

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
 Data File : BG047393.D
 Acq On : 21 Nov 2020 11:52
 Operator : CG/JU
 Sample : L4854-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD1

Manual Integrations
 APPROVED

mohammad
 11/24/2020 9:00:16 AM

Quant Time: Nov 21 13:19:14 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	42002	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	145225	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	98967	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.63	188	200239	20.00	ng/ul	0.02
78) Chrysene-d12	21.94	240	225339	20.00	ng/ul	0.04
86) Perylene-d12	25.42	264	258638m	20.00	ng/ul	0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.63	96	2158	1.87	ng/uL	0.01
5) Phenol-d5	7.40	99	64617	15.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	39394	16.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	45488	16.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	49292	15.23	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	24115	20.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	27368	20.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	53258	17.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	115530	38.12	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	145746	17.15	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	181966	18.53	ng/ul	0.02
52) 4-Nitrophenol-d4	15.05	143	21469	16.56	ng/ul	0.01
58) Fluorene-d10	15.88	176	129817	16.68	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	16.00	200	22829m	20.03	ng/ul	0.03
71) Anthracene-d10	17.73	188	197293	19.86	ng/ul	0.02
79) Pyrene-d10	20.00	212	225443	17.19	ng/ul	0.02
90) Benzo(a)pyrene-d12	25.18	264	268427m	18.03	ng/ul	0.12

Target Compounds

					Ovalue	
6) Phenol	7.43	94	13299	3.295	ng/ul#	88
28) Naphthalene	11.16	128	131715	16.013	ng/ul#	93
34) 2-Methylnaphthalene	12.74	142	369449	60.611	ng/ul	97
41) 1,1'-Biphenyl	13.73	154	85904	11.190	ng/ul	100
45) Dimethylphthalate	14.33	163	51474	5.940	ng/ul#	71
50) Acenaphthene	14.96	153	101249	15.817	ng/ul	86
54) Dibenzofuran	15.29	168	97484	10.368	ng/ul#	8
59) Fluorene	15.93	166	138685	17.509	ng/ul#	88
70) Phenanthrene	17.68	178	1270370	117.482	ng/ul#	95
72) Anthracene	17.77	178	138181	12.689	ng/ul#	82
73) 1,2,3,4-Tetrachlorobenzene	13.70	216	4079	1.296	ng/uL	88
77) Fluoranthene	19.67	202	234302	17.157	ng/ul#	95
80) Pyrene	20.04	202	1299410	81.407	ng/ul#	98
83) Benzo(a)anthracene	21.92	228	181487	11.319	ng/ul#	19
85) Chrysene	21.99	228	217866	14.279	ng/ul#	60
88) Benzo(b)fluoranthene	24.31	252	106696m	5.843	ng/ul	
91) Benzo(a)pyrene	25.26	252	130440m	8.013	ng/ul	
92) Indeno(1,2,3-cd)pyrene	29.39	276	42916m	2.167	ng/ul	
94) Benzo(g,h,i)perylene	30.65	276	73933m	4.525	ng/ul	

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

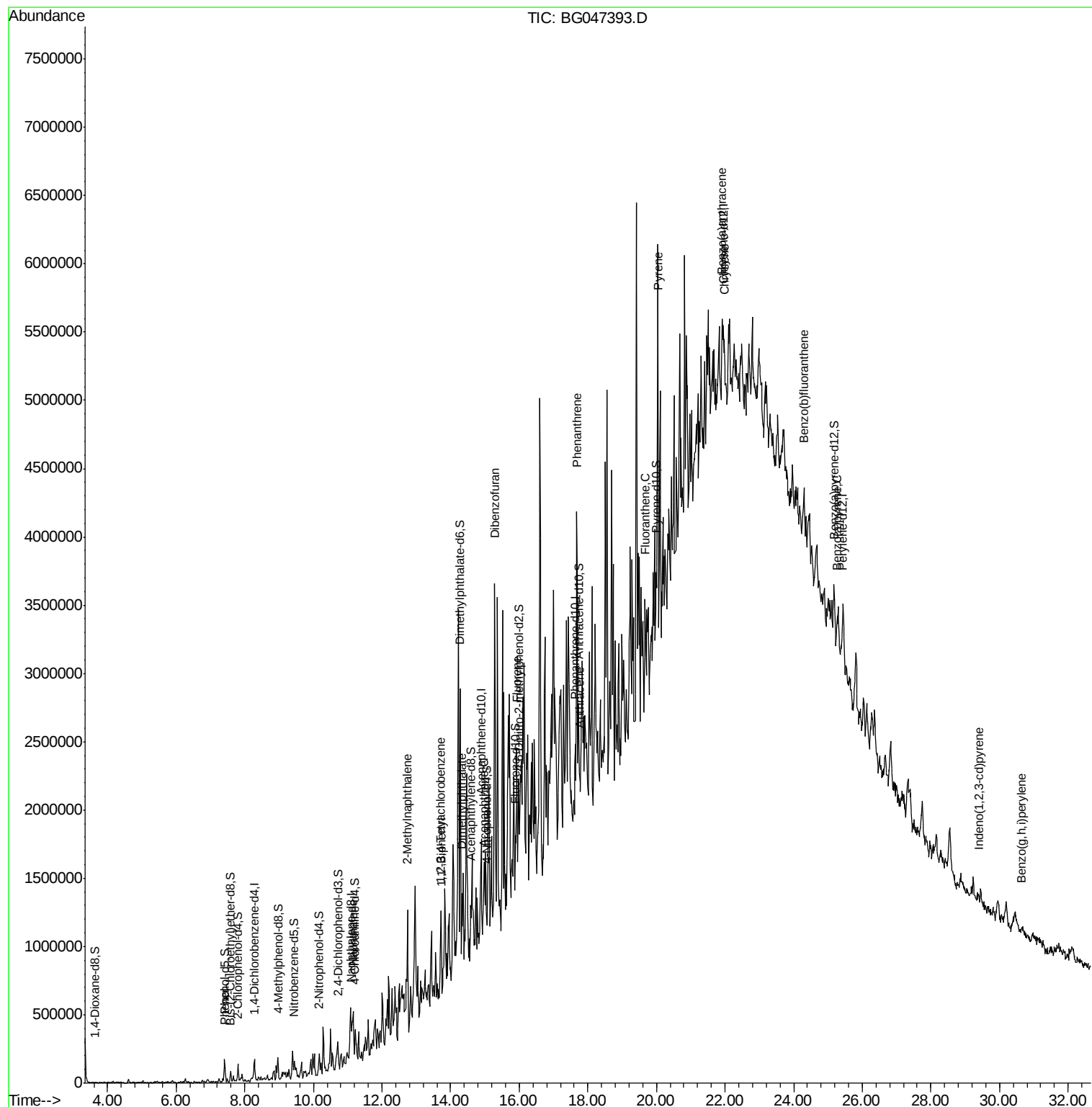
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

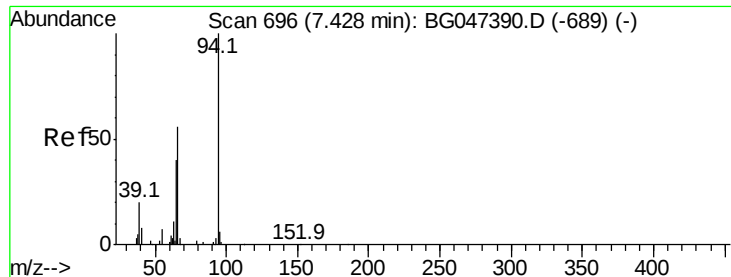
Instrument :
BNA_G
ClientSampleId :
C0AD1

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Quant Time: Nov 21 13:19:14 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





#6

Phenol

Concen: 3.295 ng/ul

RT: 7.43 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Instrument :

