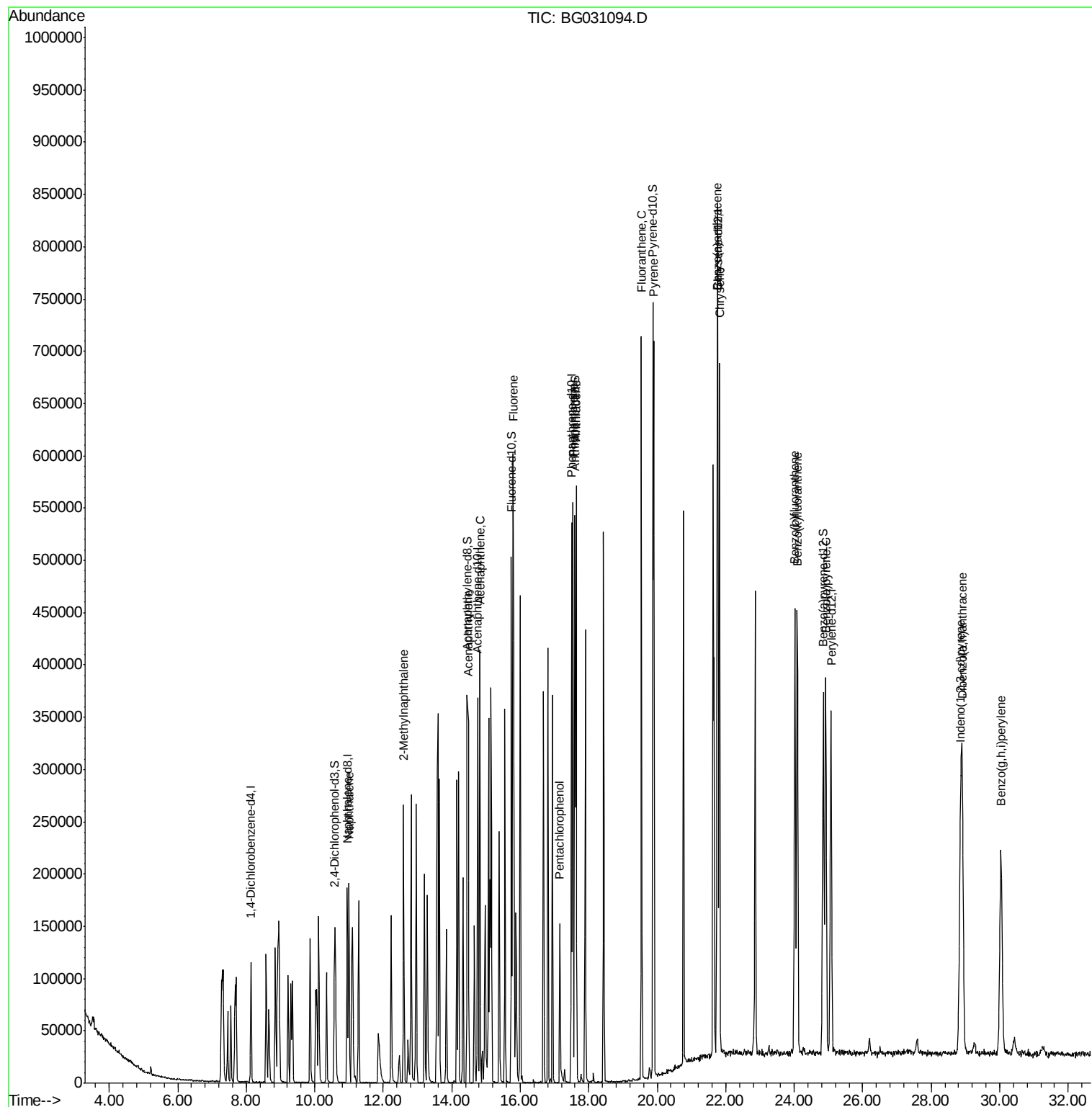
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	34980	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	168039	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	129148	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	355281	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	379619	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	373932	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	61218	19.31	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	281979	20.99	ng/ul	0.00
10) Fluorene-d10	15.74	176	219012	20.30	ng/ul	0.00
15) Anthracene-d10	17.59	188	351069	19.74	ng/ul	0.00
19) Pyrene-d10	19.87	212	416682	24.03	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	368731	19.93	ng/ul	0.01
Target Compounds						
						Qvalue
4) Naphthalene	11.00	128	166474	20.70	ng/ul	97
5) 2-Methylnaphthalene	12.60	142	137850	20.77	ng/ul	96
8) Acenaphthylene	14.48	152	249420	21.20	ng/ul	98
9) Acenaphthene	14.82	153	175265	20.65	ng/ul	99
11) Fluorene	15.80	166	213325	19.84	ng/ul	98
13) Pentachlorophenol	17.15	266	36398	17.56	ng/uL	97
14) Phenanthrene	17.54	178	375806	19.71	ng/ul	98
16) Anthracene	17.63	178	384360	19.85	ng/ul	99
17) Fluoranthene	19.54	202	482783	18.20	ng/ul#	87
20) Pyrene	19.90	202	476232	23.64	ng/ul#	85
21) Benzo(a)anthracene	21.75	228	488663	21.13	ng/ul	99
22) Chrysene	21.82	228	458531	20.84	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	454513	20.12	ng/ul#	95
25) Benzo(k)fluoranthene	24.09	252	458921	20.62	ng/ul#	95
27) Benzo(a)pyrene	24.92	252	446837	20.63	ng/ul#	94
28) Indeno(1,2,3-cd)pyrene	28.85	276	504868	20.45	ng/ul#	88
29) Dibenzo(a,h)anthracene	28.90	278	421736	20.64	ng/ul#	90
30) Benzo(g,h,i)perylene	30.04	276	420481	20.46	ng/ul#	89

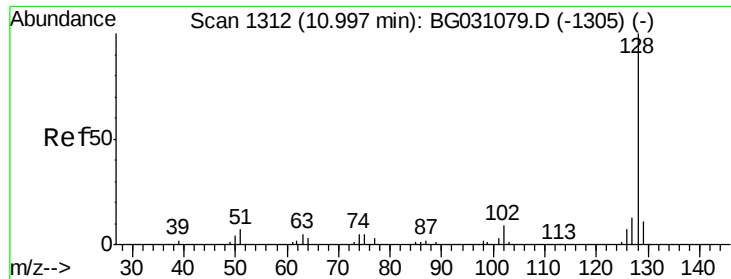
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
Data File : BG031094.D
Acq On : 17 Nov 2017 22:35
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02065

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
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#4

Naphthalene

Concen: 20.70 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

Instrument :

BNA_G

ClientSampleId :

