

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
 Data File : BG047328.D
 Acq On : 16 Nov 2020 13:33
 Operator : CG/JU
 Sample : L4762-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB7

Manual Integrations
 APPROVED

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 11/17/2020 4:09:44 PM

Quant Time: Nov 16 15:16:19 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	60665	20.00	ng/ul	0.01
18) Naphthalene-d8	10.82	136	214431	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.65	164	150471	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.41	188	283930	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	349202	20.00	ng/ul	0.04
86) Perylene-d12	24.95	264	370498m	20.00	ng/ul	0.11

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	5563	3.70	ng/uL	0.01
5) Phenol-d5	7.18	99	123529	23.46	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.33	67	73049	24.12	ng/ul	0.01
9) 2-Chlorophenol-d4	7.55	132	100182	24.47	ng/ul	0.01
13) 4-Methylphenol-d8	8.72	113	99872	23.77	ng/ul	0.01
19) Nitrobenzene-d5	9.18	128	48215	26.83	ng/ul	0.01
22) 2-Nitrophenol-d4	9.90	143	53793	25.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	102356	24.98	ng/ul	0.01
29) 4-Chloroaniline-d4	10.94	131	261881	74.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.06	166	279581	22.60	ng/ul	0.01
47) Acenaphthylene-d8	14.36	160	343195	23.45	ng/ul	0.02
52) 4-Nitrophenol-d4	14.87	143	65907	33.84	ng/ul	0.02
58) Fluorene-d10	15.65	176	242199	21.08	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.75	200	9288	4.74	ng/ul	0.00
71) Anthracene-d10	17.51	188	370514	26.92	ng/ul	0.02
79) Pyrene-d10	19.80	212	445447	22.36	ng/ul	0.03
90) Benzo(a)pyrene-d12	24.73	264	501426m	24.62	ng/ul	0.10

Target Compounds

					Ovalue
24) 2,4-Dimethylphenol	10.02	107	11118	2.540	ng/ul# 52
28) Naphthalene	10.88	128	361850	30.038	ng/ul# 95
34) 2-Methylnaphthalene	12.49	142	1443775	167.987	ng/ul 100
41) 1,1'-Biphenyl	13.49	154	191822	16.158	ng/ul 94
45) Dimethylphthalate	14.10	163	64878	5.225	ng/ul# 79
48) Acenaphthylene	14.38	152	69670	5.088	ng/ul# 7
50) Acenaphthene	14.72	153	212040	21.403	ng/ul 93
54) Dibenzofuran	15.06	168	186859	12.960	ng/ul# 29
59) Fluorene	15.71	166	292158	24.687	ng/ul# 88
70) Phenanthrene	17.46	178	2295150	144.125	ng/ul# 89
72) Anthracene	17.55	178	255327	15.954	ng/ul# 89
75) Carbazole	17.82	167	29822	2.426	ng/ul# 1
77) Fluoranthene	19.47	202	407958	21.284	ng/ul 97
80) Pyrene	19.83	202	1580029	66.119	ng/ul 99
83) Benzo(a)anthracene	21.67	228	243655	10.300	ng/ul# 43
85) Chrysene	21.73	228	424455	18.649	ng/ul# 70
88) Benzo(b)fluoranthene	23.92	252	162725m	6.612	ng/ul
89) Benzo(k)fluoranthene	23.97	252	44135m	1.851	ng/ul
91) Benzo(a)pyrene	24.80	252	160736m	7.253	ng/ul
92) Indeno(1,2,3-cd)pyrene	28.64	276	63661m	2.311	ng/ul
94) Benzo(a,h,i)perylene	29.80	276	86339m	3.751	ng/ul

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

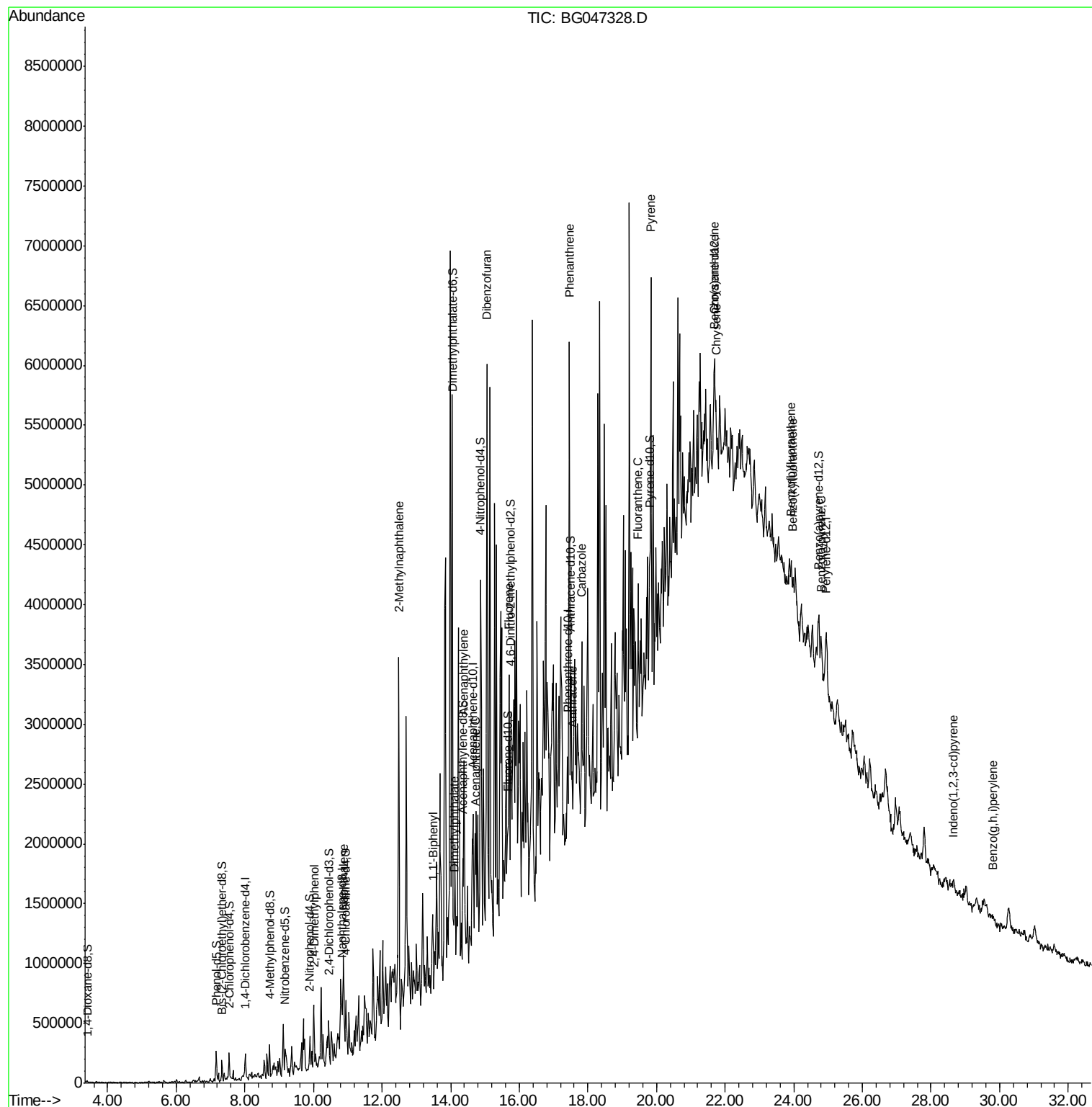
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111620\
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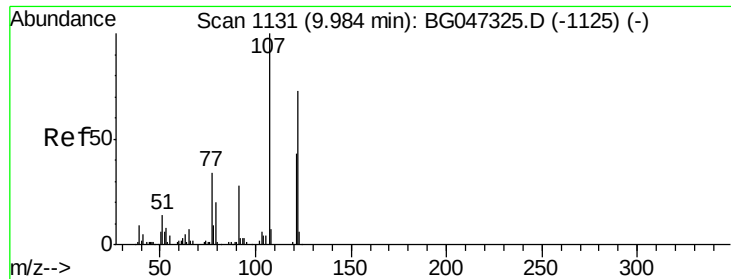
Instrument :
BNA_G
ClientSampleId :
C0AB7

