

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050917\
 Data File : BG026932.D
 Acq On : 10 May 2017 4:11
 Operator : SJ/MA
 Sample : I2842-18 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDC38

Manual Integrations
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mohammad
 5/10/2017 11:50:48 AM

Quant Time: May 10 04:59:43 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 10 01:49:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	191615	20.00	ng/ul	0.00
18) Naphthalene-d8	10.80	136	902867	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.62	164	462356	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.35	188	839520	20.00	ng/ul	0.00
75) Chrysene-d12	21.61	240	720272	20.00	ng/ul	0.02
83) Perylene-d12	24.78	264	785583m	20.00	ng/ul	0.02

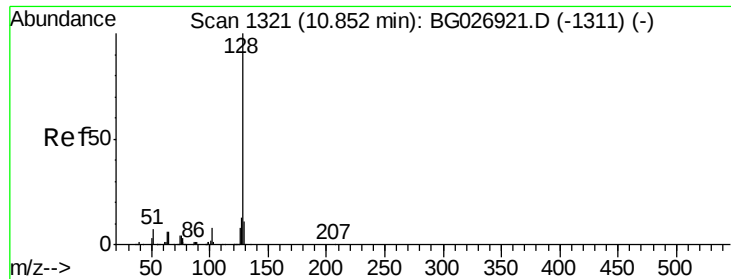
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	3354	0.79	ng/uL	0.00
5) Phenol-d5	7.19	99	94109	5.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	54157	5.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	76511	5.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.72	113	75910	5.35	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	40140	5.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	40897	4.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.44	165	65307	5.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.95	131	24043	1.38	ng/ul	0.00
43) Dimethylphthalate-d6	14.02	166	216432	5.82	ng/ul	0.00
46) Acenaphthylene-d8	14.31	160	287672	6.15	ng/ul	0.00
51) 4-Nitrophenol-d4	14.86	143	22009	3.28	ng/ul	0.03
57) Fluorene-d10	15.60	176	182251	5.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.74	200	5124	1.01	ng/ul	0.00
70) Anthracene-d10	17.45	188	263433	6.47	ng/ul	0.00
76) Pyrene-d10	19.74	212	240780	6.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.57	264	235455m	6.34	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.86	128	135588	2.88	ng/ul	97
34) 2-Methylnaphthalene	12.45	142	46755	1.34	ng/ul	98
44) Dimethylphthalate	14.06	163	91566	2.51	ng/ul	96
47) Acenaphthylene	14.35	152	137089	2.88	ng/ul	98
49) Acenaphthene	14.68	153	412045	12.44	ng/ul	97
53) Dibenzofuran	15.02	168	276509	6.27	ng/ul	95
58) Fluorene	15.66	166	549126	15.26	ng/ul	98
69) Phenanthrene	17.41	178	5281410m	111.67	ng/ul	
71) Anthracene	17.49	178	1745080	35.97	ng/ul	98
72) Carbazole	17.76	167	794121	19.36	ng/ul	98
74) Fluoranthene	19.42	202	7435137	169.34	ng/ul#	27
77) Pyrene	19.78	202	6950461	143.83	ng/ul#	25
80) Benzo(a)anthracene	21.60	228	4951290	117.54	ng/ul#	80
82) Chrysene	21.67	228	4972763	127.07	ng/ul#	80
85) Benzo(b)fluoranthene	23.80	252	6874691m	153.15	ng/ul	
86) Benzo(k)fluoranthene	23.85	252	2583012m	58.56	ng/ul	
88) Benzo(a)pyrene	24.65	252	5131628m	116.15	ng/ul	
89) Indeno(1,2,3-cd)pyrene	28.42	276	3075680m	58.73	ng/ul	
90) Dibenzo(a,h)anthracene	28.45	278	834801m	18.80	ng/ul	
91) Benzo(g,h,i)perylene	29.54	276	2615551m	60.22	ng/ul	

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



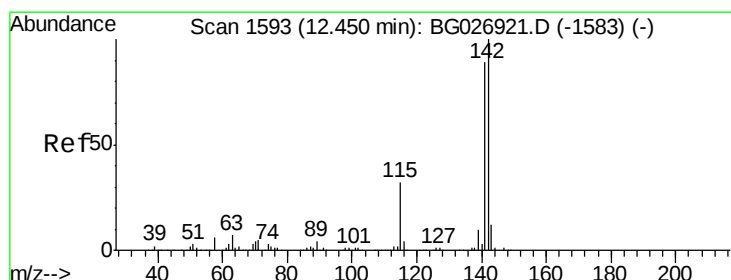
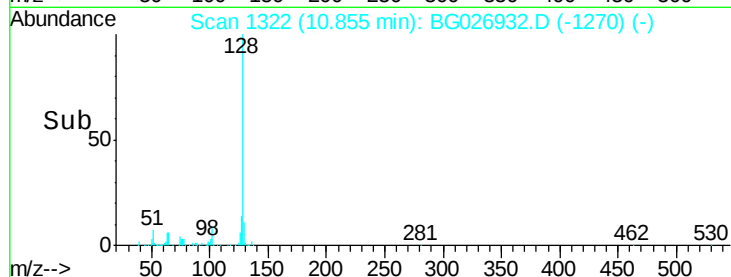
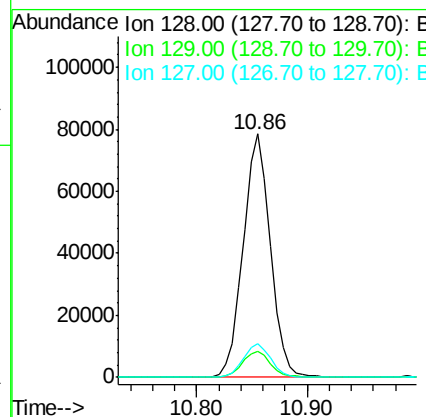
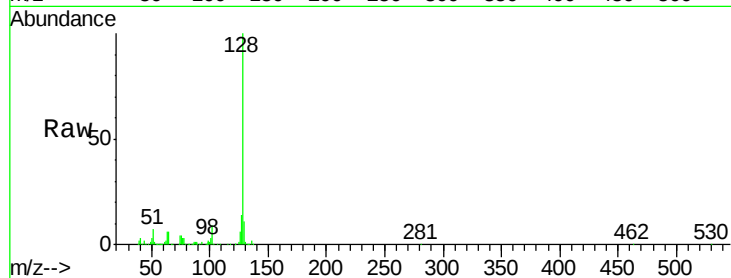
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Naphthalene
Concen: 2.88 ng/ul
RT: 10.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Instrument :
BNA_G
ClientSampled :
BDC38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.2
127	14.0	10.3	15.5

