

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\
 Data File : BG029075.D
 Acq On : 8 Oct 2017 9:23
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 09 05:53:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 17:49:18 2017
 Response via : Initial Calibration

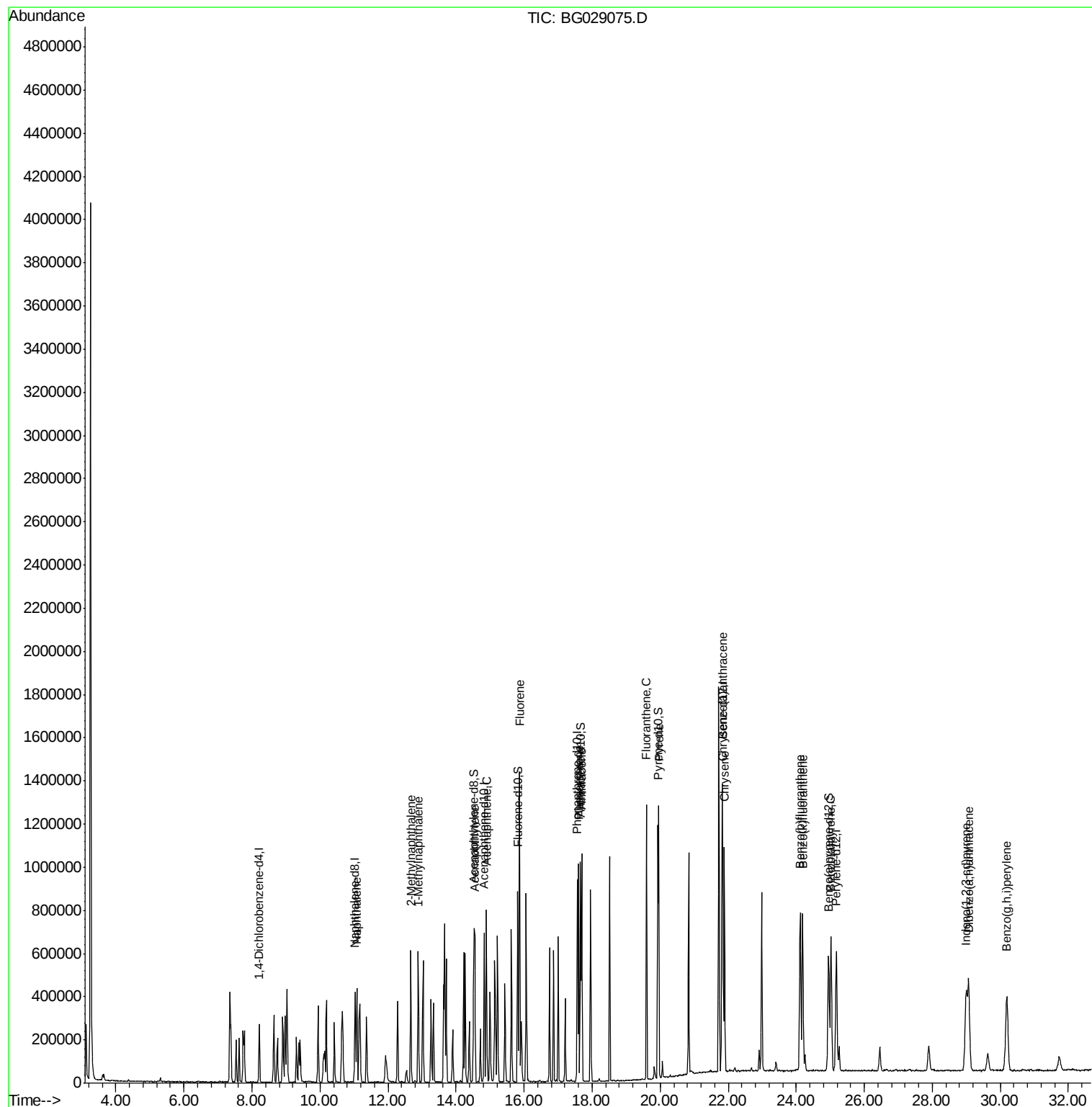
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	79602	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	367037	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	245315	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	592410	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	578197	20.00	ng/ul	0.00
22) Perylene-d12	25.18	264	573320	20.00	ng/ul	-0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	523658	20.52	ng/ul	0.00
10) Fluorene-d10	15.81	176	383732	20.74	ng/ul	0.00
14) Anthracene-d10	17.66	188	590752	20.59	ng/ul	0.00
18) Pyrene-d10	19.93	212	636083	21.50	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.94	264	577128	21.01	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	11.08	128	392626	20.548	ng/ul	100
4) 2-Methylnaphthalene	12.67	142	295425	20.371	ng/ul	97
5) 1-Methylnaphthalene	12.89	142	286763	20.718	ng/ul#	97
8) Acenaphthylene	14.55	152	505413	20.576	ng/ul	99
9) Acenaphthene	14.89	153	341418	20.423	ng/ul	97
11) Fluorene	15.87	166	401757	20.534	ng/ul	93
13) Phenanthrene	17.61	178	646258	20.452	ng/ul	98
15) Anthracene	17.69	178	664244	20.547	ng/ul	98
16) Fluoranthene	19.60	202	767766	20.727	ng/ul	98
19) Pyrene	19.96	202	772893	21.444	ng/ul#	97
20) Benzo(a)anthracene	21.82	228	738905	21.700	ng/ul	98
21) Chrysene	21.89	228	672296	21.562	ng/ul	98
23) Benzo(b)fluoranthene	24.12	252	733465	21.385	ng/ul	98
24) Benzo(k)fluoranthene	24.19	252	707172	21.126	ng/ul	99
26) Benzo(a)pyrene	25.02	252	703763	21.125	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	28.99	276	792784	20.968	ng/ul	95
28) Dibenzo(a,h)anthracene	29.07	278	663715	21.202	ng/ul	97
29) Benzo(g,h,i)perylene	30.19	276	657454	21.087	ng/ul#	96

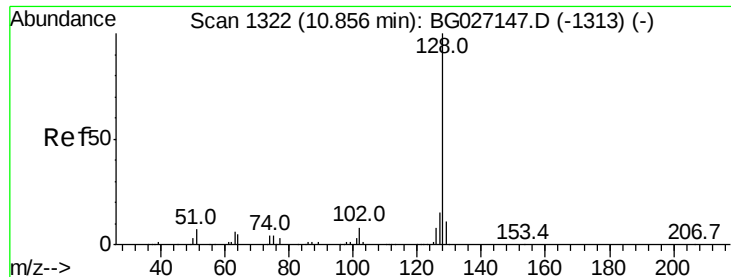
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\
Data File : BG029075.D
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ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Oct 09 05:53:17 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 07 17:49:18 2017
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#3

Naphthalene

Concen: 20.548 ng/ul

RT: 11.08 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

Instrument :

BNA_G

ClientSampleId :

