

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049922.D
 Acq On : 20 Aug 2021 23:33
 Operator : CG/JU
 Sample : M3419-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205

Manual Integrations
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Quant Time: Aug 21 05:21:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 21 05:13:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	74138	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	298325	20.000	ng	# 0.01
39) Acenaphthene-d10	14.646	164	181150	20.000	ng	0.00
64) Phenanthrene-d10	17.401	188	322964	20.000	ng	# 0.01
76) Chrysene-d12	21.689	240	303749	20.000	ng	0.03
86) Perylene-d12	24.955	264	227523	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	197110	47.660	ng	0.01
7) Phenol-d6	7.156	99	291982	46.639	ng	0.01
23) Nitrobenzene-d5	9.159	82	207914	30.840	ng	0.00
42) 2,4,6-Tribromophenol	16.138	330	127462	47.870	ng	0.00
45) 2-Fluorobiphenyl	13.259	172	441949	35.499	ng	0.00
79) Terphenyl-d14	20.015	244	522575	31.246	ng	0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.370	152	84331	5.163	ng	95
58) Fluorene	15.691	166	29782	2.296	ng	# 93
71) Phenanthrene	17.442	178	524854	30.889	ng	97
72) Anthracene	17.530	178	67305m	4.033	ng	
73) Carbazole	17.800	167	32338	2.046	ng	# 88
75) Fluoranthene	19.463	202	1126093	53.857	ng	98
78) Pyrene	19.827	202	1192396	57.581	ng	95
81) Benzo(a)anthracene	21.671	228	545616m	27.582	ng	
83) Chrysene	21.736	228	688118	36.391	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.680	276	134416	8.192	ng	# 81
88) Benzo(b)fluoranthene	23.921	252	588707	39.452	ng	# 91
89) Benzo(k)fluoranthene	23.974	252	241501m	17.351	ng	
90) Benzo(a)pyrene	24.797	252	380817	28.200	ng	# 92
91) Dibenzo(a,h)anthracene	28.738	278	46134m	3.337	ng	
92) Benzo(g,h,i)perylene	29.872	276	112647	8.316	ng	# 89

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

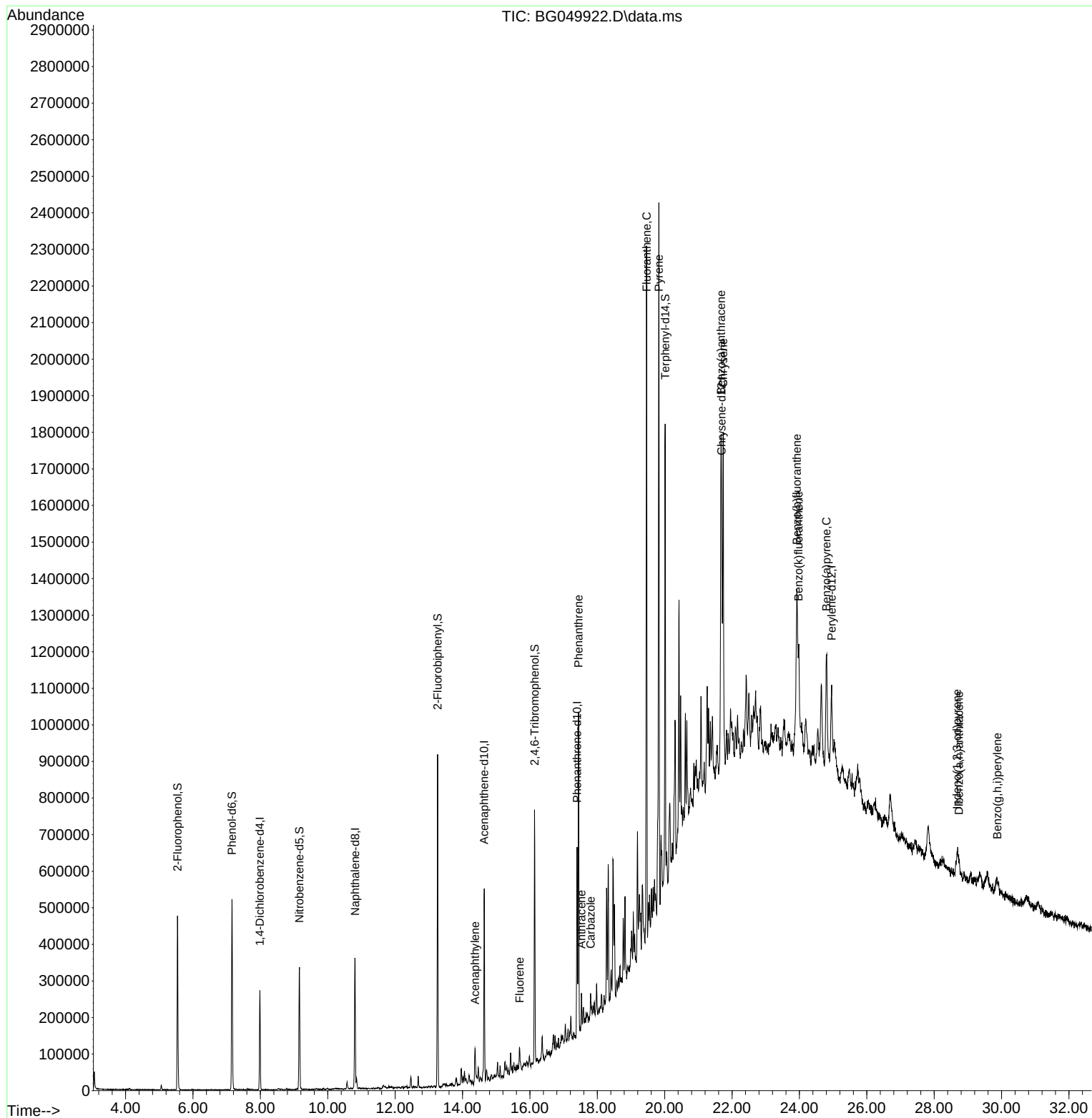
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
Data File : BG049922.D
Acq On : 20 Aug 2021 23:33
Operator : CG/JU
Sample : M3419-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