BNA_G

ClientSampleId :

C0AD1

Tot Ion: 94 Resp: 13299

Ion Ratio Lower Upper

94 100

65 58.3 31.2 46.8#

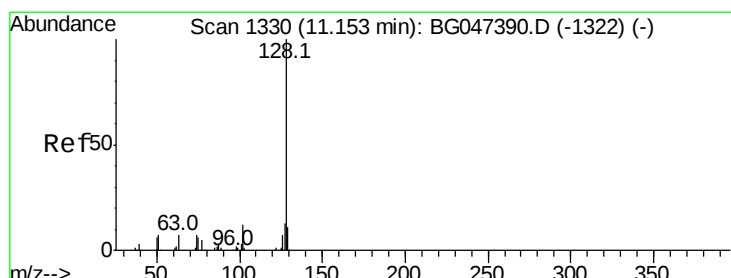
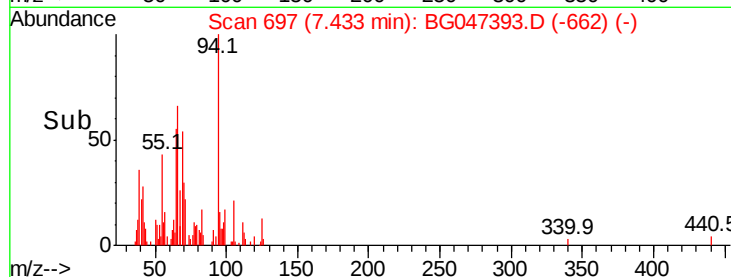
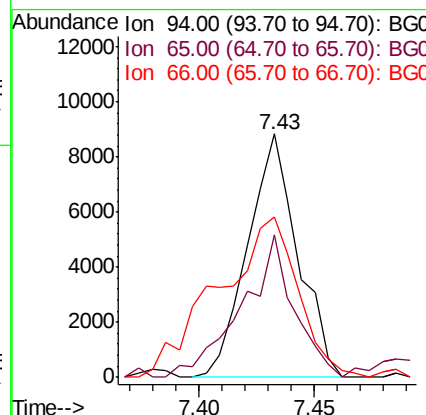
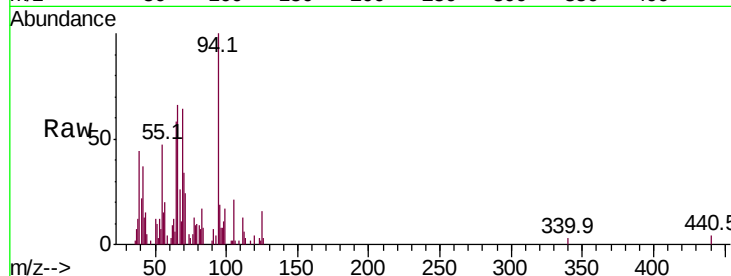
66 65.7 52.2 78.2

Manual Integrations

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#28

Naphthalene

Concen: 16.013 ng/ul

RT: 11.16 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

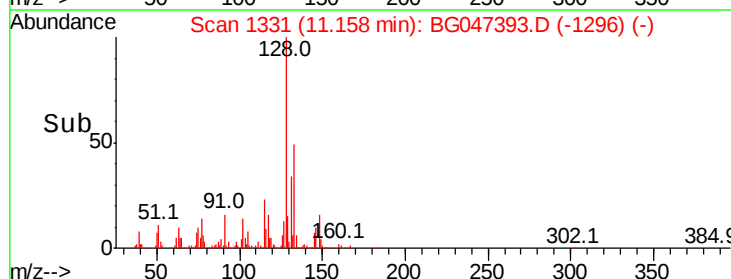
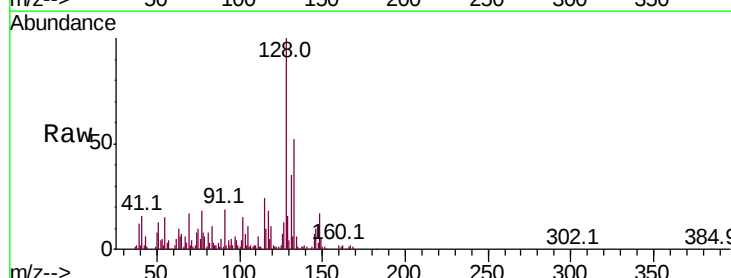
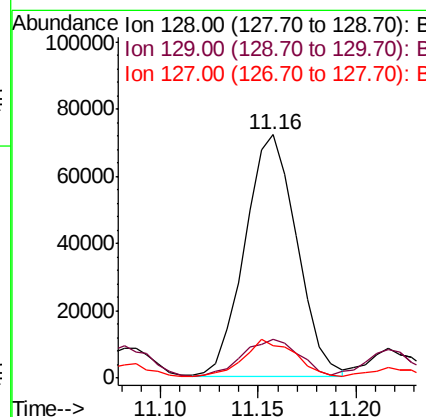
Tgt Ion: 128 Resp: 131715

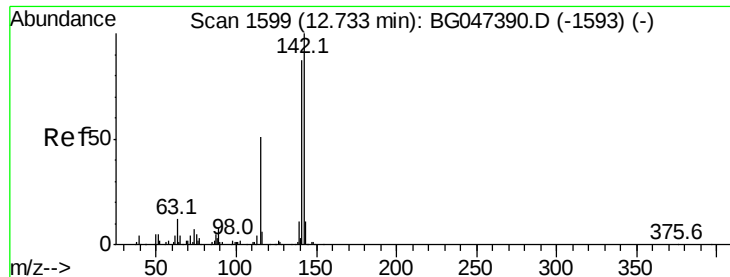
Ion Ratio Lower Upper

128 100

129 15.9 8.6 13.0#

127 13.3 11.5 17.3





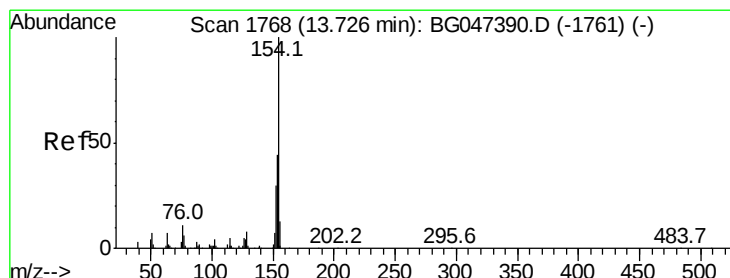
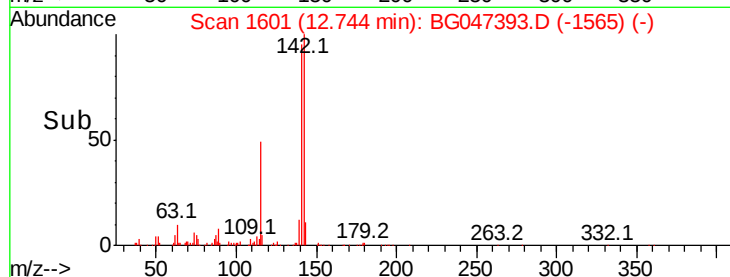
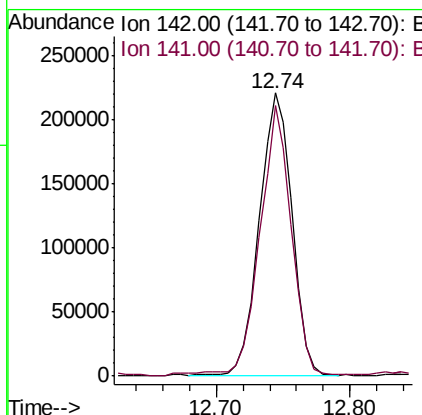
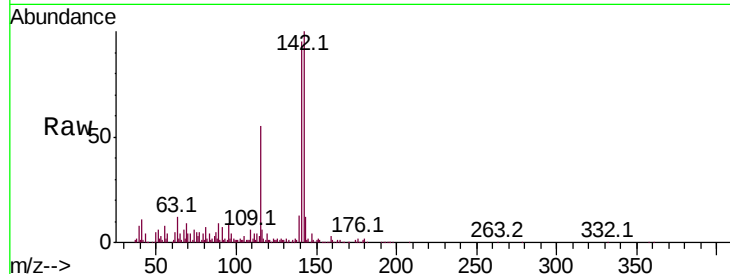
#34
2-Methylnaphthalene
Concen: 60.611 ng/ul
RT: 12.74 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BG047393.D
Acq: 21 Nov 2020 11:52

