

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
 Data File : BG048482.D
 Acq On : 23 Mar 2021 23:14
 Operator : CG/JU
 Sample : M1766-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-032221

Manual Integrations
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Quant Time: Mar 24 02:21:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 22 11:22:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	61673	20.00	ng	0.00
21) Naphthalene-d8	10.924	136	248986	20.00	ng	# 0.00
39) Acenaphthene-d10	14.743	164	161740	20.00	ng	0.00
64) Phenanthrene-d10	17.493	188	323548	20.00	ng	0.00
76) Chrysene-d12	21.788	240	308730	20.00	ng	# 0.00
86) Perylene-d12	25.125	264	324763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	181060	48.55	ng	0.00
7) Phenol-d6	7.252	99	250627	46.18	ng	0.00
23) Nitrobenzene-d5	9.267	82	186780	29.99	ng	0.00
42) 2,4,6-Tribromophenol	16.230	330	111609	42.43	ng	0.00
45) 2-Fluorobiphenyl	13.362	172	373993	33.26	ng	0.00
79) Terphenyl-d14	20.102	244	514176	30.04	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.977	128	36348	2.63	ng	98
37) 2-Methylnaphthalene	12.575	142	35199	3.34	ng	# 88
38) 1-Methylnaphthalene	12.798	142	37556	3.79	ng	# 97
52) Acenaphthene	14.802	154	44882	4.41	ng	93
55) Dibenzofuran	15.137	168	50963	3.36	ng	# 90
58) Fluorene	15.789	166	100099	7.86	ng	95
71) Phenanthrene	17.540	178	913275	53.44	ng	98
72) Anthracene	17.628	178	136756	8.06	ng	97
73) Carbazole	17.892	167	55202	3.41	ng	98
75) Fluoranthene	19.549	202	818316	35.96	ng	96
78) Pyrene	19.908	202	874893	41.26	ng	97
81) Benzo(a)anthracene	21.770	228	390626	18.24	ng	99
83) Chrysene	21.835	228	380595	18.54	ng	98
87) Indeno(1,2,3-cd)pyrene	28.938	276	108856	4.40	ng	# 66
88) Benzo(b)fluoranthene	24.068	252	338696	14.80	ng	# 97
89) Benzo(k)fluoranthene	24.126	252	125664m	5.82	ng	
90) Benzo(a)pyrene	24.967	252	286403	13.72	ng	# 95
92) Benzo(g,h,i)perylene	30.143	276	110053	5.37	ng	# 93

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

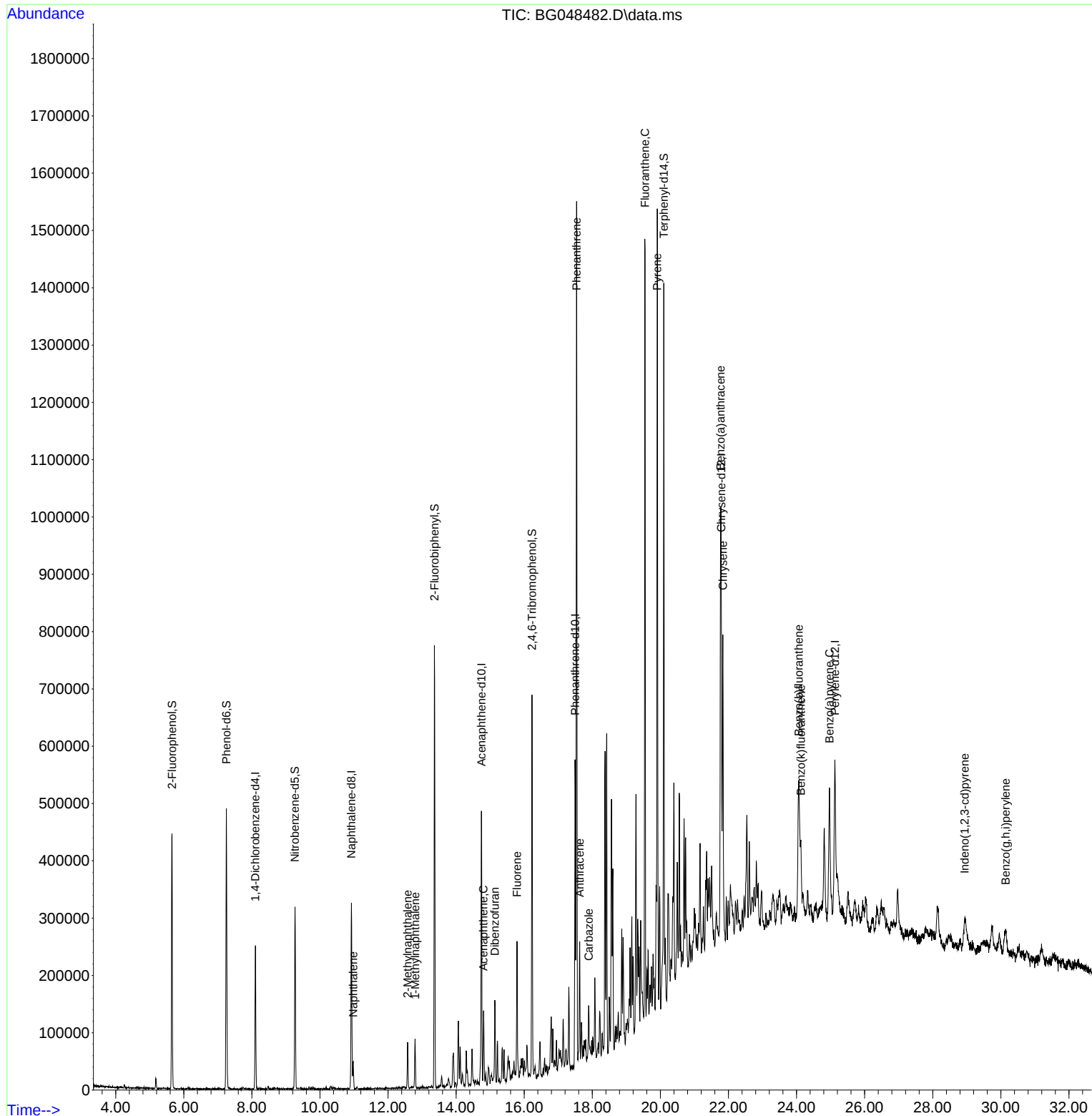
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
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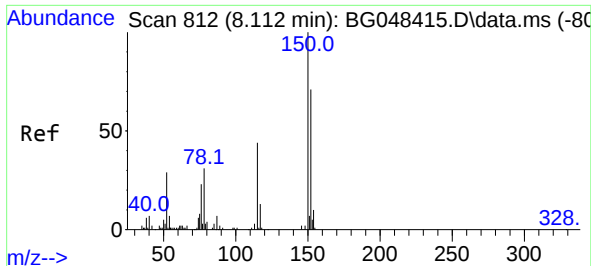
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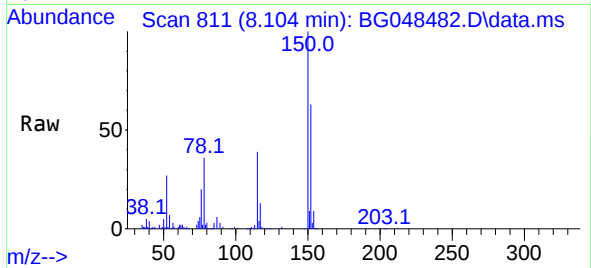
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QLast Update : Mon Mar 22 11:22:24 2021
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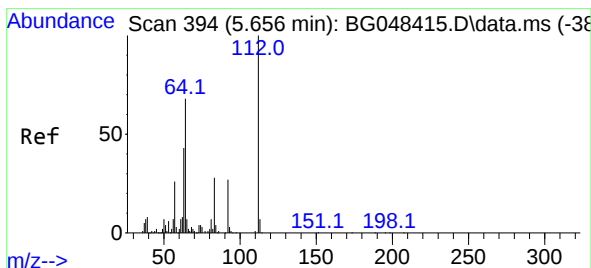
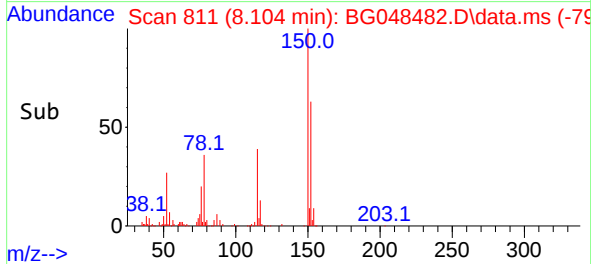
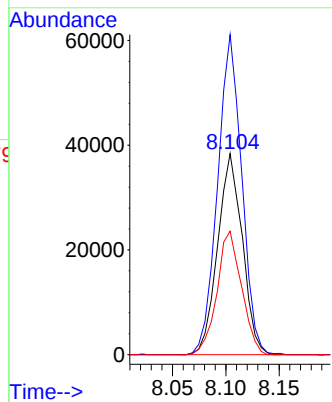




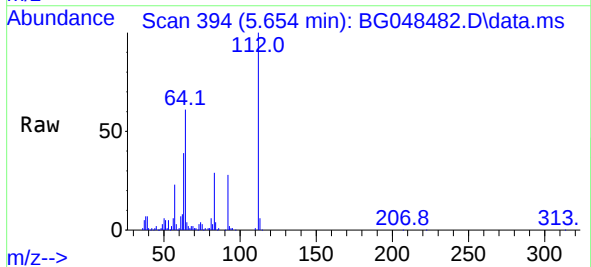
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.104 min Scan# 811
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14