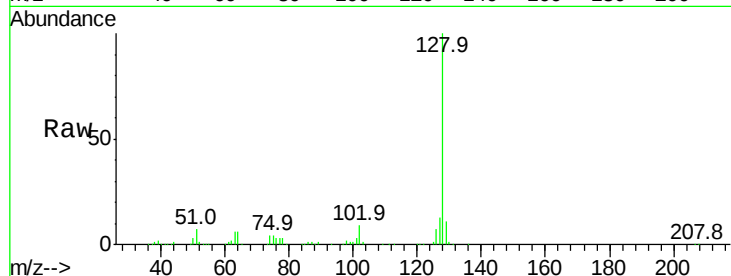
Tot Ion:128 Resp: 392626

Ion Ratio Lower Upper

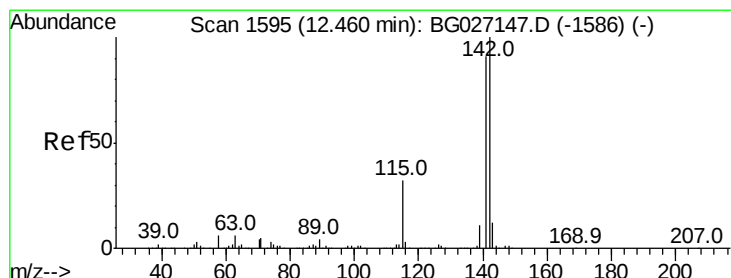
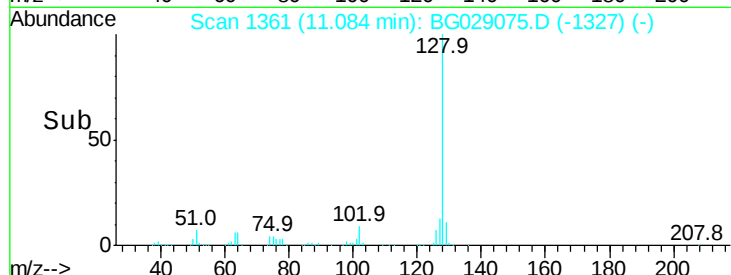
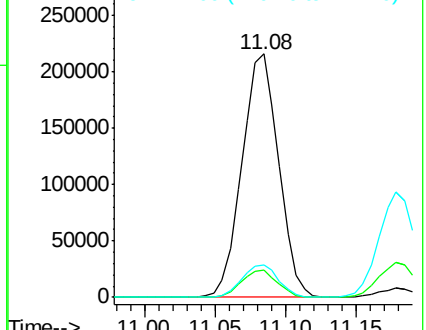
128 100

129 11.1 8.7 13.1

127 13.3 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: 20.371 ng/ul

RT: 12.67 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BG029075.D

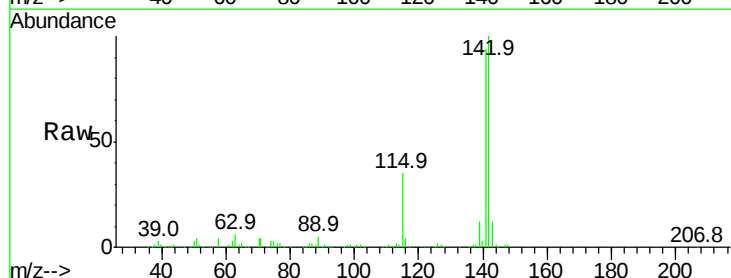
Acq: 8 Oct 2017 9:23

Tgt Ion:142 Resp: 295425

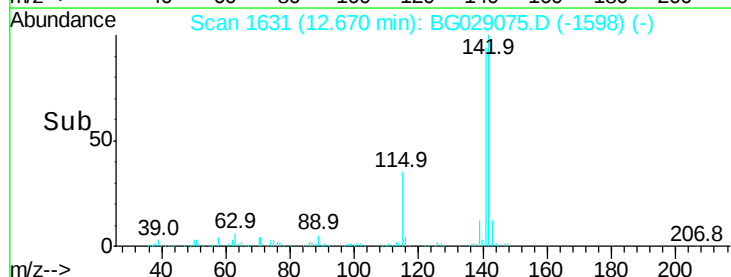
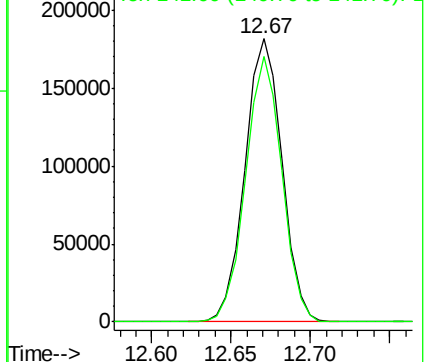
Ion Ratio Lower Upper

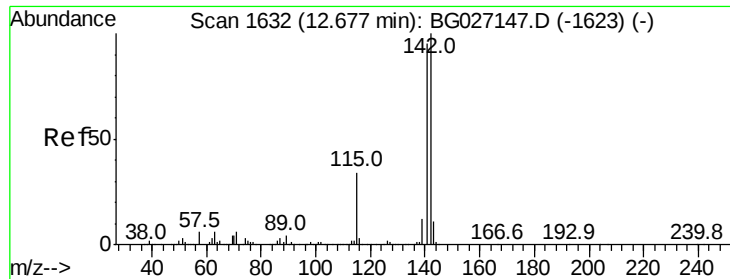
142 100

141 94.0 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: 20.718 ng/ul

RT: 12.89 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

Instrument :

BNA_G

ClientSampleId :

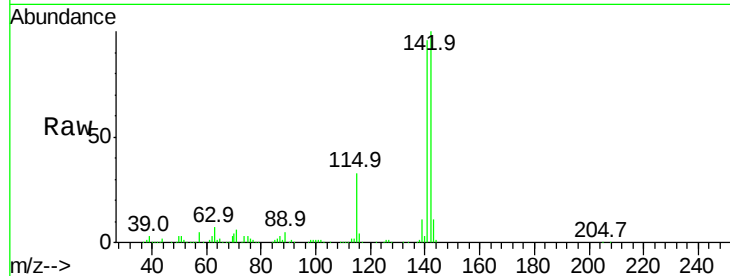
Tot Ion:142 Resp: 286763

Ion Ratio Lower Upper

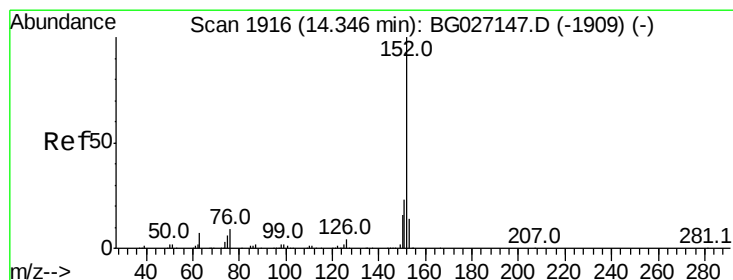
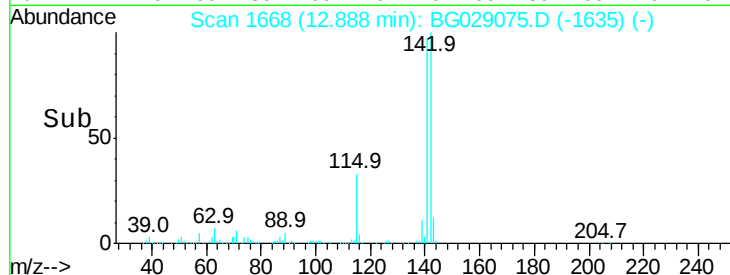
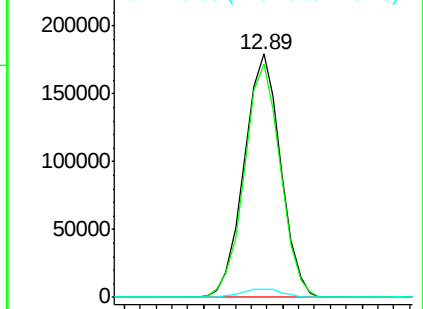
142 100

