

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
 Data File : BG029134.D
 Acq On : 10 Oct 2017 10:27
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02066

Quant Time: Oct 11 04:13:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 06:24:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	52994	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	225986	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	152078	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	358220	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	390313	20.00	ng/ul	0.00
22) Perylene-d12	25.19	264	406588	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.52	160	315021	19.92	ng/ul	0.00
10) Fluorene-d10	15.81	176	241152	21.02	ng/ul	0.00
14) Anthracene-d10	17.67	188	365483	21.06	ng/ul	0.00
18) Pyrene-d10	19.93	212	428279	21.45	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.96	264	404622	20.77	ng/ul	0.01

Target Compounds

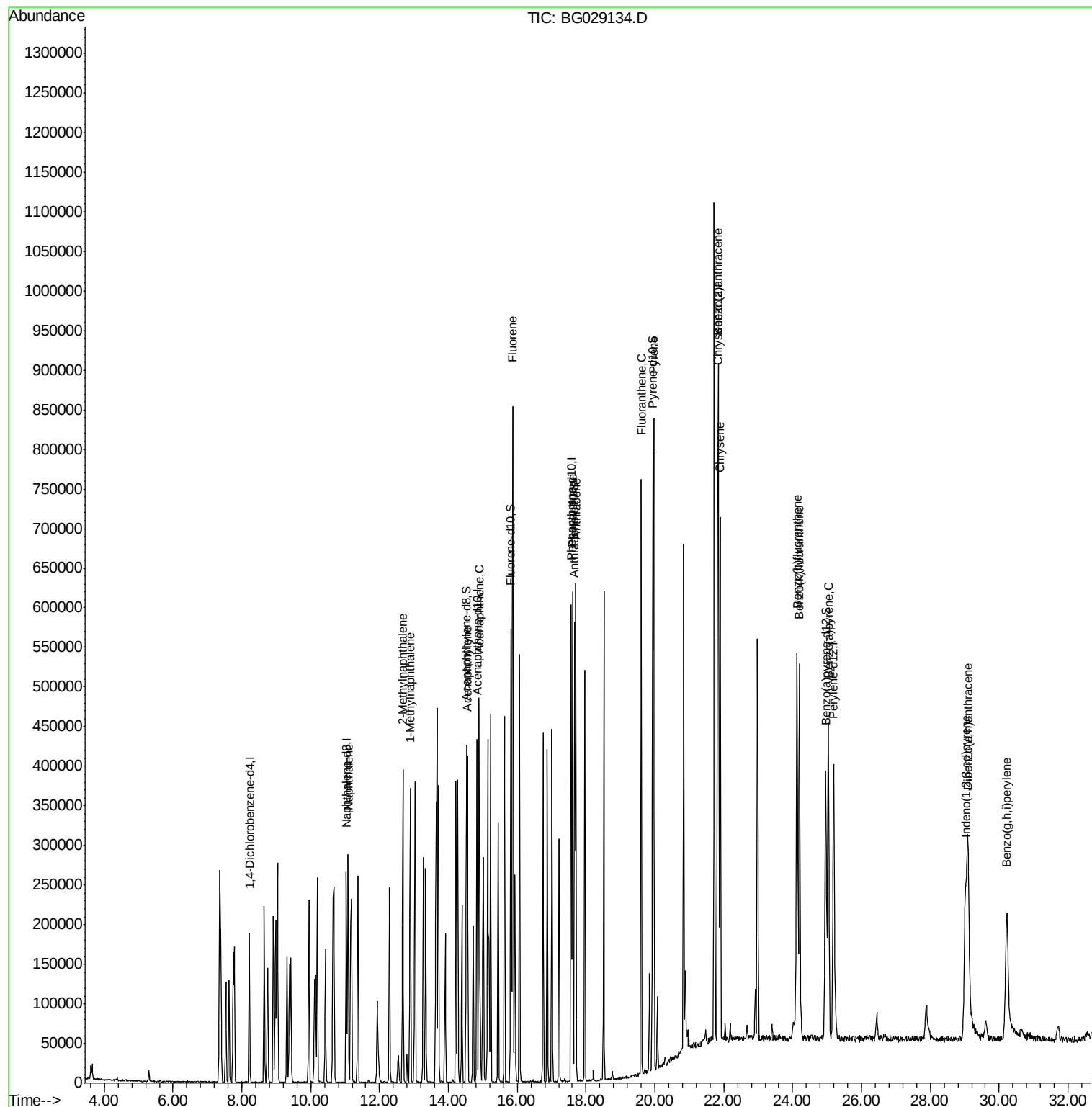
					Ovalue	
3) Naphthalene	11.09	128	240734	20.462	ng/ul	99
4) 2-Methylnaphthalene	12.67	142	183842	20.589	ng/ul	97
5) 1-Methylnaphthalene	12.89	142	175471	20.590	ng/ul#	94
8) Acenaphthylene	14.55	152	297597	19.543	ng/ul	98
9) Acenaphthene	14.89	153	212167	20.472	ng/ul	96
11) Fluorene	15.87	166	247096	20.372	ng/ul	91
13) Phenanthrene	17.61	178	395816	20.716	ng/ul	98
15) Anthracene	17.70	178	411731	21.063	ng/ul	99
16) Fluoranthene	19.60	202	498829	22.271	ng/ul#	89
19) Pyrene	19.96	202	500212	20.559	ng/ul#	91
20) Benzo(a)anthracene	21.82	228	499800	21.743	ng/ul	98
21) Chrysene	21.89	228	445417	21.162	ng/ul	99
23) Benzo(b)fluoranthene	24.13	252	490229	20.155	ng/ul#	96
24) Benzo(k)fluoranthene	24.19	252	486535	20.495	ng/ul#	96
26) Benzo(a)pyrene	25.04	252	486873	20.608	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	29.03	276	525250	19.589	ng/ul#	92
28) Dibenzo(a,h)anthracene	29.09	278	457857	20.624	ng/ul#	95
29) Benzo(a,h,i)perylene	30.22	276	398974	18.044	ng/ul#	92

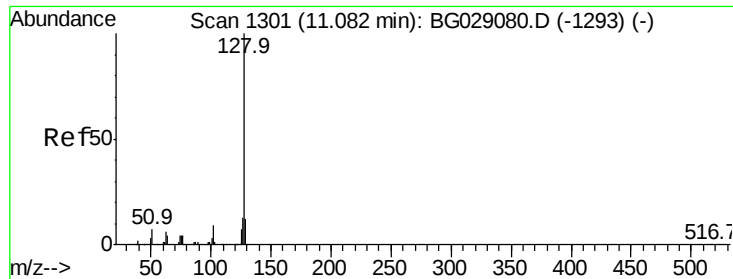
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.462 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

Instrument :

BNA_G

ClientSampleId :

