

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
 Data File : BG047394.D
 Acq On : 21 Nov 2020 12:32
 Operator : CG/JU
 Sample : L4854-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD2

Manual Integrations
 APPROVED

mohammad
 11/24/2020 9:00:23 AM

Quant Time: Nov 21 13:16:44 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	38581	20.00	ng/ul	0.00
18) Naphthalene-d8	11.11	136	143136	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.90	164	91167	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.64	188	190161	20.00	ng/ul	0.02
78) Chrysene-d12	21.95	240	213152	20.00	ng/ul	0.05
86) Perylene-d12	25.43	264	229355m	20.00	ng/ul	0.13

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.62	96	2289	2.16	ng/uL	0.00
5) Phenol-d5	7.41	99	77760	20.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	42886	19.43	ng/ul	0.01
9) 2-Chlorophenol-d4	7.80	132	56731	21.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	61615	20.72	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	27874m	23.58	ng/ul	0.01
22) 2-Nitrophenol-d4	10.17	143	31817	24.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.72	165	64393	21.80	ng/ul	0.01
29) 4-Chloroaniline-d4	11.22	131	100810	33.75	ng/ul	0.00
44) Dimethylphthalate-d6	14.29	166	172919	22.09	ng/ul	0.01
47) Acenaphthylene-d8	14.60	160	212052	23.44	ng/ul	0.02
52) 4-Nitrophenol-d4	15.05	143	26505	22.20	ng/ul	0.02
58) Fluorene-d10	15.89	176	154299	21.52	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	16.01	200	24871m	22.98	ng/ul	0.05
71) Anthracene-d10	17.74	188	231073	24.49	ng/ul	0.02
79) Pyrene-d10	20.01	212	259249	20.90	ng/ul	0.03
90) Benzo(a)pyrene-d12	25.19	264	302448m	22.91	ng/ul	0.13

Target Compounds

					Ovalue	
6) Phenol	7.43	94	16005	4.318	ng/ul	98
28) Naphthalene	11.16	128	98786	12.185	ng/ul#	93
34) 2-Methylnaphthalene	12.75	142	291474	48.517	ng/ul	94
41) 1,1'-Biphenyl	13.73	154	66467	9.399	ng/ul#	94
45) Dimethylphthalate	14.33	163	51173	6.410	ng/ul#	69
50) Acenaphthene	14.96	153	77131	13.080	ng/ul#	81
54) Dibenzofuran	15.29	168	79832m	9.217	ng/ul	
59) Fluorene	15.94	166	99509	13.638	ng/ul#	90
70) Phenanthrene	17.69	178	1003702	97.740	ng/ul	96
72) Anthracene	17.77	178	95640	9.248	ng/ul#	83
73) 1,2,3,4-Tetrachlorobenzene	13.71	216	3859	1.291	ng/uL#	76
77) Fluoranthene	19.67	202	202000	15.576	ng/ul#	95
80) Pyrene	20.04	202	1179580	78.125	ng/ul	98
83) Benzo(a)anthracene	21.92	228	156643	10.328	ng/ul#	24
85) Chrysene	21.99	228	235563m	16.322	ng/ul	
88) Benzo(b)fluoranthene	24.32	252	96842m	5.980	ng/ul	
91) Benzo(a)pyrene	25.27	252	95736m	6.632	ng/ul	
92) Indeno(1,2,3-cd)pyrene	29.41	276	37990m	2.163	ng/ul	
93) Dibenzo(a,h)anthracene	29.46	278	29568m	2.054	ng/ul	
94) Benzo(g,h,i)perylene	30.65	276	70432m	4.861	ng/ul	

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

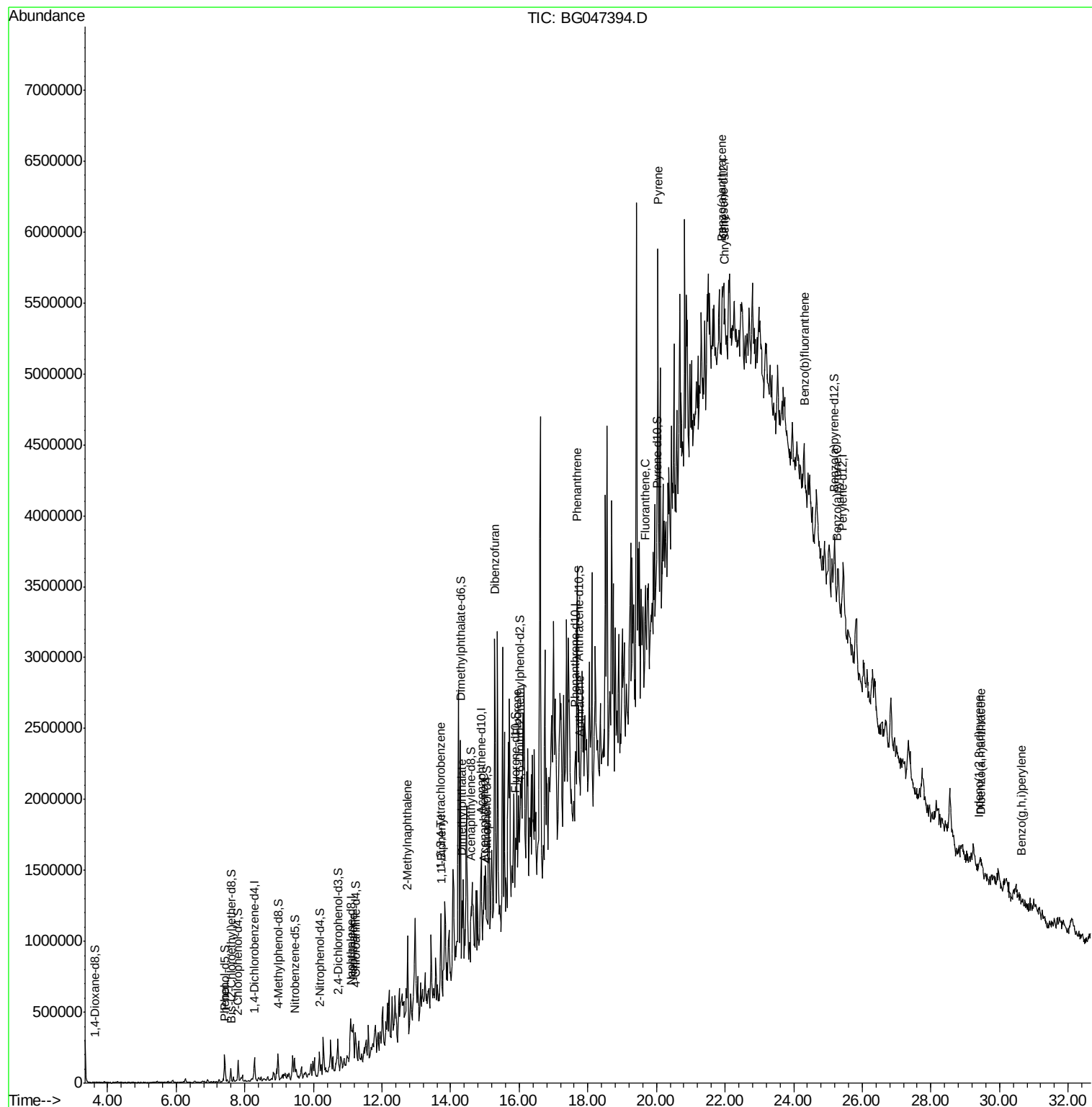
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
Data File : BG047394.D
Acq On : 21 Nov 2020 12:32
Operator : CG/JU
Sample : L4854-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

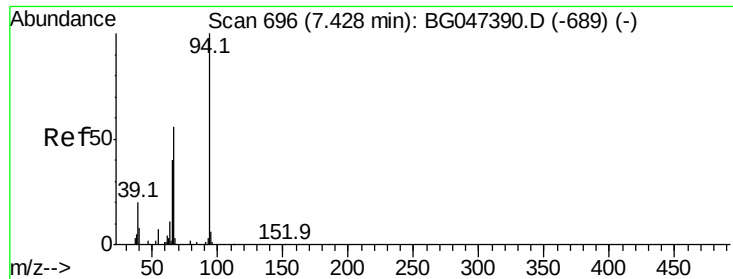
Instrument :
BNA_G
ClientSampled :
C0AD2

