

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031017\
 Data File : BG026205.D
 Acq On : 11 Mar 2017 12:36
 Operator : SJ/MA
 Sample : I2072-01DL 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8DL

Manual Integrations
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Quant Time: Mar 13 12:28:12 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 11 00:32:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	86790	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	388416	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.67	164	221442	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.39	188	515691	20.00	ng/ul	0.00
77) Chrysene-d12	21.64	240	567002	20.00	ng/ul	0.00
85) Perylene-d12	24.83	264	544868	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	759	0.38	ng/uL	0.00
5) Phenol-d5	7.22	99	22200	3.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	16481	4.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	17433	3.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	15767	3.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	9847	3.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	7040	3.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	15897	3.09	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	210	0.03	ng/ul	0.02
43) Dimethylphthalate-d6	14.06	166	57126	3.97	ng/ul	0.00
46) Acenaphthylene-d8	14.36	160	80723	4.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.84	143	3811	1.34	ng/ul	0.00
57) Fluorene-d10	15.65	176	60753	4.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.77	200	2007	0.83	ng/ul	0.00
70) Anthracene-d10	17.49	188	95008m	4.06	ng/ul	0.00
78) Pyrene-d10	19.77	212	105634	4.53	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.61	264	92865	3.87	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.91	128	97295	5.14	ng/ul	97
34) 2-Methylnaphthalene	12.51	142	17031	1.20	ng/ul	93
44) Dimethylphthalate	14.11	163	32549	2.31	ng/ul	97
49) Acenaphthene	14.73	153	70604	5.17	ng/ul	93
53) Dibenzofuran	15.06	168	56925	2.98	ng/ul	90
58) Fluorene	15.70	166	63314	3.99	ng/ul	95
69) Phenanthrene	17.44	178	690007	25.25	ng/ul	98
71) Anthracene	17.53	178	136795	4.97	ng/ul	99
74) Carbazole	17.79	167	74557	3.01	ng/ul	94
76) Fluoranthene	19.44	202	866269	28.11	ng/ul	98
79) Pyrene	19.80	202	731684	25.31	ng/ul	96
82) Benzo(a)anthracene	21.63	228	393262	12.67	ng/ul	96
84) Chrysene	21.69	228	375152	12.64	ng/ul	96
87) Benzo(b)fluoranthene	23.82	252	421632	13.96	ng/ul	99
88) Benzo(k)fluoranthene	23.88	252	164794m	5.60	ng/ul	
90) Benzo(a)pyrene	24.68	252	290306	9.78	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.46	276	169440	4.73	ng/ul	92
92) Dibenzo(a,h)anthracene	28.51	278	46893	1.59	ng/ul	100
93) Benzo(g,h,i)perylene	29.59	276	138513m	4.66	ng/ul	

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

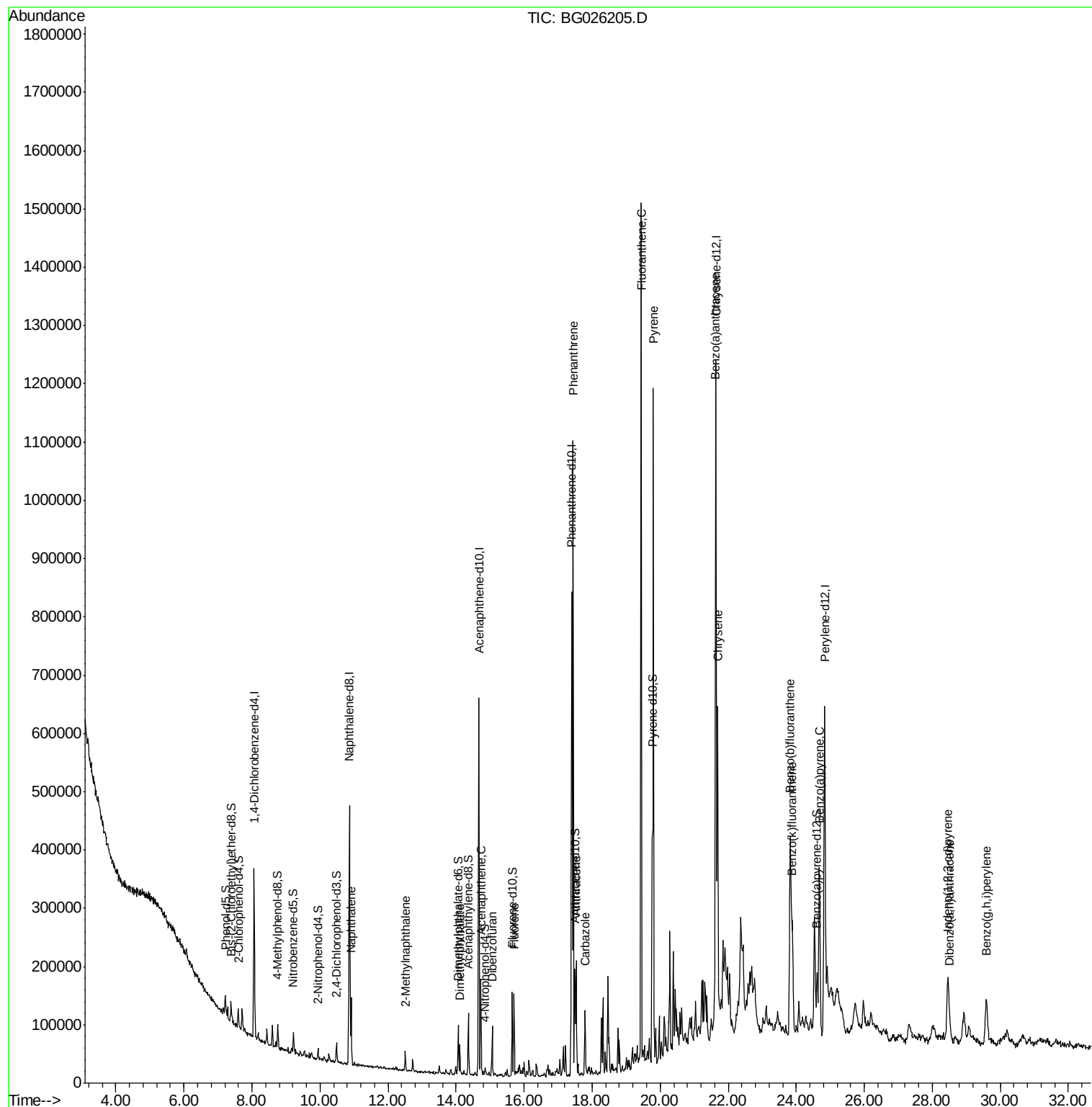
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031017\
Data File : BG026205.D
Acq On : 11 Mar 2017 12:36
Operator : SJ/MA
Sample : I2072-01DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

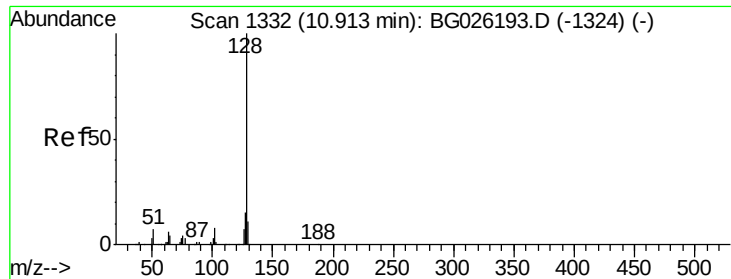
Instrument :
BNA_G
ClientSampleId :
C0AJ8DL