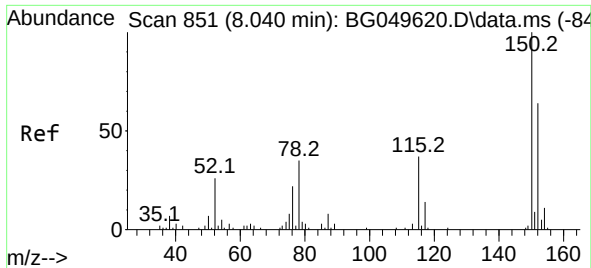
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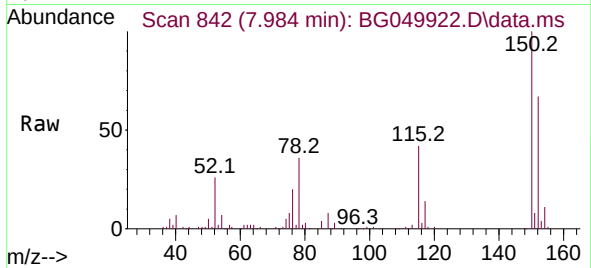
Quant Time: Aug 21 05:21:31 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 21 05:13:22 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.984 min Scan# 842
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

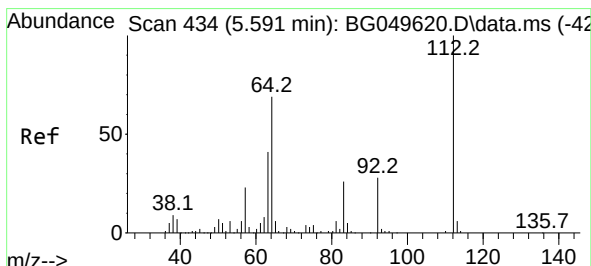
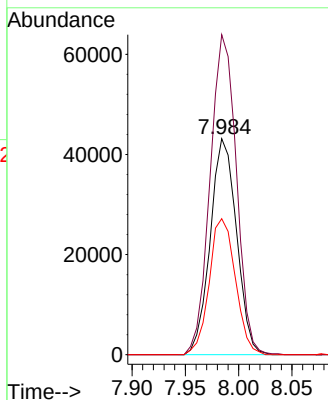
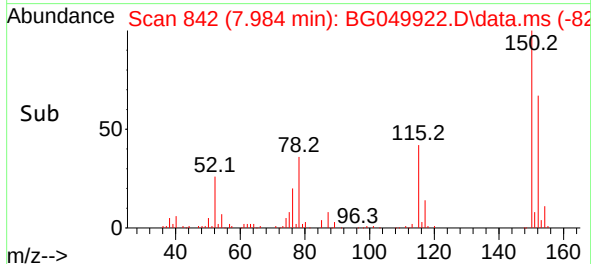
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205



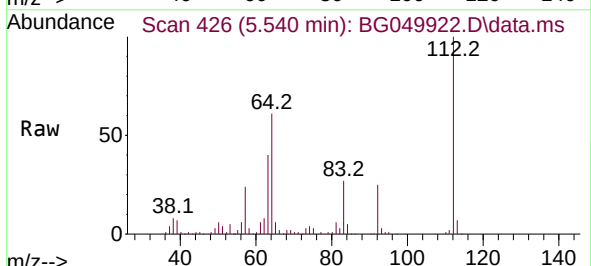
Tgt Ion:152 Resp: 74138
Ion Ratio Lower Upper
152 100
150 148.2 119.4 179.0
115 63.0 60.2 90.4

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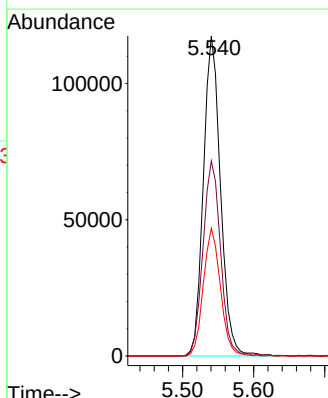
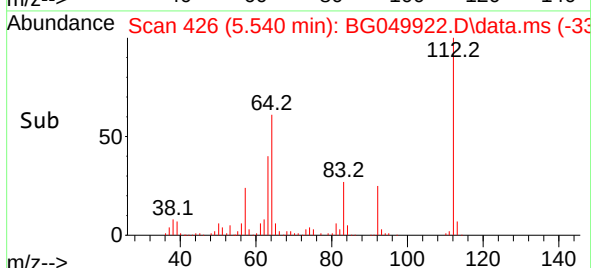
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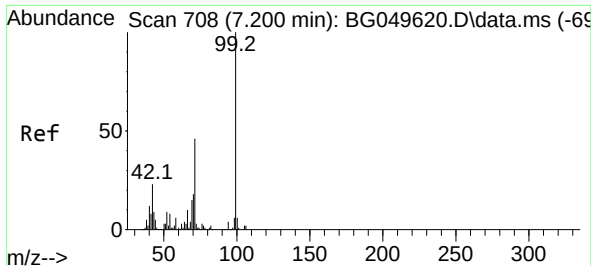


#5
2-Fluorophenol
Concen: 47.660 ng
RT: 5.540 min Scan# 426
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

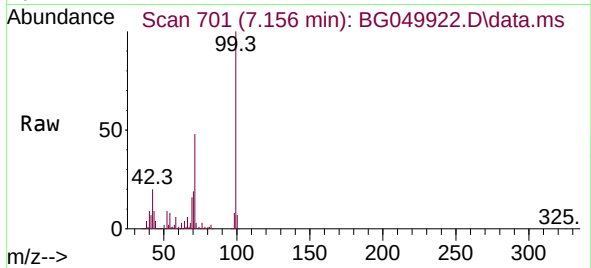


Tgt Ion:112 Resp: 197110
Ion Ratio Lower Upper
112 100
64 60.9 46.7 70.1
63 39.9 35.3 52.9

