

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
 Data File : BG047392.D
 Acq On : 21 Nov 2020 11:11
 Operator : CG/JU
 Sample : L4854-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

mohammad
 11/24/2020 9:00:12 AM

Quant Time: Nov 21 11:57:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 11:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	42294	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	147912	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	96063	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	203985	20.00	ng/ul	0.00
78) Chrysene-d12	21.92	240	215844	20.00	ng/ul	0.02
86) Perylene-d12	25.36	264	230175	20.00	ng/ul	0.07

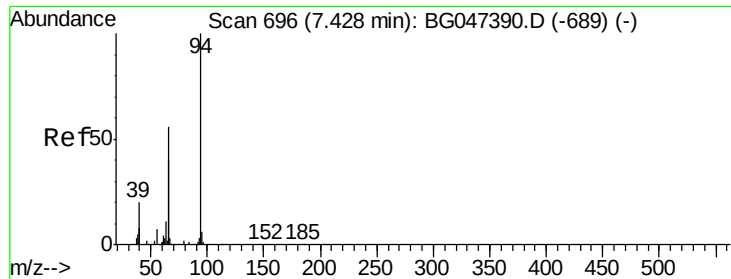
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.62	96	1301	1.12	ng/uL	0.00
5) Phenol-d5	7.40	99	37825	8.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	22541	9.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.79	132	27372	9.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	27094	8.31	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	12802	10.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	14815	11.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	32492	10.65	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	42070	13.63	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	86223	10.46	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	107132	11.24	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	14815	11.77	ng/ul	0.00
58) Fluorene-d10	15.87	176	82406	10.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.98	200	15483	13.33	ng/ul	0.01
71) Anthracene-d10	17.72	188	129328m	12.78	ng/ul	0.00
79) Pyrene-d10	19.99	212	137069	10.91	ng/ul	0.01
90) Benzo(a)pyrene-d12	25.12	264	146048	11.02	ng/ul	0.06

Target Compounds

				Ovalue	
6) Phenol	7.42	94	9090m	2.237	ng/ul
28) Naphthalene	11.15	128	57216	6.830	ng/ul# 90
34) 2-Methylnaphthalene	12.74	142	158625	25.551	ng/ul 97
41) 1,1'-Biphenyl	13.73	154	42328	5.681	ng/ul 92
45) Dimethylphthalate	14.33	163	32922	3.914	ng/ul# 77
50) Acenaphthene	14.96	153	41879	6.740	ng/ul# 67
54) Dibenzofuran	15.28	168	43594	4.777	ng/ul# 37
59) Fluorene	15.93	166	49061	6.381	ng/ul# 96
70) Phenanthrene	17.67	178	557151	50.578	ng/ul# 95
72) Anthracene	17.76	178	52768	4.757	ng/ul# 77
77) Fluoranthene	19.66	202	103732	7.456	ng/ul# 93
80) Pyrene	20.02	202	629523	41.174	ng/ul# 96
83) Benzo(a)anthracene	21.90	228	81428	5.302	ng/ul# 32
85) Chrysene	21.97	228	100631	6.886	ng/ul# 59
94) Benzo(g,h,i)perylene	30.51	276	38328m	2.636	ng/ul

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



#6

Phenol

Concen: 2.237 ng/ul m

RT: 7.42 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Instrument :

BNA_G

ClientSampled :

C0AD0

Tot Ion: 94 Resp: 9090

Ion Ratio Lower Upper

94 100

65 62.9 31.2 46.8#

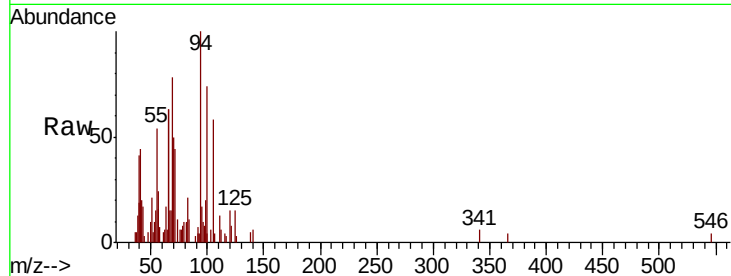
66 62.7 52.2 78.2

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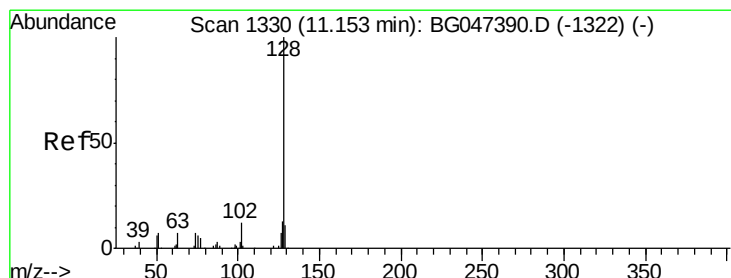
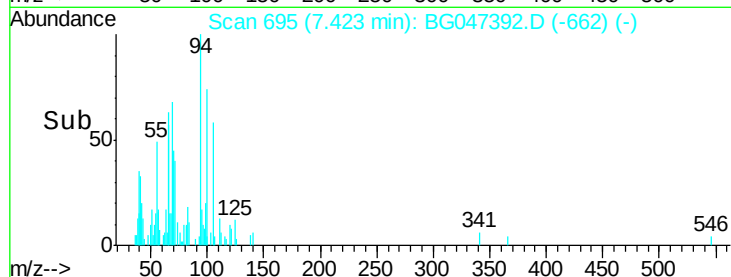
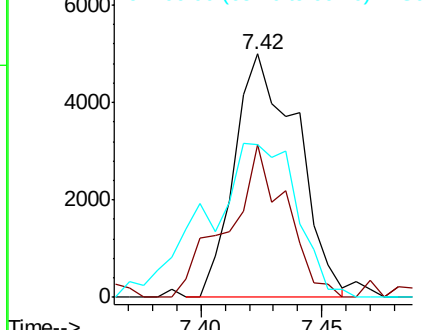
11/24/2020 9:00:12 AM



