

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050917\
 Data File : BG026930.D
 Acq On : 10 May 2017 2:53
 Operator : SJ/MA
 Sample : I2842-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BDC45

Manual Integrations
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mohammad
 5/10/2017 11:50:32 AM

Quant Time: May 10 04:11:15 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	201539	20.00	ng/ul	0.00
18) Naphthalene-d8	10.80	136	978531	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.62	164	516293	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.35	188	933342	20.00	ng/ul	0.00
75) Chrysene-d12	21.60	240	840917	20.00	ng/ul	0.00
83) Perylene-d12	24.76	264	951403	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	14339	3.20	ng/uL	0.00
5) Phenol-d5	7.18	99	402521	22.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	232124	21.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	320090	20.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.72	113	340349	22.80	ng/ul	0.00
19) Nitrobenzene-d5	9.16	128	168826	20.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	183740	20.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	295510	20.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.94	131	361597	19.11	ng/ul	0.00
43) Dimethylphthalate-d6	14.02	166	856364	20.61	ng/ul	0.00
46) Acenaphthylene-d8	14.31	160	1163551	22.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.84	143	132046	17.63	ng/ul	0.00
57) Fluorene-d10	15.60	176	735368	20.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.73	200	63804	11.26	ng/ul	0.00
70) Anthracene-d10	17.45	188	976929	21.57	ng/ul	0.00
76) Pyrene-d10	19.73	212	950035	21.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.55	264	951015	21.14	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.21	94	36982	2.03 ng/ul#	81
28) Naphthalene	10.85	128	494324	9.70 ng/ul	99
34) 2-Methylnaphthalene	12.45	142	251436	6.65 ng/ul	97
40) 1,1'-Biphenyl	13.45	154	70391	1.62 ng/ul	99
44) Dimethylphthalate	14.06	163	381095	9.37 ng/ul	98
49) Acenaphthene	14.68	153	330601	8.94 ng/ul	96
53) Dibenzofuran	15.01	168	487502	9.90 ng/ul	95
58) Fluorene	15.66	166	468549	11.66 ng/ul	98
69) Phenanthrene	17.40	178	3459902m	65.80 ng/ul	
71) Anthracene	17.48	178	1235447	22.90 ng/ul	99
72) Carbazole	17.75	167	502708	11.02 ng/ul	96
74) Fluoranthene	19.40	202	3387352	69.40 ng/ul#	66
77) Pyrene	19.76	202	2870473	50.88 ng/ul#	66
80) Benzo(a)anthracene	21.58	228	1769899	35.99 ng/ul	93
82) Chrysene	21.64	228	1549553	33.92 ng/ul	96
85) Benzo(b)fluoranthene	23.77	252	2026277	37.27 ng/ul#	90
86) Benzo(k)fluoranthene	23.82	252	716738m	13.42 ng/ul	
88) Benzo(a)pyrene	24.62	252	1515609	28.33 ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	28.37	276	870757	13.73 ng/ul#	82
90) Dibenzo(a,h)anthracene	28.40	278	228443	4.25 ng/ul#	86
91) Benzo(g,h,i)perylene	29.49	276	697322	13.26 ng/ul#	76

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

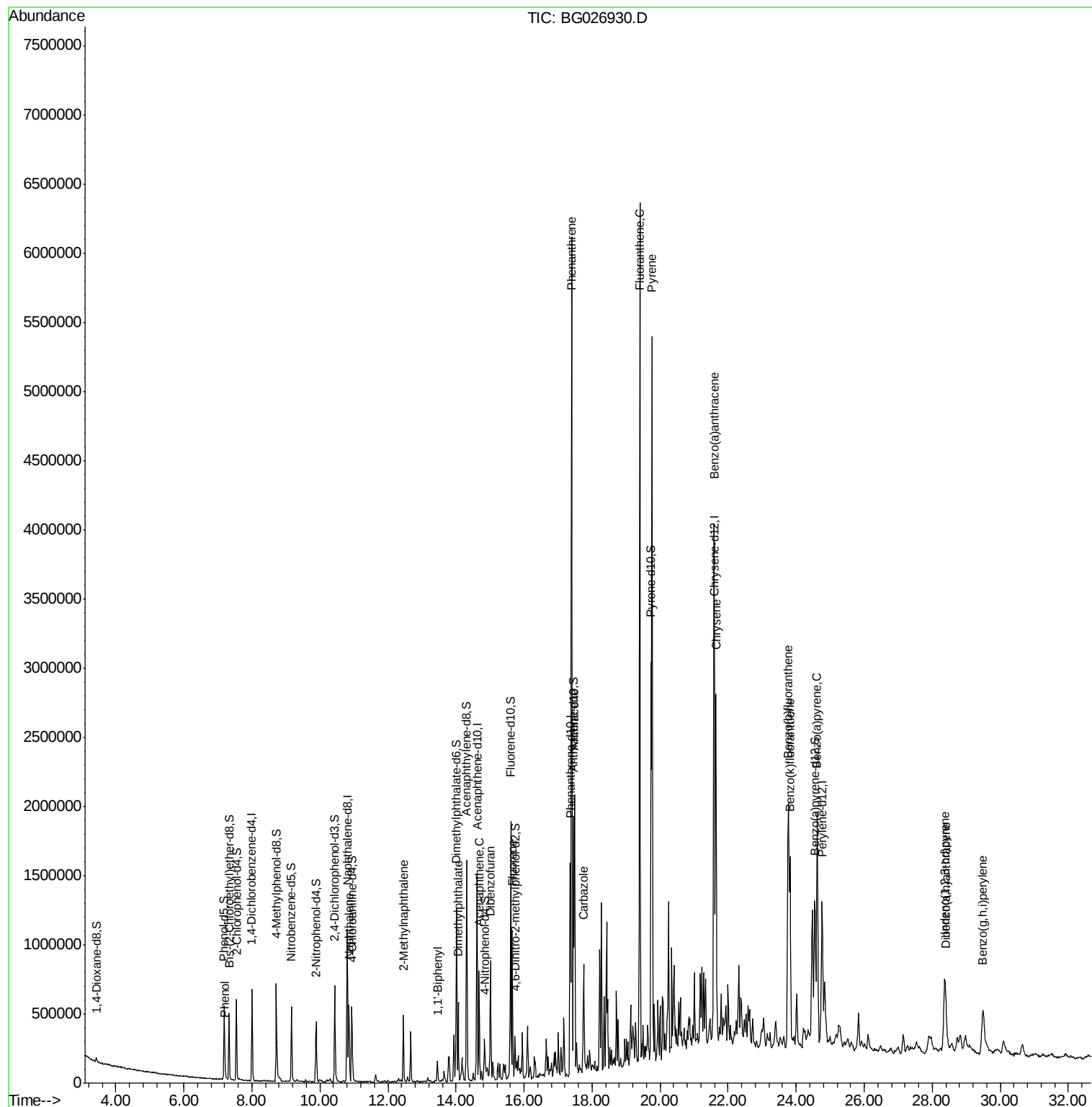
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050917\
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Operator : SJ/MA
Sample : I2842-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

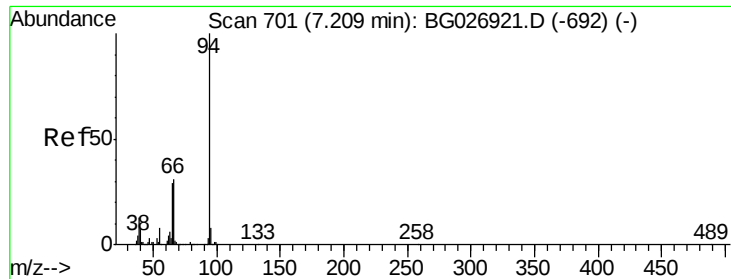
Instrument :
BNA_G
ClientSampleId :
BDC45

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#6

Phenol

Concen: 2.03 ng/ul

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG026930.D

Acq: 10 May 2017 2:53

Instrument :

