

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021873.D
 Acq On : 12 May 2016 17:54
 Operator : UM/SJ
 Sample : H2936-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

Manual Integrations
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Quant Time: May 13 12:27:17 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	57186	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	326664	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	212118	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	450723	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	453047	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	464624	20.00	ng/ul	0.00

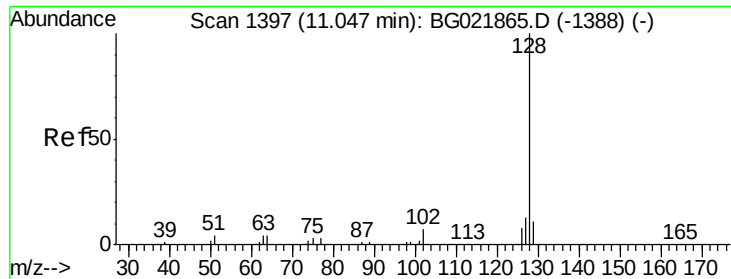
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	5350	4.52	ng/uL	0.00
5) Phenol-d5	7.32	99	129631	30.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	60842	28.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	119990	36.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	125181	35.12	ng/ul	-0.01
19) Nitrobenzene-d5	9.34	128	61170	28.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	76742	56.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	133229	34.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	156434m	37.86	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	426162	28.60	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	556902	26.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	72639m	28.44	ng/ul	0.00
58) Fluorene-d10	15.78	176	397298	25.33	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	30031m	24.05	ng/ul	0.00
71) Anthracene-d10	17.63	188	528990	24.11	ng/ul	0.00
77) Pyrene-d10	19.91	212	557072m	26.27	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	530581	24.03	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.04	128	17586	1.07	ng/ul	97
45) Dimethylphthalate	14.24	163	76941	5.07	ng/ul	97
69) Pentachlorophenol	17.19	266	5223m	2.51	ng/ul	
70) Phenanthrene	17.58	178	236125	9.58	ng/ul	97
72) Anthracene	17.67	178	52222	2.09	ng/ul	96
73) Carbazole	17.94	167	45593m	2.10	ng/ul	
75) Fluoranthene	19.58	202	509107	18.18	ng/ul#	94
78) Pyrene	19.94	202	463817m	17.70	ng/ul	
81) Benzo(a)anthracene	21.80	228	330458	13.11	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	50213	5.31	ng/ul	99
83) Chrysene	21.87	228	383808	15.39	ng/ul	97
86) Benzo(b)fluoranthene	24.10	252	659331	24.79	ng/ul#	95
87) Benzo(k)fluoranthene	24.16	252	183883m	6.46	ng/ul	
89) Benzo(a)pyrene	25.01	252	433144	16.36	ng/ul#	94
90) Indeno(1,2,3-cd)pyrene	28.99	276	338363	10.78	ng/ul#	96
91) Dibenzo(a,h)anthracene	29.04	278	87446m	3.35	ng/ul	
92) Benzo(g,h,i)perylene	30.20	276	306094m	11.82	ng/ul	

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



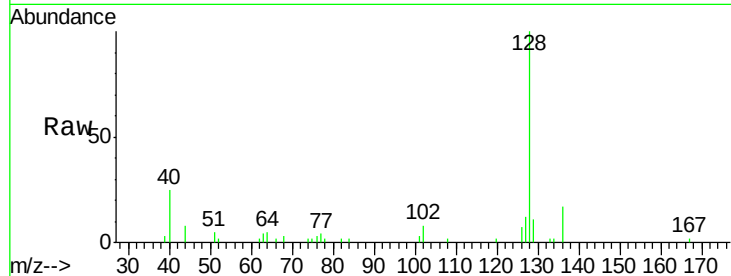
#28
Naphthalene
Concen: 1.07 ng/ul
RT: 11.04 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Instrument :
BNA_G
ClientSampleId :
D9WK0

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	11.7	10.8	16.2

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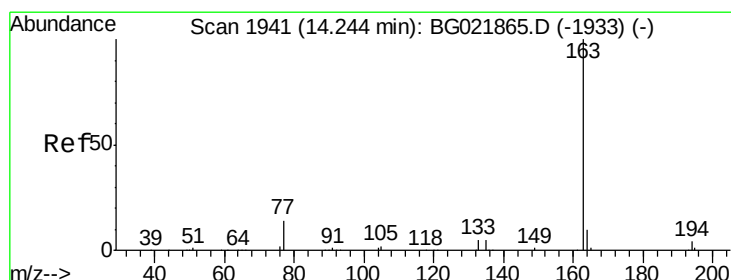
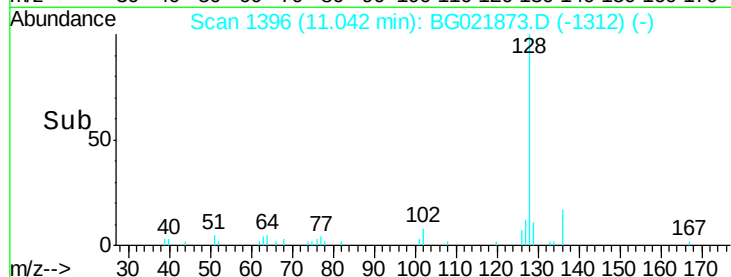
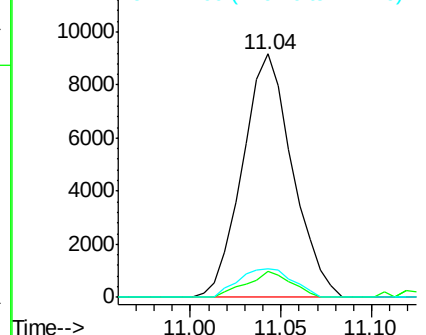


Abundance

Ion 128.00 (127.70 to 128.70): E

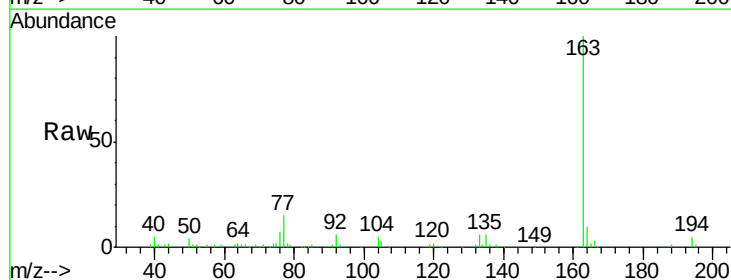
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#45
Dimethylphthalate
Concen: 5.07 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.9	5.9
164	9.6	8.7	13.1

