

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
 Data File : BG047674.D
 Acq On : 9 Dec 2020 15:15
 Operator : CG/JU
 Sample : L4862-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BB5

Manual Integrations
 APPROVED

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Quant Time: Dec 09 16:18:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 08 17:39:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	26734	20.00	ng/ul	0.00
18) Naphthalene-d8	11.05	136	97736	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.84	164	73152	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.57	188	172933m	20.00	ng/ul	0.00
78) Chrysene-d12	21.85	240	159522	20.00	ng/ul	0.00
86) Perylene-d12	25.22	264	169665	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	1376	2.74	ng/uL	0.00
5) Phenol-d5	7.35	99	27478	12.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.52	67	15053	12.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.74	132	22463	12.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.91	113	19839	10.92	ng/ul	0.00
19) Nitrobenzene-d5	9.38	128	11135	13.97	ng/ul	0.00
22) 2-Nitrophenol-d4	10.11	143	13174	13.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.65	165	27460	13.17	ng/ul	0.00
29) 4-Chloroaniline-d4	11.17	131	4453	2.32	ng/ul	0.00
44) Dimethylphthalate-d6	14.22	166	81498	12.83	ng/ul	0.00
47) Acenaphthylene-d8	14.53	160	99446	13.70	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	10989	11.66	ng/ul	0.00
58) Fluorene-d10	15.82	176	79007	13.51	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	11176m	9.55	ng/ul	0.00
71) Anthracene-d10	17.67	188	116957	13.56	ng/ul	0.00
79) Pyrene-d10	19.94	212	130222	13.81	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.99	264	134799	13.60	ng/ul	0.02
Target Compounds						
28) Naphthalene	11.10	128	8907	1.634	ng/ul#	88
34) 2-Methylnaphthalene	12.68	142	7328	1.745	ng/ul#	65
45) Dimethylphthalate	14.27	163	21081	3.275	ng/ul	99
50) Acenaphthene	14.90	153	10525	2.212	ng/ul	95
54) Dibenzofuran	15.22	168	20651	2.975	ng/ul	94
59) Fluorene	15.87	166	13241	2.231	ng/ul#	93
70) Phenanthrene	17.61	178	542385m	57.867	ng/ul	
72) Anthracene	17.70	178	142523m	15.255	ng/ul	
75) Carbazole	17.96	167	12374m	1.661	ng/ul	
77) Fluoranthene	19.61	202	828432m	69.464	ng/ul	
80) Pyrene	19.97	202	667299	57.516	ng/ul#	98
83) Benzo(a)anthracene	21.83	228	459409	40.310	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.72	149	9134	1.686	ng/ul#	89
85) Chrysene	21.90	228	387550	36.030	ng/ul	98
88) Benzo(b)fluoranthene	24.16	252	405106	34.204	ng/ul	97
89) Benzo(k)fluoranthene	24.21	252	165221m	14.076	ng/ul	
91) Benzo(a)pyrene	25.06	252	300850	28.168	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	29.10	276	172064	13.210	ng/ul	99
93) Dibenzo(a,h)anthracene	29.14	278	66154m	6.059	ng/ul	
94) Benzo(g,h,i)perylene	30.31	276	145482	13.605	ng/ul	100

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

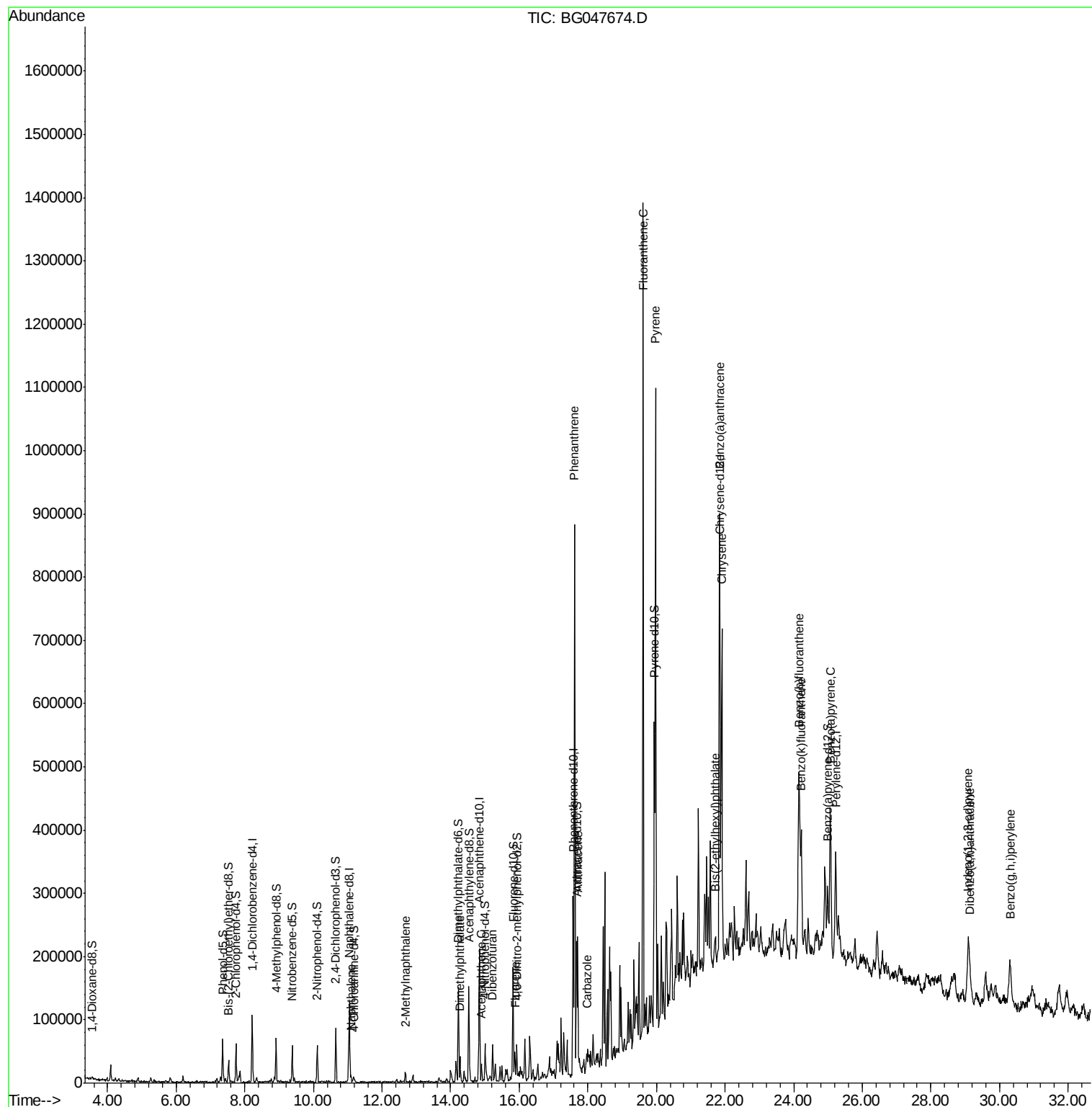
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
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ALS Vial : 27 Sample Multiplier: 1

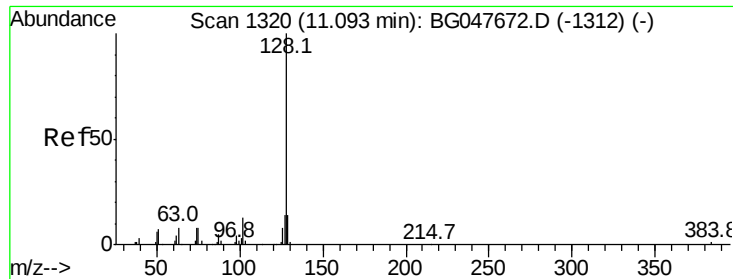
Instrument :
BNA_G
ClientSampleId :
C0BB5

