

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
 Data File : BG021898.D
 Acq On : 15 May 2016 18:15
 Operator : UM/SJ
 Sample : H3096-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG5

Manual Integrations
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Quant Time: May 16 14:43:07 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56009	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	283130	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	172903	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	373508	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	370553	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	374309	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2864	2.47	ng/uL	0.00
5) Phenol-d5	7.32	99	55546	13.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	31607	15.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	57721	17.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	34596	9.91	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	30992	16.65	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	34338	29.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	60431	18.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	55560m	15.51	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	214895	17.69	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	293436	17.02	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	14536m	6.98	ng/ul	0.01
58) Fluorene-d10	15.78	176	202310	15.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	20909	20.21	ng/ul	0.00
71) Anthracene-d10	17.63	188	290056	15.95	ng/ul	0.00
77) Pyrene-d10	19.91	212	317923	18.33	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	298325	16.77	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	11.04	128	58484	4.12	ng/ul	99
34) 2-Methylnaphthalene	12.63	142	14702	1.41	ng/ul	97
35) 1-Methylnaphthalene	12.85	142	11285	1.09	ng/ul#	94
45) Dimethylphthalate	14.23	163	43532	3.52	ng/ul	98
50) Acenaphthene	14.86	153	57172	4.66	ng/ul	98
54) Dibenzofuran	15.19	168	30926m	1.88	ng/ul	
59) Fluorene	15.84	166	33082	2.32	ng/ul	96
69) Pentachlorophenol	17.19	266	2908	1.69	ng/ul#	76
70) Phenanthrene	17.58	178	583624	28.58	ng/ul	97
72) Anthracene	17.67	178	108887	5.25	ng/ul	98
73) Carbazole	17.93	167	89926	5.00	ng/ul#	96
75) Fluoranthene	19.58	202	911663	39.29	ng/ul#	94
78) Pyrene	19.94	202	756913m	35.31	ng/ul	
79) Butylbenzylphthalate	20.81	149	7553m	1.59	ng/ul	
81) Benzo(a)anthracene	21.80	228	434693	21.08	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.68	149	108194	13.98	ng/ul	98
83) Chrysene	21.86	228	403320	19.77	ng/ul	95
86) Benzo(b)fluoranthene	24.10	252	663646	30.97	ng/ul#	95
87) Benzo(k)fluoranthene	24.16	252	193717m	8.45	ng/ul	
89) Benzo(a)pyrene	25.00	252	436090	20.45	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	28.97	276	332049	13.14	ng/ul	95
91) Dibenzo(a,h)anthracene	29.02	278	82008m	3.90	ng/ul	
92) Benzo(g,h,i)perylene	30.17	276	310367	14.88	ng/ul#	93

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

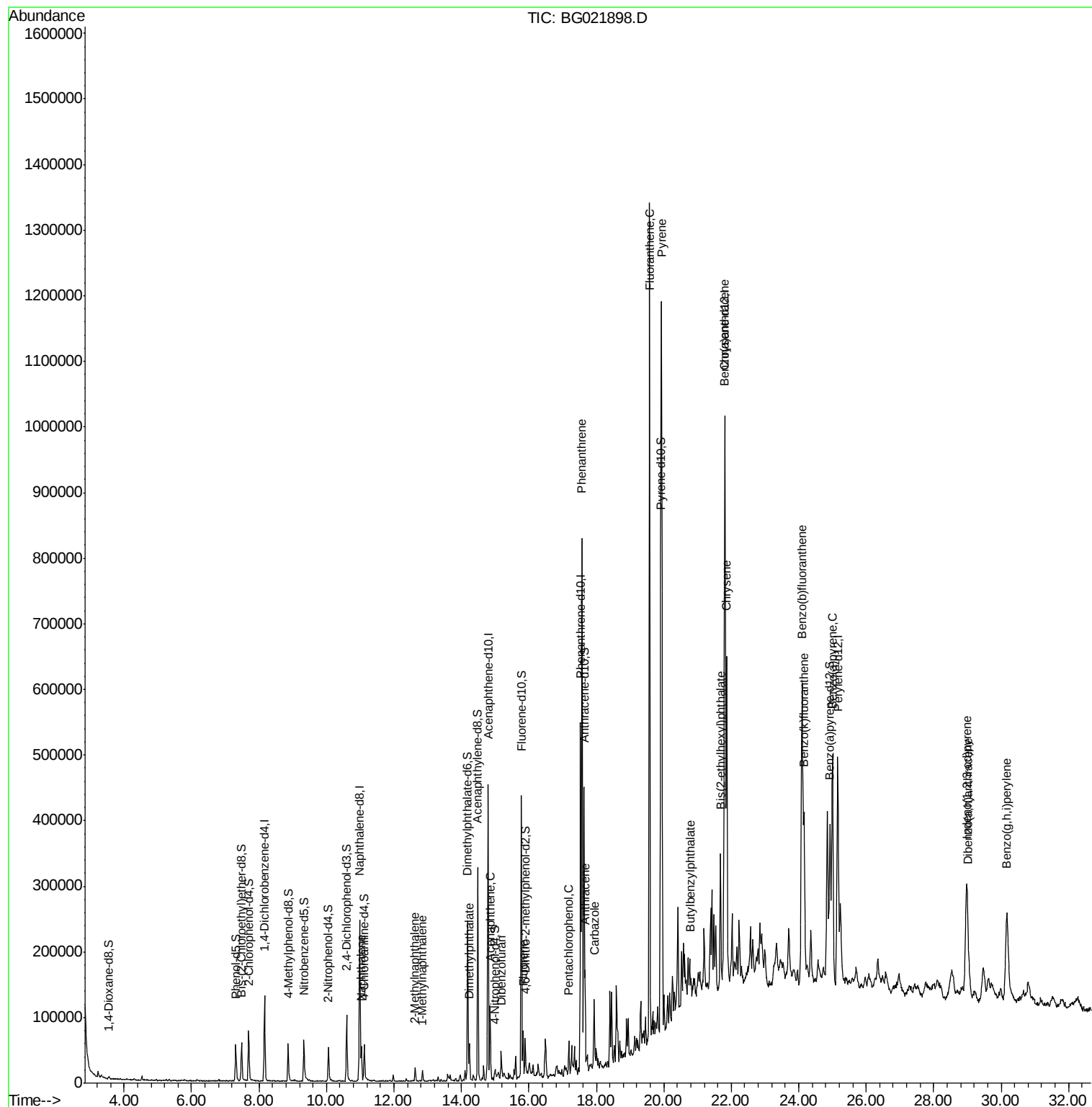
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
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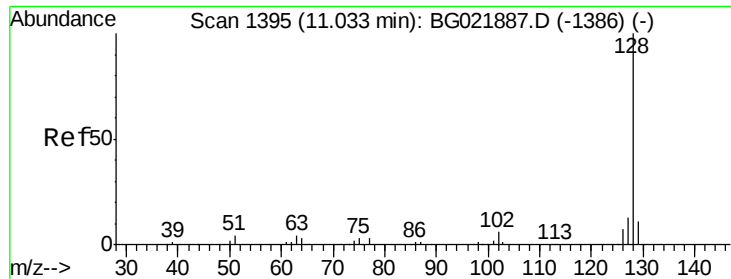
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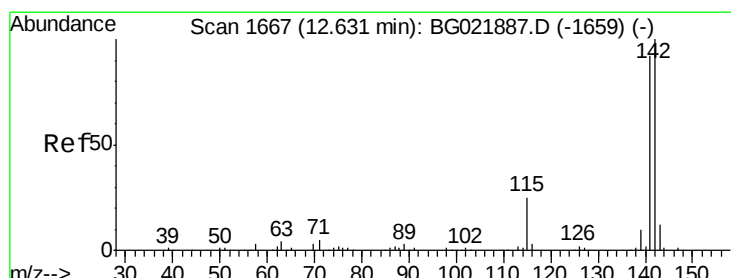
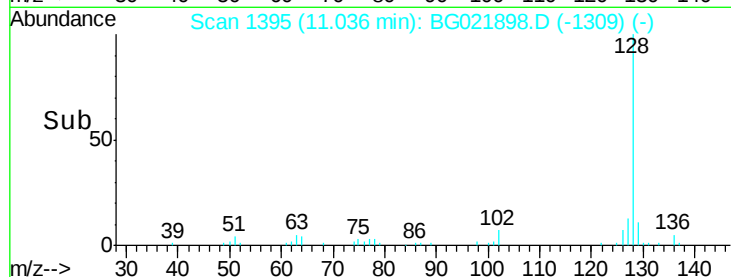
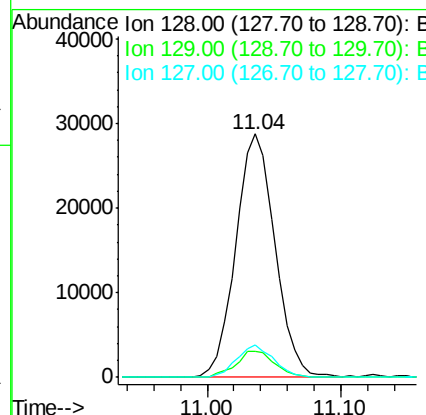
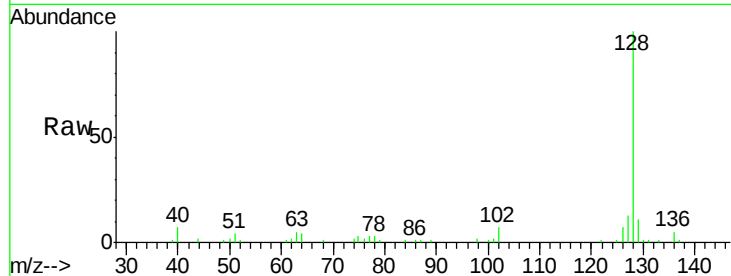
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Naphthalene
Concen: 4.12 ng/ul
RT: 11.04 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Instrument :
BNA_G
ClientSampleId :
D9XG5

