

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 15:00:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	63909	20.00	ng/ul	0.01
18) Naphthalene-d8	10.82	136	230244	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.65	164	149760	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.41	188	292895	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	356820	20.00	ng/ul	0.03
86) Perylene-d12	24.96	264	388986m	20.00	ng/ul	0.11

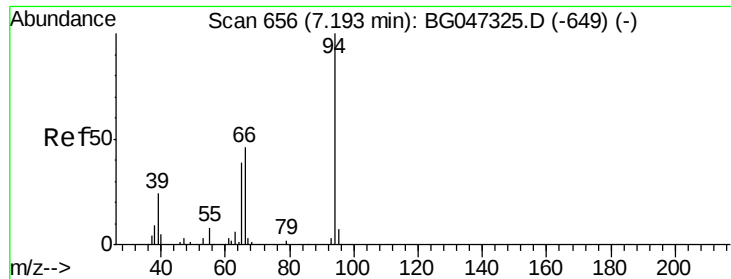
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	7265	4.59	ng/uL	0.01
5) Phenol-d5	7.17	99	171005	30.83	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.33	67	98635	30.92	ng/ul	0.01
9) 2-Chlorophenol-d4	7.55	132	139417	32.32	ng/ul	0.01
13) 4-Methylphenol-d8	8.72	113	138625	31.32	ng/ul	0.01
19) Nitrobenzene-d5	9.18	128	68697	35.60	ng/ul	0.01
22) 2-Nitrophenol-d4	9.90	143	79198	35.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	147746	33.59	ng/ul	0.01
29) 4-Chloroaniline-d4	10.95	131	64765	17.27	ng/ul	0.00
44) Dimethylphthalate-d6	14.06	166	377511	30.66	ng/ul	0.01
47) Acenaphthylene-d8	14.35	160	470365	32.29	ng/ul	0.01
52) 4-Nitrophenol-d4	14.87	143	61672	31.82	ng/ul	0.02
58) Fluorene-d10	15.65	176	333987	29.21	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.78	200	3097	1.53	ng/ul	0.03
71) Anthracene-d10	17.51	188	502356	35.39	ng/ul	0.02
79) Pyrene-d10	19.80	212	595768	29.27	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.74	264	685509m	32.06	ng/ul	0.11

Target Compounds

					Ovalue	
6) Phenol	7.20	94	5588	1.032	ng/ul#	67
28) Naphthalene	10.88	128	110159	8.516	ng/ul#	97
34) 2-Methylnaphthalene	12.48	142	333893	36.181	ng/ul	98
41) 1,1'-Biphenyl	13.49	154	50991	4.316	ng/ul	92
45) Dimethylphthalate	14.10	163	84760	6.859	ng/ul#	87
48) Acenaphthylene	14.38	152	14987	1.100	ng/ul#	1
50) Acenaphthene	14.72	153	52059m	5.280	ng/ul	
54) Dibenzofuran	15.05	168	76039m	5.299	ng/ul	
59) Fluorene	15.71	166	30118	2.557	ng/ul#	86
70) Phenanthrene	17.45	178	687294	41.838	ng/ul#	96
72) Anthracene	17.54	178	62440	3.782	ng/ul#	72
77) Fluoranthene	19.46	202	186512	9.433	ng/ul#	96
80) Pyrene	19.82	202	705783	28.904	ng/ul	99
83) Benzo(a)anthracene	21.67	228	115669	4.785	ng/ul#	26
84) Bis(2-ethylhexyl)phthalate	21.56	149	54068	4.346	ng/ul#	42
85) Chrysene	21.73	228	158714	6.825	ng/ul#	69
88) Benzo(b)fluoranthene	23.92	252	141688m	5.483	ng/ul	
91) Benzo(a)pyrene	24.81	252	66182m	2.844	ng/ul	
94) Benzo(g,h,i)perylene	29.82	276	58134m	2.405	ng/ul	

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



#6

Phenol

Concen: 1.032 ng/ul

RT: 7.20 min Scan# 658

Delta R.T. 0.01 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Instrument :

BNA_G

ClientSampleId :

C0AB8

Tot Ion: 94 Resp: 5588

Ion Ratio Lower Upper

94 100

65 45.3 24.6 36.8#

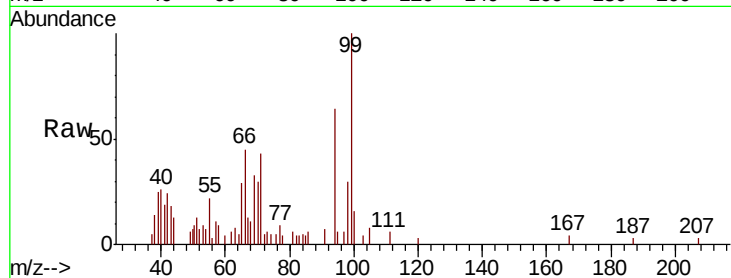
66 70.8 36.9 55.3#

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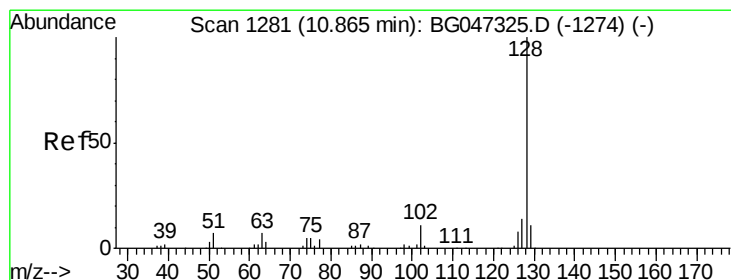
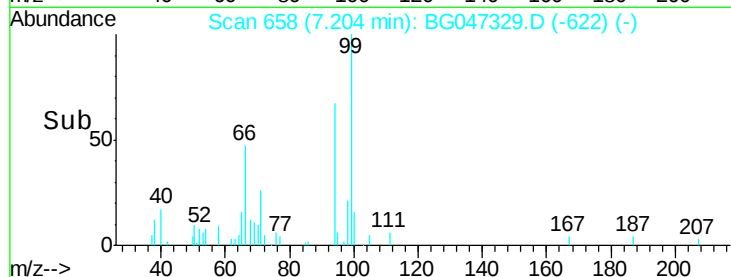
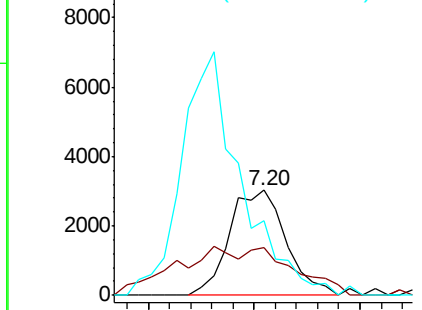
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Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 8.516 ng/ul

