

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047331.D
 Acq On : 16 Nov 2020 15:35
 Operator : CG/JU
 Sample : L4762-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC2

Manual Integrations
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 11/17/2020 4:09:53 PM

Quant Time: Nov 16 16:20:06 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	8.01	152	59440	20.00	ng/ul	0.01
18) Naphthalene-d8	10.83	136	215527	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.67	164	169090	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.43	188	307494	20.00	ng/ul	0.03
78) Chrysene-d12	21.71	240	372460	20.00	ng/ul	0.06
86) Perylene-d12	25.02	264	372377m	20.00	ng/ul	0.18

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	5195	3.53	ng/uL	0.01
5) Phenol-d5	7.18	99	120530	23.36	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.34	67	69206	23.32	ng/ul	0.02
9) 2-Chlorophenol-d4	7.54	132	99147	24.72	ng/ul	0.01
13) 4-Methylphenol-d8	8.73	113	92833	22.55	ng/ul	0.02
19) Nitrobenzene-d5	9.18	128	52261	28.93	ng/ul	0.01
22) 2-Nitrophenol-d4	9.91	143	49757	23.58	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.45	165	105652	25.66	ng/ul	0.02
29) 4-Chloroaniline-d4	10.95	131	410364	116.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	302190	21.74	ng/ul	0.02
47) Acenaphthylene-d8	14.37	160	342867	20.84	ng/ul	0.03
52) 4-Nitrophenol-d4	14.88	143	92882	42.44	ng/ul	0.04
58) Fluorene-d10	15.66	176	267471	20.72	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	15.76	200	18703	8.82	ng/ul	0.01
71) Anthracene-d10	17.53	188	391361	26.26	ng/ul	0.04
79) Pyrene-d10	19.81	212	469780	22.11	ng/ul	0.04
90) Benzo(a)pyrene-d12	24.79	264	485008m	23.69	ng/ul	0.16

Target Compounds

				Ovalue	
24) 2,4-Dimethylphenol	10.04	107	22740m	5.169	ng/ul
28) Naphthalene	10.88	128	497980	41.128	ng/ul# 92
34) 2-Methylnaphthalene	12.50	142	2225157	257.586	ng/ul 98
41) 1,1'-Biphenyl	13.50	154	266946	20.010	ng/ul 94
45) Dimethylphthalate	14.11	163	127680	9.151	ng/ul# 72
48) Acenaphthylene	14.40	152	122773	7.979	ng/ul# 1
50) Acenaphthene	14.73	153	346408	31.115	ng/ul 91
54) Dibenzofuran	15.07	168	324073	20.002	ng/ul# 25
59) Fluorene	15.72	166	447835	33.675	ng/ul# 87
70) Phenanthrene	17.48	178	3369968	195.402	ng/ul# 80
72) Anthracene	17.56	178	408881	23.591	ng/ul# 83
75) Carbazole	17.83	167	43836	3.293	ng/ul# 1
77) Fluoranthene	19.48	202	491888	23.697	ng/ul# 96
80) Pyrene	19.85	202	2380967	93.414	ng/ul# 94
83) Benzo(a)anthracene	21.69	228	340552	13.497	ng/ul# 32
85) Chrysene	21.76	228	731445	30.131	ng/ul# 67
88) Benzo(b)fluoranthene	23.97	252	204854m	8.282	ng/ul
89) Benzo(k)fluoranthene	24.03	252	35868m	1.496	ng/ul
91) Benzo(a)pyrene	24.87	252	203653m	9.143	ng/ul
92) Indeno(1,2,3-cd)pyrene	28.77	276	52216m	1.886	ng/ul
94) Benzo(a,h,i)perylene	29.92	276	85316m	3.688	ng/ul

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

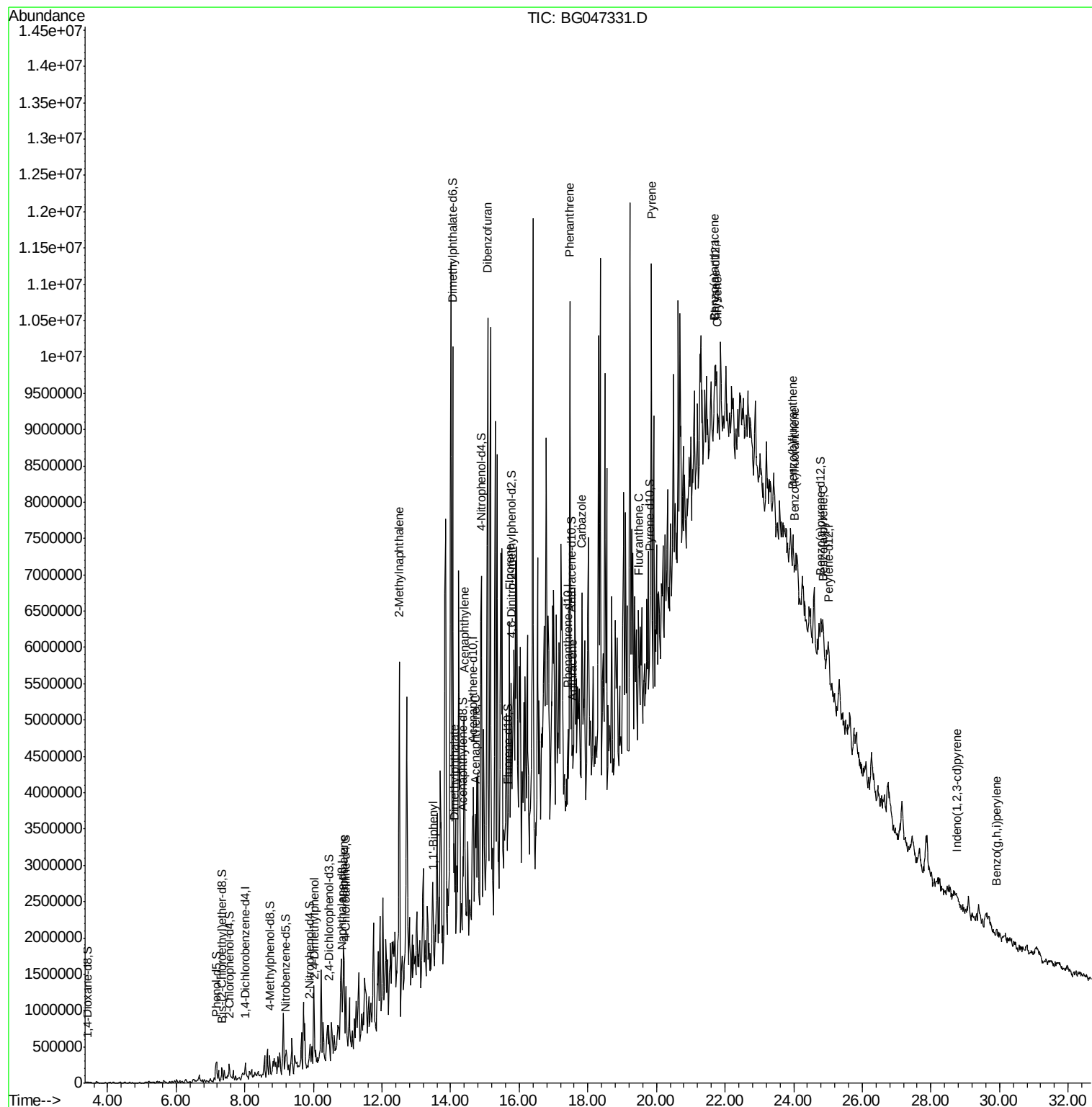
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
Data File : BG047331.D
Acq On : 16 Nov 2020 15:35
Operator : CG/JU
Sample : L4762-05
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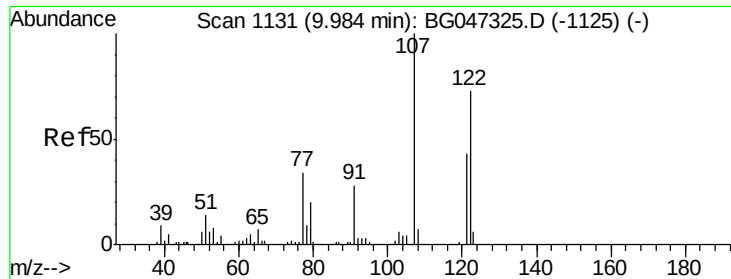
Instrument :
BNA_G
ClientSampleId :
C0AC2