BNA_G

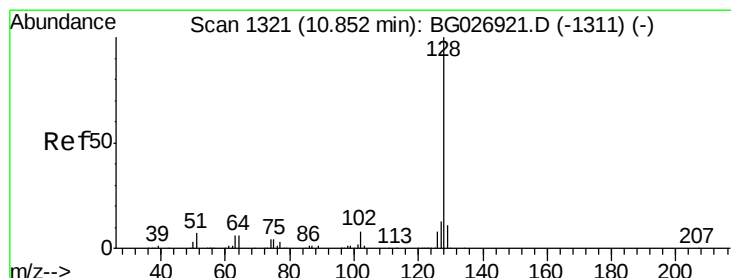
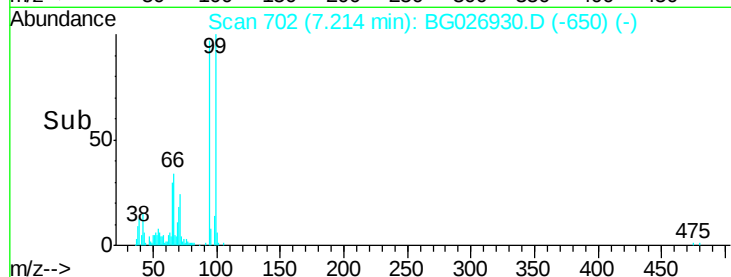
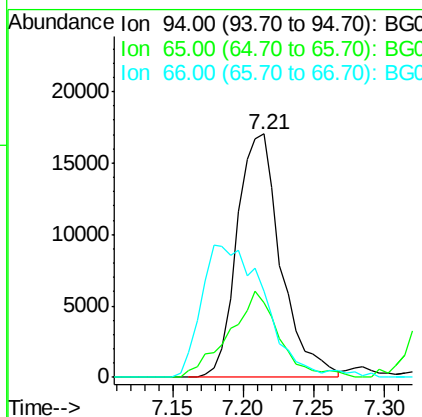
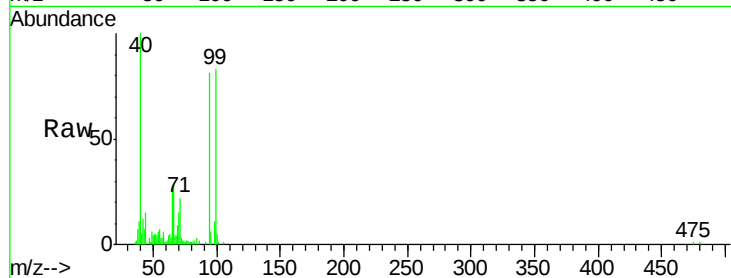
ClientSampled :

BDC45

Tgt Ion:	94	Resp:	36982
Ion Ratio	Lower	Upper	
94	100		
65	30.6	26.8	40.2
66	35.2	44.4	66.6#

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#28

Naphthalene

Concen: 9.70 ng/ul

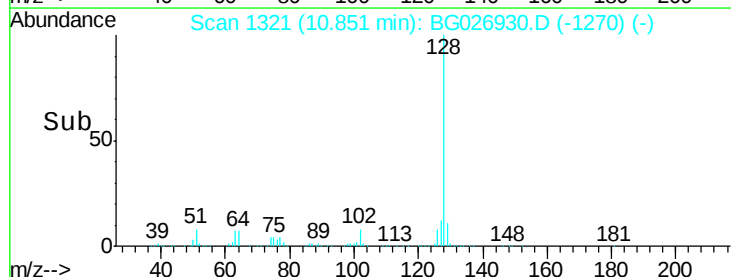
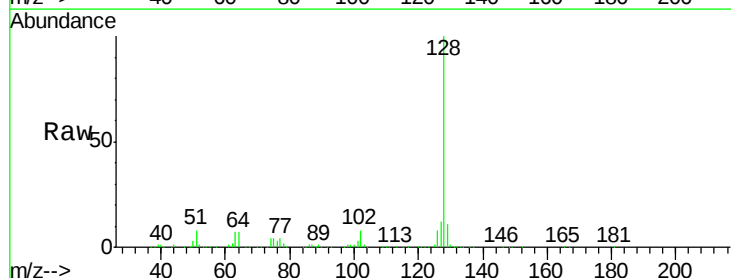
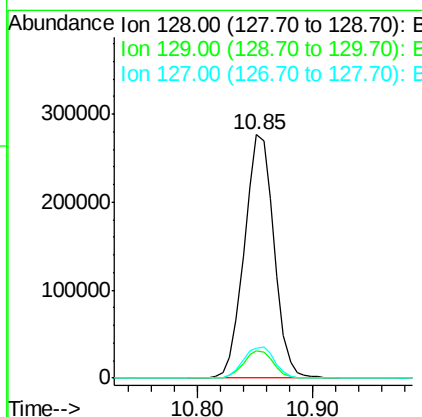
RT: 10.85 min Scan# 1321

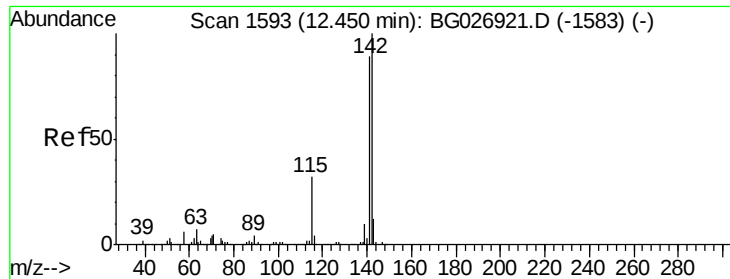
Delta R.T. -0.00 min

Lab File: BG026930.D

Acq: 10 May 2017 2:53

Tgt Ion:	128	Resp:	494324
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.4	14.2
127	12.4	10.3	15.5





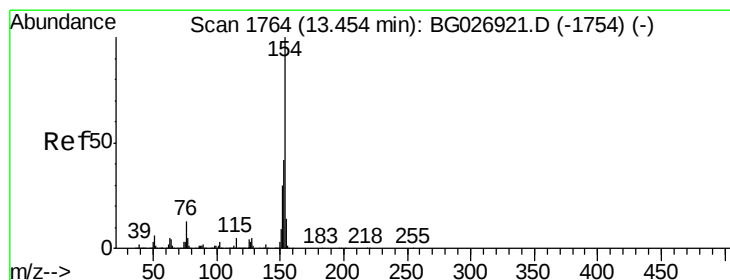
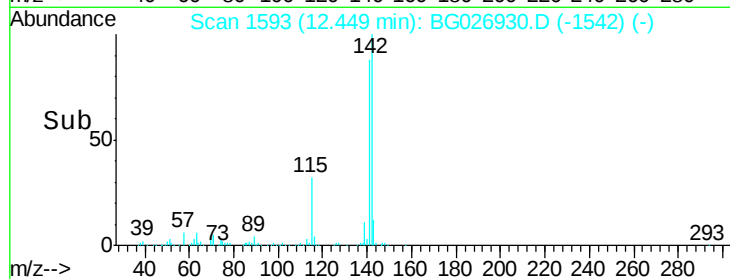
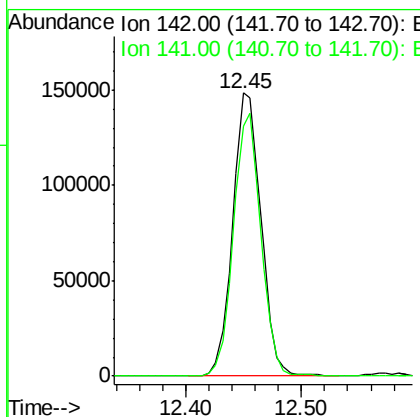
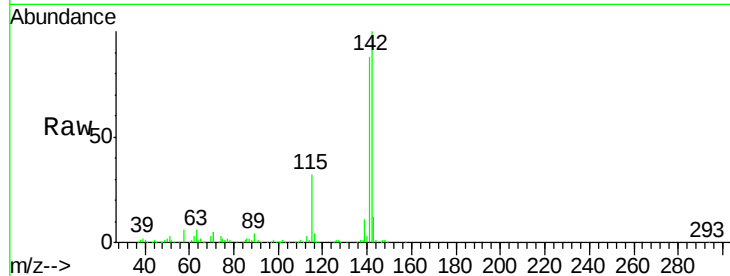
#34
 2-Methylnaphthalene
 Concen: 6.65 ng/ul
 RT: 12.45 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: BG026930.D
 Acq: 10 May 2017 2:53

