

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021882.D
 Acq On : 12 May 2016 23:56
 Operator : UM/SJ
 Sample : H2936-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK9

Manual Integrations
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Quant Time: May 13 08:04:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	40122	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	240198	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	169279	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	363287	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	359527	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	363268	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.56	96	5029	6.05	ng/uL	0.00
5) Phenol-d5	7.32	99	120032	40.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	56694	38.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	108582	46.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	107368	42.94	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	57426	36.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	61149	61.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	112462m	39.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	101460	33.39	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	351178	29.54	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	472228	27.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	63307m	31.06	ng/ul	0.00
58) Fluorene-d10	15.78	176	321516	25.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	33759	33.55	ng/ul	0.00
71) Anthracene-d10	17.64	188	443572	25.08	ng/ul	0.00
77) Pyrene-d10	19.91	212	470921	27.98	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	448442	25.98	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	14.24	163	67979	5.61	ng/ul	98
70) Phenanthrene	17.58	178	158439	7.98	ng/ul	99
75) Fluoranthene	19.58	202	188114	8.34	ng/ul	98
78) Pyrene	19.94	202	130106	6.25	ng/ul	95
81) Benzo(a)anthracene	21.81	228	27104m	1.35	ng/ul	
82) Bis(2-ethylhexyl)phthalate	21.69	149	12643	1.68	ng/ul#	88
83) Chrysene	21.87	228	72459	3.66	ng/ul	97
86) Benzo(b)fluoranthene	24.10	252	86892	4.18	ng/ul#	94
87) Benzo(k)fluoranthene	24.16	252	37496m	1.68	ng/ul	
89) Benzo(a)pyrene	25.00	252	40925	1.98	ng/ul#	95
90) Indeno(1,2,3-cd)pyrene	28.98	276	43195m	1.76	ng/ul	
92) Benzo(g,h,i)perylene	30.17	276	35062m	1.73	ng/ul	

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

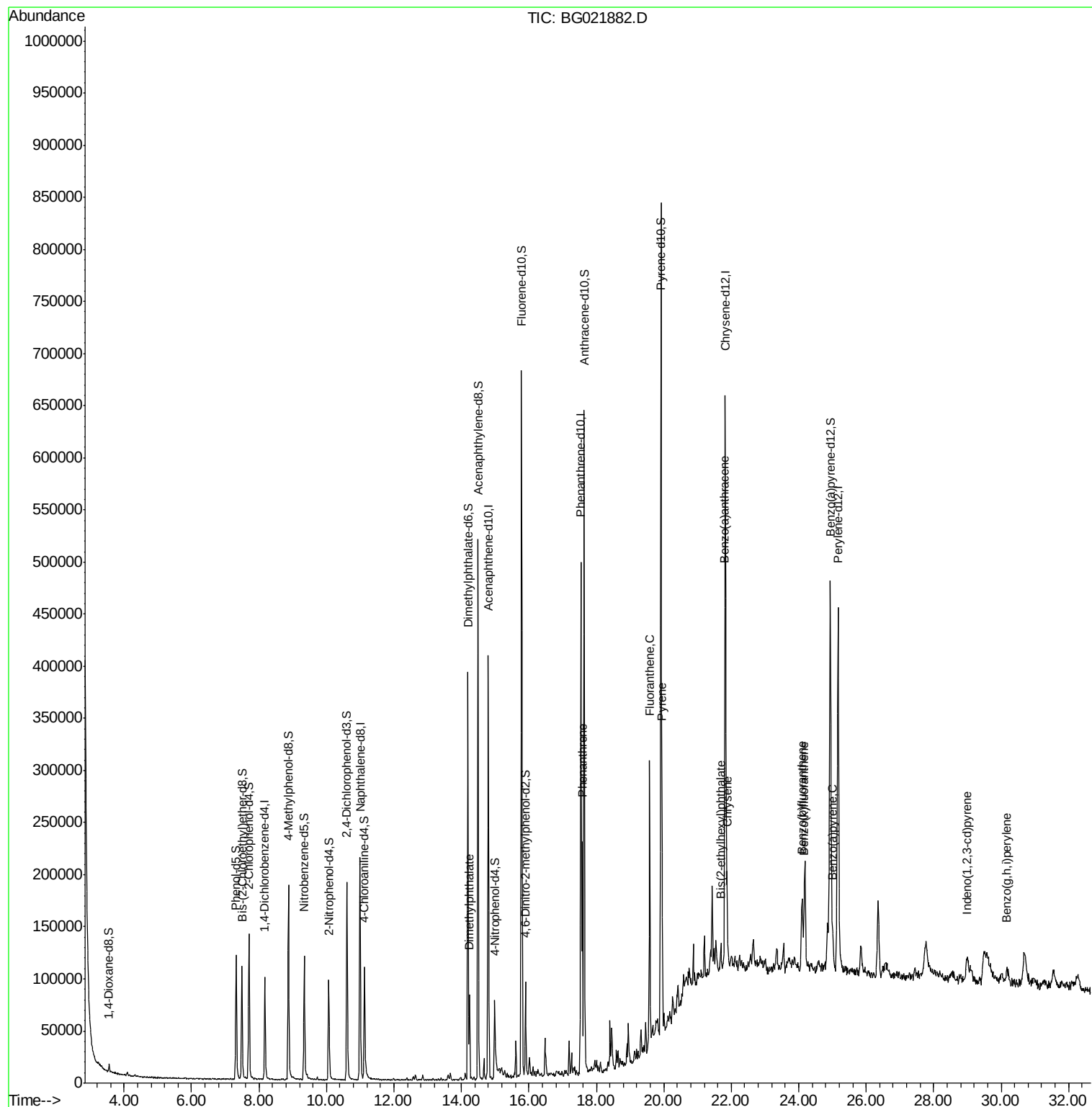
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021882.D
Acq On : 12 May 2016 23:56
Operator : UM/SJ
Sample : H2936-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

