

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
 Data File : BG048592.D
 Acq On : 5 Apr 2021 20:40
 Operator : CG/JU
 Sample : M1909-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FS-SB-10-26-27

Manual Integrations
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Quant Time: Apr 06 05:02:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 02 10:20:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.106	152	39740	20.00	ng	# 0.01
21) Naphthalene-d8	11.026	136	200162m	20.00	ng	0.10
39) Acenaphthene-d10	14.752	164	109960	20.00	ng	0.00
64) Phenanthrene-d10	17.513	188	196812	20.00	ng	# 0.00
76) Chrysene-d12	21.820	240	180155	20.00	ng	# 0.02
86) Perylene-d12	25.180	264	178902	20.00	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.680	112	249280	110.75	ng	0.04
7) Phenol-d6	7.266	99	393004	120.39	ng	0.02
23) Nitrobenzene-d5	9.281	82	274508	66.40	ng	0.01
42) 2,4,6-Tribromophenol	16.244	330	106863	73.93	ng	0.00
45) 2-Fluorobiphenyl	13.377	172	676920	91.50	ng	0.00
79) Terphenyl-d14	20.128	244	793172	80.52	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	11.132	128	24660700	2396.17	ng	# 1
37) 2-Methylnaphthalene	12.642	142	7699135	939.70	ng	# 78
38) 1-Methylnaphthalene	12.848	142	4442690	568.57	ng	# 94
46) 1,1'-Biphenyl	13.588	154	661049	82.28	ng	94
49) Acenaphthylene	14.475	152	139398	14.53	ng	# 70
50) Dimethylphthalate	14.193	163	33036	4.05	ng	# 92
52) Acenaphthene	14.816	154	116591	16.80	ng	# 88
55) Dibenzofuran	15.151	168	143891	14.19	ng	# 94
58) Fluorene	15.803	166	170640	20.11	ng	99
71) Phenanthrene	17.560	178	673403	65.91	ng	99
72) Anthracene	17.648	178	107201m	10.53	ng	
73) Carbazole	17.918	167	48769	5.05	ng	# 71
75) Fluoranthene	19.575	202	644223	50.86	ng	96
78) Pyrene	19.934	202	622902	50.29	ng	94
81) Benzo(a)anthracene	21.802	228	304290	25.28	ng	97
83) Chrysene	21.867	228	282908	24.63	ng	92
87) Indeno(1,2,3-cd)pyrene	29.023	276	129316	10.31	ng	# 87
88) Benzo(b)fluoranthene	24.111	252	303999	26.16	ng	95
89) Benzo(k)fluoranthene	24.170	252	89764m	8.04	ng	
90) Benzo(a)pyrene	25.022	252	220896	20.63	ng	# 99
91) Dibenzo(a,h)anthracene	29.076	278	37143m	3.47	ng	
92) Benzo(g,h,i)perylene	30.233	276	122097	11.65	ng	95

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

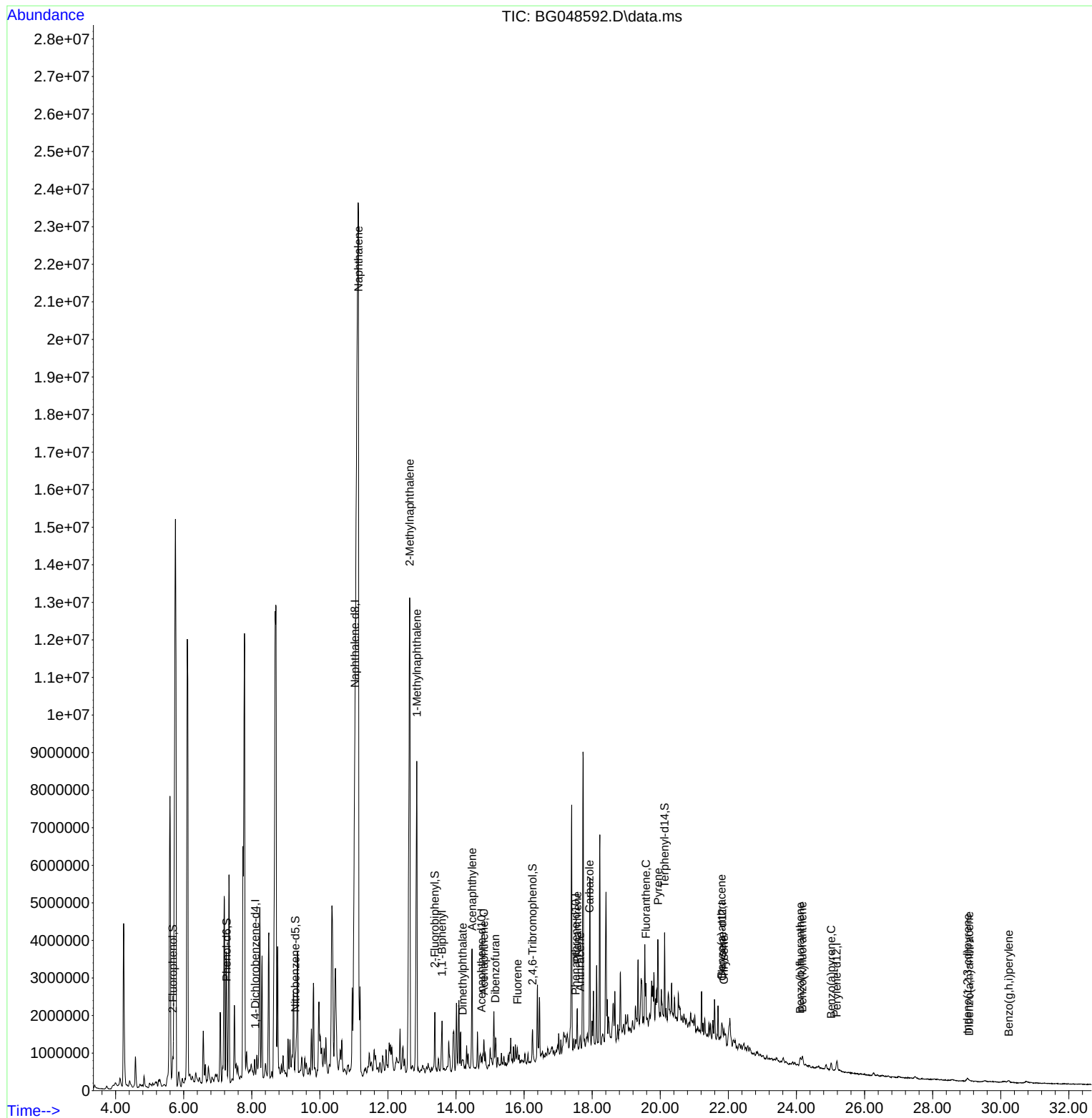
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

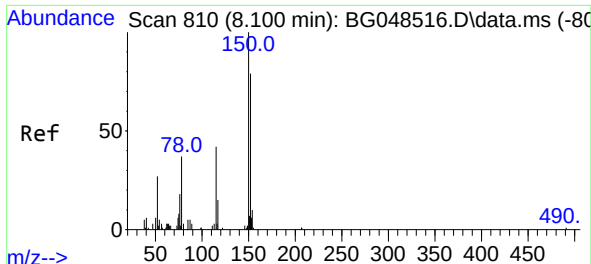
Instrument :
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Quant Time: Apr 06 05:02:51 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 02 10:20:56 2021
Response via : Initial Calibration





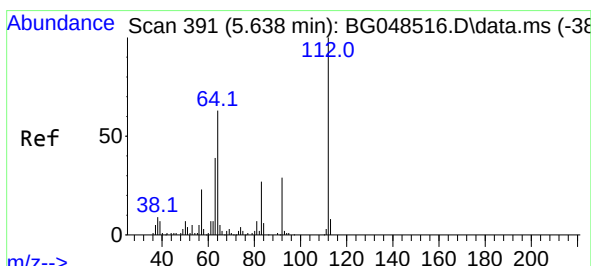
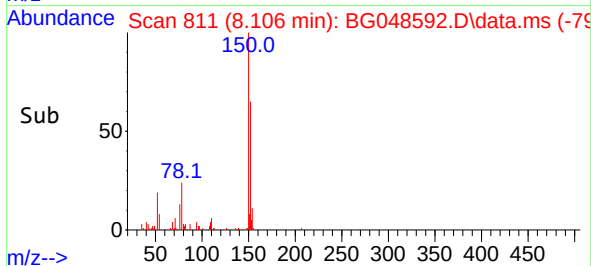
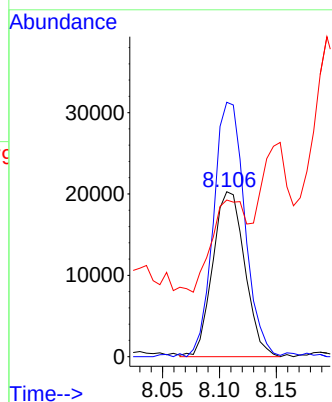
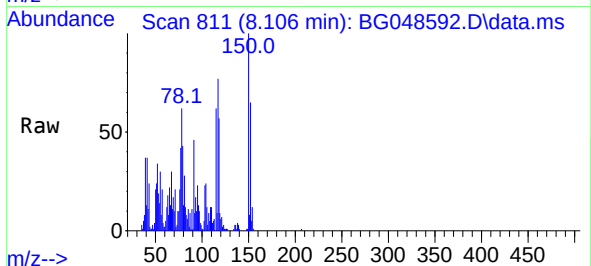
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.106 min Scan# 811
Delta R.T. 0.012 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion:152 Resp: 39740
Ion Ratio Lower Upper
152 100
150 154.2 101.3 151.9#
115 94.9 42.3 63.5#

Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27

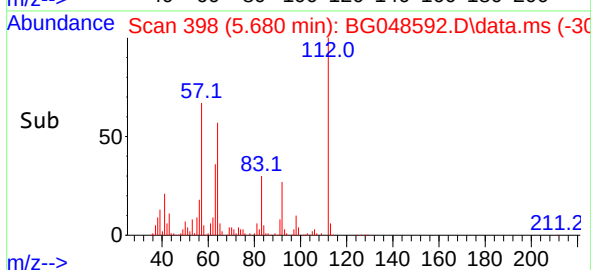
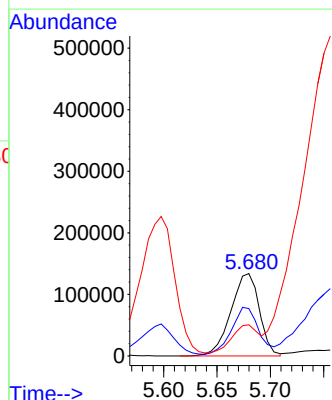
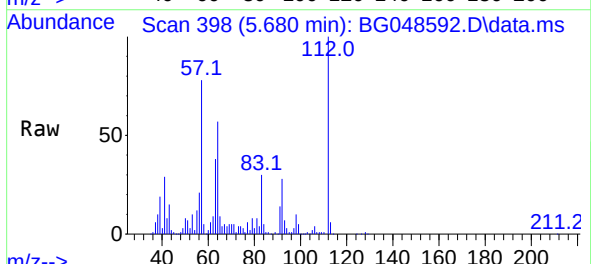
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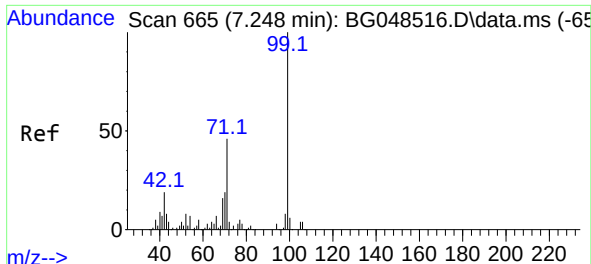
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#5
2-Fluorophenol
Concen: 110.75 ng
RT: 5.680 min Scan# 398
Delta R.T. 0.042 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion:112 Resp: 249280
Ion Ratio Lower Upper
112 100
64 57.5 50.4 75.6
63 37.8 31.4 47.2





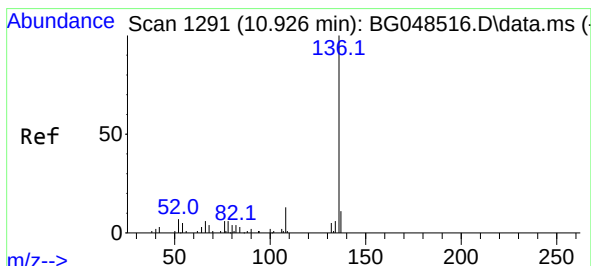
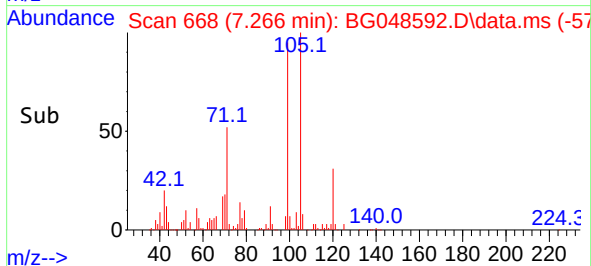
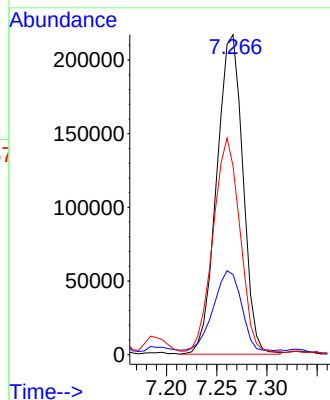
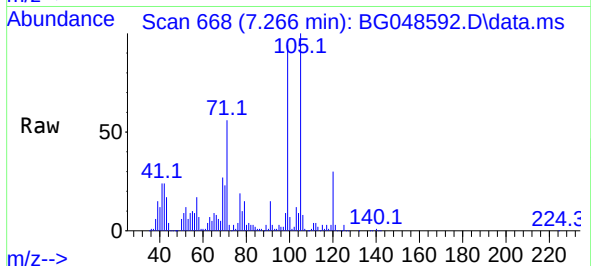
#7
Phenol-d6
Concen: 120.39 ng
RT: 7.266 min Scan# 668
Delta R.T. 0.019 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion: 99 Resp: 393004
Ion Ratio Lower Upper
99 100
42 25.0 15.5 23.3#
71 59.0 36.6 54.8#

Instrument :
BNA_G
ClientSampleId :
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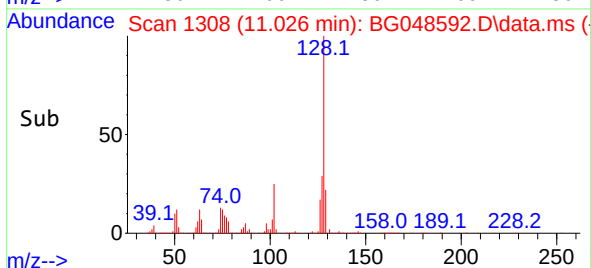
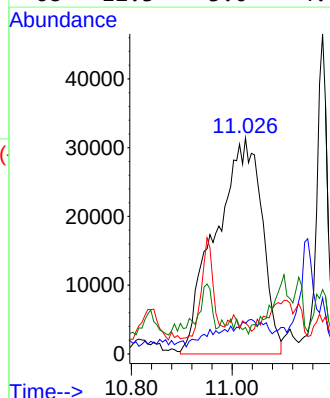
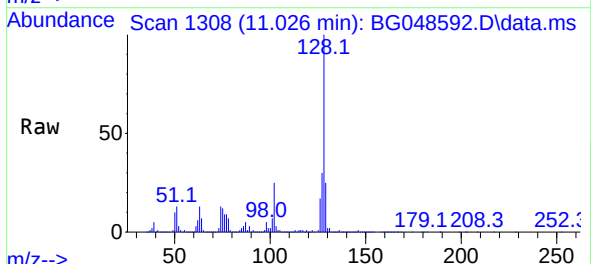
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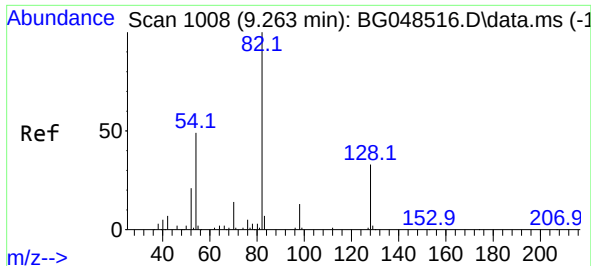
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#21
Naphthalene-d8
Concen: 20.00 ng m
RT: 11.026 min Scan# 1308
Delta R.T. 0.101 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

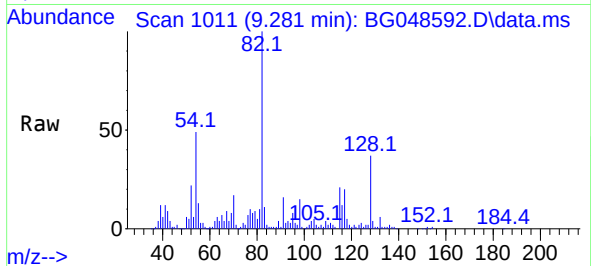
Tgt Ion:136 Resp: 200162
Ion Ratio Lower Upper
136 100
137 14.2 8.6 12.8#
54 14.4 4.2 6.4#
68 12.3 3.0 4.4#





#23
Nitrobenzene-d5
Concen: 66.40 ng
RT: 9.281 min Scan# 1011
Delta R.T. 0.013 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

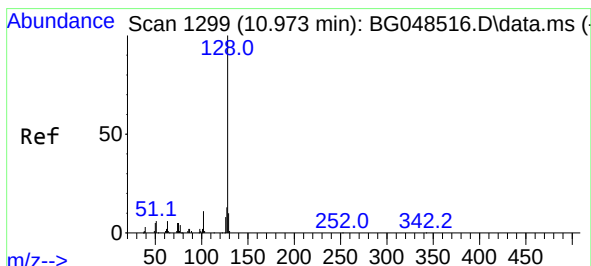
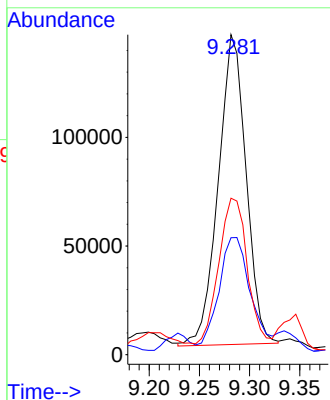
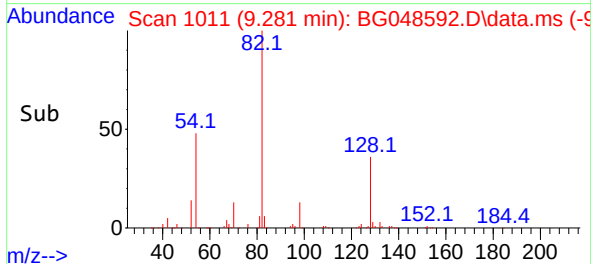
Instrument :
BNA_G
ClientSampled :
FS-SB-10-26-27



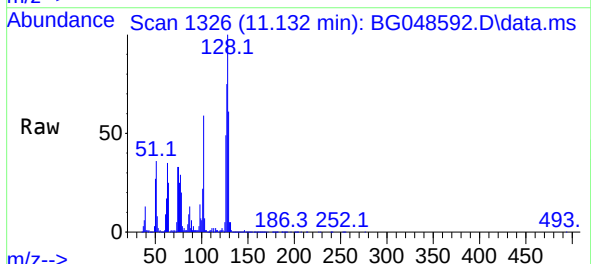
Tgt Ion: 82 Resp: 274508
Ion Ratio Lower Upper
82 100
128 36.5 26.2 39.4
54 48.9 38.9 58.3

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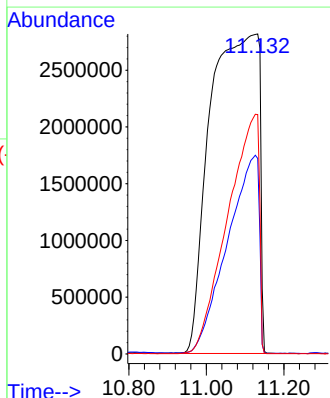
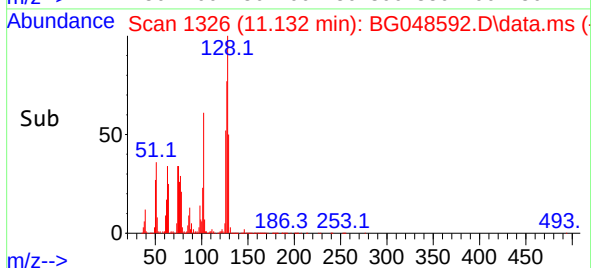
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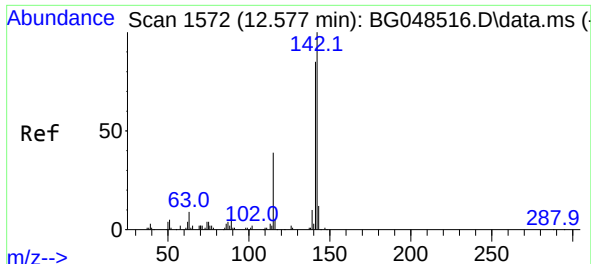