Instrument :
 BNA_G
 ClientSampleId :
 BDC45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	68.6	102.8

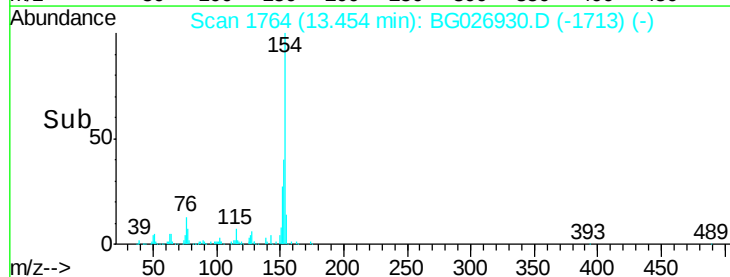
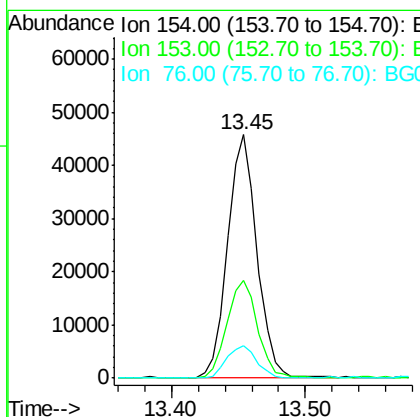
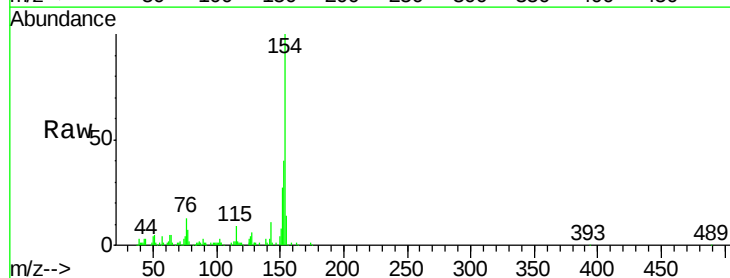
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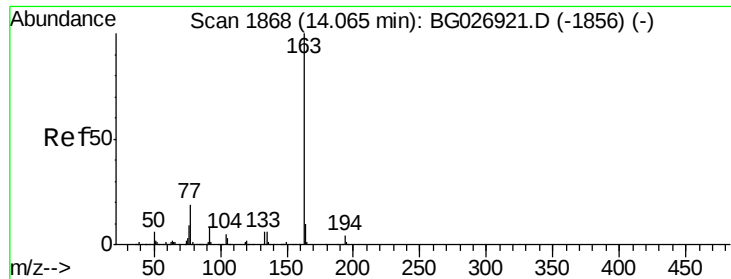
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#40
 1,1'-Biphenyl
 Concen: 1.62 ng/ul
 RT: 13.45 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BG026930.D
 Acq: 10 May 2017 2:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	32.2	48.2
76	13.1	9.6	14.4





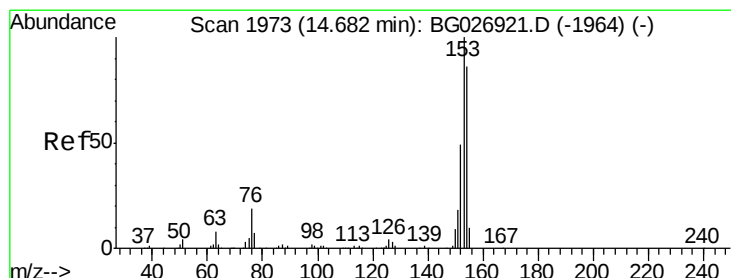
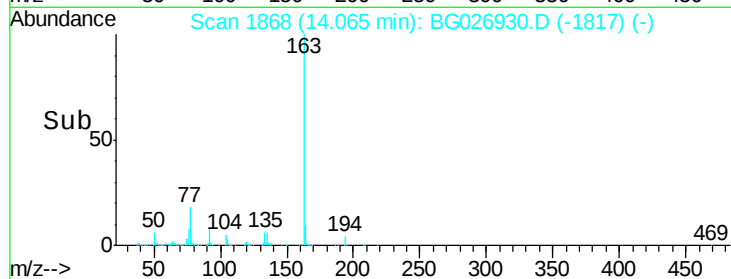
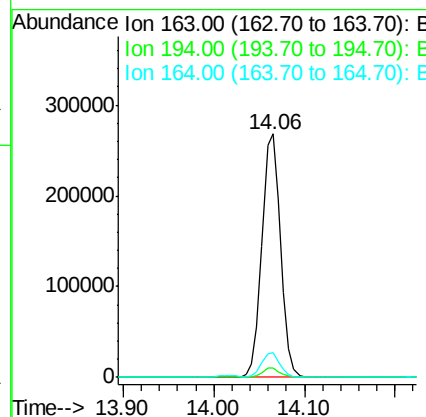
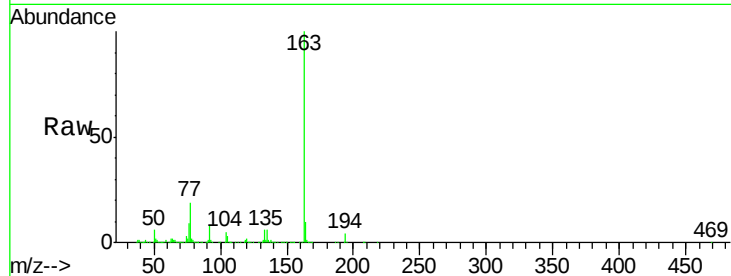
#44
Dimethylphthalate
Concen: 9.37 ng/ul
RT: 14.06 min Scan# 1868
Delta R.T. -0.00 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Instrument :
BNA_G
ClientSampleId :
BDC45

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	381095		
194	4.0		3.4	5.0
164	10.1		9.0	13.4

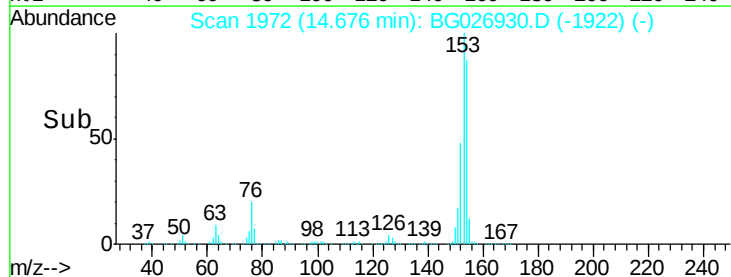
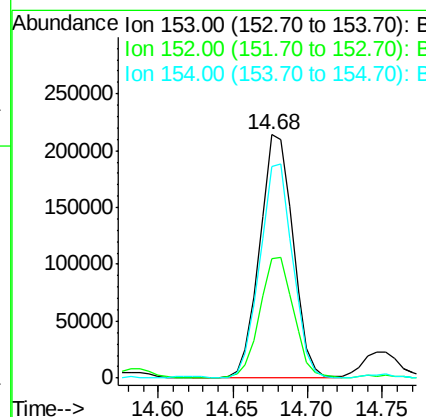
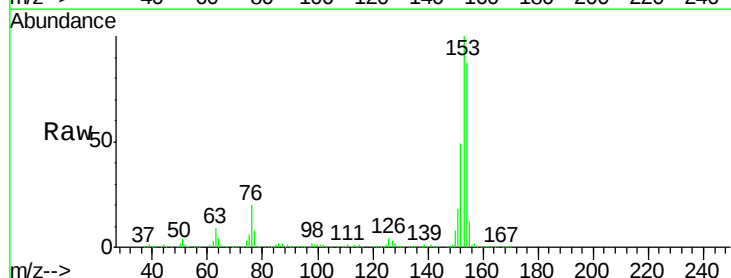
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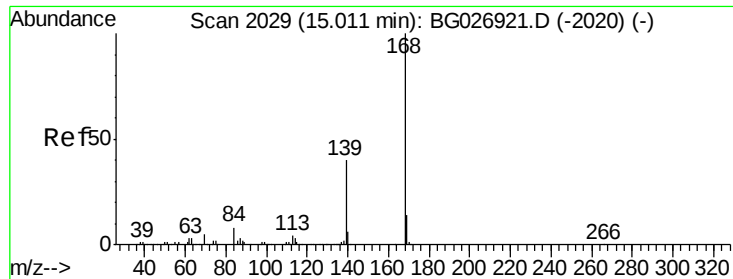
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#49
Acenaphthene
Concen: 8.94 ng/ul
RT: 14.68 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	330601		
152	48.9		36.5	54.7
154	87.0		72.3	108.5





