

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\
 Data File : BG047828.D
 Acq On : 24 Dec 2020 13:18
 Operator : CG/JU
 Sample : L5149-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB897

Manual Integrations
 APPROVED

mohammad
 12/28/2020 1:36:03 PM

Quant Time: Dec 24 14:35:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 13:42:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	30474	20.00	ng/ul	0.00
18) Naphthalene-d8	11.02	136	111159	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.82	164	78611	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.56	188	182984	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	171597	20.00	ng/ul	0.00
86) Perylene-d12	25.19	264	172981	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	4316	7.54	ng/uL	0.00
5) Phenol-d5	7.34	99	100984	38.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.51	67	54476	40.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	77604	39.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.90	113	80609	38.94	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	37429	41.30	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	47007	43.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	93154	39.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	99739	45.79	ng/ul	0.00
44) Dimethylphthalate-d6	14.21	166	272195	39.86	ng/ul	0.00
47) Acenaphthylene-d8	14.52	160	341499	43.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	38746	38.26	ng/ul	0.00
58) Fluorene-d10	15.81	176	250728	39.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	44067	35.58	ng/ul	0.00
71) Anthracene-d10	17.66	188	373379	40.91	ng/ul	0.00
79) Pyrene-d10	19.93	212	418321	41.25	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.95	264	430276	42.59	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.08	128	44419	7.166	ng/ul#	95
34) 2-Methylnaphthalene	12.66	142	18570	3.889	ng/ul	86
48) Acenaphthylene	14.55	152	7241	1.001	ng/ul	95
50) Acenaphthene	14.88	153	21194	4.145	ng/ul	95
54) Dibenzofuran	15.22	168	30940	4.147	ng/ul	97
59) Fluorene	15.86	166	33962	5.324	ng/ul	85
70) Phenanthrene	17.60	178	432602	43.619	ng/ul	99
72) Anthracene	17.69	178	104839m	10.605	ng/ul	
75) Carbazole	17.96	167	22945	2.910	ng/ul#	92
77) Fluoranthene	19.60	202	575177	45.579	ng/ul	99
80) Pyrene	19.96	202	465585	37.306	ng/ul#	98
83) Benzo(a)anthracene	21.81	228	249361	20.340	ng/ul	97
85) Chrysene	21.88	228	221910	19.179	ng/ul	99
88) Benzo(b)fluoranthene	24.12	252	275246	22.794	ng/ul#	98
89) Benzo(k)fluoranthene	24.18	252	81620m	6.820	ng/ul	
91) Benzo(a)pyrene	25.02	252	161045m	14.789	ng/ul	
92) Indeno(1,2,3-cd)pyrene	29.03	276	95786m	7.213	ng/ul	
93) Dibenzo(a,h)anthracene	29.07	278	30565m	2.746	ng/ul	
94) Benzo(g,h,i)perylene	30.22	276	86287m	7.914	ng/ul	

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

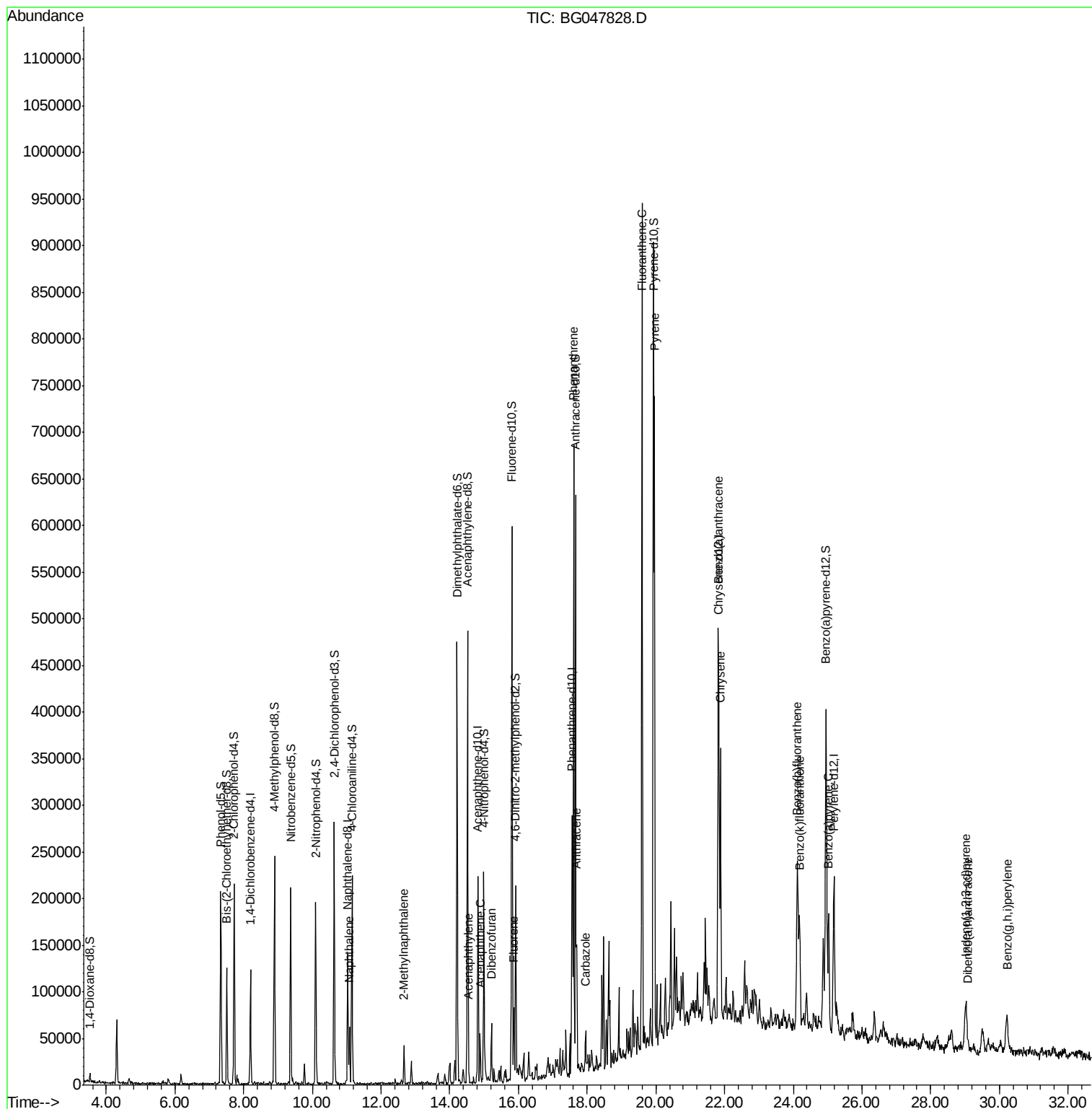
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\
Data File : BG047828.D
Acq On : 24 Dec 2020 13:18
Operator : CG/JU
Sample : L5149-01
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ALS Vial : 32 Sample Multiplier: 1

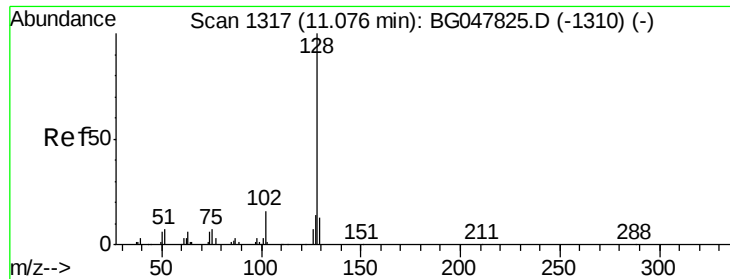
Instrument :
BNA_G
ClientSampled :
CB897