#31
Naphthalene
Concen: 2396.17 ng
RT: 11.132 min Scan# 1326
Delta R.T. 0.154 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



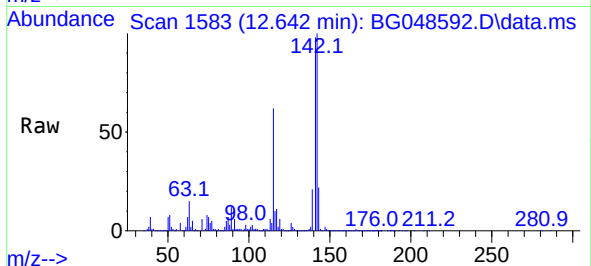
Tgt Ion: 128 Resp: 24660700
Ion Ratio Lower Upper
128 100
129 61.1 8.2 12.2#
127 74.8 10.6 16.0#





#37
2-Methylnaphthalene
Concen: 939.70 ng
RT: 12.642 min Scan# 1583
Delta R.T. 0.066 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

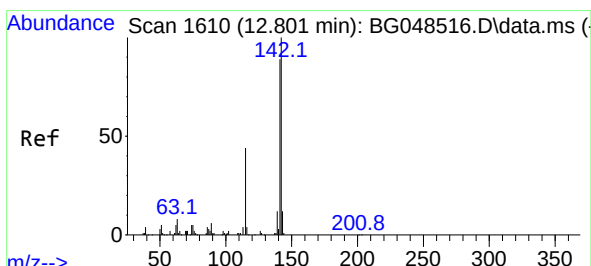
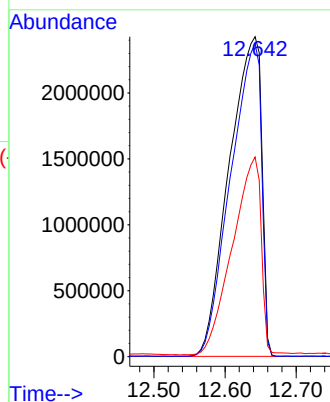
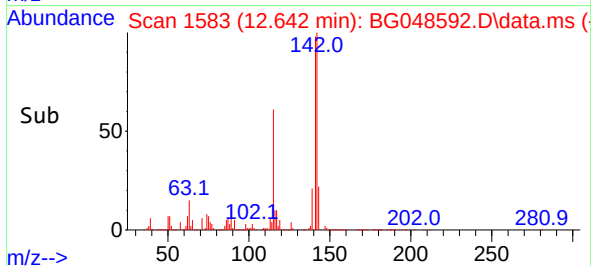
Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27



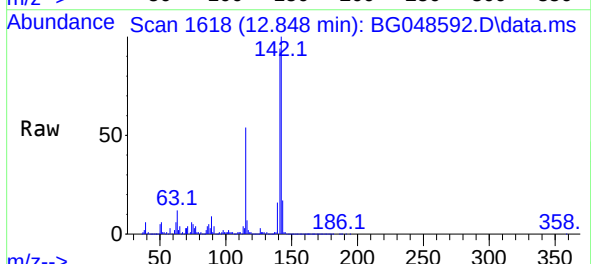
Tgt Ion:142 Resp: 7699135
Ion Ratio Lower Upper
142 100
141 97.9 68.2 102.4
115 62.4 30.8 46.2#

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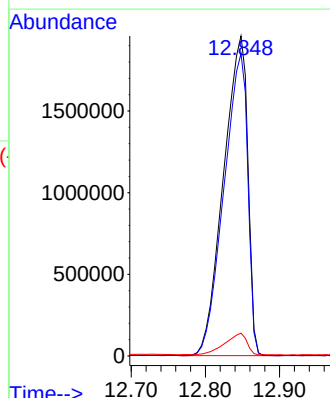
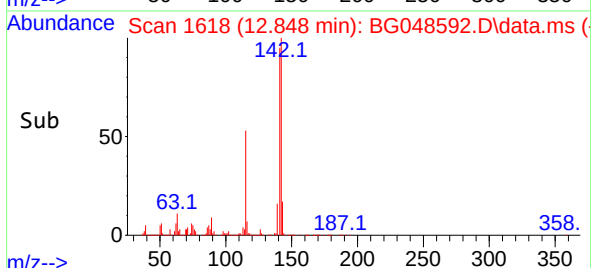
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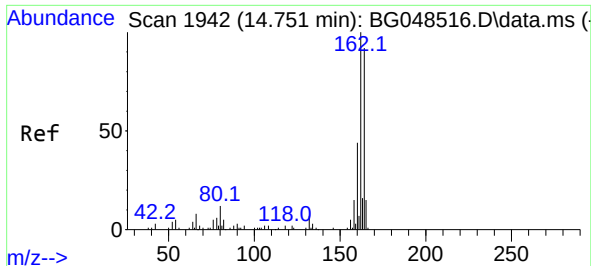


#38
1-Methylnaphthalene
Concen: 568.57 ng
RT: 12.848 min Scan# 1618
Delta R.T. 0.048 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



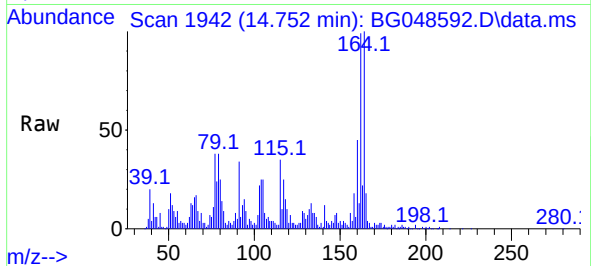
Tgt Ion:142 Resp: 4442690
Ion Ratio Lower Upper
142 100
141 94.5 71.2 106.8
116 7.2 3.4 5.0#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.752 min Scan# 1942
Delta R.T. 0.001 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

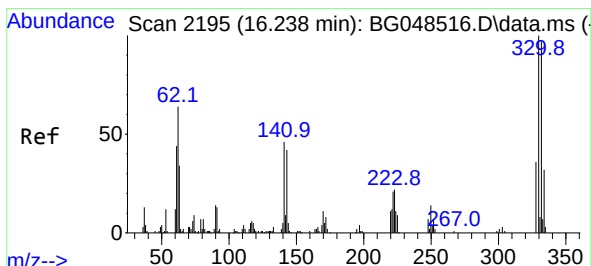
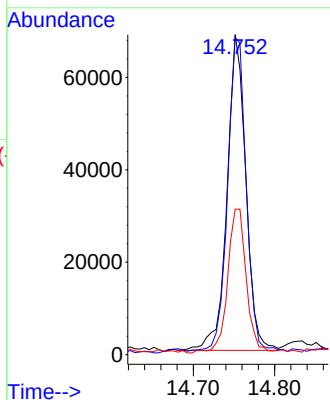
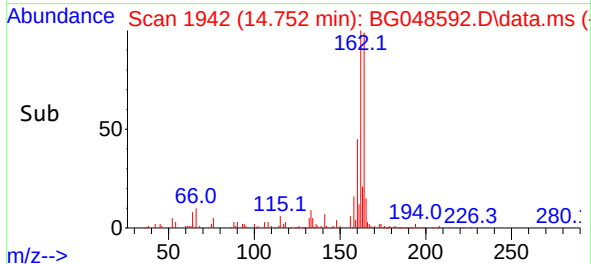
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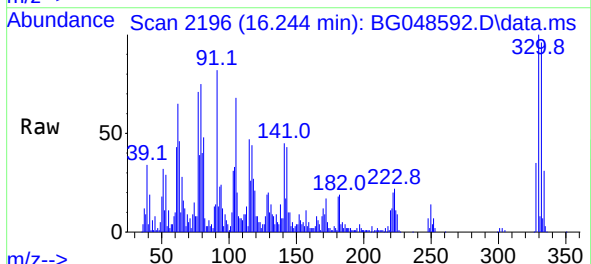
Tgt Ion:164 Resp: 109960
Ion Ratio Lower Upper
164 100
162 99.1 87.0 130.6
160 45.4 38.4 57.6

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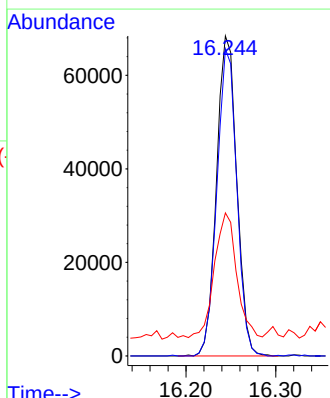
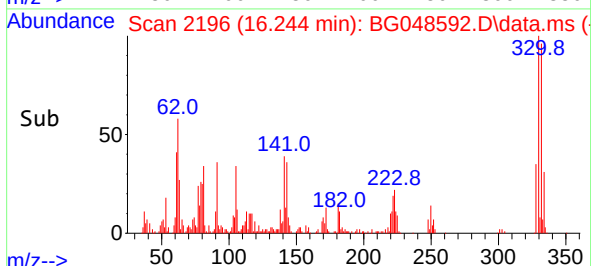
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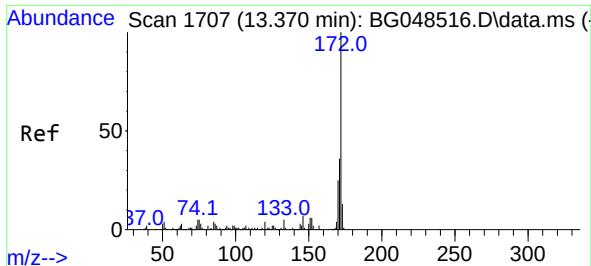


#42
2,4,6-Tribromophenol
Concen: 73.93 ng
RT: 16.244 min Scan# 2196
Delta R.T. 0.001 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



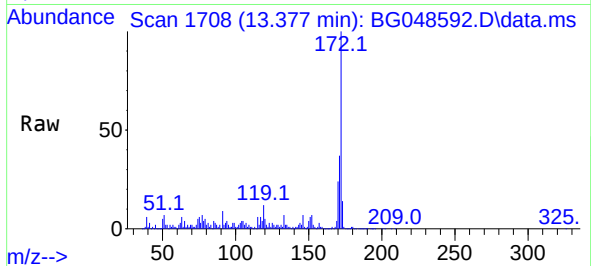
Tgt Ion:330 Resp: 106863
Ion Ratio Lower Upper
330 100
332 94.5 77.6 116.4
141 42.7 34.6 52.0





#45
2-Fluorobiphenyl
Concen: 91.50 ng
RT: 13.377 min Scan# 1708
Delta R.T. 0.007 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

