

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
 Data File : BG027545.D
 Acq On : 20 Jun 2017 1:36
 Operator : SJ/MA
 Sample : I3627-20 25X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5C49

Manual Integrations
 APPROVED

mohammad
 6/20/2017 11:55:43 AM

Quant Time: Jun 20 03:35:07 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG061617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 20 01:50:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	35739	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	183361	20.00	ng/ul	0.01
35) Acenaphthene-d10	15.10	164	115483	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	247437	20.00	ng/ul	0.00
75) Chrysene-d12	22.24	240	299478	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	272565	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.66	99	2581	0.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.84	67	2079	0.79	ng/ul	0.01
9) 2-Chlorophenol-d4	8.06	132	1836	0.72	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	2235	0.74	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	1300	0.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	974	0.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	2053	0.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	6281m	1.86	ng/ul	0.05
43) Dimethylphthalate-d6	14.49	166	9102	0.94	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	9950	0.89	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	16.09	176	9800	1.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.96	188	11984	1.04	ng/ul	0.00
76) Pyrene-d10	20.23	212	14301	0.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	12943	1.05	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.42	128	7227732	767.04	ng/ul#	67
34) 2-Methylnaphthalene	12.96	142	1009347	144.45	ng/ul	95
40) 1,1'-Biphenyl	13.94	154	307129	33.62	ng/ul#	96
47) Acenaphthylene	14.83	152	75592	6.77	ng/ul#	96
49) Acenaphthene	15.17	153	884197	113.59	ng/ul	98
53) Dibenzofuran	15.50	168	1075319	94.78	ng/ul	100
58) Fluorene	16.16	166	1191197	126.52	ng/ul	100
69) Phenanthrene	17.91	178	4024798m	302.69	ng/ul	
71) Anthracene	18.00	178	1966717	145.46	ng/ul	96
72) Carbazole	18.26	167	742357	63.84	ng/ul	97
74) Fluoranthene	19.90	202	3131924	209.34	ng/ul#	79
77) Pyrene	20.26	202	2502770	141.38	ng/ul#	82
80) Benzo(a)anthracene	22.21	228	1051937	63.08	ng/ul	97
82) Chrysene	22.29	228	951794	63.19	ng/ul	98
85) Benzo(b)fluoranthene	24.73	252	983122	60.56	ng/ul#	95
86) Benzo(k)fluoranthene	24.79	252	298221m	19.11	ng/ul	
88) Benzo(a)pyrene	25.72	252	593854	38.10	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	30.09	276	287286	16.15	ng/ul#	92
90) Dibenzo(a,h)anthracene	30.14	278	81251m	5.32	ng/ul	
91) Benzo(g,h,i)perylene	31.41	276	197076	13.53	ng/ul#	88

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

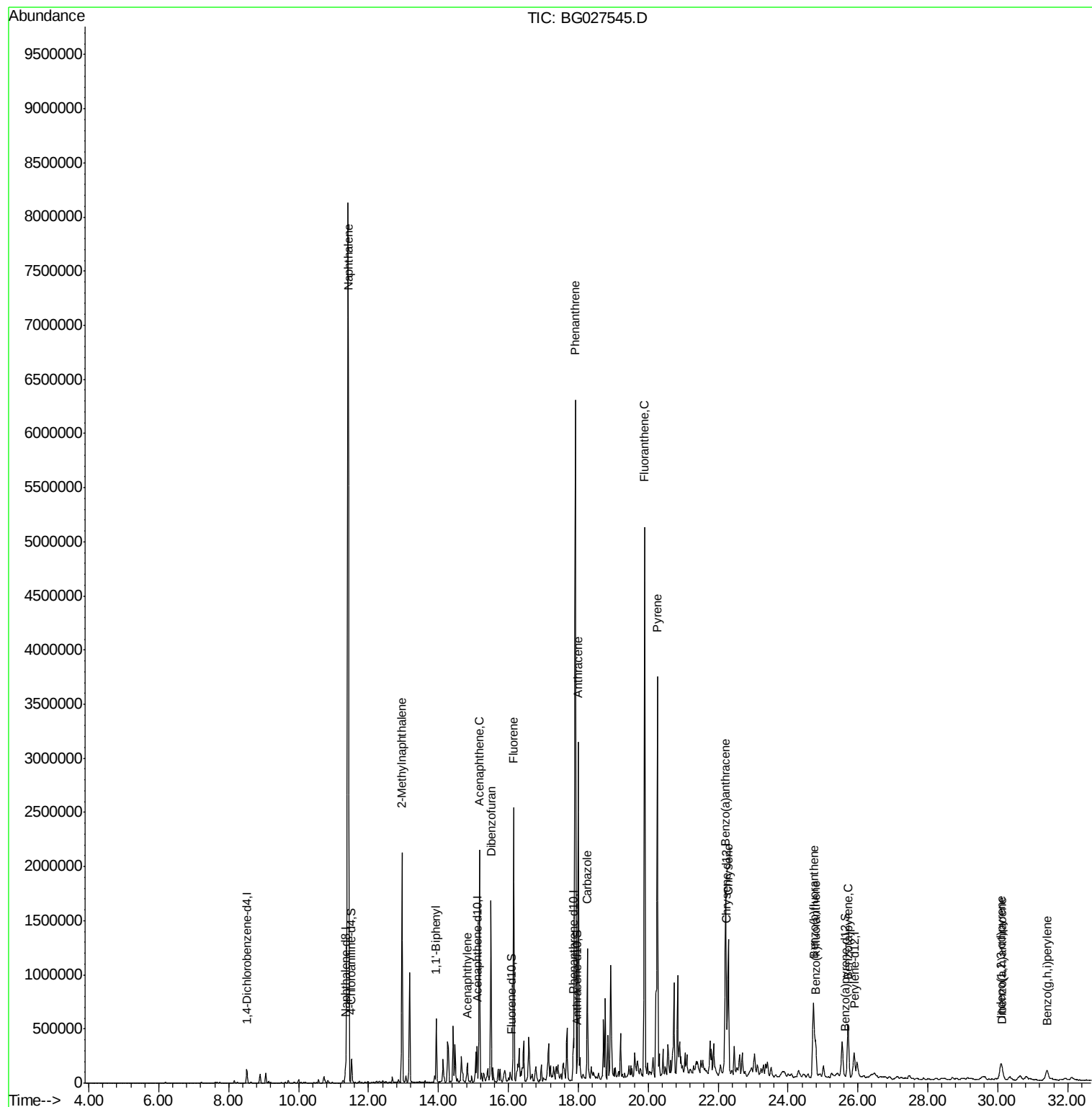
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027545.D
Acq On : 20 Jun 2017 1:36
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Sample : I3627-20 25X
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ALS Vial : 24 Sample Multiplier: 1

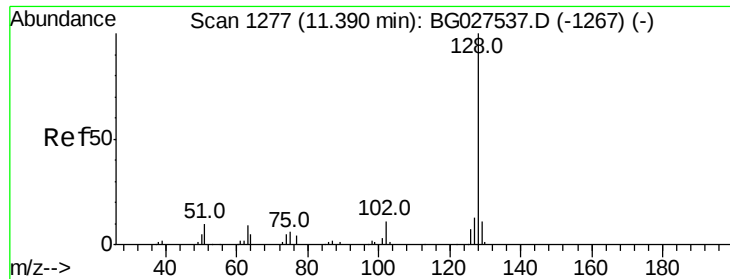
Instrument :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
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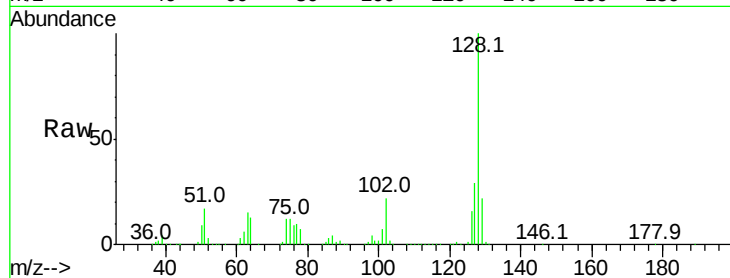
#28
Naphthalene
Concen: 767.04 ng/ul
RT: 11.42 min Scan# 1282
Delta R.T. 0.03 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Instrument :
BNA_G
ClientSampleId :
F5C49