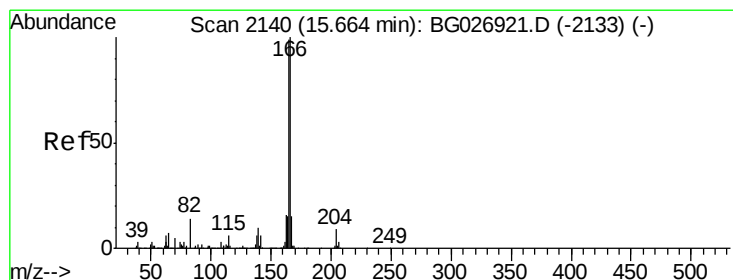
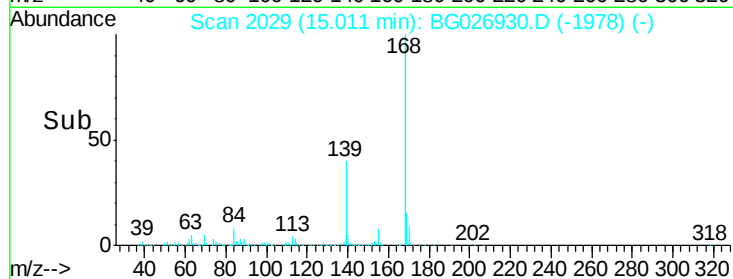
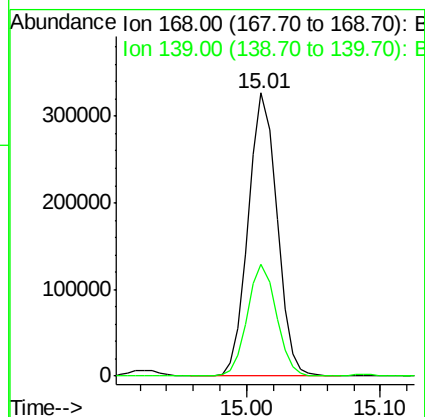
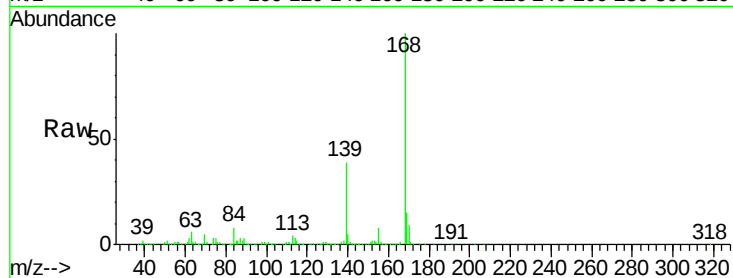
#53
Dibenzenofuran
Concen: 9.90 ng/ul
RT: 15.01 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Instrument :
BNA_G
ClientSampleId :
BDC45

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	487502		
139	39.3	33.8	50.8	

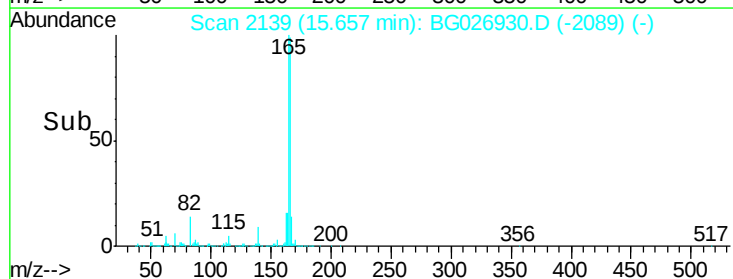
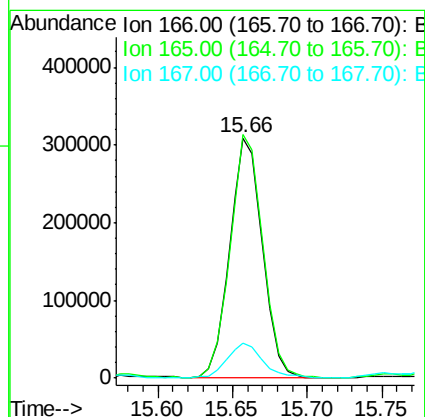
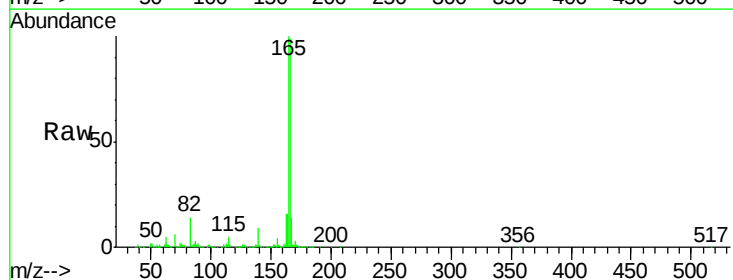
Manual Integrations
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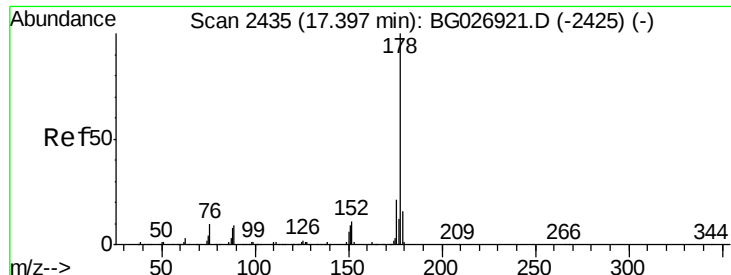
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#58
Fluorene
Concen: 11.66 ng/ul
RT: 15.66 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	468549		
165	101.3	79.7	119.5	
167	14.5	11.4	17.2	





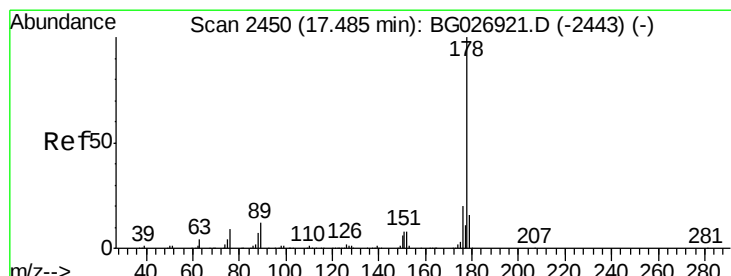
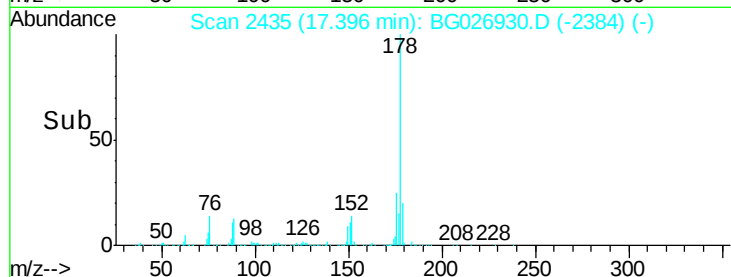
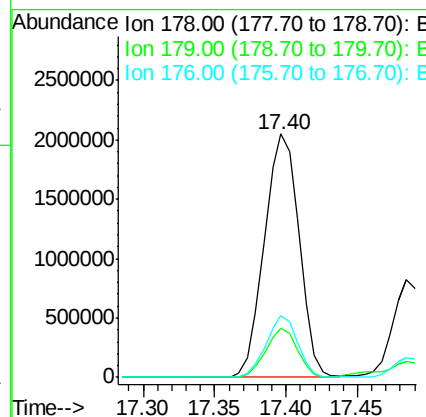
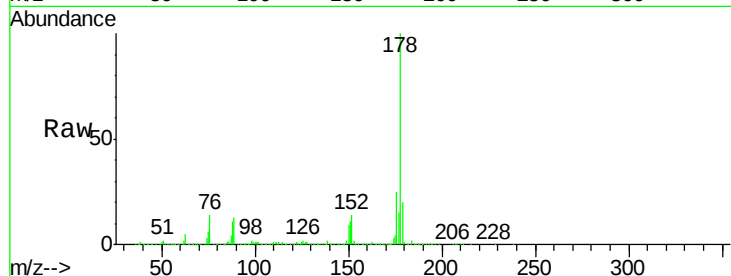
#69
Phenanthrene
Concen: 65.80 ng/ul m
RT: 17.40 min Scan# 2435
Delta R.T. -0.00 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Instrument :
BNA_G
ClientSampleId :
BDC45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.9	12.4	18.6#
176	25.2	16.5	24.7#

