

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
 Data File : BG031150.D
 Acq On : 21 Nov 2017 3:14
 Operator : SJ/JU
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02070

Quant Time: Nov 21 07:09:42 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 21 07:04:01 2017
 Response via : Initial Calibration

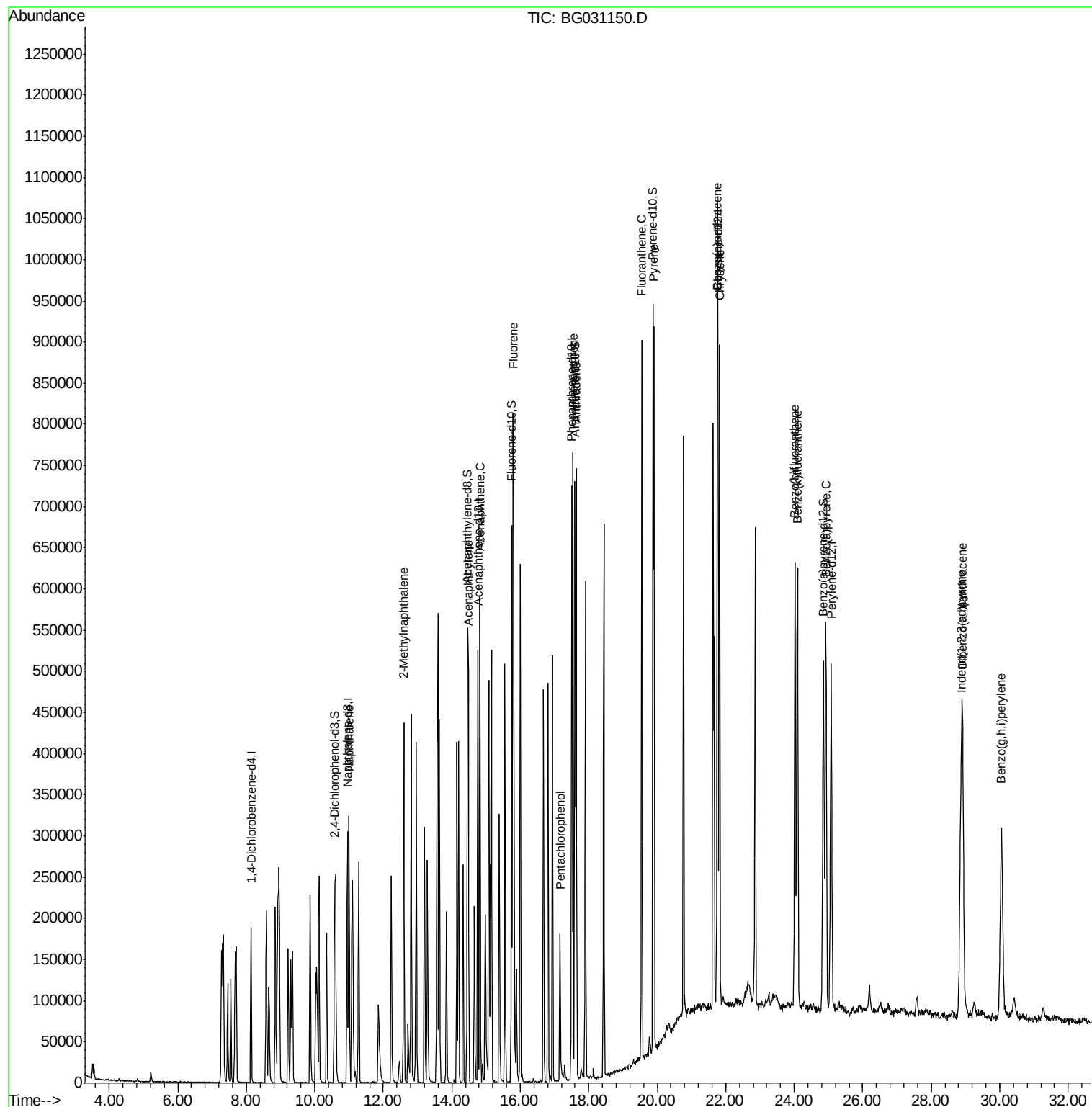
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	59927	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	284214	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	192904	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	457249	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	456508	20.00	ng/ul	0.00
23) Perylene-d12	25.08	264	463323	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	103984	19.39	ng/uL	0.00
7) Acenaphthylene-d8	14.46	160	410739	20.47	ng/ul	0.00
10) Fluorene-d10	15.75	176	304198	18.88	ng/ul	0.00
15) Anthracene-d10	17.60	188	447453	19.55	ng/ul	0.00
19) Pyrene-d10	19.87	212	499814	23.97	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	454772	19.84	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.00	128	279483	20.54	ng/ul	98
5) 2-Methylnaphthalene	12.60	142	220904	19.68	ng/ul	96
8) Acenaphthylene	14.48	152	371362	21.14	ng/ul	99
9) Acenaphthene	14.82	153	258438	20.38	ng/ul	98
11) Fluorene	15.80	166	297299	18.51	ng/ul	96
13) Pentachlorophenol	17.16	266	43957	16.48	ng/uL	95
14) Phenanthrene	17.54	178	488017	19.89	ng/ul	99
16) Anthracene	17.64	178	488165	19.59	ng/ul	99
17) Fluoranthene	19.54	202	586681	17.18	ng/ul#	90
20) Pyrene	19.90	202	578368	23.87	ng/ul#	90
21) Benzo(a)anthracene	21.75	228	587195	21.11	ng/ul	99
22) Chrysene	21.82	228	541191	20.46	ng/ul	98
24) Benzo(b)fluoranthene	24.03	252	562802	20.10	ng/ul#	95
25) Benzo(k)fluoranthene	24.09	252	556230	20.17	ng/ul#	95
27) Benzo(a)pyrene	24.92	252	549256	20.47	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	28.87	276	616288	20.15	ng/ul#	93
29) Dibenzo(a,h)anthracene	28.92	278	515039	20.34	ng/ul#	92
30) Benzo(g,h,i)perylene	30.05	276	487437	19.14	ng/ul#	91

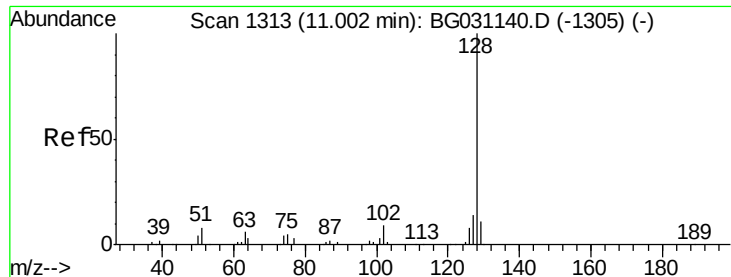
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.54 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

Instrument :

BNA_G

ClientSampleId :