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#24

2,4-Dimethylphenol

Concen: 5.169 ng/ul m

RT: 10.04 min Scan# 1140

Delta R.T. 0.05 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Instrument :

BNA_G

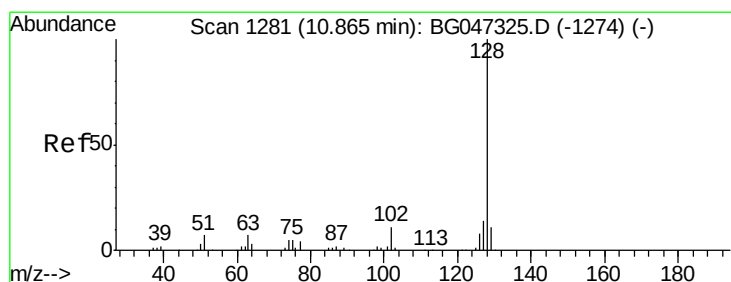
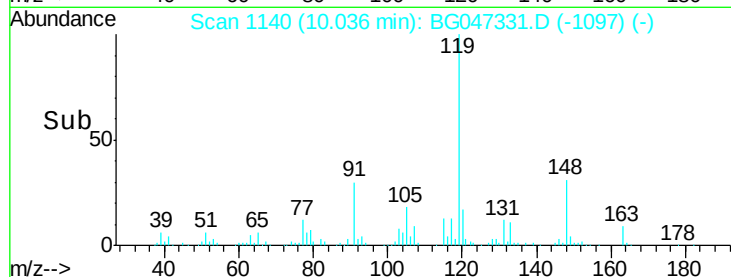
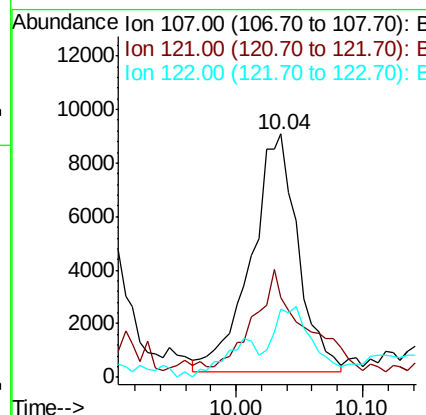
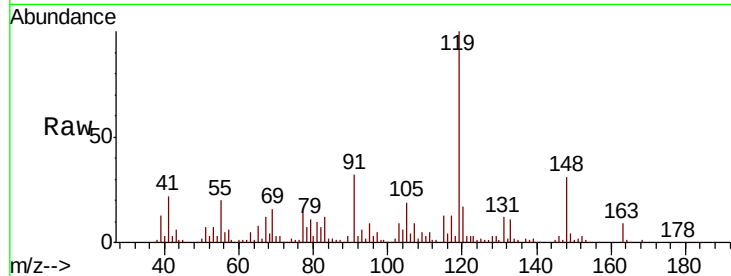
ClientSampleId :

C0AC2

Tot Ion:	107	Resp:	22740
Ion Ratio	Lower	Upper	
107	100		
121	33.0	40.4	60.6#
122	27.9	63.0	94.4#

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#28

Naphthalene

Concen: 41.128 ng/ul

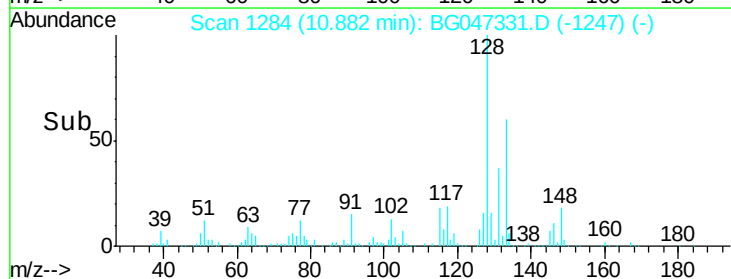
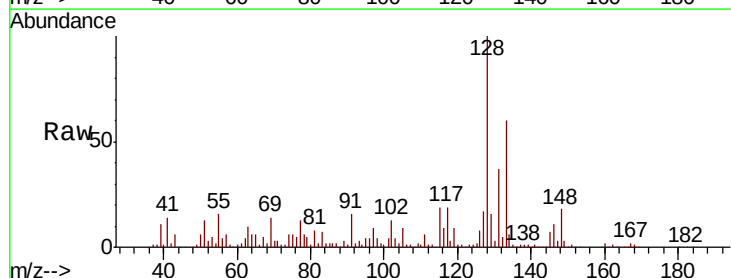
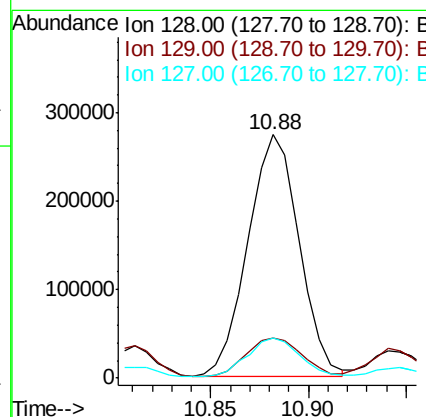
RT: 10.88 min Scan# 1284

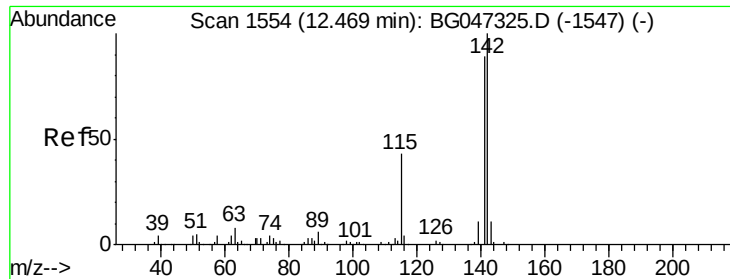
Delta R.T. 0.02 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Tgt Ion:	128	Resp:	497980
Ion Ratio	Lower	Upper	
128	100		
129	16.3	9.4	14.2#
127	16.6	11.5	17.3





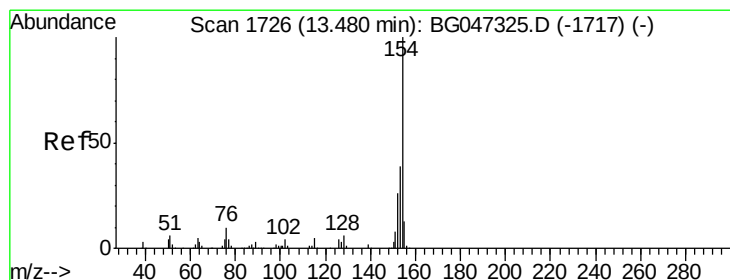
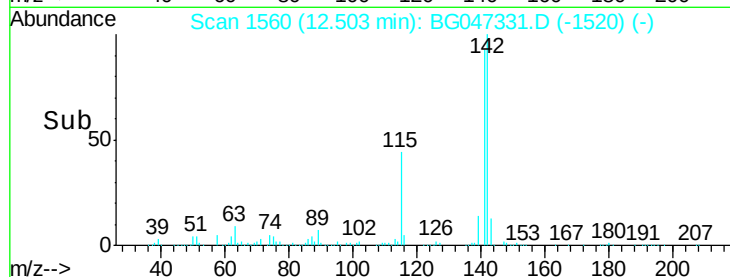
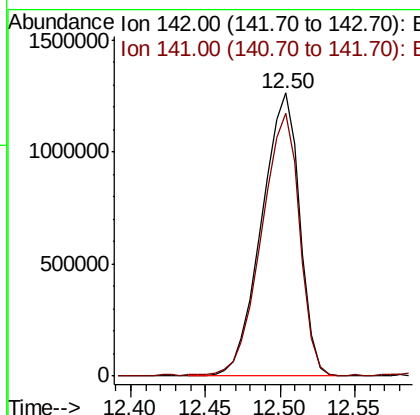
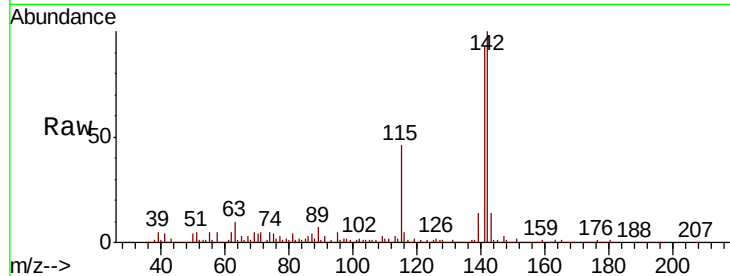
#34
 2-Methylnaphthalene
 Concen: 257.586 ng/ul
 RT: 12.50 min Scan# 1560
 Delta R.T. 0.03 min
 Lab File: BG047331.D
 Acq: 16 Nov 2020 15:35