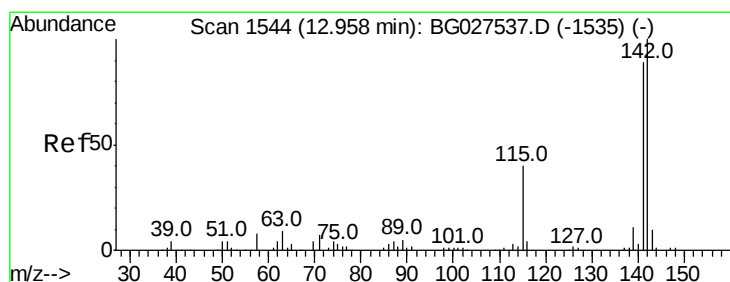
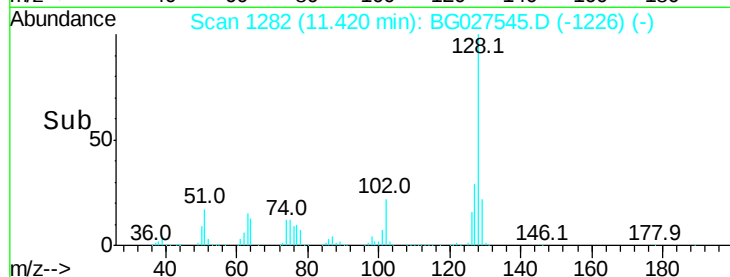
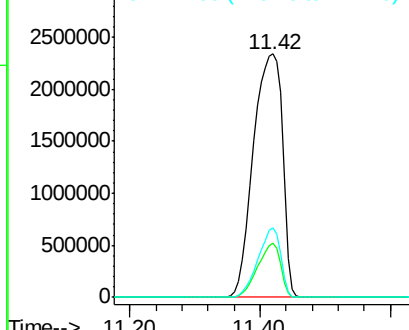
Tot Ion:128 Resp: 7227732
Ion Ratio Lower Upper
128 100
129 22.1 9.4 14.2#
127 28.6 10.3 15.5#

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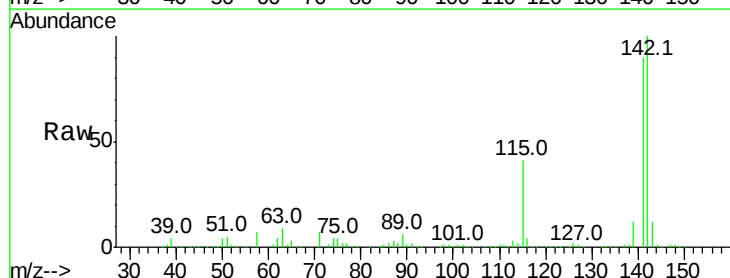


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

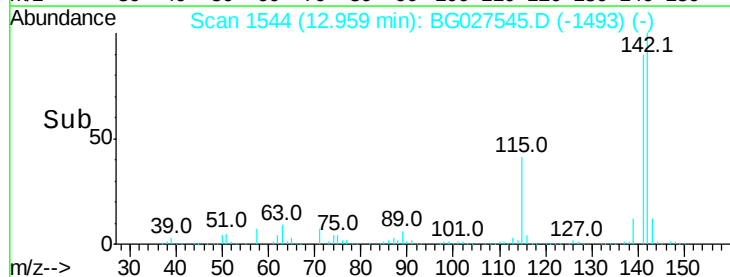
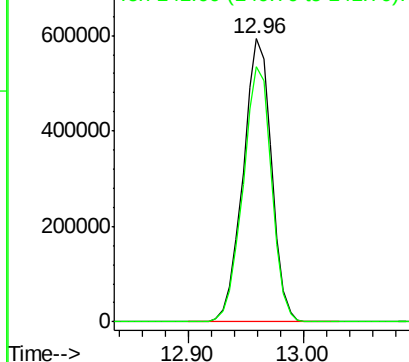


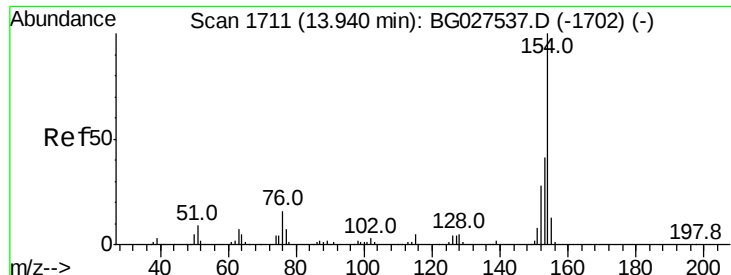
#34
2-Methylnaphthalene
Concen: 144.45 ng/ul
RT: 12.96 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Tgt Ion:142 Resp: 1009347
Ion Ratio Lower Upper
142 100
141 90.1 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





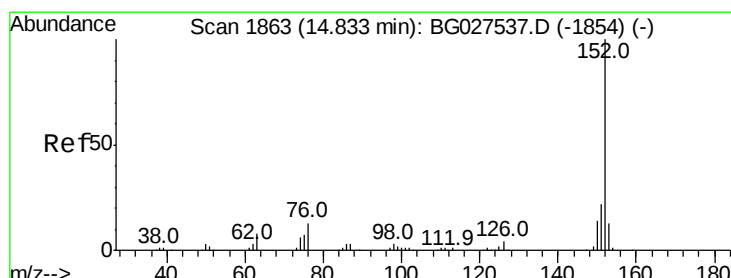
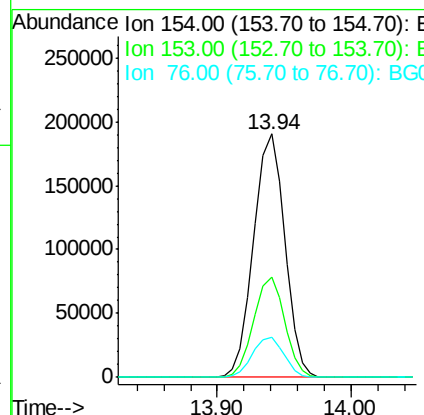
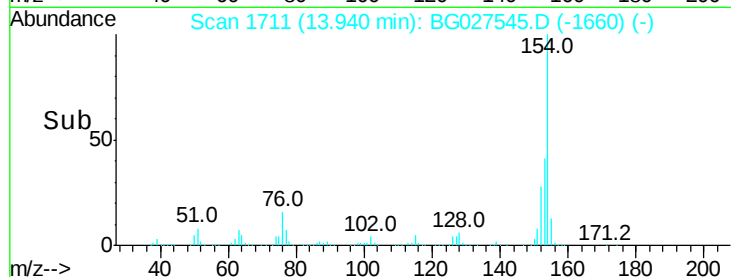
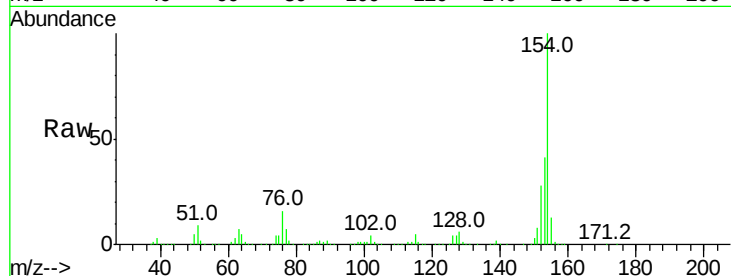
#40
 1,1'-Biphenyl
 Concen: 33.62 ng/ul
 RT: 13.94 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BG027545.D
 Acq: 20 Jun 2017 1:36

