

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\
 Data File : BG031046.D
 Acq On : 16 Nov 2017 16:14
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02061

Quant Time: Nov 17 03:24:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 16 15:59:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	25082	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	109323	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	84737	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	241960	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	359894	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	361141	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	42662	20.68	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	176080	19.98	ng/ul	0.00
10) Fluorene-d10	15.74	176	138785	19.61	ng/ul	0.00
15) Anthracene-d10	17.59	188	240564	19.86	ng/ul	0.00
19) Pyrene-d10	19.87	212	334325	20.34	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	352488	19.73	ng/ul	0.00

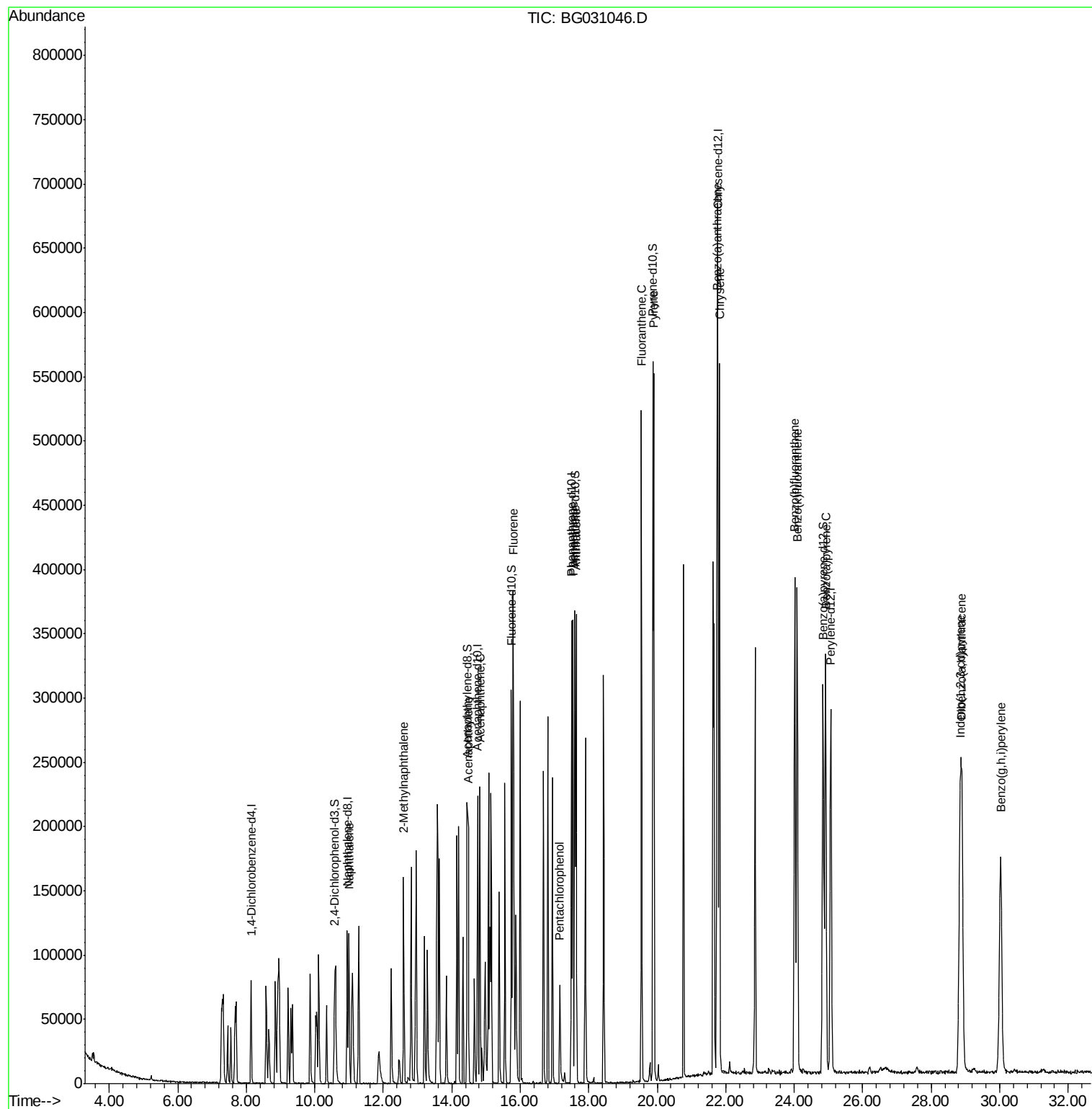
Target Compounds				Qvalue		
4) Naphthalene	11.00	128	105182	20.10	ng/ul	99
5) 2-Methylnaphthalene	12.59	142	83854	19.42	ng/ul	93
8) Acenaphthylene	14.48	152	153507	19.89	ng/ul	99
9) Acenaphthene	14.82	153	109222	19.61	ng/ul	96
11) Fluorene	15.80	166	135799	19.25	ng/ul	95
13) Pentachlorophenol	17.15	266	22345	15.83	ng/uL	96
14) Phenanthrene	17.54	178	258774	19.93	ng/ul	98
16) Anthracene	17.63	178	264241	20.04	ng/ul	96
17) Fluoranthene	19.54	202	380147	21.04	ng/ul#	83
20) Pyrene	19.90	202	389100	20.37	ng/ul#	81
21) Benzo(a)anthracene	21.75	228	444078	20.25	ng/ul	98
22) Chrysene	21.82	228	413805	19.84	ng/ul	96
24) Benzo(b)fluoranthene	24.02	252	425317	19.49	ng/ul#	91
25) Benzo(k)fluoranthene	24.09	252	431060	20.05	ng/ul#	93
27) Benzo(a)pyrene	24.92	252	419350	20.05	ng/ul#	93
28) Indeno(1,2,3-cd)pyrene	28.84	276	474547	19.91	ng/ul#	88
29) Dibenzo(a,h)anthracene	28.90	278	395198	20.02	ng/ul#	90
30) Benzo(g,h,i)perylene	30.03	276	397614	20.03	ng/ul#	85

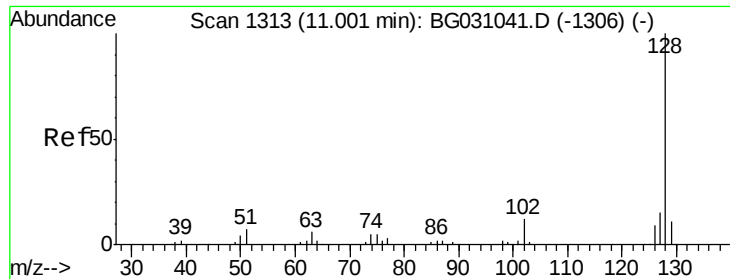
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Naphthalene

Concen: 20.10 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Instrument :

BNA_G

ClientSampleId :

