

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
 Data File : BG027519.D
 Acq On : 17 Jun 2017 23:07
 Operator : SJ/MA
 Sample : I3599-10 20X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5B24

Manual Integrations
 APPROVED

mohammad
 6/19/2017 9:13:55 AM

Quant Time: Jun 19 03:38:27 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 19 01:52:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	48458	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	251344	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	162584	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	357972	20.00	ng/ul	0.00
75) Chrysene-d12	22.24	240	403371	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	376670	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.65	99	4385	0.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.84	67	2828	0.79	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2685	0.77	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	3010	0.73	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	1163	0.64	ng/ul	0.00
22) 2-Nitrophenol-d4	10.42	143	1523	0.79	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.94	165	2730	0.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	3935	0.85	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	10523	0.77	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	12256	0.78	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	1315	0.49	ng/ul	0.01
57) Fluorene-d10	16.09	176	10720	0.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	828	0.37	ng/ul	0.00
70) Anthracene-d10	17.95	188	15822	0.95	ng/ul	0.00
76) Pyrene-d10	20.23	212	17724	0.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	14902	0.88	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	11.39	128	114289	8.848	ng/ul	97
34) 2-Methylnaphthalene	12.95	142	37158	3.879	ng/ul	95
40) 1,1'-Biphenyl	13.94	154	13724	1.067	ng/ul#	96
49) Acenaphthene	15.17	153	235312	21.473	ng/ul	99
53) Dibenzofuran	15.50	168	132401	8.289	ng/ul	96
58) Fluorene	16.14	166	215804	16.281	ng/ul	100
69) Phenanthrene	17.90	178	890140	46.272	ng/ul	99
71) Anthracene	17.99	178	318275	16.271	ng/ul	99
72) Carbazole	18.25	167	81686	4.856	ng/ul	98
74) Fluoranthene	19.90	202	2413665	111.516	ng/ul#	81
77) Pyrene	20.26	202	1920496	80.546	ng/ul#	78
80) Benzo(a)anthracene	22.21	228	854402	38.036	ng/ul	98
82) Chrysene	22.29	228	898869	44.307	ng/ul	97
85) Benzo(b)fluoranthene	24.73	252	1116763	49.781	ng/ul#	95
86) Benzo(k)fluoranthene	24.79	252	355914m	16.506	ng/ul	
88) Benzo(a)pyrene	25.72	252	498425	23.140	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.09	276	277785	11.297	ng/ul#	90
90) Dibenzo(a,h)anthracene	30.13	278	86926	4.117	ng/ul#	89
91) Benzo(g,h,i)perylene	31.40	276	85960	4.270	ng/ul#	87

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

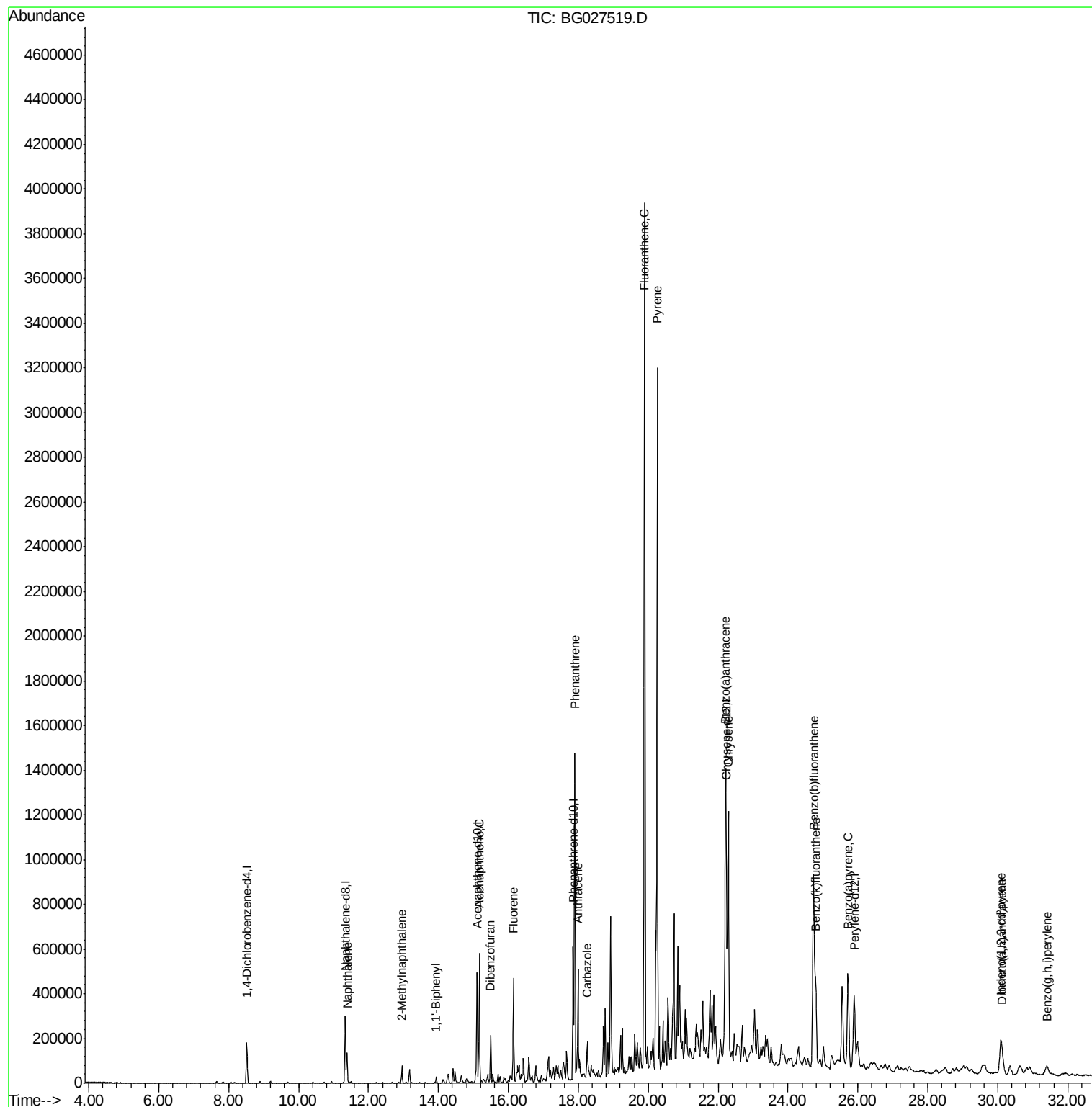
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

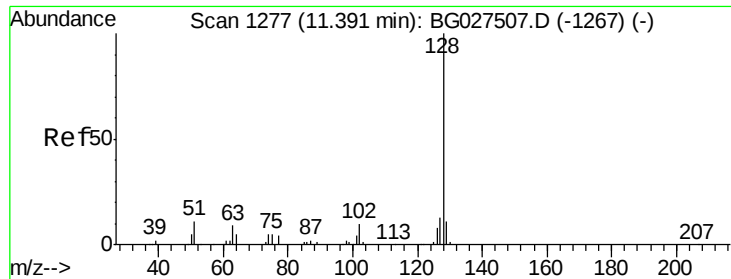
Instrument :
BNA_G
ClientSampleId :
F5B24