Instrument :
 BNA_G
 ClientSampled :
 F5C49

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.0	32.2	48.2	
76	16.3	9.6	14.4	

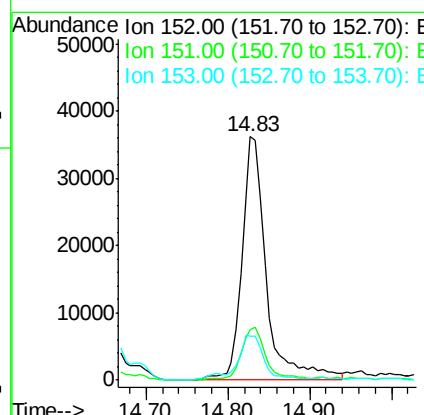
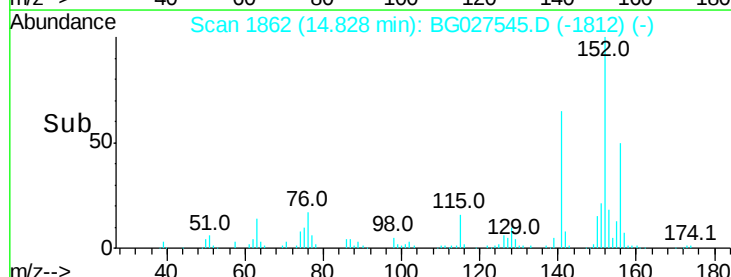
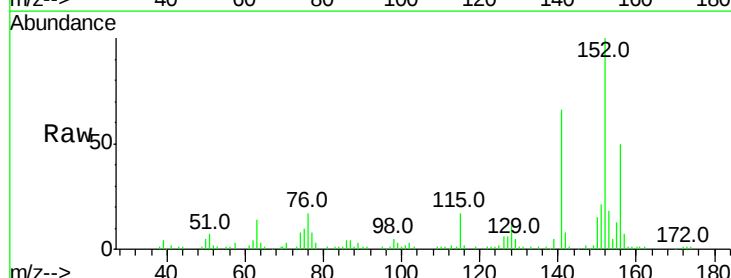
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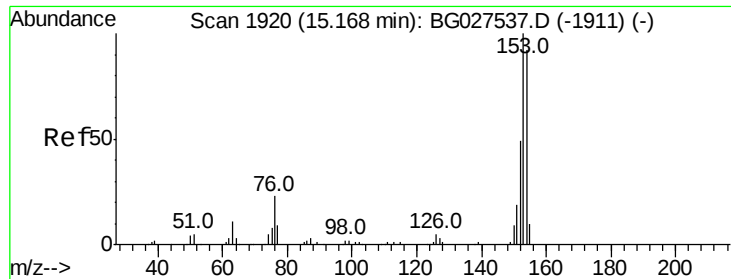
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#47
 Acenaphthylene
 Concen: 6.77 ng/ul
 RT: 14.83 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: BG027545.D
 Acq: 20 Jun 2017 1:36

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.7	16.7	25.1	
153	18.0	11.4	17.2	





#49

Acenaphthene

Concen: 113.59 ng/ul

RT: 15.17 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

Instrument :

BNA_G

ClientSampleId :

F5C49

Tot Ion:153 Resp: 884197

Ion Ratio Lower Upper

153 100

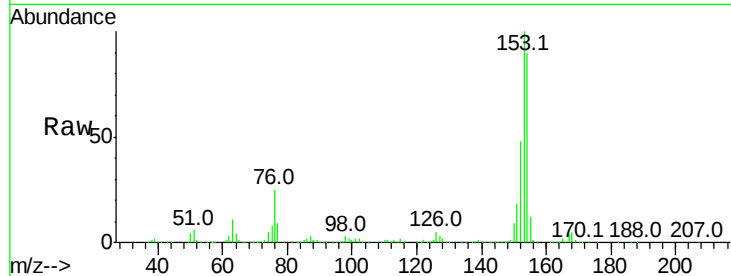
152 47.9 36.5 54.7

154 89.8 72.3 108.5

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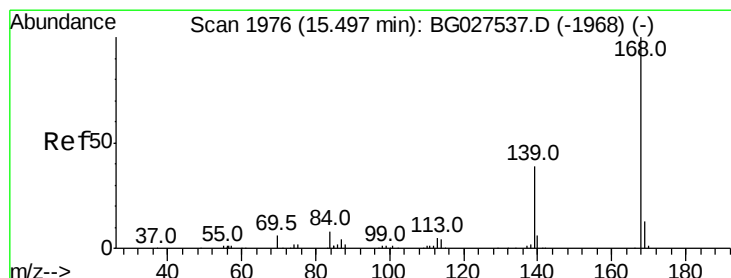
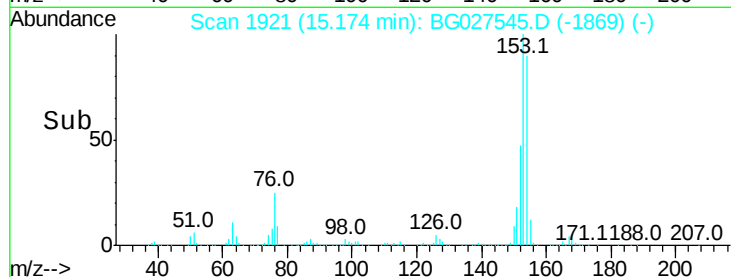
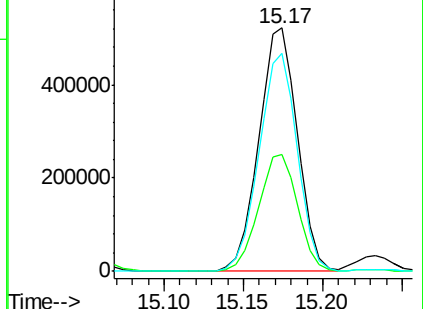
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 94.78 ng/ul

RT: 15.50 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BG027545.D

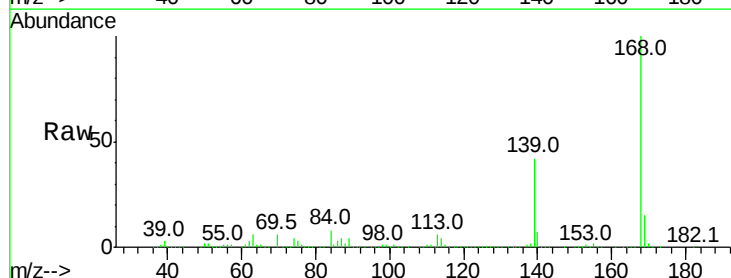
Acq: 20 Jun 2017 1:36

Tgt Ion:168 Resp: 1075319

Ion Ratio Lower Upper

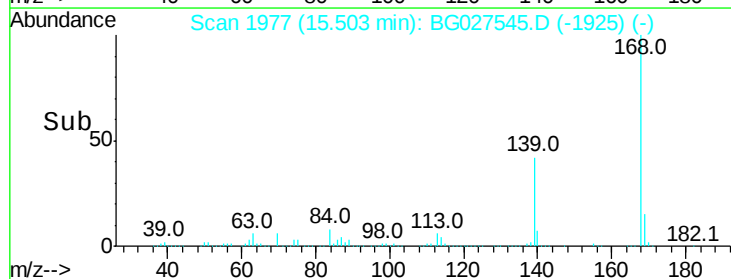
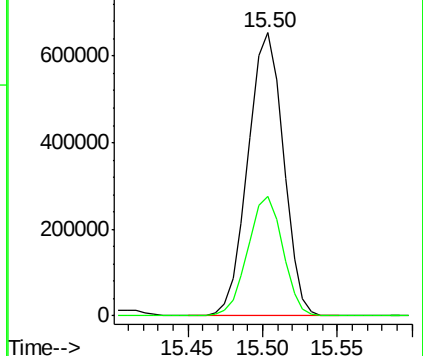
168 100