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.3	12.5
127	13.2	10.8	16.2

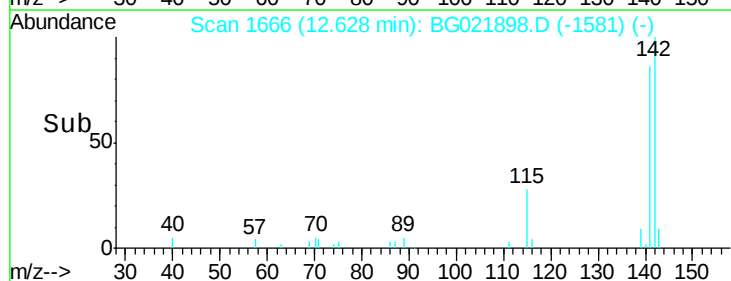
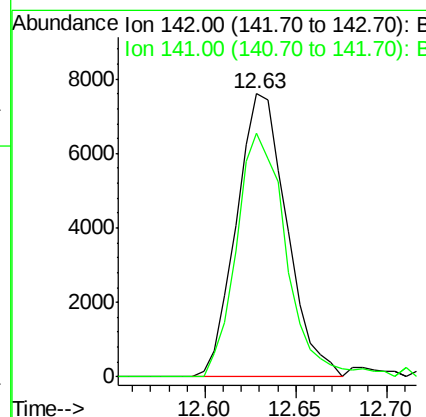
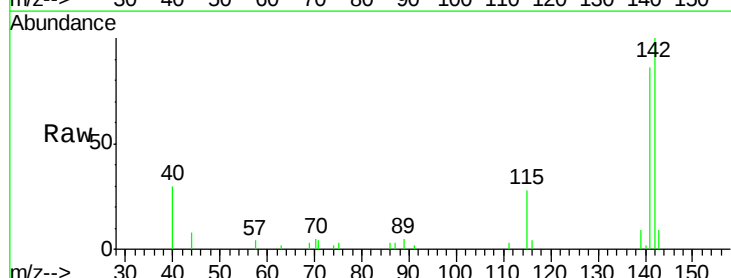
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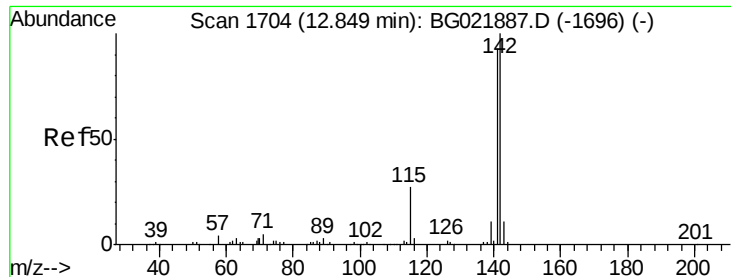
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#34
2-Methylnaphthalene
Concen: 1.41 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. -0.00 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	71.3	106.9





#35

1-Methylnaphthalene

Concen: 1.09 ng/ul

RT: 12.85 min Scan# 1703

Delta R.T. -0.00 min

Lab File: BG021898.D

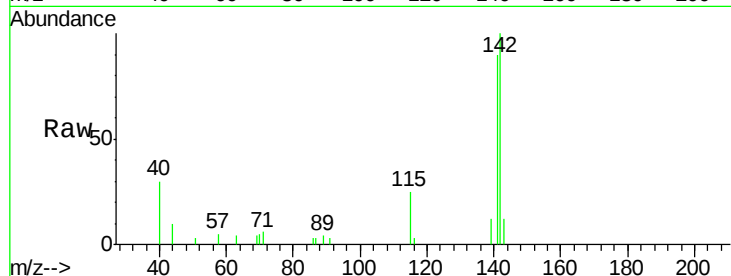
Acq: 15 May 2016 18:15

Instrument :

BNA_G

ClientSampleId :

D9XG5



Tgt Ion:142 Resp: 11285

Ion Ratio Lower Upper

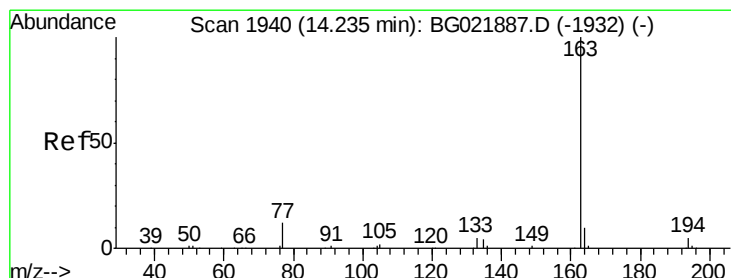
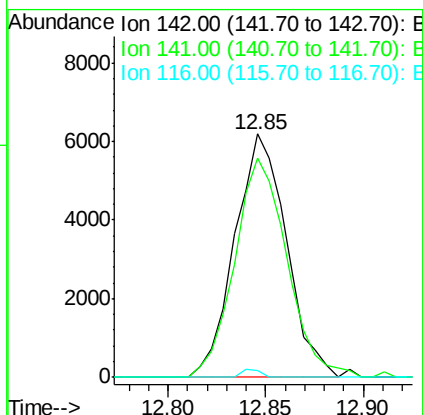
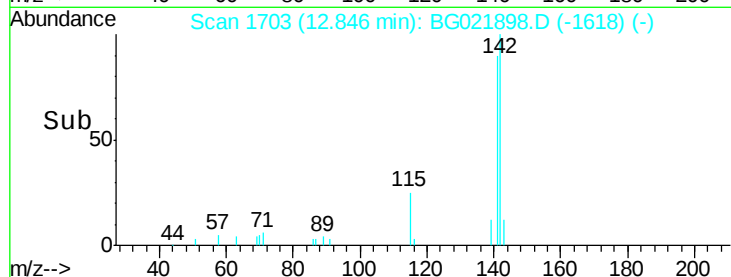
142 100

141 90.1 77.0 115.4

116 2.9 4.2 6.4#

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#45

Dimethylphthalate

Concen: 3.52 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

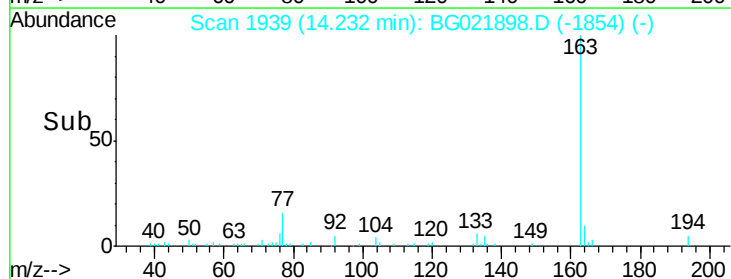
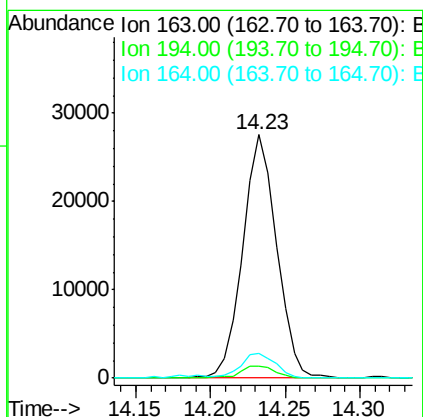
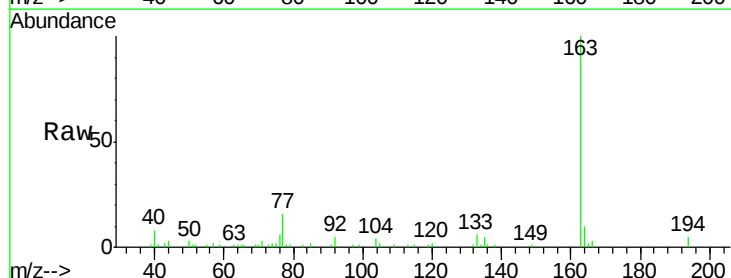
Tgt Ion:163 Resp: 43532

