

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
 Data File : BG022045.D
 Acq On : 23 May 2016 13:17
 Operator : UM/SJ
 Sample : H3086-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHGF6

Manual Integrations
 APPROVED

umangi
 5/24/2016 7:36:58 PM

Quant Time: May 24 07:33:53 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 05:44:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	46600	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	243207	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	129889	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	240491	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	214751	20.00	ng/ul	0.00
83) Perylene-d12	25.15	264	198998	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	3279m	3.67	ng/uL	0.00
5) Phenol-d5	7.31	99	70186	16.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	42193	19.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	66501	18.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	49386	13.83	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	35158	19.60	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	39142	20.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	63796	18.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	62463	16.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	209904	21.51	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	286604	21.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	17578	10.46	ng/ul	0.00
57) Fluorene-d10	15.77	176	184924	20.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	15815	12.58	ng/ul	0.00
70) Anthracene-d10	17.63	188	234218	20.29	ng/ul	0.00
76) Pyrene-d10	19.91	212	248447	20.52	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.92	264	200359	21.70	ng/ul	0.00

Target Compounds

						Qvalue
44) Dimethylphthalate	14.22	163	64587	6.59	ng/ul	96
69) Phenanthrene	17.57	178	107284	8.02	ng/ul	98
71) Anthracene	17.66	178	21695m	1.60	ng/ul	
74) Fluoranthene	19.57	202	112723	8.25	ng/ul	99
77) Pyrene	19.94	202	152002	10.06	ng/ul	99
80) Benzo(a)anthracene	21.79	228	49580m	3.94	ng/ul	
82) Chrysene	21.86	228	58735	4.86	ng/ul	94
85) Benzo(b)fluoranthene	24.09	252	50580	4.34	ng/ul#	91
86) Benzo(k)fluoranthene	24.14	252	17384m	1.53	ng/ul	
88) Benzo(a)pyrene	24.98	252	50816	4.52	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	28.96	276	28135m	2.18	ng/ul	
91) Benzo(g,h,i)perylene	30.14	276	25704m	2.49	ng/ul	

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

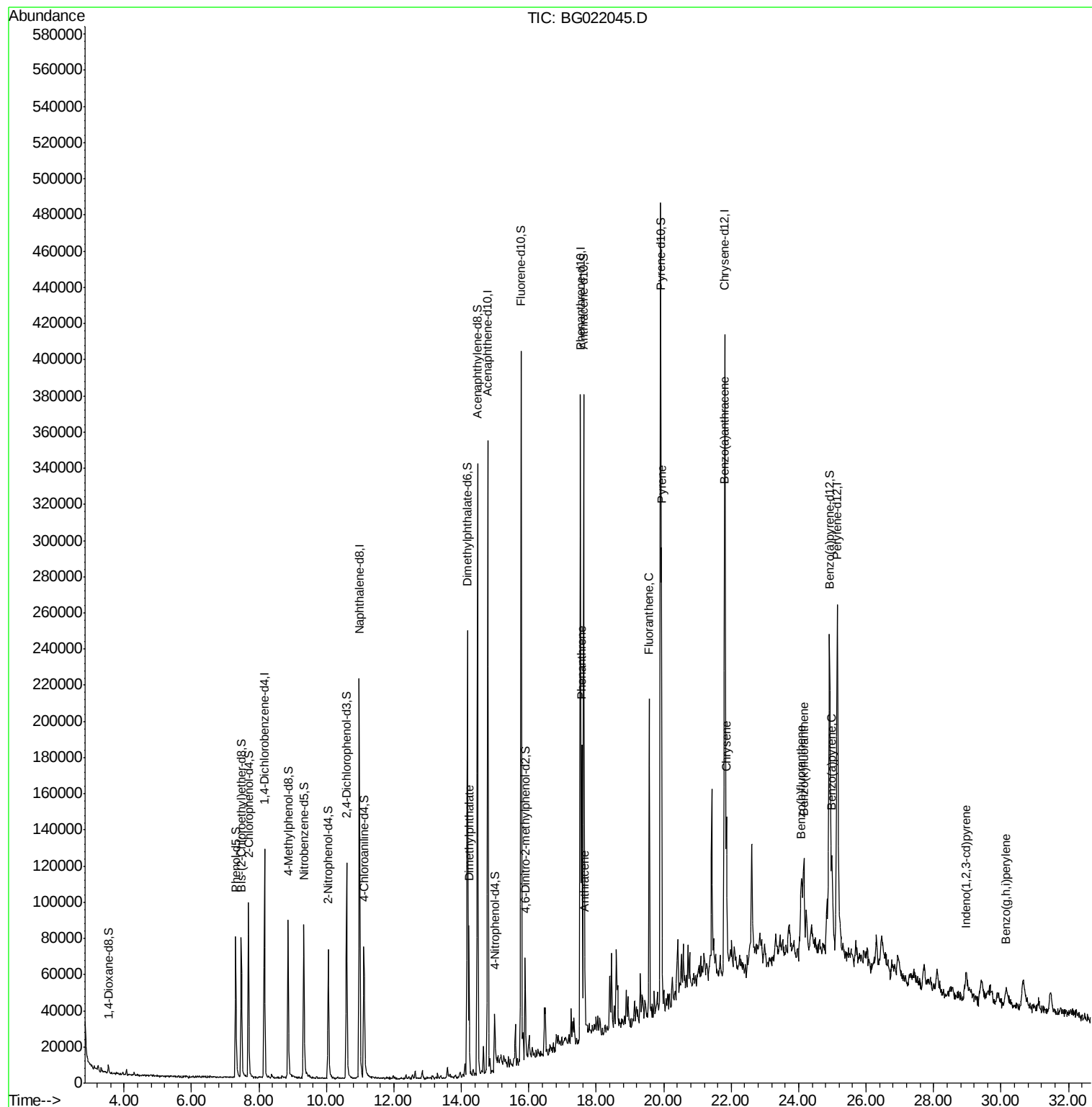
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022045.D
Acq On : 23 May 2016 13:17
Operator : UM/SJ
Sample : H3086-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

