

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
 Data File : BG0828531.D
 Acq On : 28 Aug 2017 23:11
 Operator : SJ/JU
 Sample : I4905-22
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0B26

Quant Time: Aug 29 03:59:48 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 29 03:57:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	52200	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	204048	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	126096	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	300774	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	379373	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	374041	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	4025	3.59	ng/uL	0.00
5) Phenol-d5	7.49	99	103949	18.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	66107	18.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	79605	22.01	ng/ul	0.00
13) 4-Methylphenol-d8	9.03	113	87376	18.24	ng/ul	0.00
19) Nitrobenzene-d5	9.50	128	40790	25.57	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	46052	26.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	89924	24.84	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	57019	14.15	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	279424	24.91	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	324958	25.70	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	38772	21.74	ng/ul	0.00
57) Fluorene-d10	15.94	176	242733	24.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	30843	15.79	ng/ul	0.00
70) Anthracene-d10	17.80	188	391535	27.15	ng/ul	0.00
76) Pyrene-d10	20.07	212	459075	23.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.31	264	467001	26.67	ng/ul	0.03

Target Compounds

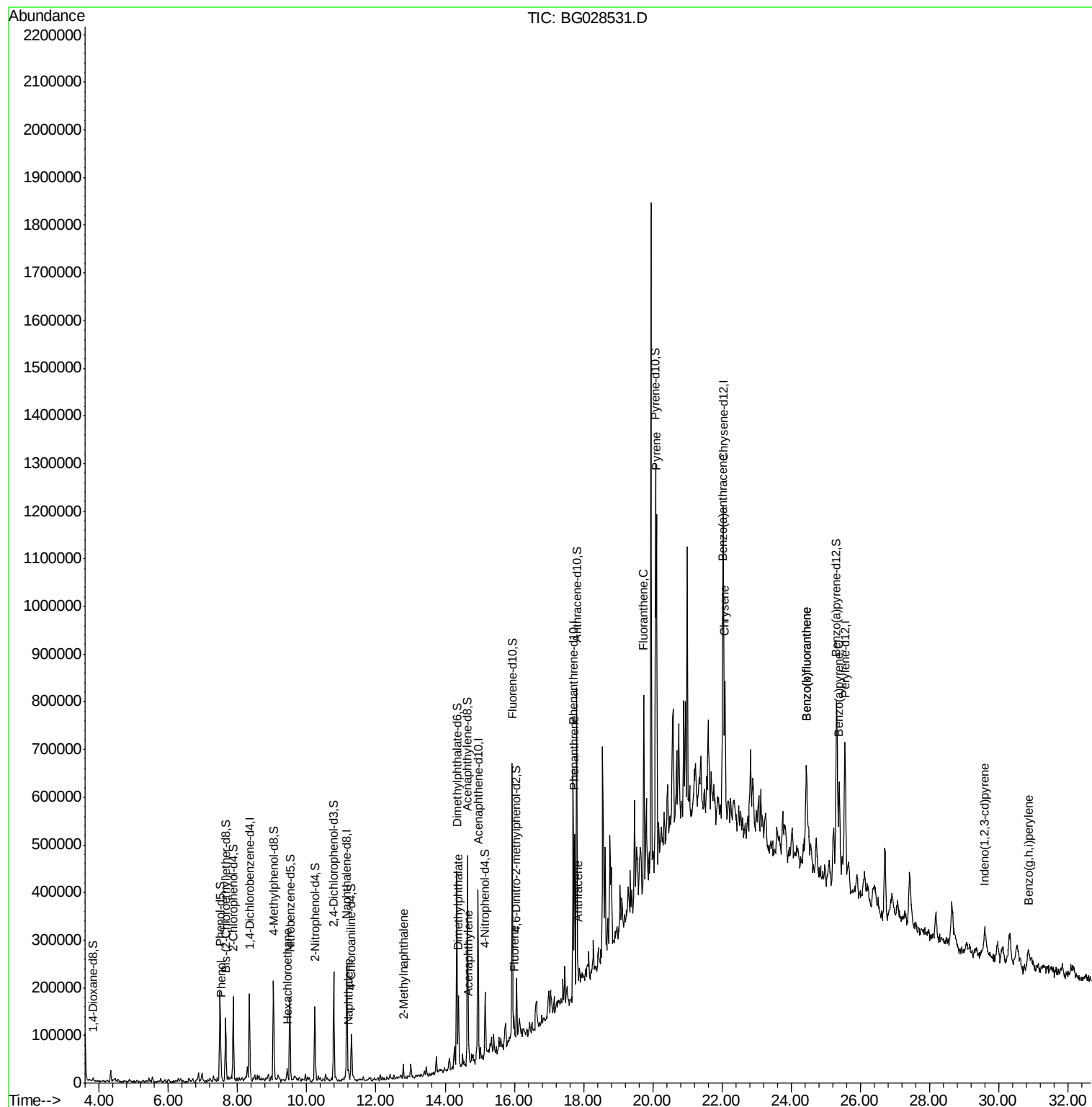
					Ovalue	
6) Phenol	7.52	94	10026	1.760	ng/ul#	83
17) Hexachloroethane	9.44	117	1684	1.153	ng/ul#	1
28) Naphthalene	11.21	128	14783	1.463	ng/ul	97
34) 2-Methylnaphthalene	12.79	142	14701	1.811	ng/ul	96
44) Dimethylphthalate	14.38	163	82060	7.947	ng/ul	98
47) Acenaphthylene	14.68	152	17634	1.459	ng/ul#	82
58) Fluorene	16.00	166	23579	2.240	ng/ul	95
69) Phenanthrene	17.75	178	220662	14.578	ng/ul	98
71) Anthracene	17.84	178	30351	1.962	ng/ul	94
74) Fluoranthene	19.75	202	242995	13.209	ng/ul	98
77) Pyrene	20.11	202	447196	19.758	ng/ul	98
80) Benzo(a)anthracene	22.01	228	194378	8.868	ng/ul#	91
82) Chrysene	22.08	228	257300	13.034	ng/ul#	94
85) Benzo(b)fluoranthene	24.44	252	291106	13.006	ng/ul#	81
86) Benzo(k)fluoranthene	24.44	252	291106	13.315	ng/ul#	83
88) Benzo(a)pyrene	25.39	252	241196	11.129	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	29.59	276	134507	5.300	ng/ul#	91
91) Benzo(g,h,i)perylene	30.86	276	67556	3.236	ng/ul#	89

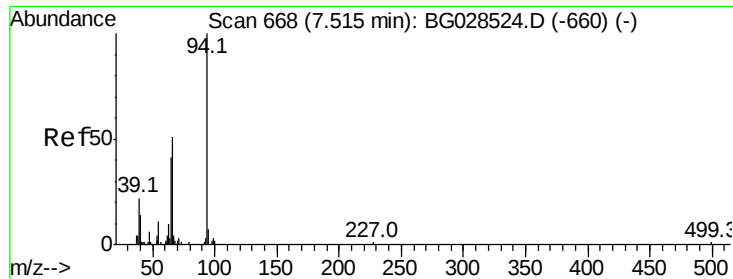
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.760 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