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 6.830 ng/ul

RT: 11.15 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

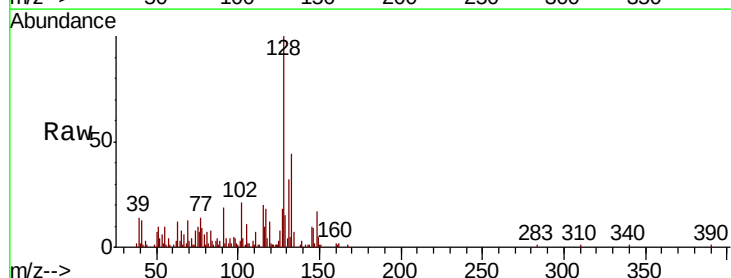
Tgt Ion: 128 Resp: 57216

Ion Ratio Lower Upper

128 100

129 15.1 8.6 13.0#

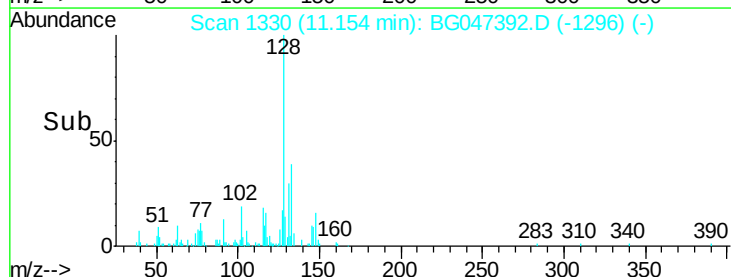
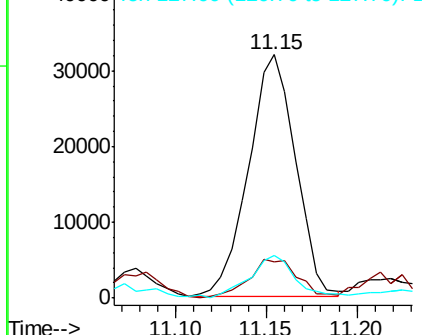
127 17.7 11.5 17.3#

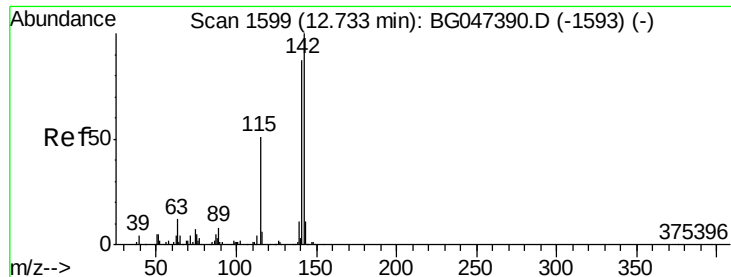


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





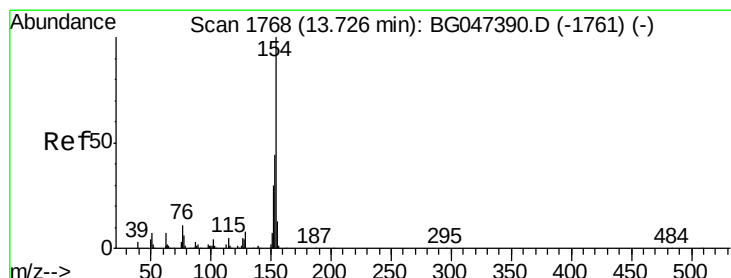
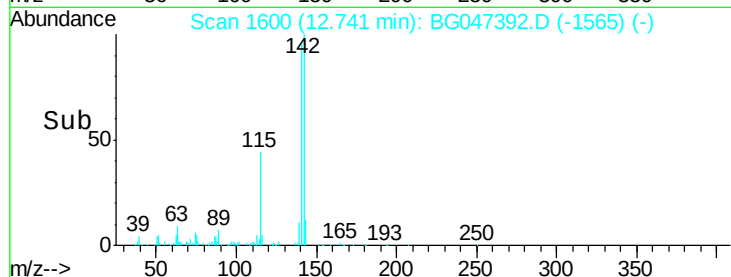
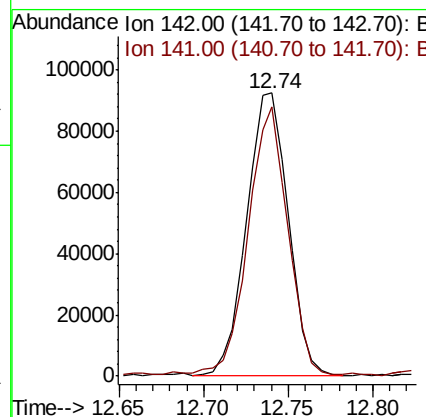
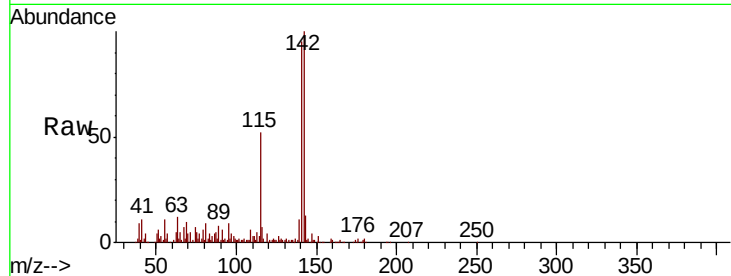
#34
 2-Methylnaphthalene
 Concen: 25.551 ng/ul
 RT: 12.74 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BG047392.D
 Acq: 21 Nov 2020 11:11