SSTD02061

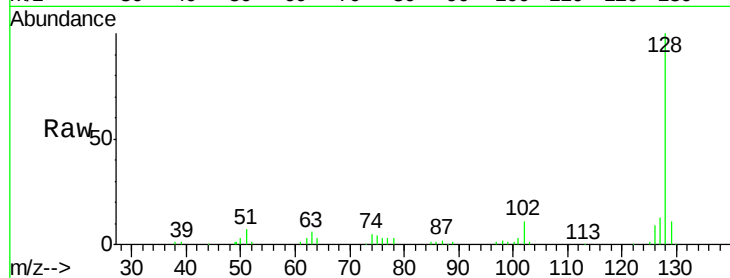
Tot Ion:128 Resp: 105182

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

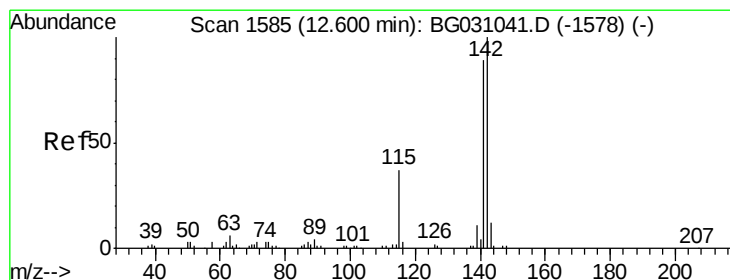
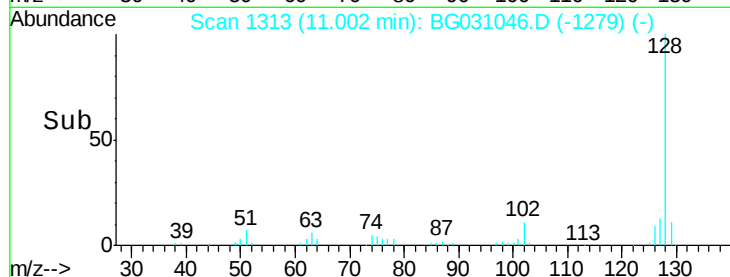
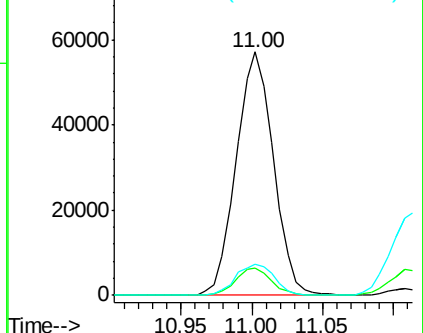
127 12.9 10.6 15.8



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: 19.42 ng/ul

RT: 12.59 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BG031046.D

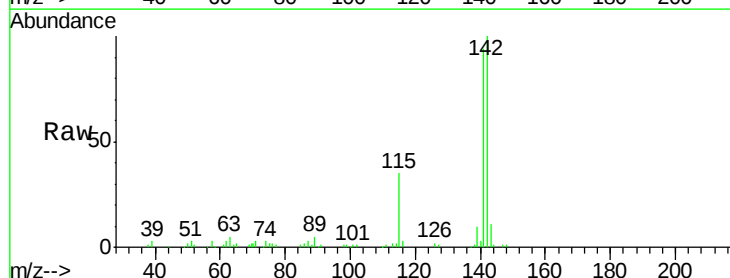
Acq: 16 Nov 2017 16:14

Tgt Ion:142 Resp: 83854

Ion Ratio Lower Upper

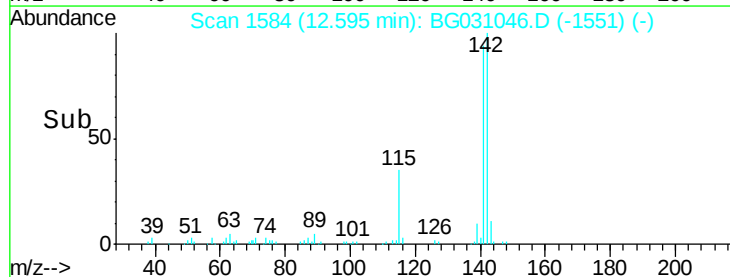
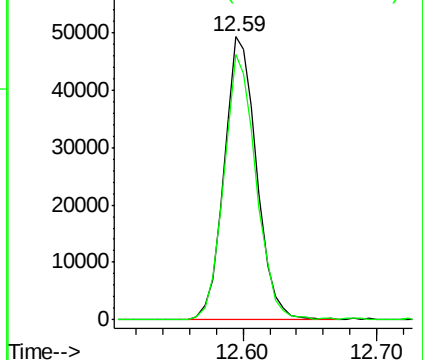
142 100

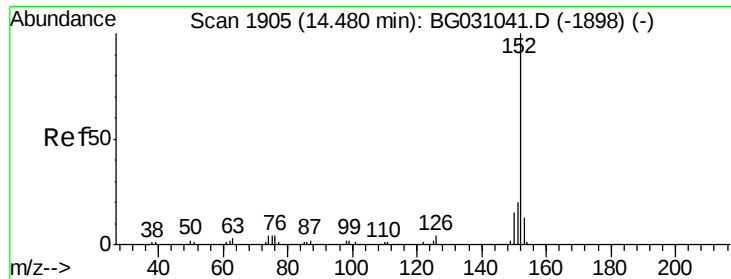
141 93.7 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.89 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Instrument :

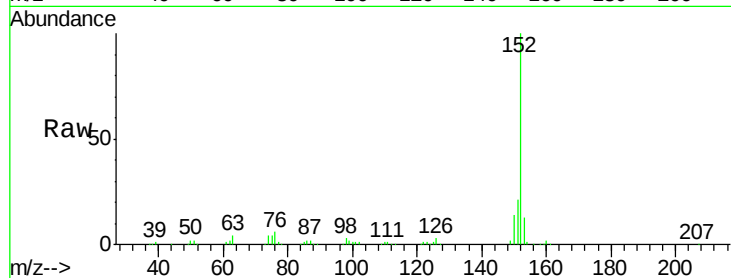
BNA_G

ClientSampleId :