Manual Integrations
APPROVED

Quant Time: Mar 13 12:28:12 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 11 00:32:15 2017
Response via : Initial Calibration

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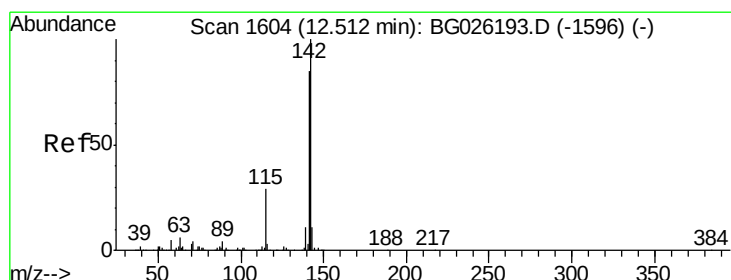
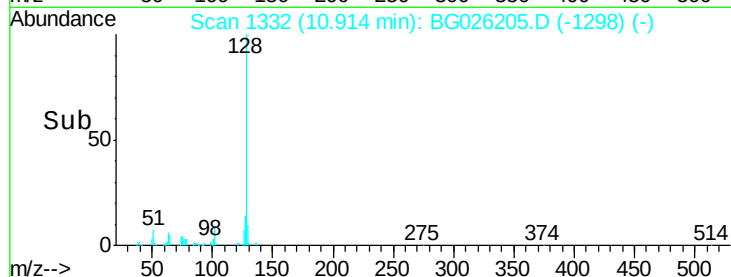
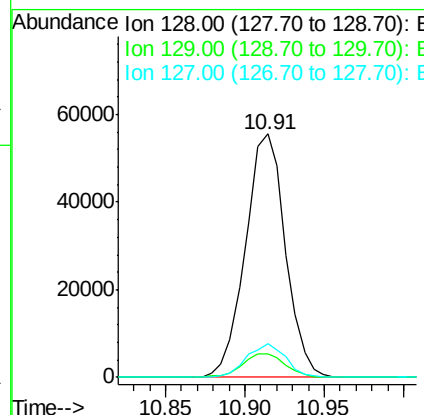
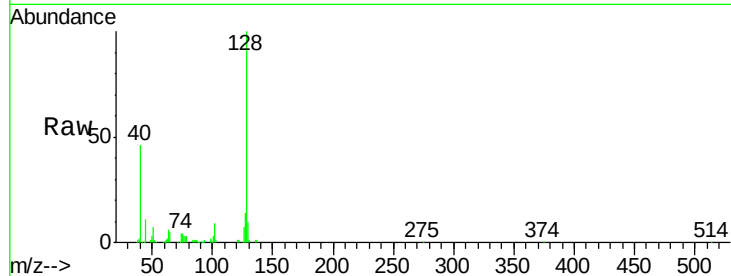
#28
Naphthalene
Concen: 5.14 ng/ul
RT: 10.91 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Instrument :
BNA_G
ClientSampleId :
C0AJ8DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.8	13.2
127	14.1	10.5	15.7

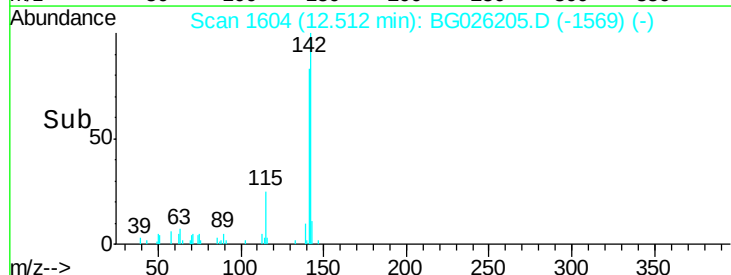
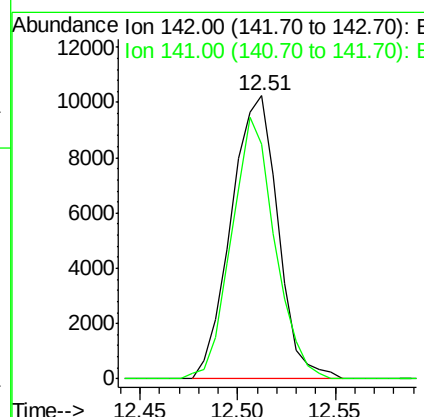
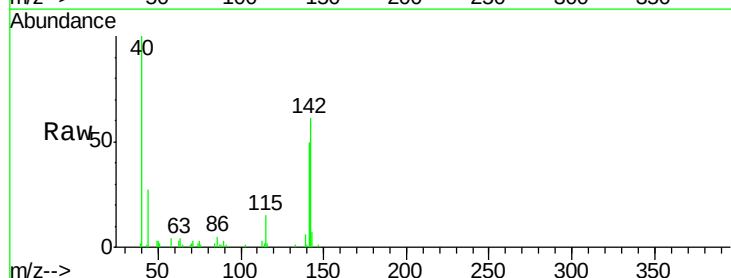
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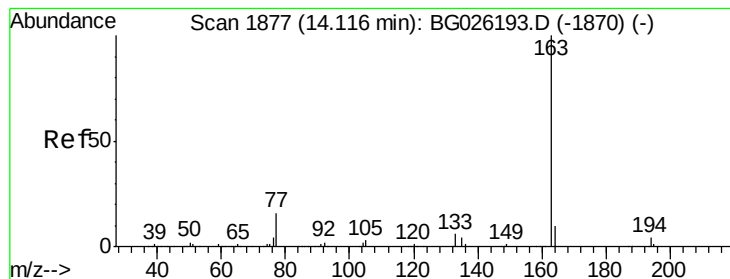
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#34
2-Methylnaphthalene
Concen: 1.20 ng/ul
RT: 12.51 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.1	71.6	107.4





#44

Dimethylphthalate

Concen: 2.31 ng/ul

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG026205.D

Acq: 11 Mar 2017 12:36

Instrument :

BNA_G

ClientSampleId :

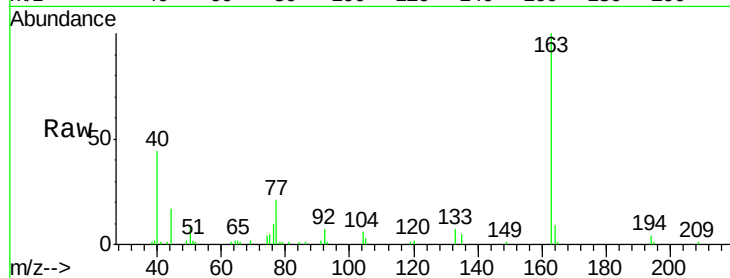
C0AJ8DL

Tgt Ion:	163	Resp:	32549
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.2	4.8
164	8.6	7.8	11.8