Instrument :

BNA_G

ClientSampleId :

B0B26

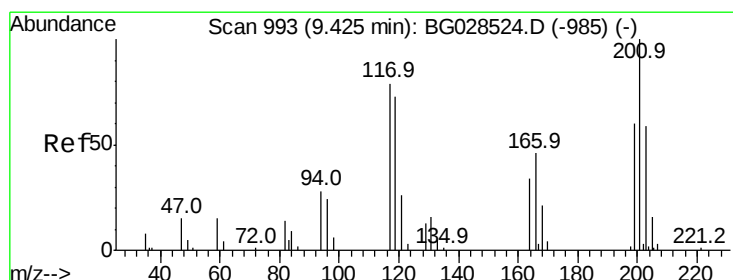
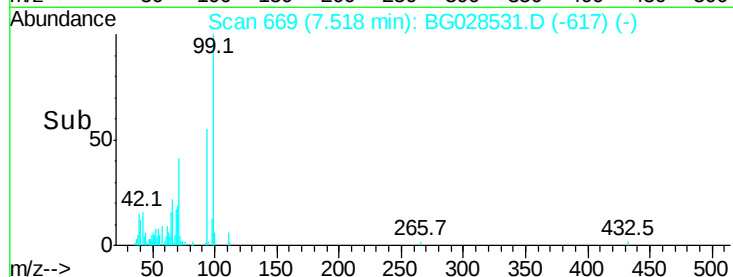
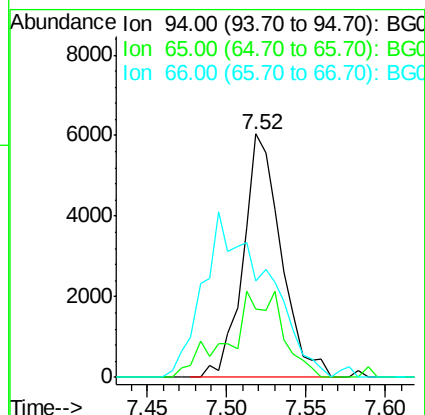
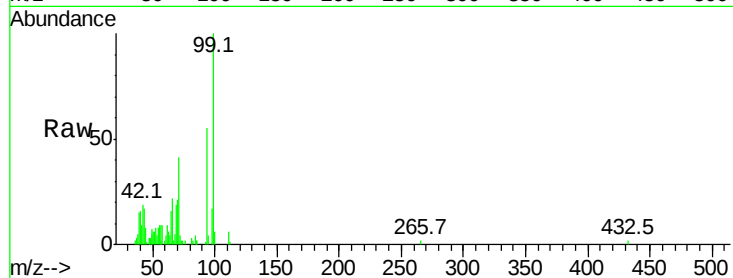
Tot Ion: 94 Resp: 10026

Ion Ratio Lower Upper

94 100

65 28.3 26.8 40.2

66 39.5 44.4 66.6#



#17

Hexachloroethane

Concen: 1.153 ng/ul

RT: 9.44 min Scan# 996

Delta R.T. 0.02 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

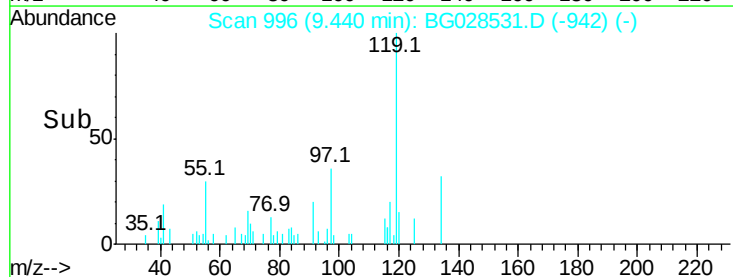
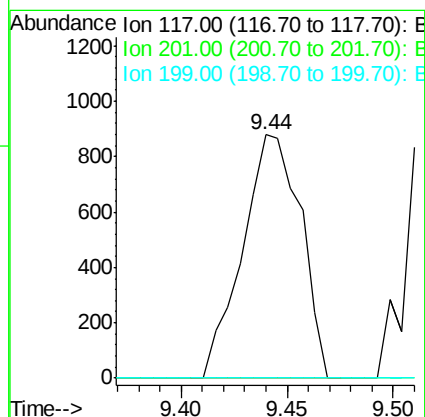
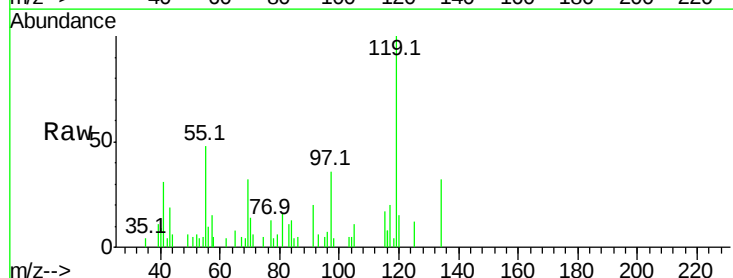
Tgt Ion: 117 Resp: 1684

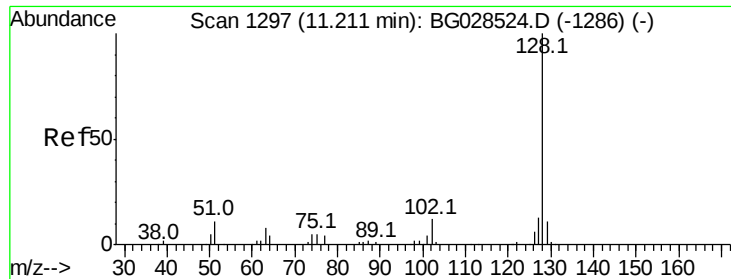
Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