SSTD02070

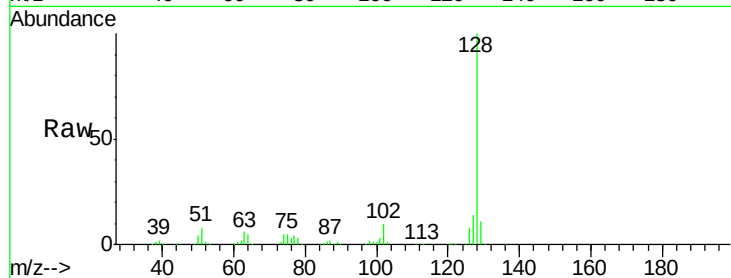
Tot Ion:128 Resp: 279483

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

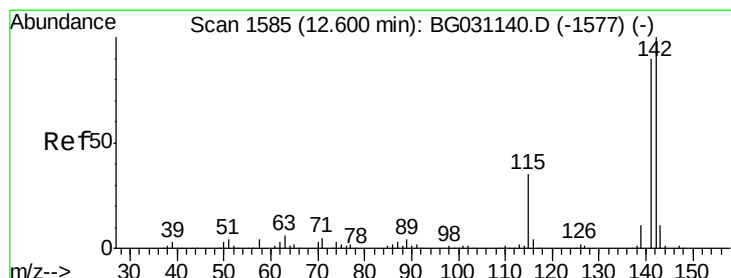
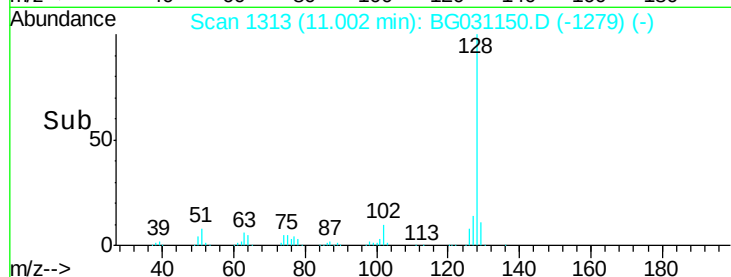
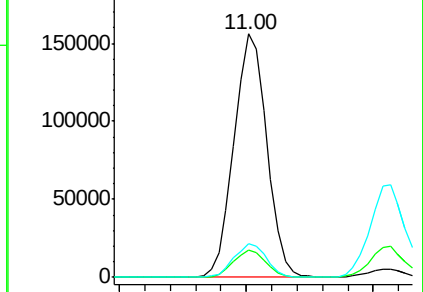
127 14.0 10.6 15.8



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: 19.68 ng/ul

RT: 12.60 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BG031150.D

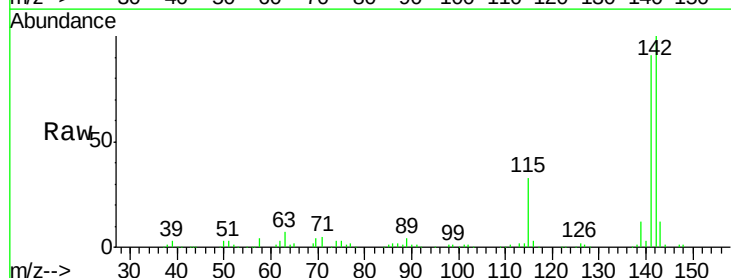
Acq: 21 Nov 2017 3:14

Tgt Ion:142 Resp: 220904

Ion Ratio Lower Upper

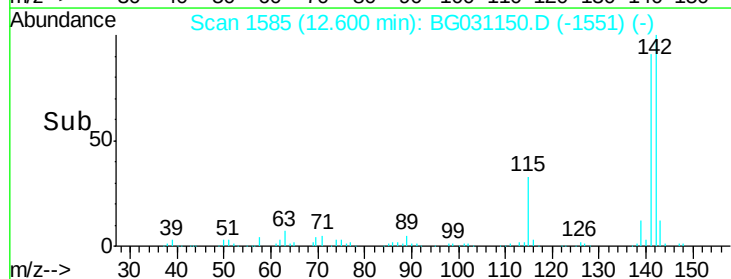
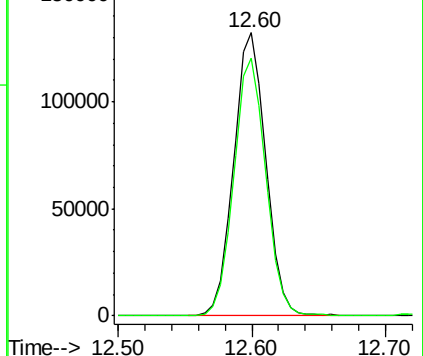
142 100

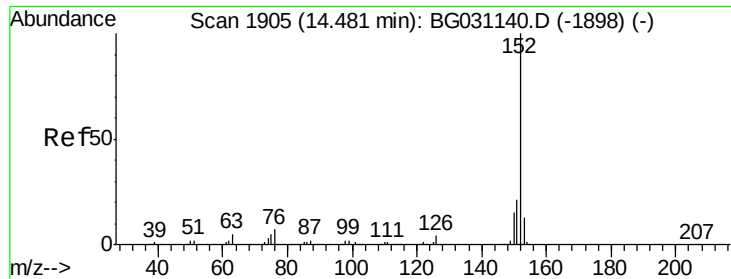
141 91.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.14 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

Instrument :

BNA_G

ClientSampleId :