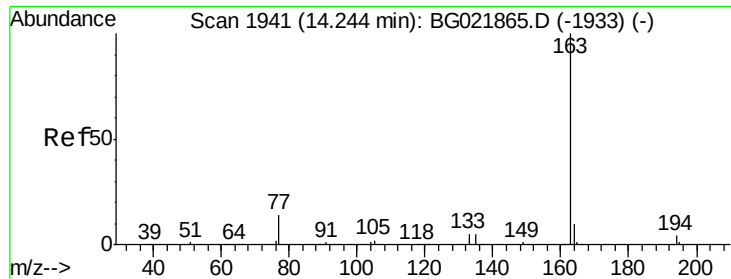
Instrument :
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





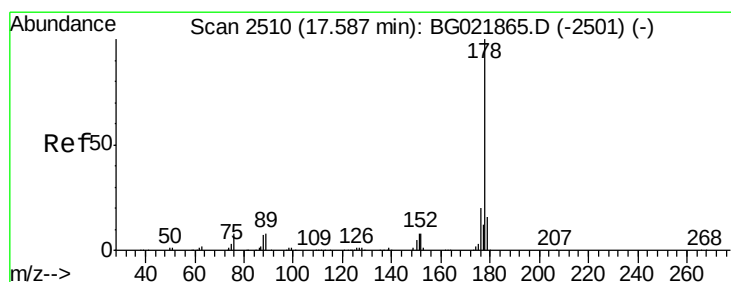
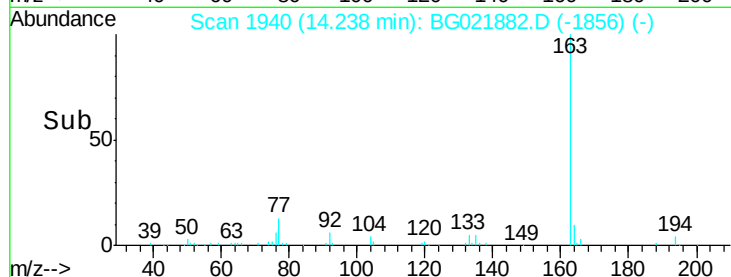
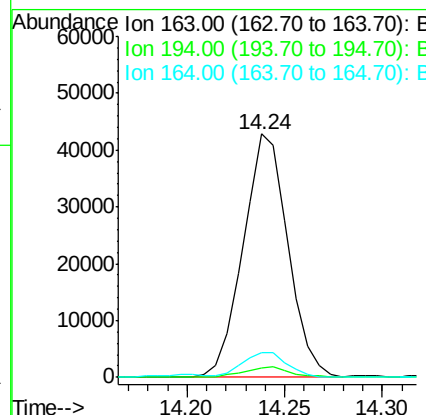
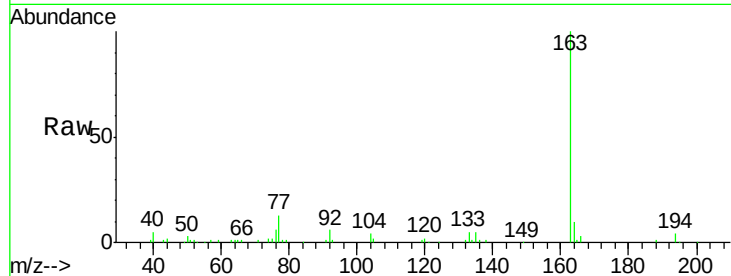
#45
Dimethylphthalate
Concen: 5.61 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG021882.D
Acq: 12 May 2016 23:56