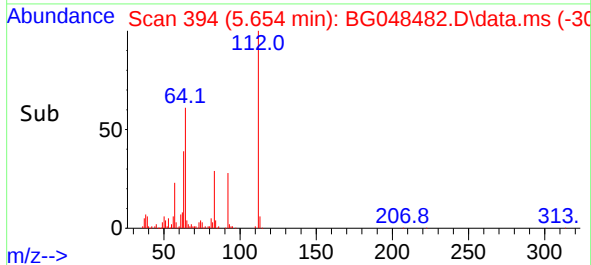
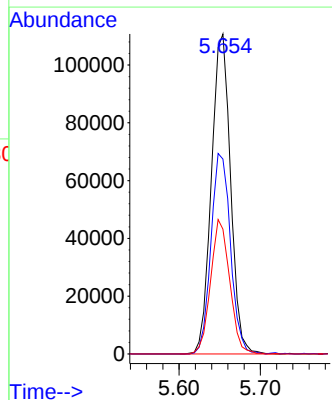
Tgt Ion:152 Resp: 61673
Ion Ratio Lower Upper
152 100
150 159.1 125.0 187.6
115 61.5 41.8 62.6



#5
2-Fluorophenol
Concen: 48.55 ng
RT: 5.654 min Scan# 394
Delta R.T. 0.007 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14



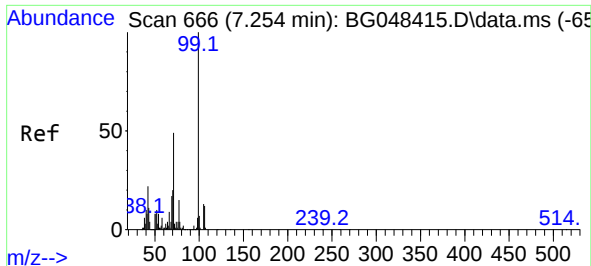
Tgt Ion:112 Resp: 181060
Ion Ratio Lower Upper
112 100
64 60.9 46.7 70.1
63 39.0 22.8 34.2#



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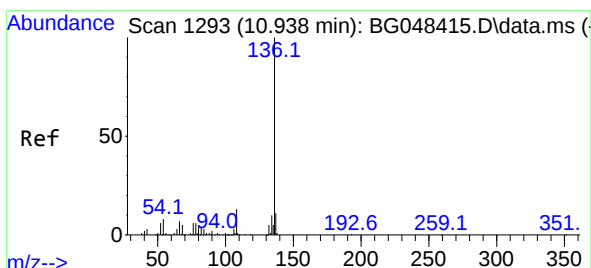
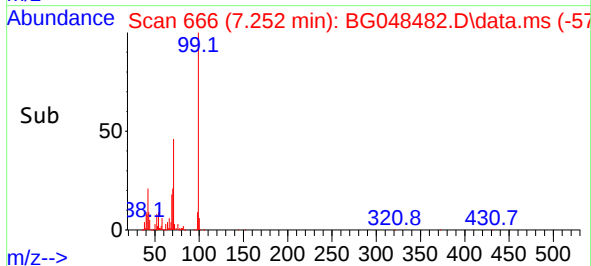
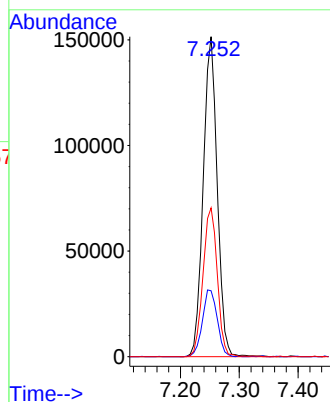
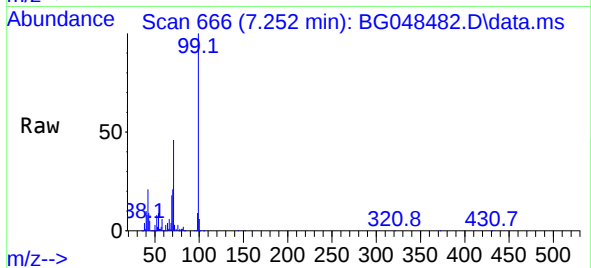
#7
Phenol-d6
Concen: 46.18 ng
RT: 7.252 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion: 99 Resp: 250627
Ion Ratio Lower Upper
99 100
42 20.6 12.8 19.2#
71 46.5 24.6 36.8#

Instrument :
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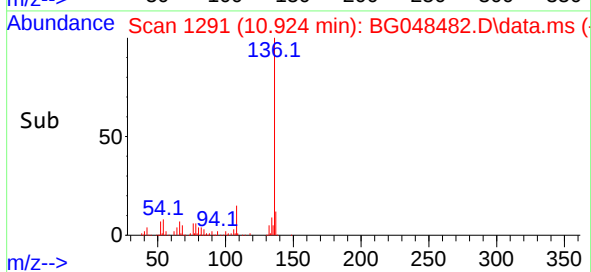
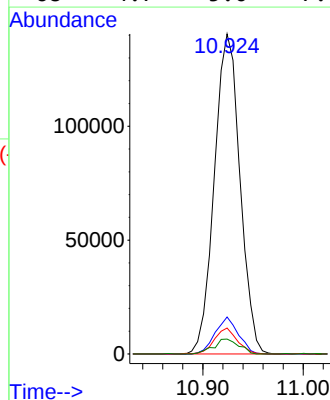
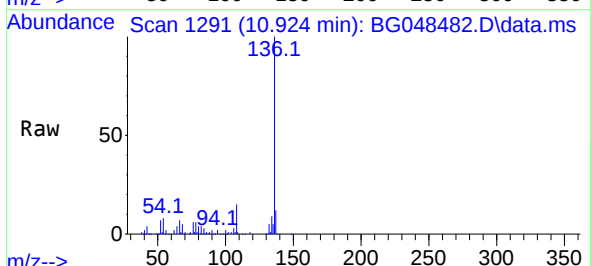
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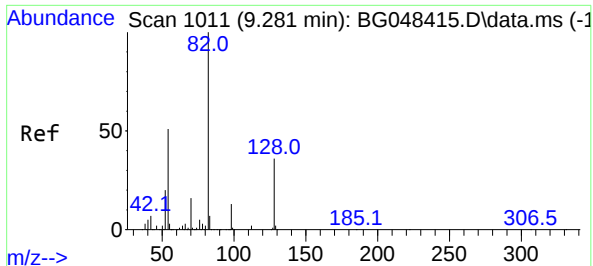
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.924 min Scan# 1291
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion: 136 Resp: 248986
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 8.1 6.2 9.4
68 4.7 5.0 7.4#





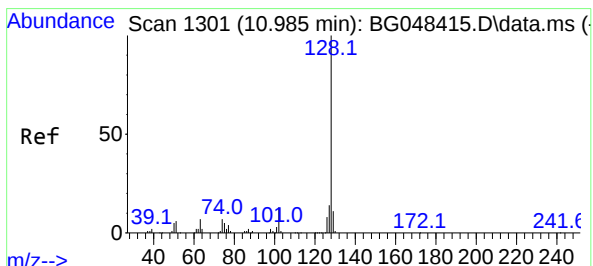
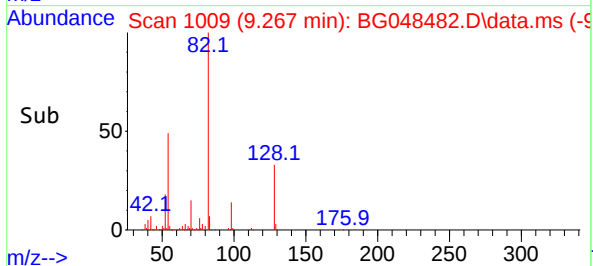
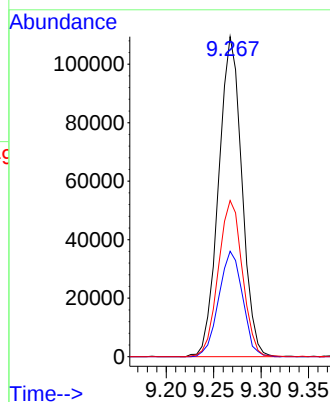
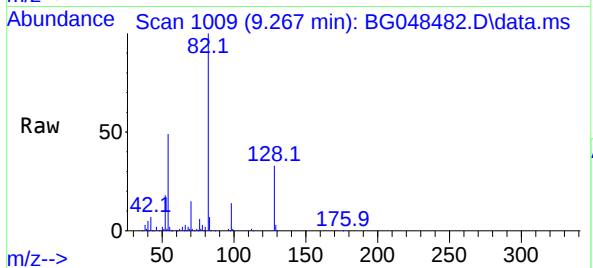
#23
Nitrobenzene-d5
Concen: 29.99 ng
RT: 9.267 min Scan# 1009
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Instrument :
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Tgt Ion: 82 Resp: 186780
Ion Ratio Lower Upper
82 100
128 33.0 37.0 55.6#
54 48.8 39.0 58.4

