

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\
 Data File : BG047819.D
 Acq On : 24 Dec 2020 5:22
 Operator : CG/JU
 Sample : L5149-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB8A1

Manual Integrations
 APPROVED

mohammad
 12/24/2020 10:44:39 AM

Quant Time: Dec 24 06:02:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 05:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	34477	20.00	ng/ul	0.00
18) Naphthalene-d8	11.02	136	127083	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.82	164	93404	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.56	188	217099	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	210226	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	211057	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	4983	7.70	ng/uL	0.00
5) Phenol-d5	7.34	99	104692	35.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.51	67	58221	38.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.73	132	79568	35.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	79989	34.15	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	37088	35.79	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	47856	38.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	92290	34.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	100762	40.46	ng/ul	0.00
44) Dimethylphthalate-d6	14.21	166	277323	34.18	ng/ul	0.00
47) Acenaphthylene-d8	14.51	160	343548	37.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	39043	32.45	ng/ul	0.00
58) Fluorene-d10	15.81	176	253332	33.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	47466	32.30	ng/ul	0.00
71) Anthracene-d10	17.66	188	386662	35.71	ng/ul	0.00
79) Pyrene-d10	19.92	212	437765	35.23	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.95	264	449362	36.45	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.07	128	10612	1.497	ng/ul#	86
34) 2-Methylnaphthalene	12.66	142	5697	1.043	ng/ul	96
50) Acenaphthene	14.88	153	13569	2.233	ng/ul	97
54) Dibenzofuran	15.21	168	13336	1.504	ng/ul#	79
59) Fluorene	15.86	166	18495	2.440	ng/ul#	86
70) Phenanthrene	17.60	178	259014	22.012	ng/ul	99
72) Anthracene	17.69	178	59787	5.097	ng/ul	96
75) Carbazole	17.95	167	18704	2.000	ng/ul	98
77) Fluoranthene	19.60	202	413451	27.615	ng/ul	100
80) Pyrene	19.95	202	347782	22.746	ng/ul	99
83) Benzo(a)anthracene	21.81	228	218807	14.568	ng/ul	98
85) Chrysene	21.87	228	183555	12.949	ng/ul	96
88) Benzo(b)fluoranthene	24.11	252	267346	18.146	ng/ul	98
89) Benzo(k)fluoranthene	24.17	252	75097m	5.143	ng/ul	
91) Benzo(a)pyrene	25.02	252	168085	12.651	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	29.01	276	104353	6.441	ng/ul#	95
93) Dibenzo(a,h)anthracene	29.06	278	30519m	2.247	ng/ul	
94) Benzo(g,h,i)perylene	30.21	276	95768	7.199	ng/ul#	93

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

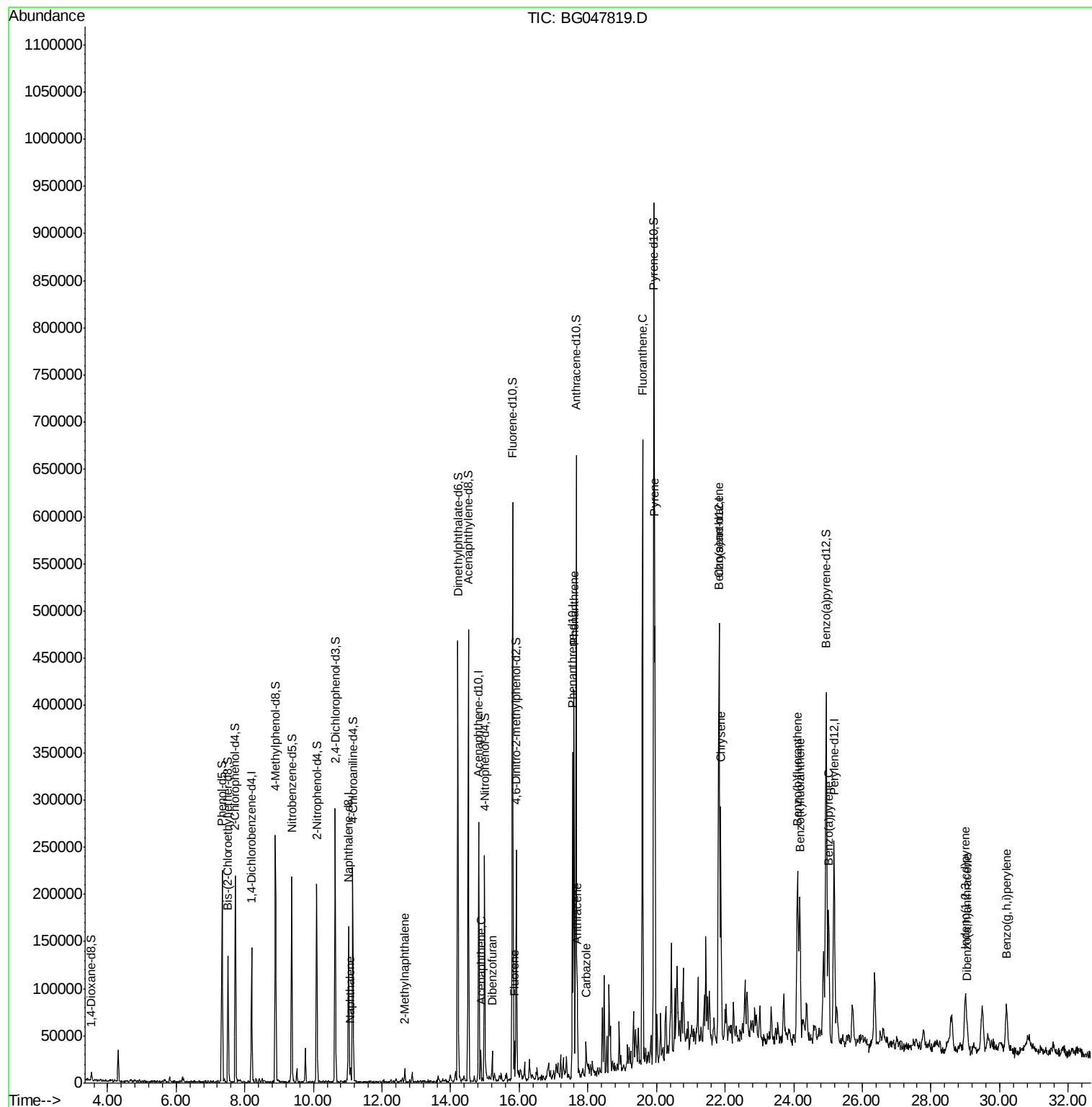
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\
Data File : BG047819.D
Acq On : 24 Dec 2020 5:22
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Misc :
ALS Vial : 23 Sample Multiplier: 1

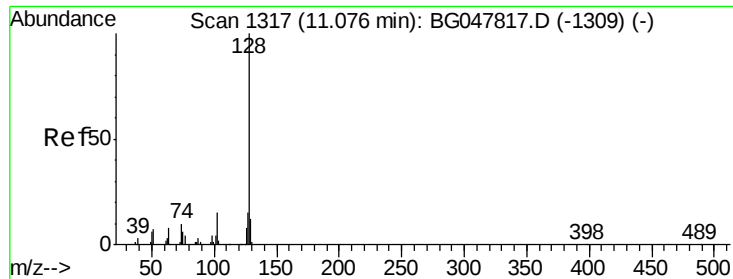
Instrument :
BNA_G
ClientSampled :
CB8A1