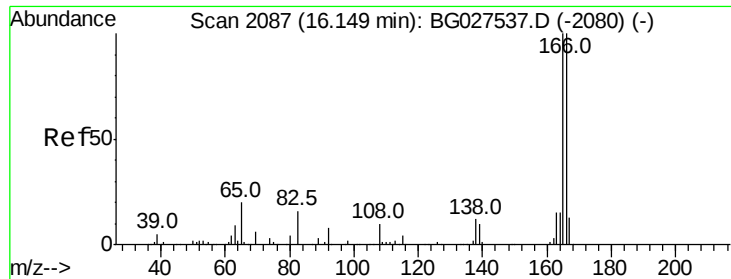
139 42.5 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 126.52 ng/ul

RT: 16.16 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

Instrument :

BNA_G

ClientSampled :

F5C49

Tot Ion:166 Resp: 1191197

Ion Ratio Lower Upper

166 100

165 99.3 79.7 119.5

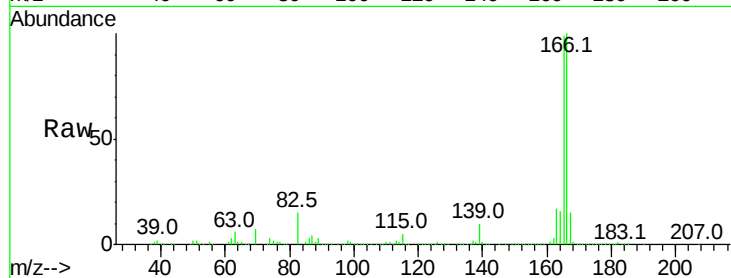
167 14.8 11.4 17.2

Manual Integrations

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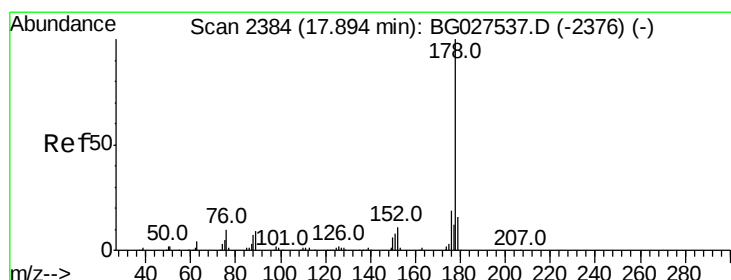
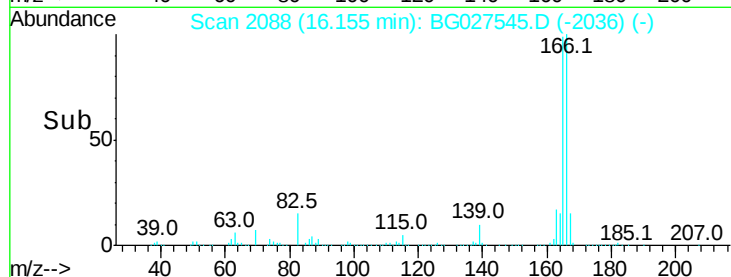
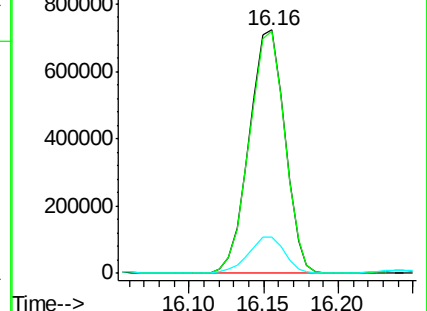
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 302.69 ng/ul m

RT: 17.91 min Scan# 2387

Delta R.T. 0.02 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

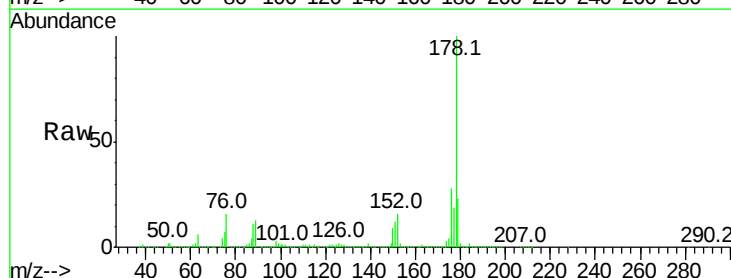
Tgt Ion:178 Resp: 4024798

Ion Ratio Lower Upper

178 100

179 22.6 12.4 18.6#

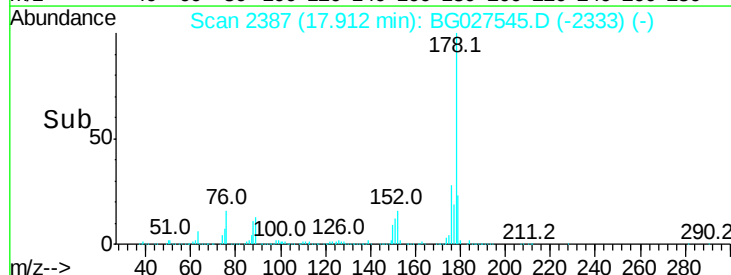
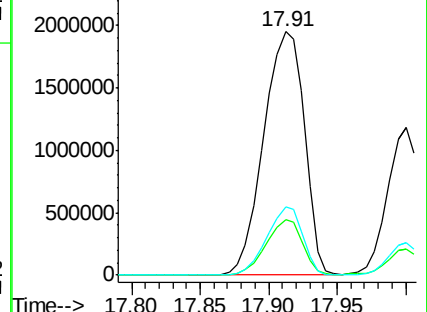
176 27.8 16.5 24.7#

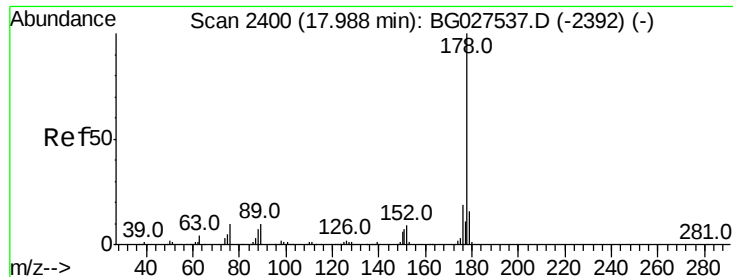


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 145.46 ng/ul

RT: 18.00 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

Instrument :

BNA_G

ClientSampleId :