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Quant Time: Dec 09 16:18:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
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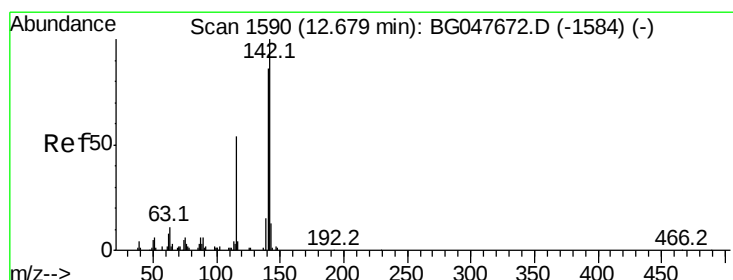
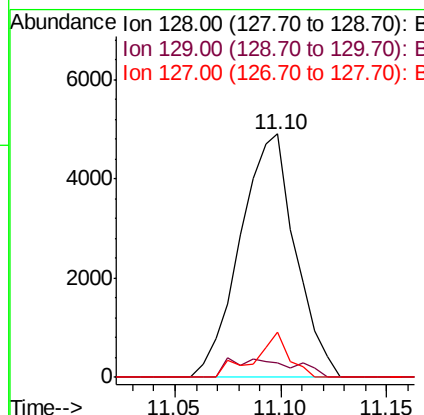
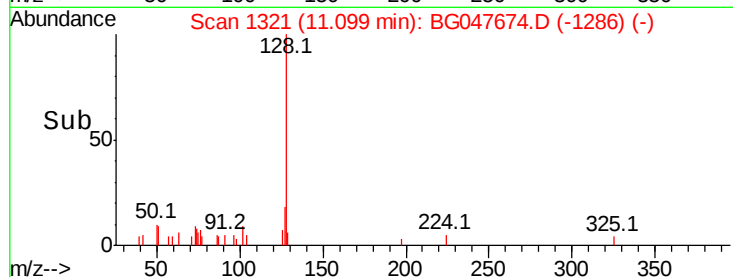
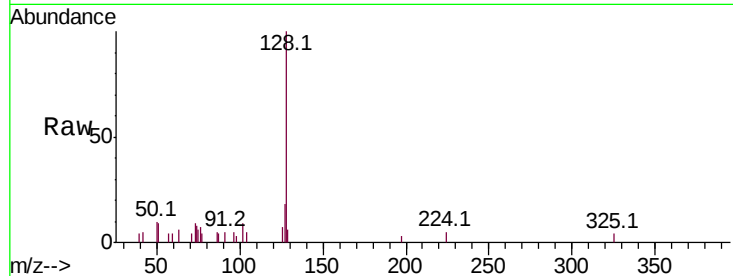
#28
Naphthalene
Concen: 1.634 ng/ul
RT: 11.10 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Instrument :
BNA_G
ClientSampleId :
C0BB5

Tot Ion	Ratio	Lower	Upper
128	100		
129	5.7	8.6	12.8#
127	18.4	11.1	16.7#

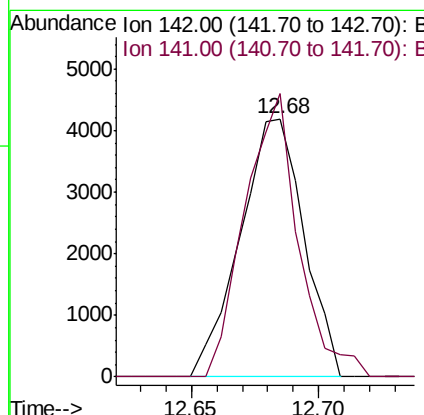
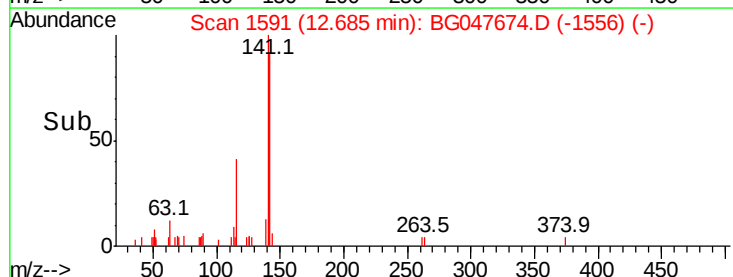
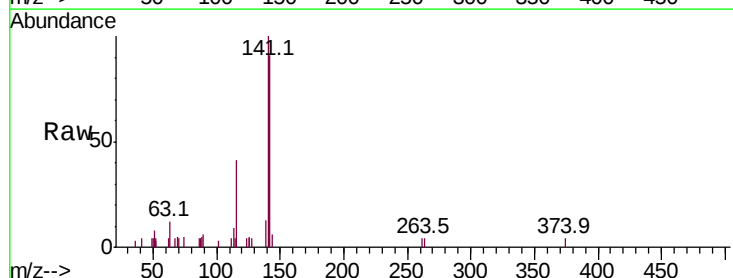
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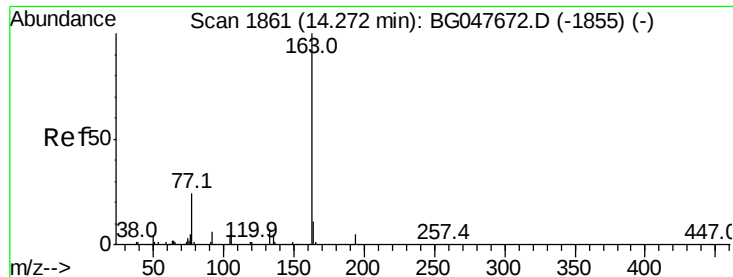
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#34
2-Methylnaphthalene
Concen: 1.745 ng/ul
RT: 12.68 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	109.7	63.4	95.2#





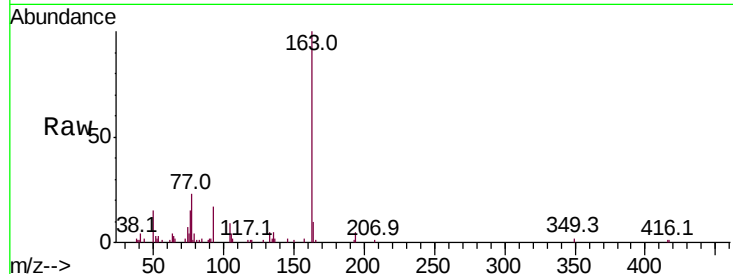
#45
Dimethylphthalate
Concen: 3.275 ng/ul
RT: 14.27 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Instrument :
BNA_G
ClientSampleId :
C0BB5

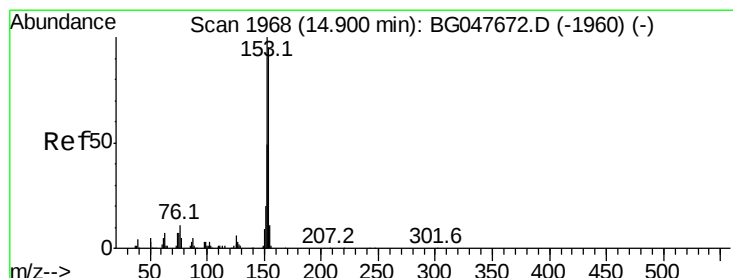
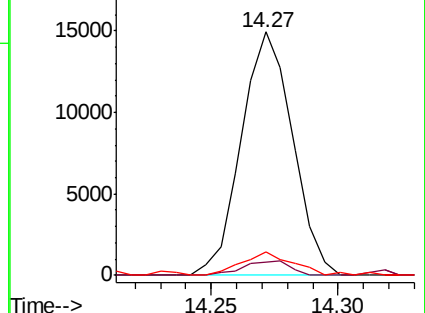
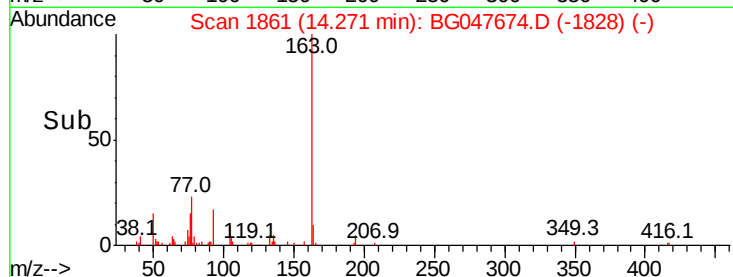
Tot Ion:	163	Resp:	21081
Ion Ratio	Lower	Upper	
163	100		
194	5.2	3.9	5.9
164	9.7	7.4	11.2