Instrument :
BNA_G
ClientSampleId :
C0AD1

Tot Ion	Ratio	Resp	Lower	Upper
142	100	369449		
141	95.4	74.1	111.1	

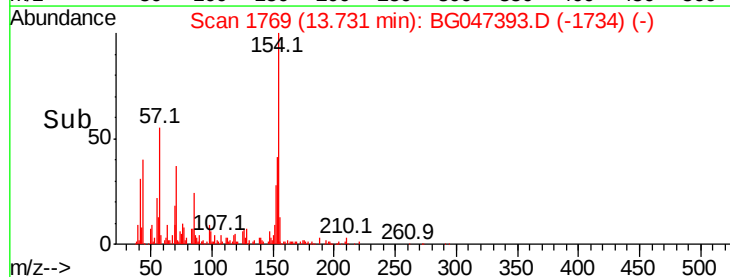
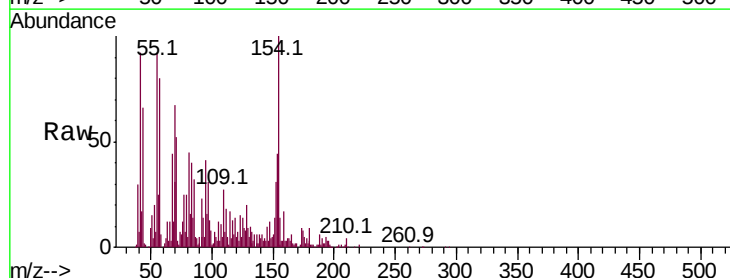
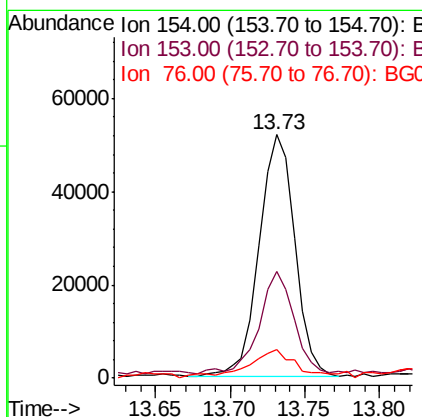
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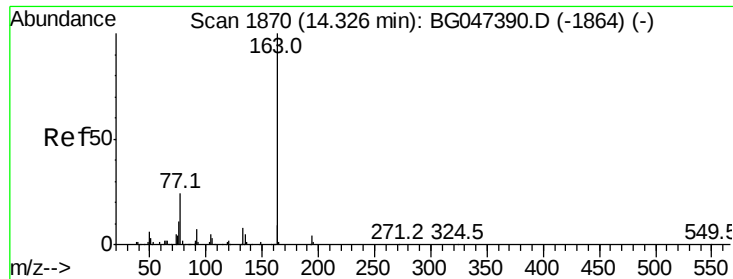
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#41
1,1'-Biphenyl
Concen: 11.190 ng/ul
RT: 13.73 min Scan# 1769
Delta R.T. 0.00 min
Lab File: BG047393.D
Acq: 21 Nov 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	85904		
153	43.6	34.9	52.3	
76	11.7	8.8	13.2	





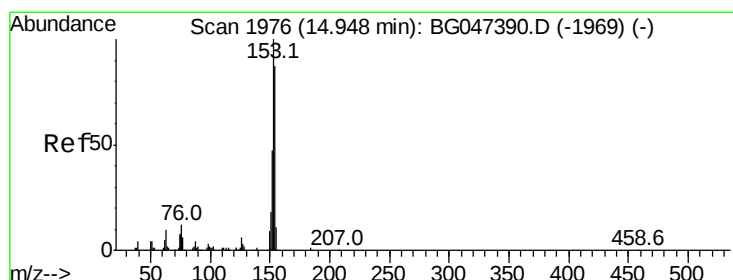
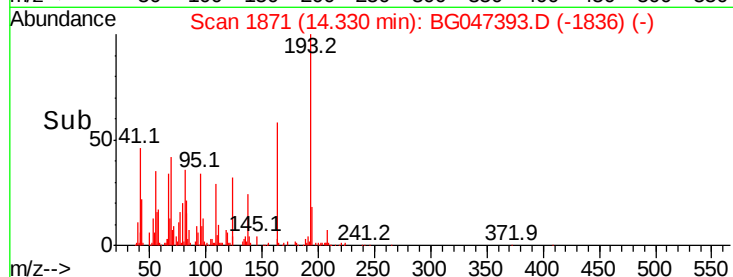
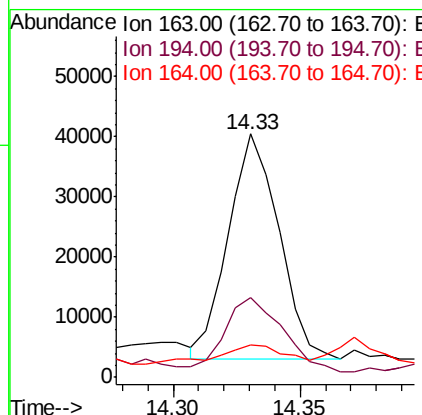
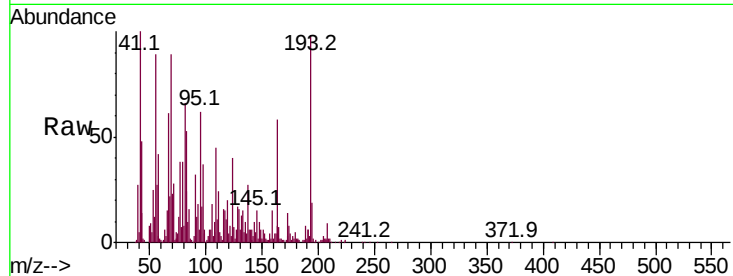
#45
Dimethylphthalate
Concen: 5.940 ng/ul
RT: 14.33 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BG047393.D
Acq: 21 Nov 2020 11:52