199 0.0 64.3 96.5#

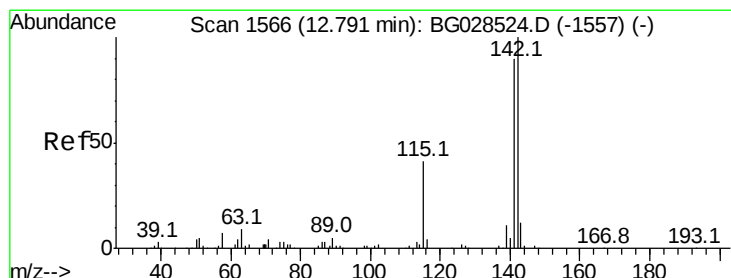
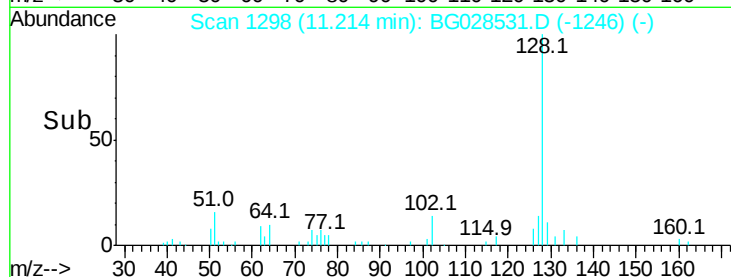
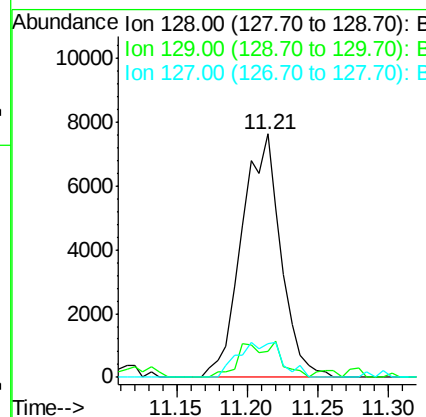
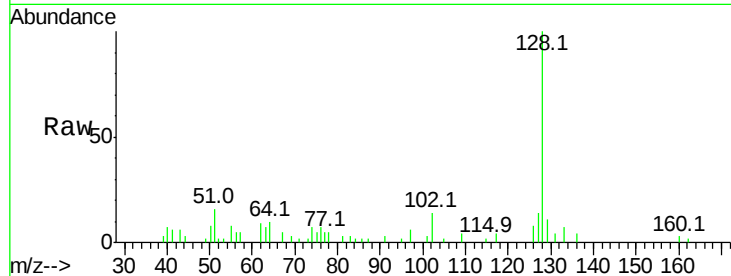




#28
Naphthalene
Concen: 1.463 ng/ul
RT: 11.21 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG028531.D
Acq: 28 Aug 2017 23:11

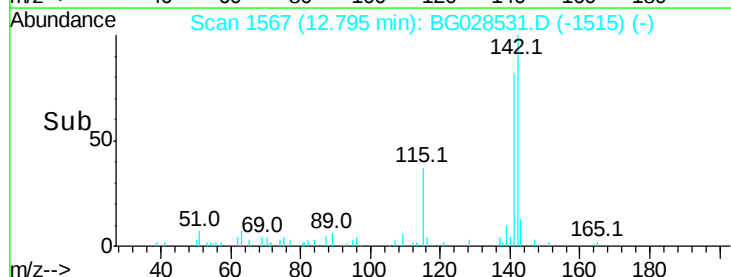
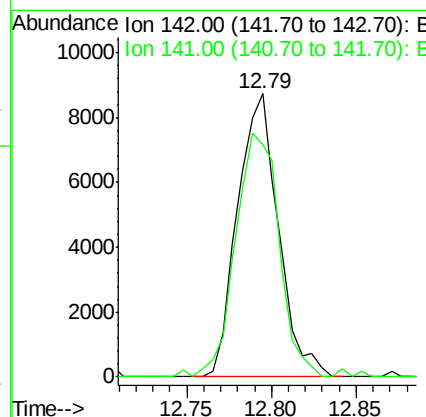
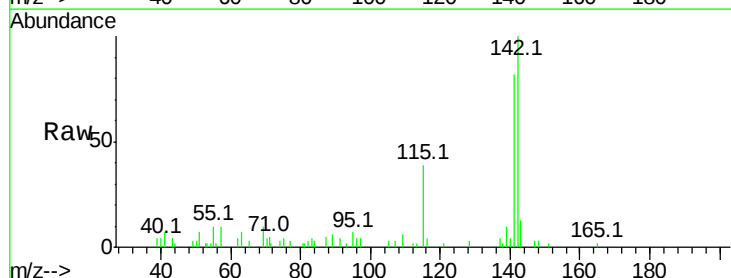
Instrument :
BNA_G
ClientSampled :
B0B26

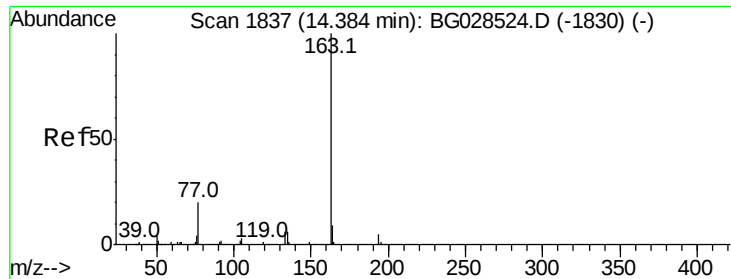
Tot Ion:128 Resp: 14783
Ion Ratio Lower Upper
128 100
129 10.7 9.4 14.2
127 14.1 10.3 15.5



#34
2-Methylnaphthalene
Concen: 1.811 ng/ul
RT: 12.79 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BG028531.D
Acq: 28 Aug 2017 23:11

Tgt Ion:142 Resp: 14701
Ion Ratio Lower Upper
142 100
141 82.2 68.6 102.8

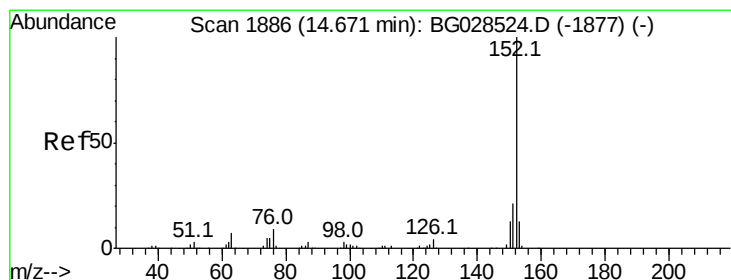
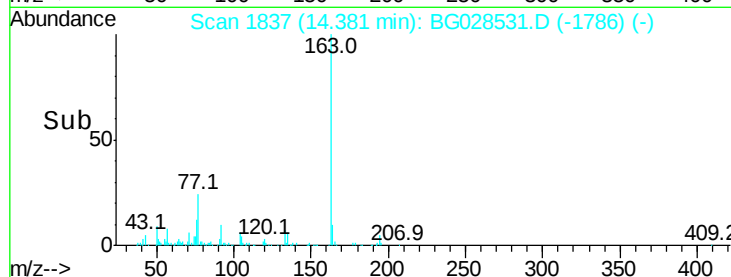
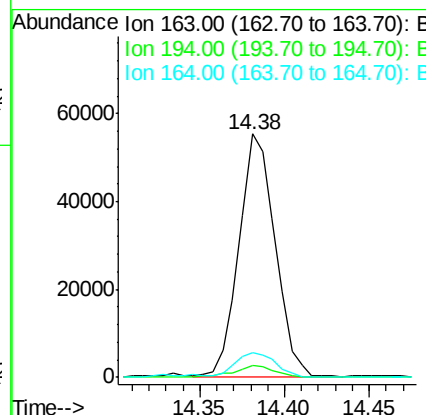
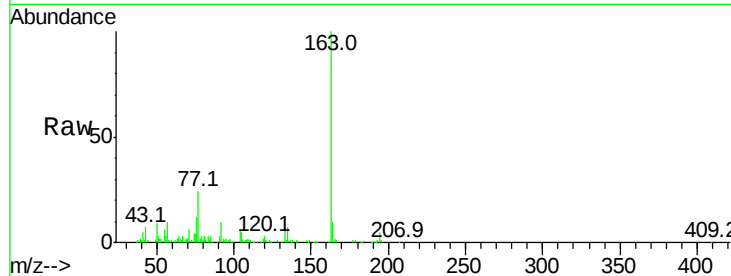