SSTD02065

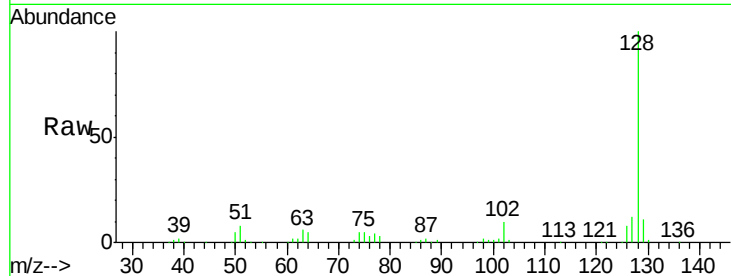
Tot Ion:128 Resp: 166474

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

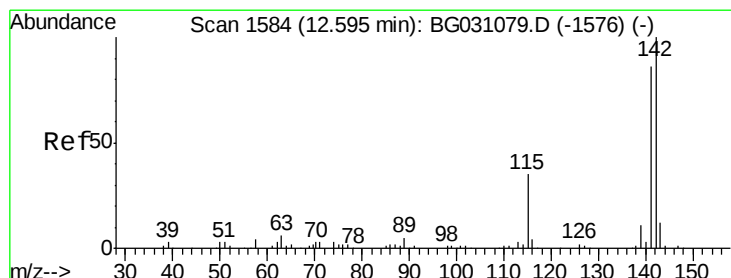
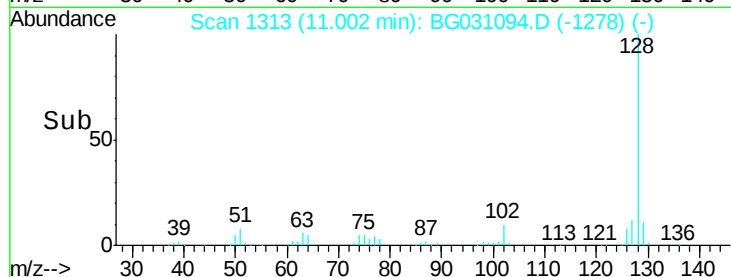
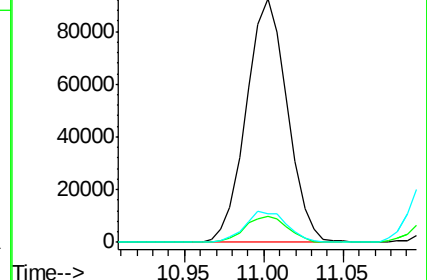
127 11.8 10.6 15.8



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: 20.77 ng/ul

RT: 12.60 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BG031094.D

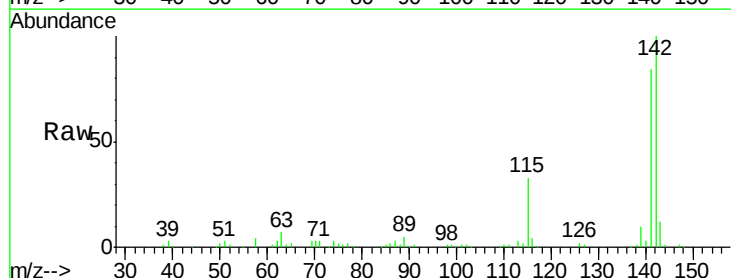
Acq: 17 Nov 2017 22:35

Tgt Ion:142 Resp: 137850

Ion Ratio Lower Upper

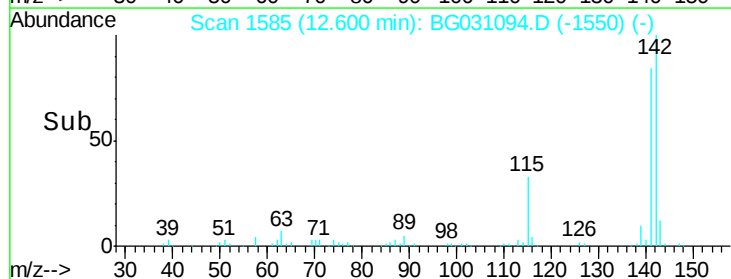
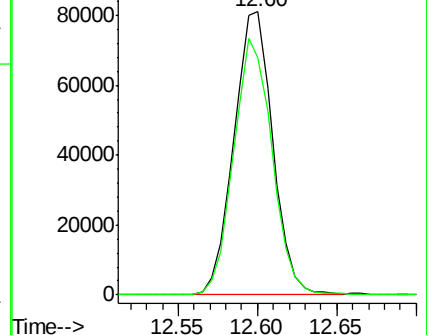
142 100

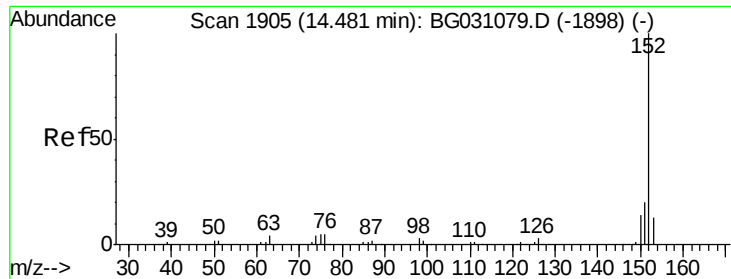
141 84.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.20 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

Instrument :

BNA_G

ClientSampleId :

SSTD02065

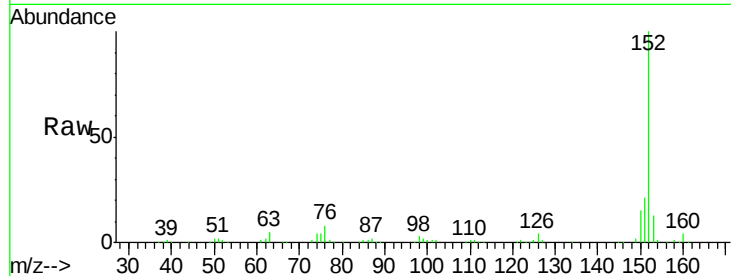
Tot Ion:152 Resp: 249420

Ion Ratio Lower Upper

152 100

151 20.6 17.5 26.3

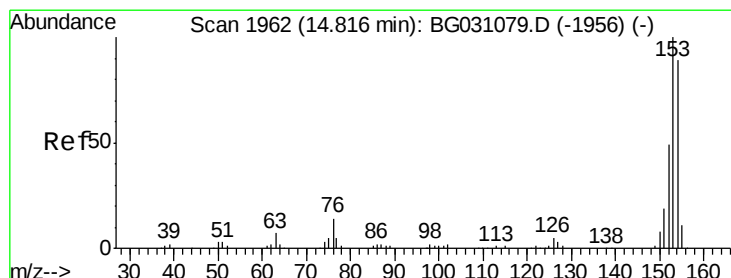
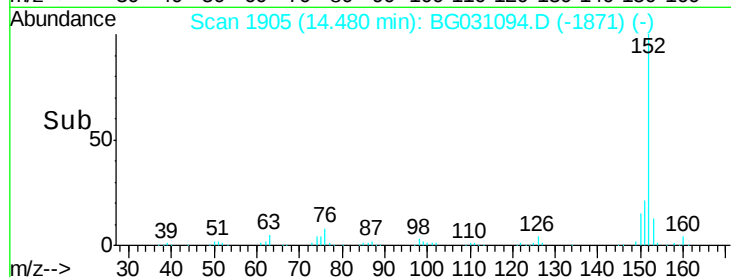
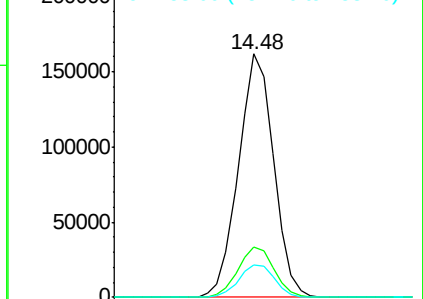
153 13.5 10.6 16.0