141 96.0 79.3 118.9

116 3.6 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: 20.576 ng/ul

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

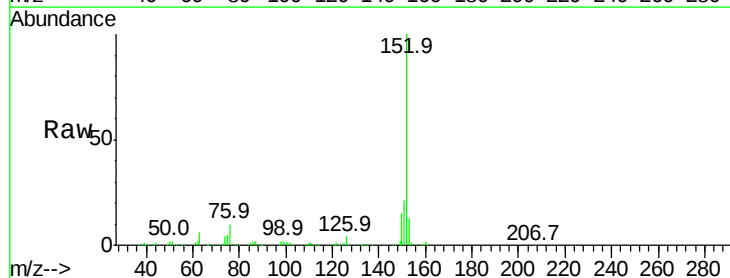
Tgt Ion:152 Resp: 505413

Ion Ratio Lower Upper

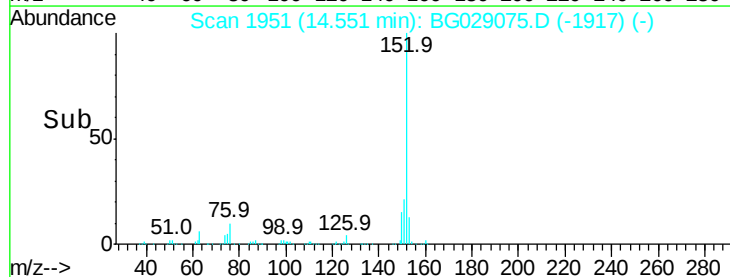
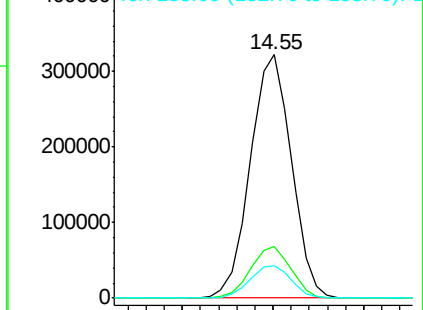
152 100

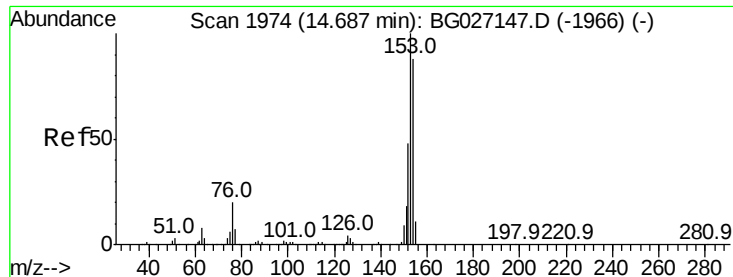
151 21.4 16.7 25.1

153 13.3 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: 20.423 ng/ul

RT: 14.89 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

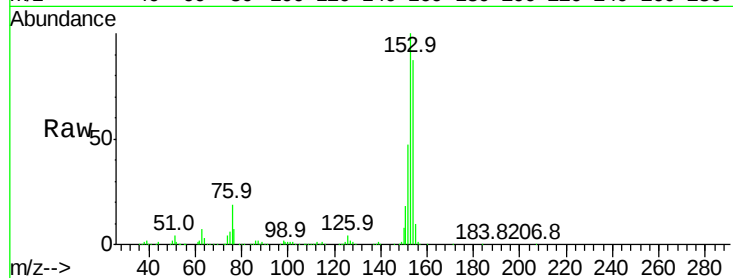
Instrument :

BNA_G

ClientSampleId :

Tot Ion:153 Resp: 341418

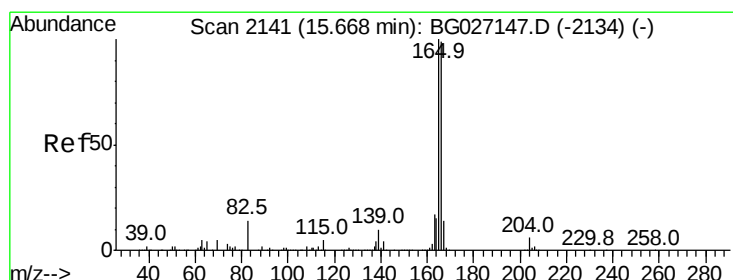
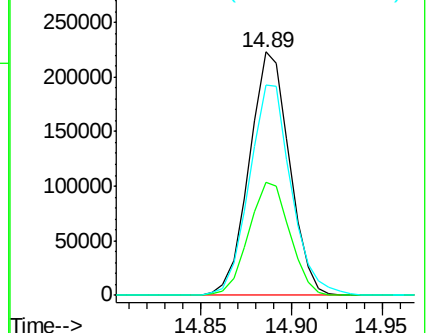
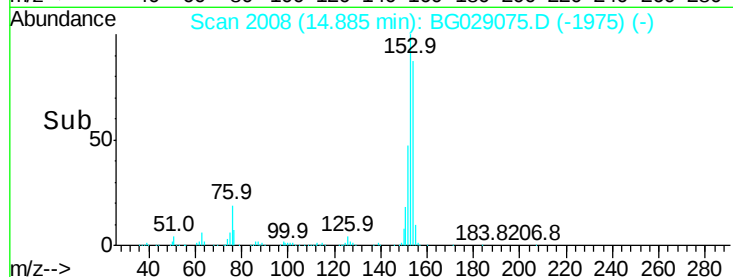
Ion	Ratio	Lower	Upper
153	100		
152	46.6	39.0	58.6
154	86.6	66.8	100.2



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: 20.534 ng/ul

RT: 15.87 min Scan# 2175

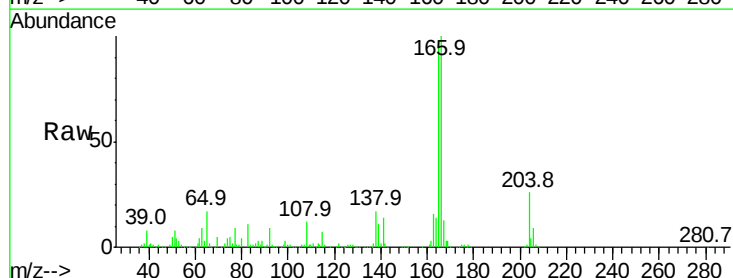
Delta R.T. -0.01 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

