

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
 Data File : BG022054.D
 Acq On : 23 May 2016 19:58
 Operator : UM/SJ
 Sample : H3124-22
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHGL5

Manual Integrations
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Quant Time: May 24 08:14:47 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 07:40:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42082	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	200211	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	103374	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	197340	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	191325	20.00	ng/ul	0.00
83) Perylene-d12	25.17	264	175360	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2929	3.63	ng/uL	0.00
5) Phenol-d5	7.32	99	65742	17.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	36805	18.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	60216	18.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	53948	16.73	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	28379	19.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	30058	18.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	52139	18.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	54442	17.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	148825	19.17	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	213952	19.73	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	13143	9.83	ng/ul	0.01
57) Fluorene-d10	15.78	176	139300	19.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.63	188	194281	20.51	ng/ul	0.00
76) Pyrene-d10	19.91	212	204786	18.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.94	264	172812	21.24	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	11.03	128	11395	1.12	ng/ul#	78
44) Dimethylphthalate	14.23	163	84920	10.88	ng/ul#	95
49) Acenaphthene	14.85	153	14936	1.96	ng/ul#	85
58) Fluorene	15.84	166	21246	2.67	ng/ul#	92
69) Phenanthrene	17.58	178	136088	12.40	ng/ul#	92
71) Anthracene	17.67	178	17625	1.59	ng/ul#	74
74) Fluoranthene	19.58	202	150562	13.42	ng/ul	98
77) Pyrene	19.94	202	216564	16.09	ng/ul	99
80) Benzo(a)anthracene	21.80	228	62405	5.56	ng/ul#	80
82) Chrysene	21.86	228	71299	6.62	ng/ul#	87
85) Benzo(b)fluoranthene	24.11	252	53777	5.24	ng/ul#	47
86) Benzo(k)fluoranthene	24.16	252	19630m	1.97	ng/ul	
88) Benzo(a)pyrene	25.01	252	50858	5.14	ng/ul#	74
89) Indeno(1,2,3-cd)pyrene	29.01	276	25797m	2.27	ng/ul	
91) Benzo(g,h,i)perylene	30.20	276	23801m	2.62	ng/ul	

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

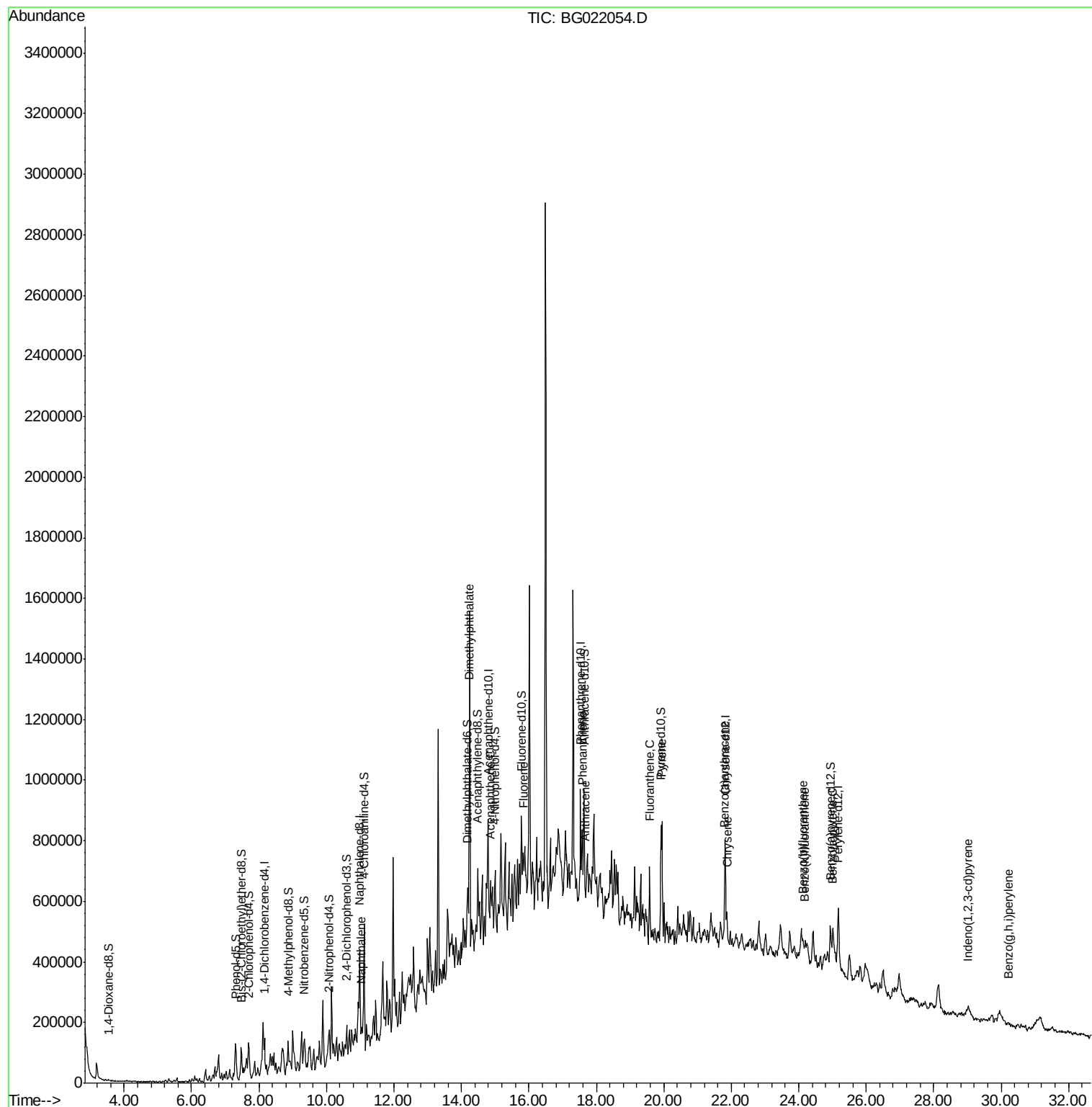
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022054.D
Acq On : 23 May 2016 19:58
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ALS Vial : 13 Sample Multiplier: 1