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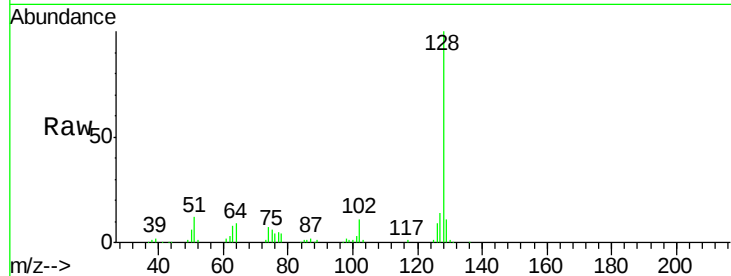
#28
Naphthalene
Concen: 8.848 ng/ul
RT: 11.39 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Instrument :
BNA_G
ClientSampleId :
F5B24

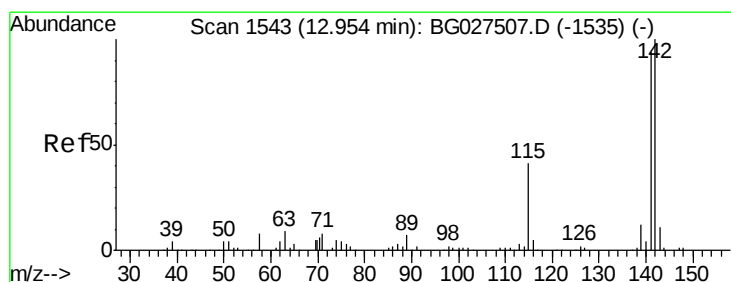
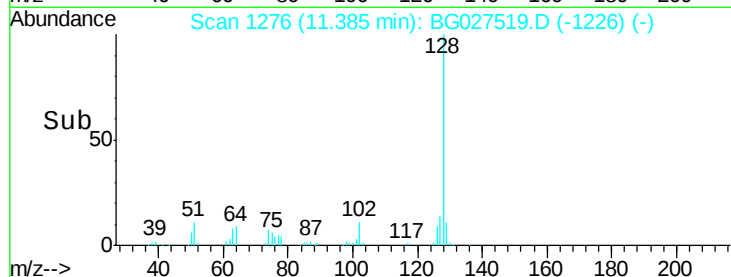
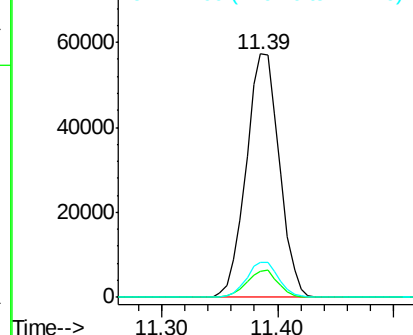
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	114289		
129	10.9		9.4	14.2
127	14.1		10.3	15.5

Manual Integrations
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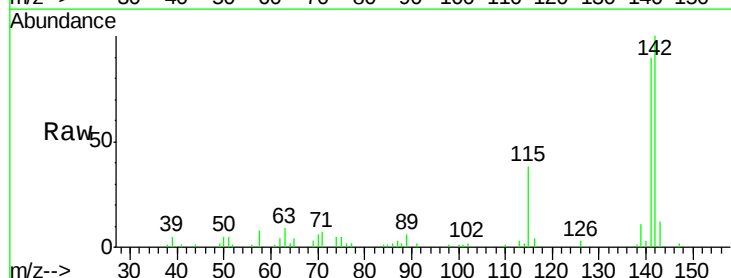


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

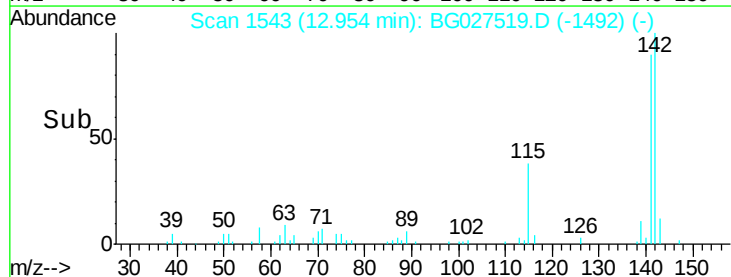
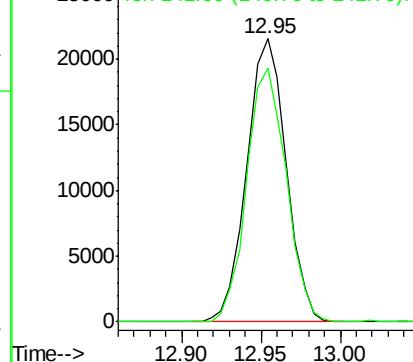


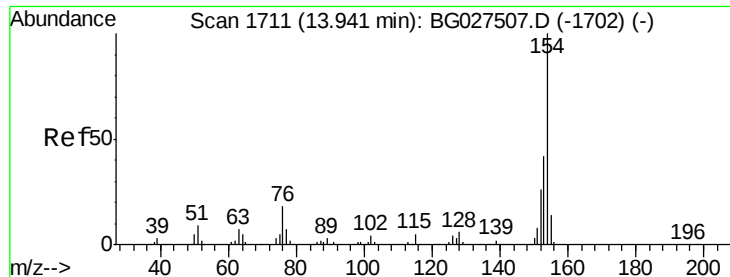
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2-Methylnaphthalene
Concen: 3.879 ng/ul
RT: 12.95 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	37158		
141	89.8		68.6	102.8



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





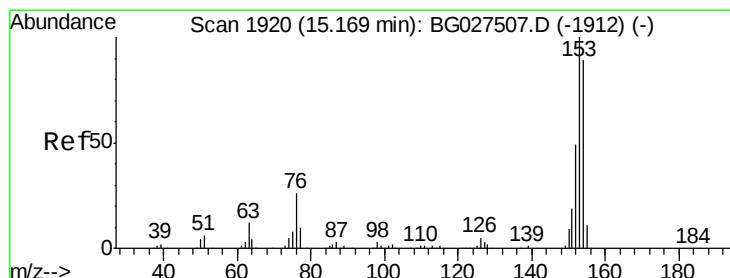
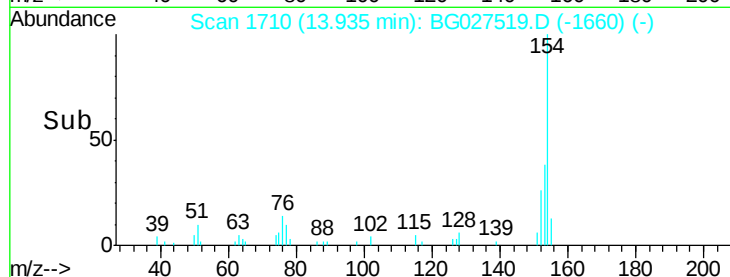
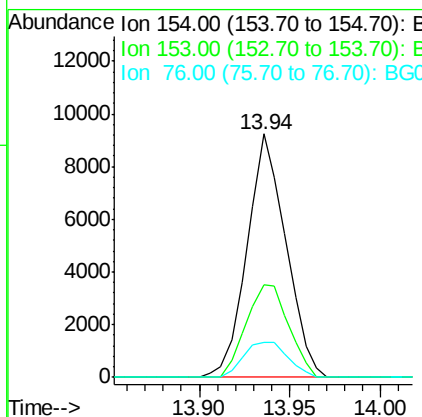
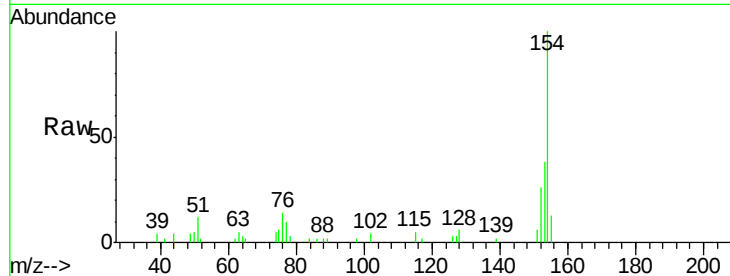
#40
1,1'-Biphenyl
Concen: 1.067 ng/ul
RT: 13.94 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Instrument :
BNA_G
ClientSampleId :
F5B24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	13724		
153	38.1	32.2	48.2	
76	14.5	9.6	14.4	