Quant Time: Nov 21 13:16:44 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

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#6

Phenol

Concen: 4.318 ng/ul

RT: 7.43 min Scan# 697

Delta R.T. 0.01 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

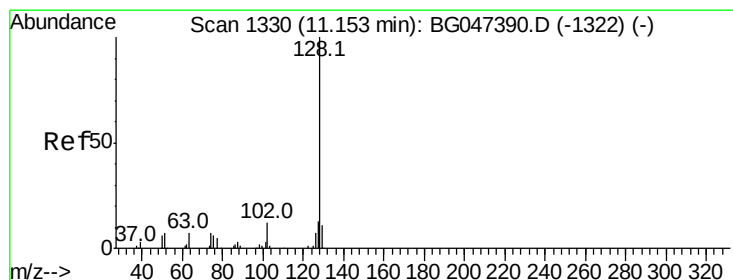
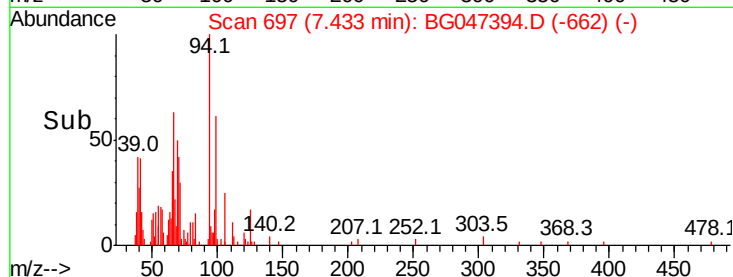
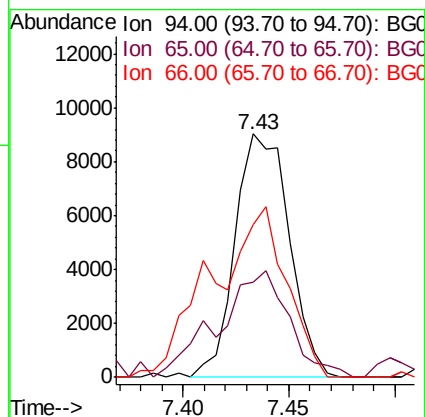
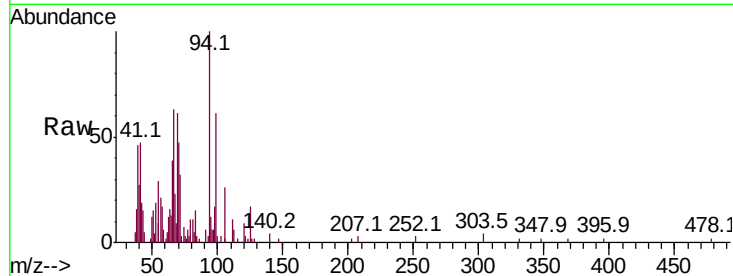
ClientSampleId :

C0AD2

Tot Ion:	94	Resp:	16005
Ion Ratio	Lower	Upper	
94	100		
65	39.1	31.2	46.8
66	62.7	52.2	78.2

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#28

Naphthalene

Concen: 12.185 ng/ul

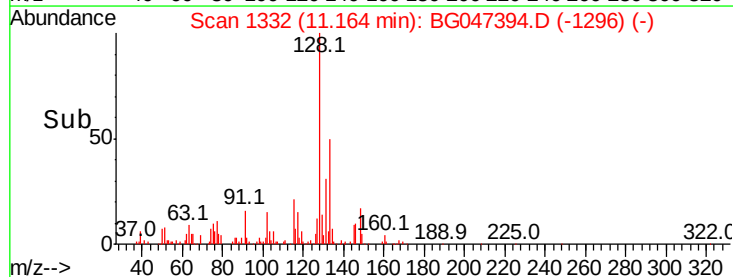
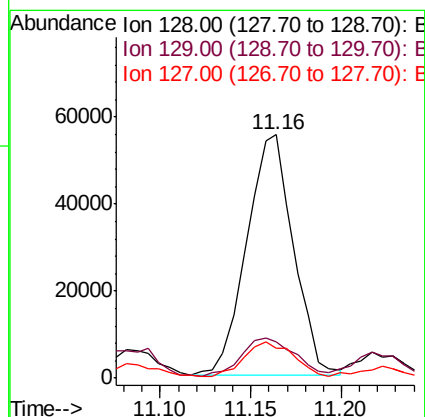
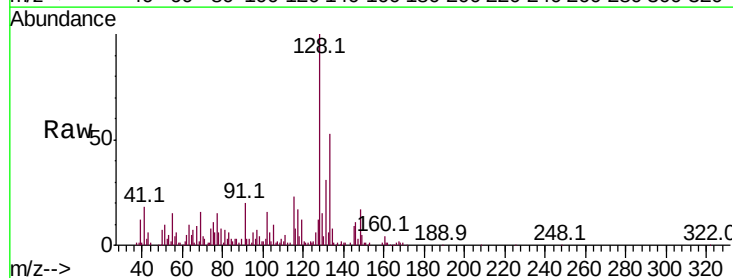
RT: 11.16 min Scan# 1332

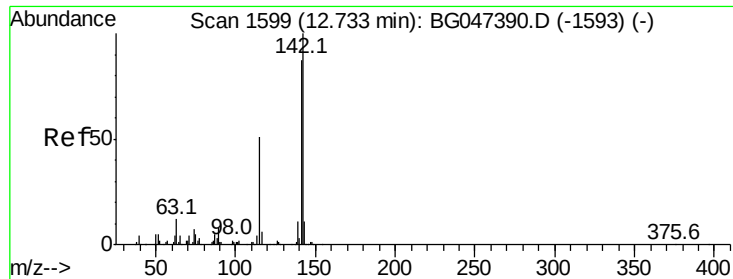
Delta R.T. 0.01 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Tgt Ion:	128	Resp:	98786
Ion Ratio	Lower	Upper	
128	100		
129	14.9	8.6	13.0#
127	12.4	11.5	17.3





#34

2-Methylnaphthalene

Concen: 48.517 ng/ul

RT: 12.75 min Scan# 1602

Delta R.T. 0.02 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

ClientSampleId :

C0AD2

Tot Ion:142 Resp: 291474

Ion Ratio Lower Upper

142 100

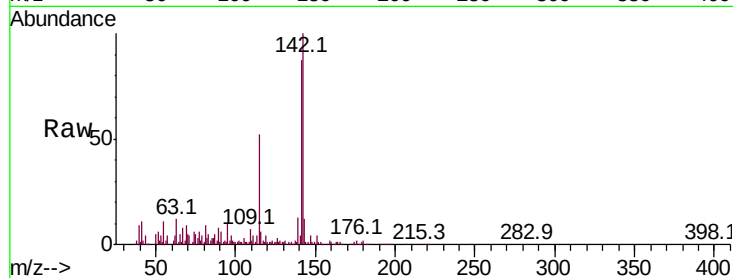
141 87.1 74.1 111.1

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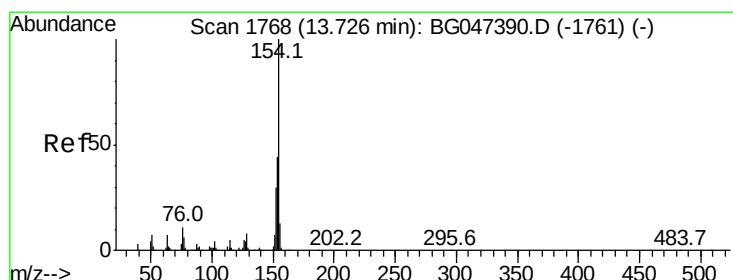
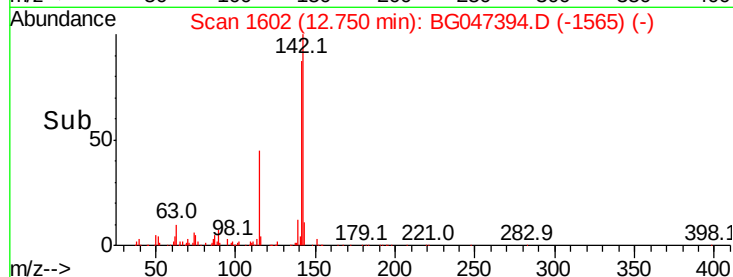
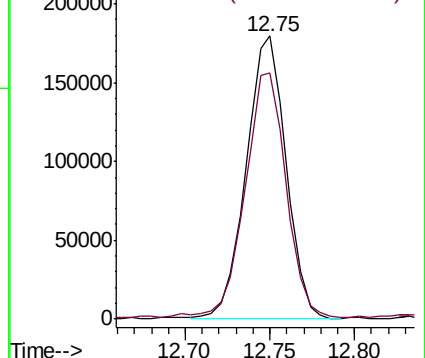
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#41