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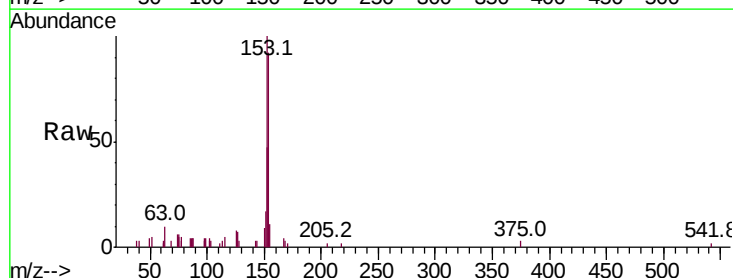


Abundance Ion 163.00 (162.70 to 163.70): E
20000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

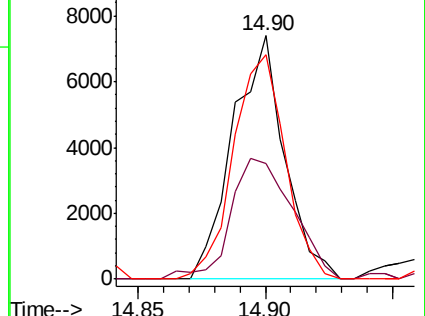
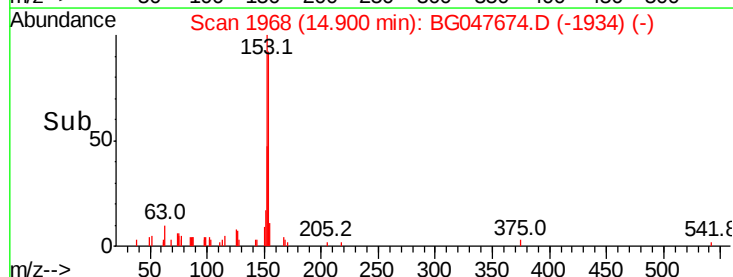


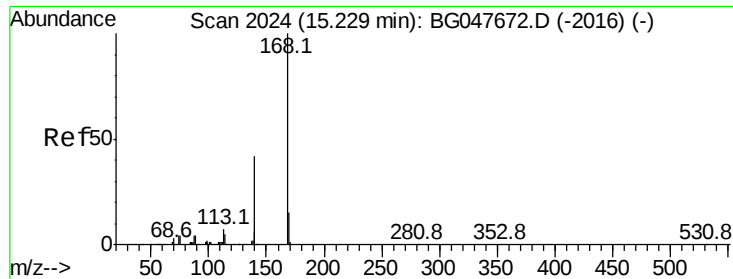
#50
Acenaphthene
Concen: 2.212 ng/ul
RT: 14.90 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Tgt Ion:	153	Resp:	10525
Ion Ratio	Lower	Upper	
153	100		
152	47.4	39.1	58.7
154	92.3	69.0	103.6



Abundance Ion 153.00 (152.70 to 153.70): E
10000 Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.975 ng/ul

RT: 15.22 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BG047674.D

Acq: 9 Dec 2020 15:15

Instrument :

BNA_G

ClientSampled :

C0BB5

Tot Ion:168 Resp: 20651

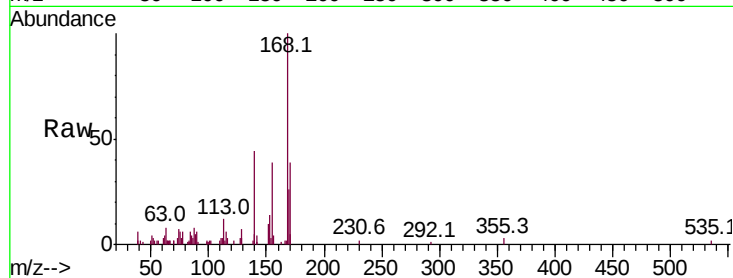
Ion Ratio Lower Upper

168 100

139 44.4 38.6 57.8

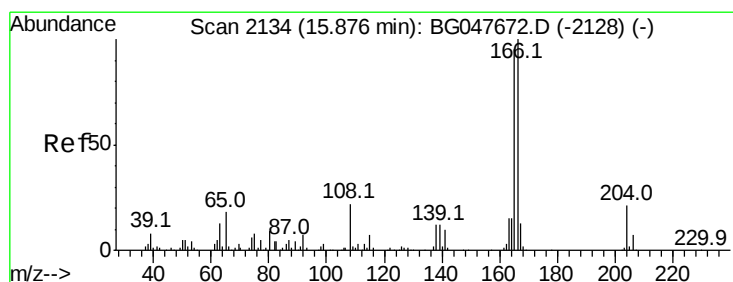
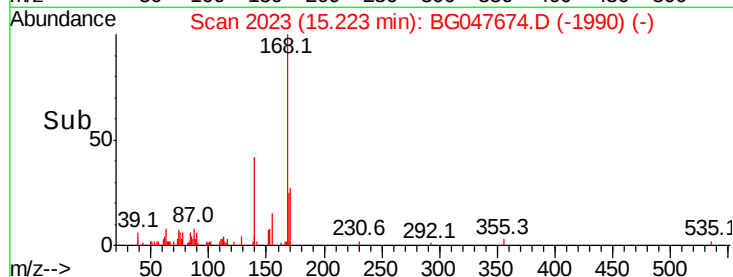
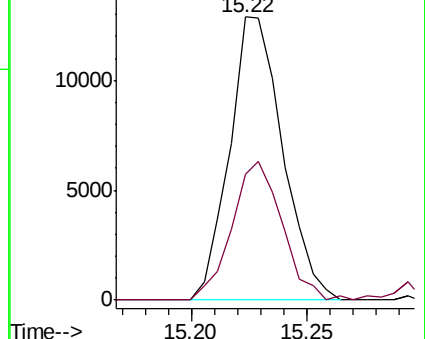
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.231 ng/ul

RT: 15.87 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BG047674.D

Acq: 9 Dec 2020 15:15

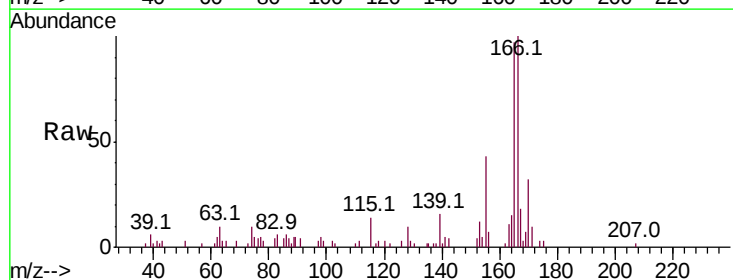
Tgt Ion:166 Resp: 13241

Ion Ratio Lower Upper

166 100

165 96.9 72.9 109.3

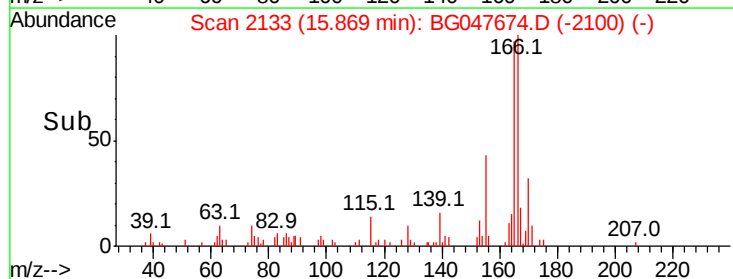
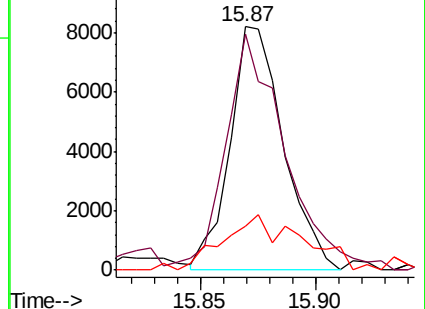
167 17.9 10.9 16.3#