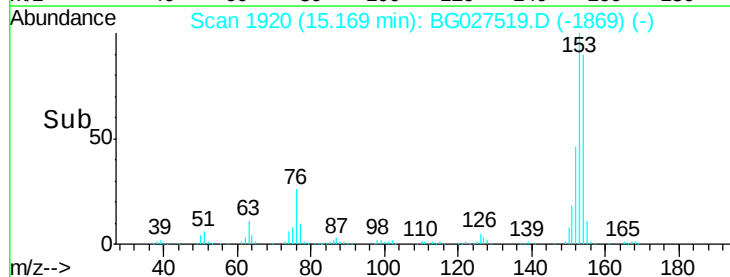
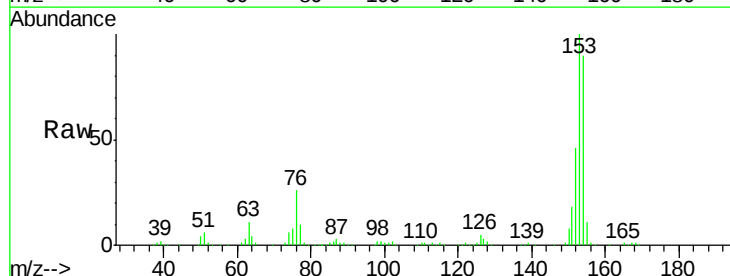
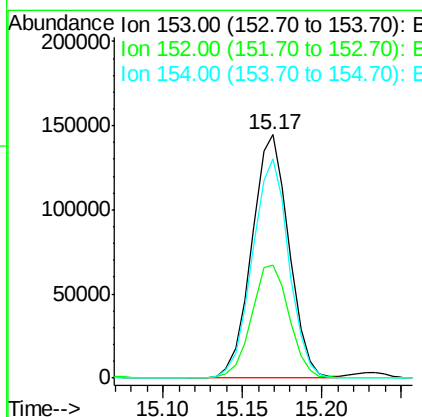
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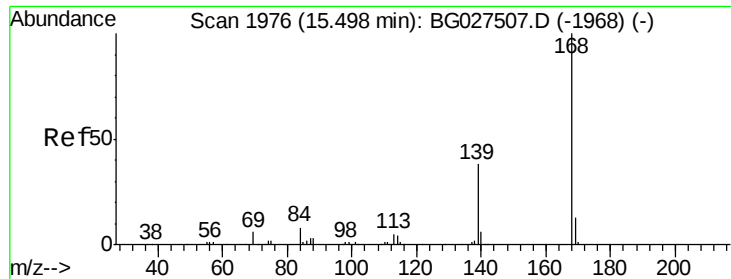
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#49
Acenaphthene
Concen: 21.473 ng/ul
RT: 15.17 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	235312		
152	46.5	36.5	54.7	
154	89.8	72.3	108.5	





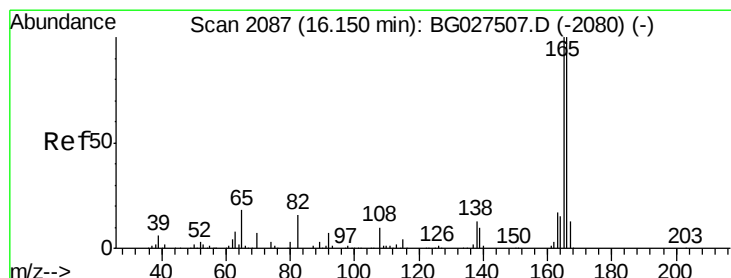
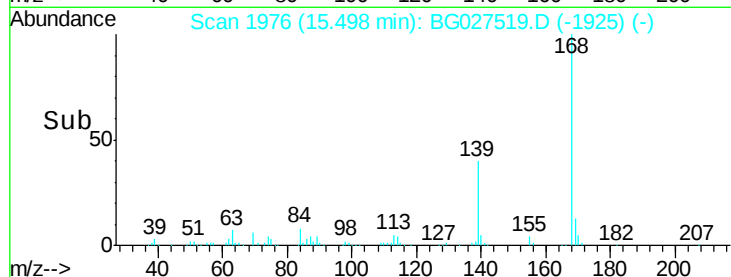
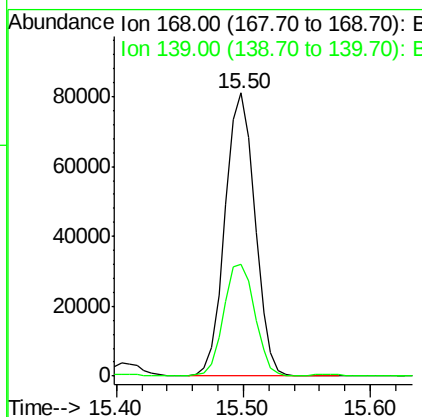
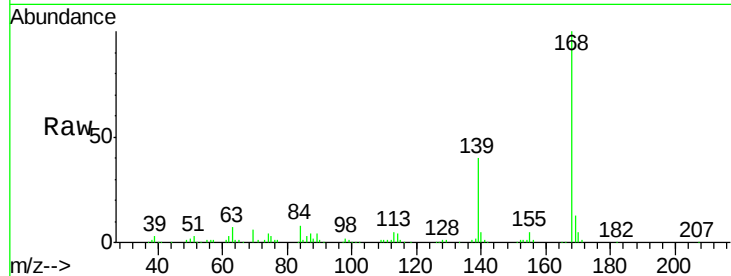
#53
Dibenzenofuran
Concen: 8.289 ng/ul
RT: 15.50 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Instrument :
BNA_G
ClientSampleId :
F5B24