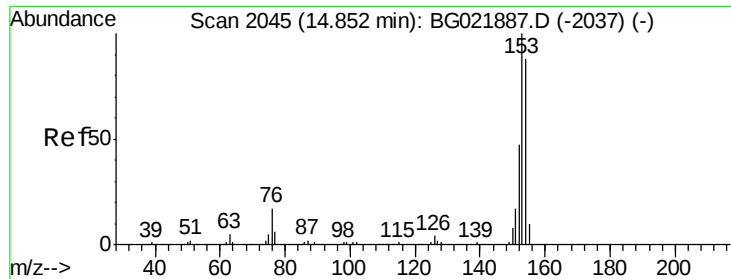
Ion Ratio Lower Upper

163 100

194 5.1 3.9 5.9

164 10.0 8.7 13.1





#50

Acenaphthene

Concen: 4.66 ng/ul

RT: 14.86 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG021898.D

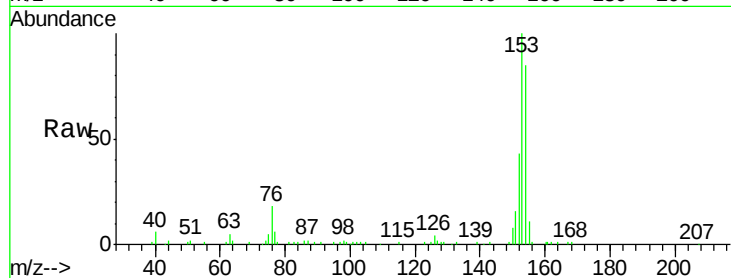
Acq: 15 May 2016 18:15

Instrument :

BNA_G

ClientSampleId :

D9XG5



Tgt Ion:153 Resp: 57172

Ion Ratio Lower Upper

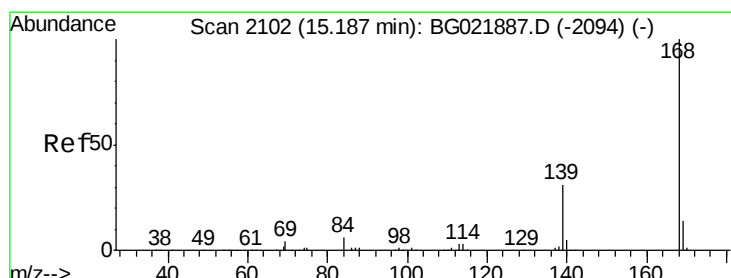
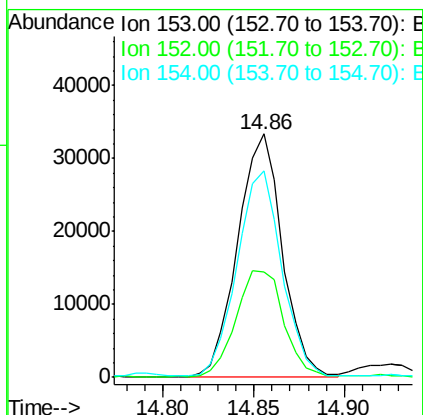
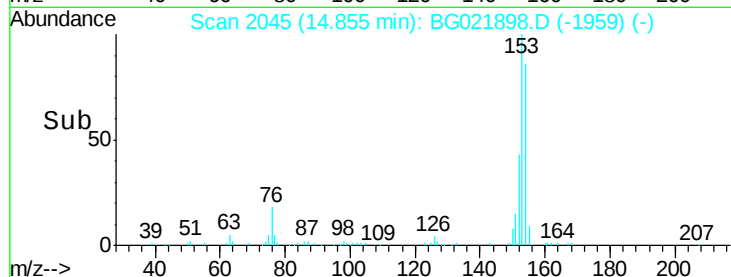
153 100

152 43.5 36.5 54.7

154 84.8 67.3 100.9

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#54

Dibenzofuran

Concen: 1.88 ng/ul m

RT: 15.19 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BG021898.D

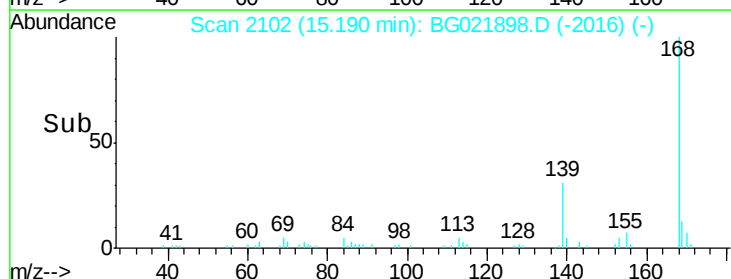
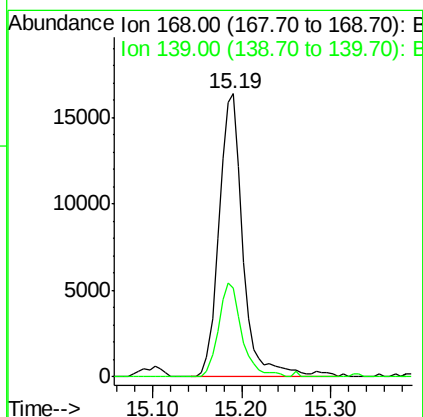
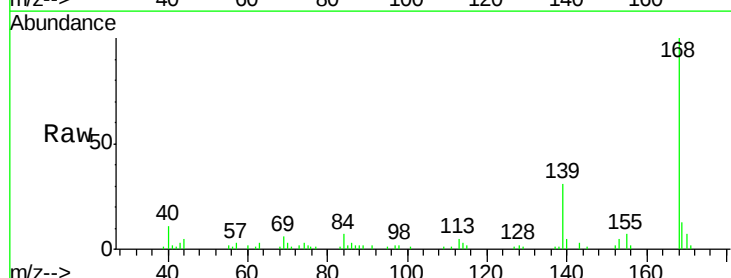
Acq: 15 May 2016 18:15

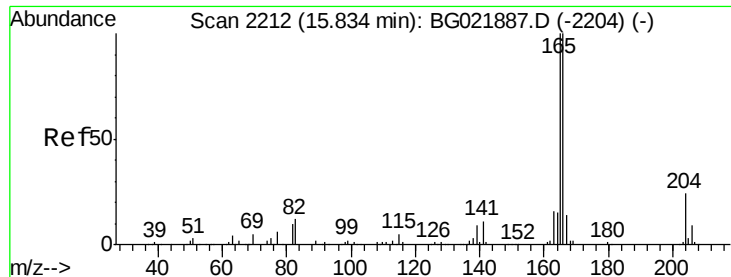
Tgt Ion:168 Resp: 30926

Ion Ratio Lower Upper

168 100

139 31.5 35.2 52.8#





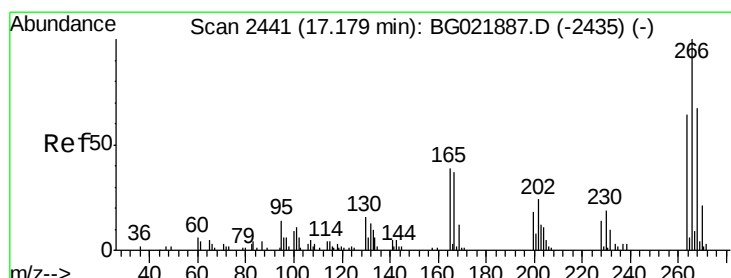
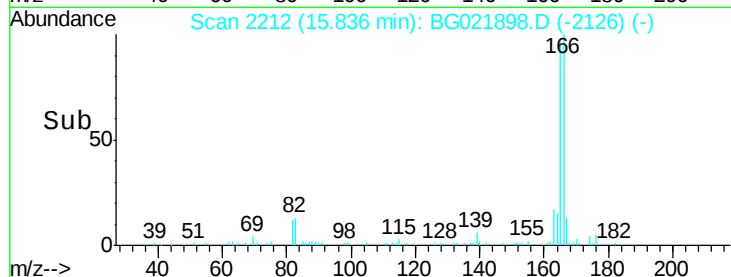
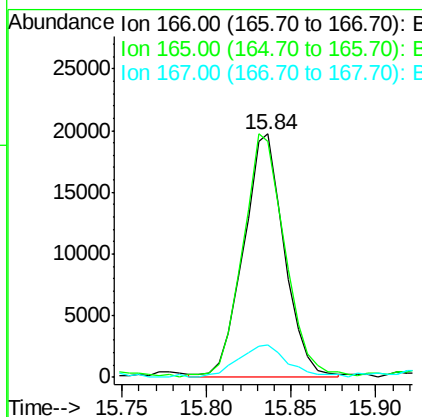
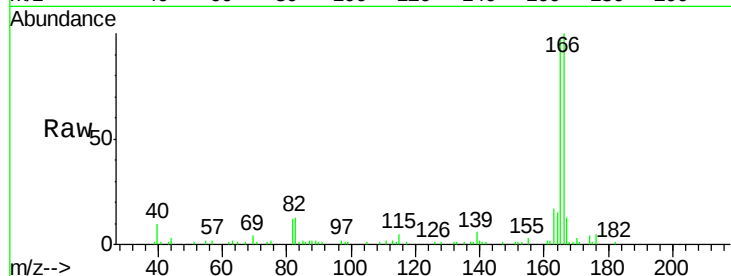
#59
Fluorene
 Concen: 2.32 ng/ul
 RT: 15.84 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Instrument :
 BNA_G
 ClientSampled :
 D9XG5