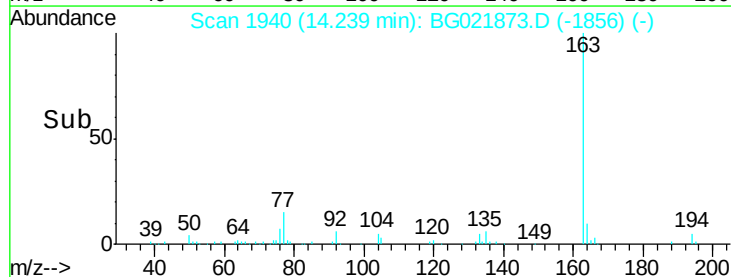
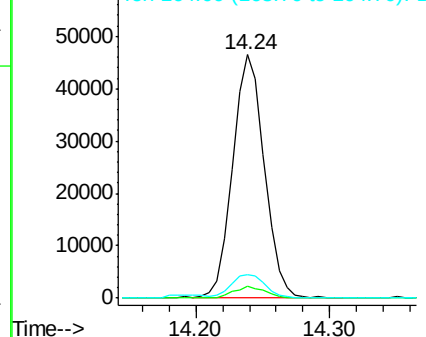


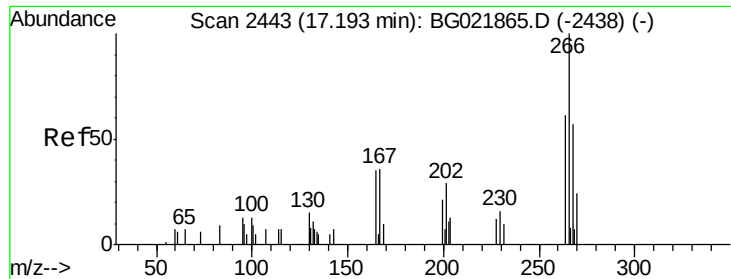
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





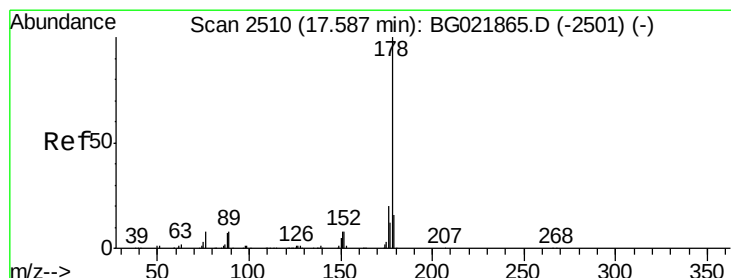
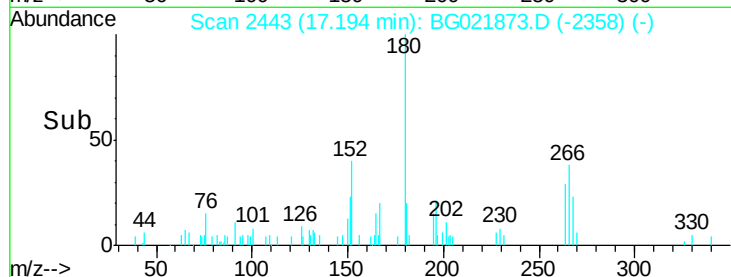
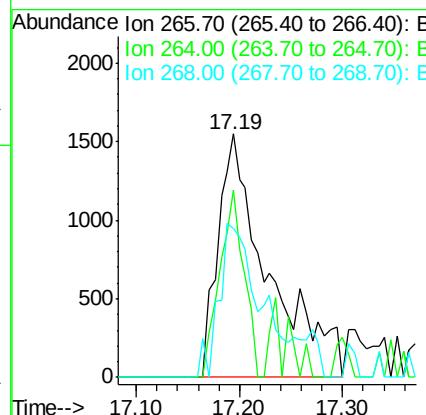
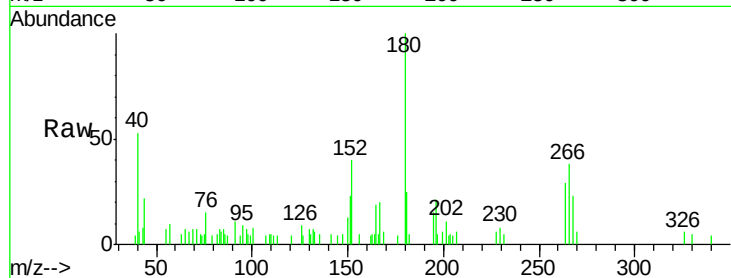
#69
 Pentachlorophenol
 Concen: 2.51 ng/ul m
 RT: 17.19 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

