

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
 Data File : BG018930.D
 Acq On : 27 Sep 2015 2:01
 Operator : UM/NP
 Sample : G3798-21MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9G73MSD

Manual Integrations
 APPROVED

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 9/28/2015 6:16:21 PM

Quant Time: Sep 28 06:28:37 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 28 04:33:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	62978	20.00	ng/ul	0.00
18) Naphthalene-d8	10.80	136	270047	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.62	164	170665	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.36	188	392337	20.00	ng/ul	0.00
78) Chrysene-d12	21.62	240	389495	20.00	ng/ul	0.01
86) Perylene-d12	24.80	264	400293	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	2463	1.88	ng/uL	0.00
5) Phenol-d5	7.17	99	63792	12.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.32	67	35894	11.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.53	132	53251	13.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.70	113	44105	10.51	ng/ul	0.00
19) Nitrobenzene-d5	9.15	128	28494	13.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.87	143	31258	15.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.42	165	57865	13.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.93	131	38081	7.56	ng/ul	0.00
44) Dimethylphthalate-d6	14.02	166	189514	13.80	ng/ul	0.00
47) Acenaphthylene-d8	14.31	160	280279	17.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.83	143	26262	9.96	ng/ul	0.00
58) Fluorene-d10	15.61	176	215758	17.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.73	200	15288	8.23	ng/ul	0.01
71) Anthracene-d10	17.46	188	229951	13.31	ng/ul	0.00
79) Pyrene-d10	19.74	212	327994	18.30	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.59	264	291327	14.95	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	7.19	94	65827	12.31	ng/ul#	87
10) 2-Chlorophenol	7.56	128	52135	12.86	ng/ul	90
15) N-Nitroso-di-n-propylamine	8.79	70	36084	10.95	ng/ul#	84
33) 4-Chloro-3-methylphenol	12.08	107	53945	11.67	ng/ul	98
45) Dimethylphthalate	14.06	163	60551	4.55	ng/ul	98
50) Acenaphthene	14.68	153	158378	13.58	ng/ul	97
53) 4-Nitrophenol	14.84	109	17575	9.73	ng/ul#	87
55) 2,4-Dinitrotoluene	14.98	165	49349	12.38	ng/ul#	85
59) Fluorene	15.66	166	14996	1.08	ng/ul	96
69) Pentachlorophenol	17.02	266	22814	9.18	ng/ul	87
70) Phenanthrene	17.40	178	466274	23.38	ng/ul	99
72) Anthracene	17.49	178	76938	3.85	ng/ul	99
75) Carbazole	17.76	167	70538	3.97	ng/ul	99
77) Fluoranthene	19.41	202	1146767	51.87	ng/ul	99
80) Pyrene	19.77	202	1163394	50.79	ng/ul	100
83) Benzo(a)anthracene	21.60	228	443795	20.55	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.50	149	18130	1.39	ng/ul#	97
85) Chrysene	21.67	228	519133	26.06	ng/ul	97
88) Benzo(b)fluoranthene	23.80	252	800618	35.37	ng/ul	98
89) Benzo(k)fluoranthene	23.85	252	241496m	11.14	ng/ul	
91) Benzo(a)pyrene	24.66	252	453851	21.10	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.43	276	336147	13.48	ng/ul	97
93) Dibenzo(a,h)anthracene	28.48	278	70990m	3.55	ng/ul	

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Quant Time: Sep 28 06:28:37 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 28 04:33:51 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.57	276	278052	13.35	ng/ul	98

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

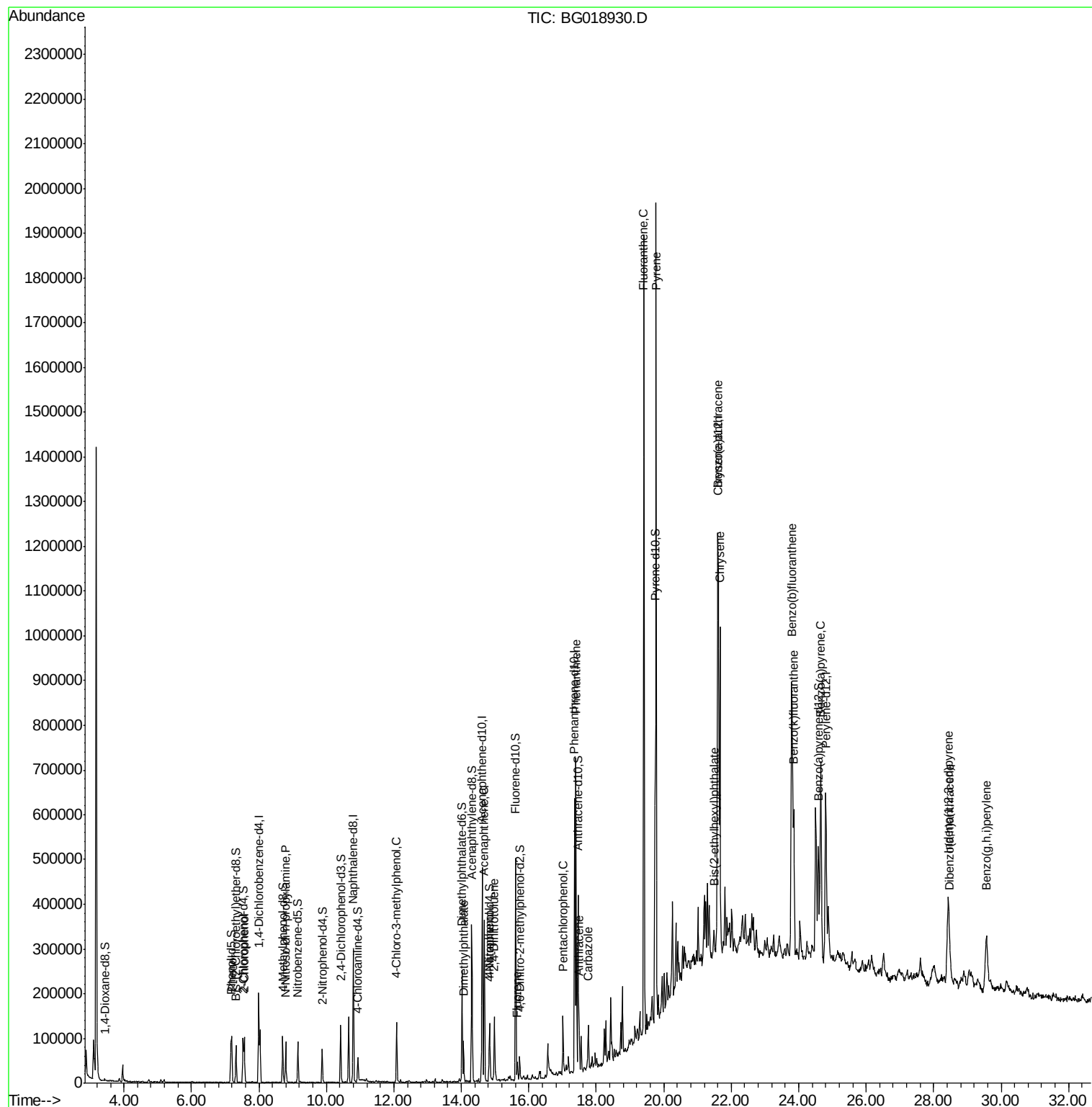
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018930.D
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ALS Vial : 35 Sample Multiplier: 1

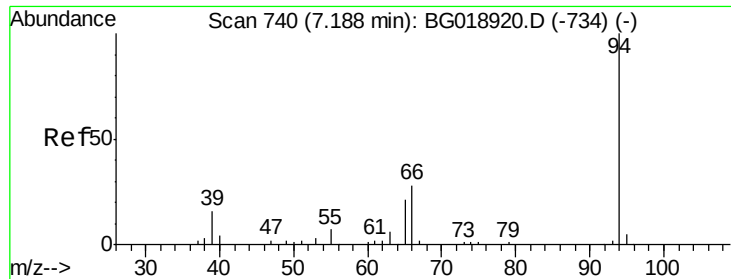
Instrument :
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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 12.31 ng/ul

RT: 7.19 min Scan# 741

Delta R.T. 0.01 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

Instrument :

BNA_G

ClientSampleId :