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	33082		
165	97.1	81.1	121.7	
167	13.2	10.6	16.0	

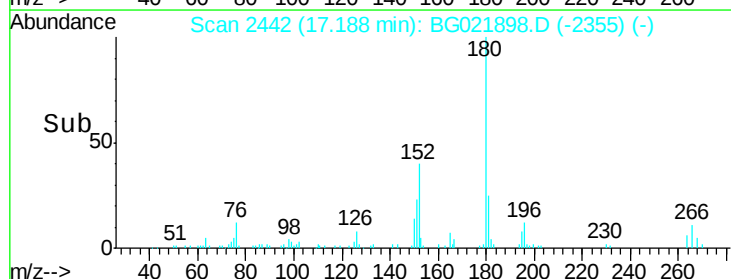
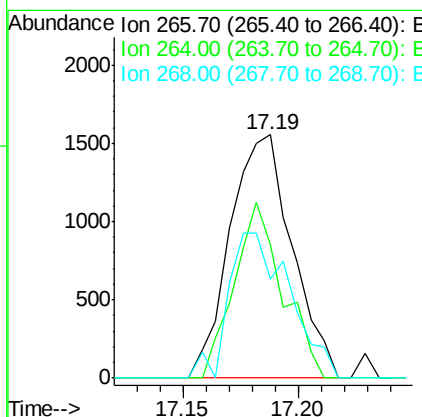
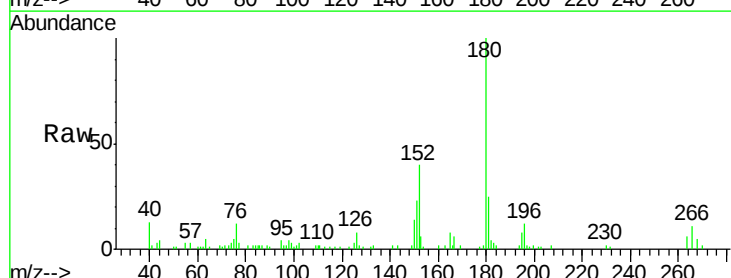
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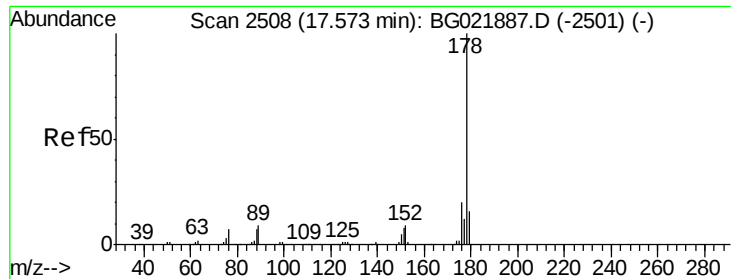
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#69
Pentachlorophenol
 Concen: 1.69 ng/ul
 RT: 17.19 min Scan# 2442
 Delta R.T. 0.01 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	2908		
264	54.8	56.7	85.1#	
268	40.6	50.6	76.0#	





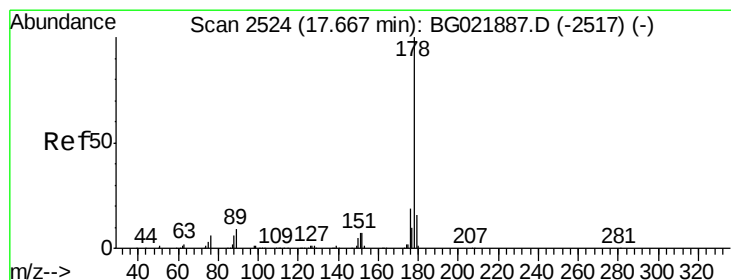
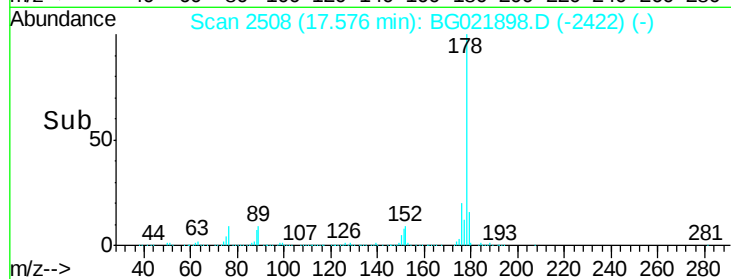
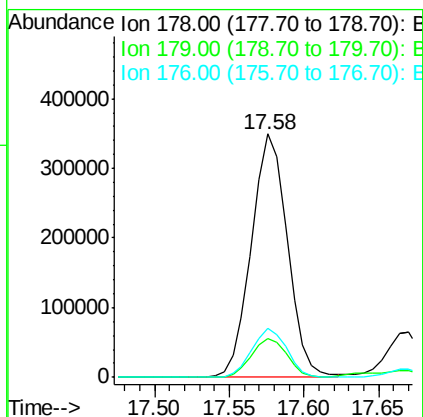
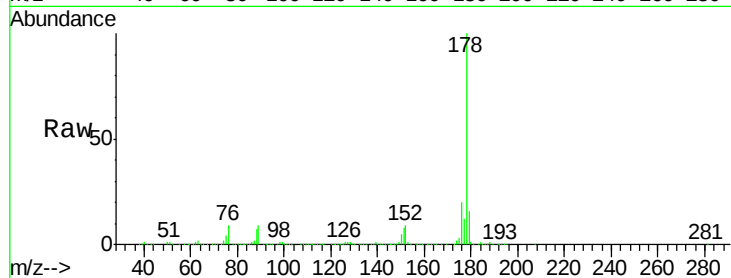
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Phenanthrene
Concen: 28.58 ng/ul
RT: 17.58 min Scan# 2508
Delta R.T. 0.00 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Instrument :
BNA_G
ClientSampleId :
D9XG5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.8	17.8
176	20.0	14.8	22.2

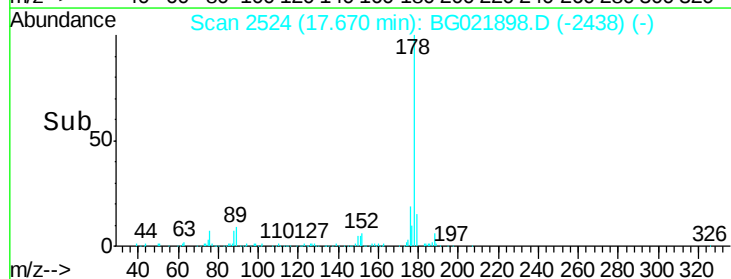
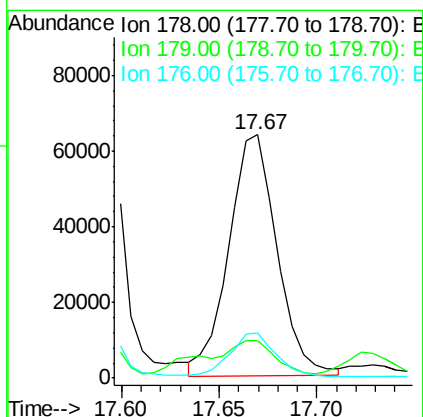
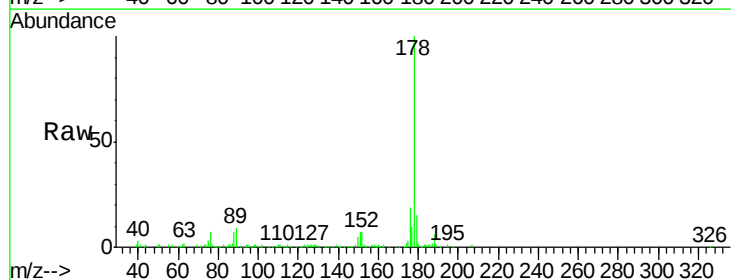
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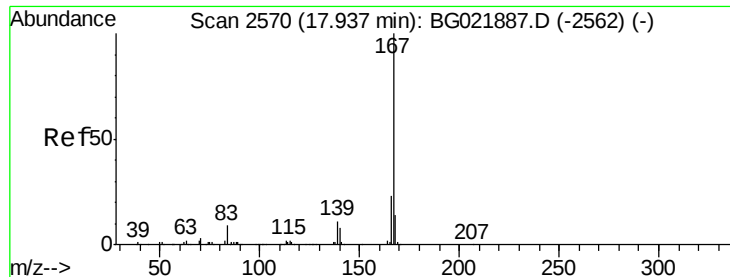
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#72
Anthracene
Concen: 5.25 ng/ul
RT: 17.67 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.9	19.3
176	18.8	15.6	23.4