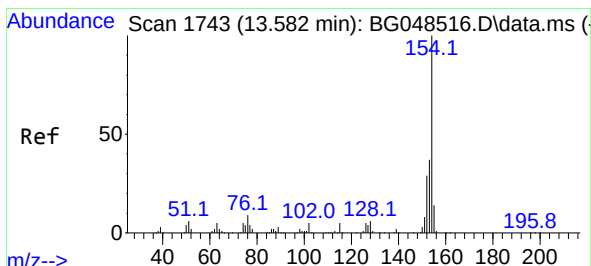
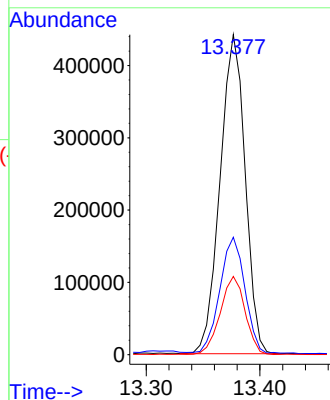
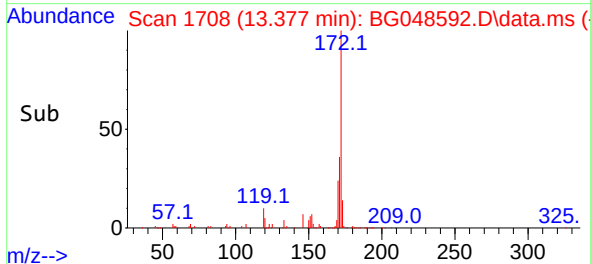
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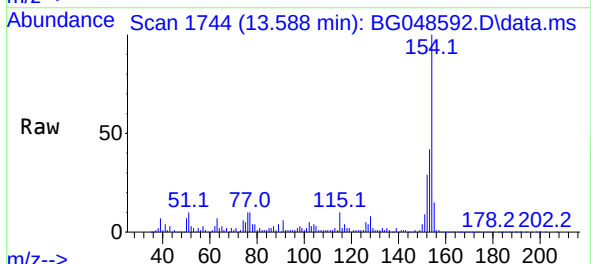
Tgt Ion:172 Resp: 676920
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.4 19.8 29.6

Manual Integrations
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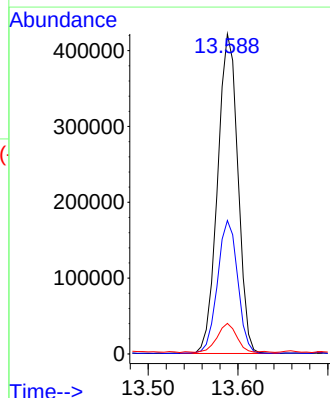
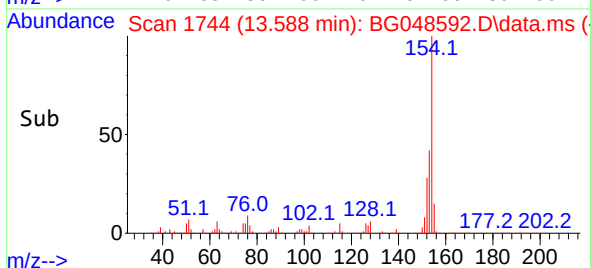
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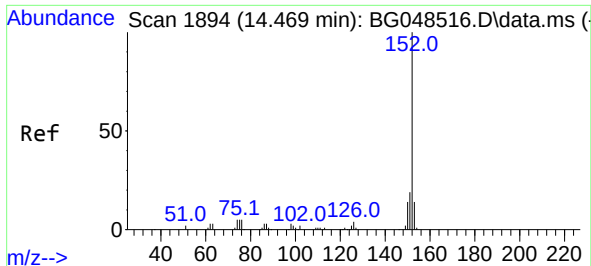


#46
1,1'-Biphenyl
Concen: 82.28 ng
RT: 13.588 min Scan# 1744
Delta R.T. 0.007 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



Tgt Ion:154 Resp: 661049
Ion Ratio Lower Upper
154 100
153 41.7 17.3 57.3
76 9.6 0.0 28.6





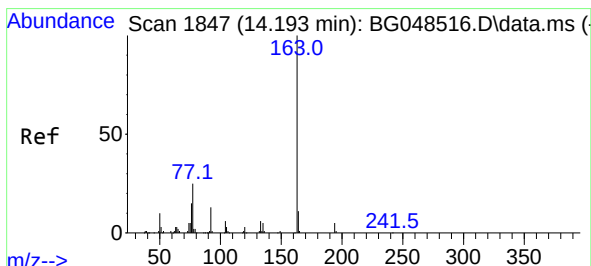
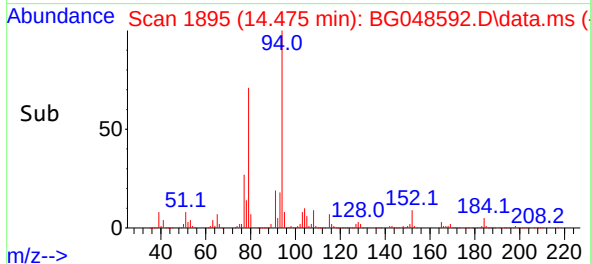
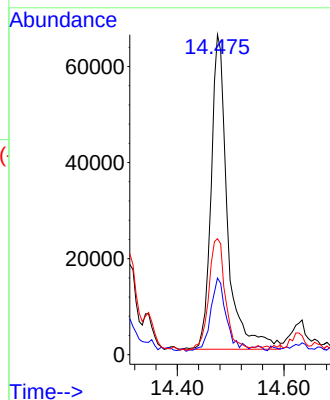
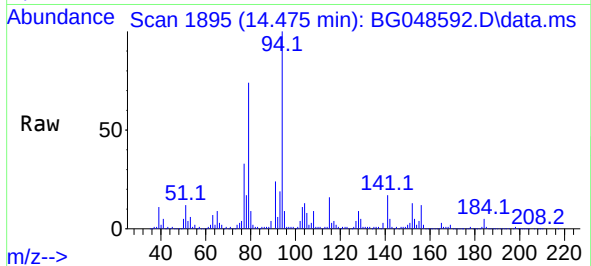
#49
Acenaphthylene
Concen: 14.53 ng
RT: 14.475 min Scan# 1895
Delta R.T. 0.001 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion:152 Resp: 139398
Ion Ratio Lower Upper
152 100
151 24.0 15.0 22.6#
153 36.3 11.0 16.6#

Instrument :
BNA_G
ClientSampleId :
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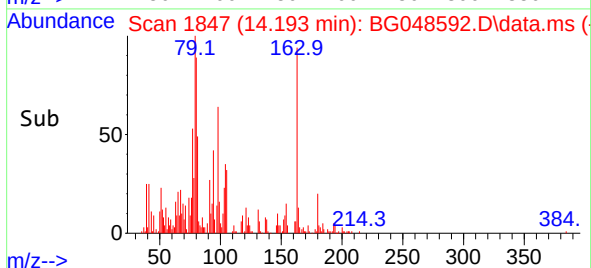
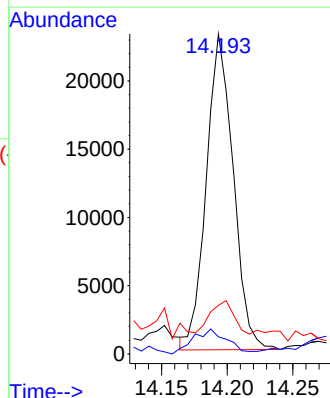
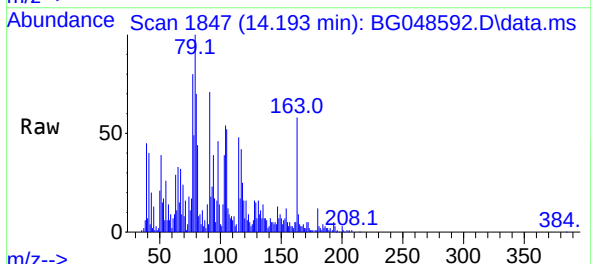
Manual Integrations
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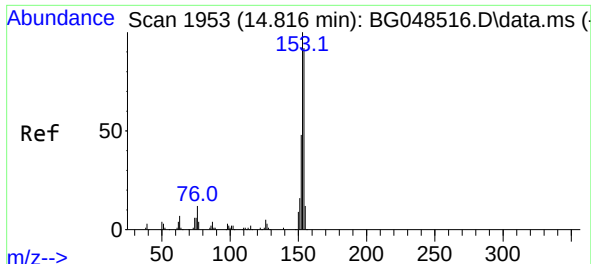
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#50
Dimethylphthalate
Concen: 4.05 ng
RT: 14.193 min Scan# 1847
Delta R.T. -0.005 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

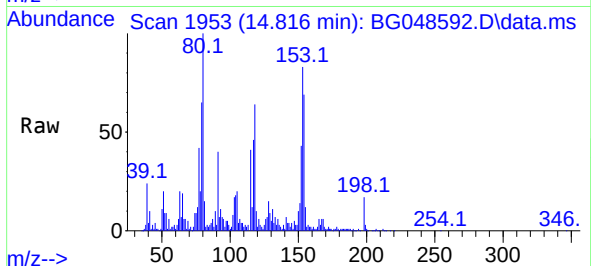
Tgt Ion:163 Resp: 33036
Ion Ratio Lower Upper
163 100
194 5.3 4.1 6.1
164 15.2 8.6 12.8#





#52
Acenaphthene
Concen: 16.80 ng
RT: 14.816 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

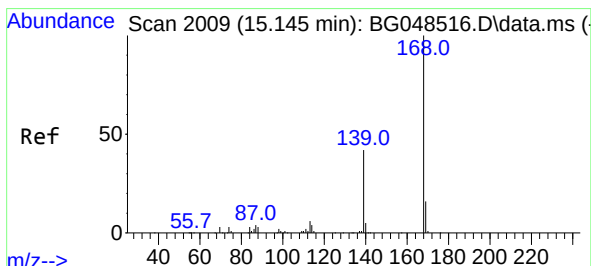
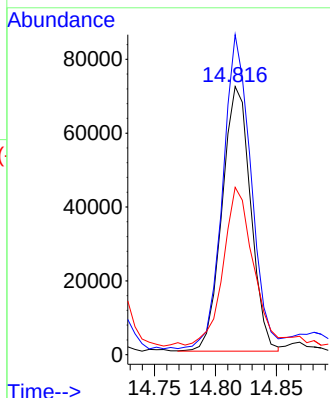
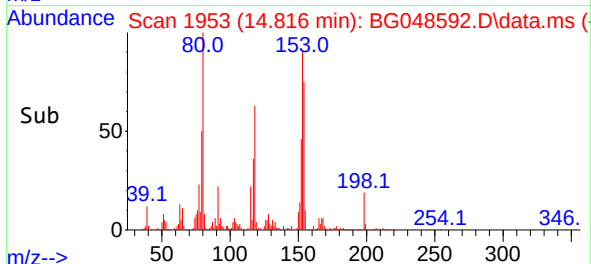
Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27