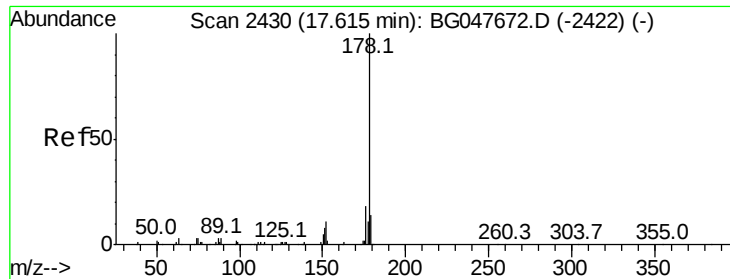


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





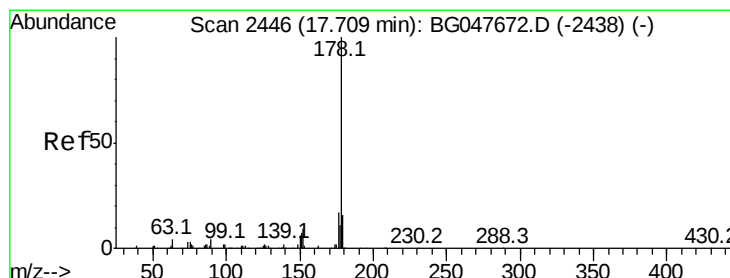
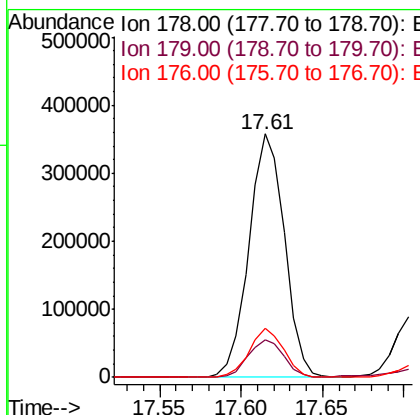
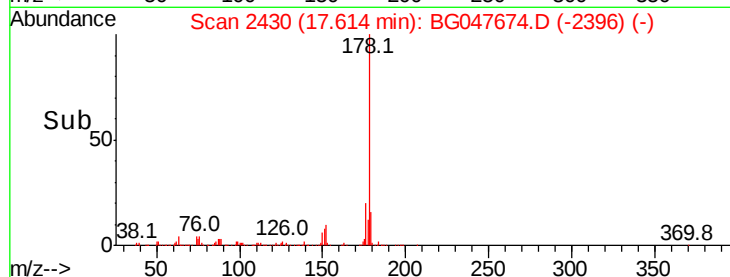
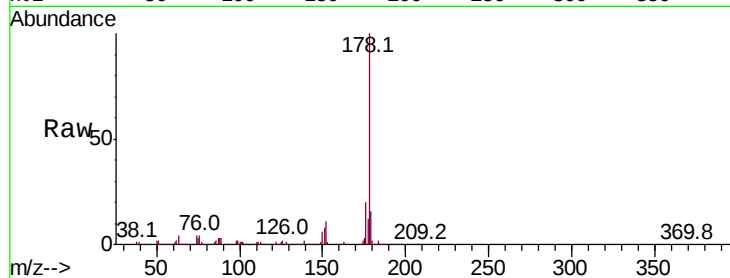
#70
Phenanthrene
Concen: 57.867 ng/ul m
RT: 17.61 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Instrument :
BNA_G
ClientSampleId :
C0BB5

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.6	17.4
176	20.0	15.8	23.8

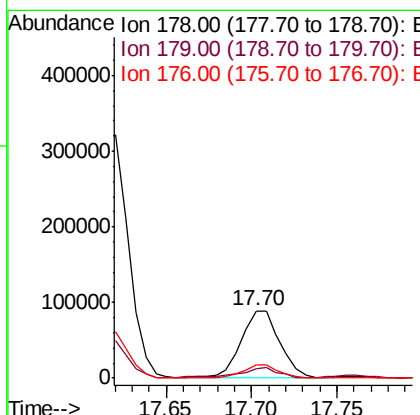
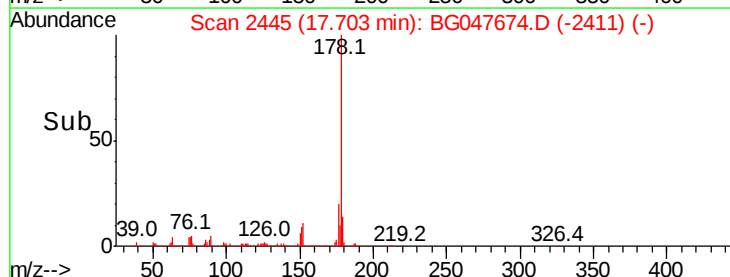
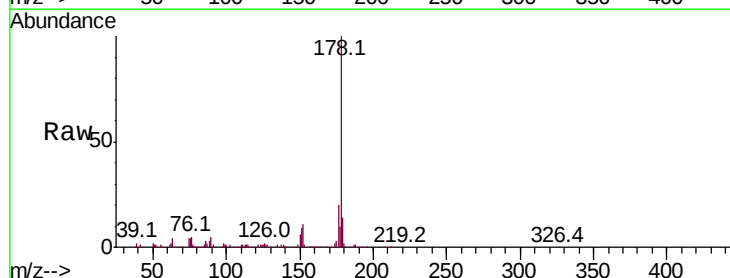
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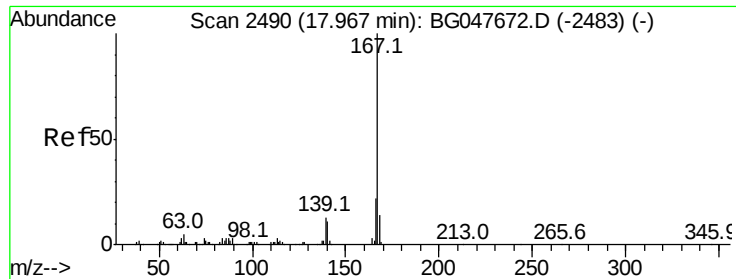
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#72
Anthracene
Concen: 15.255 ng/ul m
RT: 17.70 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.1	14.2	21.2#
176	19.6	16.7	25.1