Manual Integrations
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Quant Time: Dec 24 14:35:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
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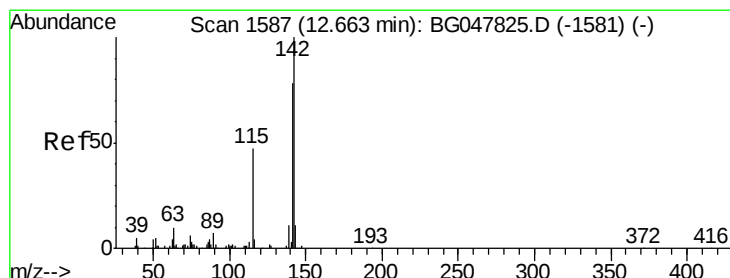
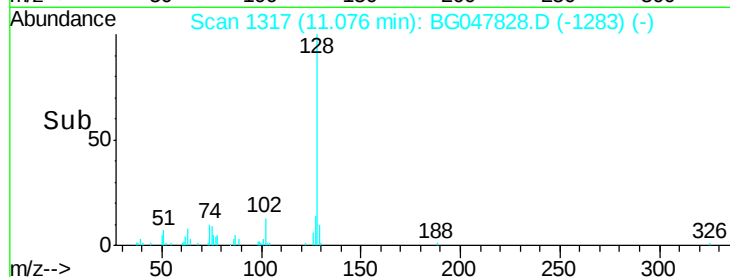
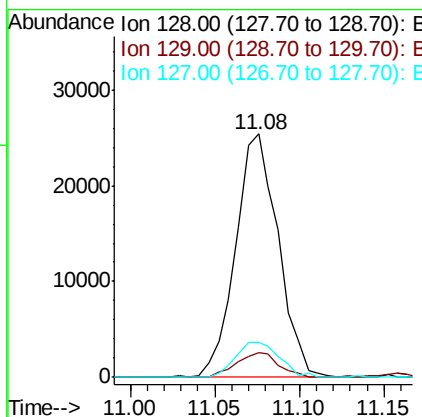
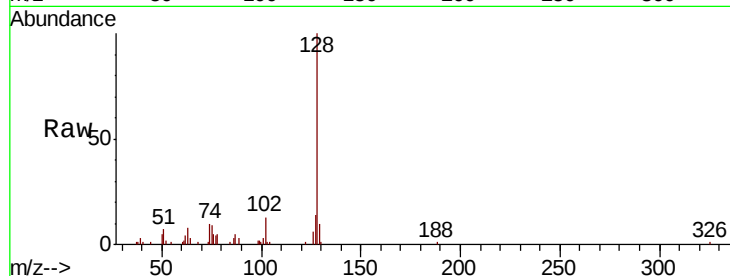
#28
Naphthalene
Concen: 7.166 ng/ul
RT: 11.08 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG047828.D
Acq: 24 Dec 2020 13:18

Instrument :
BNA_G
ClientSampleId :
CB897

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.6	13.0
127	14.3	8.7	13.1

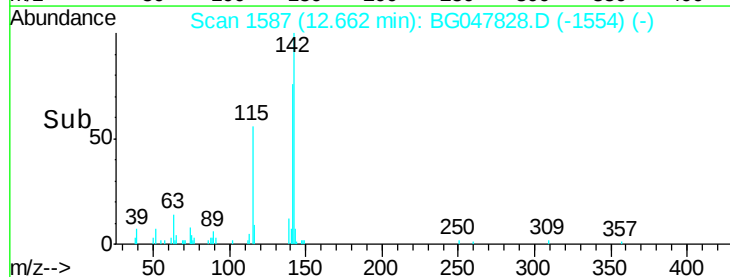
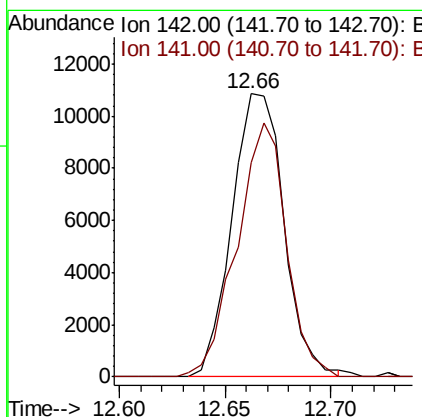
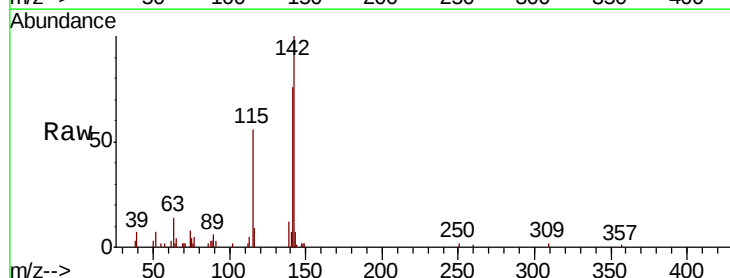
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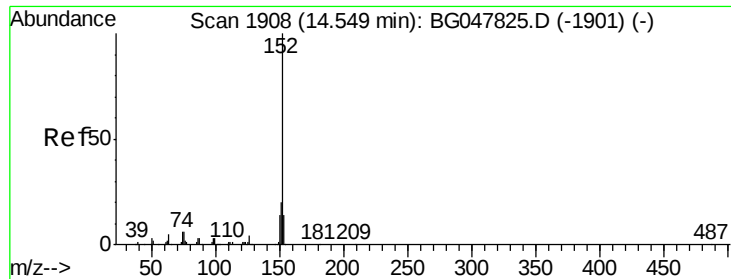
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#34
2-Methylnaphthalene
Concen: 3.889 ng/ul
RT: 12.66 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BG047828.D
Acq: 24 Dec 2020 13:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	75.9	70.9	106.3





#48

Acenaphthylene

Concen: 1.001 ng/ul

RT: 14.55 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

Instrument :

BNA_G

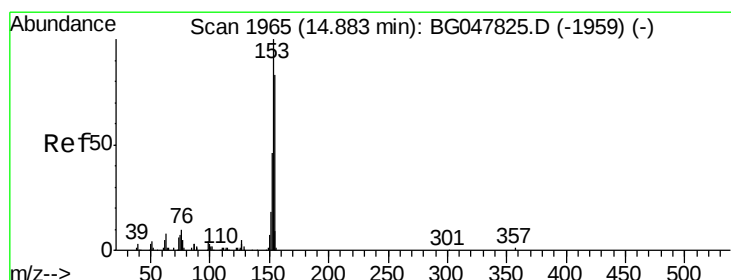
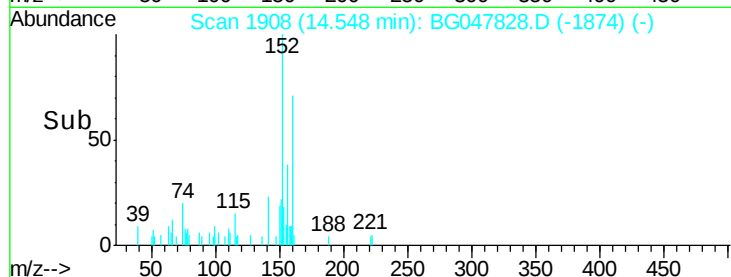
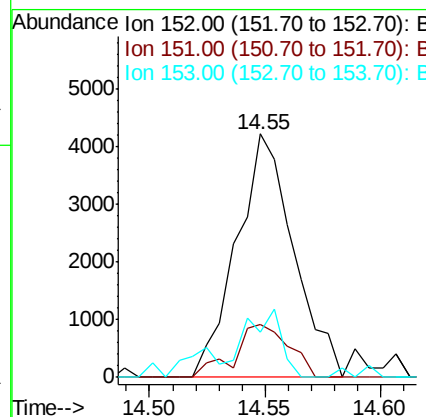
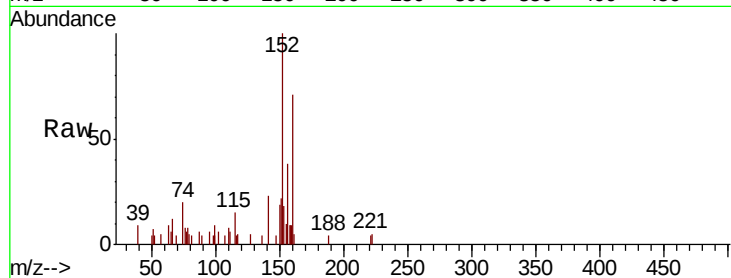
ClientSampled :