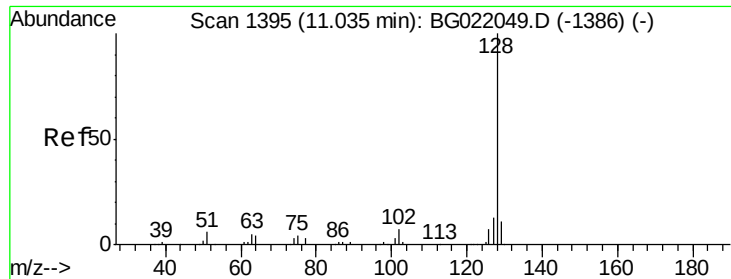
Instrument :
BNA_G
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JHGL5

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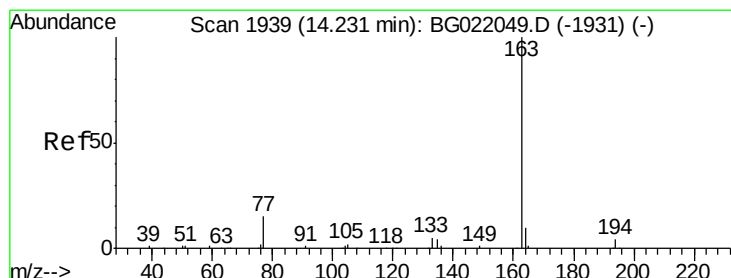
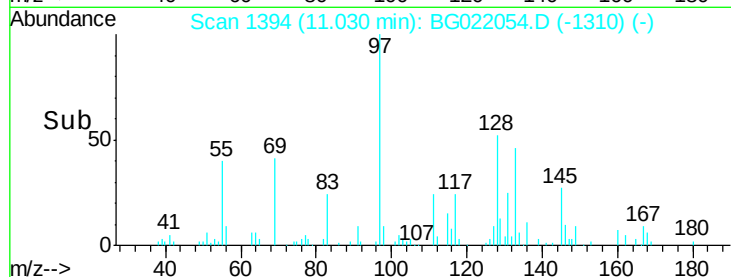
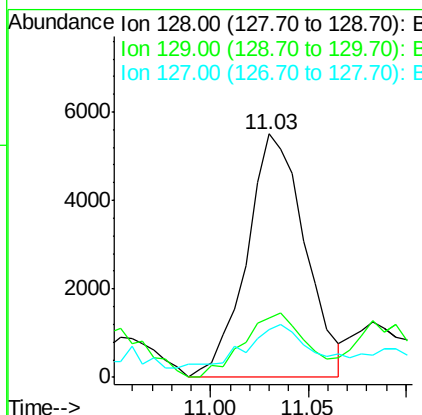
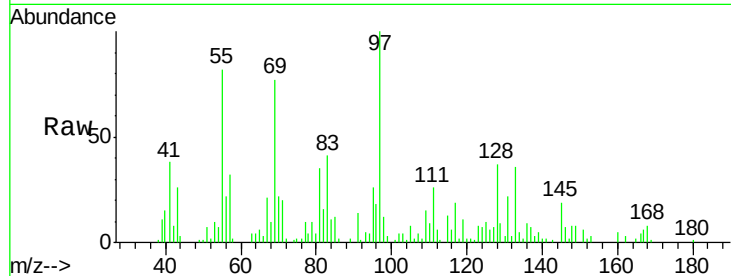
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Naphthalene
Concen: 1.12 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022054.D
Acq: 23 May 2016 19:58

Instrument :
BNA_G
ClientSampleId :
JHGL5

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	24.1	9.4	14.2#
127	19.8	11.2	16.8#

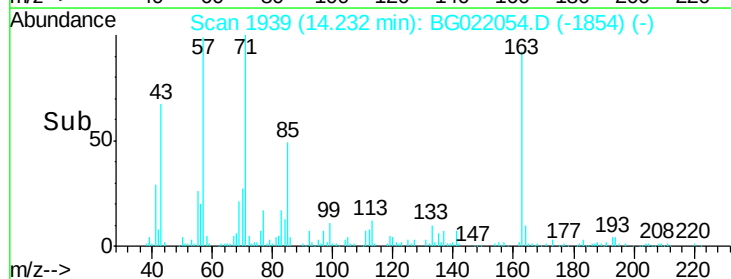
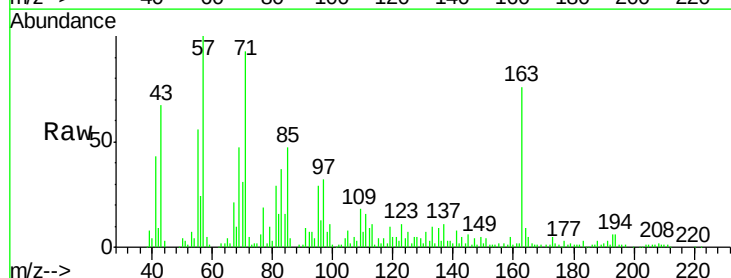
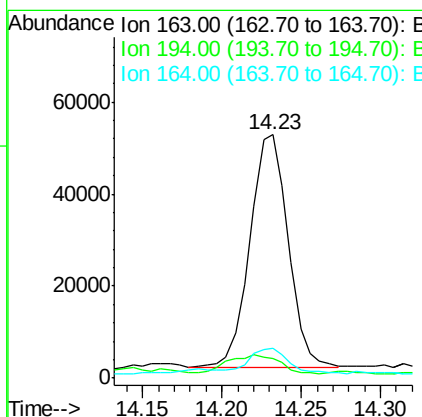
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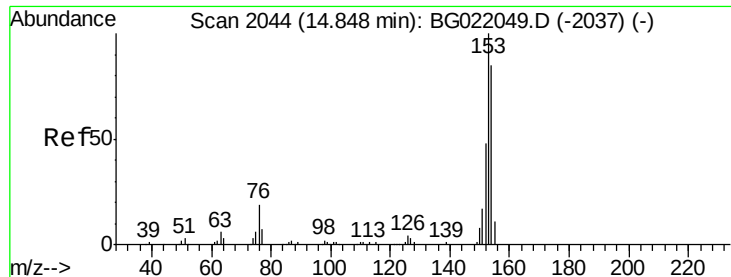
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#44
Dimethylphthalate
Concen: 10.88 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BG022054.D
Acq: 23 May 2016 19:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	8.0	3.4	5.2#
164	12.1	8.8	13.2