SSTD02061

Tot Ion:152 Resp: 153507

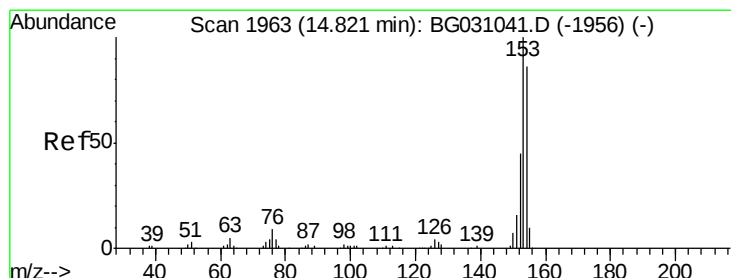
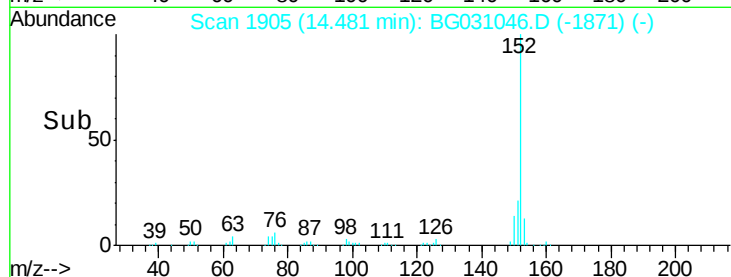
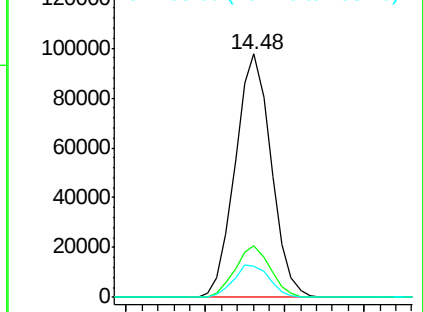
Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.5	26.3
153	13.0	10.6	16.0



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: 19.61 ng/ul

RT: 14.82 min Scan# 1963

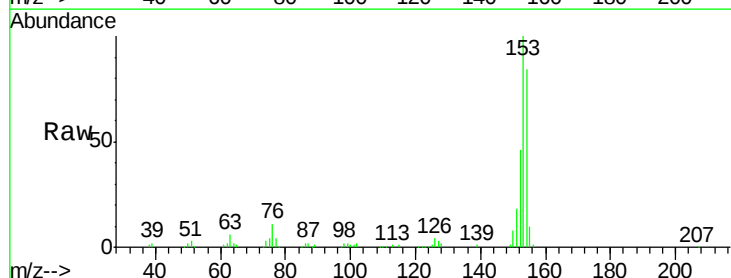
Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Tgt Ion:153 Resp: 109222

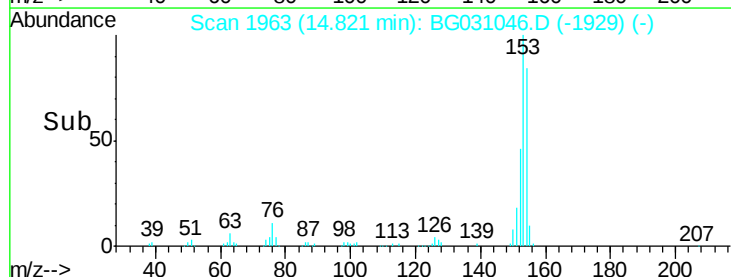
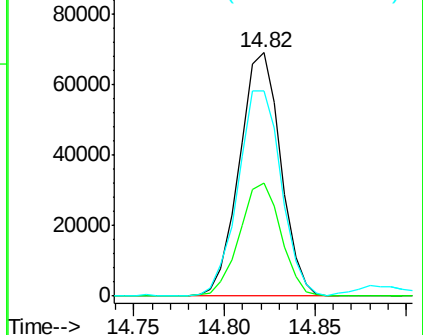
Ion	Ratio	Lower	Upper
153	100		
152	46.3	37.9	56.9
154	84.4	71.6	107.4

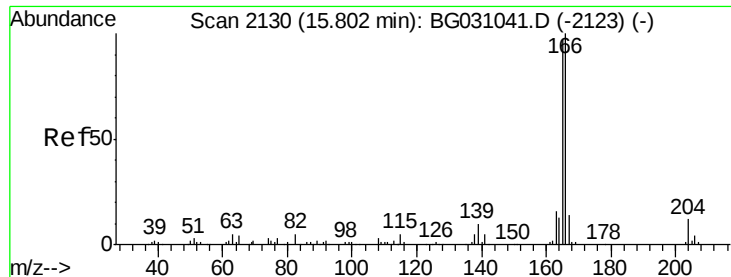


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 19.25 ng/ul

RT: 15.80 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Instrument :

BNA_G

ClientSampleId :

SSTD02061

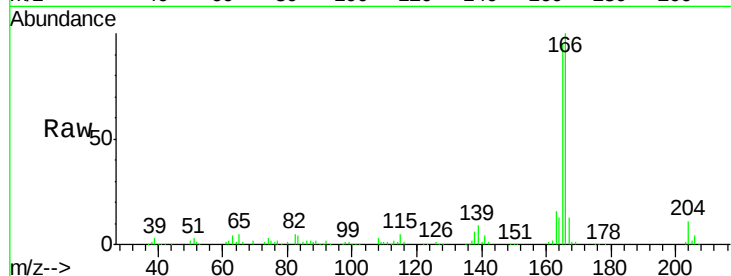
Tot Ion:166 Resp: 135799

Ion Ratio Lower Upper

166 100

165 95.2 80.0 120.0

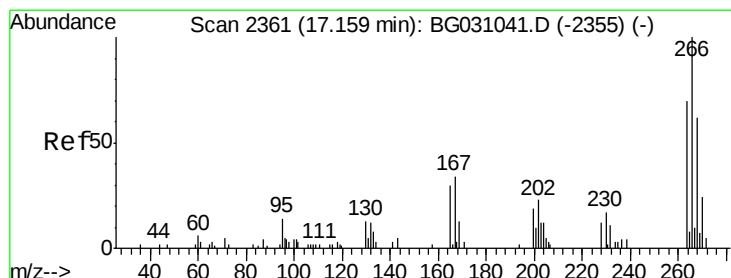
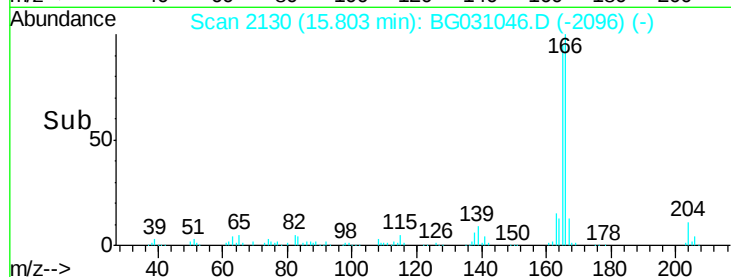
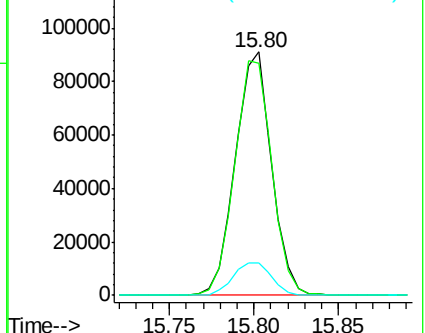
167 13.3 11.6 17.4



