

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
 Data File : BG029427.D
 Acq On : 24 Oct 2017 16:41
 Operator : SJ/JU
 Sample : I5925-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 24 19:16:52 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 17 07:42:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	65313	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.98	136	310385	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	207905	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.52	188	490246	20.00	ng/ul	-0.01
75) Chrysene-d12	21.79	240	519668	20.00	ng/ul	-0.01
83) Perylene-d12	25.10	264	519141	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	8971	5.58	ng/uL	0.00
5) Phenol-d5	7.31	99	193865	30.93	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	112157	28.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	151539	34.27	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	169916	33.56	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	78218	35.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	92299	40.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	177936	34.20	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	211502	34.99	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	574067	32.30	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	721937	33.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	73113	22.28	ng/ul	-0.01
57) Fluorene-d10	15.77	176	523391	35.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	63386	26.49	ng/ul	-0.01
70) Anthracene-d10	17.62	188	776601	33.49	ng/ul	-0.01
76) Pyrene-d10	19.89	212	895017	33.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	855761	34.80	ng/ul	-0.01

Target Compounds

					Ovalue
6) Phenol	7.34	94	7409	1.142	ng/ul 93
15) N-Nitroso-di-n-propylamine	8.86	70	5012	1.170	ng/ul# 1
28) Naphthalene	11.03	128	17964	1.094	ng/ul 95
44) Dimethylphthalate	14.23	163	64892	3.743	ng/ul 99
49) Acenaphthene	14.85	153	20268	1.343	ng/ul 96
53) Dibenzofuran	15.18	168	20971	1.017	ng/ul 95
58) Fluorene	15.83	166	21329	1.296	ng/ul 95
69) Phenanthrene	17.57	178	403737	15.234	ng/ul 97
71) Anthracene	17.65	178	72392	2.647	ng/ul 99
72) Carbazole	17.92	167	37562	1.528	ng/ul 96
74) Fluoranthene	19.56	202	667519	22.537	ng/ul 99
77) Pyrene	19.92	202	604518	17.357	ng/ul 99
80) Benzo(a)anthracene	21.77	228	345083	10.596	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.66	149	30108	1.471	ng/ul# 99
82) Chrysene	21.84	228	336651	11.377	ng/ul 99
85) Benzo(b)fluoranthene	24.05	252	449589	14.426	ng/ul 98
86) Benzo(k)fluoranthene	24.05	252	449589	14.920	ng/ul 98
88) Benzo(a)pyrene	24.95	252	302065	9.957	ng/ul 98
89) Indeno(1,2,3-cd)pyrene	28.88	276	224771	6.549	ng/ul 99
90) Dibenz(a,h)anthracene	28.92	278	59152	2.075	ng/ul 97
91) Benzo(a,h,i)perylene	30.07	276	200986	7.064	ng/ul 93

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QLast Update : Tue Oct 17 07:42:23 2017
Response via : Initial Calibration

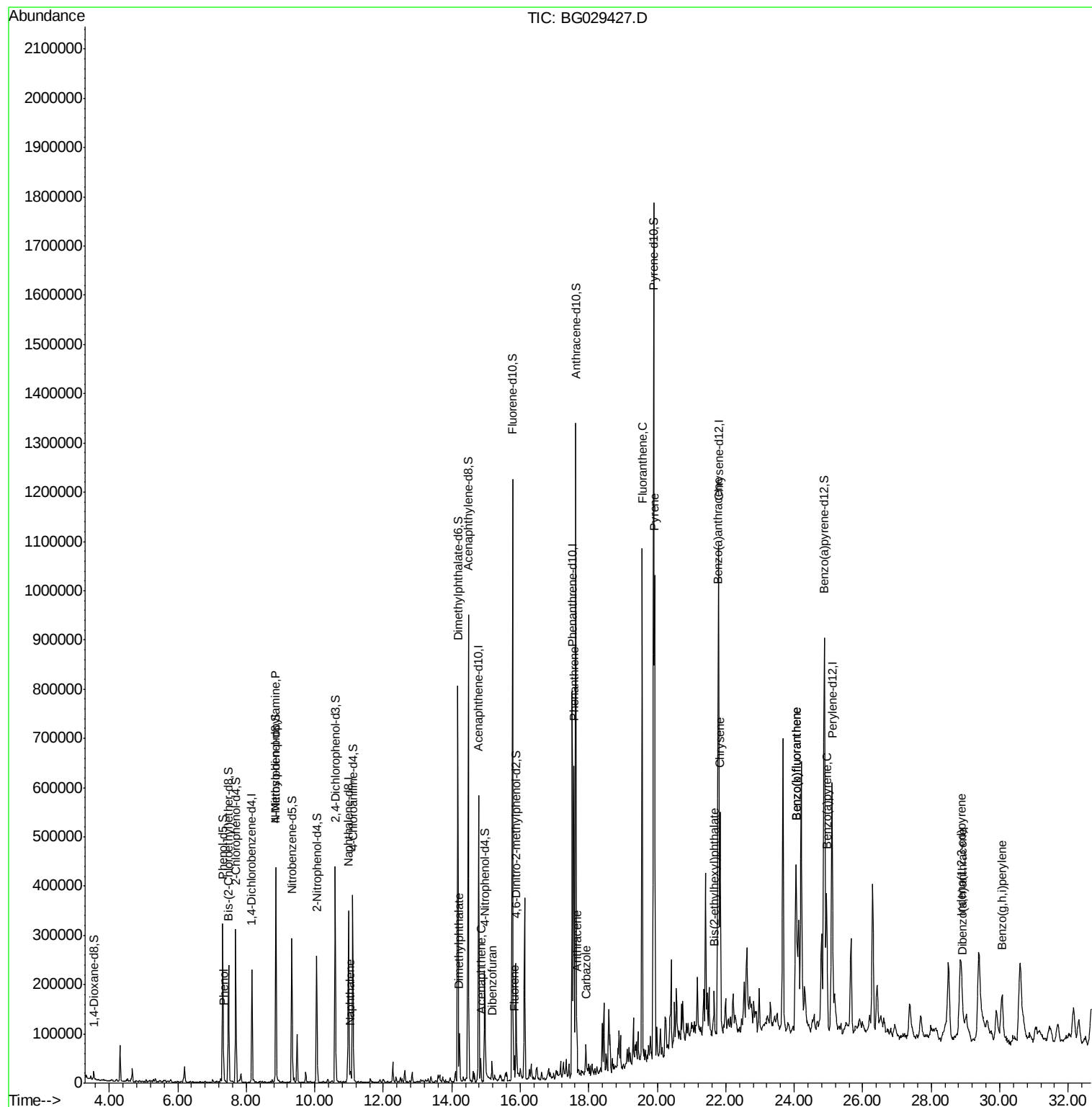
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