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.6	33.8	50.8

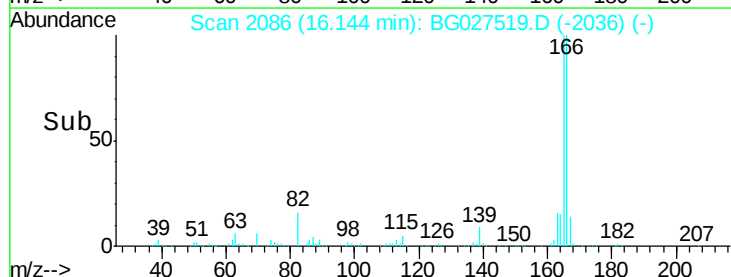
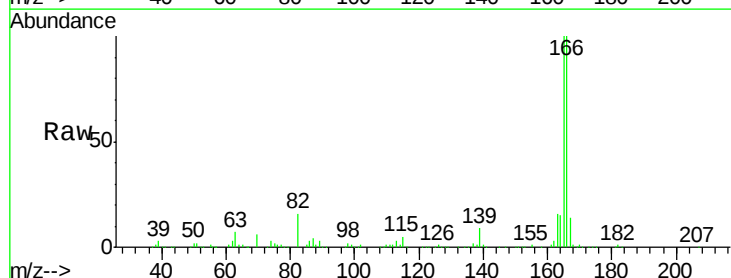
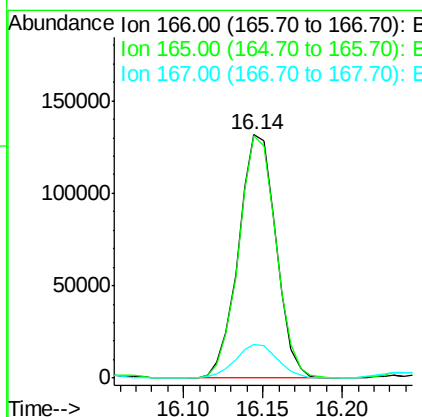
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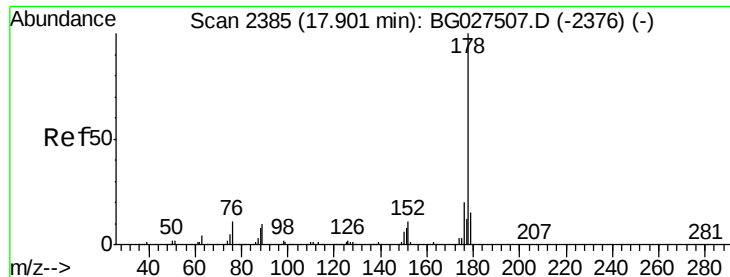
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#58
Fluorene
Concen: 16.281 ng/ul
RT: 16.14 min Scan# 2086
Delta R.T. -0.01 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.7	119.5
167	13.9	11.4	17.2





#69

Phenanthrene

Concen: 46.272 ng/ul

RT: 17.90 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

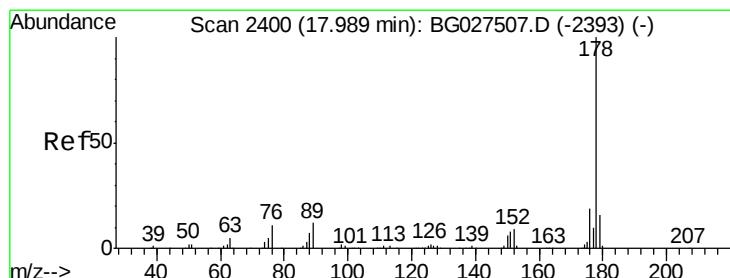
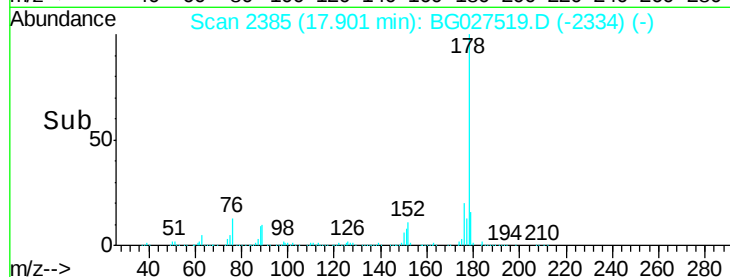
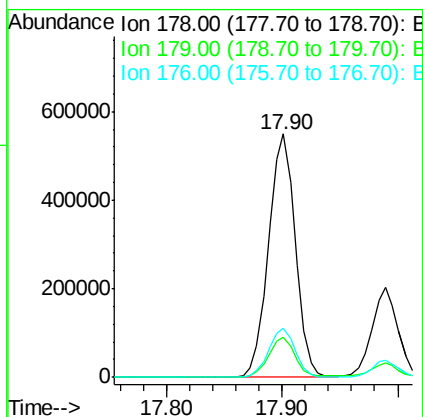
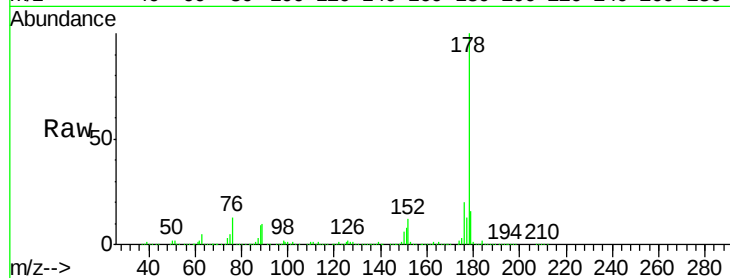
ClientSampleId :

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Tgt Ion:	178	Resp:	890140
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.4	18.6
176	20.4	16.5	24.7

Manual Integrations
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#71

Anthracene

Concen: 16.271 ng/ul

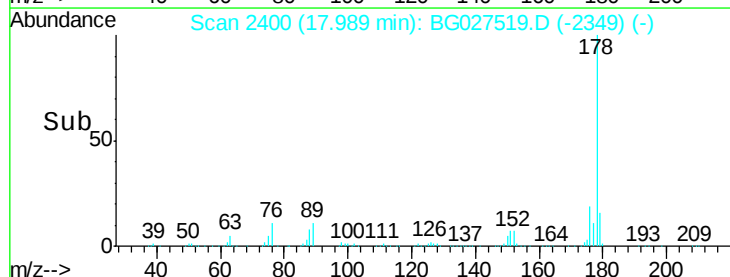
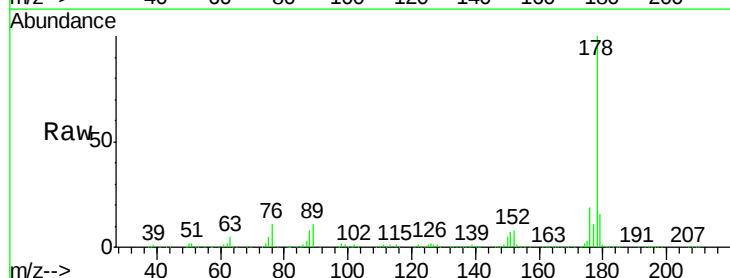
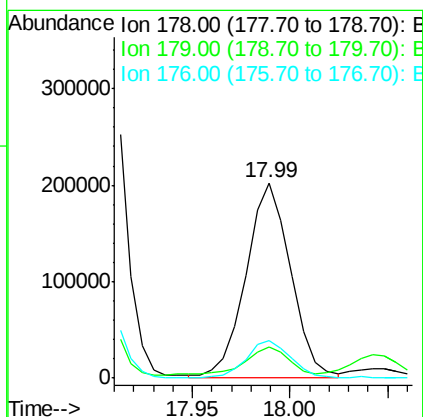
RT: 17.99 min Scan# 2400

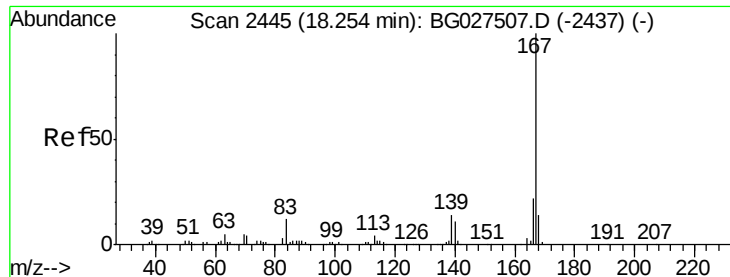
Delta R.T. -0.00 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Tgt Ion:	178	Resp:	318275
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.6	19.0
176	19.3	15.9	23.9