Instrument :
 BNA_G
 ClientSampled :
 C0AD0

Tot Ion	Ratio	Resp	Lower	Upper
142	100	158625		
141	95.2	74.1	111.1	

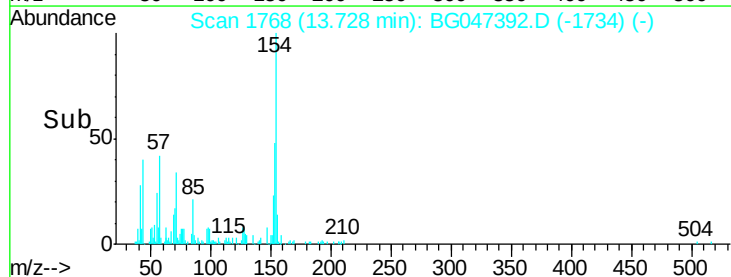
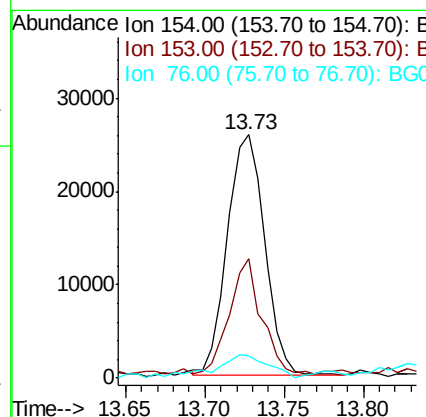
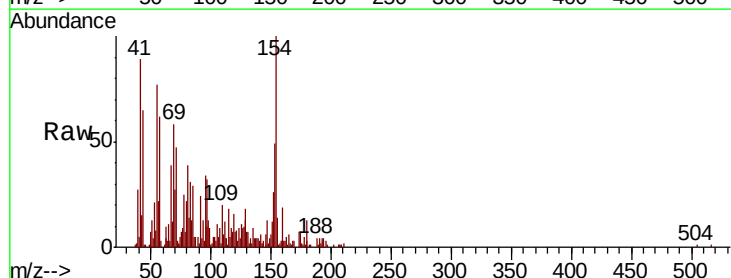
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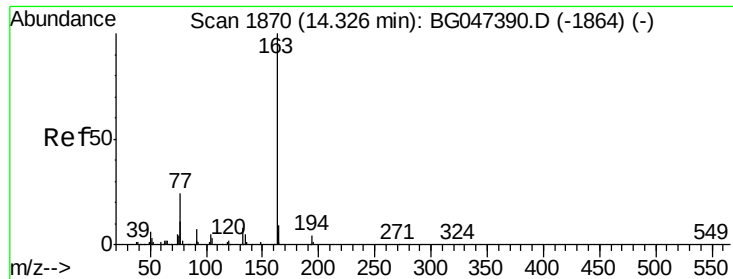
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#41
 1,1'-Biphenyl
 Concen: 5.681 ng/ul
 RT: 13.73 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: BG047392.D
 Acq: 21 Nov 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42328		
153	49.0	34.9	52.3	
76	9.0	8.8	13.2	





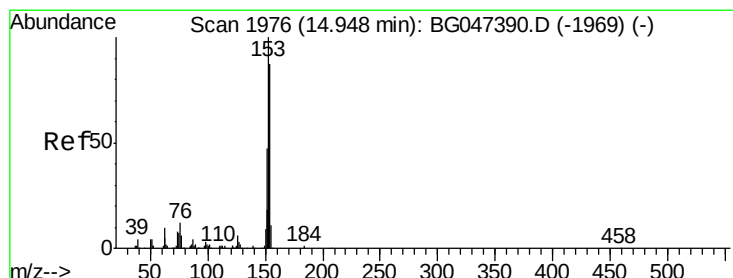
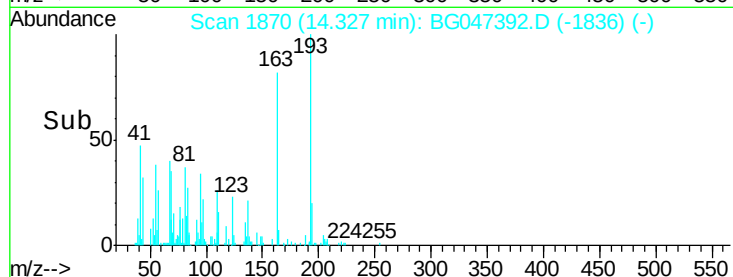
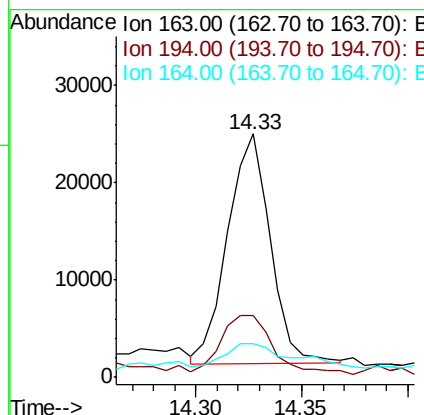
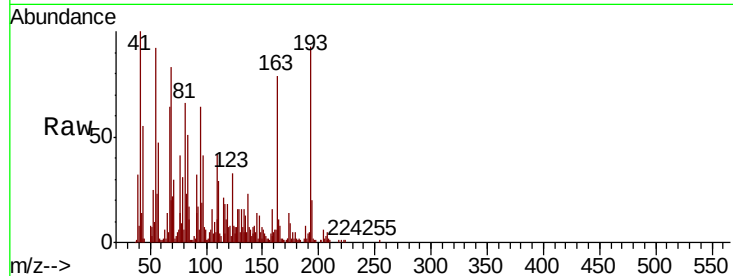
#45
Dimethylphthalate
Concen: 3.914 ng/ul
RT: 14.33 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BG047392.D
Acq: 21 Nov 2020 11:11