Instrument :
BNA_G
ClientSampled :
C0AD1

Tot Ion	Ratio	Lower	Upper
163	100		
194	33.0	3.4	5.2#
164	13.5	8.8	13.2#

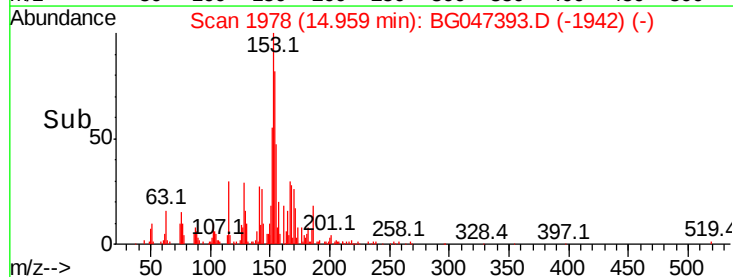
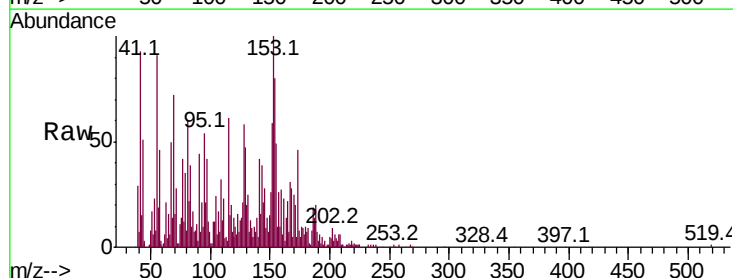
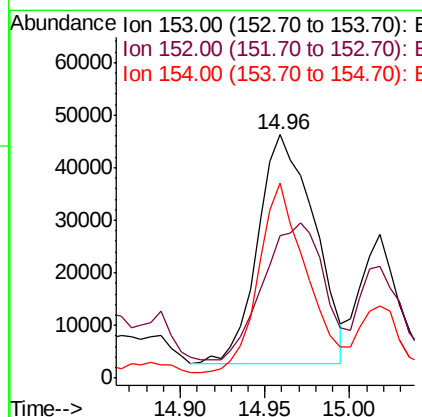
Manual Integrations
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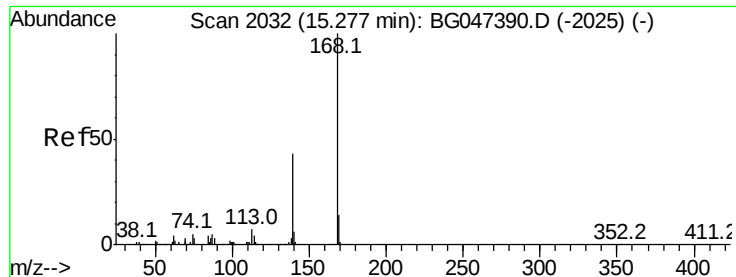
mohammad
11/24/2020 9:00:16 AM



#50
Acenaphthene
Concen: 15.817 ng/ul
RT: 14.96 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BG047393.D
Acq: 21 Nov 2020 11:52

Tgt Ion	Ratio	Lower	Upper
153	100		
152	58.5	39.8	59.8
154	80.2	76.0	114.0





#54

Dibenzofuran

Concen: 10.368 ng/ul

RT: 15.29 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Instrument :

BNA_G

ClientSampleId :

C0AD1

Tot Ion:168 Resp: 97484

Ion Ratio Lower Upper

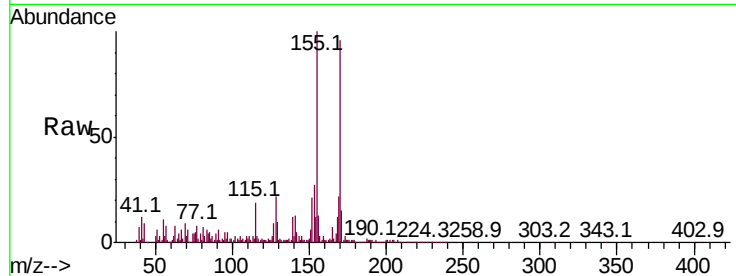
168 100

139 101.9 34.3 51.5#

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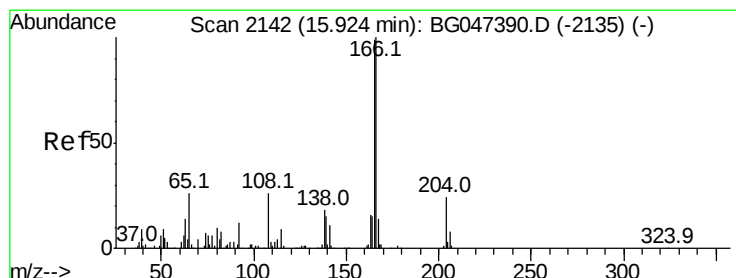
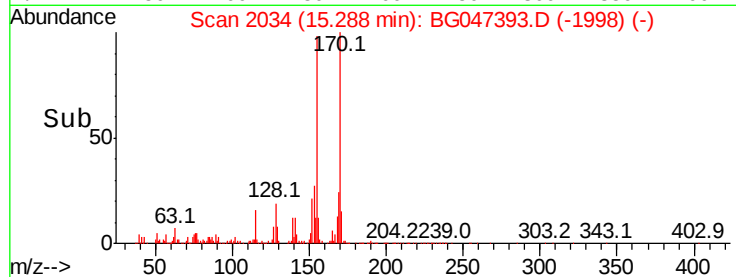
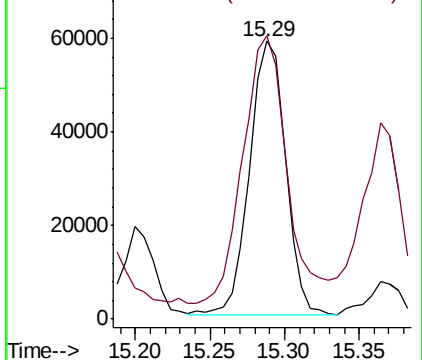
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 17.509 ng/ul

RT: 15.93 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

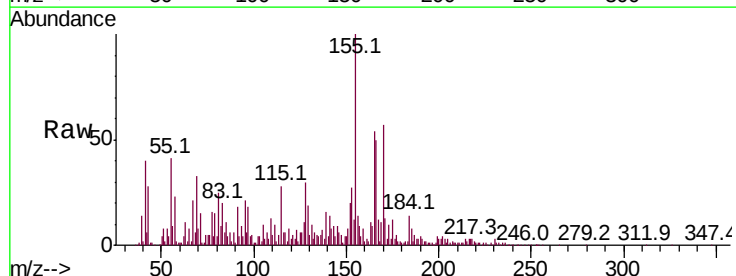
Tgt Ion:166 Resp: 138685

Ion Ratio Lower Upper

166 100

165 108.8 79.0 118.4

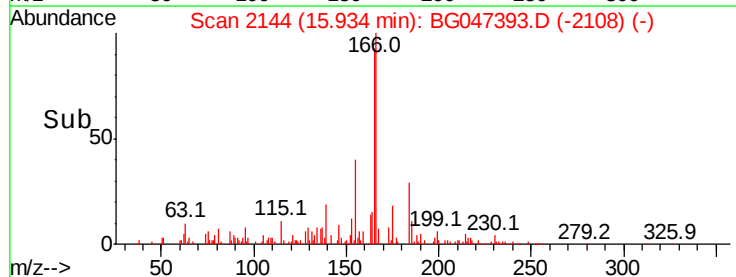
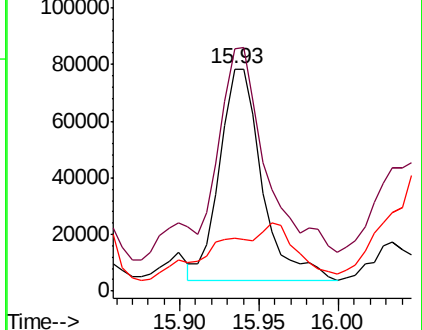
167 23.6 10.4 15.6#

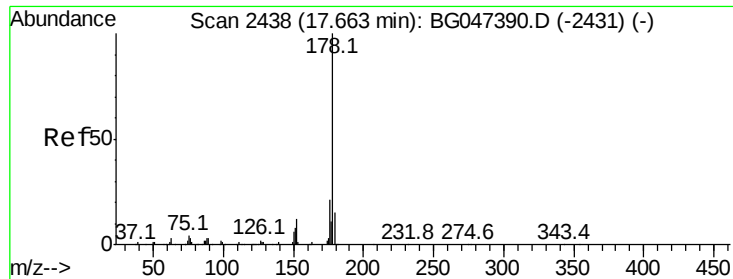


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 117.482 ng/ul

RT: 17.68 min Scan# 2441

Delta R.T. 0.02 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Instrument :