RT: 10.88 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

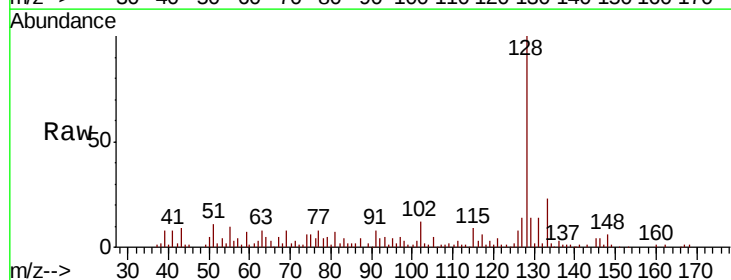
Tgt Ion:128 Resp: 110159

Ion Ratio Lower Upper

128 100

129 14.2 9.4 14.2#

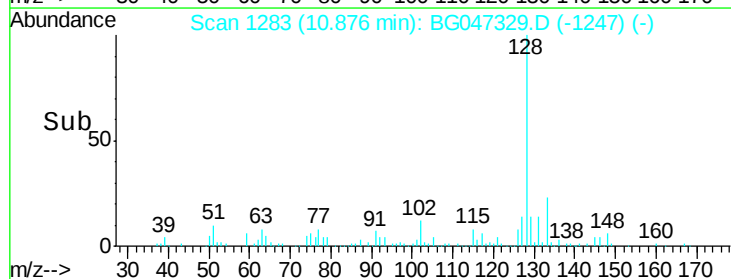
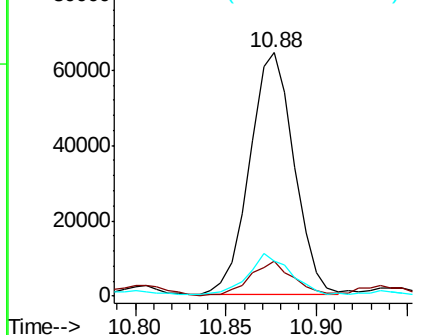
127 14.5 11.5 17.3

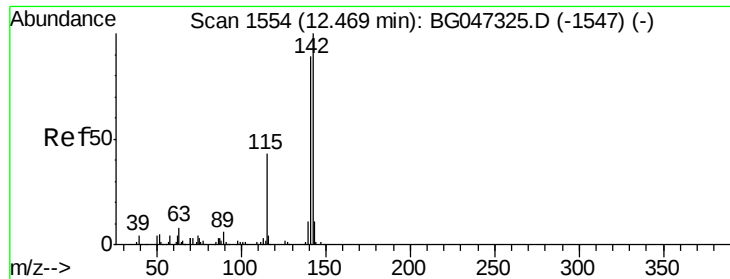


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





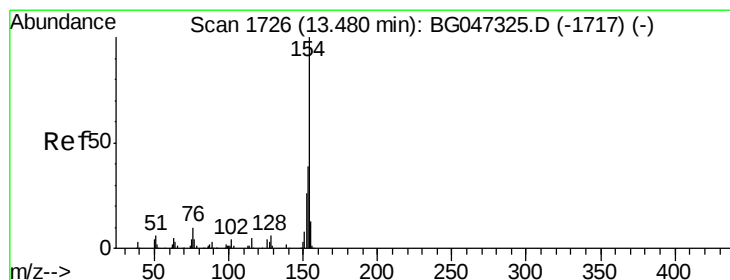
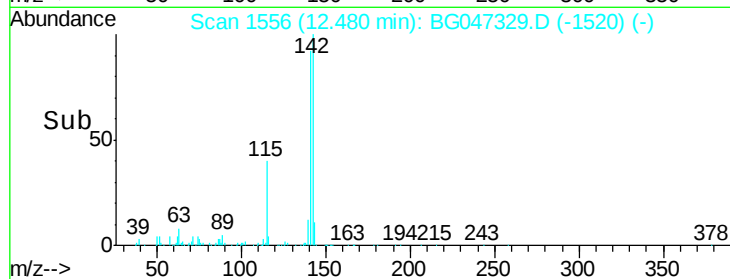
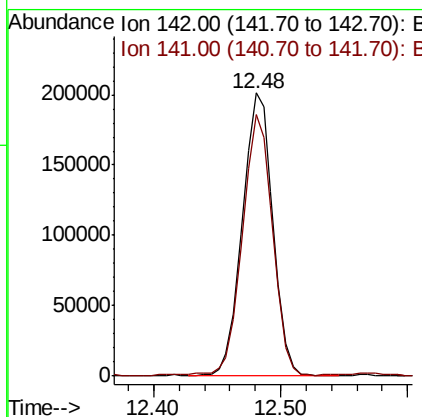
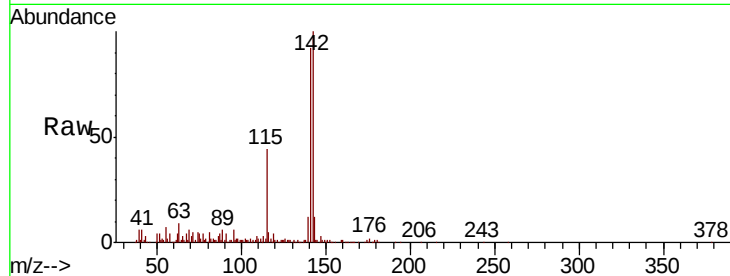
#34
 2-Methylnaphthalene
 Concen: 36.181 ng/ul
 RT: 12.48 min Scan# 1556
 Delta R.T. 0.01 min
 Lab File: BG047329.D
 Acq: 16 Nov 2020 14:14

Instrument :
 BNA_G
 ClientSampleId :
 C0AB8

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	72.4	108.6

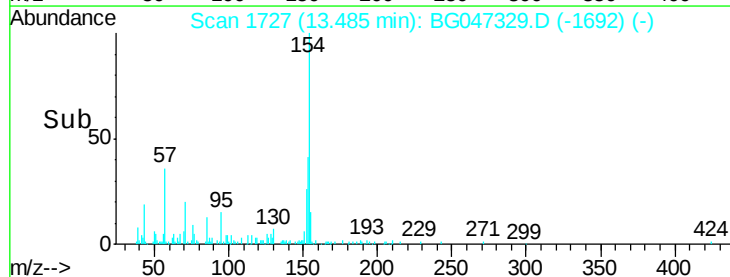
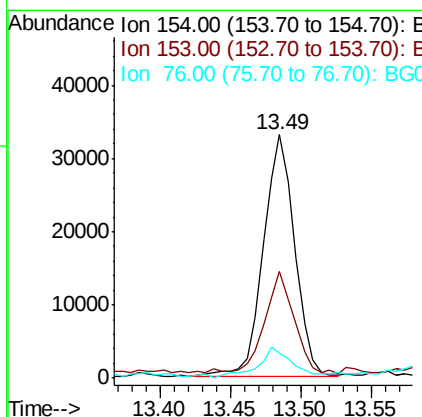
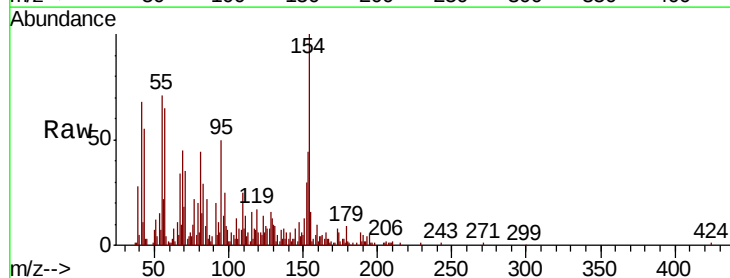
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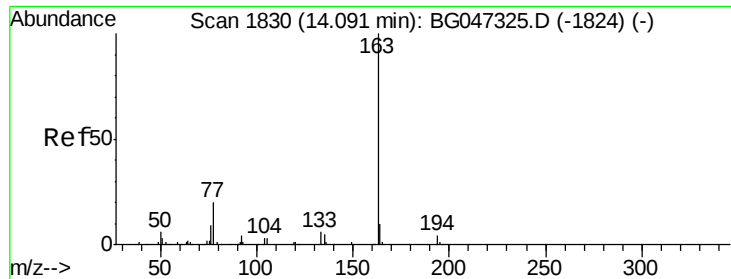
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#41
 1,1'-Biphenyl
 Concen: 4.316 ng/ul
 RT: 13.49 min Scan# 1727
 Delta R.T. 0.01 min
 Lab File: BG047329.D
 Acq: 16 Nov 2020 14:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.9	30.2	45.4
76	10.2	7.8	11.6





