

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021870.D
 Acq On : 12 May 2016 15:53
 Operator : UM/SJ
 Sample : H2936-09DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 D9WJ8DL

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Quant Time: May 13 05:53:29 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	47303	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	261252	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	174313	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	380523	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	375540	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	387030	20.00	ng/ul	0.00

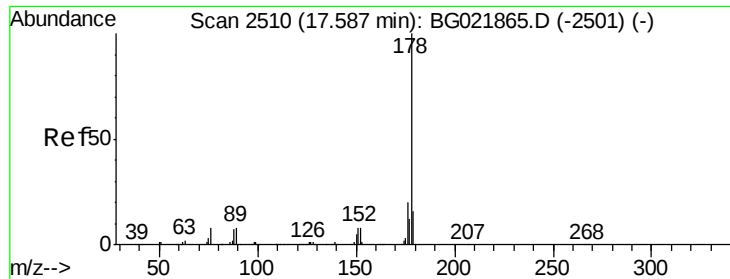
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	806	0.82	ng/uL	0.00
5) Phenol-d5	7.33	99	16445	4.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	7278	4.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	18626	6.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	17384m	5.90	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	7026	4.09	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	9048m	8.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.61	165	20664m	6.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	16342m	4.95	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	66434	5.43	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	85925	4.94	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.78	176	59594	4.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.64	188	91332	4.93	ng/ul	0.00
77) Pyrene-d10	19.91	212	91925	5.23	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	85721	4.66	ng/ul	0.00

Target Compounds

					Qvalue
70) Phenanthrene	17.58	178	122157	5.87 ng/ul	98
72) Anthracene	17.67	178	22162	1.05 ng/ul	97
73) Carbazole	17.94	167	30941m	1.69 ng/ul	
75) Fluoranthene	19.58	202	437867	18.53 ng/ul	95
78) Pyrene	19.94	202	451900m	20.80 ng/ul	
81) Benzo(a)anthracene	21.81	228	448899	21.48 ng/ul	96
82) Bis(2-ethylhexyl)phthalate	21.69	149	66144	8.44 ng/ul#	97
83) Chrysene	21.88	228	510280	24.68 ng/ul	95
86) Benzo(b)fluoranthene	24.11	252	1169725	52.80 ng/ul#	93
87) Benzo(k)fluoranthene	24.17	252	363499m	15.33 ng/ul	
89) Benzo(a)pyrene	25.02	252	858878	38.95 ng/ul#	94
90) Indeno(1,2,3-cd)pyrene	29.01	276	759590	29.06 ng/ul#	92
91) Dibenzo(a,h)anthracene	29.04	278	209563m	9.63 ng/ul	
92) Benzo(g,h,i)perylene	30.20	276	670524	31.08 ng/ul#	92

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



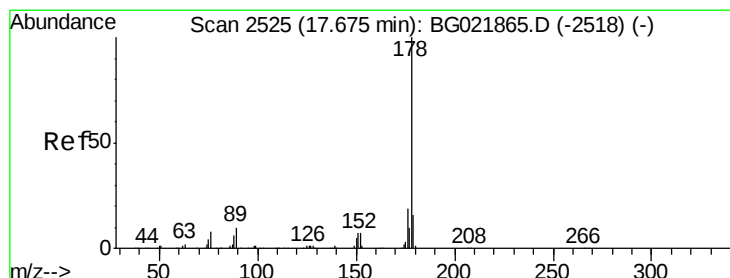
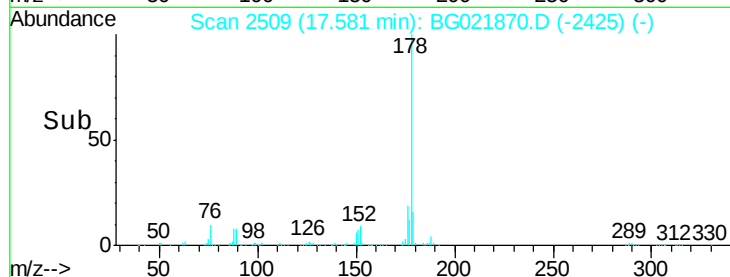
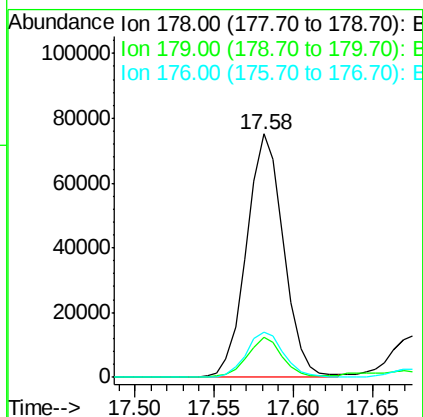
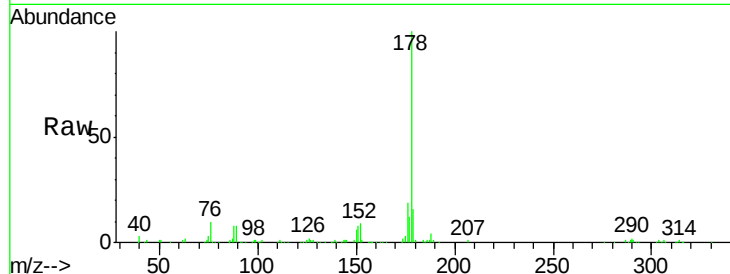
#70
Phenanthrene
Concen: 5.87 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BG021870.D
Acq: 12 May 2016 15:53