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Quant Time: Dec 24 06:02:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
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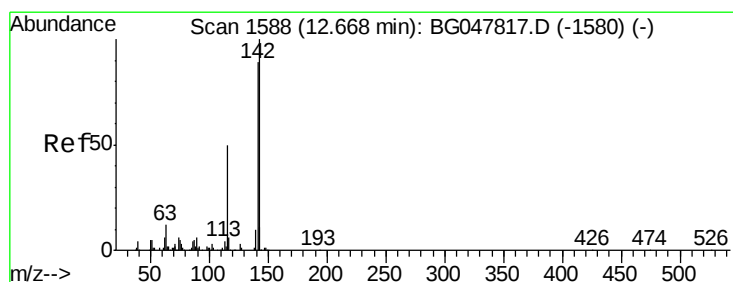
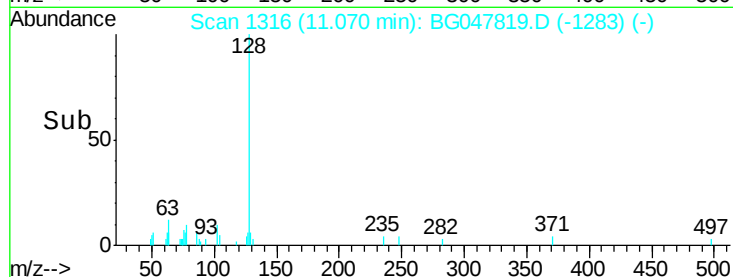
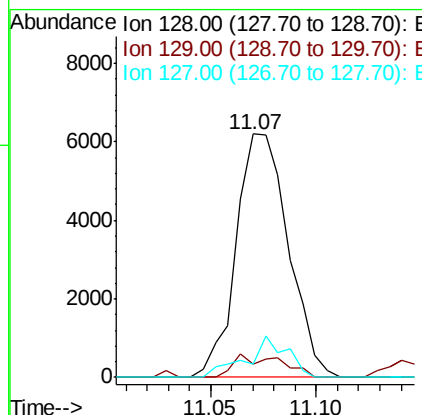
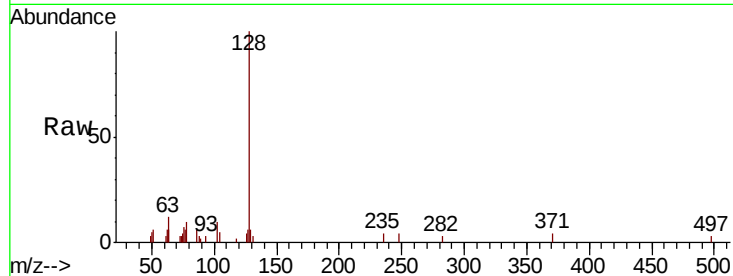
#28
Naphthalene
Concen: 1.497 ng/ul
RT: 11.07 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG047819.D
Acq: 24 Dec 2020 5:22

Instrument :
BNA_G
ClientSampleId :
CB8A1

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	5.6	8.6	13.0#
127	5.6	8.7	13.1#

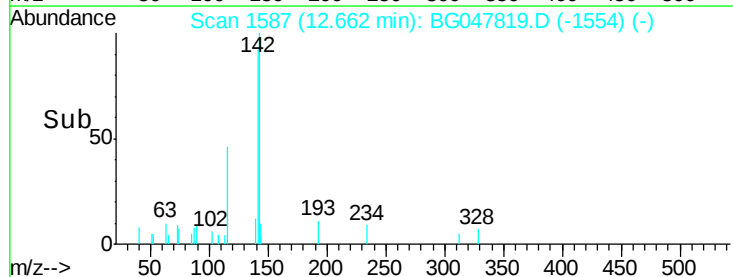
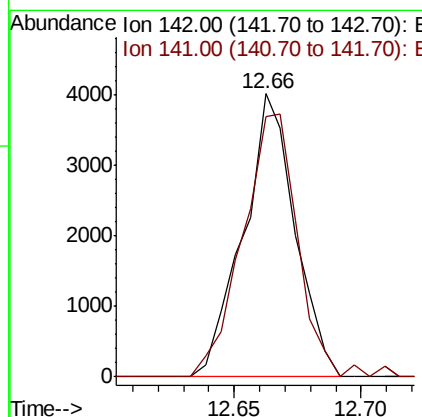
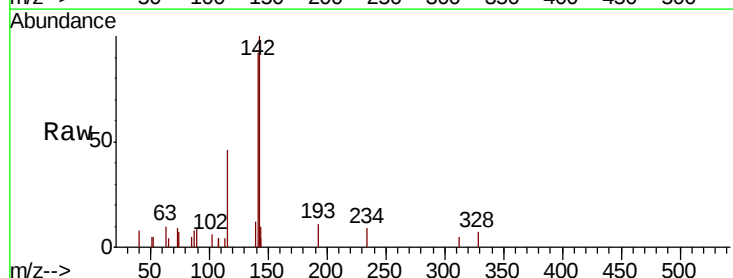
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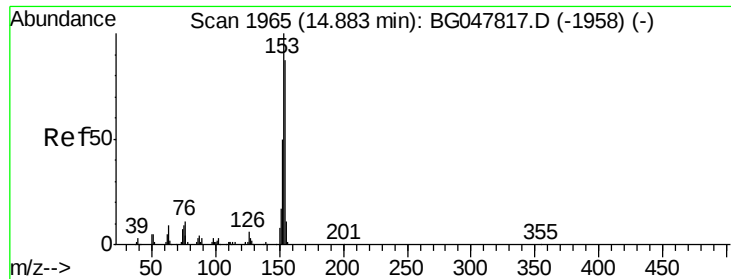
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#34
2-Methylnaphthalene
Concen: 1.043 ng/ul
RT: 12.66 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BG047819.D
Acq: 24 Dec 2020 5:22

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	92.0	70.9	106.3





#50

Acenaphthene

Concen: 2.233 ng/ul

RT: 14.88 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Instrument :

BNA_G

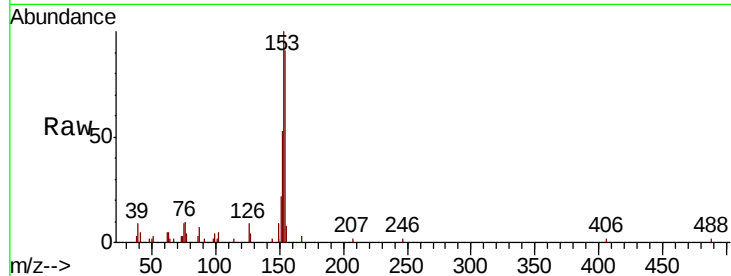
ClientSampleId :