Instrument :
BNA_G
ClientSampleId :
C0AD0

Tot Ion	Ratio	Lower	Upper
163	100		
194	25.4	3.4	5.2#
164	13.9	8.8	13.2#

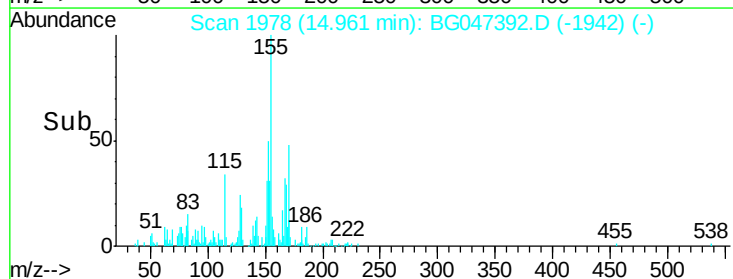
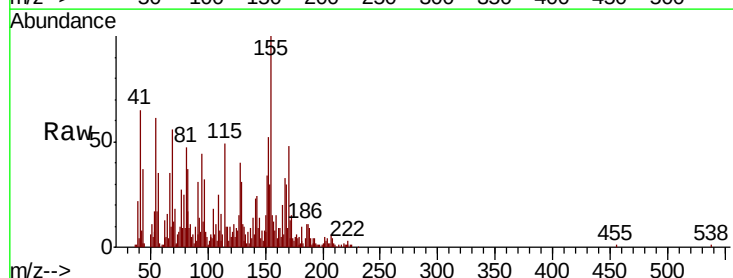
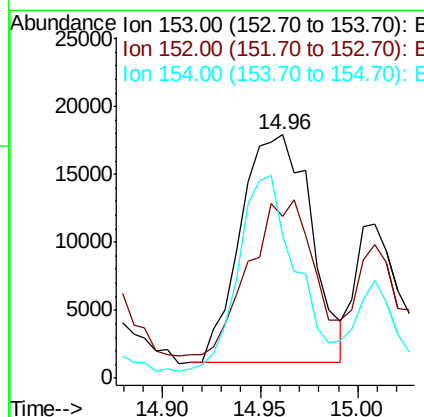
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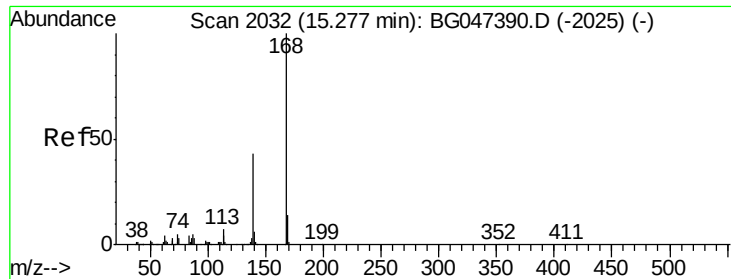
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#50
Acenaphthene
Concen: 6.740 ng/ul
RT: 14.96 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BG047392.D
Acq: 21 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	66.4	39.8	59.8#
154	58.6	76.0	114.0#





#54

Dibenzenofuran

Concen: 4.777 ng/ul

RT: 15.28 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Instrument :

BNA_G

ClientSampleId :