Instrument :
BNA_G
ClientSampleId :
D9WJ8DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	16.3	11.8	17.8
176	18.6	14.8	22.2

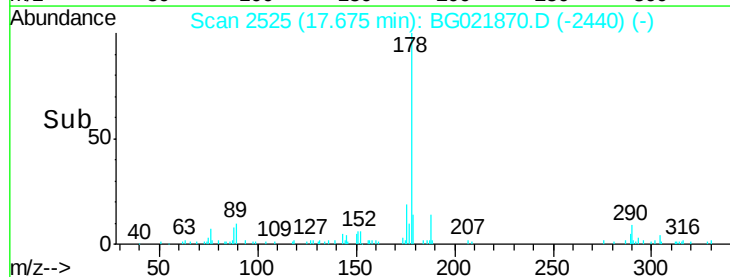
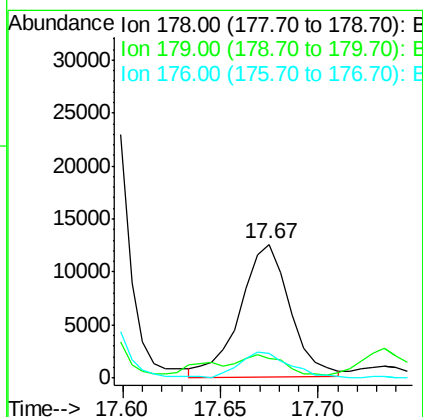
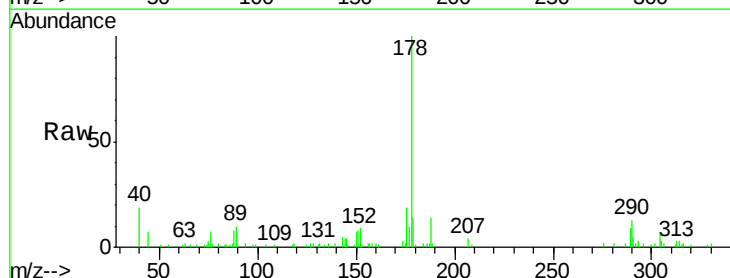
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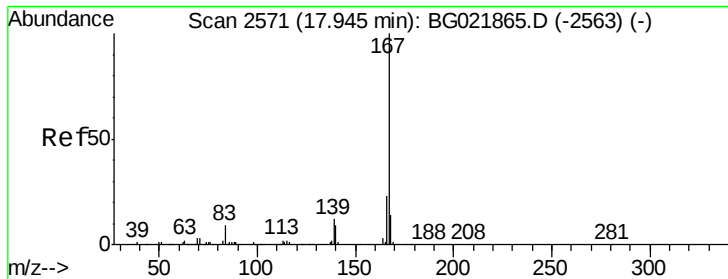
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#72
Anthracene
Concen: 1.05 ng/ul
RT: 17.67 min Scan# 2525
Delta R.T. -0.00 min
Lab File: BG021870.D
Acq: 12 May 2016 15:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	14.3	12.9	19.3
176	18.6	15.6	23.4





#73

Carbazole

Concen: 1.69 ng/ul m

RT: 17.94 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BG021870.D

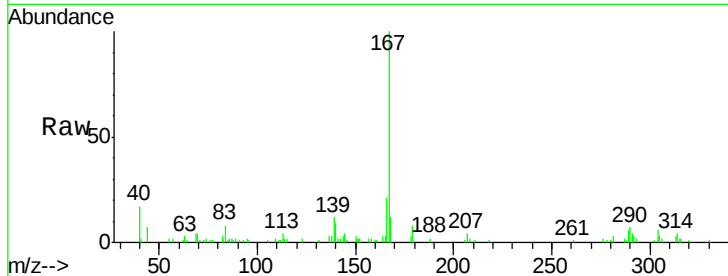
Acq: 12 May 2016 15:53

Instrument :

BNA_G

ClientSampleId :