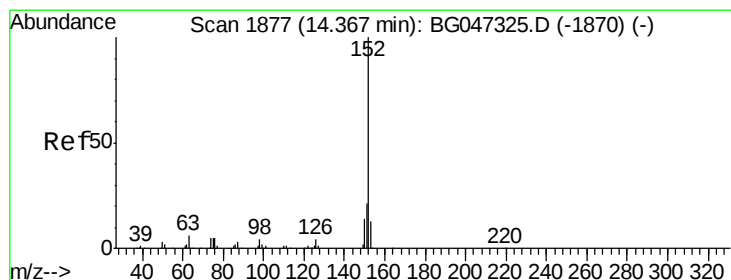
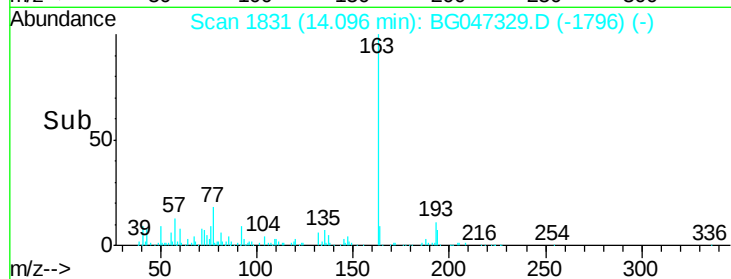
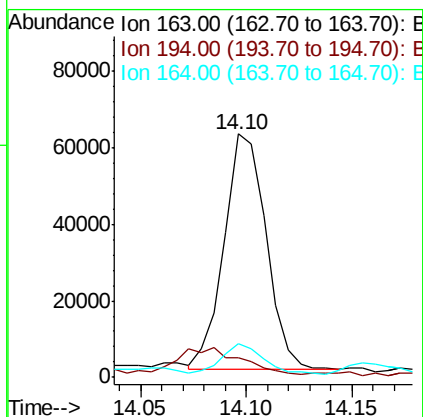
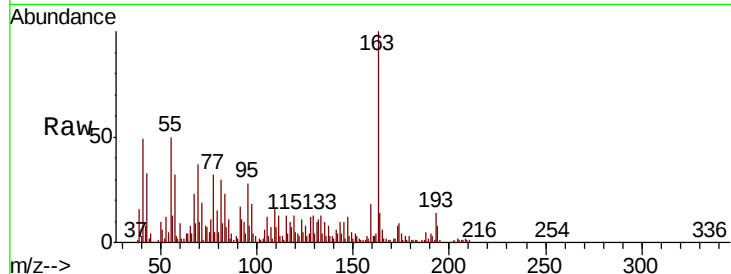
#45
Dimethylphthalate
Concen: 6.859 ng/ul
RT: 14.10 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BG047329.D
Acq: 16 Nov 2020 14:14

Instrument :
BNA_G
ClientSampleId :
C0AB8

Tot Ion	Ratio	Lower	Upper
163	100		
194	7.9	3.4	5.0#
164	14.0	7.2	10.8#

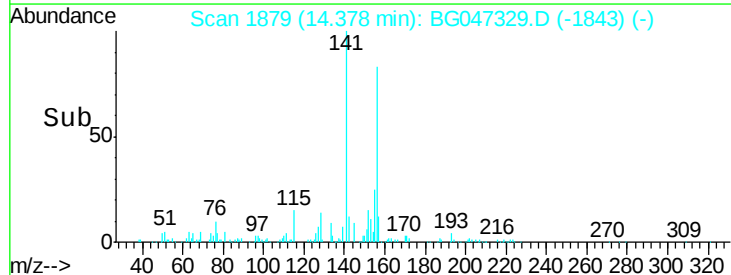
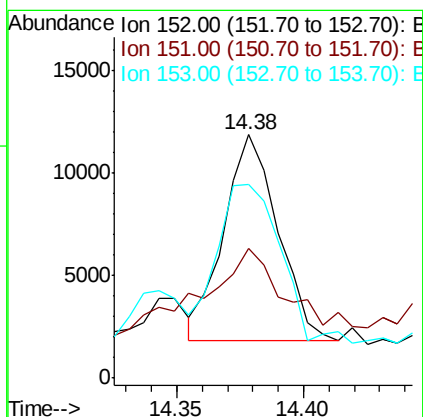
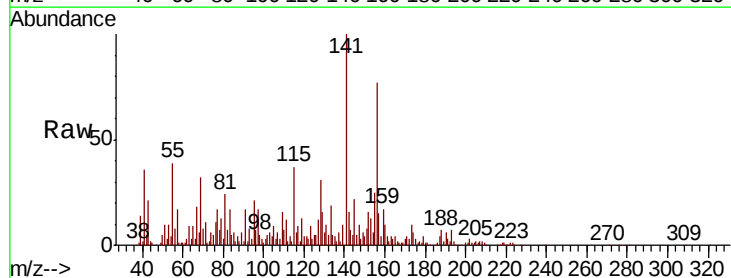
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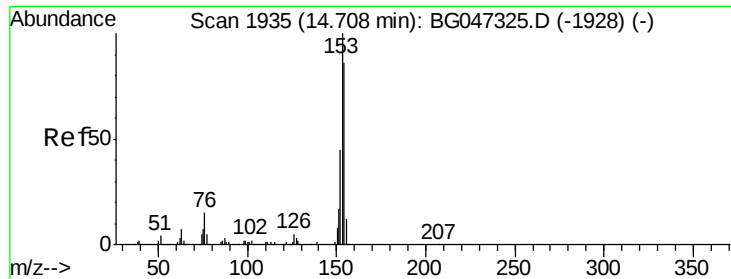
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#48
Acenaphthylene
Concen: 1.100 ng/ul
RT: 14.38 min Scan# 1879
Delta R.T. 0.01 min
Lab File: BG047329.D
Acq: 16 Nov 2020 14:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	53.3	17.4	26.2#
153	79.7	10.2	15.4#





#50

Acenaphthene

Concen: 5.280 ng/ul m

RT: 14.72 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Instrument :