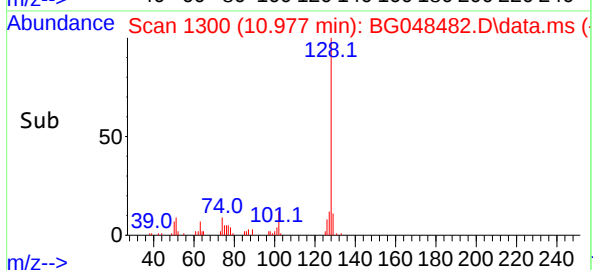
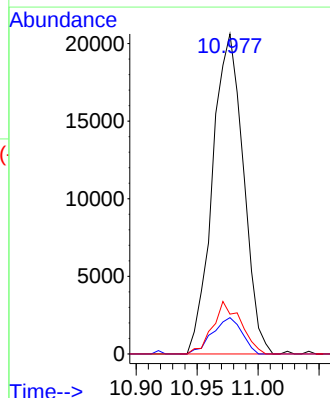
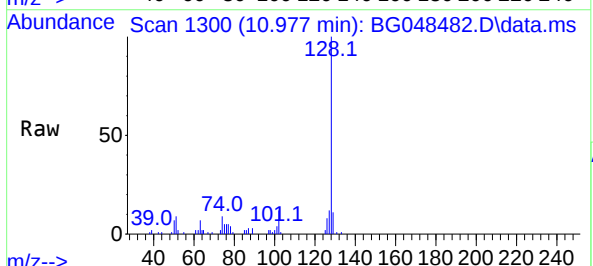
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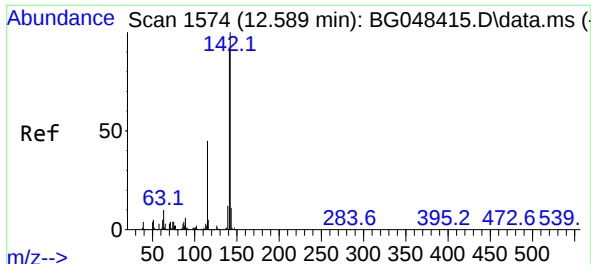
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#31
Naphthalene
Concen: 2.63 ng
RT: 10.977 min Scan# 1300
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

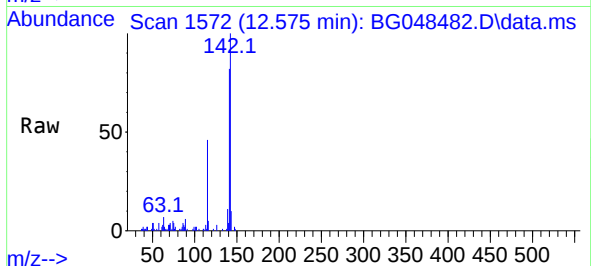
Tgt Ion: 128 Resp: 36348
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 12.4 11.0 16.4





#37
2-Methylnaphthalene
Concen: 3.34 ng
RT: 12.575 min Scan# 1572
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

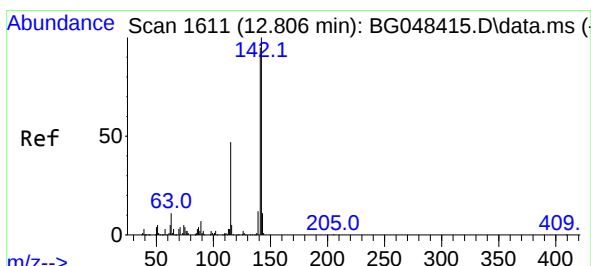
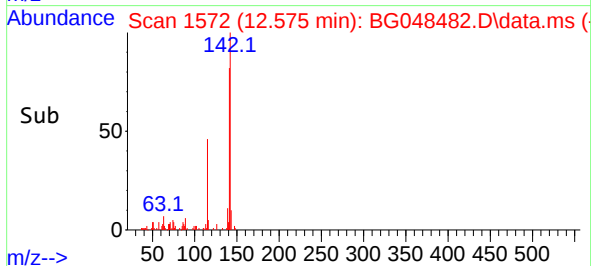
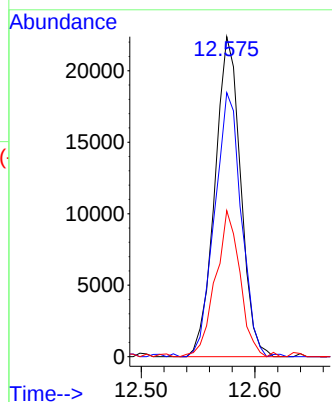
Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 35199
Ion Ratio Lower Upper
142 100
141 82.5 71.6 107.4
115 45.7 25.4 38.2#

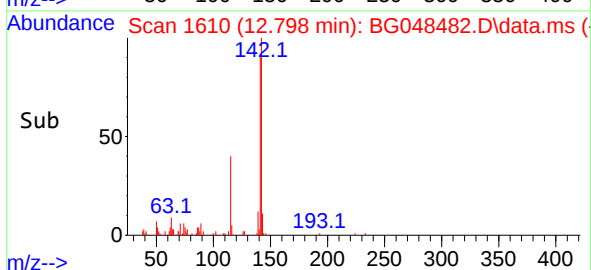
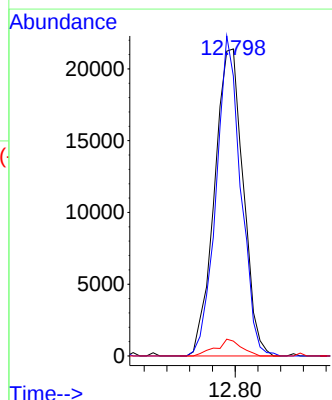
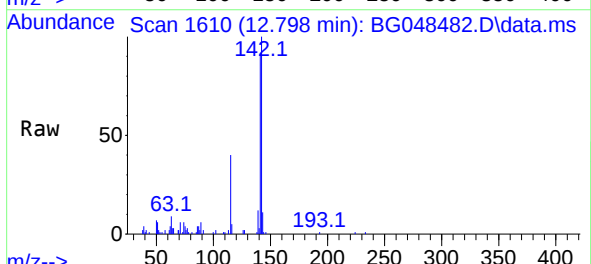
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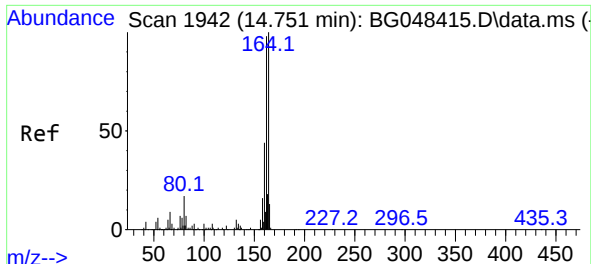
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#38
1-Methylnaphthalene
Concen: 3.79 ng
RT: 12.798 min Scan# 1610
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:142 Resp: 37556
Ion Ratio Lower Upper
142 100
141 91.2 75.4 113.2
116 4.8 2.9 4.3#





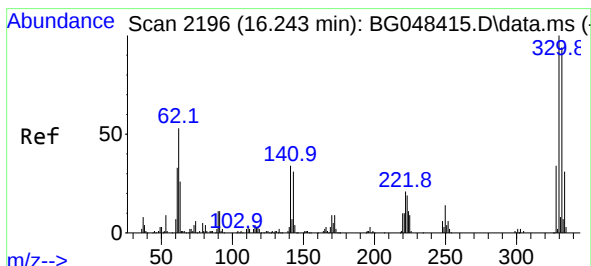
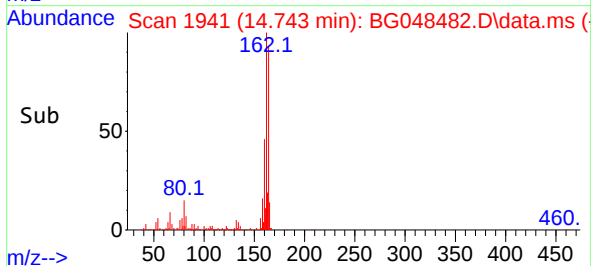
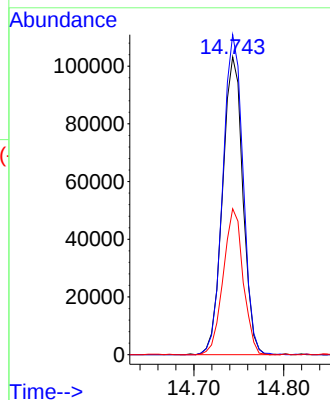
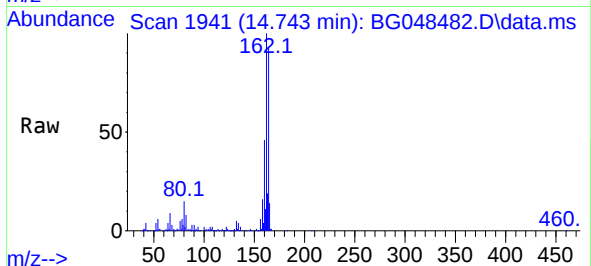
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.743 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:164 Resp: 161740
Ion Ratio Lower Upper
164 100
162 107.5 82.3 123.5
160 49.0 35.3 52.9