Instrument :
 BNA_G
 ClientSampled :
 C0AC2

Tot Ion:142 Resp: 2225157
 Ion Ratio Lower Upper
 142 100
 141 92.8 72.4 108.6

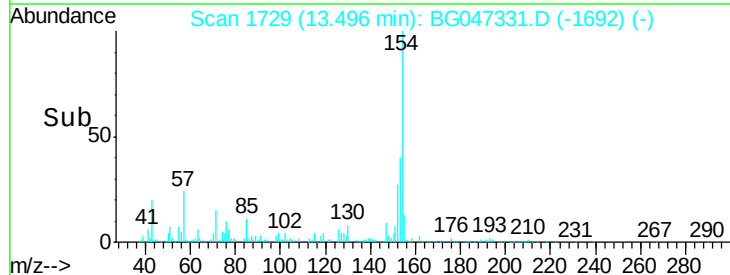
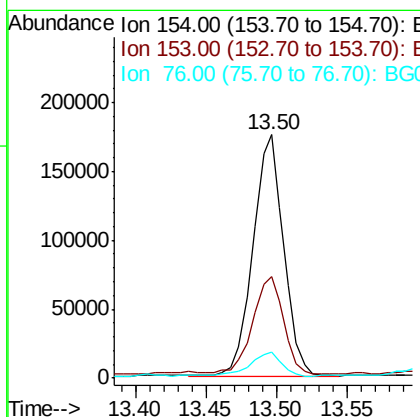
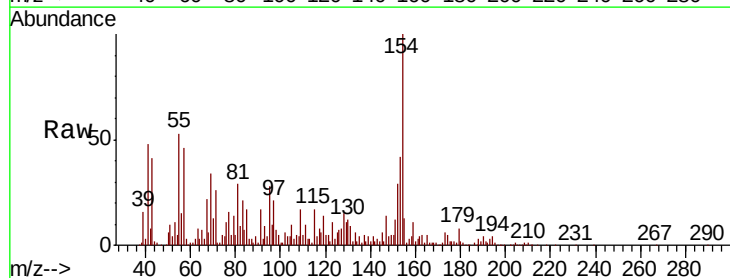
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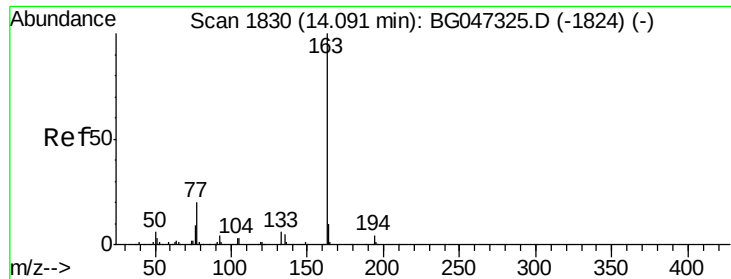
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#41
 1,1'-Biphenyl
 Concen: 20.010 ng/ul
 RT: 13.50 min Scan# 1729
 Delta R.T. 0.02 min
 Lab File: BG047331.D
 Acq: 16 Nov 2020 15:35

Tgt Ion:154 Resp: 266946
 Ion Ratio Lower Upper
 154 100
 153 41.8 30.2 45.4
 76 10.9 7.8 11.6





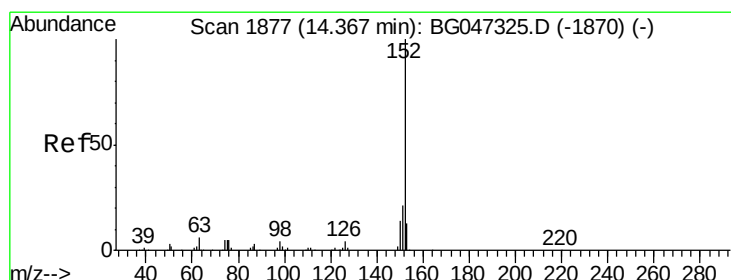
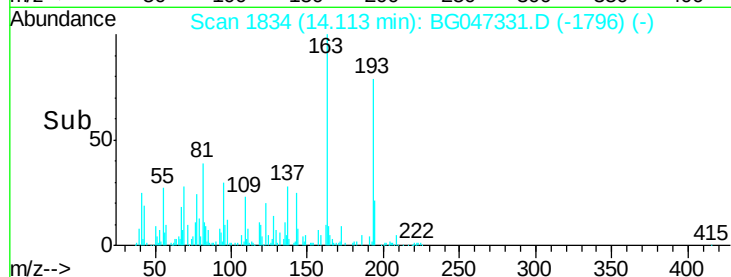
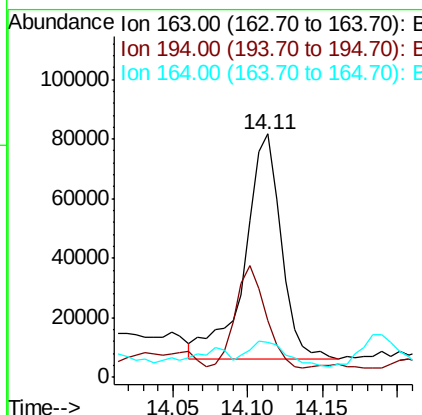
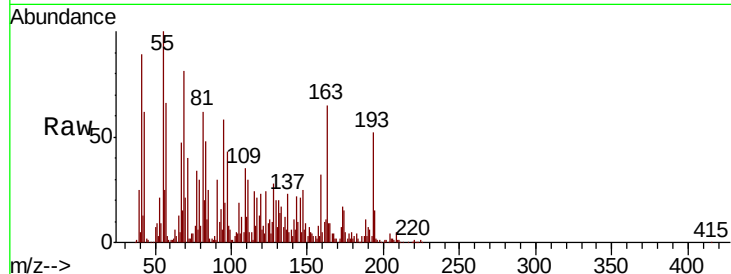
#45
Dimethylphthalate
Concen: 9.151 ng/ul
RT: 14.11 min Scan# 1834
Delta R.T. 0.02 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Instrument :
BNA_G
ClientSampled :
C0AC2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	127680		
194	23.4	3.4	5.0#	
164	14.2	7.2	10.8#	

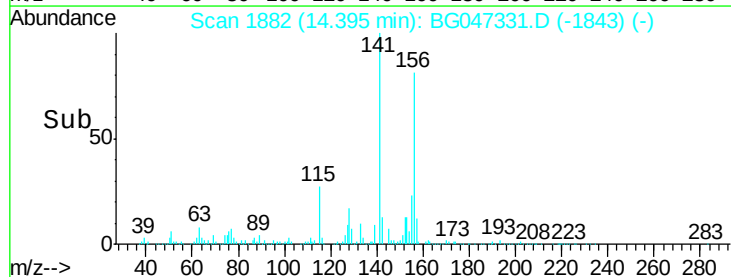
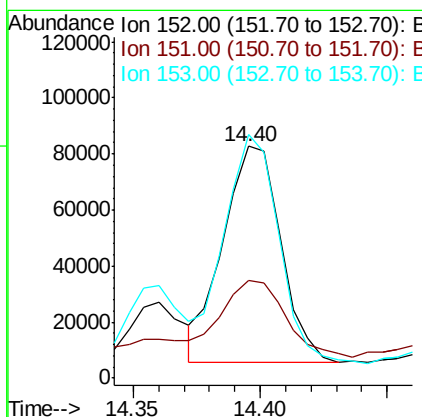
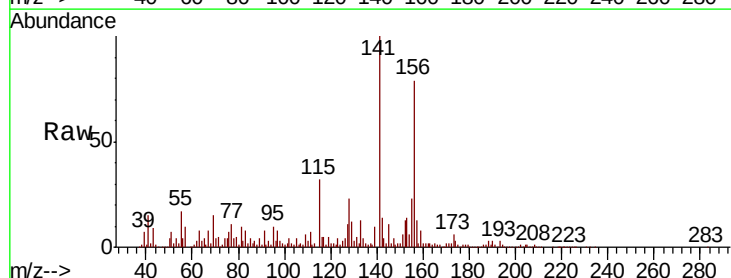
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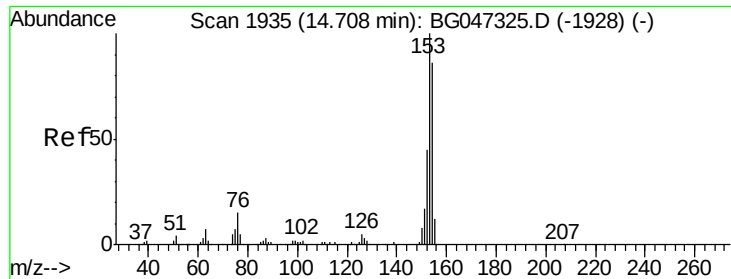
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#48
Acenaphthylene
Concen: 7.979 ng/ul
RT: 14.40 min Scan# 1882
Delta R.T. 0.03 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	122773		
151	42.3	17.4	26.2#	
153	105.1	10.2	15.4#	