#73

Carbazole

Concen: 5.00 ng/ul

RT: 17.93 min Scan# 2569

Delta R.T. -0.00 min

Lab File: BG021898.D

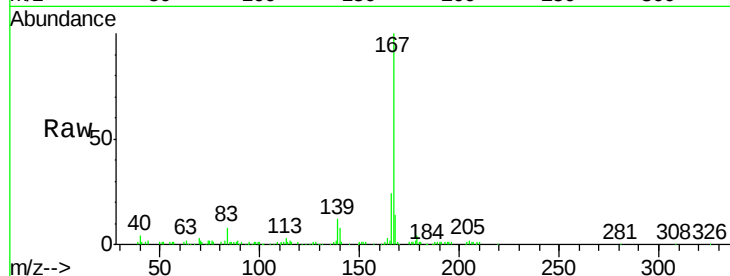
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Instrument :

BNA_G

ClientSampleId :

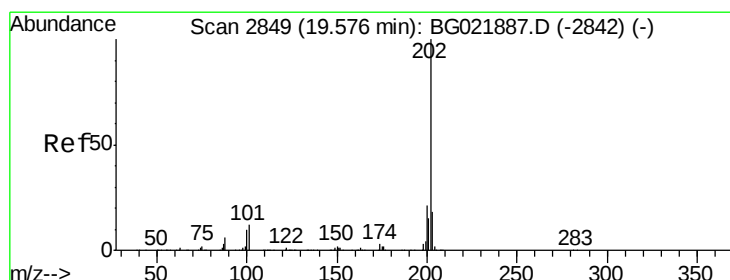
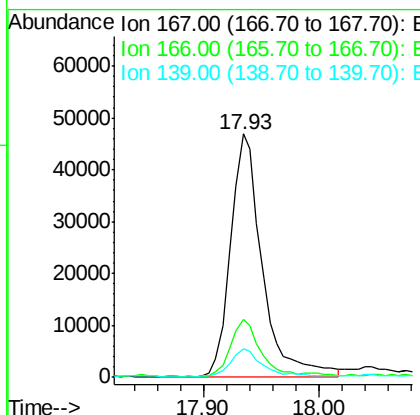
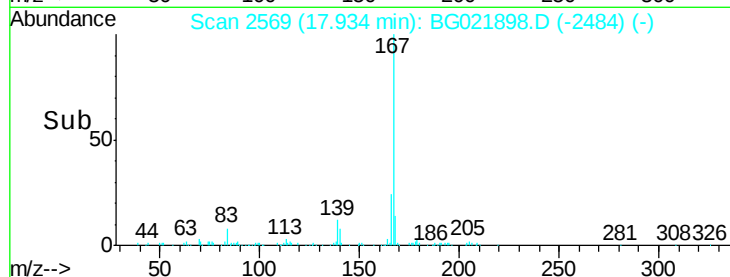
D9XG5



Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.7	19.0	28.4
139	11.6	12.2	18.4#

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#75

Fluoranthene

Concen: 39.29 ng/ul

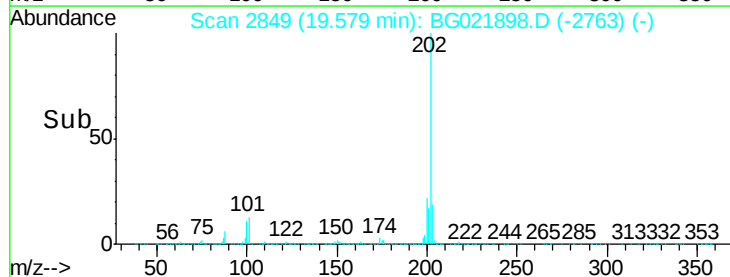
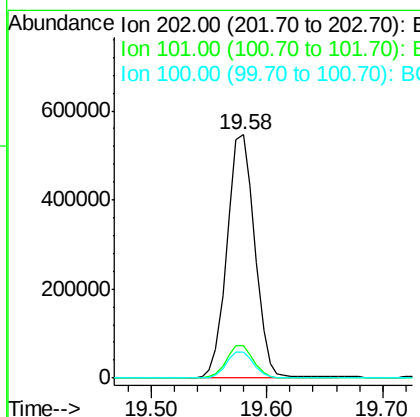
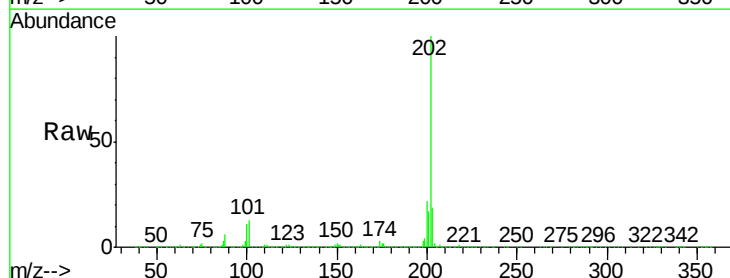
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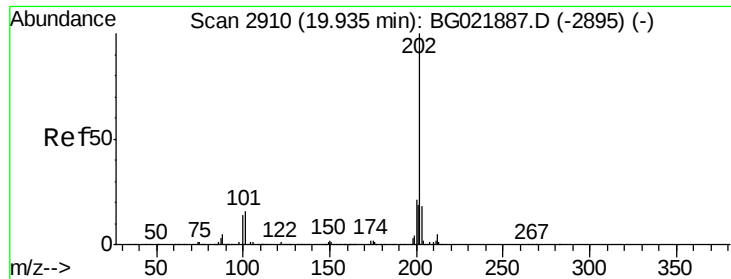
Delta R.T. 0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	8.9	13.3#
100	10.7	7.0	10.4#





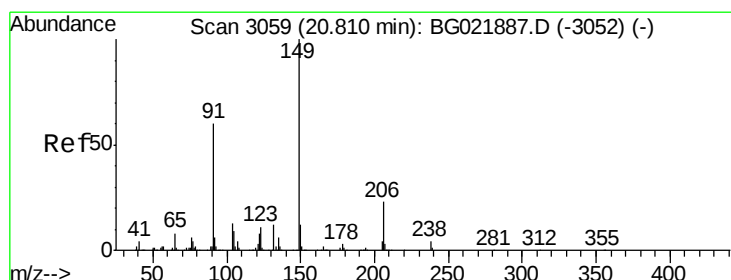
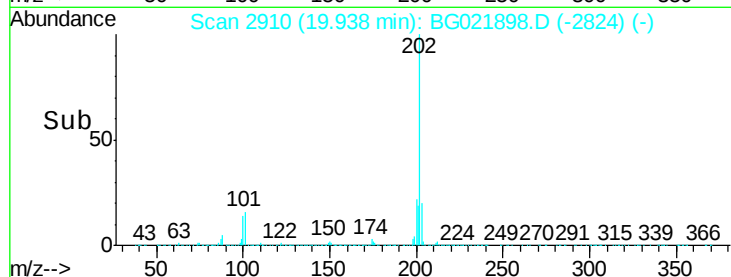
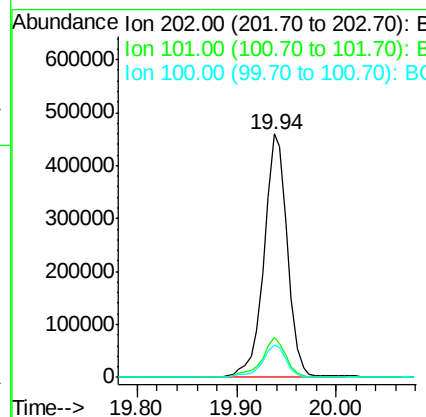
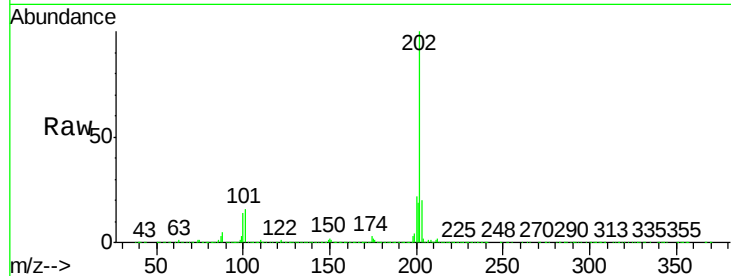
#78
 Pyrene
 Concen: 35.31 ng/ul m
 RT: 19.94 min Scan# 2910
 Delta R.T. 0.00 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Instrument :
 BNA_G
 ClientSampleId :
 D9XG5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.3	9.8	14.8#
100	13.5	9.3	13.9