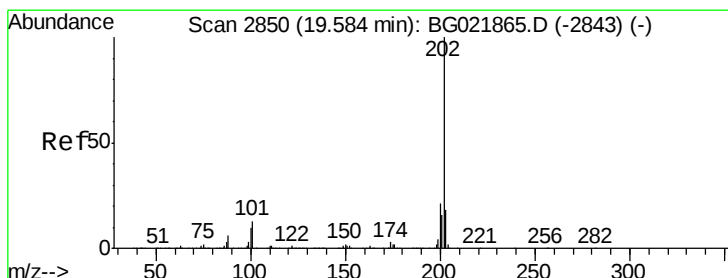
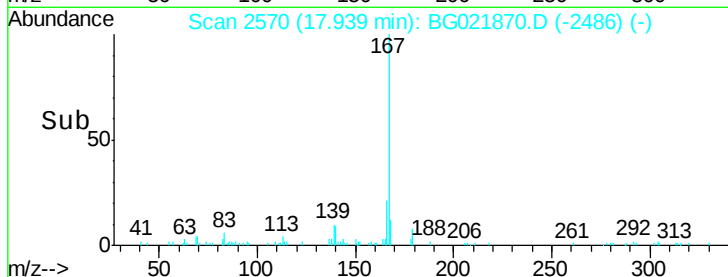
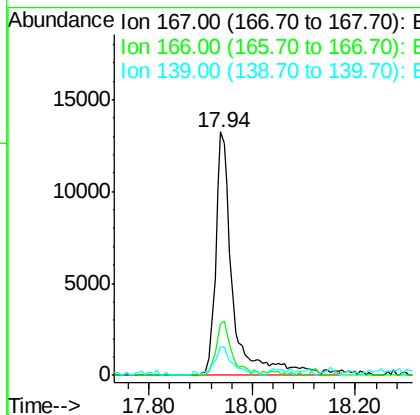
D9WJ8DL



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	19.0	28.4
139	11.5	12.2	18.4#

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#75

Fluoranthene

Concen: 18.53 ng/ul

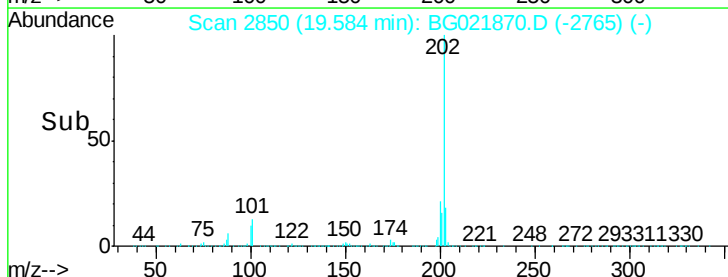
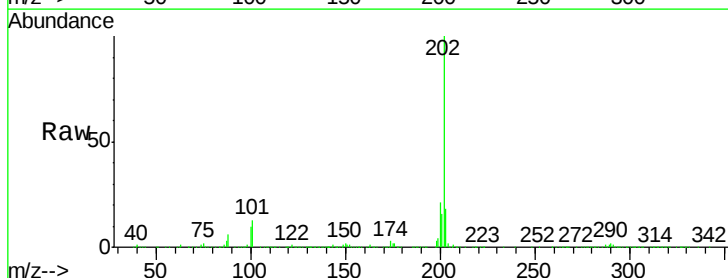
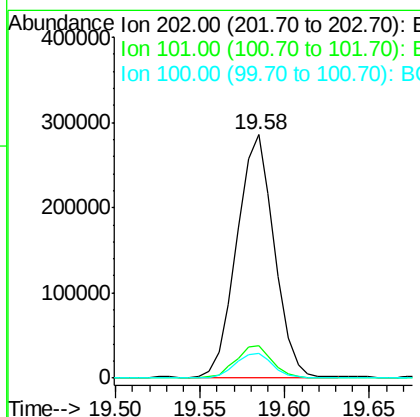
RT: 19.58 min Scan# 2850

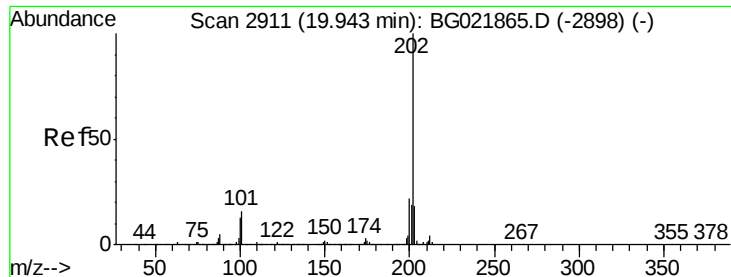
Delta R.T. -0.00 min

Lab File: BG021870.D

Acq: 12 May 2016 15:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	8.9	13.3
100	10.2	7.0	10.4





#78

Pyrene

Concen: 20.80 ng/ul m

RT: 19.94 min Scan# 2911

Delta R.T. -0.00 min

Lab File: BG021870.D

Acq: 12 May 2016 15:53

Instrument :

BNA_G

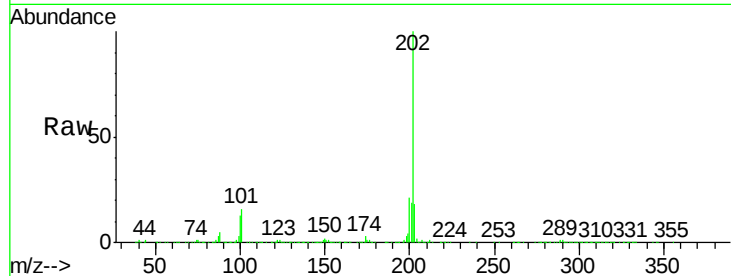
ClientSampleId :

D9WJ8DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		451900		
101	16.0	9.8	14.8#		
100	12.8	9.3	13.9		