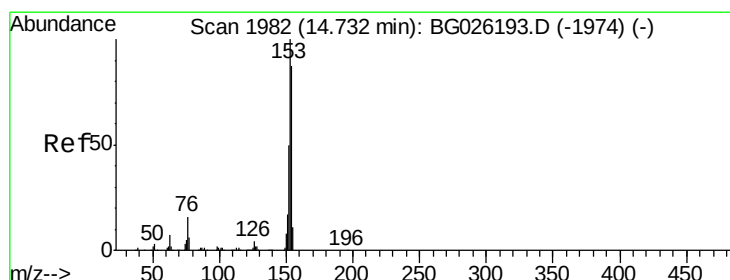
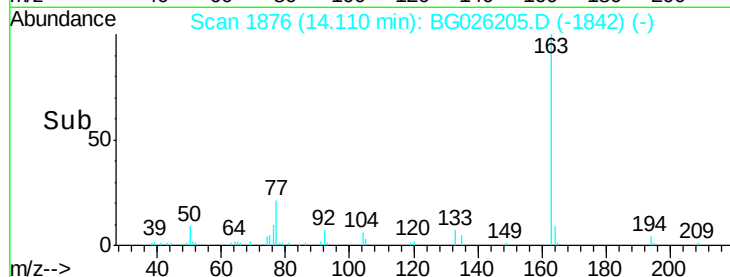
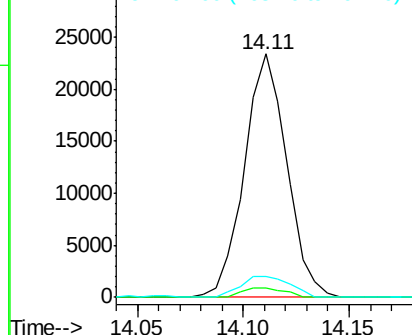
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 5.17 ng/ul

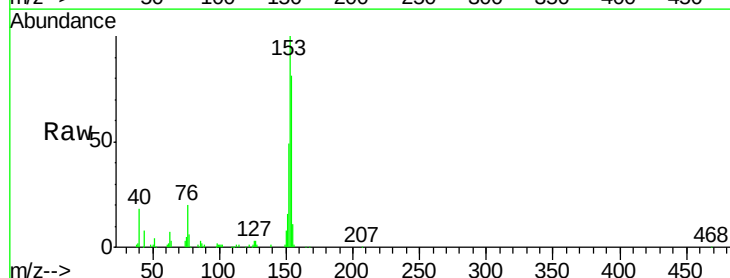
RT: 14.73 min Scan# 1981

Delta R.T. -0.00 min

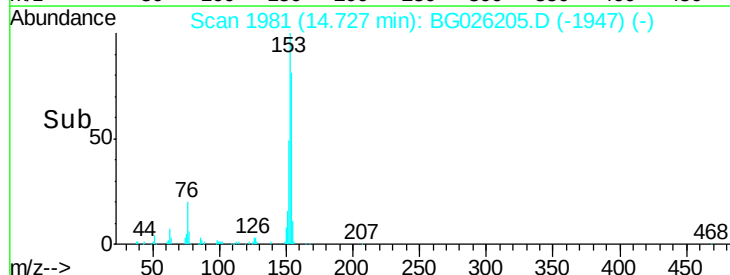
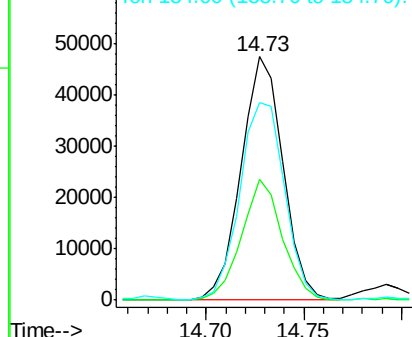
Lab File: BG026205.D

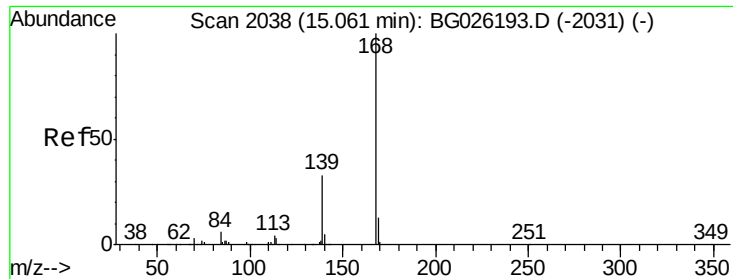
Acq: 11 Mar 2017 12:36

Tgt Ion:	153	Resp:	70604
Ion Ratio	Lower	Upper	
153	100		
152	49.4	38.3	57.5
154	81.1	71.8	107.8



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





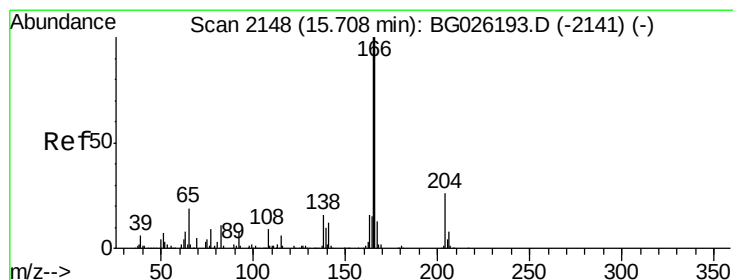
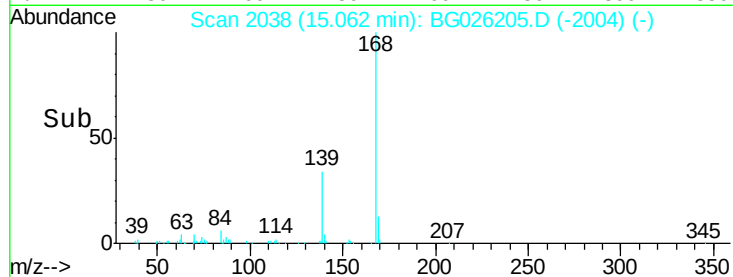
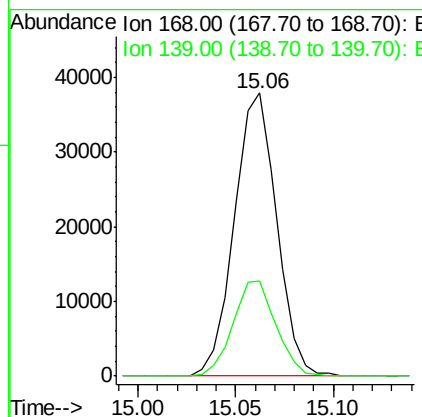
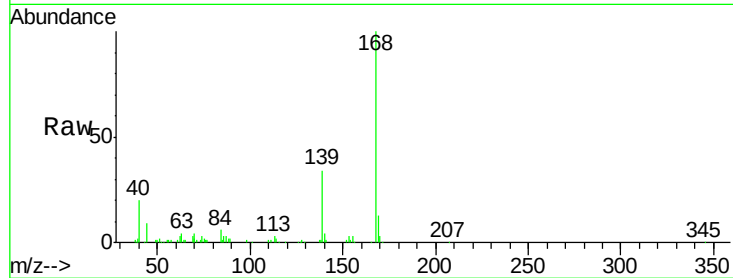
#53
Dibenzenofuran
Concen: 2.98 ng/ul
RT: 15.06 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Instrument :
BNA_G
ClientSampleId :
C0AJ8DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.8	32.2	48.2