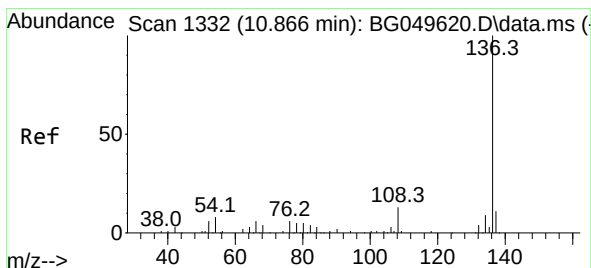
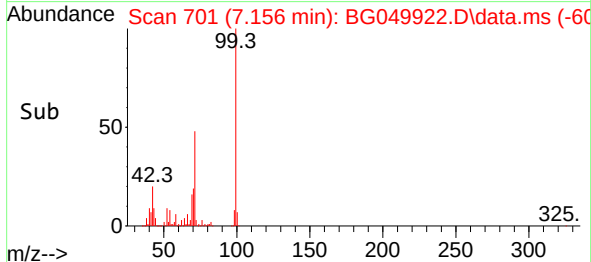
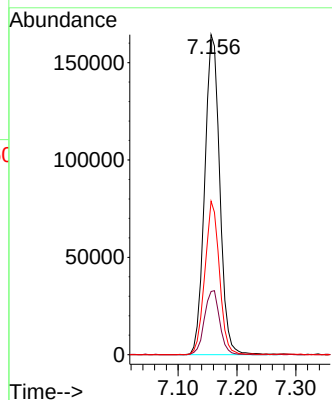




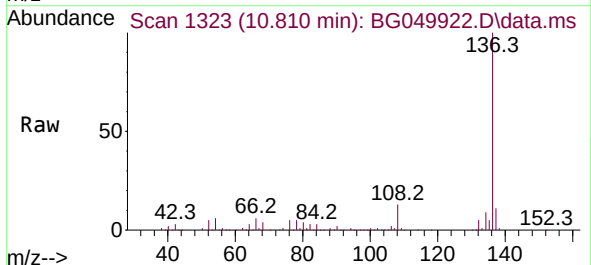
#7
Phenol-d6
Concen: 46.639 ng
RT: 7.156 min Scan# 701
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



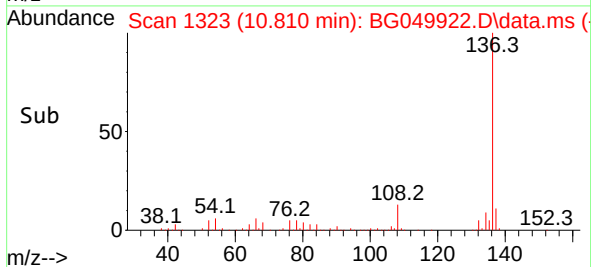
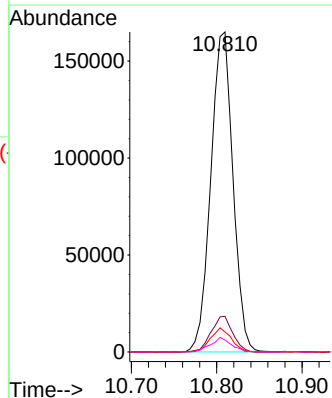
Tgt Ion: 99 Resp: 291982
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7#
71 47.9 41.5 62.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1323
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



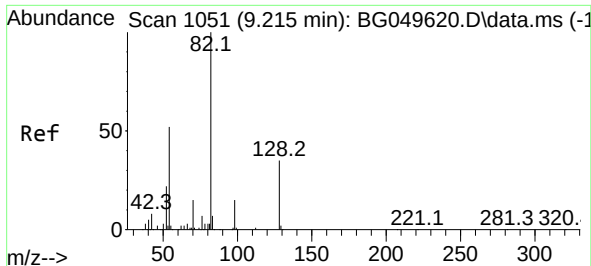
Tgt Ion: 136 Resp: 298325
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 6.3 5.5 8.3
68 3.8 2.3 3.5#



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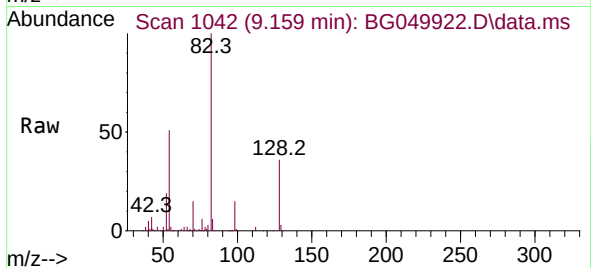
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#23
Nitrobenzene-d5
Concen: 30.840 ng
RT: 9.159 min Scan# 1042
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

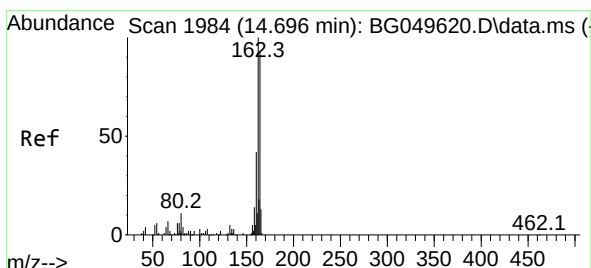
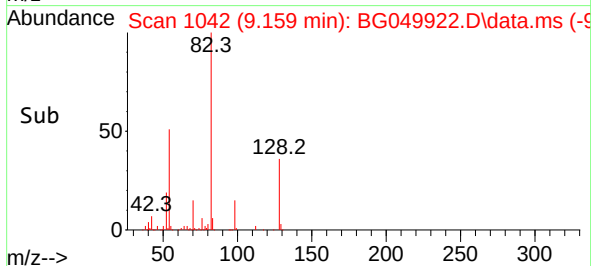
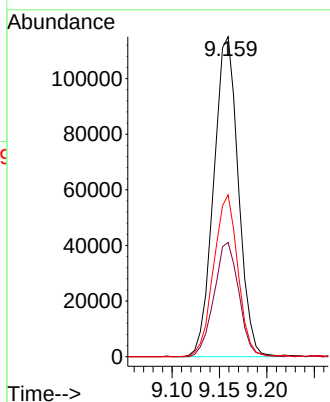
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205