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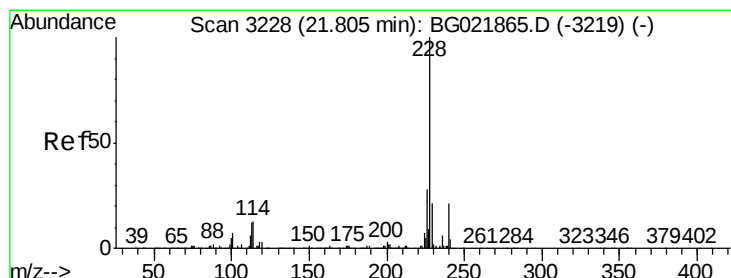
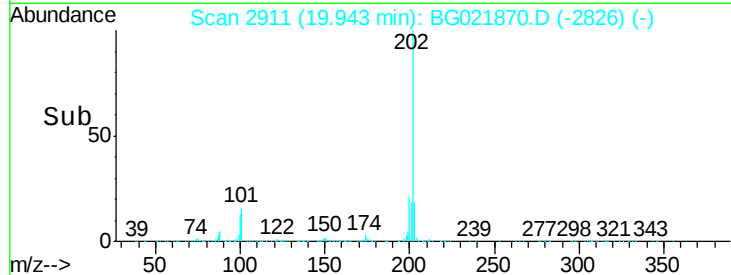
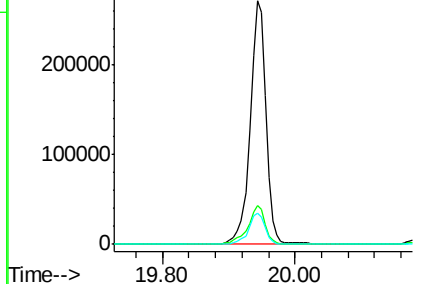
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#81

Benzo(a)anthracene

Concen: 21.48 ng/ul

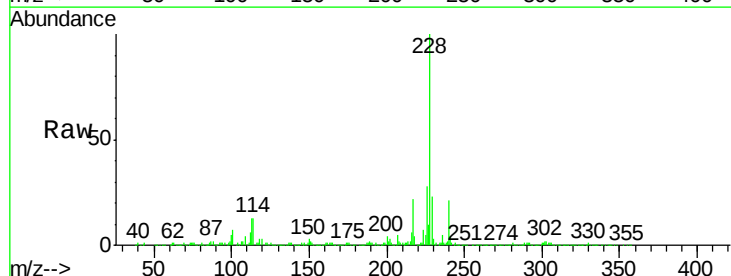
RT: 21.81 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG021870.D

Acq: 12 May 2016 15:53

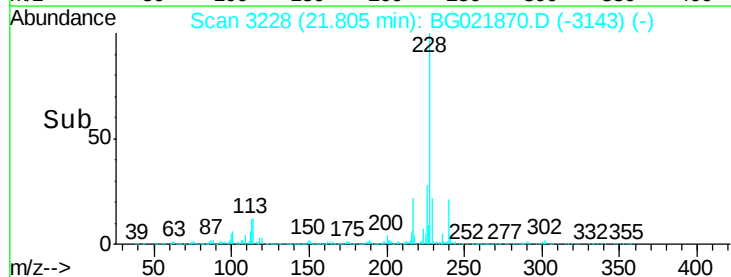
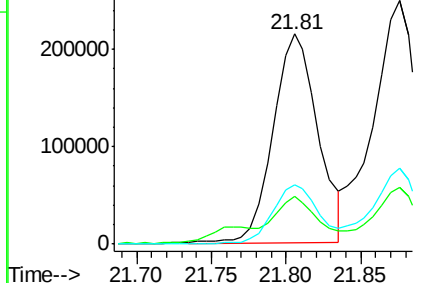
Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		448899		
229	22.6	16.6	25.0		
226	28.5	21.0	31.4		

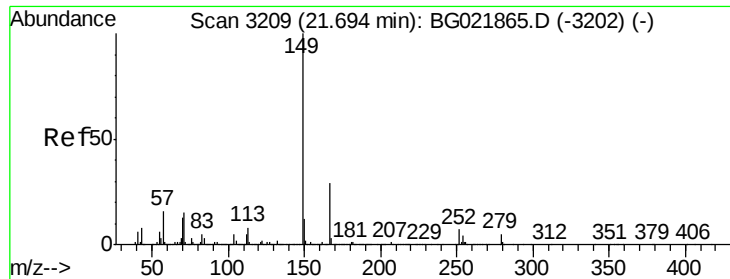


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Bis(2-ethylhexyl)phthalate

Concen: 8.44 ng/ul

RT: 21.69 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BG021870.D

Acq: 12 May 2016 15:53

Instrument :