CB897

Tot Ion:	152	Resp:	7241
Ion Ratio	Lower	Upper	
152	100		
151	21.6	15.9	23.9
153	18.4	12.5	18.7

Manual Integrations
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#50

Acenaphthene

Concen: 4.145 ng/ul

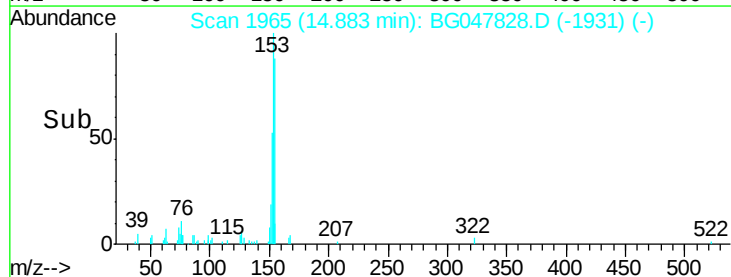
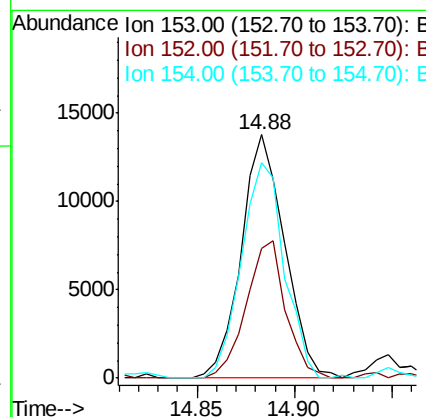
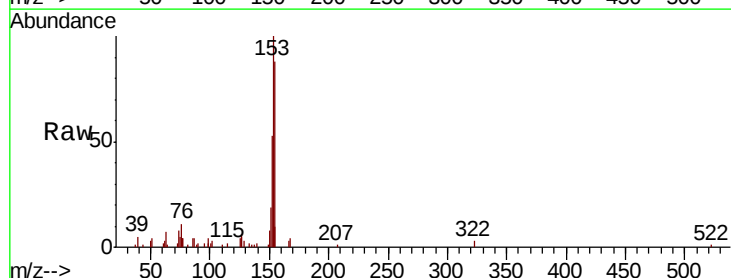
RT: 14.88 min Scan# 1965

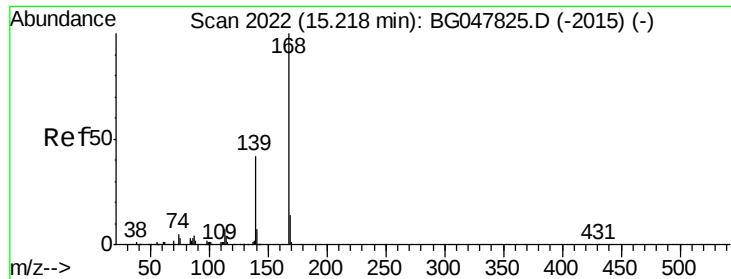
Delta R.T. 0.00 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

Tgt Ion:	153	Resp:	21194
Ion Ratio	Lower	Upper	
153	100		
152	53.2	38.2	57.4
154	88.3	73.8	110.6





#54

Dibenzenofuran

Concen: 4.147 ng/ul

RT: 15.22 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

Instrument :

BNA_G

ClientSampleId :

CB897

Tot Ion:168 Resp: 30940

Ion Ratio Lower Upper

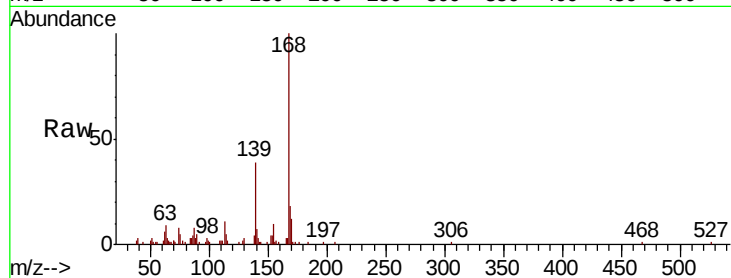
168 100

139 38.7 32.3 48.5

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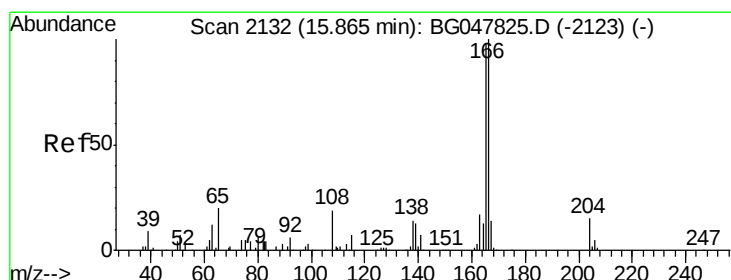
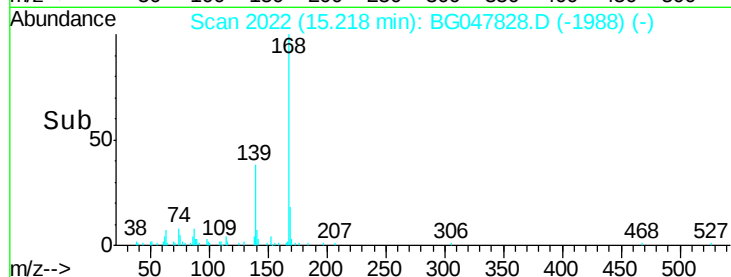
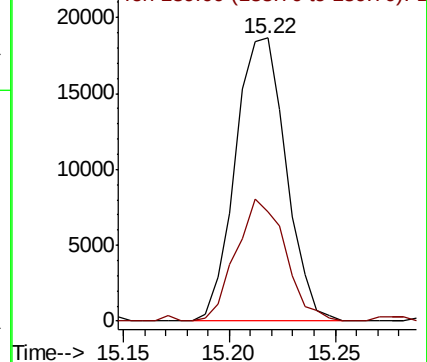
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 5.324 ng/ul