C0AD0

Tot Ion:168 Resp: 43594

Ion Ratio Lower Upper

168 100

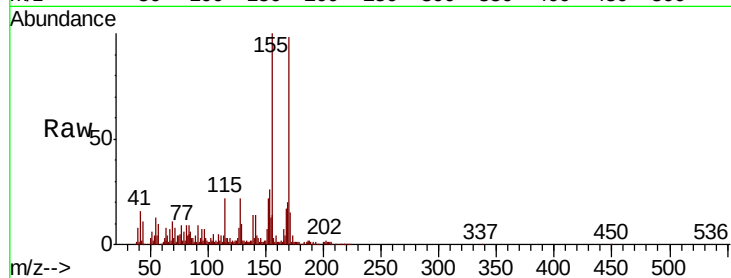
139 82.9 34.3 51.5#

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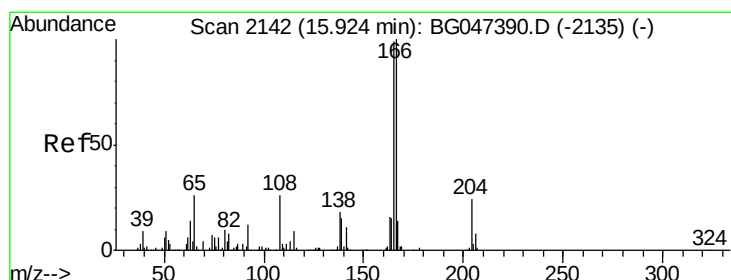
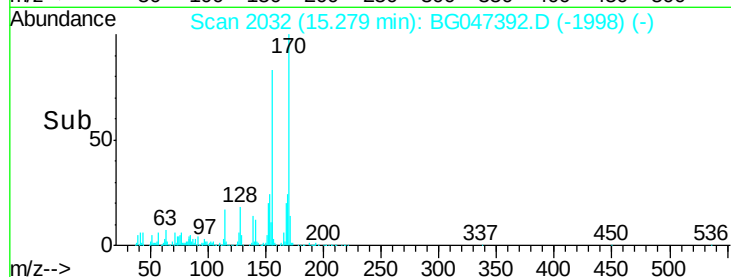
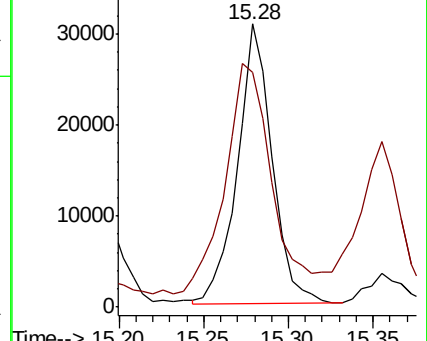
mohammad

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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: 6.381 ng/ul

RT: 15.93 min Scan# 2143

Delta R.T. 0.01 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

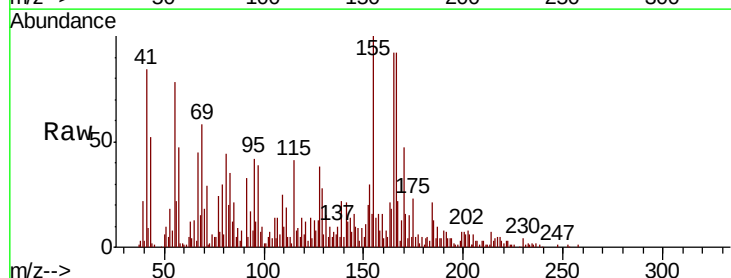
Tgt Ion:166 Resp: 49061

Ion Ratio Lower Upper

166 100

165 99.9 79.0 118.4

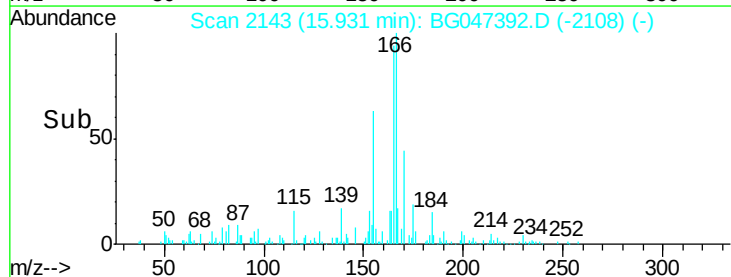
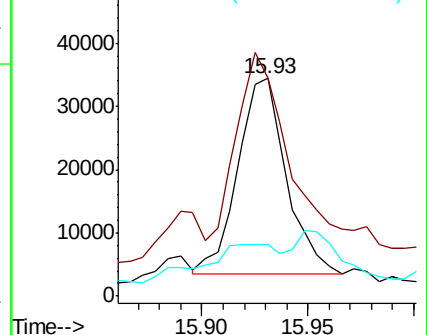
167 23.5 10.4 15.6#

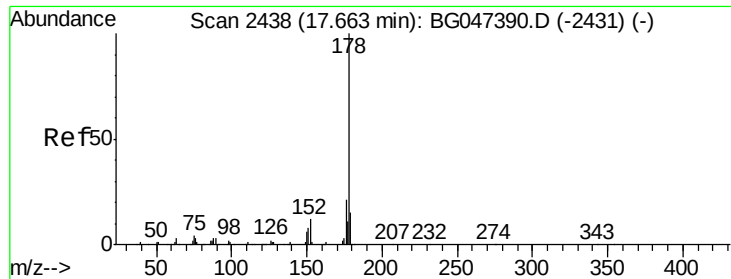


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 50.578 ng/ul

RT: 17.67 min Scan# 2439

Delta R.T. 0.01 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Instrument :

BNA_G

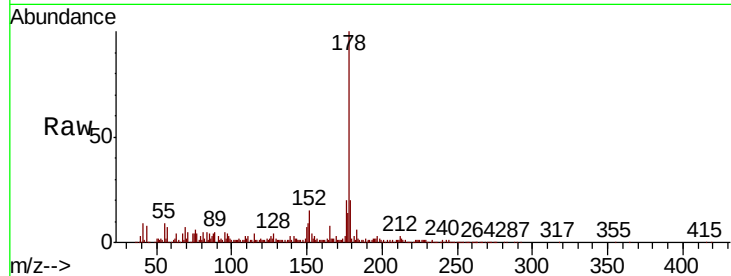
ClientSampled :

C0AD0

Tot Ion	Ratio	Lower	Upper
178	100		
179	19.9	12.8	19.2#
176	20.2	15.7	23.5

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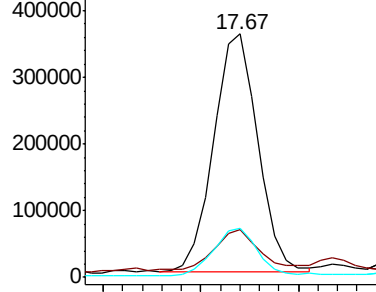


