

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
 Data File : BG028477.D
 Acq On : 25 Aug 2017 2:03
 Operator : SJ/JU
 Sample : I4840-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AK6

Quant Time: Aug 25 03:54:14 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 03:52:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	42234	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	174504	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	112780	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	257998	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	318533	20.00	ng/ul	0.00
83) Perylene-d12	25.55	264	311881	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	4434	4.89	ng/uL	0.01
5) Phenol-d5	7.49	99	112464	24.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	67188	22.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	82604	28.23	ng/ul	0.00
13) 4-Methylphenol-d8	9.03	113	89749	23.15	ng/ul	0.00
19) Nitrobenzene-d5	9.50	128	42396	31.07	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	50760	33.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.77	165	97054	31.35	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	29597	8.59	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	306939	30.60	ng/ul	0.00
46) Acenaphthylene-d8	14.64	160	353340	31.24	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	33478	20.99	ng/ul	0.00
57) Fluorene-d10	15.94	176	258978	28.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.05	200	43271	25.82	ng/ul	0.00
70) Anthracene-d10	17.70	188	257998	20.85	ng/ul	-0.10
76) Pyrene-d10	20.07	212	487167	29.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	482530	33.05	ng/ul	0.02

Target Compounds

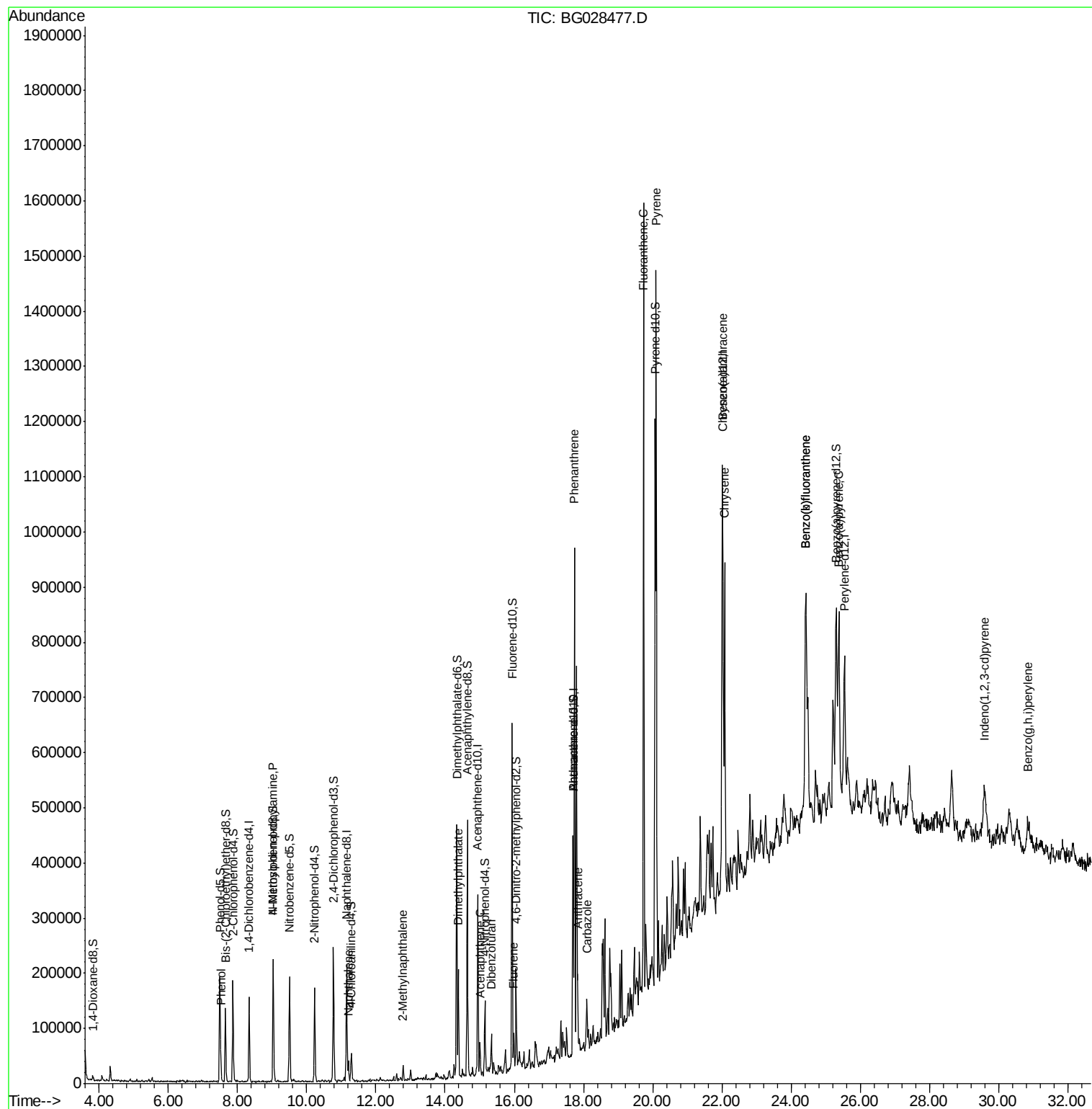
					Ovalue
6) Phenol	7.52	94	16036	3.479	ng/ul 100
15) N-Nitroso-di-n-propylamine	9.03	70	3204	1.020	ng/ul# 1
28) Naphthalene	11.21	128	29445	3.407	ng/ul# 92
34) 2-Methylnaphthalene	12.79	142	13514	1.947	ng/ul 95
44) Dimethylphthalate	14.38	163	117069	12.675	ng/ul 97
49) Acenaphthene	15.01	153	25520	3.500	ng/ul 93
53) Dibenzofuran	15.34	168	34175	3.214	ng/ul 98
58) Fluorene	15.99	166	27832	2.957	ng/ul 93
69) Phenanthrene	17.74	178	589599	45.410	ng/ul 99
71) Anthracene	17.83	178	93677	7.059	ng/ul 97
72) Carbazole	18.10	167	54513	4.724	ng/ul 93
74) Fluoranthene	19.74	202	915013	57.988	ng/ul 99
77) Pyrene	20.10	202	835852	43.983	ng/ul 100
80) Benzo(a)anthracene	22.01	228	474885	25.802	ng/ul 98
82) Chrysene	22.08	228	476187	28.729	ng/ul 97
85) Benzo(b)fluoranthene	24.43	252	560375	30.025	ng/ul# 94
86) Benzo(k)fluoranthene	24.43	252	560375	30.739	ng/ul# 96
88) Benzo(a)pyrene	25.38	252	428069	23.689	ng/ul 99
89) Indeno(1,2,3-cd)pyrene	29.58	276	228793	10.812	ng/ul# 96
91) Benzo(g,h,i)perylene	30.85	276	76560	4.398	ng/ul 97