#49

Acenaphthene

Concen: 1.96 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

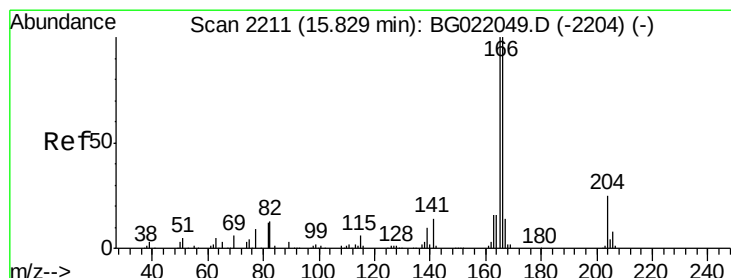
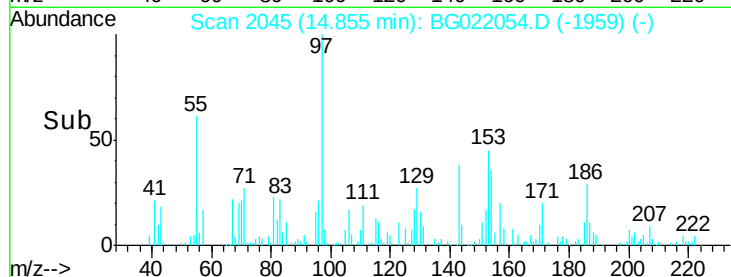
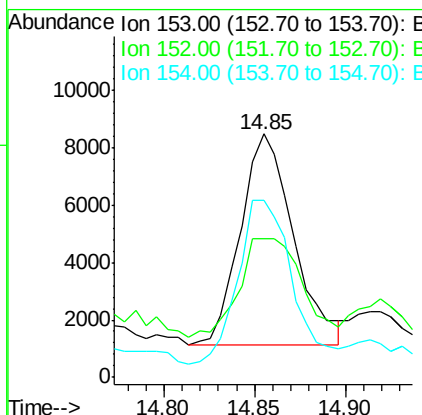
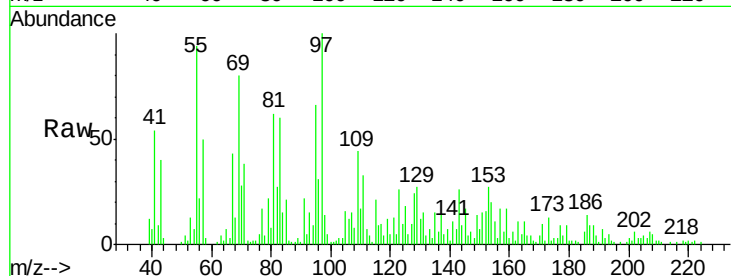
ClientSampled :

JHGL5

Tgt Ion:	153	Resp:	14936
Ion Ratio	Lower	Upper	
153	100		
152	57.1	37.3	55.9#
154	72.6	68.2	102.2

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#58

Fluorene

Concen: 2.67 ng/ul

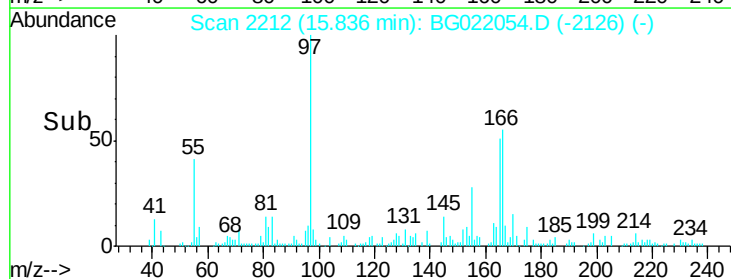
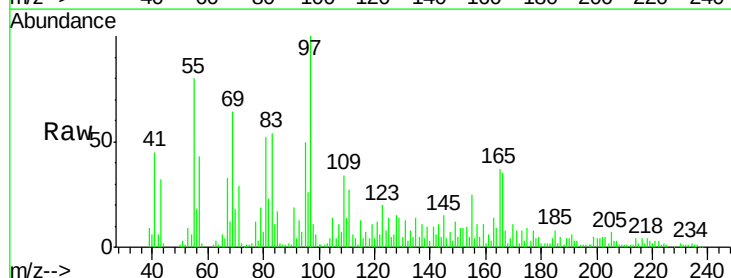
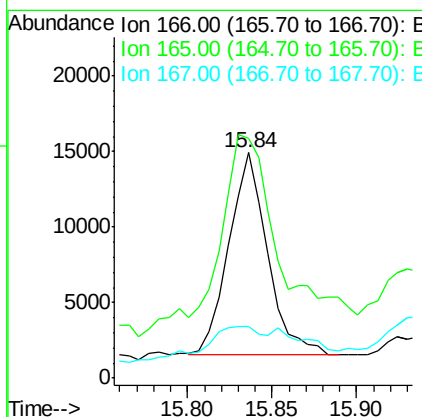
RT: 15.84 min Scan# 2212