#50

Acenaphthene

Concen: 31.115 ng/ul

RT: 14.73 min Scan# 1939

Delta R.T. 0.02 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Instrument :

BNA_G

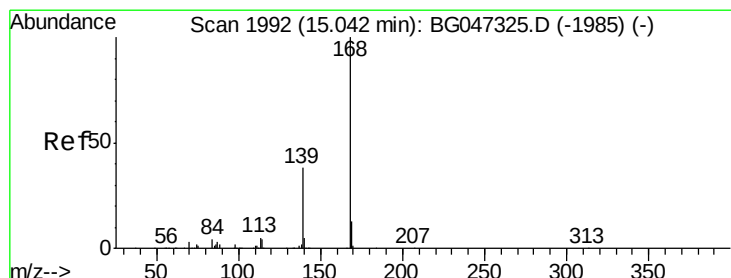
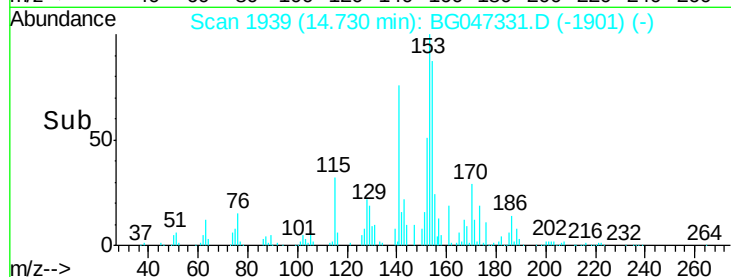
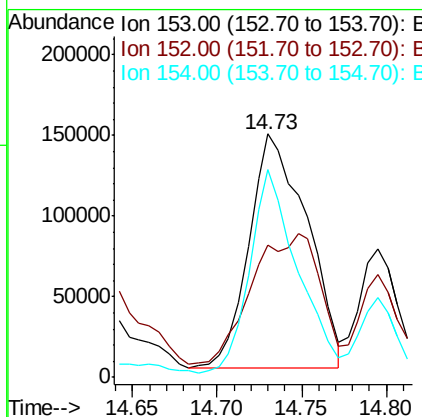
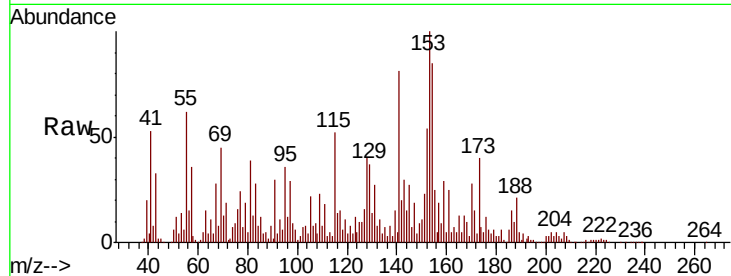
ClientSampleId :

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Tot Ion:	153	Resp:	346408
Ion Ratio	Lower	Upper	
153	100		
152	54.3	37.0	55.4
154	85.4	74.0	111.0

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#54

Dibenzofuran

Concen: 20.002 ng/ul

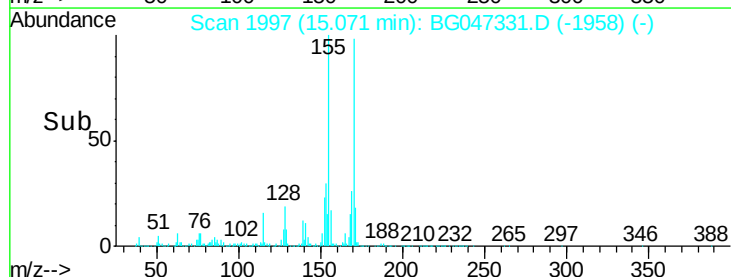
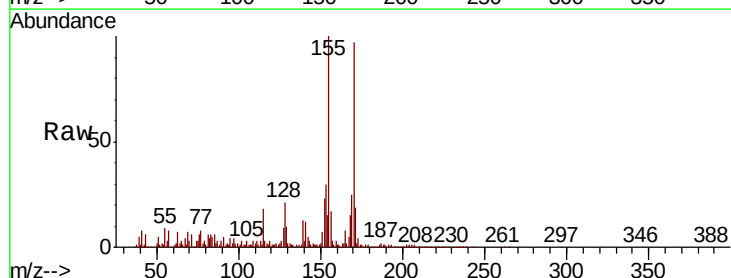
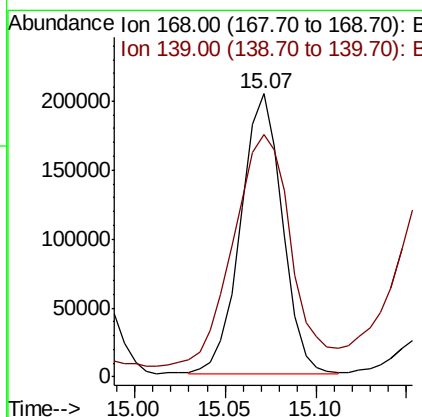
RT: 15.07 min Scan# 1997

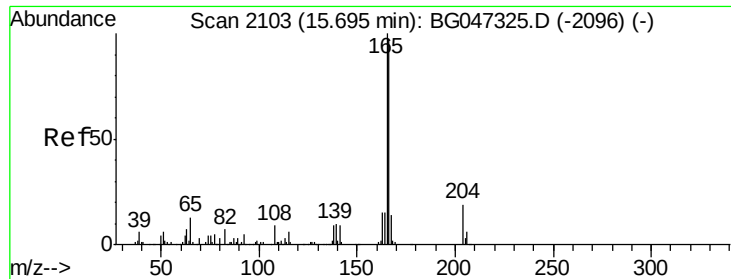
Delta R.T. 0.03 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Tgt Ion:	168	Resp:	324073
Ion Ratio	Lower	Upper	
168	100		
139	85.6	31.5	47.3#





#59

Fluorene

Concen: 33.675 ng/ul

RT: 15.72 min Scan# 2108

Delta R.T. 0.03 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Instrument :

BNA_G

ClientSampleId :

C0AC2

Tot Ion:166 Resp: 447835

Ion Ratio Lower Upper

166 100

165 107.7 76.2 114.4

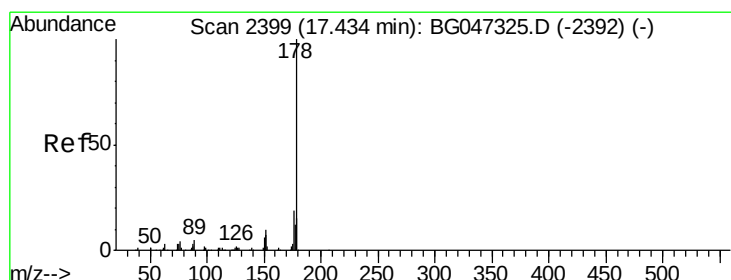
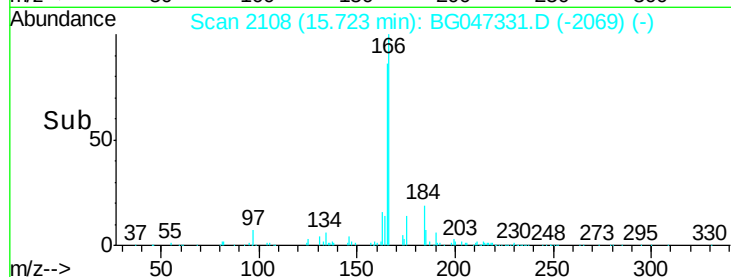
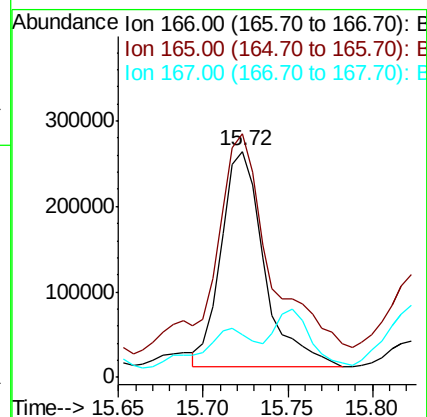
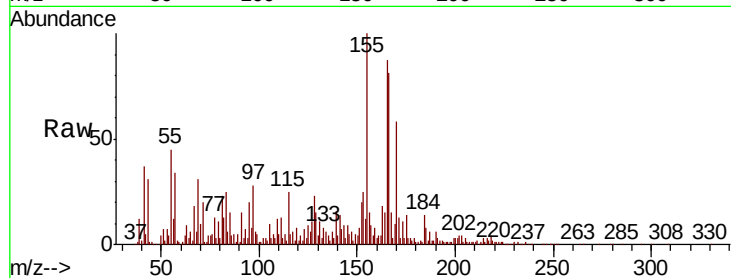
167 19.1 10.4 15.6#