Tgt Ion:166 Resp: 401757

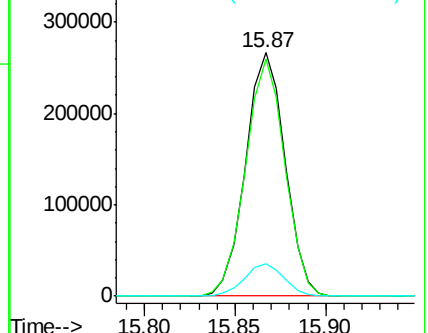
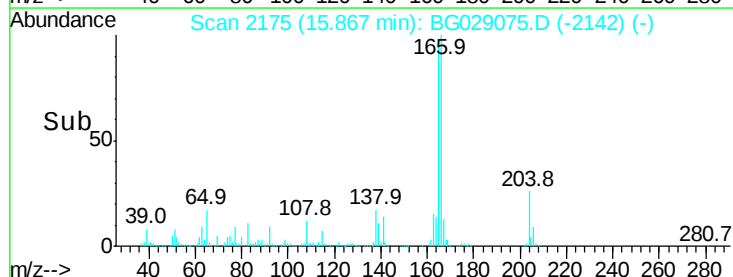
Ion	Ratio	Lower	Upper
166	100		
165	97.2	83.8	125.8
167	13.5	11.5	17.3

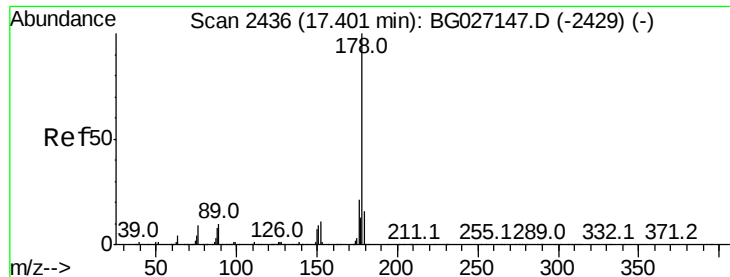


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

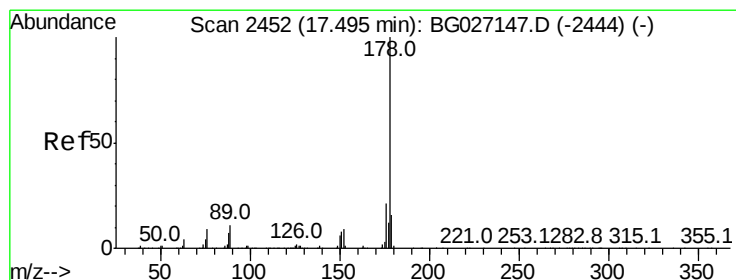
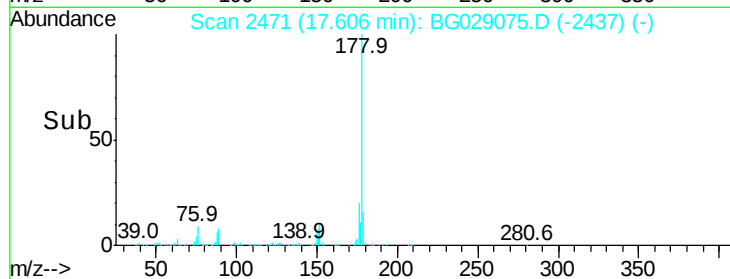
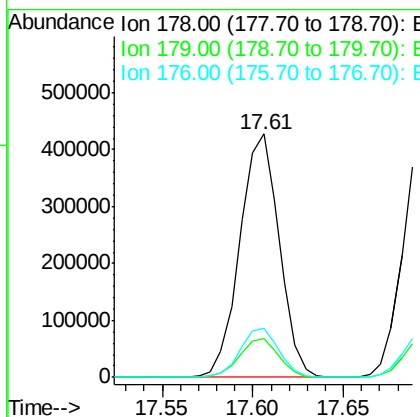
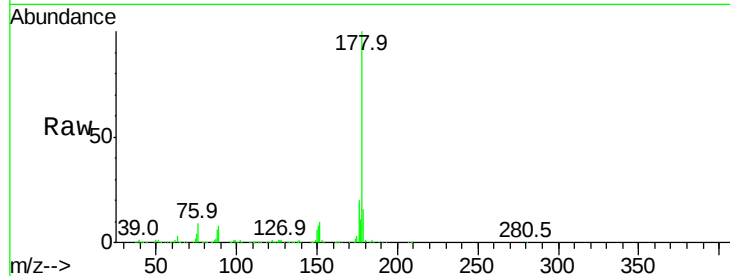




#13
 Phenanthrene
 Concen: 20.452 ng/ul
 RT: 17.61 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: BG029075.D
 Acq: 8 Oct 2017 9:23

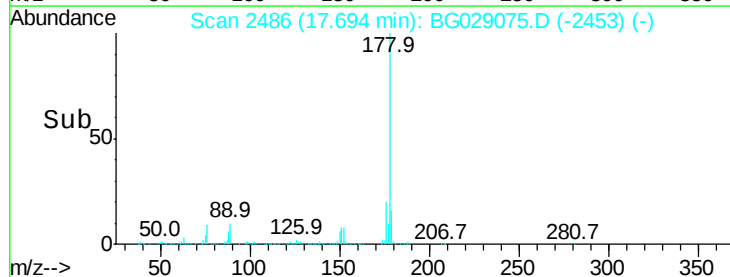
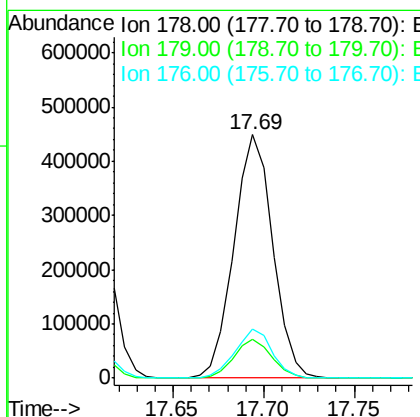
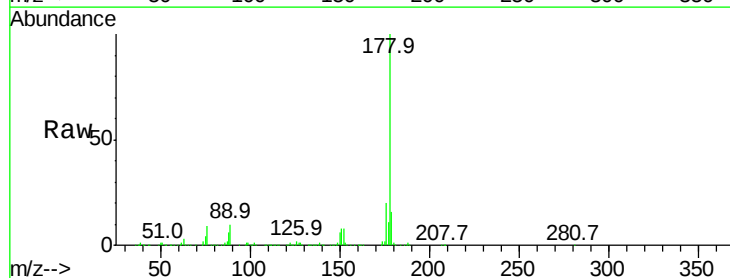
Instrument :
 BNA_G
 ClientSampled :