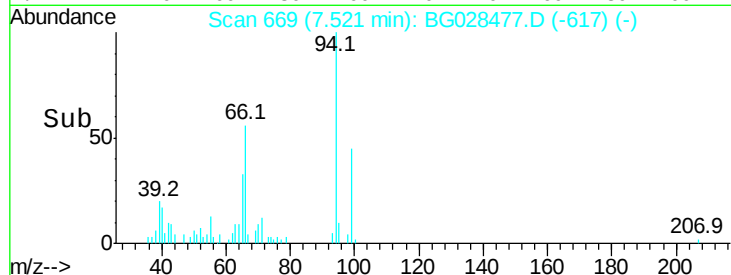
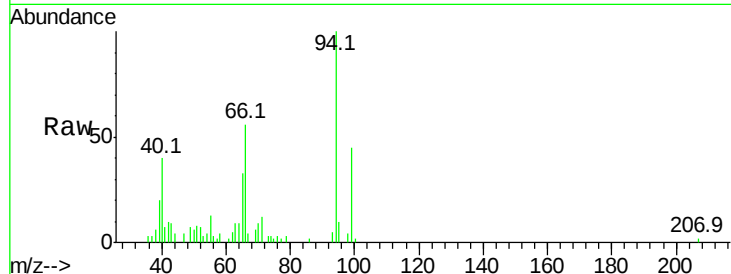
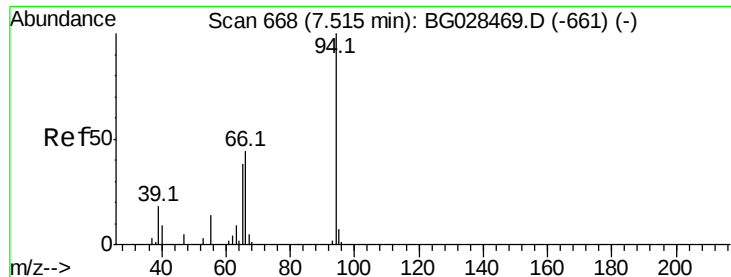
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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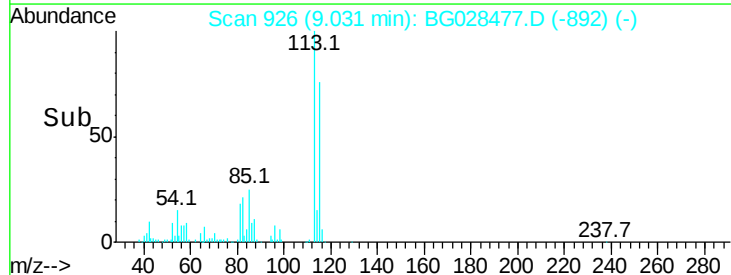
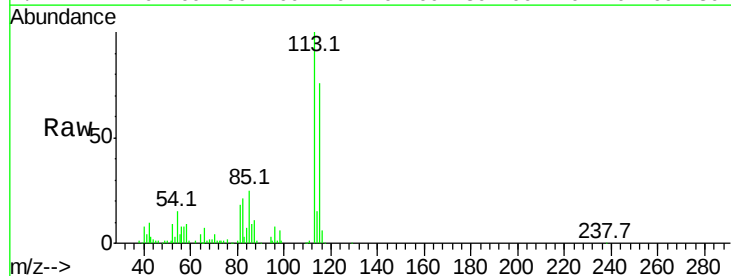
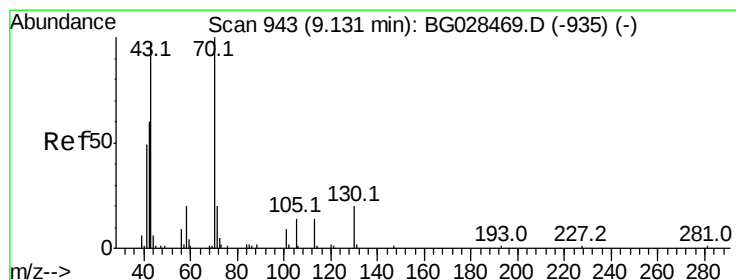
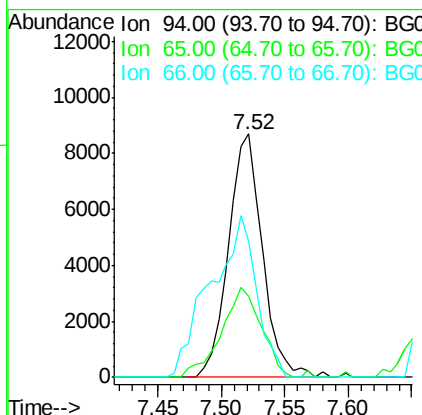




#6
Phenol
Concen: 3.479 ng/ul
RT: 7.52 min Scan# 669
Delta R.T. 0.01 min
Lab File: BG028477.D
Acq: 25 Aug 2017 2:03

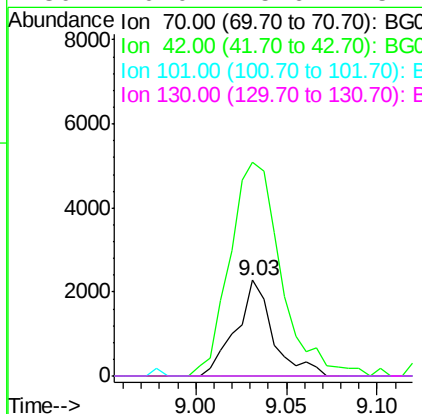
Instrument :
BNA_G
ClientSampleId :
B0AK6

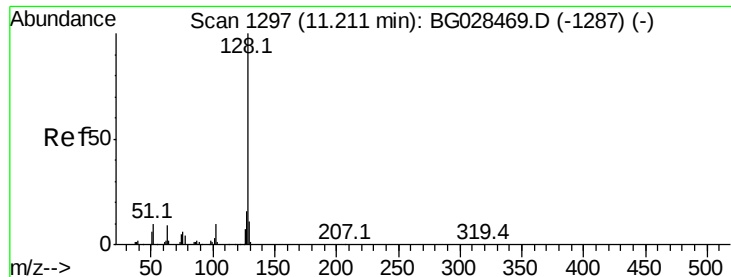
Tot Ion	94	Resp	16036
Ion Ratio	Lower	Upper	
94	100		
65	33.5	26.8	40.2
66	55.9	44.4	66.6



#15
N-Nitroso-di-n-propylamine
Concen: 1.020 ng/ul
RT: 9.03 min Scan# 926
Delta R.T. -0.10 min
Lab File: BG028477.D
Acq: 25 Aug 2017 2:03

Tgt Ion	70	Resp	3204
Ion Ratio	Lower	Upper	
70	100		
42	223.9	59.0	88.6#
101	0.0	6.6	9.8#
130	0.0	15.6	23.4#

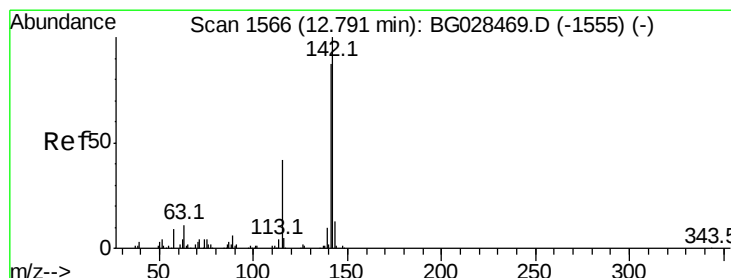
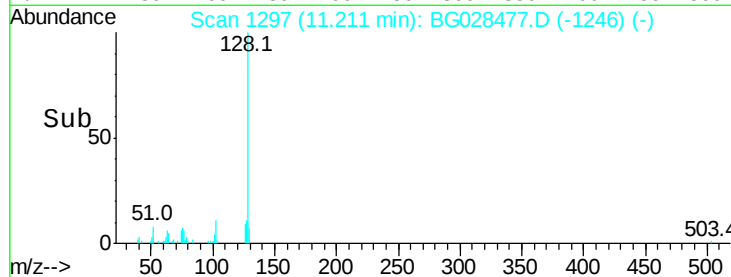
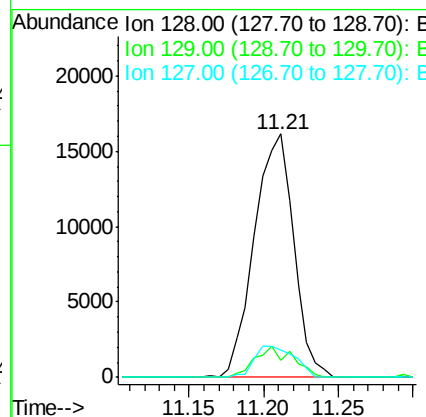
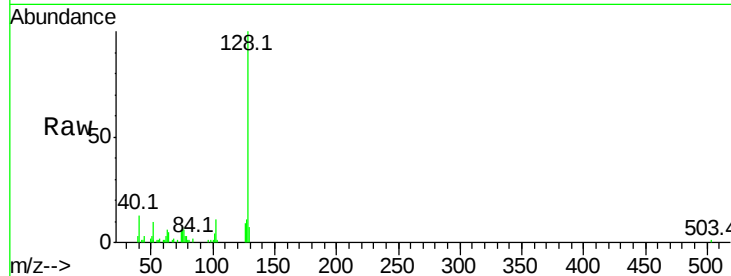