SSTD02070

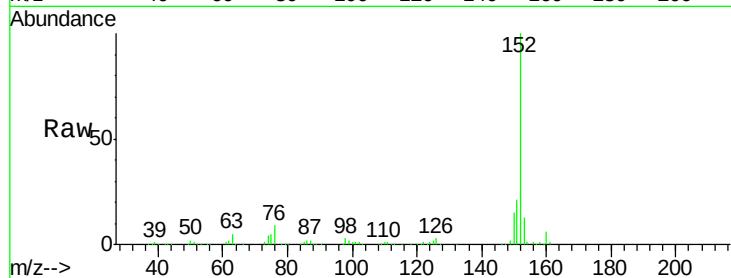
Tot Ion:152 Resp: 371362

Ion Ratio Lower Upper

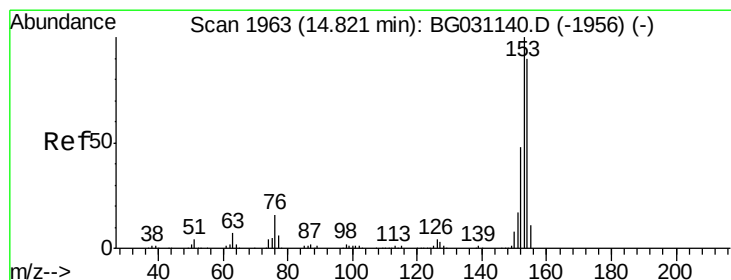
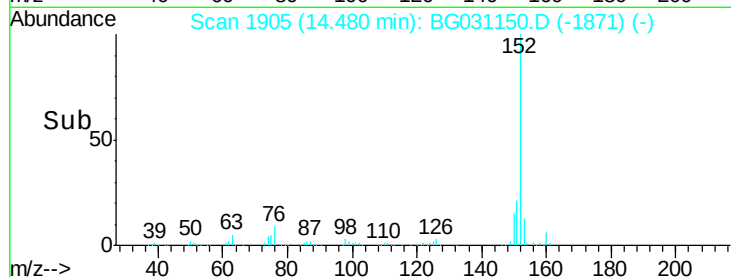
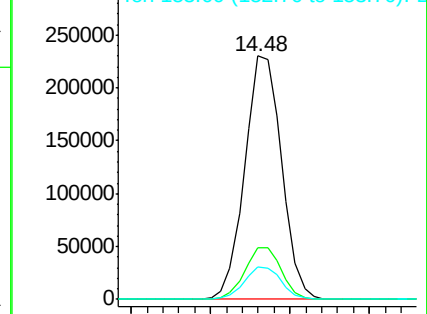
152 100

151 21.1 17.5 26.3

153 13.1 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: 20.38 ng/ul

RT: 14.82 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

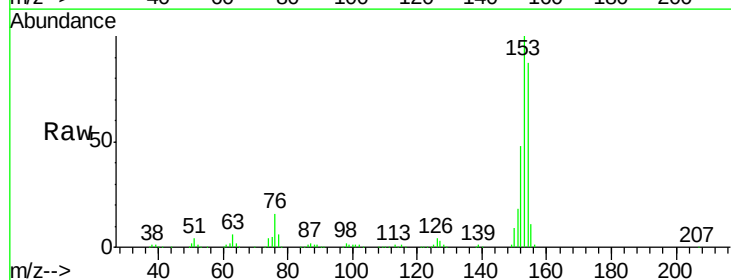
Tgt Ion:153 Resp: 258438

Ion Ratio Lower Upper

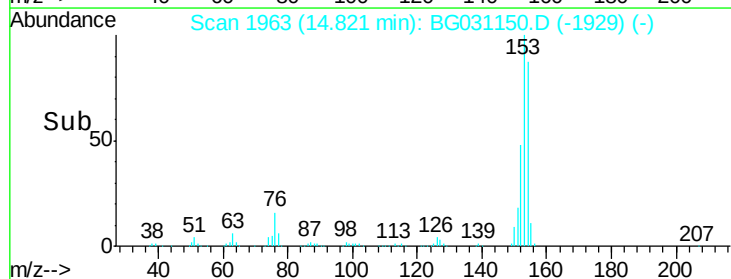
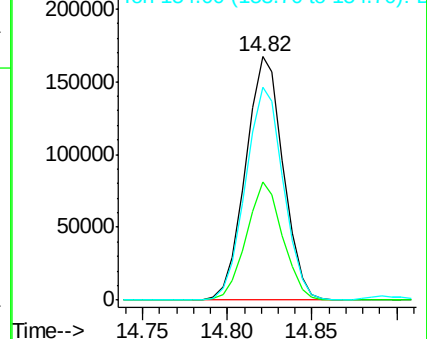
153 100

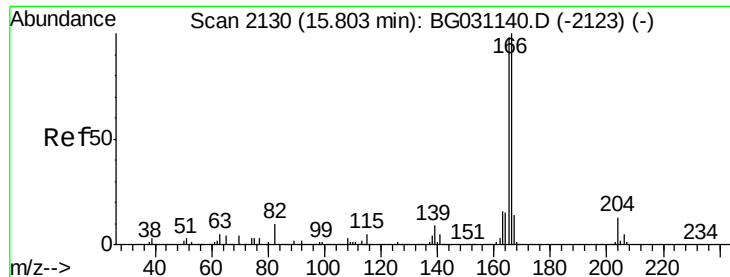
152 48.4 37.9 56.9

154 87.3 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: 18.51 ng/ul

RT: 15.80 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

Instrument :

BNA_G

ClientSampleId :

SSTD02070

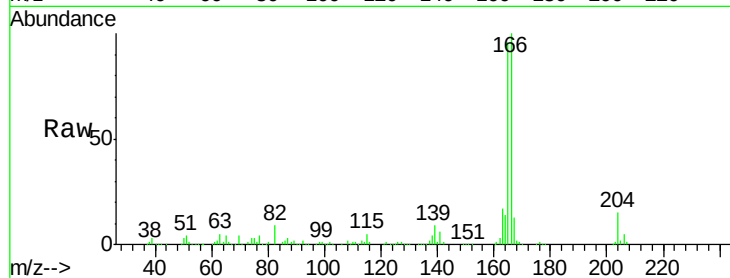
Tot Ion:166 Resp: 297299

Ion Ratio Lower Upper

166 100

165 95.9 80.0 120.0

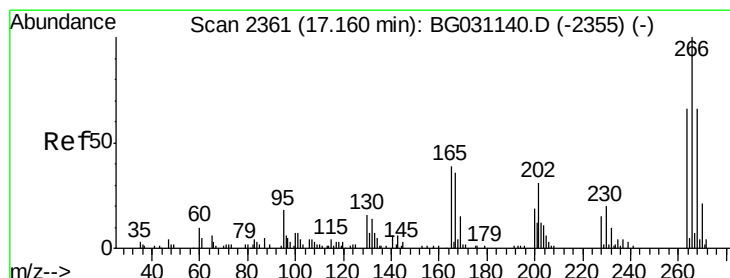
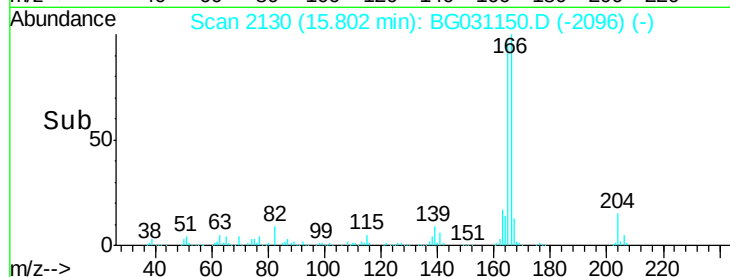
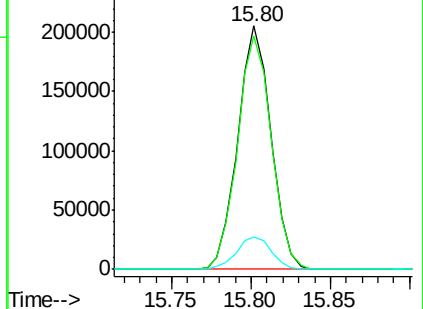
167 13.3 11.6 17.4