Tgt Ion: 82 Resp: 207914
Ion Ratio Lower Upper
82 100
128 35.7 29.8 44.6
54 50.6 45.8 68.8

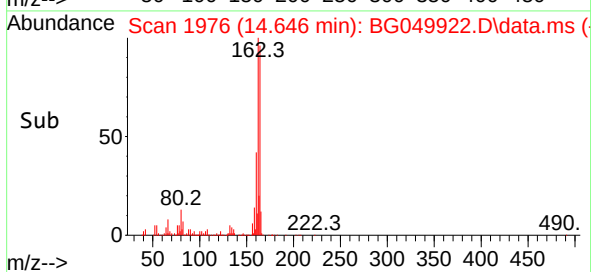
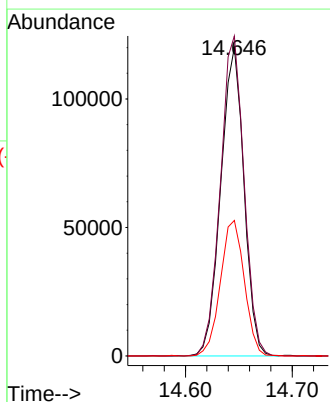
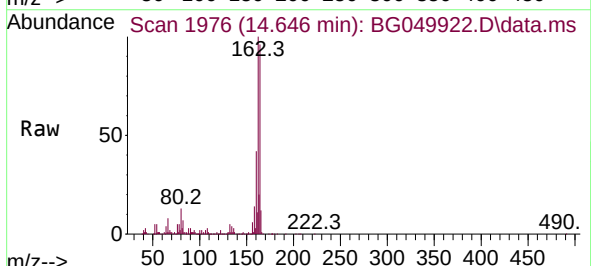
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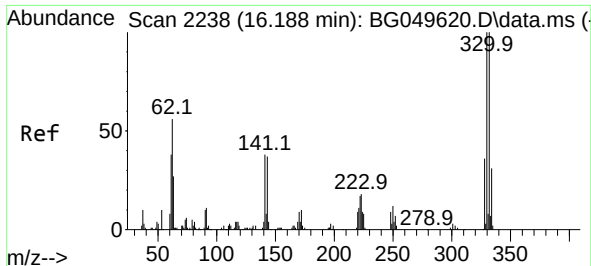
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.646 min Scan# 1976
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

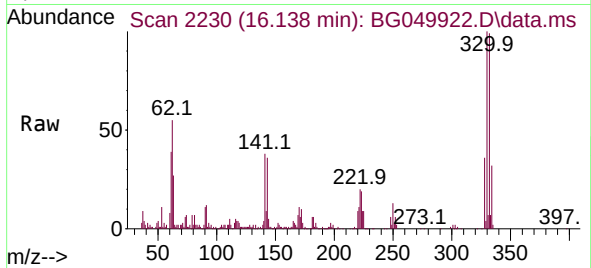
Tgt Ion: 164 Resp: 181150
Ion Ratio Lower Upper
164 100
162 103.7 81.4 122.0
160 43.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 47.870 ng
RT: 16.138 min Scan# 2230
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

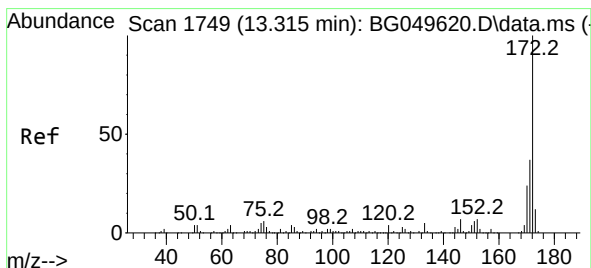
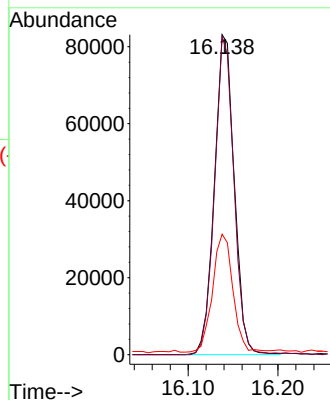
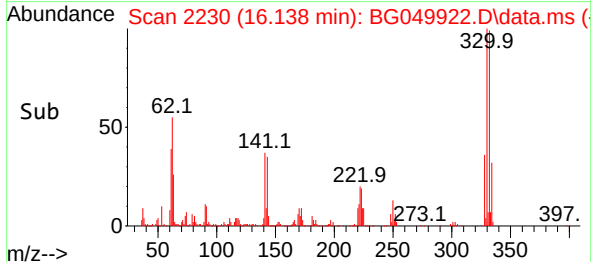
Instrument :
BNA_G
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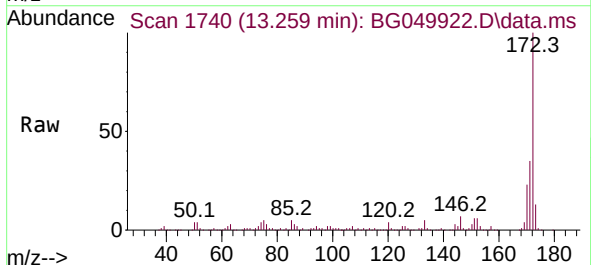
Tgt Ion:330 Resp: 127462
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 37.7 35.6 53.4