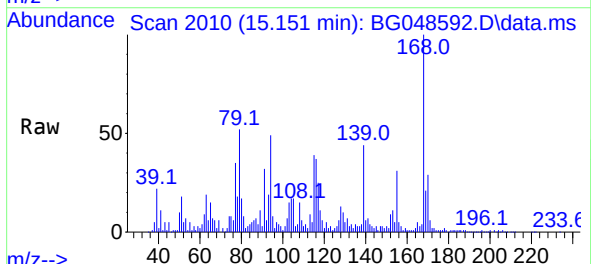
Tgt Ion:154 Resp: 116591
Ion Ratio Lower Upper
154 100
153 119.4 86.6 129.8
152 62.4 41.5 62.3#

Manual Integrations
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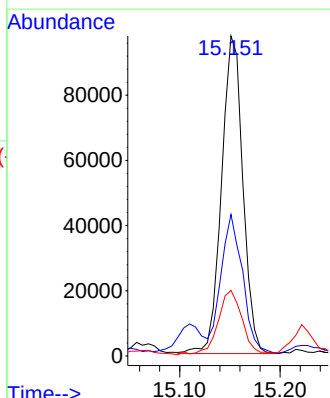
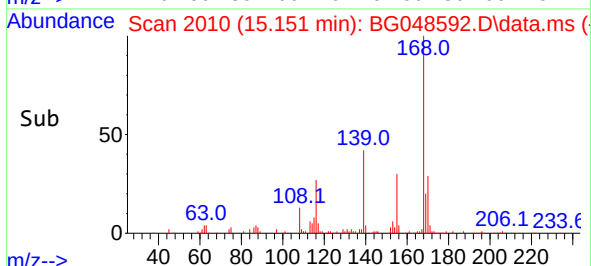
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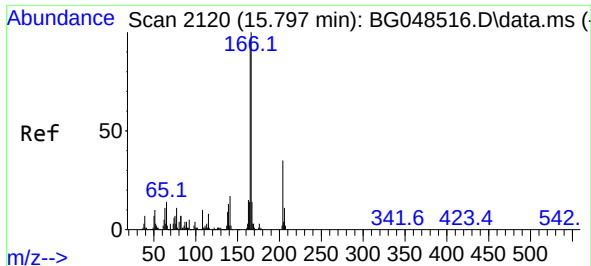


#55
Dibenzofuran
Concen: 14.19 ng
RT: 15.151 min Scan# 2010
Delta R.T. 0.001 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



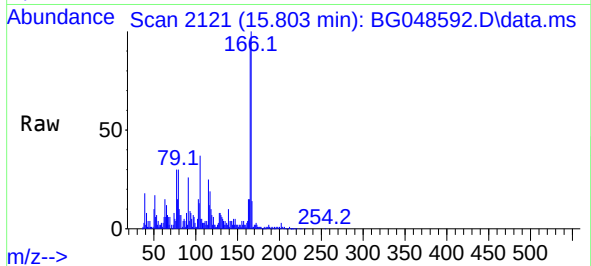
Tgt Ion:168 Resp: 143891
Ion Ratio Lower Upper
168 100
139 44.2 33.7 50.5
169 20.5 12.5 18.7#





#58
Fluorene
Concen: 20.11 ng
RT: 15.803 min Scan# 2121
Delta R.T. 0.001 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

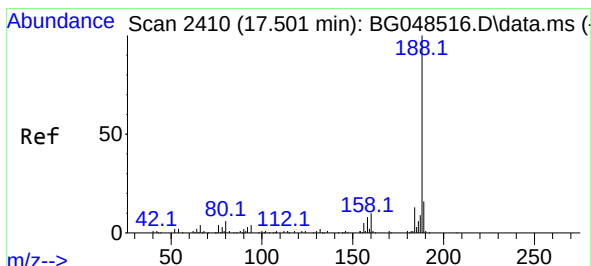
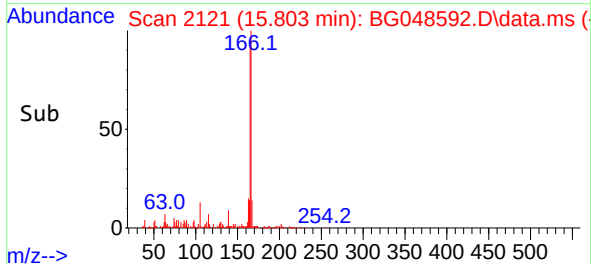
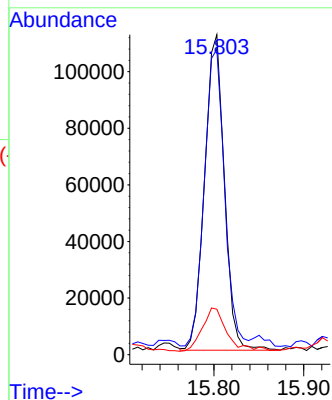
Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27



Tgt Ion:166 Resp: 170640
Ion Ratio Lower Upper
166 100
165 95.5 76.8 115.2
167 14.2 11.1 16.7

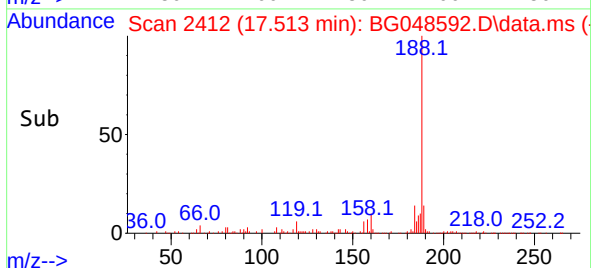
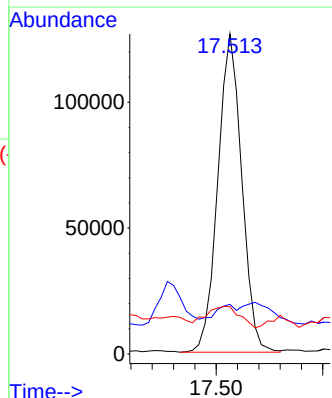
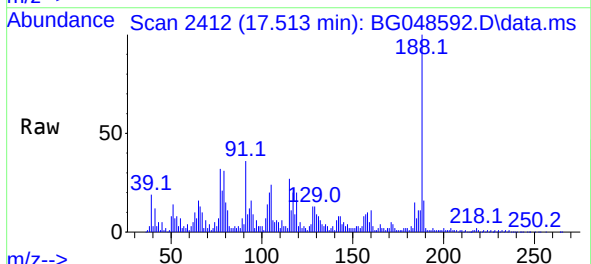
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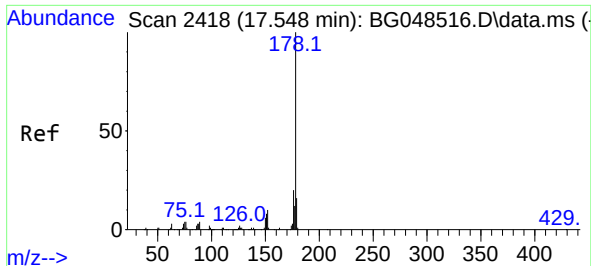
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.513 min Scan# 2412
Delta R.T. 0.007 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

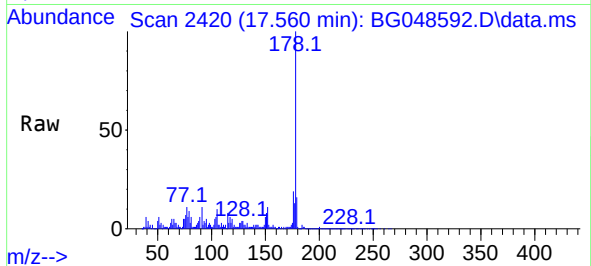
Tgt Ion:188 Resp: 196812
Ion Ratio Lower Upper
188 100
94 15.5 3.0 4.6#
80 14.8 4.5 6.7#





#71
Phenanthrene
Concen: 65.91 ng
RT: 17.560 min Scan# 2420
Delta R.T. 0.013 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

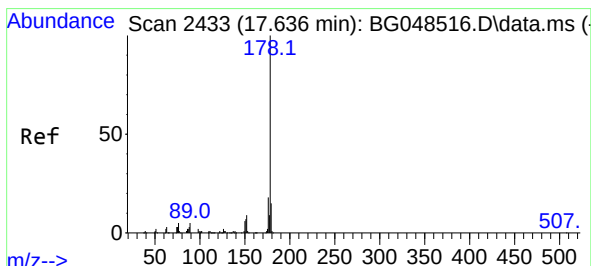
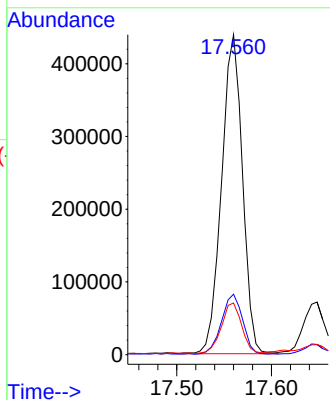
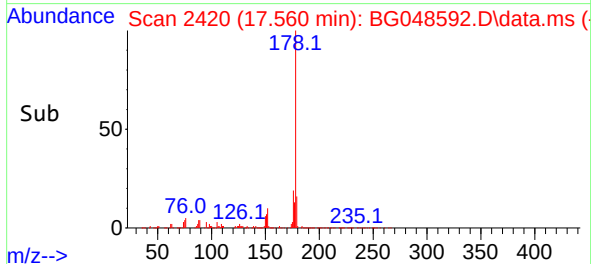
Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27



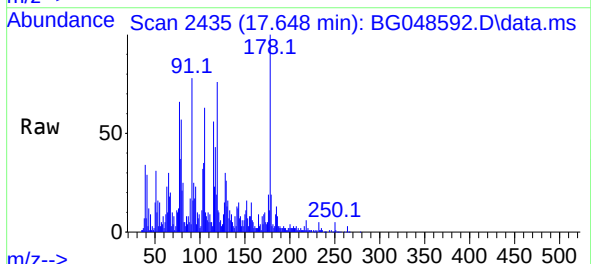
Tgt Ion:178 Resp: 673403
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.1 12.9 19.3