D9G73MSD

Tgt Ion: 94 Resp: 65827

Ion Ratio Lower Upper

94 100

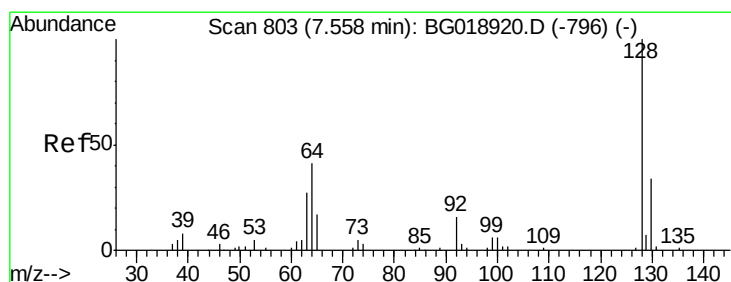
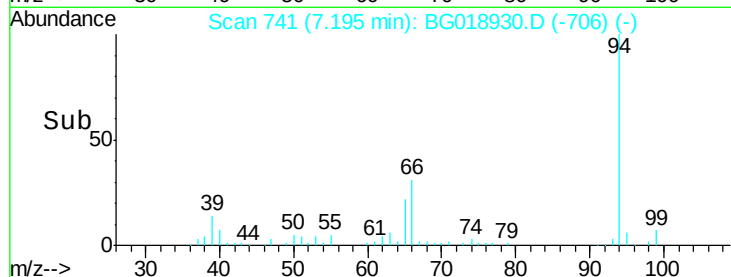
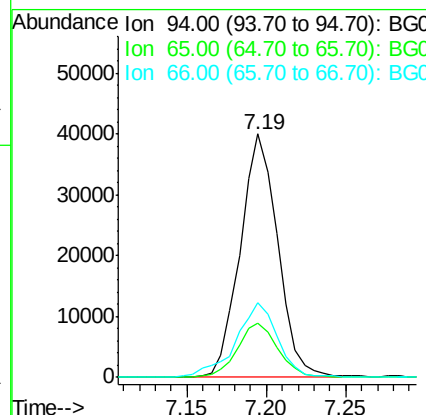
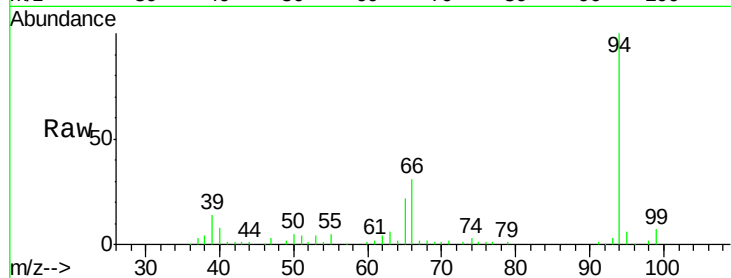
65 22.2 23.0 34.6#

66 30.6 31.0 46.4#

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#10

2-Chlorophenol

Concen: 12.86 ng/ul

RT: 7.56 min Scan# 804

Delta R.T. 0.01 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

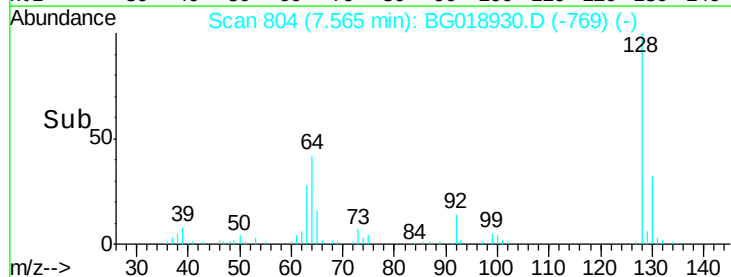
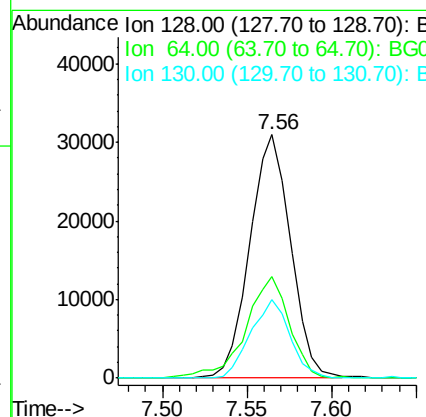
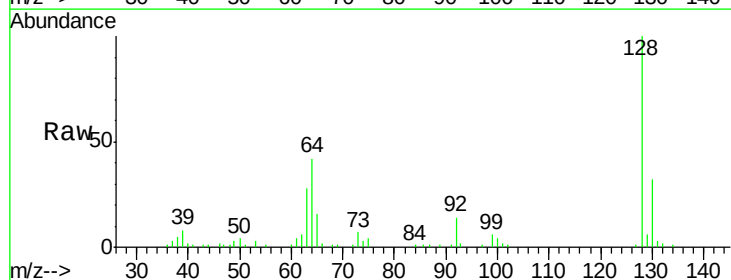
Tgt Ion: 128 Resp: 52135

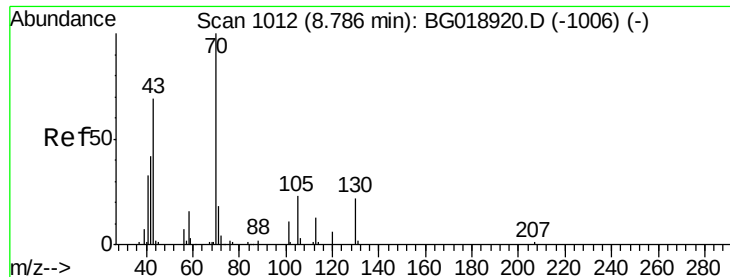
Ion Ratio Lower Upper

128 100

64 41.8 40.9 61.3

130 32.4 24.5 36.7





#15

N-Nitroso-di-n-propylamine

Concen: 10.95 ng/ul

RT: 8.79 min Scan# 1013

Delta R.T. 0.01 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

Instrument :

BNA_G

ClientSampleId :

D9G73MSD

Tgt Ion: 70 Resp: 36084
Ion Ratio Lower Upper

70 100

42 47.1 50.7 76.1#

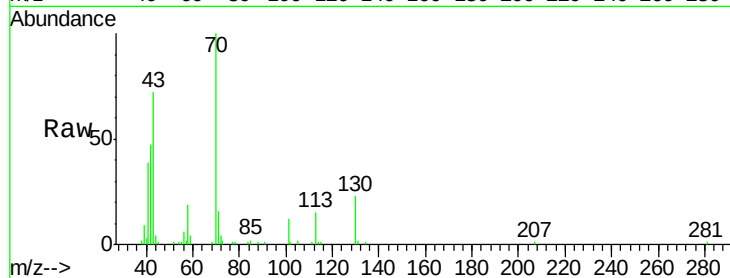
101 12.0 7.4 11.2#

130 22.5 15.8 23.6

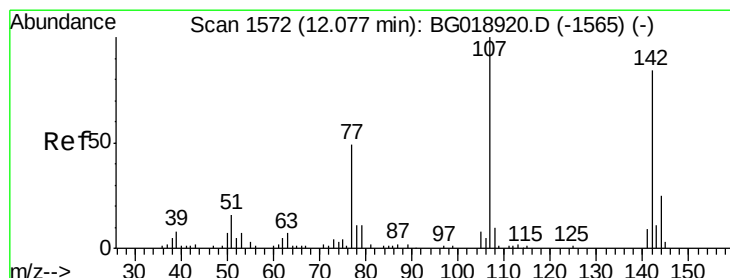
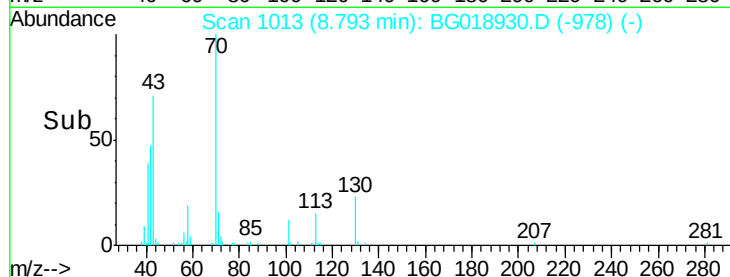
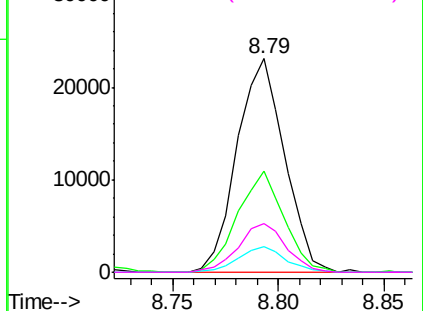
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Abundance Ion 70.00 (69.70 to 70.70): BG018930.D (-978) (-)
Ion 42.00 (41.70 to 42.70): BG018930.D (-978) (-)
Ion 101.00 (100.70 to 101.70): BG018930.D (-978) (-)
Ion 130.00 (129.70 to 130.70): BG018930.D (-978) (-)



#33

4-Chloro-3-methylphenol

Concen: 11.67 ng/ul

RT: 12.08 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BG018930.D

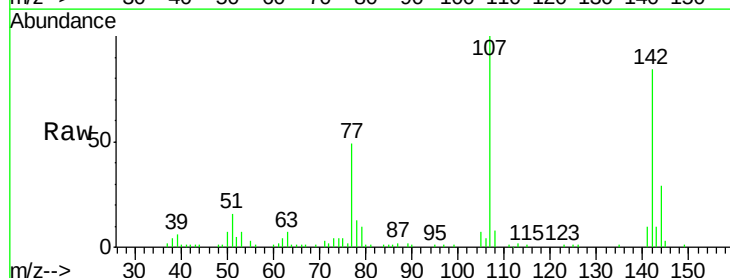
Acq: 27 Sep 2015 2:01

Tgt Ion: 107 Resp: 53945
Ion Ratio Lower Upper

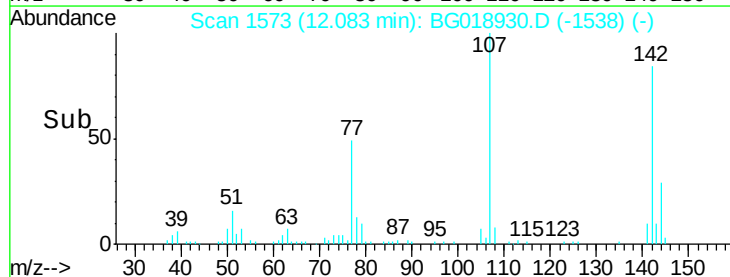
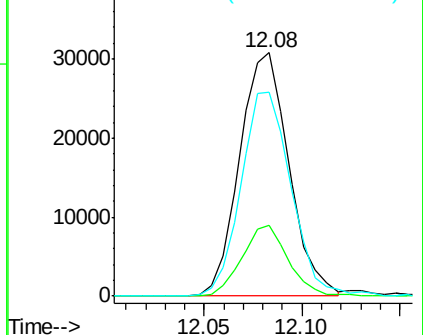
107 100