Tgt Ion	Ratio	Lower	Upper
266	100		
264	77.1	56.7	85.1
268	61.4	50.6	76.0

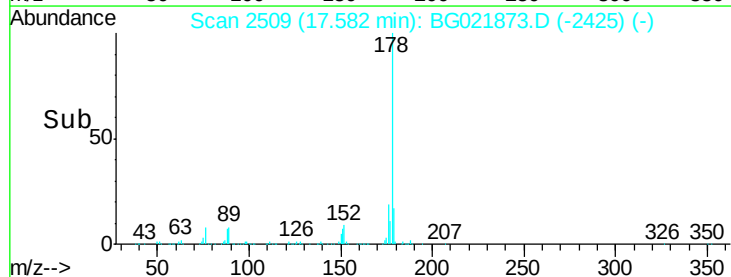
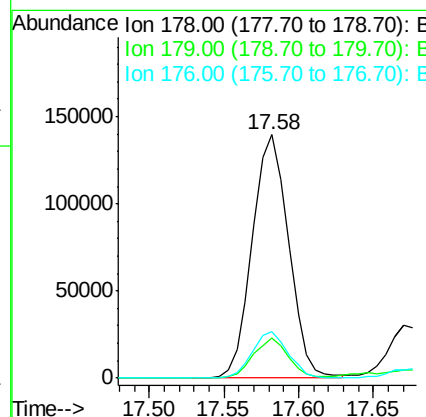
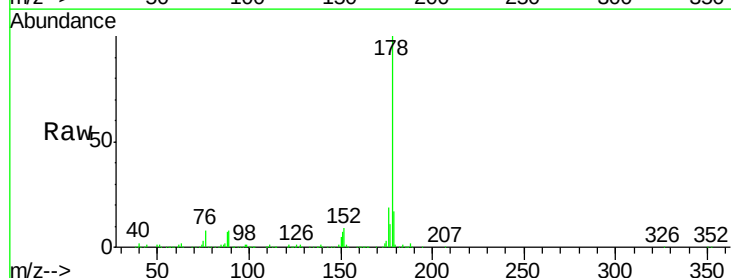
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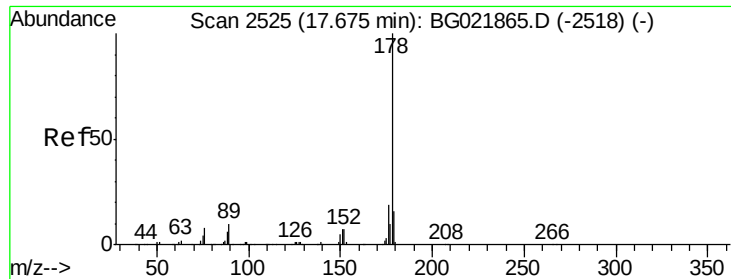
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#70
 Phenanthrene
 Concen: 9.58 ng/ul
 RT: 17.58 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	11.8	17.8
176	19.2	14.8	22.2





#72

Anthracene

Concen: 2.09 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BG021873.D

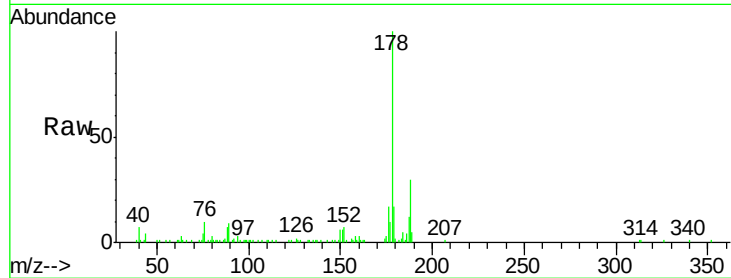
Acq: 12 May 2016 17:54

Instrument :

BNA_G

ClientSampleId :

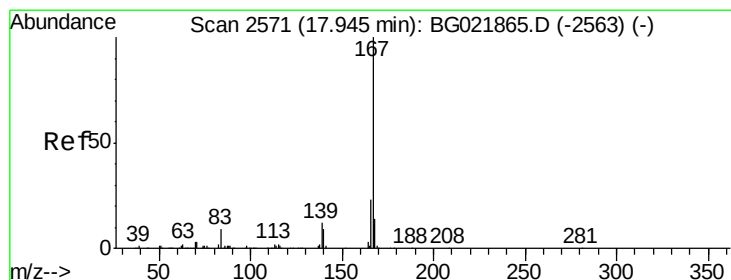
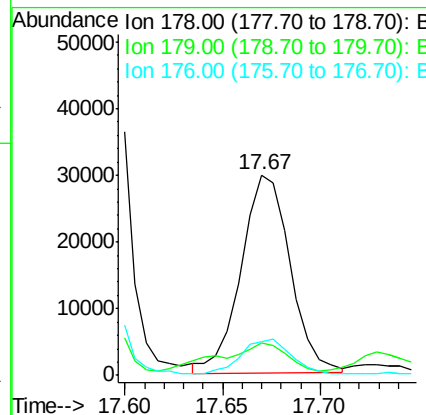
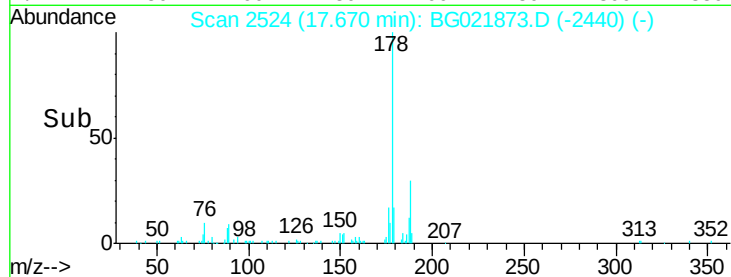
D9WK0



Tgt Ion:	178	Resp:	52222
Ion Ratio	Lower	Upper	
178	100		
179	16.5	12.9	19.3
176	16.7	15.6	23.4

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#73

Carbazole

Concen: 2.10 ng/ul m

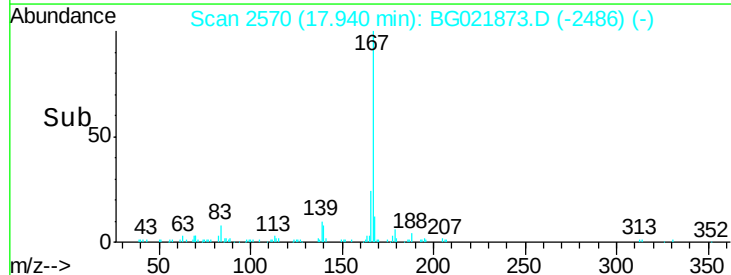
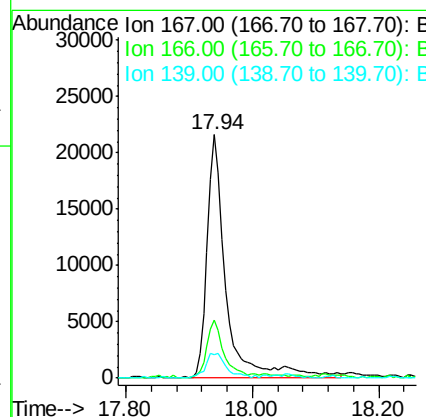
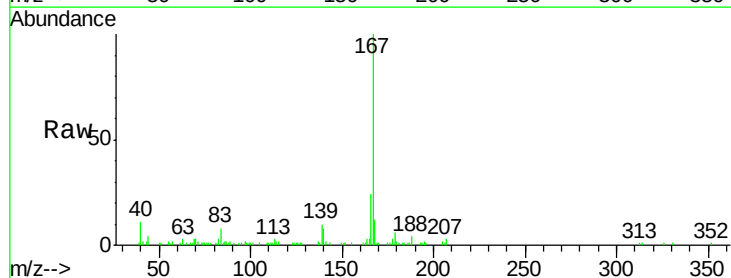
RT: 17.94 min Scan# 2570