SSTD02066

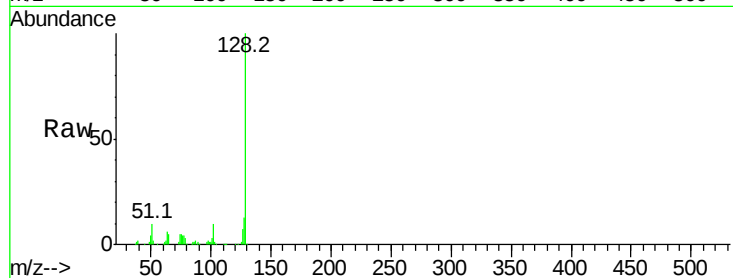
Tot Ion:128 Resp: 240734

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

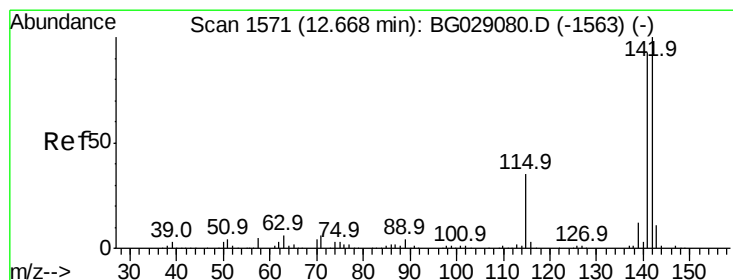
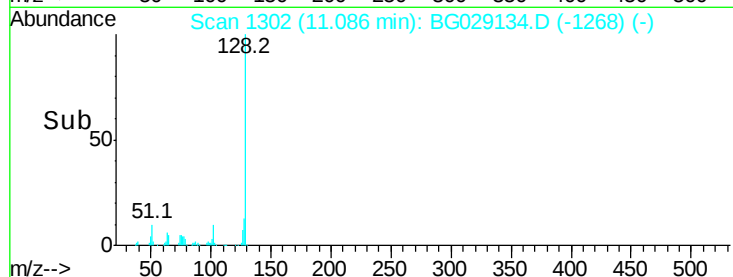
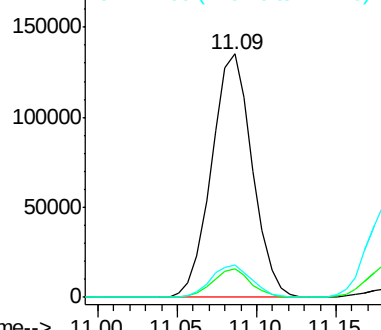
127 13.2 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 20.589 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BG029134.D

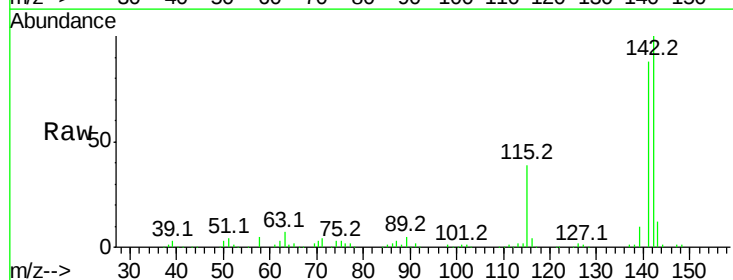
Acq: 10 Oct 2017 10:27

Tgt Ion:142 Resp: 183842

Ion Ratio Lower Upper

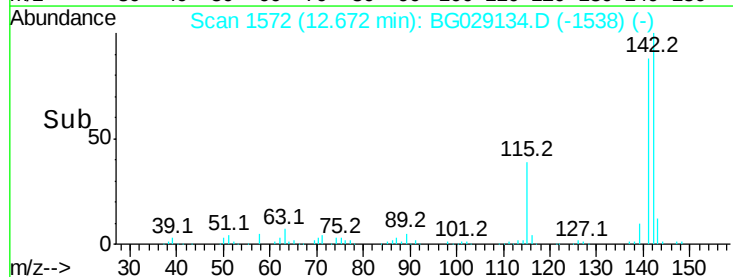
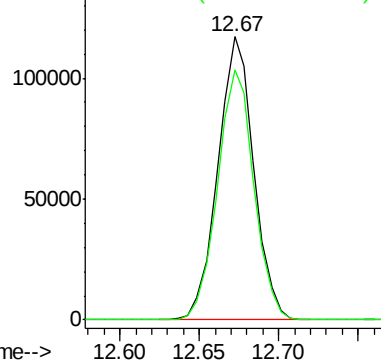
142 100

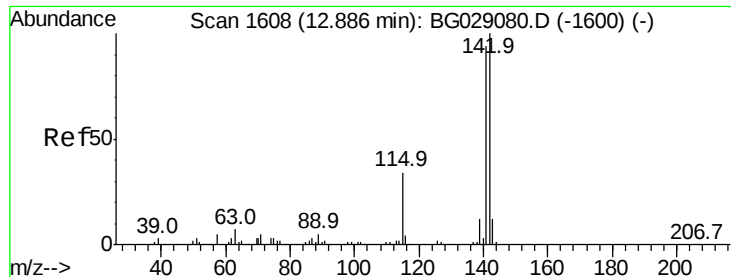
141 88.2 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.590 ng/ul

RT: 12.89 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

Instrument :

BNA_G

ClientSampled :

SSTD02066

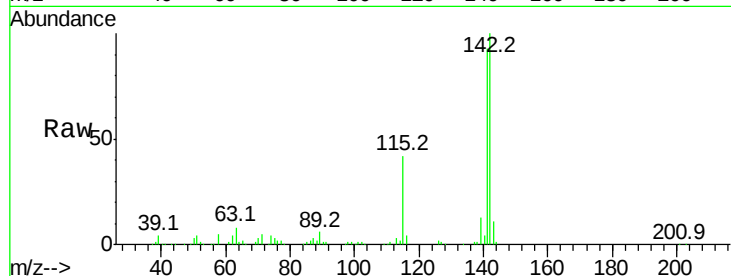
Tot Ion:142 Resp: 175471

Ion Ratio Lower Upper

142 100

141 93.1 79.3 118.9

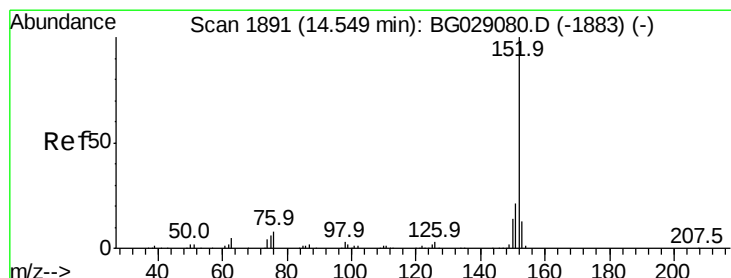
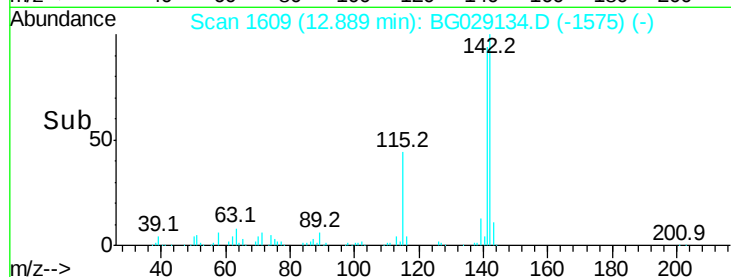
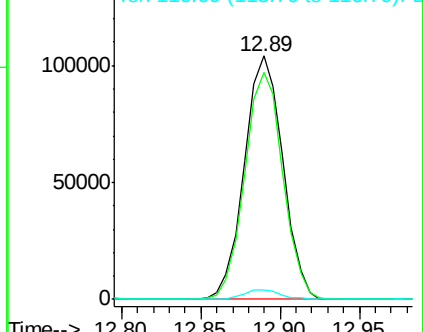
116 3.8 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 19.543 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