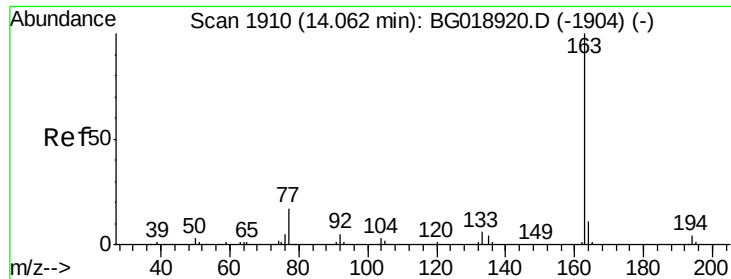
144 29.2 21.4 32.2

142 83.9 66.0 99.0



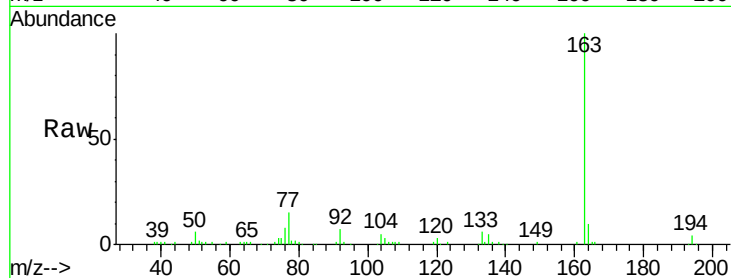
Abundance Ion 107.00 (106.70 to 107.70): BG018930.D (-1538) (-)
Ion 144.00 (143.70 to 144.70): BG018930.D (-1538) (-)
Ion 142.00 (141.70 to 142.70): BG018930.D (-1538) (-)





#45
Dimethylphthalate
Concen: 4.55 ng/ul
RT: 14.06 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01

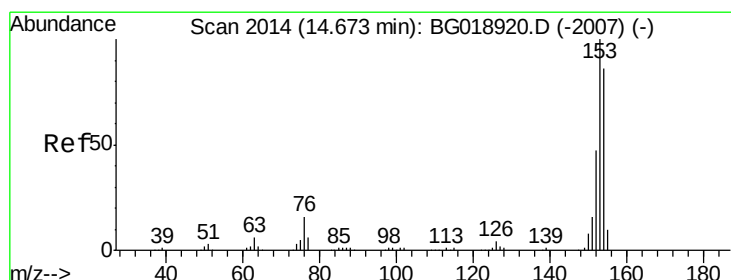
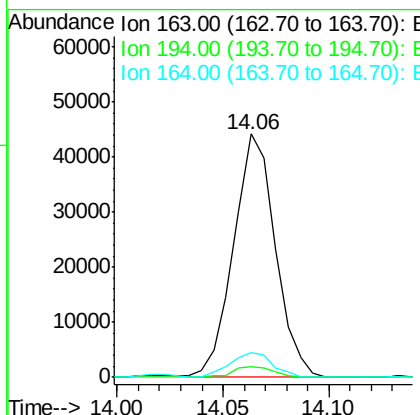
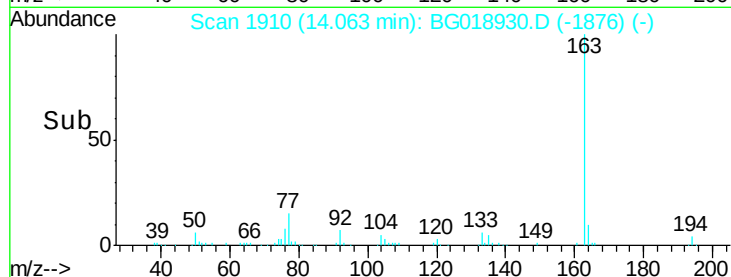
Instrument :
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ClientSampleId :
D9G73MSD



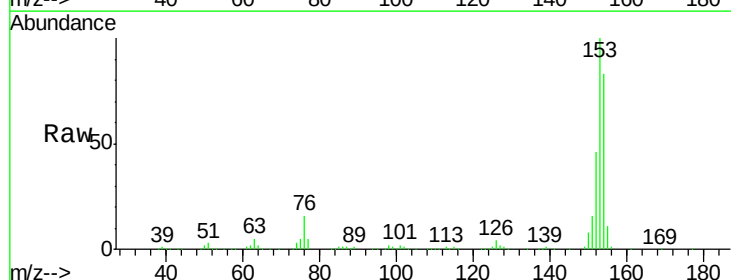
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.2	2.9	4.3
164	10.2	7.7	11.5

Manual Integrations
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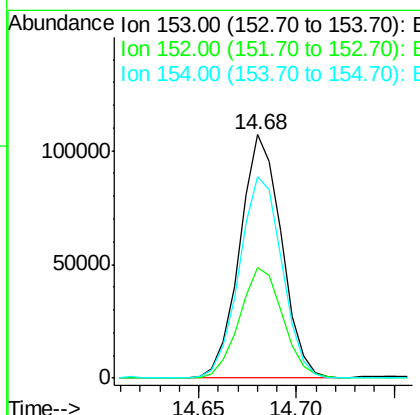
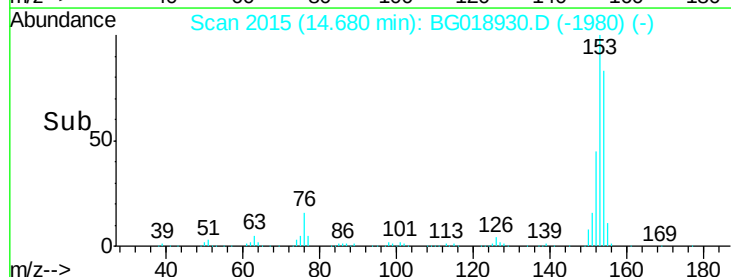
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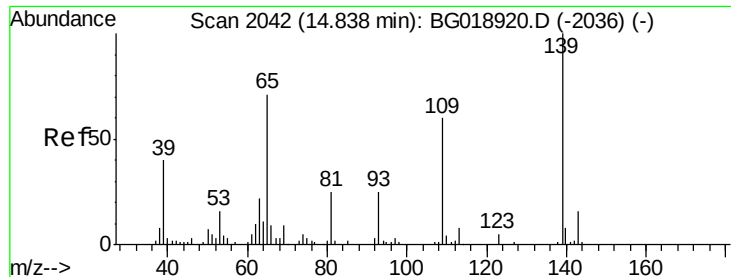


#50
Acenaphthene
Concen: 13.58 ng/ul
RT: 14.68 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01



Tgt Ion	Ratio	Resp Lower	Resp Upper
153	100		
152	45.6	38.2	57.4
154	82.8	68.6	103.0





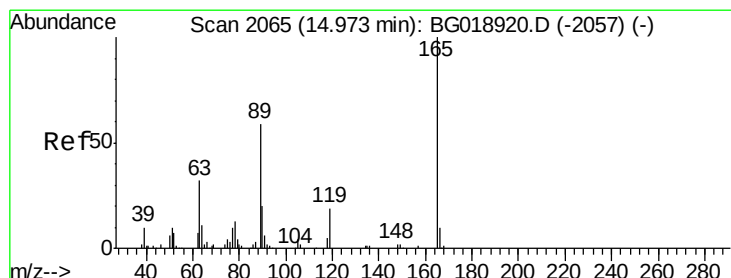
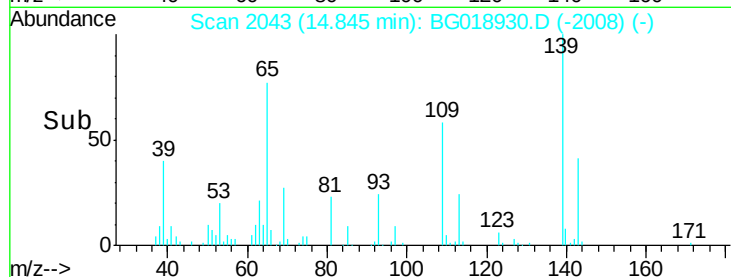
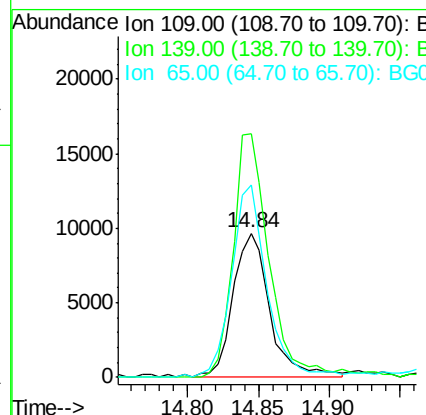
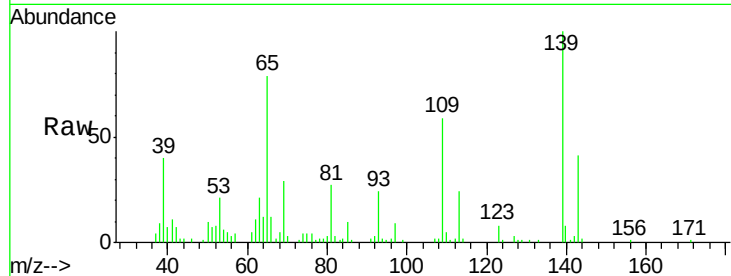
#53
4-Nitrophenol
Concen: 9.73 ng/ul
RT: 14.84 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
109	100	17575		
139	169.2	111.3	166.9#	
65	133.4	105.3	157.9	