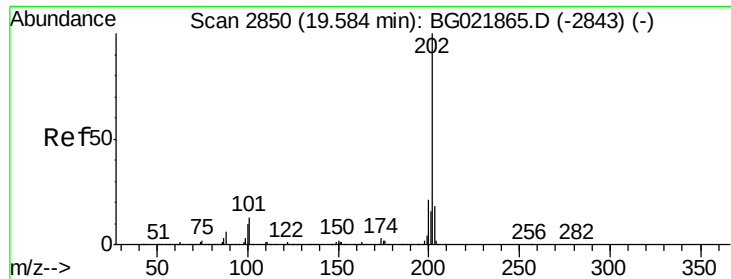
Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

Tgt Ion:	167	Resp:	45593
Ion Ratio	Lower	Upper	
167	100		
166	23.9	19.0	28.4
139	9.5	12.2	18.4#





#75

Fluoranthene

Concen: 18.18 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

Instrument :

BNA_G

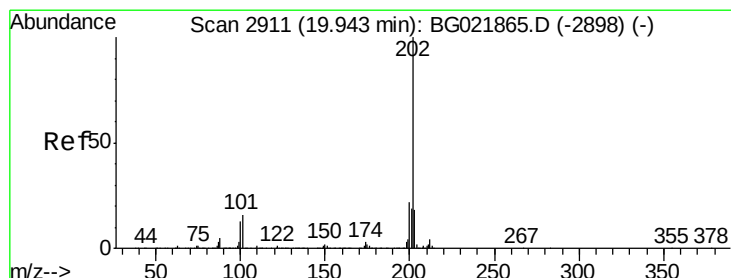
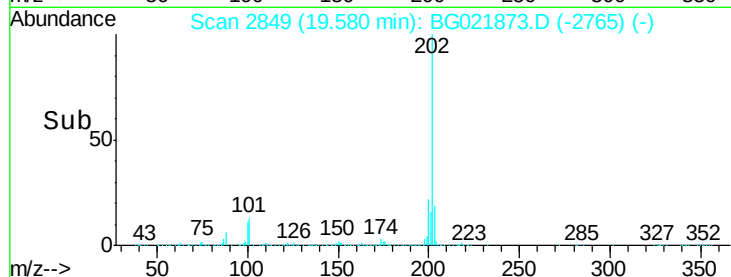
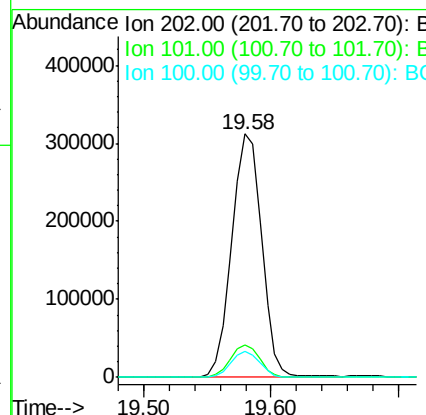
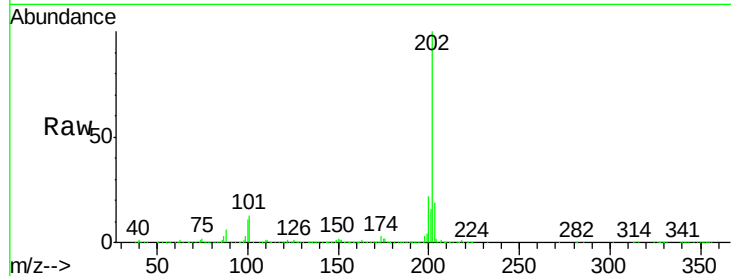
ClientSampleId :

D9WK0

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		509107		
101	13.1	8.9	13.3		
100	10.9	7.0	10.4		

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#78

Pyrene

Concen: 17.70 ng/ul m

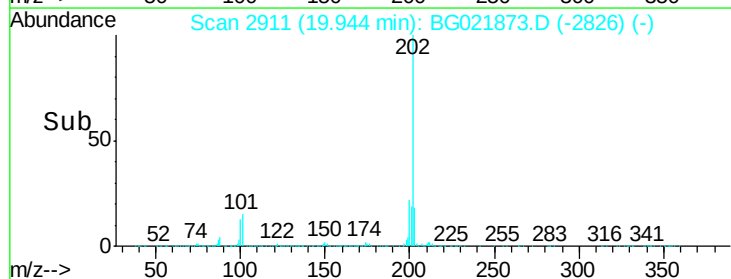
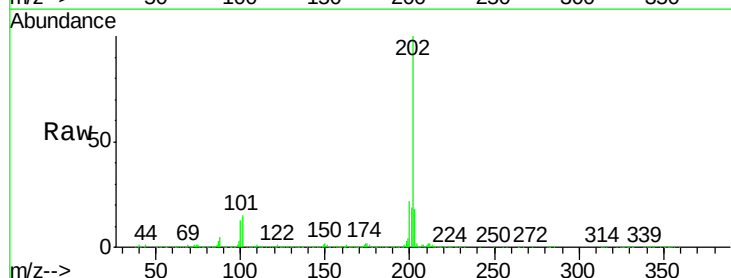
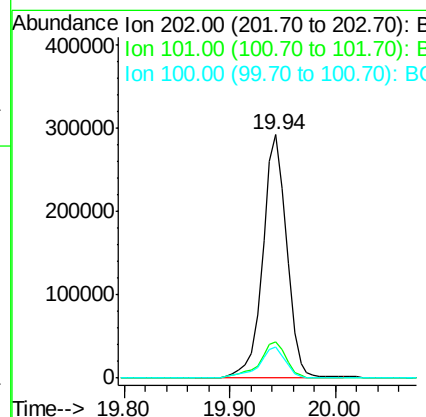
RT: 19.94 min Scan# 2911