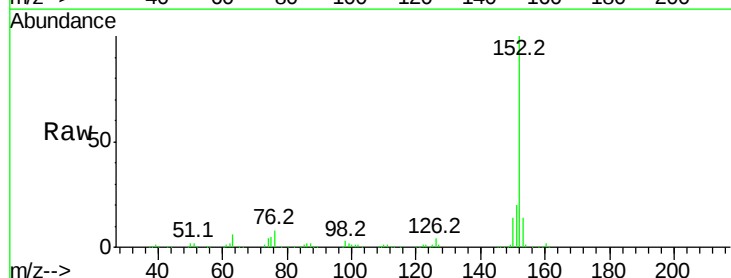
Tgt Ion:152 Resp: 297597

Ion Ratio Lower Upper

152 100

151 20.1 16.7 25.1

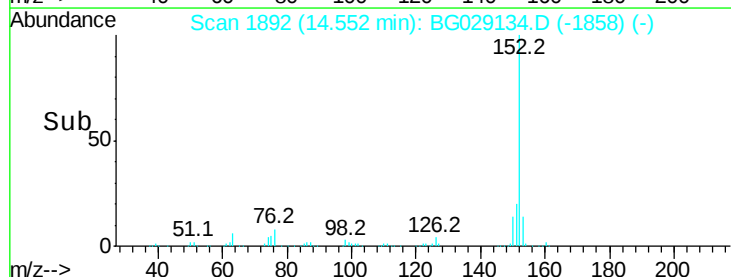
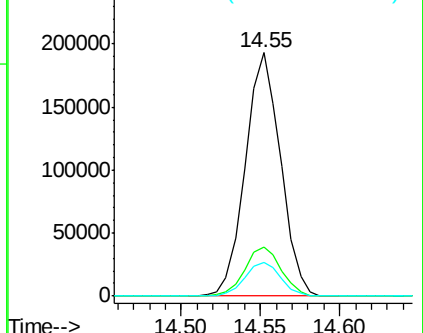
153 14.0 10.2 15.4

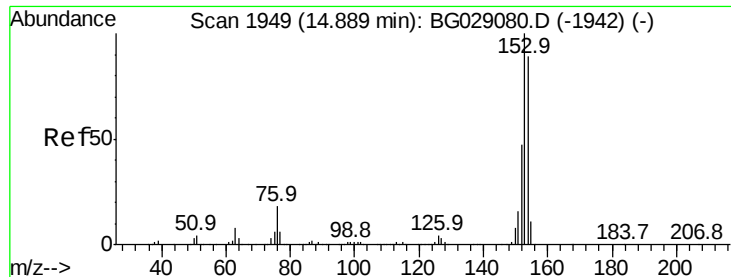


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.472 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

Instrument :

BNA_G

ClientSampleId :

SSTD02066

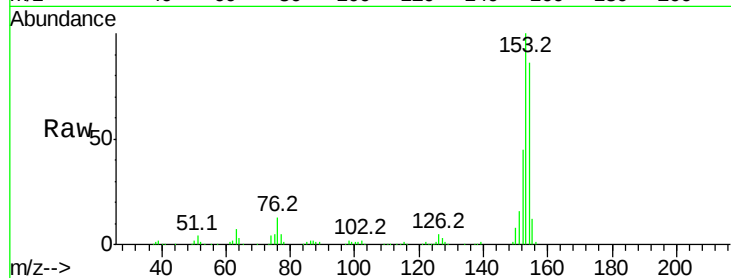
Tot Ion:153 Resp: 212167

Ion Ratio Lower Upper

153 100

152 45.2 39.0 58.6

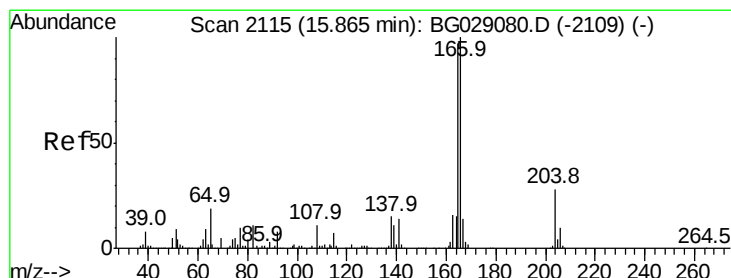
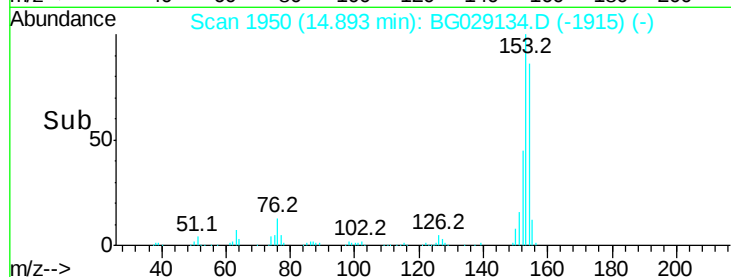
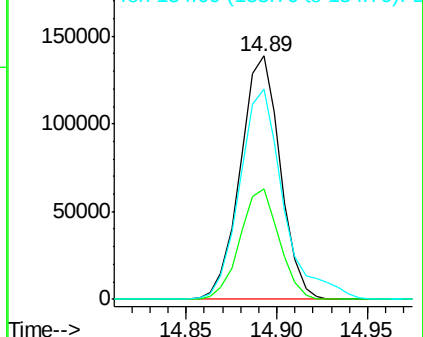
154 86.5 66.8 100.2



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: 20.372 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