BNA_G

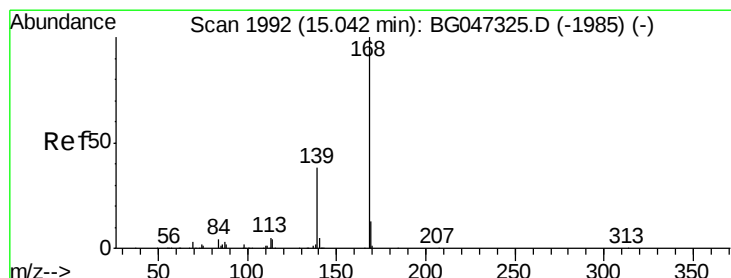
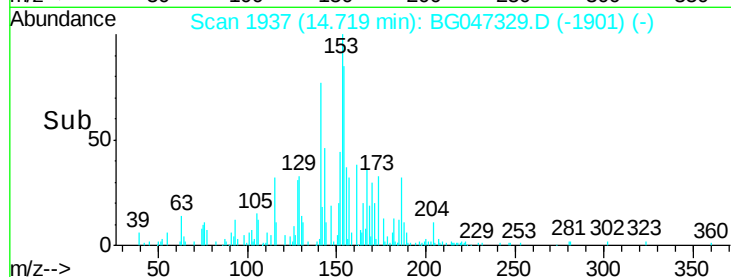
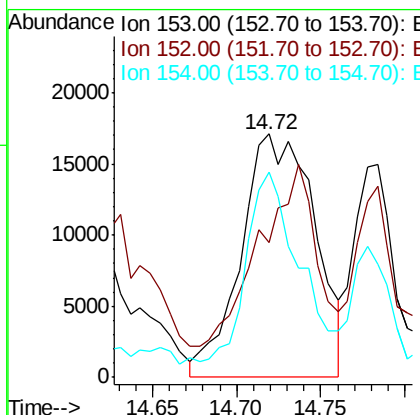
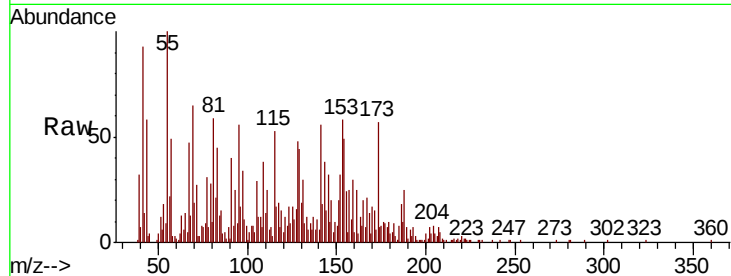
ClientSampleId :

C0AB8

Tot Ion	Ion	Ratio	Lower	Upper
52059	153	100		
	152	55.5	37.0	55.4#
	154	84.5	74.0	111.0

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#54

Dibenzofuran

Concen: 5.299 ng/ul m

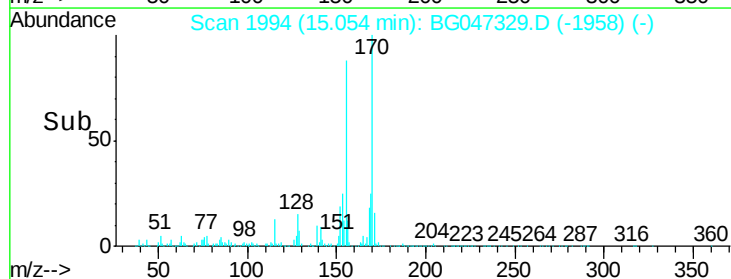
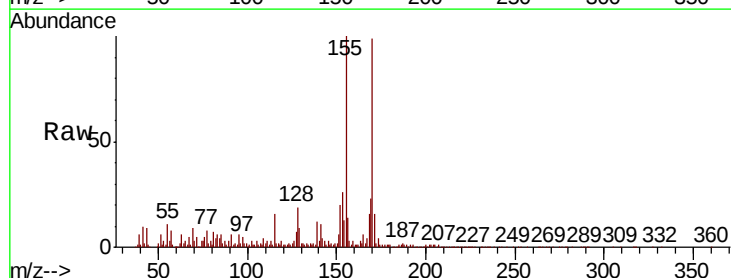
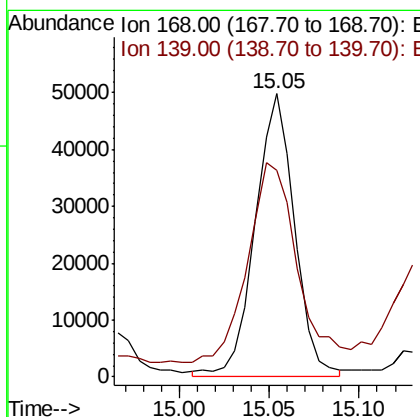
RT: 15.05 min Scan# 1994

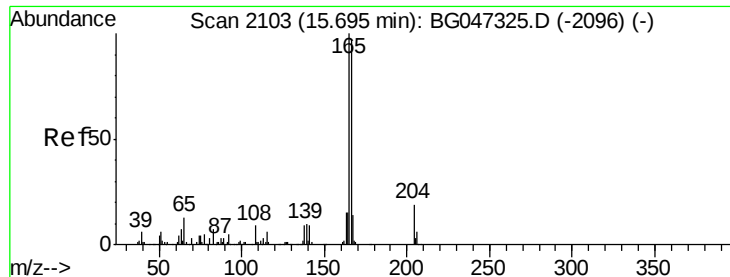
Delta R.T. 0.01 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Tgt Ion	Ion	Ratio	Lower	Upper
76039	168	100		
	139	72.9	31.5	47.3#





#59

Fluorene

Concen: 2.557 ng/ul

RT: 15.71 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Instrument :

BNA_G

ClientSampleId :