#28
Naphthalene
Concen: 3.407 ng/ul
RT: 11.21 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG028477.D
Acq: 25 Aug 2017 2:03

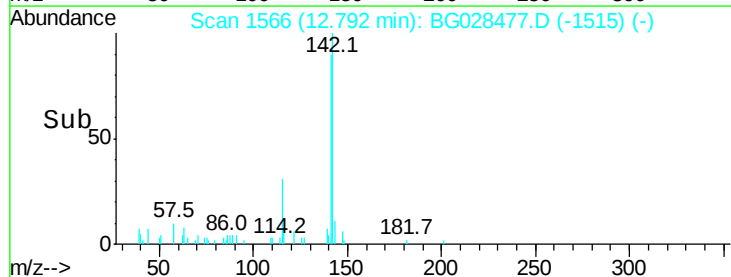
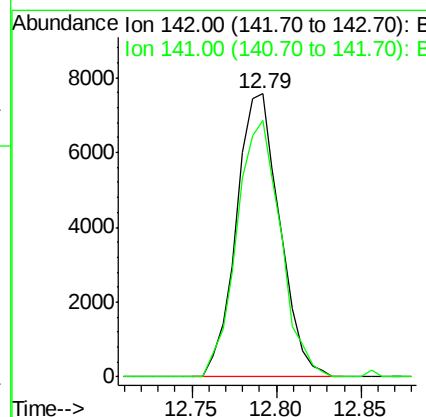
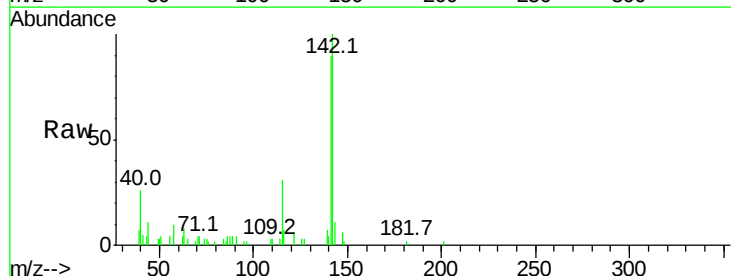
Instrument :
BNA_G
ClientSampleId :
B0AK6

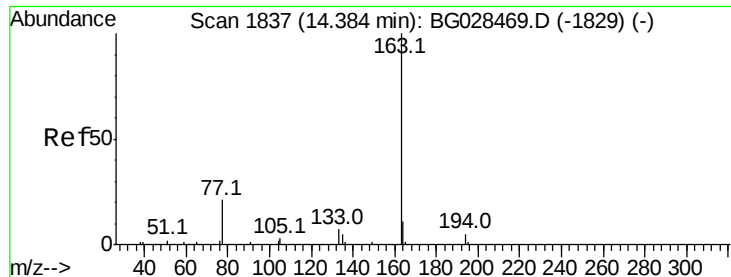
Tot Ion	Ratio	Lower	Upper
128	100		
129	7.2	9.4	14.2#
127	11.3	10.3	15.5



#34
2-Methylnaphthalene
Concen: 1.947 ng/ul
RT: 12.79 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BG028477.D
Acq: 25 Aug 2017 2:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	68.6	102.8





#44

Dimethylphthalate

Concen: 12.675 ng/ul

RT: 14.38 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

Instrument :

BNA_G

ClientSampleId :

B0AK6

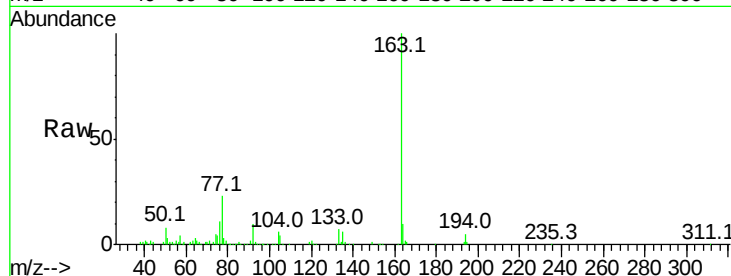
Tot Ion:163 Resp: 117069

Ion Ratio Lower Upper

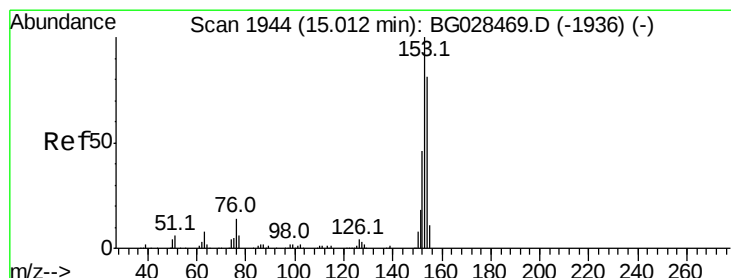
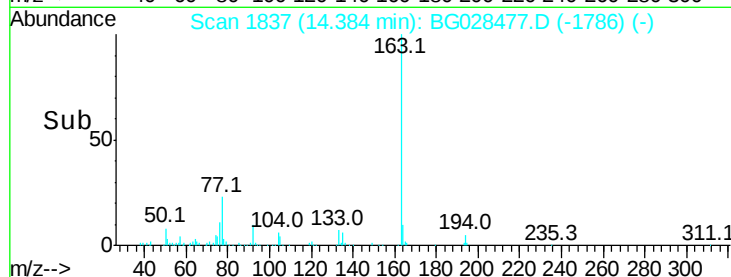
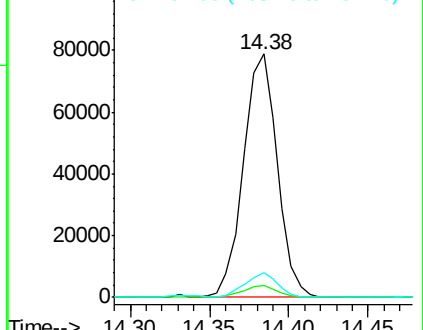
163 100