1,1'-Biphenyl

Concen: 9.399 ng/ul

RT: 13.73 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

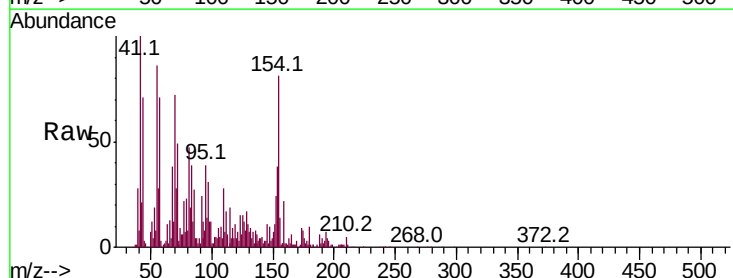
Tgt Ion:154 Resp: 66467

Ion Ratio Lower Upper

154 100

153 46.7 34.9 52.3

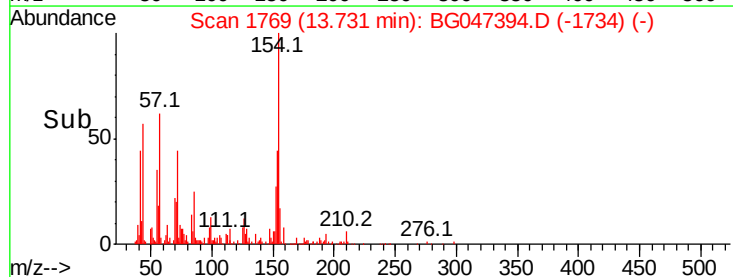
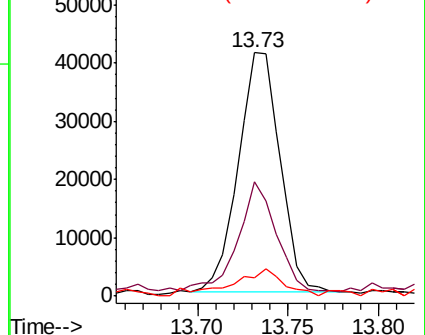
76 7.4 8.8 13.2#

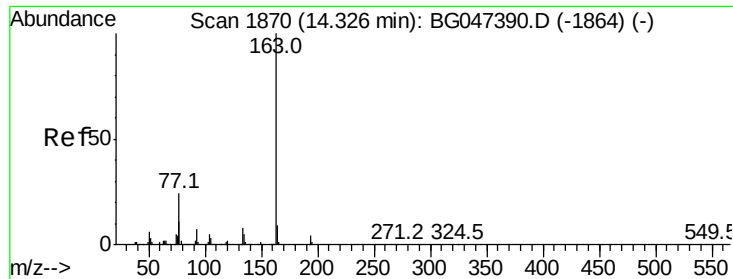


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#45

Dimethylphthalate

Concen: 6.410 ng/ul

RT: 14.33 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

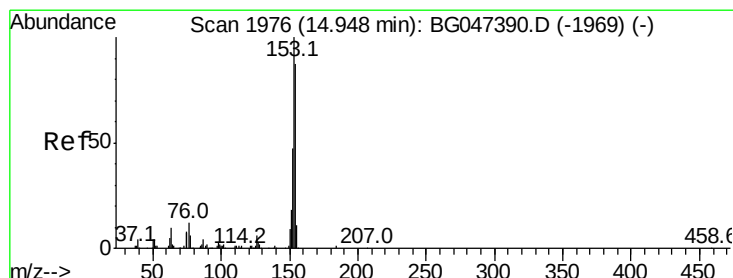
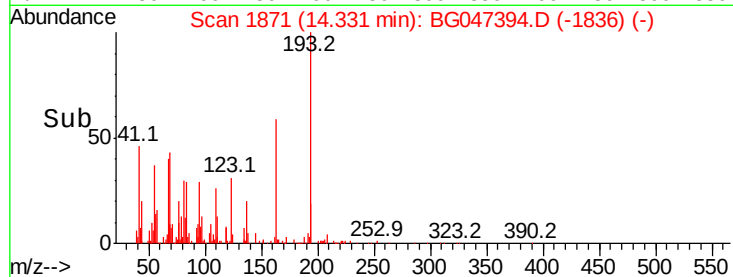
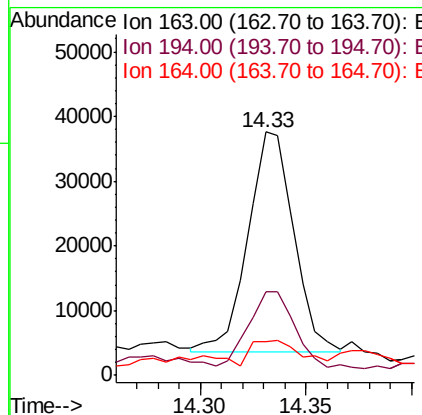
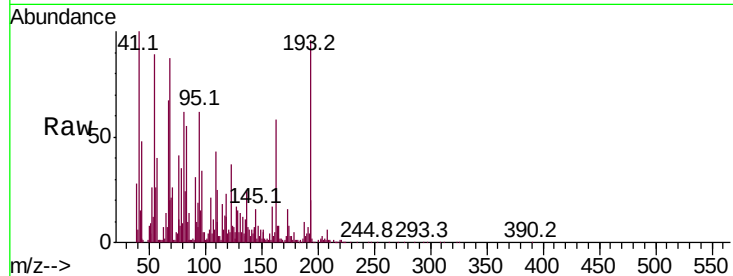
ClientSampleId :

C0AD2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	51173		
194	34.3	3.4	5.2#	
164	13.9	8.8	13.2#	

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#50

Acenaphthene

Concen: 13.080 ng/ul

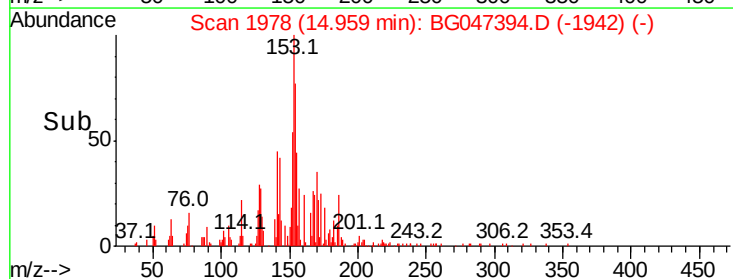
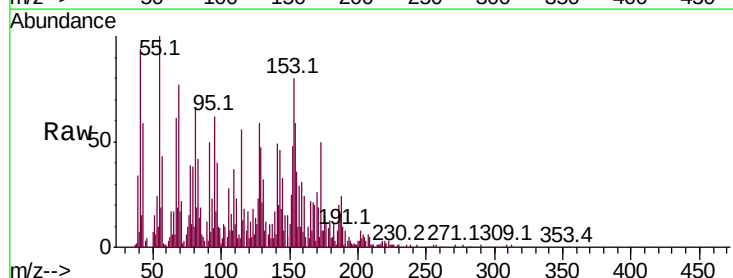
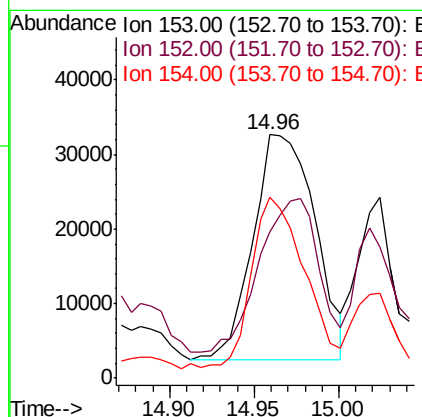
RT: 14.96 min Scan# 1978