RT: 15.86 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

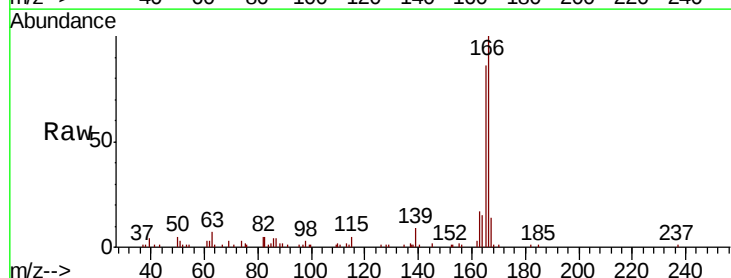
Tgt Ion:166 Resp: 33962

Ion Ratio Lower Upper

166 100

165 85.7 81.8 122.6

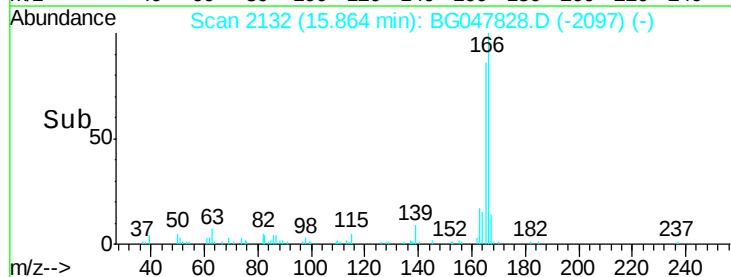
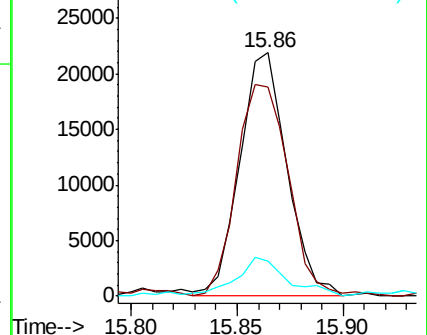
167 14.3 11.1 16.7

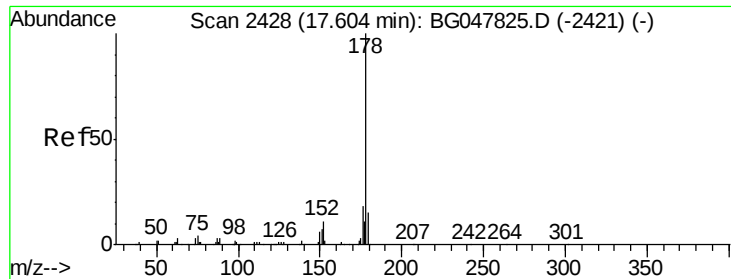


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 43.619 ng/ul

RT: 17.60 min Scan# 2428

Delta R.T. 0.01 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

Instrument :

BNA_G

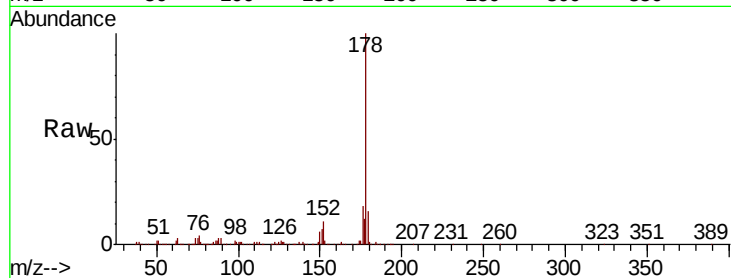
ClientSampleId :

CB897

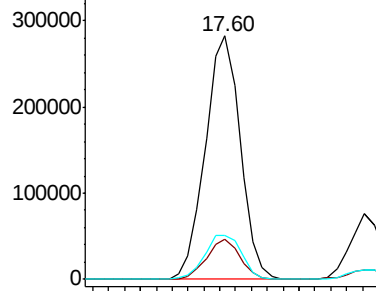
Tot Ion:	178	Resp:	432602
Ion Ratio	Lower	Upper	
178	100		
179	16.4	13.1	19.7
176	18.3	15.2	22.8

Manual Integrations
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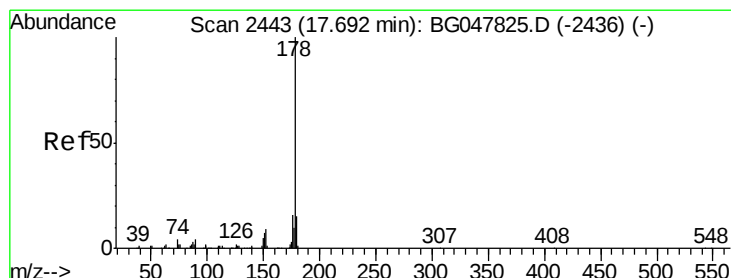
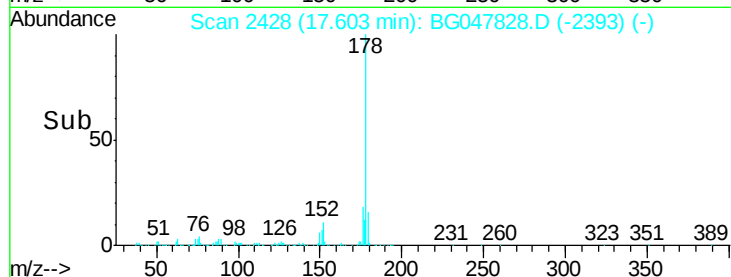
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 10.605 ng/ul

RT: 17.69 min Scan# 2443

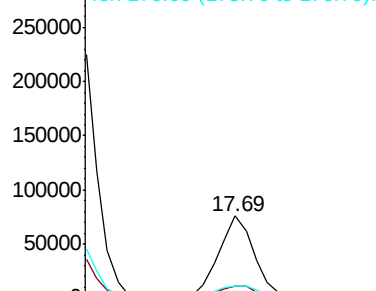
Delta R.T. 0.00 min

Lab File: BG047828.D

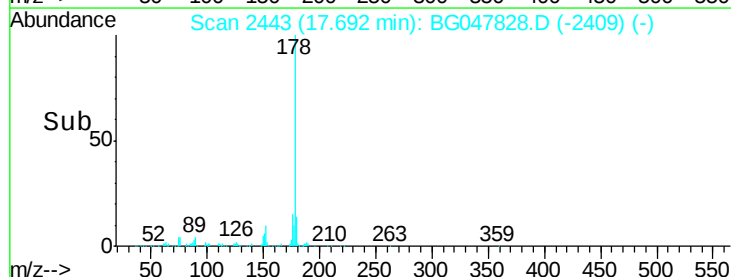
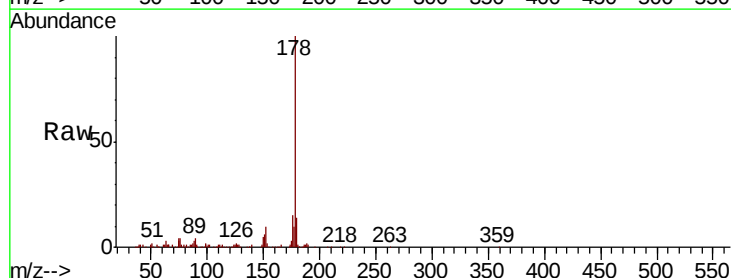
Acq: 24 Dec 2020 13:18