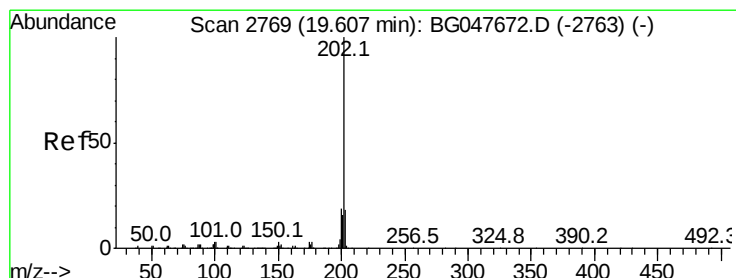
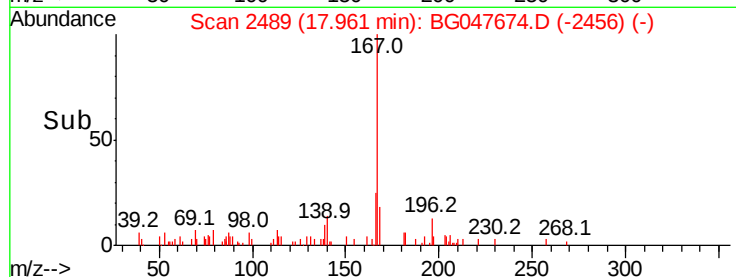
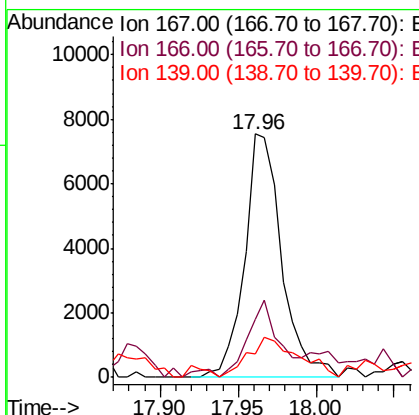
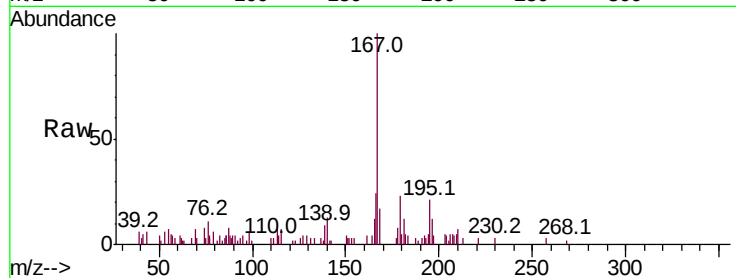
#75
 Carbazole
 Concen: 1.661 ng/ul m
 RT: 17.96 min Scan# 2489
 Delta R.T. -0.01 min
 Lab File: BG047674.D
 Acq: 9 Dec 2020 15:15

Instrument :
 BNA_G
 ClientSampleId :
 C0BB5

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.9	16.2	24.2
139	9.4	10.2	15.4

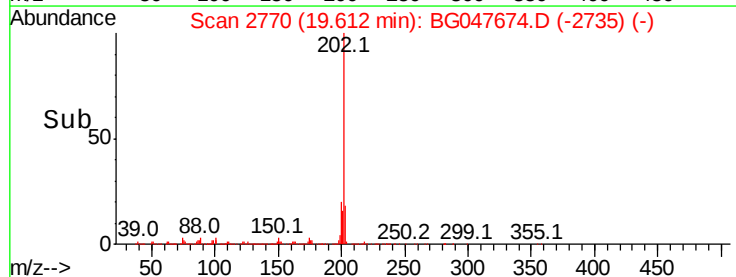
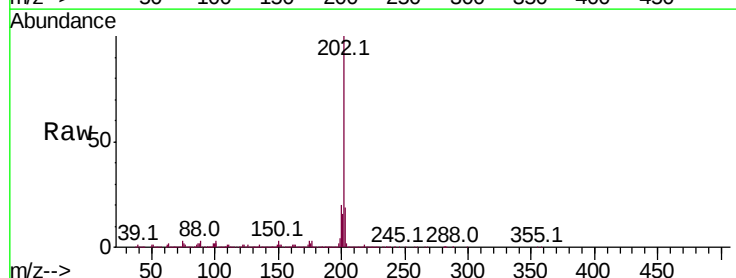
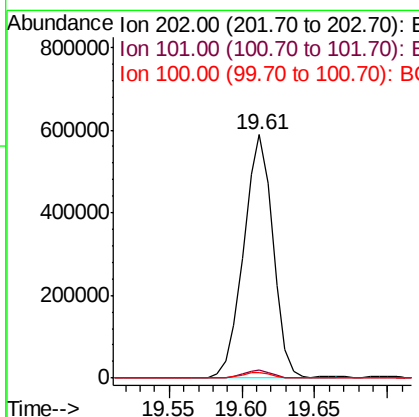
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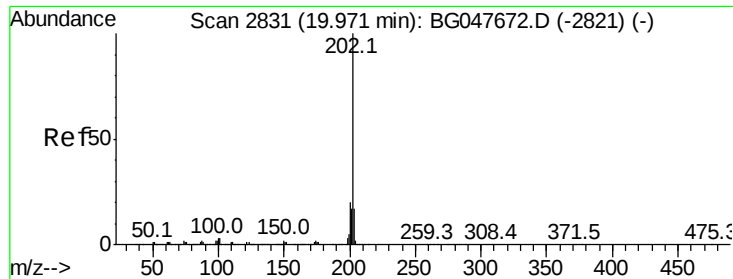
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#77
 Fluoranthene
 Concen: 69.464 ng/ul m
 RT: 19.61 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG047674.D
 Acq: 9 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.2	2.4	3.6
100	2.4	2.6	3.8





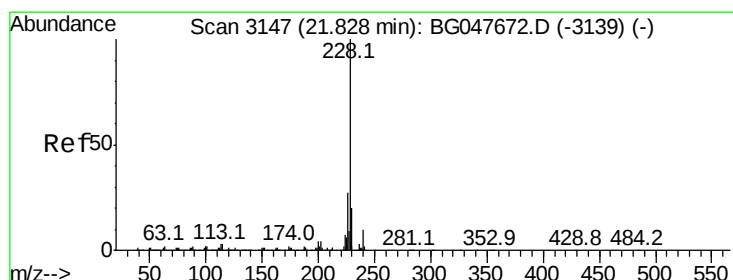
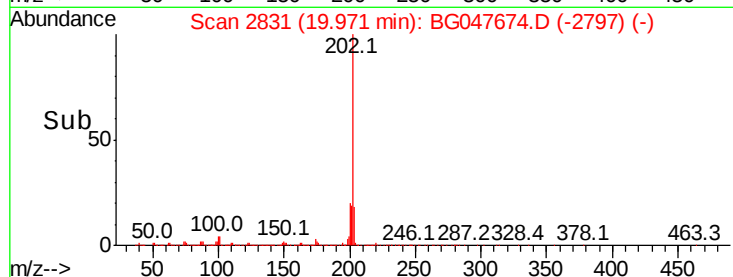
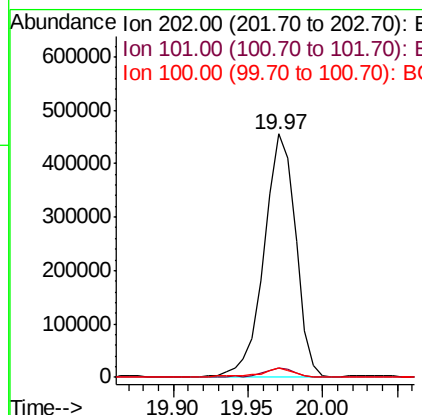
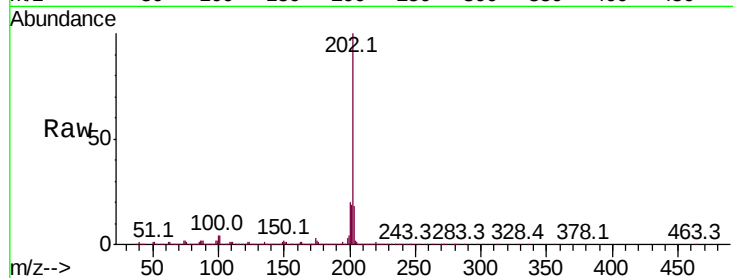
#80
Pvrene
Concen: 57.516 ng/ul
RT: 19.97 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Instrument :
BNA_G
ClientSampleId :
C0BB5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	3.8	2.5	3.7#
100	3.8	2.4	3.6#