#44
Dimethylphthalate
Concen: 7.947 ng/ul
RT: 14.38 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BG028531.D
Acq: 28 Aug 2017 23:11

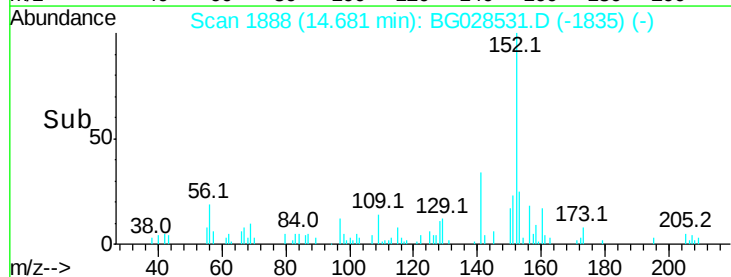
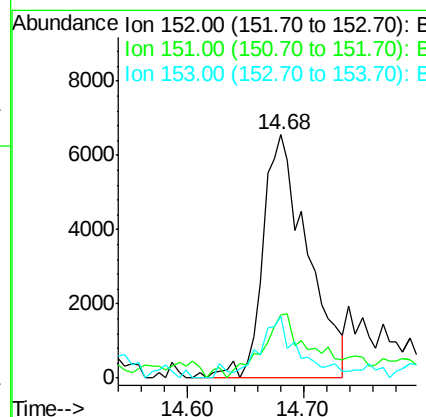
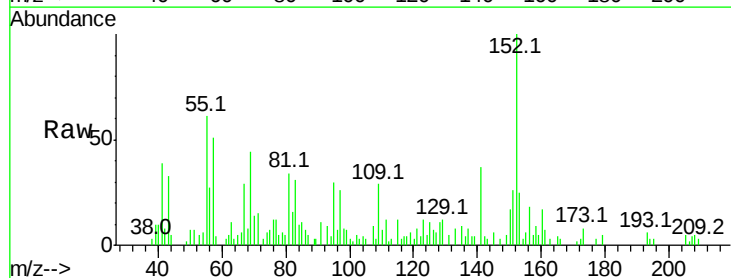
Instrument :
BNA_G
ClientSampleId :
B0B26

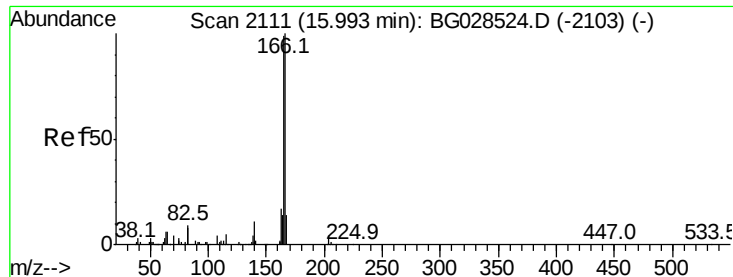
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.4	5.0
164	10.4	9.0	13.4



#47
Acenaphthylene
Concen: 1.459 ng/ul
RT: 14.68 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BG028531.D
Acq: 28 Aug 2017 23:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.1	16.7	25.1#
153	25.5	11.4	17.2#





#58

Fluorene

Concen: 2.240 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

Instrument :

BNA_G

ClientSampleId :

B0B26

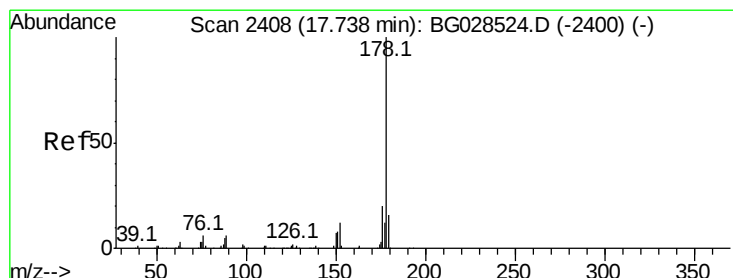
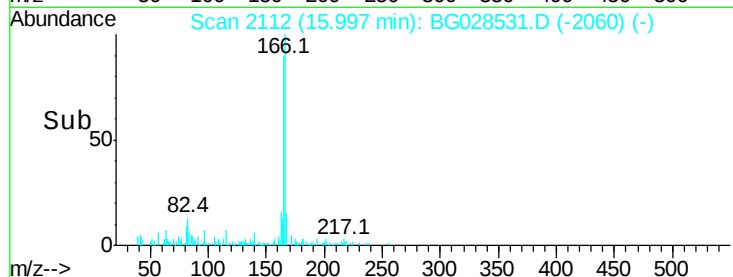
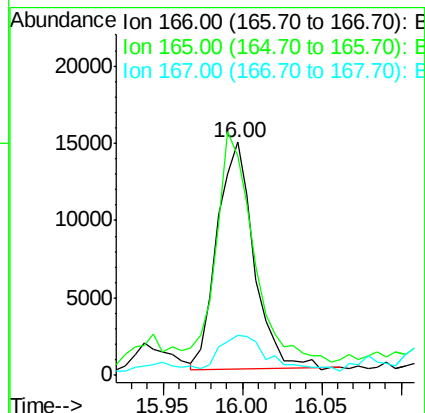
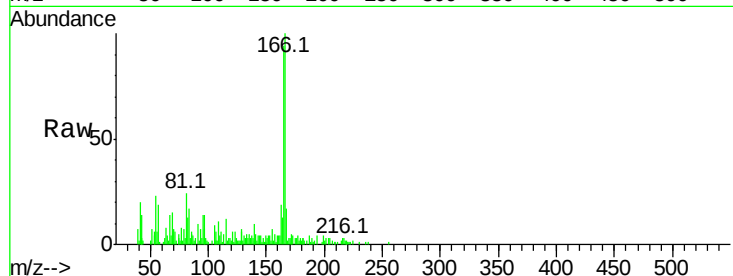
Tot Ion:166 Resp: 23579