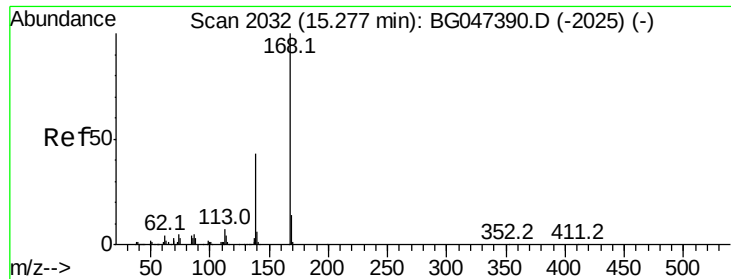
Delta R.T. 0.01 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	77131		
152	60.1	39.8	59.8#	
154	74.1	76.0	114.0#	





#54

Dibenzofuran

Concen: 9.217 ng/ul m

RT: 15.29 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

ClientSampleId :

C0AD2

Tot Ion:168 Resp: 79832

Ion Ratio Lower Upper

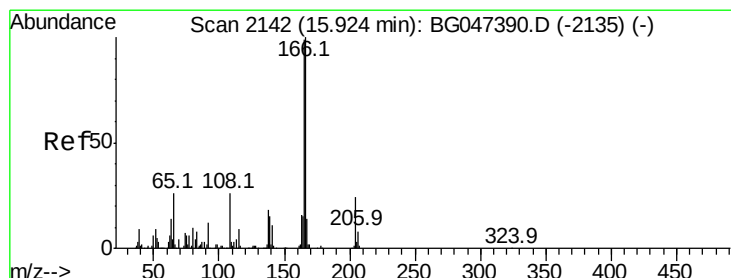
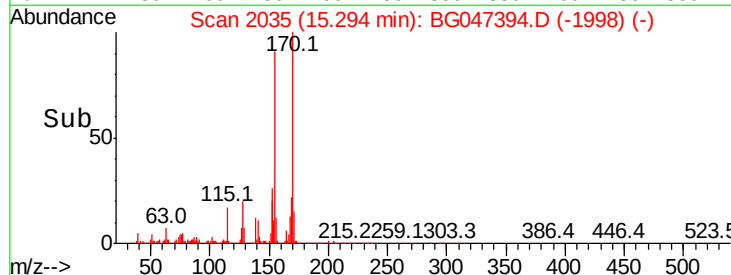
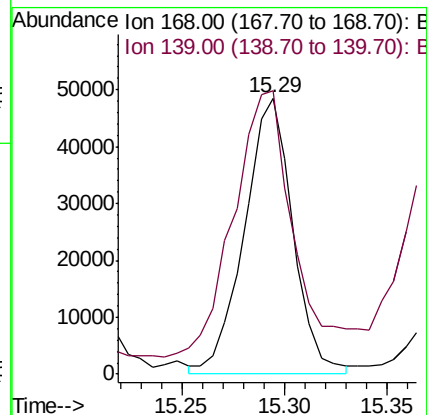
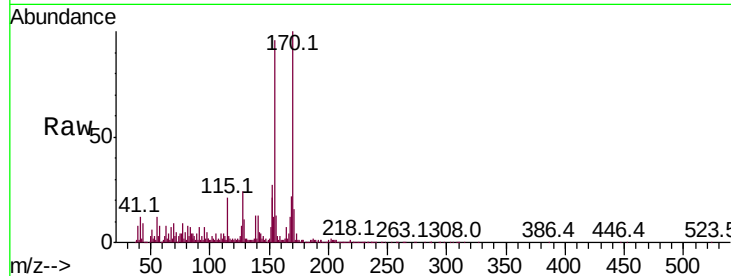
168 100

139 102.5 34.3 51.5#

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#59

Fluorene

Concen: 13.638 ng/ul

RT: 15.94 min Scan# 2145

Delta R.T. 0.02 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

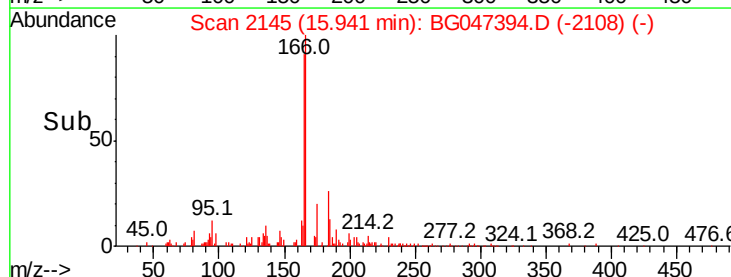
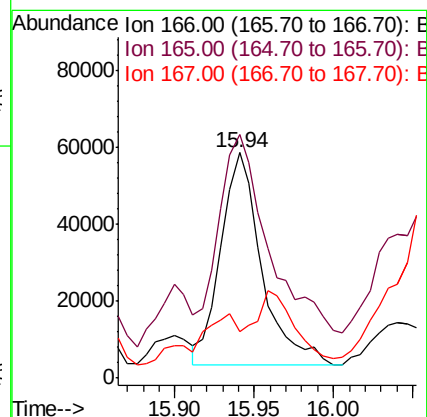
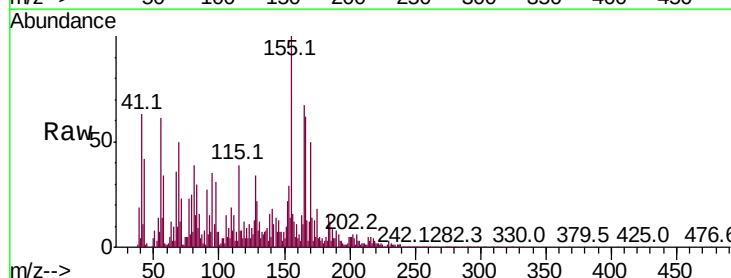
Tgt Ion:166 Resp: 99509

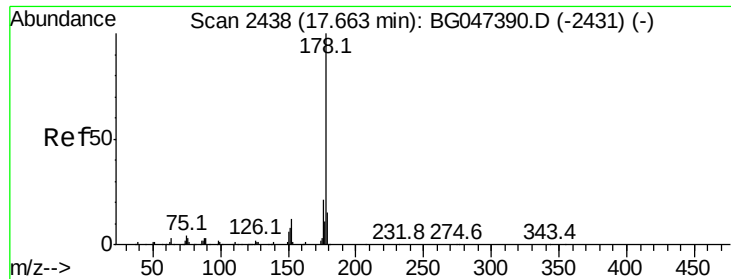
Ion Ratio Lower Upper

166 100

165 108.0 79.0 118.4

167 20.5 10.4 15.6#





#70

Phenanthrene

Concen: 97.740 ng/ul

RT: 17.69 min Scan# 2442

Delta R.T. 0.02 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

ClientSampled :