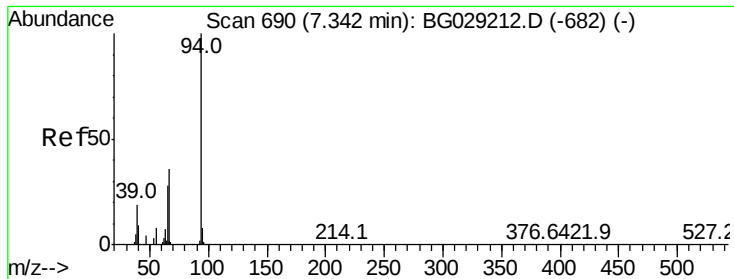
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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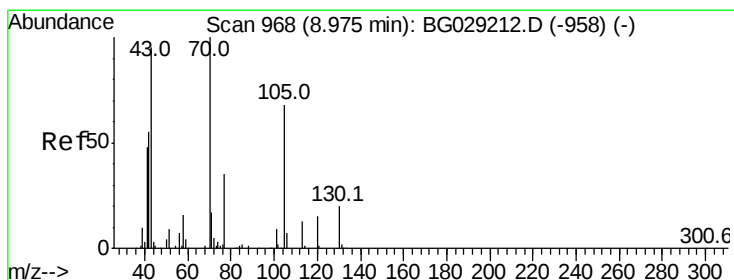
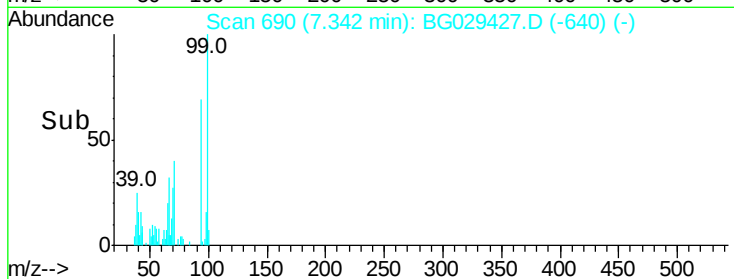
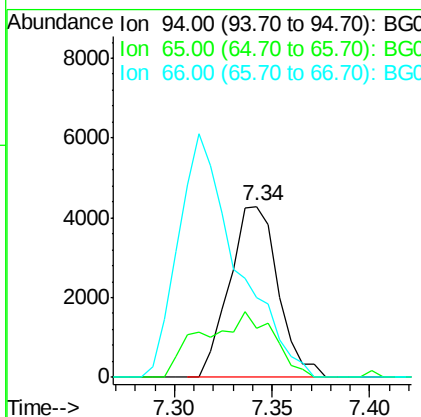
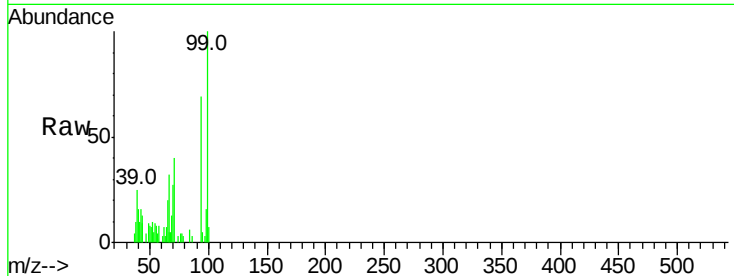
#6

Phenol

Concen: 1.142 ng/ul
 RT: 7.34 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BG029427.D
 Acq: 24 Oct 2017 16:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 94 Resp: 7409
 Ion Ratio Lower Upper
 94 100
 65 28.9 27.1 40.7
 66 47.0 34.6 52.0

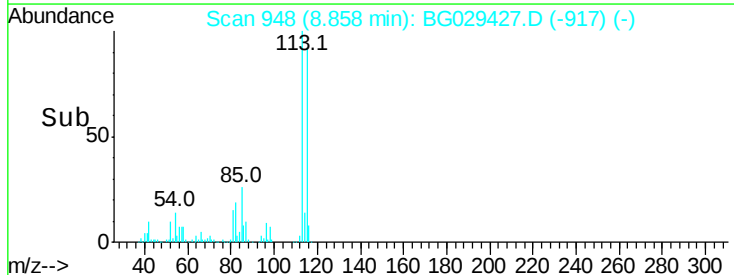
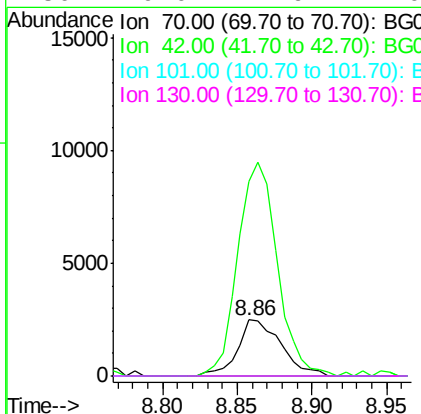
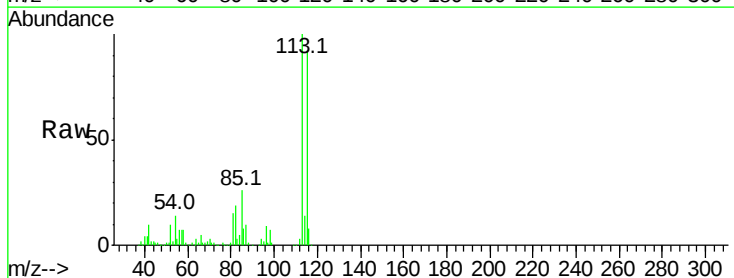


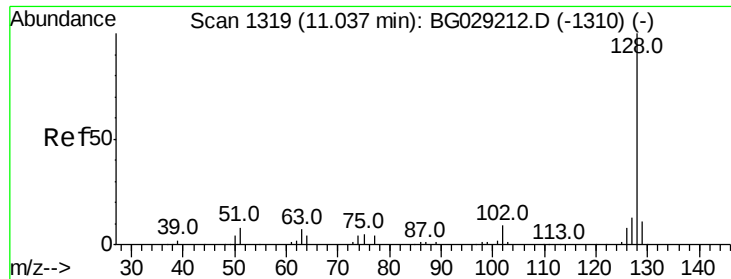
#15

N-Nitroso-di-n-propylamine

Concen: 1.170 ng/ul
 RT: 8.86 min Scan# 948
 Delta R.T. -0.12 min
 Lab File: BG029427.D
 Acq: 24 Oct 2017 16:41

Tgt Ion: 70 Resp: 5012
 Ion Ratio Lower Upper
 70 100
 42 347.8 51.7 77.5#
 101 0.0 7.6 11.4#
 130 0.0 14.6 22.0#





#28

Naphthalene

Concen: 1.094 ng/ul

RT: 11.03 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

Instrument :

BNA_G

ClientSampleId :

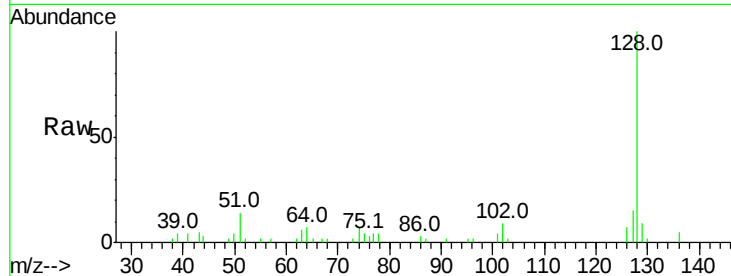
Tot Ion:128 Resp: 17964

Ion Ratio Lower Upper

128 100

129 9.4 9.3 13.9

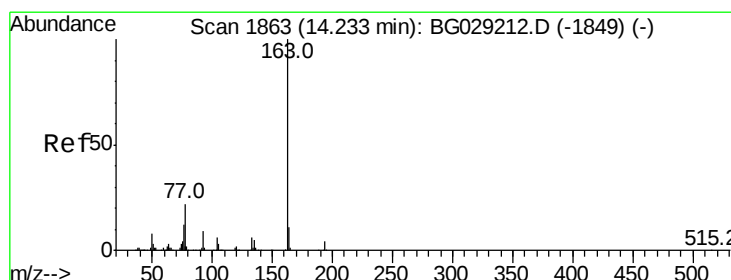
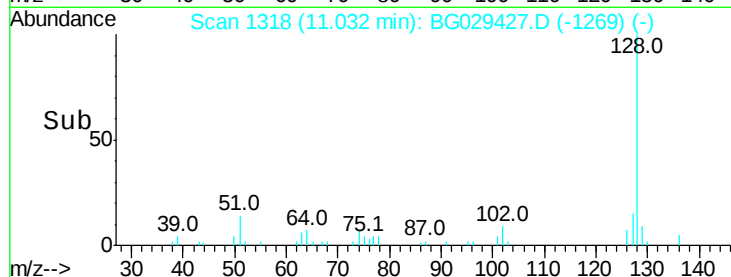
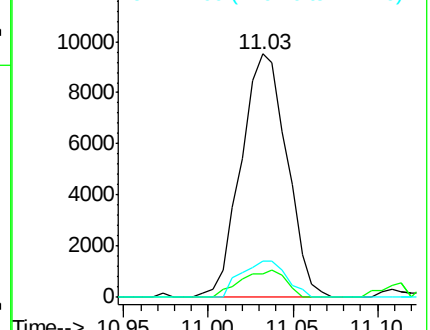
127 14.8 10.7 16.1