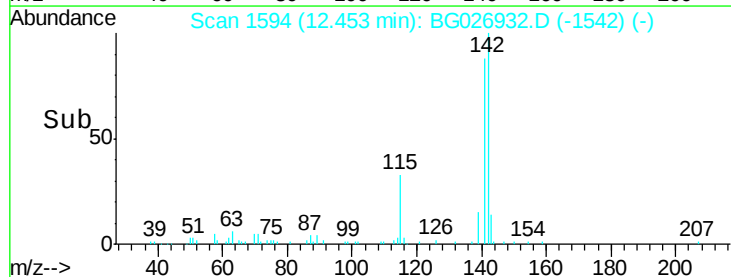
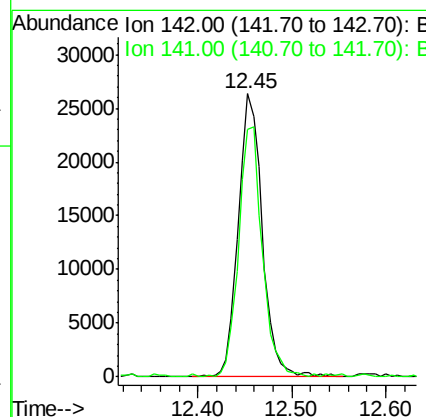
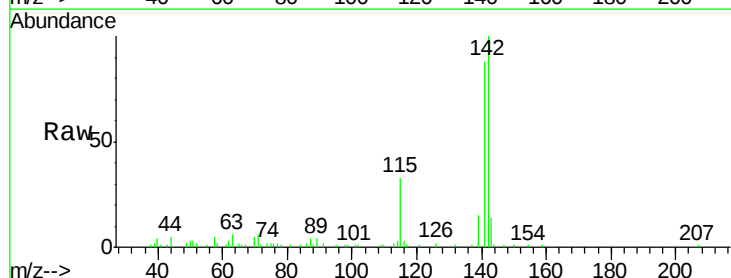
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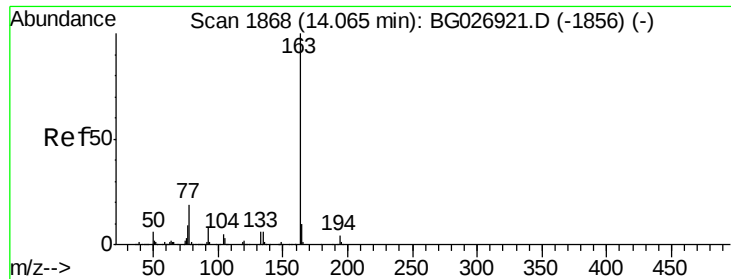
mohammad
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#34
2-Methylnaphthalene
Concen: 1.34 ng/ul
RT: 12.45 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	68.6	102.8





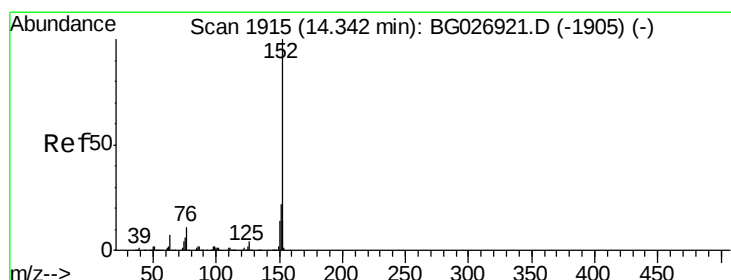
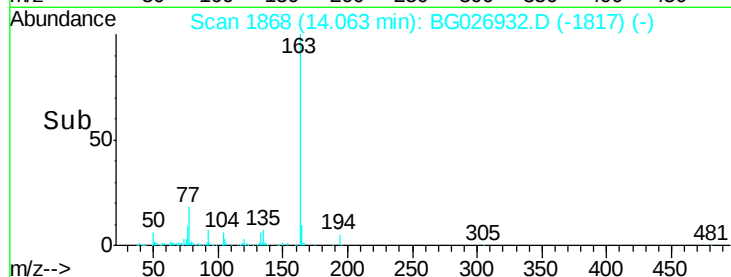
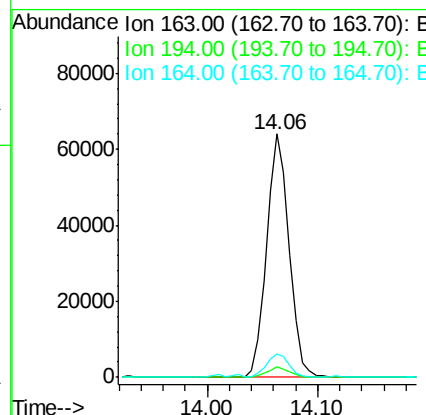
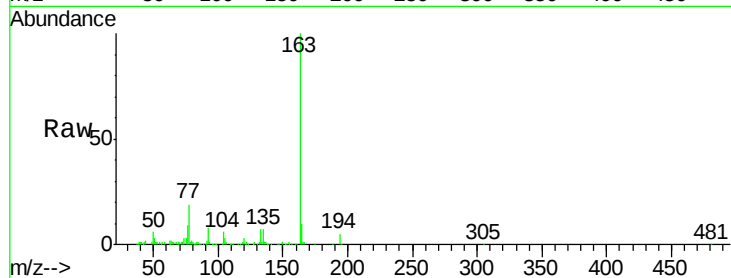
#44
Dimethylphthalate
Concen: 2.51 ng/ul
RT: 14.06 min Scan# 1868
Delta R.T. -0.00 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Instrument :
BNA_G
ClientSampleId :
BDC38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	91566		
194	4.5		3.4	5.0
164	9.5		9.0	13.4

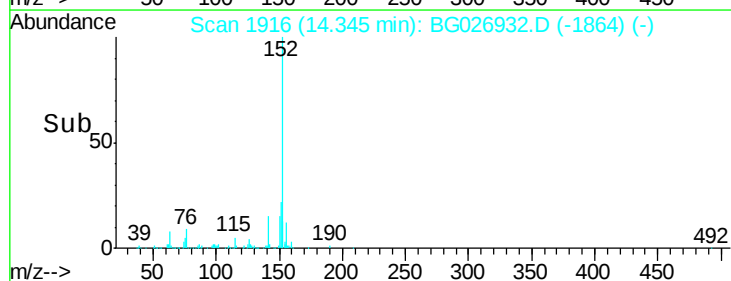
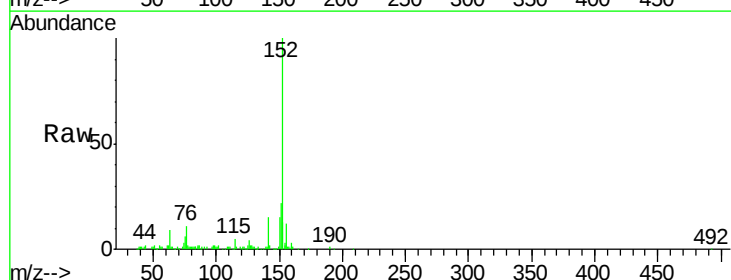
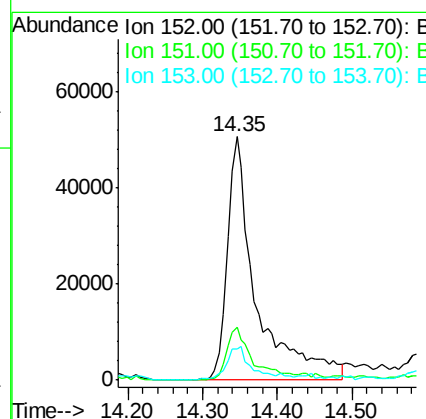
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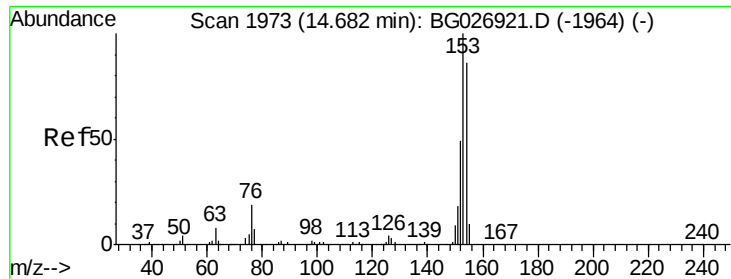
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#47
Acenaphthylene
Concen: 2.88 ng/ul
RT: 14.35 min Scan# 1916
Delta R.T. 0.00 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	137089		
151	21.6		16.7	25.1
153	12.8		11.4	17.2