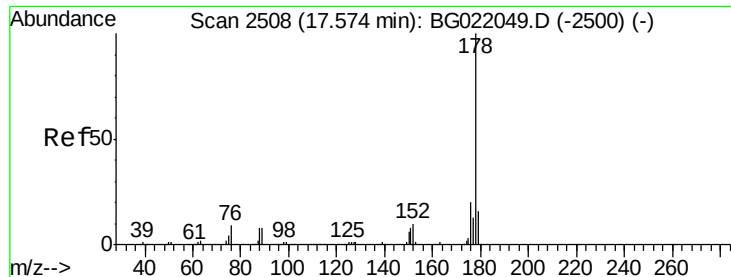
Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Tgt Ion:	166	Resp:	21246
Ion Ratio	Lower	Upper	
166	100		
165	106.3	80.3	120.5
167	23.1	10.3	15.5#





#69

Phenanthrene

Concen: 12.40 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

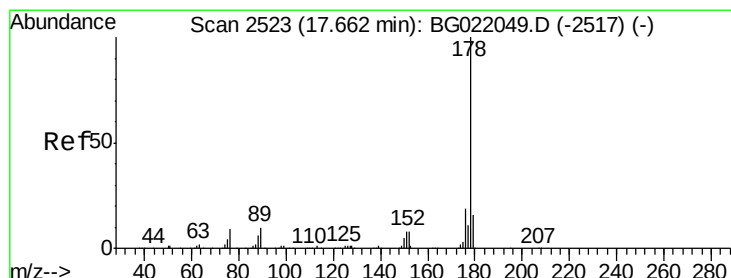
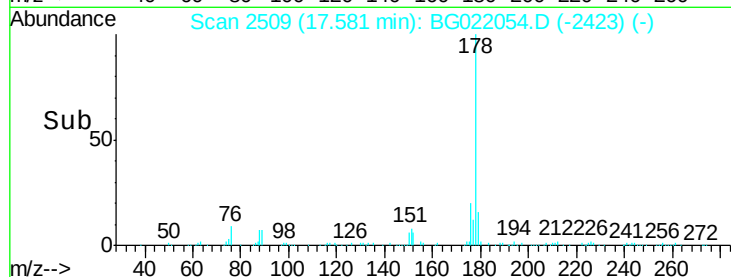
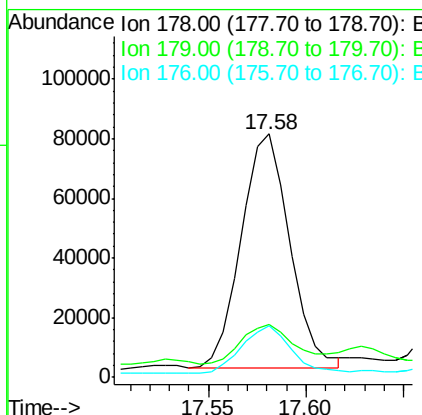
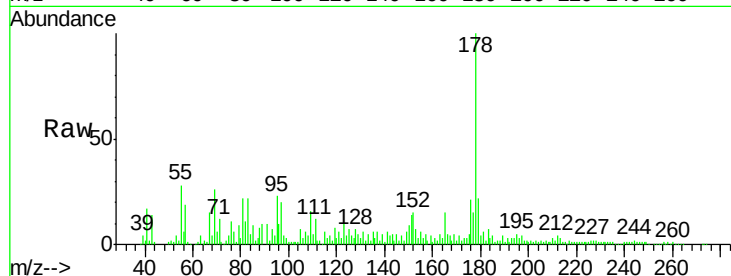
ClientSampled :

JHGL5

Tgt Ion:	178	Resp:	136088
Ion Ratio	Lower	Upper	
178	100		
179	21.9	12.9	19.3#
176	21.3	15.8	23.8

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#71

Anthracene

Concen: 1.59 ng/ul

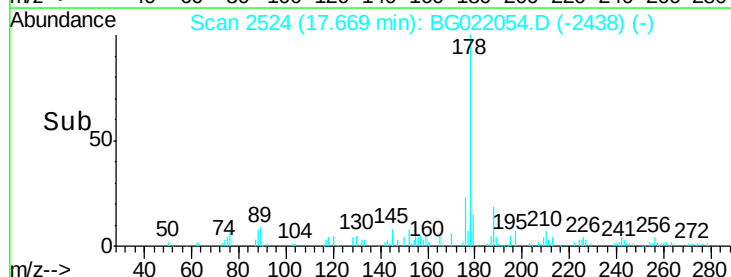
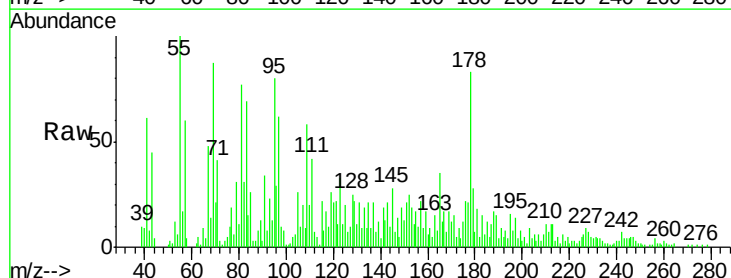
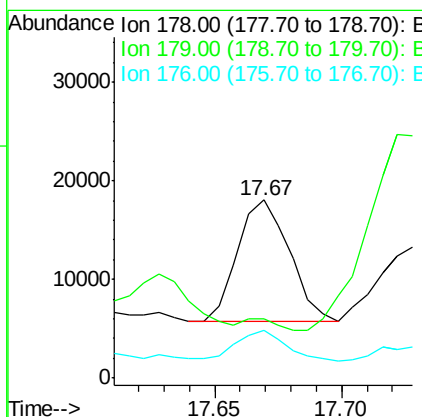
RT: 17.67 min Scan# 2524

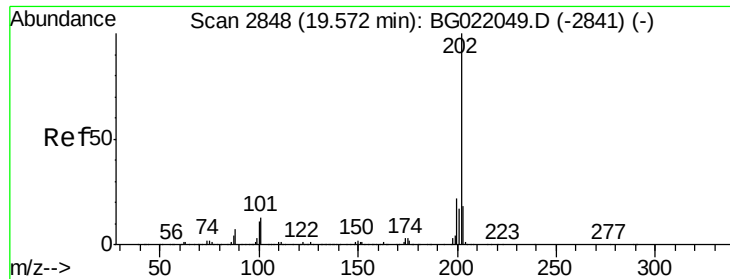
Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Tgt Ion:	178	Resp:	17625
Ion Ratio	Lower	Upper	
178	100		
179	33.2	12.3	18.5#
176	26.8	16.3	24.5#