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: 16.48 ng/uL

RT: 17.16 min Scan# 2361

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

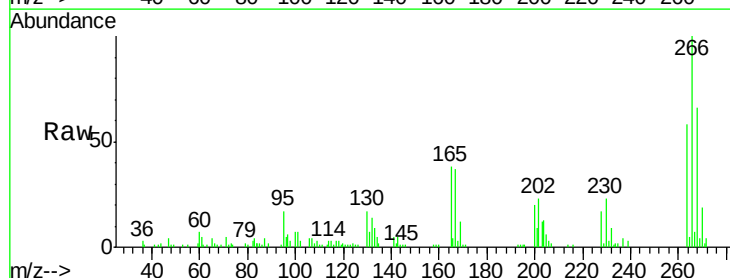
Tgt Ion:266 Resp: 43957

Ion Ratio Lower Upper

266 100

264 58.4 52.0 78.0

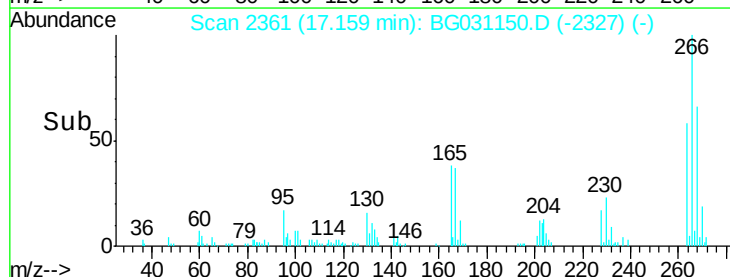
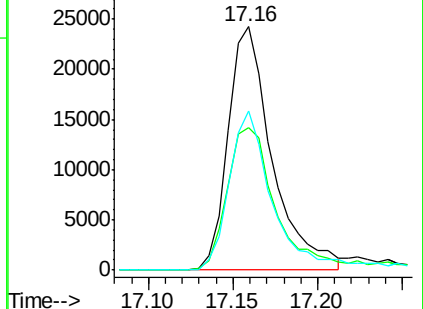
268 65.6 51.2 76.8

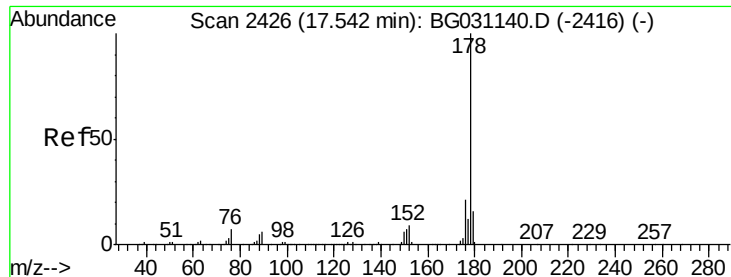


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.89 ng/ul

RT: 17.54 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

Instrument :

BNA_G

ClientSampleId :

SSTD02070

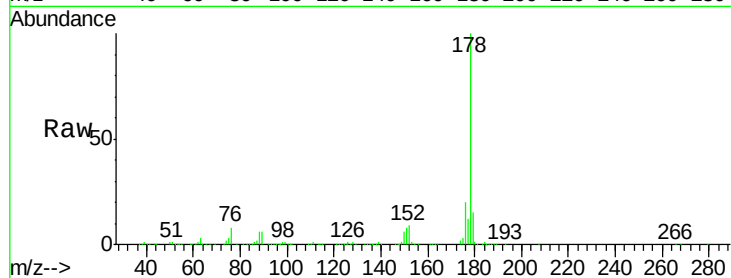
Tot Ion:178 Resp: 488017

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

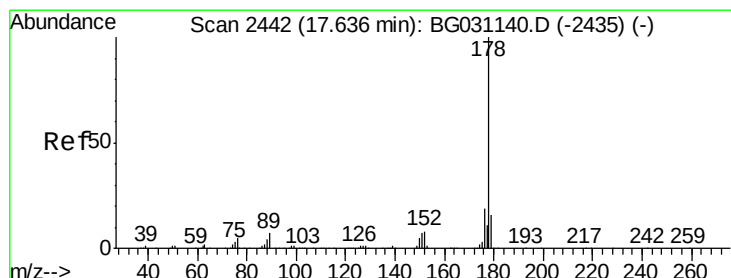
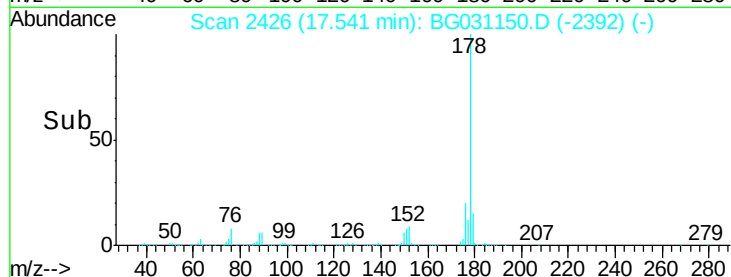
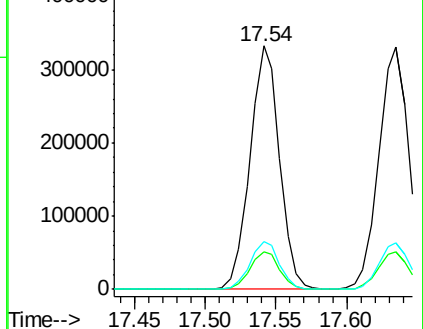
176 19.8 16.4 24.6



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



#16

Anthracene

Concen: 19.59 ng/ul

RT: 17.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

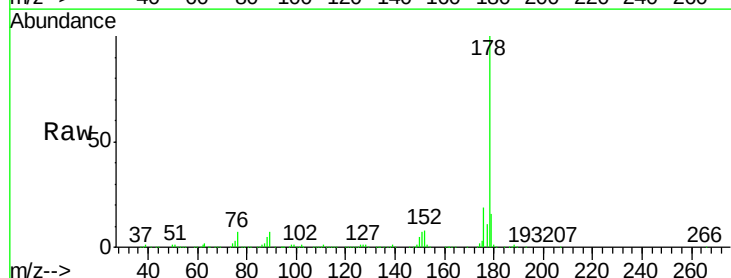
Tgt Ion:178 Resp: 488165

Ion Ratio Lower Upper

178 100

179 15.6 12.7 19.1

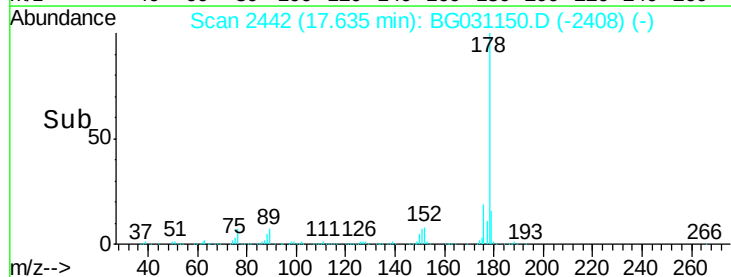
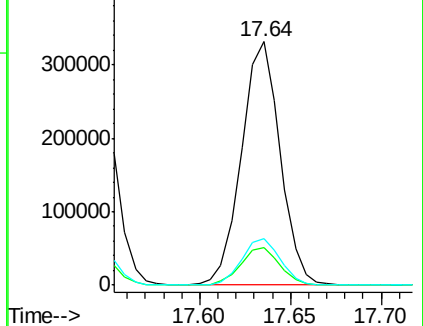
176 19.2 15.8 23.8