#49

Acenaphthene

Concen: 12.44 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

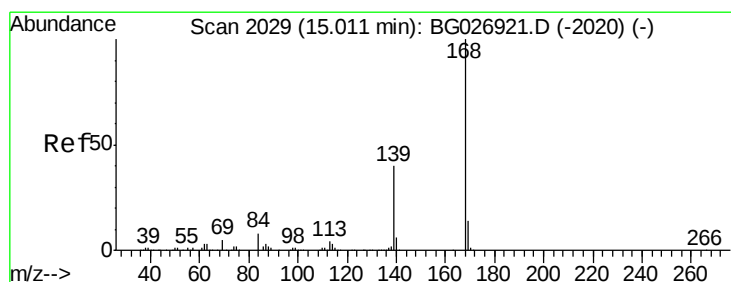
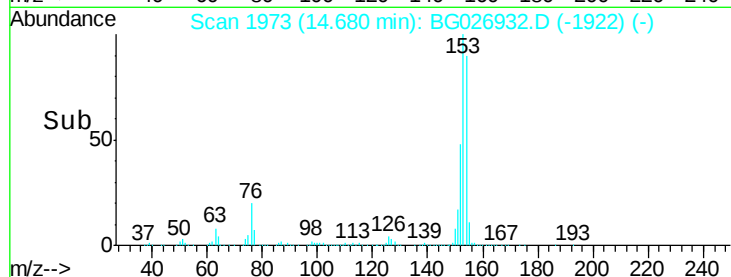
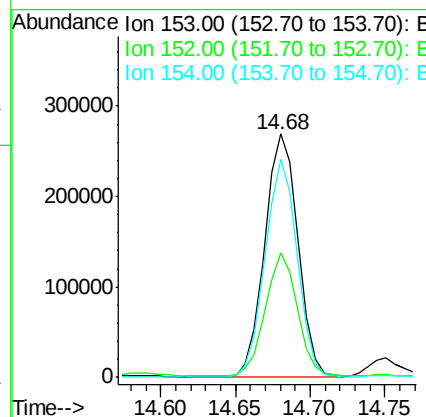
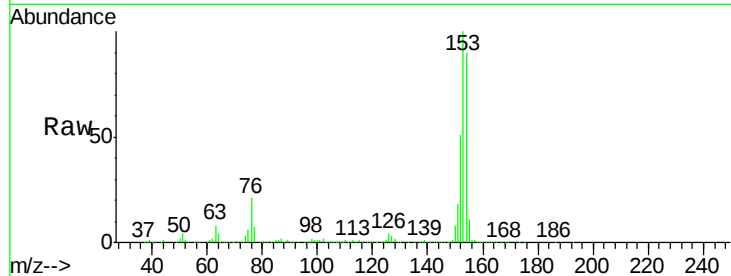
ClientSampleId :

BDC38

Tgt Ion:	153	Resp:	412045
Ion Ratio	Lower	Upper	
153	100		
152	51.2	36.5	54.7
154	89.8	72.3	108.5

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#53

Dibenzofuran

Concen: 6.27 ng/ul

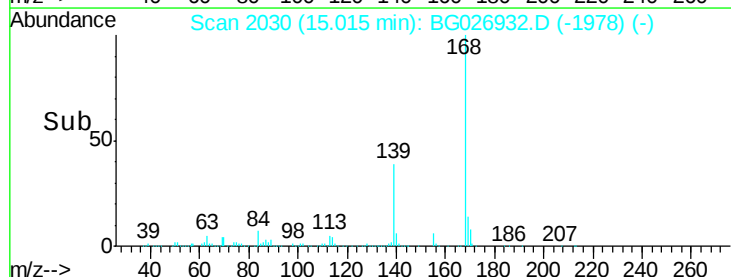
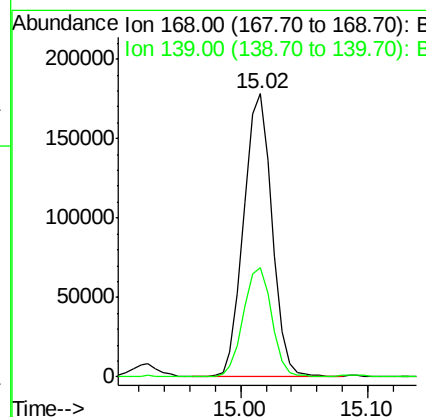
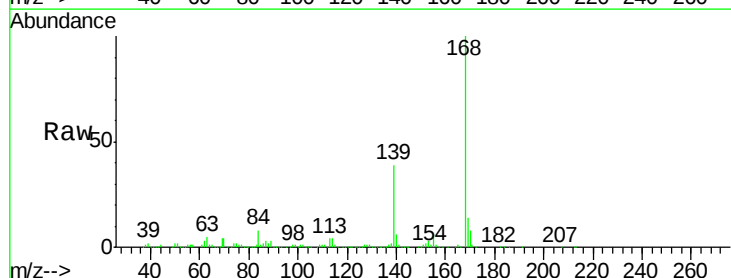
RT: 15.02 min Scan# 2030

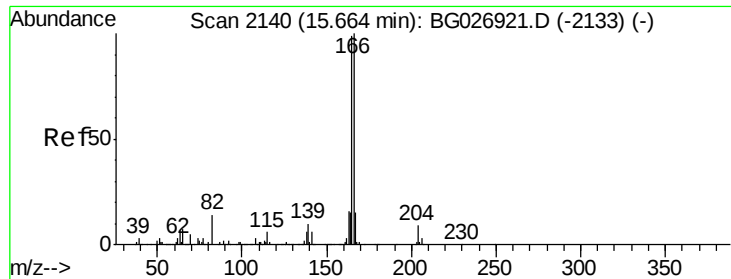
Delta R.T. 0.00 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Tgt Ion:	168	Resp:	276509
Ion Ratio	Lower	Upper	
168	100		
139	38.8	33.8	50.8





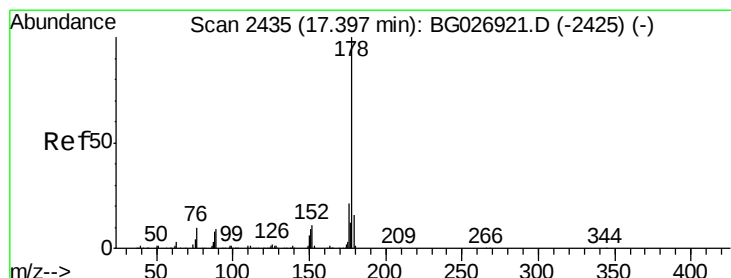
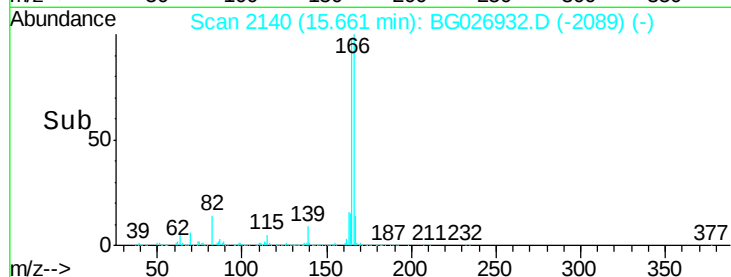
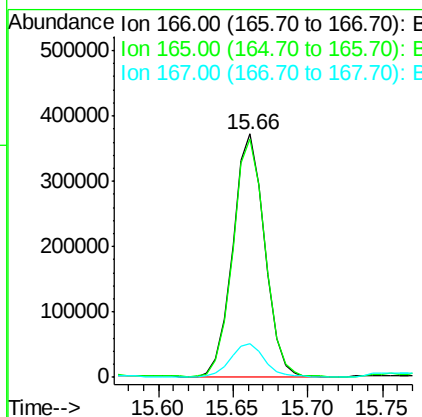
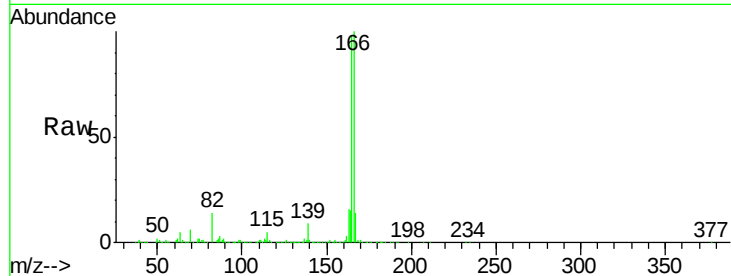
#58
Fluorene
 Concen: 15.26 ng/ul
 RT: 15.66 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: BG026932.D
 Acq: 10 May 2017 4:11