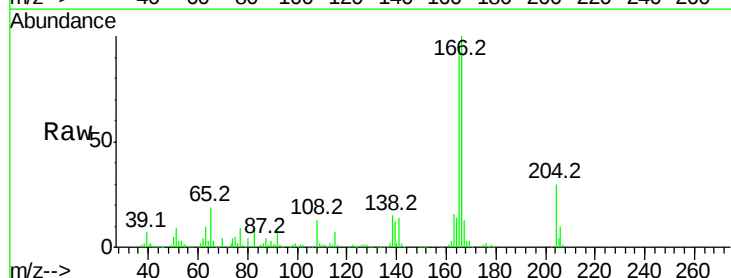
Tgt Ion:166 Resp: 247096

Ion Ratio Lower Upper

166 100

165 95.1 83.8 125.8

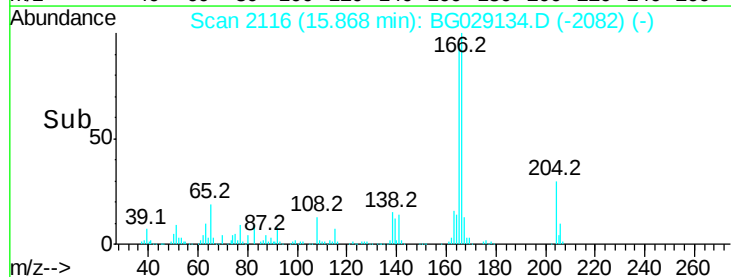
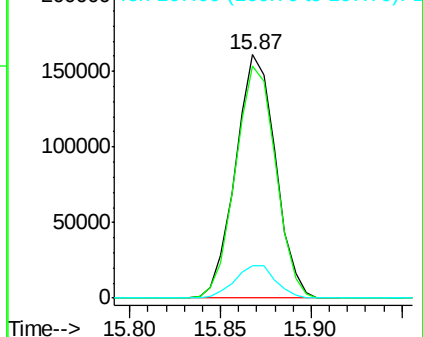
167 13.2 11.5 17.3

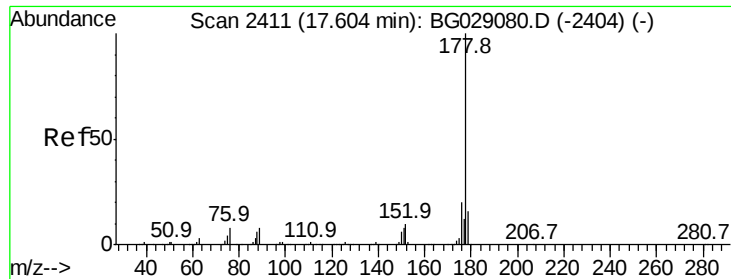


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

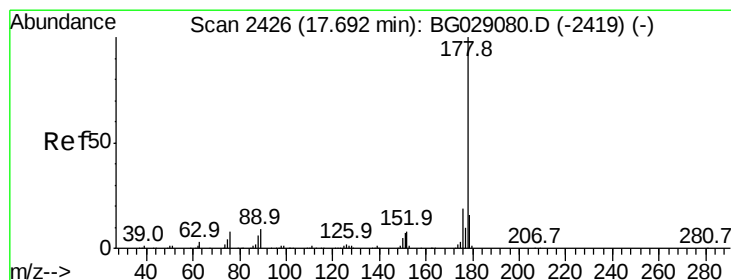
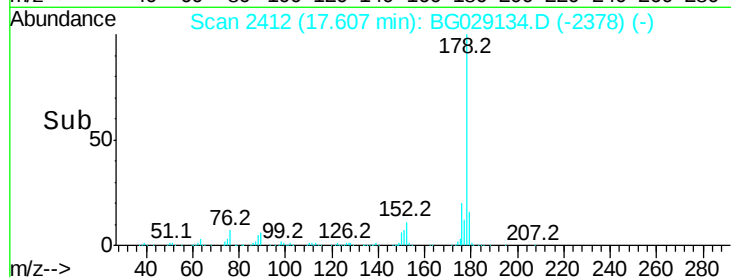
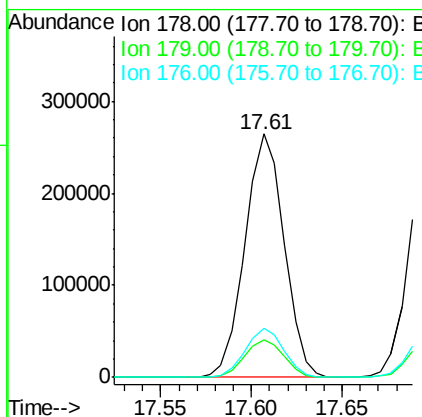
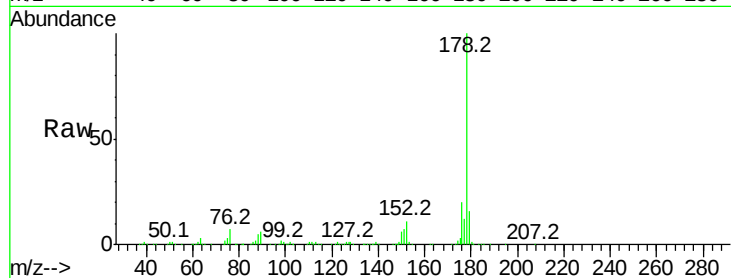




#13
Phenanthrene
Concen: 20.716 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BG029134.D
Acq: 10 Oct 2017 10:27

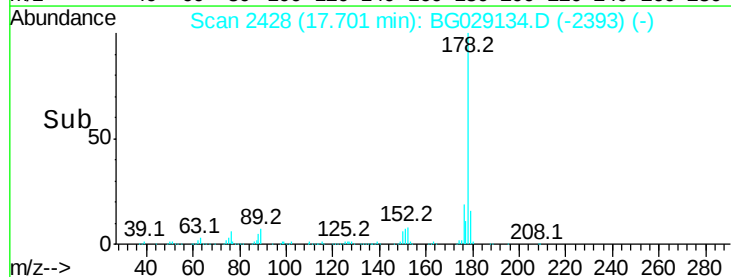
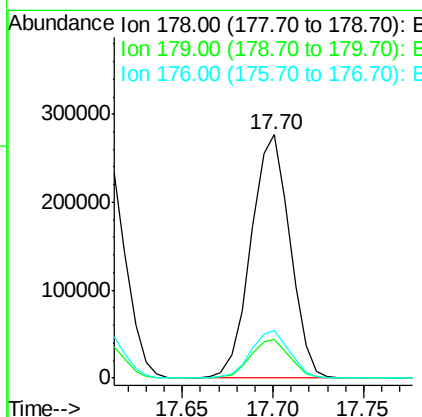
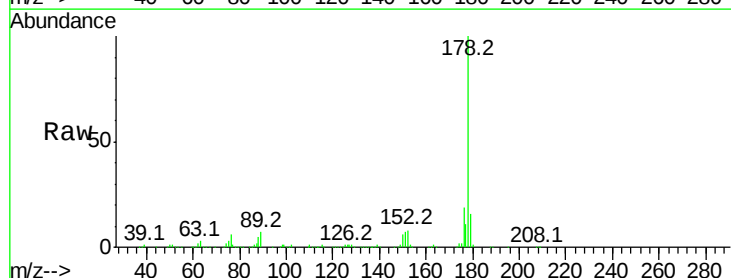
Instrument :
BNA_G
ClientSampleId :
SSTD02066