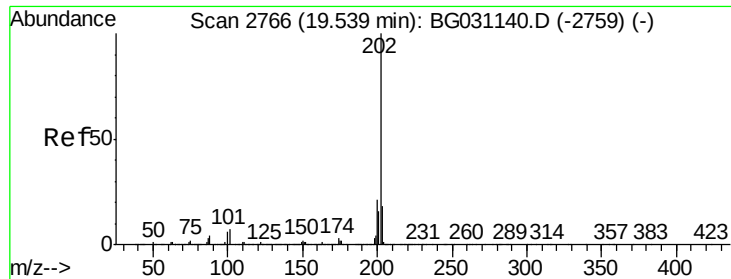


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

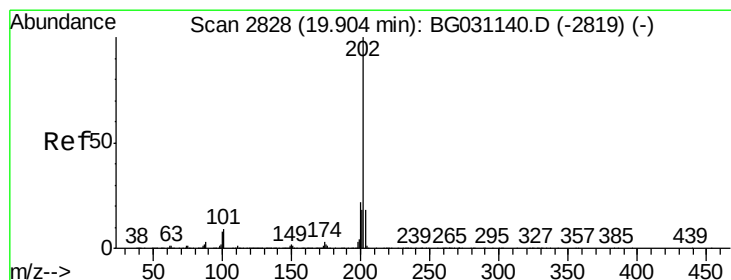
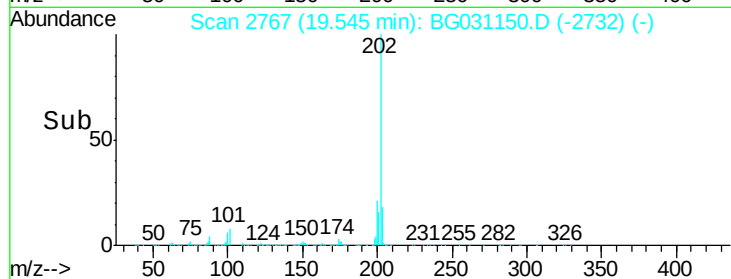
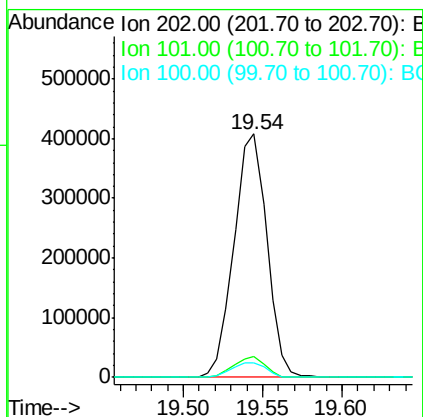
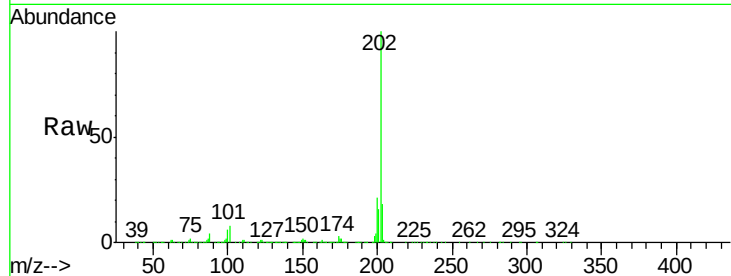




#17
 Fluoranthene
 Concen: 17.18 ng/ul
 RT: 19.54 min Scan# 2767
 Delta R.T. 0.01 min
 Lab File: BG031150.D
 Acq: 21 Nov 2017 3:14

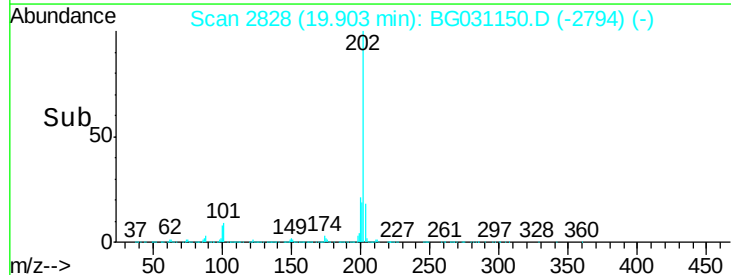
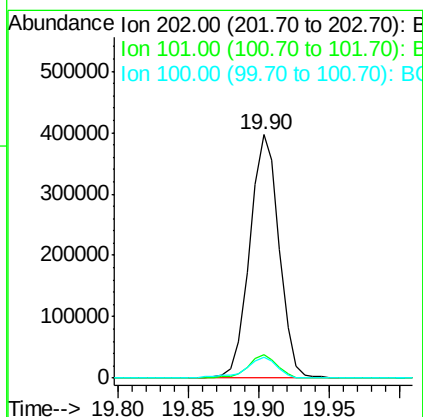
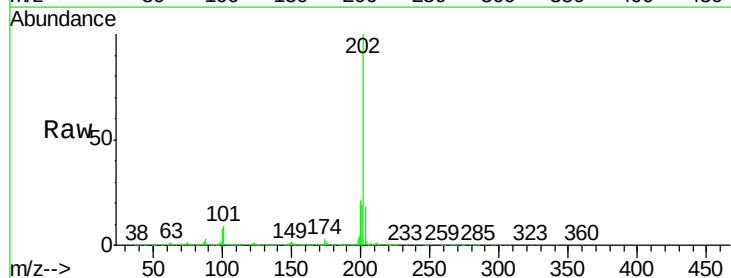
Instrument :
 BNA_G
 ClientSampled :
 SSTD02070

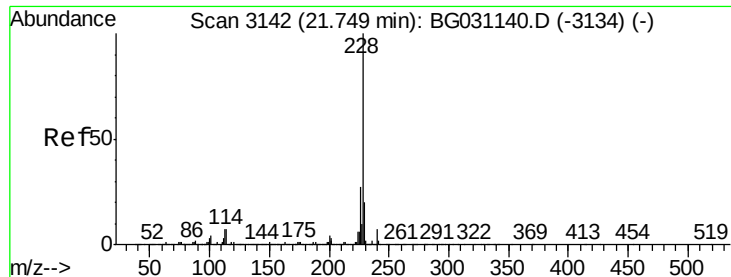
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.5	9.8	14.8#
100	6.1	7.5	11.3#