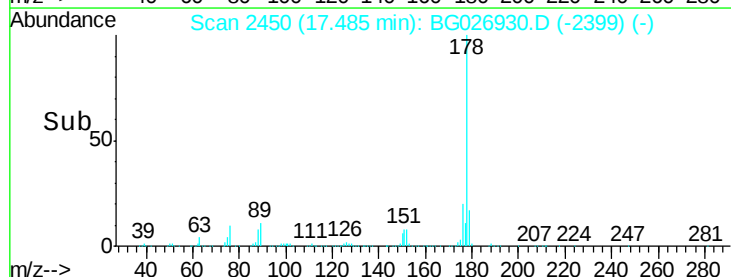
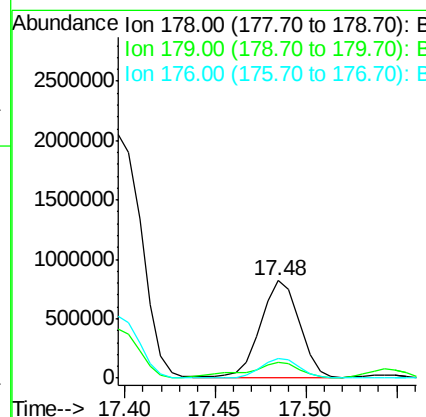
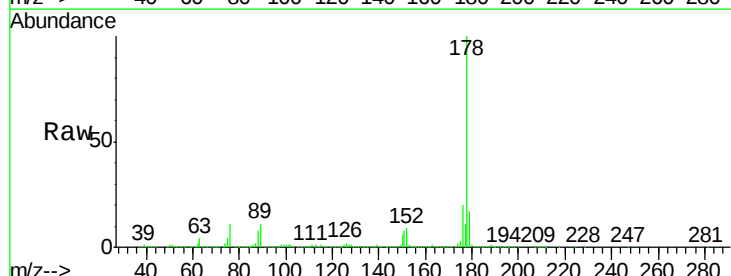
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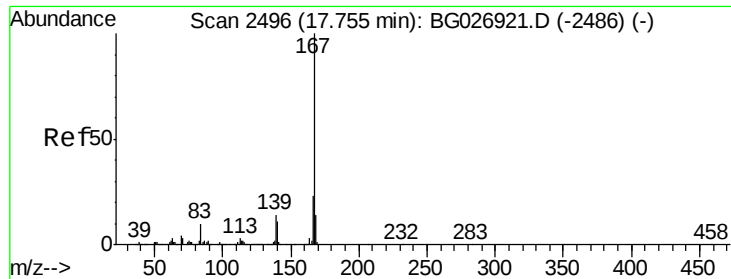
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#71
Anthracene
Concen: 22.90 ng/ul
RT: 17.48 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.6	19.0
176	20.3	15.9	23.9





#72

Carbazole

Concen: 11.02 ng/ul

RT: 17.75 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BG026930.D

Acq: 10 May 2017 2:53

Instrument :

BNA_G

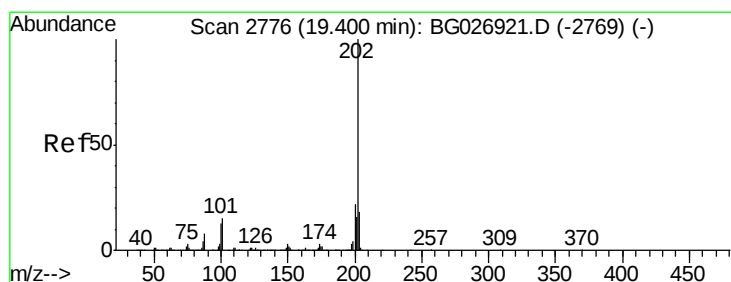
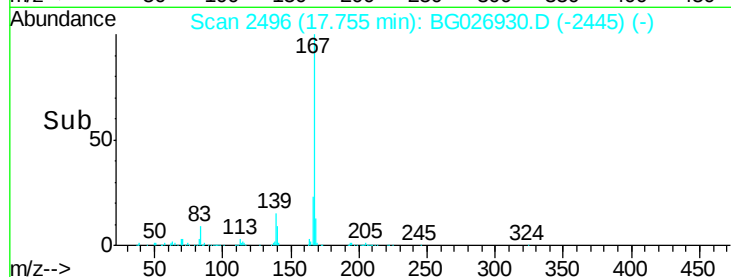
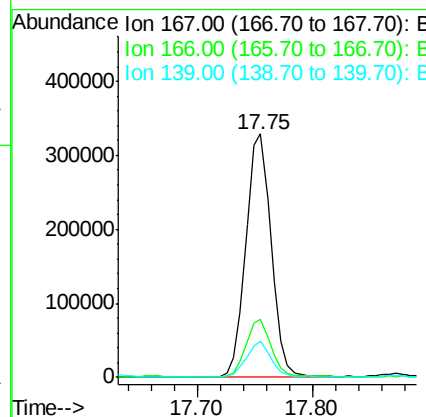
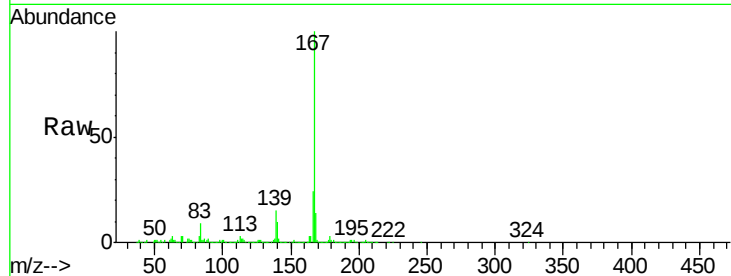
ClientSampleId :

BDC45

Tgt Ion:	167	Resp:	502708
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.9	26.9
139	15.0	10.5	15.7

Manual Integrations
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#74

Fluoranthene

Concen: 69.40 ng/ul

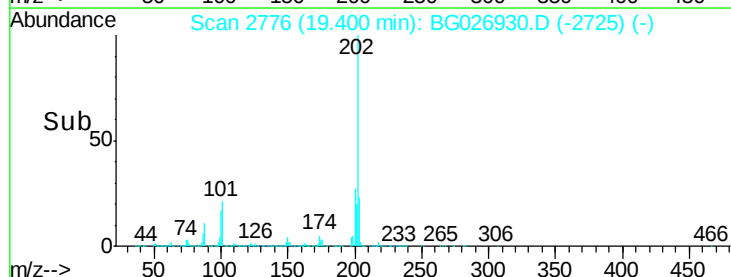
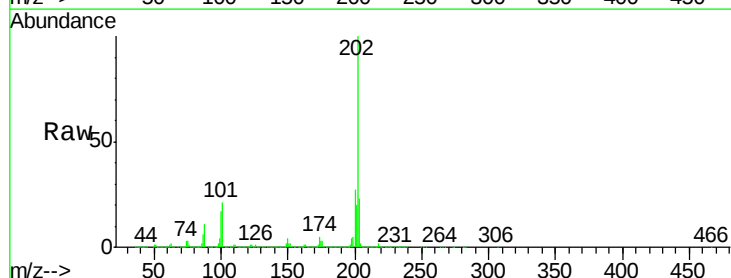
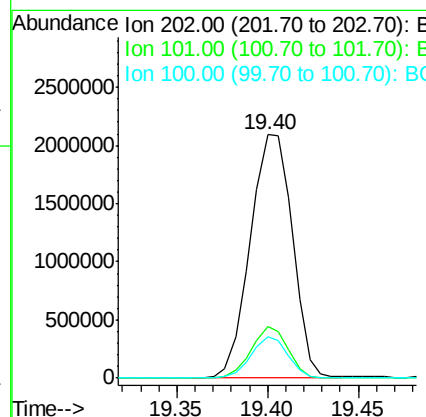
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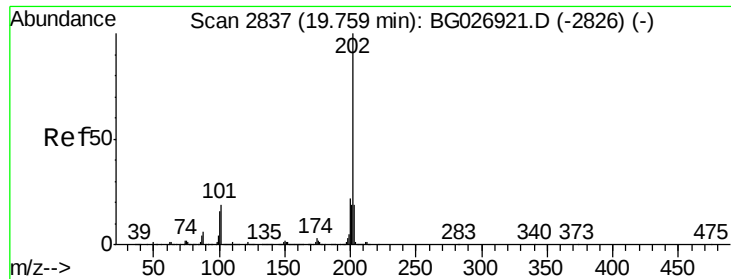
Delta R.T. -0.00 min