F5C49

Tot Ion:178 Resp: 1966717

Ion Ratio Lower Upper

178 100

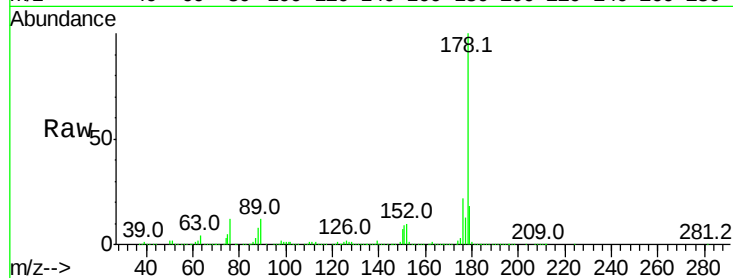
179 17.9 12.6 19.0

176 21.7 15.9 23.9

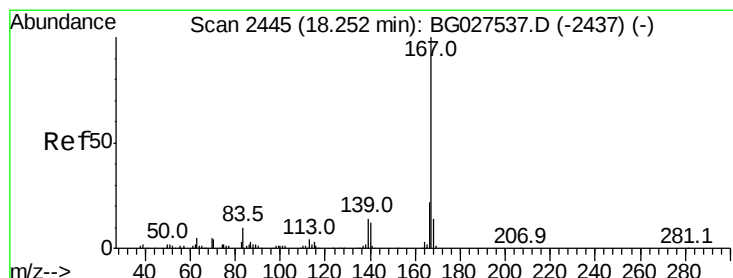
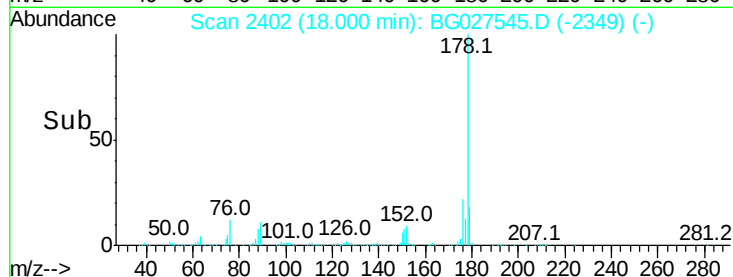
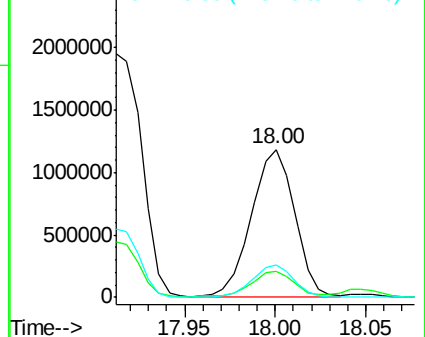
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 63.84 ng/ul

RT: 18.26 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

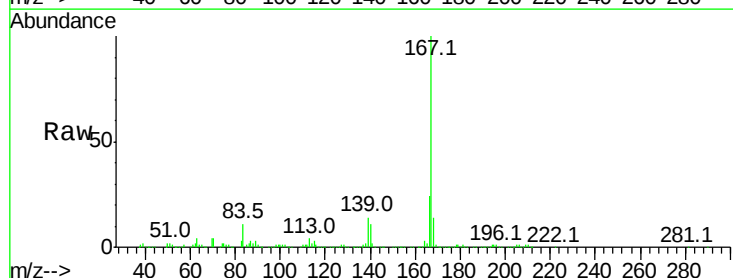
Tgt Ion:167 Resp: 742357

Ion Ratio Lower Upper

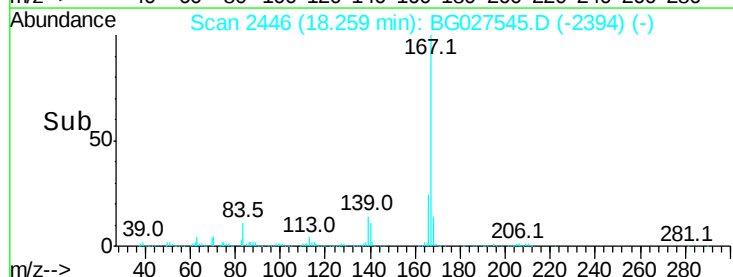
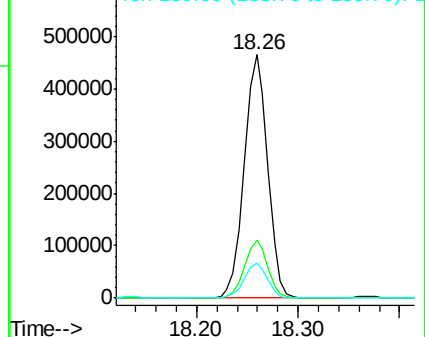
167 100

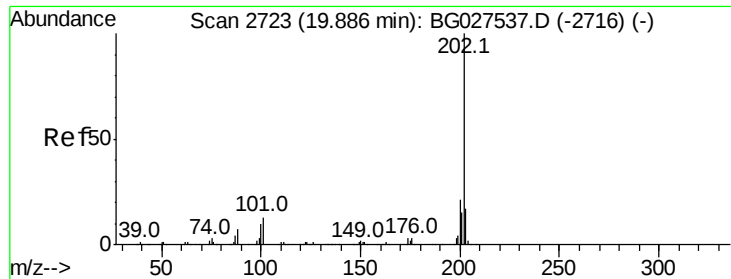
166 23.8 17.9 26.9

139 14.2 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: 209.34 ng/ul

RT: 19.90 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

Instrument :

BNA_G

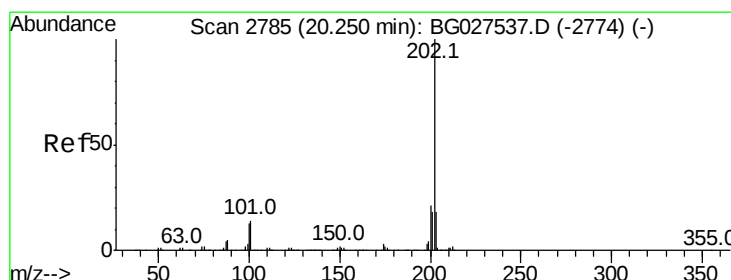
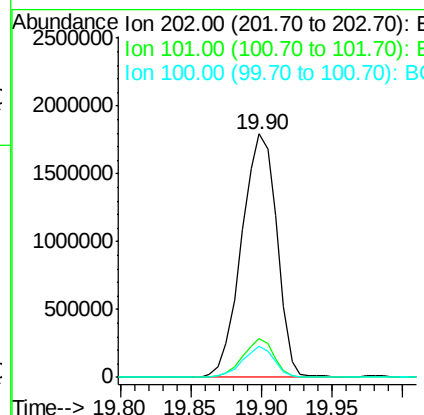
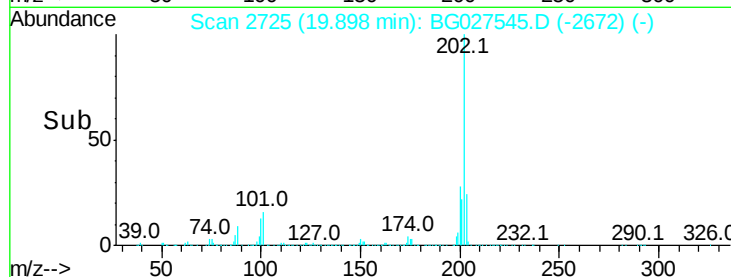
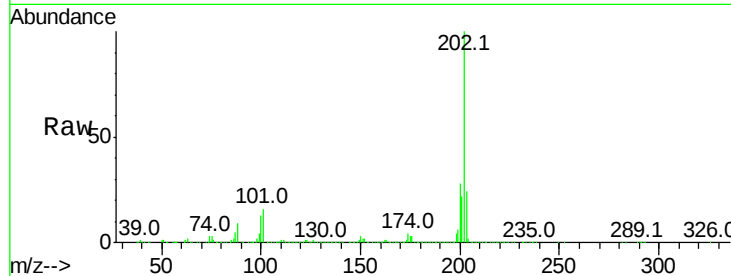
ClientSampleId :

F5C49

Tot Ion:	202	Resp:	3131924
Ion	Ratio	Lower	Upper
202	100		
101	15.9	6.2	9.2#
100	12.6	5.2	7.8#