Instrument :
BNA_G
ClientSampleId :
D9WK9

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.9	5.9
164	10.1	8.7	13.1

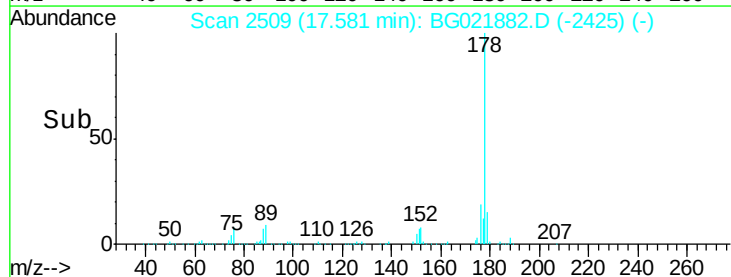
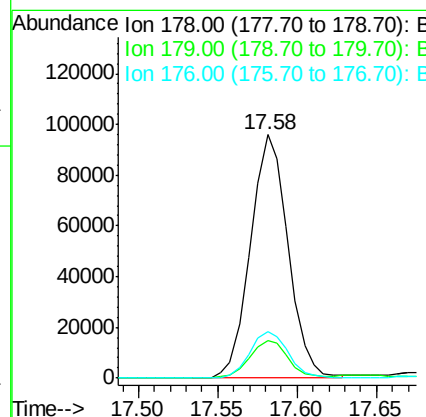
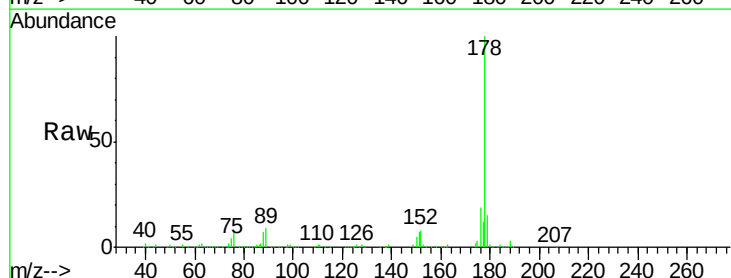
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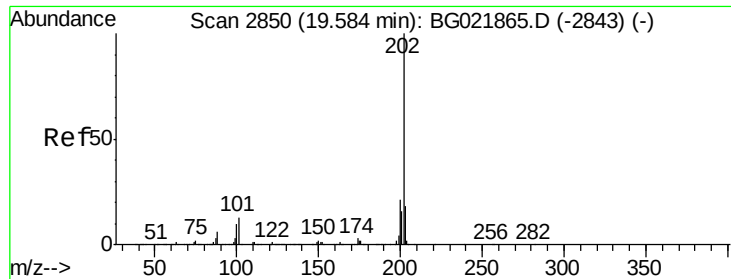
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#70
Phenanthrene
Concen: 7.98 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BG021882.D
Acq: 12 May 2016 23:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	15.5	11.8	17.8
176	19.0	14.8	22.2





#75

Fluoranthene

Concen: 8.34 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG021882.D

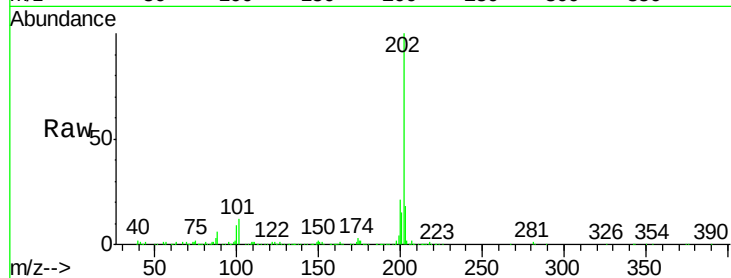
Acq: 12 May 2016 23:56

Instrument :

BNA_G

ClientSampleId :

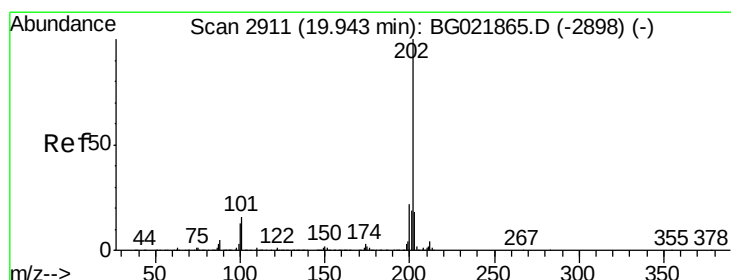
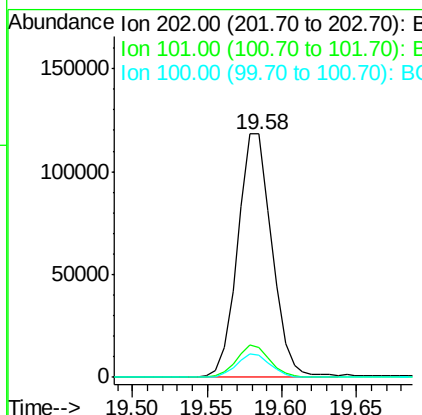
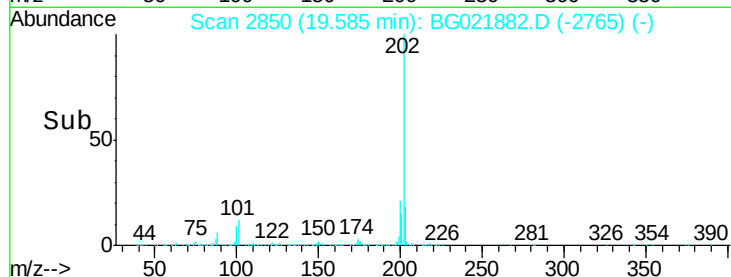
D9WK9