BNA_G

ClientSampled :

C0AD1

Tot Ion:178 Resp: 1270370

Ion Ratio Lower Upper

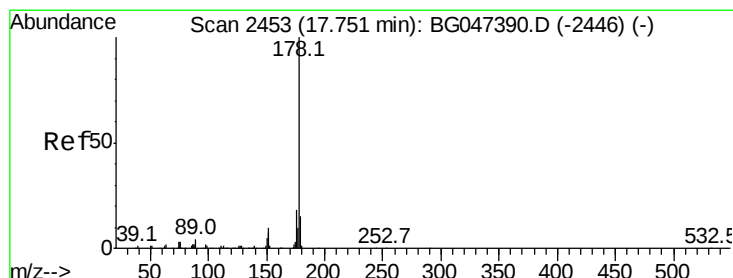
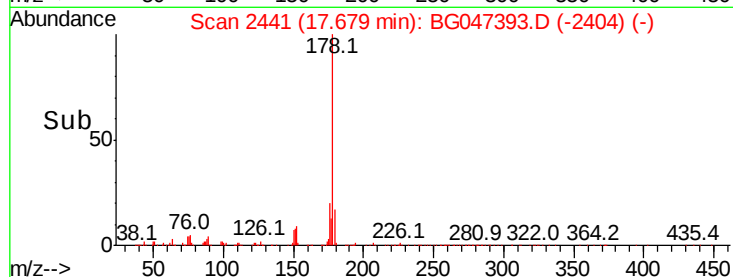
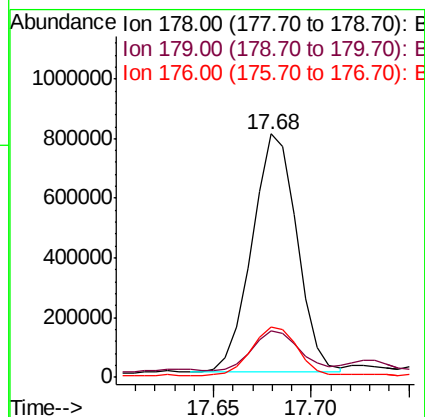
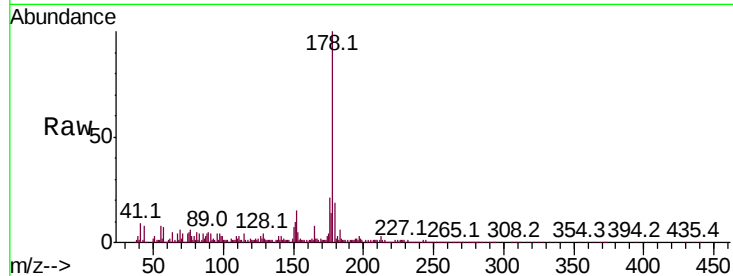
178 100

179 19.2 12.8 19.2#

176 20.6 15.7 23.5

Manual Integrations
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#72

Anthracene

Concen: 12.689 ng/ul

RT: 17.77 min Scan# 2456

Delta R.T. 0.02 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

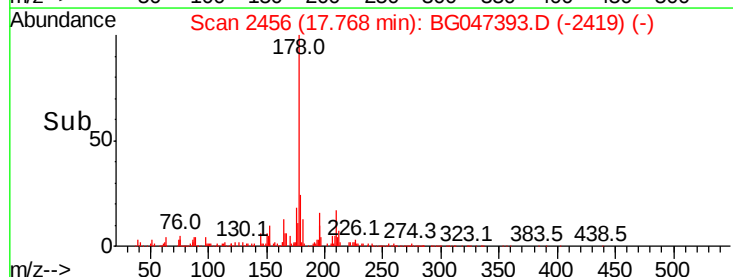
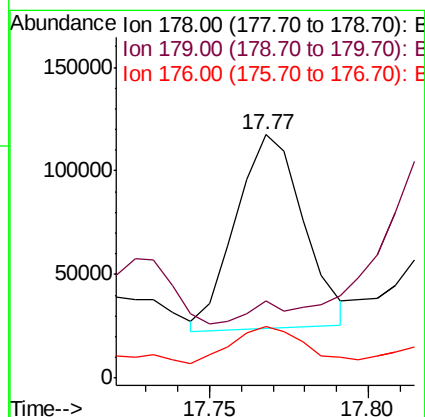
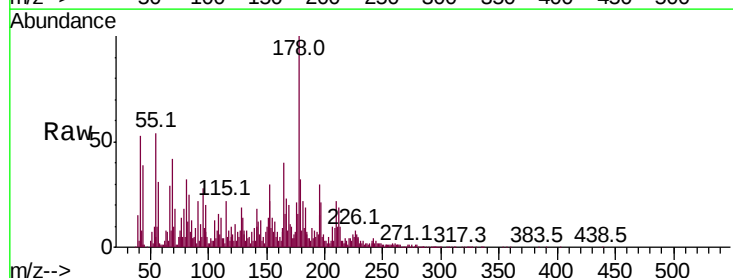
Tgt Ion:178 Resp: 138181

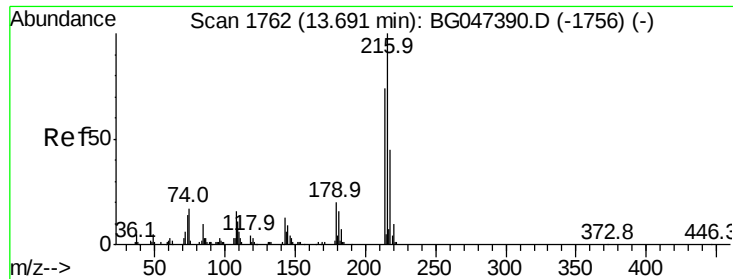
Ion Ratio Lower Upper

178 100

179 31.6 12.2 18.2#

176 21.1 16.2 24.4





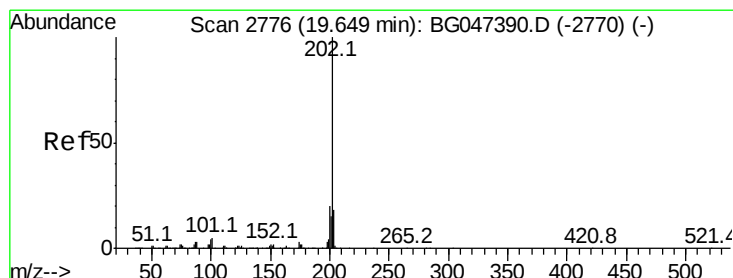
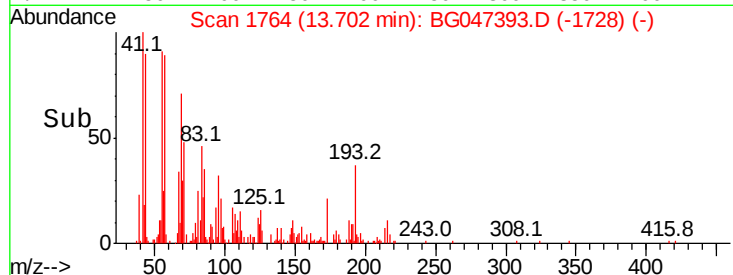
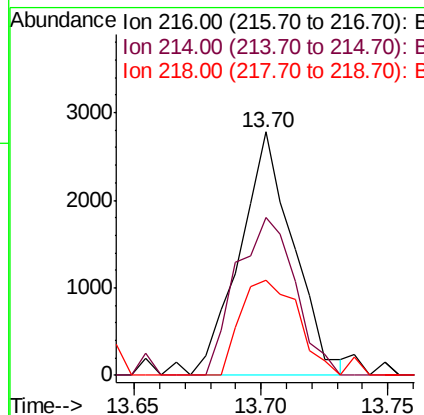
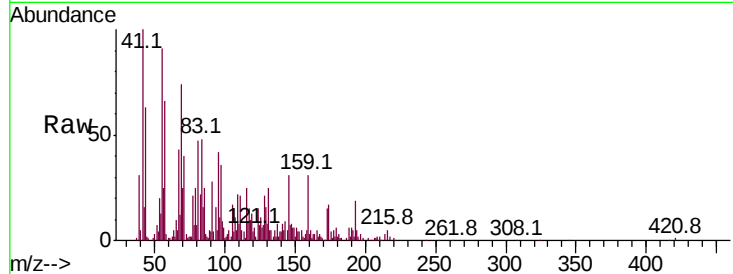
#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 1.296 ng/uL
 RT: 13.70 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: BG047393.D
 Acq: 21 Nov 2020 11:52