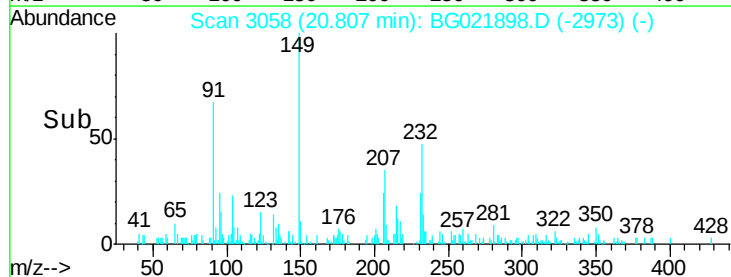
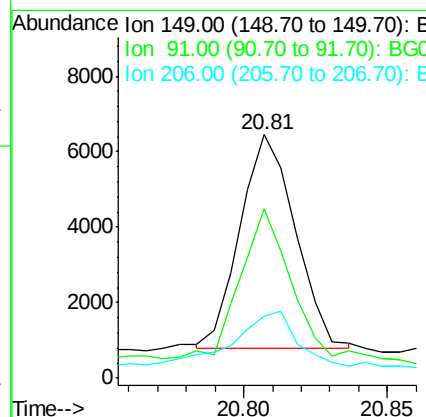
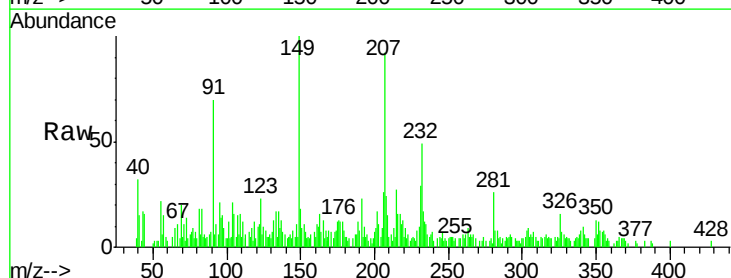
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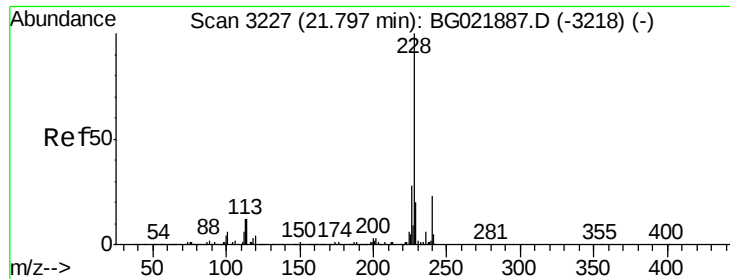
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#79
 Butylbenzylphthalate
 Concen: 1.59 ng/ul m
 RT: 20.81 min Scan# 3058
 Delta R.T. -0.00 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	69.7	65.8	98.8
206	25.5	15.5	23.3#





#81

Benzo(a)anthracene

Concen: 21.08 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.00 min

Lab File: BG021898.D

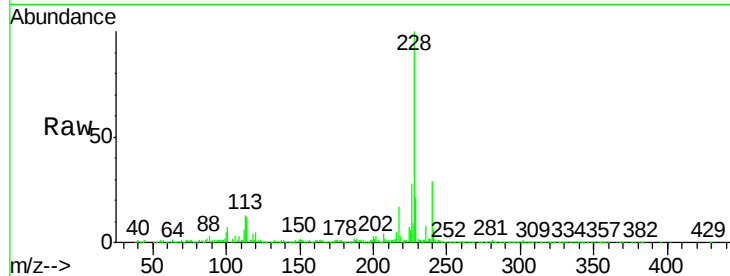
Acq: 15 May 2016 18:15

Instrument :

BNA_G

ClientSampleId :

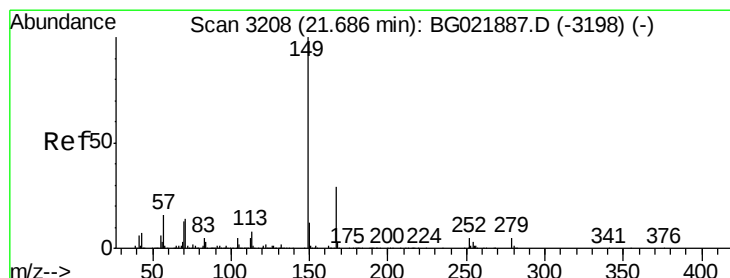
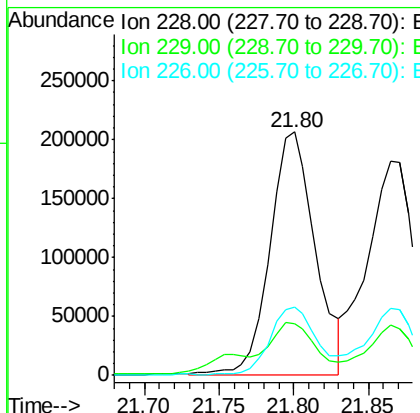
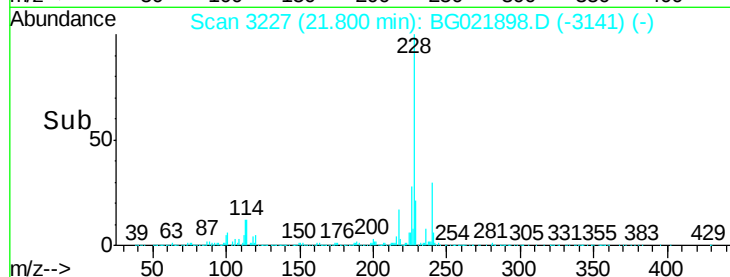
D9XG5



Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	28.3	21.0	31.4

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#82

Bis(2-ethylhexyl)phthalate

Concen: 13.98 ng/ul

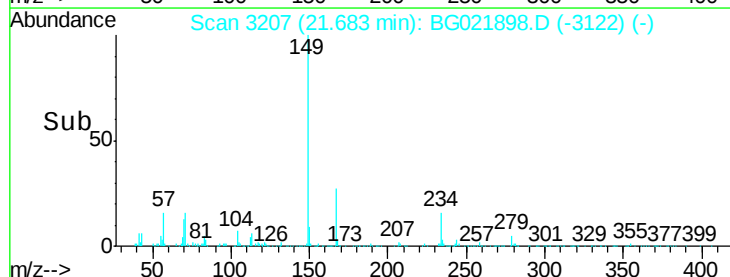
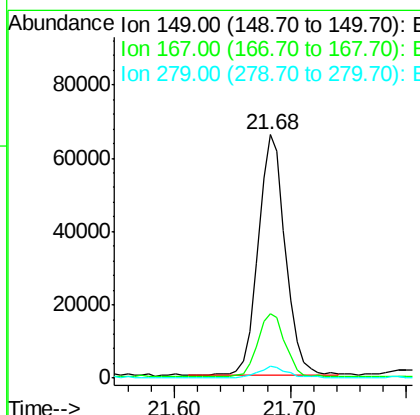
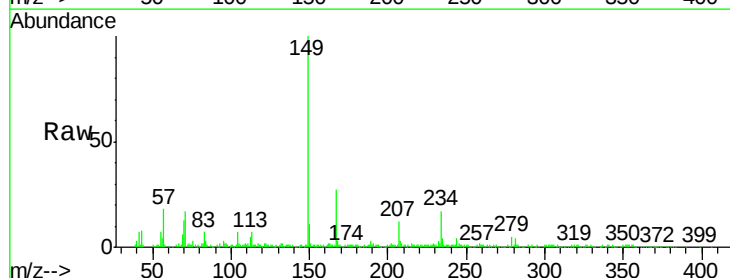
RT: 21.68 min Scan# 3207

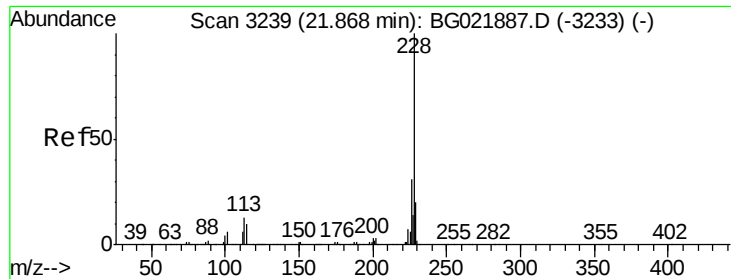
Delta R.T. -0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.5	30.7
279	5.0	3.7	5.5





#83

Chrysene

Concen: 19.77 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Instrument :