#72

Carbazole

Concen: 4.856 ng/ul

RT: 18.25 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

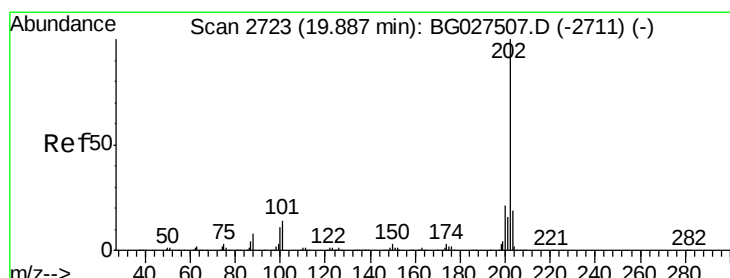
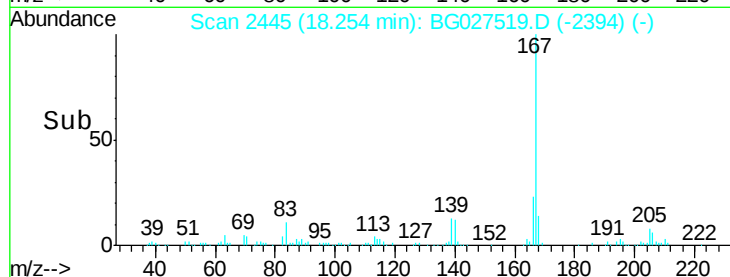
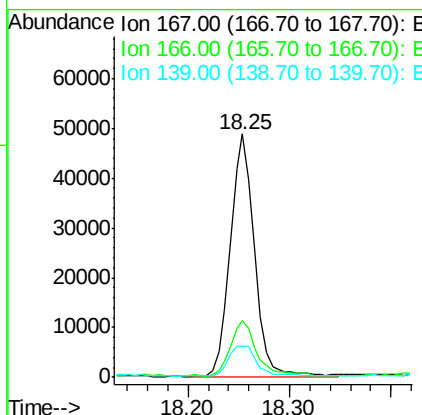
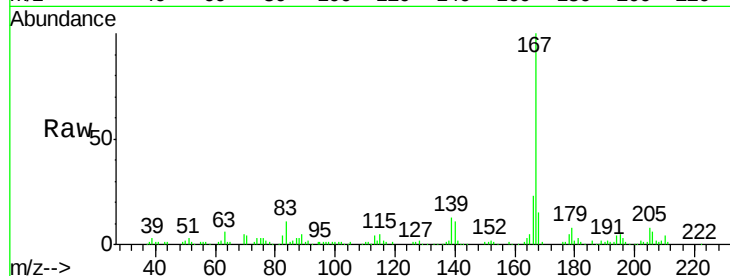
ClientSampleId :

F5B24

Tgt Ion:	167	Resp:	81686
Ion Ratio		Lower	Upper
167	100		
166	23.5	17.9	26.9
139	13.0	10.5	15.7

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#74

Fluoranthene

Concen: 111.516 ng/ul

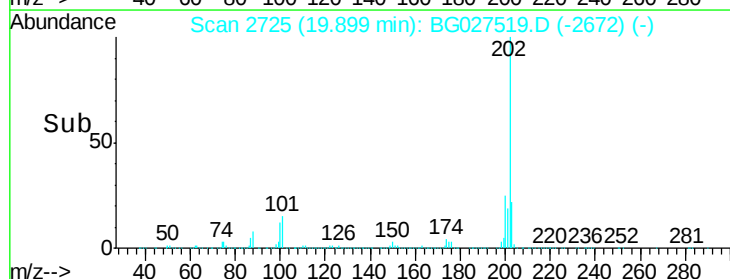
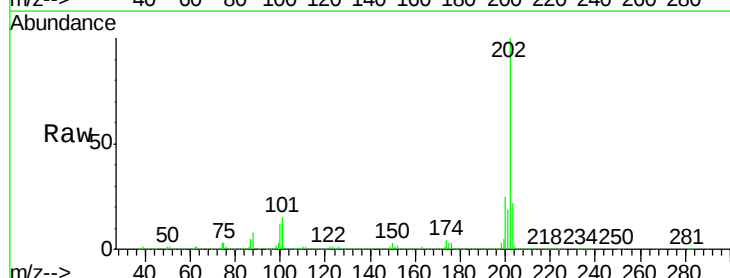
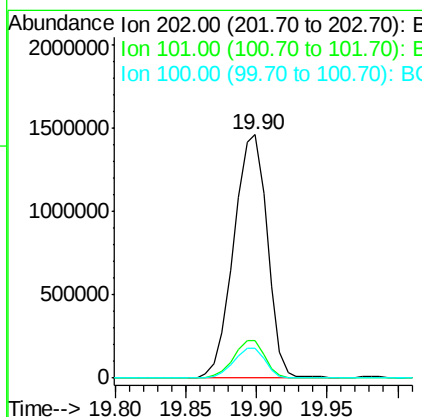
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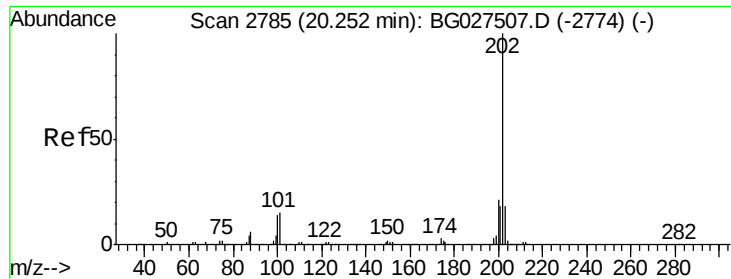
Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Tgt Ion:	202	Resp:	2413665
Ion Ratio		Lower	Upper
202	100		
101	15.3	6.2	9.2#
100	12.1	5.2	7.8#





#77

Pyrene

Concen: 80.546 ng/ul

RT: 20.26 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

ClientSampleId :

F5B24

Tgt Ion:202 Resp: 1920496

Ion Ratio Lower Upper

202 100

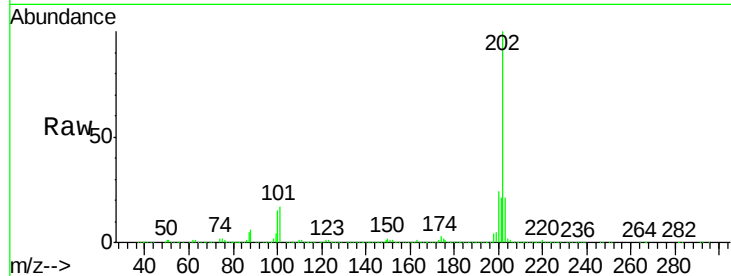
101 17.3 6.9 10.3#

100 15.0 6.6 10.0#

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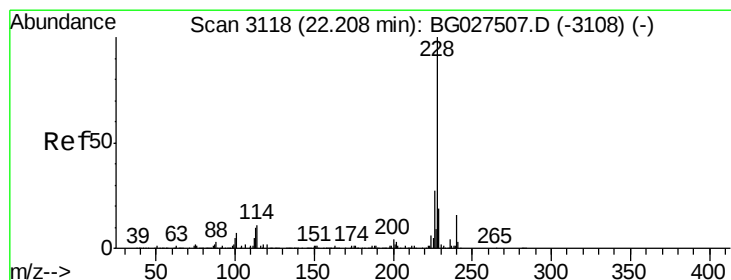
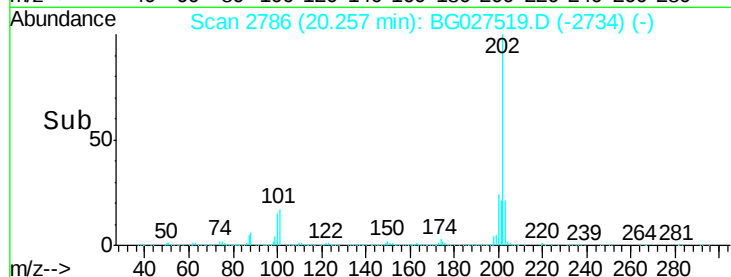
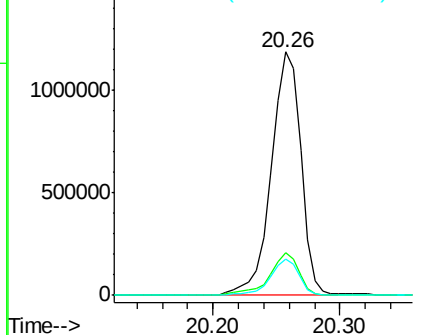
6/19/2017 9:13:55 AM