194 4.7 3.4 5.0

164 10.1 9.0 13.4



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: 3.500 ng/ul

RT: 15.01 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

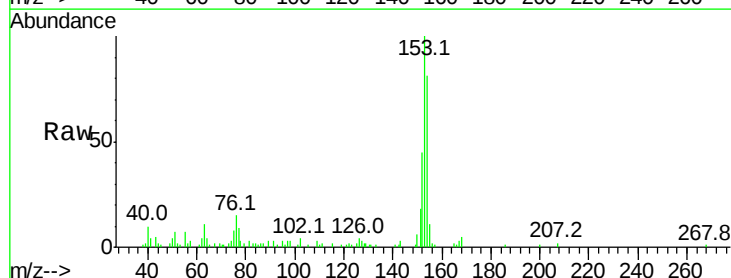
Tgt Ion:153 Resp: 25520

Ion Ratio Lower Upper

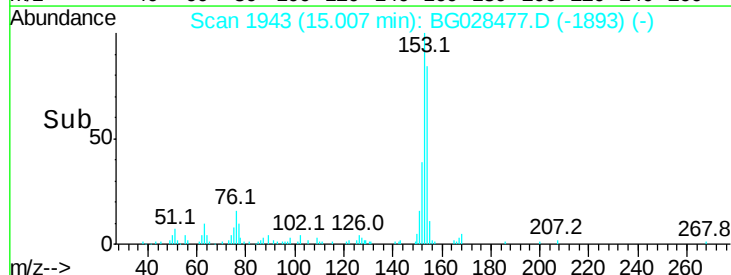
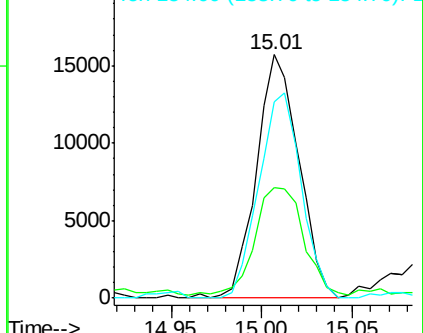
153 100

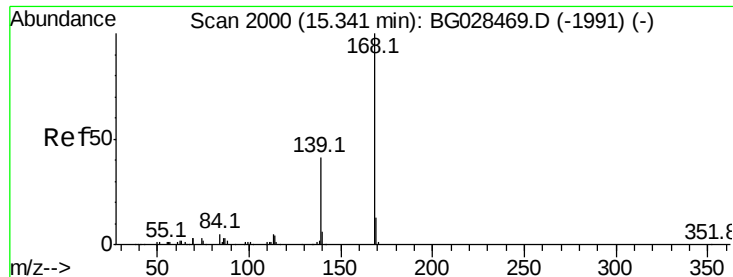
152 45.3 36.5 54.7

154 80.6 72.3 108.5



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





#53

Dibenzenofuran

Concen: 3.214 ng/ul

RT: 15.34 min Scan# 2000

Delta R.T. 0.00 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

Instrument :

BNA_G

ClientSampleId :

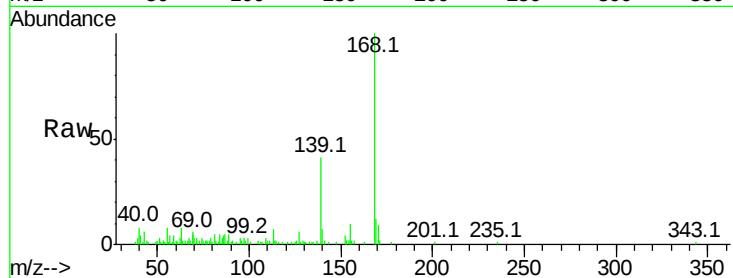
B0AK6

Tot Ion:168 Resp: 34175

Ion Ratio Lower Upper

168 100

139 40.9 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.34

25000

20000

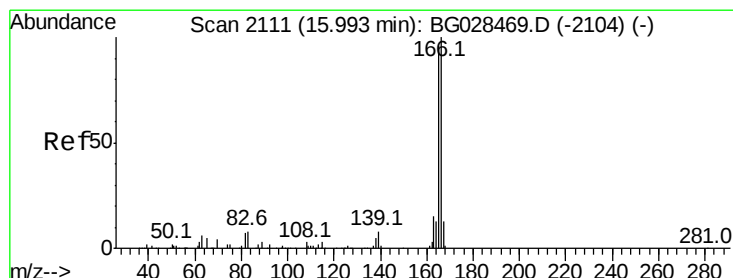
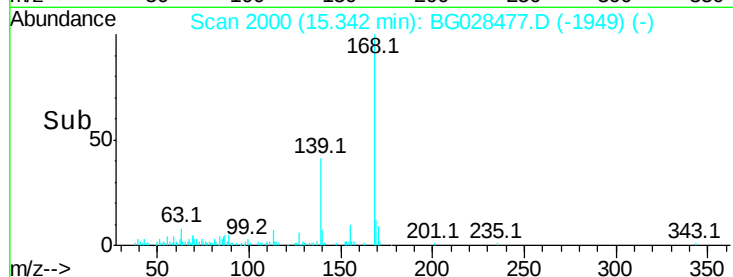
15000

10000

5000

0

Time-->



#58

Fluorene

Concen: 2.957 ng/ul

RT: 15.99 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

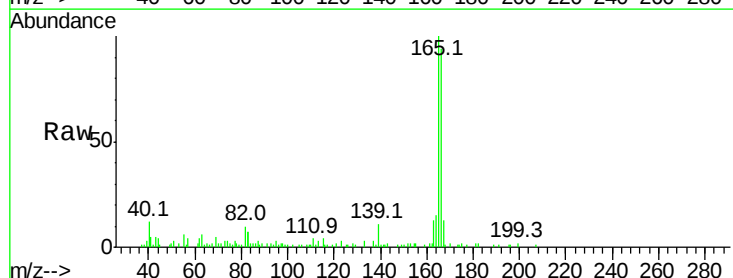
Tgt Ion:166 Resp: 27832

Ion Ratio Lower Upper

166 100

165 106.9 79.7 119.5

167 13.6 11.4 17.2



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

15.99

25000

20000

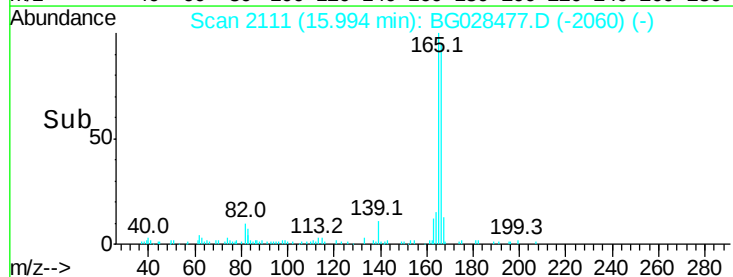
15000

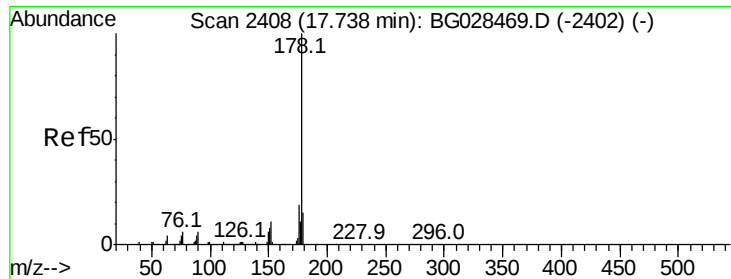
10000

5000

0

Time-->





#69

Phenanthrene

Concen: 45.410 ng/ul

RT: 17.74 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

Instrument :

BNA_G

ClientSampled :