#74

Fluoranthene

Concen: 13.42 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

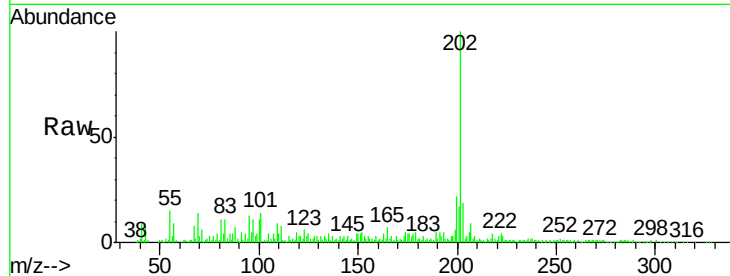
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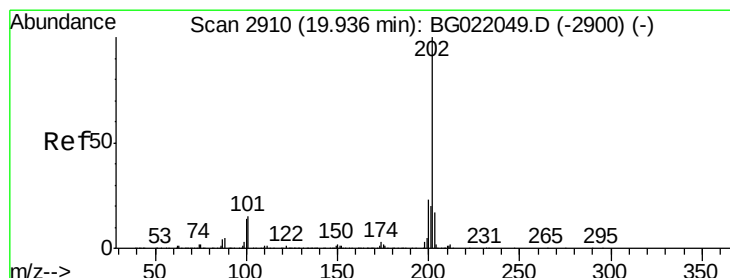
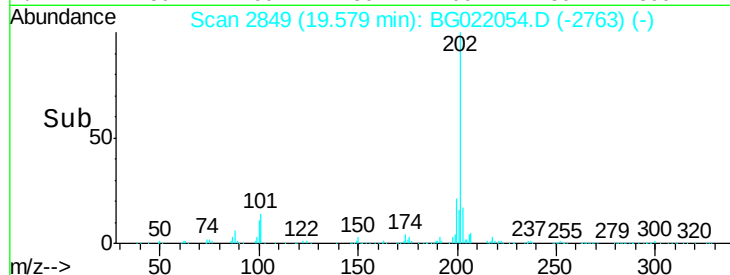
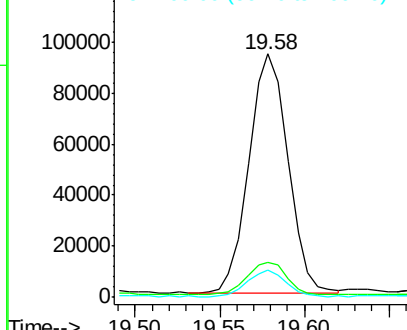
Tgt	Ion	202	Resp:	150562
Ion	Ratio	Lower	Upper	
202	100			
101	14.2	10.6	16.0	
100	11.1	8.7	13.1	

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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



#77

Pyrene

Concen: 16.09 ng/ul

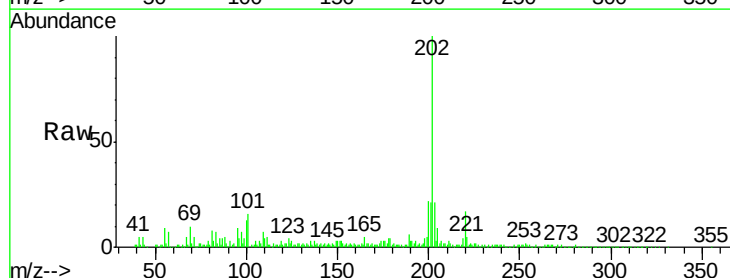
RT: 19.94 min Scan# 2911

Delta R.T. 0.01 min

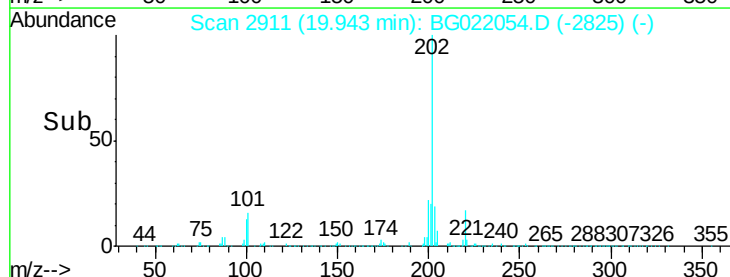
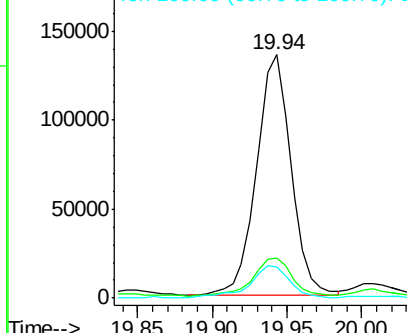
Lab File: BG022054.D

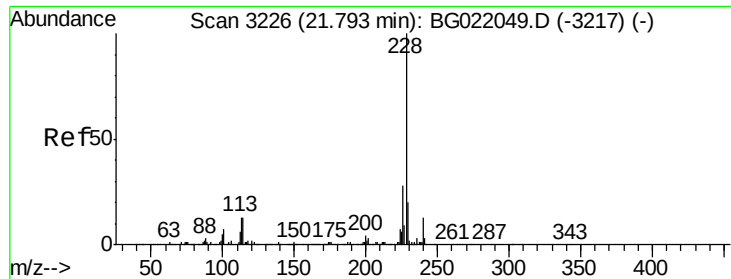
Acq: 23 May 2016 19:58

Tgt	Ion	202	Resp:	216564
Ion	Ratio	Lower	Upper	
202	100			
101	16.3	12.5	18.7	
100	12.8	10.2	15.4	