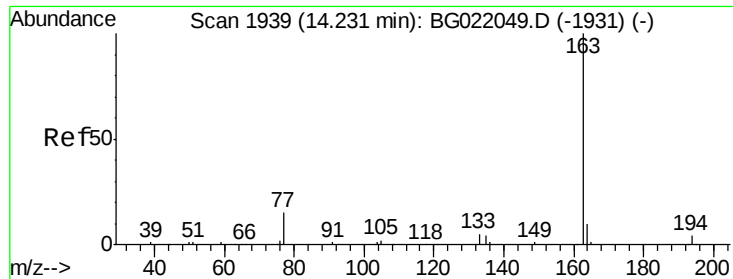
Instrument :
BNA_G
ClientSampleId :
JHGF6

Manual Integrations
APPROVED

umangi
5/24/2016 7:36:58 PM

Quant Time: May 24 07:33:53 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 05:44:46 2016
Response via : Initial Calibration





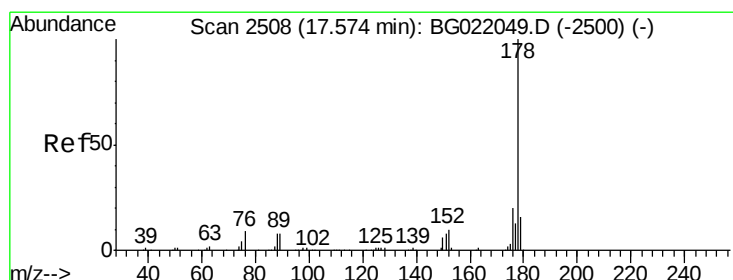
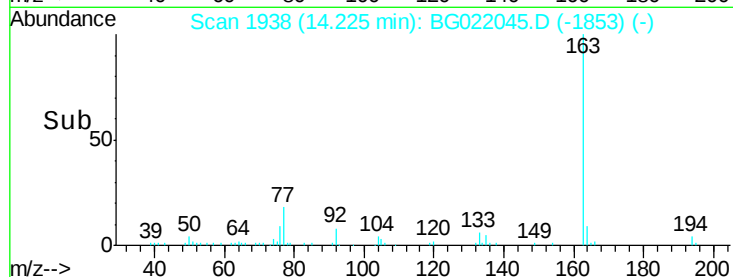
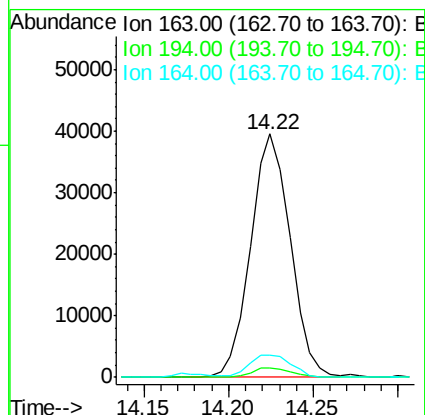
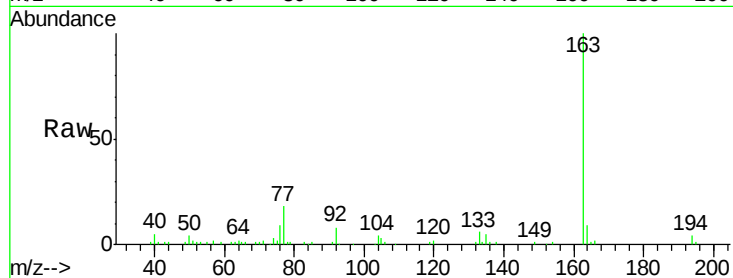
#44
Dimethylphthalate
Concen: 6.59 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG022045.D
Acq: 23 May 2016 13:17

Instrument :
BNA_G
ClientSampled :
JHGF6

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	64587		
194	3.8		3.4	5.2
164	9.4		8.8	13.2