Ion Ratio Lower Upper

166 100

165 94.4 79.7 119.5

167 17.0 11.4 17.2



#69

Phenanthrene

Concen: 14.578 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

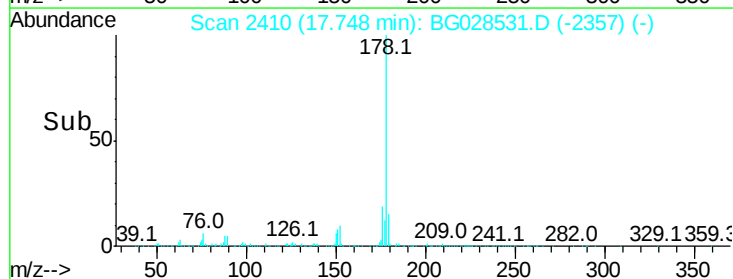
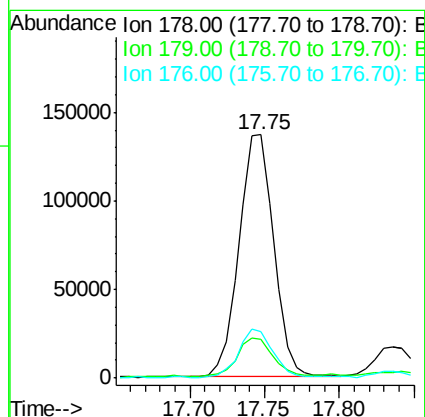
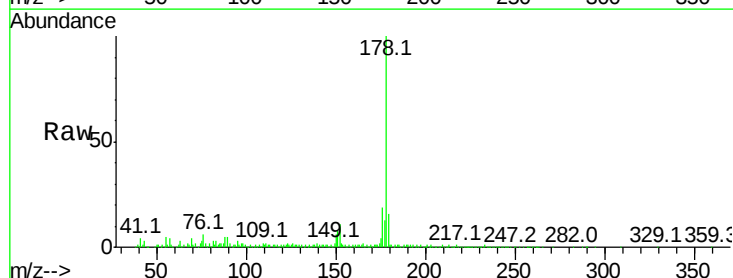
Tgt Ion:178 Resp: 220662

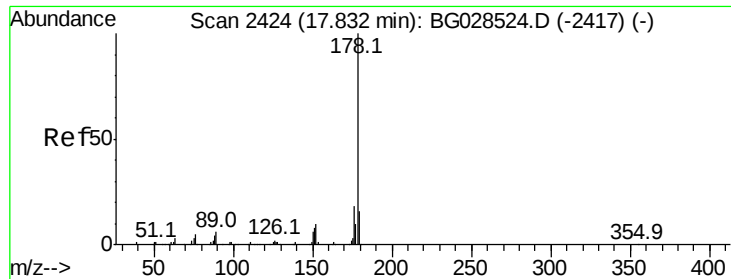
Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

176 18.9 16.5 24.7





#71

Anthracene

Concen: 1.962 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

Instrument :

BNA_G

ClientSampleId :

B0B26

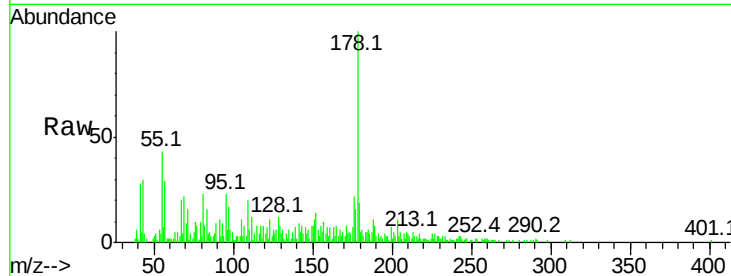
Tot Ion:178 Resp: 30351

Ion Ratio Lower Upper

178 100

179 18.9 12.6 19.0

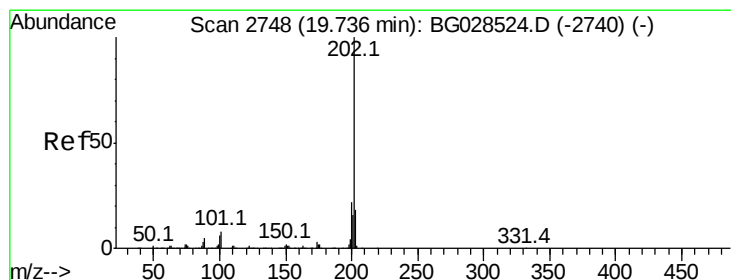
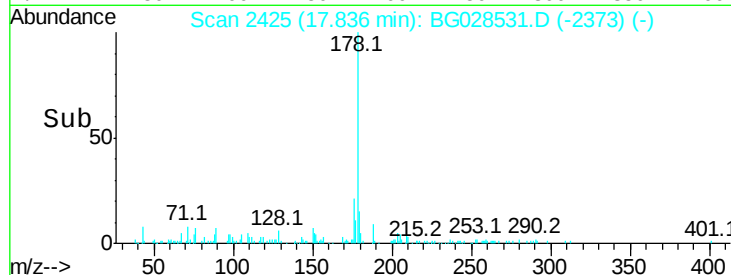
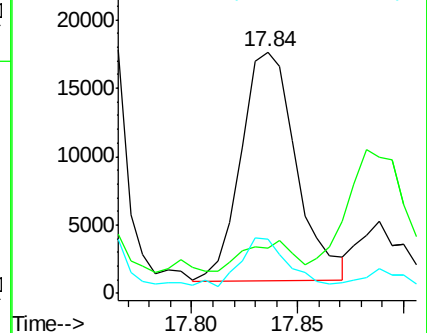
176 22.4 15.9 23.9



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



#74

Fluoranthene

Concen: 13.209 ng/ul

RT: 19.75 min Scan# 2750

Delta R.T. 0.01 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

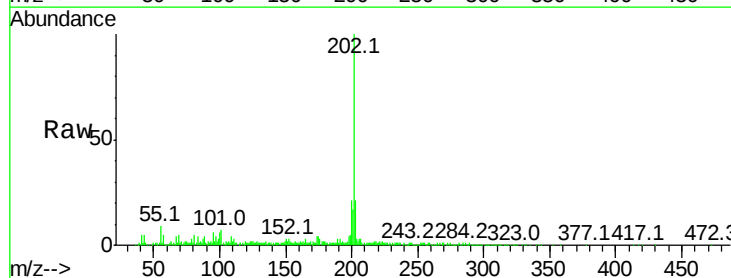
Tgt Ion:202 Resp: 242995

Ion Ratio Lower Upper

202 100

101 7.3 6.2 9.2

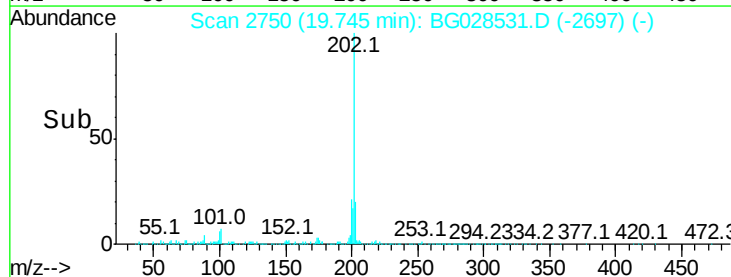
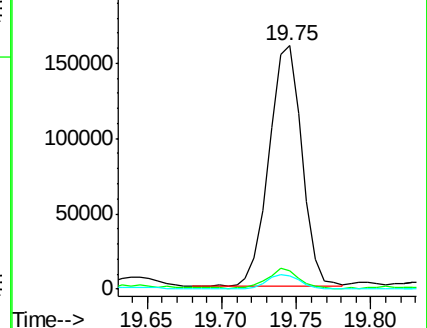
100 5.5 5.2 7.8