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





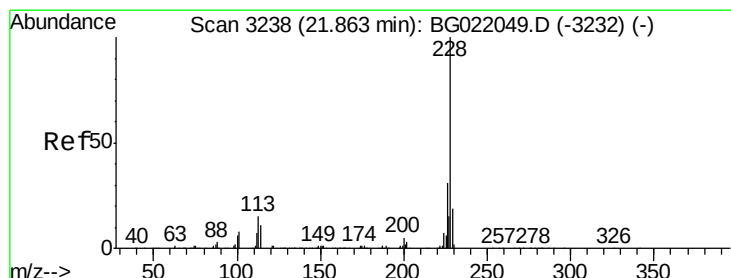
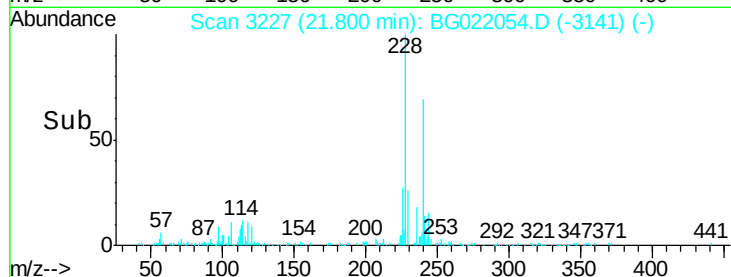
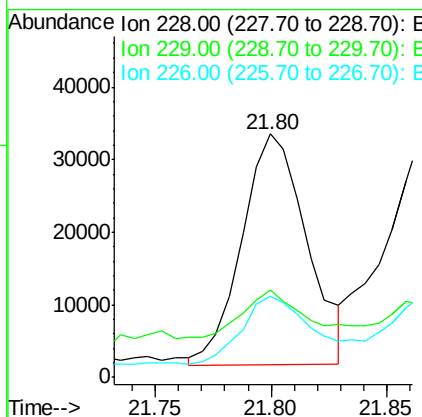
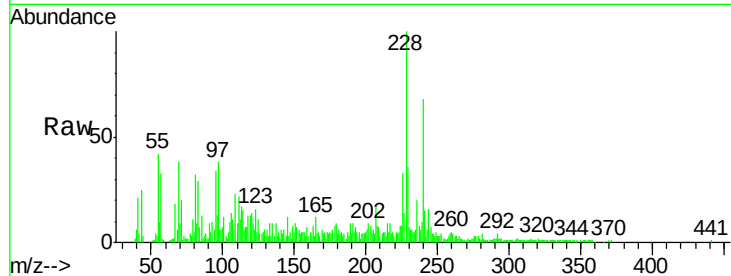
#80
Benzo(a)anthracene
Concen: 5.56 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.01 min
Lab File: BG022054.D
Acq: 23 May 2016 19:58

Instrument :
BNA_G
ClientSampleId :
JHGL5

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	62405		
229	35.9	15.4	23.2#	
226	33.2	22.8	34.2	

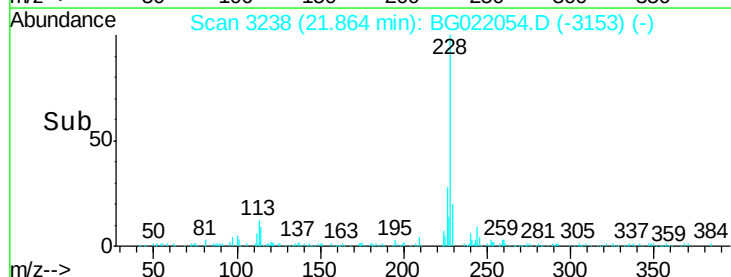
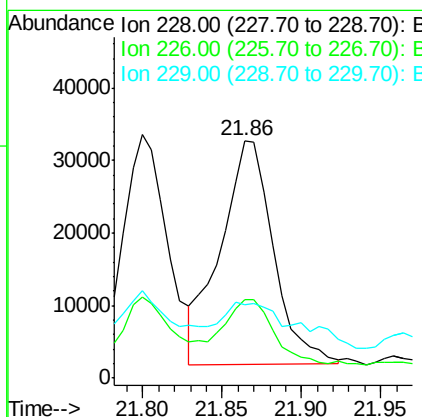
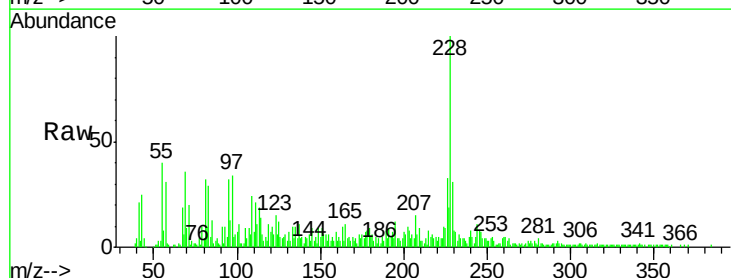
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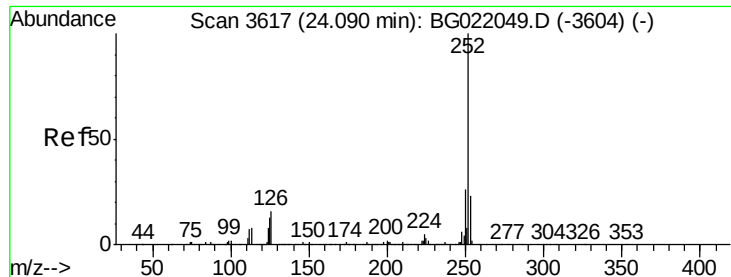
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#82
Chrysene
Concen: 6.62 ng/ul
RT: 21.86 min Scan# 3238
Delta R.T. 0.00 min
Lab File: BG022054.D
Acq: 23 May 2016 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	71299		
226	33.1	24.2	36.4	
229	30.7	15.0	22.6#	