B0AK6

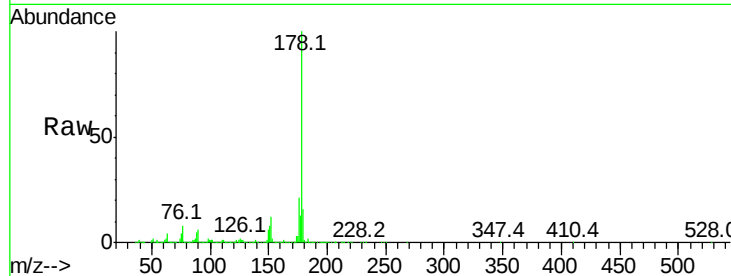
Tot Ion:178 Resp: 589599

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

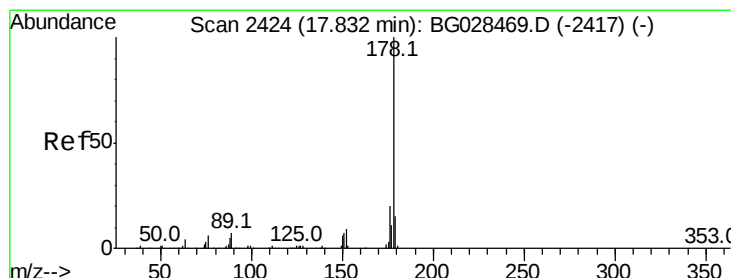
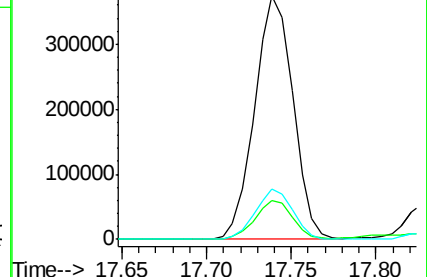
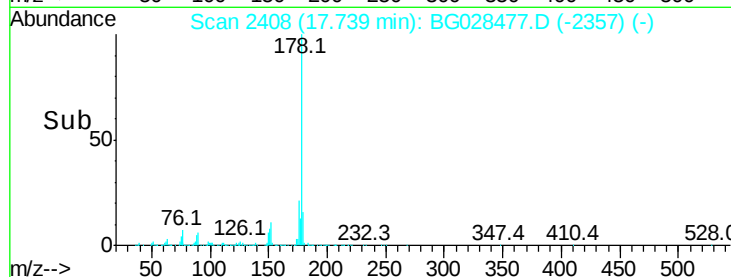
176 20.6 16.5 24.7



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: 7.059 ng/ul

RT: 17.83 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

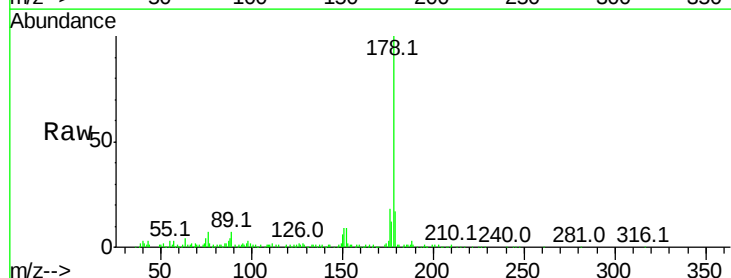
Tgt Ion:178 Resp: 93677

Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

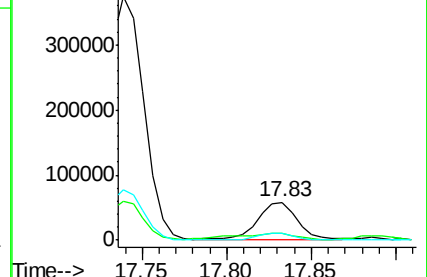
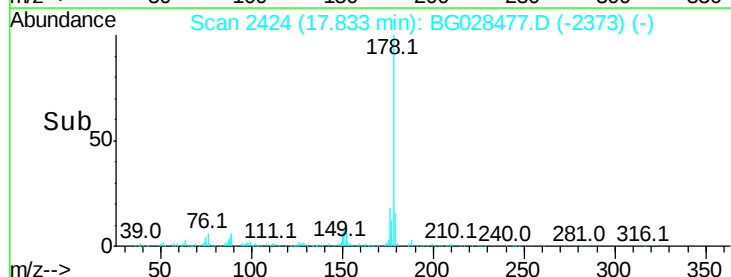
176 18.0 15.9 23.9

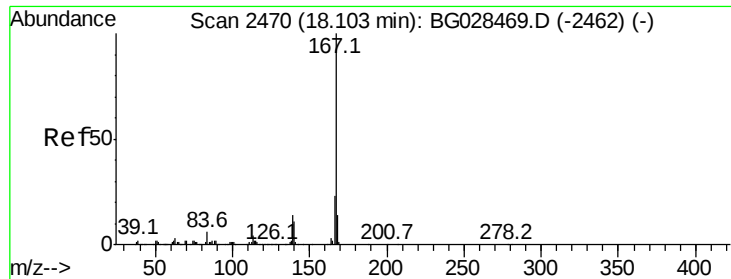


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.724 ng/ul

RT: 18.10 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

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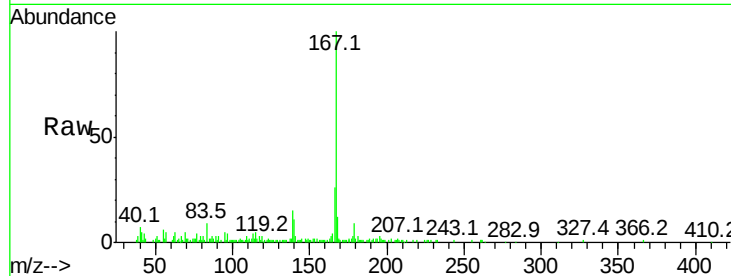
Tot Ion:167 Resp: 54513

Ion Ratio Lower Upper

167 100

166 26.1 17.9 26.9

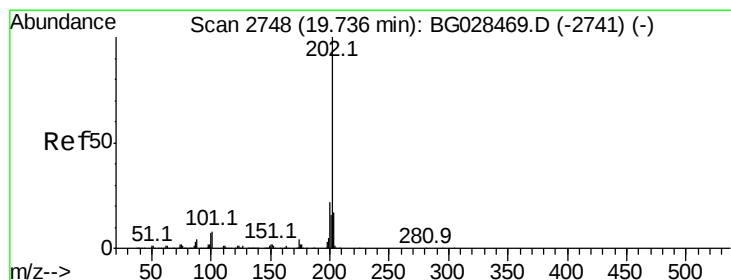
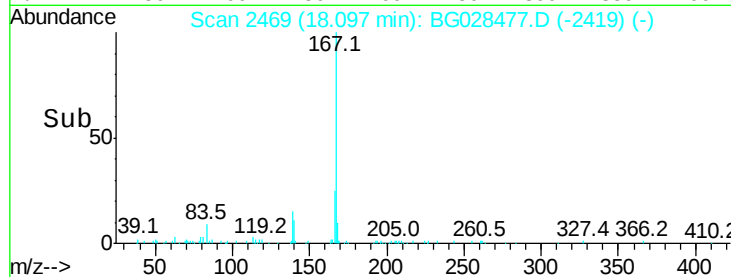
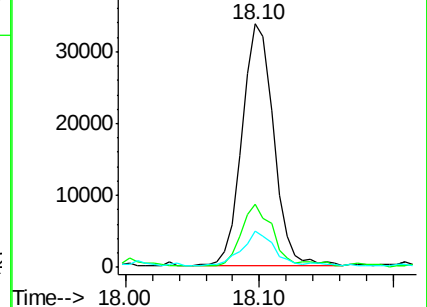
139 15.1 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 57.988 ng/ul