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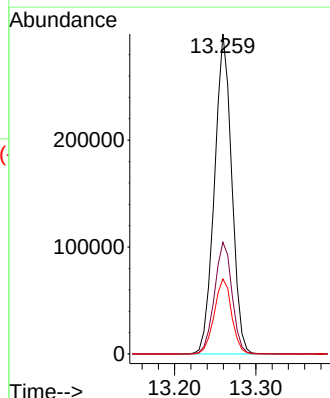
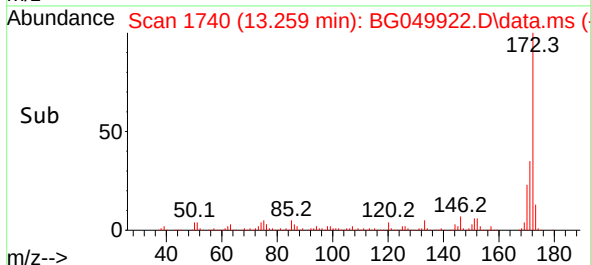
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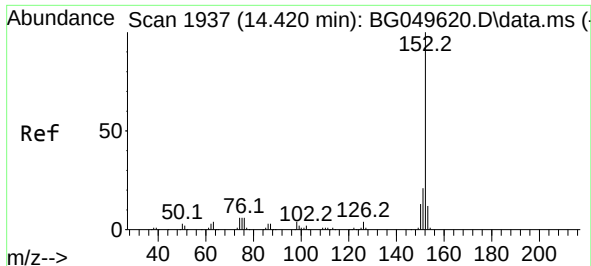


#45
2-Fluorobiphenyl
Concen: 35.499 ng
RT: 13.259 min Scan# 1740
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

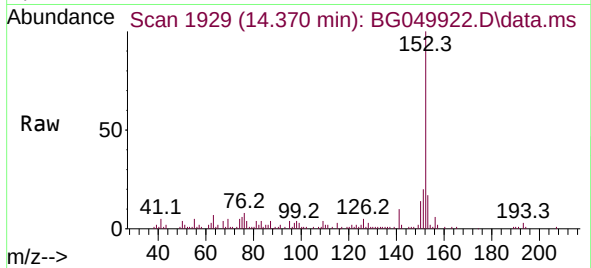


Tgt Ion:172 Resp: 441949
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.5 18.6 27.8

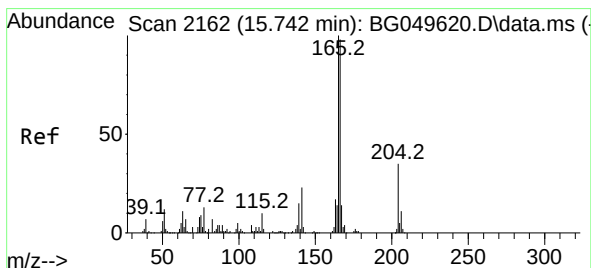
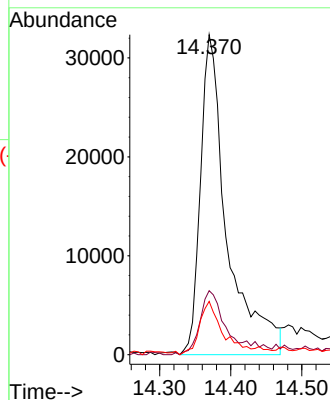
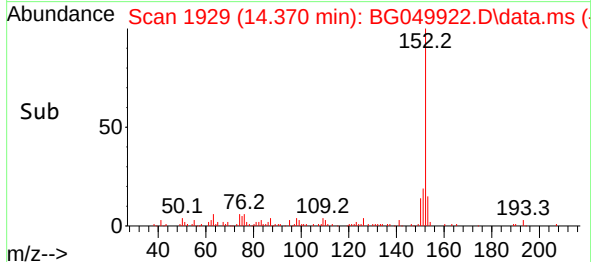




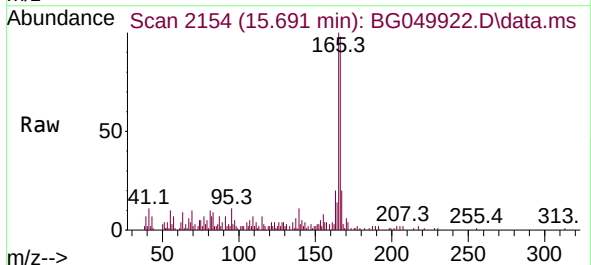
#49
Acenaphthylene
Concen: 5.163 ng
RT: 14.370 min Scan# 1929
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



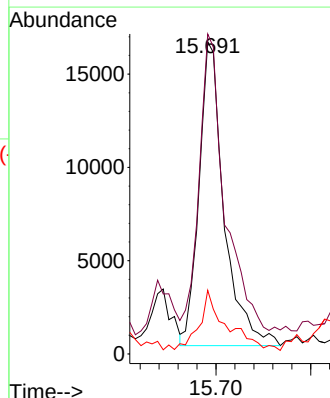
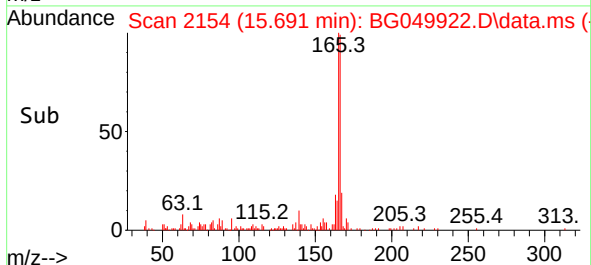
Tgt Ion:152 Resp: 84331
Ion Ratio Lower Upper
152 100
151 20.0 18.2 27.4
153 16.6 11.7 17.5



#58
Fluorene
Concen: 2.296 ng
RT: 15.691 min Scan# 2154
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



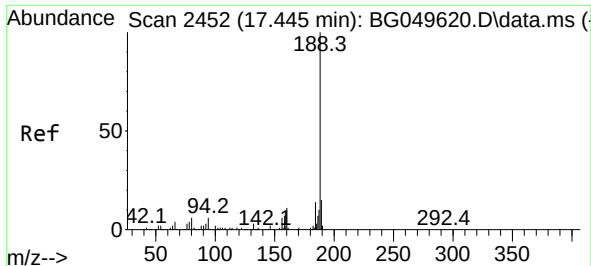
Tgt Ion:166 Resp: 29782
Ion Ratio Lower Upper
166 100
165 102.5 77.7 116.5
167 20.4 10.8 16.2#