Instrument :
 BNA_G
 ClientSampleId :
 BDC38

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	549126		
165	98.0		79.7	119.5
167	14.0		11.4	17.2

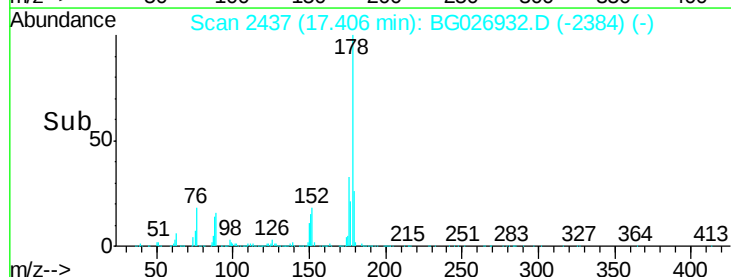
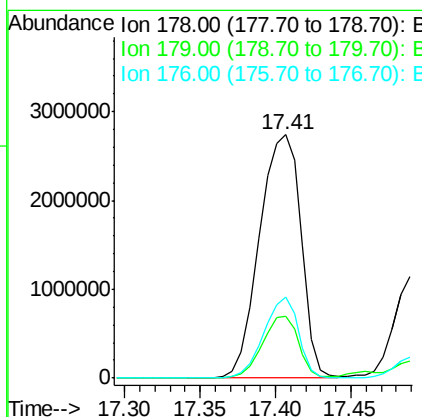
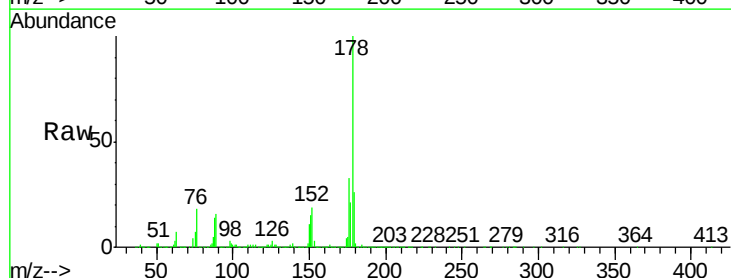
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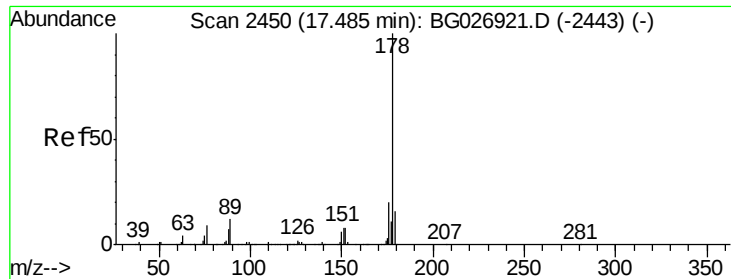
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#69
Phenanthrene
 Concen: 111.67 ng/ul m
 RT: 17.41 min Scan# 2437
 Delta R.T. 0.01 min
 Lab File: BG026932.D
 Acq: 10 May 2017 4:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5281410		
179	25.6		12.4	18.6#
176	33.1		16.5	24.7#





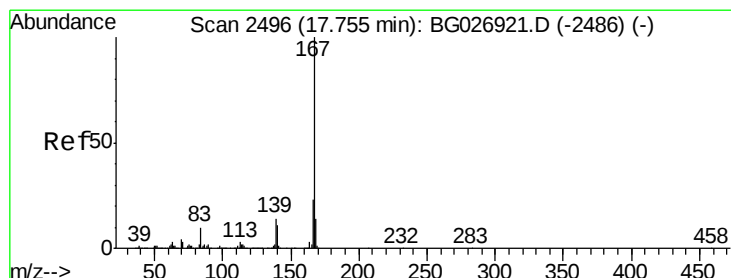
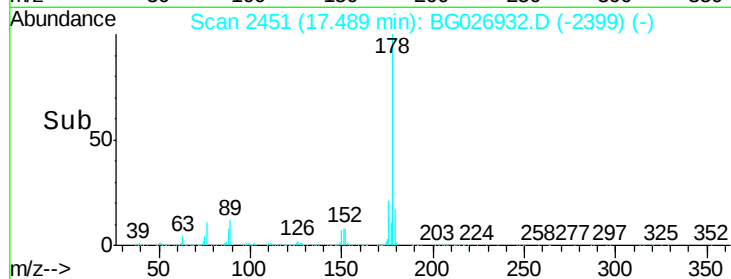
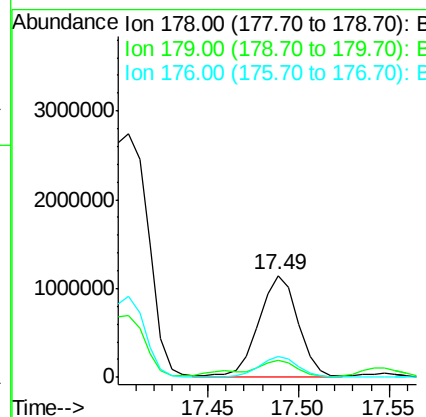
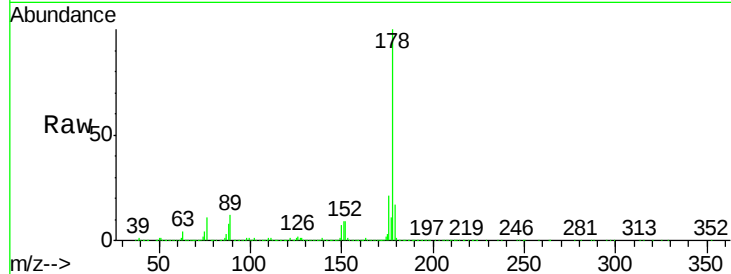
#71
 Anthracene
 Concen: 35.97 ng/ul
 RT: 17.49 min Scan# 2451
 Delta R.T. 0.00 min
 Lab File: BG026932.D
 Acq: 10 May 2017 4:11

Instrument :
 BNA_G
 ClientSampleId :
 BDC38

Tgt Ion:178 Resp: 1745080
 Ion Ratio Lower Upper
 178 100
 179 17.1 12.6 19.0
 176 20.6 15.9 23.9