RT: 19.74 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

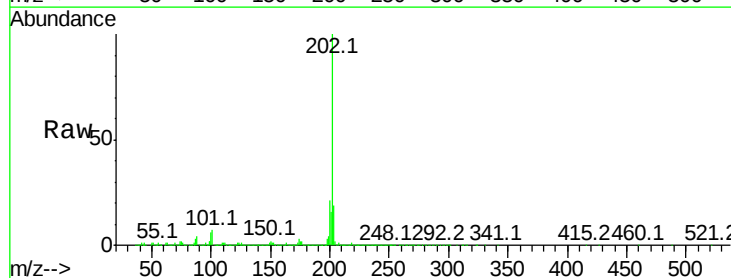
Tgt Ion:202 Resp: 915013

Ion Ratio Lower Upper

202 100

101 7.3 6.2 9.2

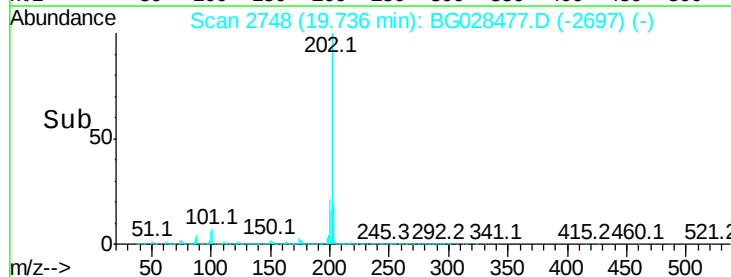
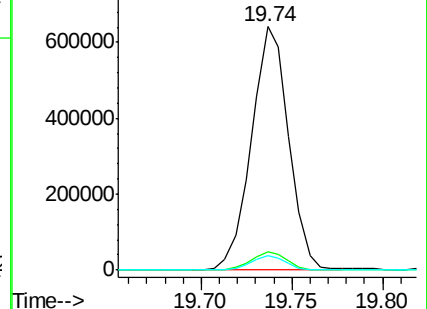
100 6.1 5.2 7.8

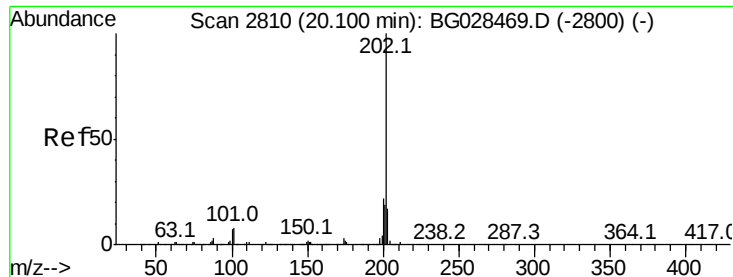


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 43.983 ng/ul

RT: 20.10 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

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BNA_G

ClientSampleId :

B0AK6

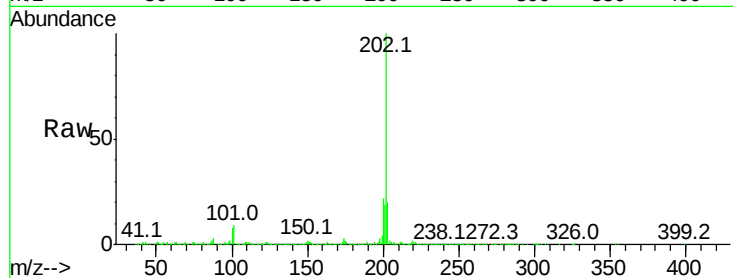
Tot Ion:202 Resp: 835852

Ion Ratio Lower Upper

202 100

101 8.5 6.9 10.3

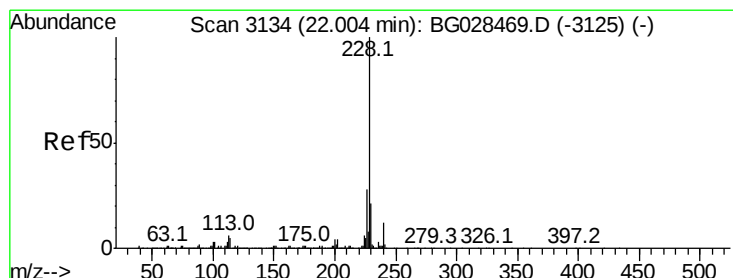
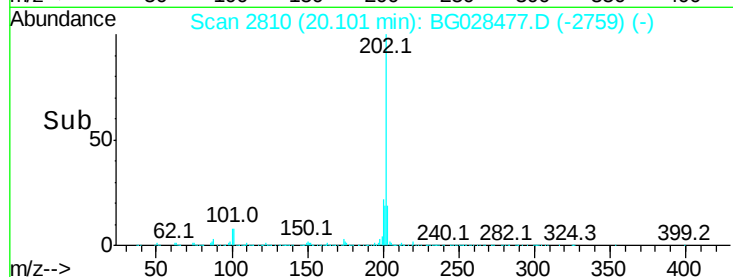
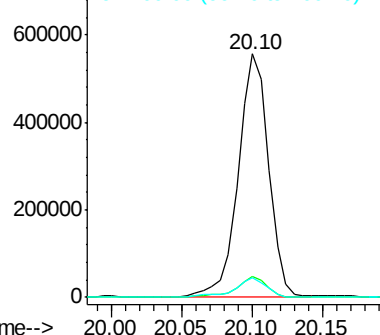
100 8.3 6.6 10.0



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): E



#80

Benzo(a)anthracene

Concen: 25.802 ng/ul

RT: 22.01 min Scan# 3135

Delta R.T. 0.01 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

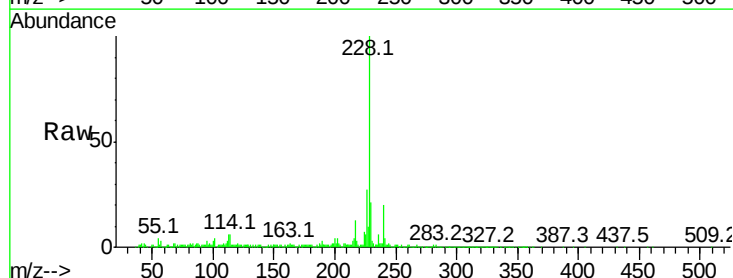
Tgt Ion:228 Resp: 474885

Ion Ratio Lower Upper

228 100

229 21.5 16.3 24.5

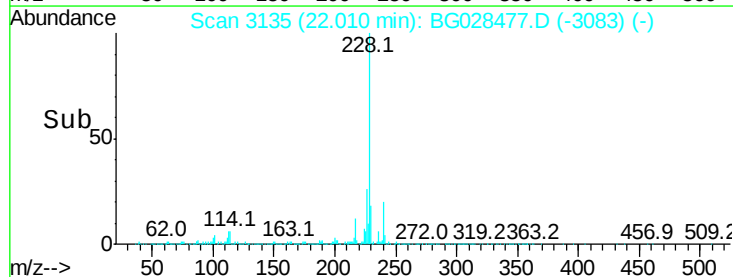
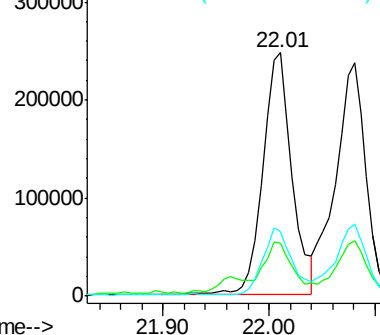
226 26.7 21.9 32.9