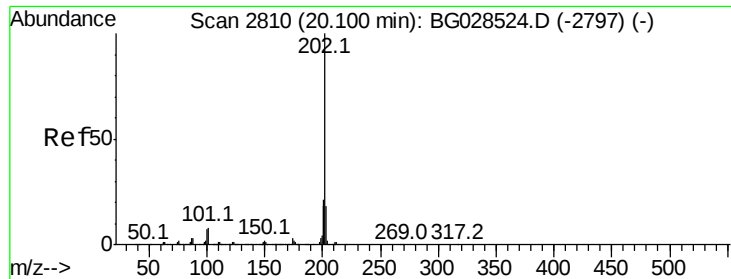


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 19.758 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

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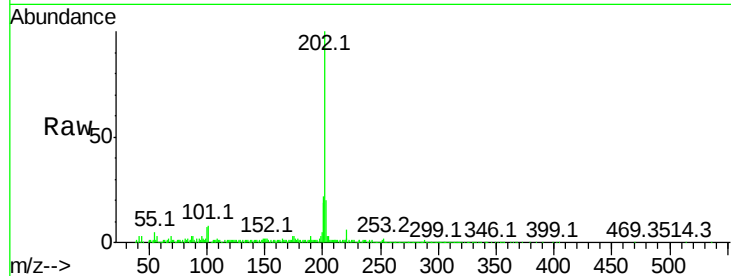
Tot Ion:202 Resp: 447196

Ion Ratio Lower Upper

202 100

101 8.0 6.9 10.3

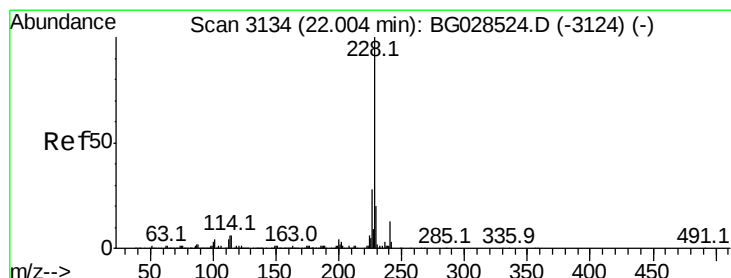
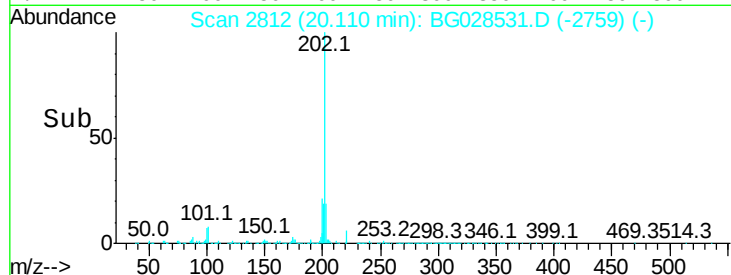
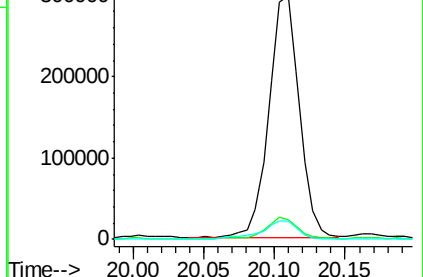
100 7.3 6.6 10.0



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: 8.868 ng/ul

RT: 22.01 min Scan# 3136

Delta R.T. 0.01 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

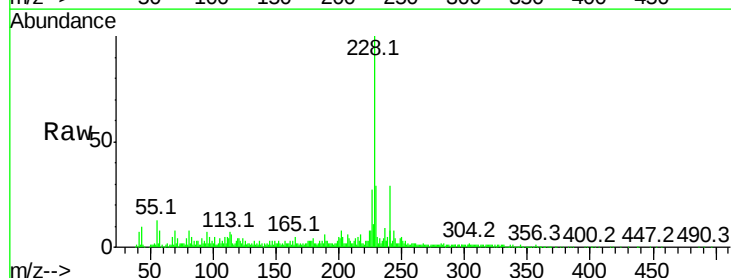
Tgt Ion:228 Resp: 194378

Ion Ratio Lower Upper

228 100

229 29.5 16.3 24.5#

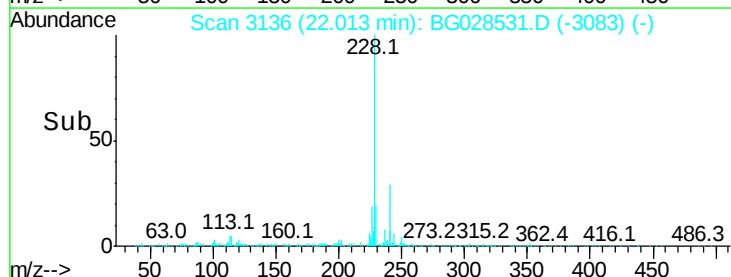
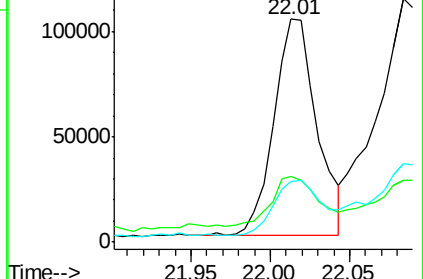
226 27.2 21.9 32.9

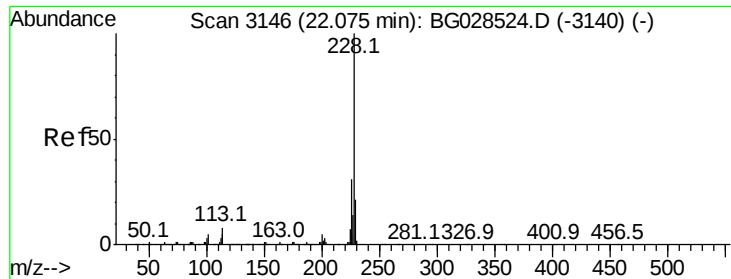


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 13.034 ng/ul

RT: 22.08 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

Instrument :