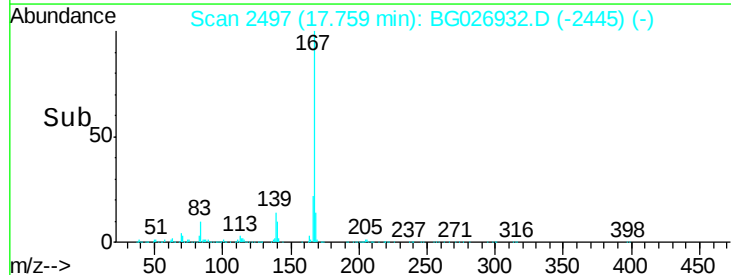
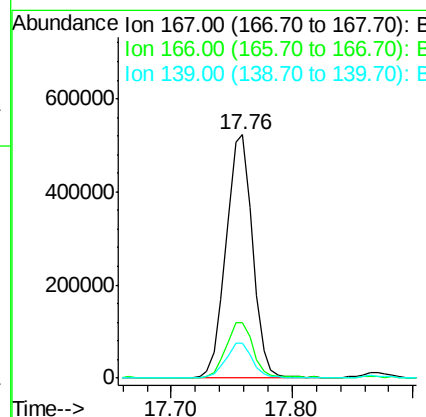
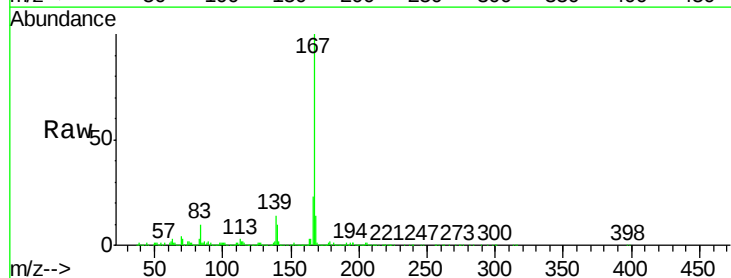
Manual Integrations
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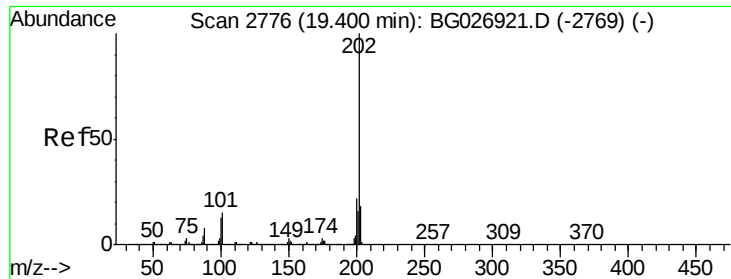
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#72
 Carbazole
 Concen: 19.36 ng/ul
 RT: 17.76 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: BG026932.D
 Acq: 10 May 2017 4:11

Tgt Ion:167 Resp: 794121
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.9 26.9
 139 14.2 10.5 15.7





#74

Fluoranthene

Concen: 169.34 ng/ul

RT: 19.42 min Scan# 2780

Delta R.T. 0.02 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

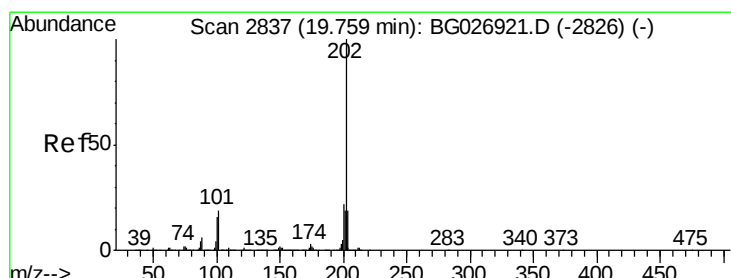
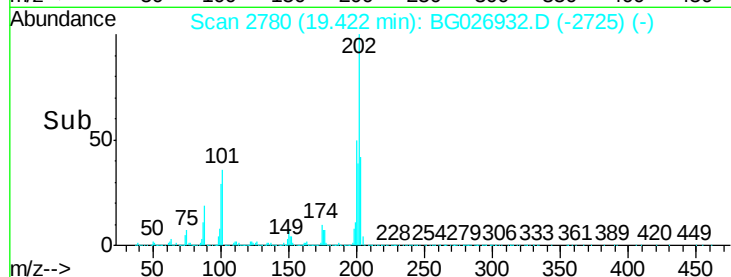
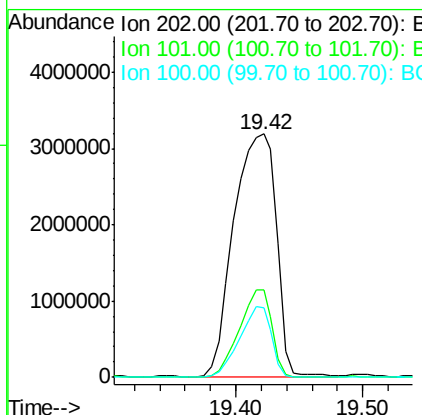
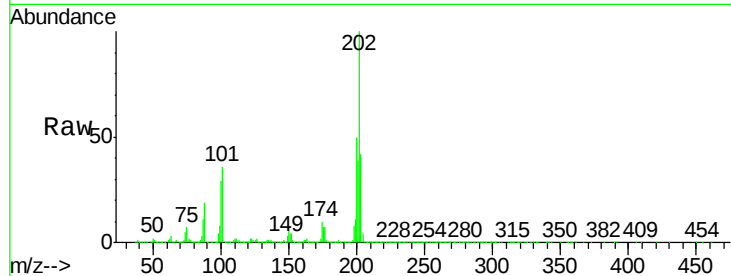
ClientSampleId :

BDC38

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	35.8	6.2	9.2#	
100	28.7	5.2	7.8#	

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#77

Pyrene

Concen: 143.83 ng/ul

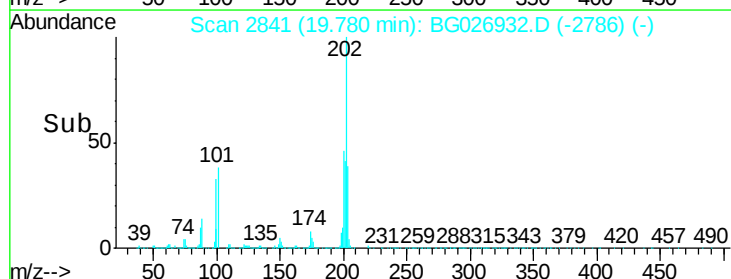
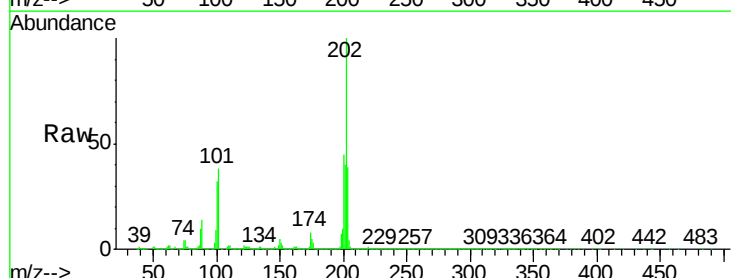
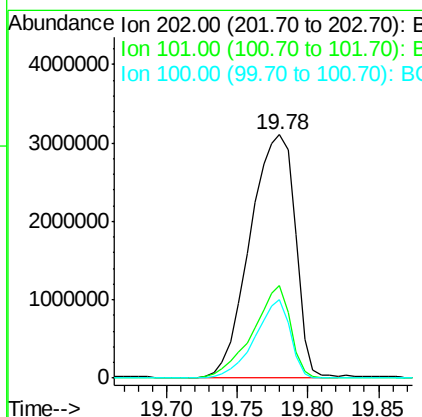
RT: 19.78 min Scan# 2841