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.2	8.9	13.3
100	9.1	7.0	10.4

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#78

Pyrene

Concen: 6.25 ng/ul

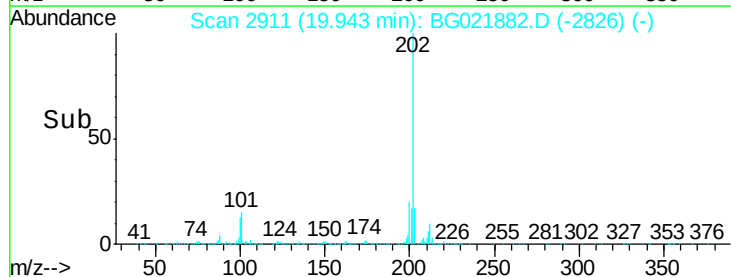
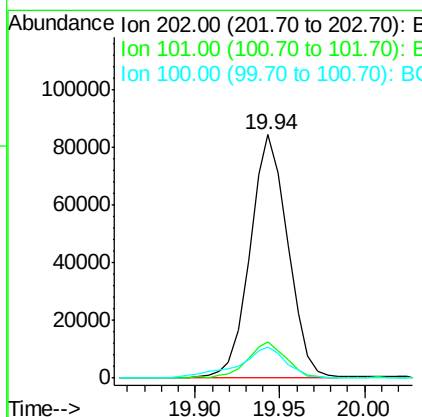
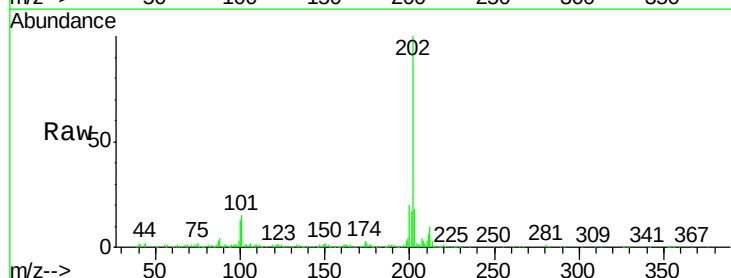
RT: 19.94 min Scan# 2911

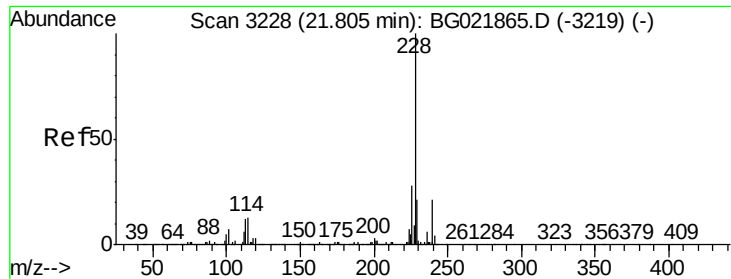
Delta R.T. 0.00 min

Lab File: BG021882.D

Acq: 12 May 2016 23:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.7	9.8	14.8
100	12.9	9.3	13.9





#81

Benzo(a)anthracene

Concen: 1.35 ng/ul m

RT: 21.81 min Scan# 3228

Delta R.T. 0.00 min

Lab File: BG021882.D

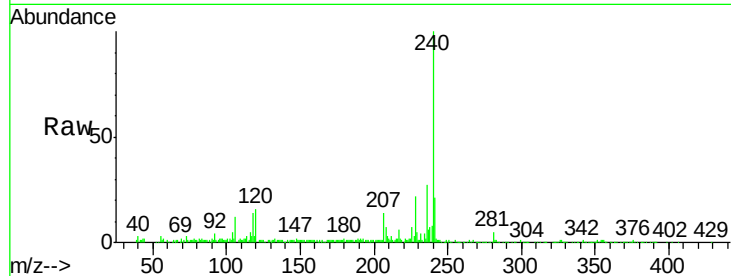
Acq: 12 May 2016 23:56

Instrument :

BNA_G

ClientSampleId :