#20
 Pyrene
 Concen: 23.87 ng/ul
 RT: 19.90 min Scan# 2828
 Delta R.T. -0.00 min
 Lab File: BG031150.D
 Acq: 21 Nov 2017 3:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	11.2	16.8#
100	8.4	9.8	14.6#

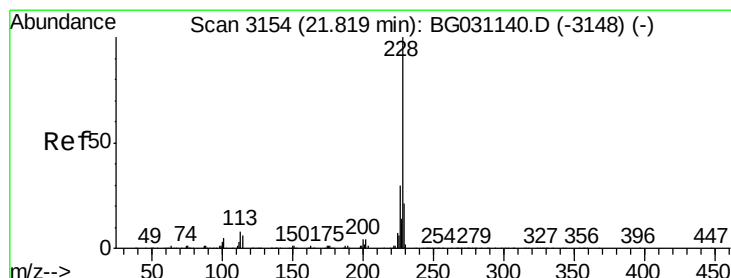
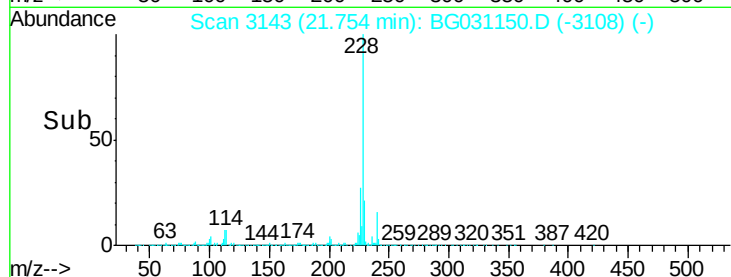
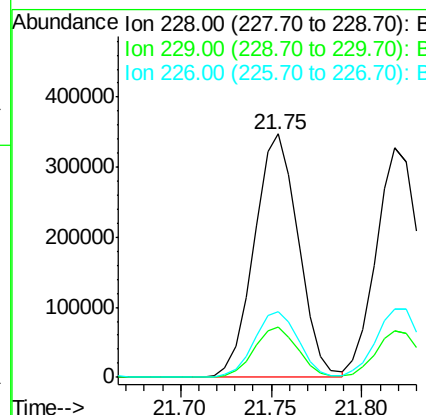
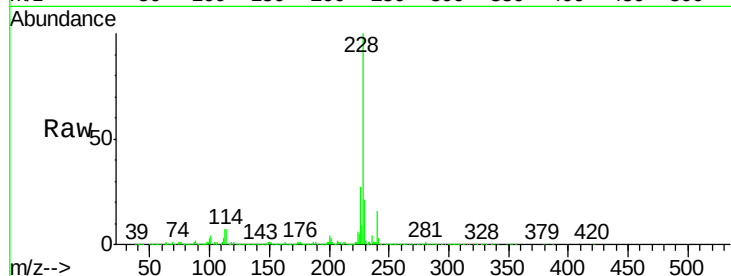




#21
Benzo(a)anthracene
Concen: 21.11 ng/ul
RT: 21.75 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BG031150.D
Acq: 21 Nov 2017 3:14

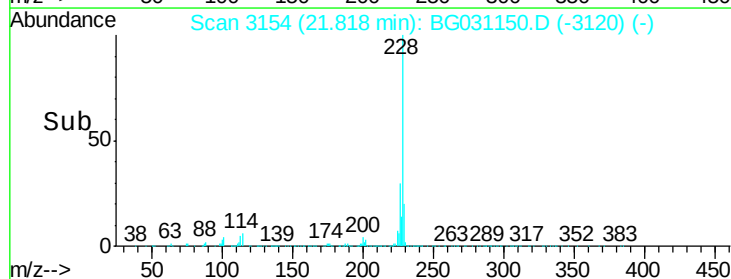
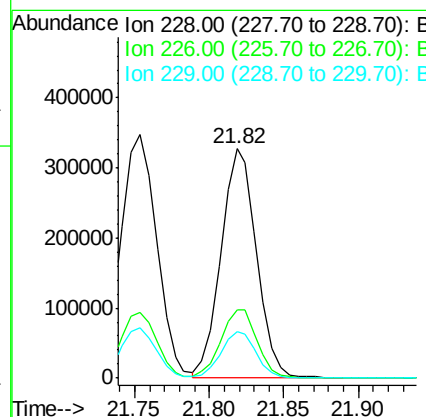
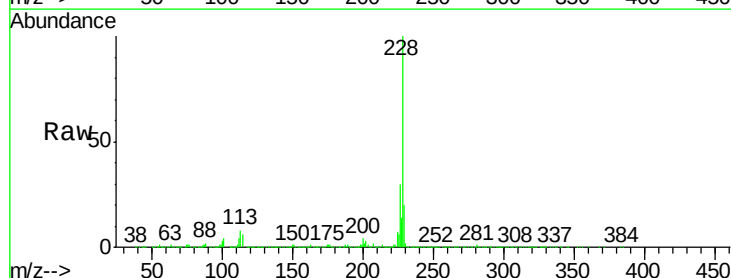
Instrument :
BNA_G
ClientSampleId :
SSTD02070

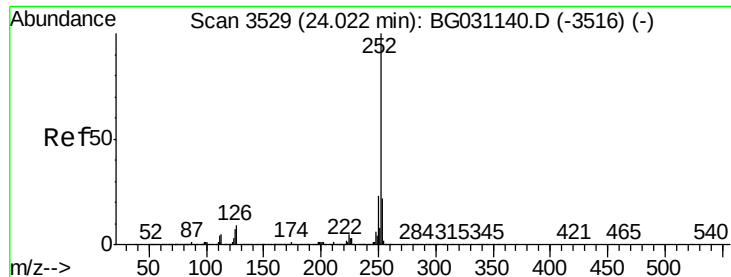
Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.9	23.9
226	27.2	22.1	33.1



#22
Chrysene
Concen: 20.46 ng/ul
RT: 21.82 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG031150.D
Acq: 21 Nov 2017 3:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.2	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 20.10 ng/ul

RT: 24.03 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

Instrument :

BNA_G

ClientSampleId :