Instrument :
 BNA_G
 ClientSampleId :
 C0AD1

Tot Ion	Ratio	Lower	Upper
216	100		
214	64.8	59.0	88.4
218	39.1	38.6	58.0

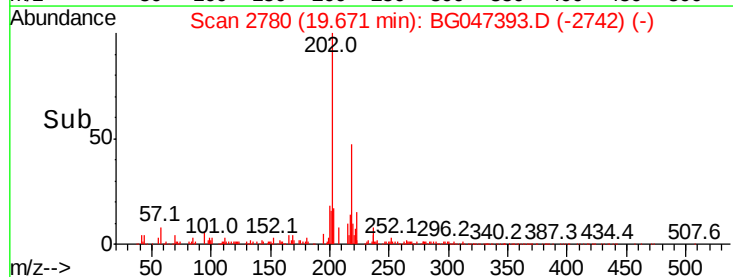
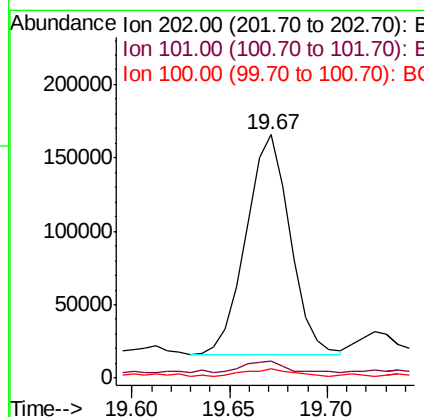
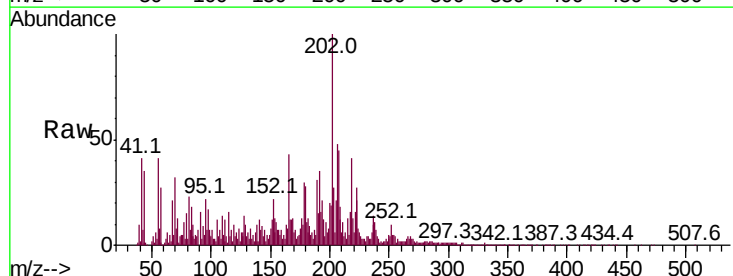
Manual Integrations
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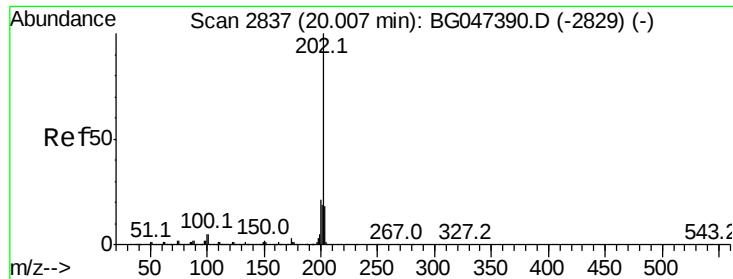
mohammad
 11/24/2020 9:00:16 AM



#77
 Fluoranthene
 Concen: 17.157 ng/uL
 RT: 19.67 min Scan# 2780
 Delta R.T. 0.02 min
 Lab File: BG047393.D
 Acq: 21 Nov 2020 11:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	3.3	4.9#
100	4.0	3.4	5.0





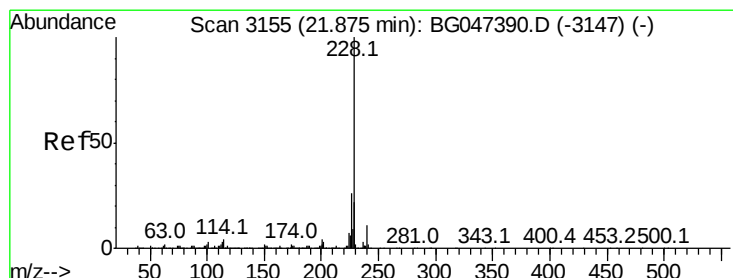
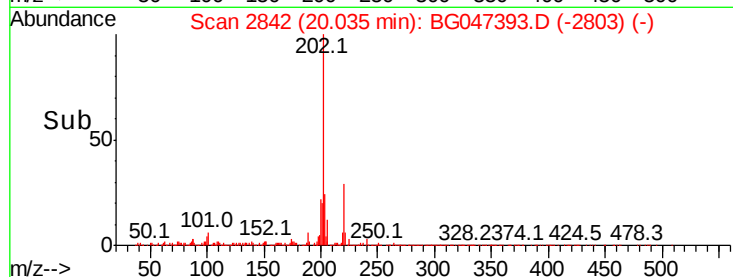
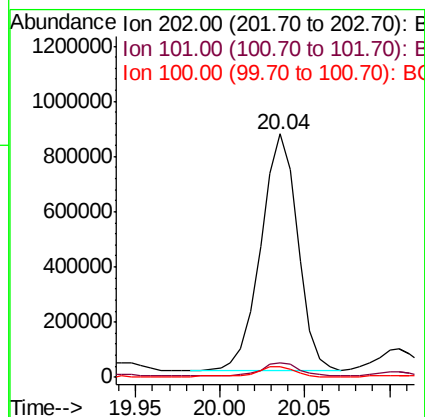
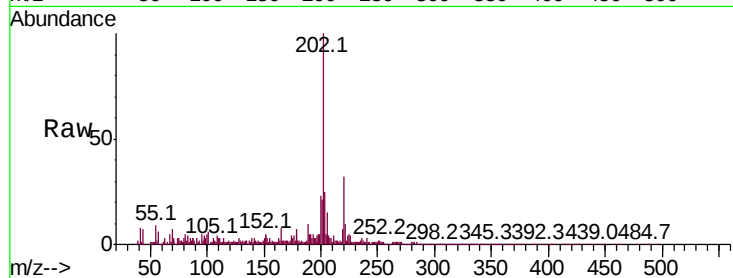
#80
Pvrene
Concen: 81.407 ng/ul
RT: 20.04 min Scan# 2842
Delta R.T. 0.03 min
Lab File: BG047393.D
Acq: 21 Nov 2020 11:52