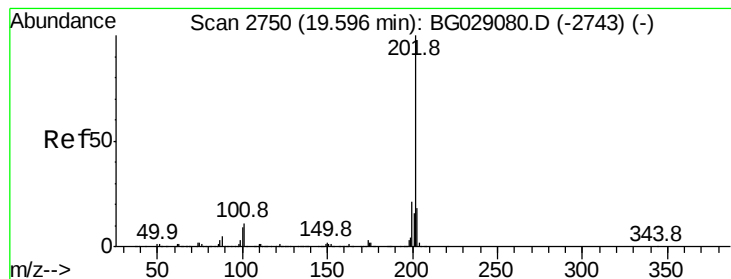
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	20.1	15.1	22.7



#15
Anthracene
Concen: 21.063 ng/ul
RT: 17.70 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BG029134.D
Acq: 10 Oct 2017 10:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	19.4	15.2	22.8





#16

Fluoranthene

Concen: 22.271 ng/ul

RT: 19.60 min Scan# 2752

Delta R.T. 0.01 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

Instrument :

BNA_G

ClientSampleId :

SSTD02066

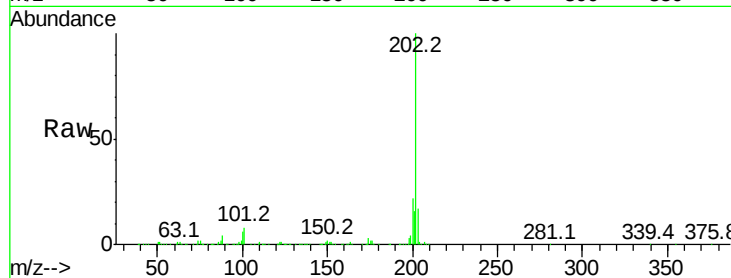
Tot Ion:202 Resp: 498829

Ion Ratio Lower Upper

202 100

101 7.5 9.9 14.9#

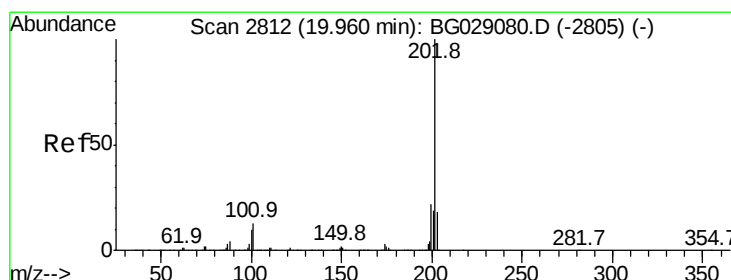
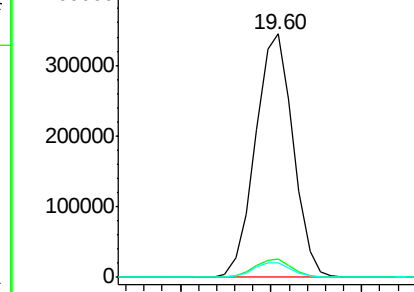
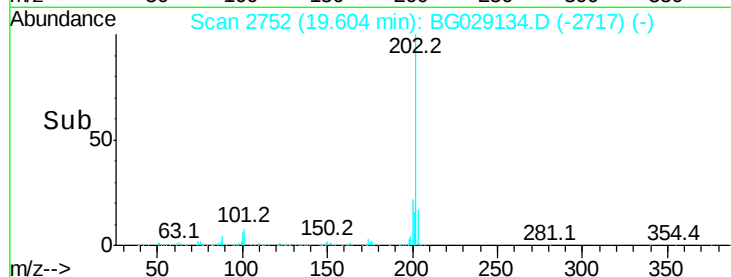
100 5.7 7.4 11.0#



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



#19

Pyrene

Concen: 20.559 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

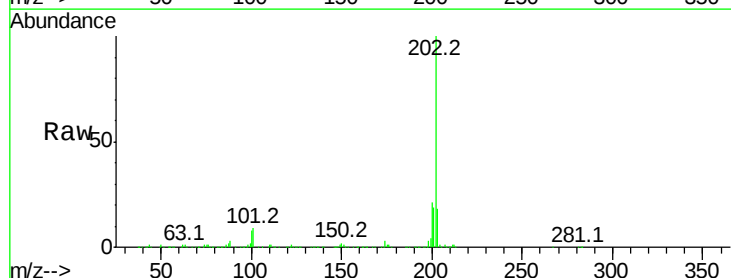
Tgt Ion:202 Resp: 500212

Ion Ratio Lower Upper

202 100

101 9.0 11.0 16.4#

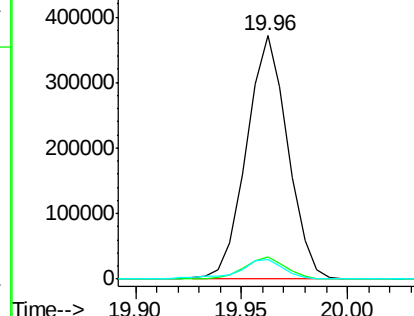
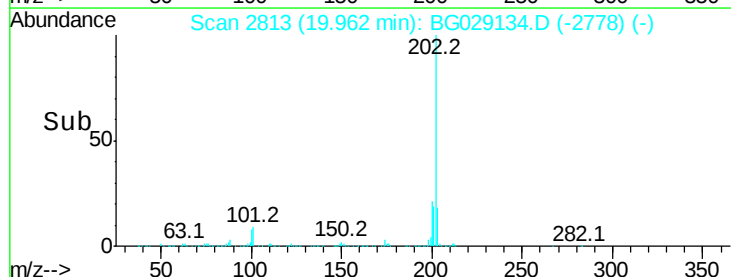
100 7.9 8.1 12.1#