Instrument :
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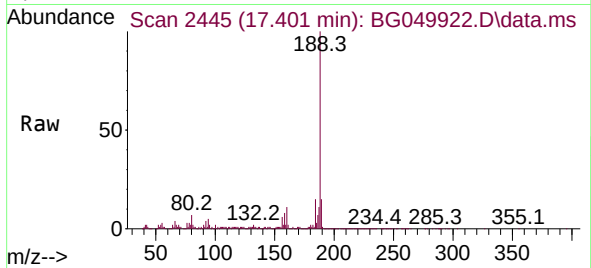
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.401 min Scan# 2445
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

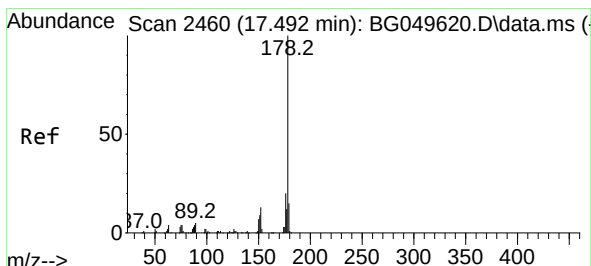
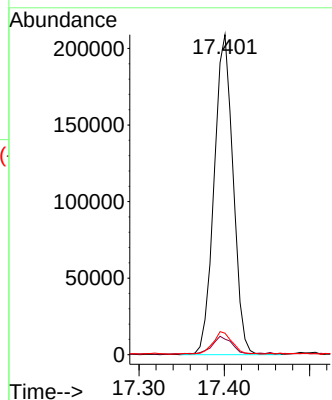
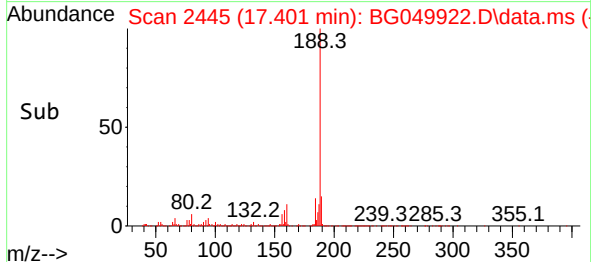
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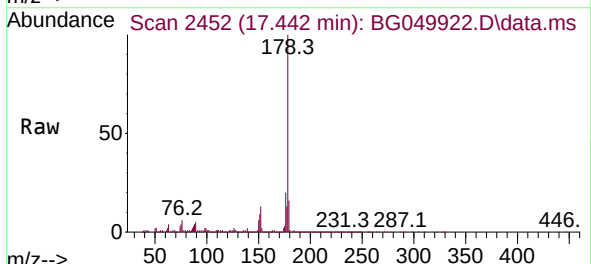
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Ion Ratio Lower Upper
188 100
94 4.9 5.4 8.0#
80 6.7 3.7 5.5#

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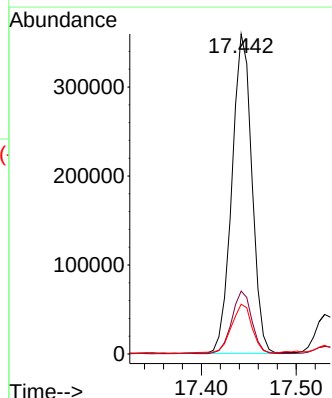
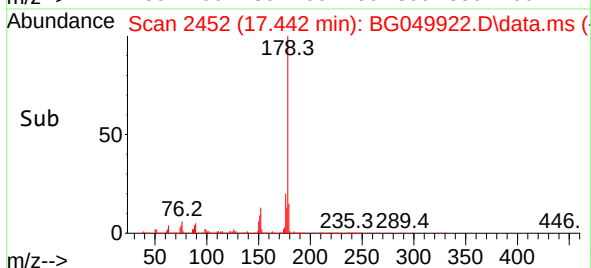
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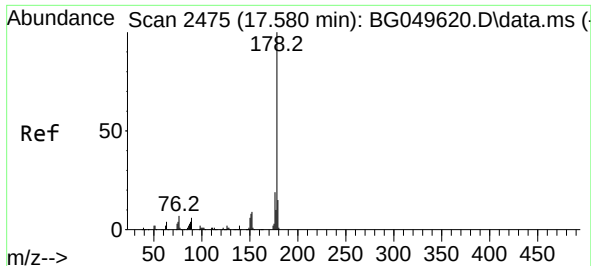


#71
Phenanthrene
Concen: 30.889 ng
RT: 17.442 min Scan# 2452
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



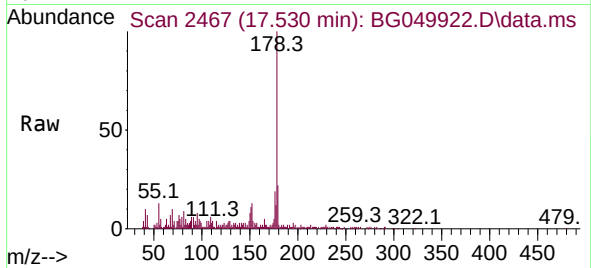
Tgt Ion:178 Resp: 524854
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.5 14.2 21.4





#72
 Anthracene
 Concen: 4.033 ng m
 RT: 17.530 min Scan# 2467
 Delta R.T. 0.007 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33

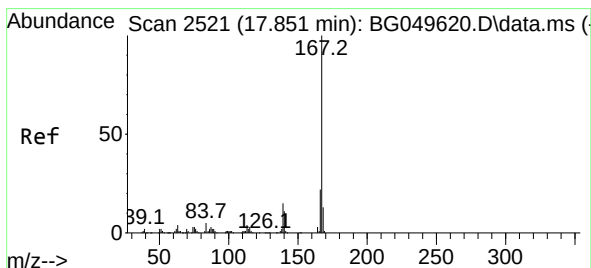
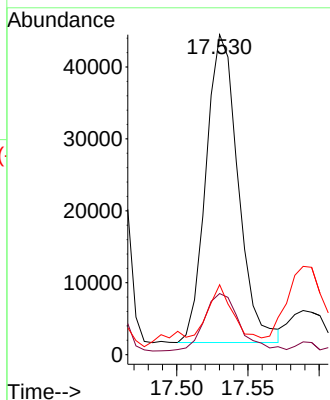
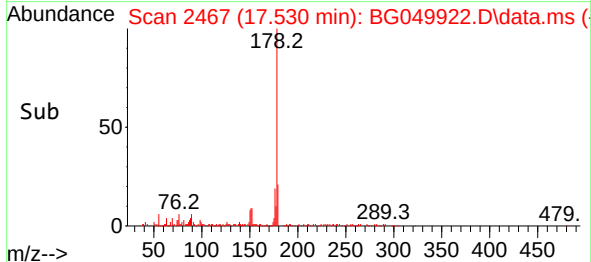
Instrument :
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 ClientSampleId :
 SWCS-03-0205