#85

Benzo(b)fluoranthene

Concen: 5.24 ng/ul

RT: 24.11 min Scan# 3621

Delta R.T. 0.02 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

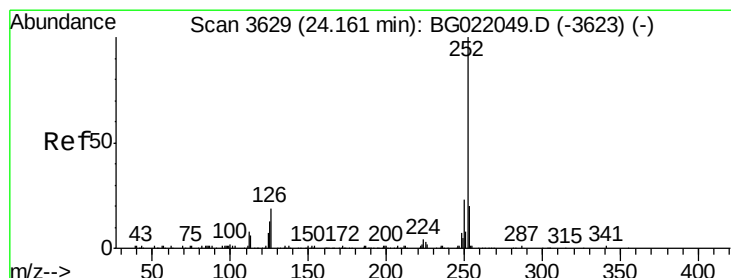
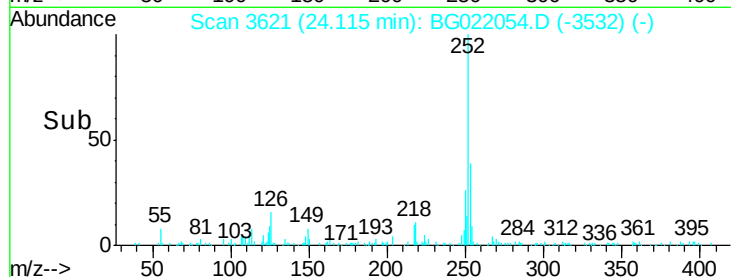
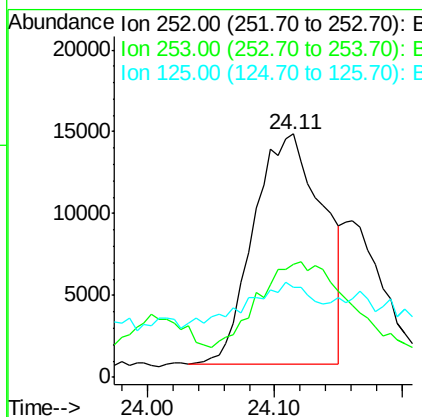
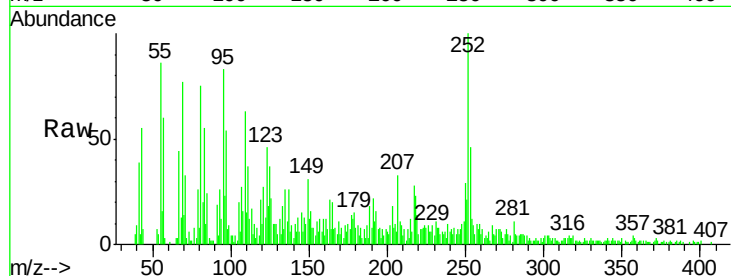
ClientSampleId :

JHGL5

Tgt Ion:	252	Resp:	53777
Ion Ratio	Lower	Upper	
252	100		
253	46.3	18.2	27.2#
125	37.1	10.8	16.2#

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#86

Benzo(k)fluoranthene

Concen: 1.97 ng/ul m

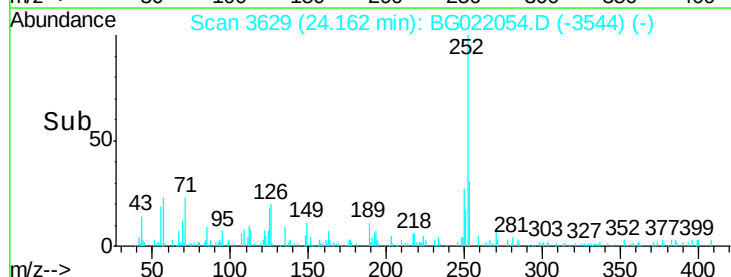
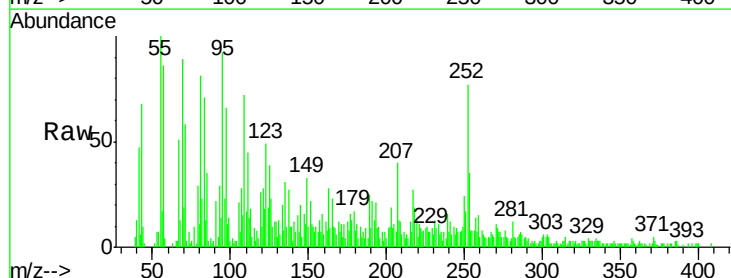
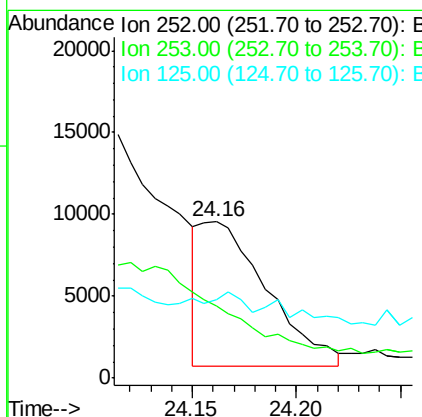
RT: 24.16 min Scan# 3629

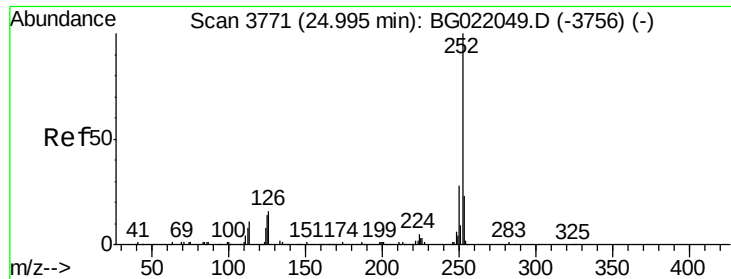
Delta R.T. 0.00 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Tgt Ion:	252	Resp:	19630
Ion Ratio	Lower	Upper	
252	100		
253	45.8	15.8	23.6#
125	50.6	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 5.14 ng/ul