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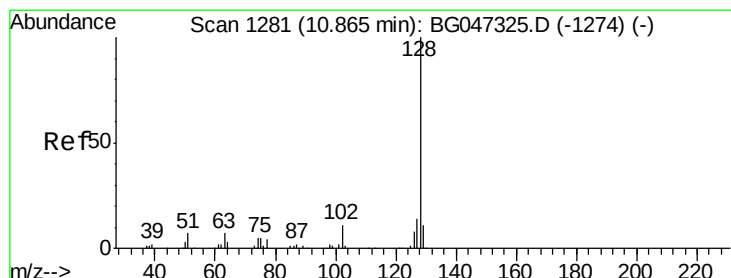
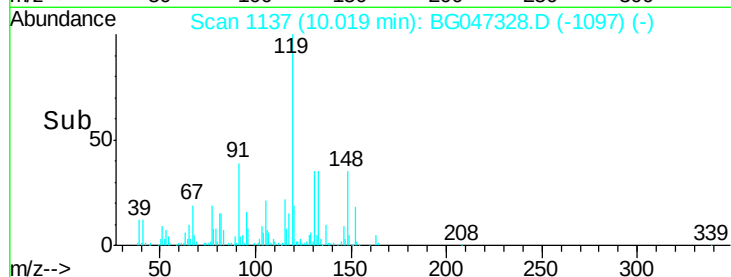
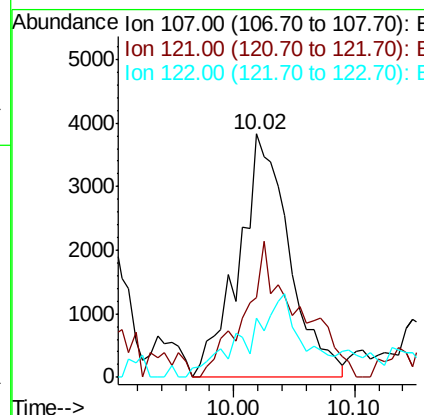
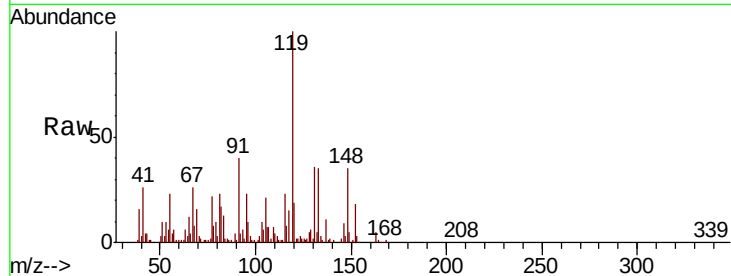
#24
2,4-Dimethylphenol
Concen: 2.540 ng/ul
RT: 10.02 min Scan# 1137
Delta R.T. 0.04 min
Lab File: BG047328.D
Acq: 16 Nov 2020 13:33

Instrument :
BNA_G
ClientSampleId :
C0AB7

Tot Ion	Ratio	Lower	Upper
107	100		
121	32.6	40.4	60.6#
122	24.2	63.0	94.4#

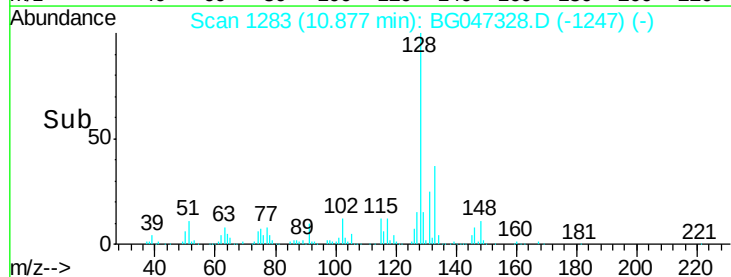
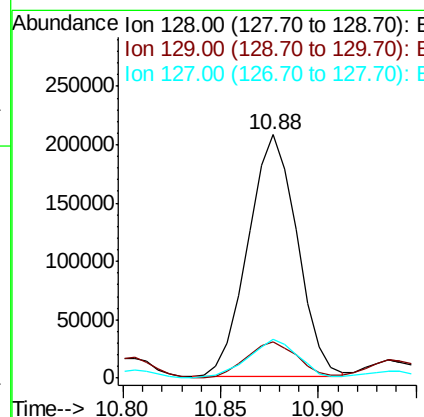
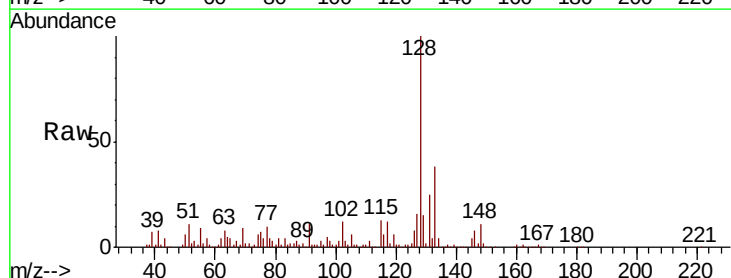
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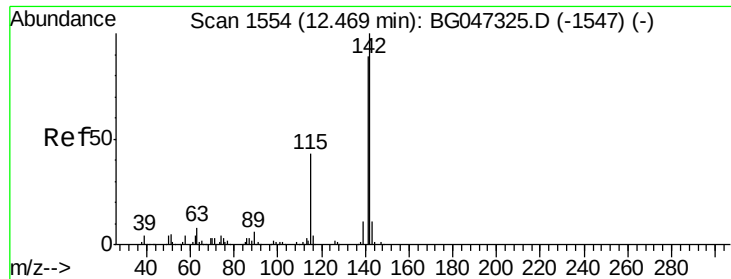
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#28
Naphthalene
Concen: 30.038 ng/ul
RT: 10.88 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BG047328.D
Acq: 16 Nov 2020 13:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.4	14.2#
127	15.7	11.5	17.3





#34

2-Methylnaphthalene

Concen: 167.987 ng/ul

RT: 12.49 min Scan# 1558

Delta R.T. 0.02 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

ClientSampleId :

C0AB7

Tot Ion:142 Resp: 1443775

Ion Ratio Lower Upper

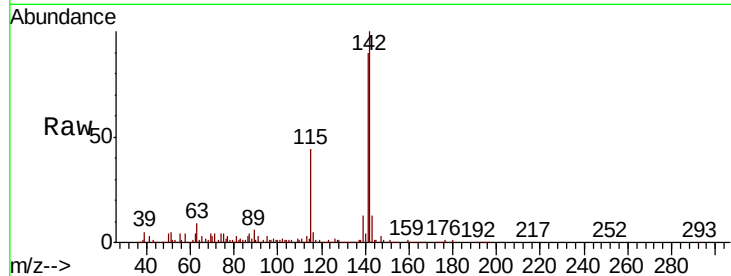
142 100

141 90.4 72.4 108.6

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.49

800000

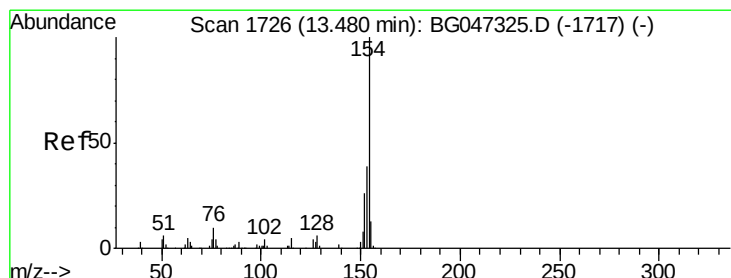
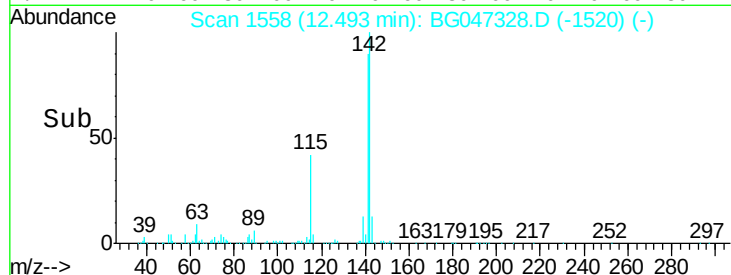
600000