CB8A1

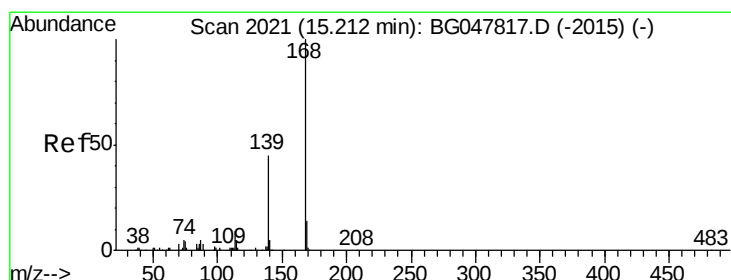
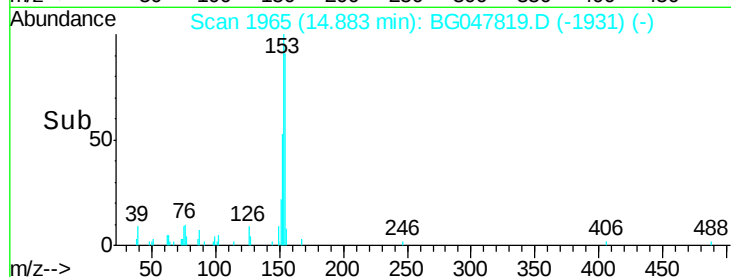
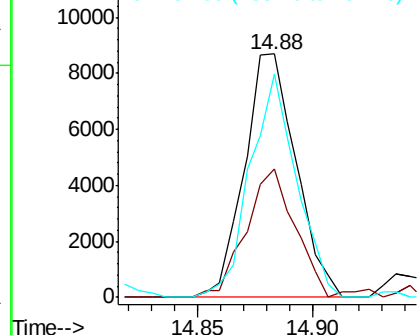
Tot Ion:	153	Resp:	13569
Ion Ratio	Lower	Upper	
153	100		
152	52.8	38.2	57.4
154	91.4	73.8	110.6

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



#54

Dibenzofuran

Concen: 1.504 ng/ul

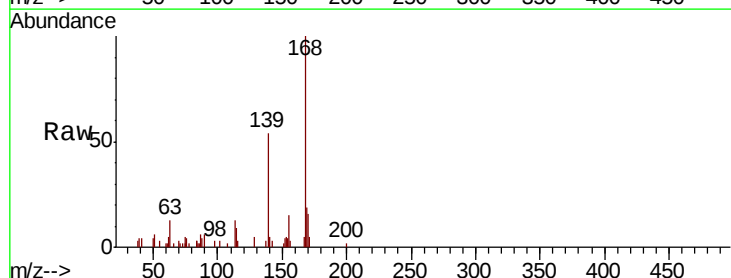
RT: 15.21 min Scan# 2021

Delta R.T. -0.01 min

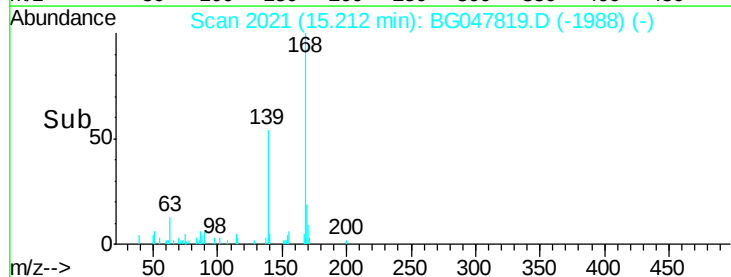
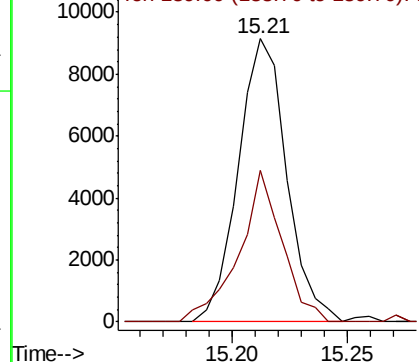
Lab File: BG047819.D

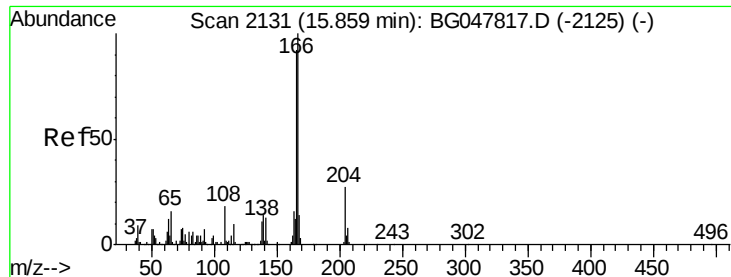
Acq: 24 Dec 2020 5:22

Tgt Ion:	168	Resp:	13336
Ion Ratio	Lower	Upper	
168	100		
139	53.7	32.3	48.5#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





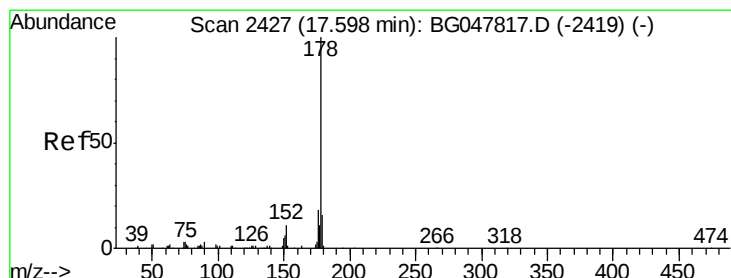
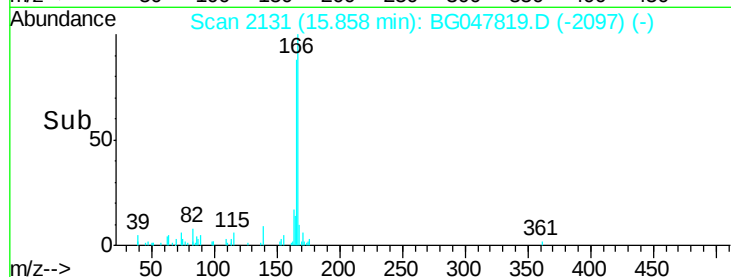
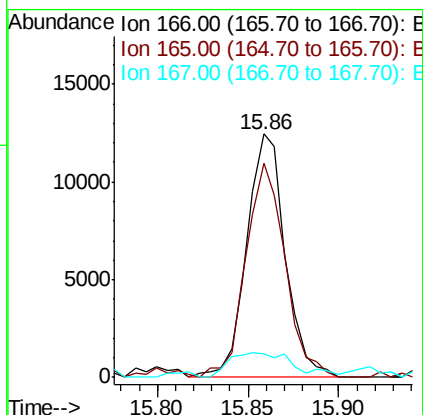
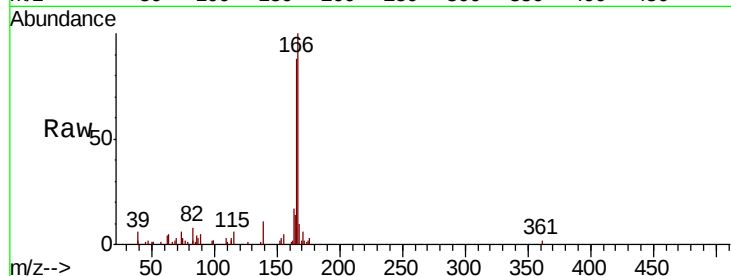
#59
Fluorene
 Concen: 2.440 ng/ul
 RT: 15.86 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: BG047819.D
 Acq: 24 Dec 2020 5:22