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: 15.83 ng/uL

RT: 17.15 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

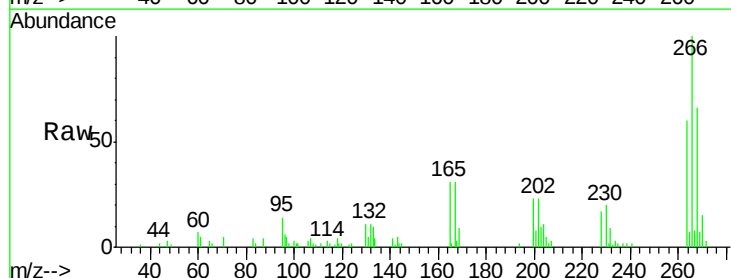
Tgt Ion:266 Resp: 22345

Ion Ratio Lower Upper

266 100

264 59.7 52.0 78.0

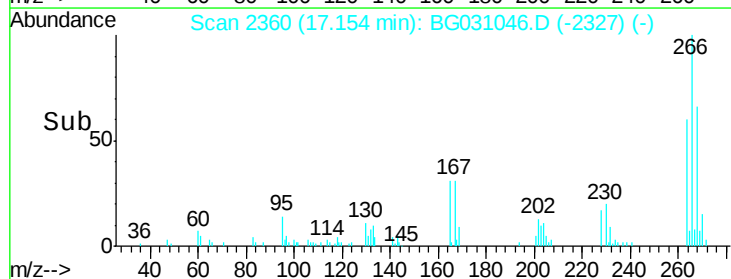
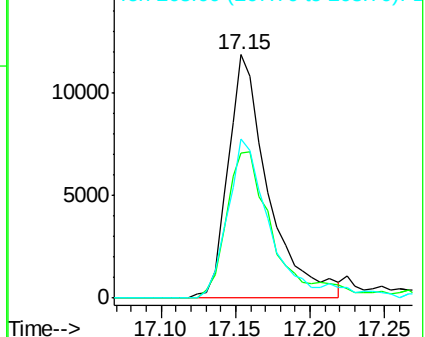
268 65.6 51.2 76.8

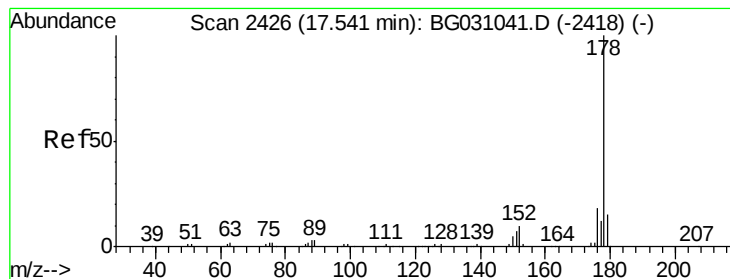


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.93 ng/ul

RT: 17.54 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Instrument :

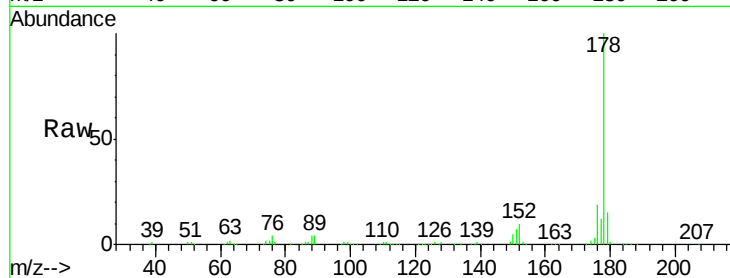
BNA_G

ClientSampleId :

SSTD02061

Tot Ion:178 Resp: 258774

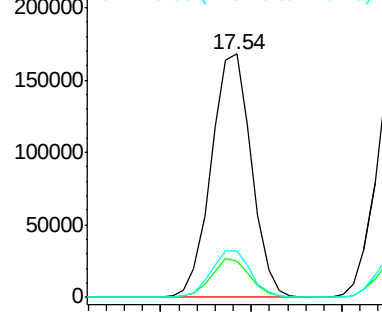
Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.2	18.4
176	19.1	16.4	24.6



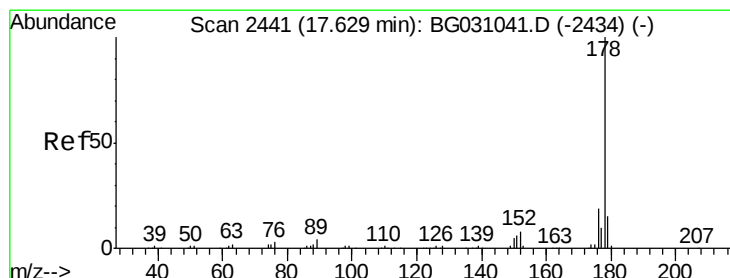
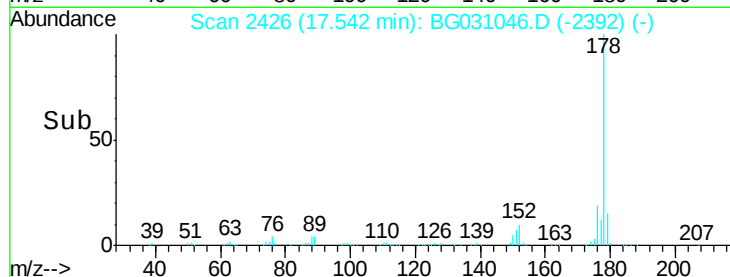
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#16

Anthracene

Concen: 20.04 ng/ul

RT: 17.63 min Scan# 2441

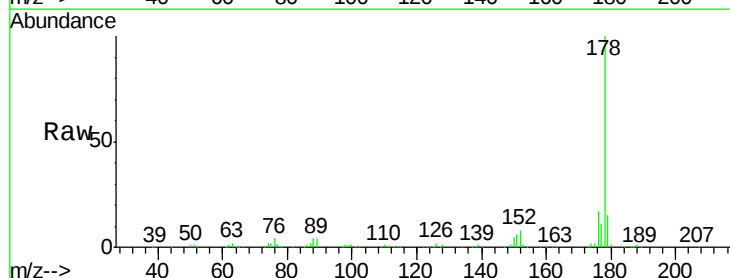
Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Tgt Ion:178 Resp: 264241

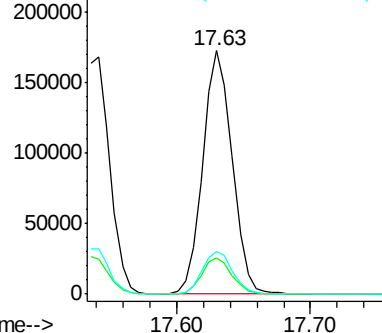
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.7	19.1
176	17.4	15.8	23.8