Instrument :
BNA_G
ClientSampleID :
C0AD1

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.0	5.0	7.4
100	4.5	4.6	7.0#

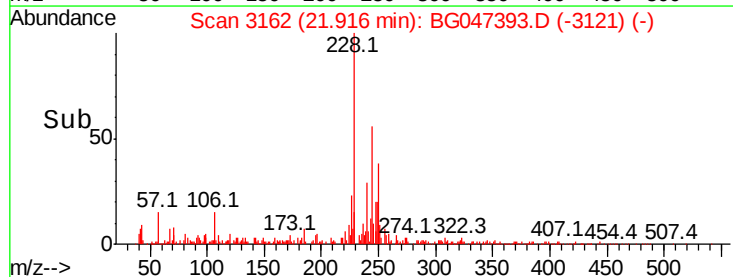
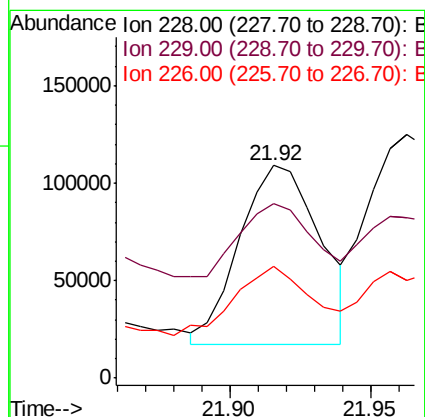
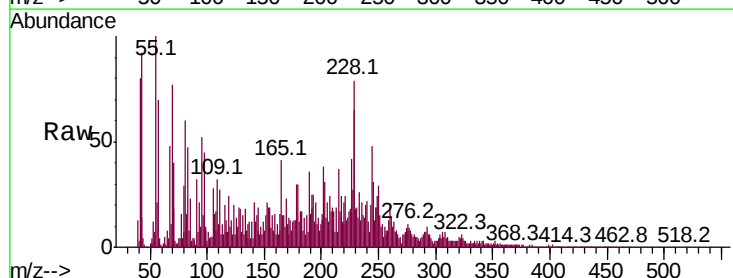
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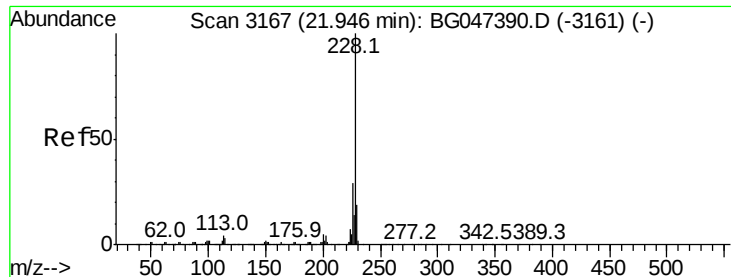
mohammad
11/24/2020 9:00:16 AM



#83
Benzo(a)anthracene
Concen: 11.319 ng/ul
RT: 21.92 min Scan# 3162
Delta R.T. 0.04 min
Lab File: BG047393.D
Acq: 21 Nov 2020 11:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	82.1	16.2	24.2#
226	52.9	23.3	34.9#





#85

Chrysene

Concen: 14.279 ng/ul

RT: 21.99 min Scan# 3174

Delta R.T. 0.04 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Instrument :

BNA_G

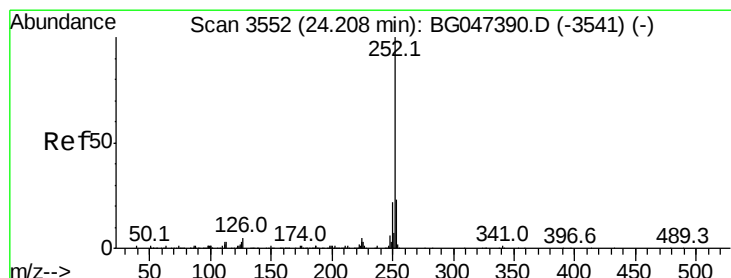
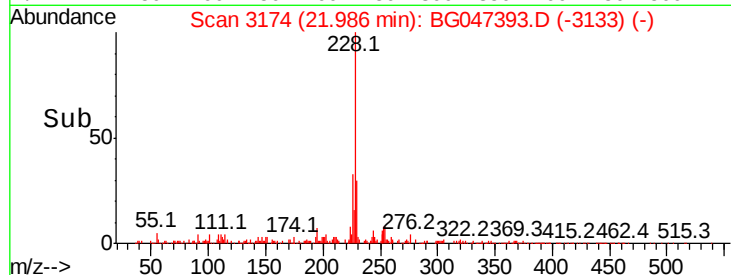
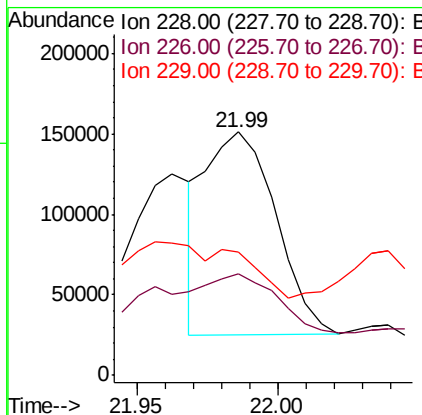
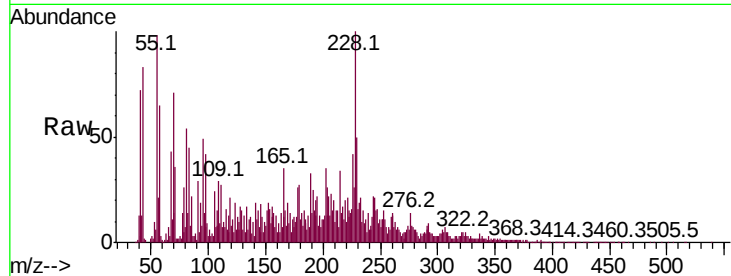
ClientSampleId :

C0AD1

Tot Ion:	228	Resp:	217866
Ion Ratio	Lower	Upper	
228	100		
226	41.9	23.8	35.6#
229	50.4	16.3	24.5#

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#88

Benzo(b)fluoranthene

Concen: 5.843 ng/ul m

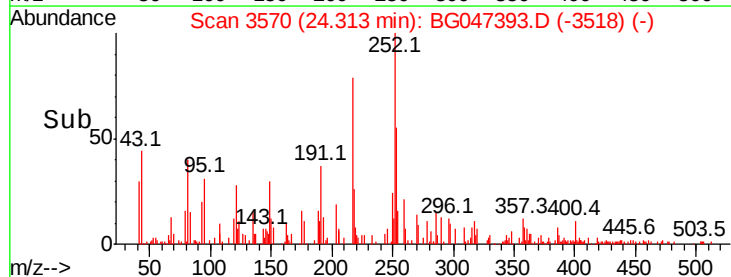
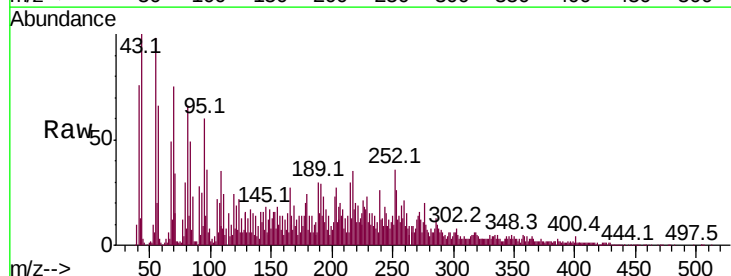
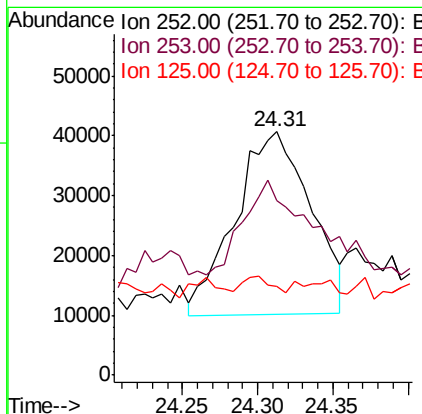
RT: 24.31 min Scan# 3570