Instrument :
 BNA_G
 ClientSampleId :
 CB8A1

Tot Ion	Ratio	Lower	Upper
166	100		
165	87.9	81.8	122.6
167	9.8	11.1	16.7#

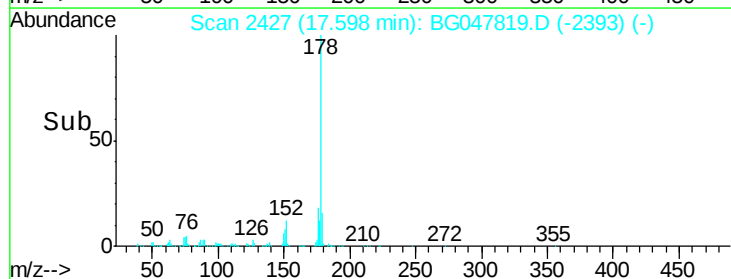
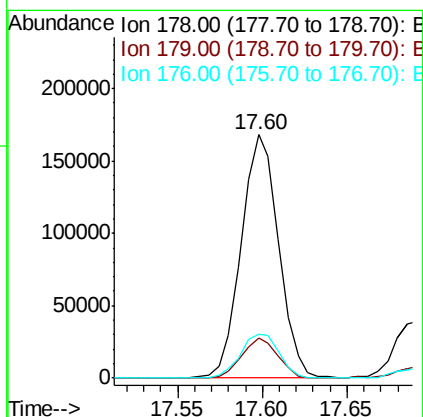
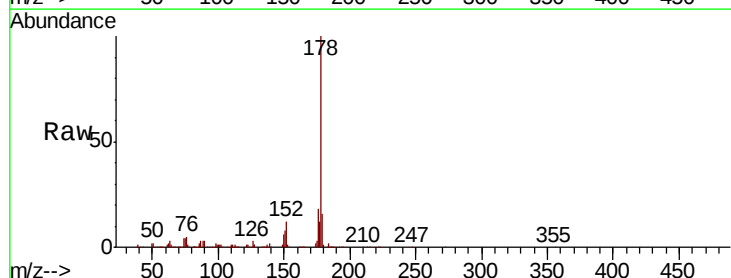
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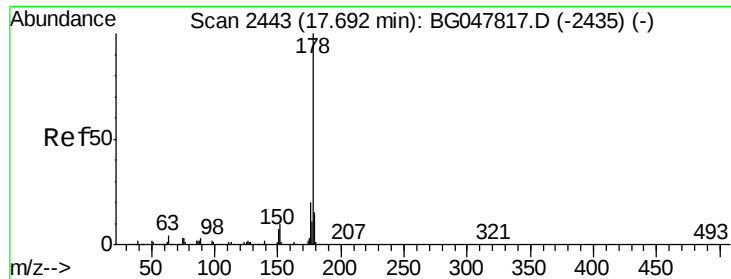
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#70
Phenanthrene
 Concen: 22.012 ng/ul
 RT: 17.60 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BG047819.D
 Acq: 24 Dec 2020 5:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	13.1	19.7
176	18.2	15.2	22.8





#72

Anthracene

Concen: 5.097 ng/ul

RT: 17.69 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Instrument :

BNA_G

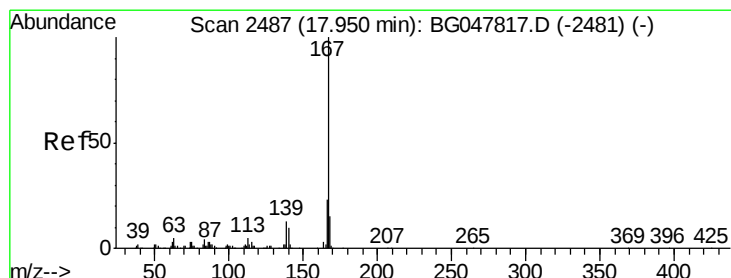
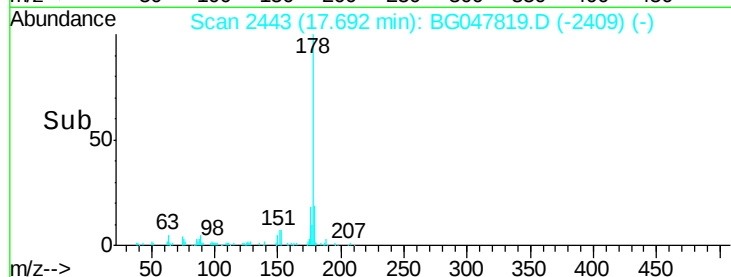
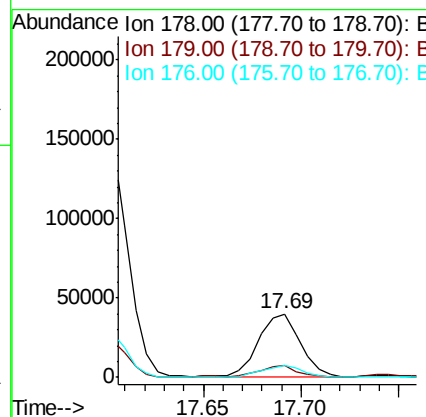
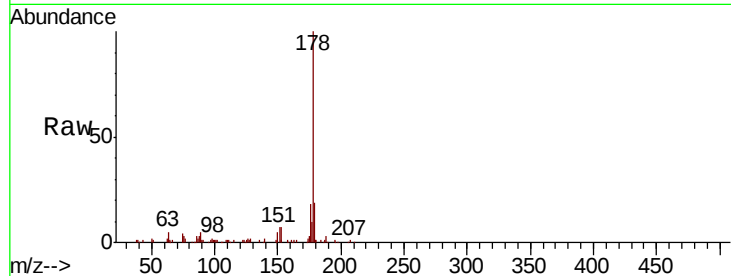
ClientSampleId :

CB8A1

Tot Ion:178	Resp:	59787
Ion Ratio	Lower	Upper
178 100		
179 18.7	13.1	19.7
176 17.9	15.4	23.2