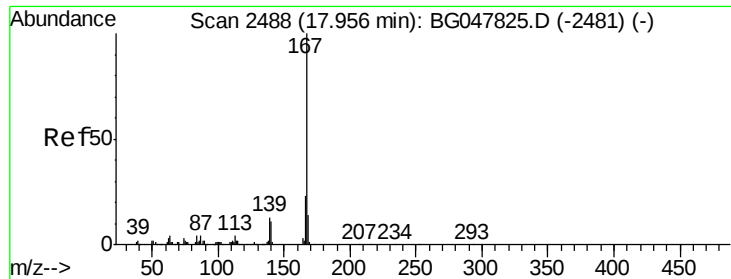
Tgt Ion:	178	Resp:	104839
Ion Ratio	Lower	Upper	
178	100		
179	14.1	13.1	19.7
176	14.5	15.4	23.2#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#75

Carbazole

Concen: 2.910 ng/ul

RT: 17.96 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

Instrument :

BNA_G

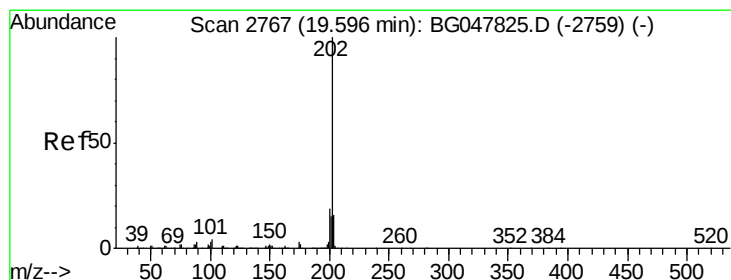
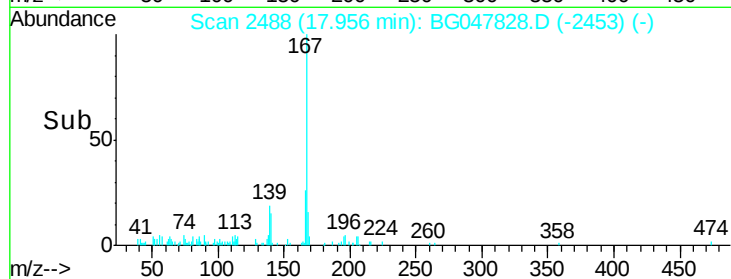
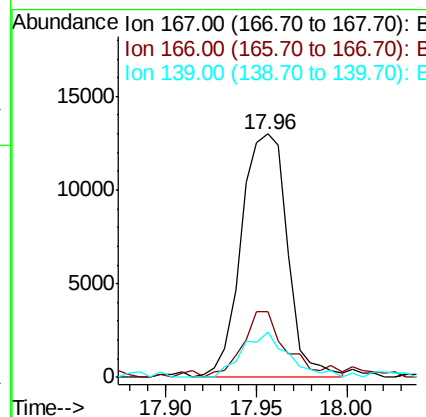
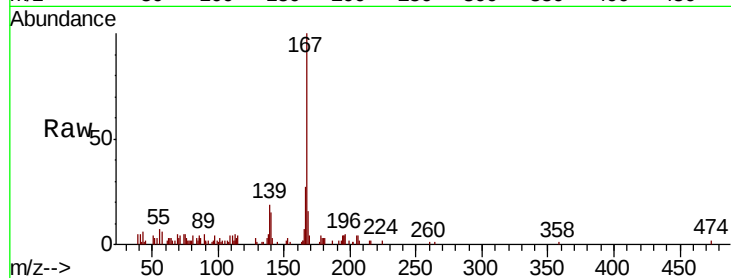
ClientSampled :

CB897

Tot Ion:	167	Resp:	22945
Ion Ratio	Lower	Upper	
167	100		
166	27.1	19.4	29.0
139	18.5	11.0	16.6#

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#77

Fluoranthene

Concen: 45.579 ng/ul

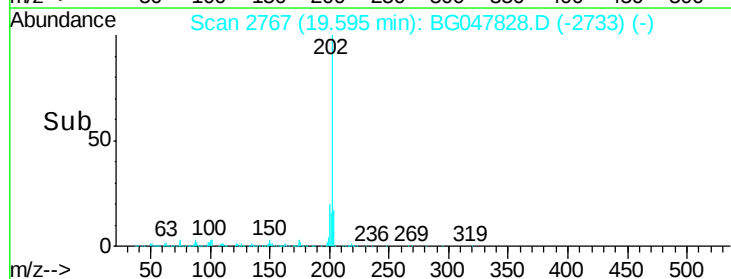
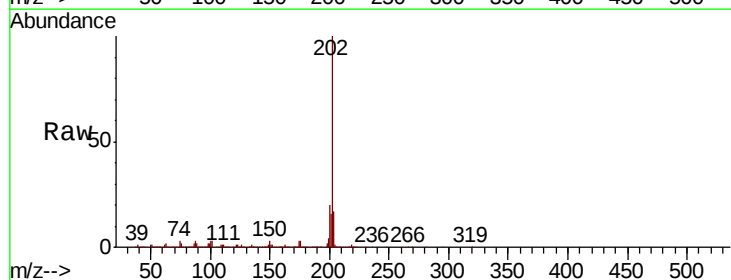
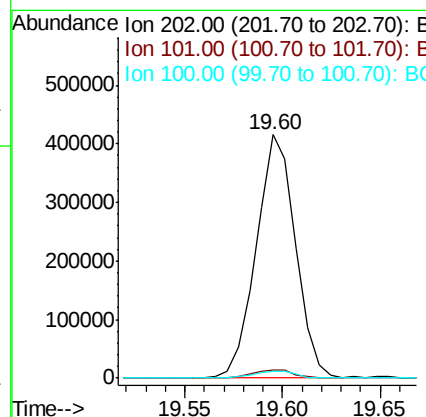
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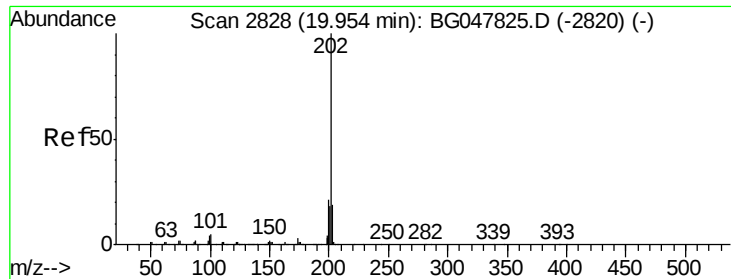
Delta R.T. 0.00 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

Tgt Ion:	202	Resp:	575177
Ion Ratio	Lower	Upper	
202	100		
101	3.1	2.8	4.2
100	3.0	2.5	3.7