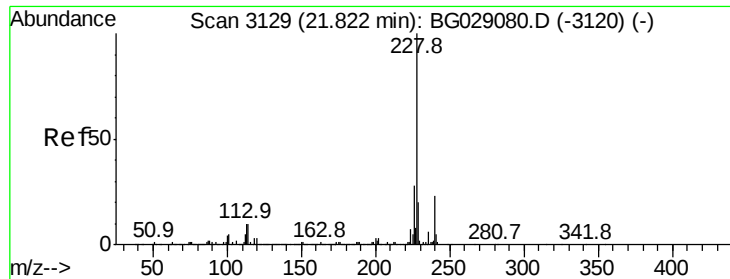


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

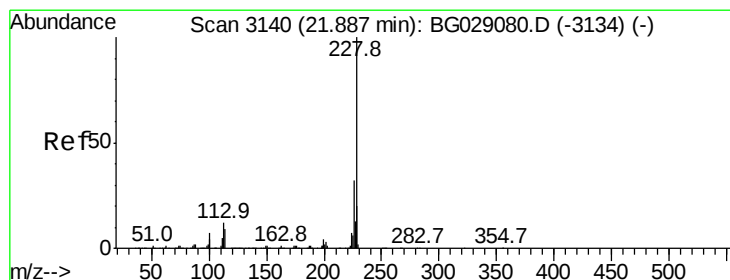
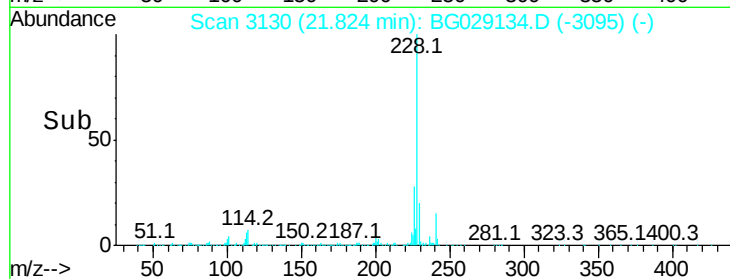
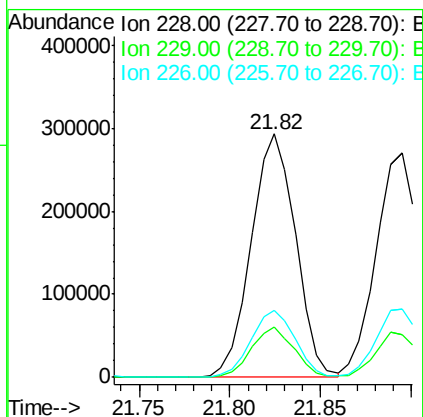
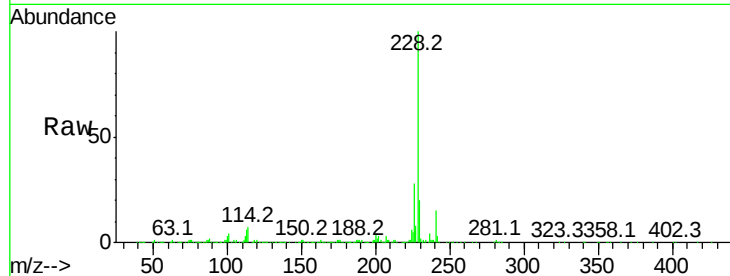




#20
Benzo(a)anthracene
Concen: 21.743 ng/ul
RT: 21.82 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BG029134.D
Acq: 10 Oct 2017 10:27

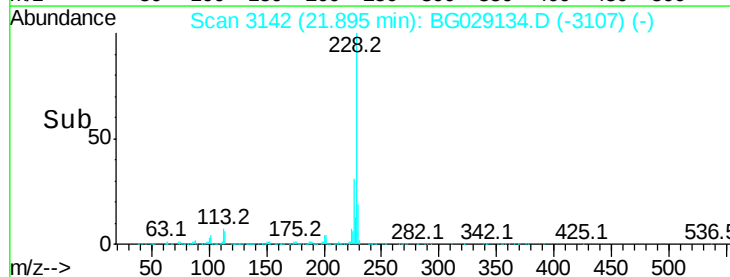
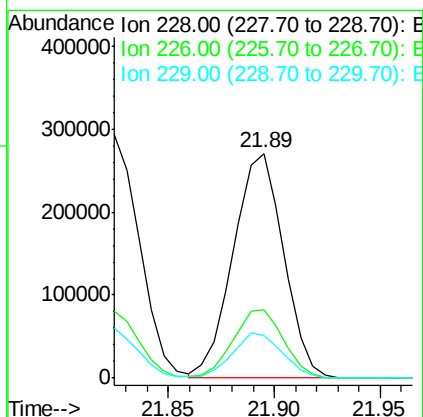
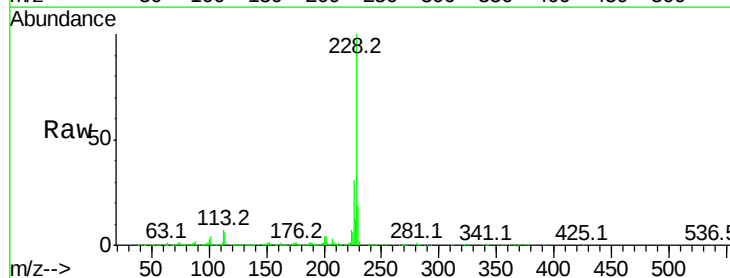
Instrument :
BNA_G
ClientSampleId :
SSTD02066

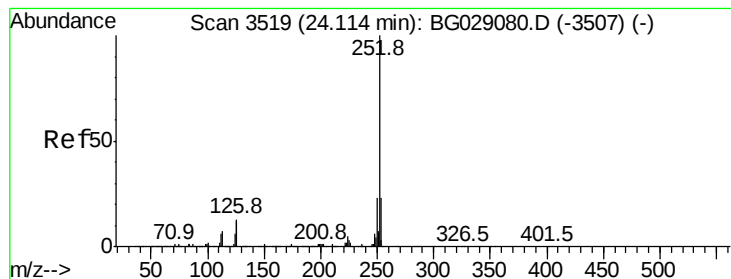
Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.7	23.5
226	27.6	21.1	31.7



#21
Chrysene
Concen: 21.162 ng/ul
RT: 21.89 min Scan# 3142
Delta R.T. 0.01 min
Lab File: BG029134.D
Acq: 10 Oct 2017 10:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	19.2	15.8	23.8





#23

Benzo(b)fluoranthene

Concen: 20.155 ng/ul

RT: 24.13 min Scan# 3522

Delta R.T. 0.01 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

Instrument :

BNA_G

ClientSampleId :