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: 38.036 ng/ul

RT: 22.21 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Tgt Ion:228 Resp: 854402

Ion Ratio Lower Upper

228 100

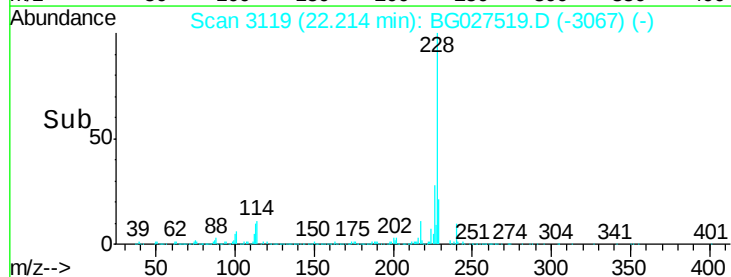
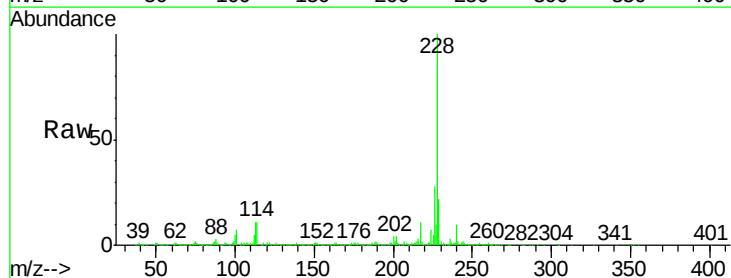
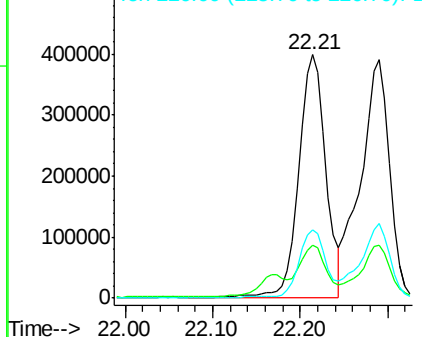
229 21.8 16.3 24.5

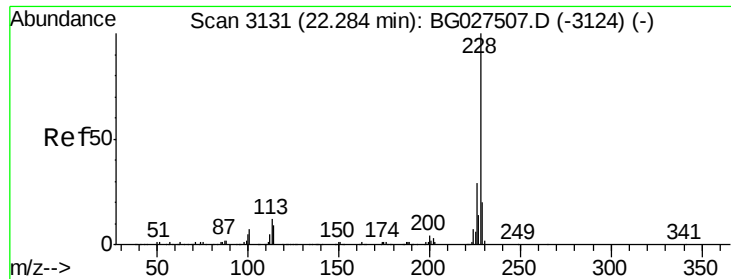
226 28.2 21.9 32.9

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





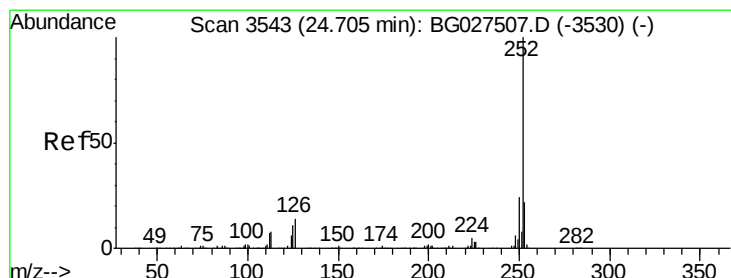
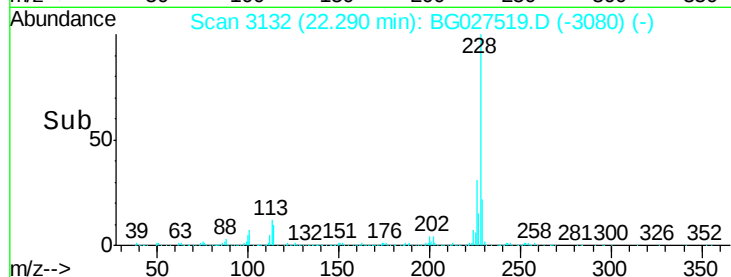
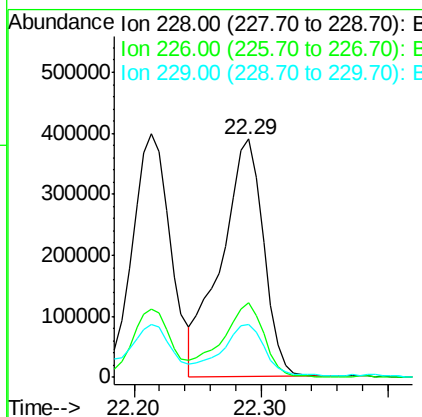
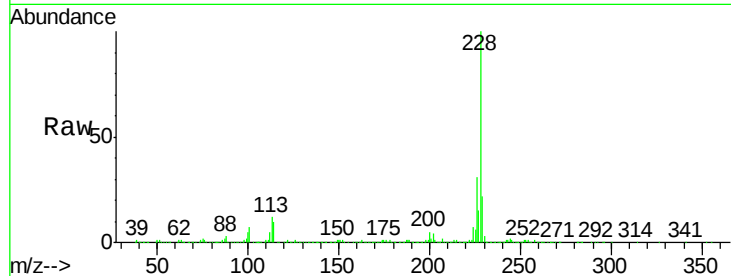
#82
Chrysene
Concen: 44.307 ng/ul
RT: 22.29 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Instrument :
BNA_G
ClientSampleId :
F5B24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	898869		
226	31.4	24.0	36.0	
229	22.3	16.9	25.3	