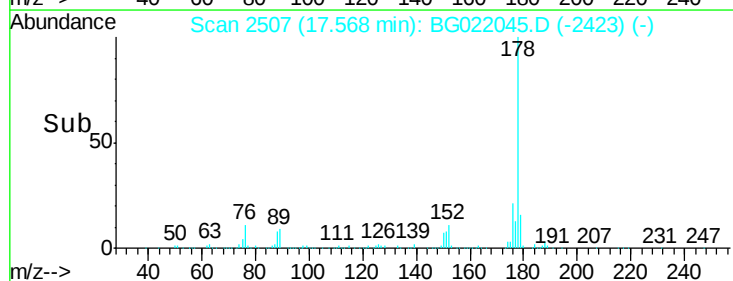
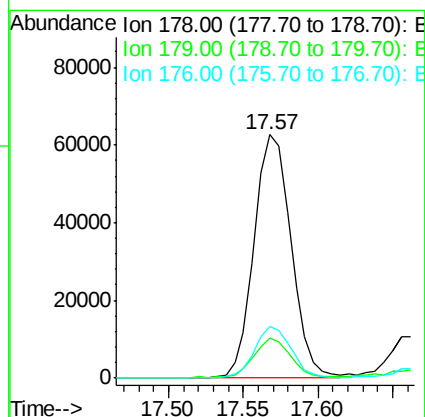
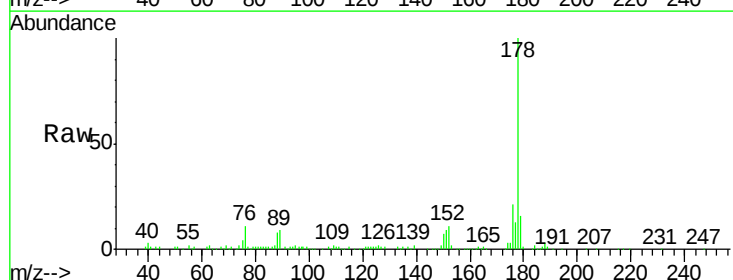
Manual Integrations
APPROVED

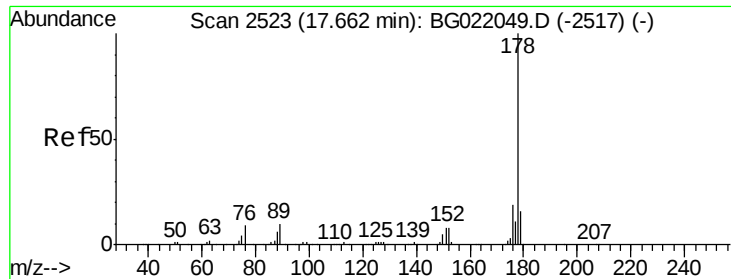
umangi
5/24/2016 7:36:58 PM



#69
Phenanthrene
Concen: 8.02 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.00 min
Lab File: BG022045.D
Acq: 23 May 2016 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	107284		
179	16.4		12.9	19.3
176	21.2		15.8	23.8





#71

Anthracene

Concen: 1.60 ng/ul m

RT: 17.66 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BG022045.D

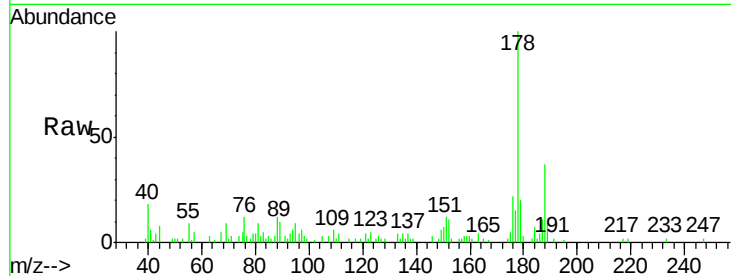
Acq: 23 May 2016 13:17

Instrument :

BNA_G

ClientSampleId :