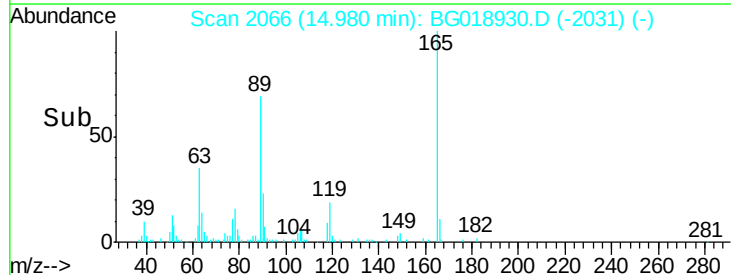
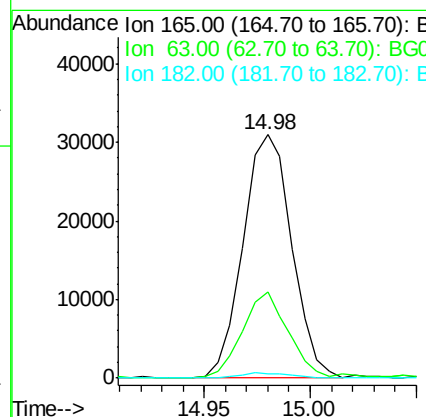
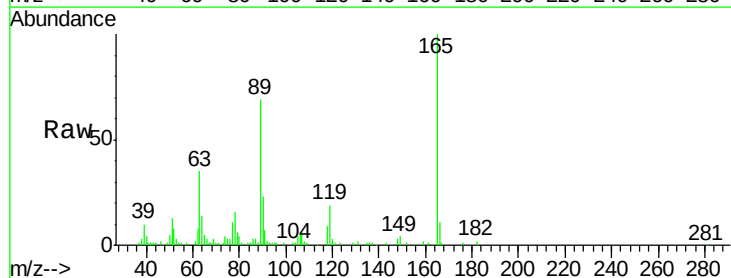
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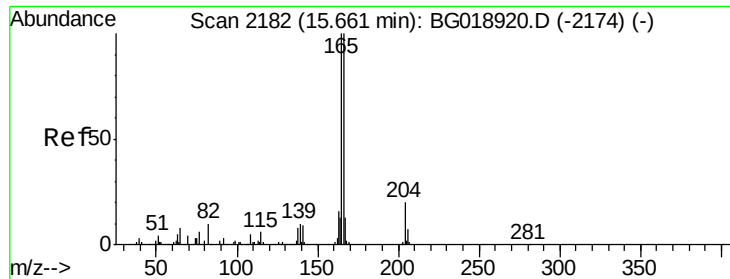
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#55
2,4-Dinitrotoluene
Concen: 12.38 ng/ul
RT: 14.98 min Scan# 2066
Delta R.T. 0.01 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	49349		
63	35.4	36.7	55.1#	
182	1.7	2.2	3.2#	





#59

Fluorene

Concen: 1.08 ng/ul

RT: 15.66 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

Instrument :

BNA_G

ClientSampleId :

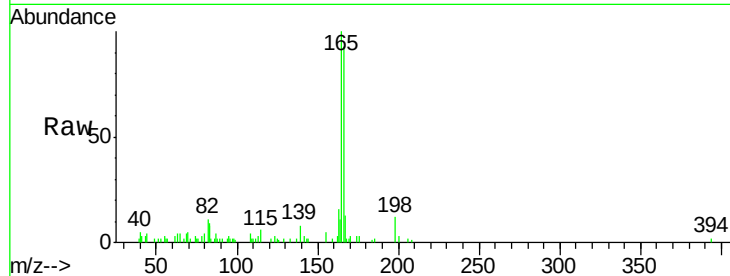
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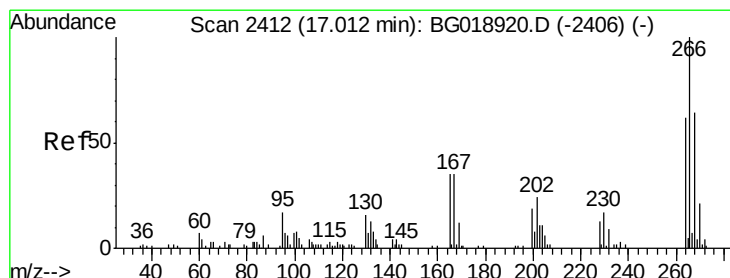
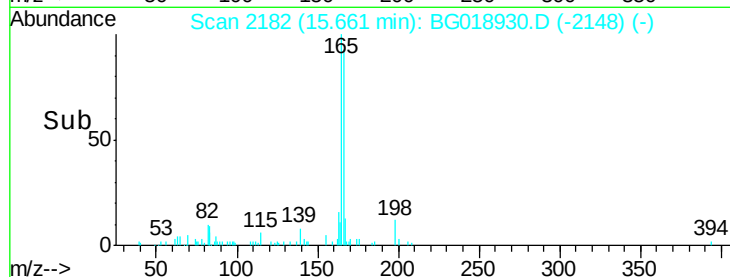
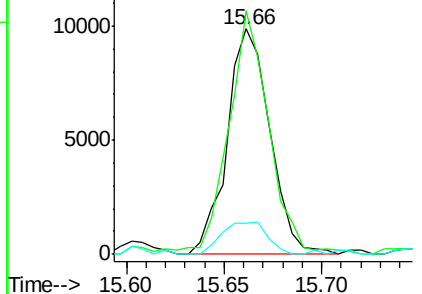
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	14996		
165	107.9	82.6	124.0	
167	14.0	11.4	17.0	



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 9.18 ng/ul

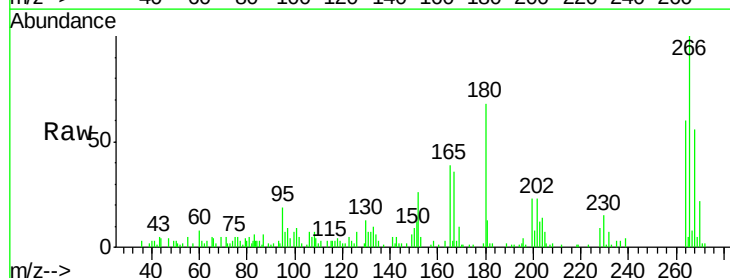
RT: 17.02 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

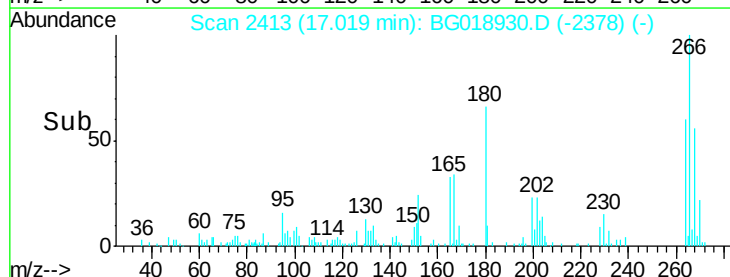
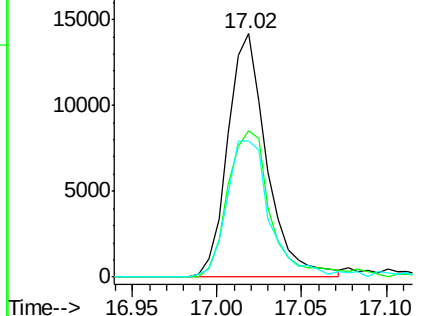
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	22814		
264	59.9	55.4	83.0	
268	55.7	53.6	80.4	

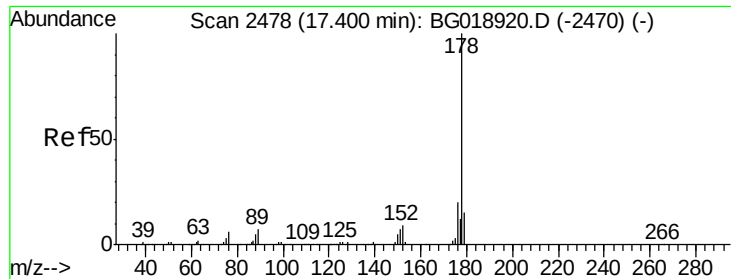


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 23.38 ng/ul

RT: 17.40 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BG018930.D

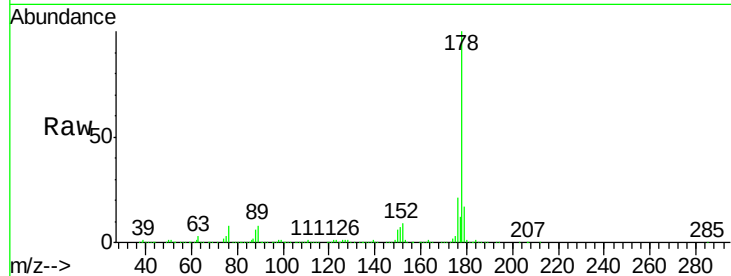
Acq: 27 Sep 2015 2:01

Instrument :