Lab File: BG026930.D

Acq: 10 May 2017 2:53

Tgt Ion:	202	Resp:	3387352
Ion Ratio	Lower	Upper	
202	100		
101	21.0	6.2	9.2#
100	16.8	5.2	7.8#





#77

Pyrene

Concen: 50.88 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG026930.D

Acq: 10 May 2017 2:53

Instrument :

BNA_G

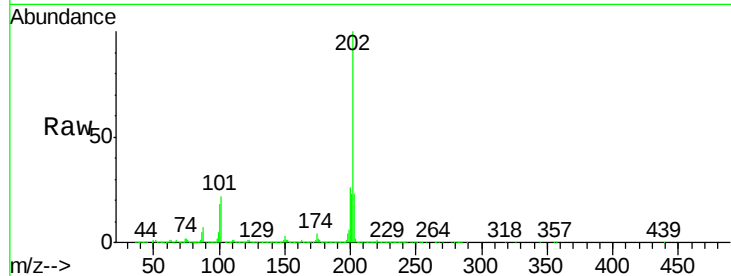
ClientSampled :

BDC45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	22.4	6.9	10.3#
100	18.4	6.6	10.0#

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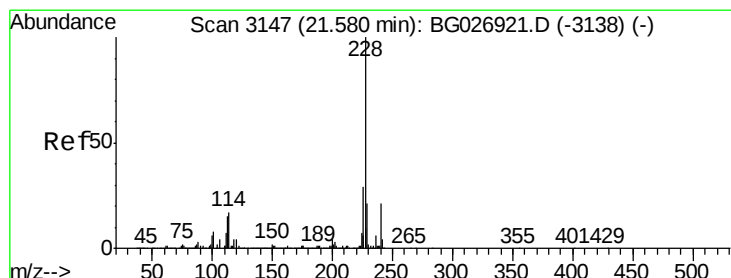
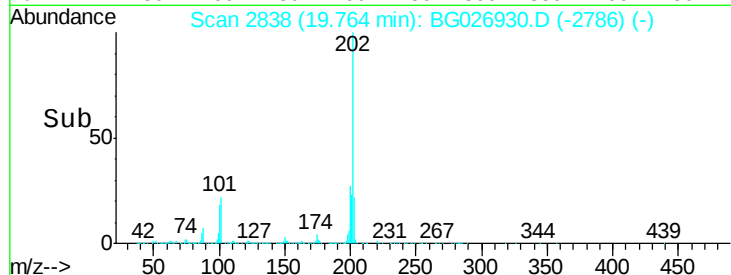
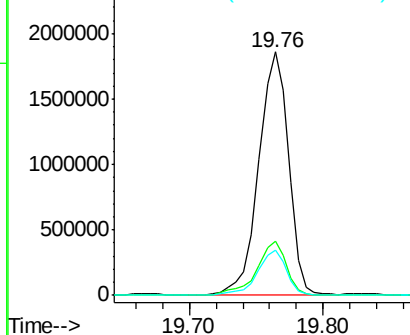
mohammad
5/10/2017 11:50:32 AM



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): B



#80

Benzo(a)anthracene

Concen: 35.99 ng/ul

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG026930.D

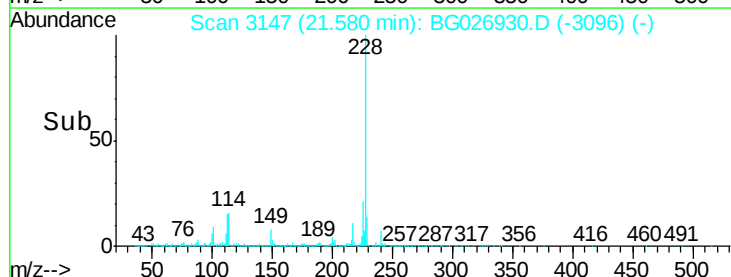
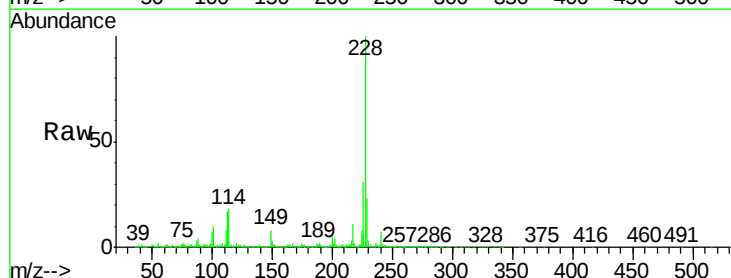
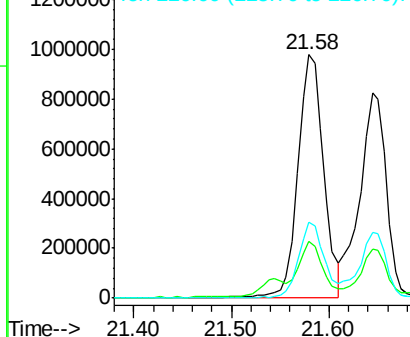
Acq: 10 May 2017 2:53

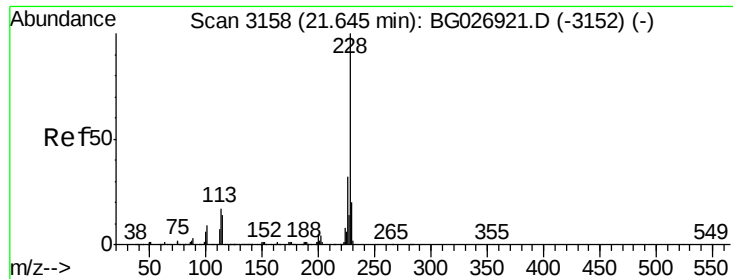
Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.1	16.3	24.5
226	31.2	21.9	32.9

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





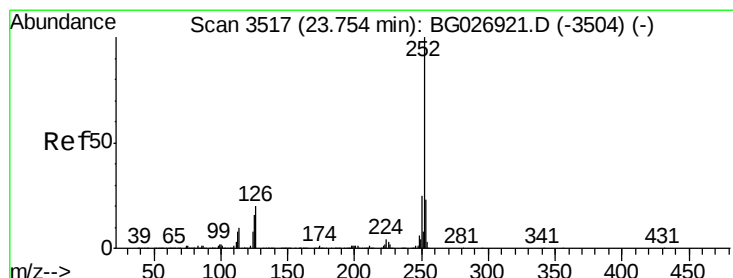
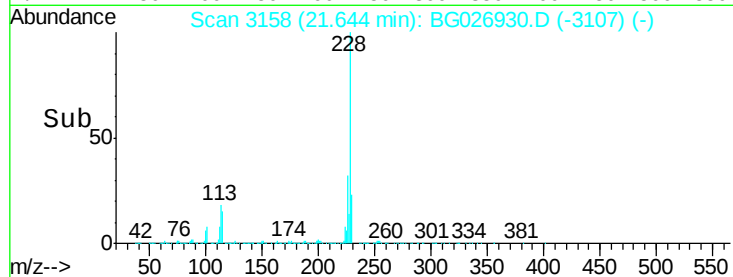
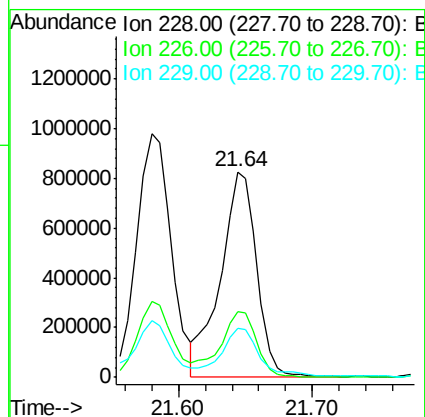
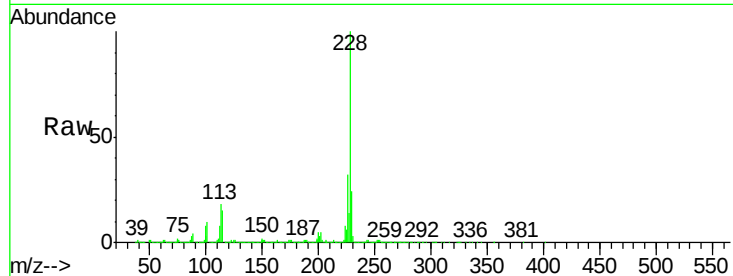
#82
Chrysene
Concen: 33.92 ng/ul
RT: 21.64 min Scan# 3158
Delta R.T. -0.00 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Instrument :
BNA_G
ClientSampleId :
BDC45