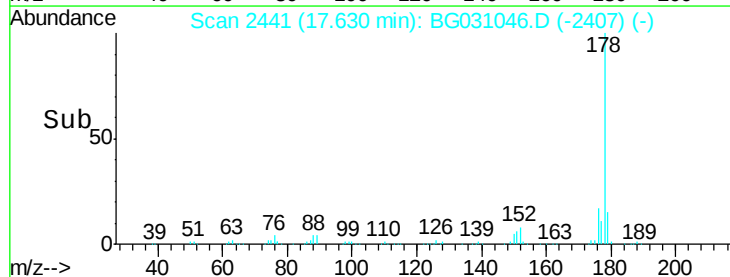
Abundance Ion 178.00 (177.70 to 178.70): E

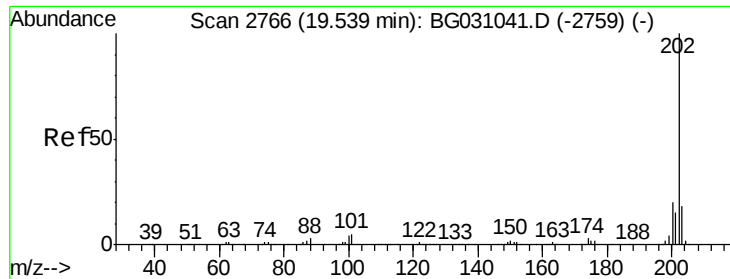
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

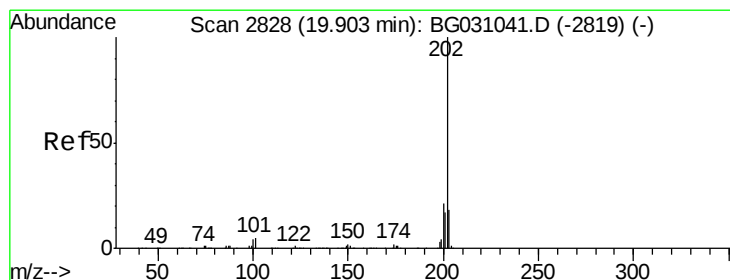
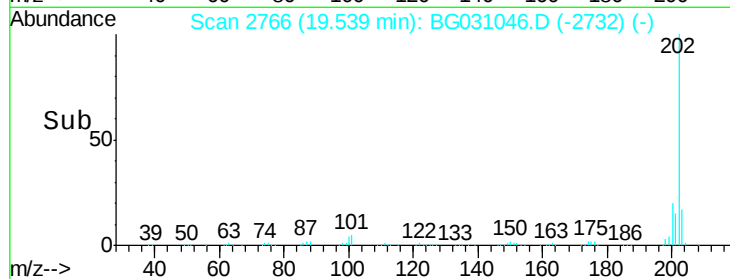
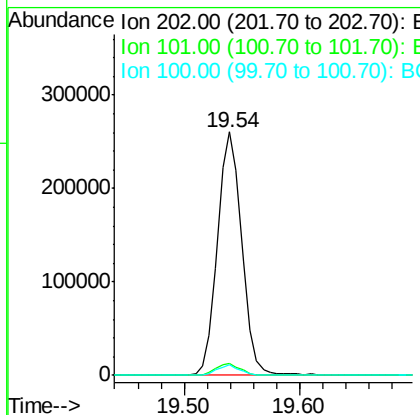
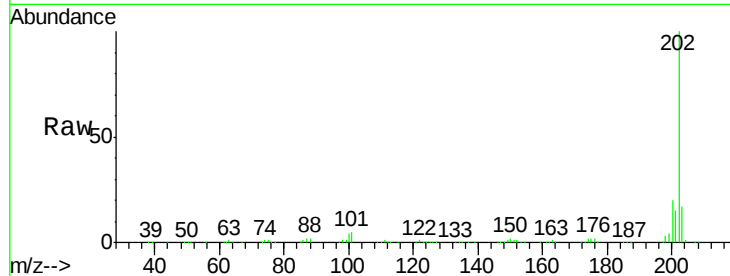




#17
Fluoranthene
 Concen: 21.04 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: BG031046.D
 Acq: 16 Nov 2017 16:14

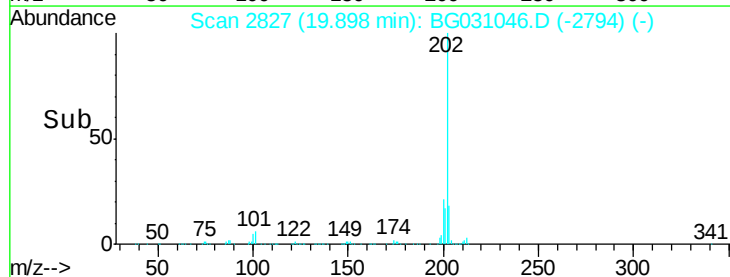
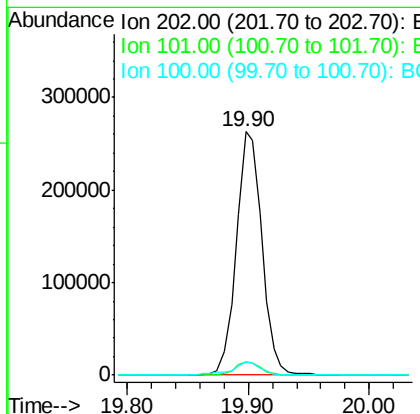
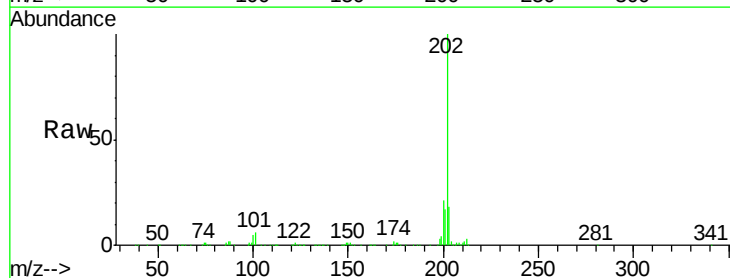
Instrument :
 BNA_G
 ClientSampleId :
 SST02061

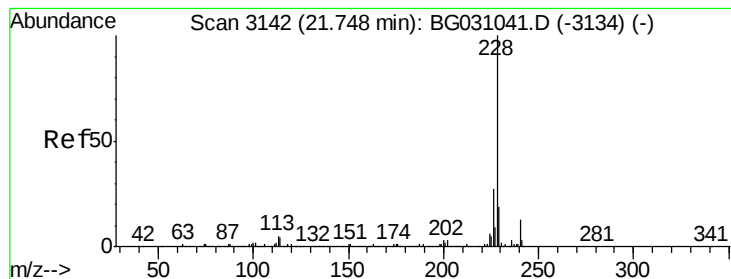
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.0	9.8	14.8#
100	4.2	7.5	11.3#



#20
Pyrene
 Concen: 20.37 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. -0.01 min
 Lab File: BG031046.D
 Acq: 16 Nov 2017 16:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.7	11.2	16.8#
100	5.4	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 20.25 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Instrument :

BNA_G

ClientSampleId :