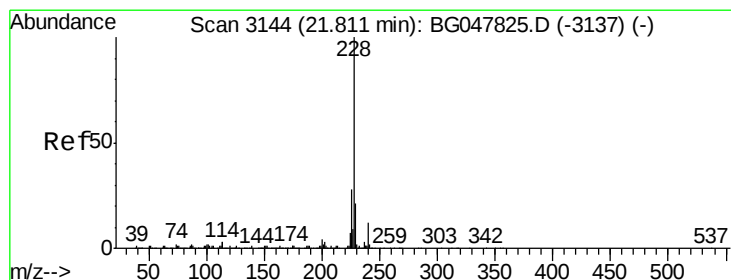
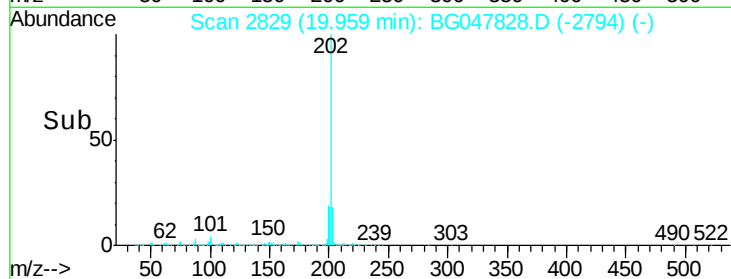
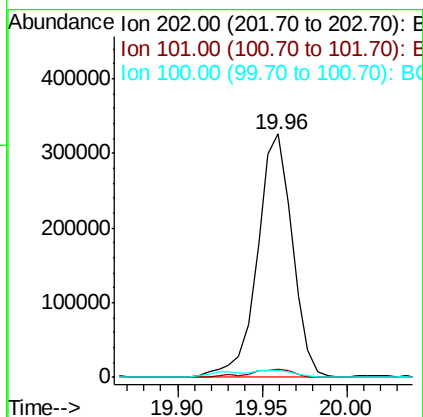
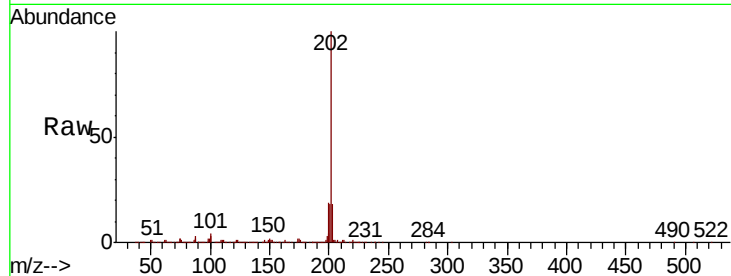
#80
Pvrene
Concen: 37.306 ng/ul
RT: 19.96 min Scan# 2829
Delta R.T. 0.01 min
Lab File: BG047828.D
Acq: 24 Dec 2020 13:18

Instrument :
BNA_G
ClientSampleId :
CB897

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	3.6	3.7	5.5#
100	3.0	2.7	4.1

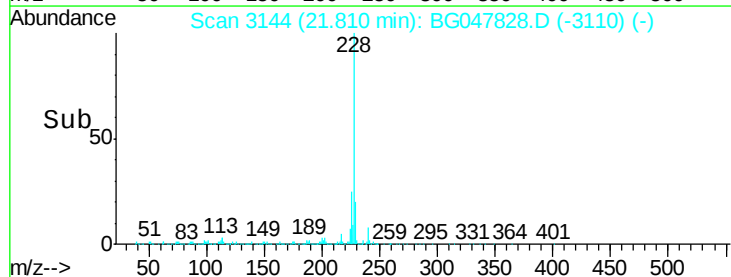
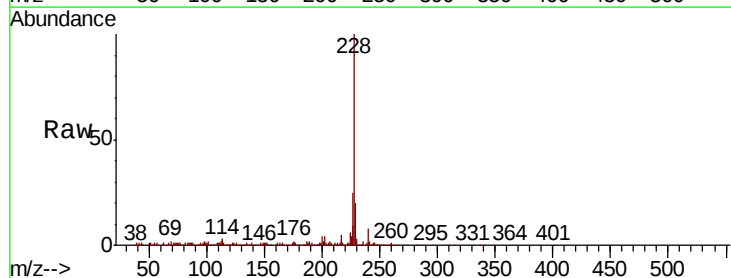
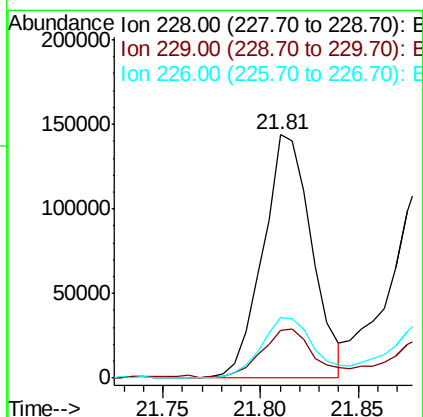
Manual Integrations
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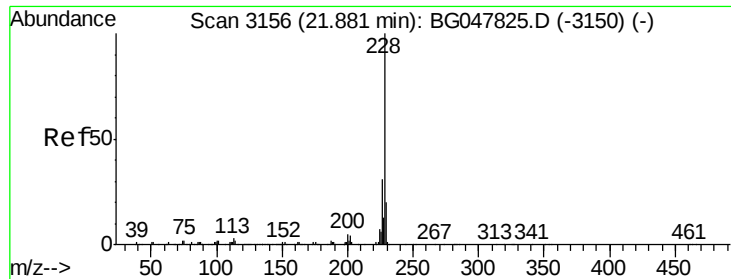
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#83
Benzo(a)anthracene
Concen: 20.340 ng/ul
RT: 21.81 min Scan# 3144
Delta R.T. 0.00 min
Lab File: BG047828.D
Acq: 24 Dec 2020 13:18

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.8	17.0	25.4
226	25.0	21.3	31.9





#85

Chrysene

Concen: 19.179 ng/ul

RT: 21.88 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

Instrument :

BNA_G

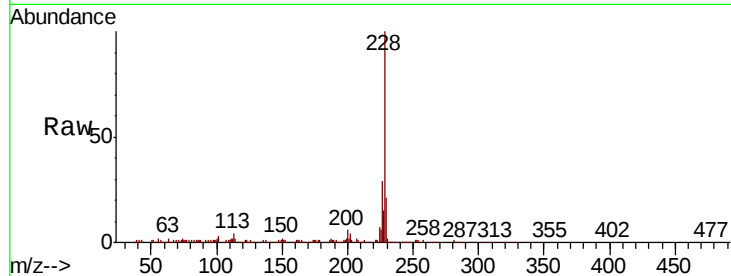
ClientSampleId :

CB897

Tot Ion:	228	Resp:	221910
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.0	34.4
229	20.5	16.0	24.0

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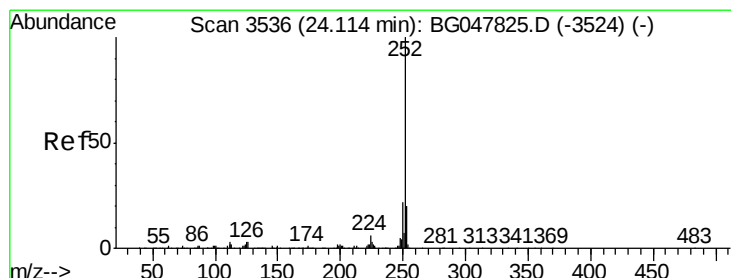
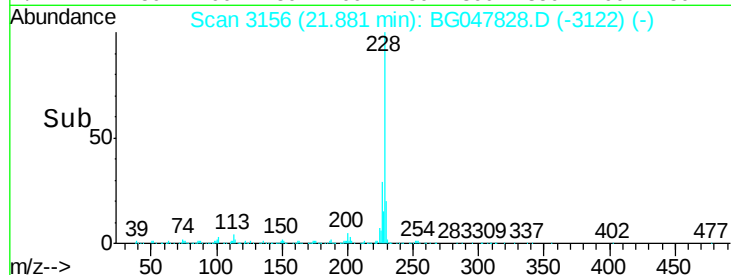
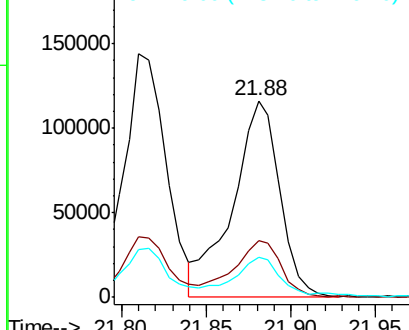