SSTD02070

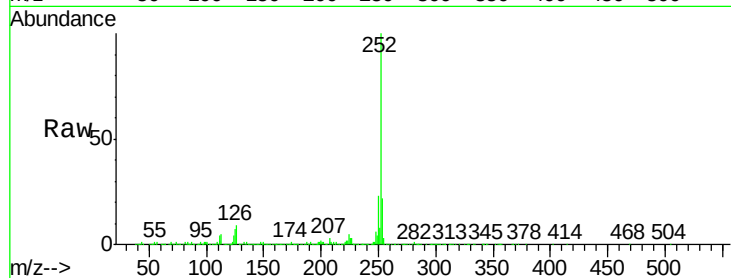
Tot Ion:252 Resp: 562802

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

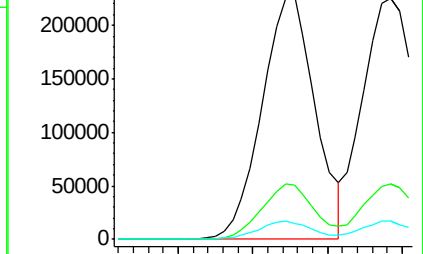
125 6.5 9.4 14.0#



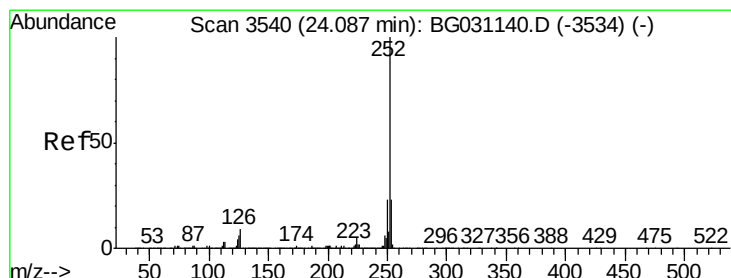
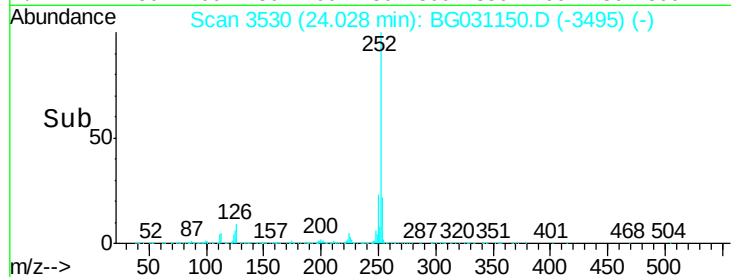
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(k)fluoranthene

Concen: 20.17 ng/ul

RT: 24.09 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

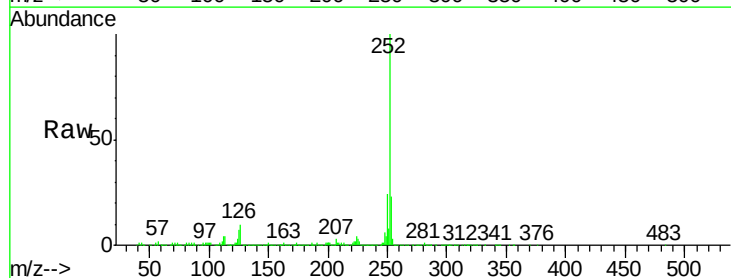
Tgt Ion:252 Resp: 556230

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

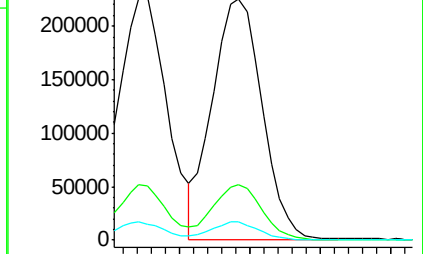
125 7.4 8.8 13.2#



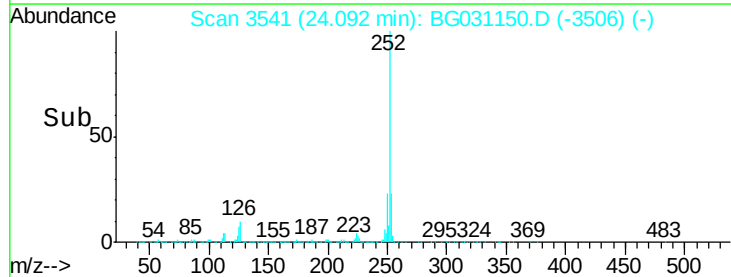
Abundance Ion 252.00 (251.70 to 252.70): E

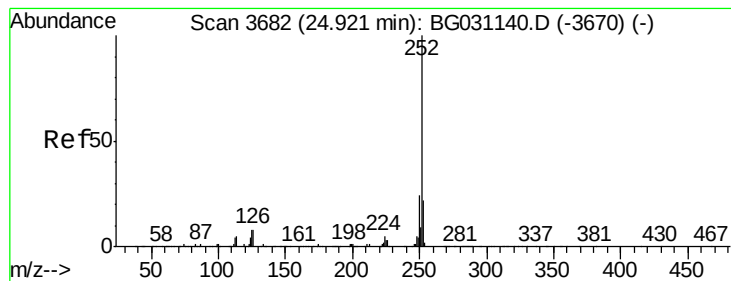
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#27

Benzo(a)pyrene

Concen: 20.47 ng/ul

RT: 24.92 min Scan# 3682

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

Instrument :

BNA_G

ClientSampleId :

SSTD02070

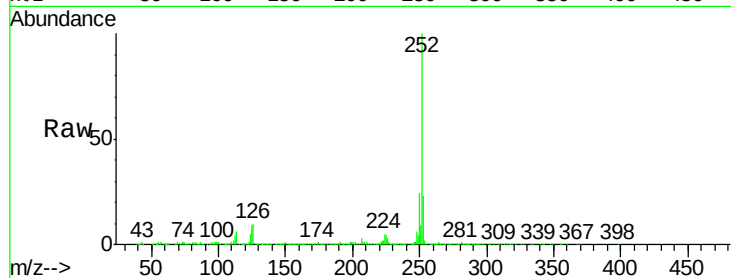
Tot Ion:252 Resp: 549256

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

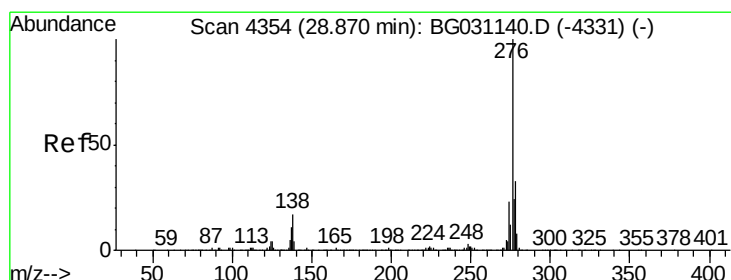
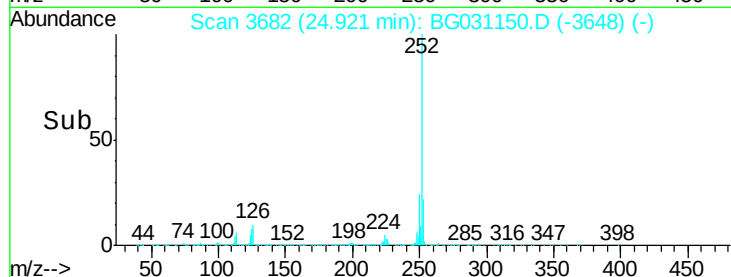
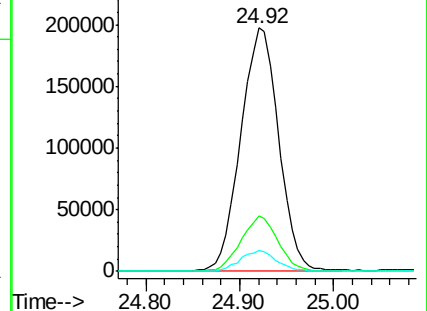
125 8.5 9.4 14.2#