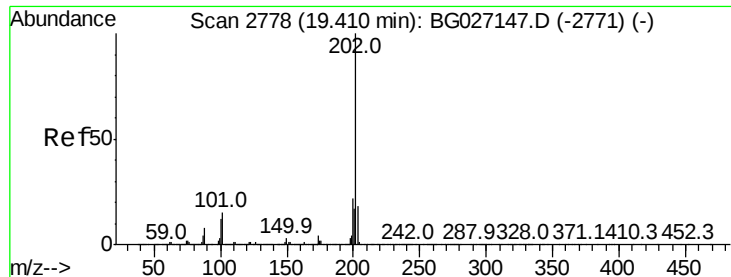
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	20.1	15.1	22.7



#15
 Anthracene
 Concen: 20.547 ng/ul
 RT: 17.69 min Scan# 2486
 Delta R.T. -0.01 min
 Lab File: BG029075.D
 Acq: 8 Oct 2017 9:23

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.8	17.8
176	20.0	15.2	22.8

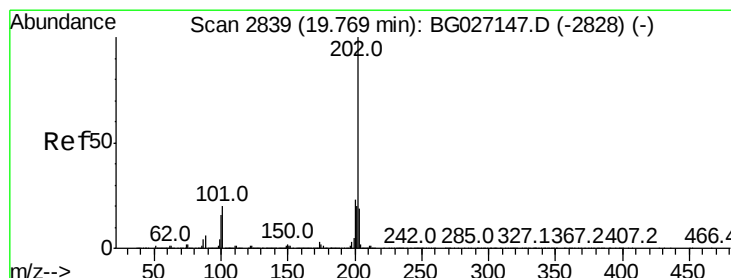
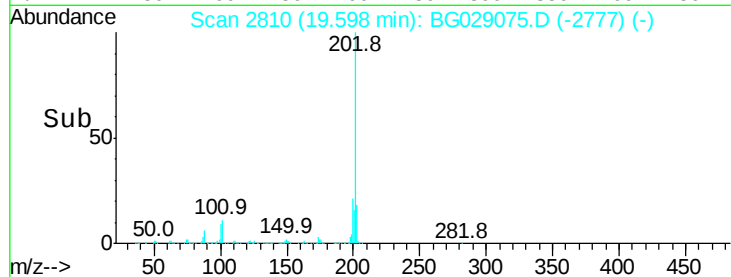
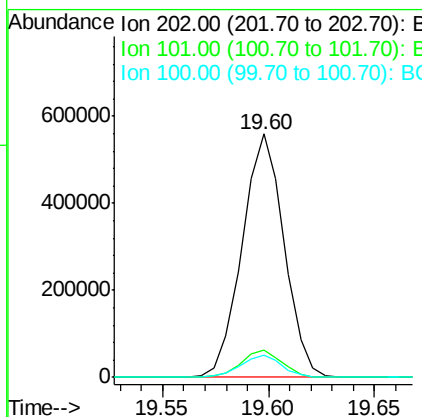
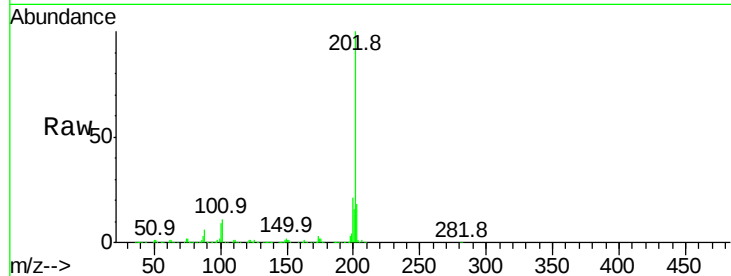




#16
 Fluoranthene
 Concen: 20.727 ng/ul
 RT: 19.60 min Scan# 2810
 Delta R.T. -0.01 min
 Lab File: BG029075.D
 Acq: 8 Oct 2017 9:23

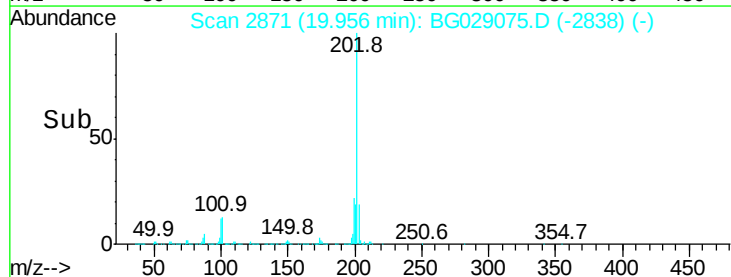
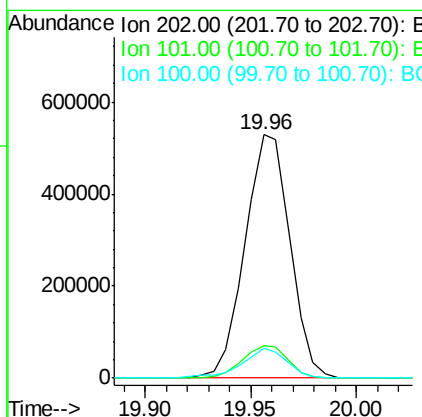
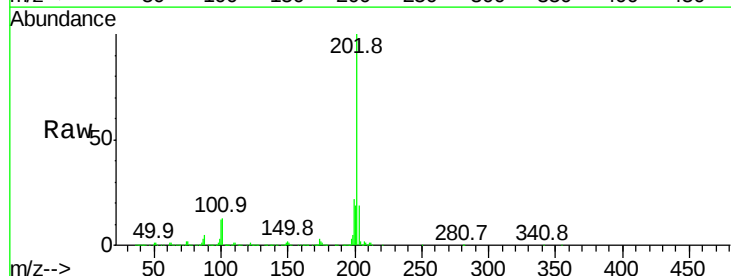
Instrument :
 BNA_G
 ClientSampleId :

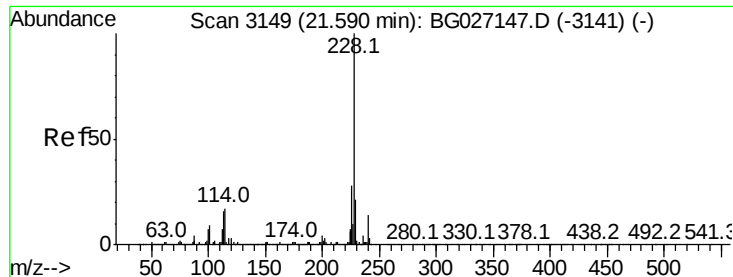
Tot Ion:	202	Resp:	767766
Ion Ratio	Lower	Upper	
202	100		
101	11.1	9.9	14.9
100	8.9	7.4	11.0



#19
 Pyrene
 Concen: 21.444 ng/ul
 RT: 19.96 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BG029075.D
 Acq: 8 Oct 2017 9:23