Abundance

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: 22.794 ng/ul

RT: 24.12 min Scan# 3537

Delta R.T. 0.01 min

Lab File: BG047828.D

Acq: 24 Dec 2020 13:18

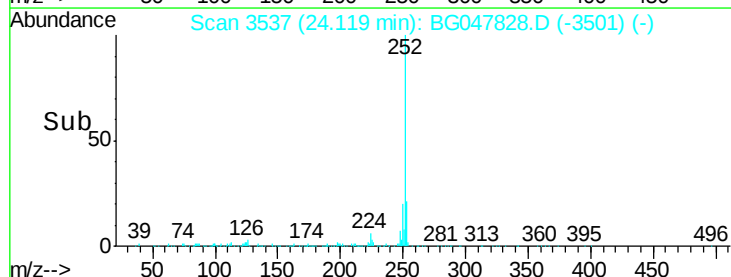
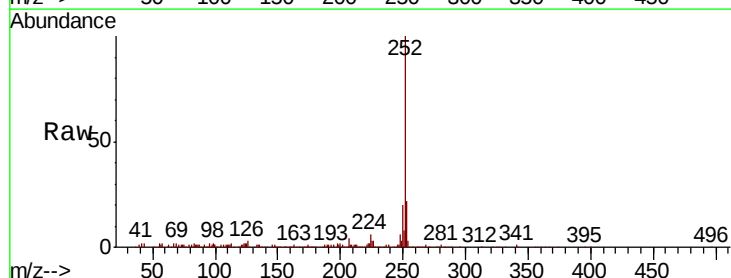
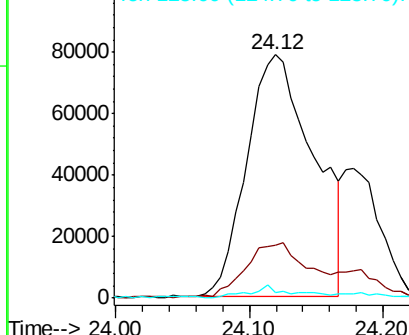
Tgt Ion:	252	Resp:	275246
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.2	27.2
125	2.0	2.2	3.2#

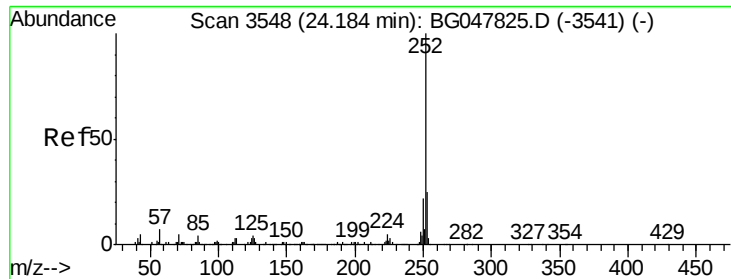
Abundance

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





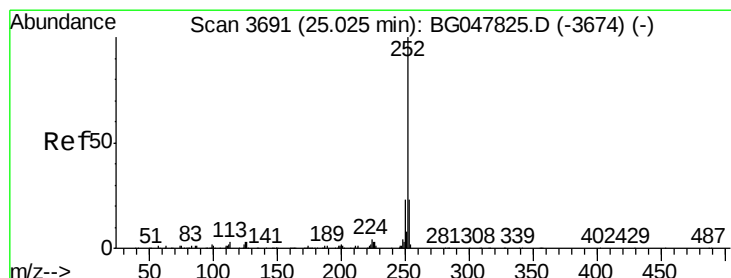
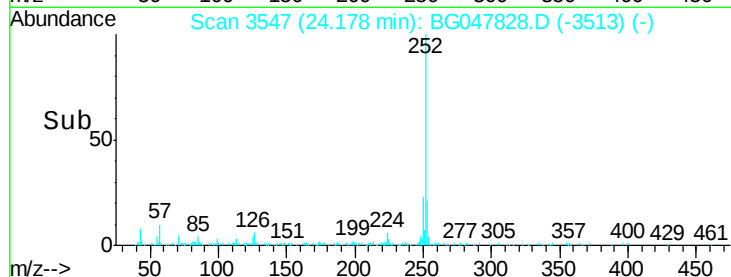
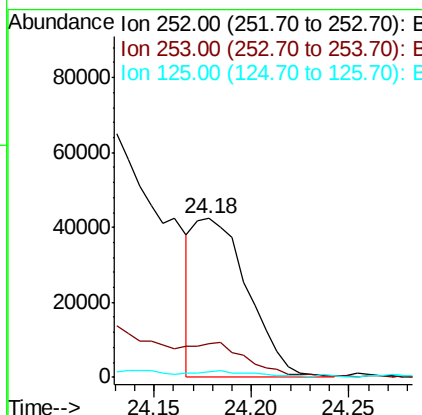
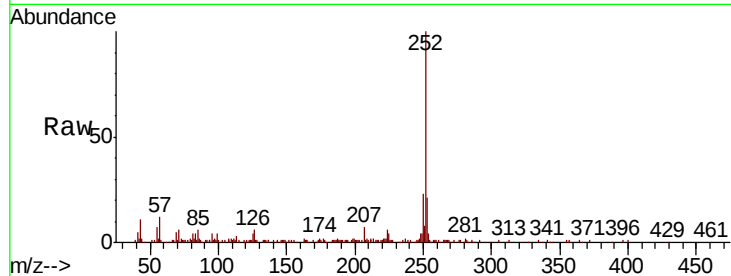
#89
Benzo(k)fluoranthene
Concen: 6.820 ng/ul m
RT: 24.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: BG047828.D
Acq: 24 Dec 2020 13:18

Instrument :
BNA_G
ClientSampleId :
CB897

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	3.6	3.1	4.7

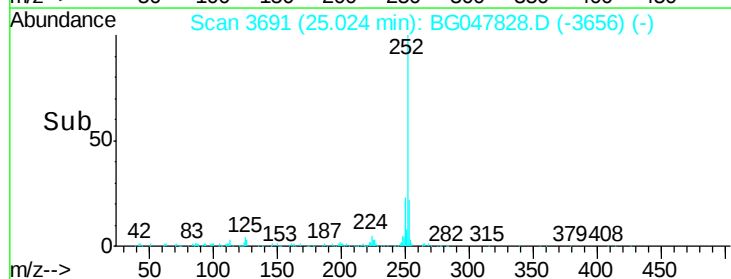
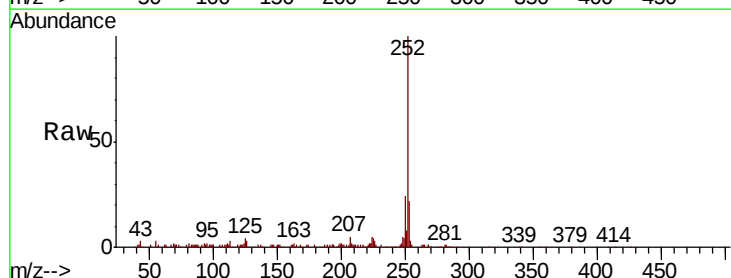
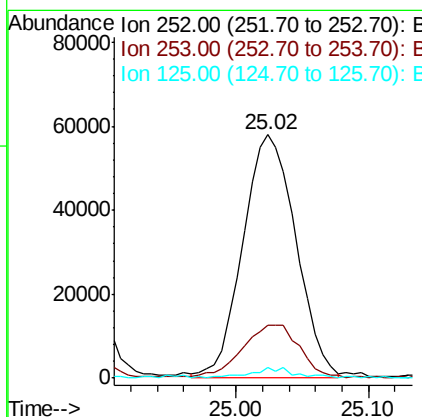
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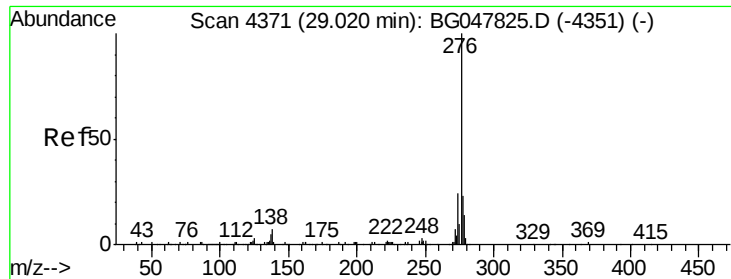
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#91
Benzo(a)pyrene
Concen: 14.789 ng/ul m
RT: 25.02 min Scan# 3691
Delta R.T. 0.01 min
Lab File: BG047828.D
Acq: 24 Dec 2020 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	4.1	2.2	3.2#