400000

200000

0

Time-->



#41

1,1'-Biphenyl

Concen: 16.158 ng/ul

RT: 13.49 min Scan# 1727

Delta R.T. 0.01 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

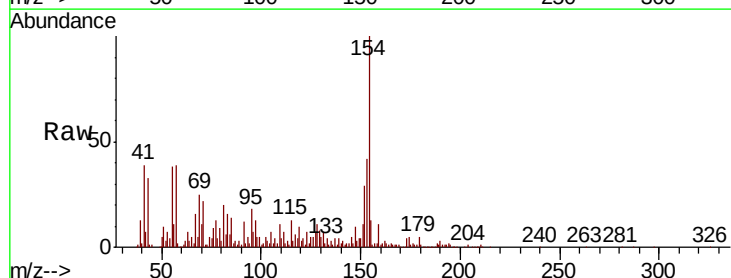
Tgt Ion:154 Resp: 191822

Ion Ratio Lower Upper

154 100

153 42.3 30.2 45.4

76 9.5 7.8 11.6



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

13.49

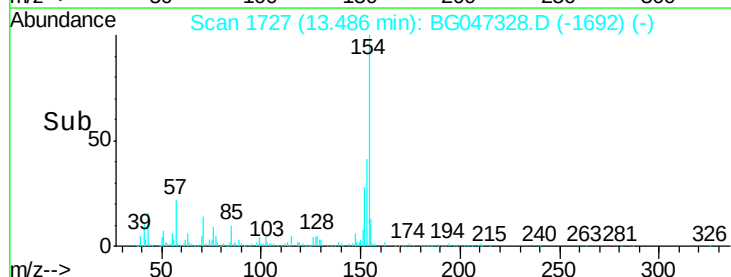
150000

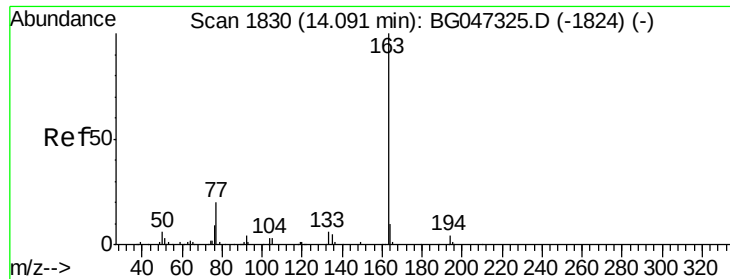
100000

50000

0

Time-->





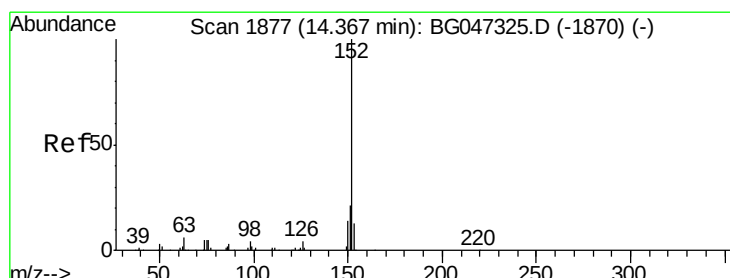
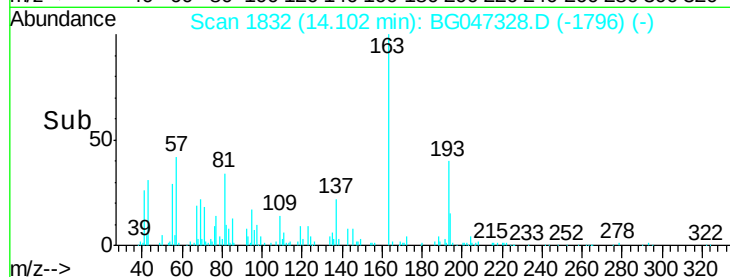
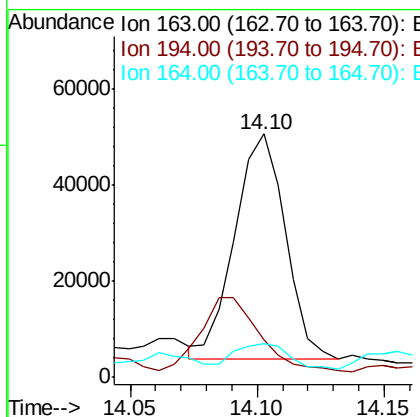
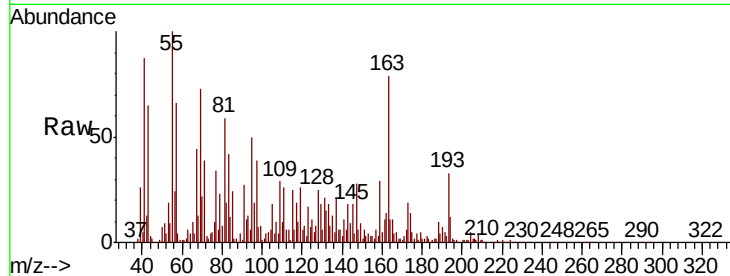
#45
Dimethylphthalate
Concen: 5.225 ng/ul
RT: 14.10 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BG047328.D
Acq: 16 Nov 2020 13:33

Instrument :
BNA_G
ClientSampleId :
C0AB7

Tot Ion	Ratio	Lower	Upper
163	100		
194	15.6	3.4	5.0#
164	14.1	7.2	10.8#

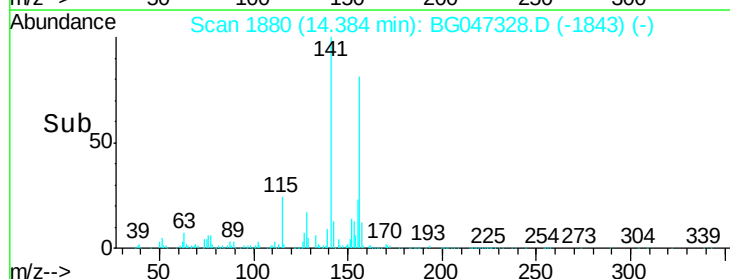
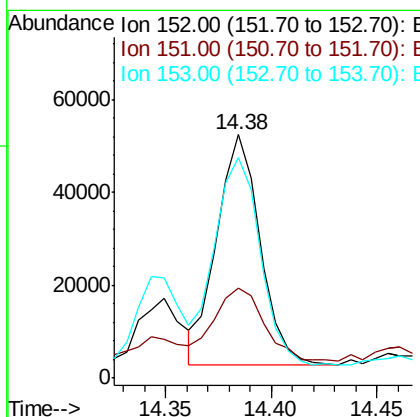
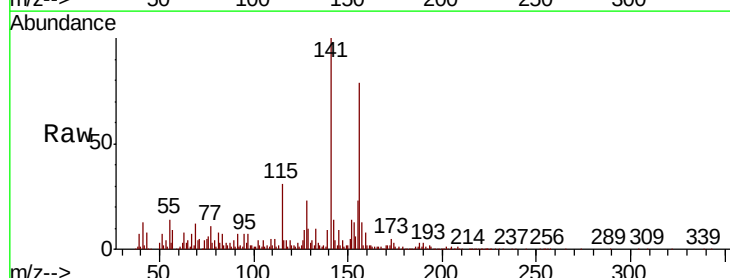
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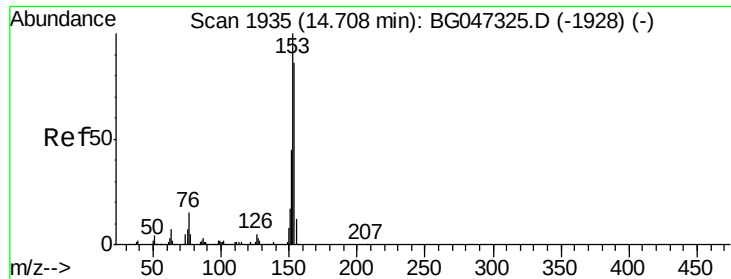
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#48
Acenaphthylene
Concen: 5.088 ng/ul
RT: 14.38 min Scan# 1880
Delta R.T. 0.02 min
Lab File: BG047328.D
Acq: 16 Nov 2020 13:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	36.8	17.4	26.2#
153	90.5	10.2	15.4#