Tgt Ion:228 Resp: 1549553
Ion Ratio Lower Upper
228 100
226 32.0 24.0 36.0
229 23.6 16.9 25.3

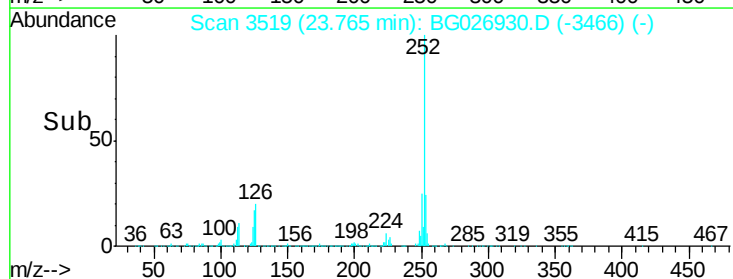
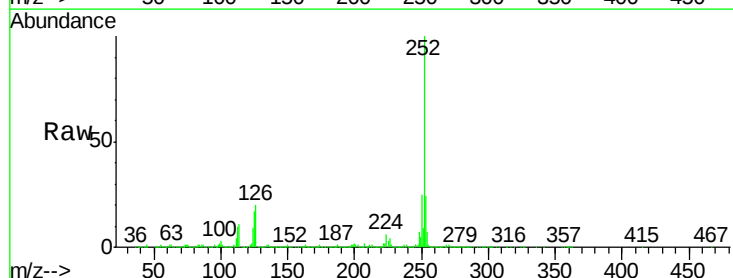
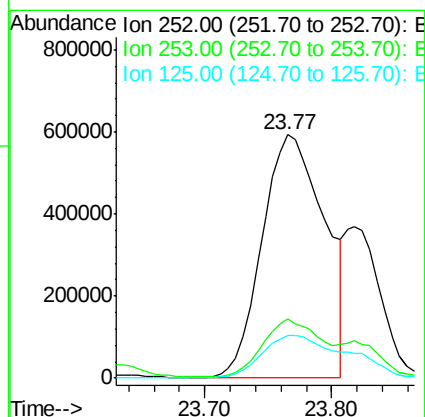
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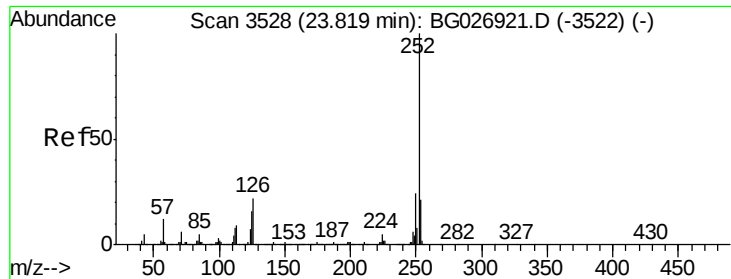
mohammad
5/10/2017 11:50:32 AM



#85
Benzo(b)fluoranthene
Concen: 37.27 ng/ul
RT: 23.77 min Scan# 3519
Delta R.T. 0.01 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Tgt Ion:252 Resp: 2026277
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 17.4 4.0 6.0#





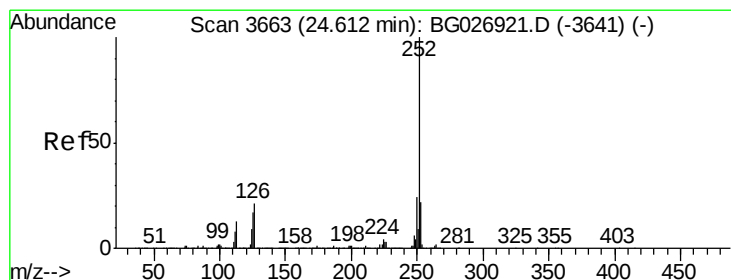
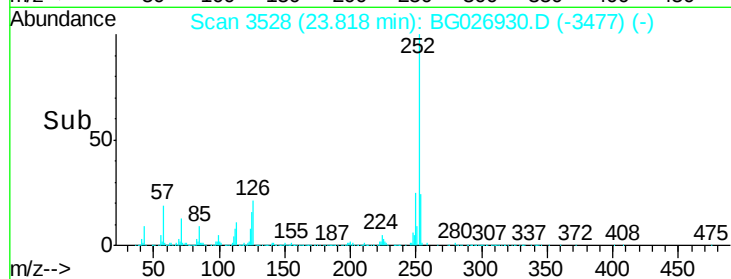
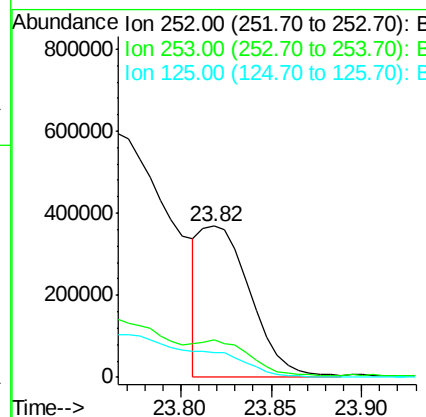
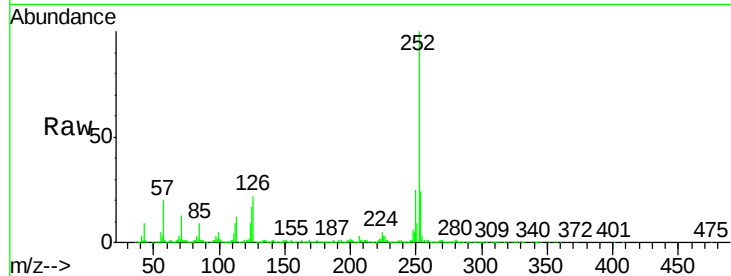
#86
Benzo(k)fluoranthene
Concen: 13.42 ng/ul m
RT: 23.82 min Scan# 3528
Delta R.T. -0.00 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Instrument :
BNA_G
ClientSampleId :
BDC45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	16.6	4.1	6.1#