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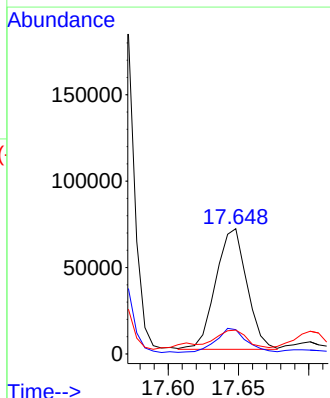
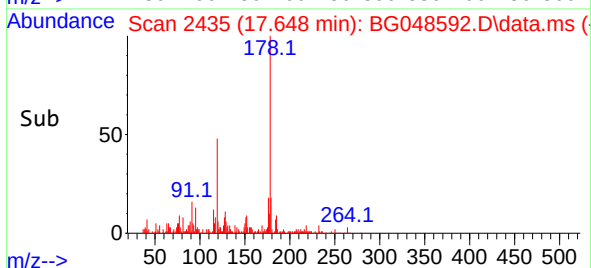
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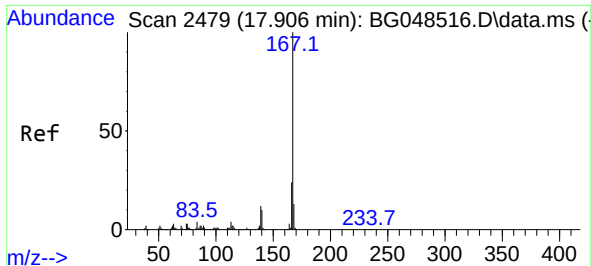


#72
Anthracene
Concen: 10.53 ng m
RT: 17.648 min Scan# 2435
Delta R.T. 0.007 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

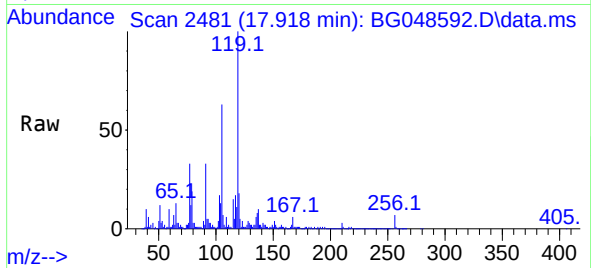


Tgt Ion:178 Resp: 107201
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 19.0 11.9 17.9#

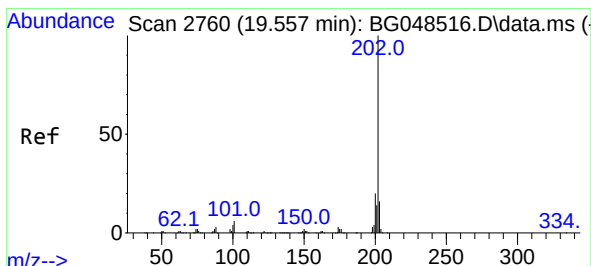
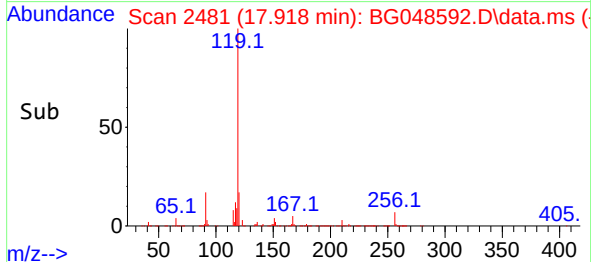
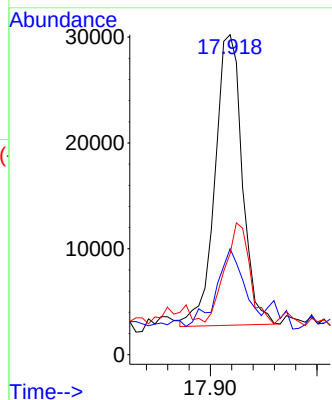




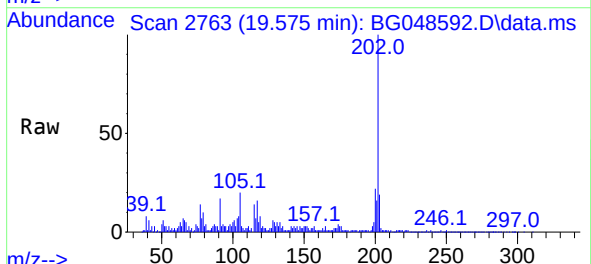
#73
Carbazole
Concen: 5.05 ng
RT: 17.918 min Scan# 2481
Delta R.T. 0.013 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



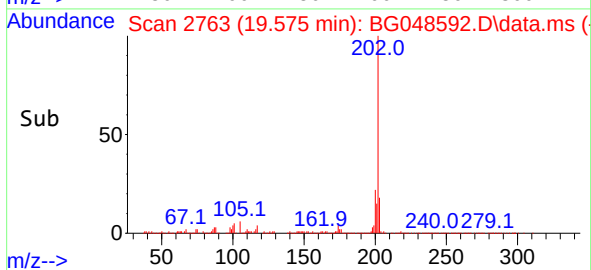
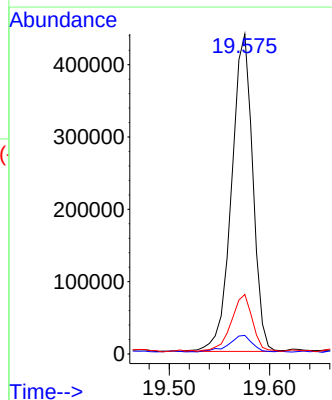
Tgt Ion:167 Resp: 48769
Ion Ratio Lower Upper
167 100
166 33.1 19.0 28.6#
139 31.5 10.0 15.0#



#75
Fluoranthene
Concen: 50.86 ng
RT: 19.575 min Scan# 2763
Delta R.T. 0.019 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



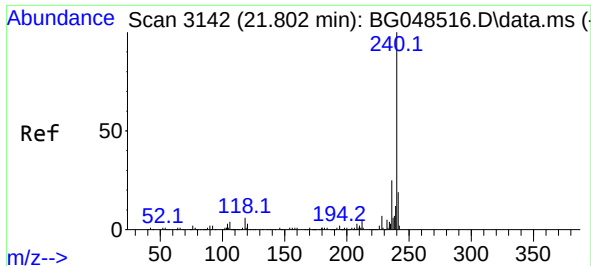
Tgt Ion:202 Resp: 644223
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.8
203 18.6 0.0 36.4



Instrument :
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ClientSampleId :
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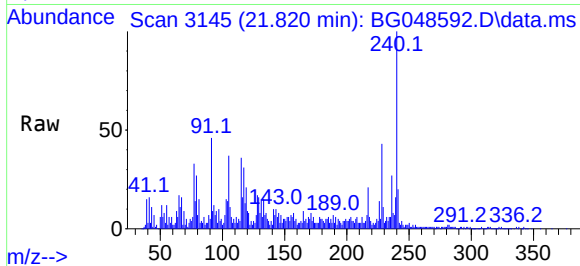
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.820 min Scan# 3145
Delta R.T. 0.019 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

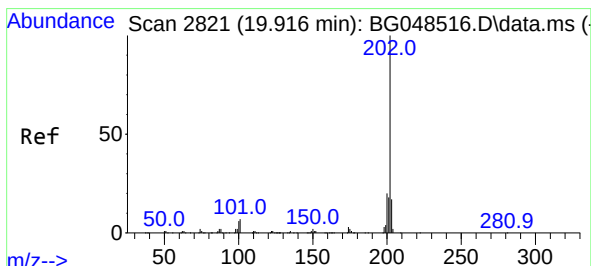
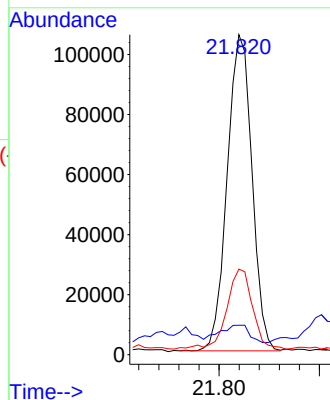
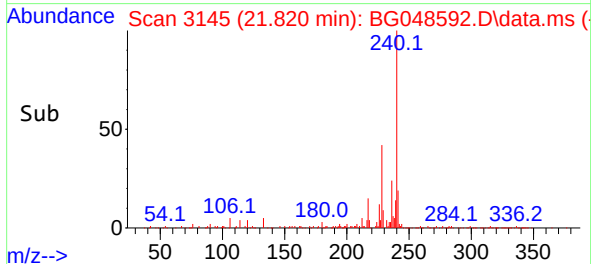
Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27



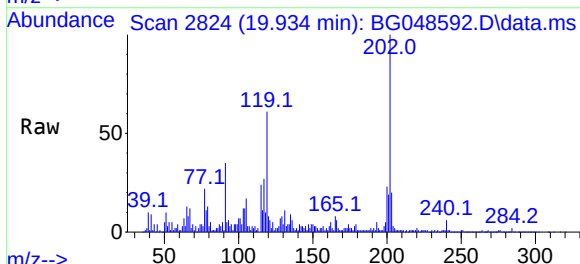
Tgt Ion:240 Resp: 180155
Ion Ratio Lower Upper
240 100
120 9.2 2.6 3.8#
236 26.8 19.8 29.6

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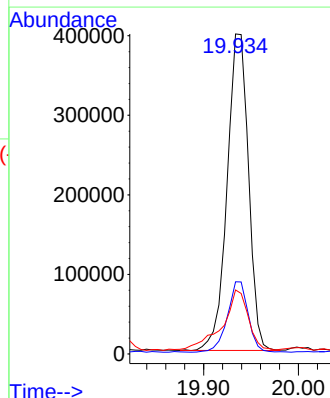
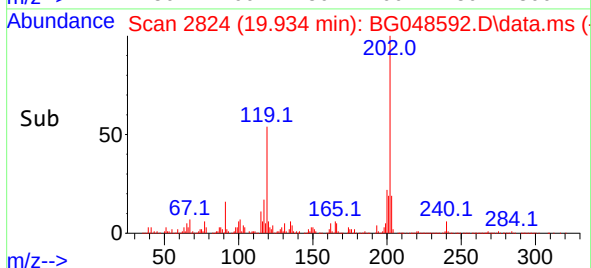
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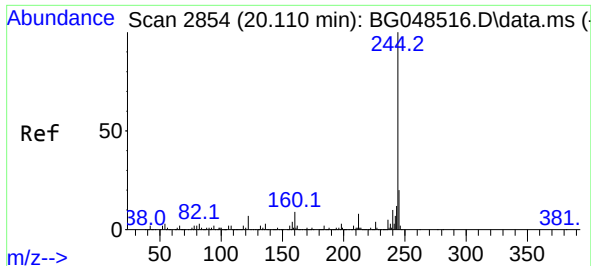


#78
Pyrene
Concen: 50.29 ng
RT: 19.934 min Scan# 2824
Delta R.T. 0.013 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