Abundance

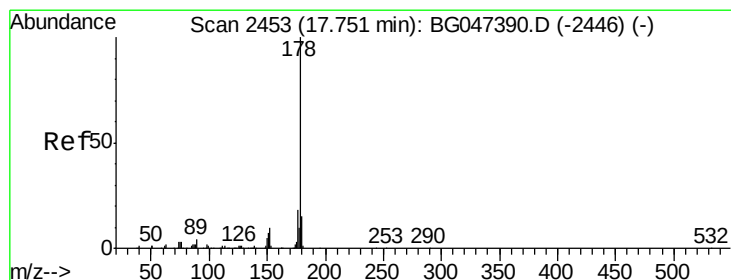
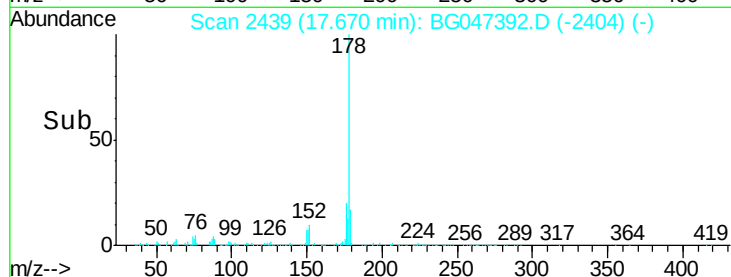
Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 4.757 ng/ul

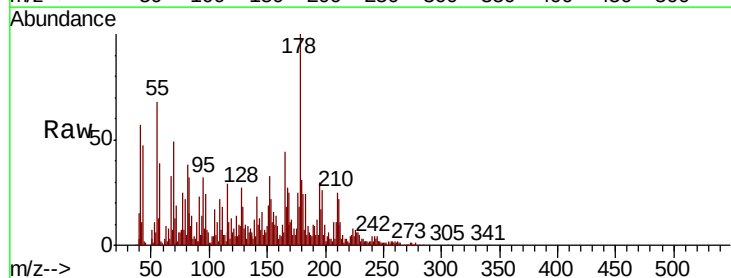
RT: 17.76 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	31.3	12.2	18.2#
176	25.3	16.2	24.4#

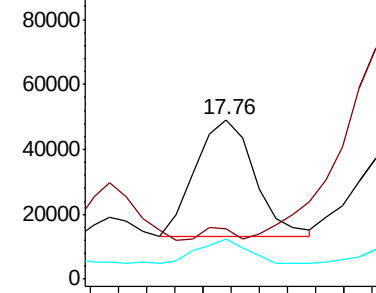


Abundance

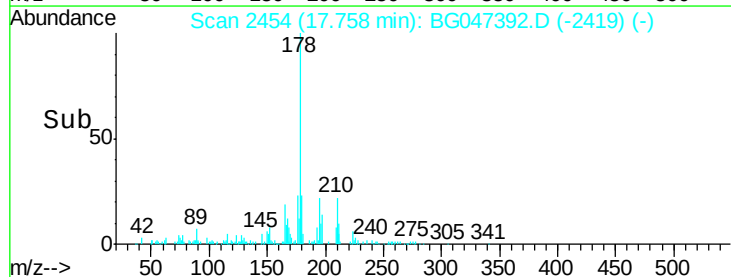
Ion 178.00 (177.70 to 178.70): E

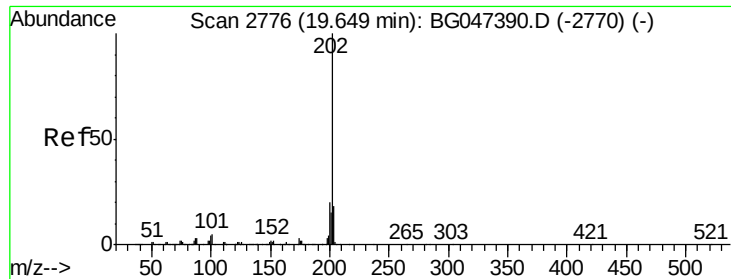
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#77

Fluoranthene

Concen: 7.456 ng/ul

RT: 19.66 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Instrument :