C0AB8

Tot Ion:166 Resp: 30118

Ion Ratio Lower Upper

166 100

165 106.1 76.2 114.4

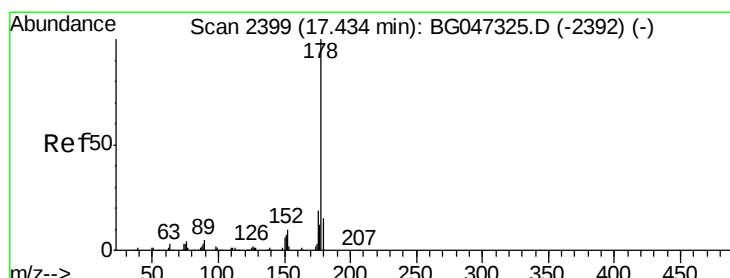
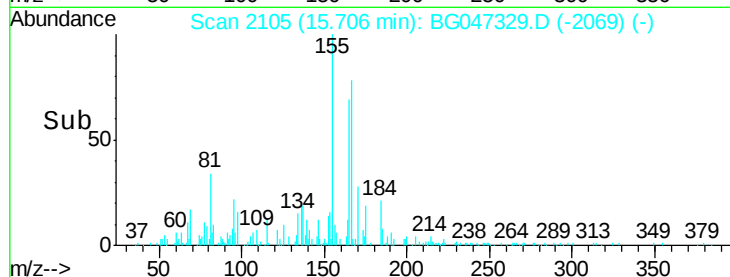
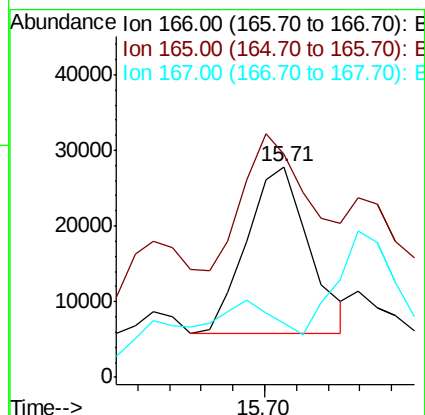
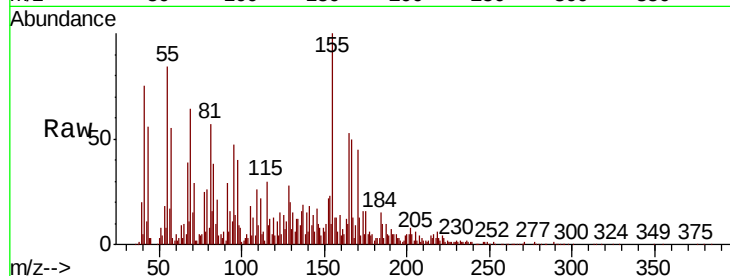
167 25.8 10.4 15.6#

Manual Integrations

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#70

Phenanthrene

Concen: 41.838 ng/ul

RT: 17.45 min Scan# 2402

Delta R.T. 0.02 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

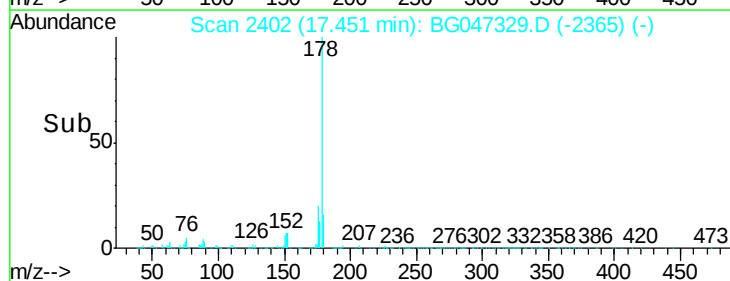
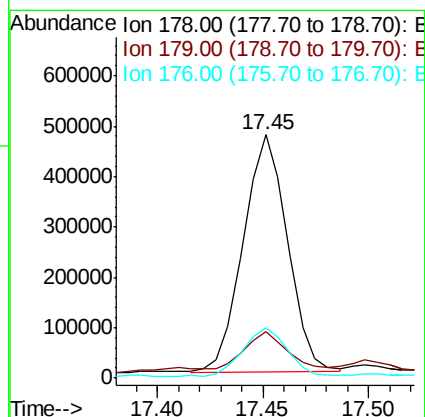
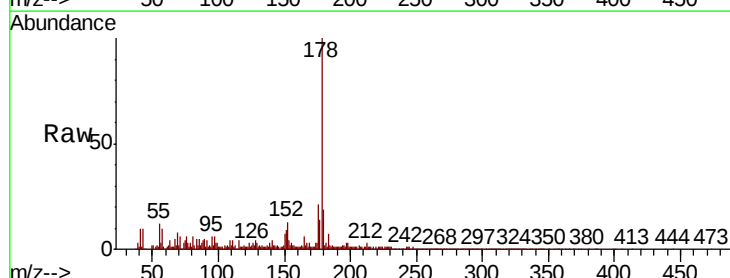
Tgt Ion:178 Resp: 687294

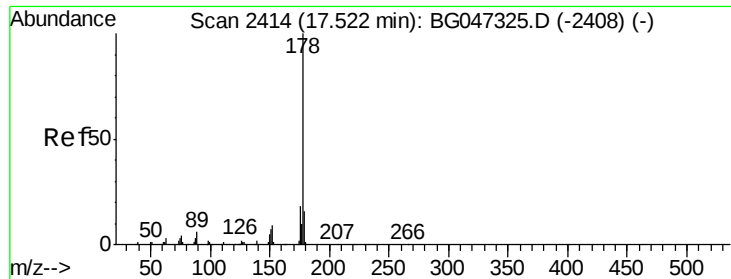
Ion Ratio Lower Upper

178 100

179 19.0 12.2 18.4#

176 20.6 16.5 24.7





#72

Anthracene

Concen: 3.782 ng/ul

RT: 17.54 min Scan# 2417

Delta R.T. 0.02 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Instrument :

BNA_G

ClientSampled :

C0AB8

Tot Ion:178 Resp: 62440

Ion Ratio Lower Upper

178 100

179 37.1 12.4 18.6#

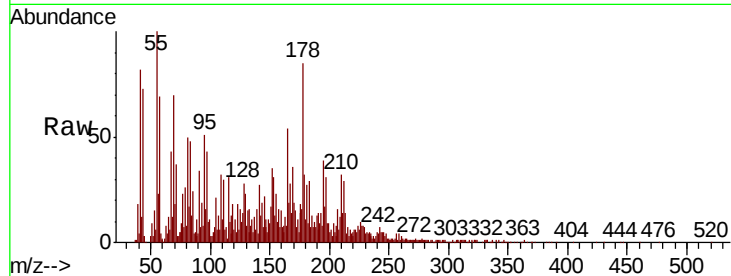
176 21.1 14.4 21.6

Manual Integrations

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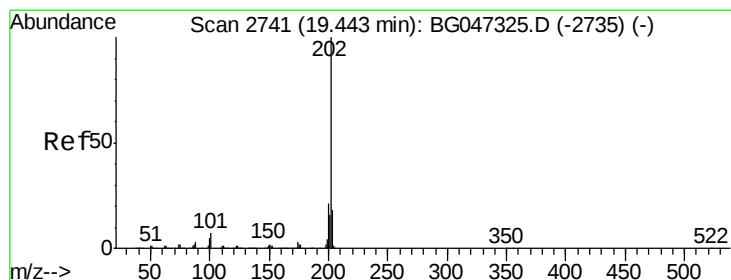
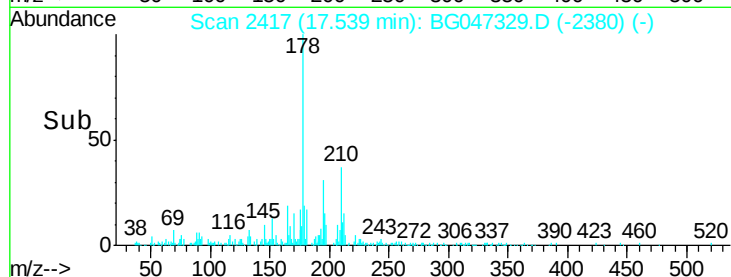
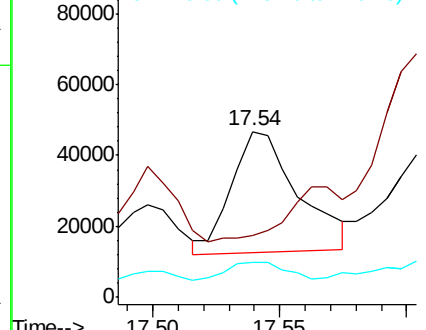
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 9.433 ng/ul