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



#44

Dimethylphthalate

Concen: 3.743 ng/ul

RT: 14.23 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

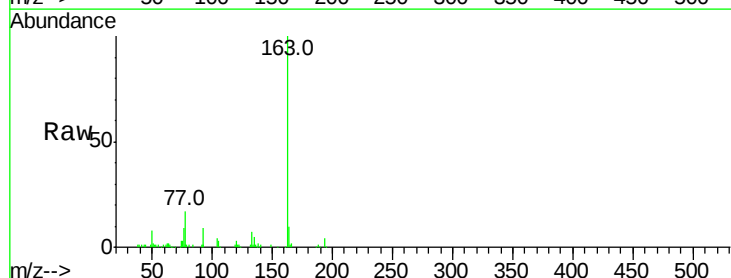
Tgt Ion:163 Resp: 64892

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

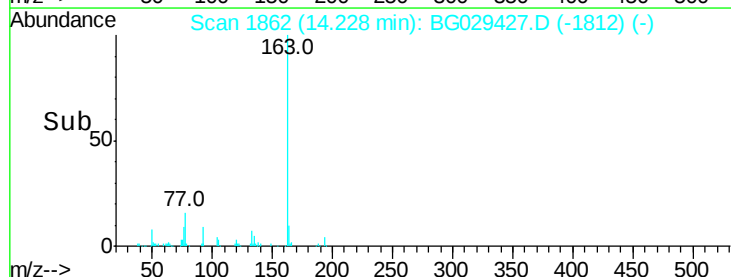
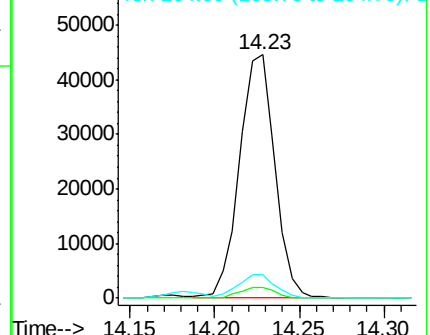
164 9.9 7.6 11.4

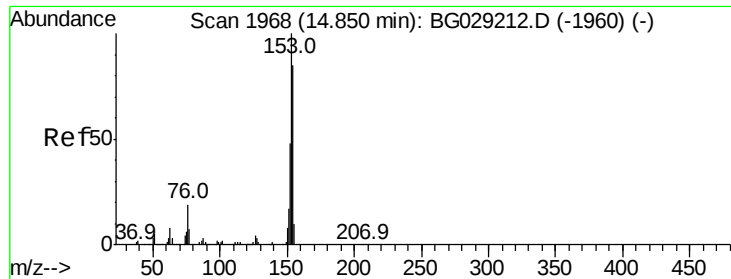


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 1.343 ng/ul

RT: 14.85 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

Instrument :

BNA_G

ClientSampleId :

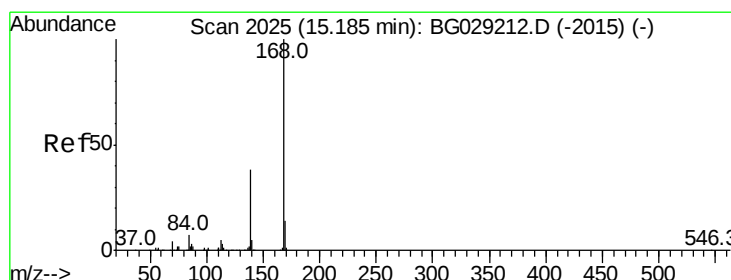
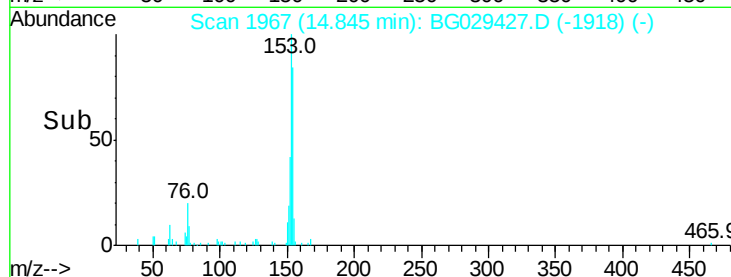
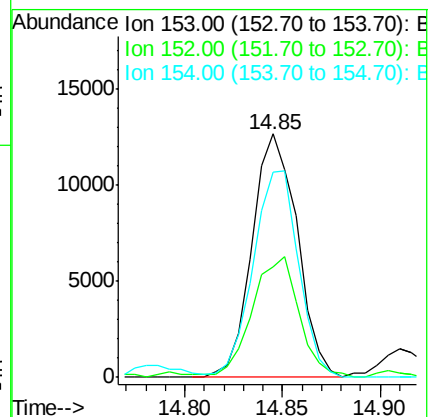
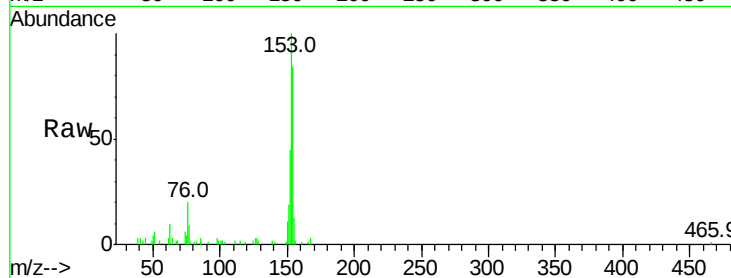
Tot Ion:153 Resp: 20268

Ion Ratio Lower Upper

153 100

152 45.4 38.2 57.2

154 84.3 70.6 105.8



#53

Dibenzofuran

Concen: 1.017 ng/ul

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG029427.D

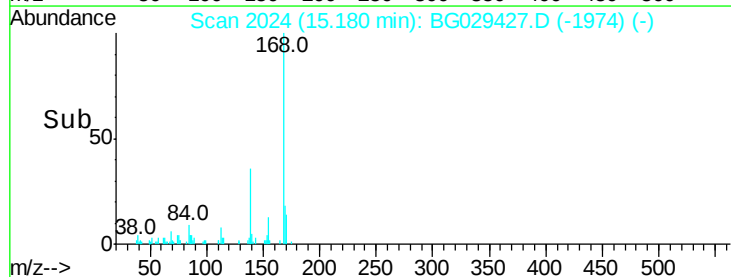
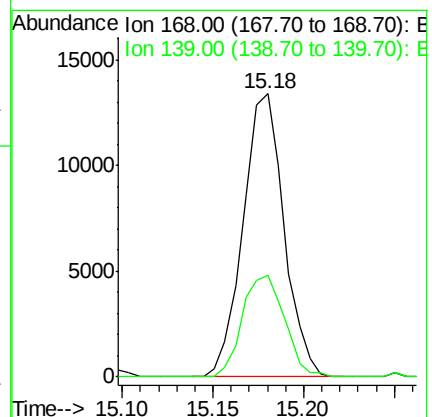
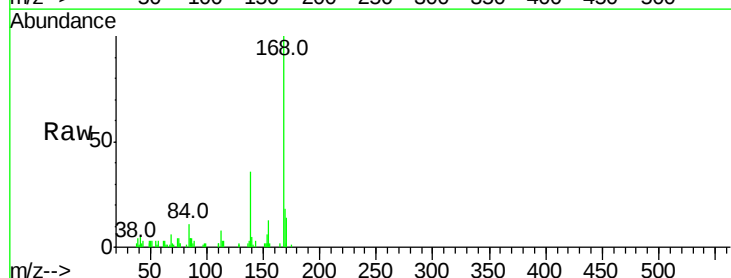
Acq: 24 Oct 2017 16:41