BNA_G

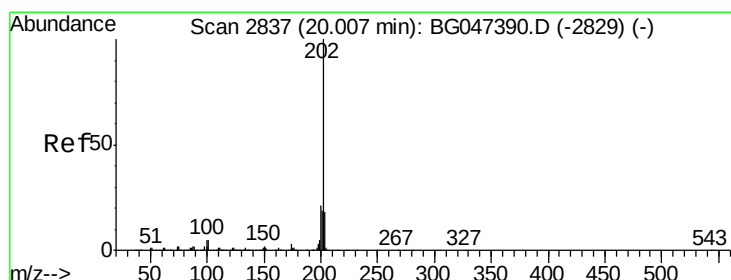
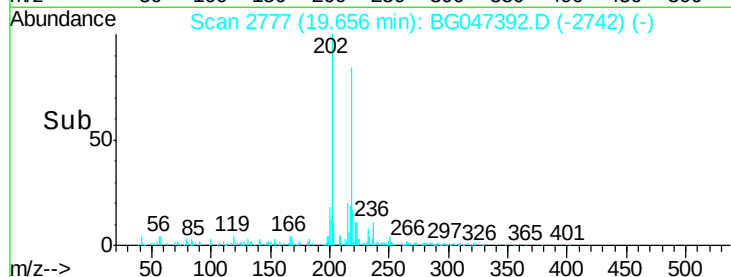
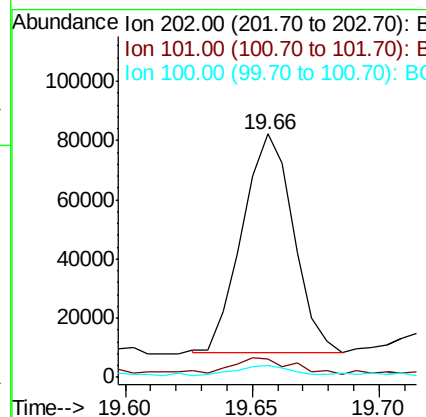
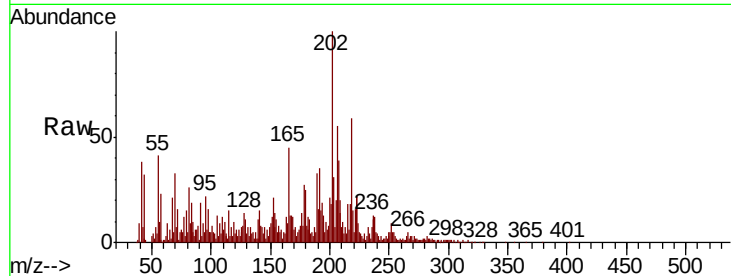
ClientSampled :

C0AD0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	7.8	3.3	4.9#		
100	5.1	3.4	5.0#		

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#80

Pyrene

Concen: 41.174 ng/ul

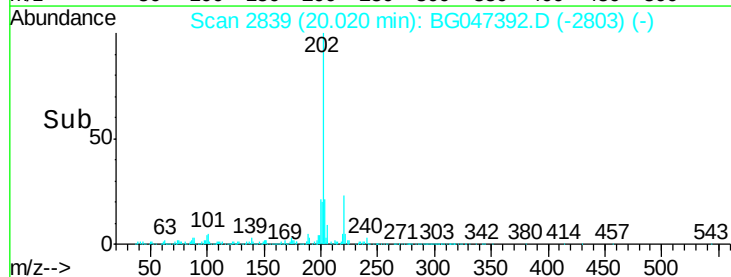
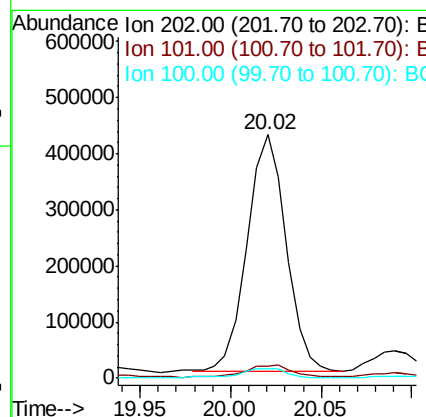
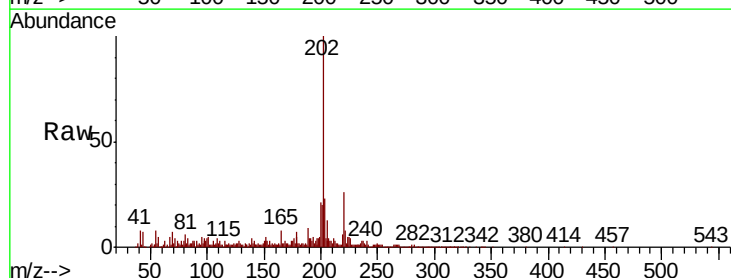
RT: 20.02 min Scan# 2839

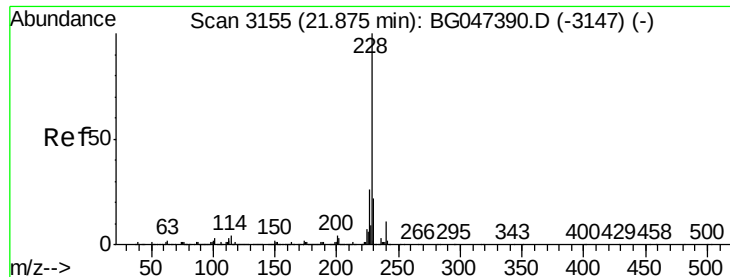
Delta R.T. 0.01 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	5.1	5.0	7.4		
100	3.9	4.6	7.0#		





#83

Benzo(a)anthracene

Concen: 5.302 ng/ul

RT: 21.90 min Scan# 3159

Delta R.T. 0.02 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Instrument :