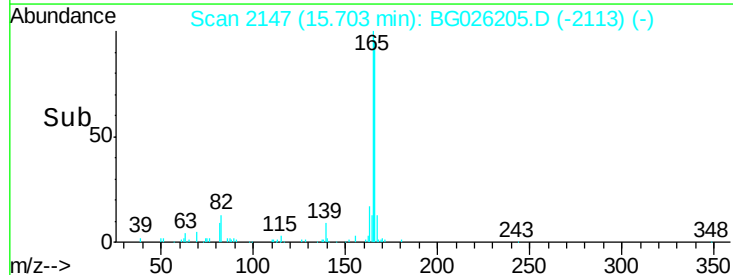
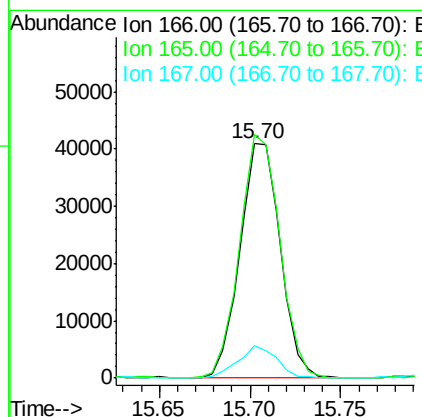
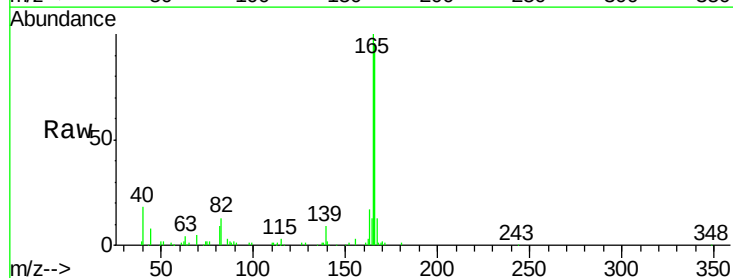
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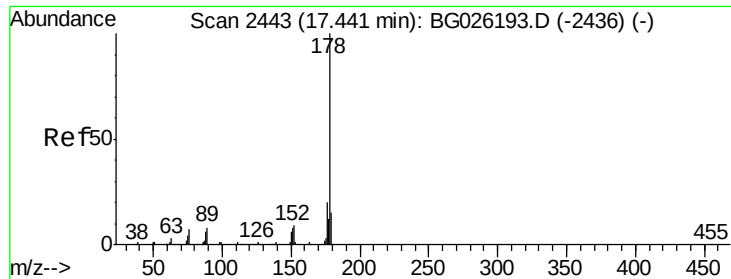
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#58
Fluorene
Concen: 3.99 ng/ul
RT: 15.70 min Scan# 2147
Delta R.T. -0.00 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.8	78.5	117.7
167	13.6	10.7	16.1





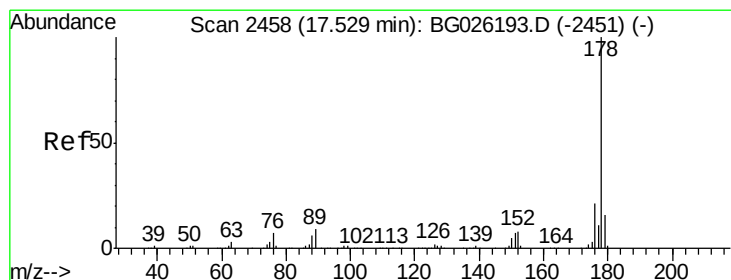
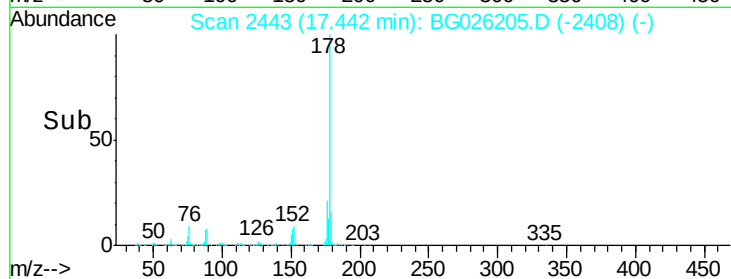
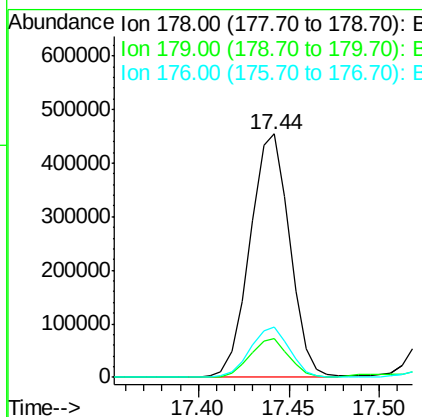
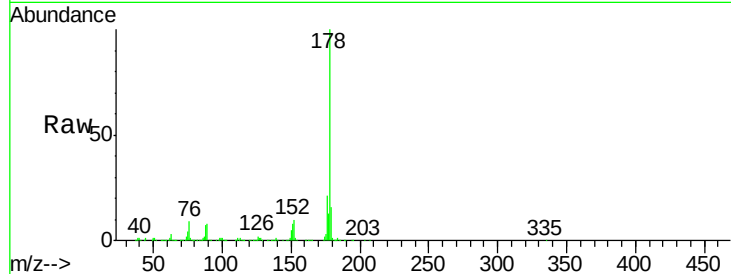
#69
 Phenanthrene
 Concen: 25.25 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG026205.D
 Acq: 11 Mar 2017 12:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.4
176	20.5	15.6	23.4

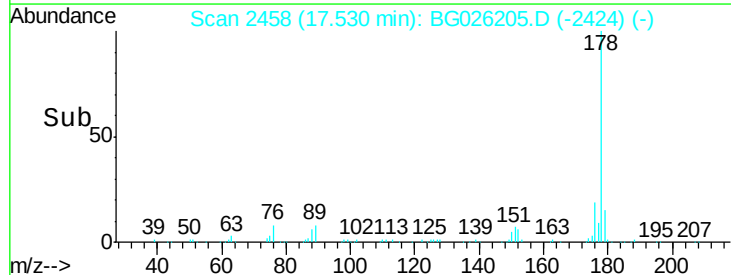
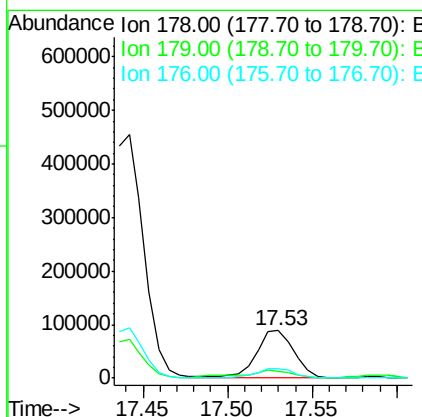
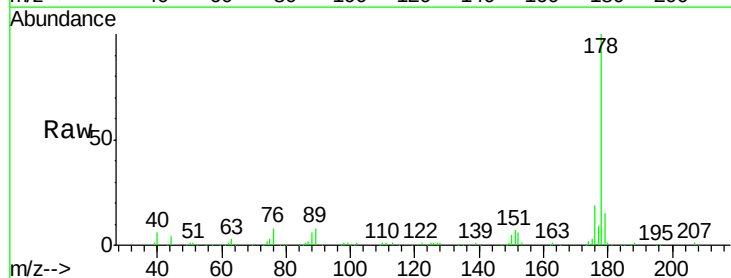
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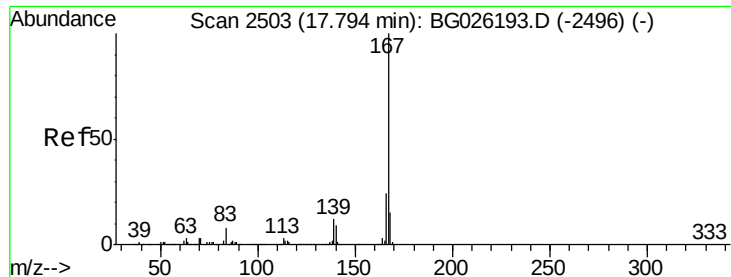
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#71
 Anthracene
 Concen: 4.97 ng/ul
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: BG026205.D
 Acq: 11 Mar 2017 12:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.1	18.1
176	18.7	14.8	22.2