SSTD02061

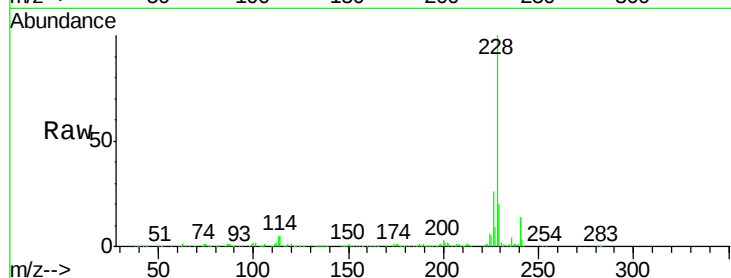
Tot Ion:228 Resp: 444078

Ion Ratio Lower Upper

228 100

229 20.1 15.9 23.9

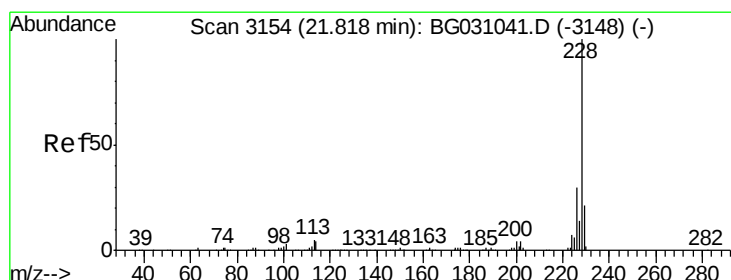
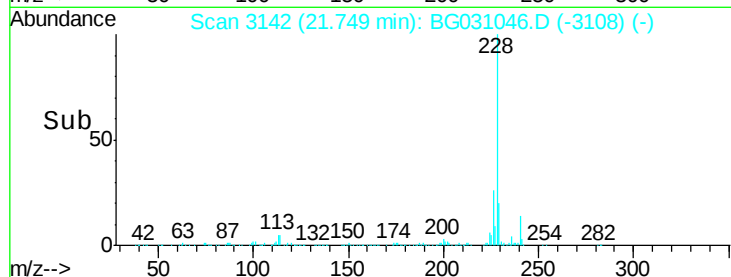
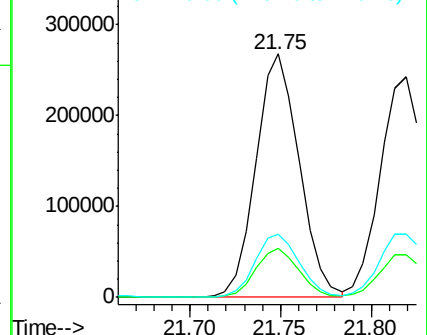
226 25.7 22.1 33.1



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: 19.84 ng/ul

RT: 21.82 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

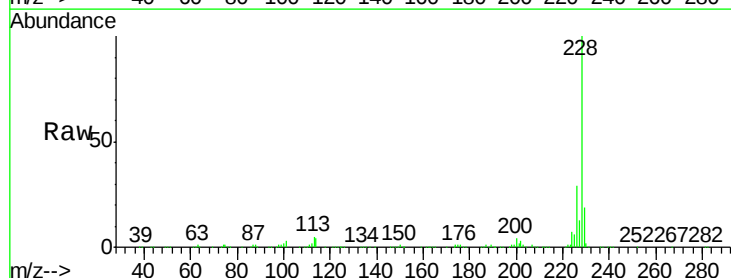
Tgt Ion:228 Resp: 413805

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

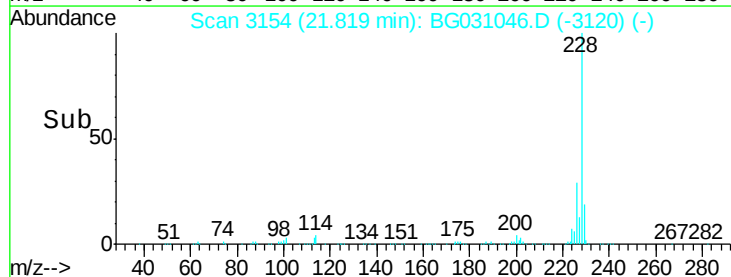
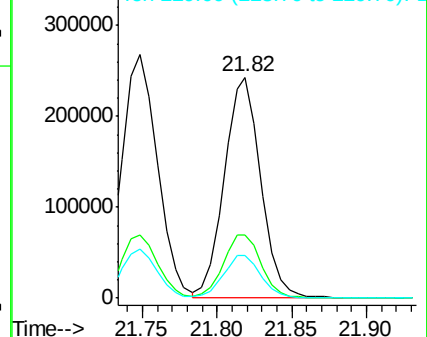
229 19.4 16.6 25.0

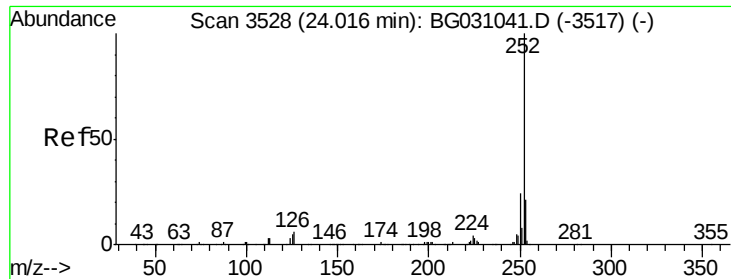


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

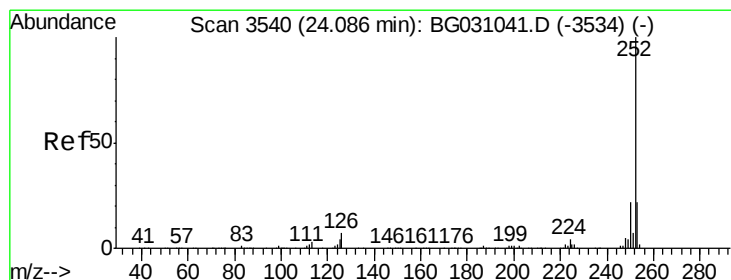
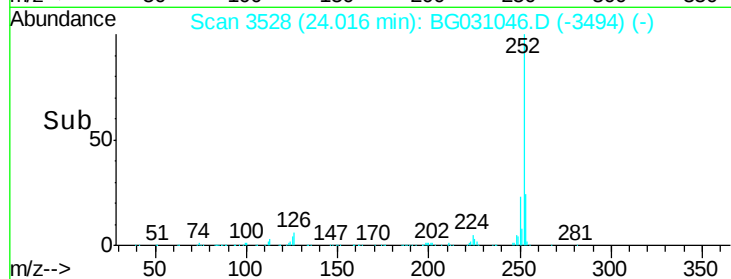
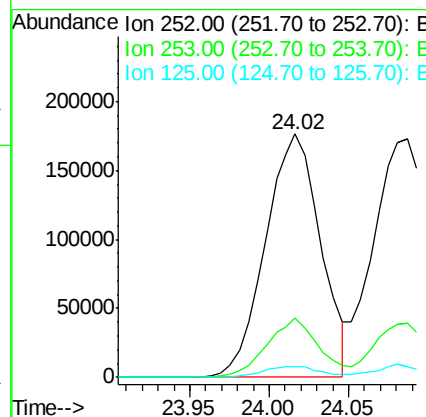
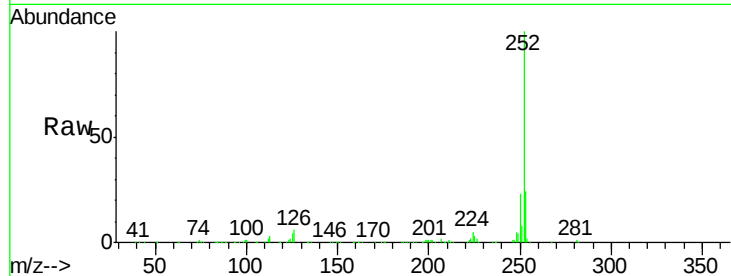