JHGF6



Tgt Ion:178 Resp: 21695

Ion Ratio Lower Upper

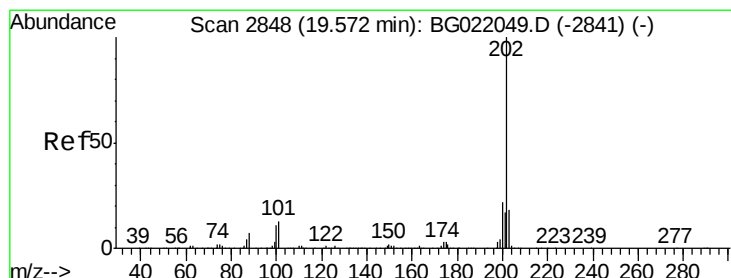
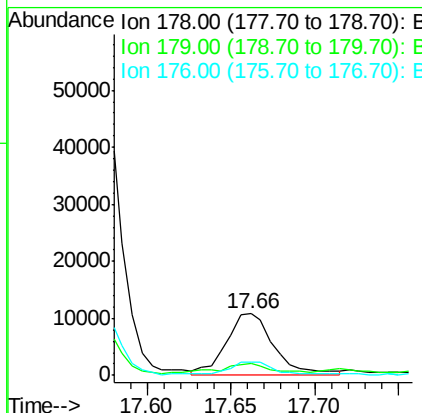
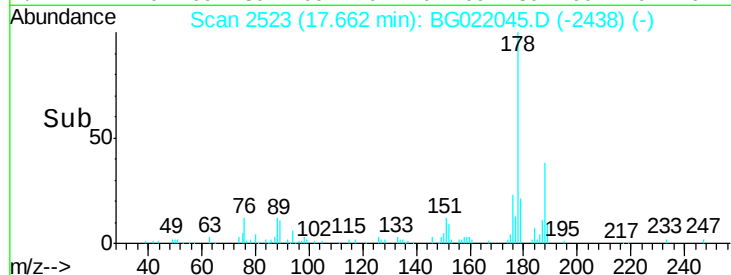
178 100

179 20.3 12.3 18.5#

176 22.2 16.3 24.5

Manual Integrations
APPROVED

umangi
5/24/2016 7:36:58 PM



#74

Fluoranthene

Concen: 8.25 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BG022045.D

Acq: 23 May 2016 13:17

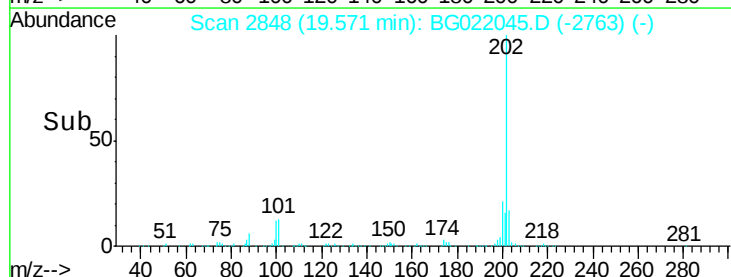
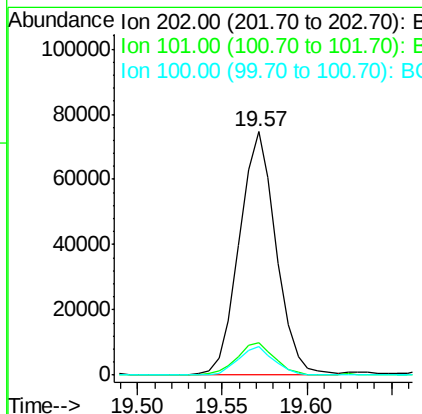
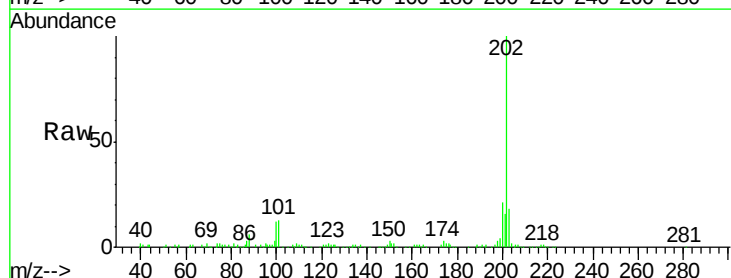
Tgt Ion:202 Resp: 112723

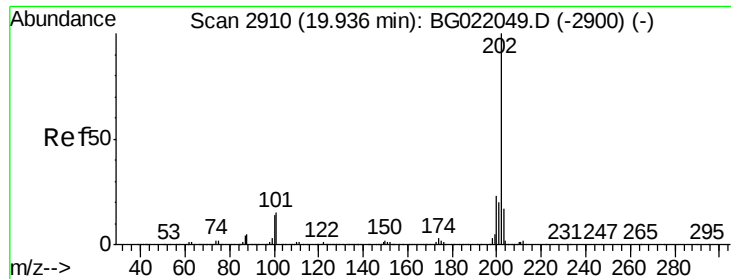
Ion Ratio Lower Upper

202 100

101 13.4 10.6 16.0

100 11.7 8.7 13.1





#77

Pyrene

Concen: 10.06 ng/ul

RT: 19.94 min Scan# 2910

Delta R.T. 0.00 min

Lab File: BG022045.D

Acq: 23 May 2016 13:17

Instrument :

BNA_G

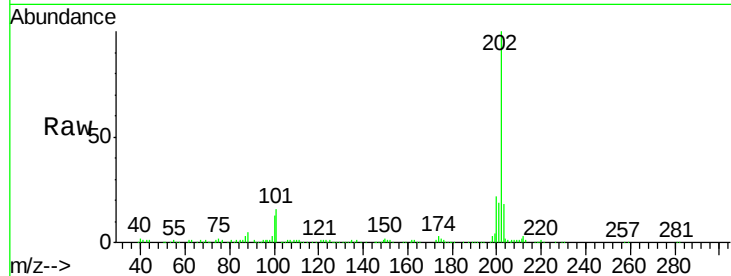
ClientSampleId :