BNA_G

ClientSampleId :

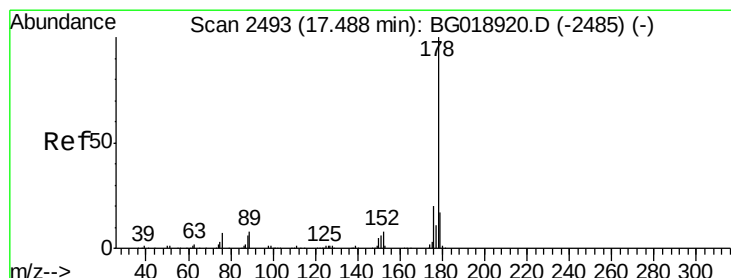
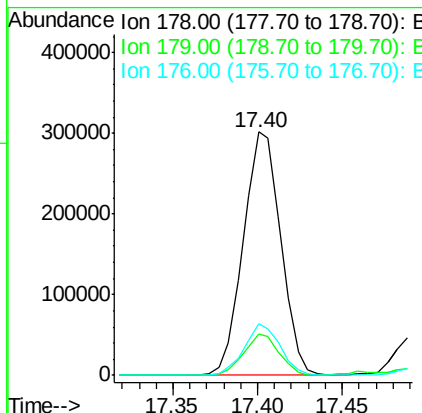
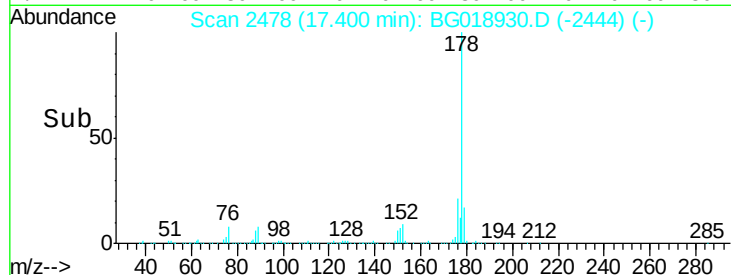
D9G73MSD



Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	13.7	20.5
176	21.0	16.6	24.8

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#72

Anthracene

Concen: 3.85 ng/ul

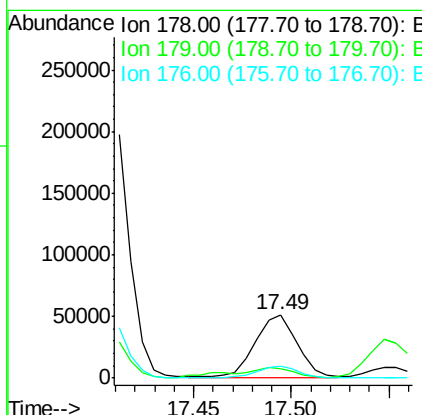
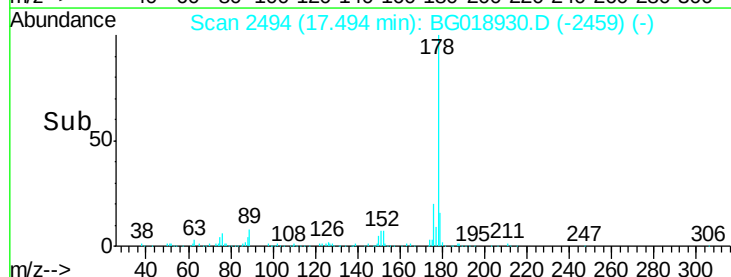
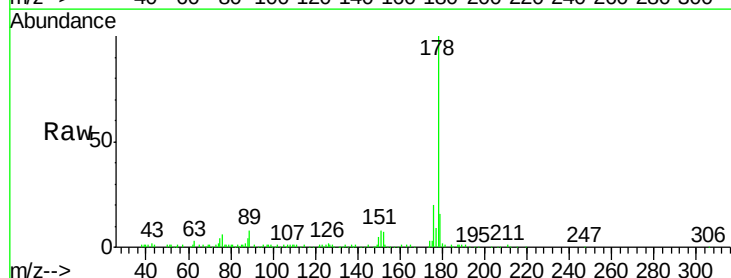
RT: 17.49 min Scan# 2494

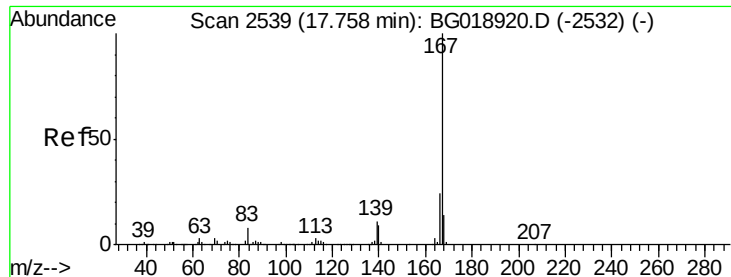
Delta R.T. 0.01 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.0	19.4
176	19.5	16.0	24.0





#75

Carbazole

Concen: 3.97 ng/ul

RT: 17.76 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

Instrument :

BNA_G

ClientSampleId :

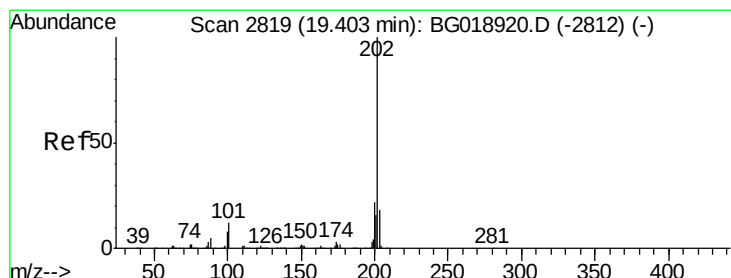
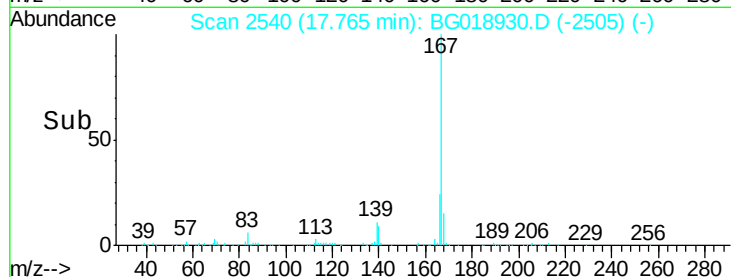
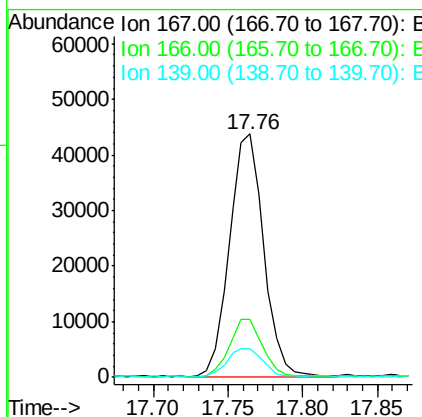
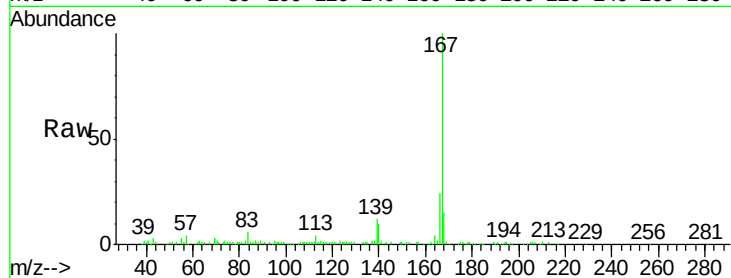
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Tgt Ion:	167	Resp:	70538
Ion Ratio	Lower	Upper	
167	100		
166	24.0	18.9	28.3
139	12.0	10.1	15.1



#77

Fluoranthene

Concen: 51.87 ng/ul

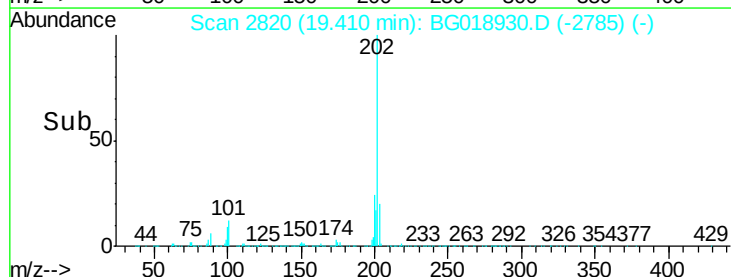
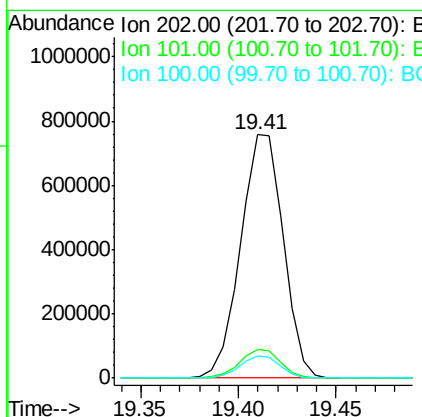
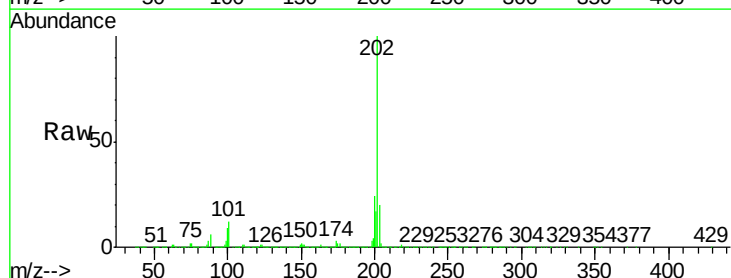
RT: 19.41 min Scan# 2820