RT: 19.46 min Scan# 2744

Delta R.T. 0.02 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

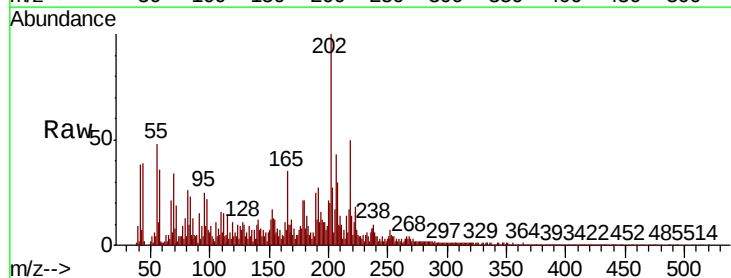
Tgt Ion:202 Resp: 186512

Ion Ratio Lower Upper

202 100

101 8.8 5.0 7.6#

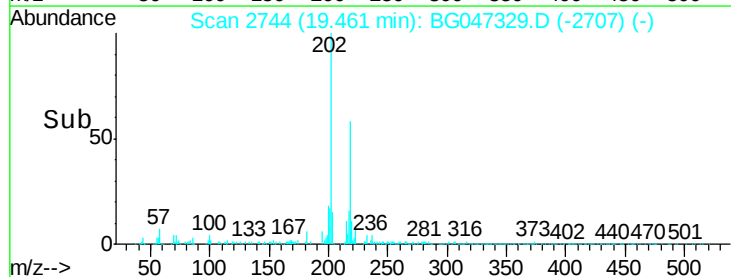
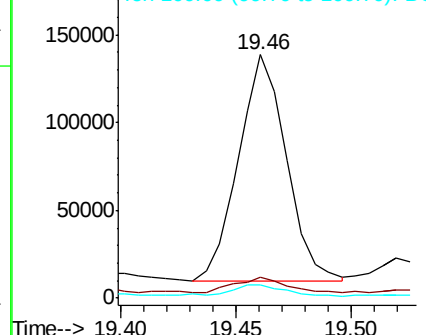
100 5.4 4.2 6.2

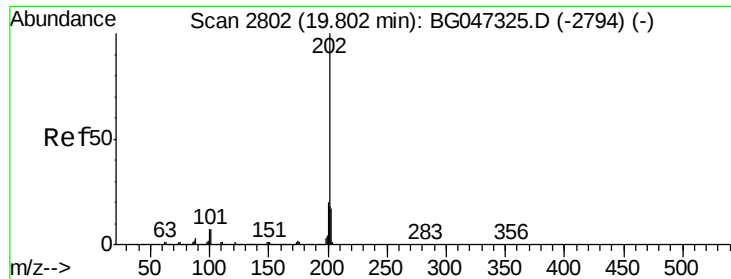


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





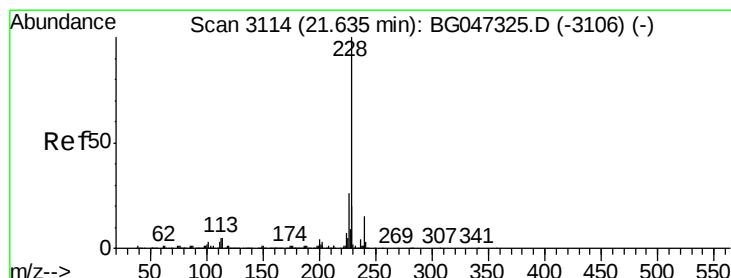
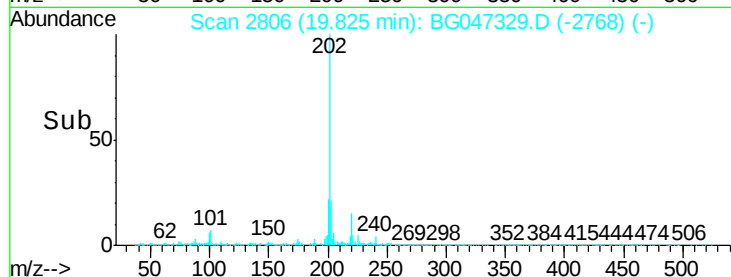
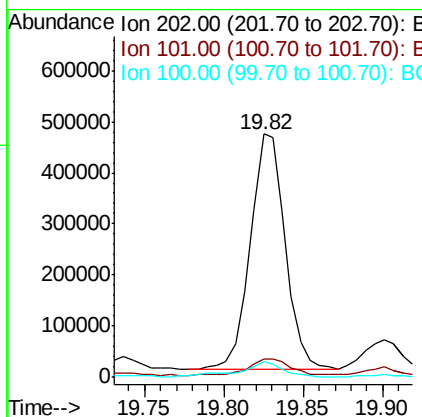
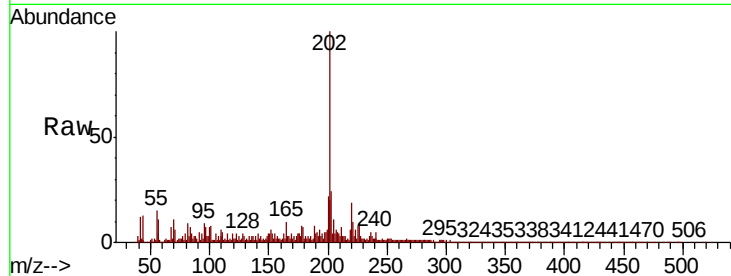
#80
Pvrene
Concen: 28.904 ng/ul
RT: 19.82 min Scan# 2806
Delta R.T. 0.02 min
Lab File: BG047329.D
Acq: 16 Nov 2020 14:14

Instrument :
BNA_G
ClientSampleId :
C0AB8

Tot Ion:	202	Resp:	705783
Ion Ratio	Lower	Upper	
202	100		
101	7.8	6.5	9.7
100	6.6	5.7	8.5