Tgt Ion:	202	Resp:	772893
Ion Ratio	Lower	Upper	
202	100		
101	13.2	11.0	16.4
100	12.1	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 21.700 ng/ul

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG029075.D

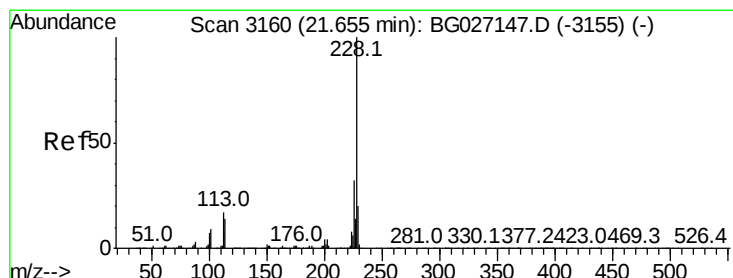
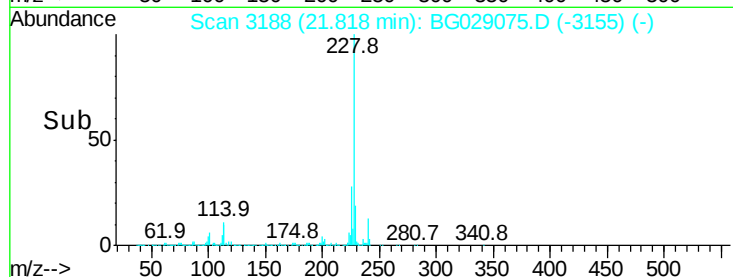
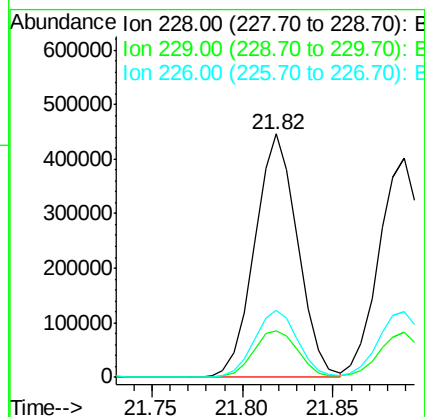
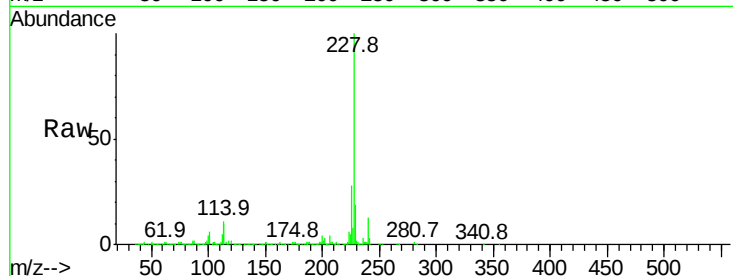
Acq: 8 Oct 2017 9:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:228	Resp:	738905
Ion	Ratio	Lower Upper
228	100	
229	18.9	15.7 23.5
226	27.5	21.1 31.7



#21

Chrysene

Concen: 21.562 ng/ul

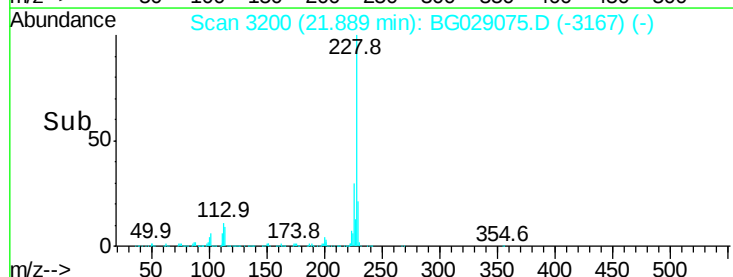
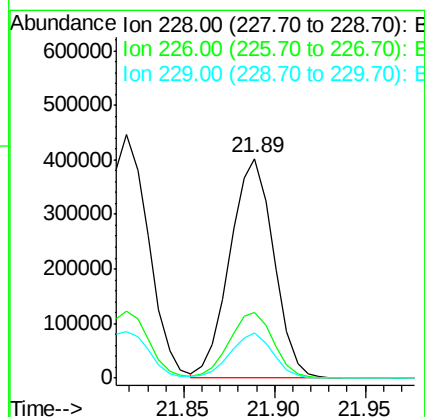
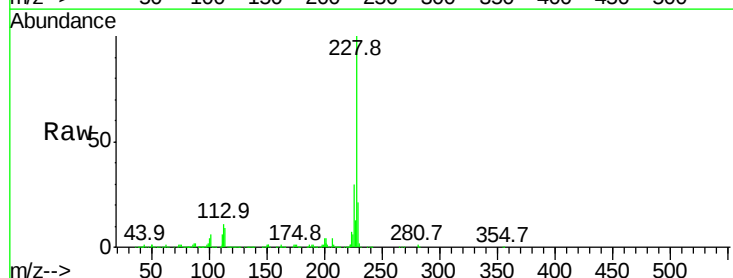
RT: 21.89 min Scan# 3200

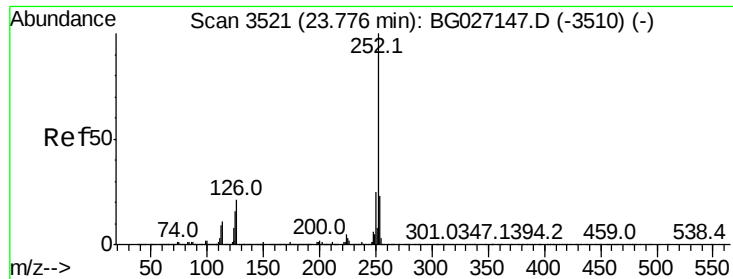
Delta R.T. -0.01 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

Tgt Ion:228	Resp:	672296
Ion	Ratio	Lower Upper
228	100	
226	29.7	24.5 36.7
229	20.5	15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 21.385 ng/ul