BNA_G

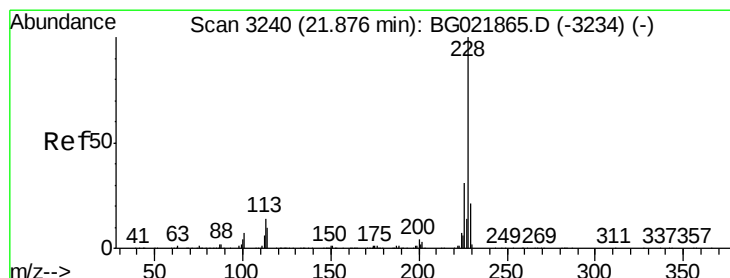
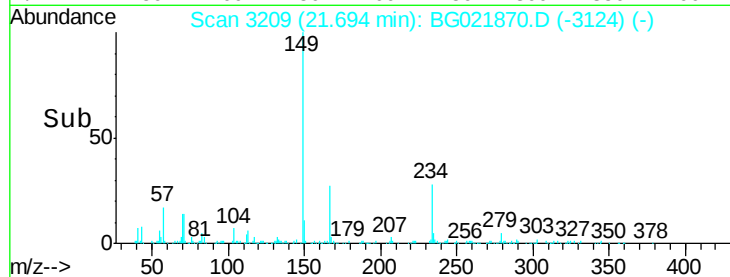
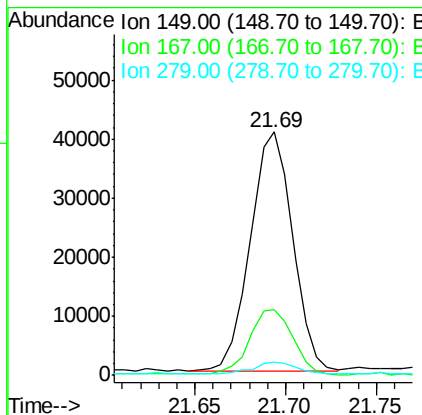
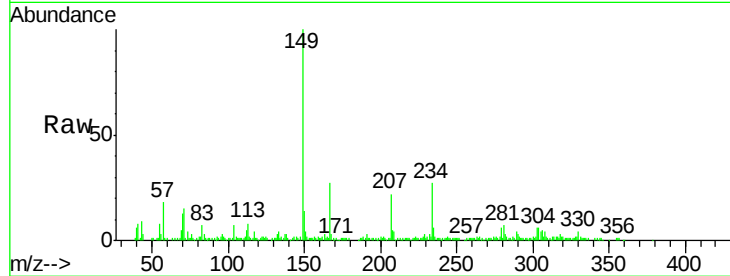
ClientSampled :

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Tgt Ion:	149	Resp:	66144
Ion Ratio	Lower	Upper	
149	100		
167	27.2	20.5	30.7
279	5.6	3.7	5.5#

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#83

Chrysene

Concen: 24.68 ng/ul

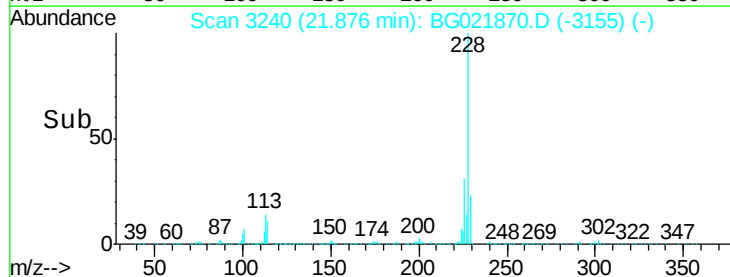
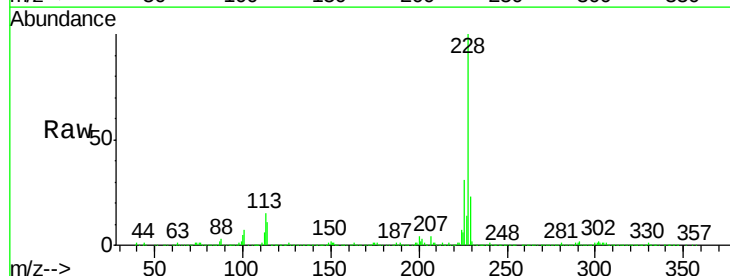
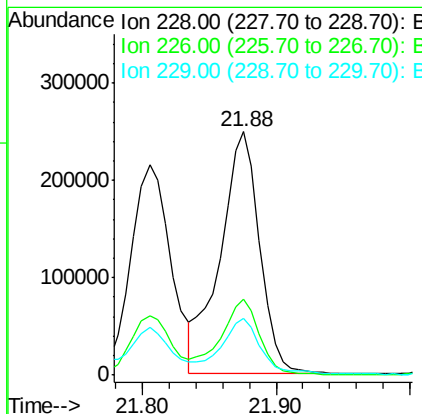
RT: 21.88 min Scan# 3240

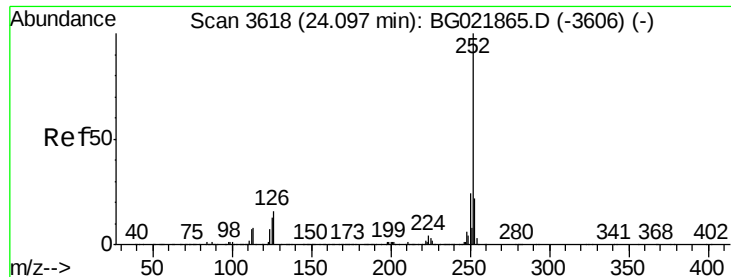
Delta R.T. -0.00 min

Lab File: BG021870.D

Acq: 12 May 2016 15:53

Tgt Ion:	228	Resp:	510280
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.4	35.2
229	23.2	16.2	24.2