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: 20.65 ng/ul

RT: 14.82 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

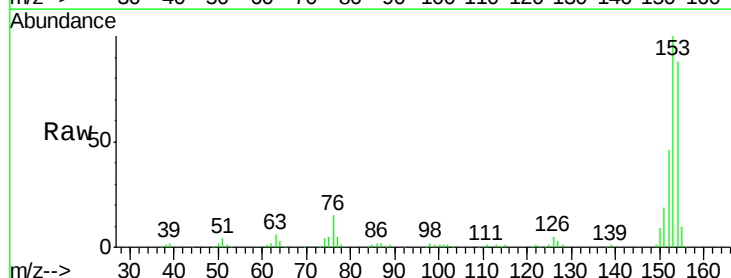
Tgt Ion:153 Resp: 175265

Ion Ratio Lower Upper

153 100

152 46.4 37.9 56.9

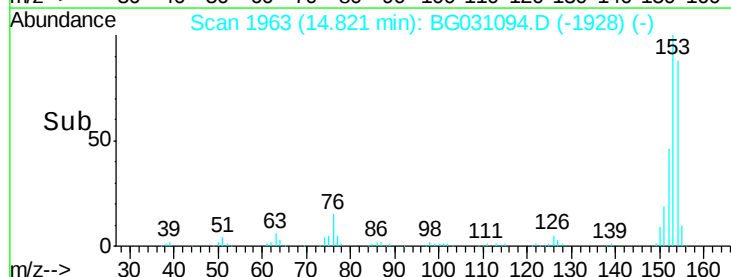
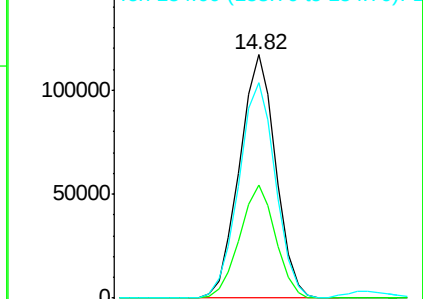
154 88.5 71.6 107.4

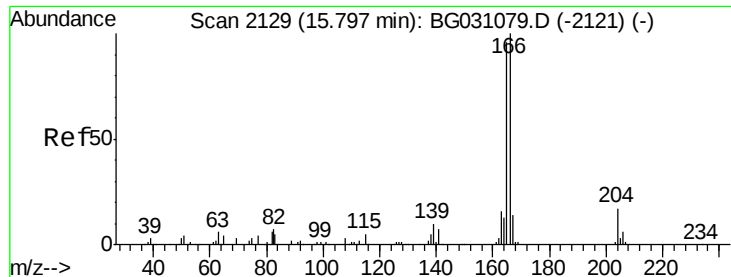


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

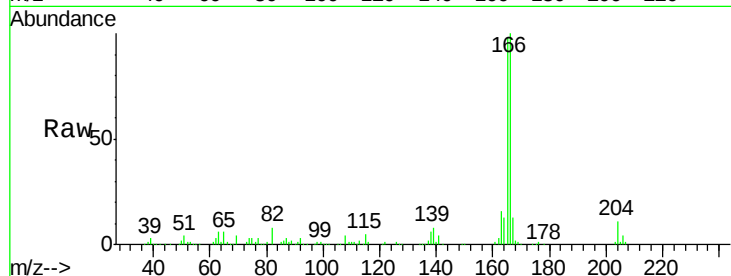




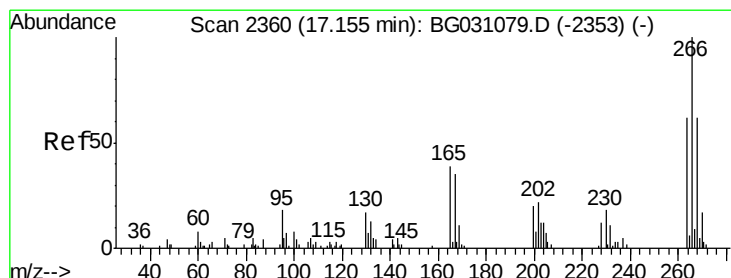
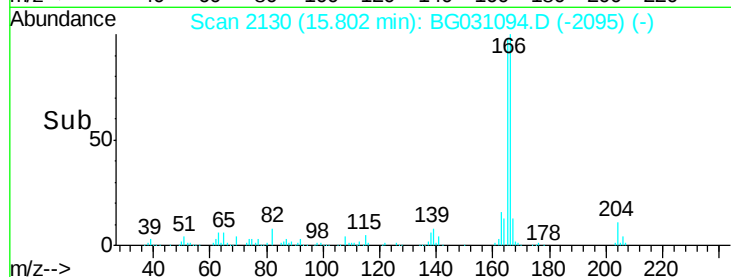
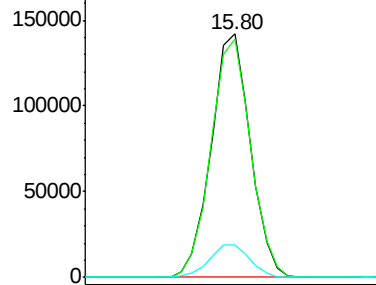
#11
 Fluorene
 Concen: 19.84 ng/ul
 RT: 15.80 min Scan# 2130
 Delta R.T. 0.01 min
 Lab File: BG031094.D
 Acq: 17 Nov 2017 22:35

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02065

Tot Ion:166 Resp: 213325
 Ion Ratio Lower Upper
 166 100
 165 98.2 80.0 120.0
 167 13.4 11.6 17.4