#74

Carbazole

Concen: 3.01 ng/ul

RT: 17.79 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BG026205.D

Acq: 11 Mar 2017 12:36

Instrument :

BNA_G

ClientSampleId :

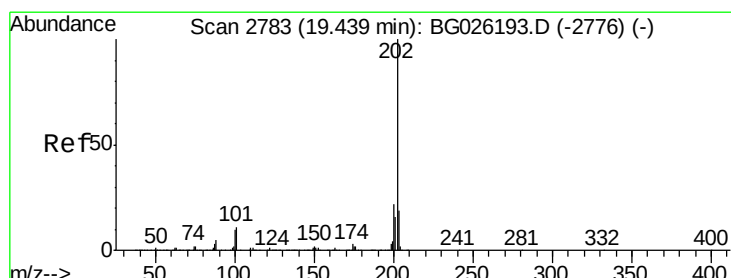
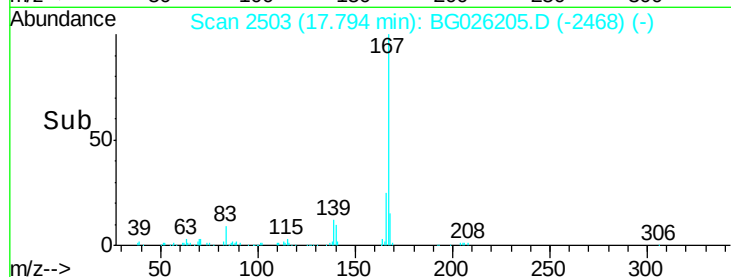
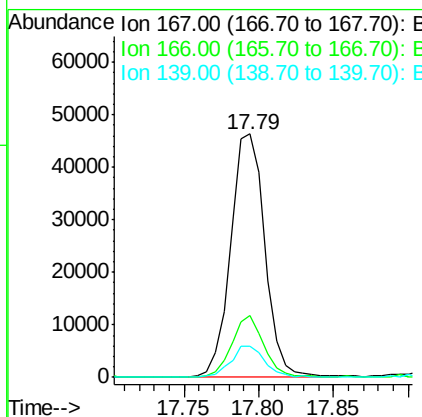
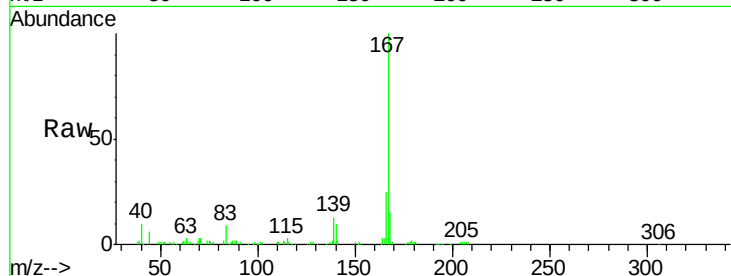
C0AJ8DL

Tgt Ion:	167	Resp:	74557
Ion Ratio		Lower	Upper
167	100		
166	25.2	17.0	25.6
139	12.6	11.0	16.4

Manual Integrations
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#76

Fluoranthene

Concen: 28.11 ng/ul

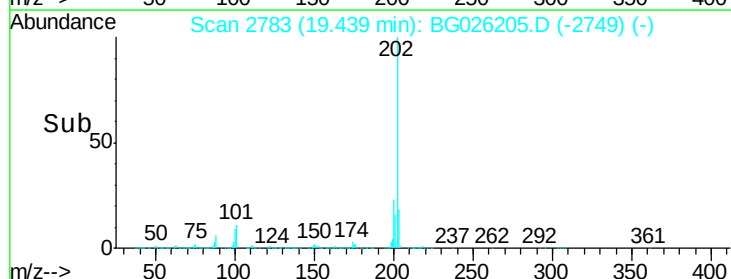
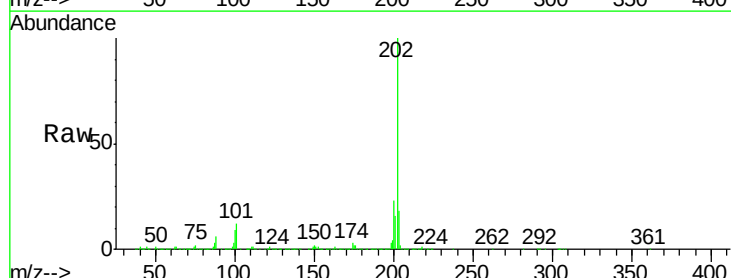
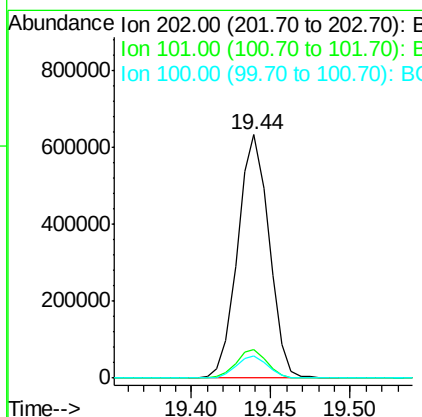
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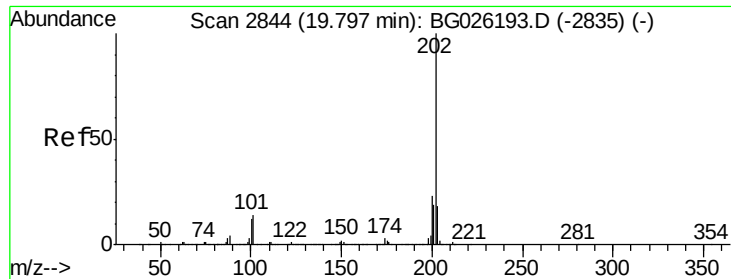
Delta R.T. -0.00 min

Lab File: BG026205.D

Acq: 11 Mar 2017 12:36

Tgt Ion:	202	Resp:	866269
Ion Ratio		Lower	Upper
202	100		
101	11.5	8.8	13.2
100	9.3	6.6	9.8





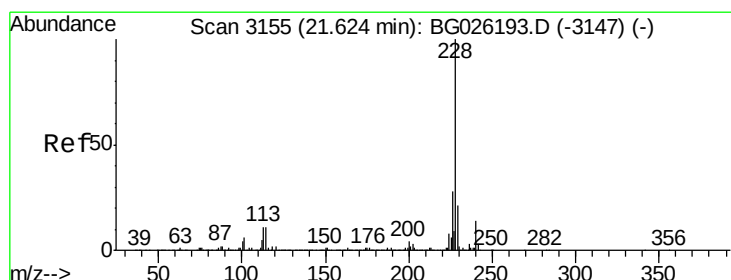
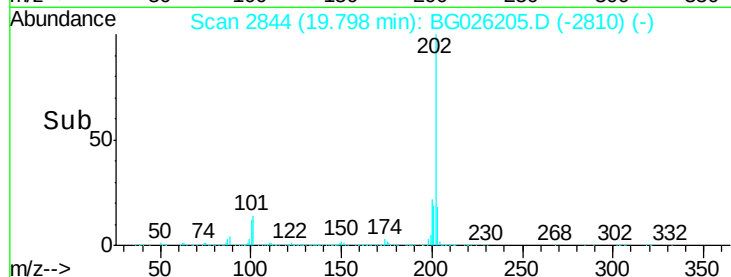
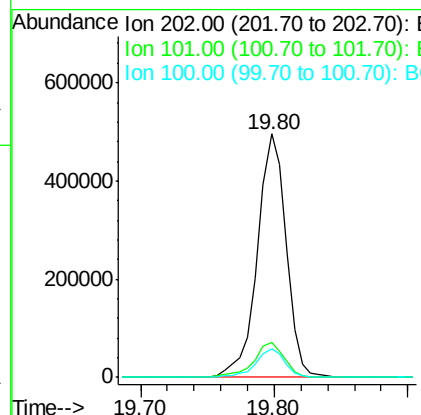
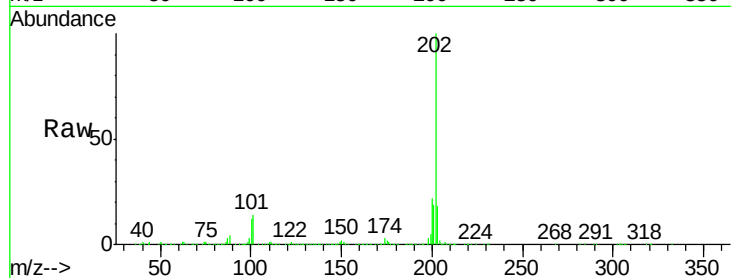
#79
 Pyrene
 Concen: 25.31 ng/ul
 RT: 19.80 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BG026205.D
 Acq: 11 Mar 2017 12:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.2	10.2	15.2
100	11.9	8.5	12.7