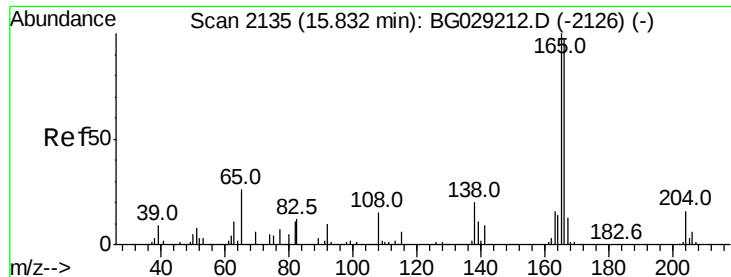
Tgt Ion:168 Resp: 20971

Ion Ratio Lower Upper

168 100

139 36.0 31.4 47.2





#58

Fluorene

Concen: 1.296 ng/ul

RT: 15.83 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

Instrument :

BNA_G

ClientSampleId :

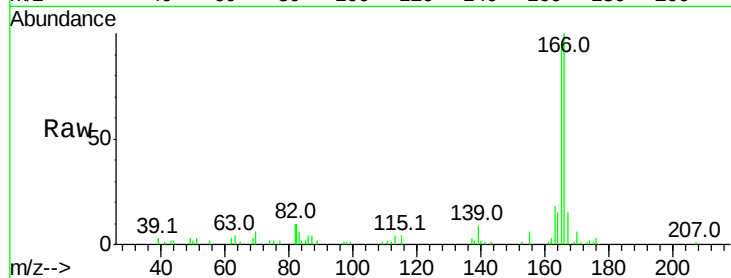
Tot Ion:166 Resp: 21329

Ion Ratio Lower Upper

166 100

165 94.8 79.9 119.9

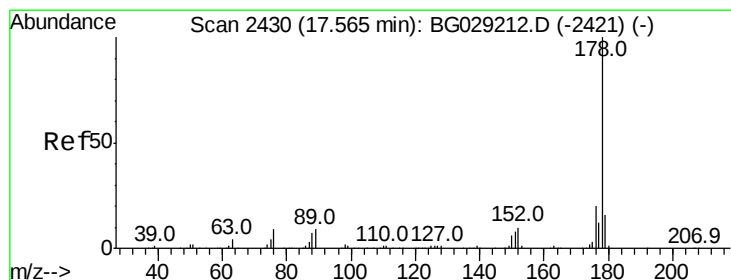
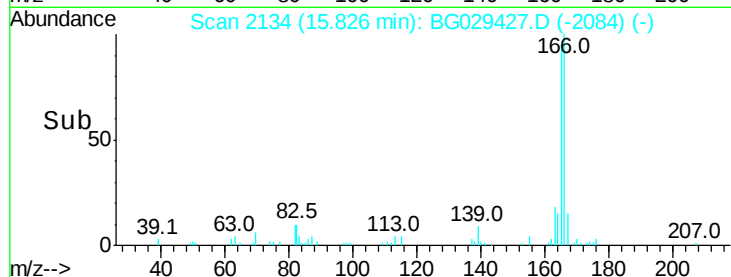
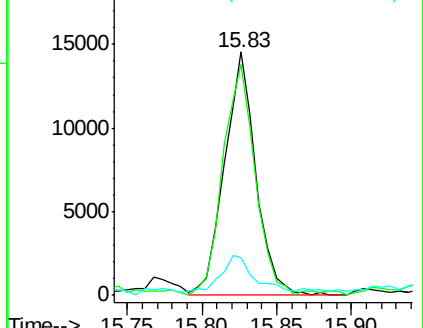
167 15.2 10.6 16.0



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



#69

Phenanthrene

Concen: 15.234 ng/ul

RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

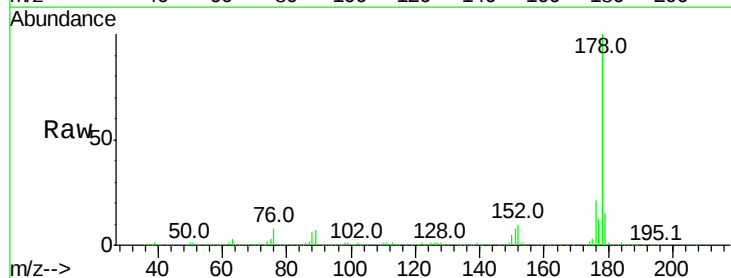
Tgt Ion:178 Resp: 403737

Ion Ratio Lower Upper

178 100

179 15.2 13.0 19.6

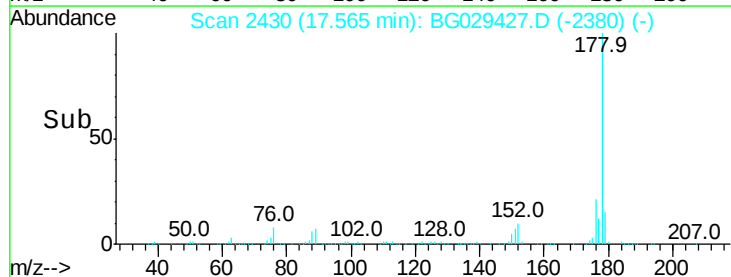
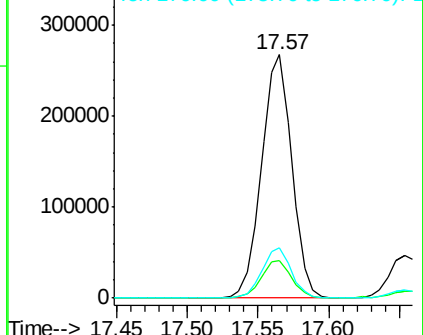
176 20.7 15.3 22.9

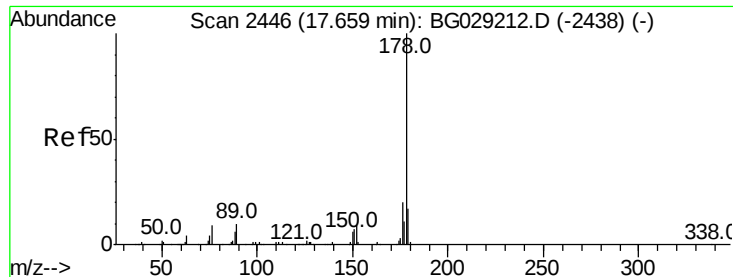


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

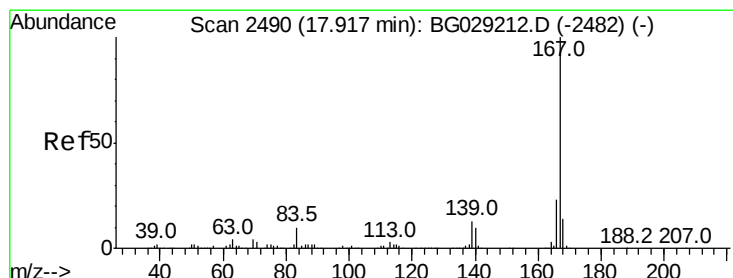
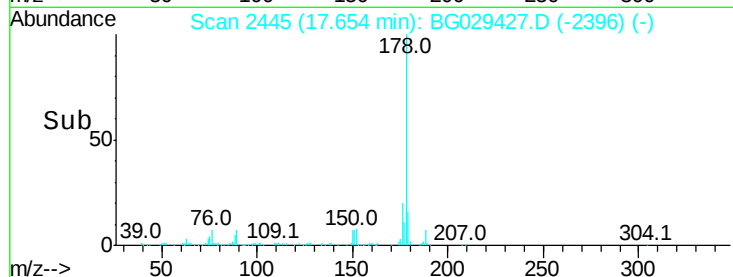
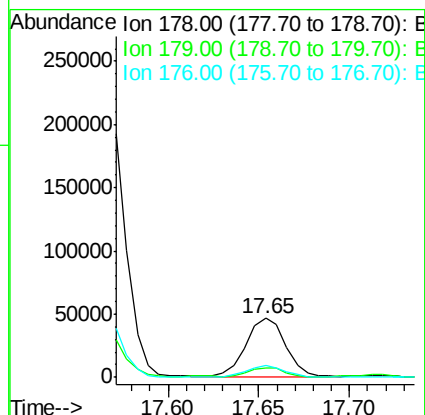
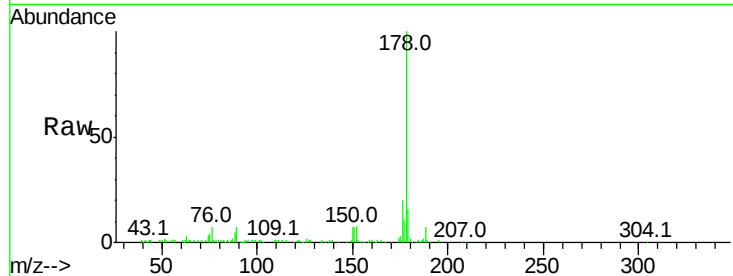