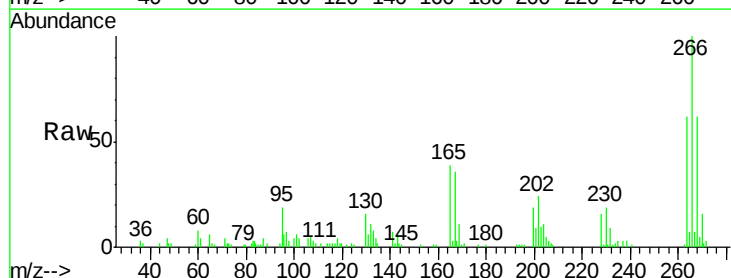


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

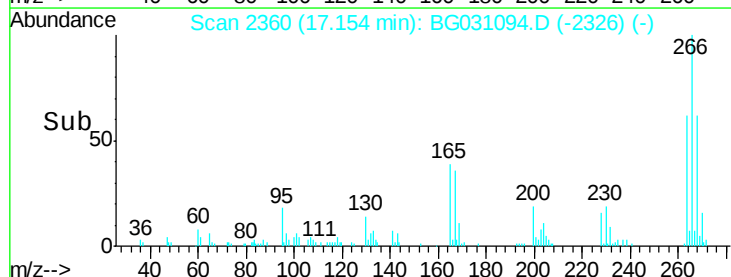
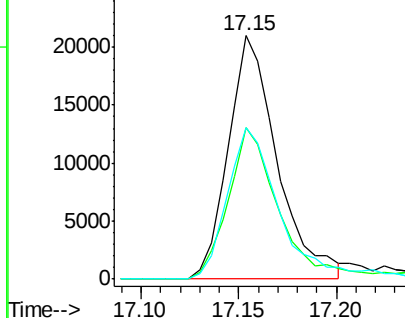


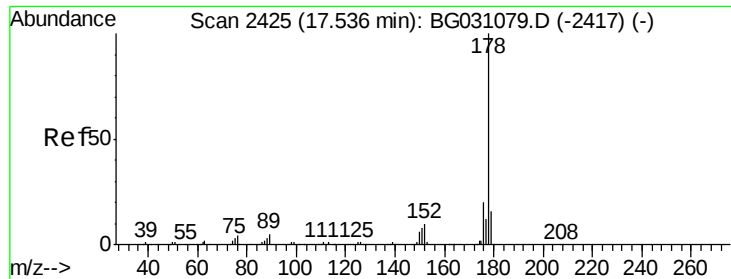
#13
 Pentachlorophenol
 Concen: 17.56 ng/uL
 RT: 17.15 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: BG031094.D
 Acq: 17 Nov 2017 22:35

Tgt Ion:266 Resp: 36398
 Ion Ratio Lower Upper
 266 100
 264 62.4 52.0 78.0
 268 62.1 51.2 76.8



Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

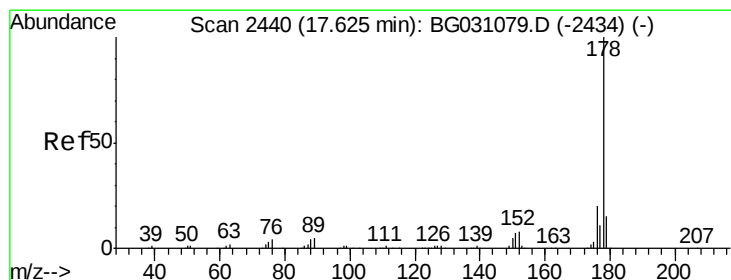
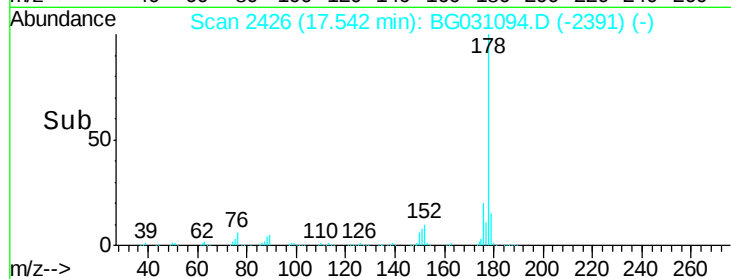
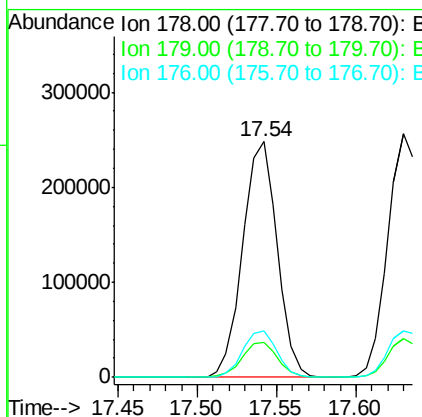
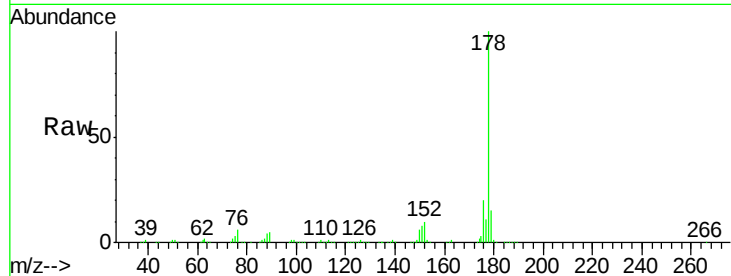




#14
Phenanthrene
Concen: 19.71 ng/ul
RT: 17.54 min Scan# 2426
Delta R.T. 0.01 min
Lab File: BG031094.D
Acq: 17 Nov 2017 22:35

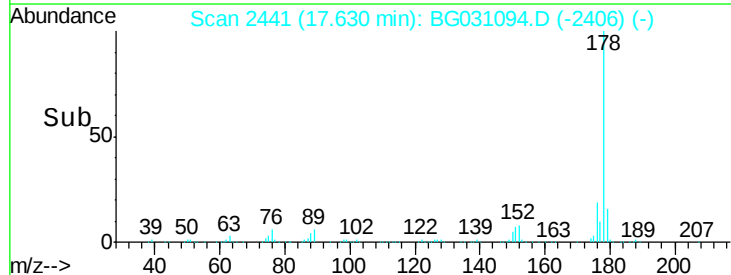
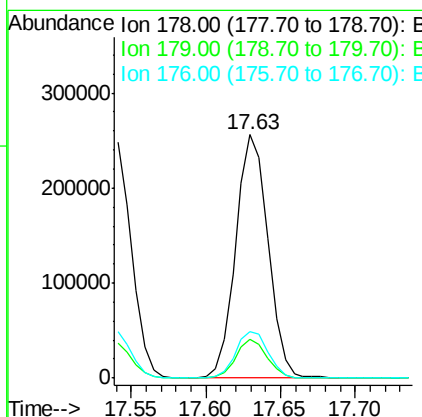
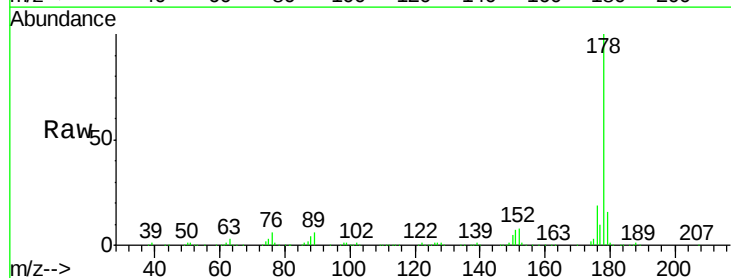
Instrument :
BNA_G
ClientSampleId :
SSTD02065