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#70

Phenanthrene

Concen: 195.402 ng/ul

RT: 17.48 min Scan# 2407

Delta R.T. 0.05 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

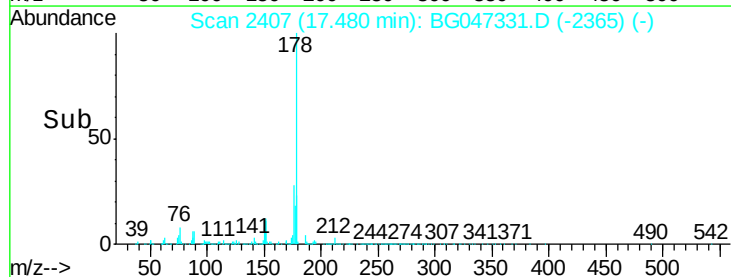
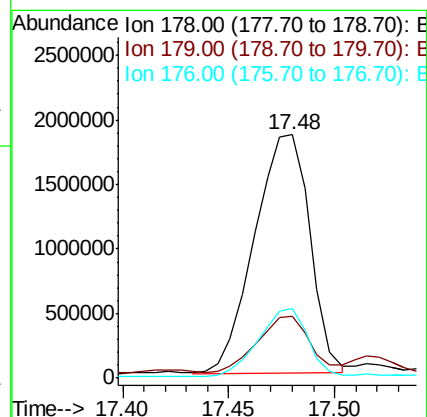
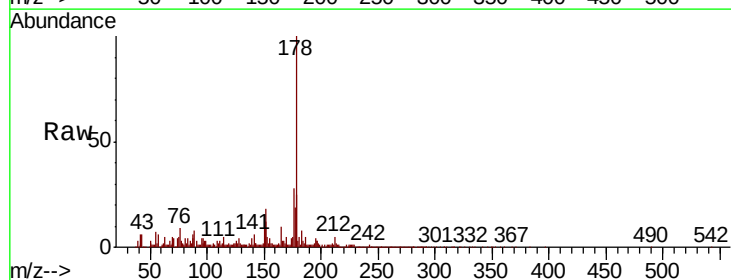
Tgt Ion:178 Resp: 3369968

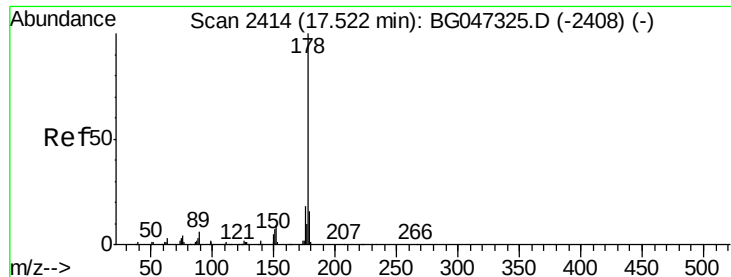
Ion Ratio Lower Upper

178 100

179 25.3 12.2 18.4#

176 28.3 16.5 24.7#





#72

Anthracene

Concen: 23.591 ng/ul

RT: 17.56 min Scan# 2421

Delta R.T. 0.04 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Instrument :

BNA_G

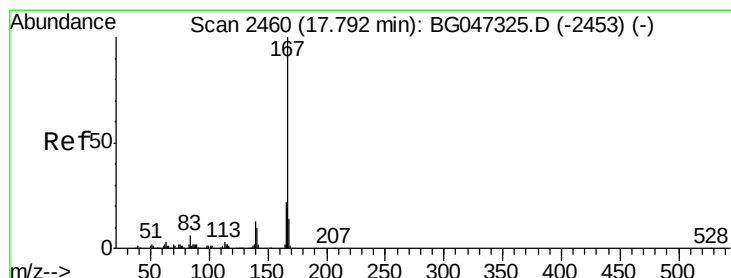
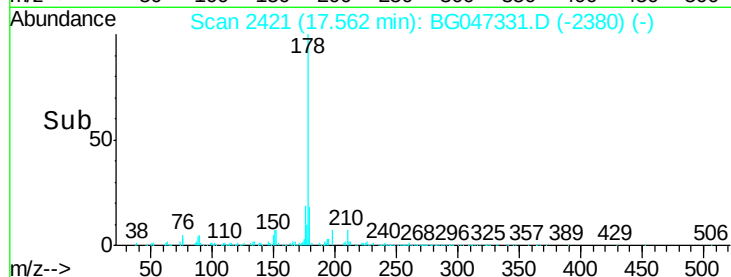
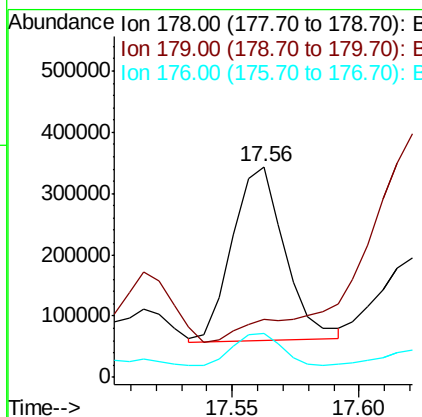
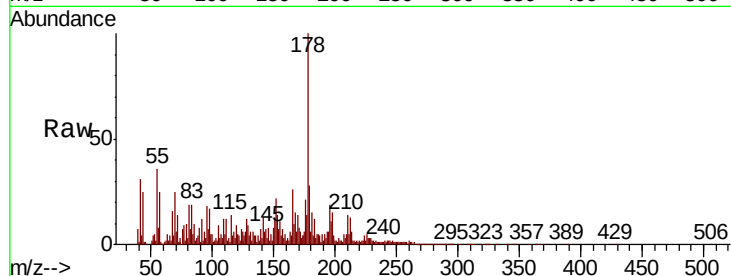
ClientSampleId :

C0AC2

Tot Ion:	178	Resp:	408881
Ion Ratio	Lower	Upper	
178	100		
179	27.6	12.4	18.6#
176	20.9	14.4	21.6

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#75

Carbazole

Concen: 3.293 ng/ul

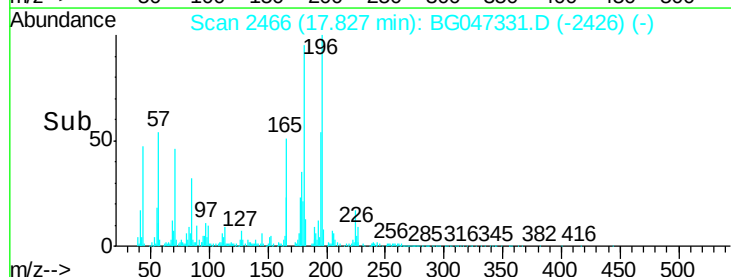
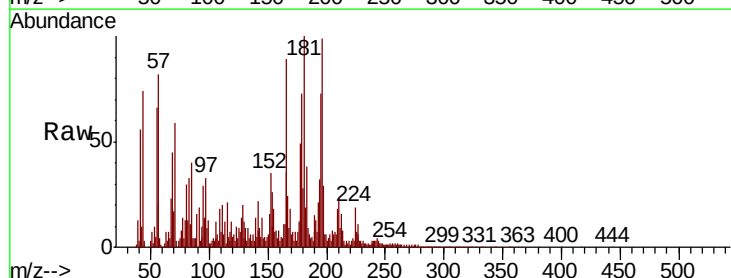
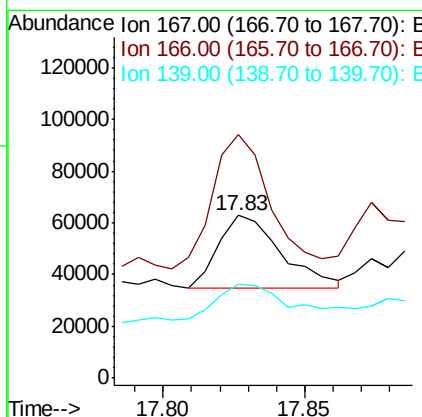
RT: 17.83 min Scan# 2466