#50

Acenaphthene

Concen: 21.403 ng/ul

RT: 14.72 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

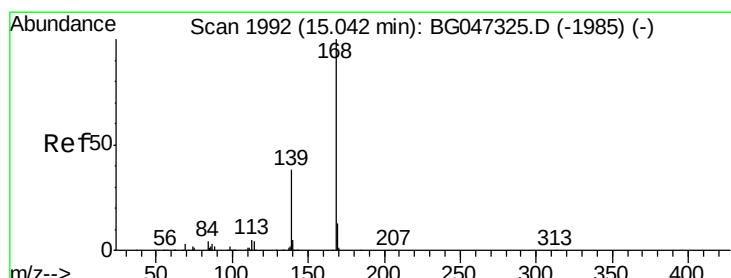
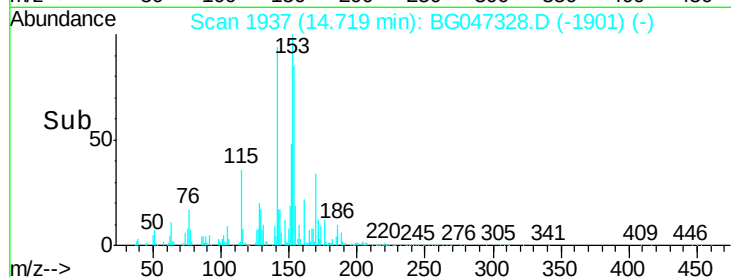
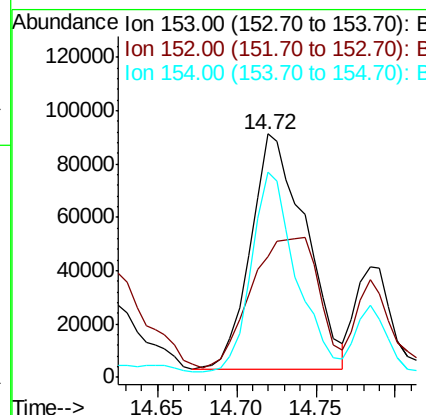
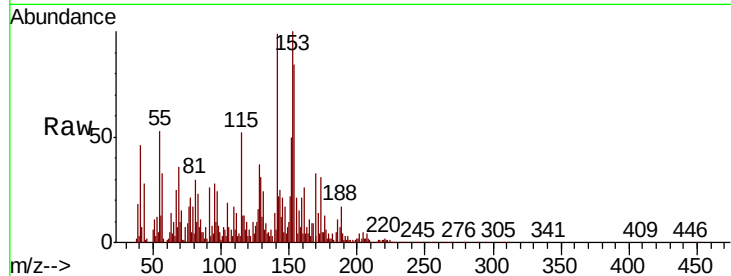
ClientSampled :

C0AB7

Tot Ion:	153	Resp:	212040
Ion Ratio	Lower	Upper	
153	100		
152	49.7	37.0	55.4
154	84.4	74.0	111.0

Manual Integrations
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#54

Dibenzofuran

Concen: 12.960 ng/ul

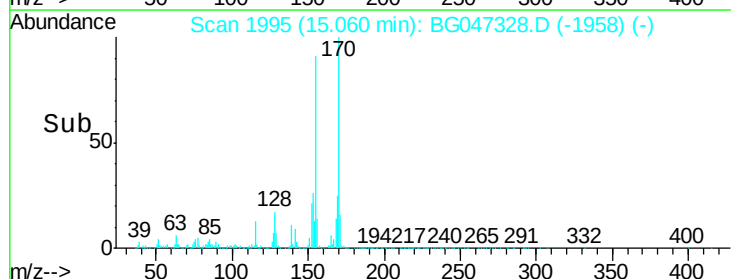
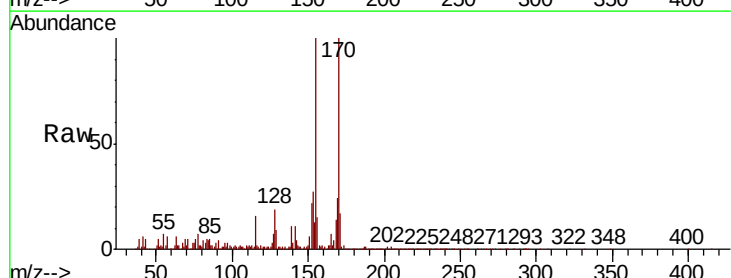
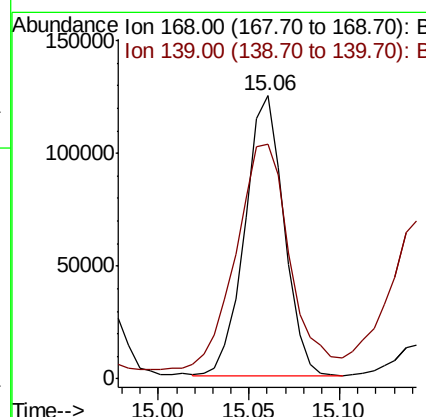
RT: 15.06 min Scan# 1995

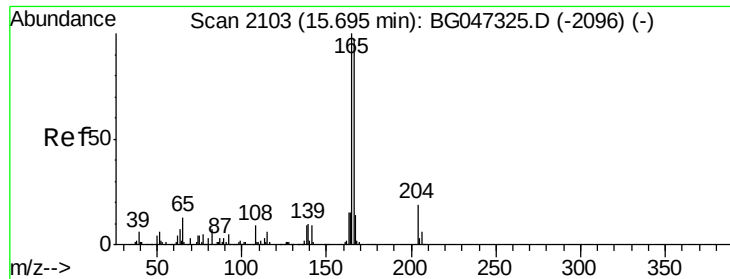
Delta R.T. 0.02 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Tgt Ion:	168	Resp:	186859
Ion Ratio	Lower	Upper	
168	100		
139	82.9	31.5	47.3#





#59

Fluorene

Concen: 24.687 ng/ul

RT: 15.71 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

ClientSampled :

C0AB7

Tot Ion:166 Resp: 292158

Ion Ratio Lower Upper

166 100

165 105.6 76.2 114.4

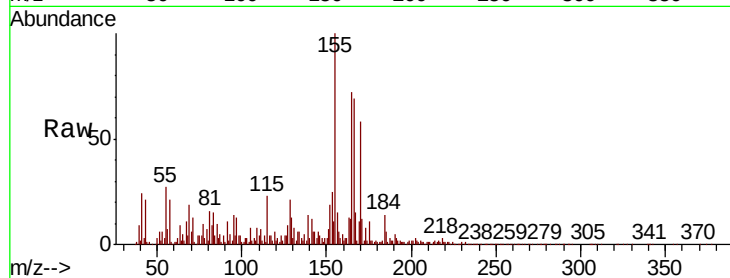
167 21.8 10.4 15.6#

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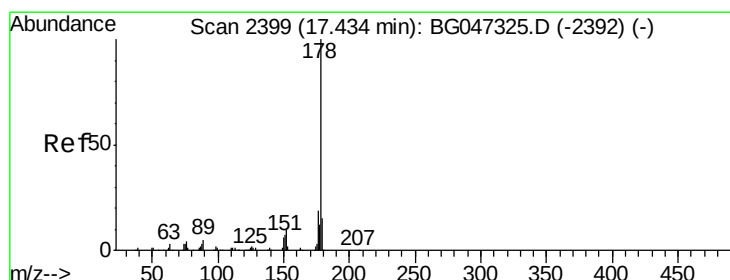
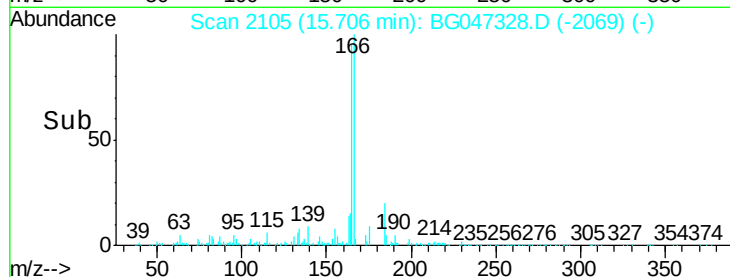
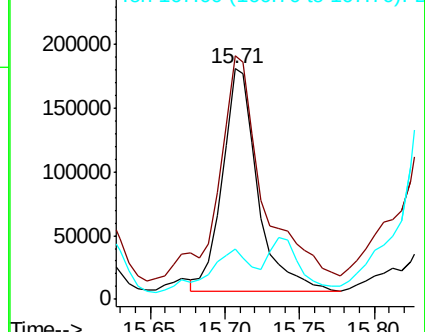