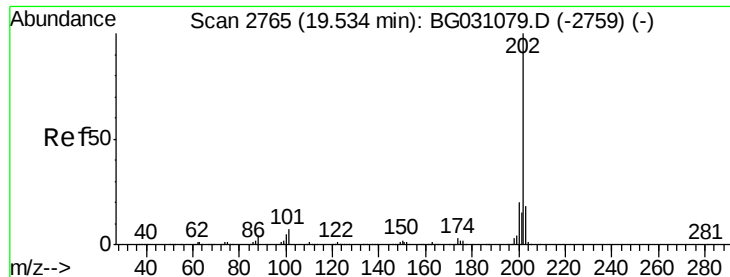
Tot Ion:178 Resp: 375806
Ion Ratio Lower Upper
178 100
179 15.0 12.2 18.4
176 19.5 16.4 24.6



#16
Anthracene
Concen: 19.85 ng/ul
RT: 17.63 min Scan# 2441
Delta R.T. 0.01 min
Lab File: BG031094.D
Acq: 17 Nov 2017 22:35

Tgt Ion:178 Resp: 384360
Ion Ratio Lower Upper
178 100
179 15.8 12.7 19.1
176 19.3 15.8 23.8

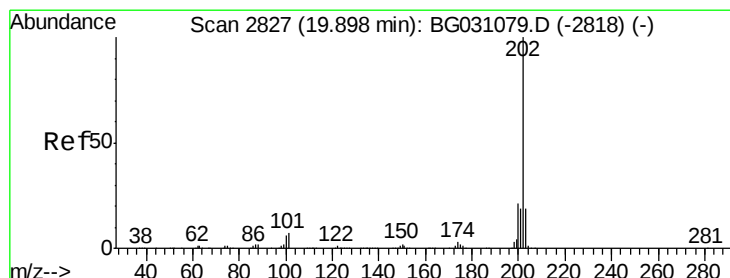
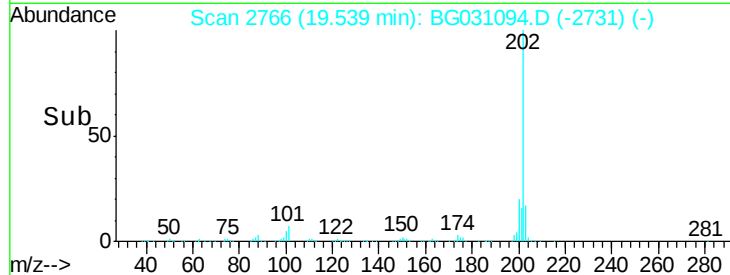
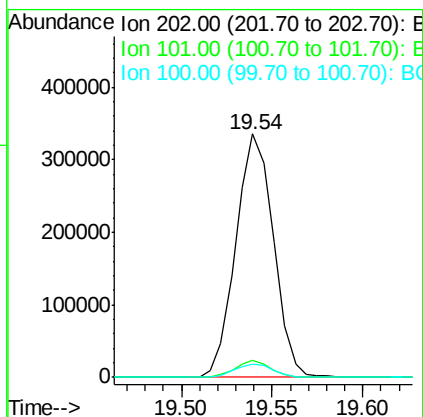
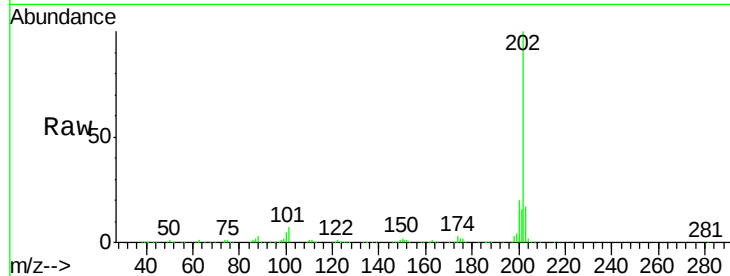




#17
Fluoranthene
 Concen: 18.20 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BG031094.D
 Acq: 17 Nov 2017 22:35

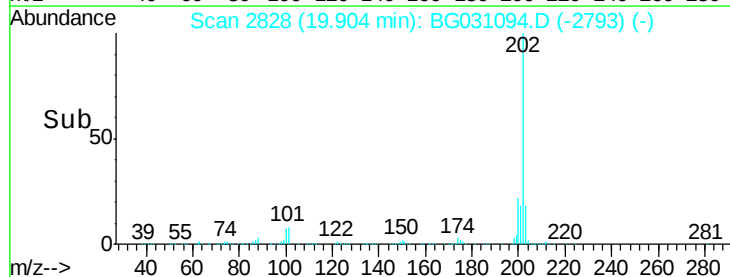
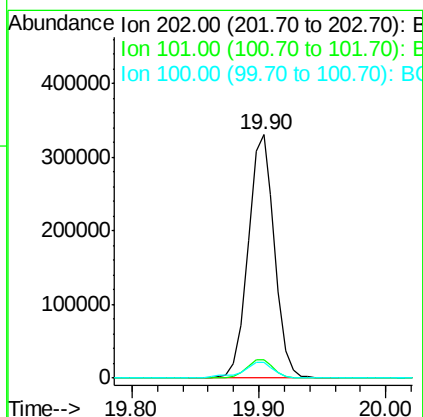
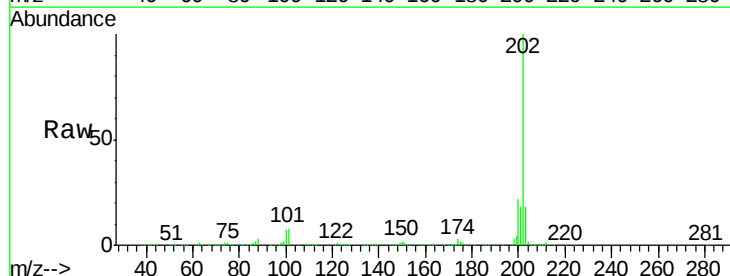
Instrument :
 BNA_G
 ClientSampleId :
 SST02065

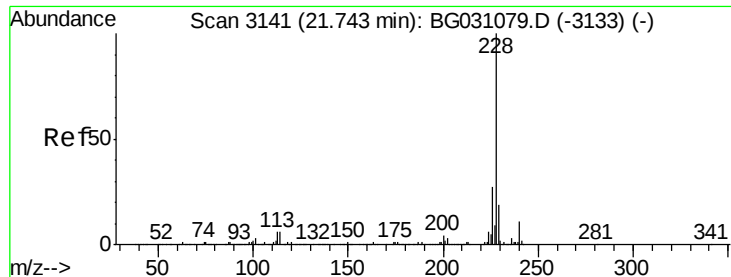
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.8	9.8	14.8#
100	5.4	7.5	11.3#