#24
Benzo(b)fluoranthene
Concen: 19.49 ng/ul
RT: 24.02 min Scan# 3528
Delta R.T. 0.00 min
Lab File: BG031046.D
Acq: 16 Nov 2017 16:14

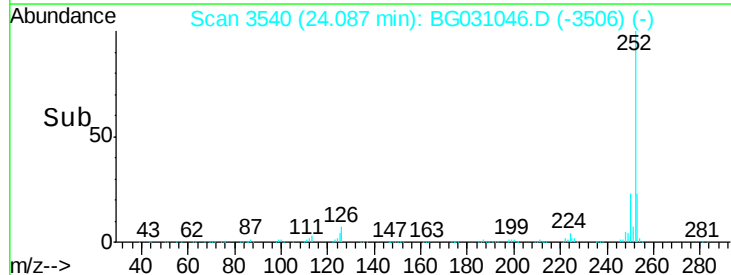
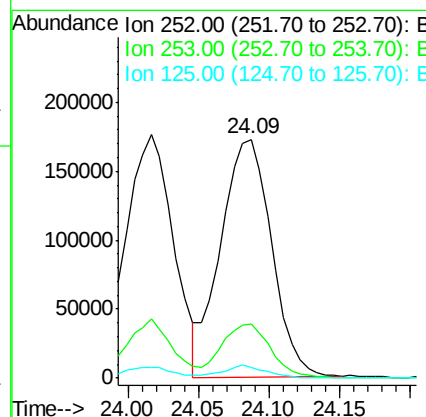
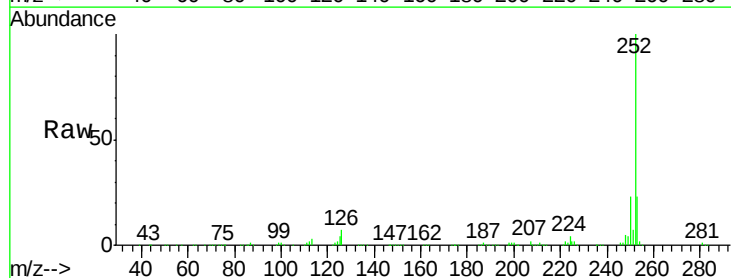
Instrument :
BNA_G
ClientSampleId :
SSTD02061

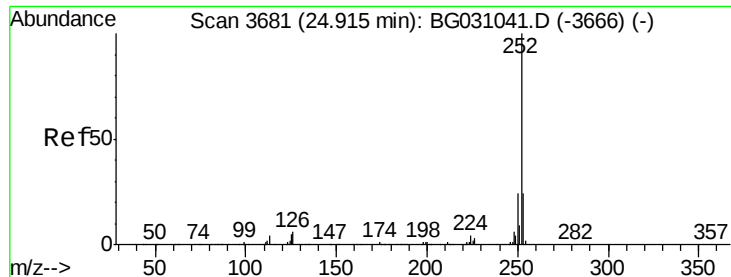
Tot Ion:252 Resp: 425317
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 4.4 9.4 14.0#



#25
Benzo(k)fluoranthene
Concen: 20.05 ng/ul
RT: 24.09 min Scan# 3540
Delta R.T. 0.00 min
Lab File: BG031046.D
Acq: 16 Nov 2017 16:14

Tgt Ion:252 Resp: 431060
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 4.2 8.8 13.2#





#27

Benzo(a)pyrene

Concen: 20.05 ng/ul

RT: 24.92 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Instrument :

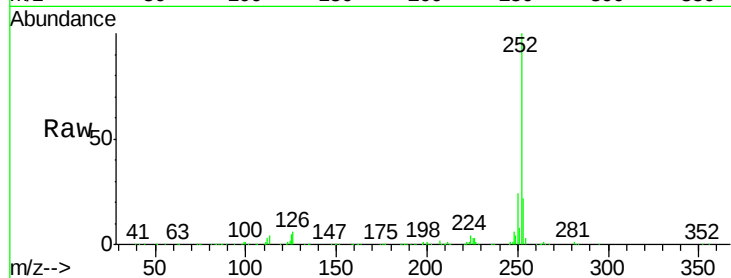
BNA_G

ClientSampleId :

SSTD02061

Tot Ion:252 Resp: 419350

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	4.7	9.4	14.2#

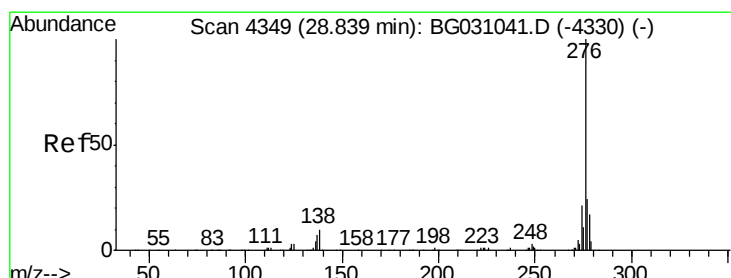
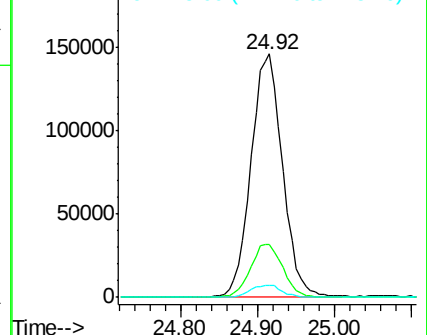
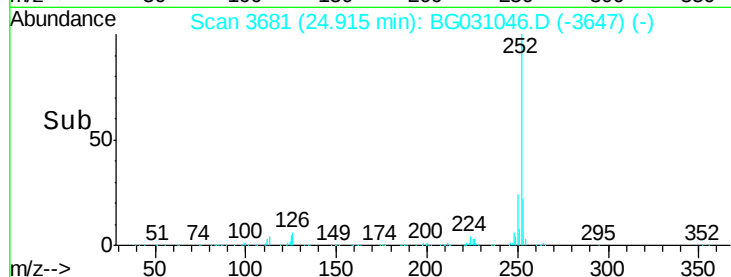