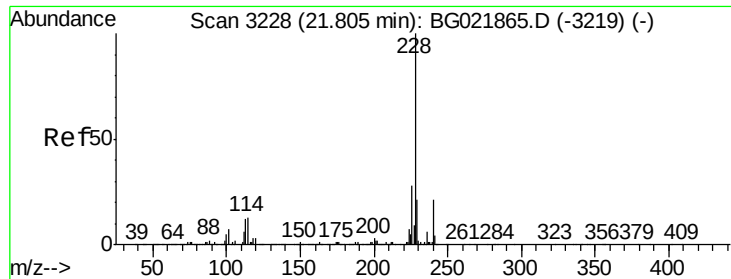
Delta R.T. 0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		463817		
101	15.1	9.8	14.8		
100	12.6	9.3	13.9		





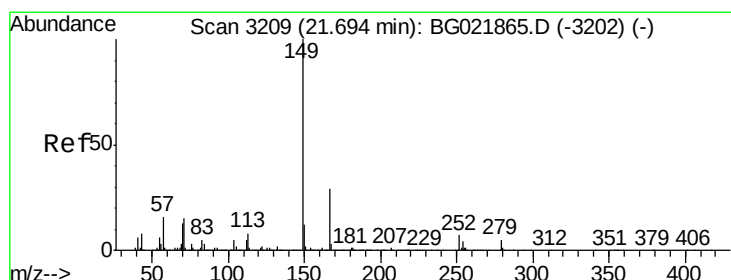
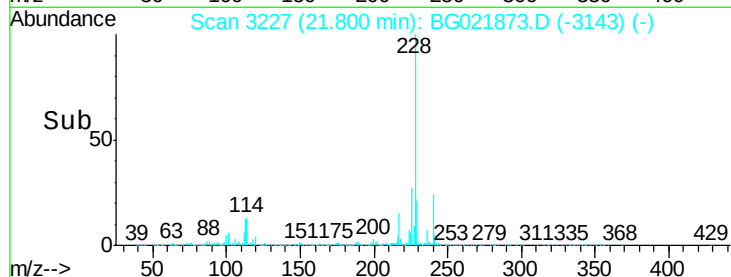
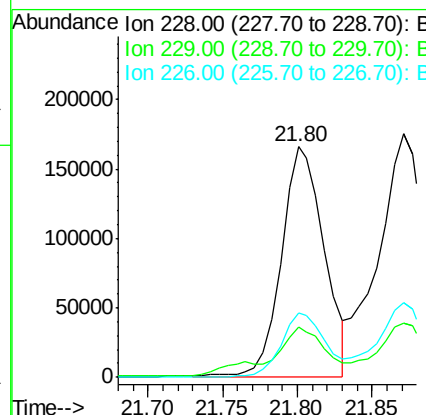
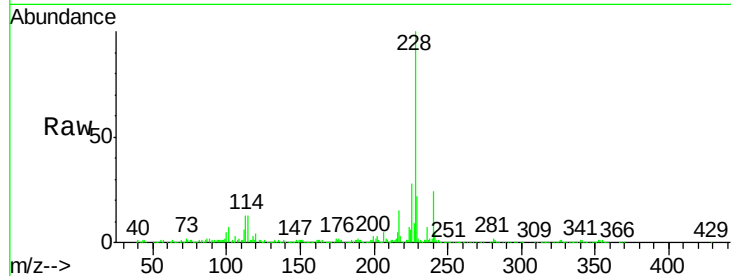
#81
Benzo(a)anthracene
Concen: 13.11 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. -0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Instrument :
BNA_G
ClientSampleId :
D9WK0

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	330458		
229	21.8	16.6	25.0	
226	27.7	21.0	31.4	

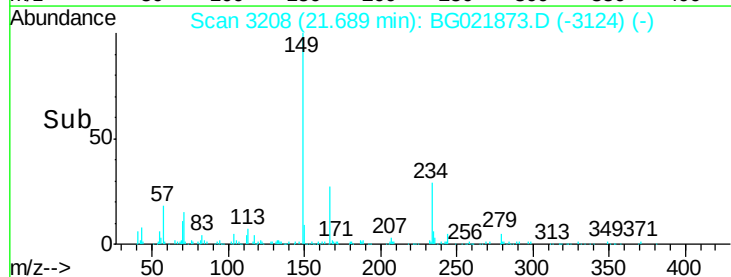
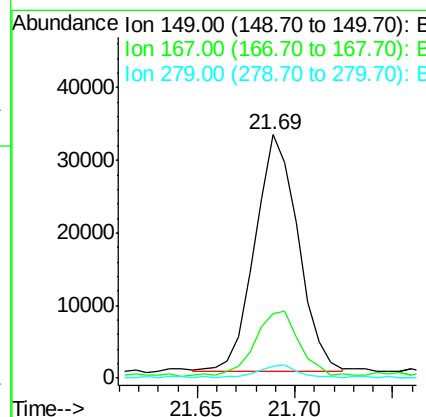
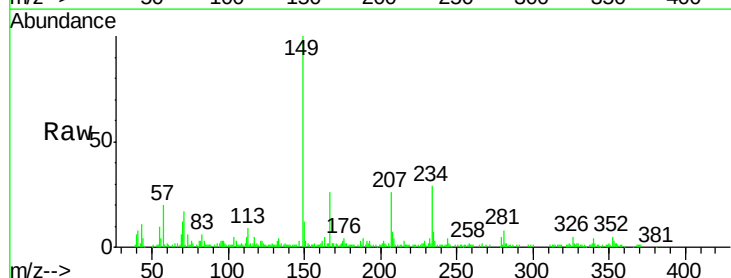
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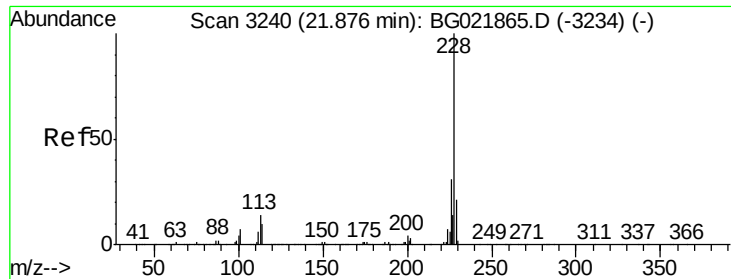
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#82
Bis(2-ethylhexyl)phthalate
Concen: 5.31 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. -0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	50213		
167	26.5	20.5	30.7	
279	4.7	3.7	5.5	