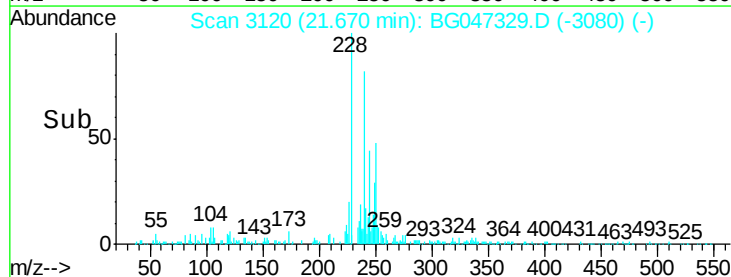
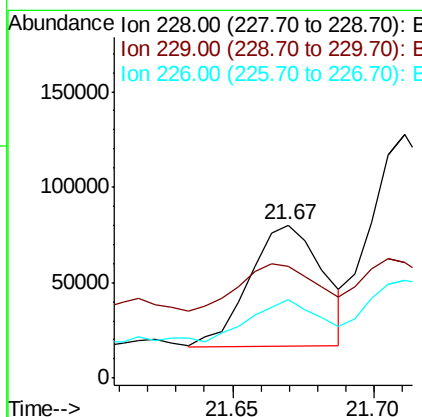
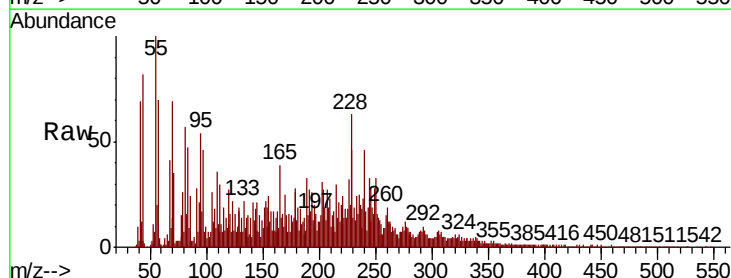
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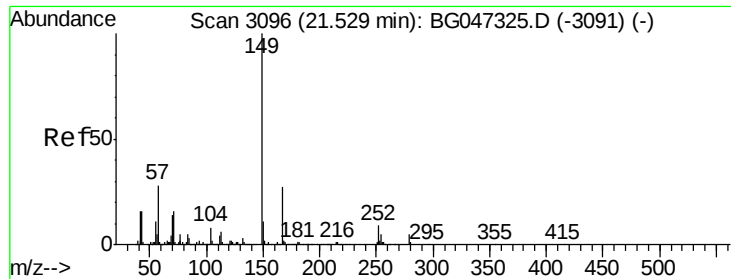
mohammad
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#83
Benzo(a)anthracene
Concen: 4.785 ng/ul
RT: 21.67 min Scan# 3120
Delta R.T. 0.03 min
Lab File: BG047329.D
Acq: 16 Nov 2020 14:14

Tgt Ion:	228	Resp:	115669
Ion Ratio	Lower	Upper	
228	100		
229	72.9	15.1	22.7#
226	51.4	22.7	34.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.346 ng/ul

RT: 21.56 min Scan# 3101

Delta R.T. 0.03 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Instrument :

BNA_G

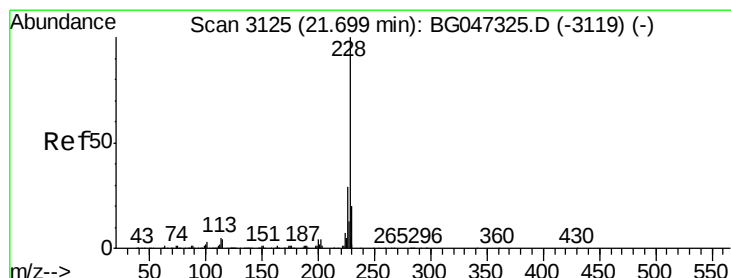
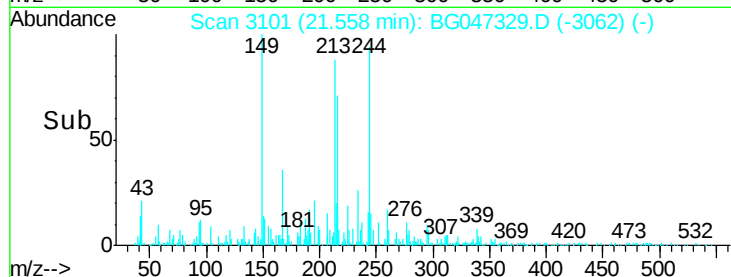
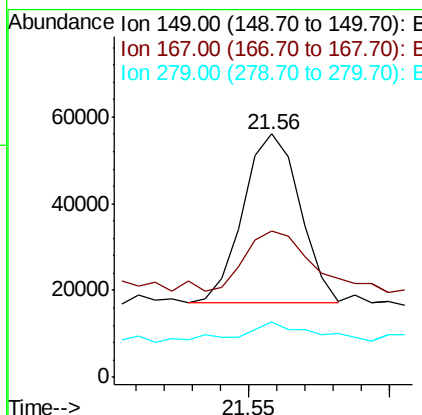
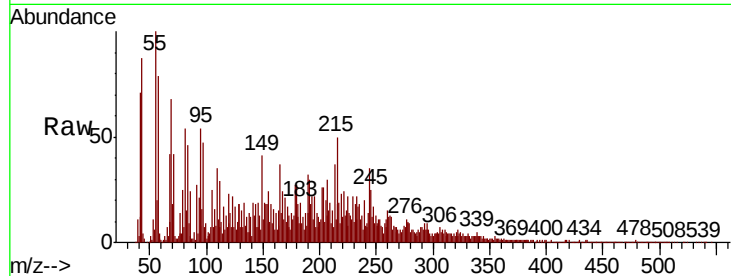
ClientSampled :

C0AB8

Tot Ion	Ratio	Lower	Upper
149	100		
167	60.0	22.7	34.1#
279	22.7	4.6	7.0#

Manual Integrations
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#85

Chrysene

Concen: 6.825 ng/ul

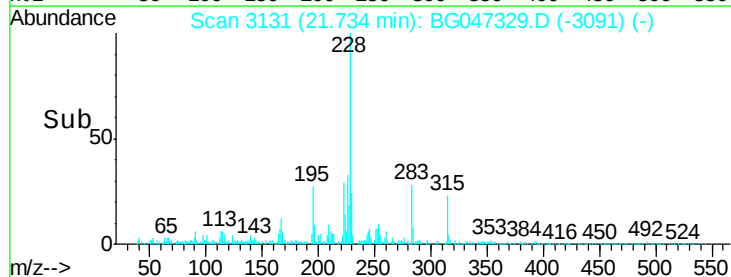
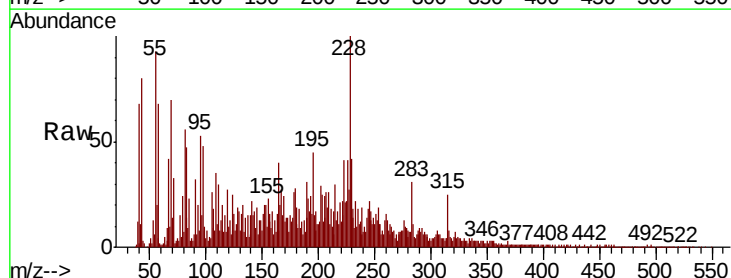
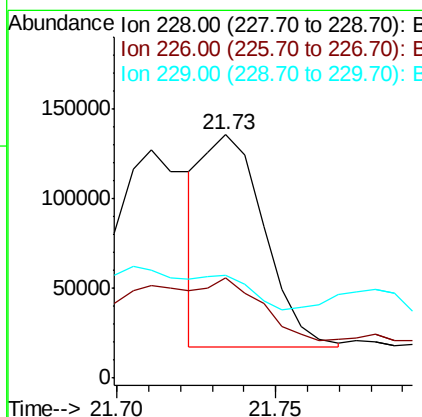
RT: 21.73 min Scan# 3131