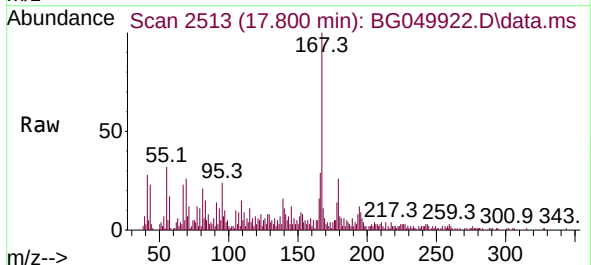
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 Ion Ratio Lower Upper
 178 100
 176 19.1 14.6 21.8
 179 21.9 13.4 20.0#

Manual Integrations
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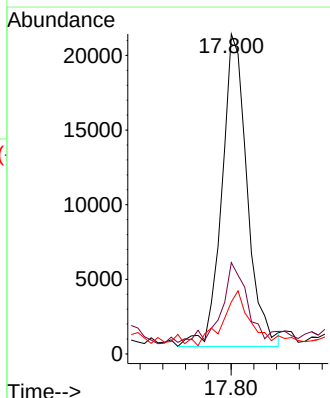
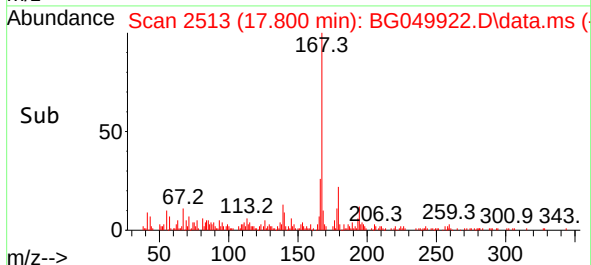
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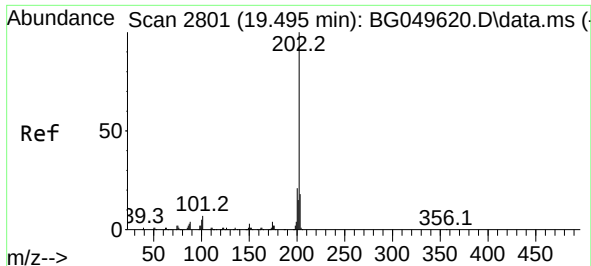


#73
 Carbazole
 Concen: 2.046 ng
 RT: 17.800 min Scan# 2513
 Delta R.T. 0.007 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33



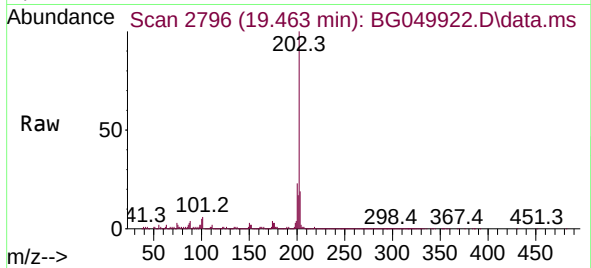
Tgt Ion:167 Resp: 32338
 Ion Ratio Lower Upper
 167 100
 166 28.6 17.4 26.2#
 139 16.3 10.7 16.1#





#75
Fluoranthene
Concen: 53.857 ng
RT: 19.463 min Scan# 2796
Delta R.T. 0.019 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

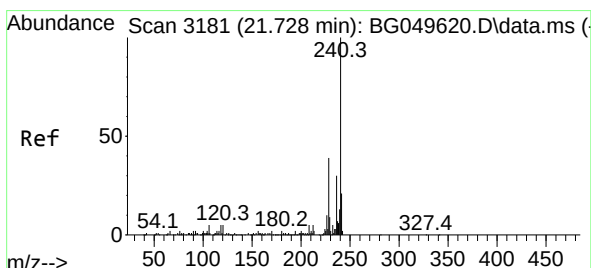
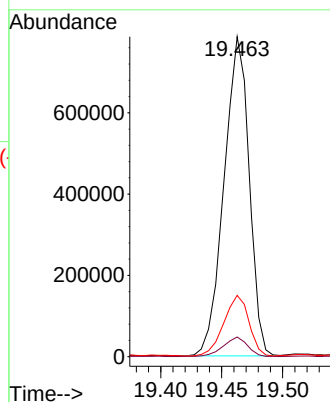
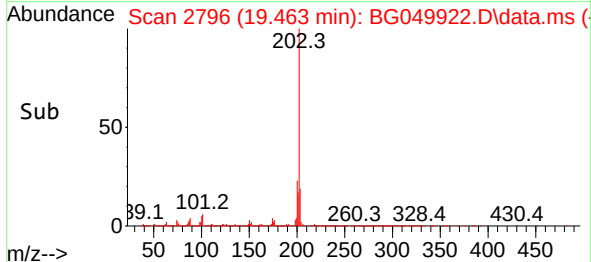
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205



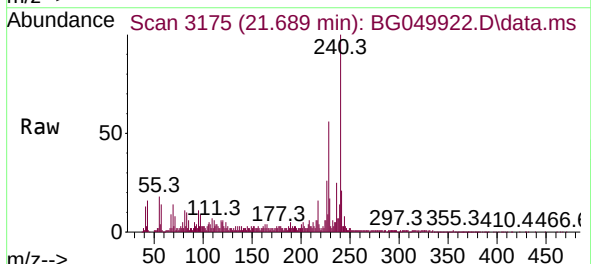
Tgt Ion:202 Resp: 1126093
Ion Ratio Lower Upper
202 100
101 6.2 0.0 24.7
203 19.2 0.0 38.5