#20
Pyrene
 Concen: 23.64 ng/ul
 RT: 19.90 min Scan# 2828
 Delta R.T. 0.01 min
 Lab File: BG031094.D
 Acq: 17 Nov 2017 22:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	11.2	16.8#
100	6.6	9.8	14.6#

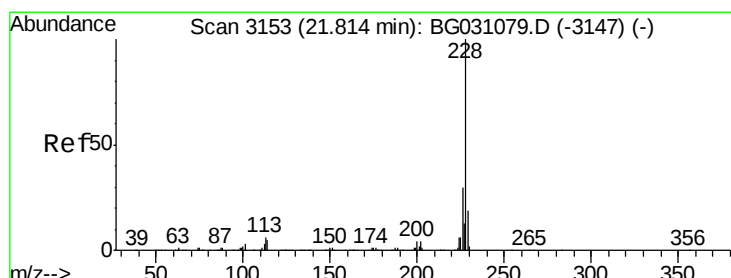
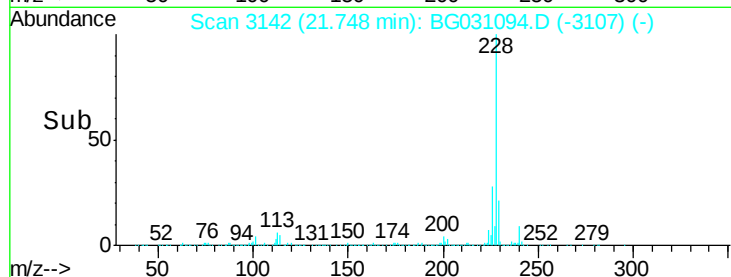
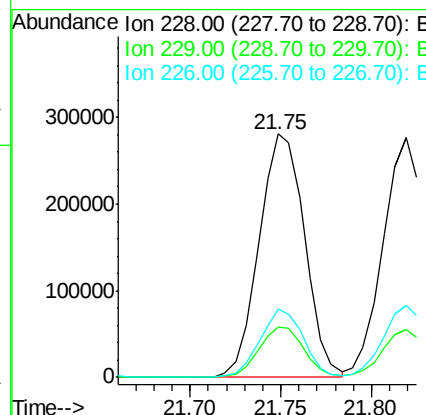
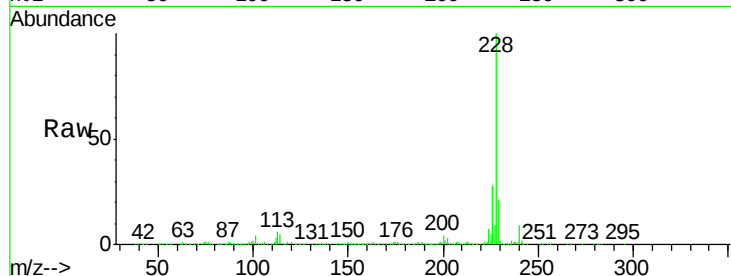




#21
Benzo(a)anthracene
Concen: 21.13 ng/ul
RT: 21.75 min Scan# 3142
Delta R.T. 0.01 min
Lab File: BG031094.D
Acq: 17 Nov 2017 22:35

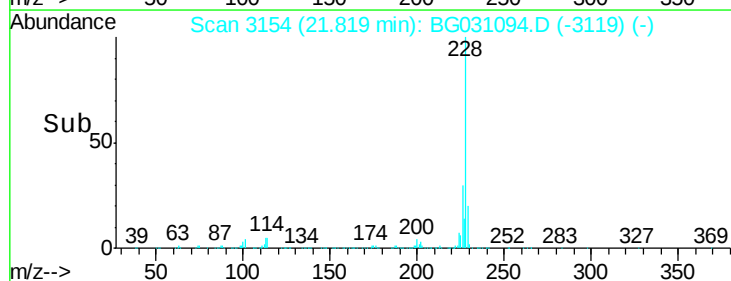
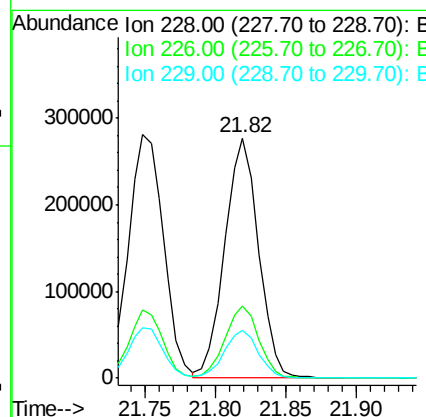
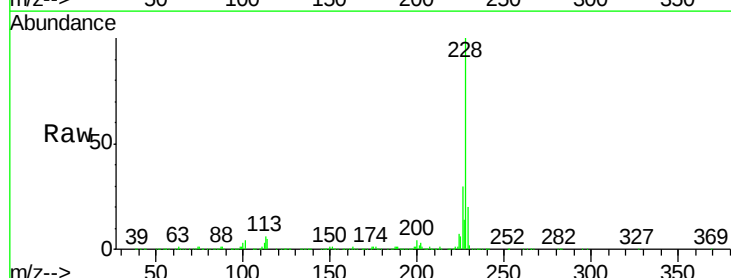
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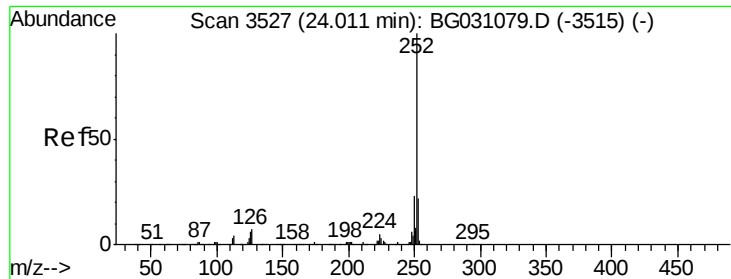
Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.9	23.9
226	28.1	22.1	33.1



#22
Chrysene
Concen: 20.84 ng/ul
RT: 21.82 min Scan# 3154
Delta R.T. 0.01 min
Lab File: BG031094.D
Acq: 17 Nov 2017 22:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.0	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 20.12 ng/ul

RT: 24.02 min Scan# 3529

Delta R.T. 0.01 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

Instrument :

BNA_G

ClientSampleId :