Instrument :
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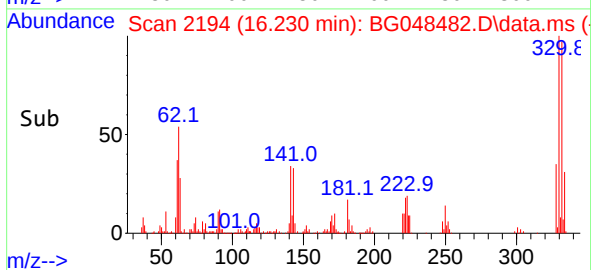
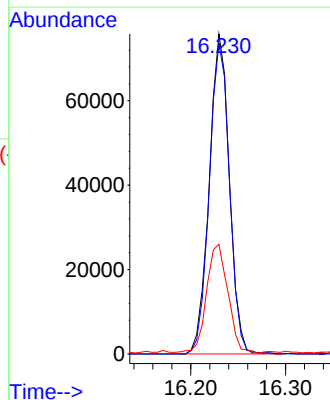
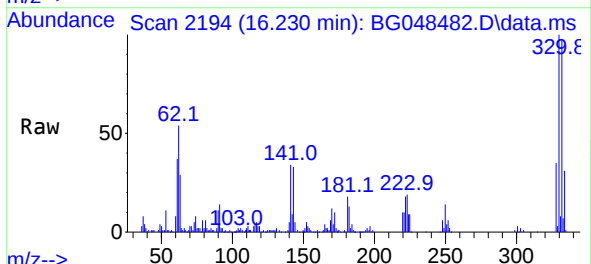
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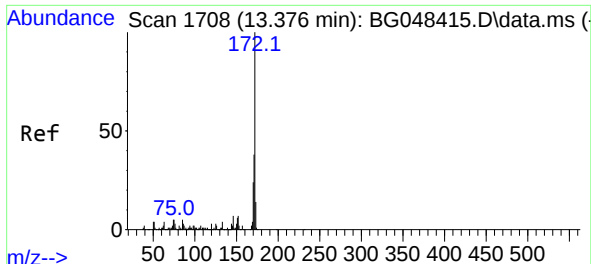
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#42
2,4,6-Tribromophenol
Concen: 42.43 ng
RT: 16.230 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

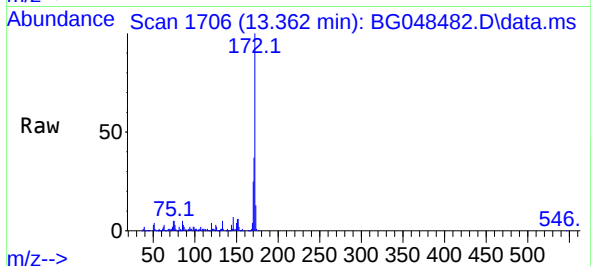
Tgt Ion:330 Resp: 111609
Ion Ratio Lower Upper
330 100
332 97.5 76.5 114.7
141 36.0 26.0 39.0





#45
2-Fluorobiphenyl
Concen: 33.26 ng
RT: 13.362 min Scan# 1706
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

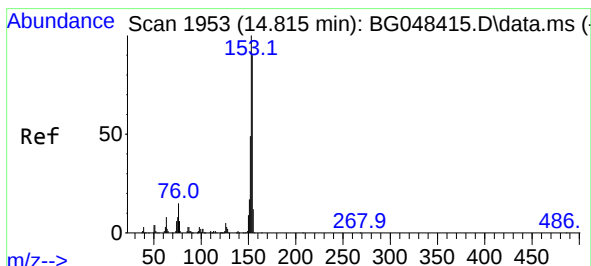
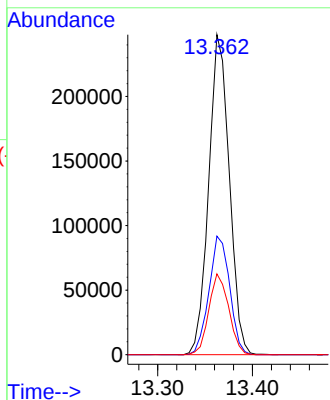
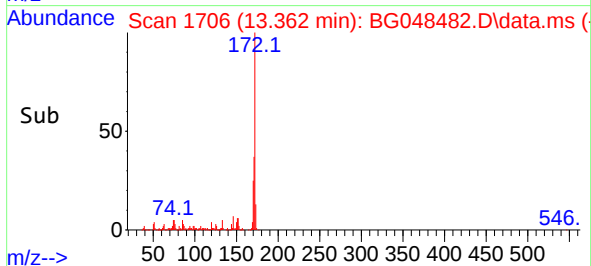
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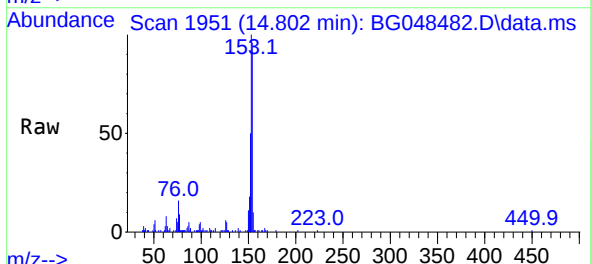
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Ion Ratio Lower Upper
172 100
171 37.0 31.3 46.9
170 25.3 20.8 31.2

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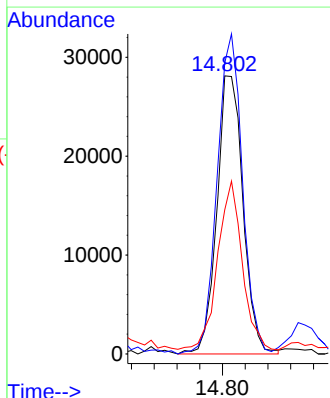
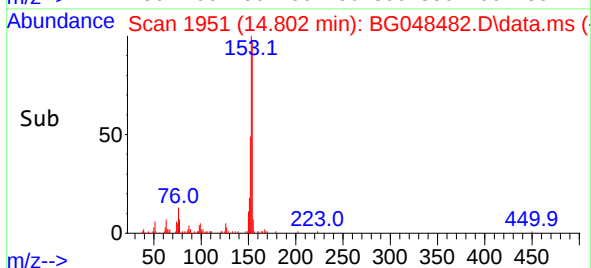
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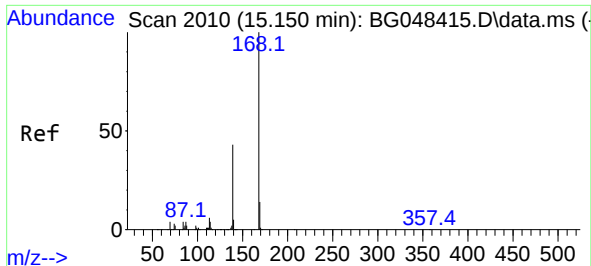


#52
Acenaphthene
Concen: 4.41 ng
RT: 14.802 min Scan# 1951
Delta R.T. -0.011 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14



Tgt Ion:154 Resp: 44882
Ion Ratio Lower Upper
154 100
153 104.6 90.3 135.5
152 51.8 43.8 65.8





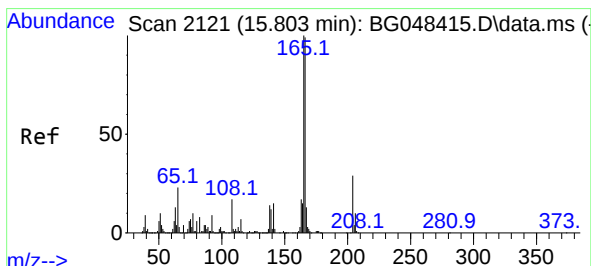
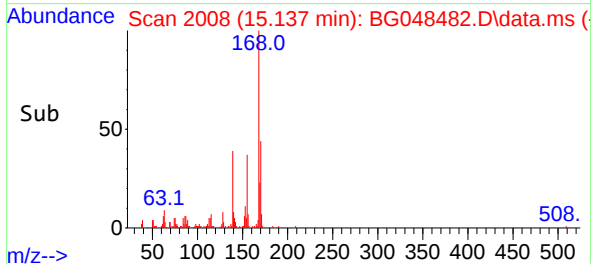
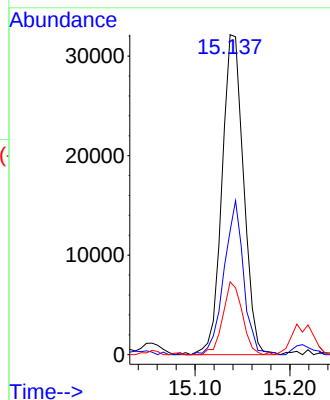
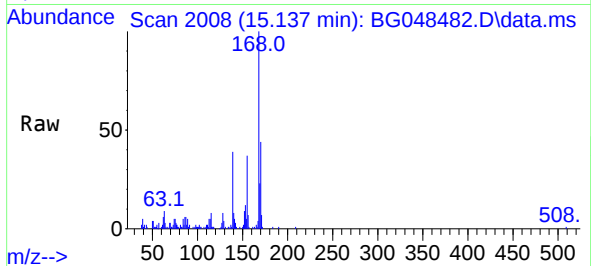
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Dibenzenofuran
Concen: 3.36 ng
RT: 15.137 min Scan# 2008
Delta R.T. -0.011 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:168 Resp: 50963
Ion Ratio Lower Upper
168 100
139 38.7 28.6 43.0
169 22.7 11.0 16.6#