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#75

Carbazole

Concen: 2.000 ng/ul

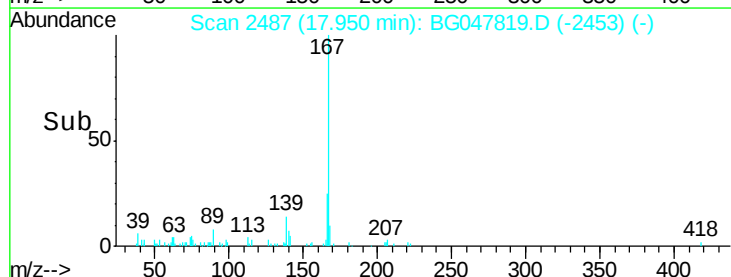
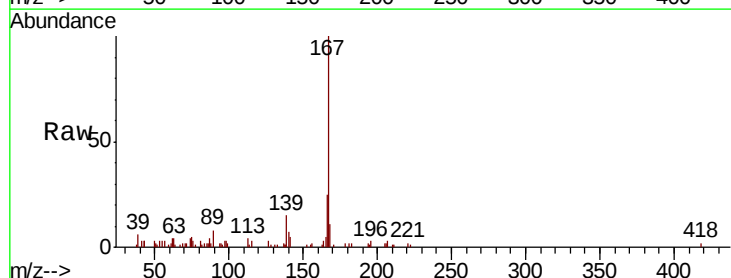
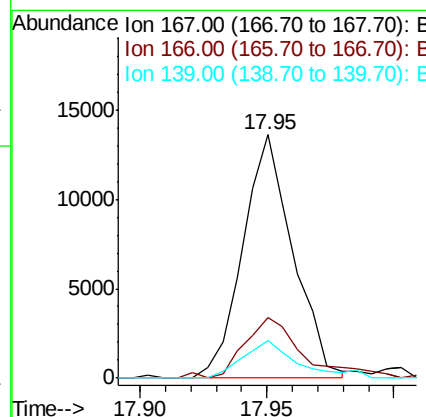
RT: 17.95 min Scan# 2487

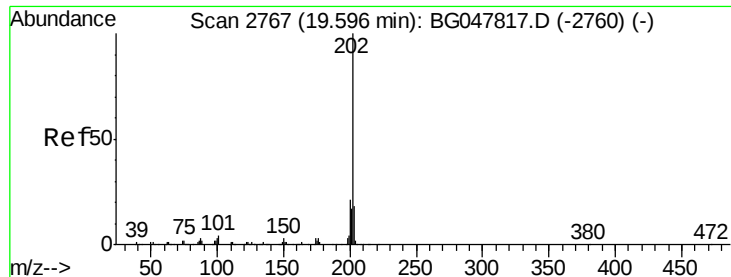
Delta R.T. 0.00 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Tgt Ion:167	Resp:	18704
Ion Ratio	Lower	Upper
167 100		
166 25.0	19.4	29.0
139 15.3	11.0	16.6





#77

Fluoranthene

Concen: 27.615 ng/ul

RT: 19.60 min Scan# 2767

Delta R.T. 0.00 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Instrument :

BNA_G

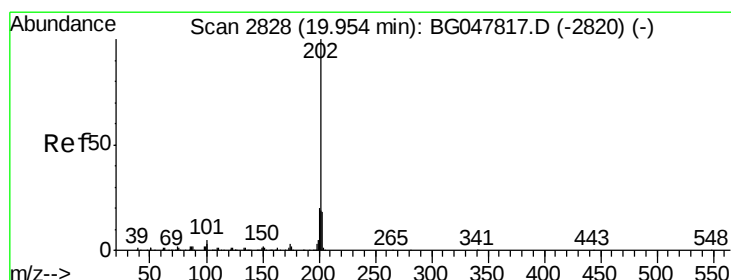
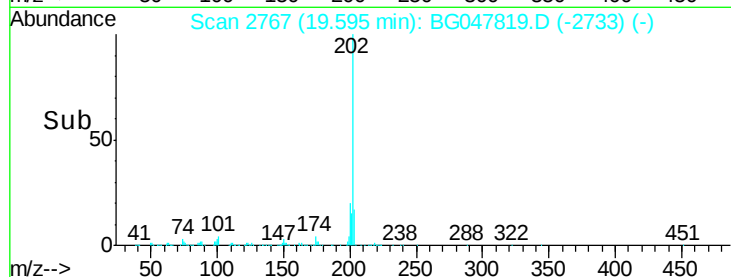
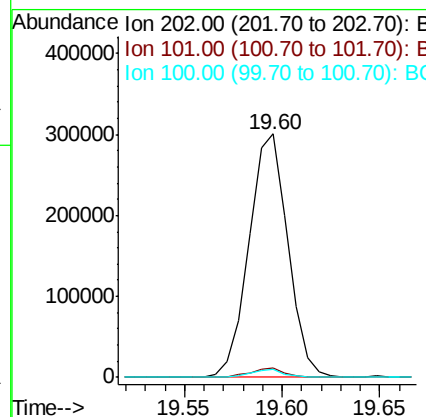
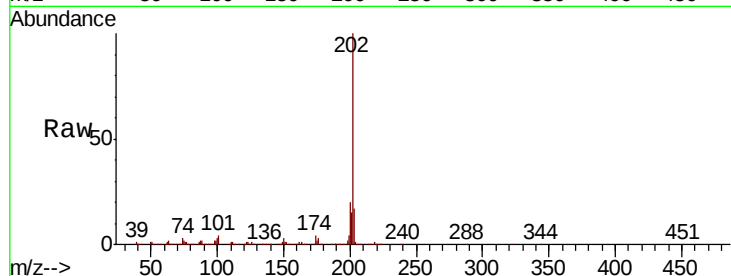
ClientSampleId :

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Tot Ion:	202	Resp:	413451
Ion Ratio	Lower	Upper	
202	100		
101	3.6	2.8	4.2
100	3.2	2.5	3.7

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#80

Pyrene

Concen: 22.746 ng/ul

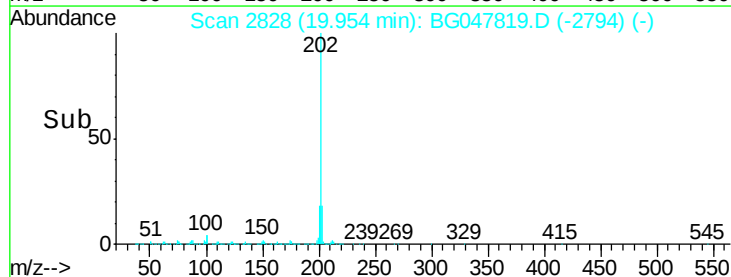
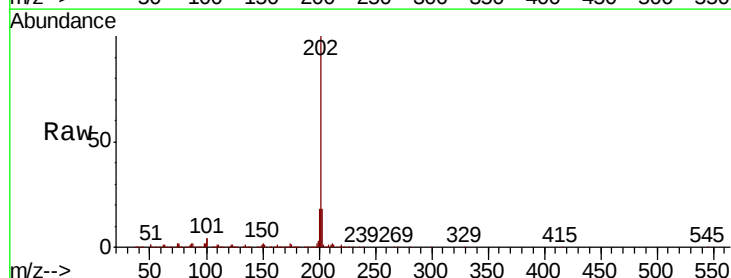
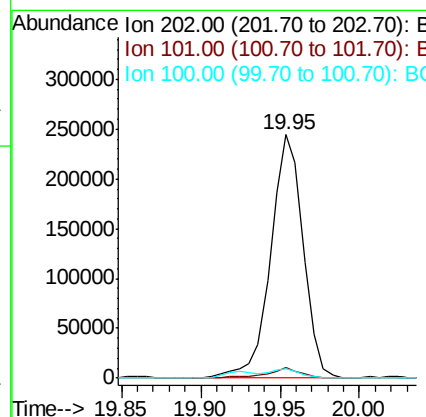
RT: 19.95 min Scan# 2828