Abundance

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: 144.125 ng/ul

RT: 17.46 min Scan# 2403

Delta R.T. 0.02 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

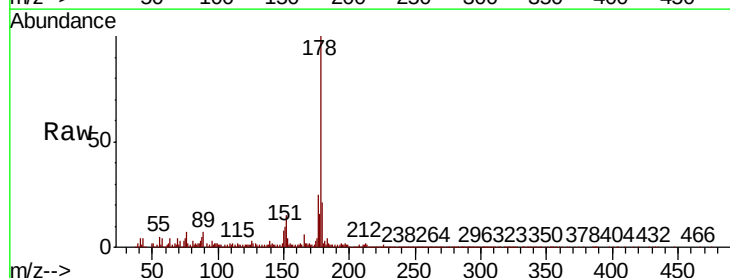
Tgt Ion:178 Resp: 2295150

Ion Ratio Lower Upper

178 100

179 21.3 12.2 18.4#

176 24.5 16.5 24.7

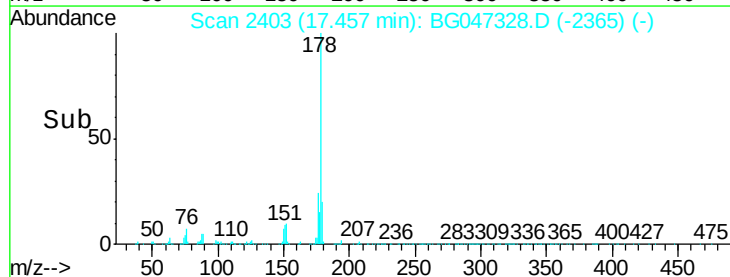
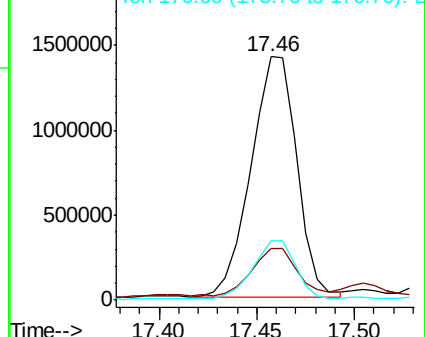


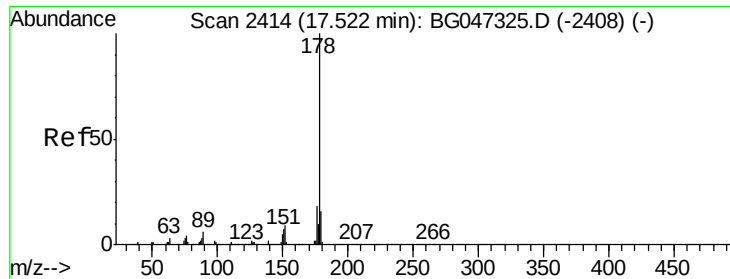
Abundance

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





#72

Anthracene

Concen: 15.954 ng/ul

RT: 17.55 min Scan# 2418

Delta R.T. 0.02 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

ClientSampleId :

C0AB7

Tot Ion:178 Resp: 255327

Ion Ratio Lower Upper

178 100

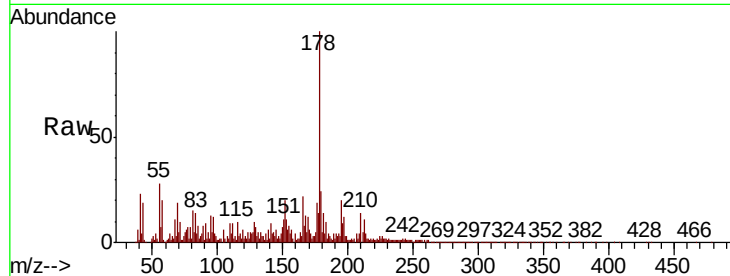
179 23.6 12.4 18.6#

176 19.4 14.4 21.6

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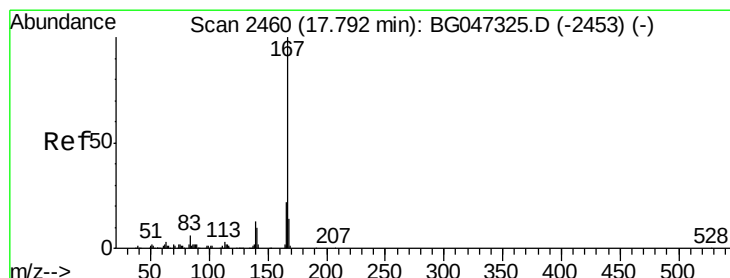
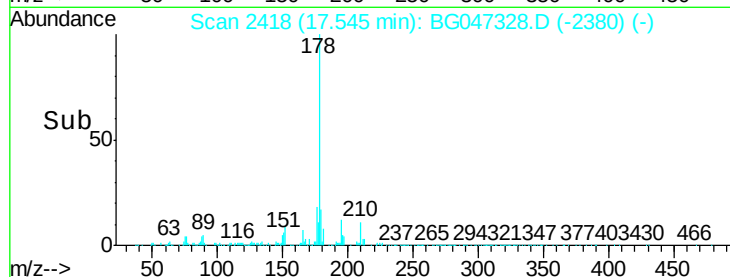
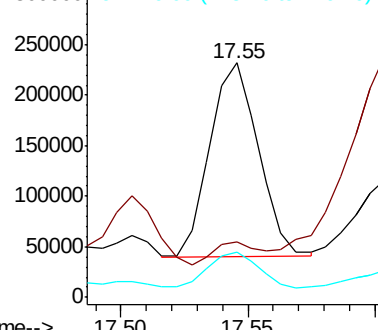
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 2.426 ng/ul

RT: 17.82 min Scan# 2464

Delta R.T. 0.02 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Tgt Ion:167 Resp: 29822

Ion Ratio Lower Upper

167 100

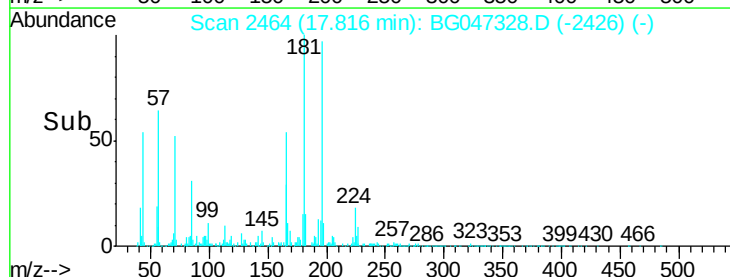
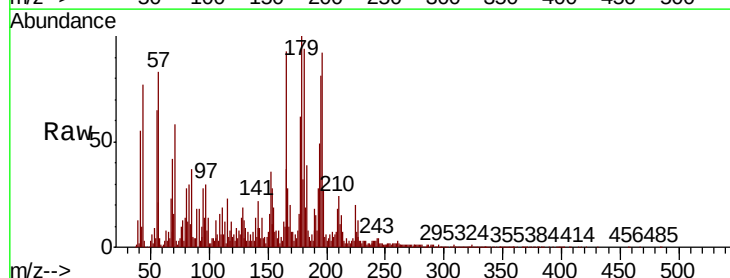
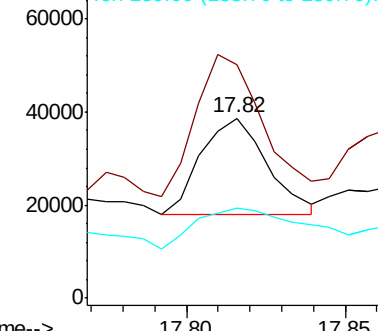
166 129.2 17.4 26.0#