#71
 Anthracene
 Concen: 2.647 ng/ul
 RT: 17.65 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG029427.D
 Acq: 24 Oct 2017 16:41

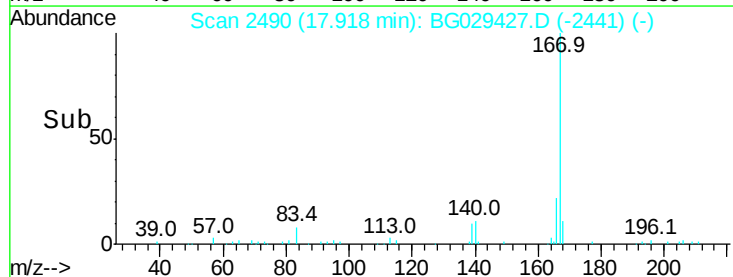
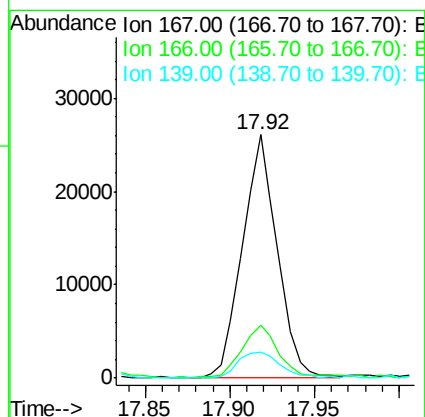
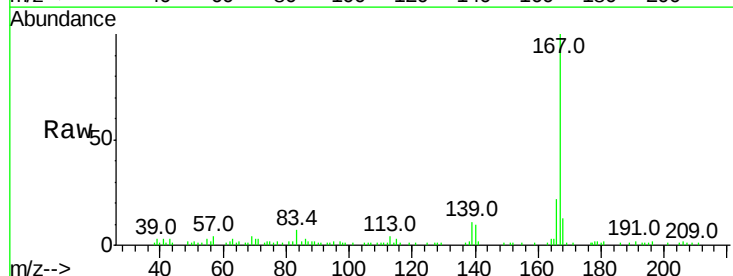
Instrument :
 BNA_G
 ClientSampled :

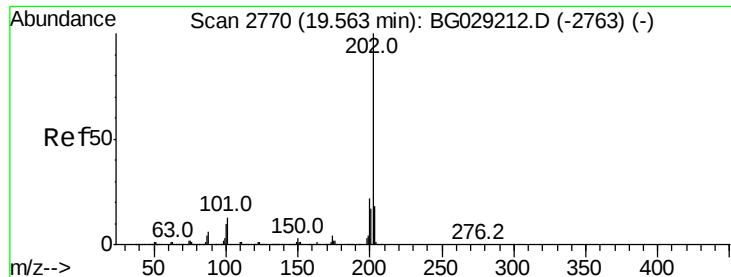
Tot Ion:178 Resp: 72392
 Ion Ratio Lower Upper
 178 100
 179 16.3 13.2 19.8
 176 19.5 16.0 24.0



#72
 Carbazole
 Concen: 1.528 ng/ul
 RT: 17.92 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BG029427.D
 Acq: 24 Oct 2017 16:41

Tgt Ion:167 Resp: 37562
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.6 28.0
 139 10.8 10.6 16.0





#74

Fluoranthene

Concen: 22.537 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

Instrument :

BNA_G

ClientSampleId :

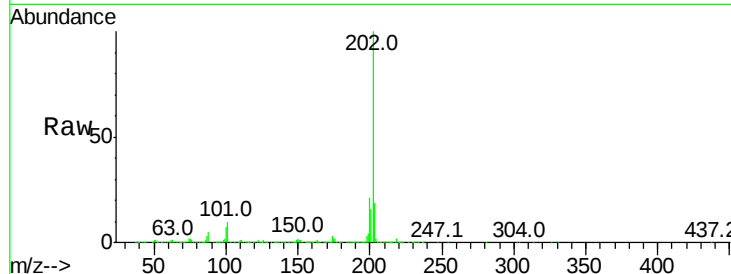
Tot Ion:202 Resp: 667519

Ion Ratio Lower Upper

202 100

101 9.8 7.4 11.2

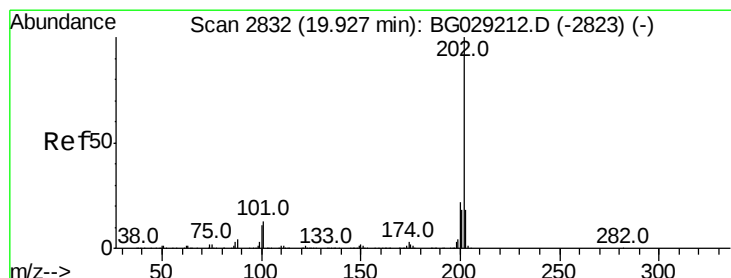
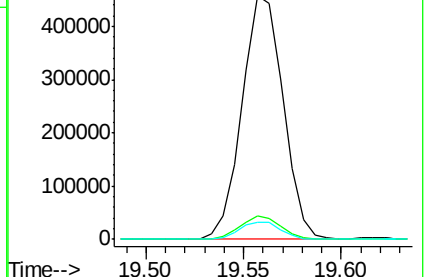
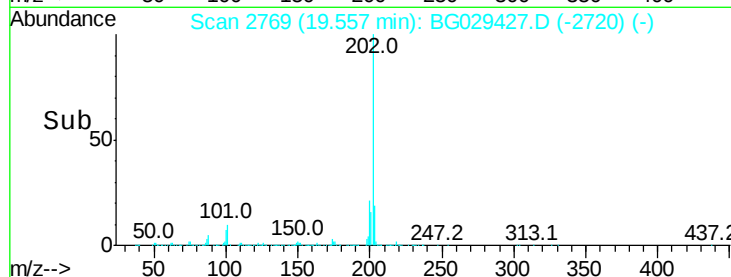
100 7.1 5.6 8.4



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



#77

Pyrene

Concen: 17.357 ng/ul

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

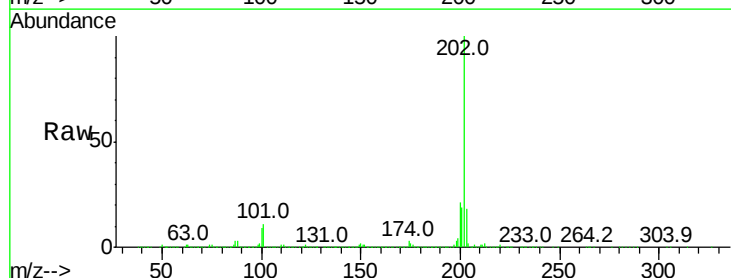
Tgt Ion:202 Resp: 604518

Ion Ratio Lower Upper

202 100

101 10.8 8.4 12.6

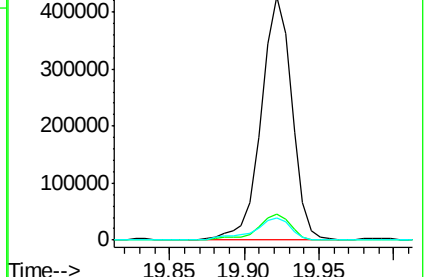
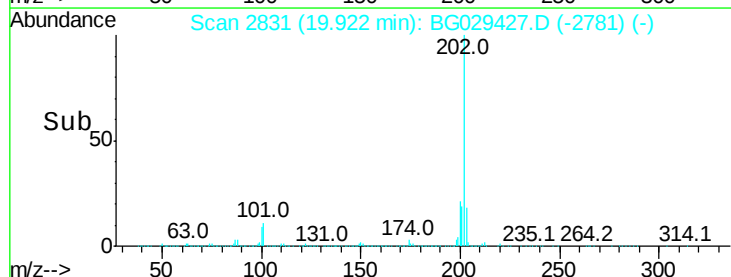
100 9.1 7.0 10.6