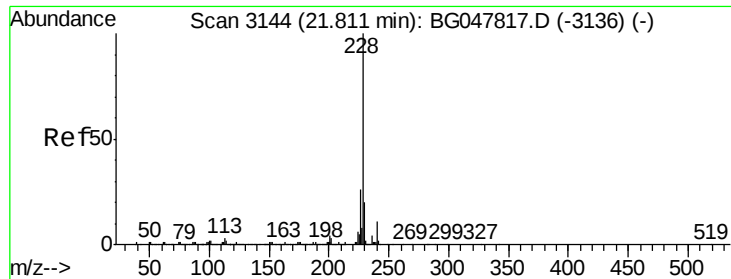
Delta R.T. 0.00 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Tgt Ion:	202	Resp:	347782
Ion Ratio	Lower	Upper	
202	100		
101	4.4	3.7	5.5
100	3.8	2.7	4.1





#83

Benzo(a)anthracene

Concen: 14.568 ng/ul

RT: 21.81 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Instrument :

BNA_G

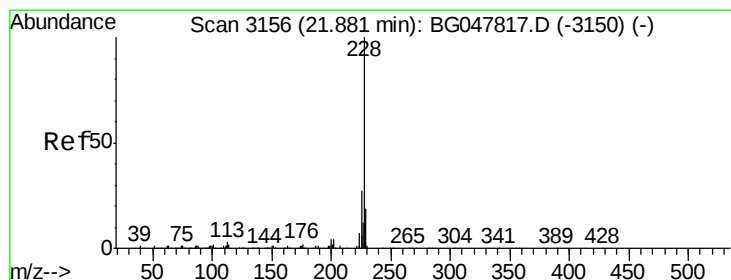
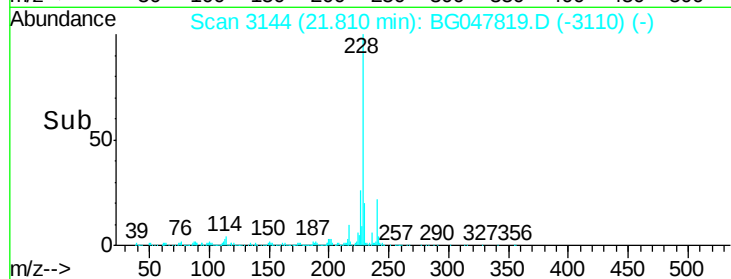
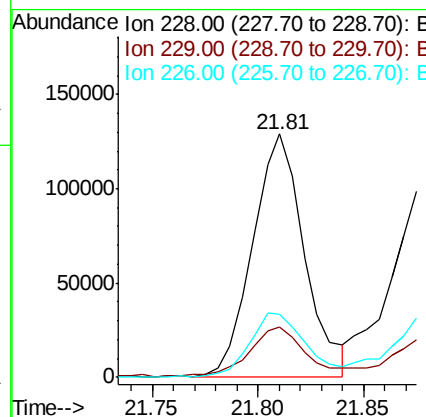
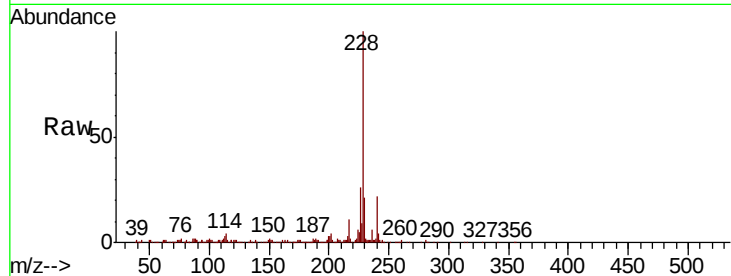
ClientSampleId :

CB8A1

Tot Ion:	228	Resp:	218807
Ion Ratio	Lower	Upper	
228	100		
229	20.6	17.0	25.4
226	25.7	21.3	31.9

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#85

Chrysene

Concen: 12.949 ng/ul

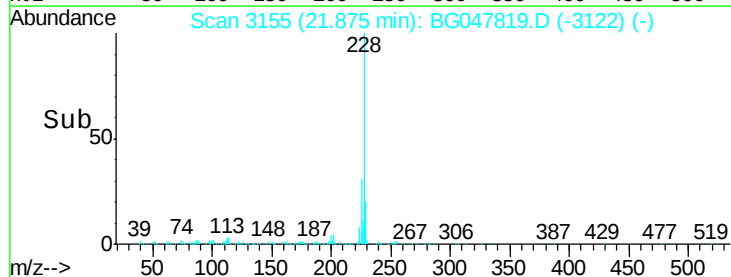
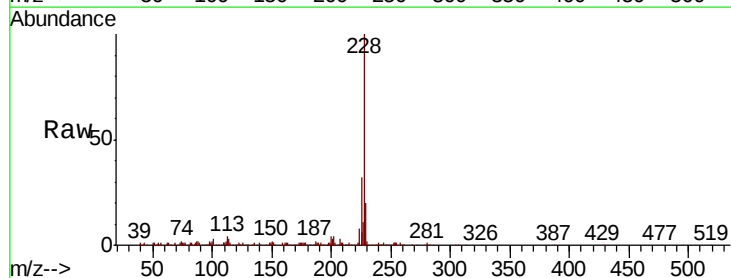
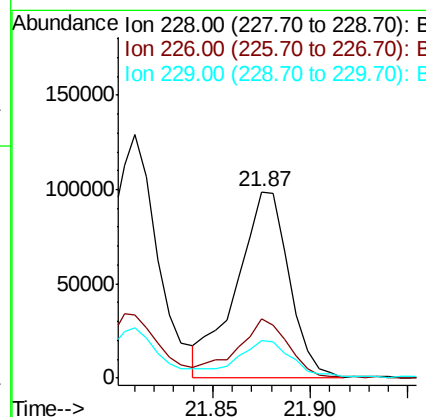
RT: 21.87 min Scan# 3155

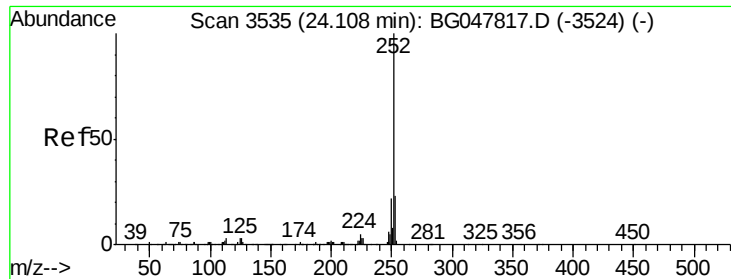
Delta R.T. -0.01 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Tgt Ion:	228	Resp:	183555
Ion Ratio	Lower	Upper	
228	100		
226	32.1	23.0	34.4
229	20.3	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 18.146 ng/ul

RT: 24.11 min Scan# 3536

Delta R.T. 0.01 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Instrument :