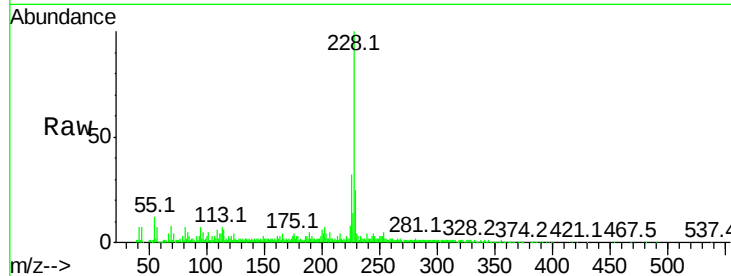
BNA_G

ClientSampleId :

B0B26

Tot Ion:228 Resp: 257300

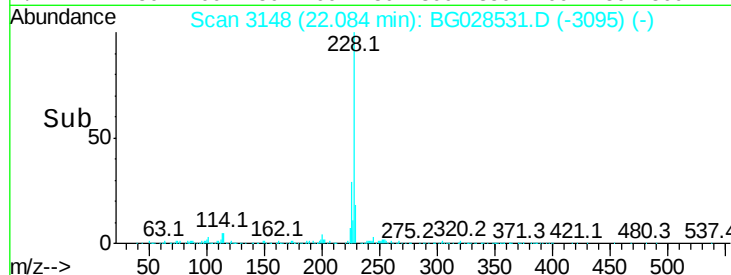
Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	25.5	16.9	25.3



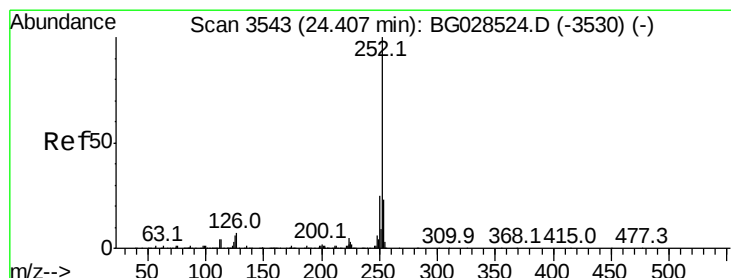
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 22.00 22.10



#85

Benzo(b)fluoranthene

Concen: 13.006 ng/ul

RT: 24.44 min Scan# 3549

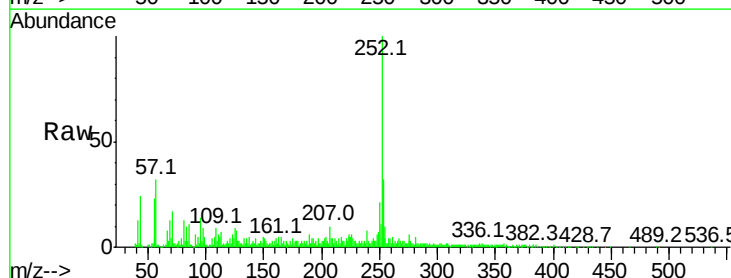
Delta R.T. 0.03 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

Tgt Ion:252 Resp: 291106

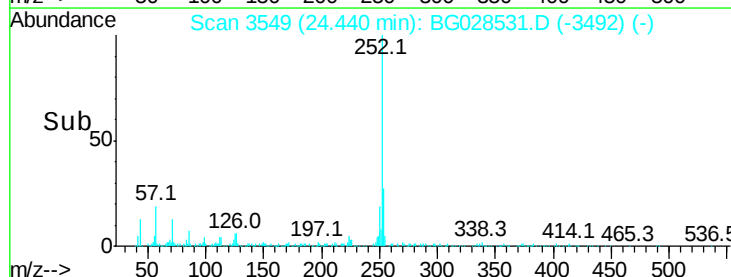
Ion	Ratio	Lower	Upper
252	100		
253	31.8	17.7	26.5
125	9.0	4.0	6.0



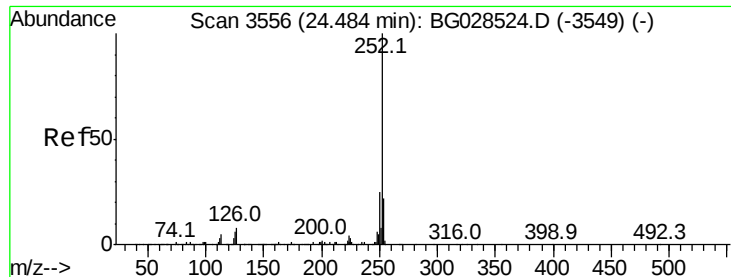
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 24.40 24.60



#86

Benzo(k)fluoranthene

Concen: 13.315 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. -0.04 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

Instrument :

BNA_G

ClientSampleId :

B0B26

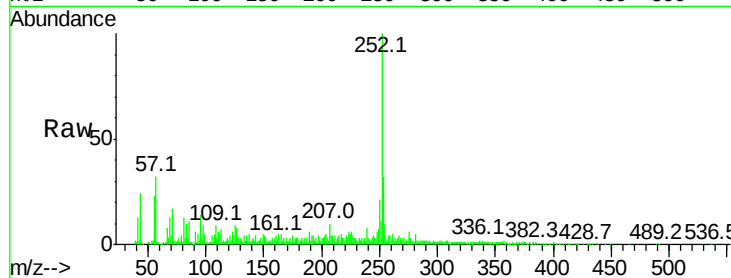
Tot Ion:252 Resp: 291106

Ion Ratio Lower Upper

252 100

253 31.8 18.5 27.7#

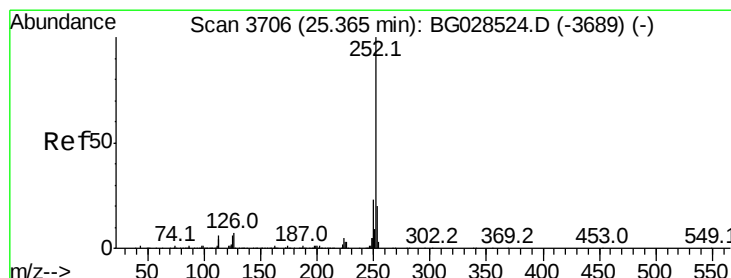
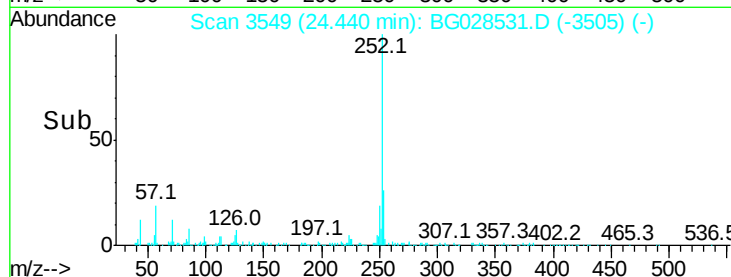
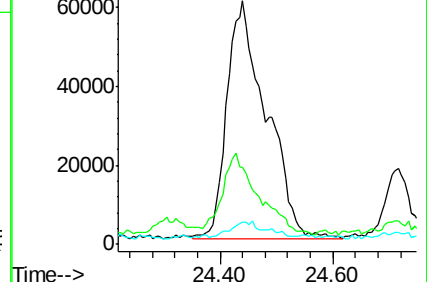
125 9.0 4.1 6.1#