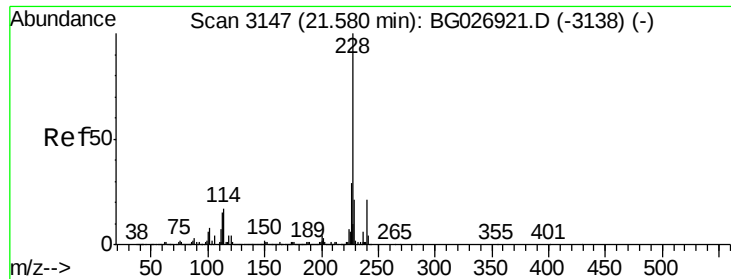
Delta R.T. 0.02 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	38.1	6.9	10.3#	
100	32.3	6.6	10.0#	





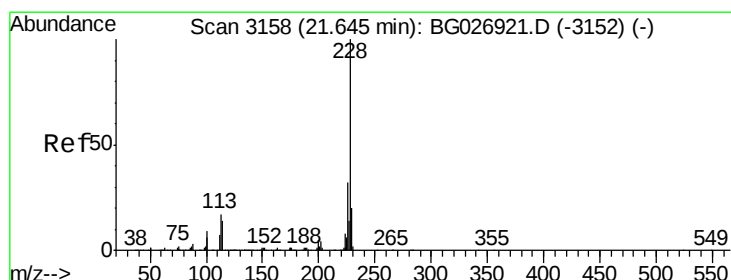
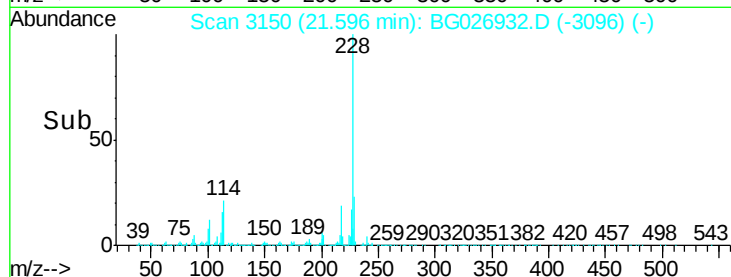
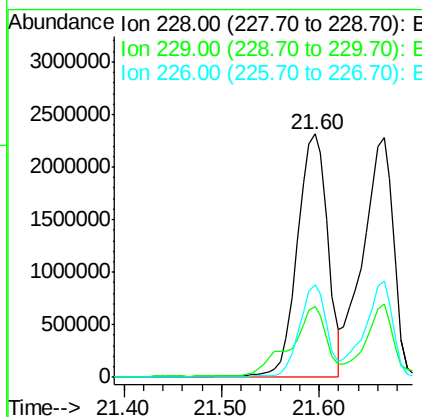
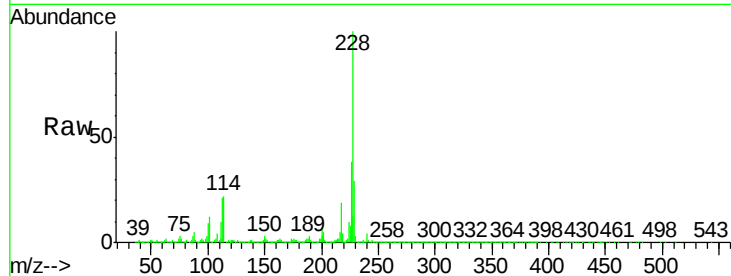
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Benzo(a)anthracene
Concen: 117.54 ng/ul
RT: 21.60 min Scan# 3150
Delta R.T. 0.02 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Instrument :
BNA_G
ClientSampleId :
BDC38

Tgt Ion:228 Resp: 4951290
Ion Ratio Lower Upper
228 100
229 29.0 16.3 24.5#
226 38.3 21.9 32.9#

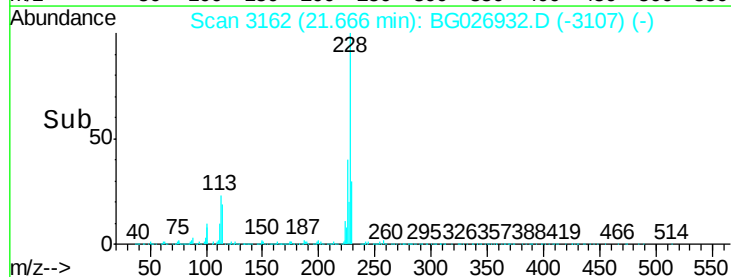
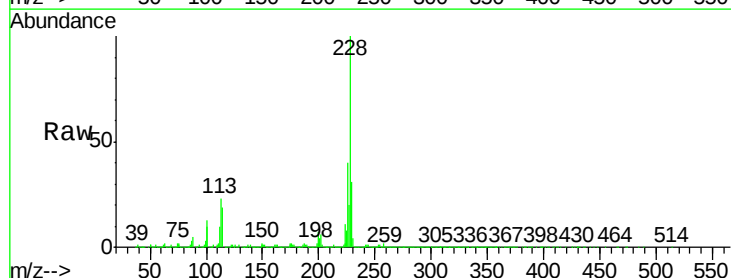
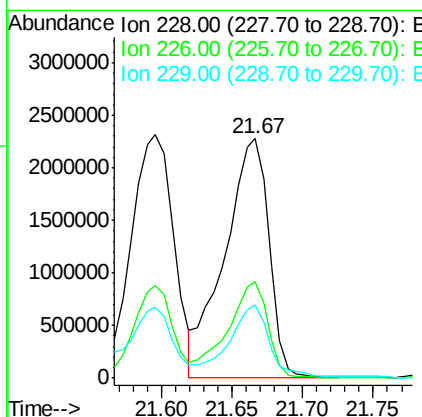
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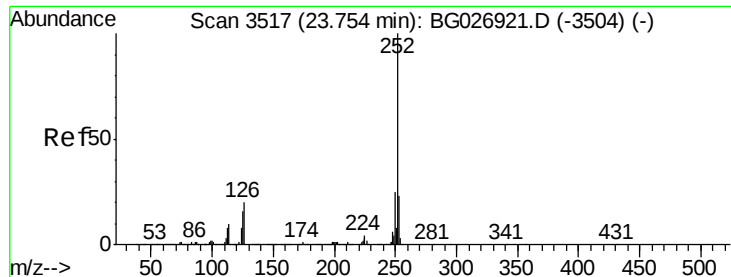
mohammad
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#82
Chrysene
Concen: 127.07 ng/ul
RT: 21.67 min Scan# 3162
Delta R.T. 0.02 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Tgt Ion:228 Resp: 4972763
Ion Ratio Lower Upper
228 100
226 40.4 24.0 36.0#
229 30.6 16.9 25.3#