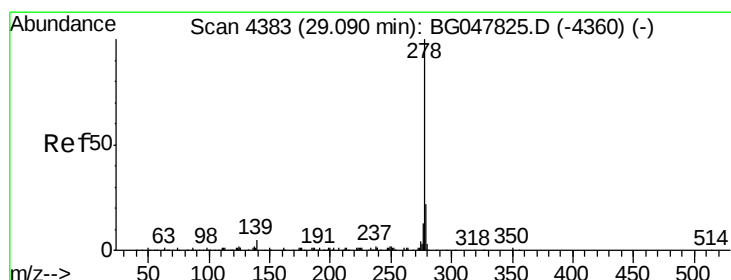
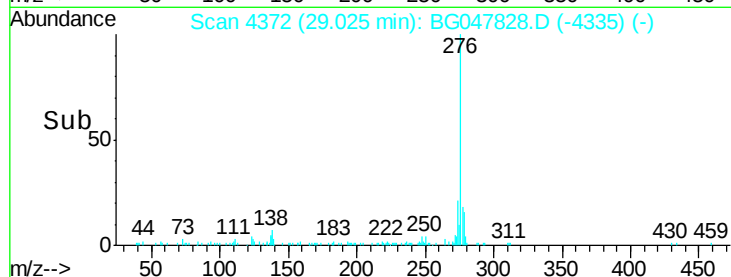
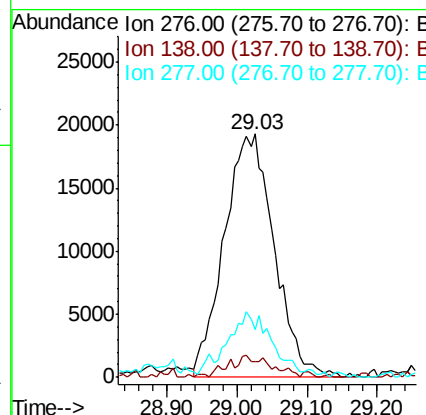
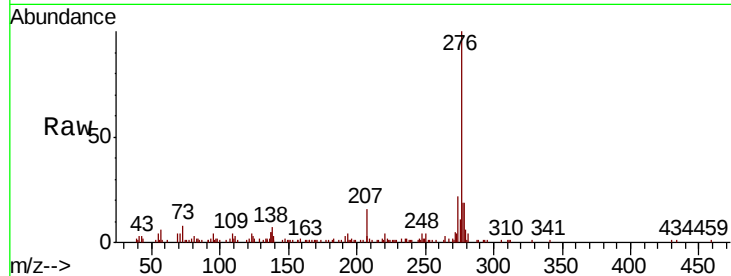
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 7.213 ng/ul m
 RT: 29.03 min Scan# 4372
 Delta R.T. 0.02 min
 Lab File: BG047828.D
 Acq: 24 Dec 2020 13:18

Instrument :
 BNA_G
 ClientSampled :
 CB897

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.6	4.6	7.0
277	19.5	19.9	29.9#

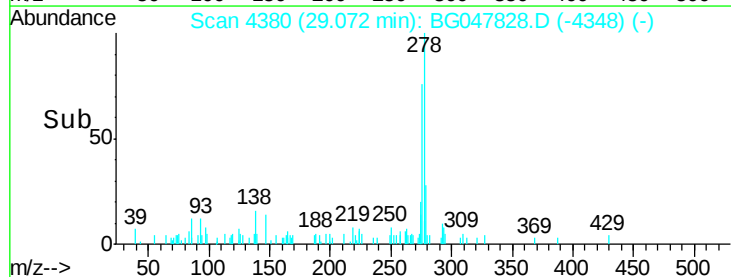
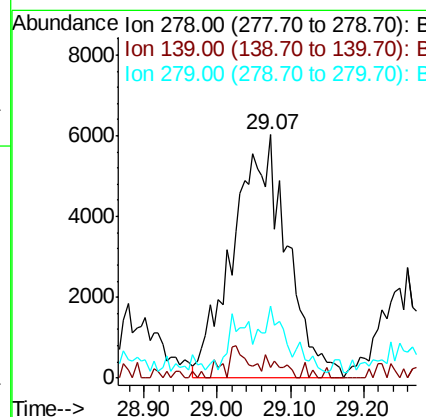
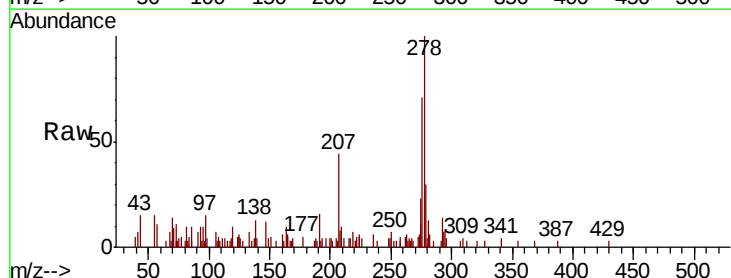
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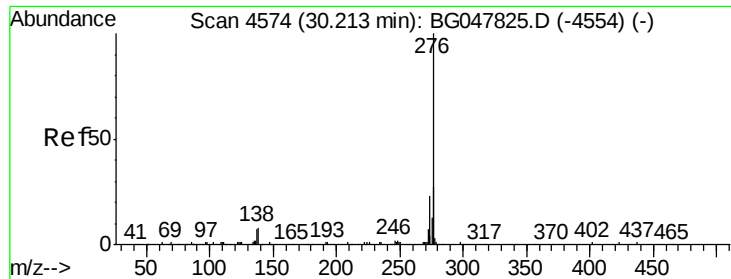
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#93
 Dibenzo(a,h)anthracene
 Concen: 2.746 ng/ul m
 RT: 29.07 min Scan# 4380
 Delta R.T. -0.01 min
 Lab File: BG047828.D
 Acq: 24 Dec 2020 13:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	4.1	5.1	7.7#
279	29.6	18.2	27.2#





#94
 Benzo(a,h,i)perylene
 Concen: 7.914 ng/ul m
 RT: 30.22 min Scan# 4576
 Delta R.T. 0.02 min
 Lab File: BG047828.D
 Acq: 24 Dec 2020 13:18

Instrument :
 BNA_G
 ClientSampleId :
 CB897

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.6	5.4	8.0
277	20.9	17.8	26.8

Manual Integrations
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