SSTD02066

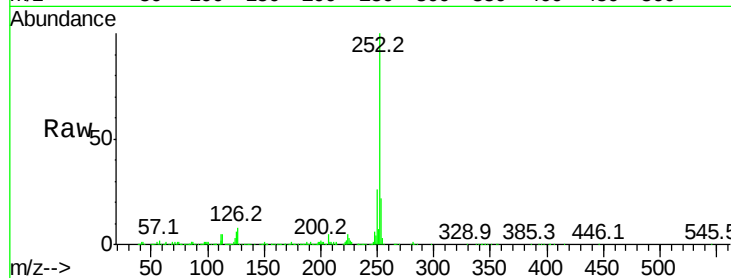
Tot Ion:252 Resp: 490229

Ion Ratio Lower Upper

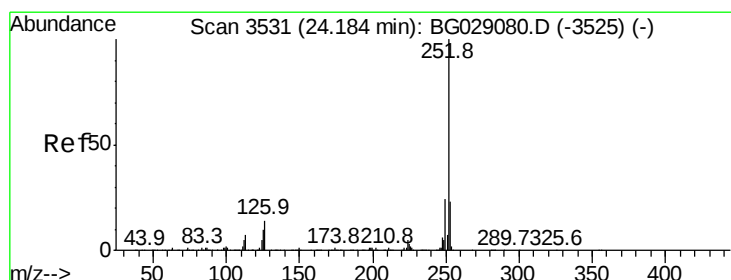
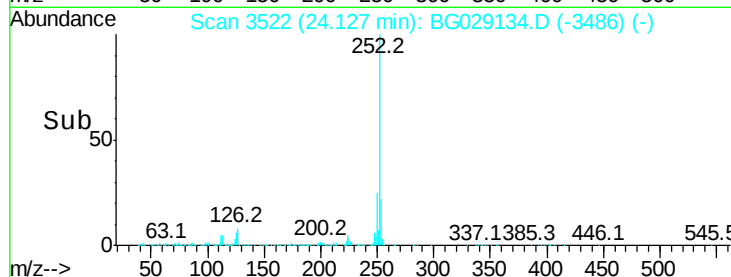
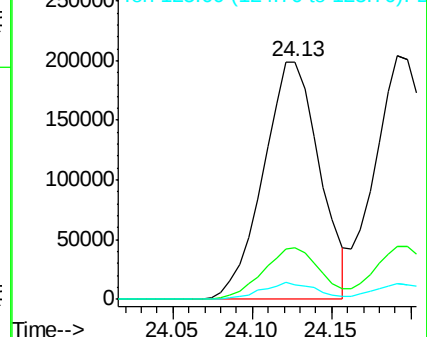
252 100

253 21.9 18.0 27.0

125 6.4 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 20.495 ng/ul

RT: 24.19 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

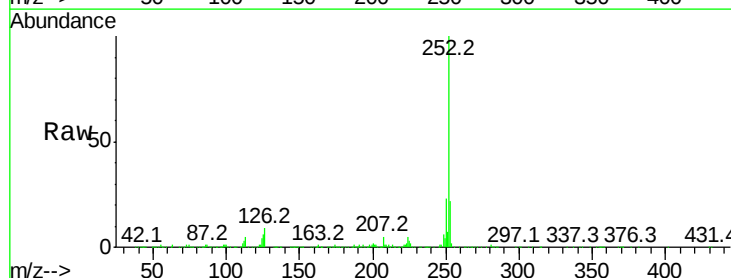
Tgt Ion:252 Resp: 486535

Ion Ratio Lower Upper

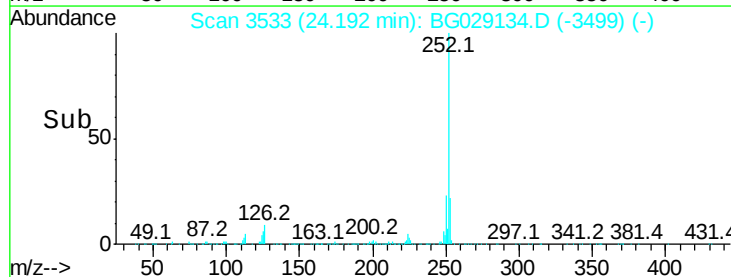
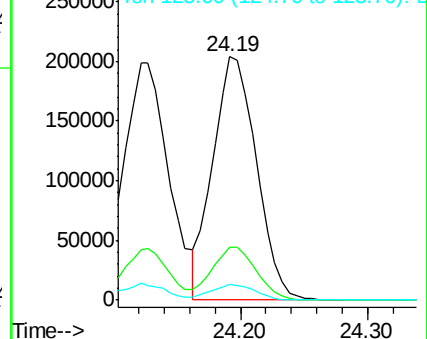
252 100

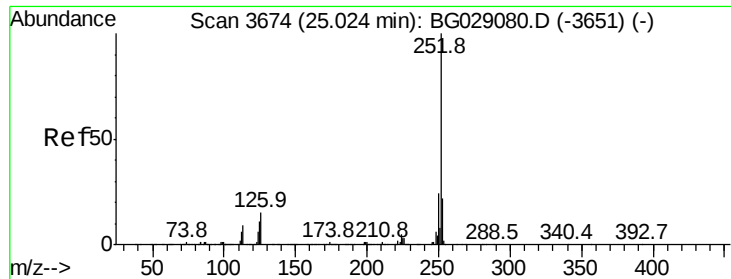
253 21.7 18.0 27.0

125 6.3 8.1 12.1#



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





#26

Benzo(a)pyrene

Concen: 20.608 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. 0.01 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

Instrument :

BNA_G

ClientSampleId :

SSTD02066

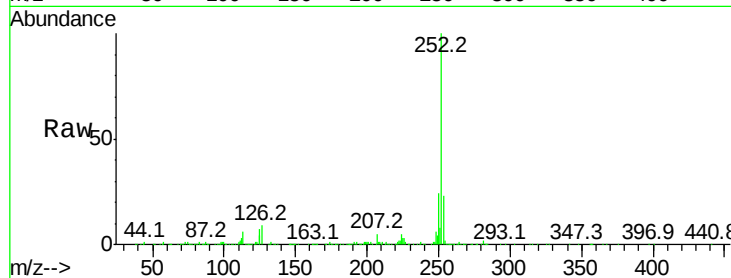
Tot Ion:252 Resp: 486873

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

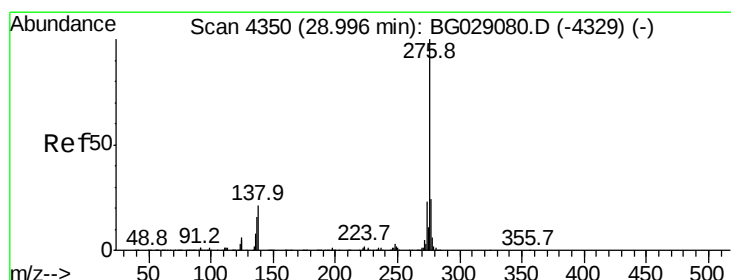
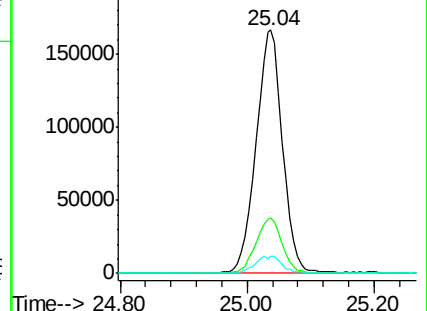
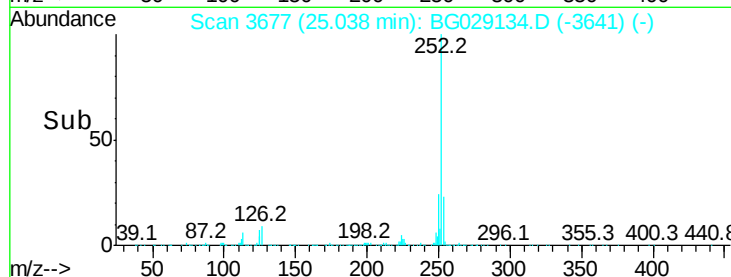
125 6.8 8.2 12.4#