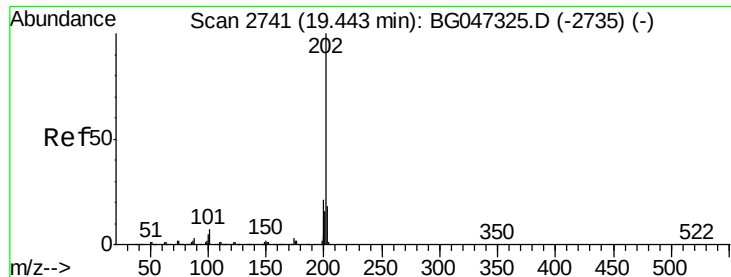
Delta R.T. 0.03 min

Lab File: BG047331.D

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Tgt Ion:	167	Resp:	43836
Ion Ratio	Lower	Upper	
167	100		
166	149.7	17.4	26.0#
139	57.4	10.5	15.7#





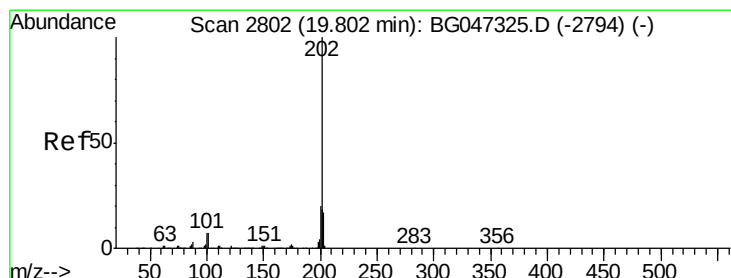
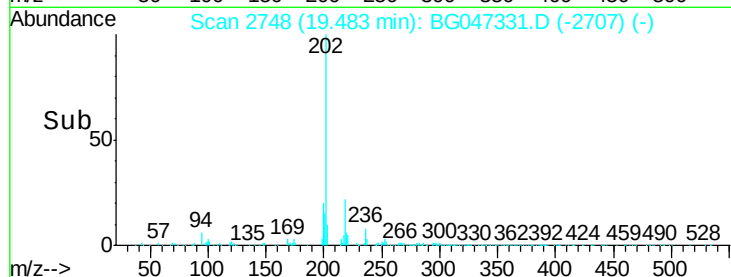
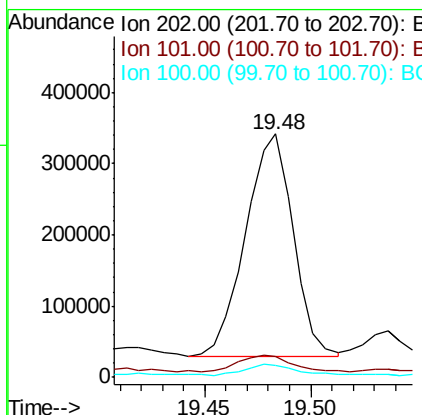
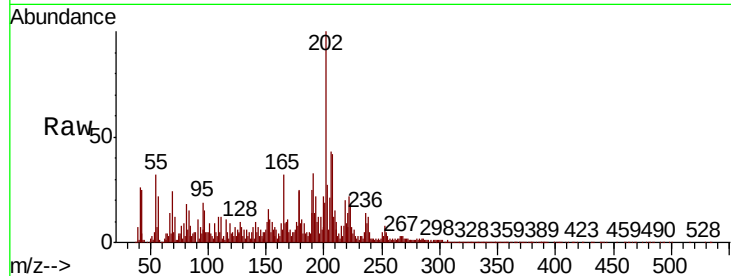
#77
Fluoranthene
Concen: 23.697 ng/ul
RT: 19.48 min Scan# 2748
Delta R.T. 0.04 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Instrument :
BNA_G
ClientSampleId :
C0AC2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	491888		
101	8.7	5.0	7.6#	
100	5.1	4.2	6.2	

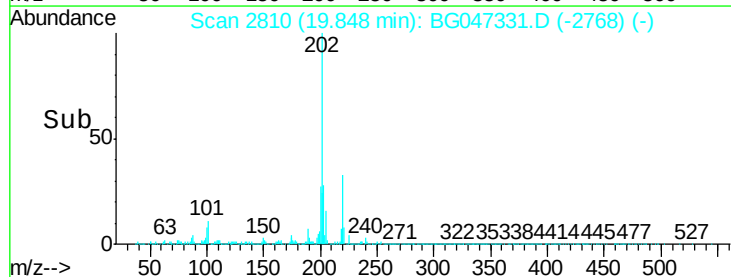
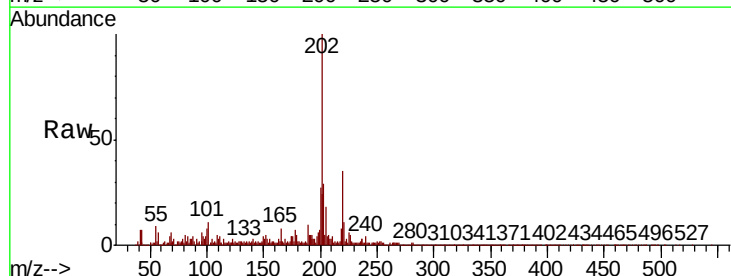
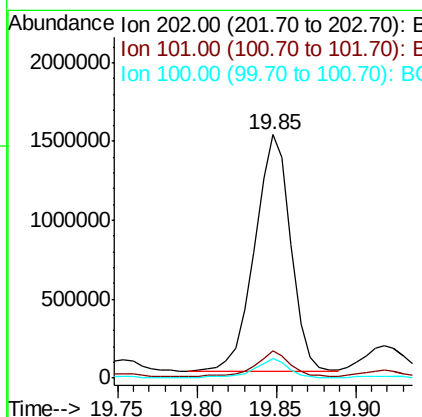
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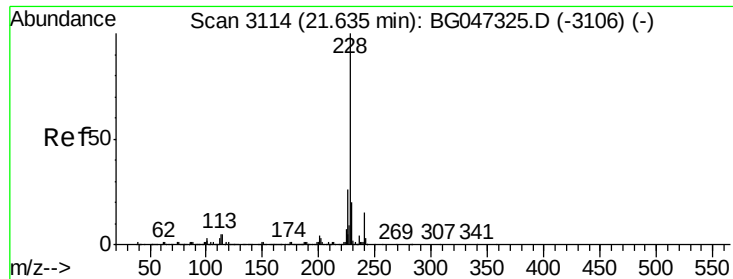
mohammad
11/17/2020 4:09:53 PM



#80
Pyrene
Concen: 93.414 ng/ul
RT: 19.85 min Scan# 2810
Delta R.T. 0.05 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2380967		
101	11.0	6.5	9.7#	
100	8.0	5.7	8.5	