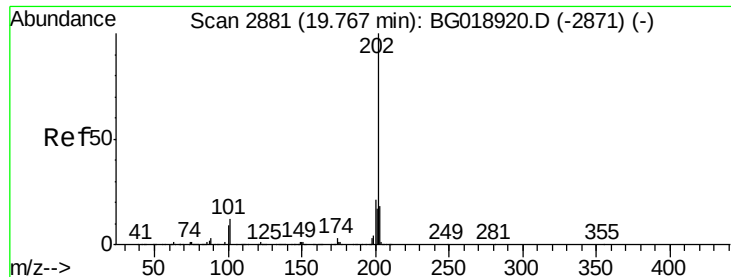
Delta R.T. 0.01 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

Tgt Ion:	202	Resp:	1146767
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.7	14.5
100	9.2	7.8	11.8





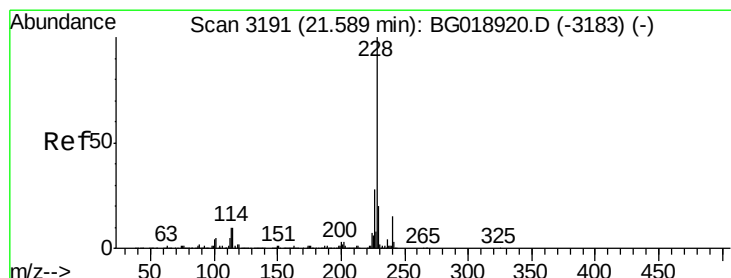
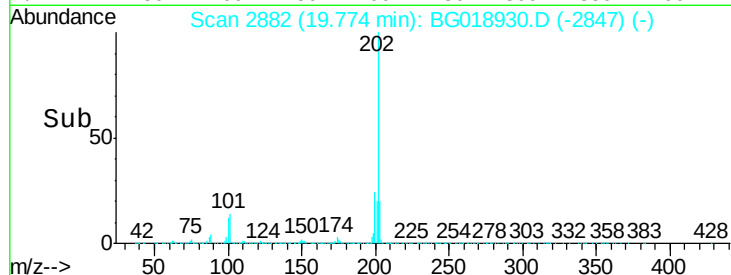
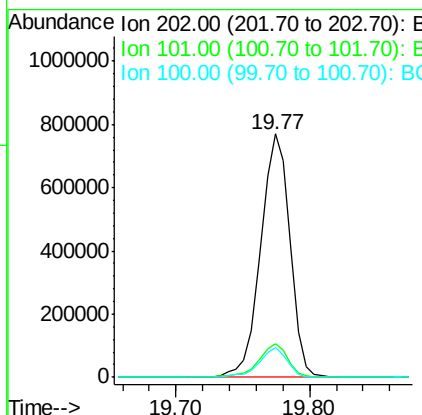
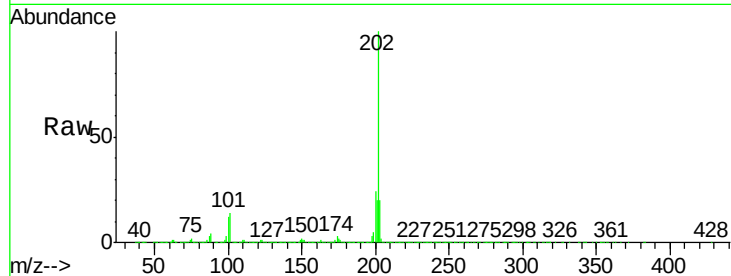
#80
 Pyrene
 Concen: 50.79 ng/ul
 RT: 19.77 min Scan# 2882
 Delta R.T. 0.01 min
 Lab File: BG018930.D
 Acq: 27 Sep 2015 2:01

Instrument :
 BNA_G
 ClientSampleId :
 D9G73MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.0	16.4
100	12.0	9.8	14.6

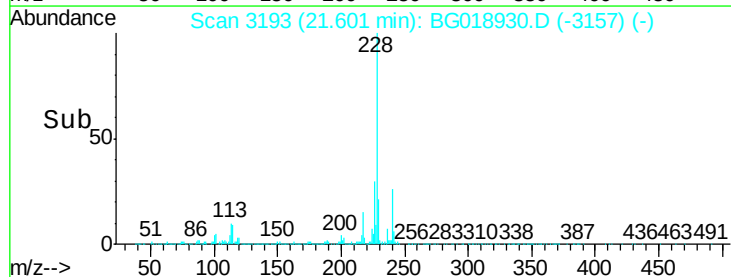
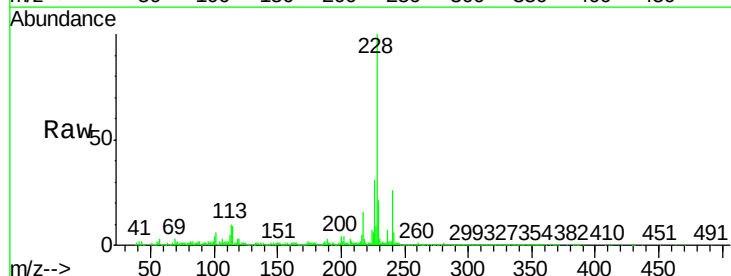
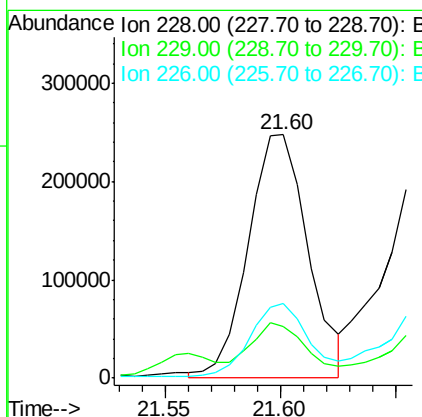
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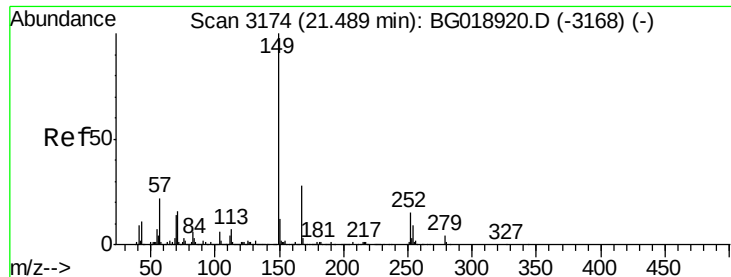
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#83
 Benzo(a)anthracene
 Concen: 20.55 ng/ul
 RT: 21.60 min Scan# 3193
 Delta R.T. 0.01 min
 Lab File: BG018930.D
 Acq: 27 Sep 2015 2:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.5	23.3
226	30.6	22.1	33.1





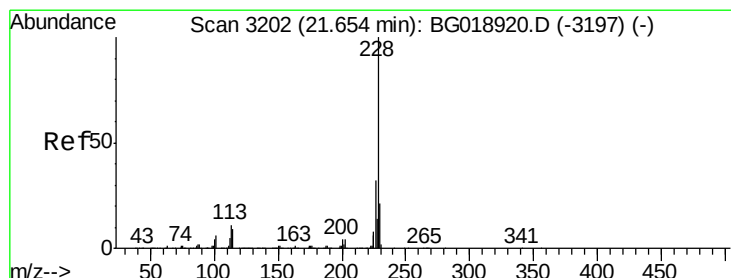
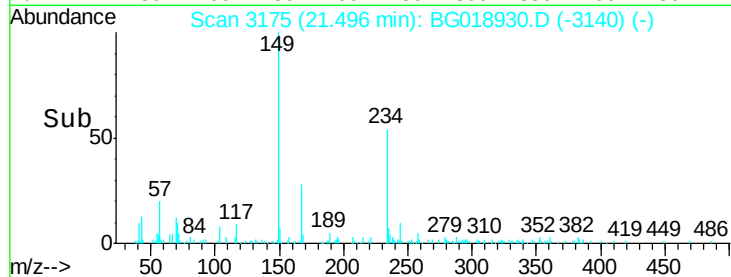
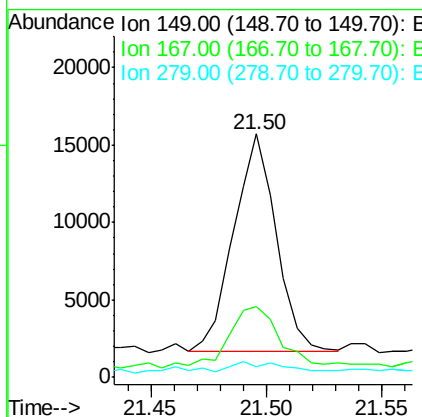
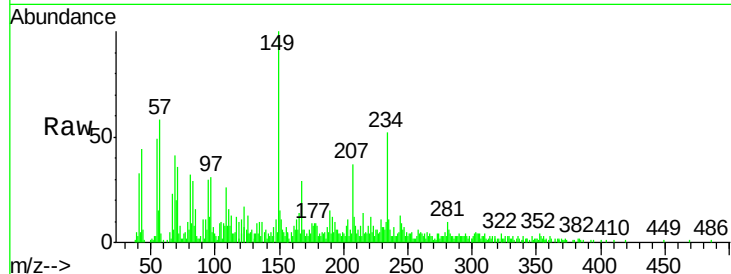
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.39 ng/ul
 RT: 21.50 min Scan# 3175
 Delta R.T. 0.01 min
 Lab File: BG018930.D
 Acq: 27 Sep 2015 2:01