SSTD02065

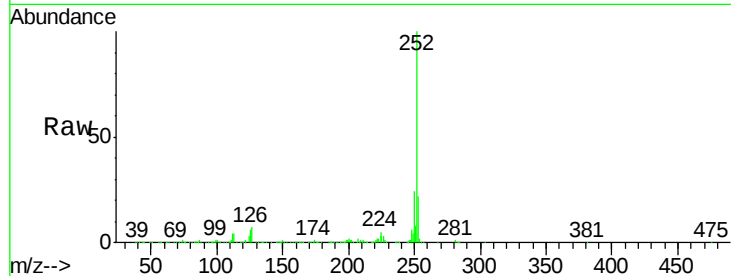
Tot Ion:252 Resp: 454513

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

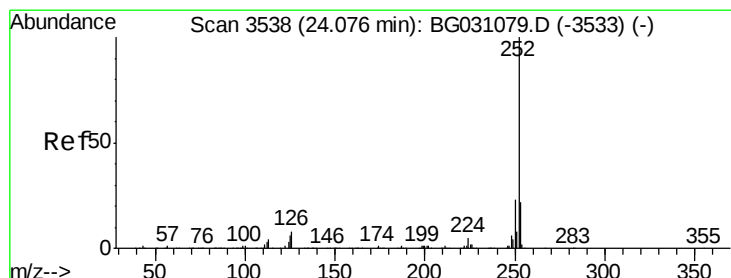
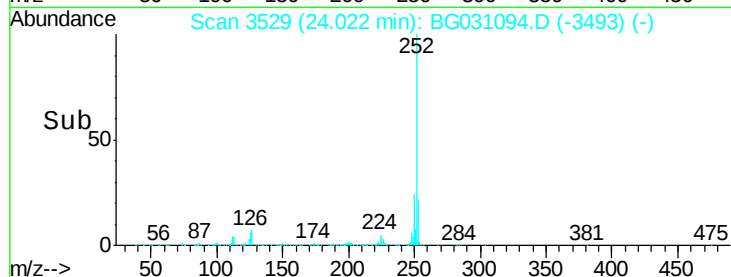
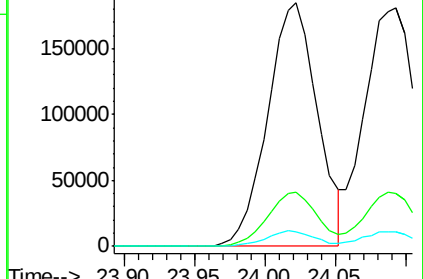
125 6.1 9.4 14.0#



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: 20.62 ng/ul

RT: 24.09 min Scan# 3541

Delta R.T. 0.02 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

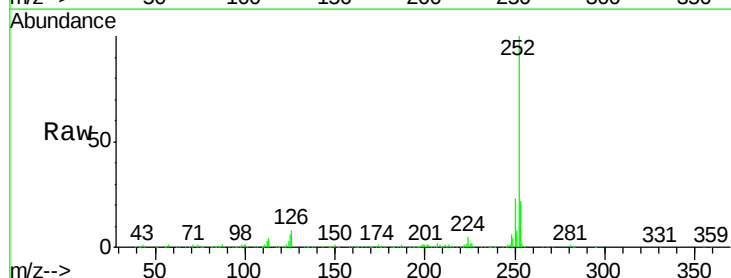
Tgt Ion:252 Resp: 458921

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

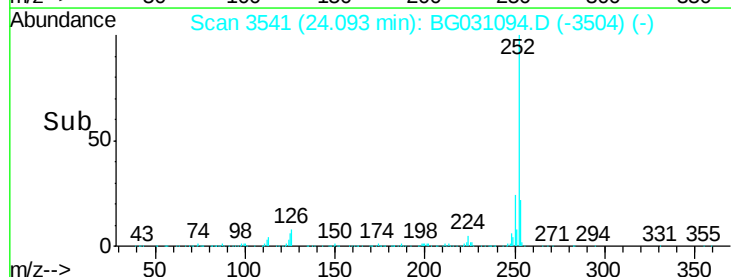
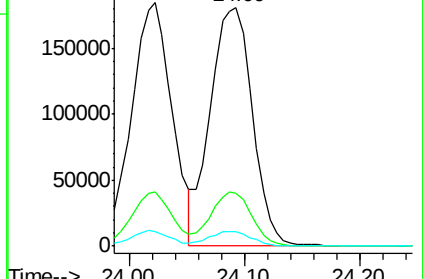
125 5.9 8.8 13.2#

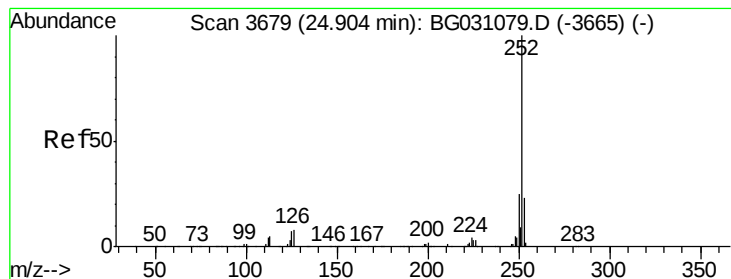


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 20.63 ng/ul

RT: 24.92 min Scan# 3681

Delta R.T. 0.01 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

Instrument :

BNA_G

ClientSampleId :

SSTD02065

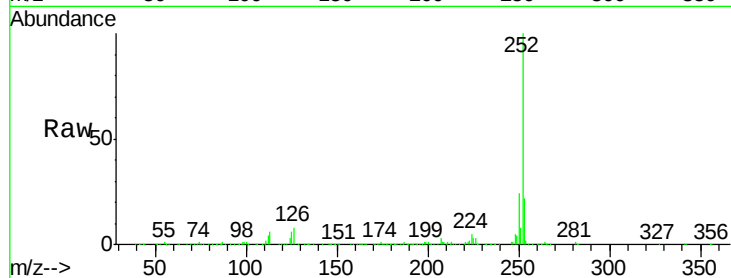
Tot Ion:252 Resp: 446837

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

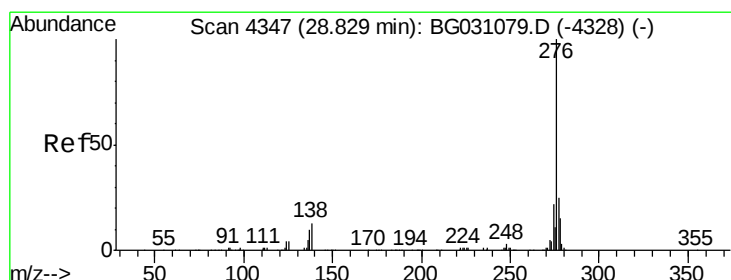
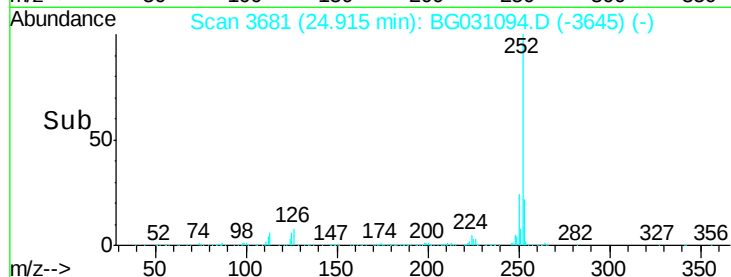
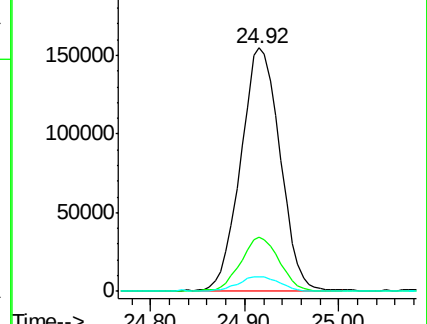
125 6.2 9.4 14.2#