RT: 24.12 min Scan# 3579

Delta R.T. -0.01 min

Lab File: BG029075.D

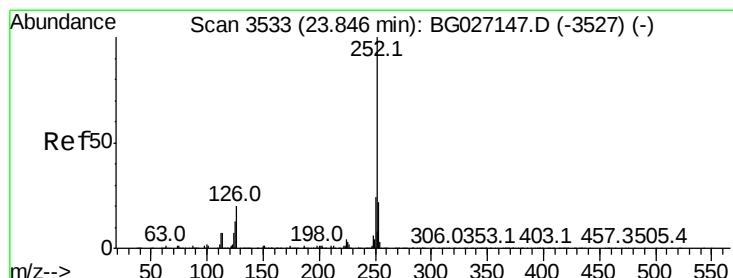
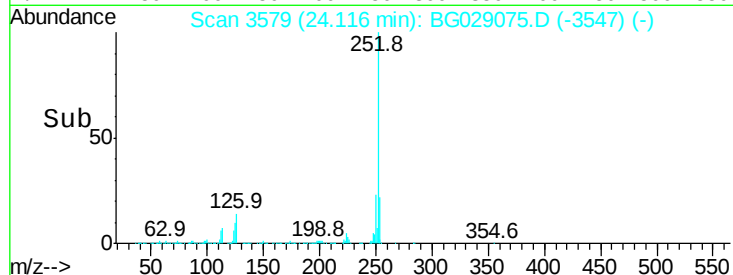
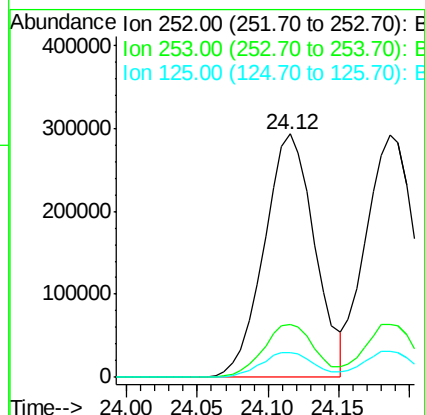
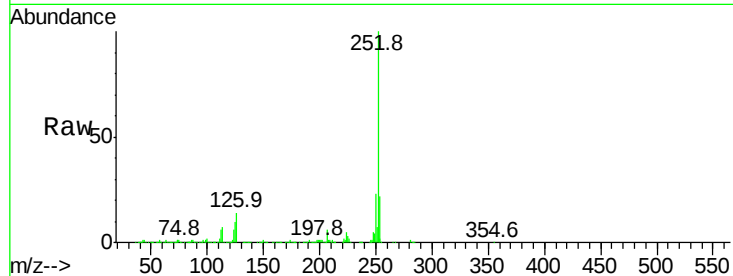
Acq: 8 Oct 2017 9:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	733465
Ion Ratio	Lower	Upper
252	100	
253	21.5	18.0 27.0
125	10.3	8.0 12.0



#24

Benzo(k)fluoranthene

Concen: 21.126 ng/ul

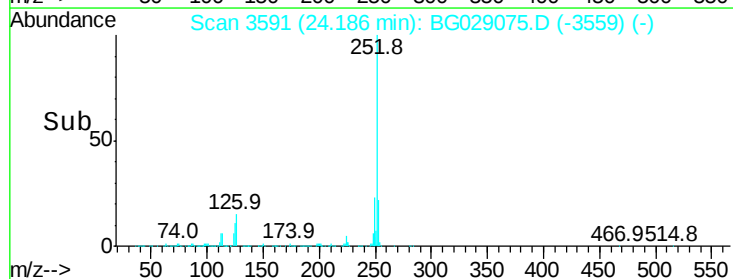
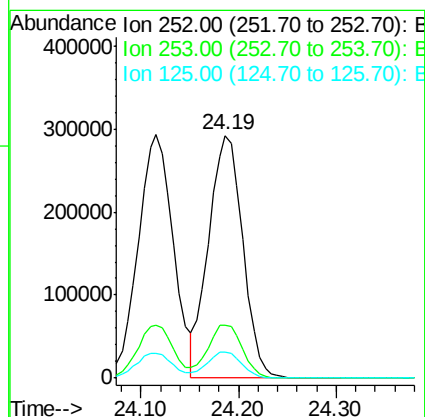
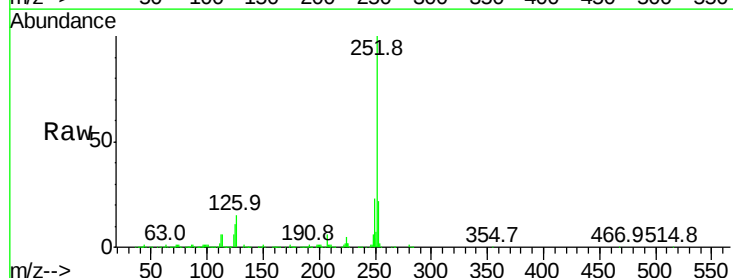
RT: 24.19 min Scan# 3591

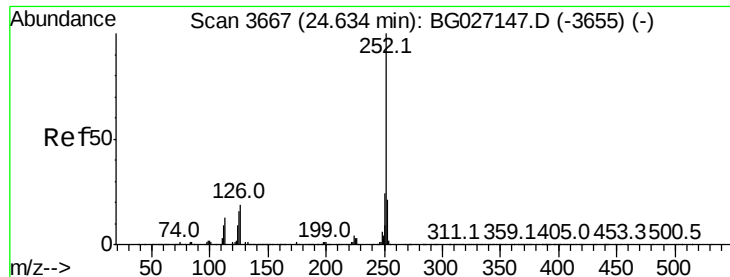
Delta R.T. -0.01 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

Tgt Ion:252	Resp:	707172
Ion Ratio	Lower	Upper
252	100	
253	22.0	18.0 27.0
125	10.8	8.1 12.1





#26

Benzo(a)pyrene

Concen: 21.125 ng/ul

RT: 25.02 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

Instrument :

BNA_G

ClientSampleId :

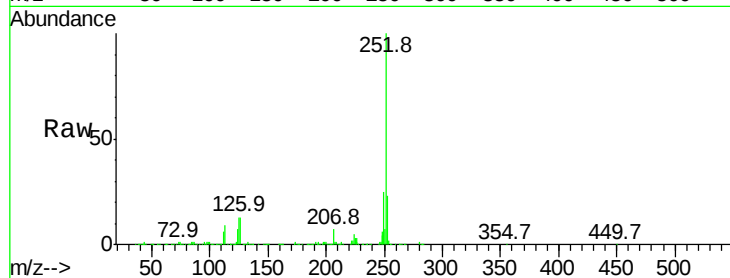
Tot Ion:252 Resp: 703763

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

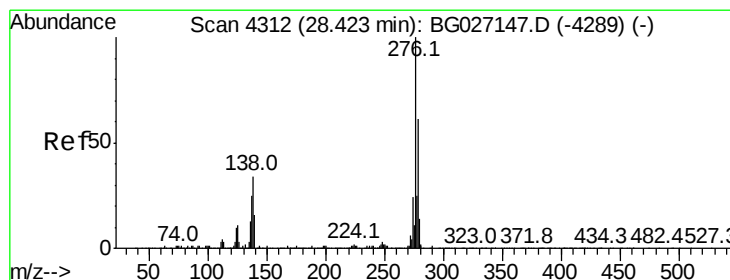
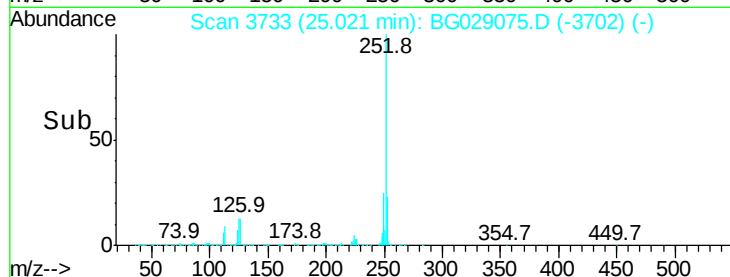
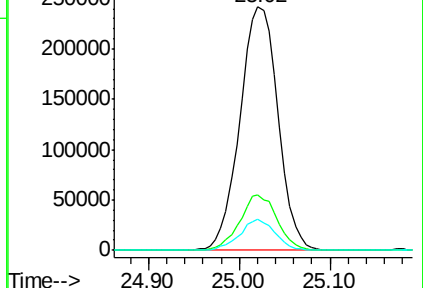
125 12.9 8.2 12.4#