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#77

Pyrene

Concen: 141.38 ng/ul

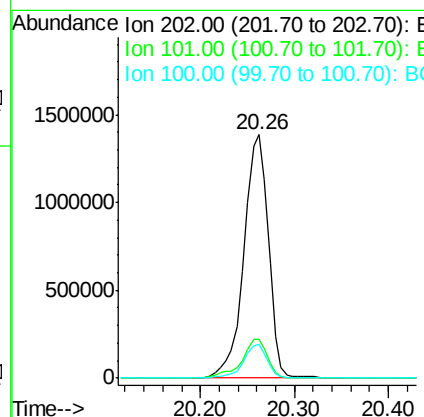
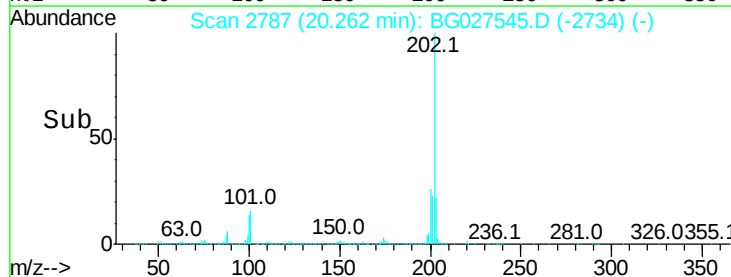
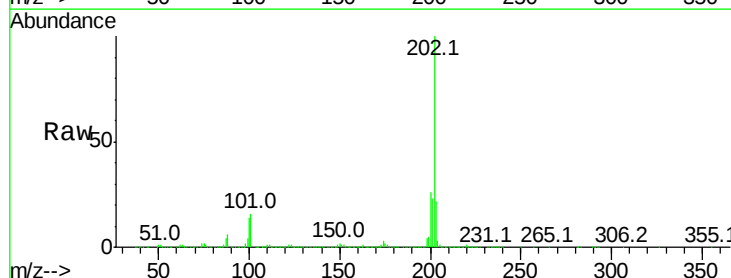
RT: 20.26 min Scan# 2787

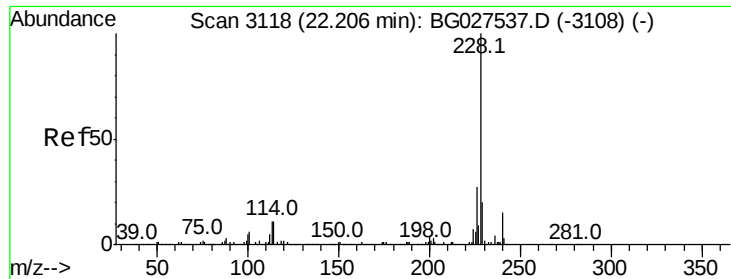
Delta R.T. 0.01 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

Tgt Ion:	202	Resp:	2502770
Ion	Ratio	Lower	Upper
202	100		
101	16.2	6.9	10.3#
100	13.7	6.6	10.0#





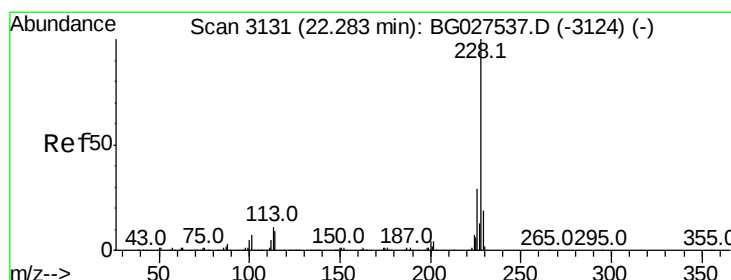
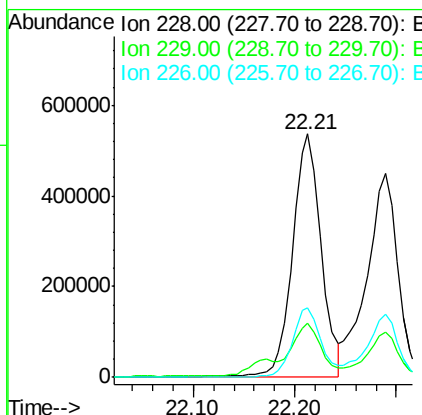
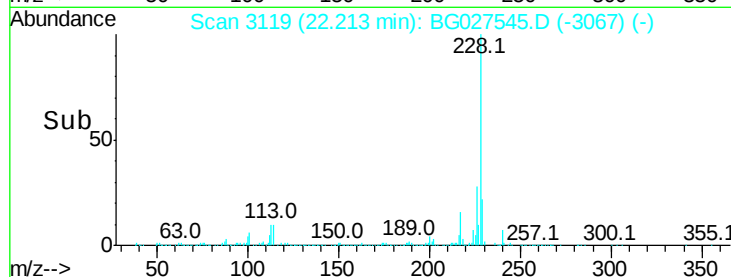
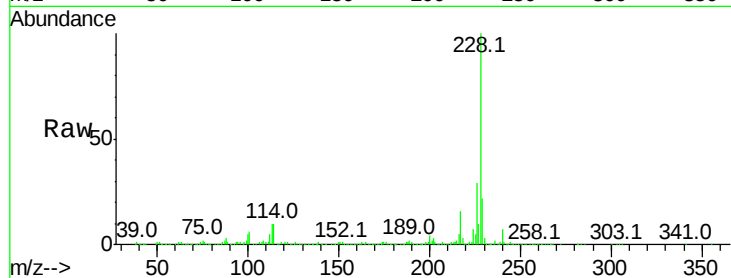
#80
Benzo(a)anthracene
Concen: 63.08 ng/ul
RT: 22.21 min Scan# 3119
Delta R.T. 0.01 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Instrument :
BNA_G
ClientSampleId :
F5C49

Tot Ion:228 Resp: 1051937
Ion Ratio Lower Upper
228 100
229 22.3 16.3 24.5
226 28.5 21.9 32.9

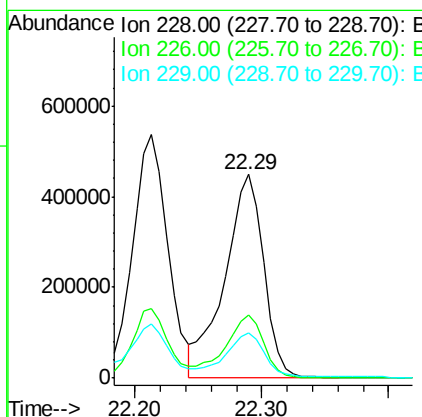
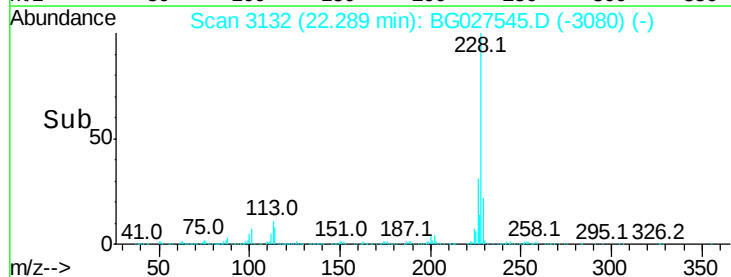
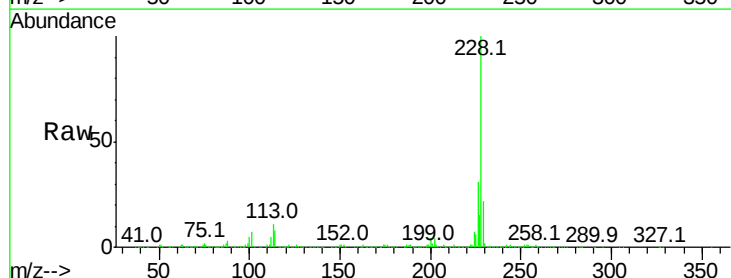
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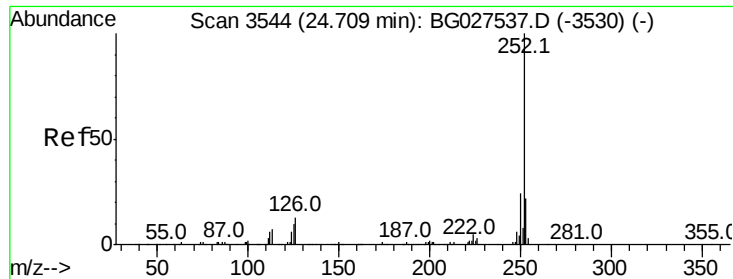
mohammad
6/20/2017 11:55:43 AM