C0AD2

Tot Ion:178 Resp: 1003702

Ion Ratio Lower Upper

178 100

179 18.9 12.8 19.2

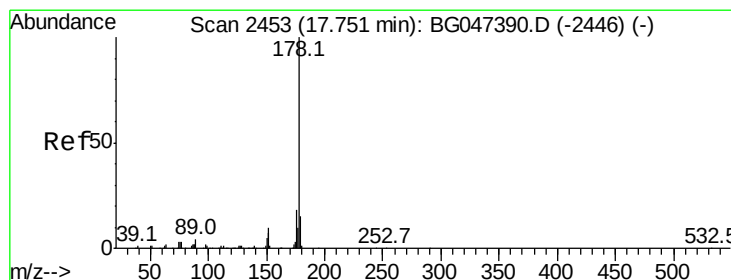
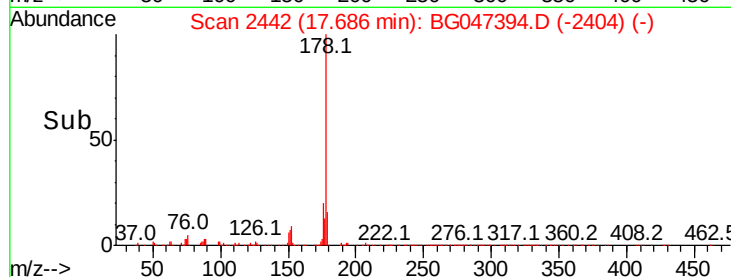
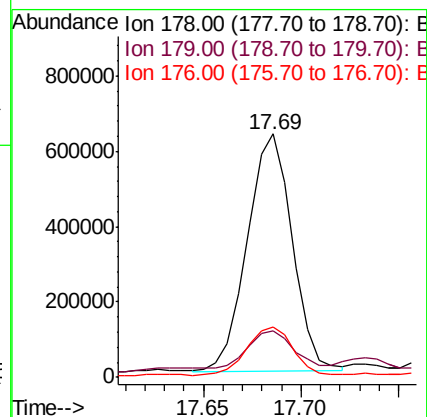
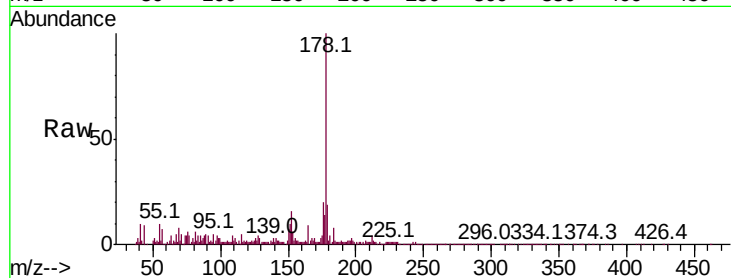
176 20.4 15.7 23.5

Manual Integrations

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#72

Anthracene

Concen: 9.248 ng/ul

RT: 17.77 min Scan# 2456

Delta R.T. 0.02 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

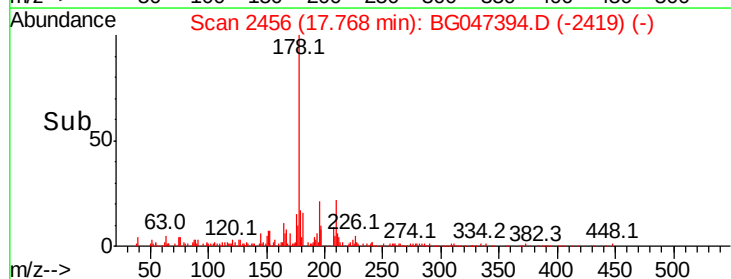
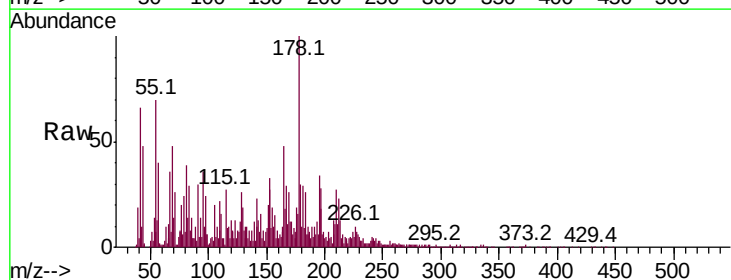
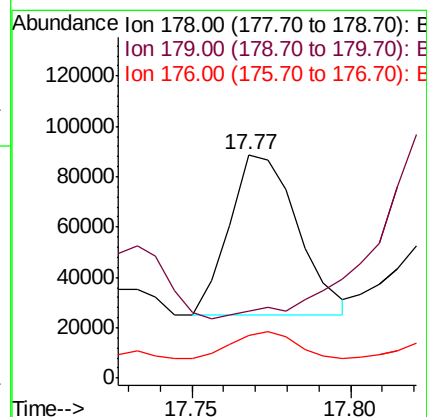
Tgt Ion:178 Resp: 95640

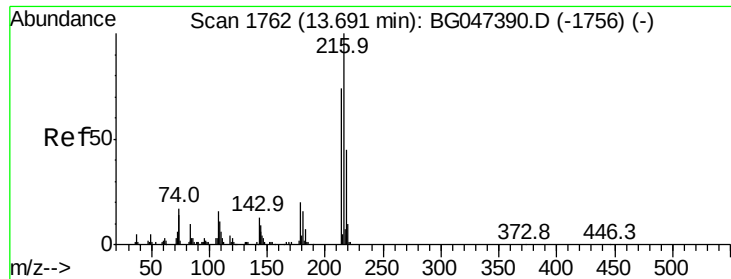
Ion Ratio Lower Upper

178 100

179 29.9 12.2 18.2#

176 19.1 16.2 24.4





#73

1,2,3,4-Tetrachlorobenzene

Concen: 1.291 ng/uL

RT: 13.71 min Scan# 1765

Delta R.T. 0.02 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

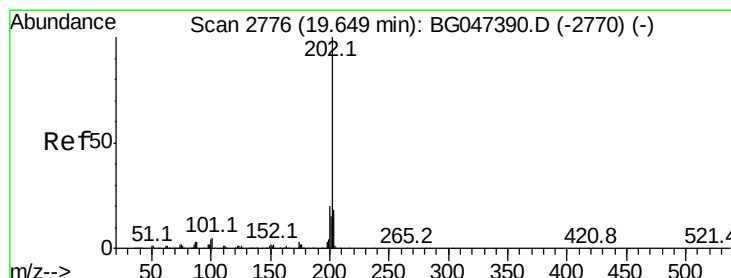
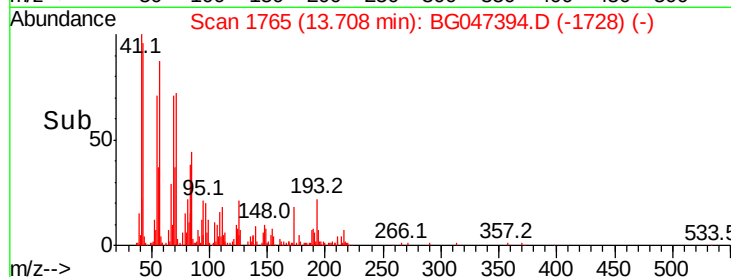
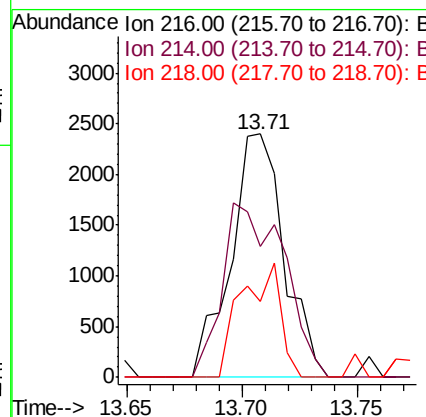
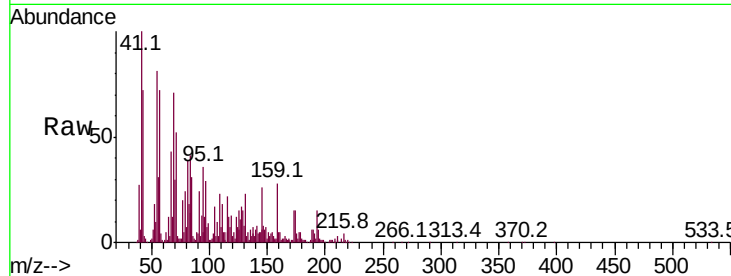
ClientSampleId :