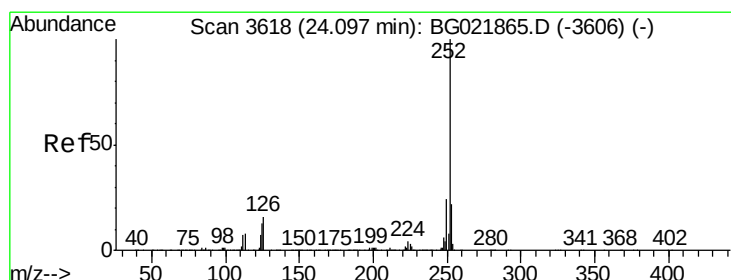
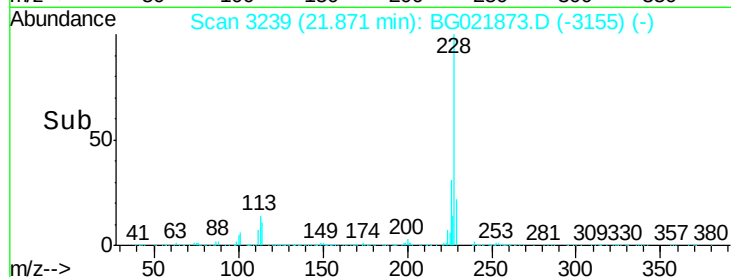
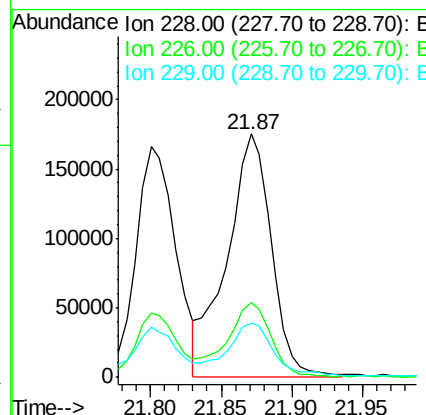
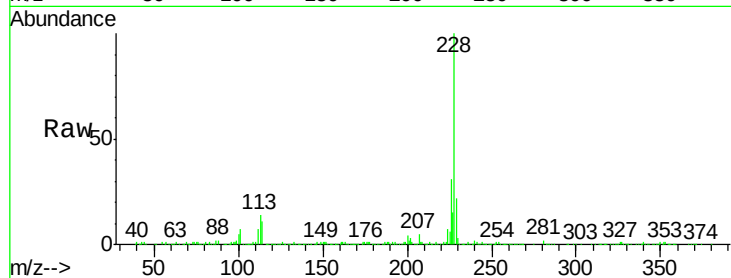
#83
Chrysene
Concen: 15.39 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Instrument :
BNA_G
ClientSampleId :
D9WK0

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	383808		
226	30.7	23.4	35.2	
229	22.2	16.2	24.2	

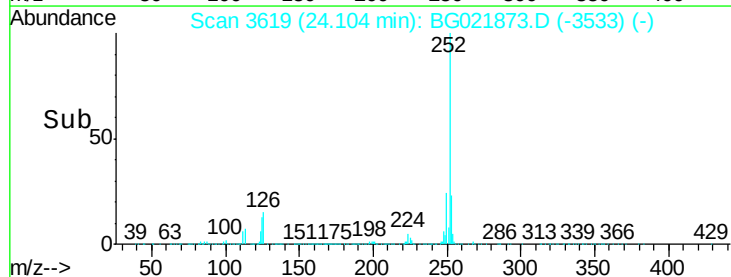
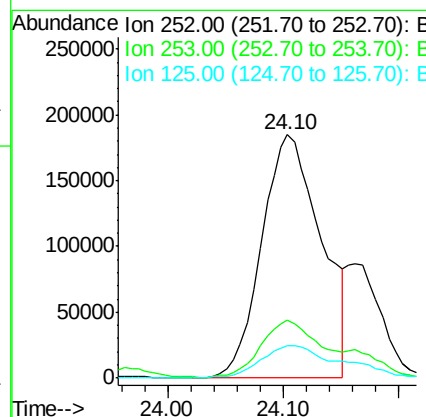
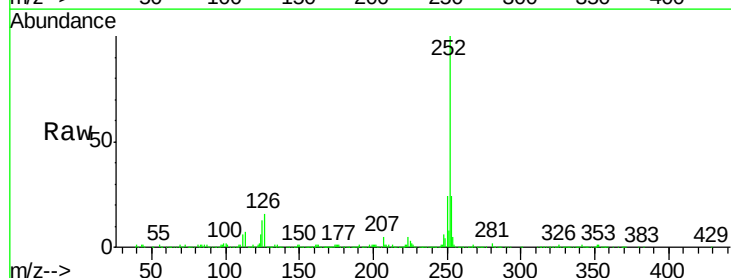
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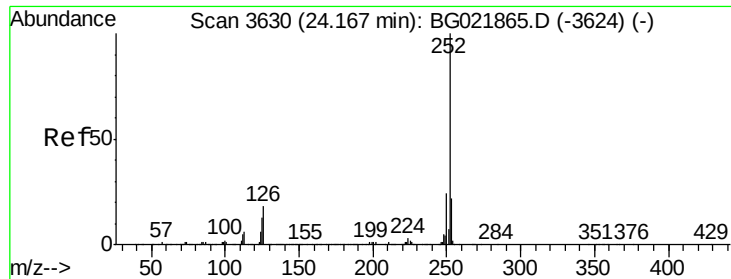
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#86
Benzo(b)fluoranthene
Concen: 24.79 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. 0.01 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	659331		
253	23.6	18.1	27.1	
125	13.4	7.6	11.4	