BNA_G

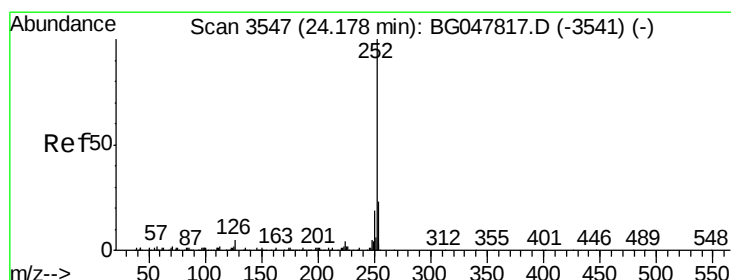
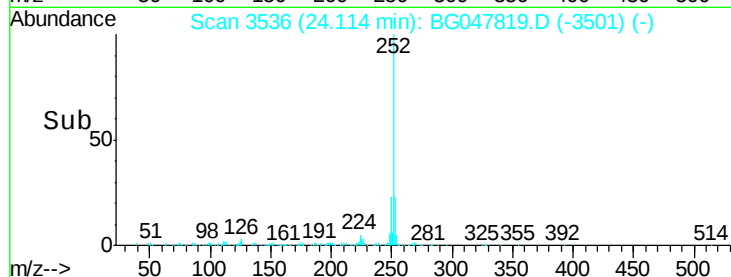
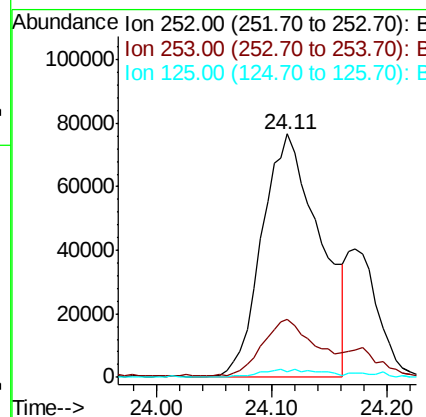
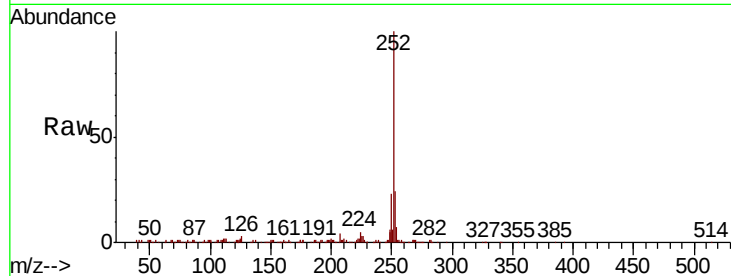
ClientSampled :

CB8A1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	2.4	2.2	3.2

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#89

Benzo(k)fluoranthene

Concen: 5.143 ng/ul m

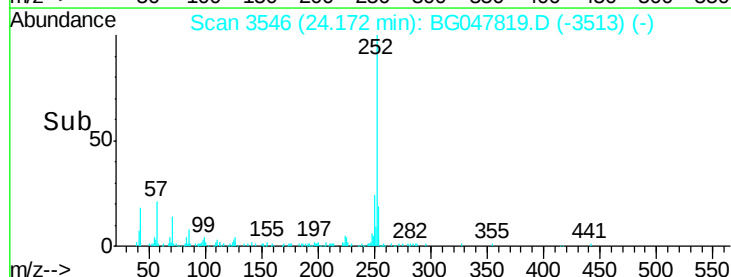
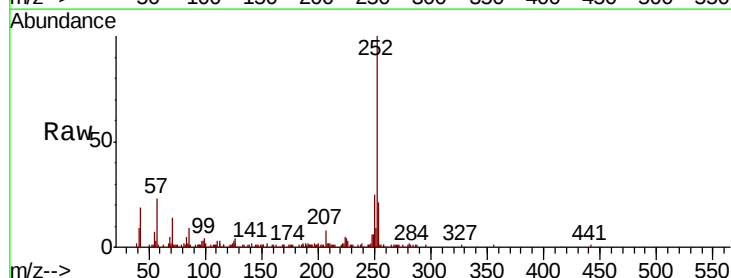
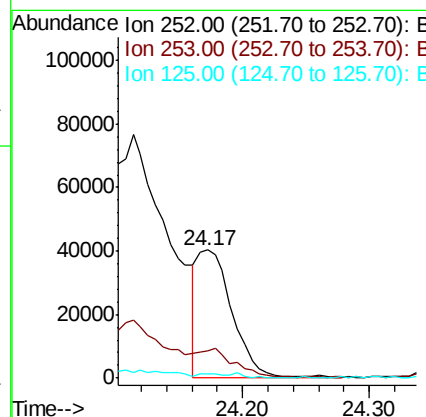
RT: 24.17 min Scan# 3546

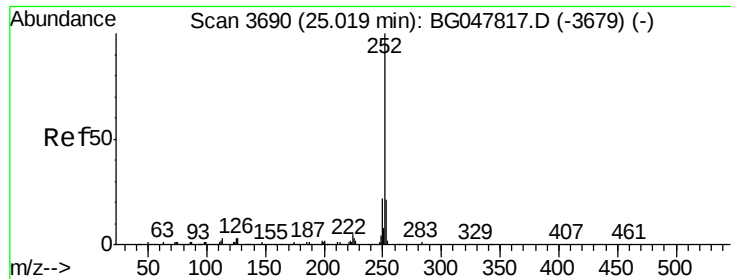
Delta R.T. -0.01 min

Lab File: BG047819.D

Acq: 24 Dec 2020 5:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.2	25.8
125	3.3	3.1	4.7





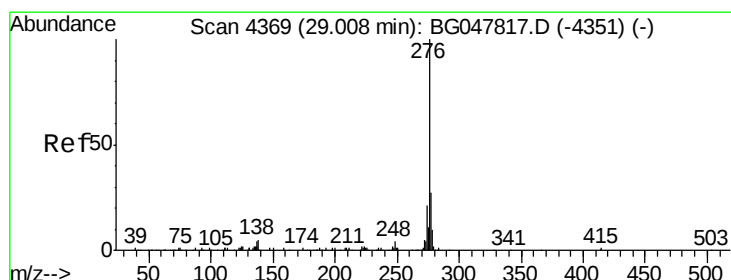
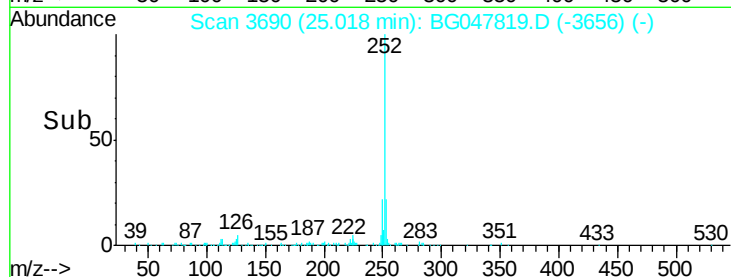
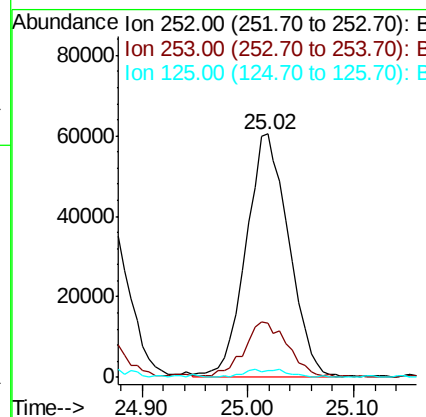
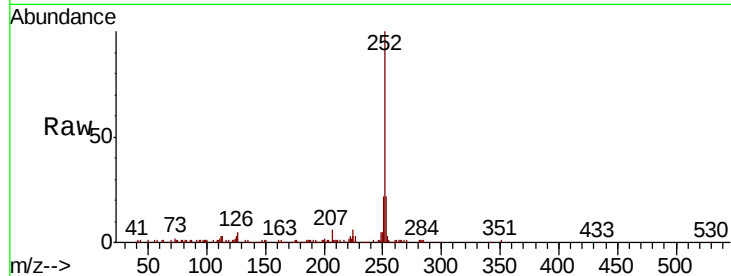
#91
Benzo(a)pyrene
Concen: 12.651 ng/ul
RT: 25.02 min Scan# 3690
Delta R.T. 0.00 min
Lab File: BG047819.D
Acq: 24 Dec 2020 5:22