C0AD2

Tot Ion:	216	Resp:	3859
Ion Ratio	Lower	Upper	
216	100		
214	54.0	59.0	88.4#
218	31.3	38.6	58.0#

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#77

Fluoranthene

Concen: 15.576 ng/uL

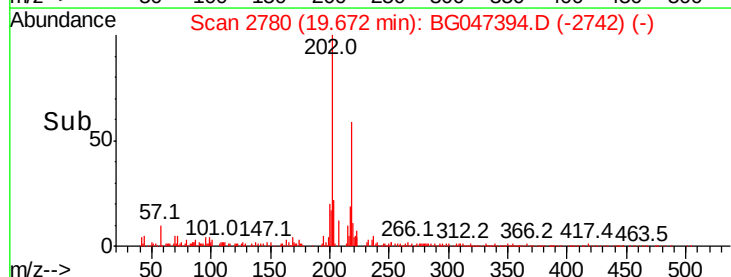
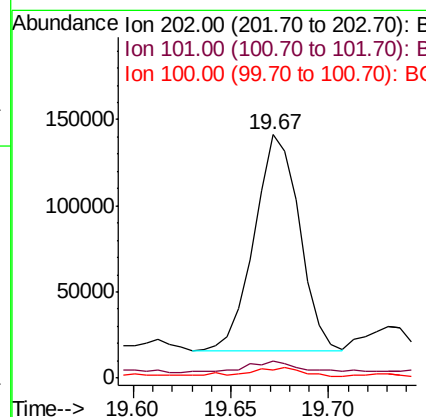
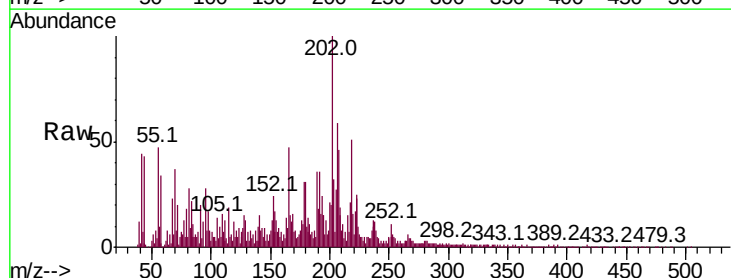
RT: 19.67 min Scan# 2780

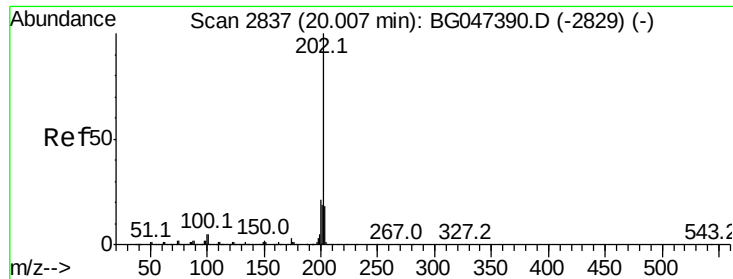
Delta R.T. 0.02 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Tgt Ion:	202	Resp:	202000
Ion Ratio	Lower	Upper	
202	100		
101	6.9	3.3	4.9#
100	3.4	3.4	5.0





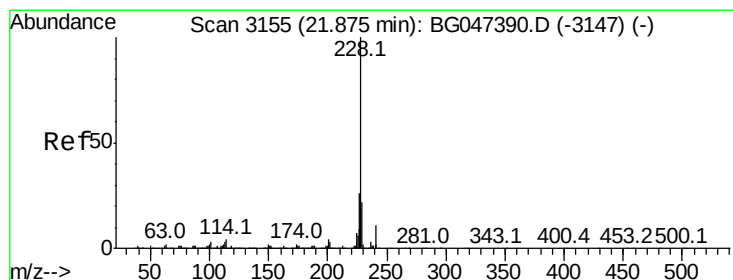
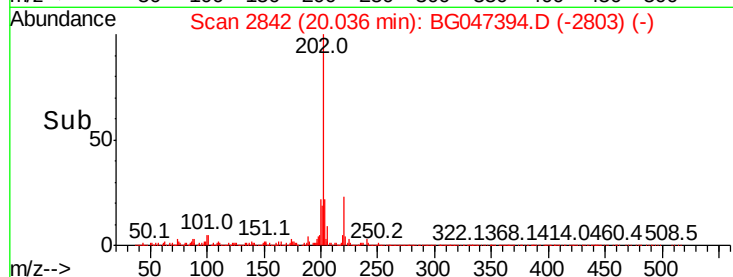
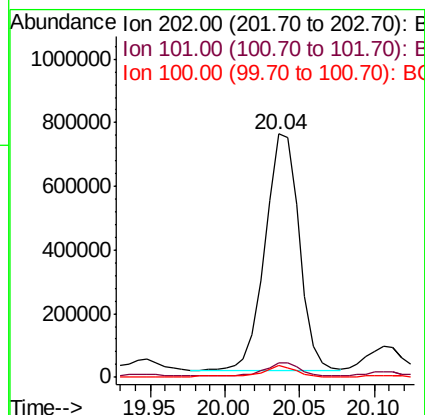
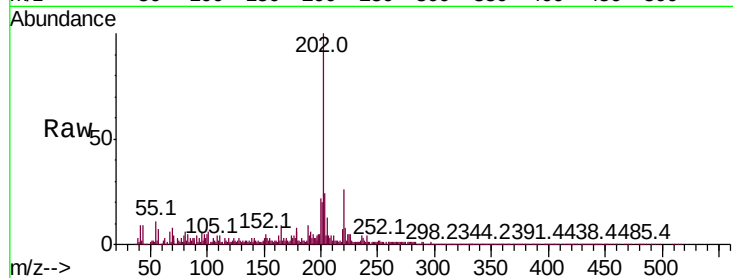
#80
Pvrene
Concen: 78.125 ng/ul
RT: 20.04 min Scan# 2842
Delta R.T. 0.03 min
Lab File: BG047394.D
Acq: 21 Nov 2020 12:32

Instrument :
BNA_G
ClientSampleId :
C0AD2

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.8	5.0	7.4
100	5.1	4.6	7.0

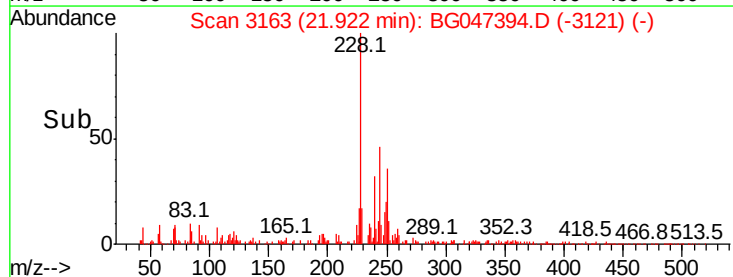
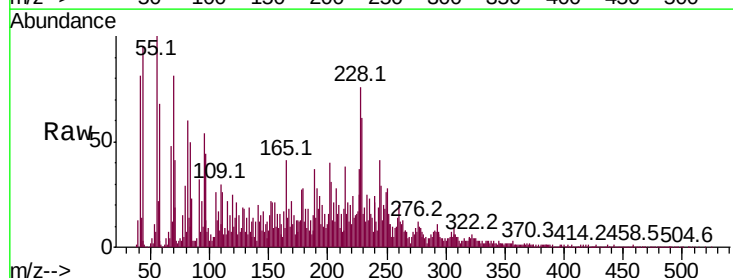
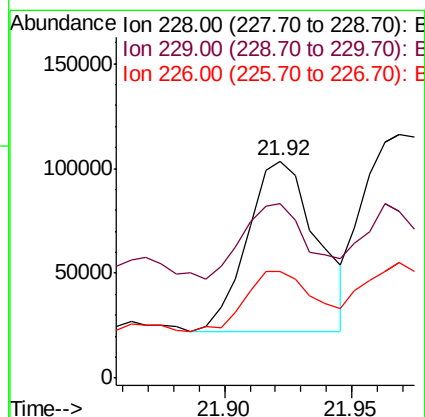
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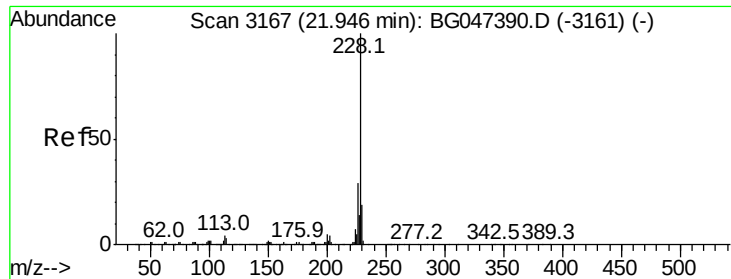
mohammad
11/24/2020 9:00:23 AM