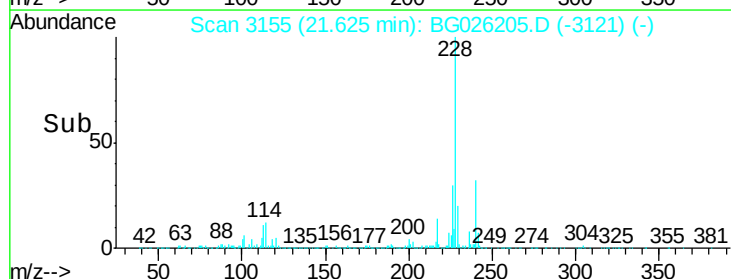
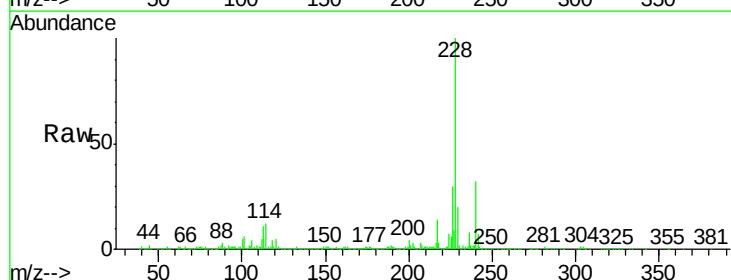
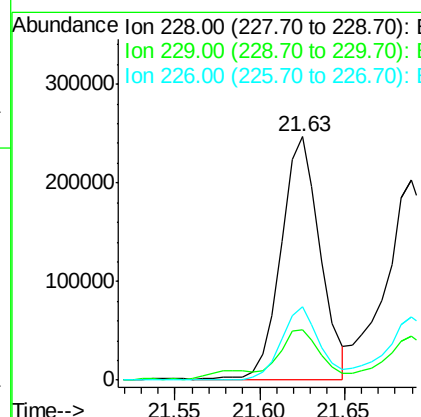
Manual Integrations
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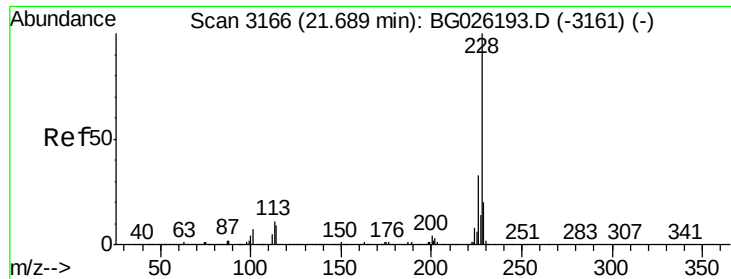
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#82
 Benzo(a)anthracene
 Concen: 12.67 ng/ul
 RT: 21.63 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BG026205.D
 Acq: 11 Mar 2017 12:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.5	15.7	23.5
226	29.9	21.8	32.6





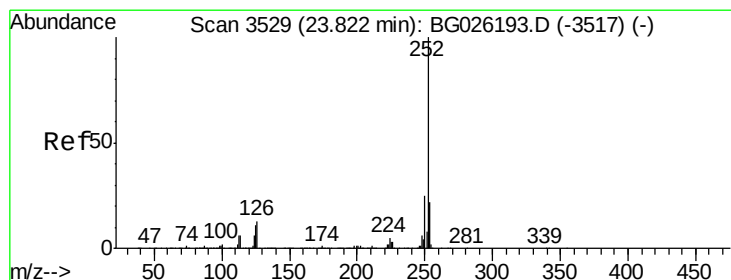
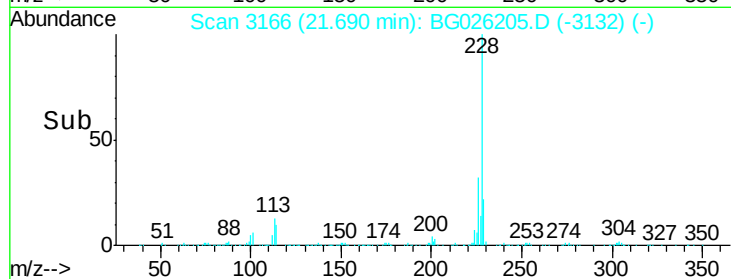
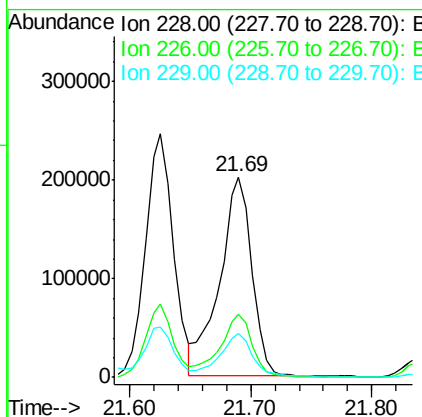
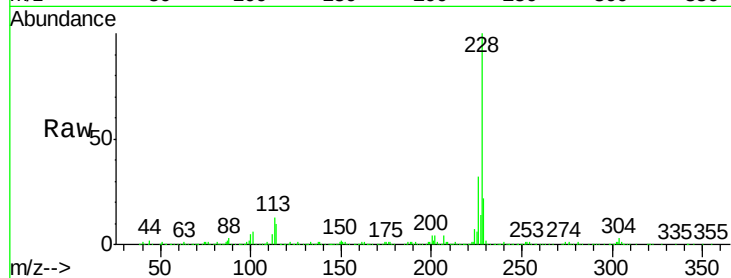
#84
Chrysene
Concen: 12.64 ng/ul
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Instrument :
BNA_G
ClientSampleId :
C0AJ8DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	22.0	15.6	23.4