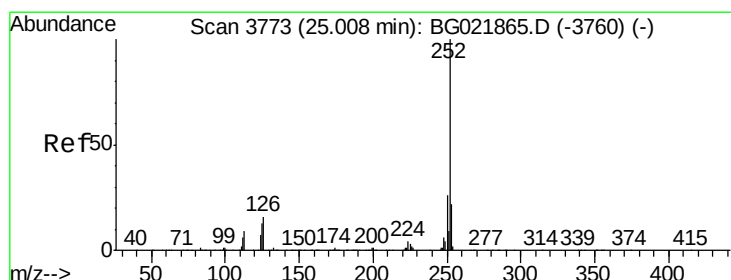
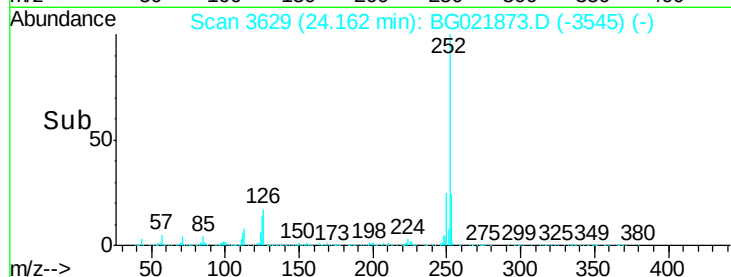
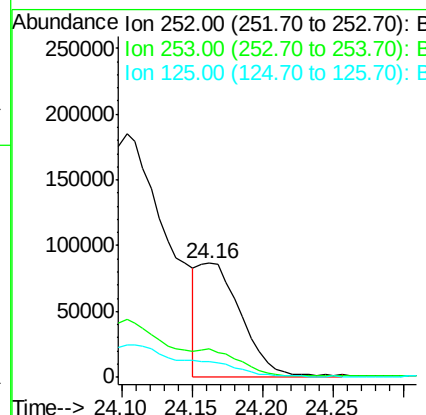
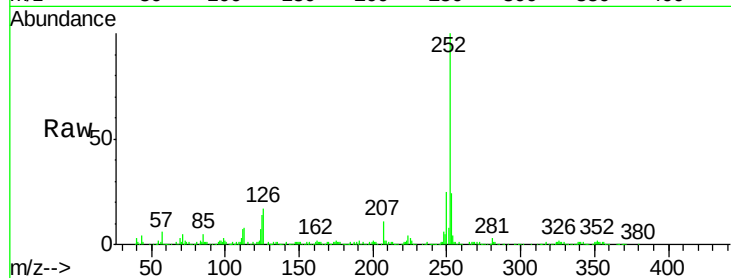
#87
Benzo(k)fluoranthene
Concen: 6.46 ng/ul m
RT: 24.16 min Scan# 3629
Delta R.T. -0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Instrument :
BNA_G
ClientSampleId :
D9WK0

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.5	17.8	26.8
125	14.1	7.7	11.5#

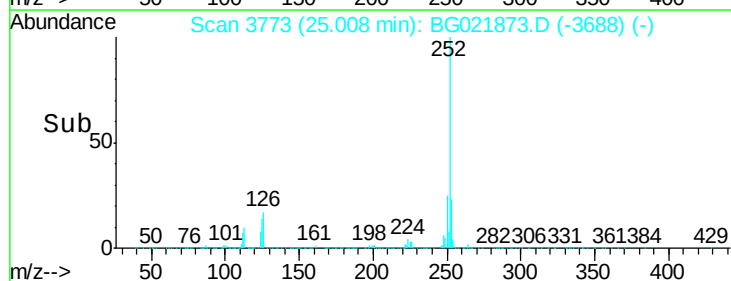
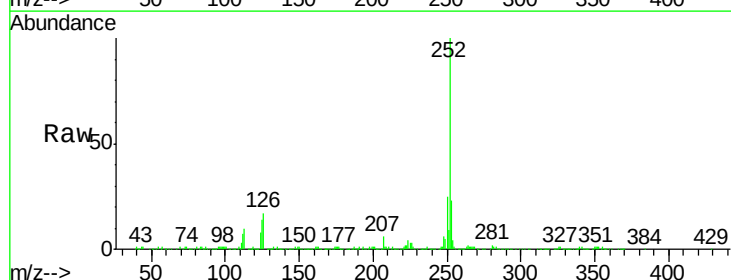
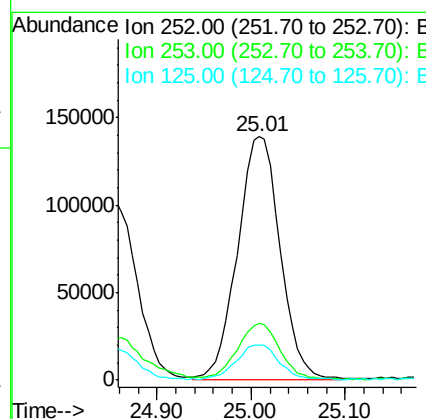
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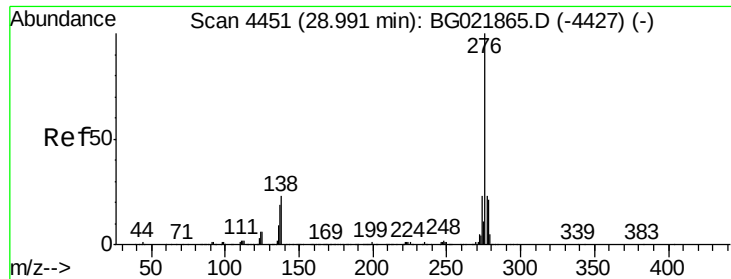
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#89
Benzo(a)pyrene
Concen: 16.36 ng/ul
RT: 25.01 min Scan# 3773
Delta R.T. 0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.5	17.4	26.0
125	14.2	8.2	12.2#