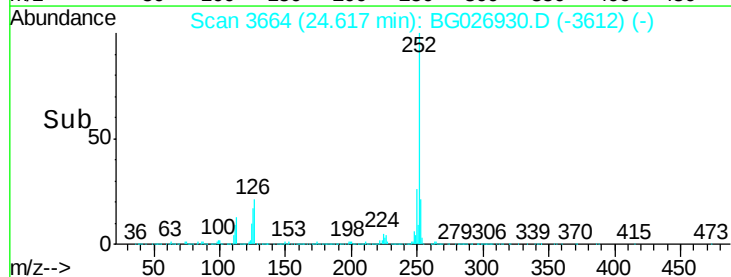
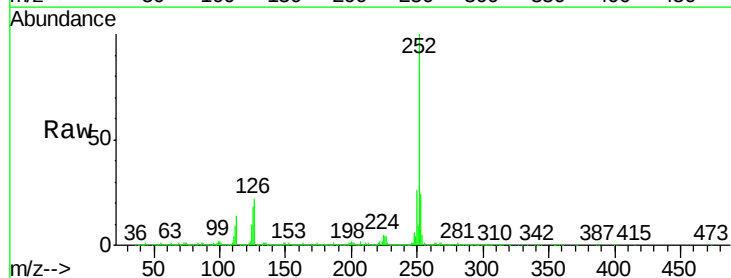
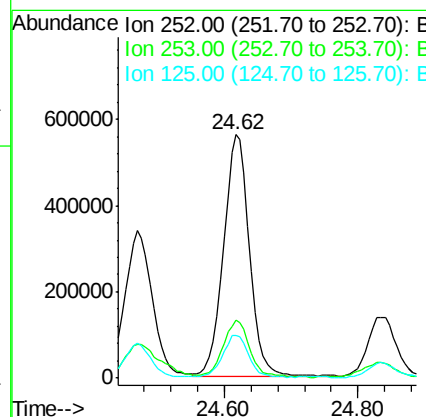
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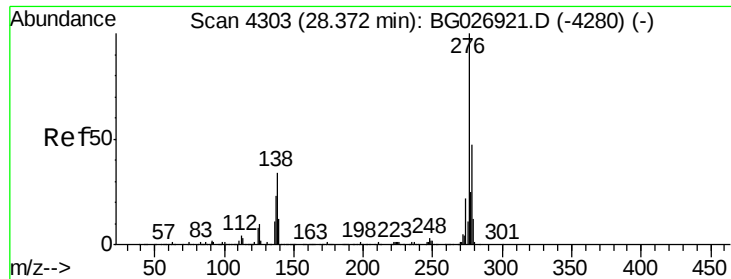
mohammad
5/10/2017 11:50:32 AM



#88
Benzo(a)pyrene
Concen: 28.33 ng/ul
RT: 24.62 min Scan# 3664
Delta R.T. 0.01 min
Lab File: BG026930.D
Acq: 10 May 2017 2:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	17.7	5.4	8.0#





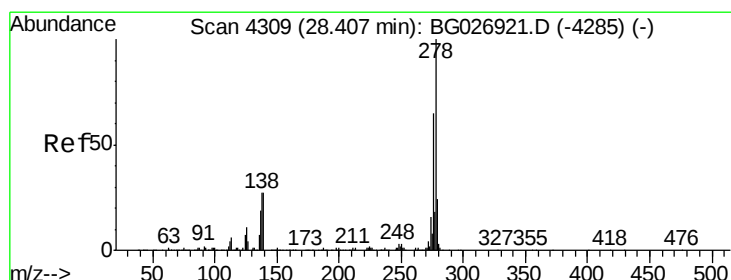
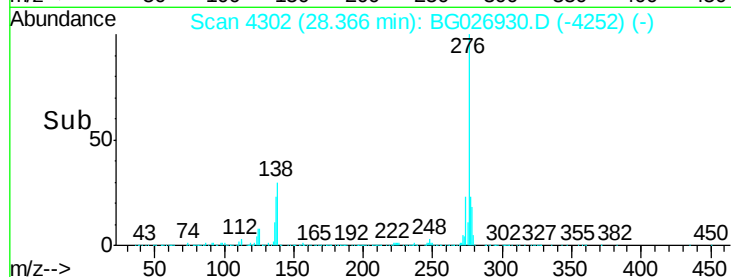
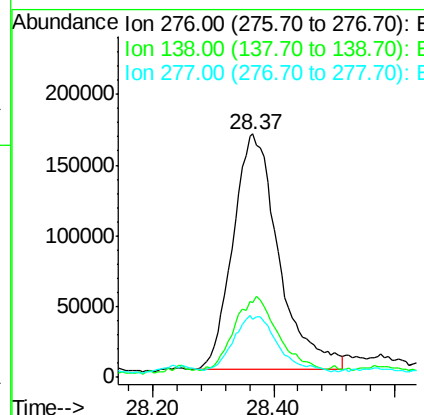
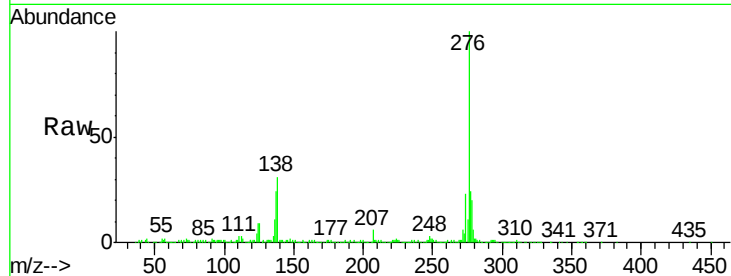
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 13.73 ng/ul
 RT: 28.37 min Scan# 4302
 Delta R.T. -0.01 min
 Lab File: BG026930.D
 Acq: 10 May 2017 2:53

Instrument :
 BNA_G
 ClientSampleId :
 BDC45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	8.2	12.4#
277	23.8	18.6	28.0

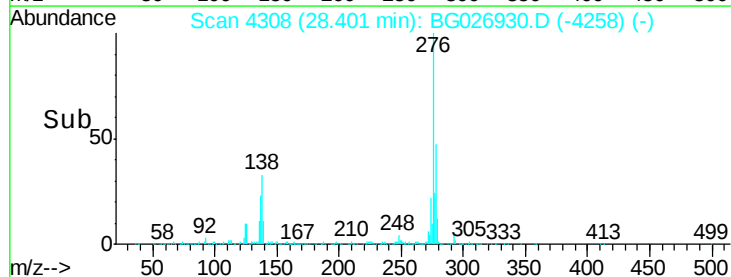
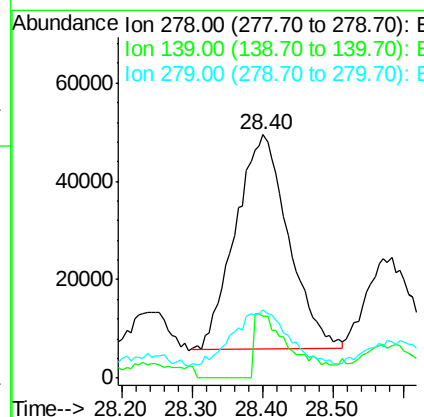
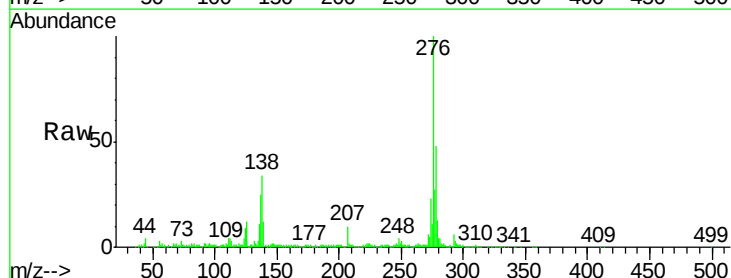
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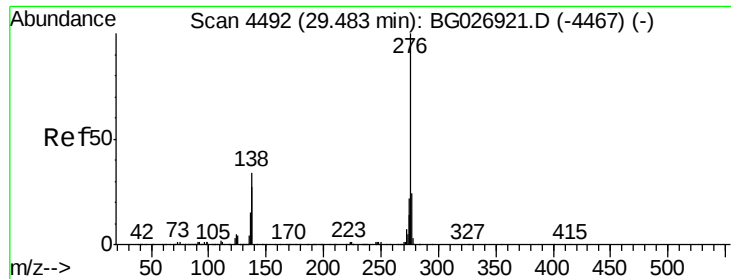
mohammad
 5/10/2017 11:50:32 AM



#90
 Dibenzo(a,h)anthracene
 Concen: 4.25 ng/ul
 RT: 28.40 min Scan# 4308
 Delta R.T. -0.01 min
 Lab File: BG026930.D
 Acq: 10 May 2017 2:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.1	6.7	10.1#
279	27.9	20.9	31.3





#91
 Benzo(g,h,i)perylene
 Concen: 13.26 ng/ul
 RT: 29.49 min Scan# 4494
 Delta R.T. 0.01 min
 Lab File: BG026930.D
 Acq: 10 May 2017 2:53

Instrument :
 BNA_G
 ClientSampleId :
 BDC45

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	32.4	8.6	12.8#	
277	25.6	17.6	26.4	

Manual Integrations
 APPROVED

mohammad
 5/10/2017 11:50:32 AM