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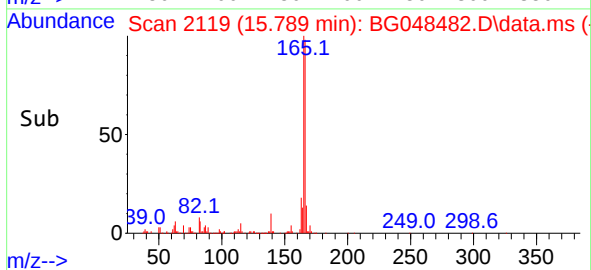
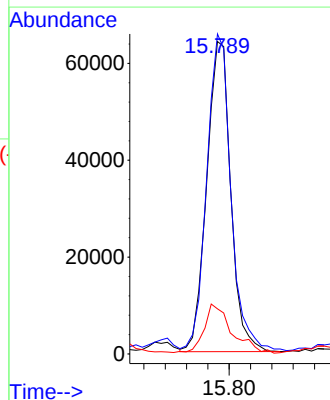
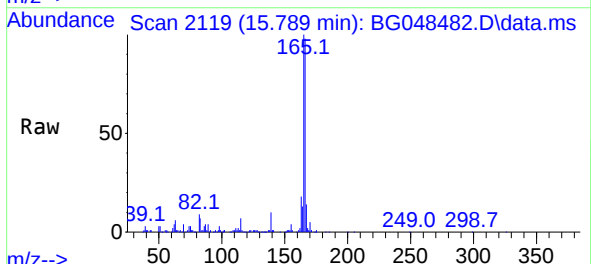
Manual Integrations
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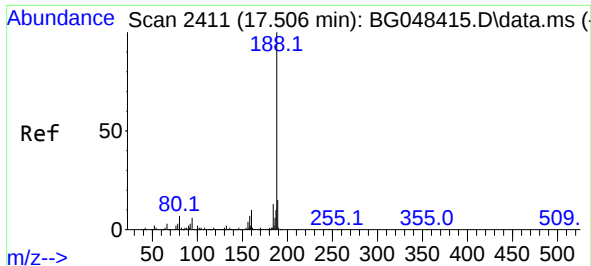
mohammad
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#58
Fluorene
Concen: 7.86 ng
RT: 15.789 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:166 Resp: 100099
Ion Ratio Lower Upper
166 100
165 102.4 77.2 115.8
167 14.4 11.4 17.2





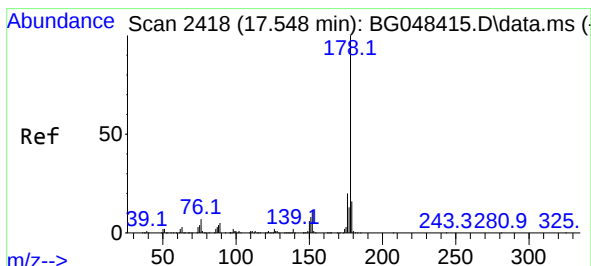
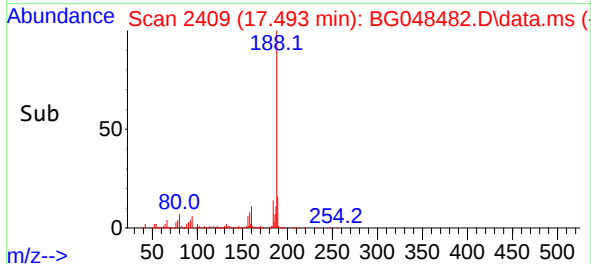
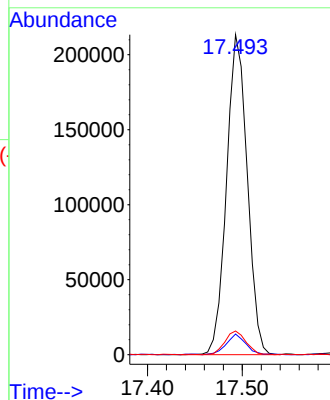
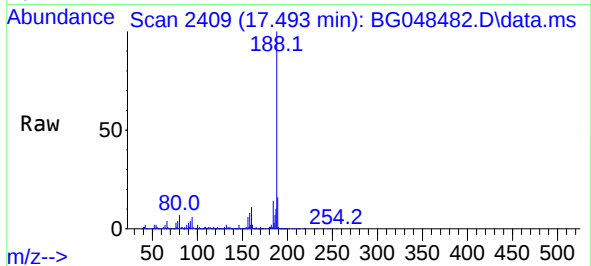
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.493 min Scan# 2409
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:188 Resp: 323548
Ion Ratio Lower Upper
188 100
94 6.5 6.3 9.5
80 7.4 7.0 10.6

Instrument :
BNA_G
ClientSampled :
OK-03-032221

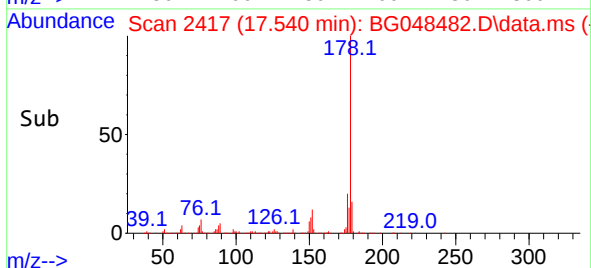
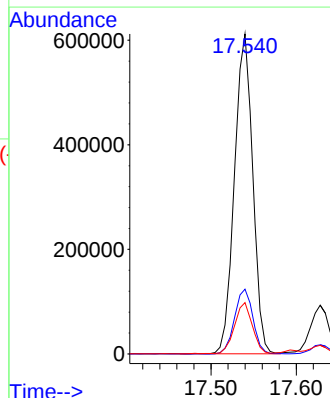
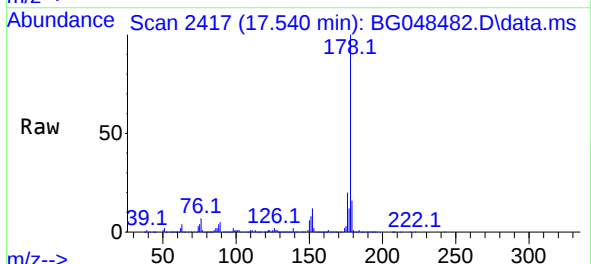
Manual Integrations
APPROVED

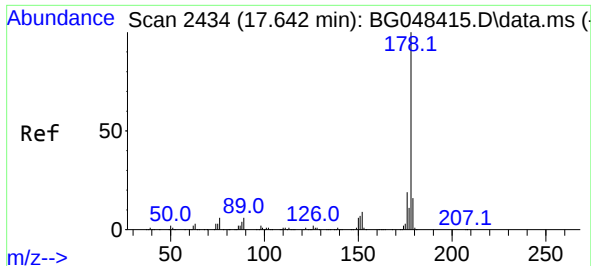
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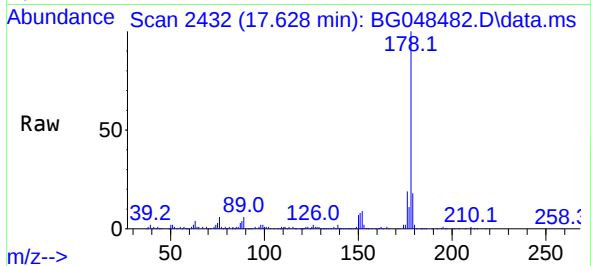
#71
Phenanthrene
Concen: 53.44 ng
RT: 17.540 min Scan# 2417
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:178 Resp: 913275
Ion Ratio Lower Upper
178 100
176 20.2 16.7 25.1
179 16.1 14.0 21.0

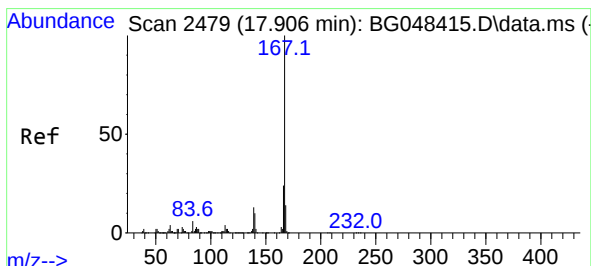
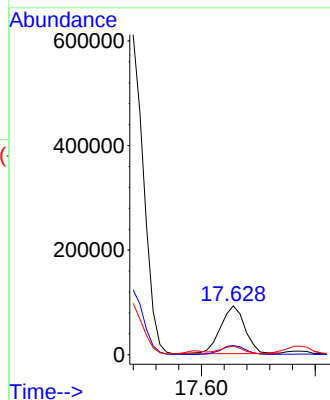
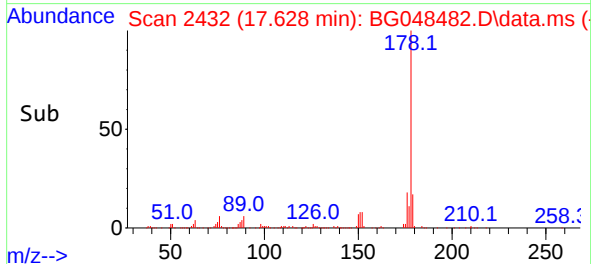




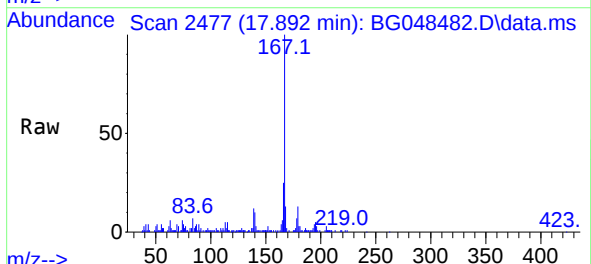
#72
 Anthracene
 Concen: 8.06 ng
 RT: 17.628 min Scan# 2432
 Delta R.T. -0.005 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14