JHGF6

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	152002		
101	16.2	12.5	18.7	
100	12.9	10.2	15.4	

Manual Integrations
APPROVED

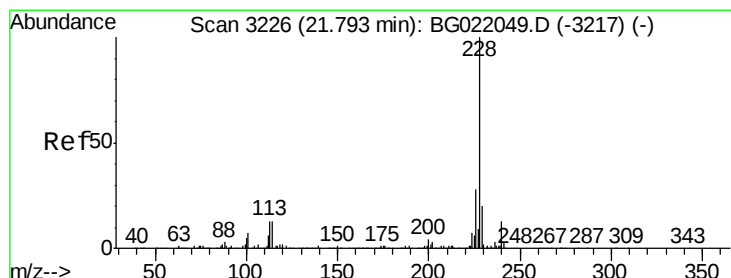
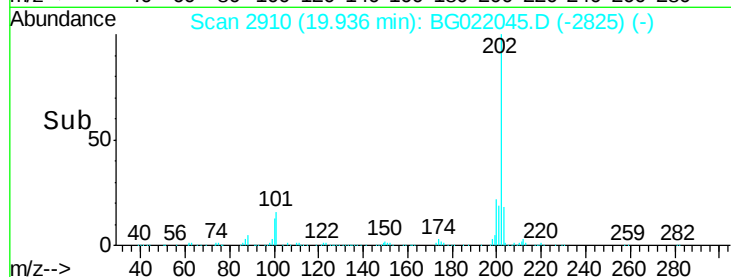
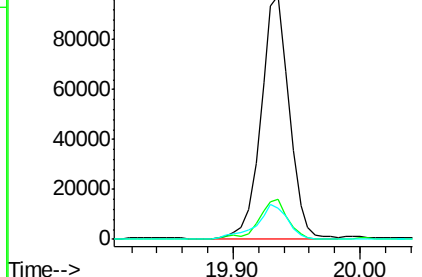
umangi
5/24/2016 7:36:58 PM



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: 3.94 ng/ul m

RT: 21.79 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BG022045.D

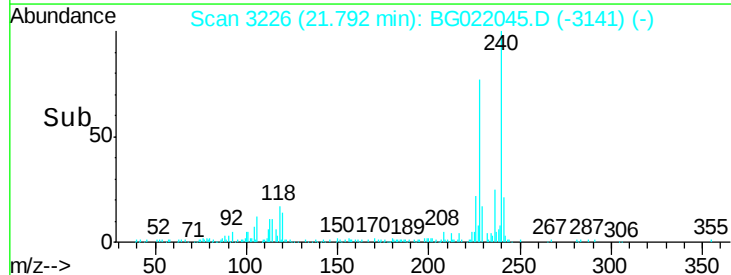
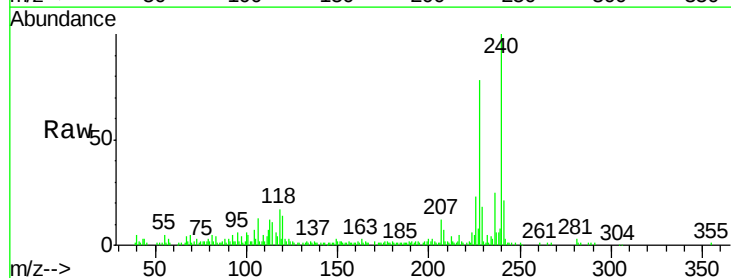
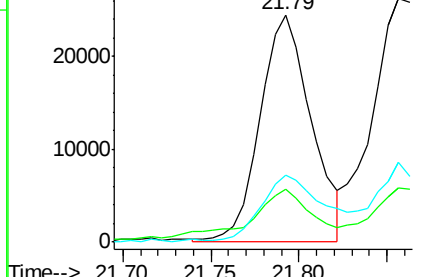
Acq: 23 May 2016 13:17

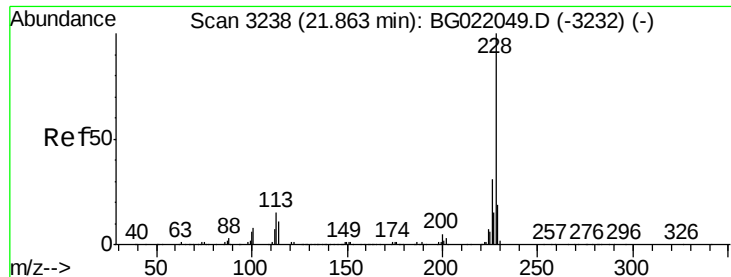
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	49580		
229	23.5	15.4	23.2	#
226	29.5	22.8	34.2	

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: 4.86 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BG022045.D

Acq: 23 May 2016 13:17

Instrument :