BNA_G

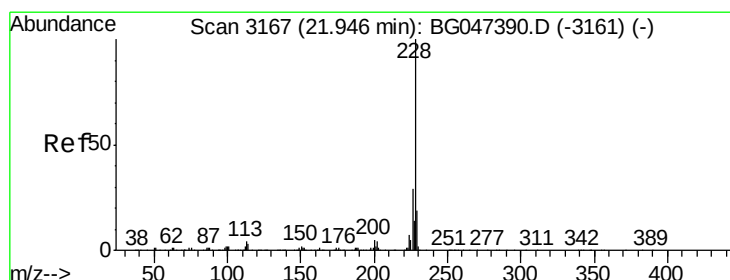
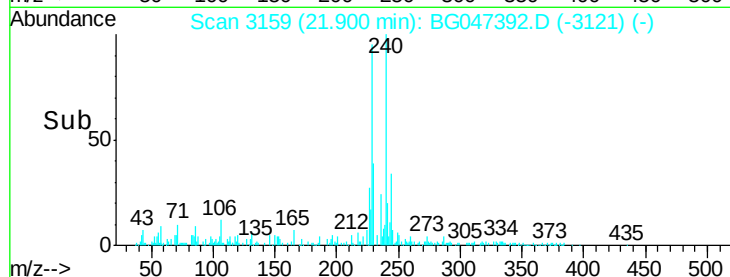
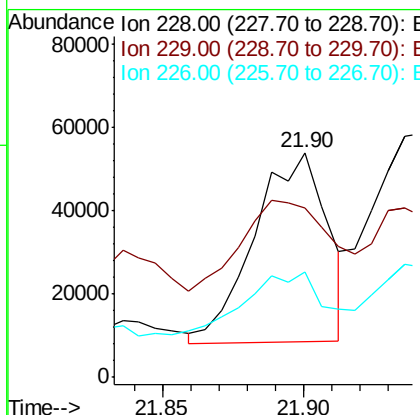
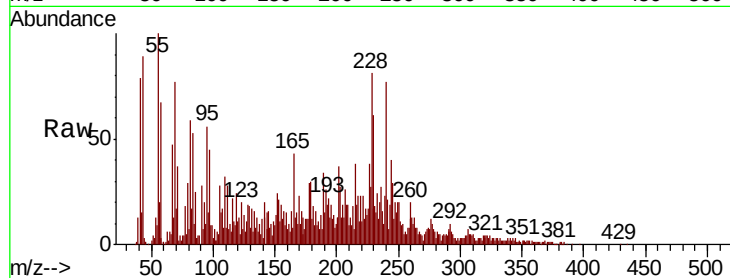
ClientSampleId :

C0AD0

Tot Ion:	228	Resp:	81428
Ion Ratio	Lower	Upper	
228	100		
229	75.3	16.2	24.2#
226	46.7	23.3	34.9#

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#85

Chrysene

Concen: 6.886 ng/ul

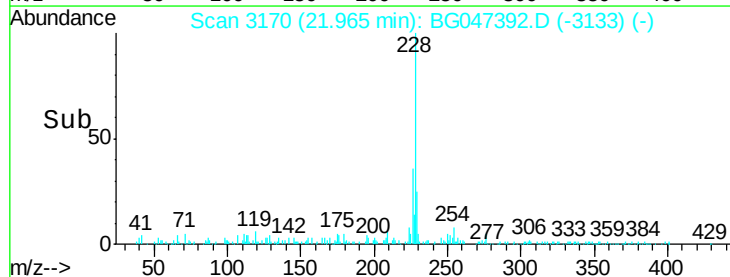
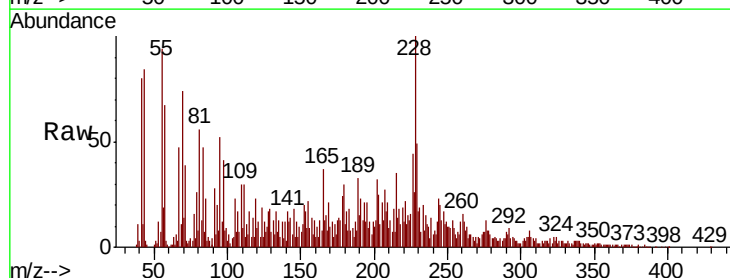
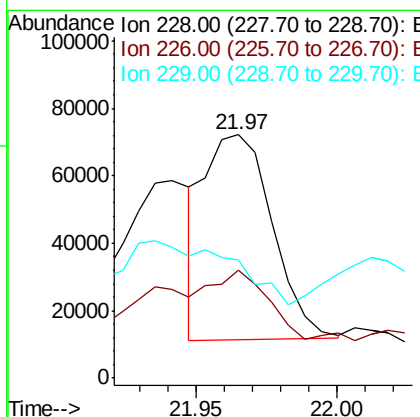
RT: 21.97 min Scan# 3170

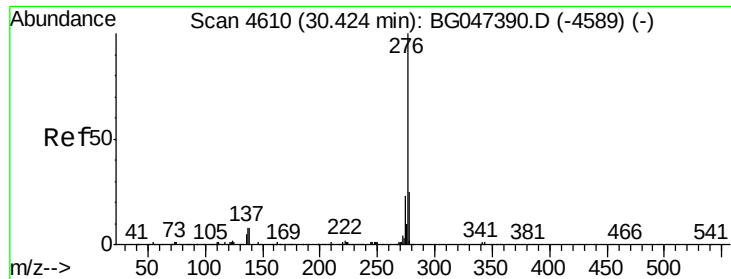
Delta R.T. 0.02 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Tgt Ion:	228	Resp:	100631
Ion Ratio	Lower	Upper	
228	100		
226	44.1	23.8	35.6#
229	48.7	16.3	24.5#





#94

Benzo(a,h,i)perylene

Concen: 2.636 ng/ul m

RT: 30.51 min Scan# 4625

Delta R.T. 0.09 min

Lab File: BG047392.D

Acq: 21 Nov 2020 11:11

Instrument :

BNA_G

ClientSampleId :

C0AD0

Tot Ion:	276	Resp:	38328
Ion Ratio	Lower	Upper	
276	100		
138	12.9	8.2	12.2#
277	36.0	17.5	26.3#

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:12 AM