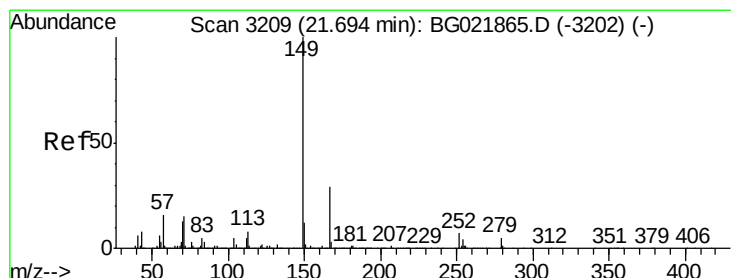
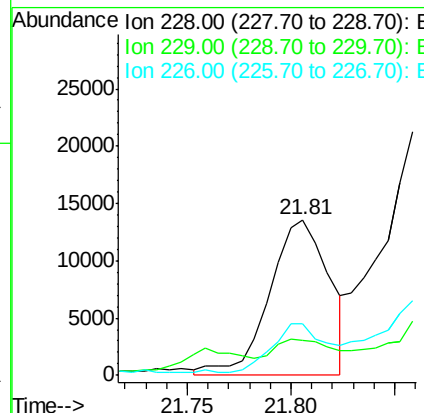
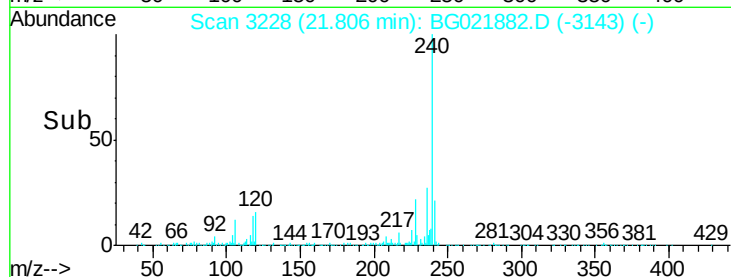
D9WK9



Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.8	16.6	25.0
226	33.0	21.0	31.4#

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#82

Bis(2-ethylhexyl)phthalate

Concen: 1.68 ng/ul

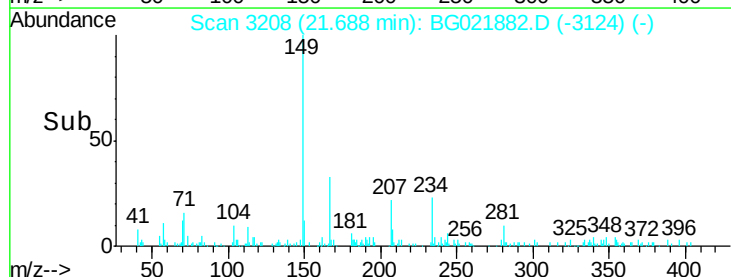
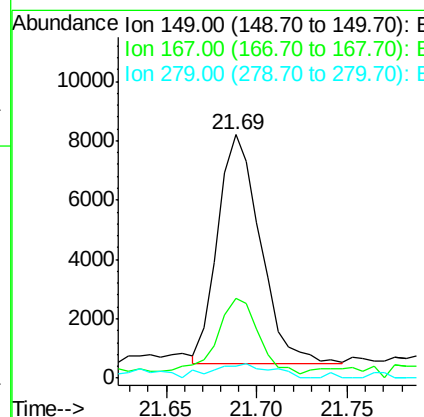
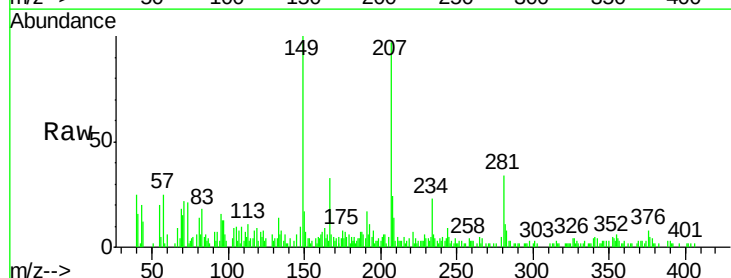
RT: 21.69 min Scan# 3208

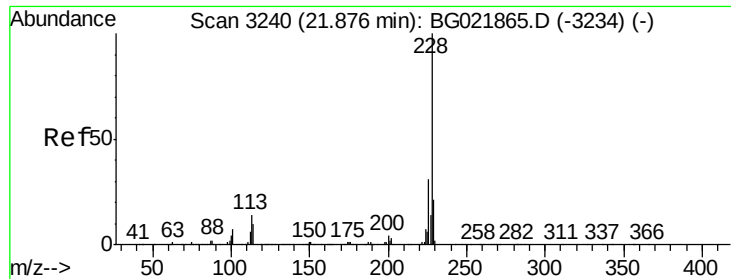
Delta R.T. -0.01 min

Lab File: BG021882.D

Acq: 12 May 2016 23:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.7	20.5	30.7#
279	5.1	3.7	5.5