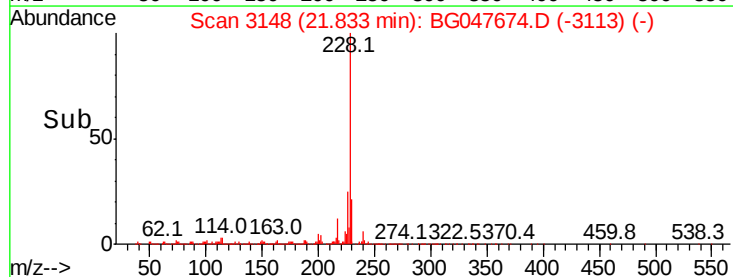
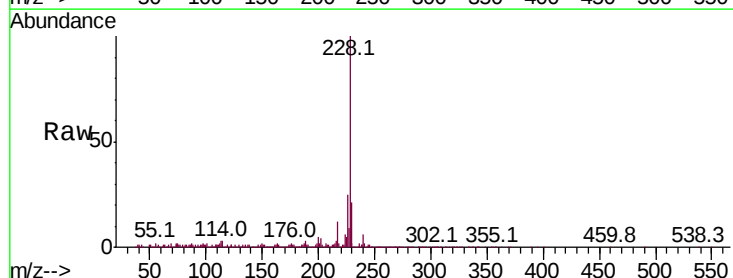
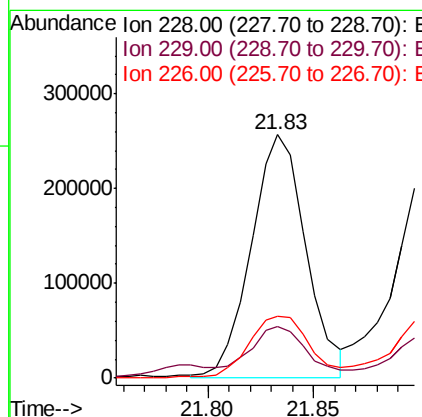
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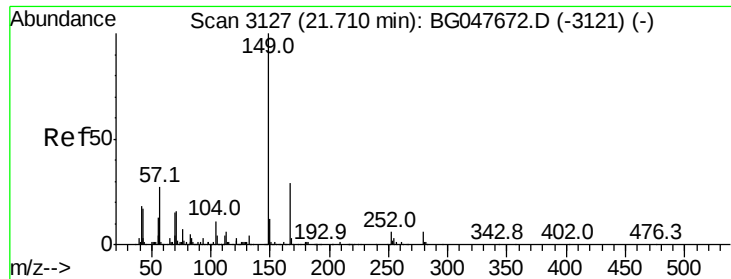
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#83
Benzo(a)anthracene
Concen: 40.310 ng/ul
RT: 21.83 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.3	16.0	24.0
226	25.3	22.4	33.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.686 ng/ul

RT: 21.72 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG047674.D

Acq: 9 Dec 2020 15:15

Instrument :

BNA_G

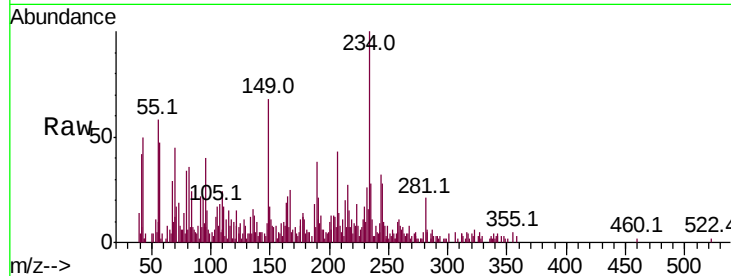
ClientSampleId :

C0BB5

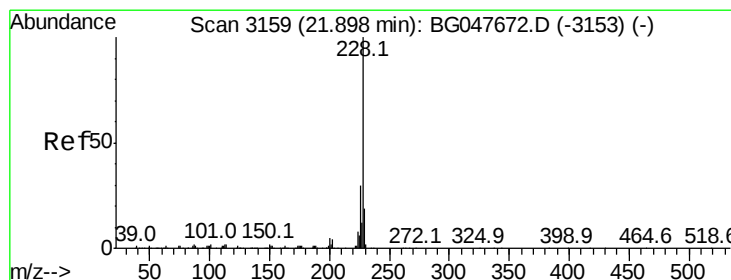
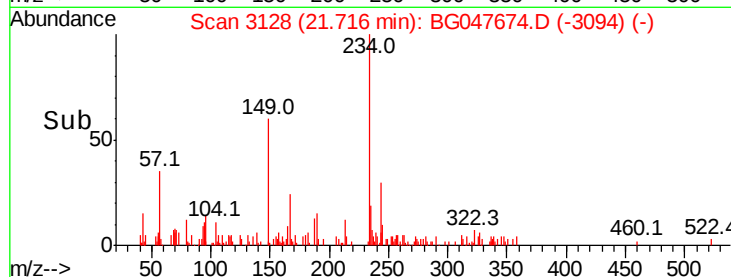
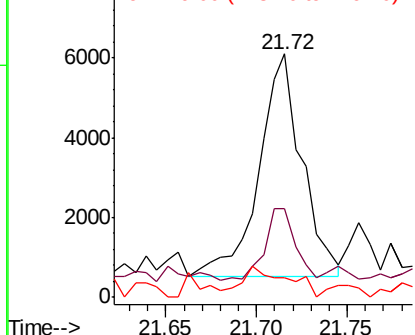
Tot Ion:	149	Resp:	9134
Ion Ratio	Lower	Upper	
149	100		
167	36.7	23.8	35.6#
279	8.0	5.3	7.9#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 36.030 ng/ul

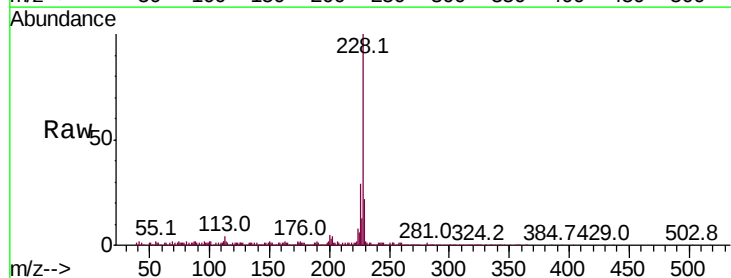
RT: 21.90 min Scan# 3160

Delta R.T. 0.00 min

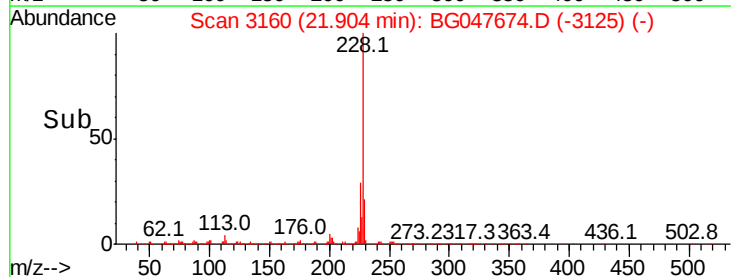
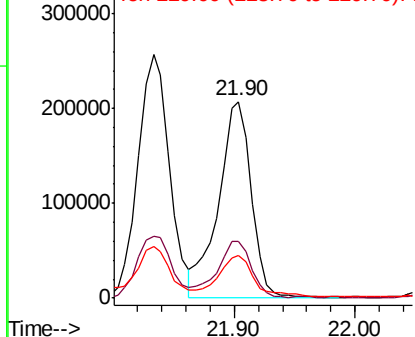
Lab File: BG047674.D