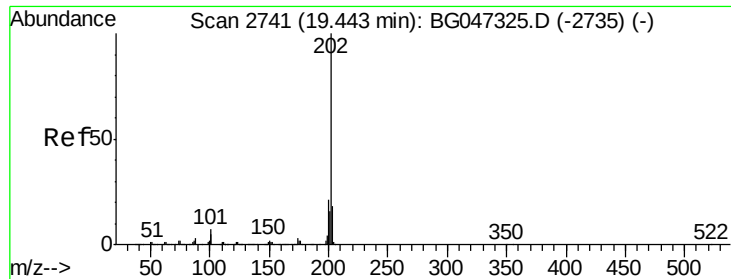
139 50.2 10.5 15.7#

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 21.284 ng/ul

RT: 19.47 min Scan# 2745

Delta R.T. 0.02 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

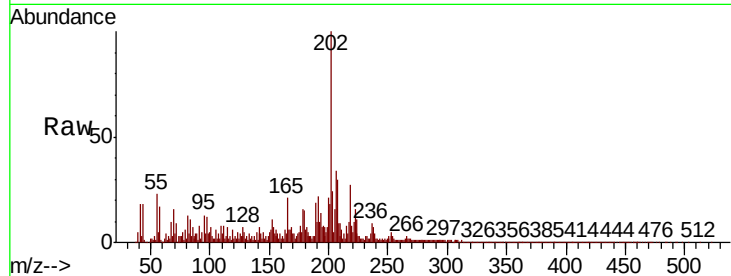
ClientSampleId :

C0AB7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		407958		
101	7.4	5.0	7.6		
100	4.6	4.2	6.2		

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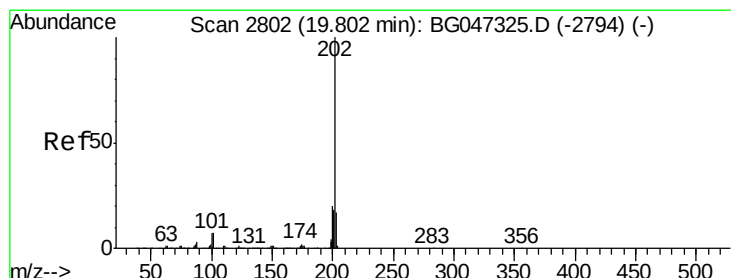
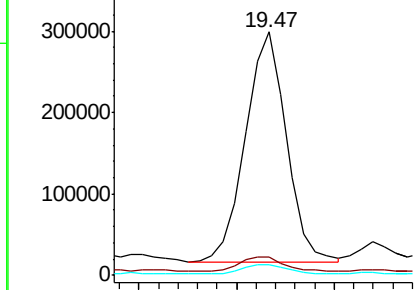
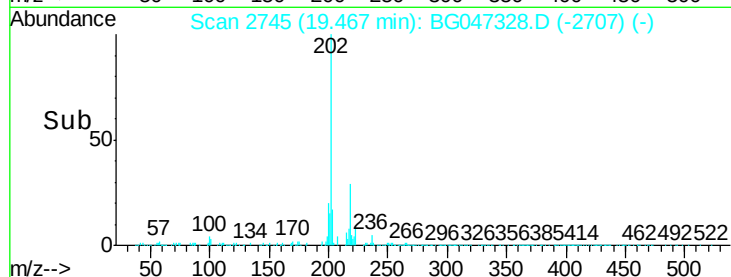
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 66.119 ng/ul

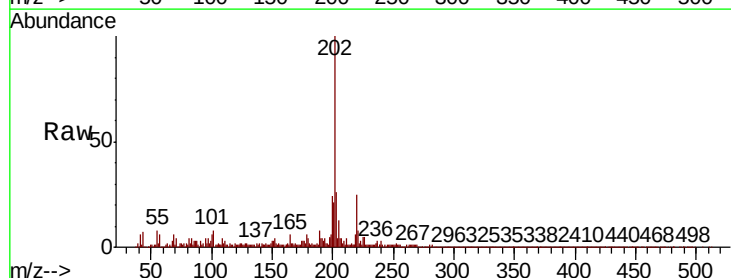
RT: 19.83 min Scan# 2807

Delta R.T. 0.03 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

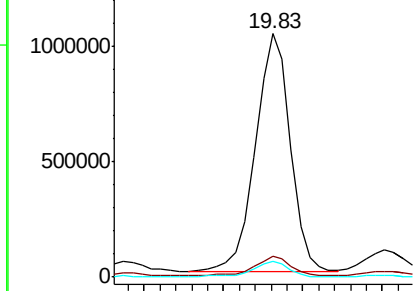
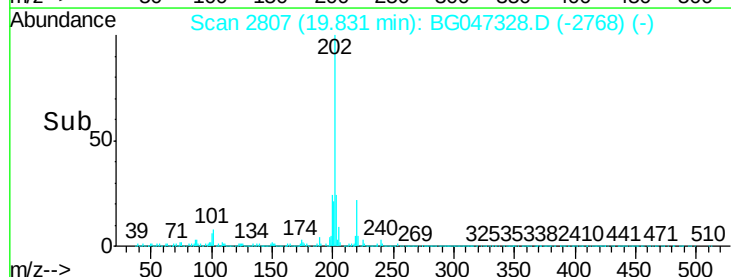
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1580029		
101	8.5	6.5	9.7		
100	6.4	5.7	8.5		

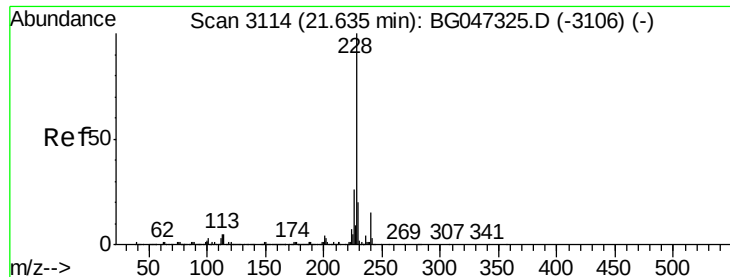


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





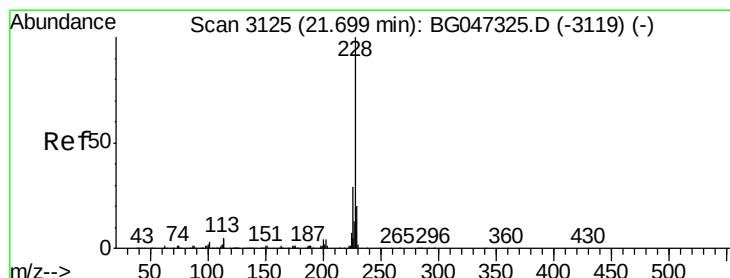
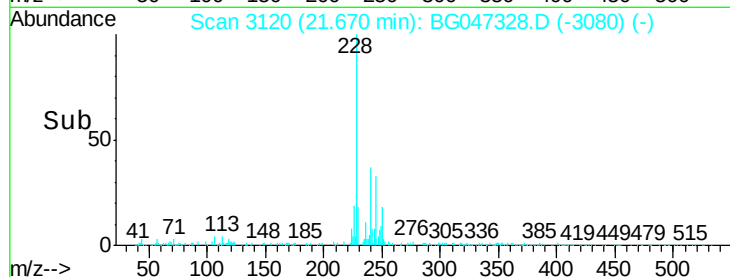
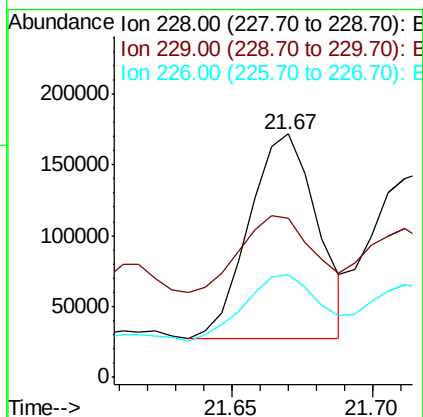
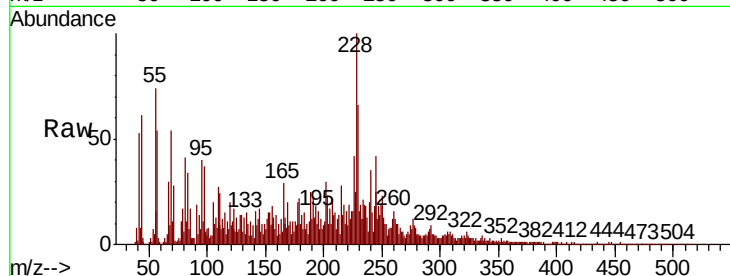
#83
Benzo(a)anthracene
Concen: 10.300 ng/ul
RT: 21.67 min Scan# 3120
Delta R.T. 0.04 min
Lab File: BG047328.D
Acq: 16 Nov 2020 13:33