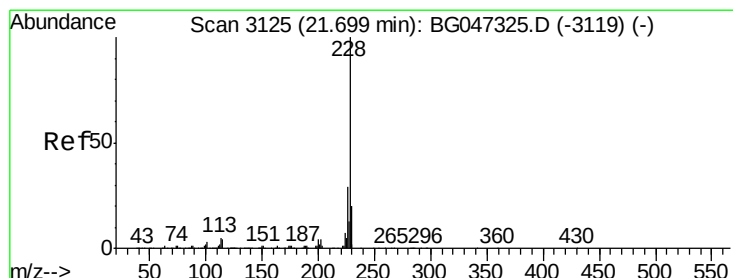
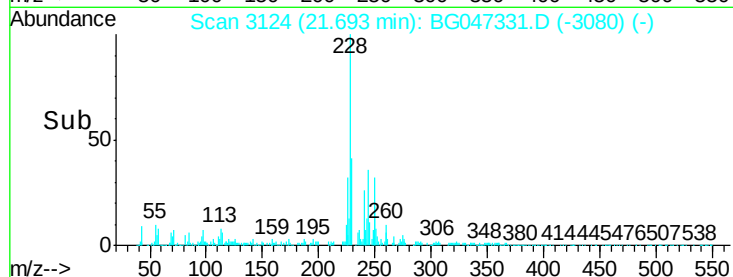
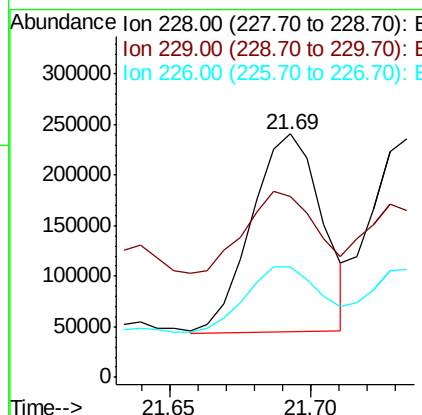
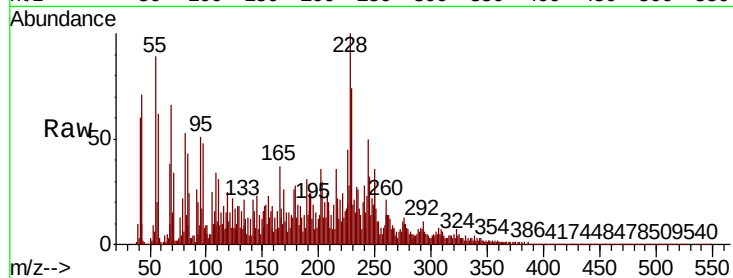
#83
Benzo(a)anthracene
Concen: 13.497 ng/ul
RT: 21.69 min Scan# 3124
Delta R.T. 0.06 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Instrument :
BNA_G
ClientSampleId :
C0AC2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
229	74.3	15.1	22.7#		
226	45.4	22.7	34.1#		

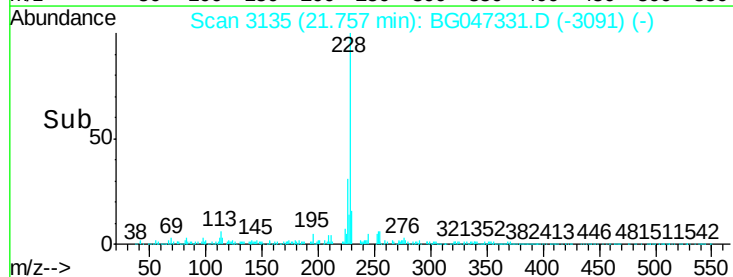
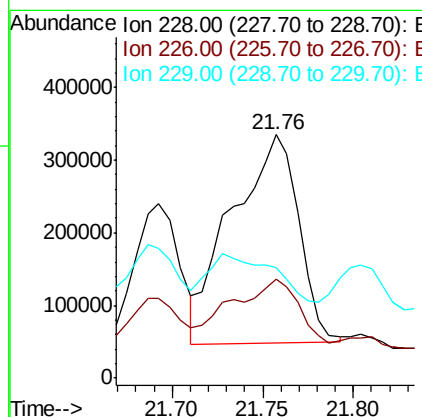
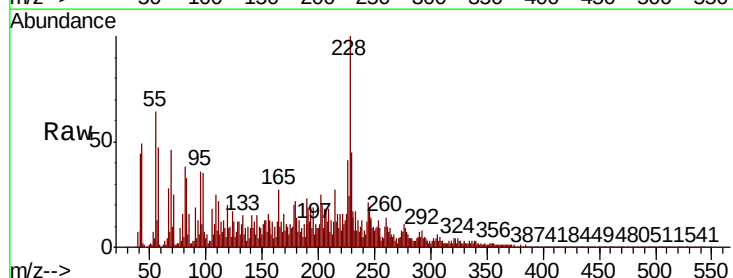
Manual Integrations
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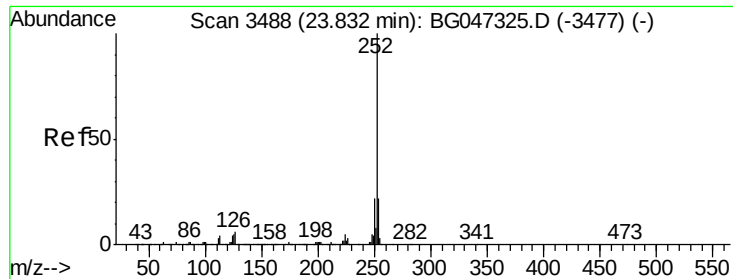
mohammad
11/17/2020 4:09:53 PM



#85
Chrysene
Concen: 30.131 ng/ul
RT: 21.76 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	40.8	24.6	36.8#		
229	45.3	15.8	23.8#		





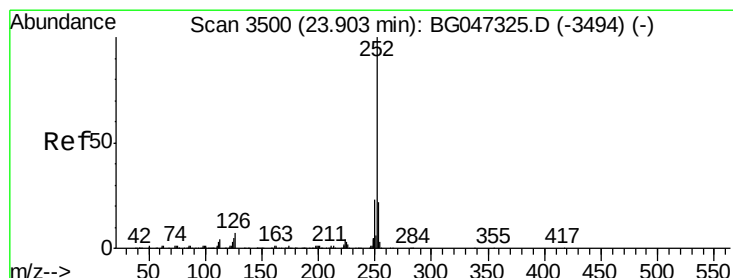
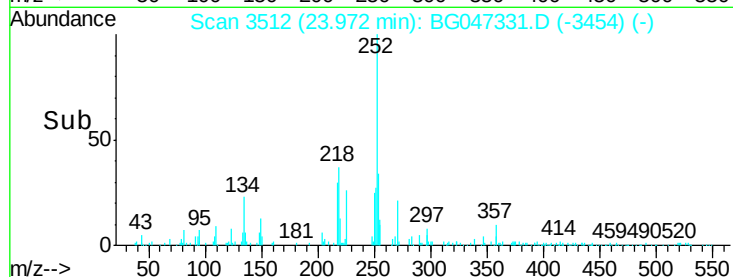
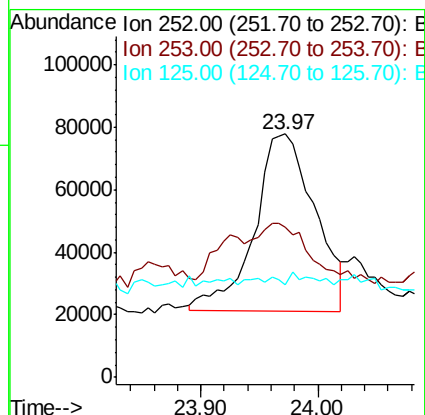
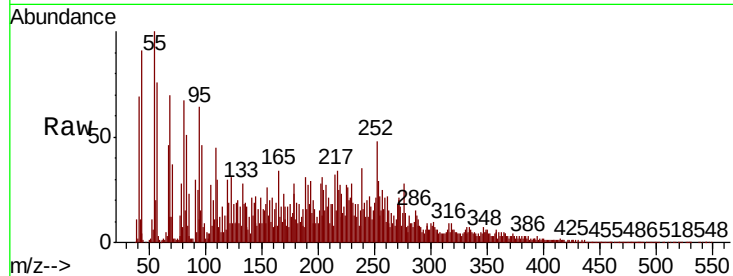
#88
Benzo(b)fluoranthene
Concen: 8.282 ng/ul m
RT: 23.97 min Scan# 3512
Delta R.T. 0.14 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Instrument :
BNA_G
ClientSampleId :
C0AC2