#86

Benzo(b)fluoranthene

Concen: 52.80 ng/ul

RT: 24.11 min Scan# 3621

Delta R.T. 0.02 min

Lab File: BG021870.D

Acq: 12 May 2016 15:53

Instrument :

BNA_G

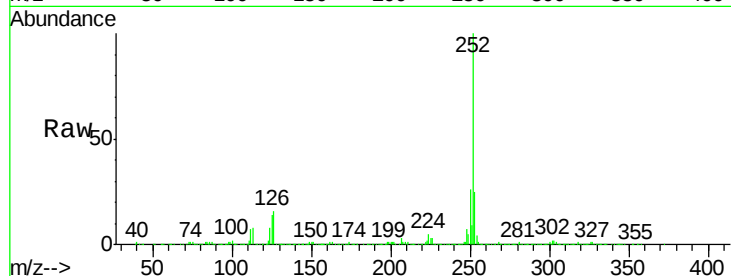
ClientSampleId :

D9WJ8DL

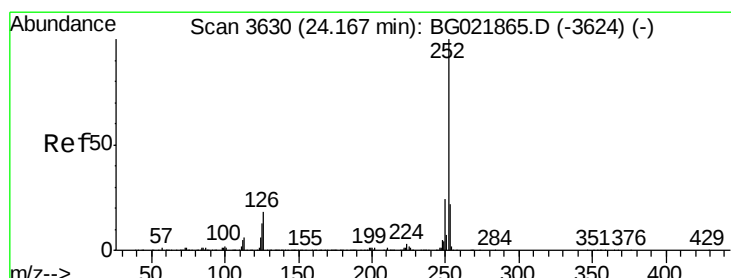
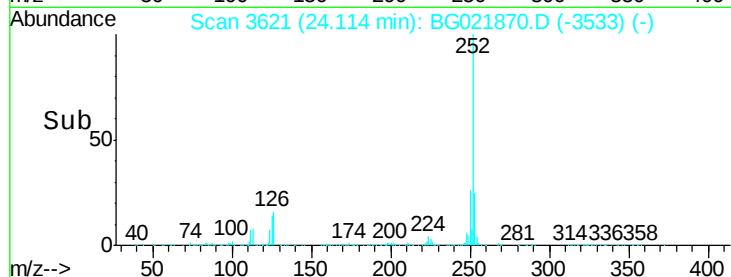
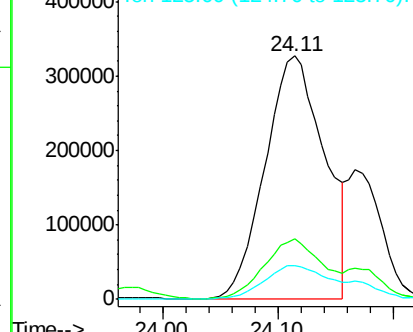
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	14.0	7.6	11.4

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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



#87

Benzo(k)fluoranthene

Concen: 15.33 ng/ul m

RT: 24.17 min Scan# 3630

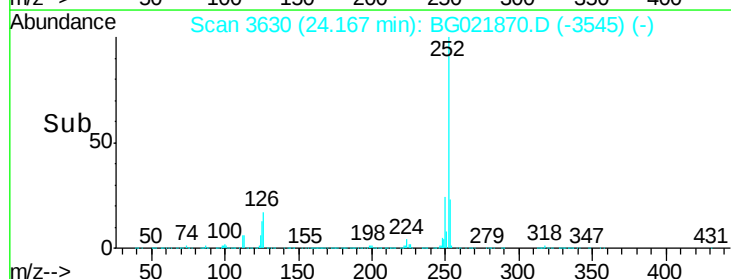
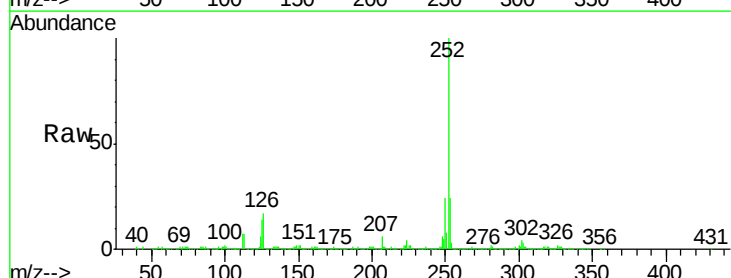
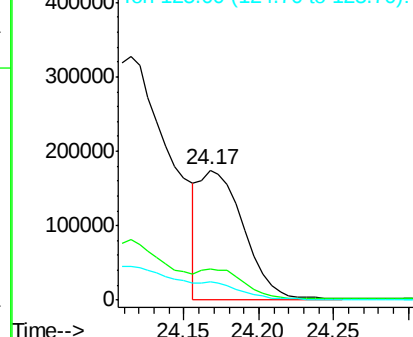
Delta R.T. -0.00 min