Instrument :
BNA_G
ClientSampled :
C0AB7

Tot Ion	Ratio	Lower	Upper
228	100		
229	65.6	15.1	22.7#
226	42.0	22.7	34.1#

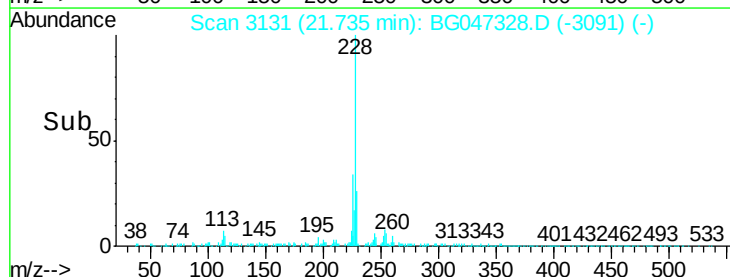
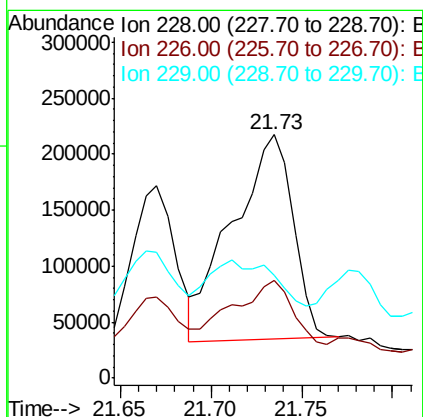
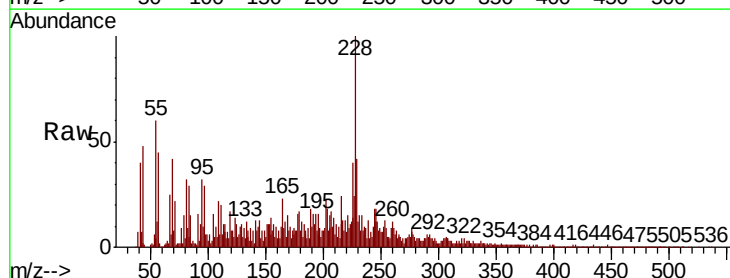
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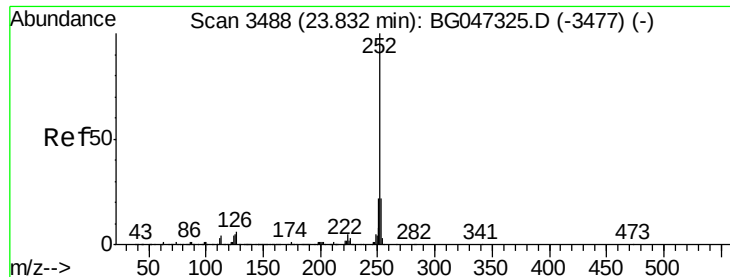
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#85
Chrysene
Concen: 18.649 ng/ul
RT: 21.73 min Scan# 3131
Delta R.T. 0.04 min
Lab File: BG047328.D
Acq: 16 Nov 2020 13:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.1	24.6	36.8#
229	42.1	15.8	23.8#





#88

Benzo(b)fluoranthene

Concen: 6.612 ng/ul m

RT: 23.92 min Scan# 3503

Delta R.T. 0.09 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

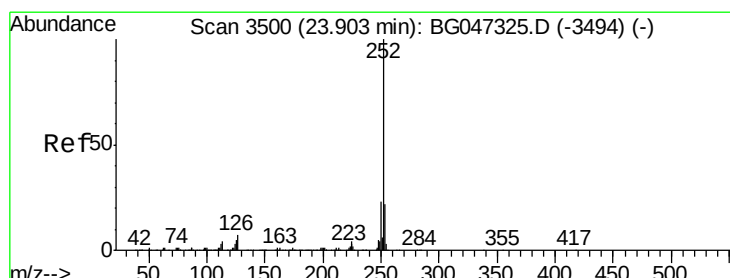
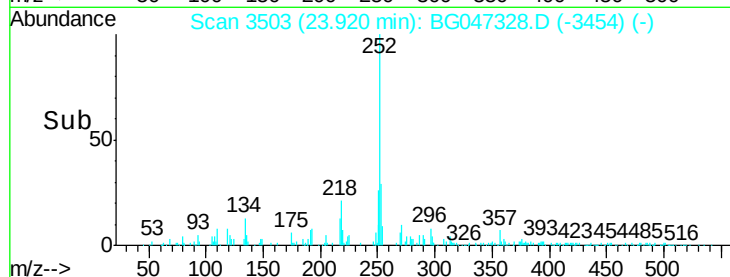
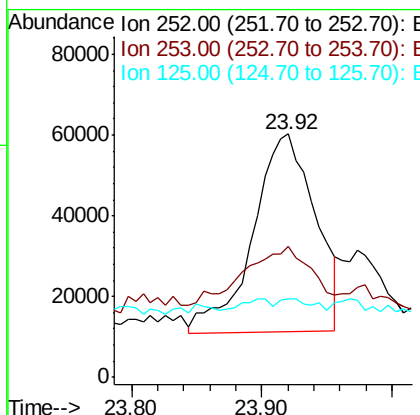
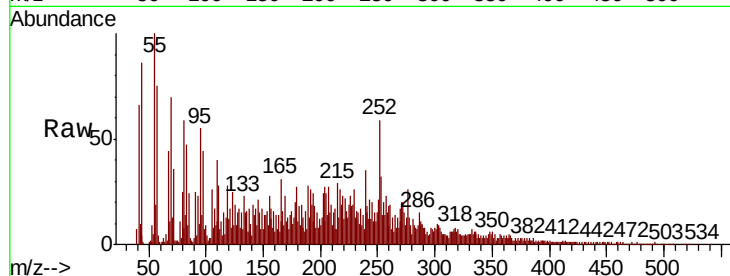
ClientSampleId :

C0AB7

Tot Ion:	252	Resp:	162725
Ion Ratio	Lower	Upper	
252	100		
253	53.9	18.0	27.0#
125	32.3	3.7	5.5#

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#89

Benzo(k)fluoranthene

Concen: 1.851 ng/ul m

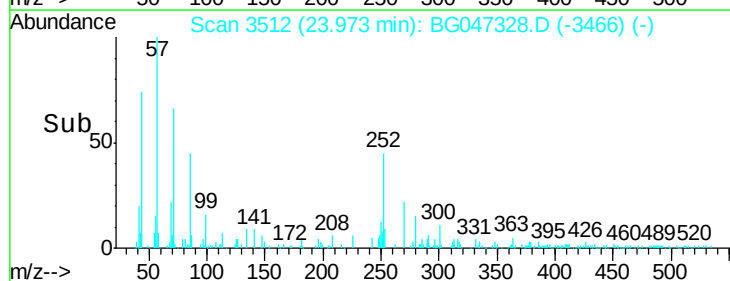
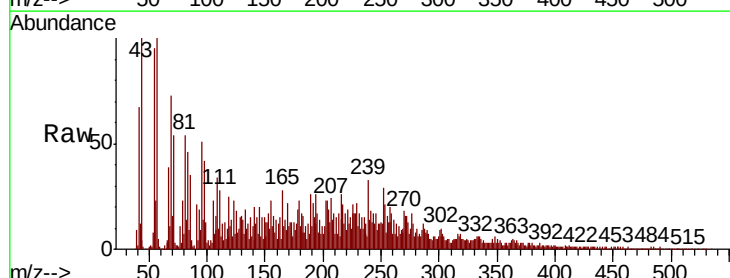
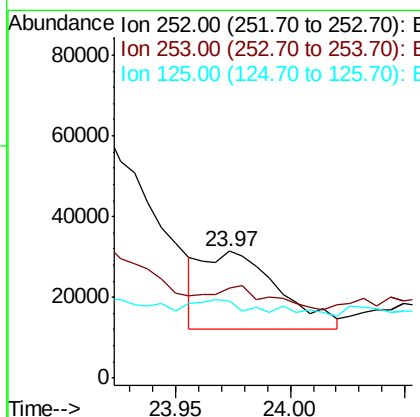
RT: 23.97 min Scan# 3512