#82
Chrysene
Concen: 63.19 ng/ul
RT: 22.29 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Tgt Ion:228 Resp: 951794
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 22.5 16.9 25.3





#85

Benzo(b)fluoranthene

Concen: 60.56 ng/ul

RT: 24.73 min Scan# 3547

Delta R.T. 0.02 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

Instrument :

BNA_G

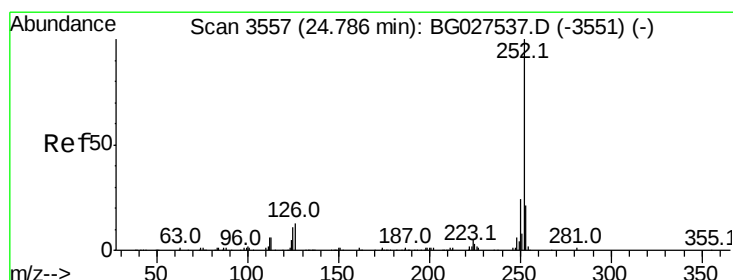
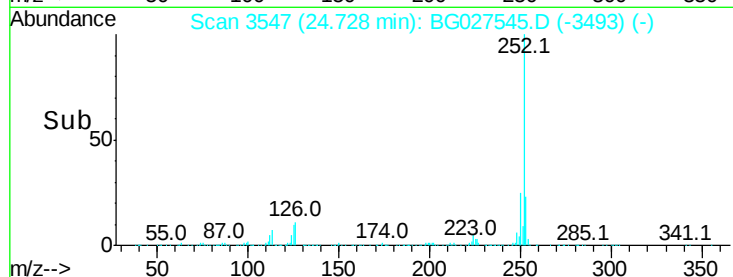
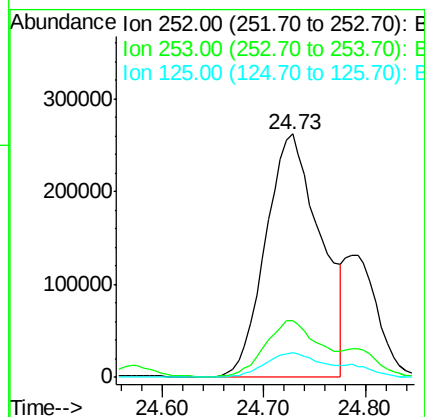
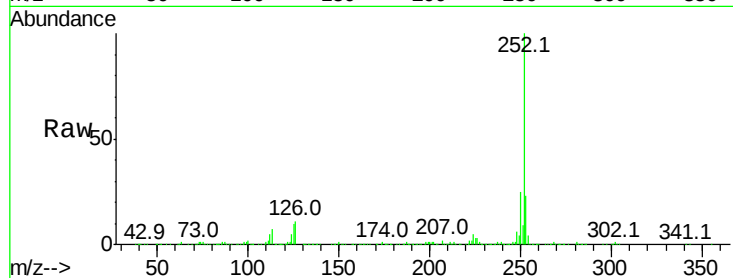
ClientSampleId :

F5C49

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	10.4	4.0	6.0#

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#86

Benzo(k)fluoranthene

Concen: 19.11 ng/ul m

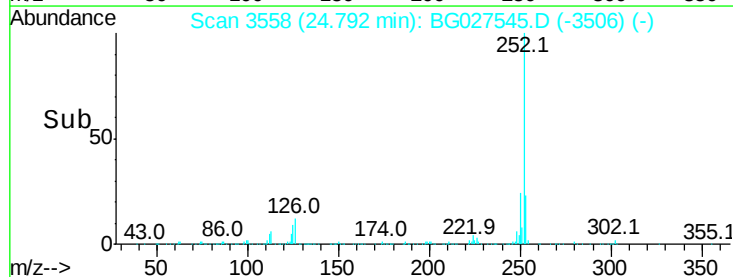
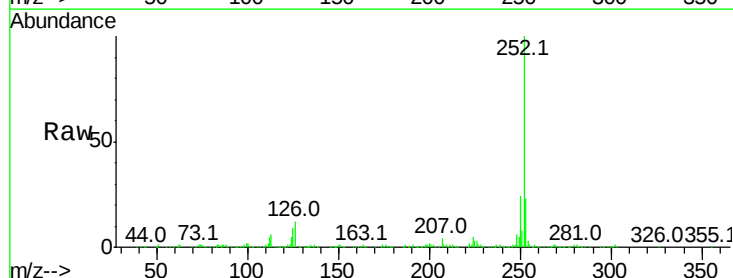
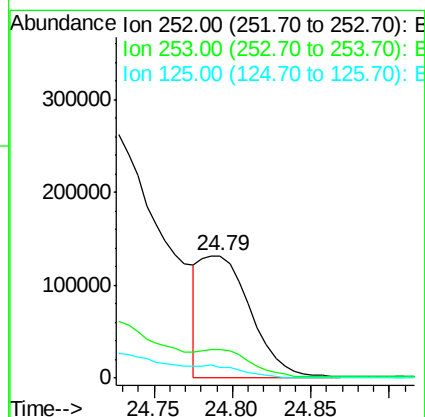
RT: 24.79 min Scan# 3558

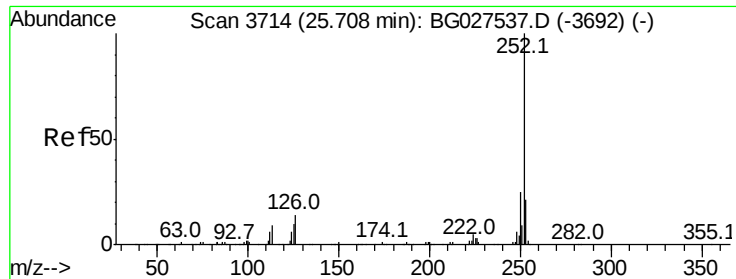
Delta R.T. 0.01 min

Lab File: BG027545.D

Acq: 20 Jun 2017 1:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	9.1	4.1	6.1#