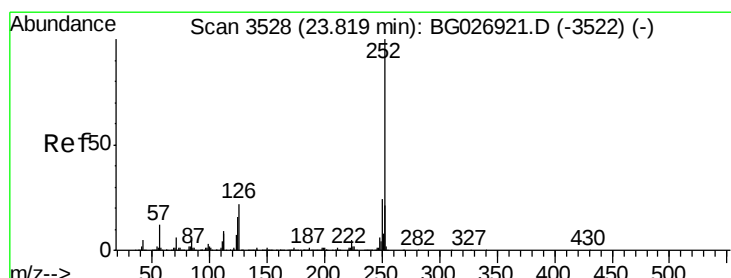
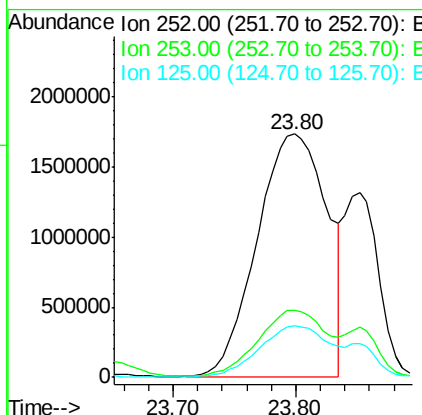
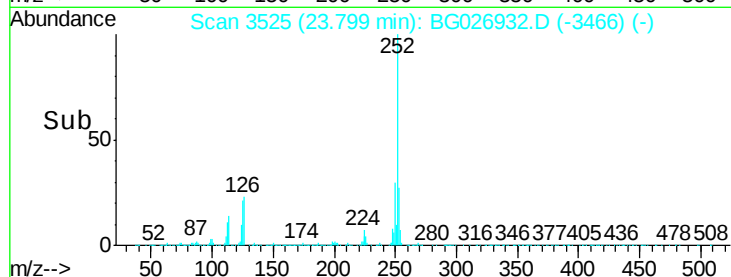
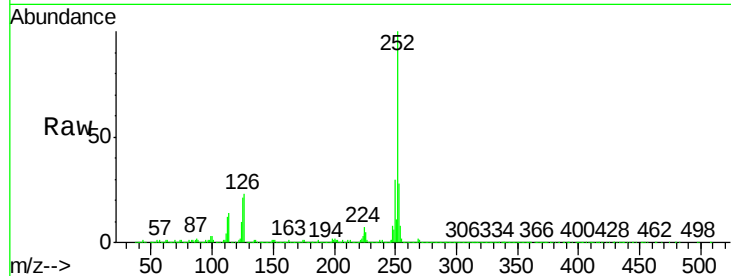
#85
Benzo(b)fluoranthene
Concen: 153.15 ng/ul m
RT: 23.80 min Scan# 3525
Delta R.T. 0.04 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Instrument :
BNA_G
ClientSampleId :
BDC38

Tgt Ion:252 Resp: 6874691
Ion Ratio Lower Upper
252 100
253 27.7 17.7 26.5#
125 21.0 4.0 6.0#

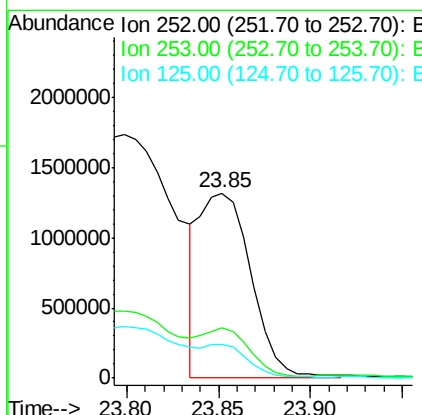
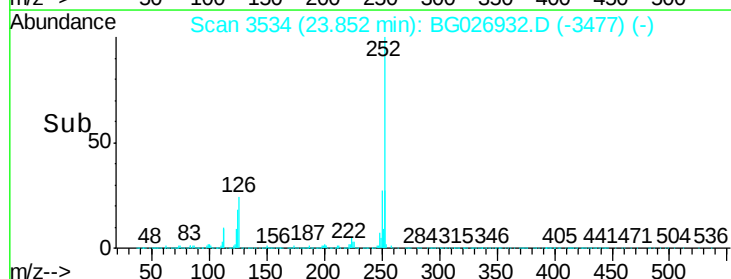
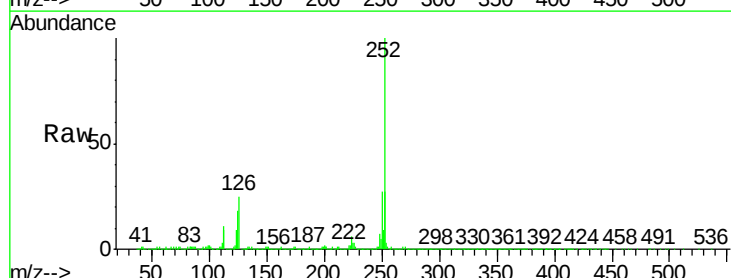
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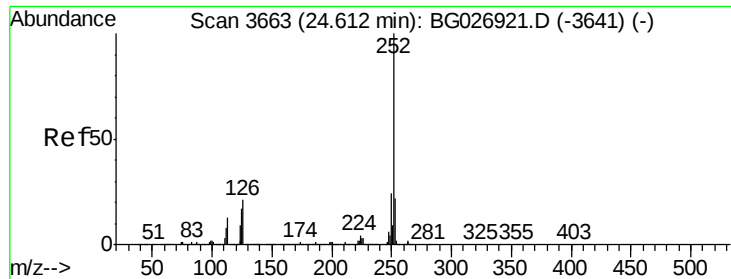
mohammad
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#86
Benzo(k)fluoranthene
Concen: 58.56 ng/ul m
RT: 23.85 min Scan# 3534
Delta R.T. 0.03 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Tgt Ion:252 Resp: 2583012
Ion Ratio Lower Upper
252 100
253 27.0 18.5 27.7
125 18.0 4.1 6.1#





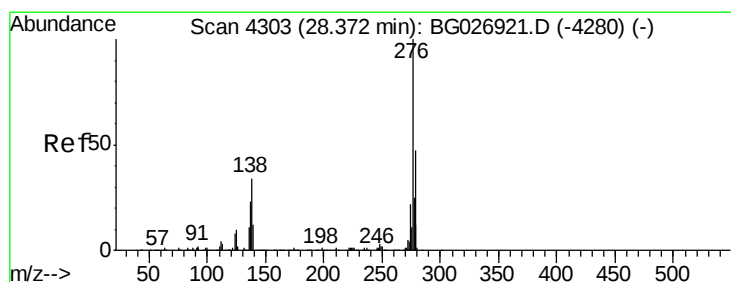
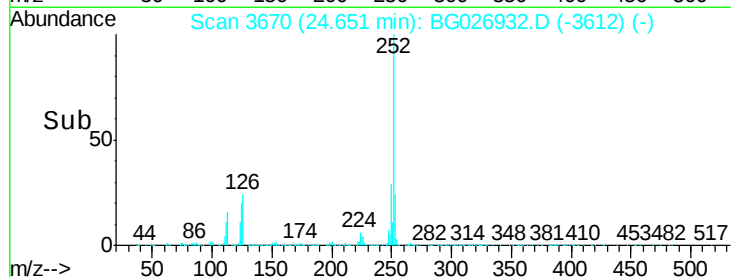
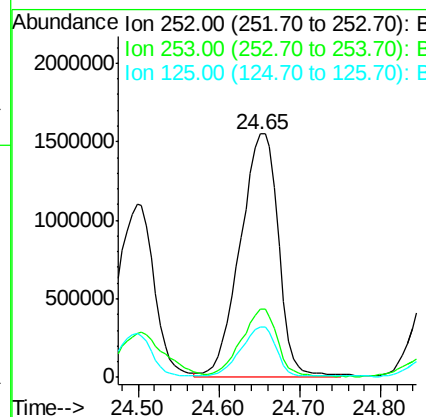
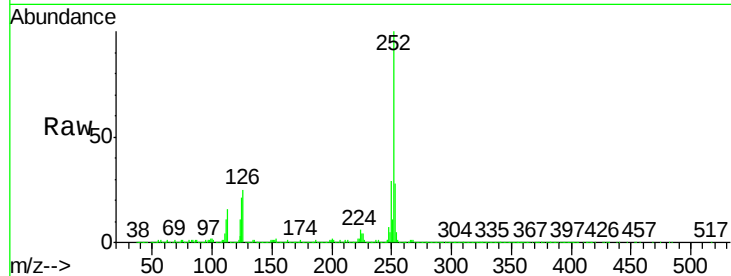
#88
Benzo(a)pyrene
Concen: 116.15 ng/ul m
RT: 24.65 min Scan# 3670
Delta R.T. 0.04 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Instrument :
BNA_G
ClientSampleId :
BDC38