Abundance

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: 19.91 ng/ul

RT: 28.84 min Scan# 4349

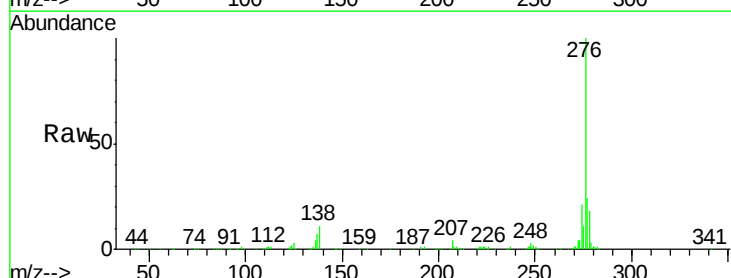
Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Tgt Ion:276 Resp: 474547

Ion	Ratio	Lower	Upper
276	100		
138	10.7	17.8	26.6#
277	24.3	19.4	29.0

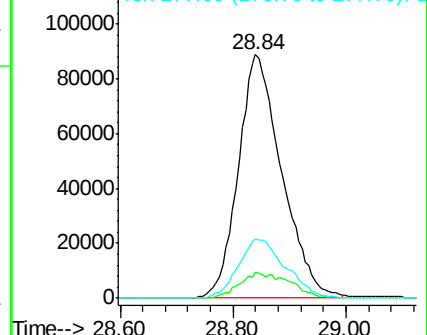
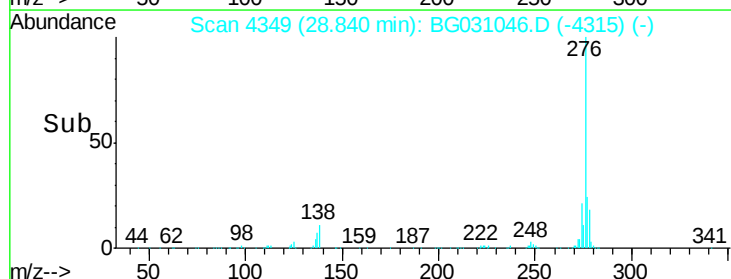


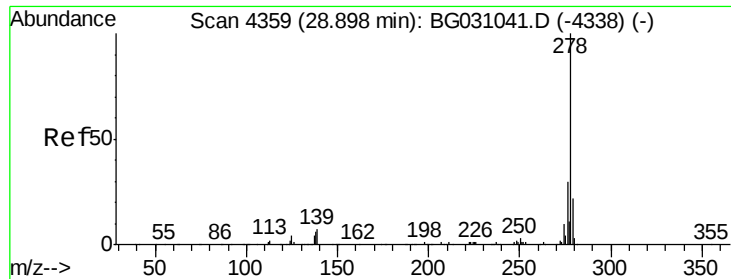
Abundance

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: 20.02 ng/ul

RT: 28.90 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

Instrument :

BNA_G

ClientSampleId :

SSTD02061

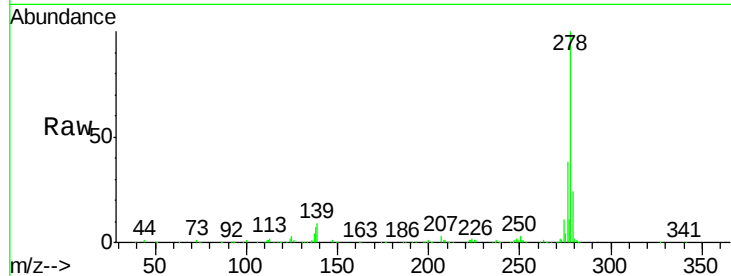
Tot Ion:278 Resp: 395198

Ion Ratio Lower Upper

278 100

139 9.3 14.0 21.0#

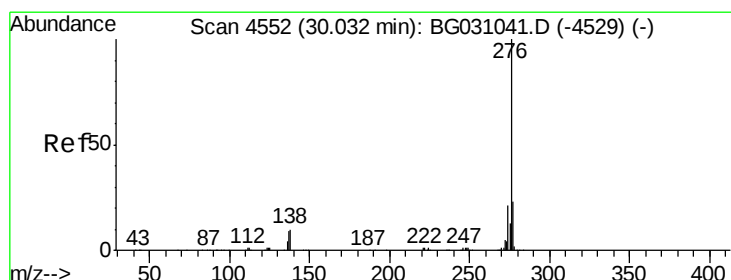
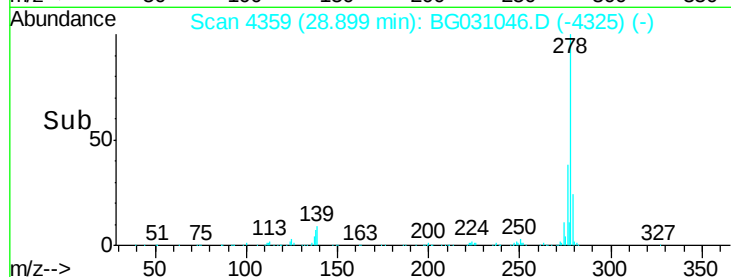
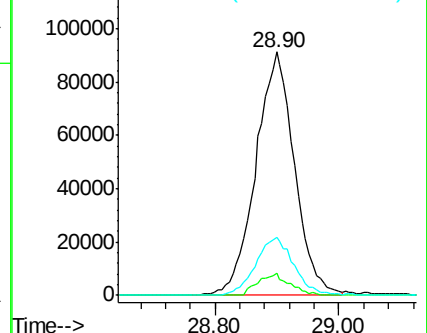
279 23.6 20.6 31.0



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: 20.03 ng/ul

RT: 30.03 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BG031046.D

Acq: 16 Nov 2017 16:14

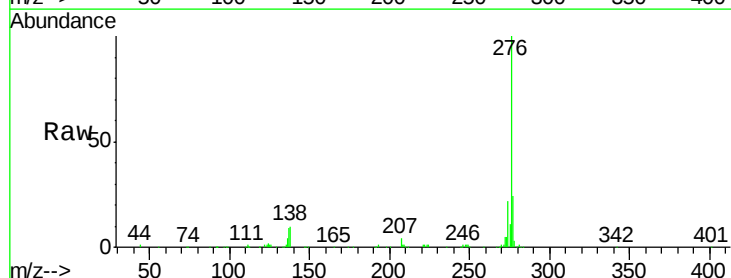
Tgt Ion:276 Resp: 397614

Ion Ratio Lower Upper

276 100

138 9.6 19.0 28.4#

277 23.8 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