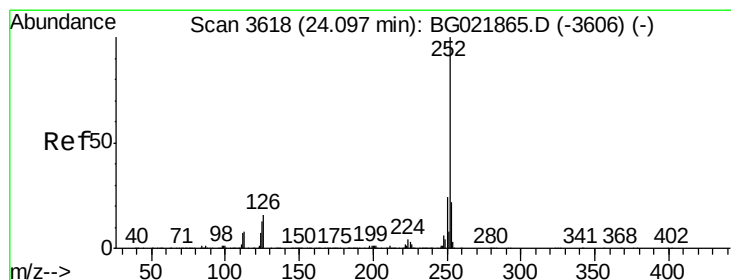
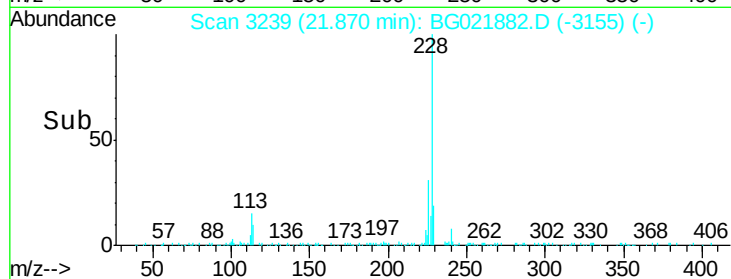
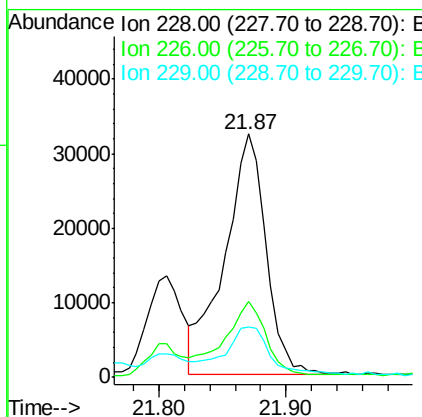
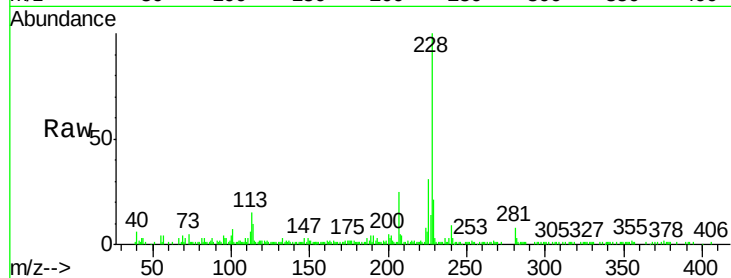
#83
Chrysene
Concen: 3.66 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. -0.01 min
Lab File: BG021882.D
Acq: 12 May 2016 23:56

Instrument :
BNA_G
ClientSampleId :
D9WK9

Tgt Ion:	228	Resp:	72459
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.4	35.2
229	20.9	16.2	24.2

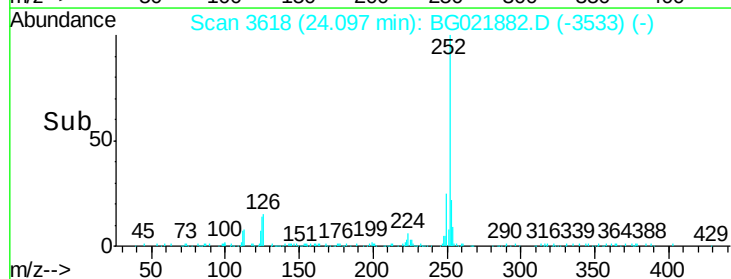
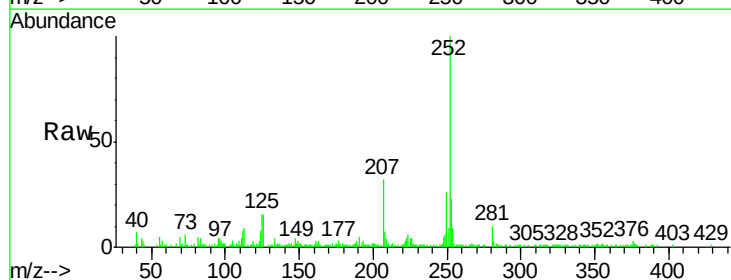
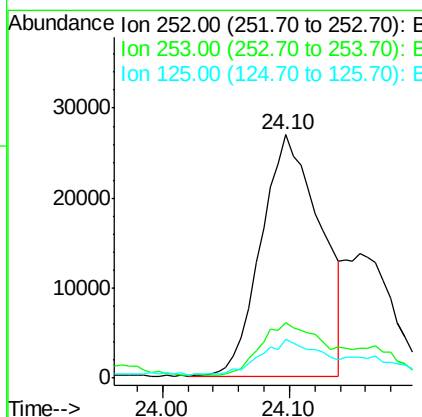
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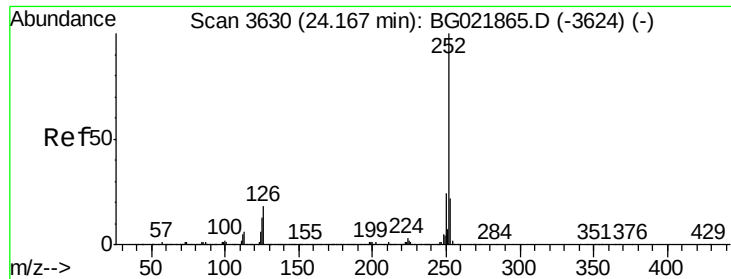
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#86
Benzo(b)fluoranthene
Concen: 4.18 ng/ul
RT: 24.10 min Scan# 3618
Delta R.T. 0.00 min
Lab File: BG021882.D
Acq: 12 May 2016 23:56