BNA_G

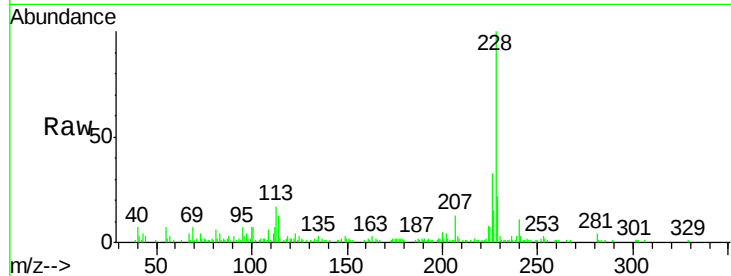
ClientSampleId :

JHGF6

Tgt Ion:	228	Resp:	58735
Ion Ratio	Lower	Upper	
228	100		
226	32.6	24.2	36.4
229	22.3	15.0	22.6

Manual Integrations
APPROVED

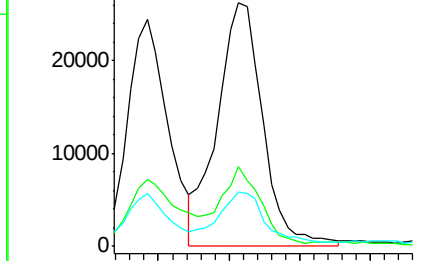
umangi
5/24/2016 7:36:58 PM



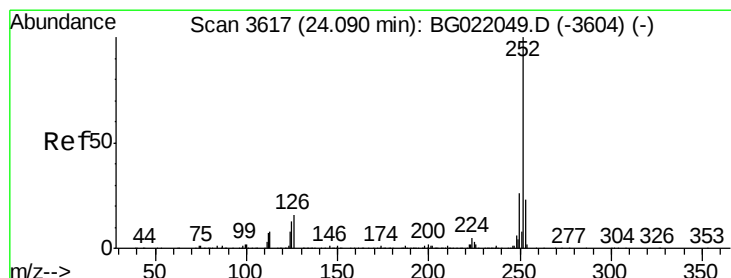
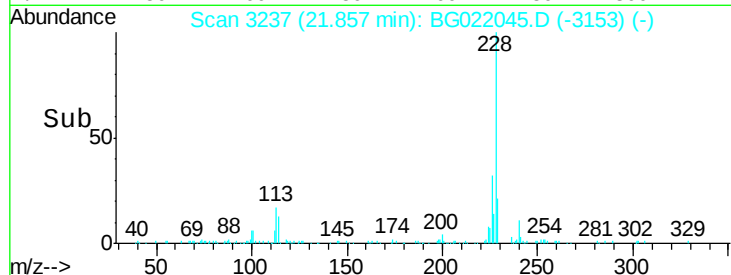
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 4.34 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. 0.01 min

Lab File: BG022045.D

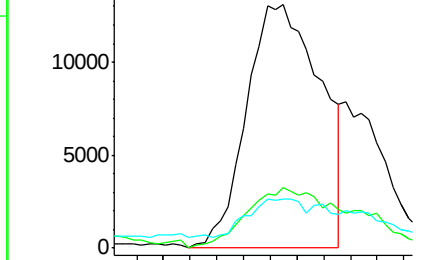
Acq: 23 May 2016 13:17

Tgt Ion:	252	Resp:	50580
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.2
125	20.1	10.8	16.2#

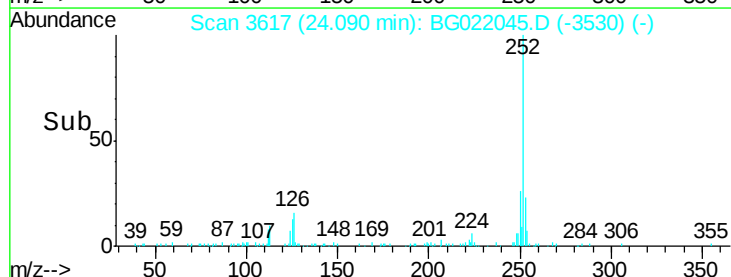
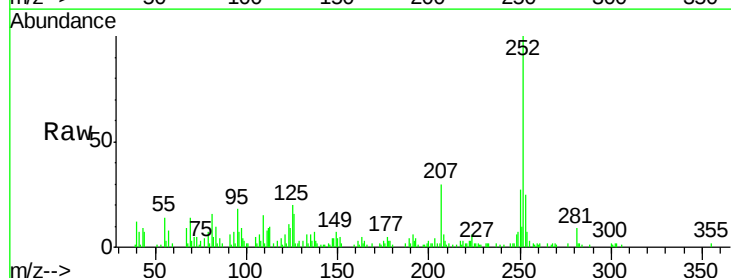
Abundance Ion 252.00 (251.70 to 252.70): E