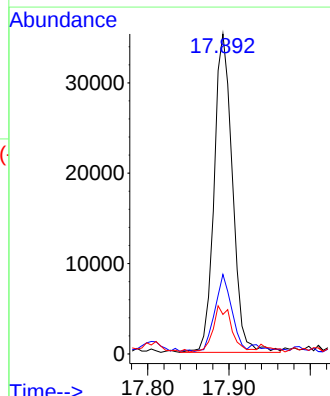
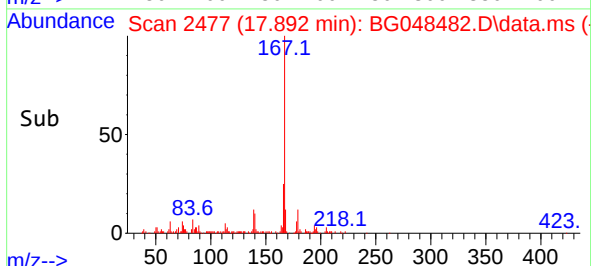
Tgt Ion:178 Resp: 136756
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.4 24.6
 179 17.7 13.8 20.6



#73
 Carbazole
 Concen: 3.41 ng
 RT: 17.892 min Scan# 2477
 Delta R.T. -0.005 min
 Lab File: BG048482.D
 Acq: 23 Mar 2021 23:14



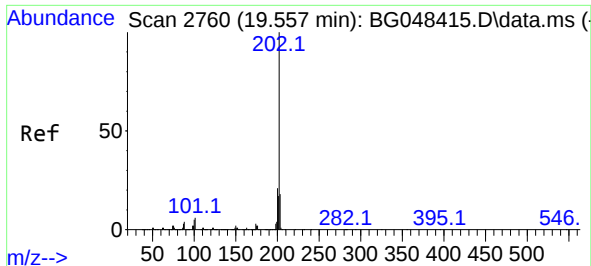
Tgt Ion:167 Resp: 55202
 Ion Ratio Lower Upper
 167 100
 166 24.8 18.7 28.1
 139 12.4 9.6 14.4



Instrument :
 BNA_G
 ClientSampleId :
 OK-03-032221

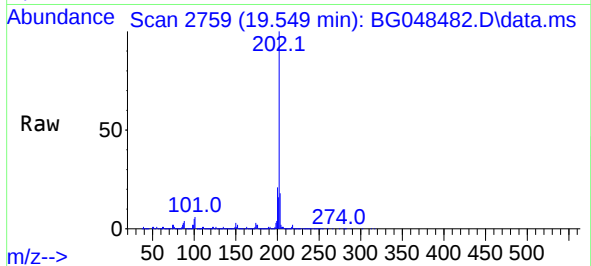
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#75
Fluoranthene
Concen: 35.96 ng
RT: 19.549 min Scan# 2759
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

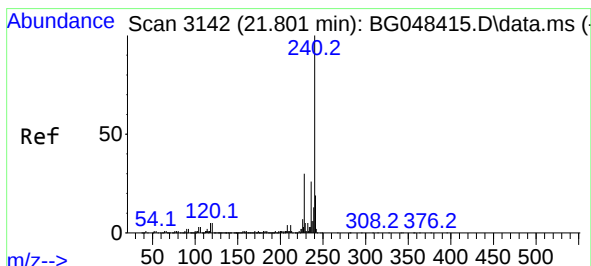
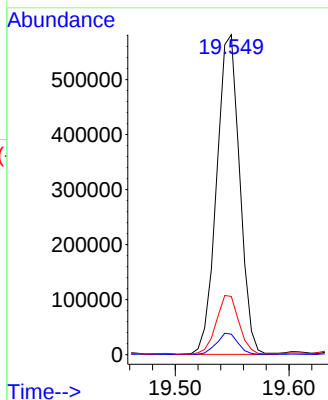
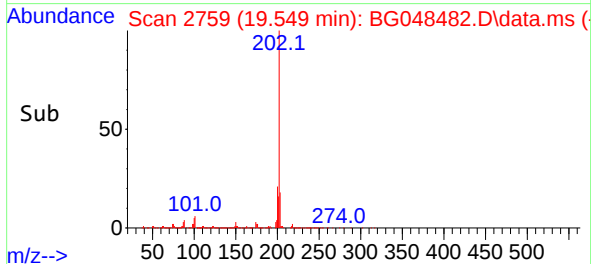
Instrument :
BNA_G
ClientSampleId :
OK-03-032221



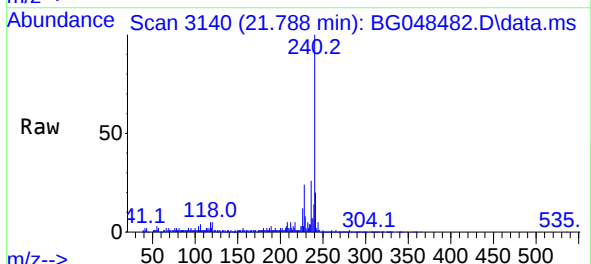
Tgt Ion:202 Resp: 818316
Ion Ratio Lower Upper
202 100
101 6.4 0.0 29.7
203 18.2 0.0 39.2

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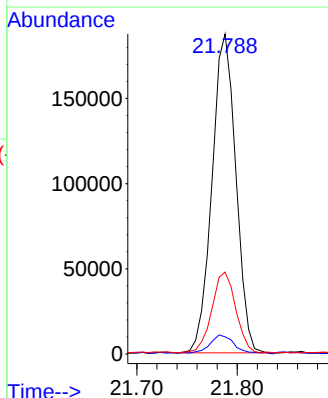
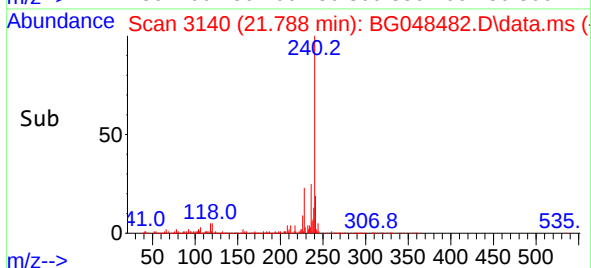
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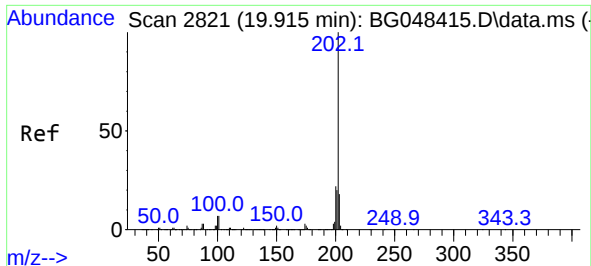


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.788 min Scan# 3140
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14



Tgt Ion:240 Resp: 308730
Ion Ratio Lower Upper
240 100
120 5.3 6.2 9.4#
236 25.6 20.5 30.7





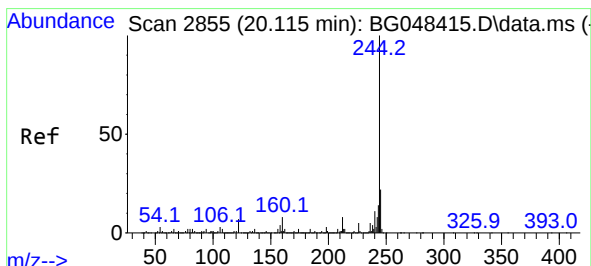
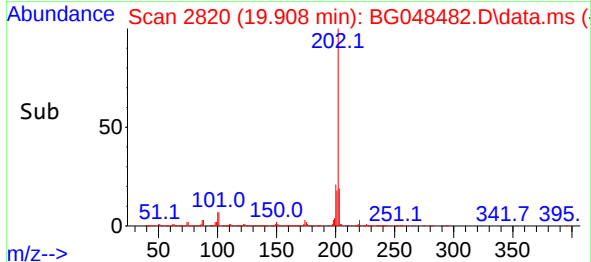
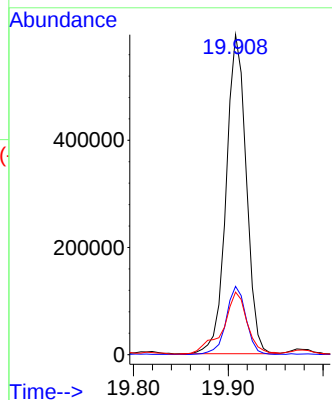
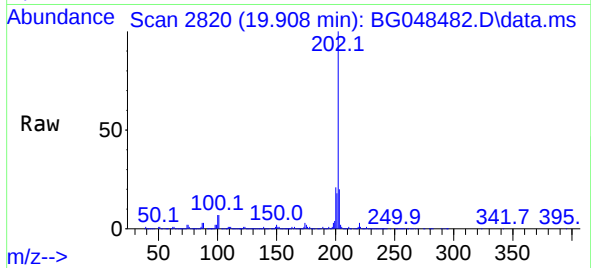
#78
Pyrene
Concen: 41.26 ng
RT: 19.908 min Scan# 2820
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:202 Resp: 874893
Ion Ratio Lower Upper
202 100
200 21.4 18.6 27.8
203 19.6 15.3 22.9