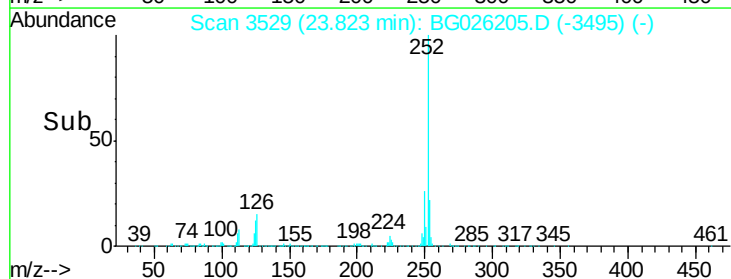
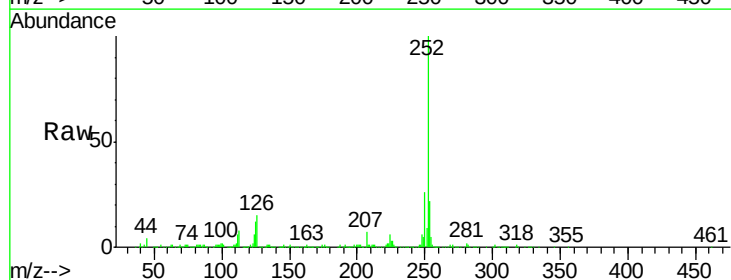
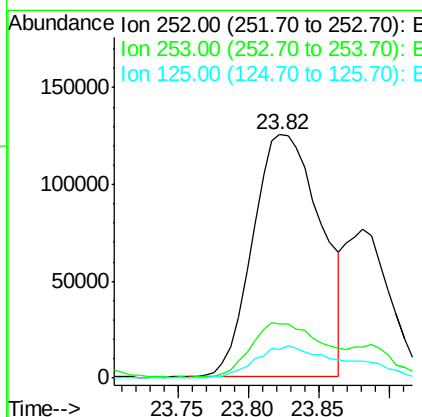
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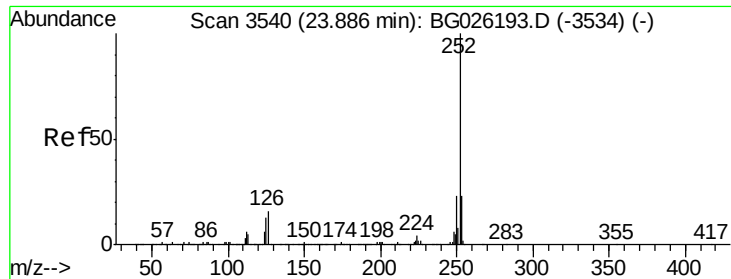
mohammad
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#87
Benzo(b)fluoranthene
Concen: 13.96 ng/ul
RT: 23.82 min Scan# 3529
Delta R.T. -0.00 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.9	8.5	12.7





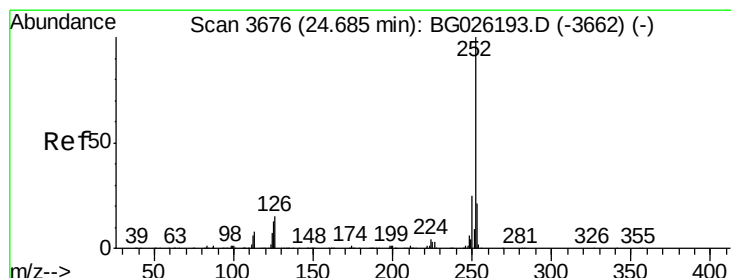
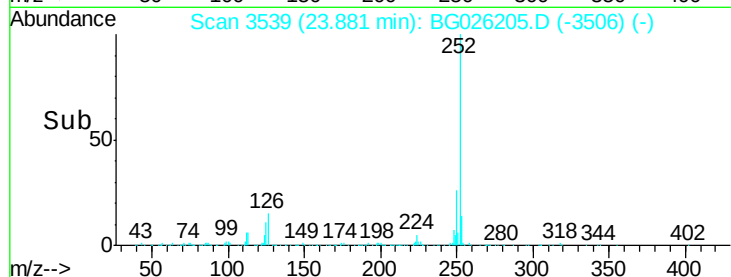
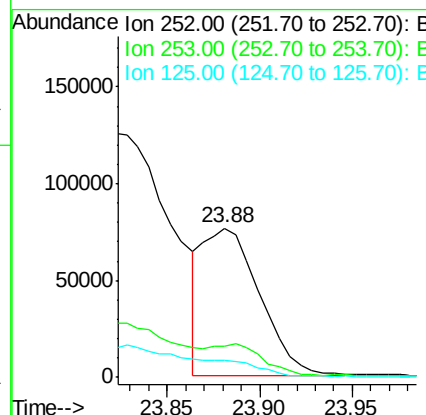
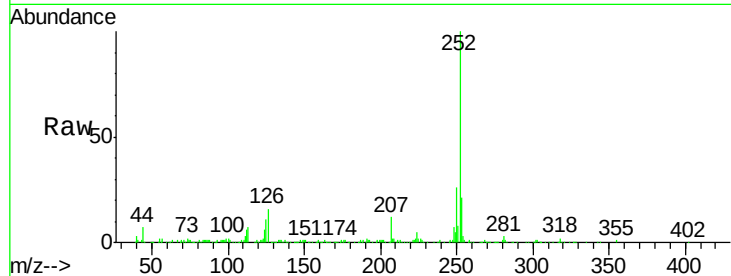
#88
Benzo(k)fluoranthene
Concen: 5.60 ng/ul m
RT: 23.88 min Scan# 3539
Delta R.T. -0.01 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Instrument :
BNA_G
ClientSampleId :
C0AJ8DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	164794		
253	20.7	17.3	25.9	
125	11.2	8.2	12.2	

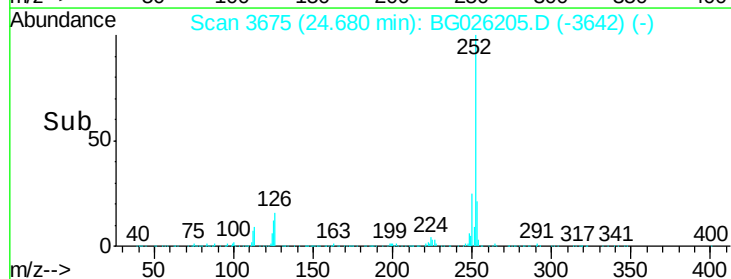
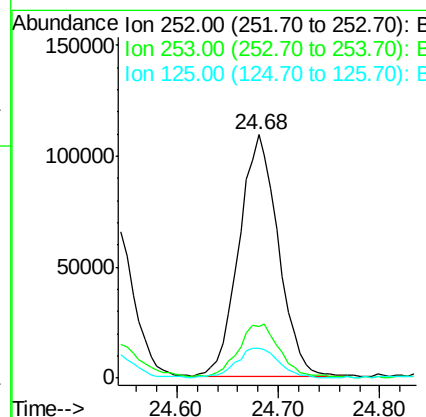
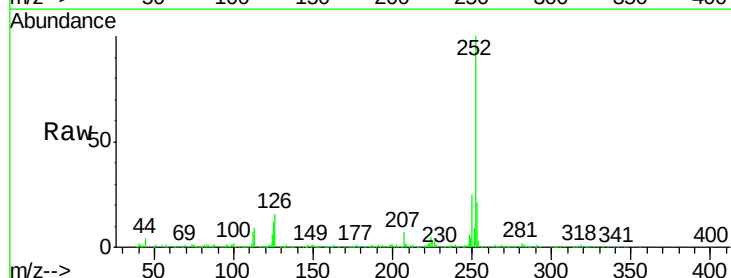
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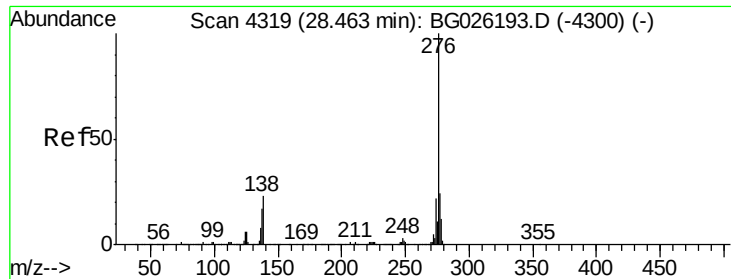
mohammad
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#90
Benzo(a)pyrene
Concen: 9.78 ng/ul
RT: 24.68 min Scan# 3675
Delta R.T. -0.01 min
Lab File: BG026205.D
Acq: 11 Mar 2017 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	290306		
253	21.5	17.2	25.8	
125	12.5	9.0	13.6	