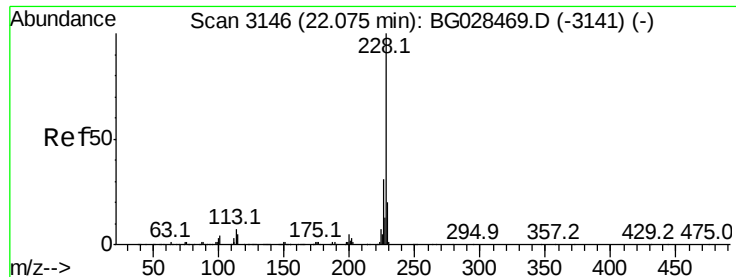


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 28.729 ng/ul

RT: 22.08 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

Instrument :

BNA_G

ClientSampleId :

B0AK6

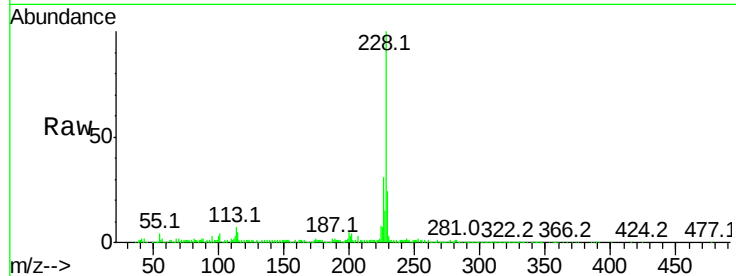
Tot Ion:228 Resp: 476187

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

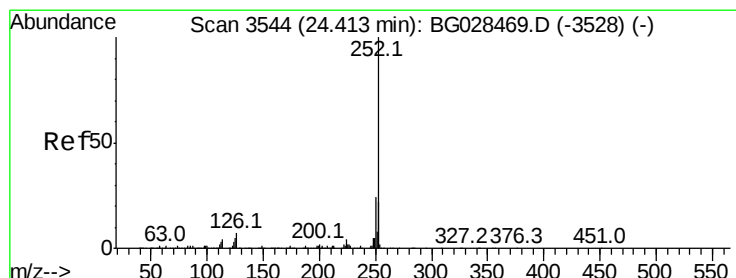
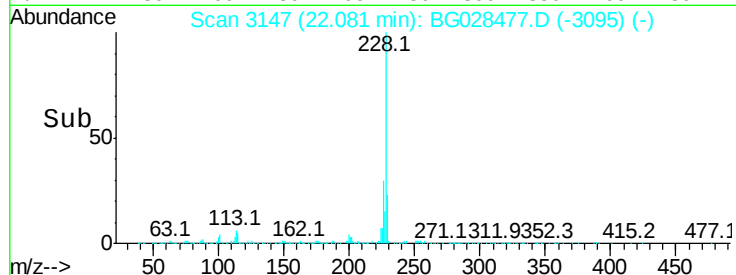
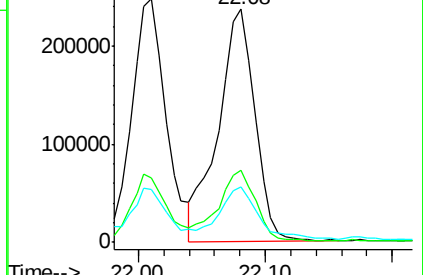
229 23.5 16.9 25.3



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: 30.025 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. 0.02 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

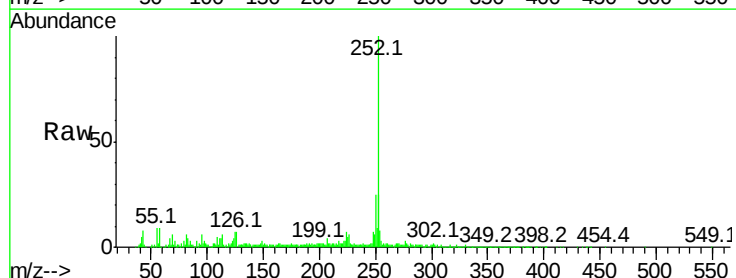
Tgt Ion:252 Resp: 560375

Ion Ratio Lower Upper

252 100

253 24.6 17.7 26.5

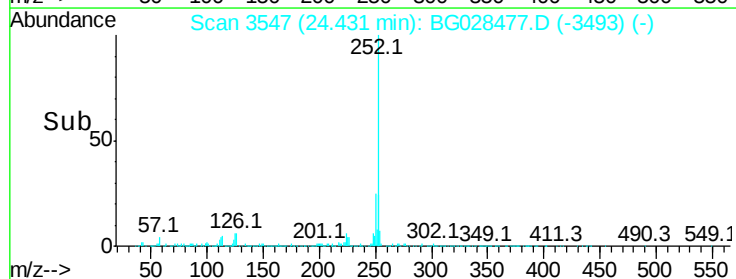
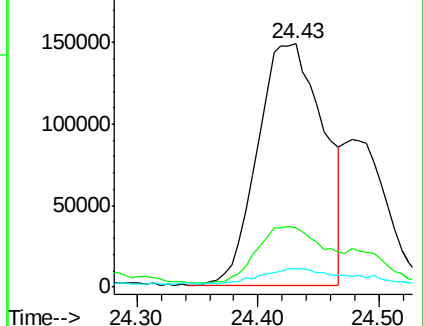
125 7.4 4.0 6.0#

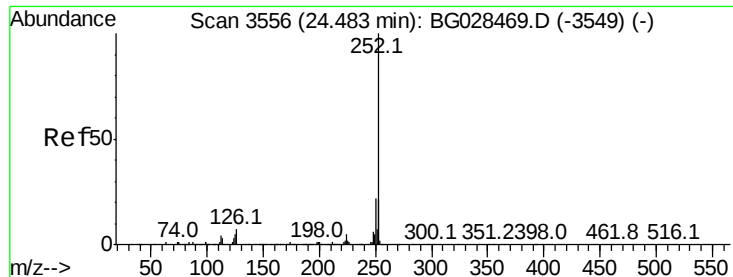


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 30.739 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. -0.05 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

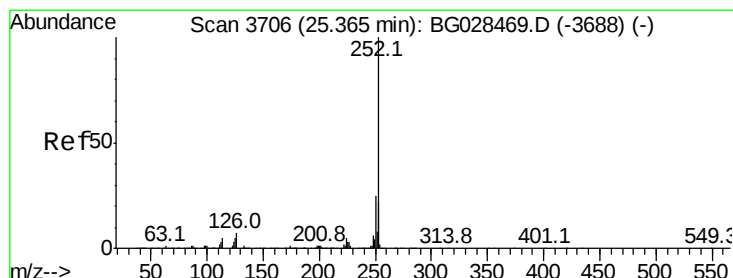
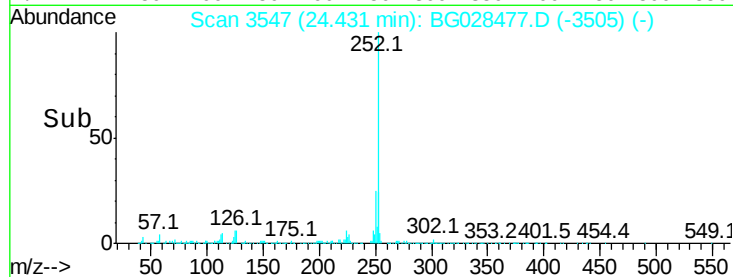
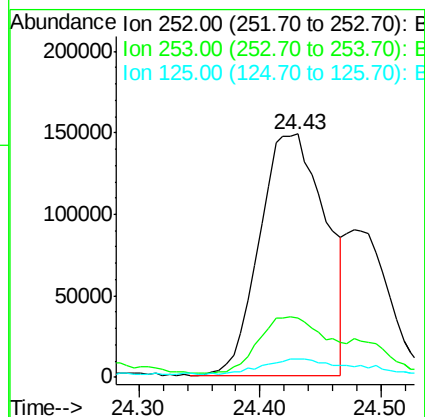
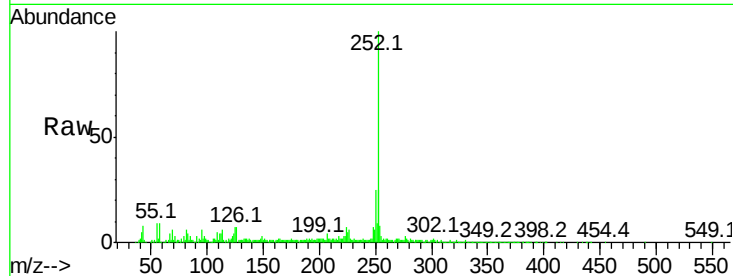
Instrument :