Tot Ion	Ratio	Lower	Upper
252	100		
253	61.5	18.0	27.0#
125	38.3	3.7	5.5#

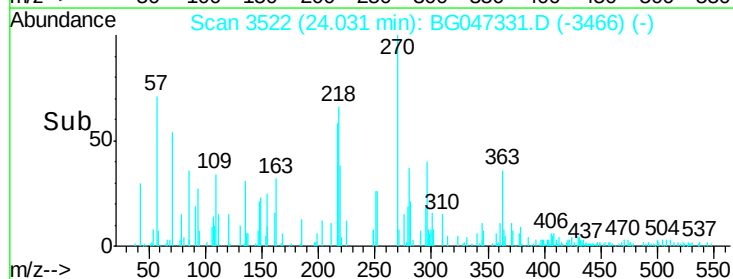
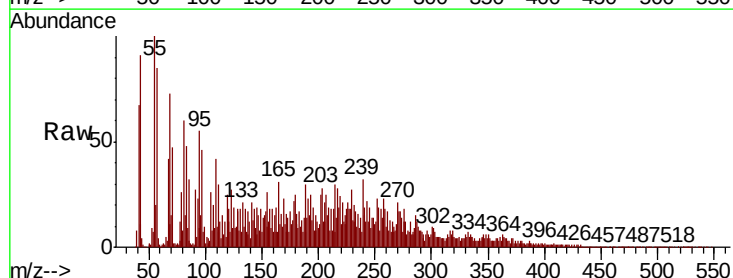
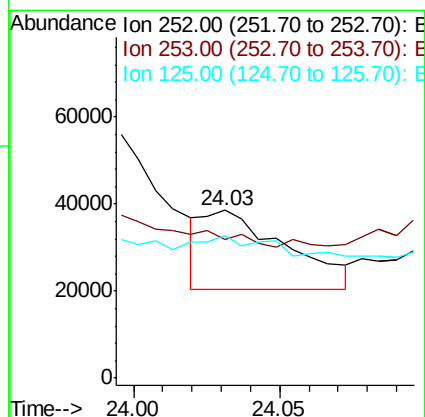
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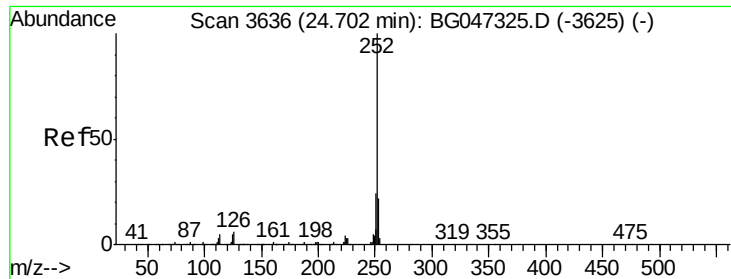
mohammad
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#89
Benzo(k)fluoranthene
Concen: 1.496 ng/ul m
RT: 24.03 min Scan# 3522
Delta R.T. 0.13 min
Lab File: BG047331.D
Acq: 16 Nov 2020 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	82.3	18.2	27.4#
125	84.8	4.6	7.0#





#91

Benzo(a)pyrene

Concen: 9.143 ng/ul m

RT: 24.87 min Scan# 3664

Delta R.T. 0.16 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Instrument :

BNA_G

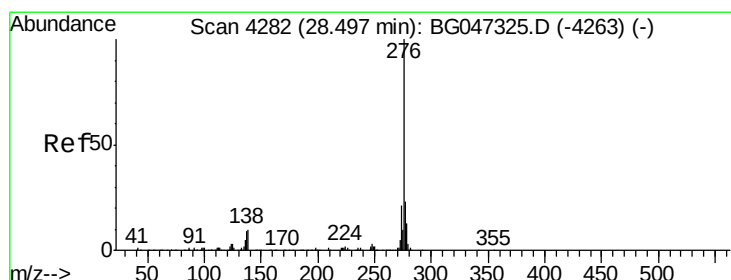
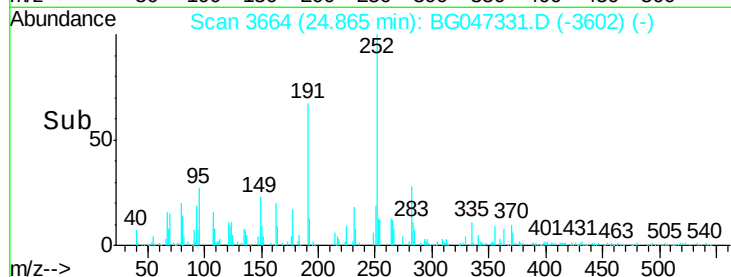
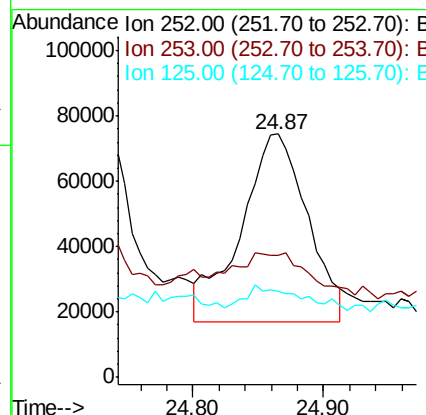
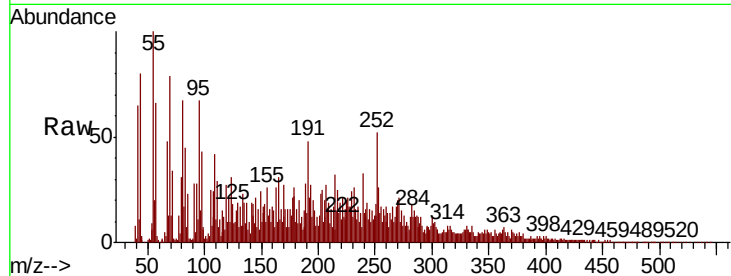
ClientSampled :

C0AC2

Tot Ion	Ratio	Lower	Upper
252	100		
253	50.1	17.8	26.6#
125	35.4	4.2	6.4#

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 1.886 ng/ul m

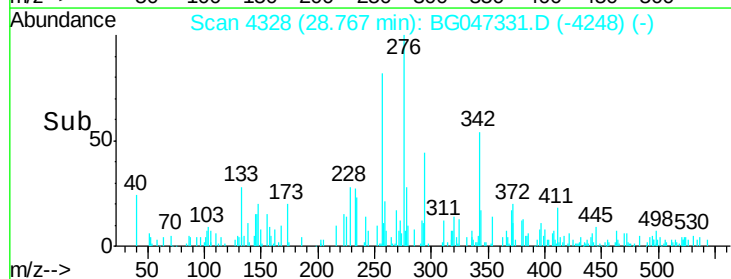
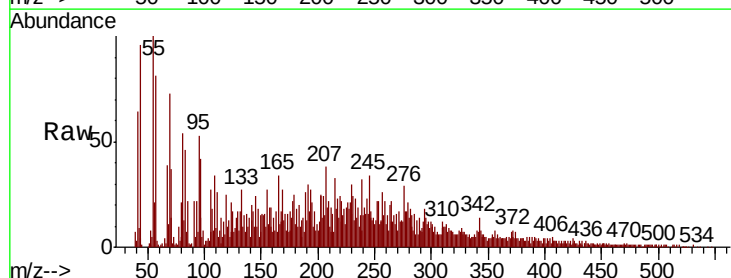
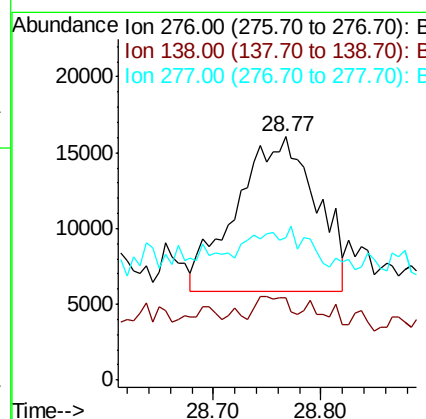
RT: 28.77 min Scan# 4328

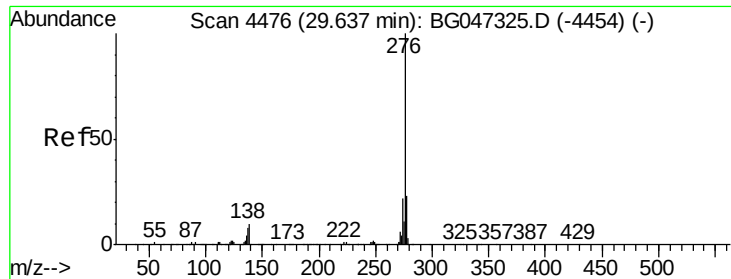
Delta R.T. 0.27 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.8	8.1	12.1#
277	58.3	20.2	30.4#





#94

Benzo(a,h,i)perylene

Concen: 3.688 ng/ul m

RT: 29.92 min Scan# 4524

Delta R.T. 0.28 min

Lab File: BG047331.D

Acq: 16 Nov 2020 15:35

Instrument :

BNA_G

ClientSampleId :

C0AC2

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	9.0	13.6#
277	48.4	19.2	28.8#

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:53 PM