Instrument :
 BNA_G
 ClientSampleId :
 D9G73MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	28.9	22.2	33.2
279	4.6	2.8	4.2

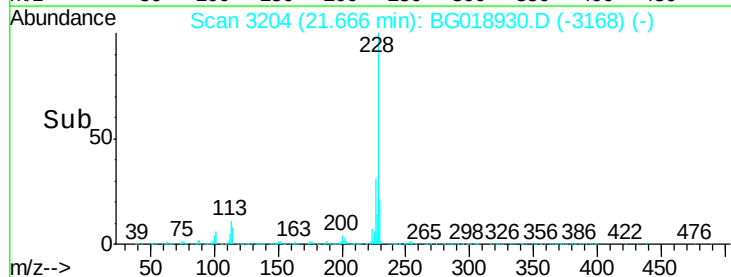
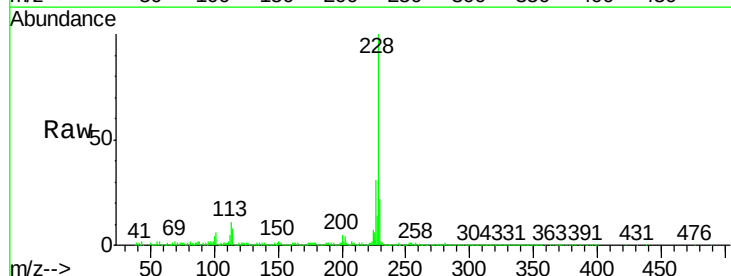
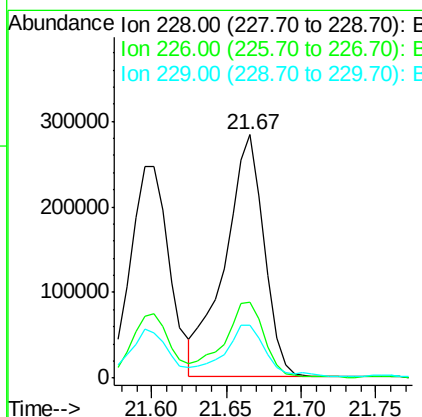
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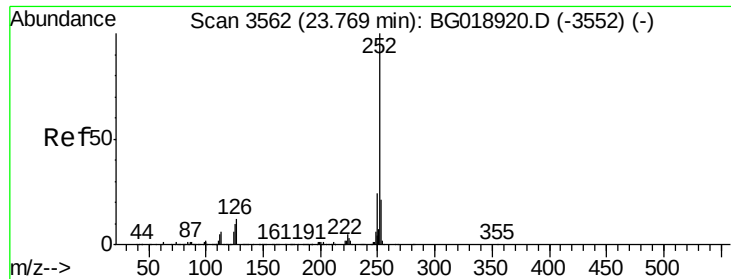
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#85
 Chrysene
 Concen: 26.06 ng/ul
 RT: 21.67 min Scan# 3204
 Delta R.T. 0.01 min
 Lab File: BG018930.D
 Acq: 27 Sep 2015 2:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.0	26.5	39.7
229	21.7	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 35.37 ng/ul

RT: 23.80 min Scan# 3567

Delta R.T. 0.03 min

Lab File: BG018930.D

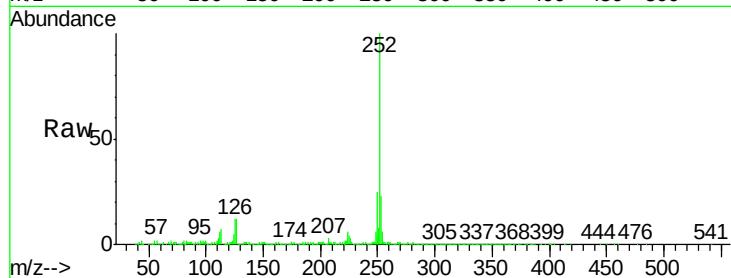
Acq: 27 Sep 2015 2:01

Instrument :

BNA_G

ClientSampleId :

D9G73MSD



Tgt Ion: 252 Resp: 800618

Ion Ratio Lower Upper

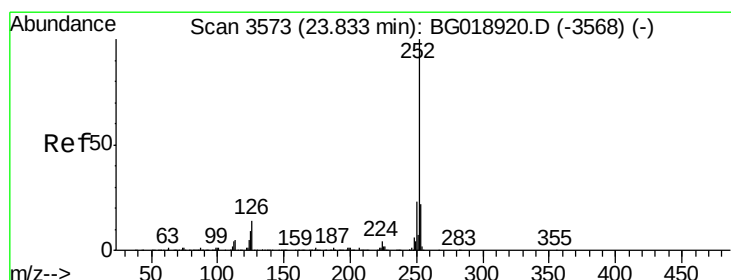
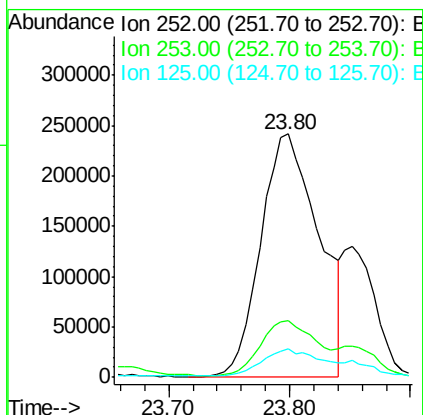
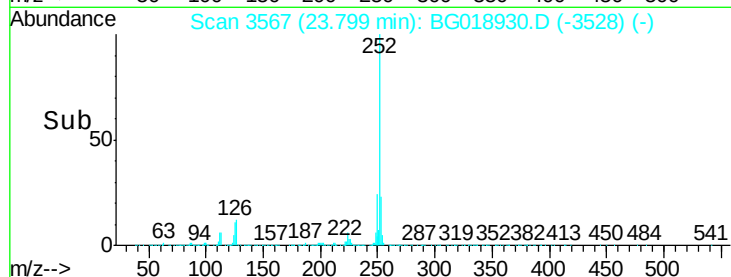
252 100

253 23.4 18.1 27.1

125 11.7 8.3 12.5

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#89

Benzo(k)fluoranthene

Concen: 11.14 ng/ul m

RT: 23.85 min Scan# 3576

Delta R.T. 0.02 min

Lab File: BG018930.D

Acq: 27 Sep 2015 2:01

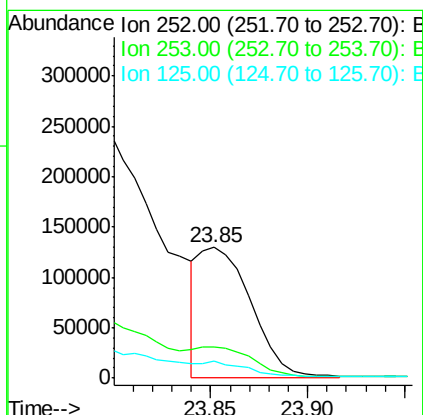
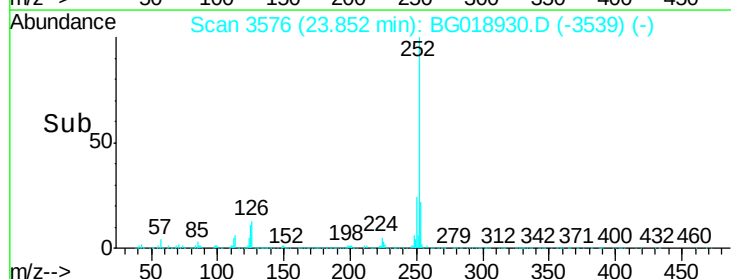
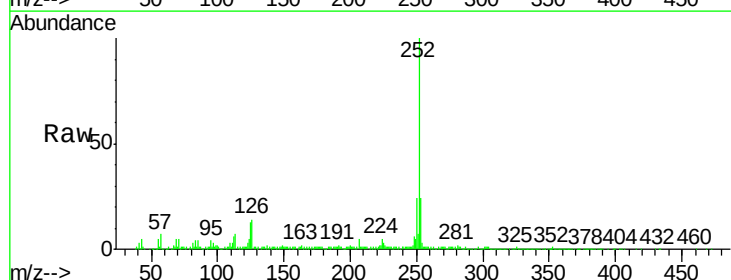
Tgt Ion: 252 Resp: 241496

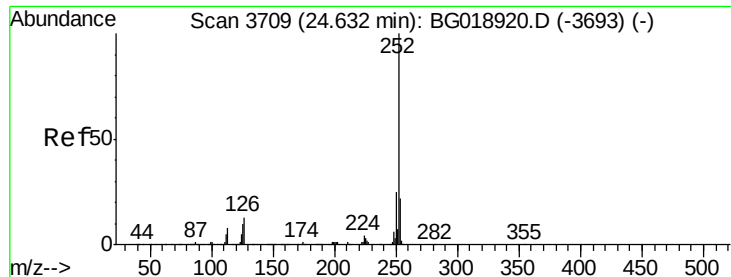
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 12.9 9.0 13.4