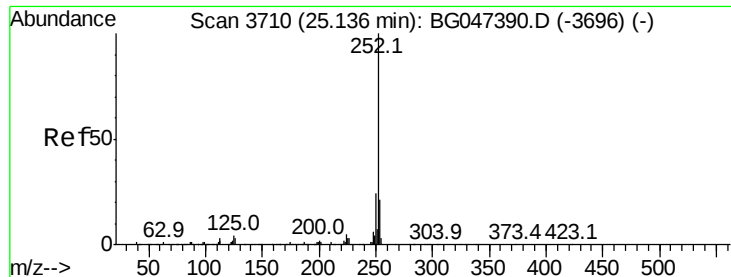
Delta R.T. 0.10 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Tgt Ion:	252	Resp:	106696
Ion Ratio	Lower	Upper	
252	100		
253	71.9	18.4	27.6#
125	36.7	2.5	3.7#





#91

Benzo(a)pyrene

Concen: 8.013 ng/ul m

RT: 25.26 min Scan# 3731

Delta R.T. 0.12 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Instrument :

BNA_G

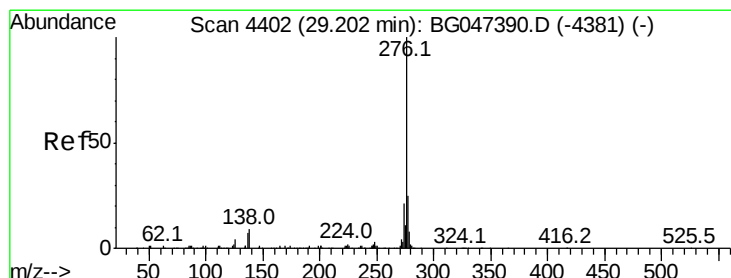
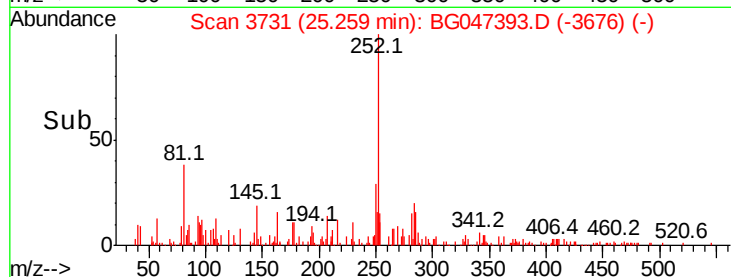
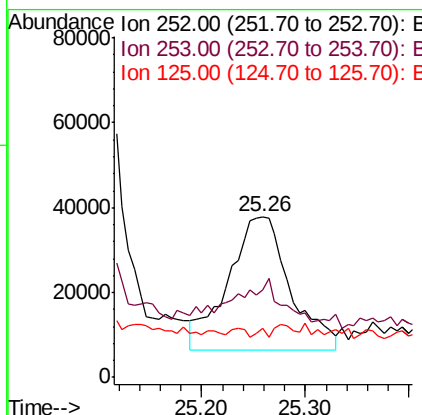
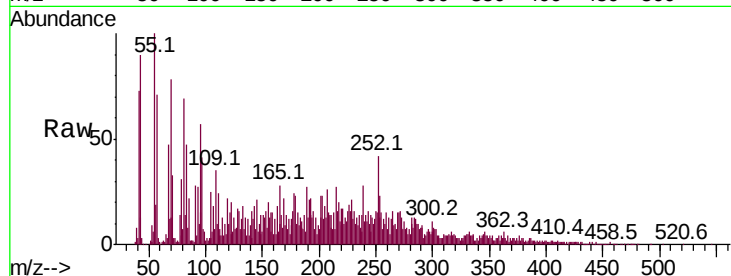
ClientSampleId :

C0AD1

Tot Ion:	252	Resp:	130440
Ion Ratio	Lower	Upper	
252	100		
253	54.3	17.5	26.3#
125	30.8	3.1	4.7#

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#92

Indeno(1,2,3-cd)pyrene

Concen: 2.167 ng/ul m

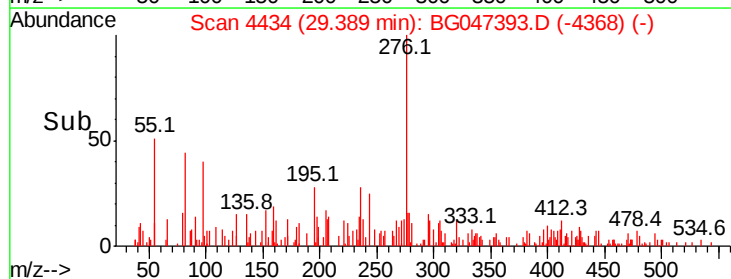
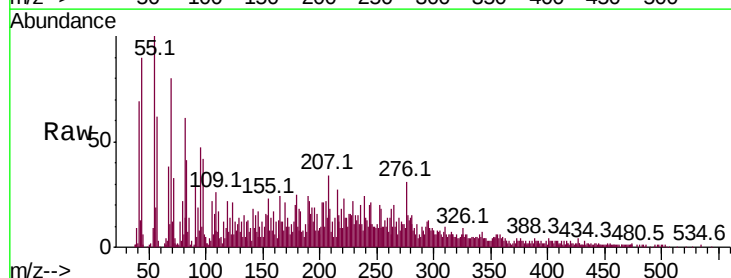
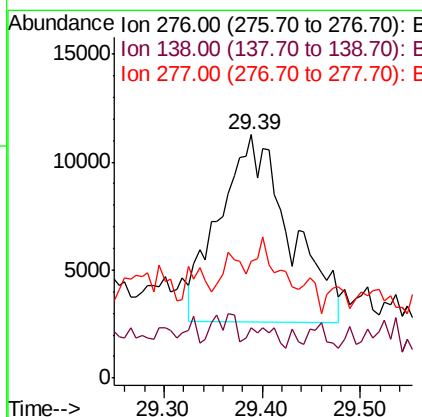
RT: 29.39 min Scan# 4434

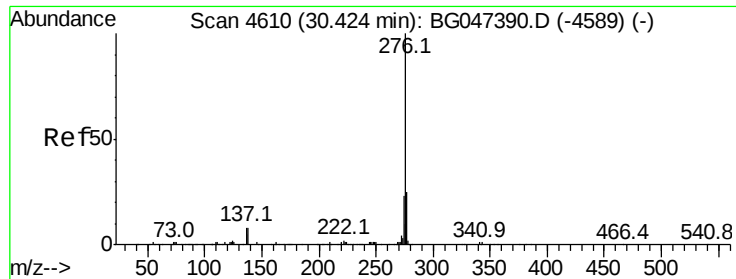
Delta R.T. 0.19 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Tgt Ion:	276	Resp:	42916
Ion Ratio	Lower	Upper	
276	100		
138	20.9	7.5	11.3#
277	47.8	19.9	29.9#





#94

Benzo(a,h,i)perylene

Concen: 4.525 ng/ul m

RT: 30.65 min Scan# 4648

Delta R.T. 0.22 min

Lab File: BG047393.D

Acq: 21 Nov 2020 11:52

Instrument :

BNA_G

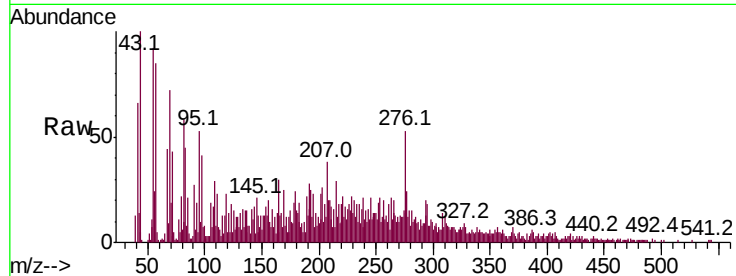
ClientSampleId :

C0AD1

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.9	8.2	12.2#
277	44.6	17.5	26.3#

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