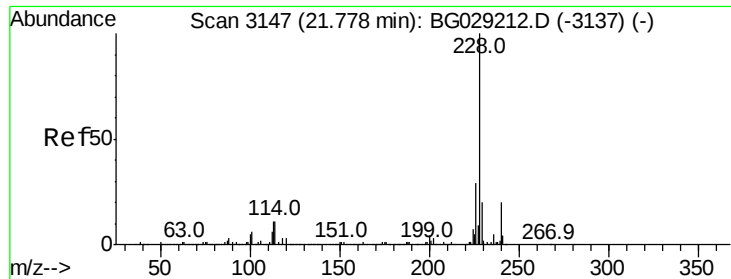


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

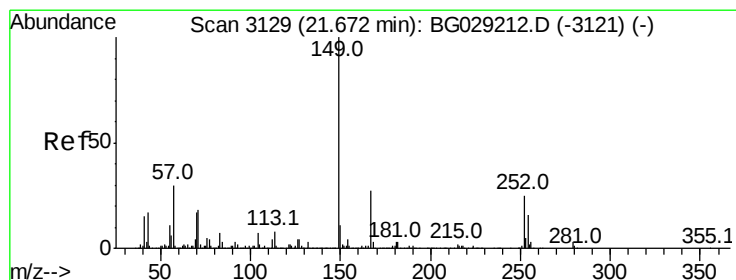
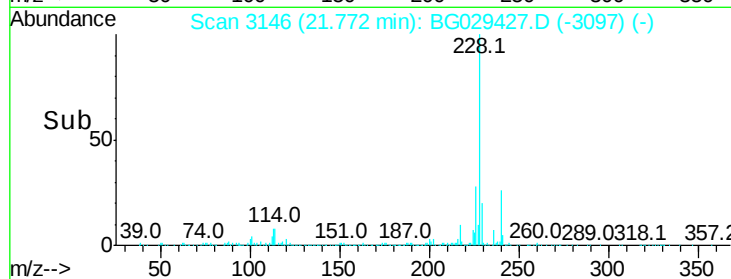
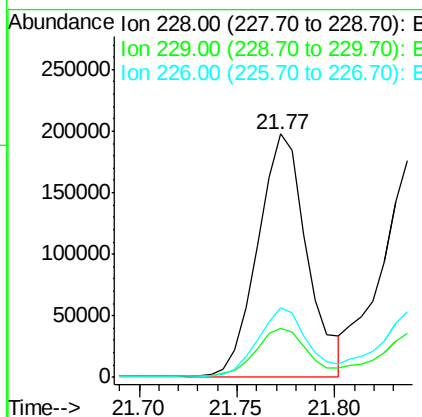
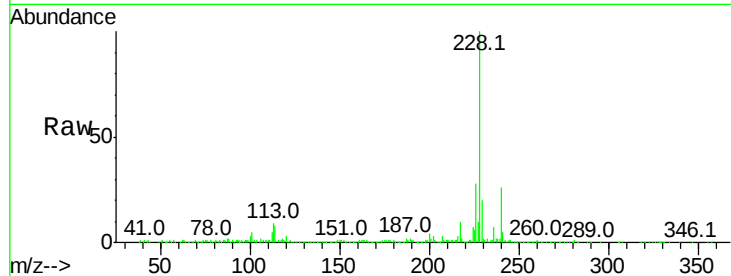




#80
Benzo(a)anthracene
Concen: 10.596 ng/ul
RT: 21.77 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG029427.D
Acq: 24 Oct 2017 16:41

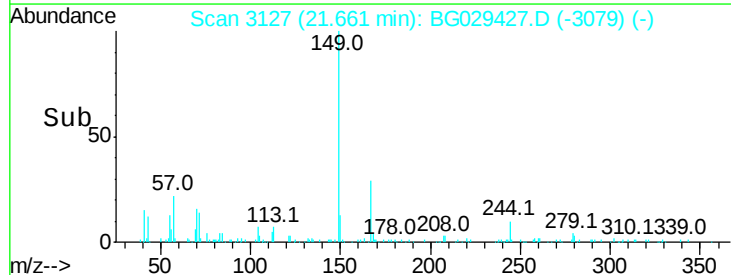
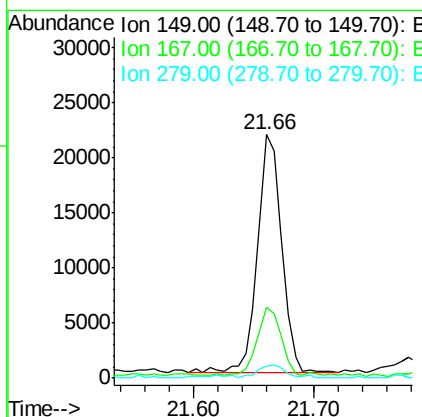
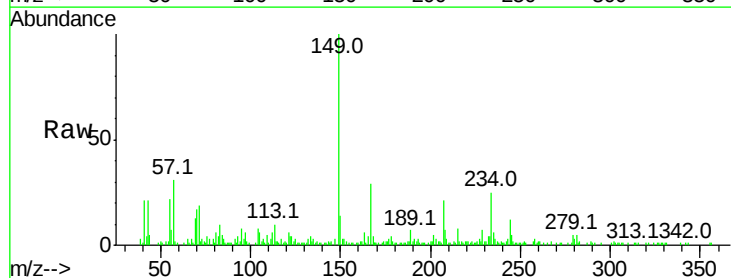
Instrument :
BNA_G
ClientSampled :

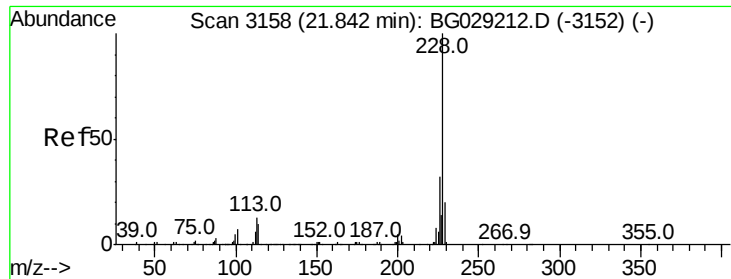
Tot Ion:228 Resp: 345083
Ion Ratio Lower Upper
228 100
229 20.0 16.2 24.4
226 28.5 22.2 33.2



#81
Bis(2-ethylhexyl)phthalate
Concen: 1.471 ng/ul
RT: 21.66 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BG029427.D
Acq: 24 Oct 2017 16:41

Tgt Ion:149 Resp: 30108
Ion Ratio Lower Upper
149 100
167 29.1 23.2 34.8
279 5.1 3.1 4.7#





#82

Chrysene

Concen: 11.377 ng/ul

RT: 21.84 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

Instrument :

BNA_G

ClientSampled :