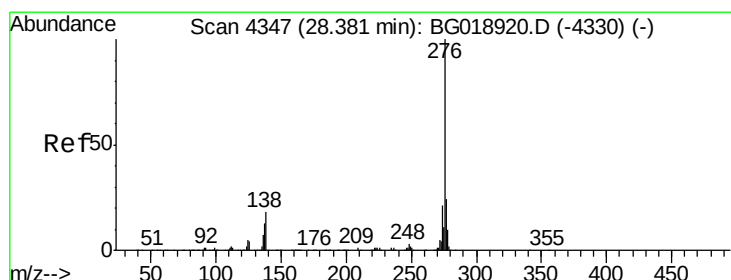
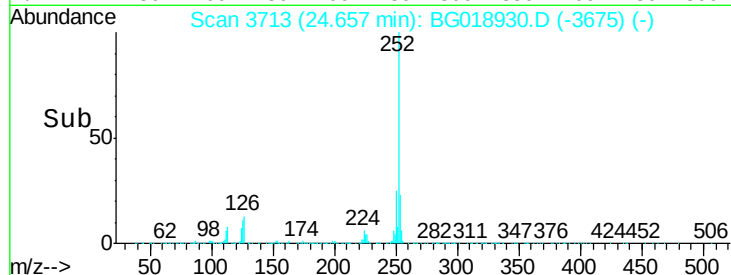
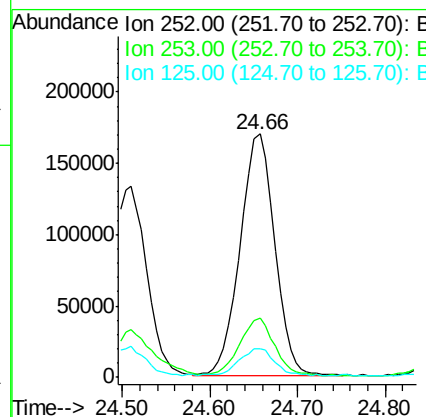
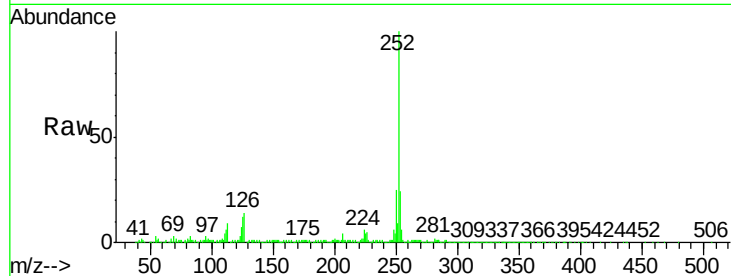
#91
Benzo(a)pyrene
Concen: 21.10 ng/ul
RT: 24.66 min Scan# 3713
Delta R.T. 0.02 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01

Instrument :
BNA_G
ClientSampleId :
D9G73MSD

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	453851		
253	24.2	17.7	26.5	
125	11.7	10.2	15.2	

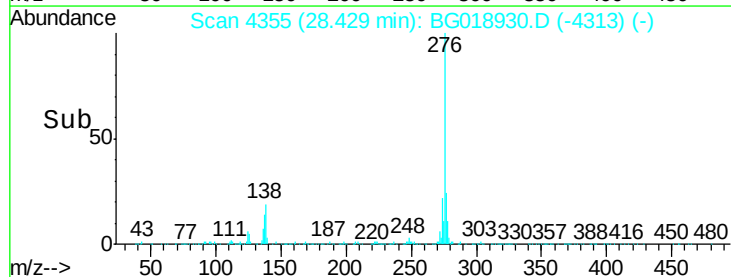
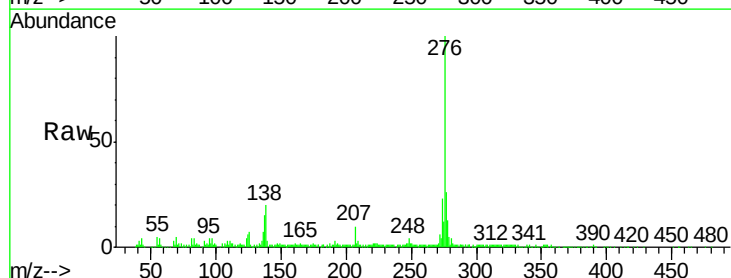
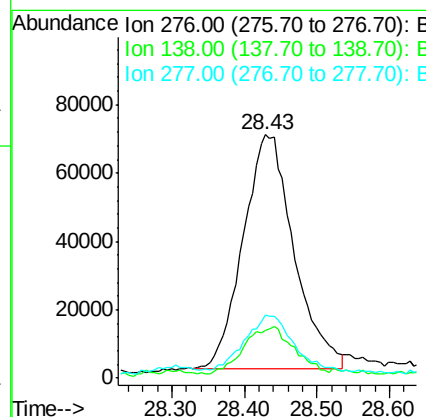
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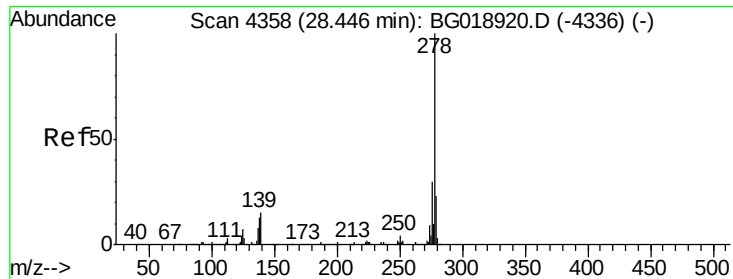
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#92
Indeno(1,2,3-cd)pyrene
Concen: 13.48 ng/ul
RT: 28.43 min Scan# 4355
Delta R.T. 0.05 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	336147		
138	19.9	15.8	23.6	
277	25.8	18.9	28.3	





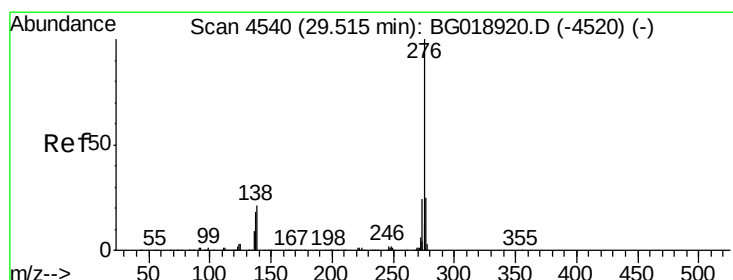
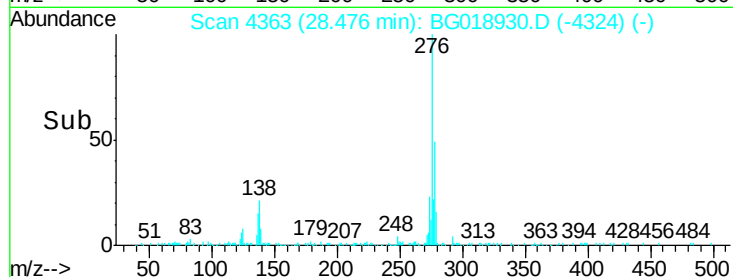
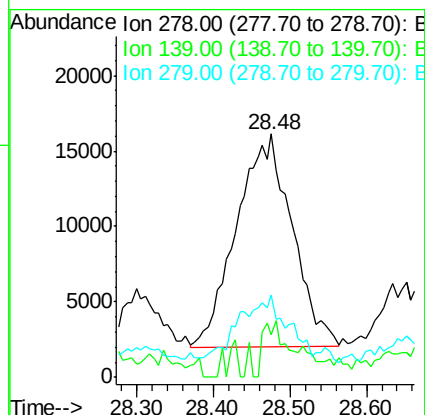
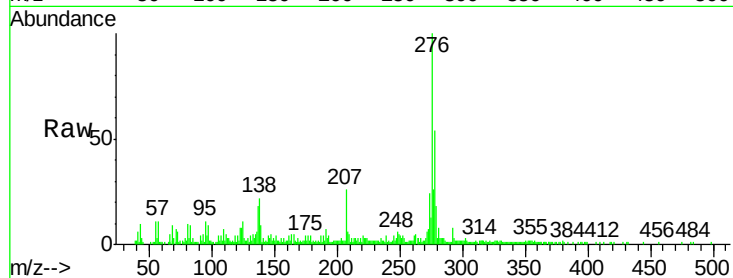
#93
Dibenzo(a,h)anthracene
Concen: 3.55 ng/ul m
RT: 28.48 min Scan# 4363
Delta R.T. 0.03 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01

Instrument :
BNA_G
ClientSampleId :
D9G73MSD

Tgt Ion:	278	Resp:	70990
Ion Ratio	Lower	Upper	
278	100		
139	17.5	13.8	20.6
279	33.9	17.8	26.8#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 13.35 ng/ul
RT: 29.57 min Scan# 4549
Delta R.T. 0.05 min
Lab File: BG018930.D
Acq: 27 Sep 2015 2:01

Tgt Ion:	276	Resp:	278052
Ion Ratio	Lower	Upper	
276	100		
138	21.3	16.5	24.7
277	23.0	19.0	28.6