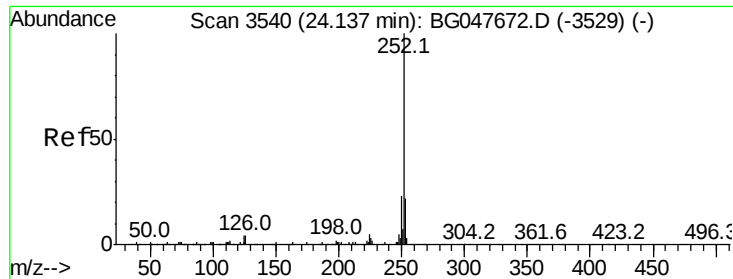
Acq: 9 Dec 2020 15:15

Tgt Ion:	228	Resp:	387550
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.0	34.4
229	21.8	15.8	23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 34.204 ng/ul

RT: 24.16 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BG047674.D

Acq: 9 Dec 2020 15:15

Instrument :

BNA_G

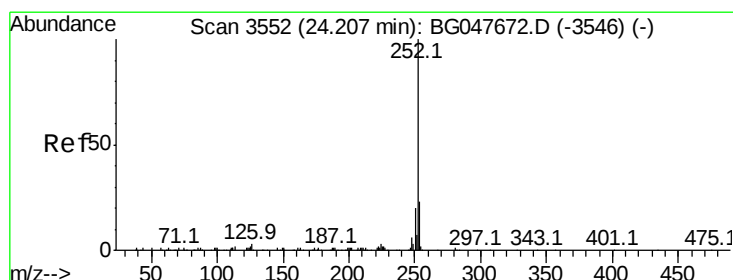
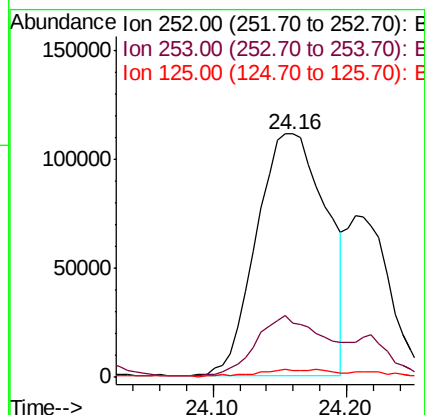
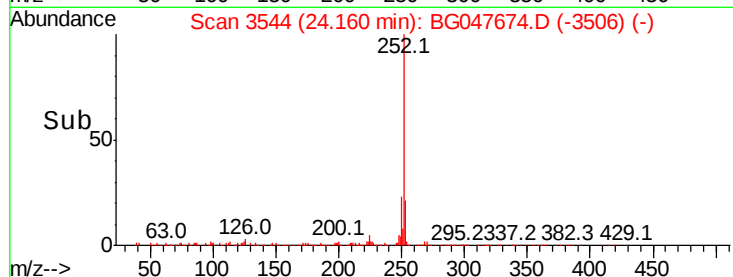
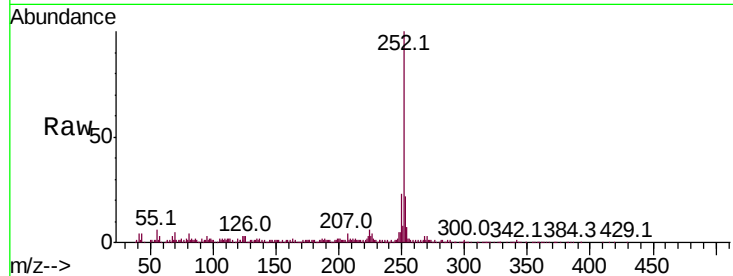
ClientSampleId :

C0BB5

Tot Ion:	252	Resp:	405106
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.7	28.1
125	2.7	2.6	3.8

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#89

Benzo(k)fluoranthene

Concen: 14.076 ng/ul m

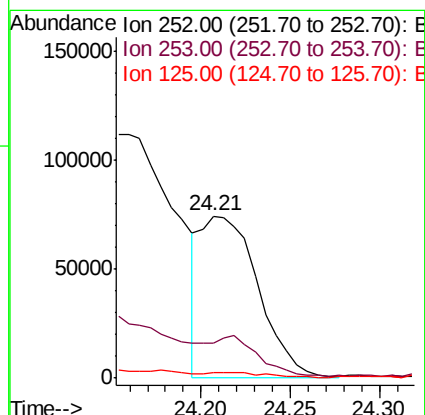
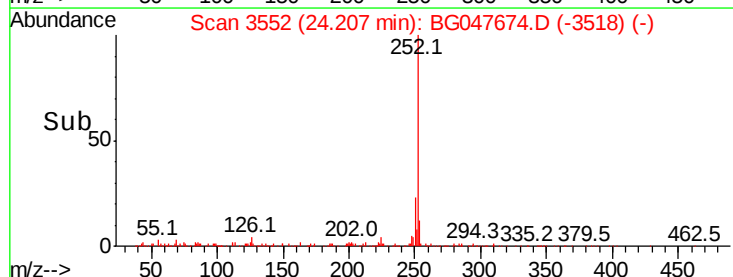
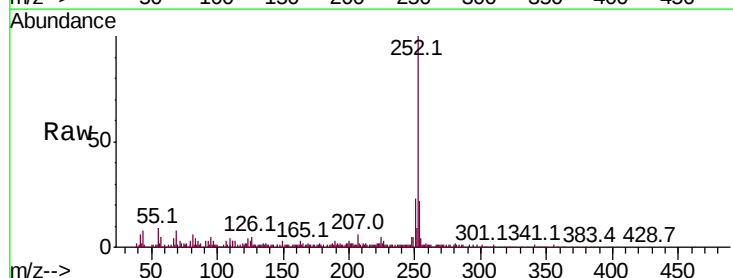
RT: 24.21 min Scan# 3552

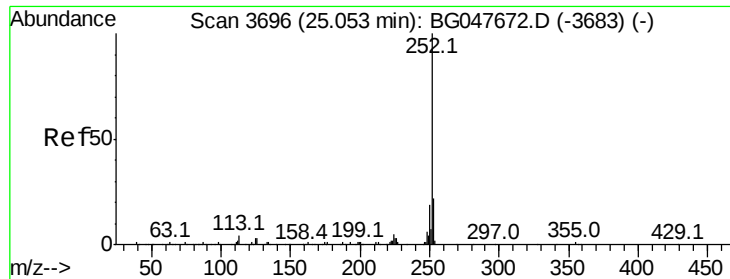
Delta R.T. -0.00 min

Lab File: BG047674.D

Acq: 9 Dec 2020 15:15

Tgt Ion:	252	Resp:	165221
Ion Ratio	Lower	Upper	
252	100		
253	21.7	16.9	25.3
125	3.1	2.2	3.4