BNA_G

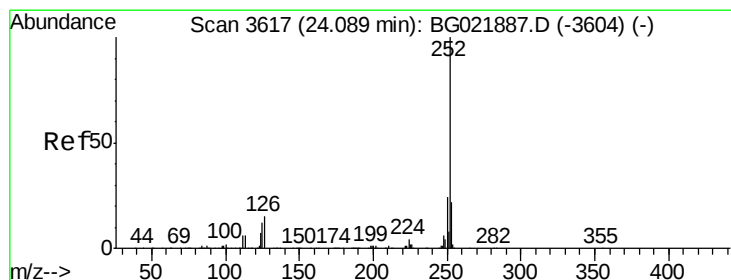
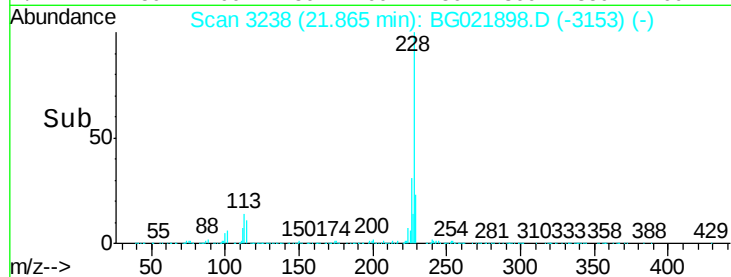
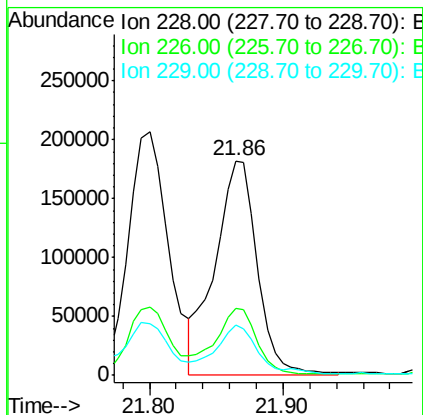
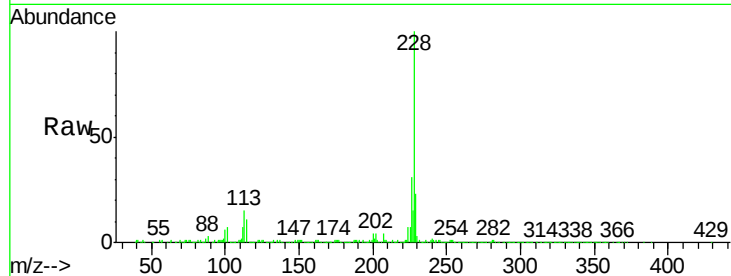
ClientSampleId :

D9XG5

Tgt	Ion	228	Resp:	403320
	Ratio	100	Lower	Upper
	228	100		
	226	31.3	23.4	35.2
	229	23.4	16.2	24.2

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#86

Benzo(b)fluoranthene

Concen: 30.97 ng/ul

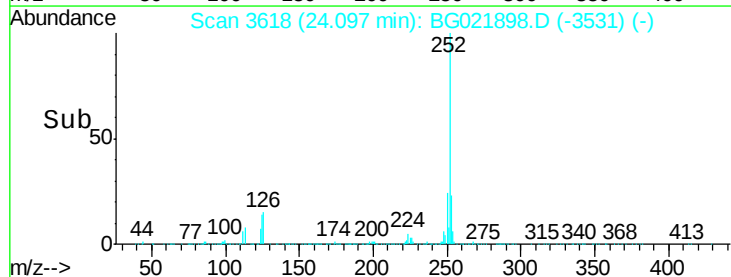
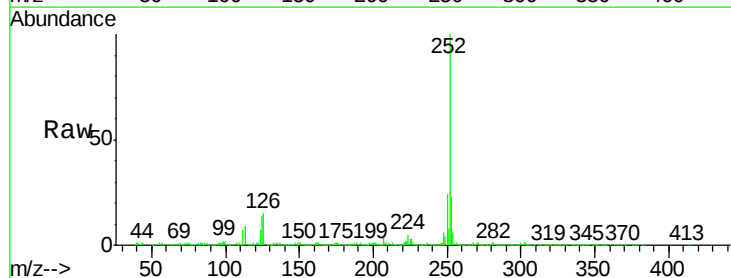
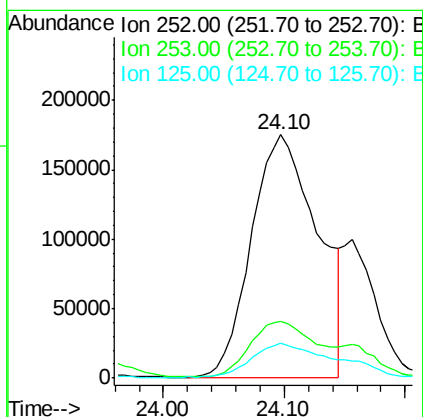
RT: 24.10 min Scan# 3618

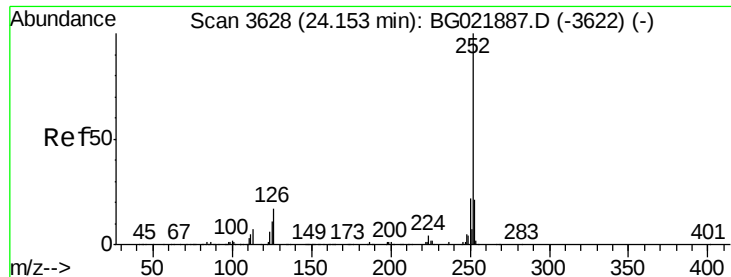
Delta R.T. 0.01 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Tgt	Ion	252	Resp:	663646
	Ratio	100	Lower	Upper
	252	100		
	253	23.4	18.1	27.1
	125	14.4	7.6	11.4#





#87

Benzo(k)fluoranthene

Concen: 8.45 ng/ul m

RT: 24.16 min Scan# 3628

Delta R.T. 0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Instrument :

BNA_G

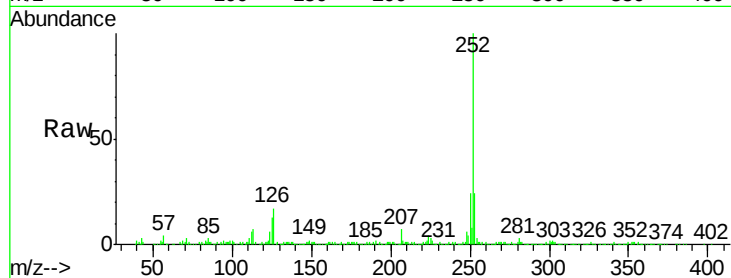
ClientSampleId :

D9XG5

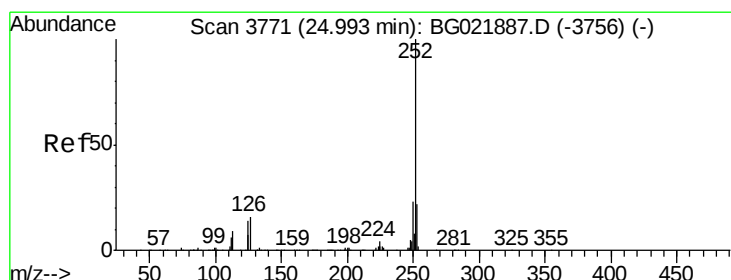
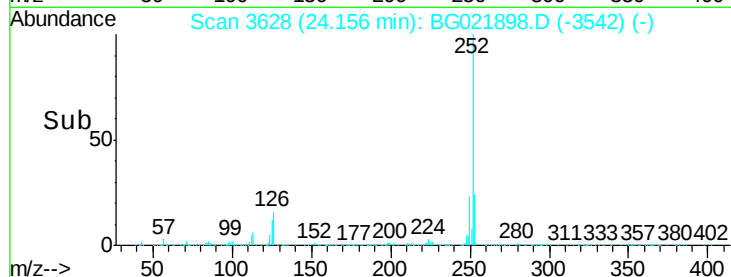
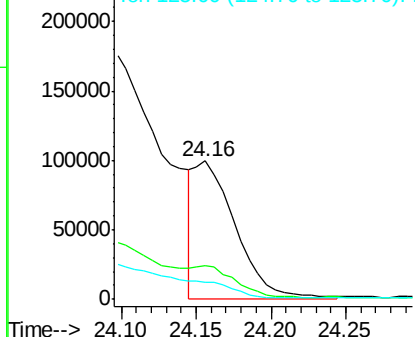
Tgt Ion:	252	Resp:	193717
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.8
125	12.7	7.7	11.5#

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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



#89

Benzo(a)pyrene

Concen: 20.45 ng/ul

RT: 25.00 min Scan# 3772

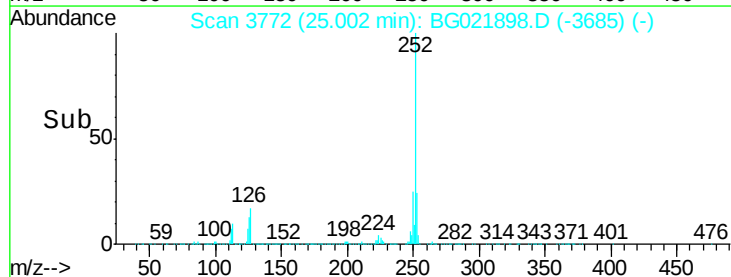
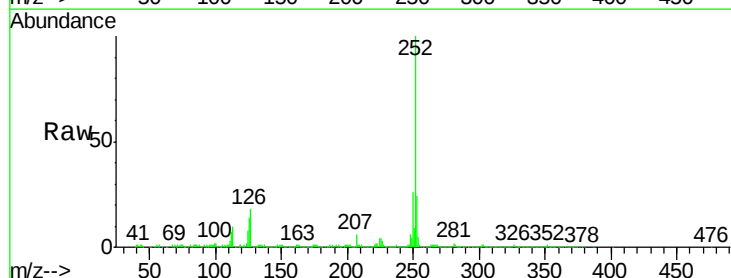
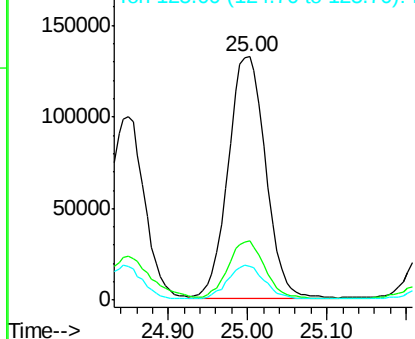
Delta R.T. 0.01 min