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: 20.15 ng/ul

RT: 28.87 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

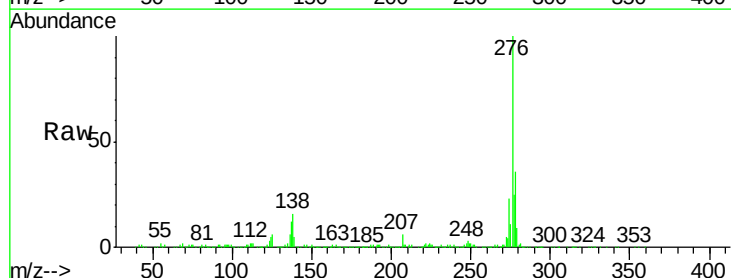
Tgt Ion:276 Resp: 616288

Ion Ratio Lower Upper

276 100

138 16.3 17.8 26.6#

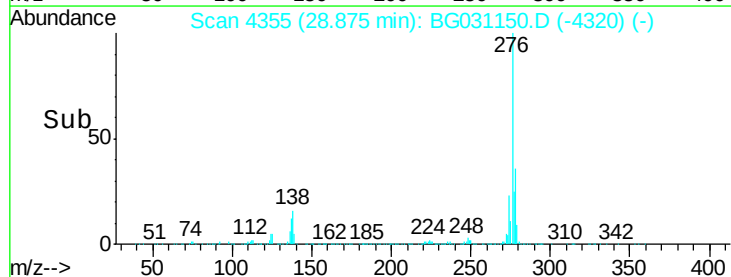
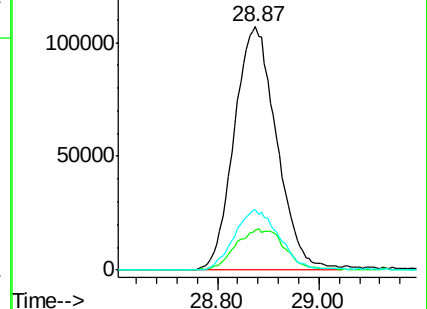
277 24.9 19.4 29.0

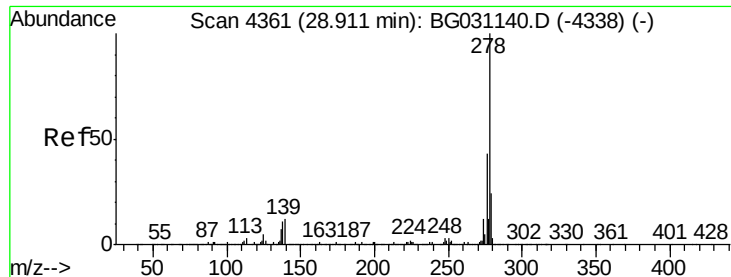


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.34 ng/ul

RT: 28.92 min Scan# 4363

Delta R.T. 0.01 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

Instrument :

BNA_G

ClientSampleId :

SSTD02070

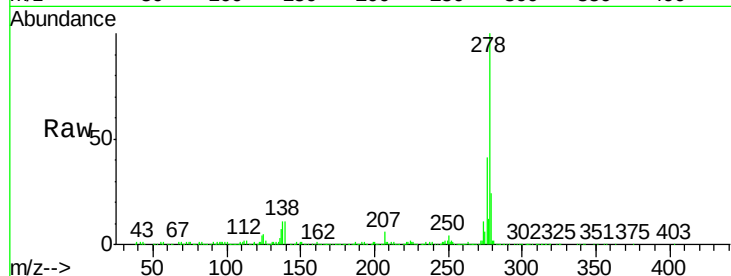
Tot Ion:278 Resp: 515039

Ion Ratio Lower Upper

278 100

139 11.5 14.0 21.0#

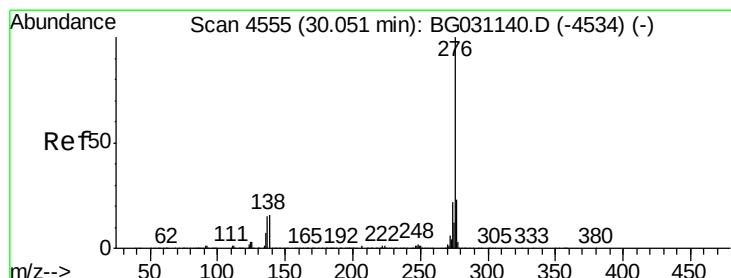
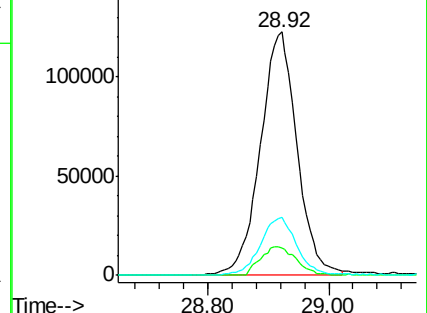
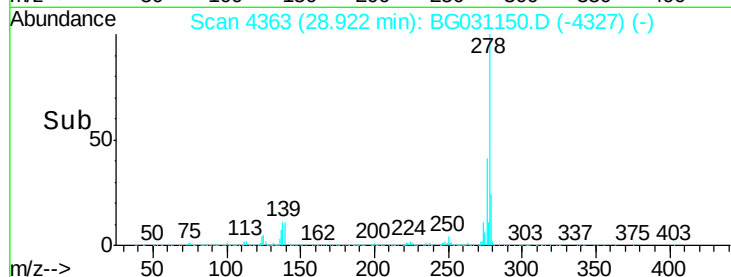
279 23.8 20.6 31.0



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: 19.14 ng/ul

RT: 30.05 min Scan# 4555

Delta R.T. -0.00 min

Lab File: BG031150.D

Acq: 21 Nov 2017 3:14

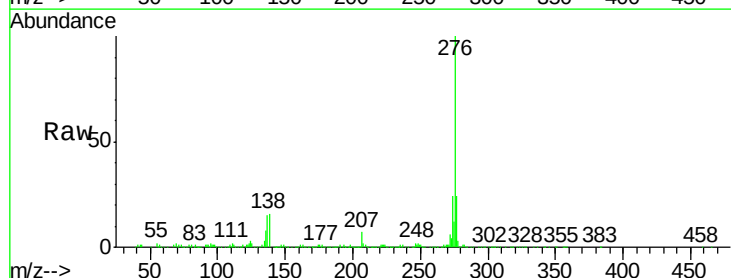
Tgt Ion:276 Resp: 487437

Ion Ratio Lower Upper

276 100

138 16.0 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