BNA_G

ClientSampleId :

B0AK6

Tot Ion:252	Resp:	560375
Ion Ratio	Lower	Upper
252	100	
253	24.6	18.5 27.7
125	7.4	4.1 6.1#



#88

Benzo(a)pyrene

Concen: 23.689 ng/ul

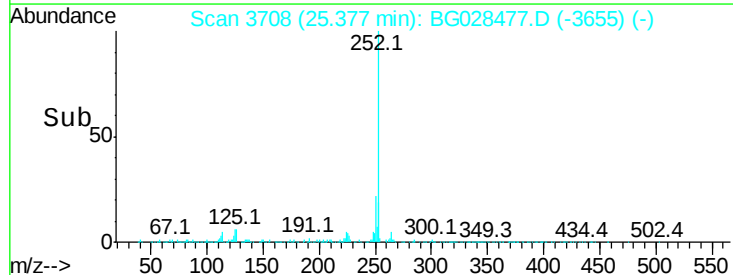
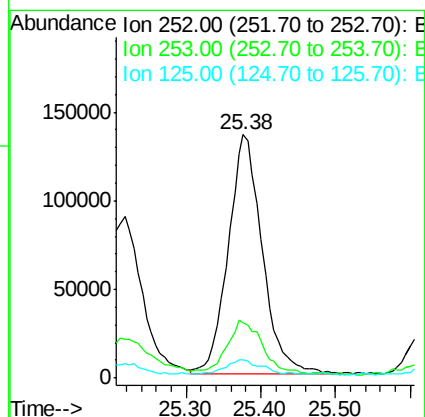
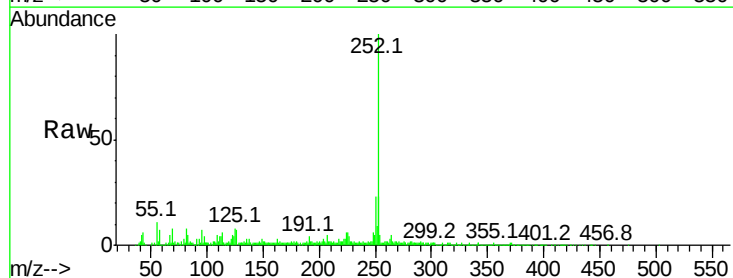
RT: 25.38 min Scan# 3708

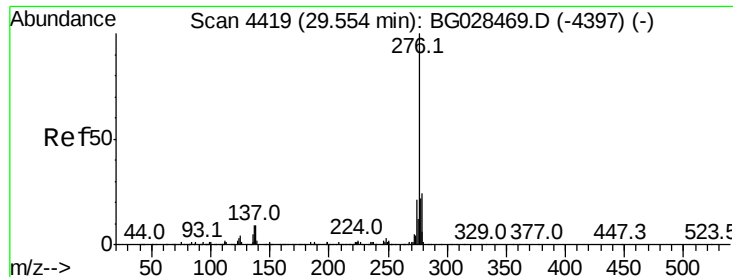
Delta R.T. 0.01 min

Lab File: BG028477.D

Acq: 25 Aug 2017 2:03

Tgt Ion:252	Resp:	428069
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.8 26.6
125	7.6	5.4 8.0



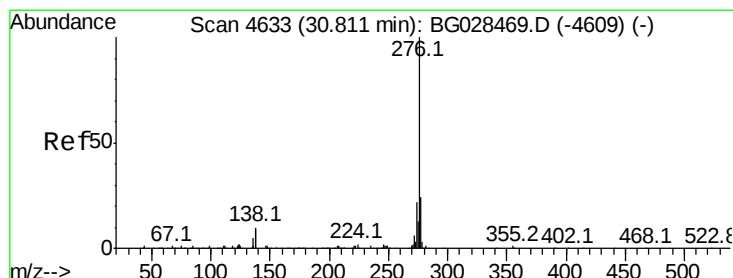
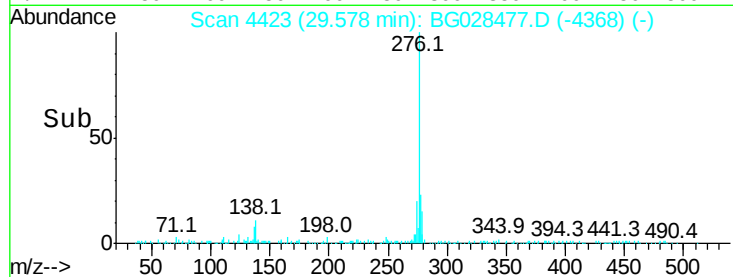
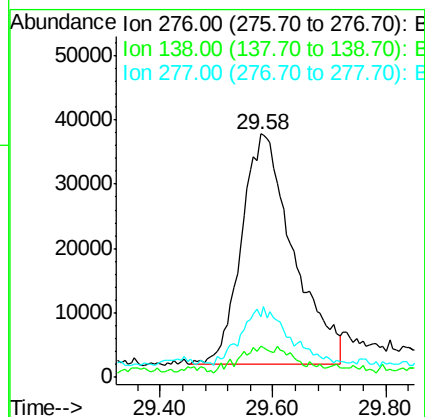
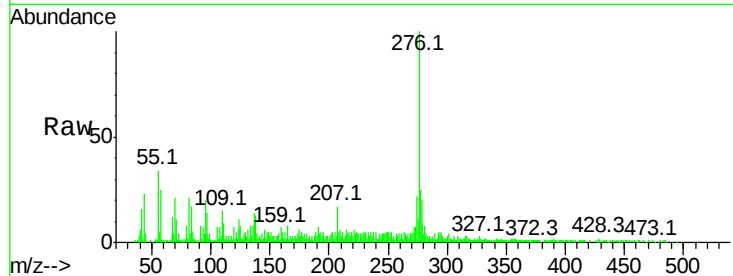


#89

Indeno(1,2,3-cd)pyrene
 Concen: 10.812 ng/ul
 RT: 29.58 min Scan# 4423
 Delta R.T. 0.02 min
 Lab File: BG028477.D
 Acq: 25 Aug 2017 2:03

Instrument :
 BNA_G
 ClientSampleId :
 B0AK6

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.7	8.2	12.4
277	25.0	18.6	28.0



#91

Benzo(g,h,i)perylene
 Concen: 4.398 ng/ul
 RT: 30.85 min Scan# 4639
 Delta R.T. 0.04 min
 Lab File: BG028477.D
 Acq: 25 Aug 2017 2:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.5	8.6	12.8
277	23.3	17.6	26.4