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

Indeno(1,2,3-cd)pyrene

Concen: 19.589 ng/ul

RT: 29.03 min Scan# 4356

Delta R.T. 0.02 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

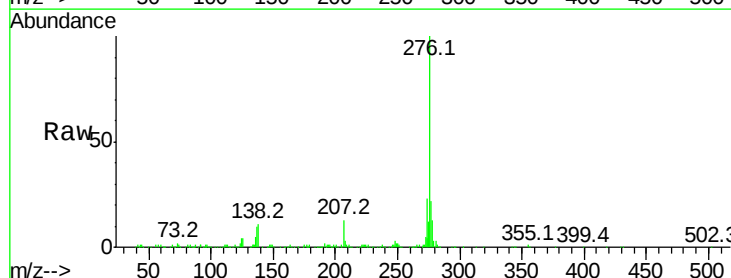
Tgt Ion:276 Resp: 525250

Ion Ratio Lower Upper

276 100

138 11.4 14.4 21.6#

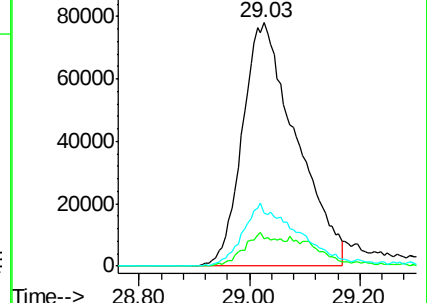
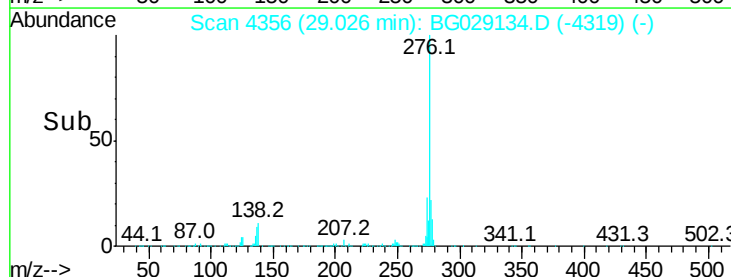
277 21.6 18.0 27.0

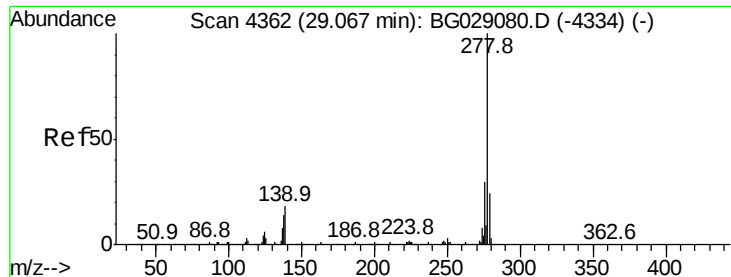


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.624 ng/ul

RT: 29.09 min Scan# 4367

Delta R.T. 0.01 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

Instrument :

BNA_G

ClientSampleId :

SSTD02066

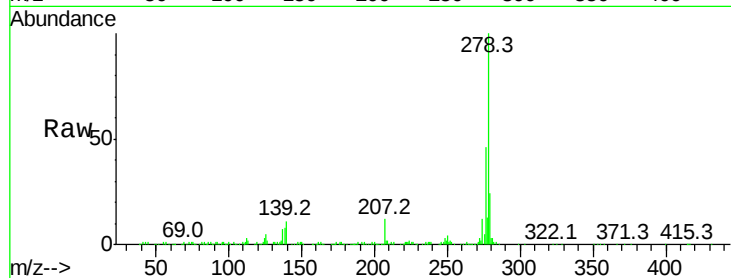
Tot Ion:278 Resp: 457857

Ion Ratio Lower Upper

278 100

139 10.6 12.2 18.4#

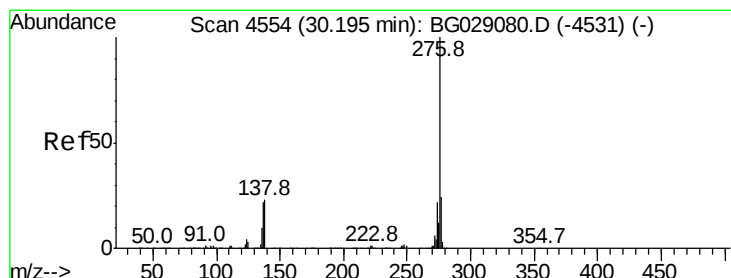
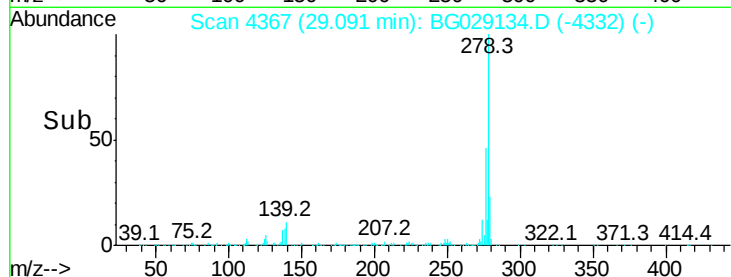
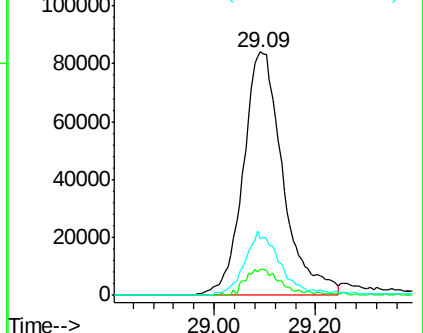
279 23.5 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 18.044 ng/ul

RT: 30.22 min Scan# 4560

Delta R.T. 0.02 min

Lab File: BG029134.D

Acq: 10 Oct 2017 10:27

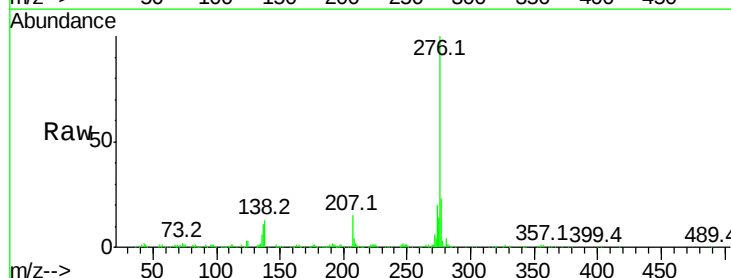
Tgt Ion:276 Resp: 398974

Ion Ratio Lower Upper

276 100

138 12.7 15.3 22.9#

277 22.6 19.0 28.4



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