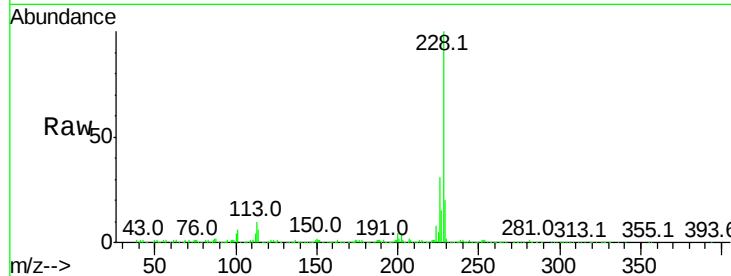
Tot Ion:228 Resp: 336651

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

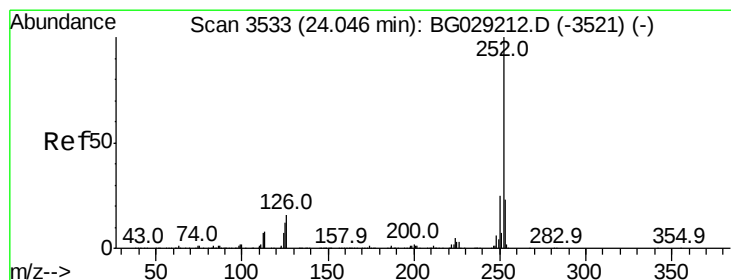
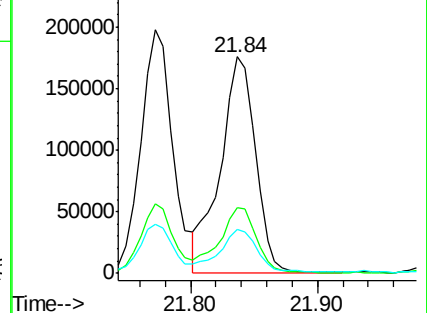
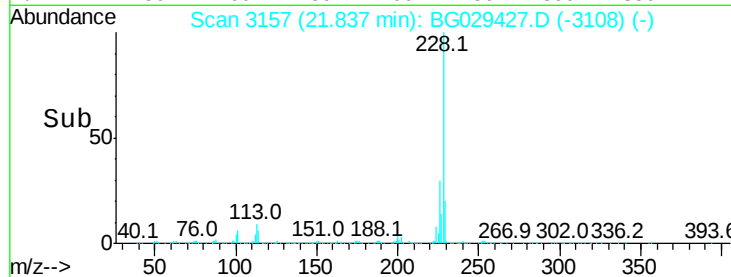
229 20.3 15.2 22.8



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



#85

Benzo(b)fluoranthene

Concen: 14.426 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. -0.02 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

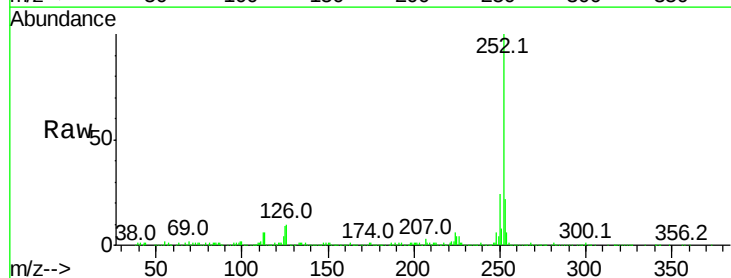
Tgt Ion:252 Resp: 449589

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

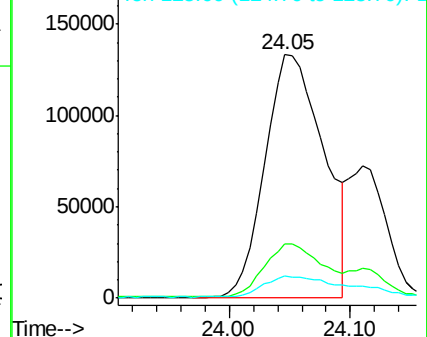
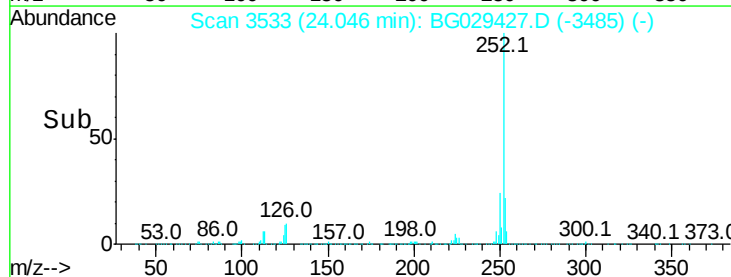
125 9.1 7.5 11.3

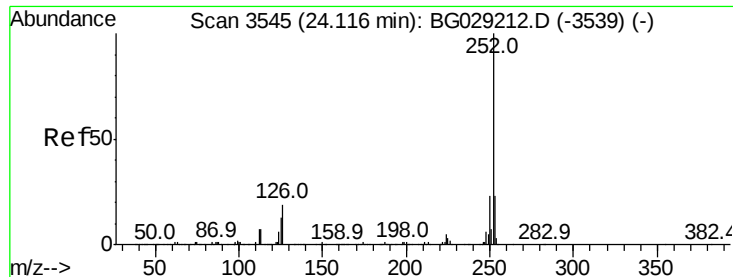


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 14.920 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. -0.09 min

Lab File: BG029427.D

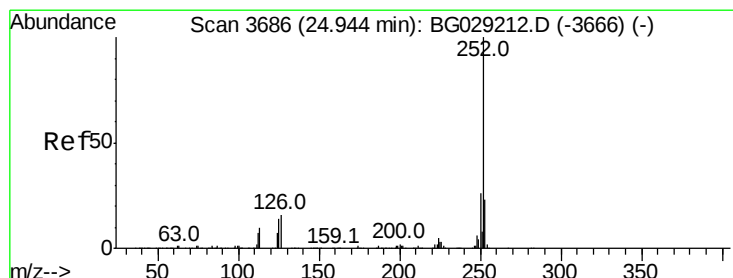
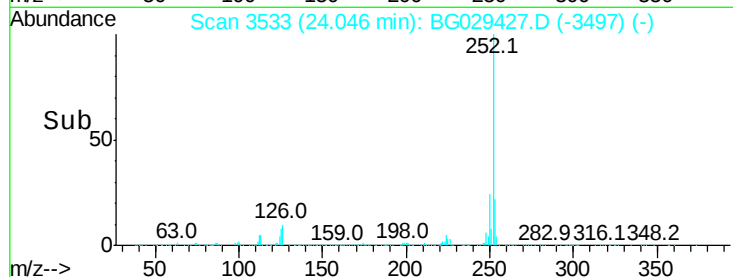
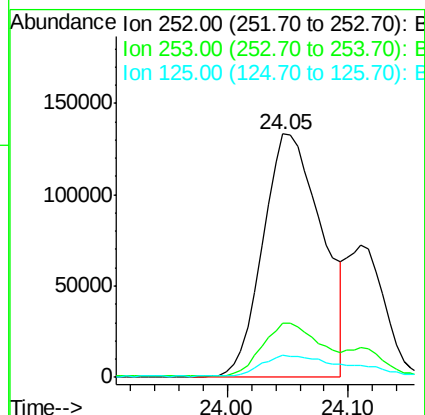
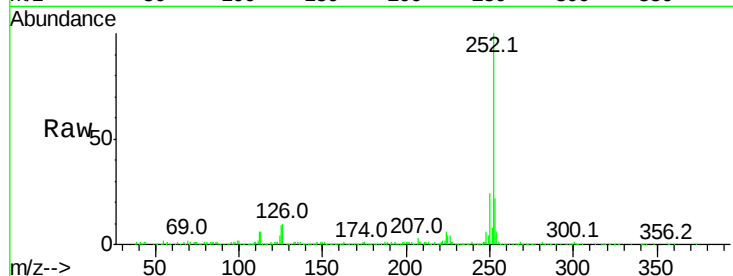
Acq: 24 Oct 2017 16:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	449589
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.2 25.8
125	9.1	7.8 11.8