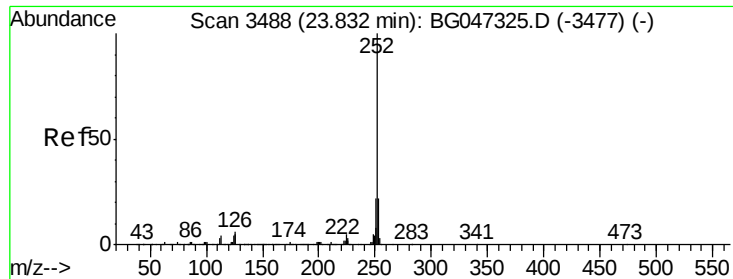
Delta R.T. 0.03 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.4	24.6	36.8#
229	42.1	15.8	23.8#





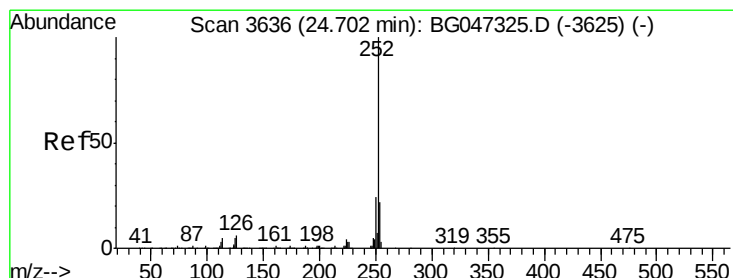
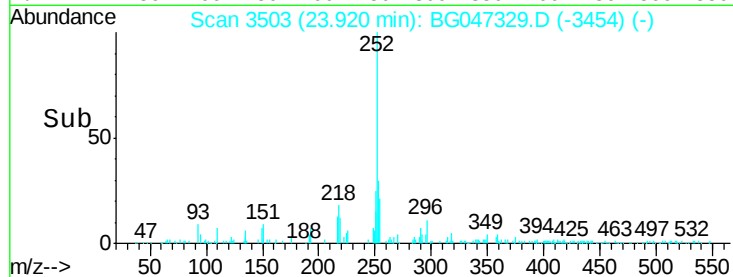
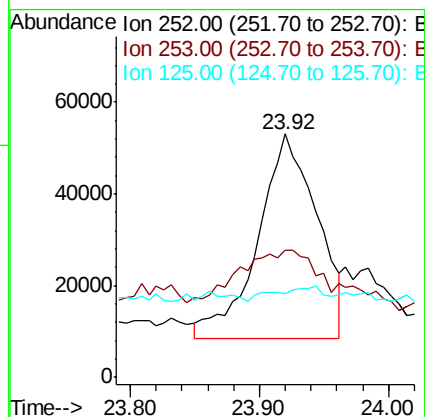
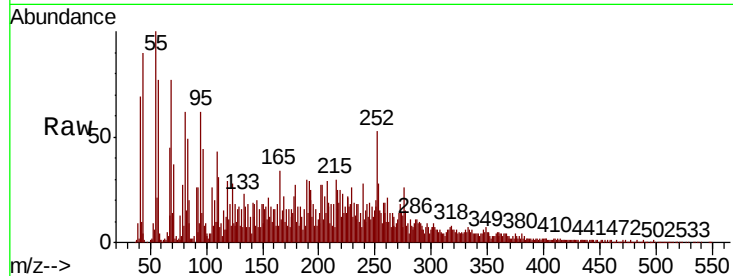
#88
Benzo(b)fluoranthene
Concen: 5.483 ng/ul m
RT: 23.92 min Scan# 3503
Delta R.T. 0.09 min
Lab File: BG047329.D
Acq: 16 Nov 2020 14:14

Instrument :
BNA_G
ClientSampleId :
C0AB8

Tot Ion	Ratio	Lower	Upper
252	100		
253	52.1	18.0	27.0#
125	34.5	3.7	5.5#

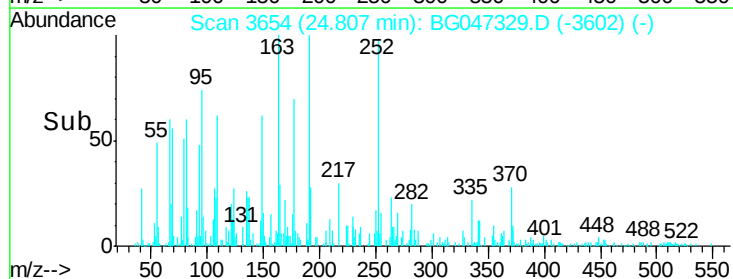
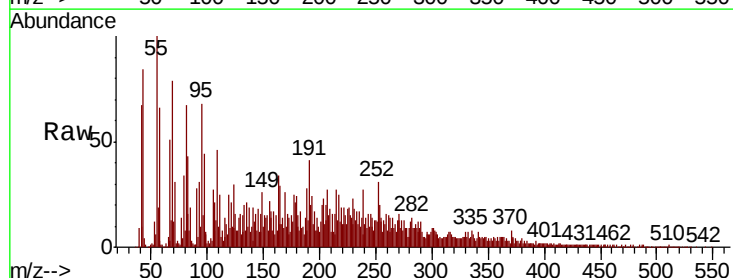
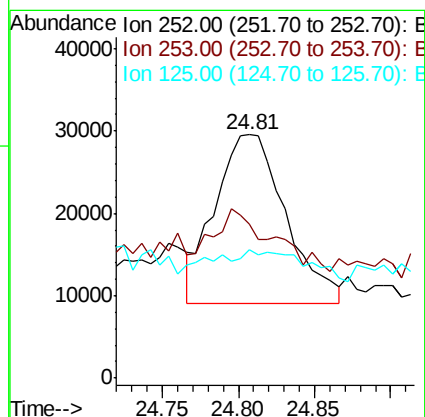
Manual Integrations
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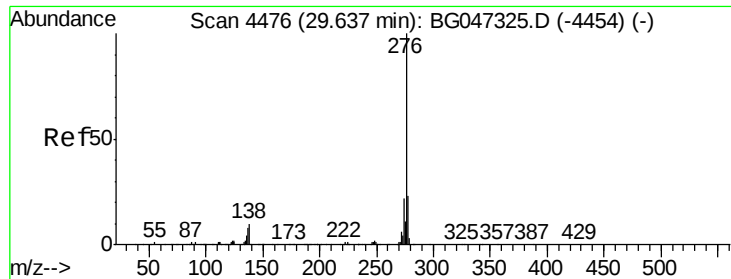
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#91
Benzo(a)pyrene
Concen: 2.844 ng/ul m
RT: 24.81 min Scan# 3654
Delta R.T. 0.11 min
Lab File: BG047329.D
Acq: 16 Nov 2020 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	63.2	17.8	26.6#
125	52.5	4.2	6.4#





#94

Benzo(a,h,i)perylene

Concen: 2.405 ng/ul m

RT: 29.82 min Scan# 4508

Delta R.T. 0.19 min

Lab File: BG047329.D

Acq: 16 Nov 2020 14:14

Instrument :

BNA_G

ClientSampleId :

C0AB8

Tot Ion:	276	Resp:	58134
Ion Ratio	Lower	Upper	
276	100		
138	22.3	9.0	13.6#
277	52.8	19.2	28.8#

Manual Integrations
APPROVED

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