Instrument :
BNA_G
ClientSampleId :
CB8A1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	168085		
253	22.4		17.1	25.7
125	3.0		2.2	3.2

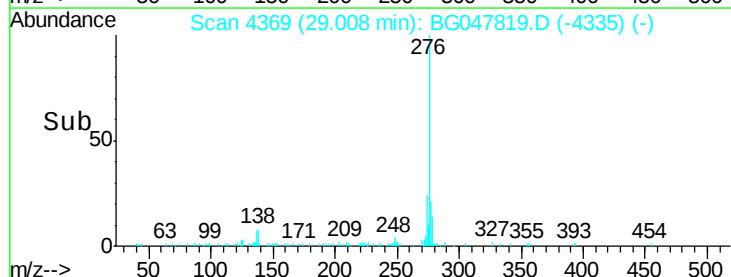
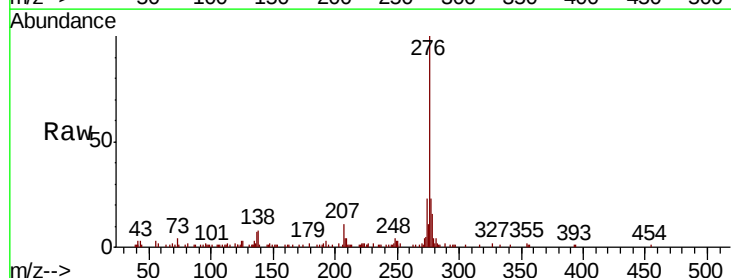
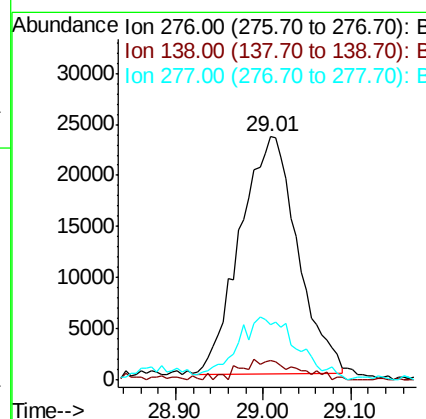
Manual Integrations
APPROVED

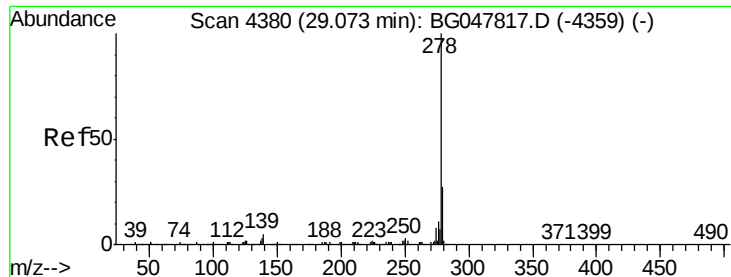
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#92
Indeno(1,2,3-cd)pyrene
Concen: 6.441 ng/ul
RT: 29.01 min Scan# 4369
Delta R.T. 0.00 min
Lab File: BG047819.D
Acq: 24 Dec 2020 5:22

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	104353		
138	8.1		4.6	7.0#
277	22.6		19.9	29.9





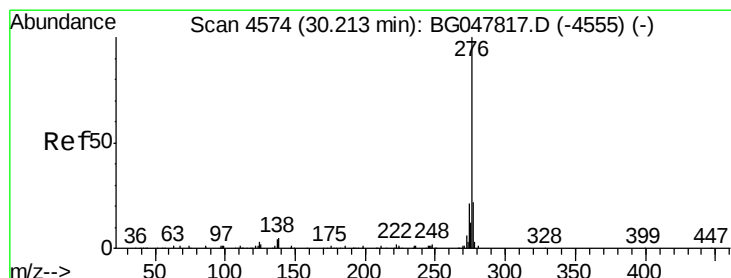
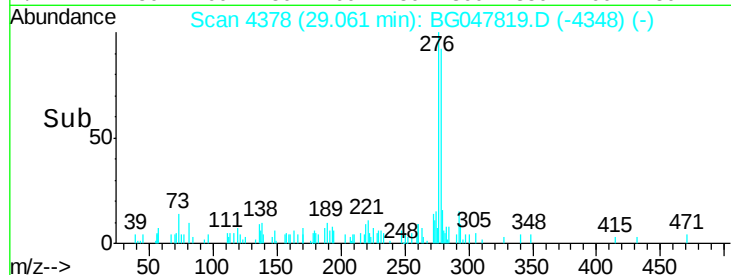
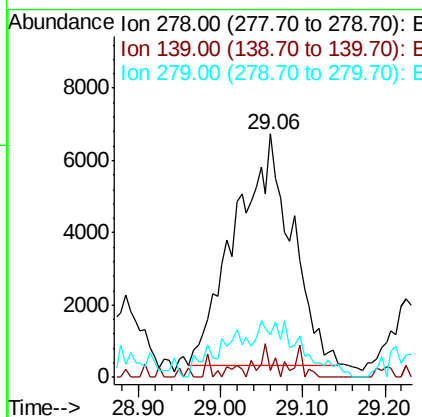
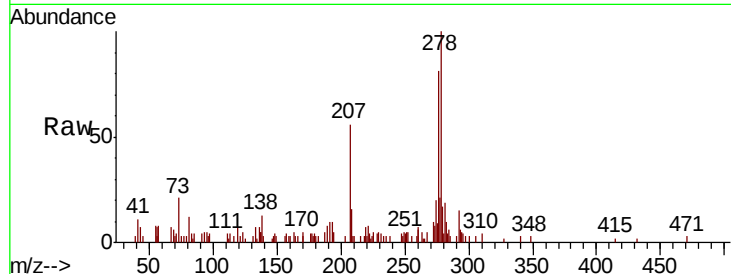
#93
Dibenzo(a,h)anthracene
Concen: 2.247 ng/ul m
RT: 29.06 min Scan# 4378
Delta R.T. -0.02 min
Lab File: BG047819.D
Acq: 24 Dec 2020 5:22

Instrument :
BNA_G
ClientSampleId :
CB8A1

Tot Ion	Ratio	Lower	Upper
278	100		
139	2.7	5.1	7.7#
279	17.4	18.2	27.2#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 7.199 ng/ul
RT: 30.21 min Scan# 4573
Delta R.T. 0.01 min
Lab File: BG047819.D
Acq: 24 Dec 2020 5:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.3	5.4	8.0#
277	26.0	17.8	26.8