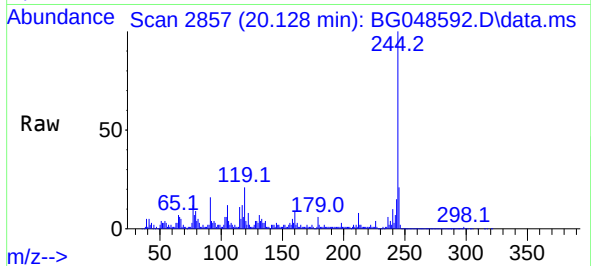


Tgt Ion:202 Resp: 622902
Ion Ratio Lower Upper
202 100
200 22.6 16.1 24.1
203 20.0 13.6 20.4

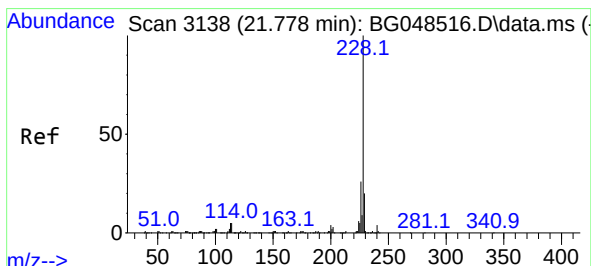
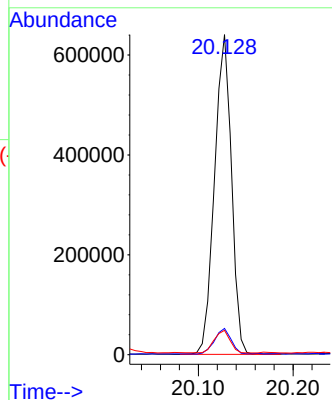
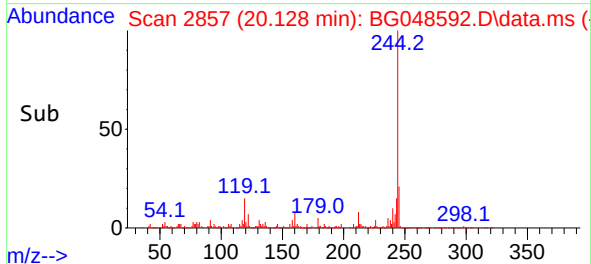




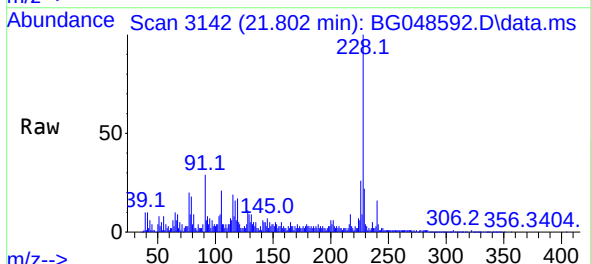
#79
Terphenyl-d14
Concen: 80.52 ng
RT: 20.128 min Scan# 2857
Delta R.T. 0.013 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



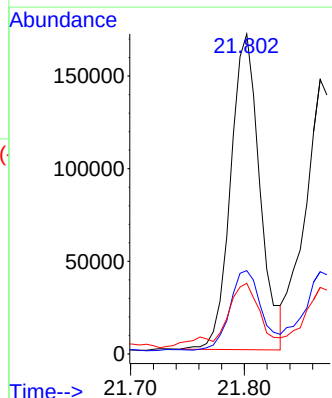
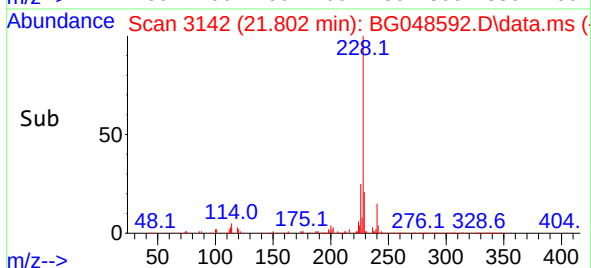
Tgt Ion:244 Resp: 793172
Ion Ratio Lower Upper
244 100
212 8.2 6.0 9.0
122 7.6 5.8 8.6



#81
Benzo(a)anthracene
Concen: 25.28 ng
RT: 21.802 min Scan# 3142
Delta R.T. 0.019 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



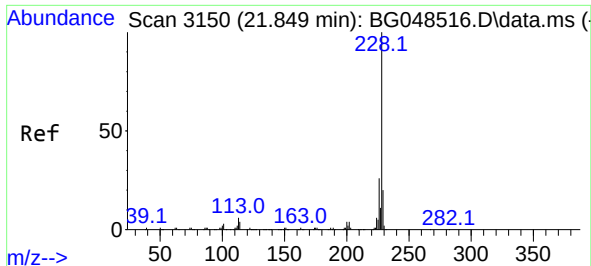
Tgt Ion:228 Resp: 304290
Ion Ratio Lower Upper
228 100
226 26.1 20.6 30.8
229 22.1 15.8 23.8



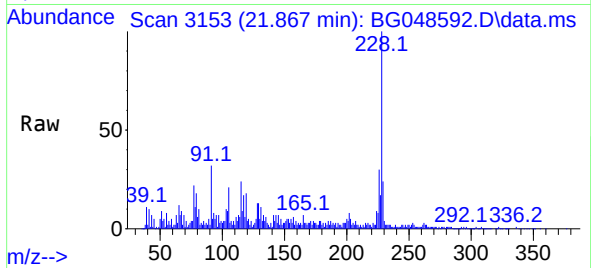
Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27

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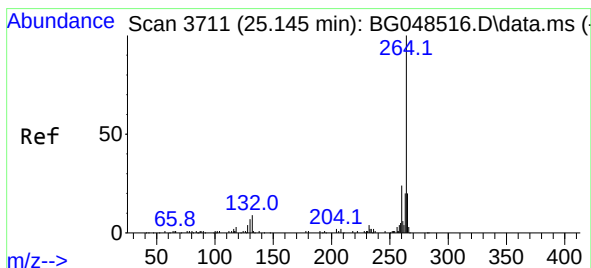
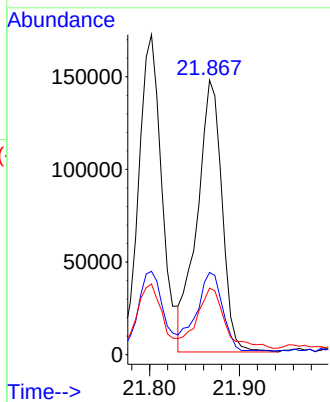
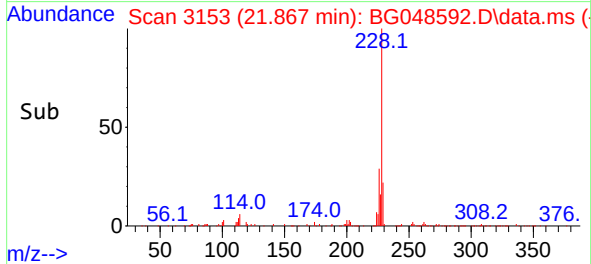
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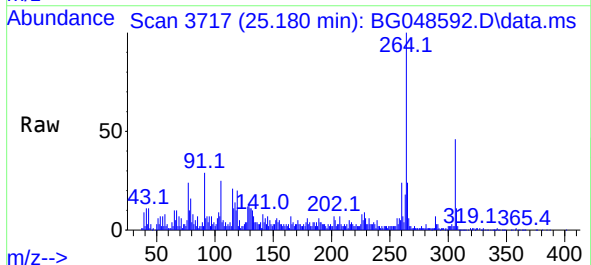
#83
Chrysene
Concen: 24.63 ng
RT: 21.867 min Scan# 3153
Delta R.T. 0.013 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



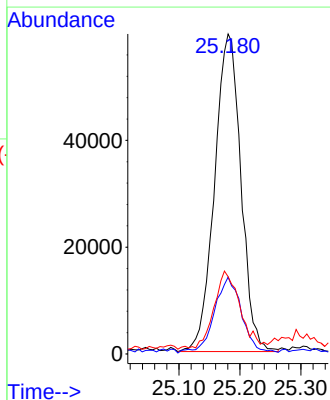
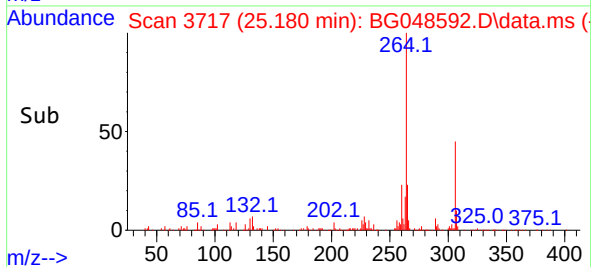
Tgt Ion:228 Resp: 282908
Ion Ratio Lower Upper
228 100
226 29.9 20.6 31.0
229 24.2 16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.180 min Scan# 3717
Delta R.T. 0.030 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



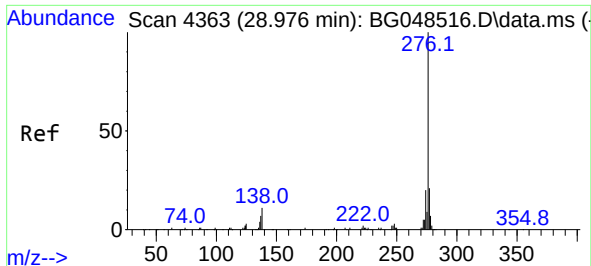
Tgt Ion:264 Resp: 178902
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 24.2 16.1 24.1#



Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27

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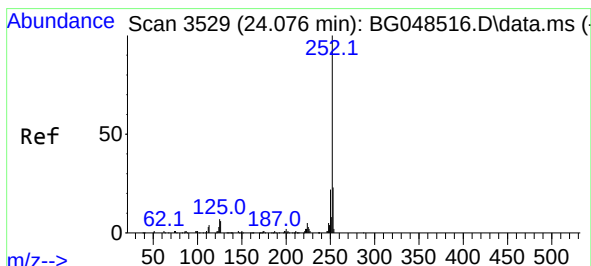
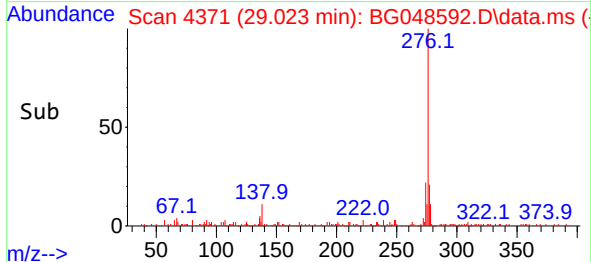
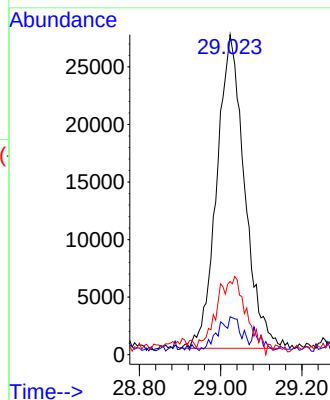
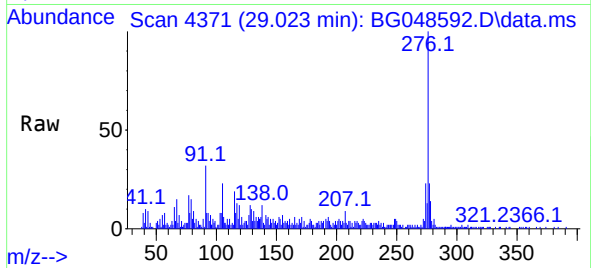
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.31 ng
RT: 29.023 min Scan# 4371
Delta R.T. 0.030 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion:276 Resp: 129316
Ion Ratio Lower Upper
276 100
138 4.9 7.8 11.8#
277 0.0 0.0 0.0

Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27

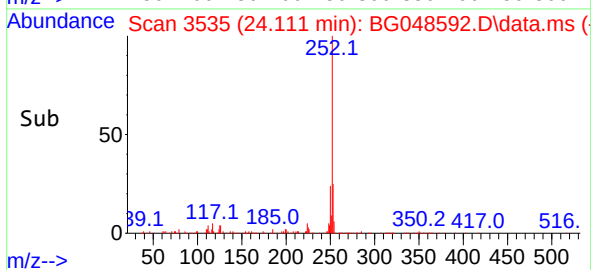
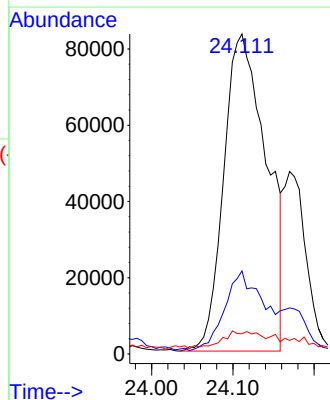
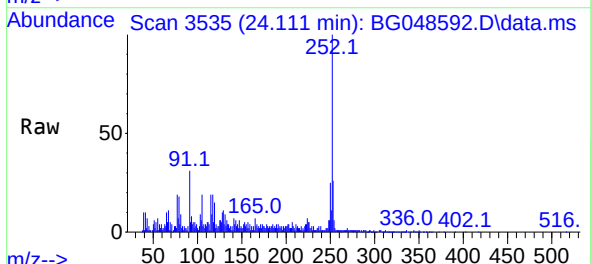
Manual Integrations
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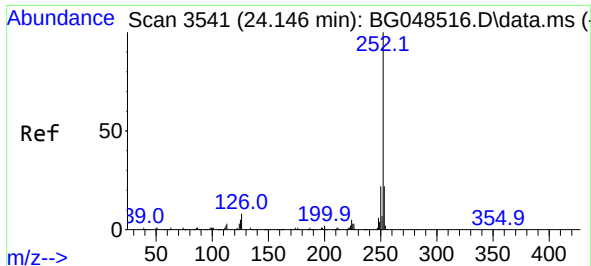
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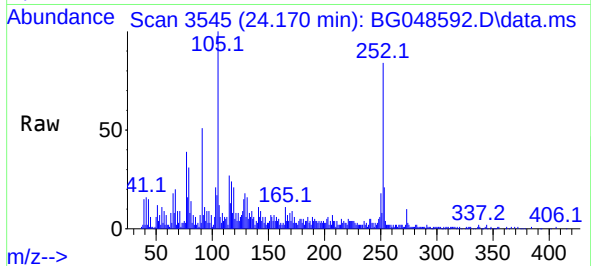
#88
Benzo(b)fluoranthene
Concen: 26.16 ng
RT: 24.111 min Scan# 3535
Delta R.T. 0.030 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion:252 Resp: 303999
Ion Ratio Lower Upper
252 100
253 25.9 18.2 27.4
125 6.3 5.3 7.9

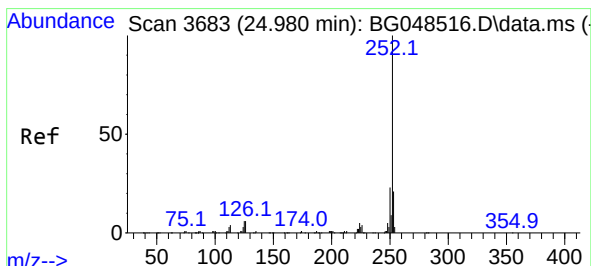
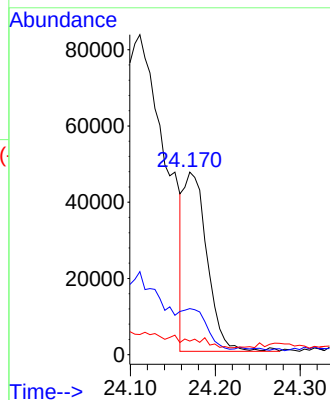
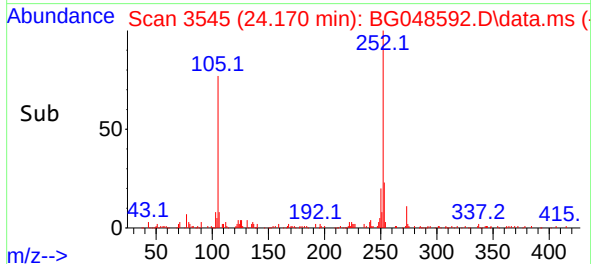




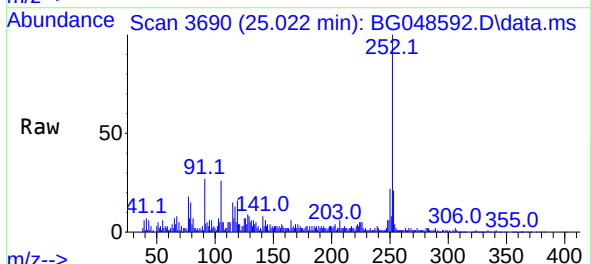
#89
Benzo(k)fluoranthene
Concen: 8.04 ng m
RT: 24.170 min Scan# 3545
Delta R.T. 0.019 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



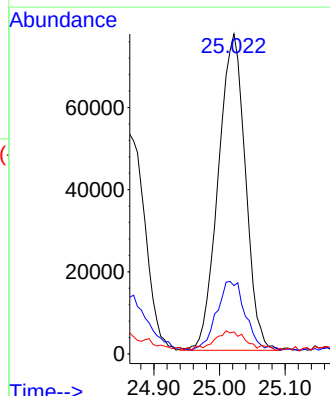
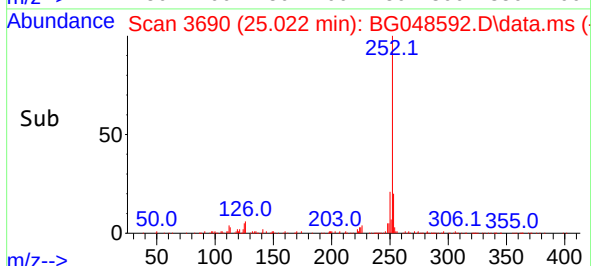
Tgt Ion:252 Resp: 89764
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 7.5 3.9 5.9#



#90
Benzo(a)pyrene
Concen: 20.63 ng
RT: 25.022 min Scan# 3690
Delta R.T. 0.030 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40



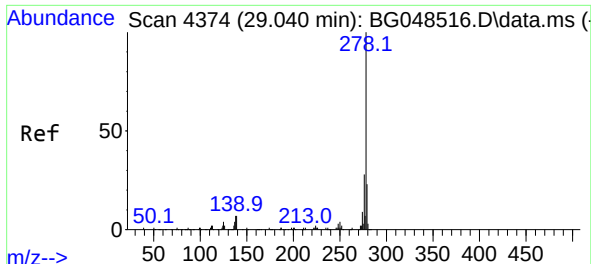
Tgt Ion:252 Resp: 220896
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 6.9 4.4 6.6#



Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27

Manual Integrations
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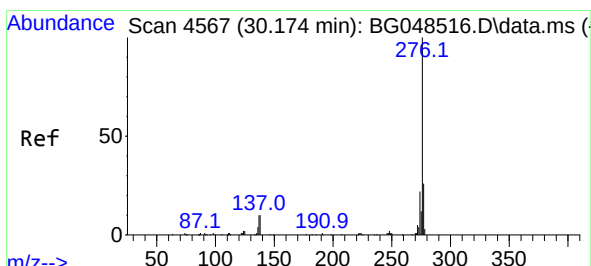
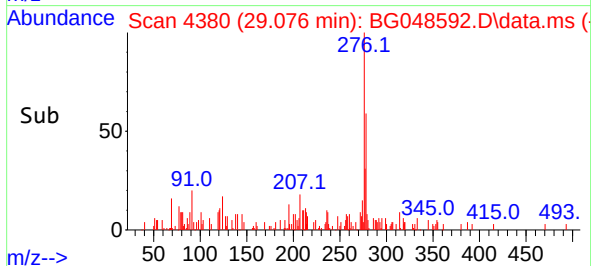
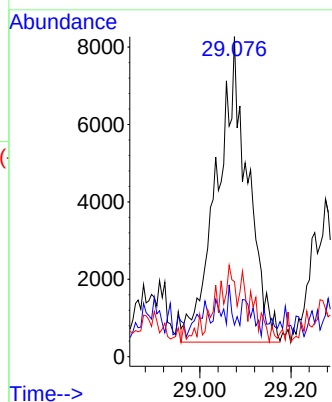
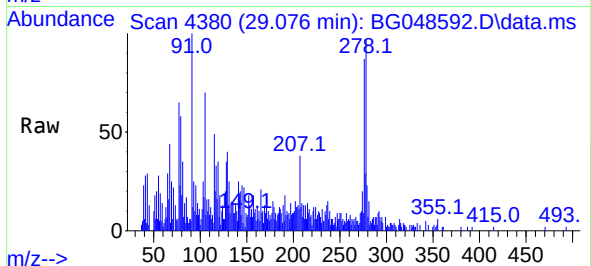
#91
Dibenzo(a,h)anthracene
Concen: 3.47 ng m
RT: 29.076 min Scan# 4380
Delta R.T. 0.013 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion:278 Resp: 37143
Ion Ratio Lower Upper
278 100
139 9.9 5.8 8.6#
279 23.4 18.6 28.0

Instrument :
BNA_G
ClientSampleId :
FS-SB-10-26-27

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 11.65 ng
RT: 30.233 min Scan# 4577
Delta R.T. 0.036 min
Lab File: BG048592.D
Acq: 5 Apr 2021 20:40

Tgt Ion:276 Resp: 122097
Ion Ratio Lower Upper
276 100
277 22.4 20.4 30.6
138 11.4 8.1 12.1