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: 20.45 ng/ul

RT: 28.85 min Scan# 4351

Delta R.T. 0.02 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

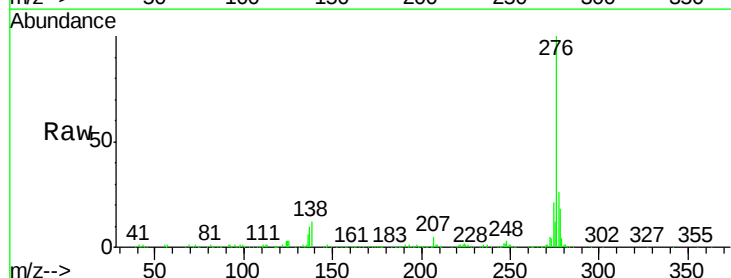
Tgt Ion:276 Resp: 504868

Ion Ratio Lower Upper

276 100

138 12.2 17.8 26.6#

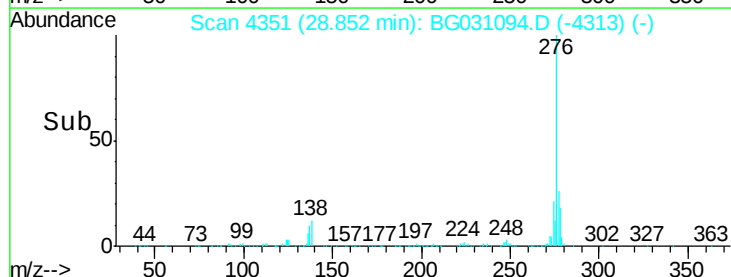
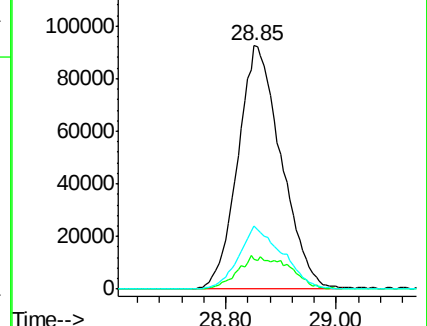
277 26.1 19.4 29.0

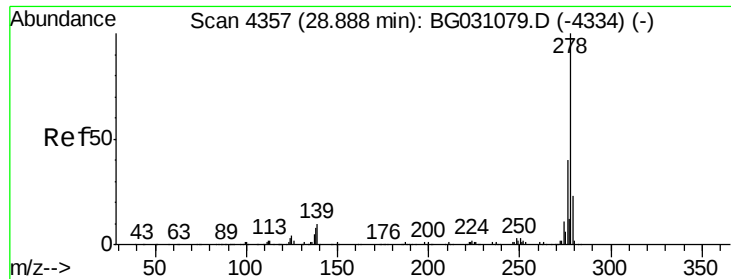


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.64 ng/ul

RT: 28.90 min Scan# 4360

Delta R.T. 0.02 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

Instrument :

BNA_G

ClientSampleId :

SSTD02065

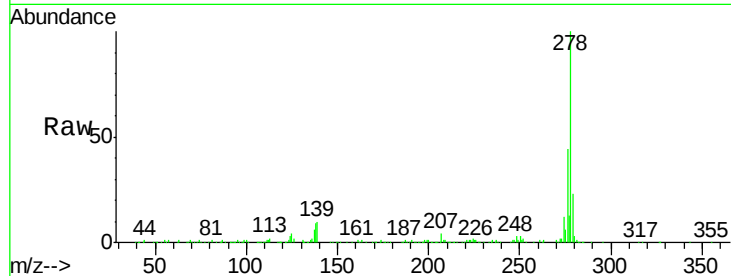
Tot Ion:278 Resp: 421736

Ion Ratio Lower Upper

278 100

139 10.3 14.0 21.0#

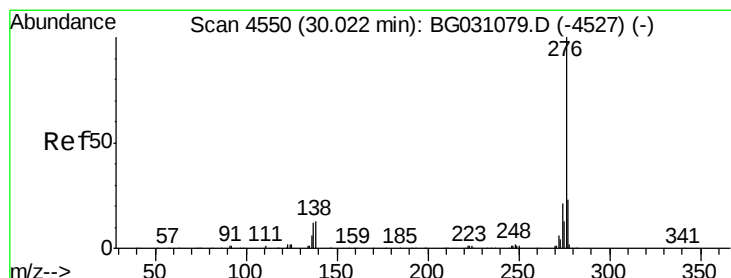
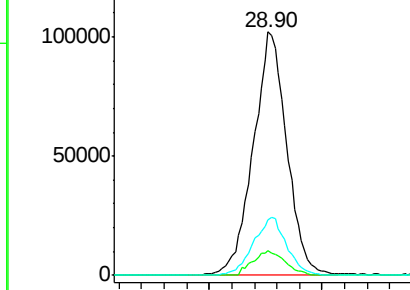
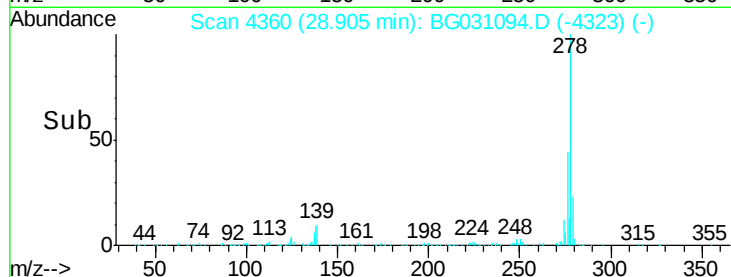
279 22.7 20.6 31.0



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: 20.46 ng/ul

RT: 30.04 min Scan# 4553

Delta R.T. 0.02 min

Lab File: BG031094.D

Acq: 17 Nov 2017 22:35

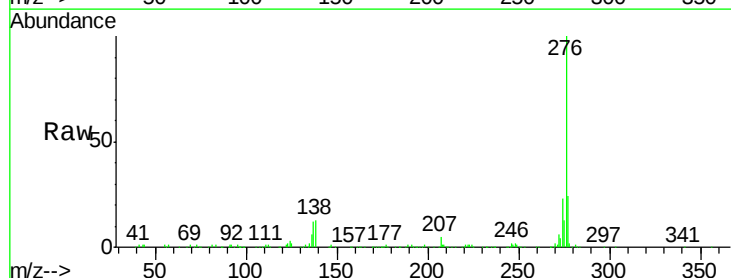
Tgt Ion:276 Resp: 420481

Ion Ratio Lower Upper

276 100

138 12.8 19.0 28.4#

277 24.2 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