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: 20.968 ng/ul

RT: 28.99 min Scan# 4409

Delta R.T. -0.03 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

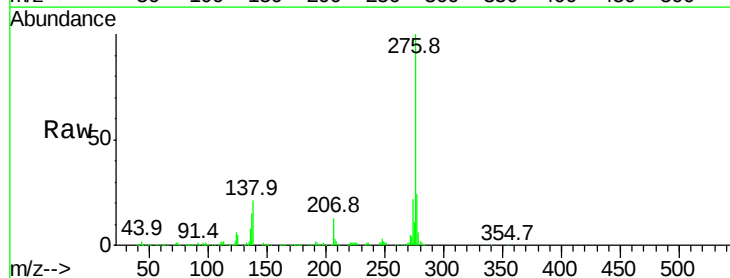
Tgt Ion:276 Resp: 792784

Ion Ratio Lower Upper

276 100

138 20.6 14.4 21.6

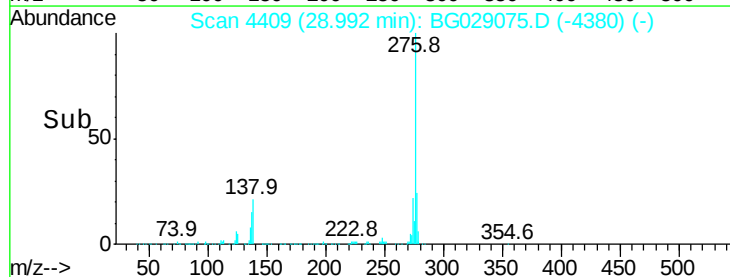
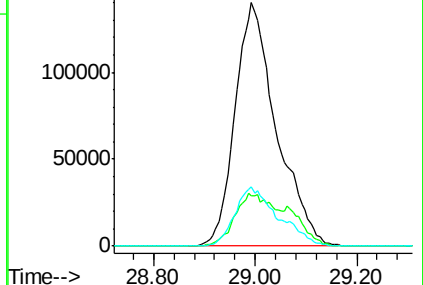
277 24.3 18.0 27.0

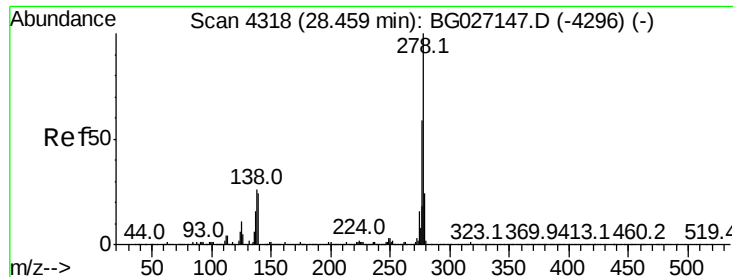


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 21.202 ng/ul

RT: 29.07 min Scan# 4422

Delta R.T. -0.02 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

Instrument :

BNA_G

ClientSampleId :

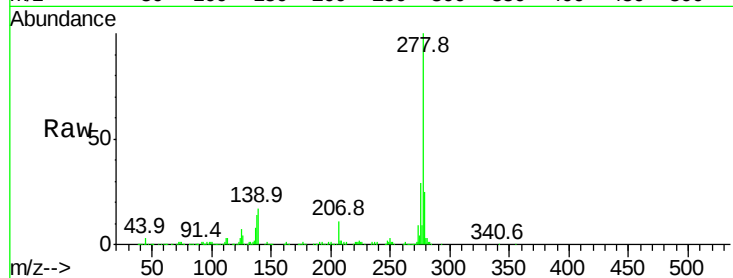
Tot Ion:278 Resp: 663715

Ion Ratio Lower Upper

278 100

139 17.0 12.2 18.4

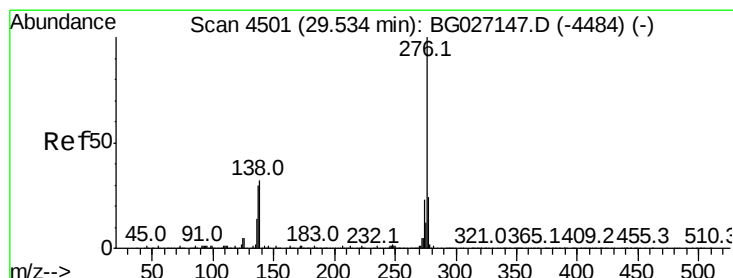
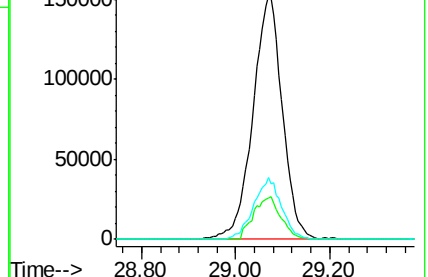
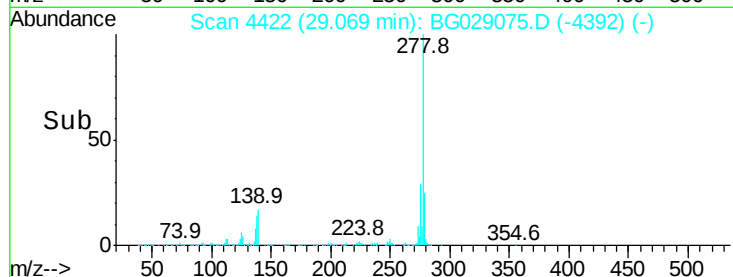
279 25.2 19.2 28.8



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: 21.087 ng/ul

RT: 30.19 min Scan# 4613

Delta R.T. -0.02 min

Lab File: BG029075.D

Acq: 8 Oct 2017 9:23

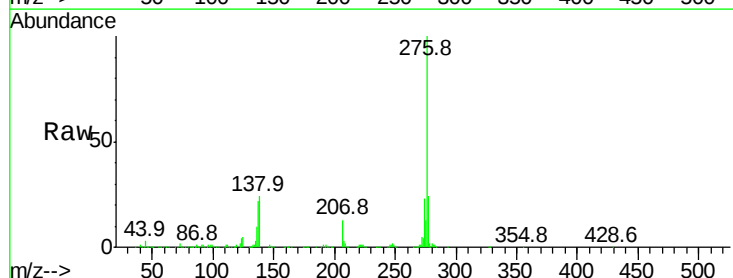
Tgt Ion:276 Resp: 657454

Ion Ratio Lower Upper

276 100

138 23.5 15.3 22.9#

277 23.7 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