Tgt Ion:	252	Resp:	86892
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	15.9	7.6	11.4#





#87

Benzo(k)fluoranthene

Concen: 1.68 ng/ul m

RT: 24.16 min Scan# 3628

Delta R.T. -0.01 min

Lab File: BG021882.D

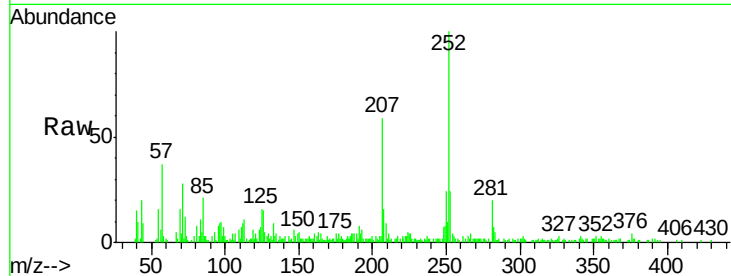
Acq: 12 May 2016 23:56

Instrument :

BNA_G

ClientSampled :

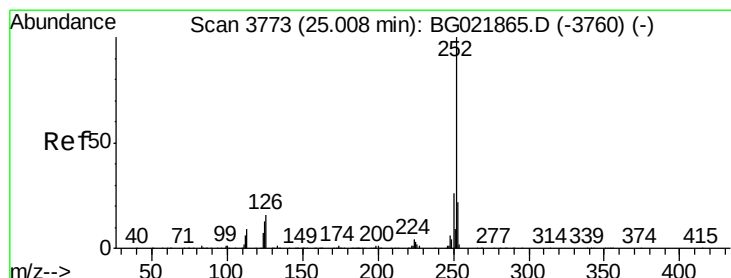
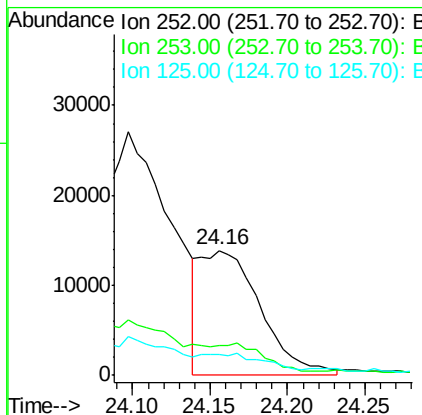
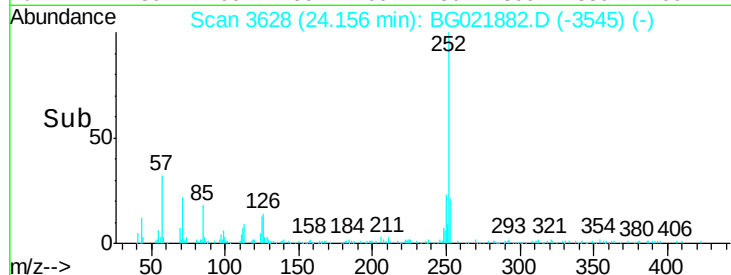
D9WK9



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	16.4	7.7	11.5#

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#89

Benzo(a)pyrene

Concen: 1.98 ng/ul

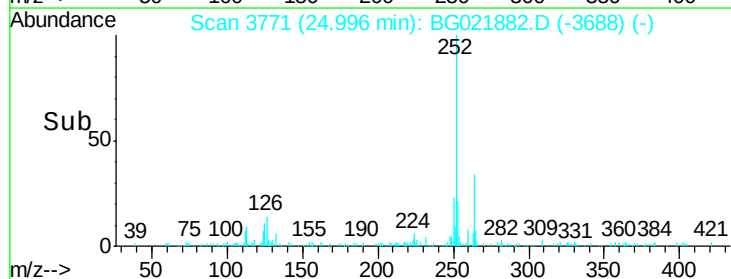
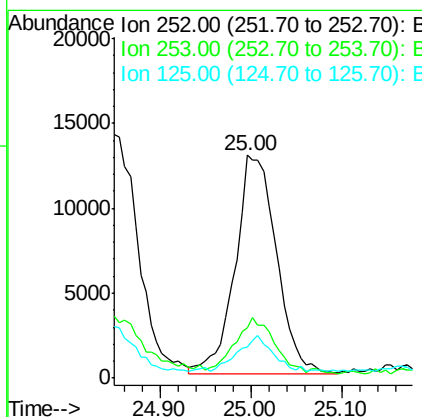
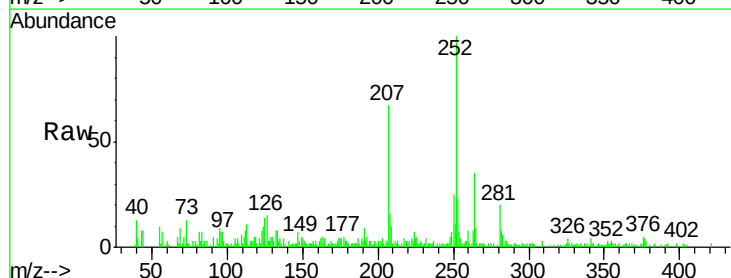
RT: 25.00 min Scan# 3771