RT: 25.01 min Scan# 3774

Delta R.T. 0.02 min

Lab File: BG022054.D

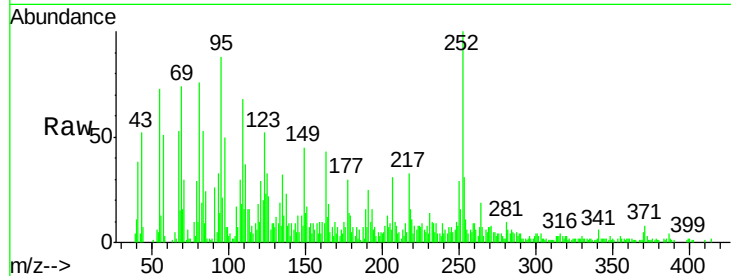
Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

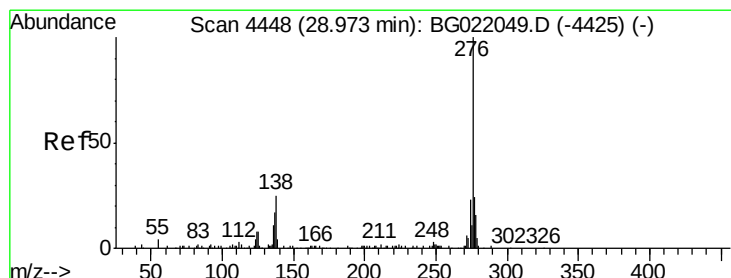
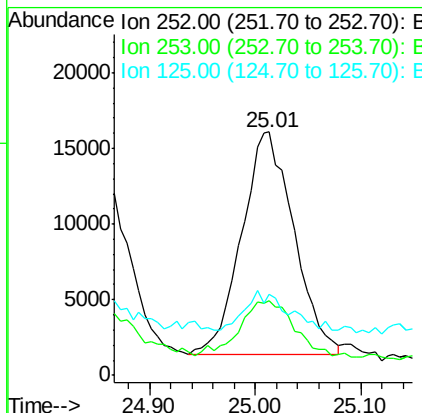
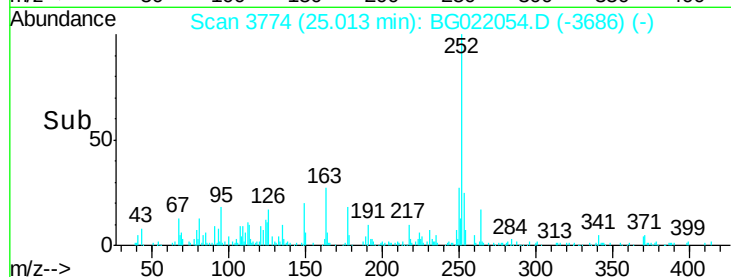
JHGL5



Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	19.0	28.4#
125	33.3	12.0	18.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng/ul m

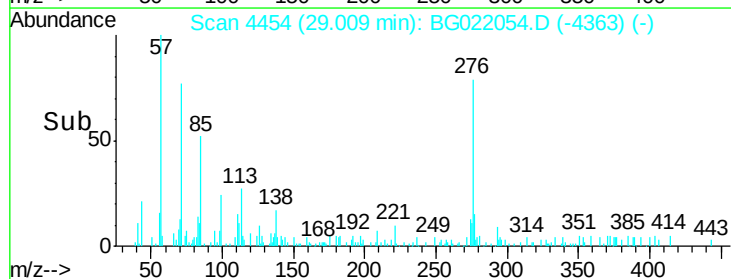
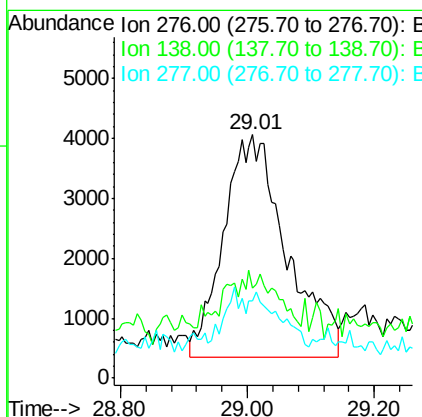
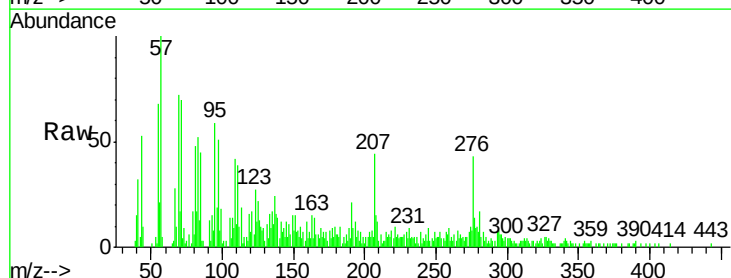
RT: 29.01 min Scan# 4454

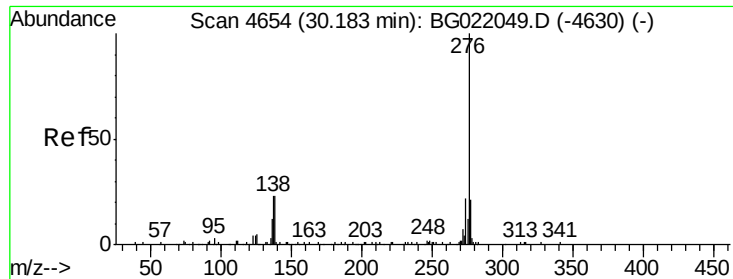
Delta R.T. 0.04 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	37.1	20.8	31.2#
277	31.8	17.6	26.4#





#91
 Benzo(g,h,i)perylene
 Concen: 2.62 ng/ul m
 RT: 30.20 min Scan# 4657
 Delta R.T. 0.02 min
 Lab File: BG022054.D
 Acq: 23 May 2016 19:58

Instrument :
 BNA_G
 ClientSampleId :
 JHGL5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	37.3	22.1	33.1#
277	33.1	17.0	25.4#

Manual Integrations
 APPROVED

umangi
 5/24/2016 7:37:20 PM