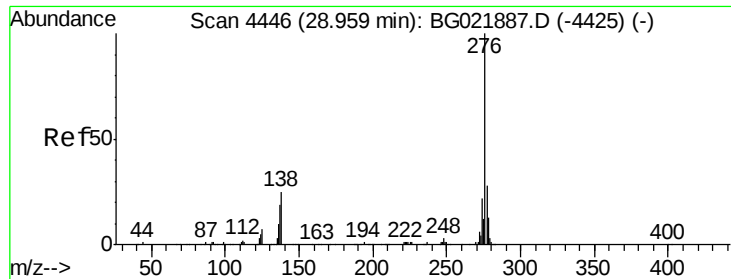
Lab File: BG021898.D

Acq: 15 May 2016 18:15

Tgt Ion:	252	Resp:	436090
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.0
125	13.8	8.2	12.2#

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





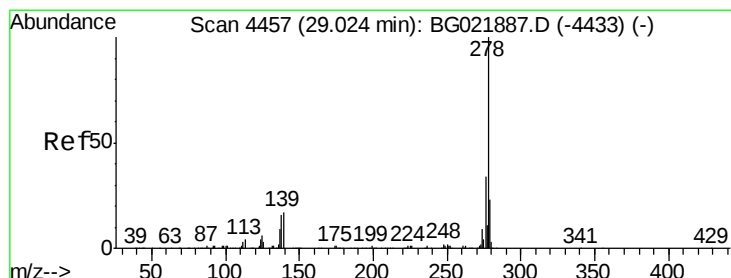
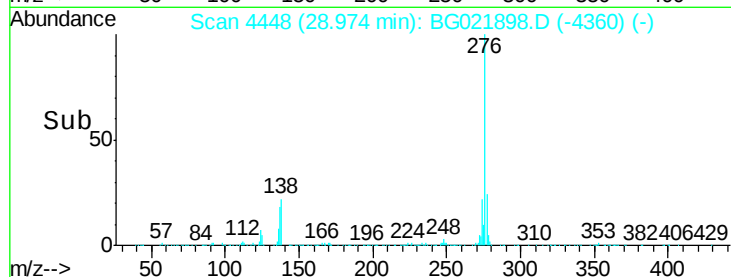
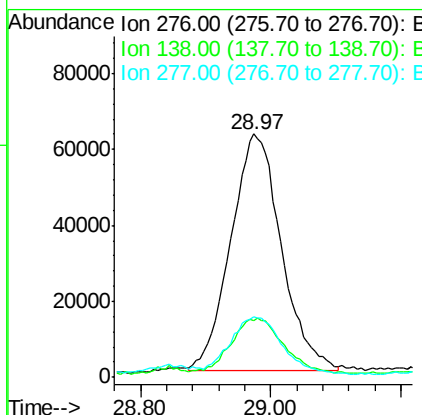
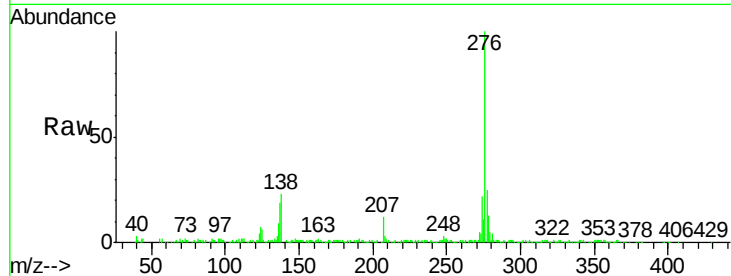
#90
 Indeno(1,2,3-cd)pyrene
 Concen: 13.14 ng/ul
 RT: 28.97 min Scan# 4448
 Delta R.T. 0.01 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Instrument :
 BNA_G
 ClientSampleId :
 D9XG5

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	332049		
138	23.4	15.8	23.6	
277	24.6	19.0	28.6	

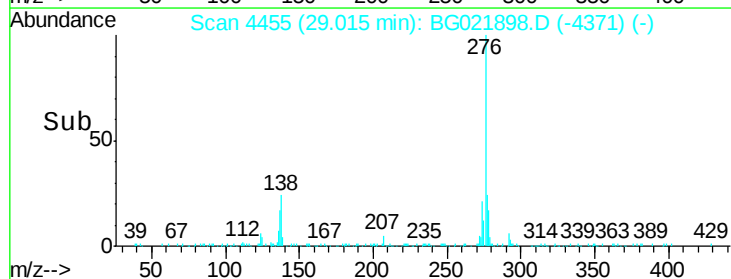
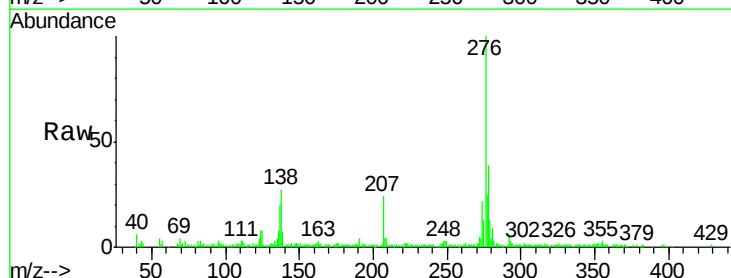
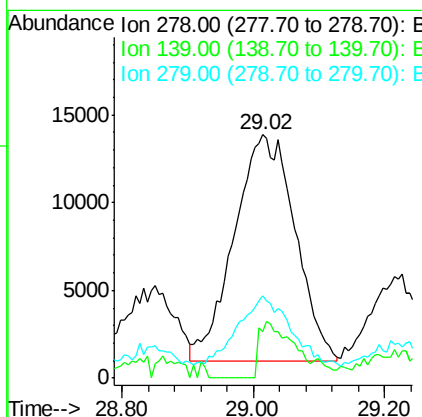
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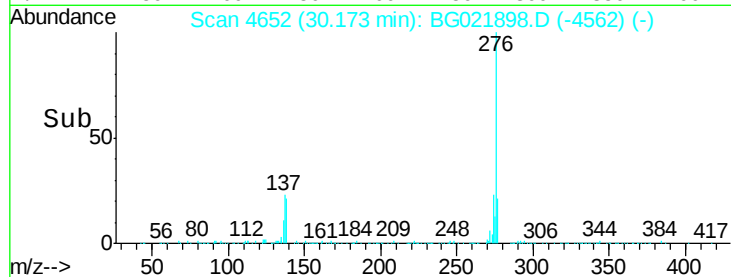
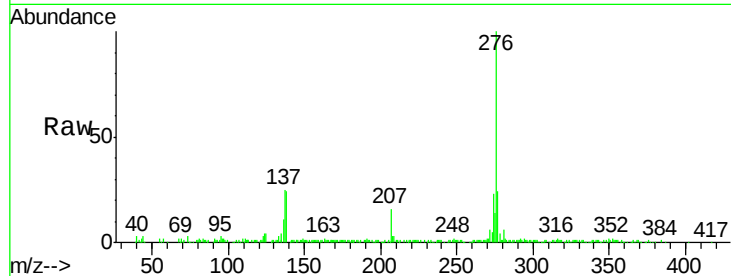
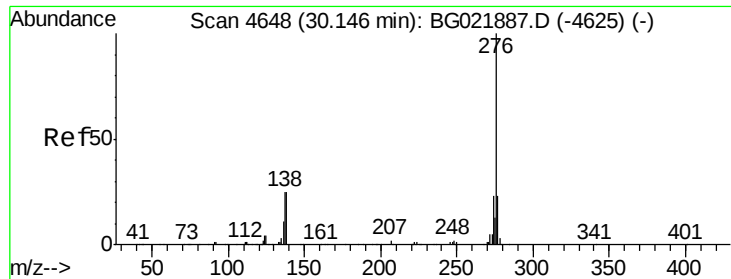
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#91
 Dibenzo(a,h)anthracene
 Concen: 3.90 ng/ul m
 RT: 29.02 min Scan# 4455
 Delta R.T. -0.01 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	82008		
139	19.1	12.1	18.1#	
279	33.7	19.8	29.8#	





#92
 Benzo(g,h,i)perylene
 Concen: 14.88 ng/ul
 RT: 30.17 min Scan# 4652
 Delta R.T. 0.03 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Instrument :
 BNA_G
 ClientSampleId :
 D9XG5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	13.9	20.9#
277	24.2	19.8	29.6

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