Tgt Ion:252 Resp: 5131628
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.6#
125 20.8 5.4 8.0#

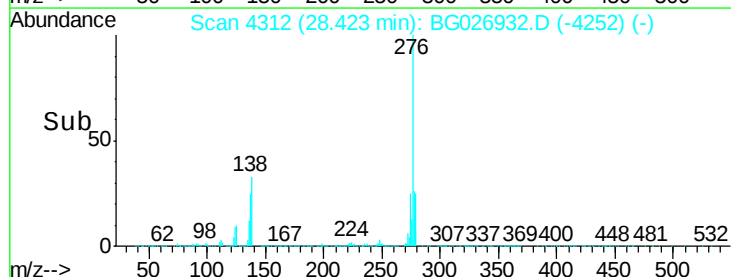
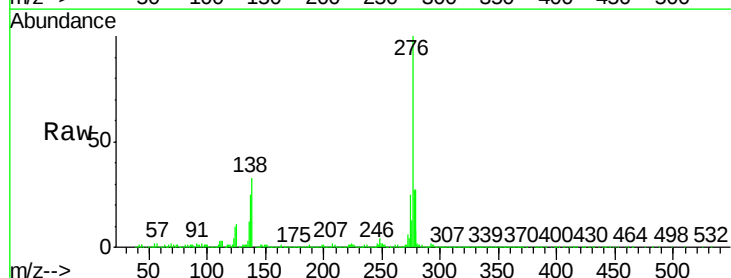
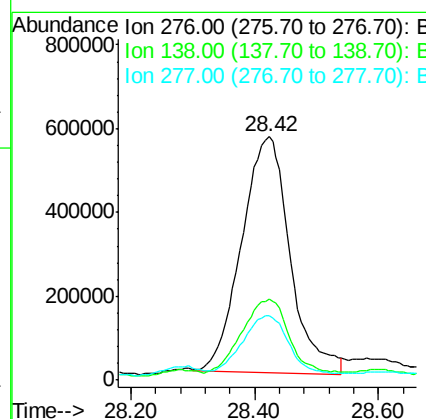
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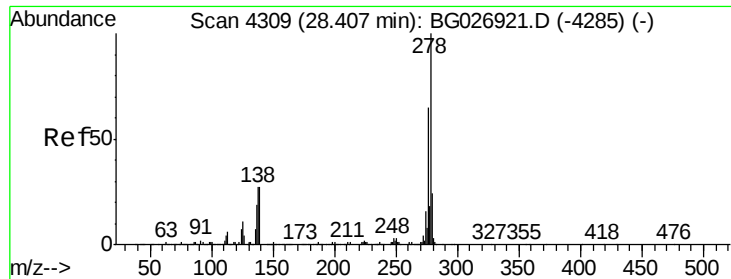
mohammad
5/10/2017 11:50:48 AM



#89
Indeno(1,2,3-cd)pyrene
Concen: 58.73 ng/ul m
RT: 28.42 min Scan# 4312
Delta R.T. 0.05 min
Lab File: BG026932.D
Acq: 10 May 2017 4:11

Tgt Ion:276 Resp: 3075680
Ion Ratio Lower Upper
276 100
138 33.5 8.2 12.4#
277 26.7 18.6 28.0





#90

Dibenzo(a,h)anthracene

Concen: 18.80 ng/ul m

RT: 28.45 min Scan# 4316

Delta R.T. 0.04 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Instrument :

BNA_G

ClientSampled :

BDC38

Tgt Ion:278 Resp: 834801
Ion Ratio Lower Upper

278 100

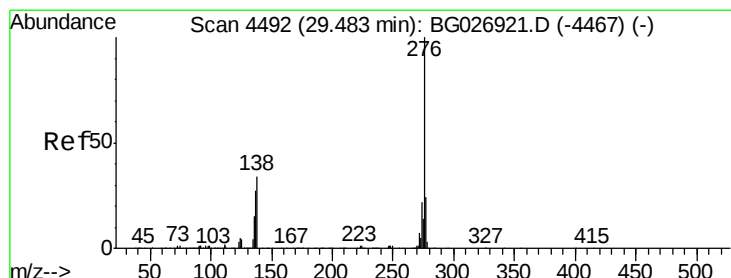
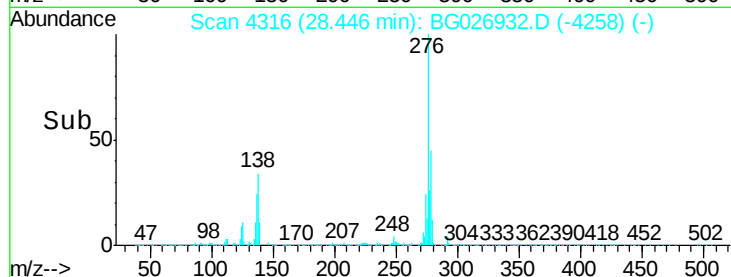
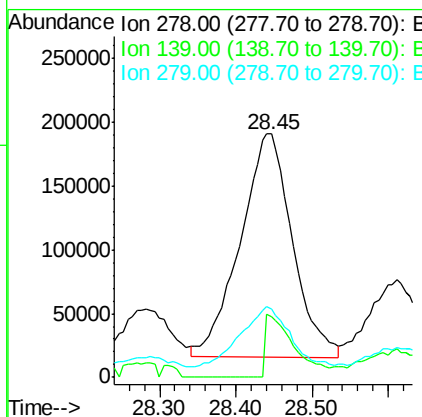
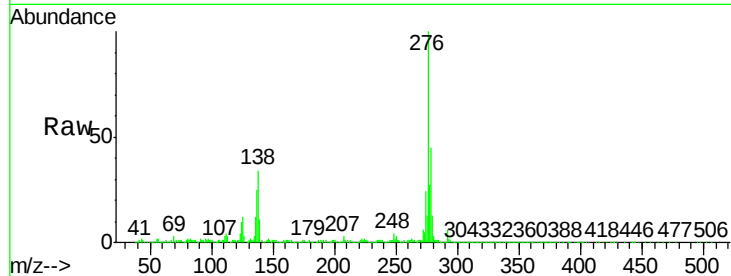
139 24.8 6.7 10.1#

279 27.9 20.9 31.3

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 60.22 ng/ul m

RT: 29.54 min Scan# 4502

Delta R.T. 0.06 min

Lab File: BG026932.D

Acq: 10 May 2017 4:11

Tgt Ion:276 Resp: 2615551
Ion Ratio Lower Upper

276 100

138 36.1 8.6 12.8#

277 25.2 17.6 26.4