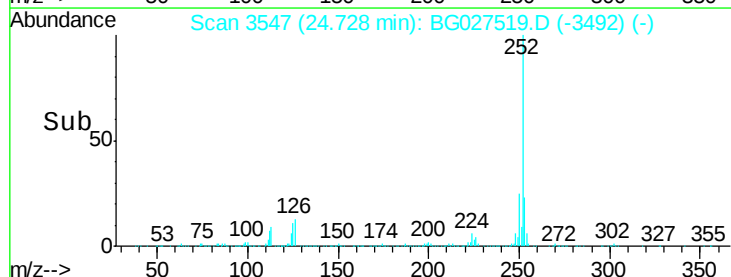
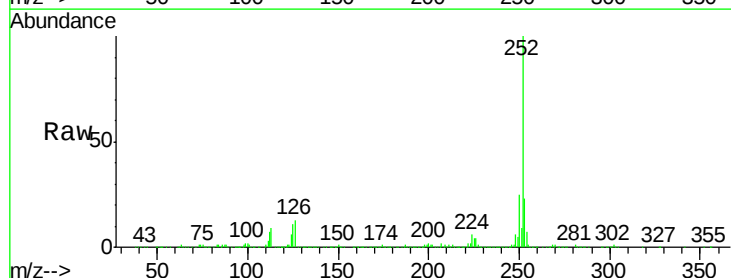
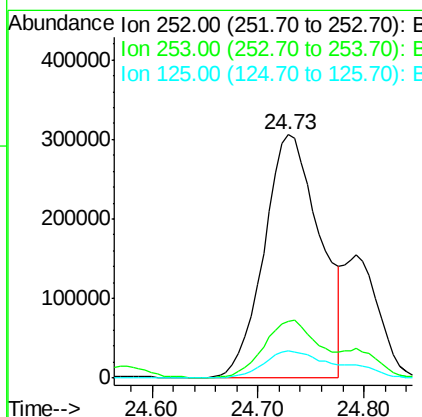
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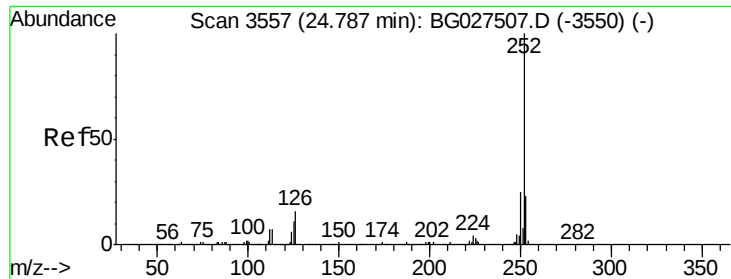
mohammad
6/19/2017 9:13:55 AM



#85
Benzo(b)fluoranthene
Concen: 49.781 ng/ul
RT: 24.73 min Scan# 3547
Delta R.T. 0.02 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1116763		
253	23.1	17.7	26.5	
125	11.3	4.0	6.0	





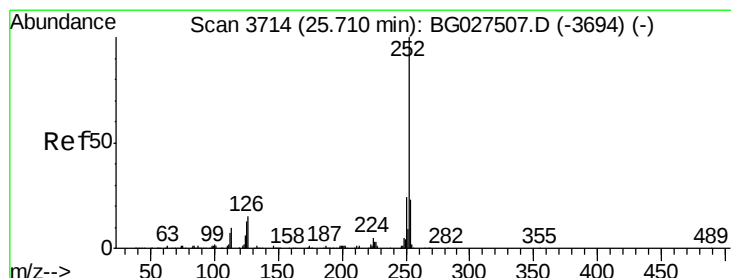
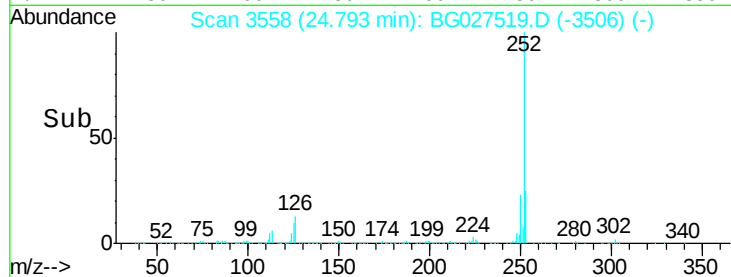
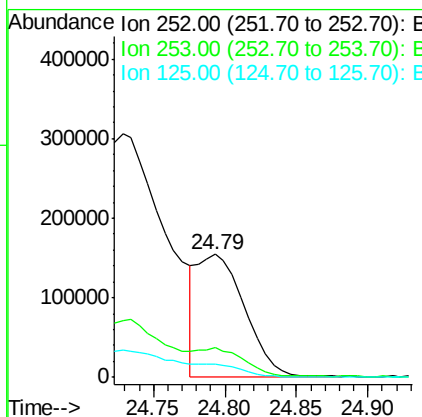
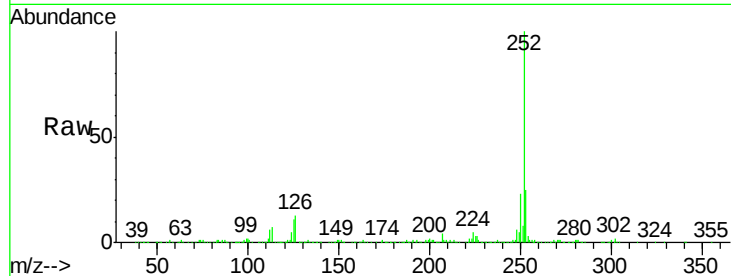
#86
Benzo(k)fluoranthene
Concen: 16.506 ng/ul
RT: 24.79 min Scan# 3558
Delta R.T. 0.01 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Instrument :
BNA_G
ClientSampleId :
F5B24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.5	27.7
125	10.6	4.1	6.1

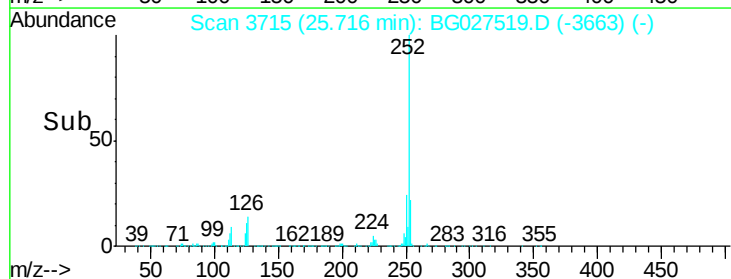
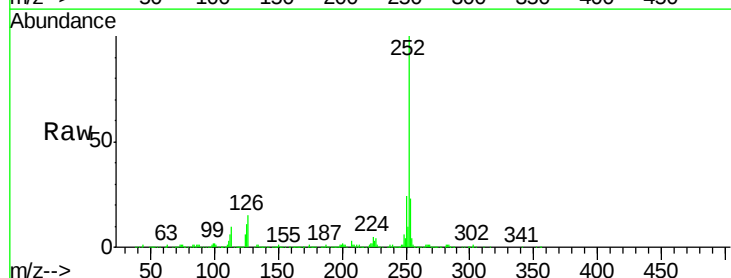
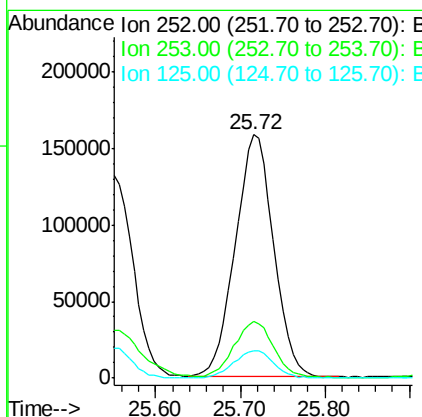
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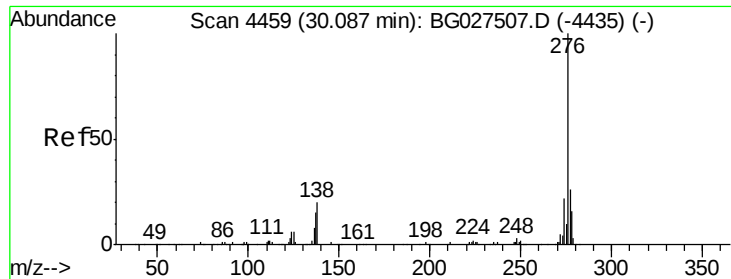
mohammad
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#88
Benzo(a)pyrene
Concen: 23.140 ng/ul
RT: 25.72 min Scan# 3715
Delta R.T. 0.01 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.2	5.4	8.0