#83
Benzo(a)anthracene
Concen: 10.328 ng/ul
RT: 21.92 min Scan# 3163
Delta R.T. 0.05 min
Lab File: BG047394.D
Acq: 21 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
228	100		
229	80.7	16.2	24.2#
226	49.2	23.3	34.9#





#85

Chrysene

Concen: 16.322 ng/ul m

RT: 21.99 min Scan# 3175

Delta R.T. 0.05 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

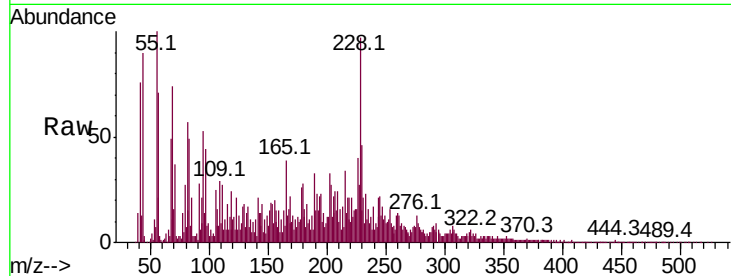
ClientSampleId :

C0AD2

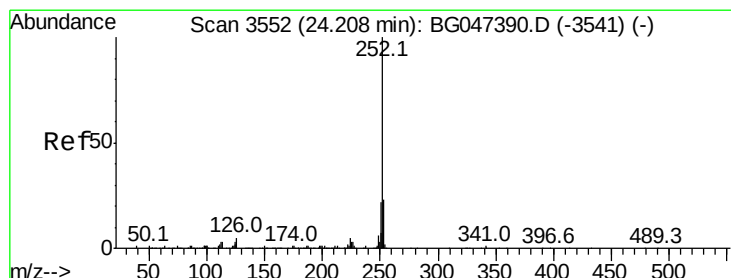
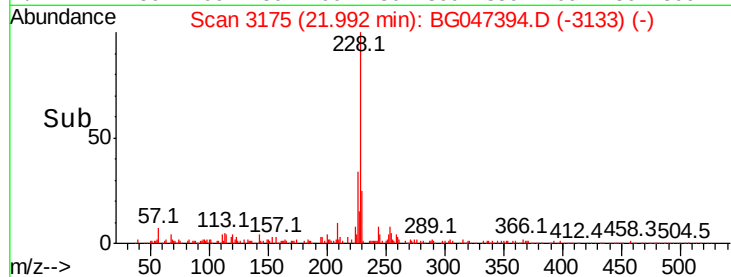
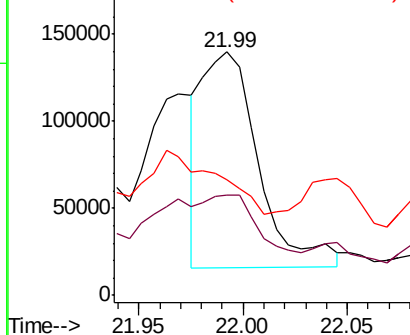
Tot Ion:	228	Resp:	235563
Ion Ratio	Lower	Upper	
228	100		
226	41.2	23.8	35.6#
229	47.4	16.3	24.5#

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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: 5.980 ng/ul m

RT: 24.32 min Scan# 3571

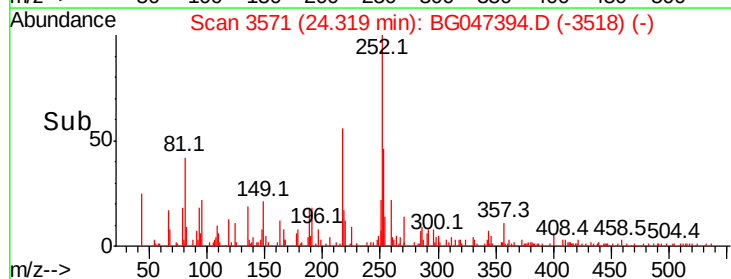
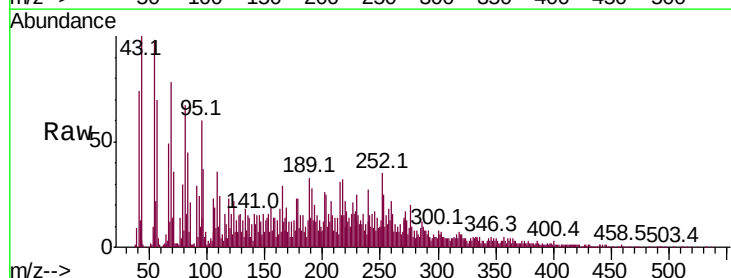
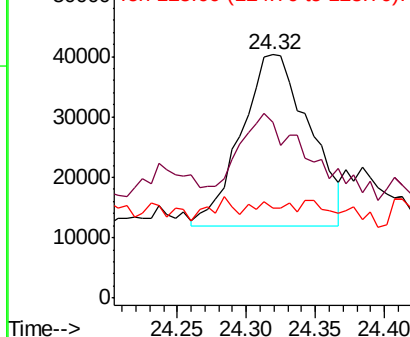
Delta R.T. 0.11 min

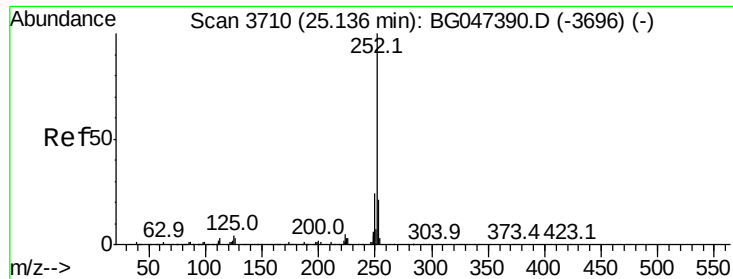
Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Tgt Ion:	252	Resp:	96842
Ion Ratio	Lower	Upper	
252	100		
253	72.2	18.4	27.6#
125	36.8	2.5	3.7#