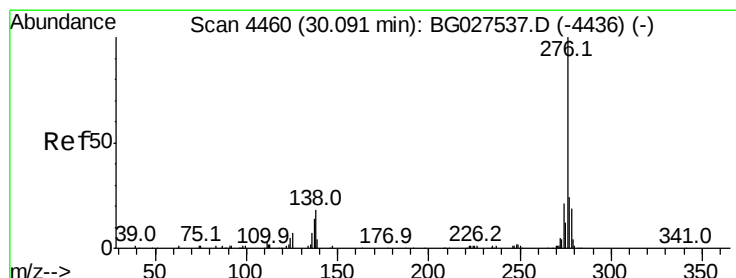
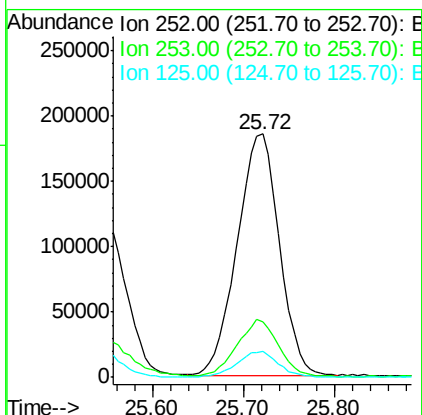
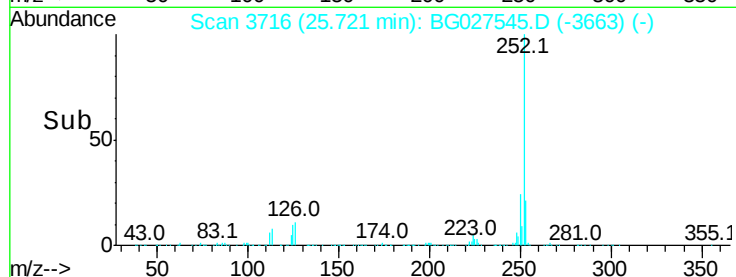
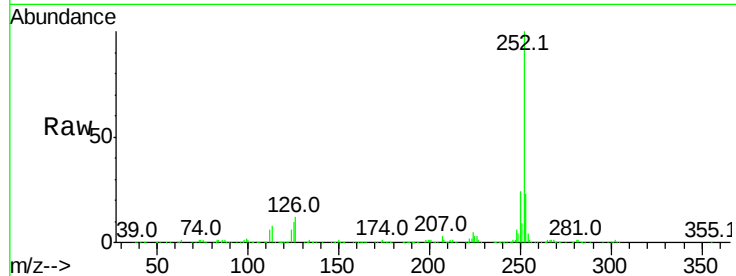
#88
Benzo(a)pyrene
Concen: 38.10 ng/ul
RT: 25.72 min Scan# 3716
Delta R.T. 0.01 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Instrument :
BNA_G
ClientSampled :
F5C49

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	10.5	5.4	8.0#

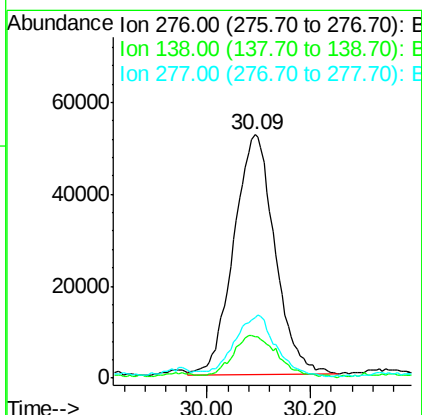
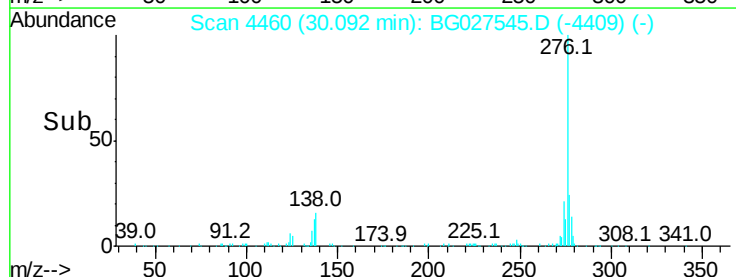
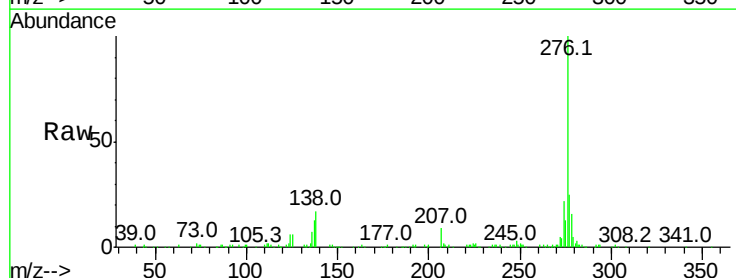
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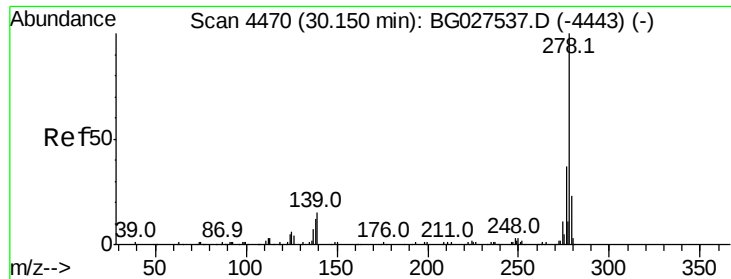
mohammad
6/20/2017 11:55:43 AM



#89
Indeno(1,2,3-cd)pyrene
Concen: 16.15 ng/ul
RT: 30.09 min Scan# 4460
Delta R.T. 0.00 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	8.2	12.4#
277	25.1	18.6	28.0





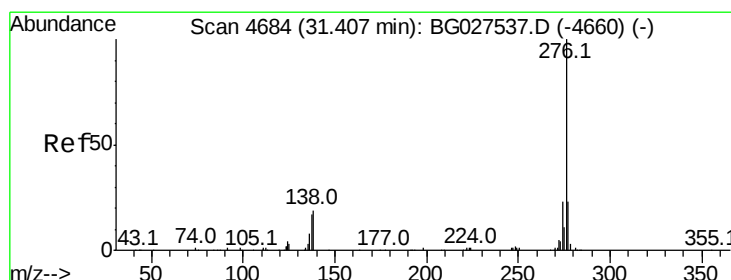
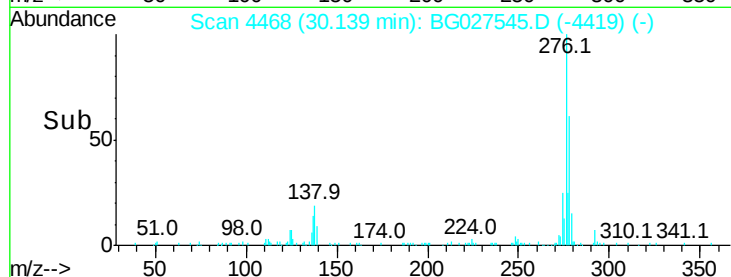
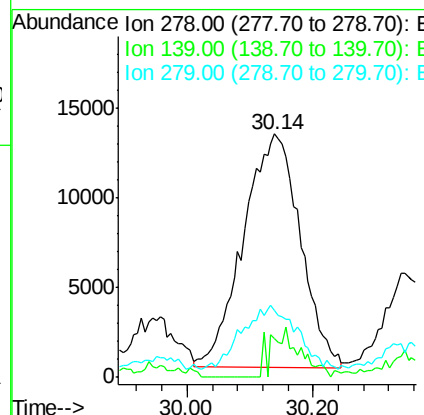
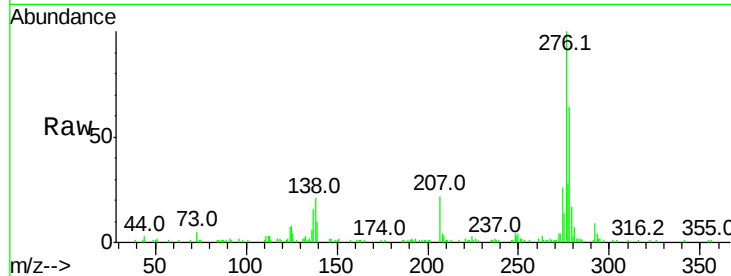
#90
Dibenzo(a,h)anthracene
Concen: 5.32 ng/ul m
RT: 30.14 min Scan# 4468
Delta R.T. -0.01 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Instrument :
BNA_G
ClientSampleId :
F5C49

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	6.7	10.1#
279	27.3	20.9	31.3

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.53 ng/ul
RT: 31.41 min Scan# 4685
Delta R.T. 0.01 min
Lab File: BG027545.D
Acq: 20 Jun 2017 1:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	8.6	12.8#
277	25.3	17.6	26.4