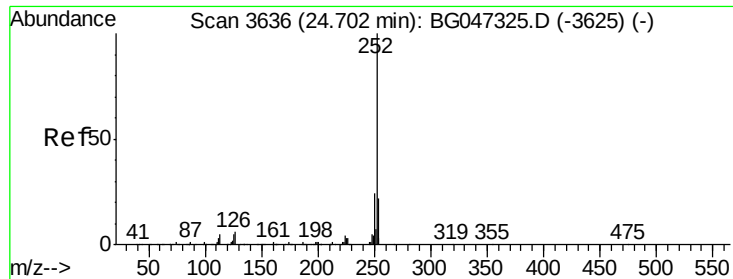
Delta R.T. 0.07 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Tgt Ion:	252	Resp:	44135
Ion Ratio	Lower	Upper	
252	100		
253	70.6	18.2	27.4#
125	60.7	4.6	7.0#





#91

Benzo(a)pyrene

Concen: 7.253 ng/ul m

RT: 24.80 min Scan# 3652

Delta R.T. 0.09 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

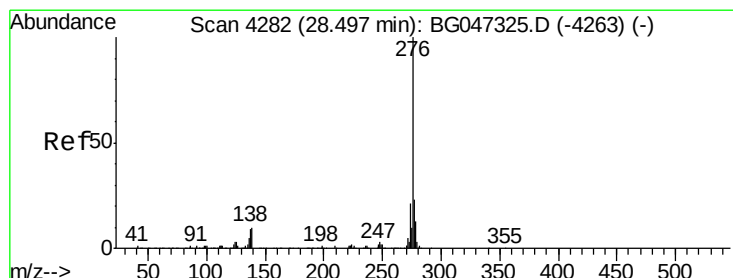
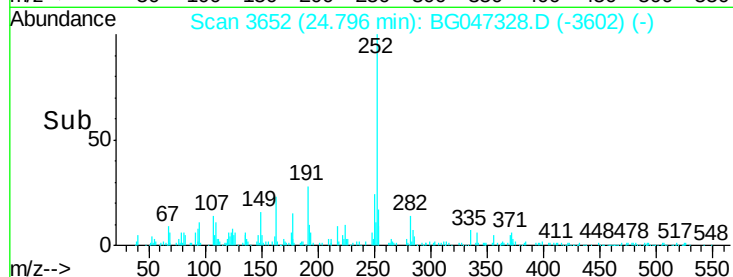
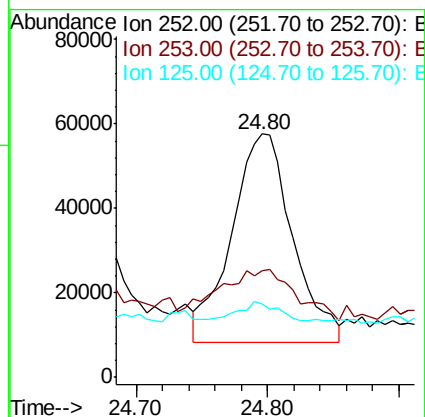
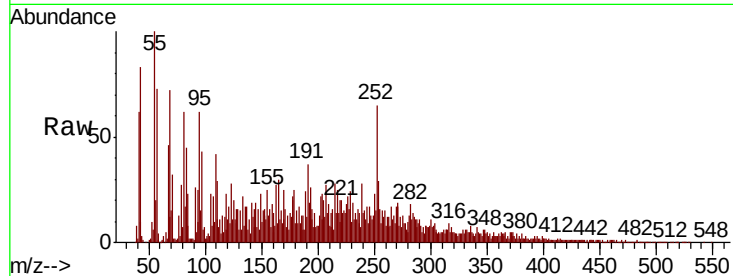
ClientSampleId :

C0AB7

Tot Ion:	252	Resp:	160736
Ion Ratio	Lower	Upper	
252	100		
253	44.0	17.8	26.6#
125	30.1	4.2	6.4#

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#92

Indeno(1,2,3-cd)pyrene

Concen: 2.311 ng/ul m

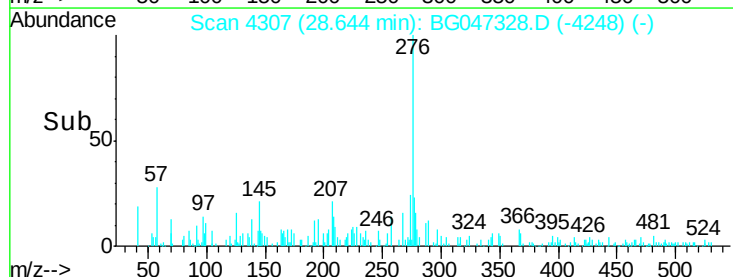
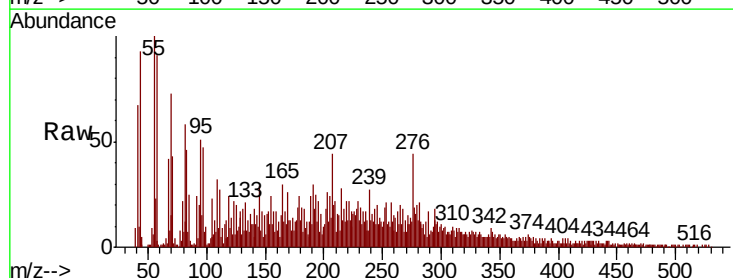
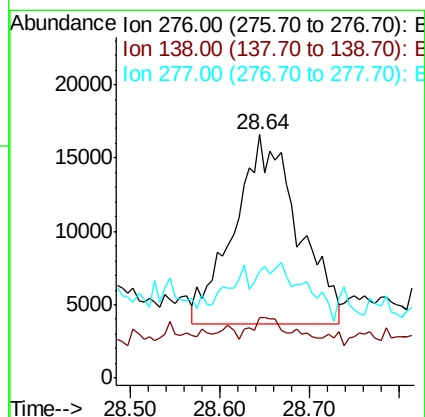
RT: 28.64 min Scan# 4307

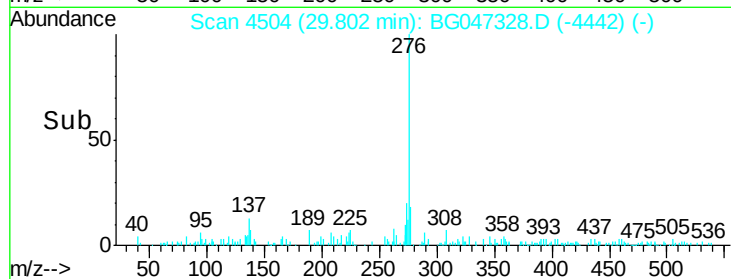
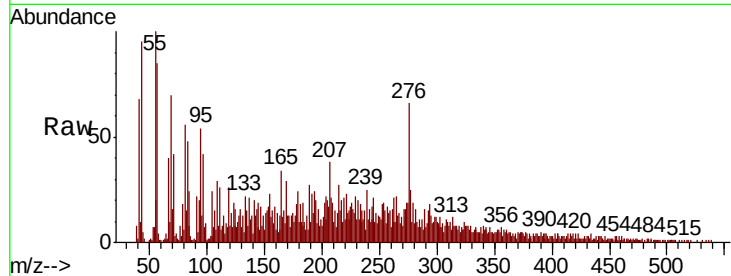
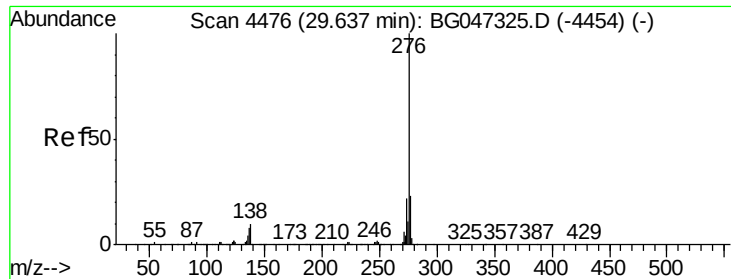
Delta R.T. 0.15 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Tgt Ion:	276	Resp:	63661
Ion Ratio	Lower	Upper	
276	100		
138	24.9	8.1	12.1#
277	43.7	20.2	30.4#





#94

Benzo(a,h,i)perylene

Concen: 3.751 ng/ul m

RT: 29.80 min Scan# 4504

Delta R.T. 0.16 min

Lab File: BG047328.D

Acq: 16 Nov 2020 13:33

Instrument :

BNA_G

ClientSampleId :

C0AB7

Tot Ion:	276	Resp:	86339
Ion Ratio	Lower	Upper	
276	100		
138	16.3	9.0	13.6#
277	38.4	19.2	28.8#

Manual Integrations
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