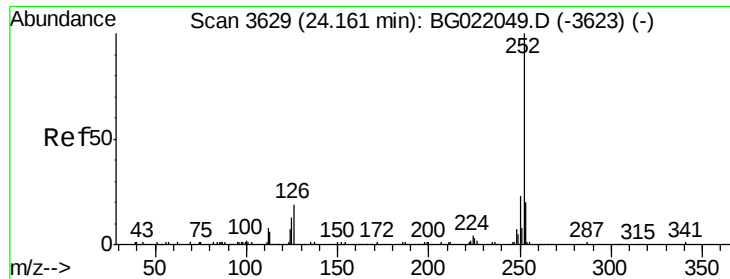
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





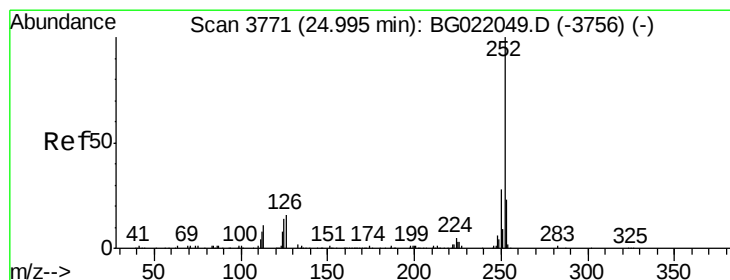
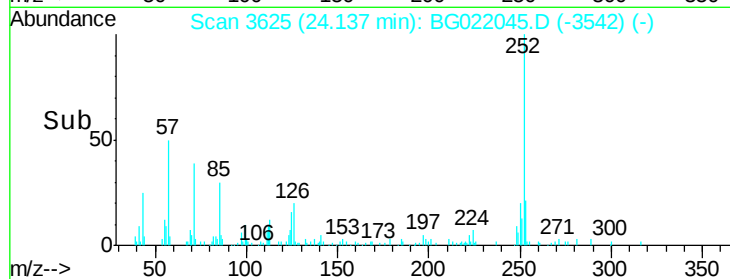
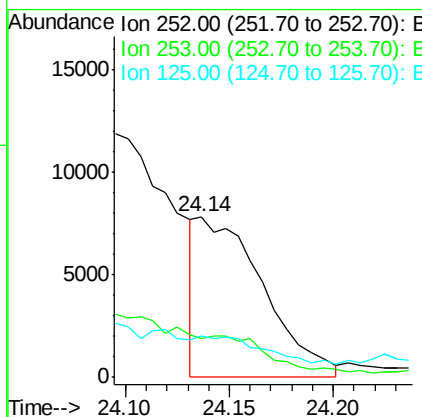
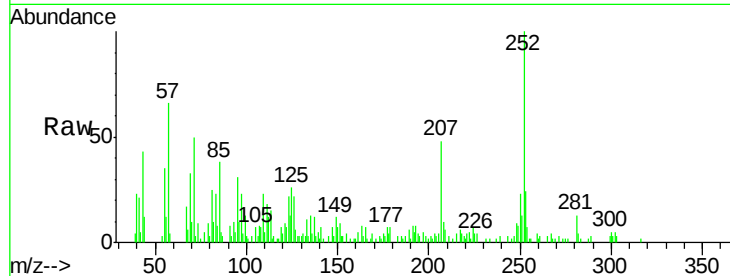
#86
Benzo(k)fluoranthene
Concen: 1.53 ng/ul m
RT: 24.14 min Scan# 3625
Delta R.T. -0.01 min
Lab File: BG022045.D
Acq: 23 May 2016 13:17

Instrument :
BNA_G
ClientSampleId :
JHGF6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	15.8	23.6#
125	25.8	10.6	16.0#

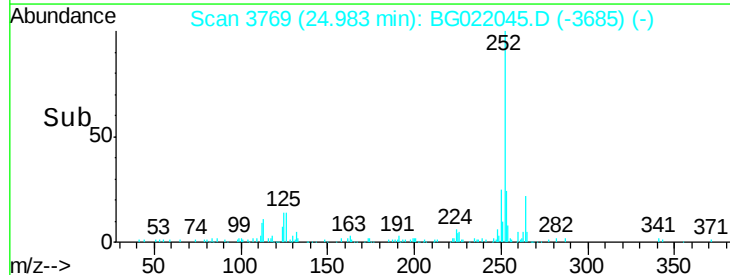
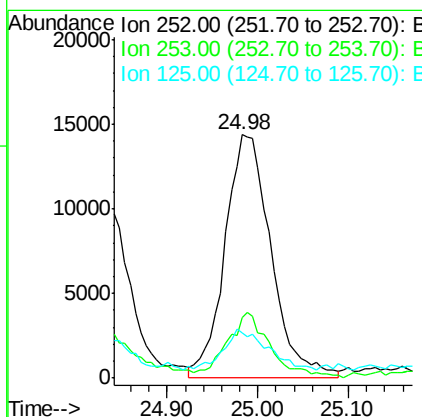
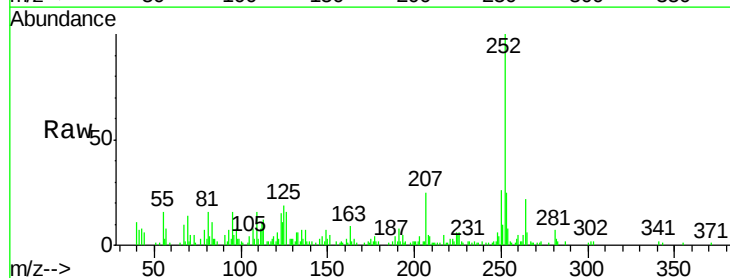
Manual Integrations
APPROVED