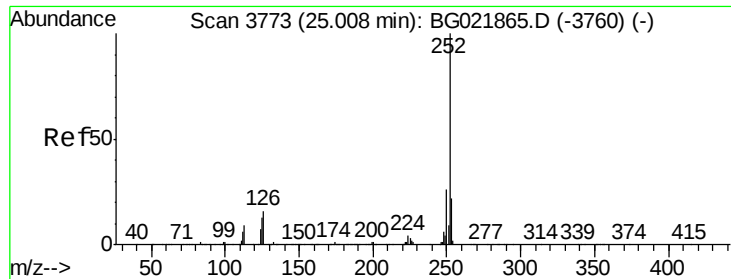
Lab File: BG021870.D

Acq: 12 May 2016 15:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	13.7	7.7	11.5

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





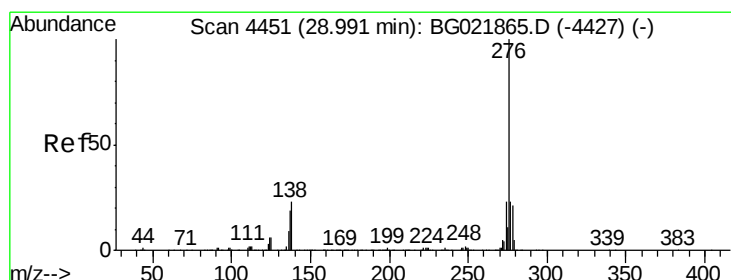
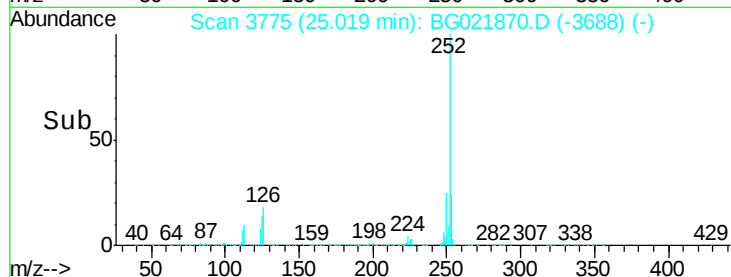
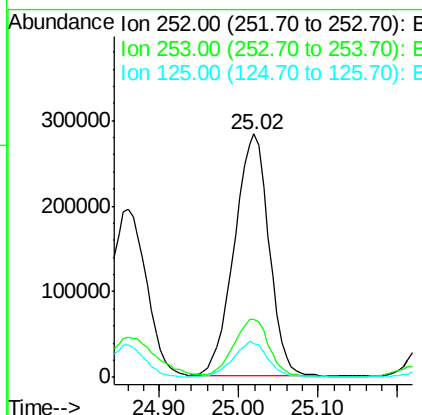
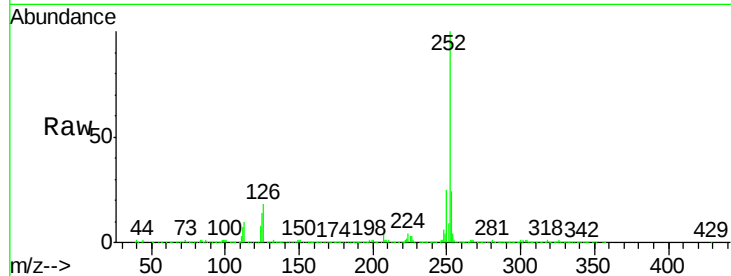
#89
Benzo(a)pyrene
Concen: 38.95 ng/ul
RT: 25.02 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BG021870.D
Acq: 12 May 2016 15:53

Instrument :
BNA_G
ClientSampleId :
D9WJ8DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.0	17.4	26.0
125	13.9	8.2	12.2