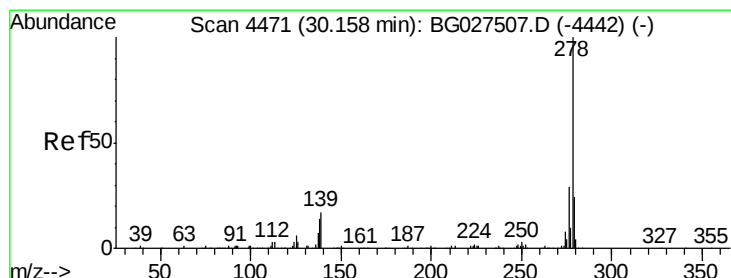
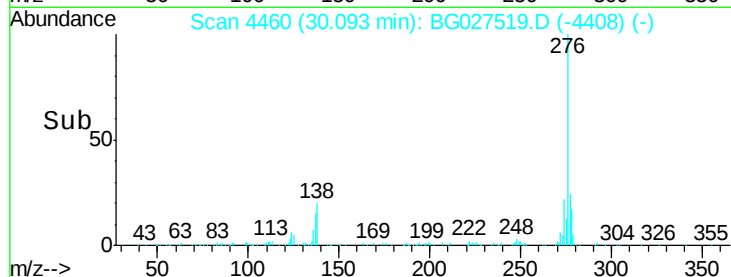
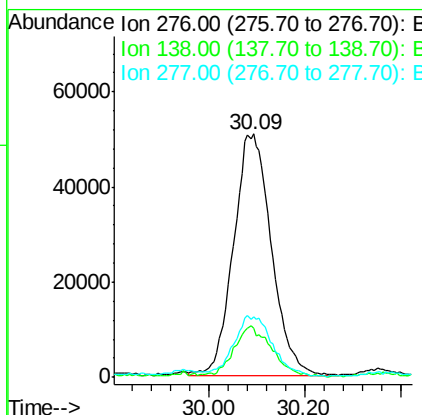
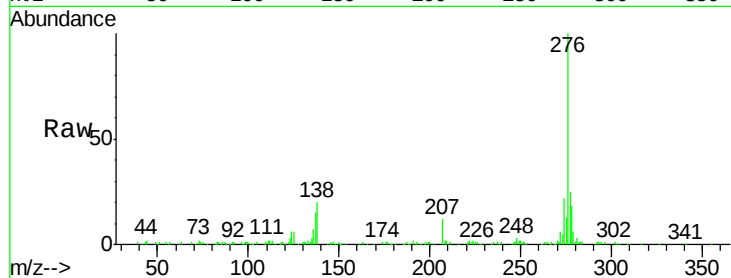
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 11.297 ng/ul
 RT: 30.09 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: BG027519.D
 Acq: 17 Jun 2017 23:07

Instrument :
 BNA_G
 ClientSampleId :
 F5B24

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	277785		
138	20.2	8.2	12.4#	
277	24.8	18.6	28.0	

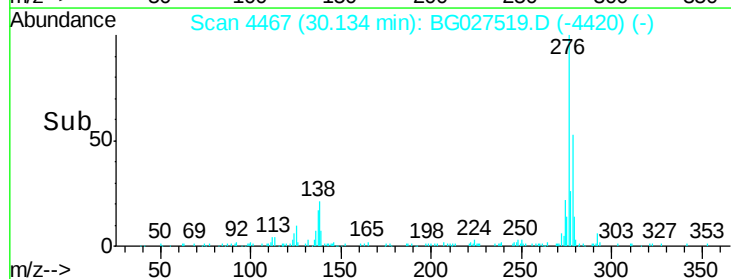
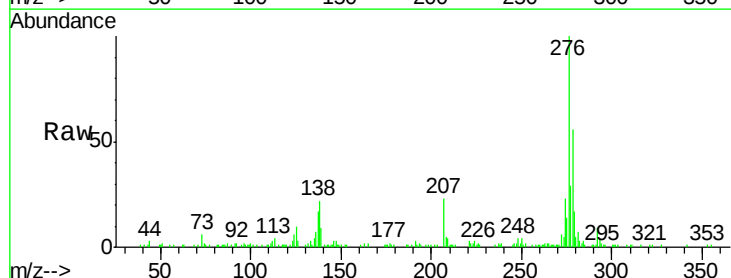
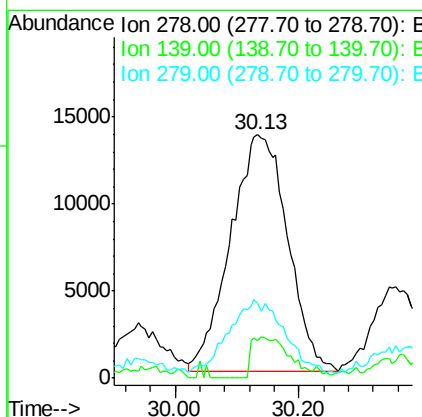
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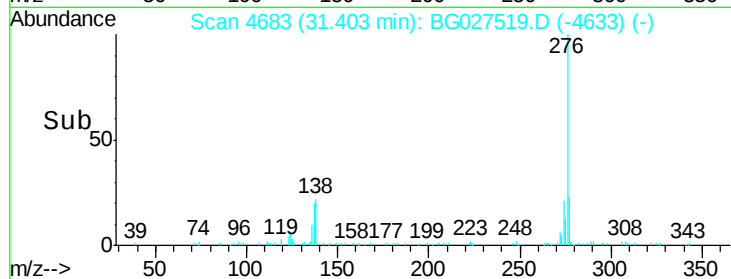
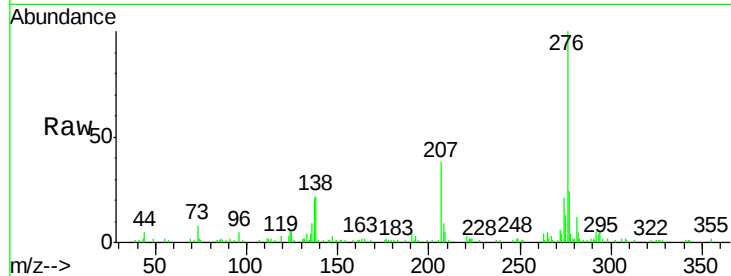
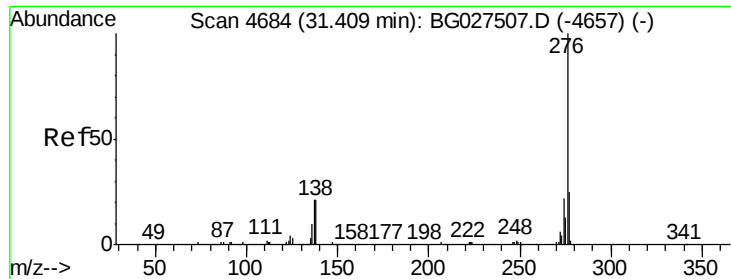
mohammad
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#90
 Dibenzo(a,h)anthracene
 Concen: 4.117 ng/ul
 RT: 30.13 min Scan# 4467
 Delta R.T. -0.02 min
 Lab File: BG027519.D
 Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	86926		
139	15.6	6.7	10.1#	
279	30.5	20.9	31.3	





#91

Benzo(g,h,i)perylene

Concen: 4.270 ng/ul

RT: 31.40 min Scan# 4683

Delta R.T. -0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	85960		
138	21.8		8.6	12.8#
277	24.4		17.6	26.4

Instrument :

BNA_G

ClientSampleId :

F5B24

Manual Integrations
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