Instrument :
BNA_G
ClientSampleId :
OK-03-032221

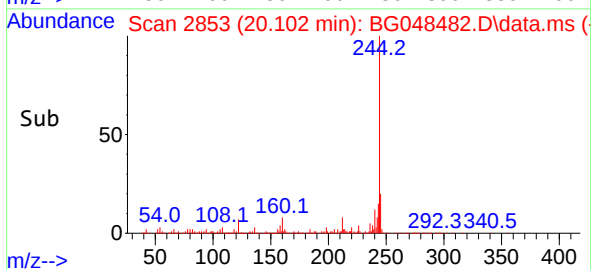
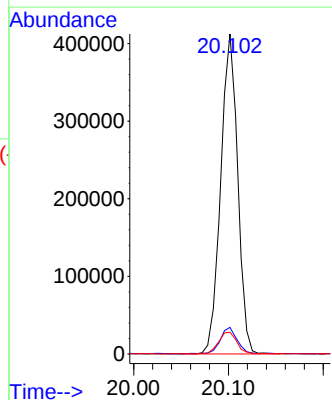
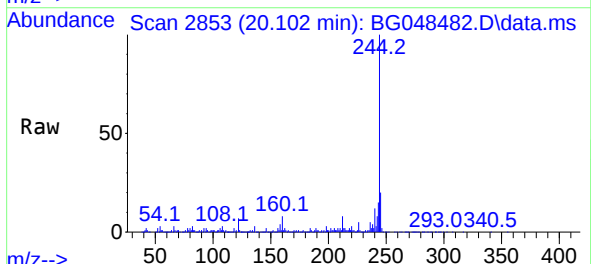
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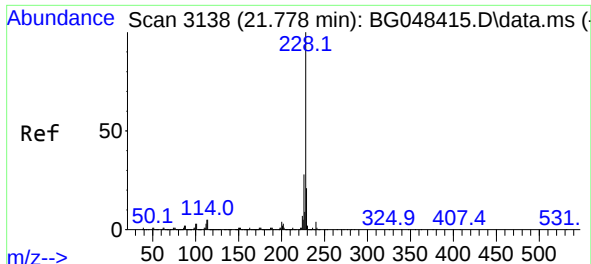
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#79
Terphenyl-d14
Concen: 30.04 ng
RT: 20.102 min Scan# 2853
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

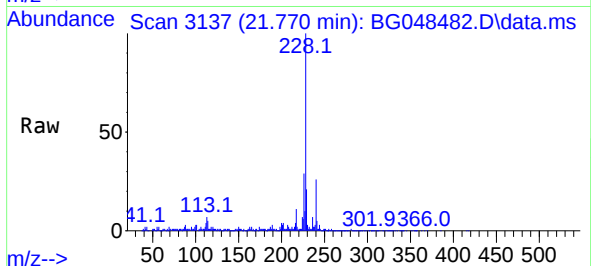
Tgt Ion:244 Resp: 514176
Ion Ratio Lower Upper
244 100
212 8.3 6.7 10.1
122 6.8 7.8 11.6#





#81
Benzo(a)anthracene
Concen: 18.24 ng
RT: 21.770 min Scan# 3137
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

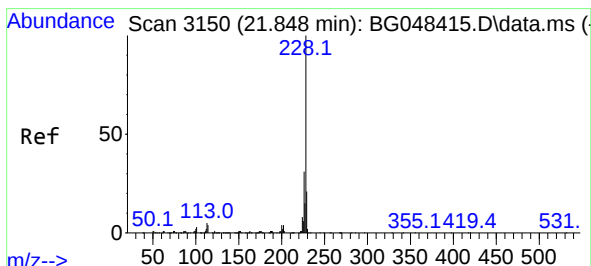
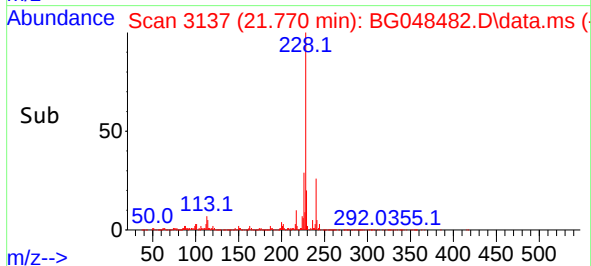
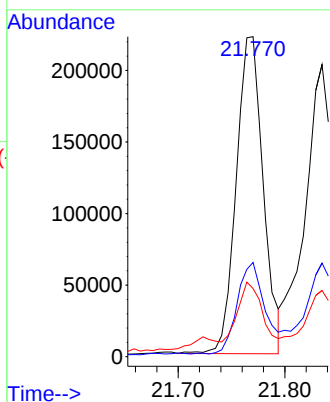
Instrument :
BNA_G
ClientSampleId :
OK-03-032221



Tgt Ion:228 Resp: 390626
Ion Ratio Lower Upper
228 100
226 29.4 23.3 34.9
229 21.3 17.4 26.0

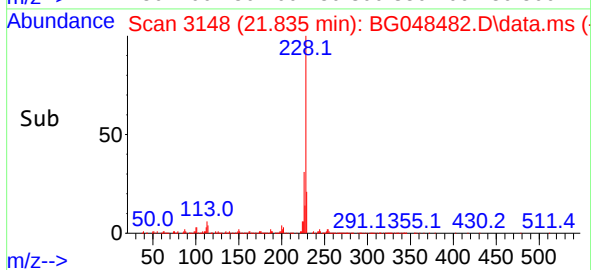
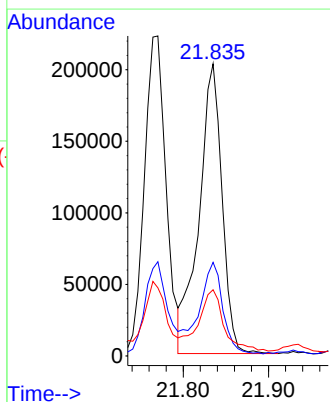
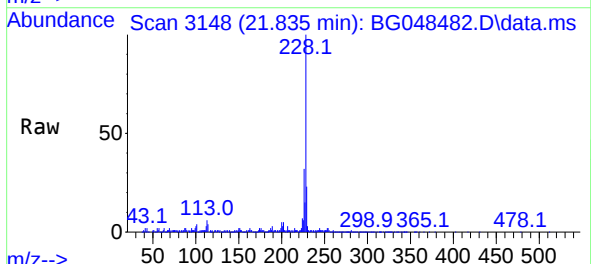
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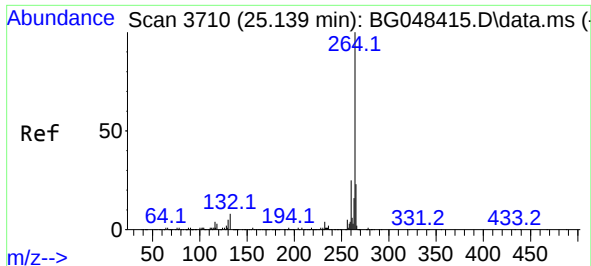
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#83
Chrysene
Concen: 18.54 ng
RT: 21.835 min Scan# 3148
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

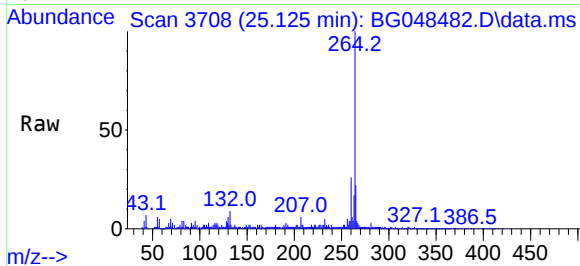
Tgt Ion:228 Resp: 380595
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.4
229 22.7 17.3 25.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.125 min Scan# 3708
Delta R.T. 0.001 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

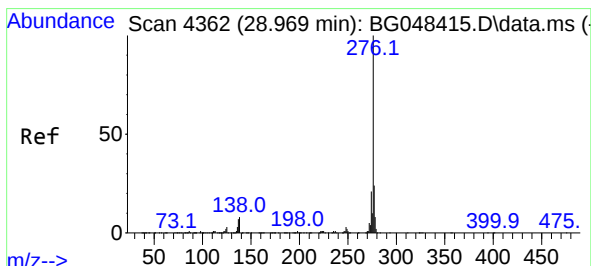
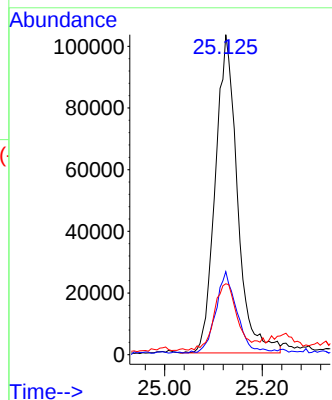
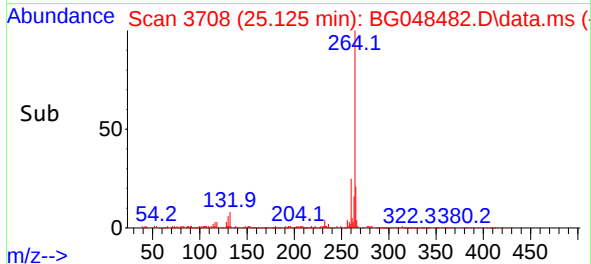
Instrument :
BNA_G
ClientSampleId :
OK-03-032221



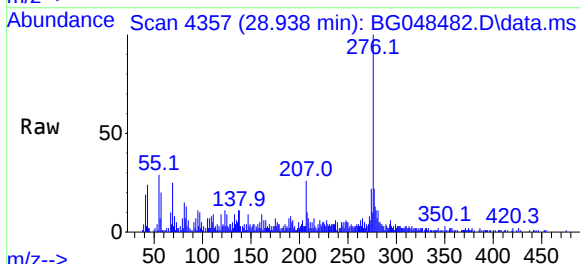
Tgt Ion:264 Resp: 324763
Ion Ratio Lower Upper
264 100
260 26.0 18.8 28.2
265 22.1 17.8 26.8