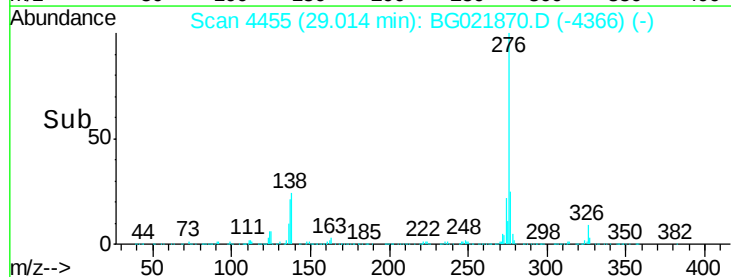
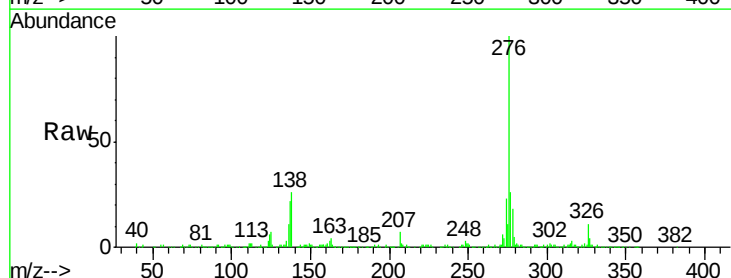
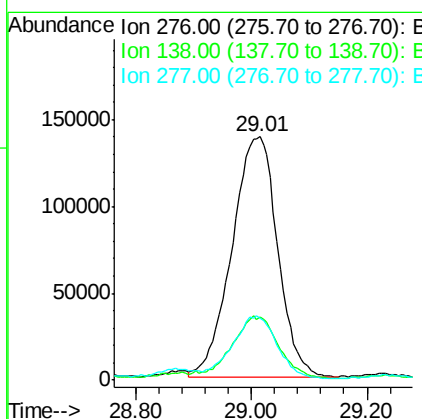
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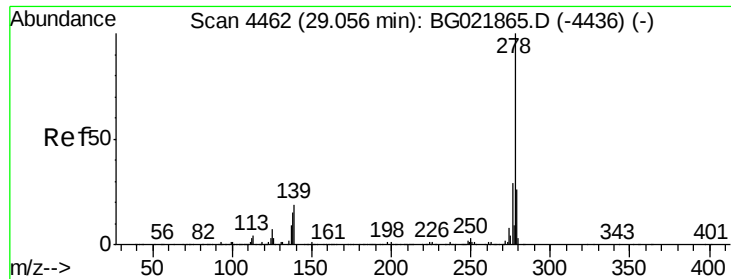
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#90
Indeno(1,2,3-cd)pyrene
Concen: 29.06 ng/ul
RT: 29.01 min Scan# 4455
Delta R.T. 0.02 min
Lab File: BG021870.D
Acq: 12 May 2016 15:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.8	15.8	23.6
277	25.6	19.0	28.6





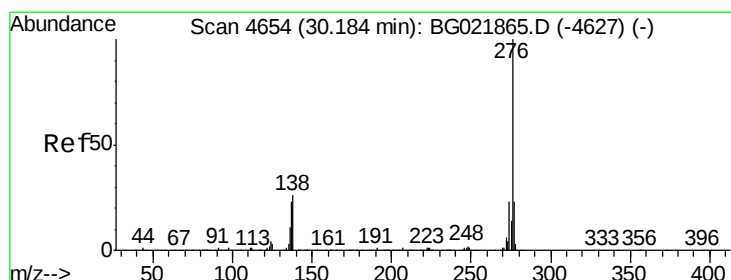
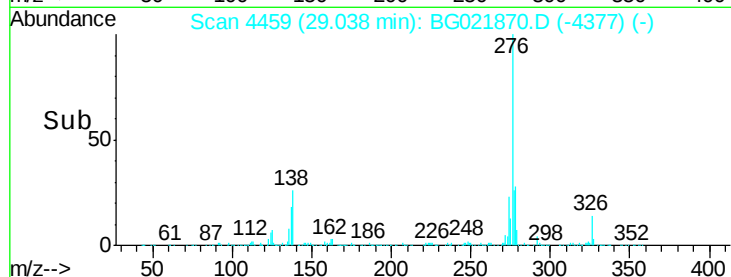
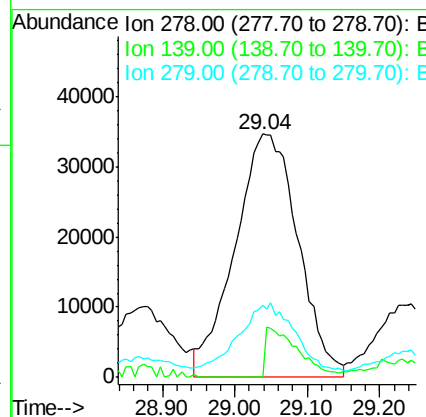
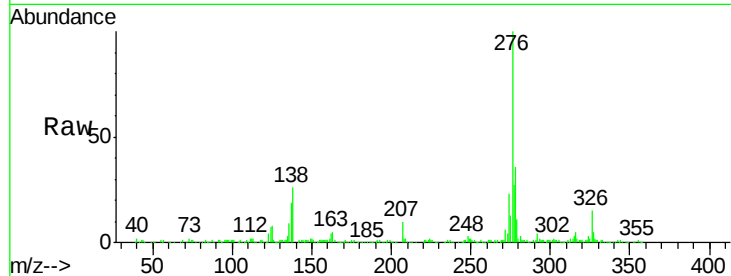
#91
Dibenzo(a,h)anthracene
Concen: 9.63 ng/ul m
RT: 29.04 min Scan# 4459
Delta R.T. -0.02 min
Lab File: BG021870.D
Acq: 12 May 2016 15:53

Instrument :
BNA_G
ClientSampleId :
D9WJ8DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.1	18.1#
279	29.9	19.8	29.8#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 31.08 ng/ul
RT: 30.20 min Scan# 4657
Delta R.T. 0.02 min
Lab File: BG021870.D
Acq: 12 May 2016 15:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	13.9	20.9#
277	24.1	19.8	29.6