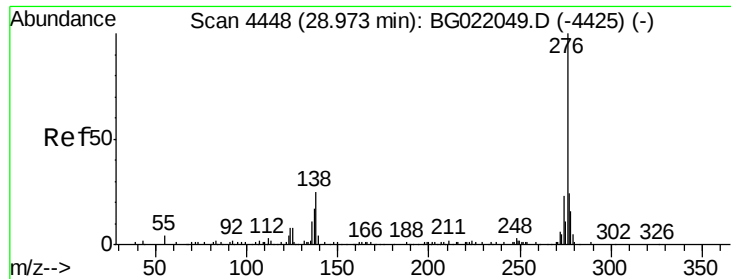
umangi
5/24/2016 7:36:58 PM



#88
Benzo(a)pyrene
Concen: 4.52 ng/ul
RT: 24.98 min Scan# 3769
Delta R.T. -0.00 min
Lab File: BG022045.D
Acq: 23 May 2016 13:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.0	28.4
125	18.6	12.0	18.0#





#89

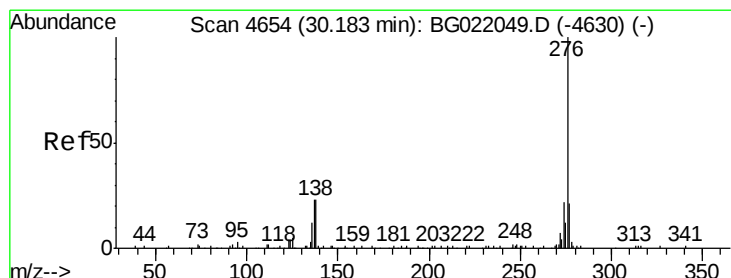
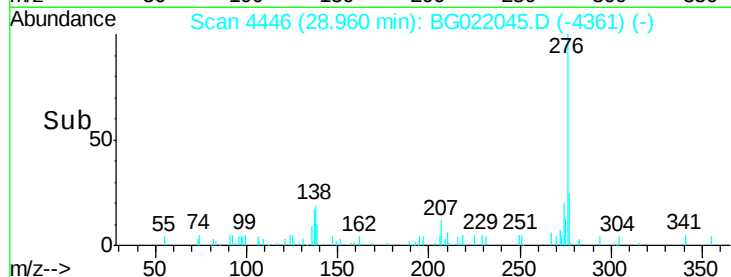
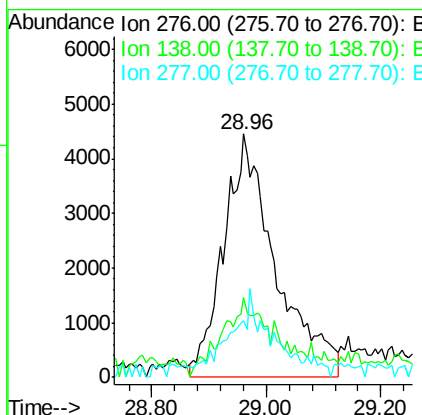
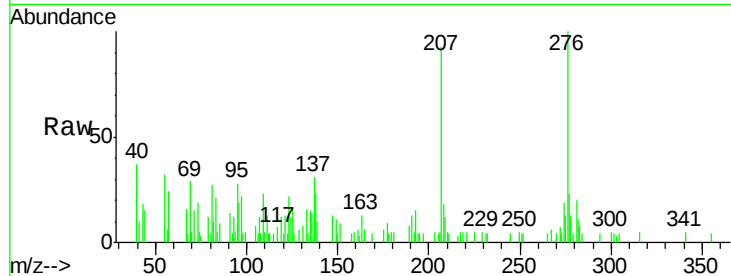
Indeno(1,2,3-cd)pyrene
Concen: 2.18 ng/ul m
RT: 28.96 min Scan# 4446
Delta R.T. 0.00 min
Lab File: BG022045.D
Acq: 23 May 2016 13:17

Instrument :
BNA_G
ClientSampleId :
JHGF6

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	28135		
138	23.2	20.8	31.2	
277	23.2	17.6	26.4	

Manual Integrations
APPROVED

umangi
5/24/2016 7:36:58 PM



#91

Benzo(g,h,i)perylene
Concen: 2.49 ng/ul m
RT: 30.14 min Scan# 4647
Delta R.T. -0.02 min
Lab File: BG022045.D
Acq: 23 May 2016 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	25704		
138	32.3	22.1	33.1	
277	26.8	17.0	25.4	