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





#91

Benzo(a)pyrene

Concen: 6.632 ng/ul m

RT: 25.27 min Scan# 3732

Delta R.T. 0.13 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

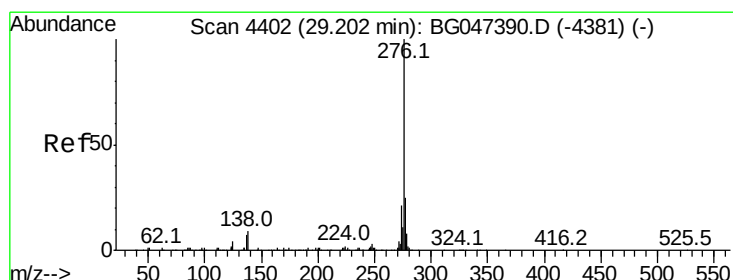
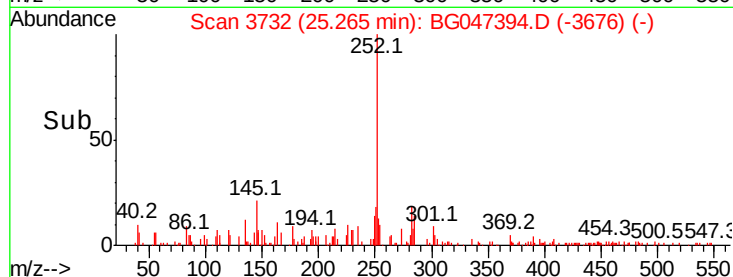
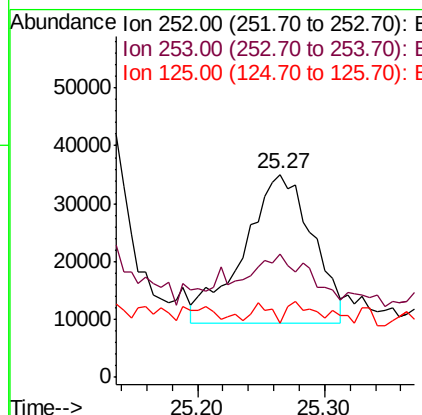
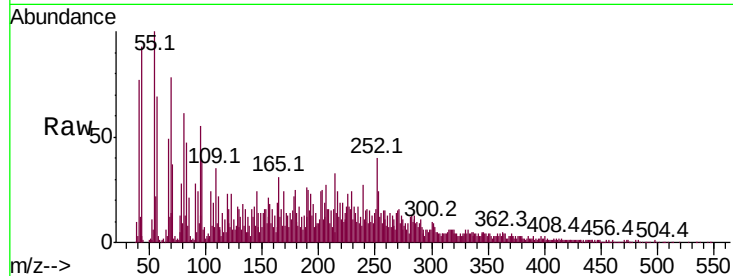
ClientSampleId :

C0AD2

Tot Ion:	252	Resp:	95736
Ion Ratio	Lower	Upper	
252	100		
253	60.4	17.5	26.3#
125	26.4	3.1	4.7#

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#92

Indeno(1,2,3-cd)pyrene

Concen: 2.163 ng/ul m

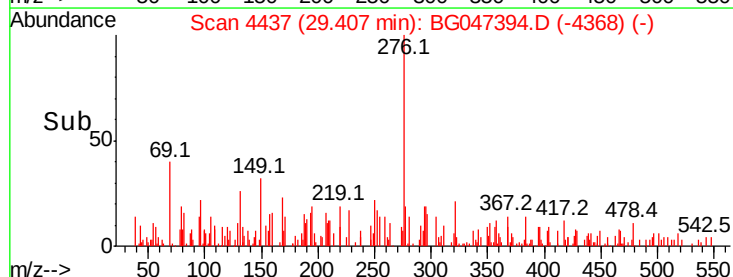
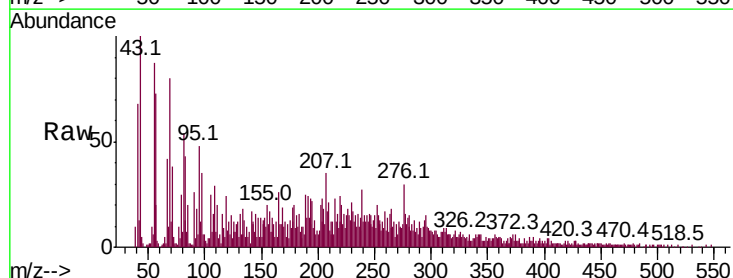
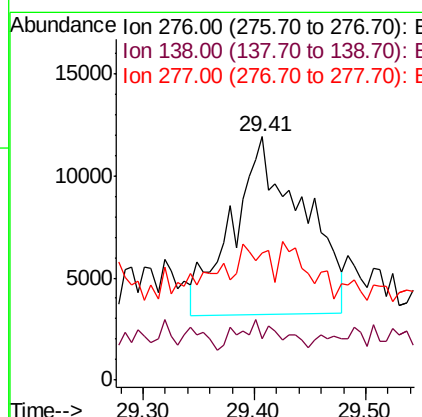
RT: 29.41 min Scan# 4437

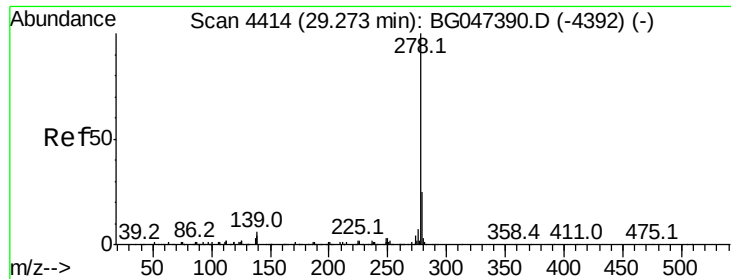
Delta R.T. 0.21 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Tgt Ion:	276	Resp:	37990
Ion Ratio	Lower	Upper	
276	100		
138	16.8	7.5	11.3#
277	52.5	19.9	29.9#





#93

Dibenzo(a,h)anthracene

Concen: 2.054 ng/ul m

RT: 29.46 min Scan# 4446

Delta R.T. 0.19 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Instrument :

BNA_G

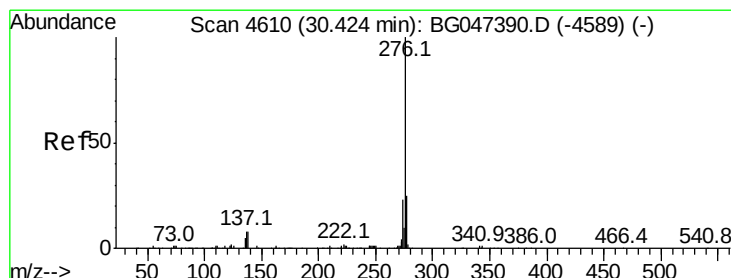
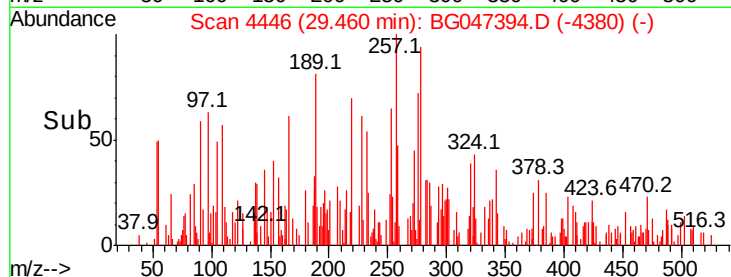
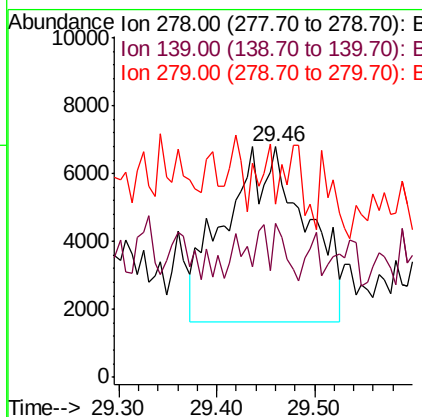
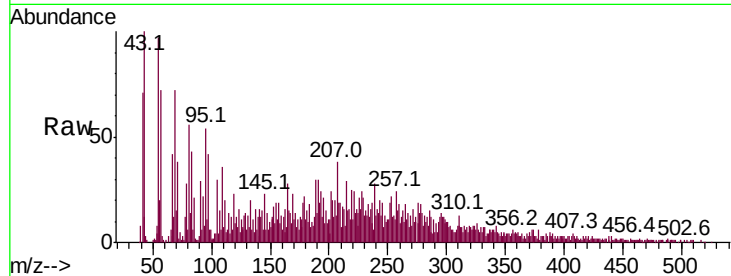
ClientSampled :

C0AD2

Tot Ion:	278	Resp:	29568
Ion Ratio	Lower	Upper	
278	100		
139	66.9	5.8	8.6#
279	75.1	20.0	30.0#

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#94

Benzo(g,h,i)perylene

Concen: 4.861 ng/ul m

RT: 30.65 min Scan# 4649

Delta R.T. 0.23 min

Lab File: BG047394.D

Acq: 21 Nov 2020 12:32

Tgt Ion:	276	Resp:	70432
Ion Ratio	Lower	Upper	
276	100		
138	19.1	8.2	12.2#
277	34.4	17.5	26.3#