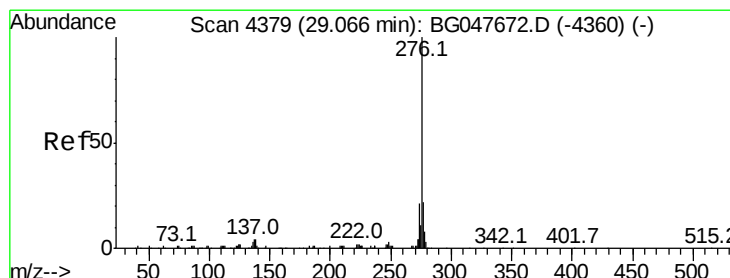
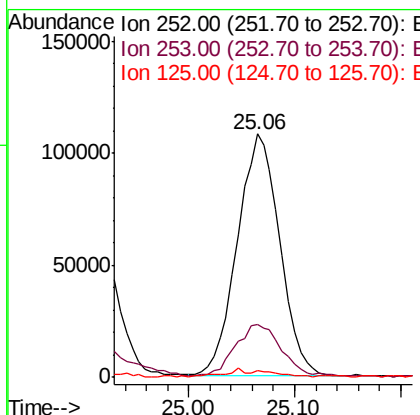
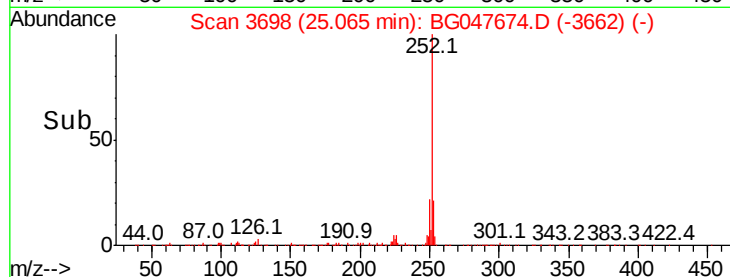
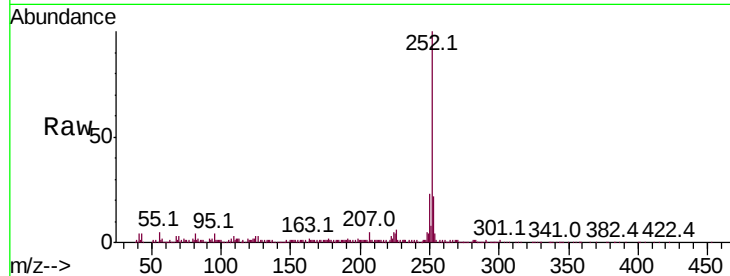
#91
Benzo(a)pyrene
Concen: 28.168 ng/ul
RT: 25.06 min Scan# 3698
Delta R.T. 0.01 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Instrument :
BNA_G
ClientSampleId :
C0BB5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.9	25.3
125	2.7	2.6	3.8

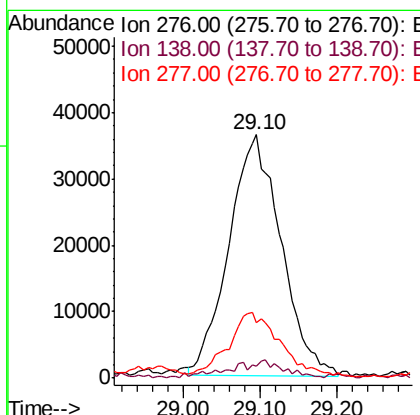
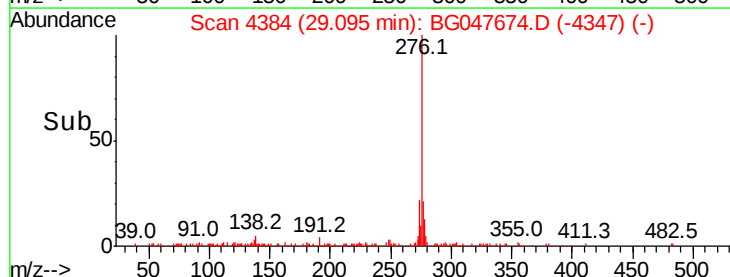
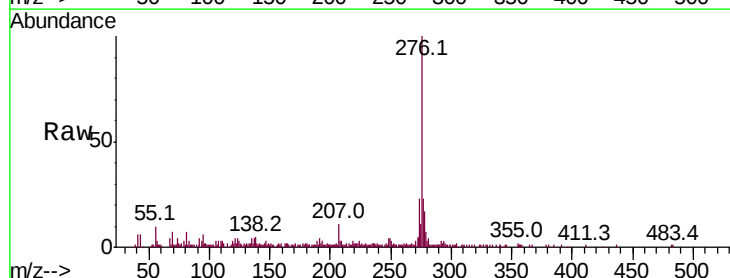
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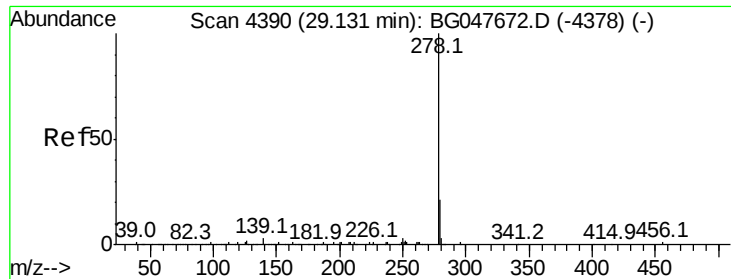
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#92
Indeno(1,2,3-cd)pyrene
Concen: 13.210 ng/ul
RT: 29.10 min Scan# 4384
Delta R.T. 0.02 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.8	3.3	4.9
277	23.0	18.6	27.8





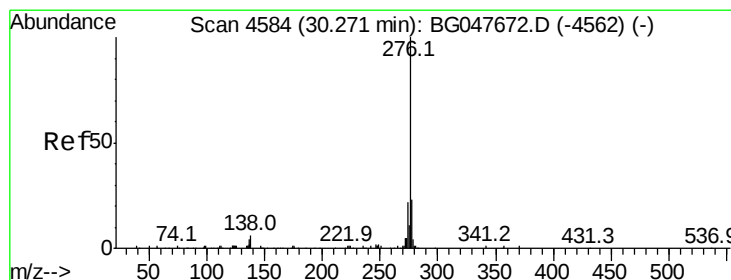
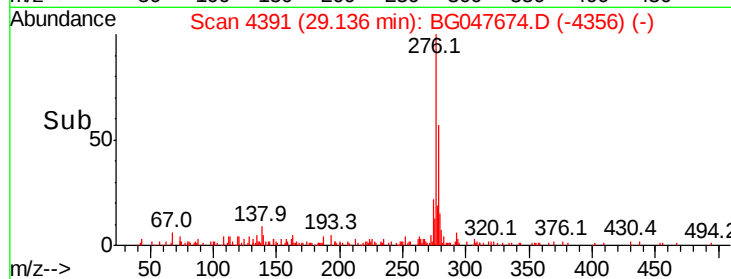
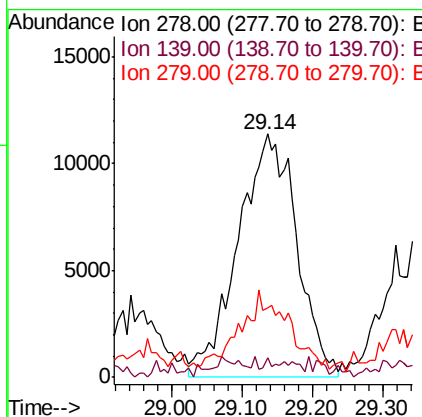
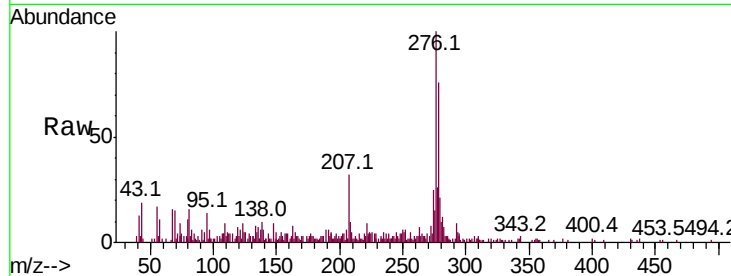
#93
Dibenzo(a,h)anthracene
Concen: 6.059 ng/ul m
RT: 29.14 min Scan# 4391
Delta R.T. 0.00 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Instrument :
BNA_G
ClientSampleId :
C0BB5

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.9	3.3	4.9#
279	28.3	18.5	27.7#

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12/9/2020 5:40:20 PM



#94
Benzo(g,h,i)perylene
Concen: 13.605 ng/ul
RT: 30.31 min Scan# 4591
Delta R.T. 0.04 min
Lab File: BG047674.D
Acq: 9 Dec 2020 15:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.4	4.7	7.1
277	27.4	21.9	32.9