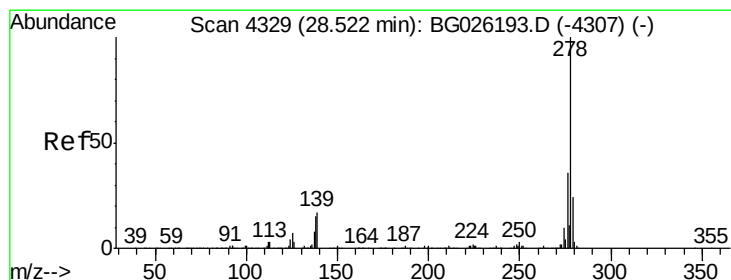
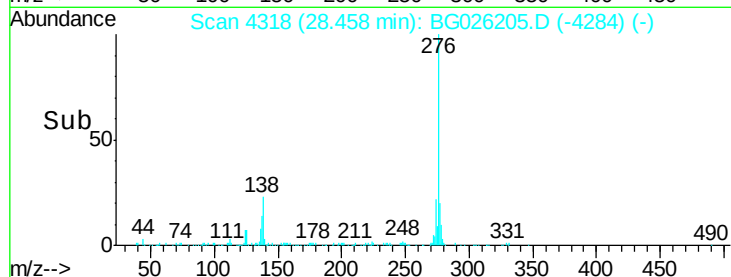
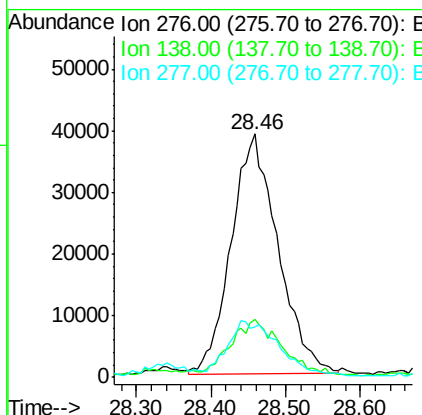
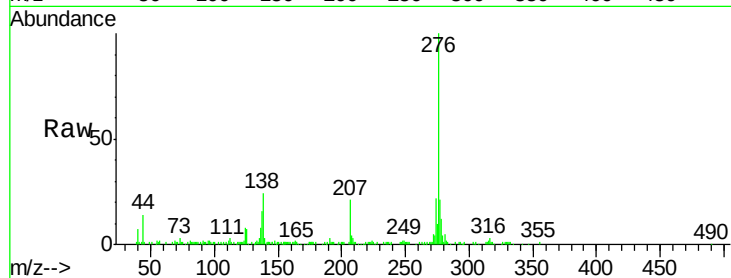
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.73 ng/ul
 RT: 28.46 min Scan# 4318
 Delta R.T. -0.00 min
 Lab File: BG026205.D
 Acq: 11 Mar 2017 12:36

Instrument :
 BNA_G
 ClientSampleID :
 C0AJ8DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	22.3	33.5
277	20.6	20.2	30.2

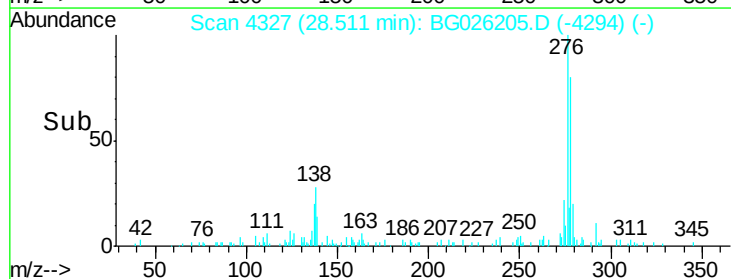
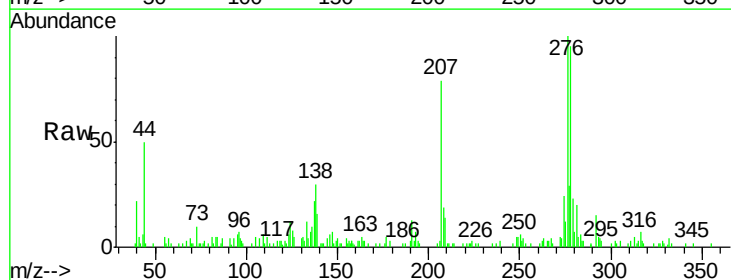
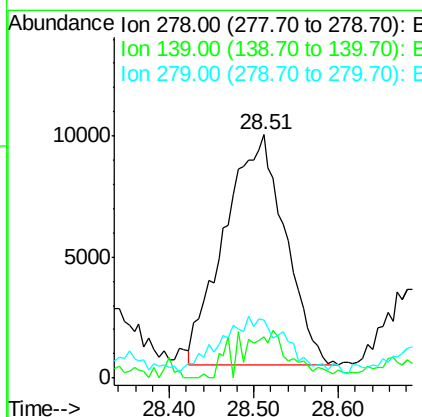
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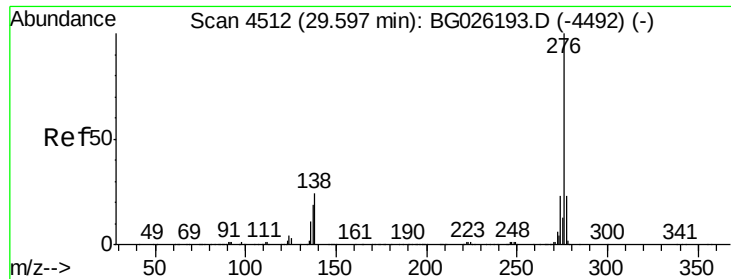
mohammad
 3/13/2017 3:34:53 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 1.59 ng/ul
 RT: 28.51 min Scan# 4327
 Delta R.T. -0.01 min
 Lab File: BG026205.D
 Acq: 11 Mar 2017 12:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	24.0	19.0	28.4





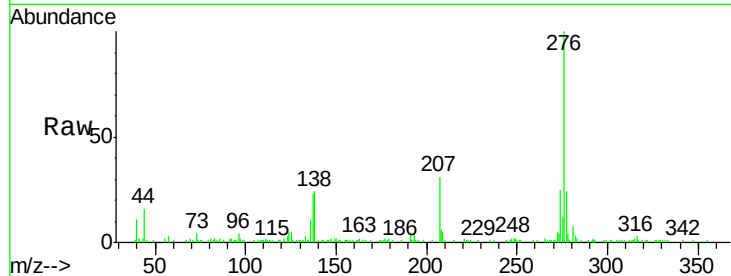
#93
 Benzo(g,h,i)perylene
 Concen: 4.66 ng/ul m
 RT: 29.59 min Scan# 4511
 Delta R.T. -0.01 min
 Lab File: BG026205.D
 Acq: 11 Mar 2017 12:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ8DL

Tgt	Ion	276	Resp:	138513
	Ratio	100	Lower	Upper
	276	100		
	138	24.4	18.9	28.3
	277	23.7	19.2	28.8

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