#88

Benzo(a)pyrene

Concen: 9.957 ng/ul

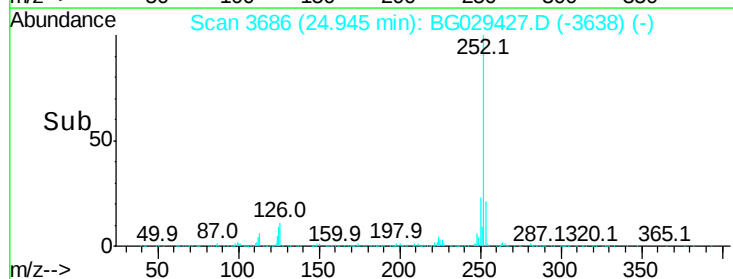
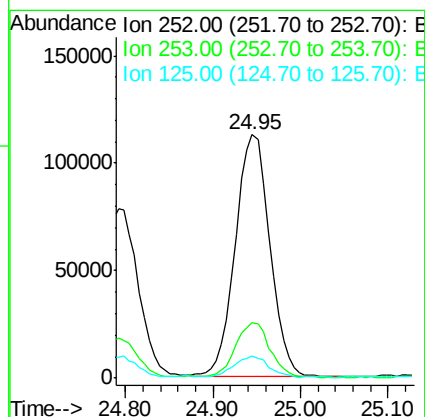
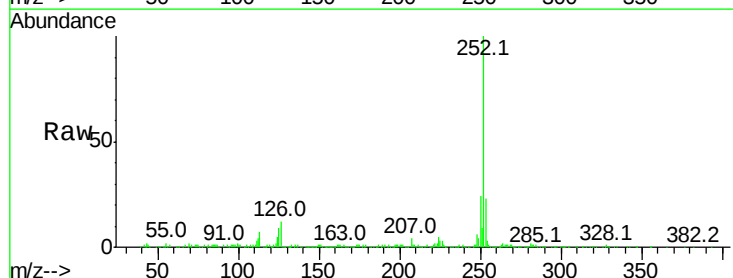
RT: 24.95 min Scan# 3686

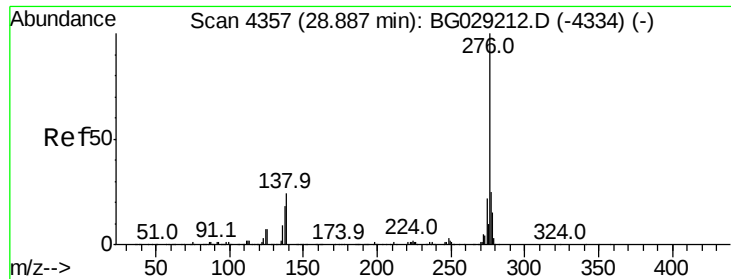
Delta R.T. -0.02 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

Tgt Ion:252	Resp:	302065
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.1 25.7
125	9.1	7.8 11.8



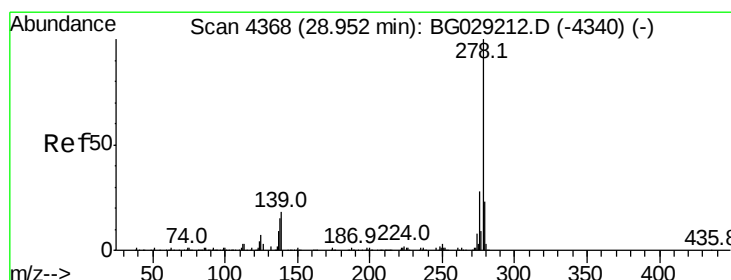
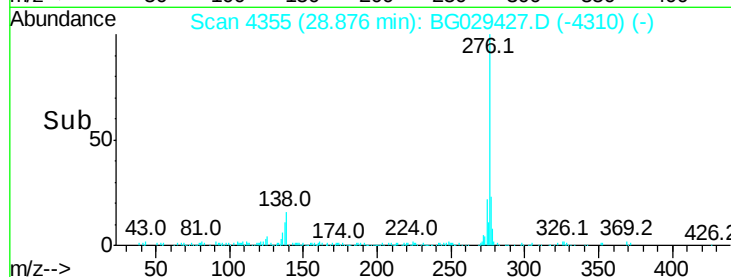
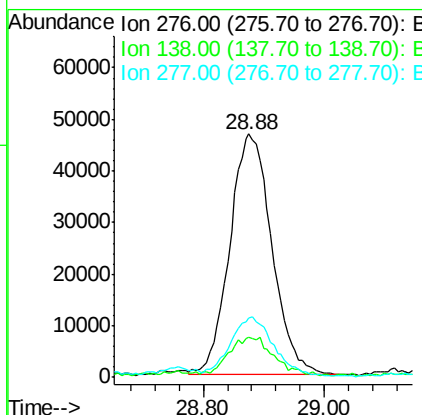
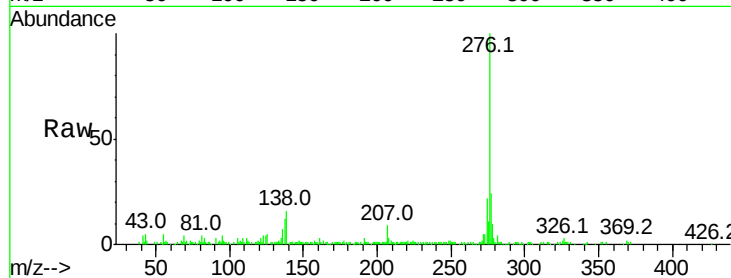


#89

Indeno(1,2,3-cd)pyrene
Concen: 6.549 ng/ul
RT: 28.88 min Scan# 4357
Delta R.T. -0.04 min
Lab File: BG029427.D
Acq: 24 Oct 2017 16:41

Instrument :
BNA_G
ClientSampleId :

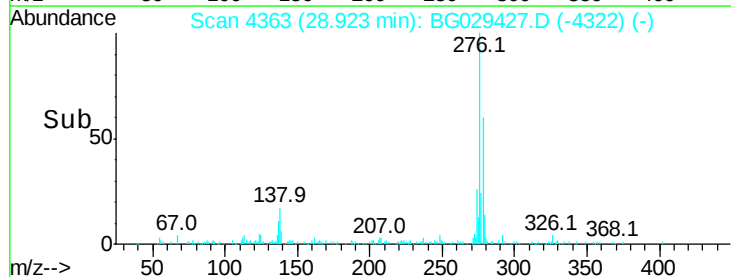
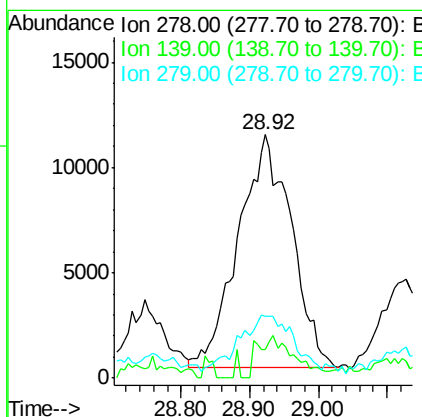
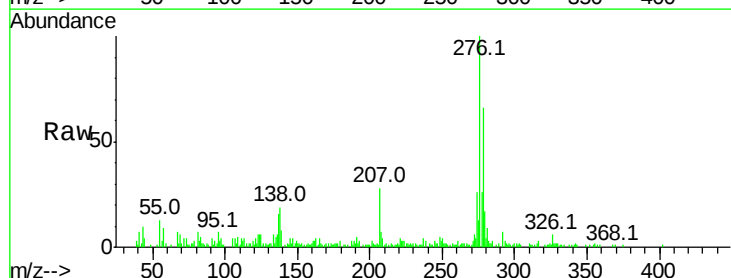
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.4	20.0
277	24.3	18.6	28.0

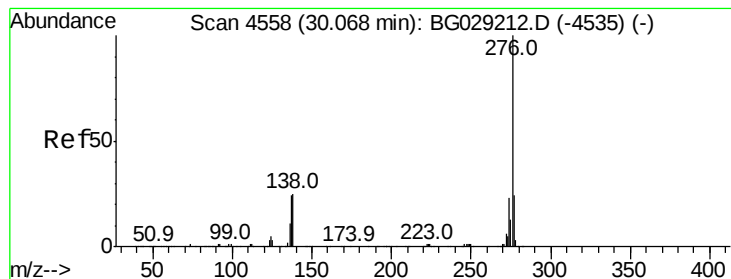


#90

Dibenzo(a,h)anthracene
Concen: 2.075 ng/ul
RT: 28.92 min Scan# 4363
Delta R.T. -0.06 min
Lab File: BG029427.D
Acq: 24 Oct 2017 16:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.5	9.4	14.2
279	25.2	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 7.064 ng/ul

RT: 30.07 min Scan# 4558

Delta R.T. -0.03 min

Lab File: BG029427.D

Acq: 24 Oct 2017 16:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 200986

Ion Ratio Lower Upper

276 100

138 17.9 12.1 18.1

277 25.9 17.7 26.5