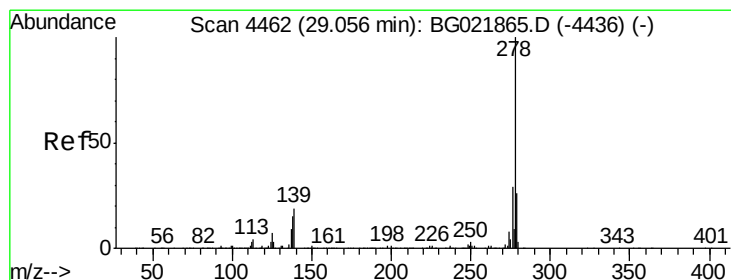
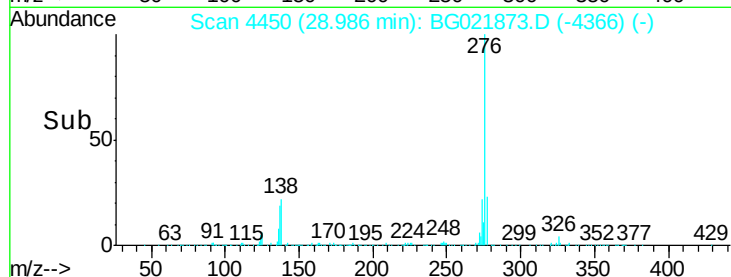
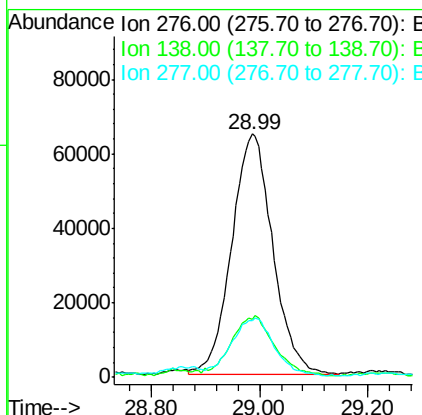
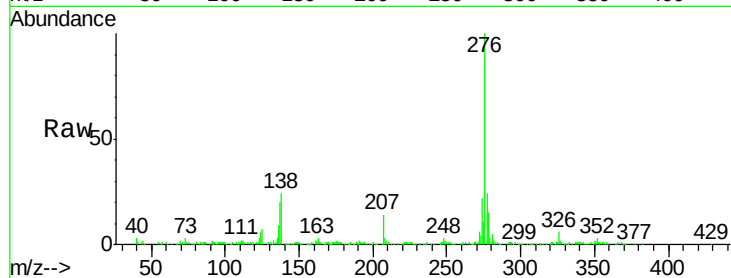
#90
 Indeno(1,2,3-cd)pyrene
 Concen: 10.78 ng/ul
 RT: 28.99 min Scan# 4450
 Delta R.T. -0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	338363		
138	23.9	15.8	23.6#	
277	23.6	19.0	28.6	

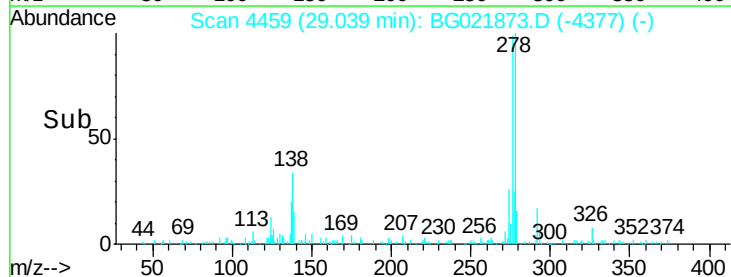
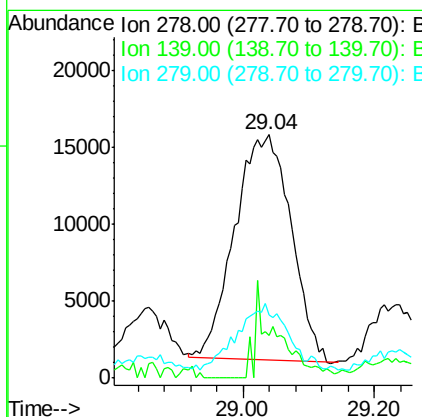
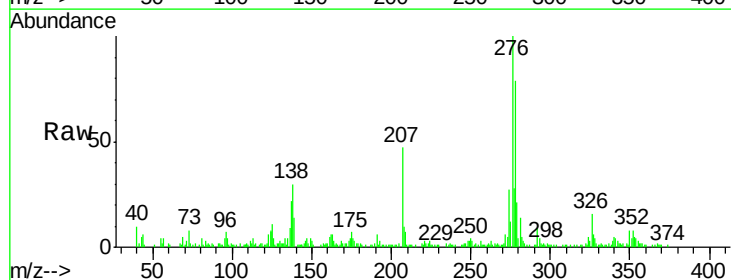
Manual Integrations
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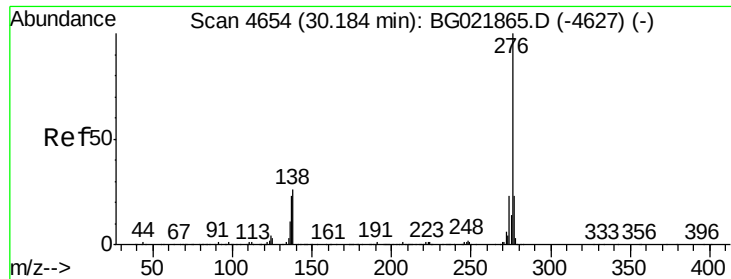
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#91
 Dibenzo(a,h)anthracene
 Concen: 3.35 ng/ul m
 RT: 29.04 min Scan# 4459
 Delta R.T. -0.02 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	87446		
139	17.7	12.1	18.1	
279	26.0	19.8	29.8	





#92
 Benzo(g,h,i)perylene
 Concen: 11.82 ng/ul m
 RT: 30.20 min Scan# 4656
 Delta R.T. 0.01 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

Tgt	Ion	276	Resp	306094
Ion	Ratio	Lower	Upper	
276	100			
138	25.3	13.9	20.9#	
277	21.0	19.8	29.6	

Manual Integrations
 APPROVED

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