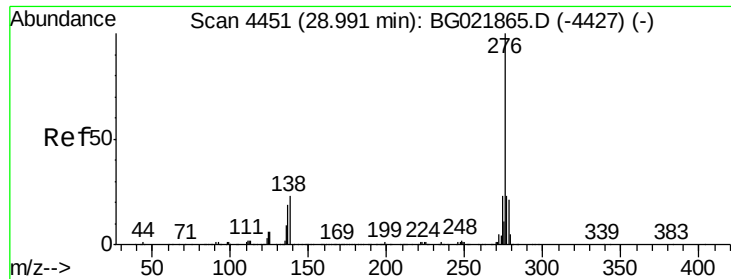
Delta R.T. -0.01 min

Lab File: BG021882.D

Acq: 12 May 2016 23:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	14.0	8.2	12.2#





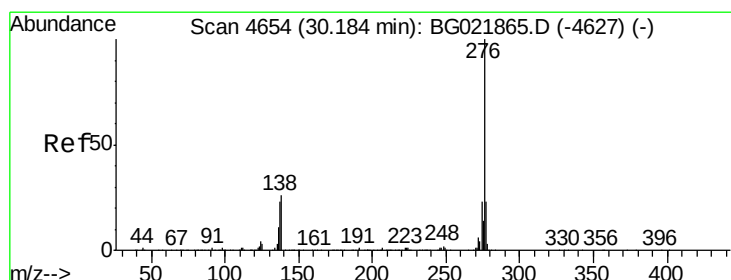
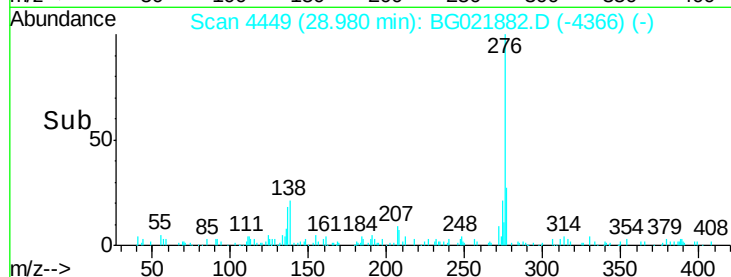
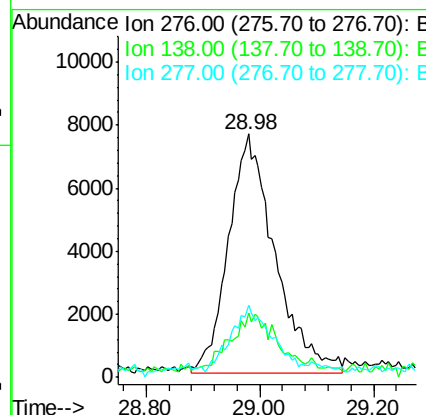
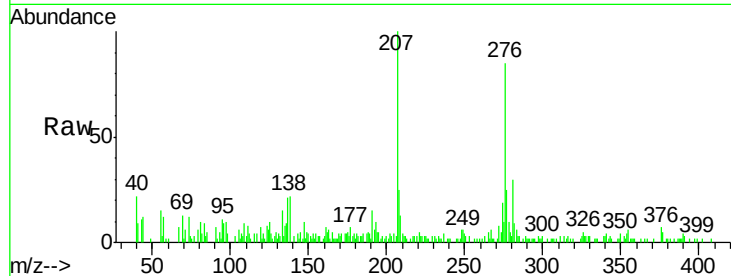
#90
 Indeno(1,2,3-cd)pyrene
 Concen: 1.76 ng/ul m
 RT: 28.98 min Scan# 4449
 Delta R.T. -0.01 min
 Lab File: BG021882.D
 Acq: 12 May 2016 23:56

Instrument :
 BNA_G
 ClientSampled :
 D9WK9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	15.8	23.6#
277	29.4	19.0	28.6#

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#92
 Benzo(g,h,i)perylene
 Concen: 1.73 ng/ul m
 RT: 30.17 min Scan# 4652
 Delta R.T. -0.01 min
 Lab File: BG021882.D
 Acq: 12 May 2016 23:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	13.9	20.9#
277	27.0	19.8	29.6