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



#88

Benzo(a)pyrene

Concen: 11.129 ng/ul

RT: 25.39 min Scan# 3711

Delta R.T. 0.03 min

Lab File: BG028531.D

Acq: 28 Aug 2017 23:11

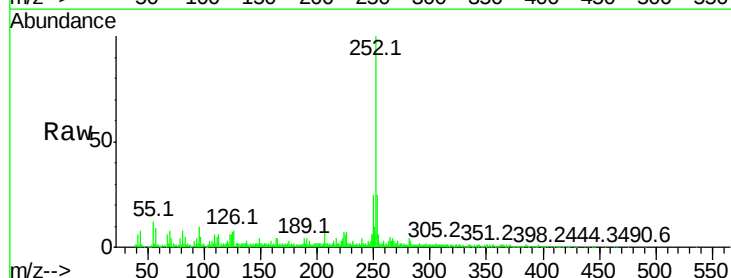
Tgt Ion:252 Resp: 241196

Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.6

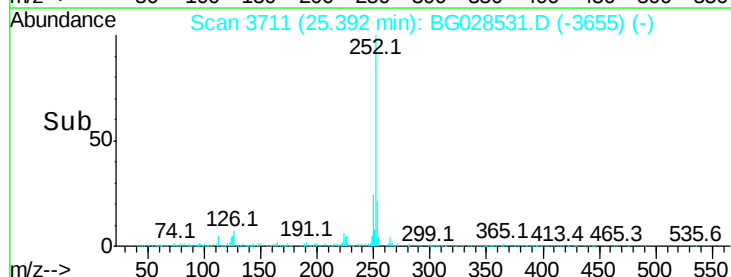
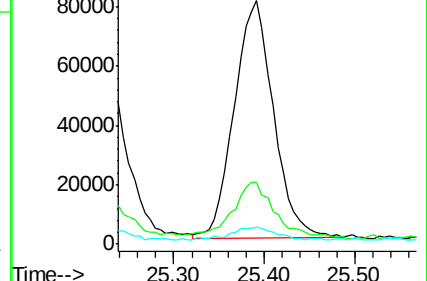
125 7.0 5.4 8.0

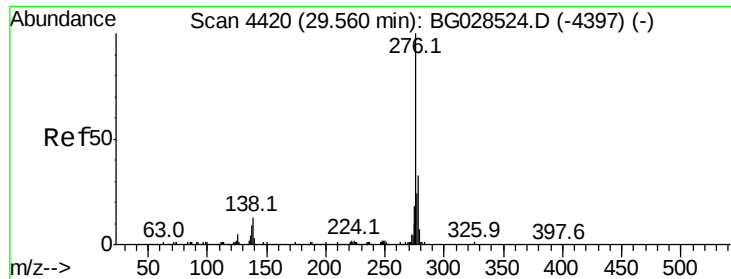


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



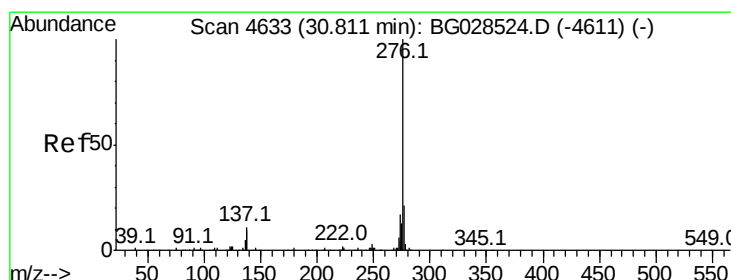
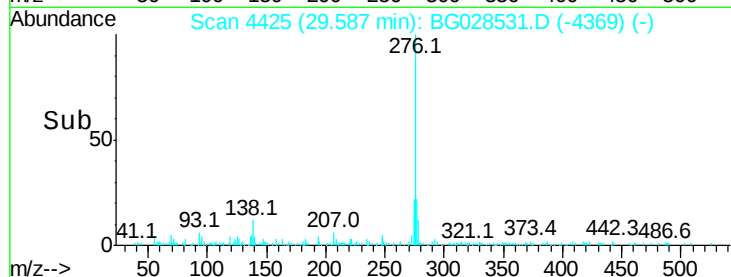
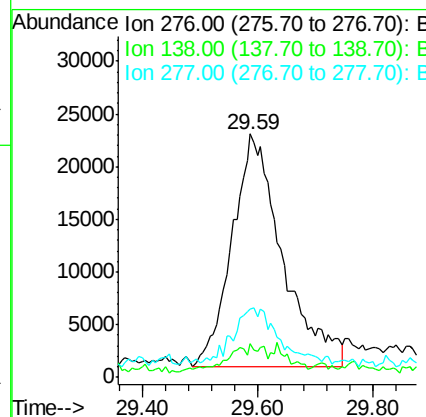
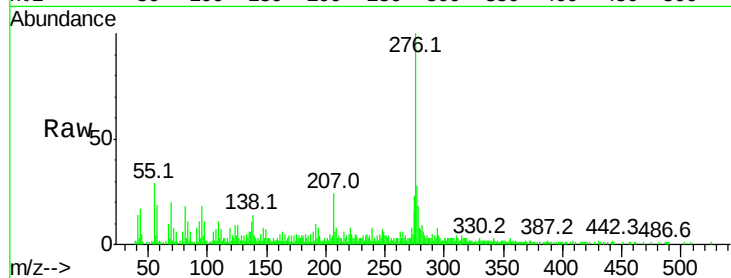


#89

Indeno(1,2,3-cd)pyrene
Concen: 5.300 ng/ul
RT: 29.59 min Scan# 4425
Delta R.T. 0.03 min
Lab File: BG028531.D
Acq: 28 Aug 2017 23:11

Instrument :
BNA_G
ClientSampleId :
B0B26

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.7	8.2	12.4#
277	27.9	18.6	28.0



#91

Benzo(g,h,i)perylene
Concen: 3.236 ng/ul
RT: 30.86 min Scan# 4641
Delta R.T. 0.04 min
Lab File: BG028531.D
Acq: 28 Aug 2017 23:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.6	12.8
277	29.5	17.6	26.4#