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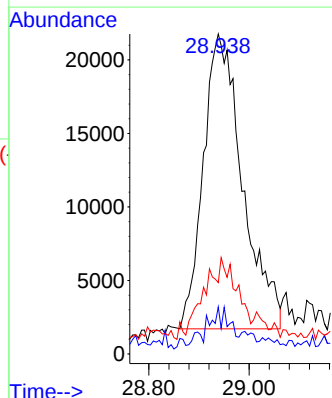
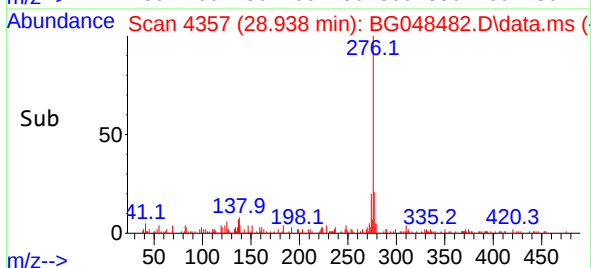
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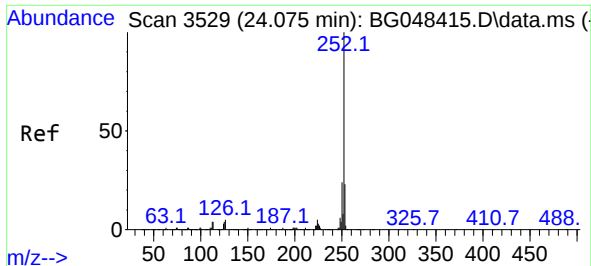


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.40 ng
RT: 28.938 min Scan# 4357
Delta R.T. -0.011 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14



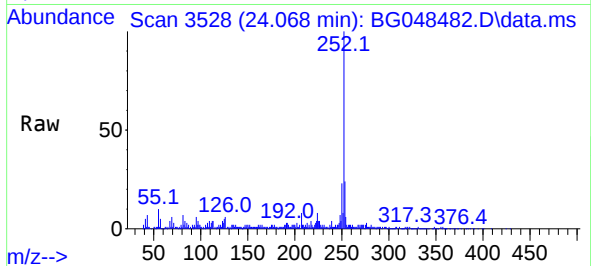
Tgt Ion:276 Resp: 108856
Ion Ratio Lower Upper
276 100
138 3.0 16.2 24.2#
277 9.8 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 14.80 ng
RT: 24.068 min Scan# 3528
Delta R.T. 0.007 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

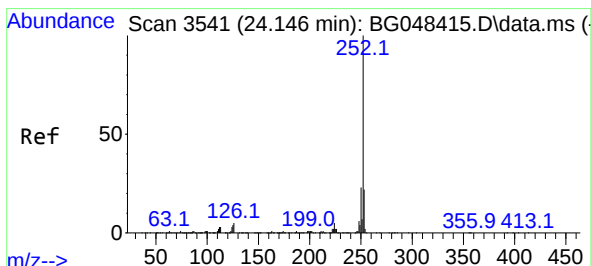
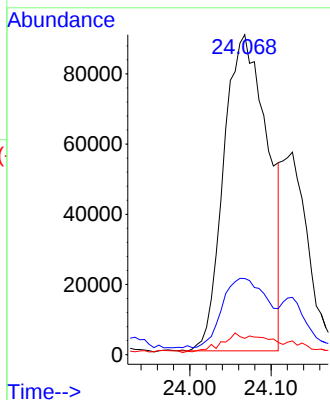
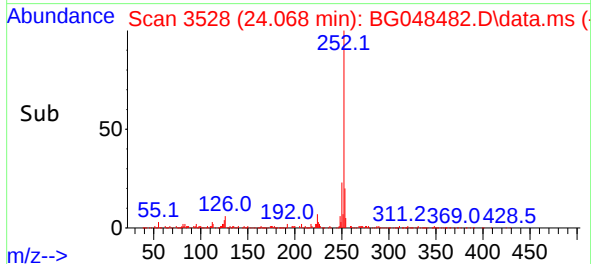
Instrument :
BNA_G
ClientSampleId :
OK-03-032221



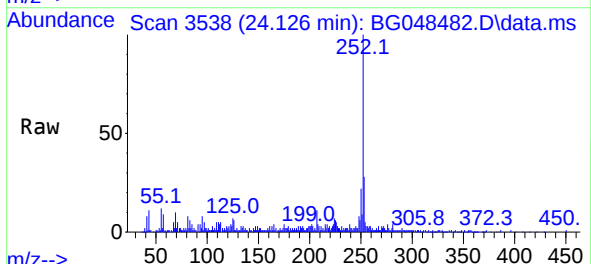
Tgt Ion:252 Resp: 338696
Ion Ratio Lower Upper
252 100
253 23.8 18.7 28.1
125 5.1 6.5 9.7#

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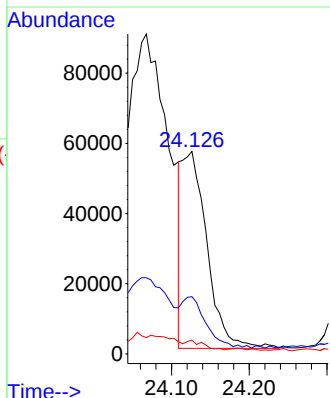
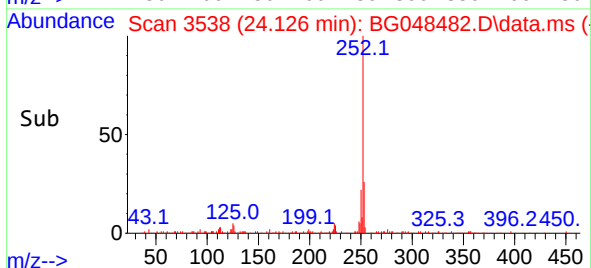
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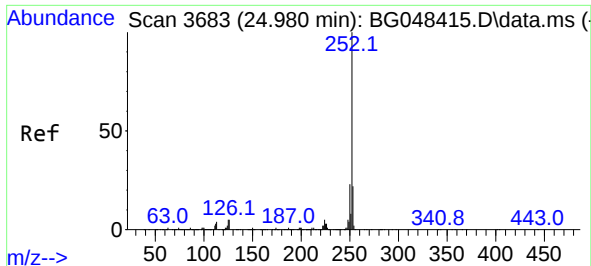


#89
Benzo(k)fluoranthene
Concen: 5.82 ng m
RT: 24.126 min Scan# 3538
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14



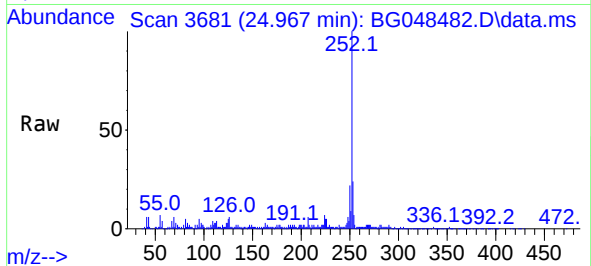
Tgt Ion:252 Resp: 125664
Ion Ratio Lower Upper
252 100
253 28.3 18.6 27.8#
125 6.8 6.8 10.2





#90
Benzo(a)pyrene
Concen: 13.72 ng
RT: 24.967 min Scan# 3681
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

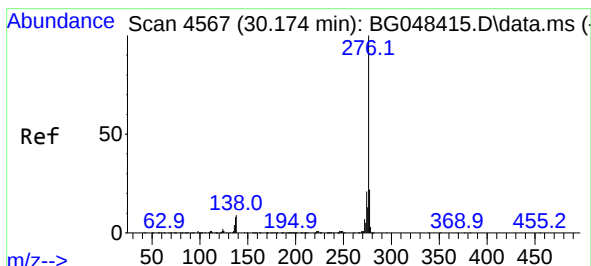
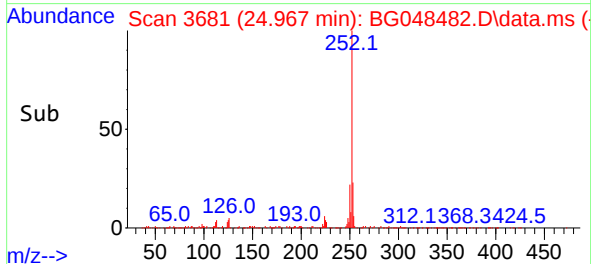
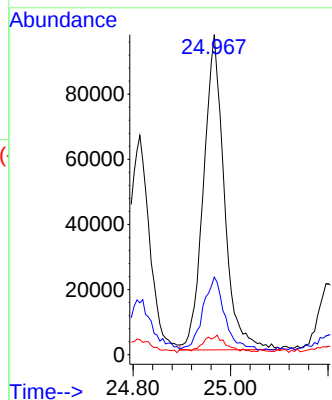
Instrument :
BNA_G
ClientSampled :
OK-03-032221



Tgt Ion:252 Resp: 286403
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 5.3 7.0 10.4#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.37 ng
RT: 30.143 min Scan# 4562
Delta R.T. -0.005 min
Lab File: BG048482.D
Acq: 23 Mar 2021 23:14

Tgt Ion:276 Resp: 110053
Ion Ratio Lower Upper
276 100
277 24.7 19.6 29.4
138 10.0 13.4 20.2#