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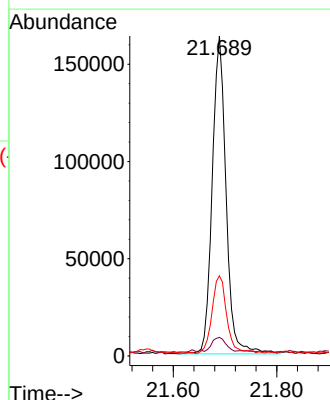
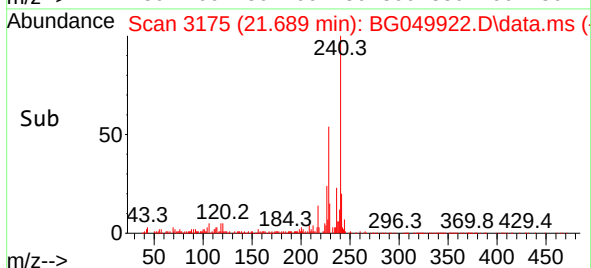
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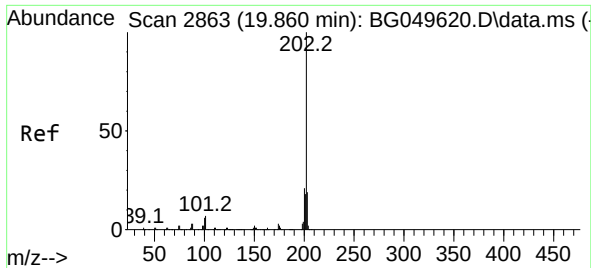


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.689 min Scan# 3175
Delta R.T. 0.030 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



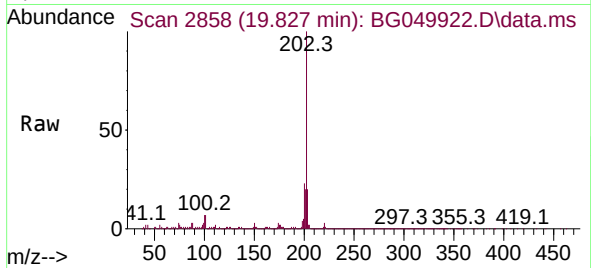
Tgt Ion:240 Resp: 303749
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.2
236 25.0 21.8 32.6





#78
Pyrene
Concen: 57.581 ng
RT: 19.827 min Scan# 2858
Delta R.T. 0.025 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

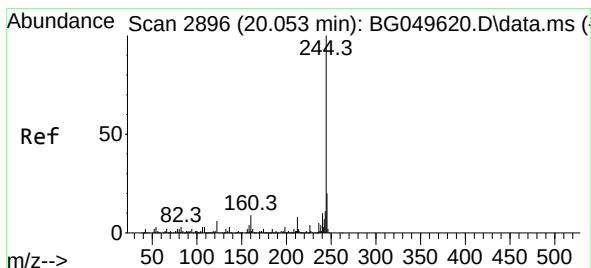
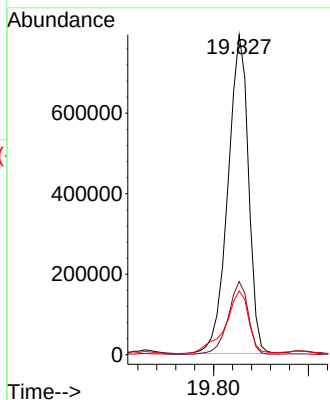
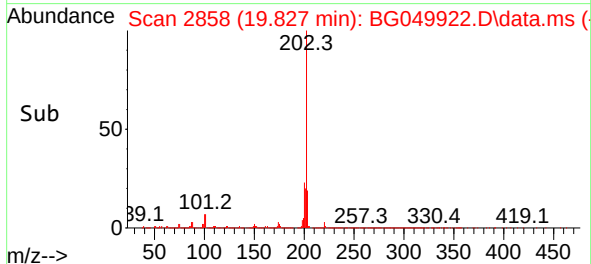
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205



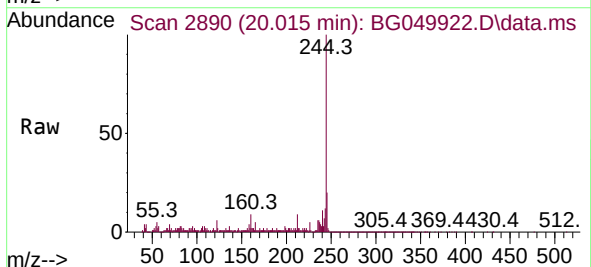
Tgt Ion:202 Resp: 1192396
Ion Ratio Lower Upper
202 100
200 22.9 15.8 23.8
203 19.9 14.6 21.8

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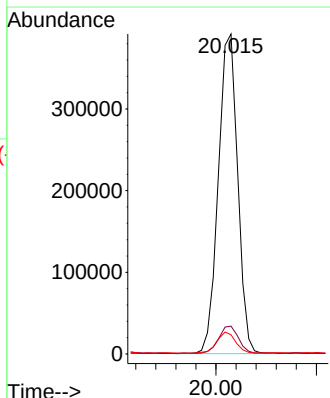
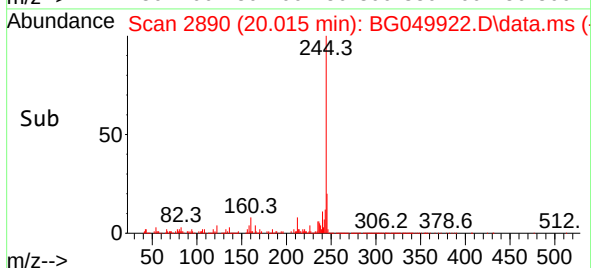
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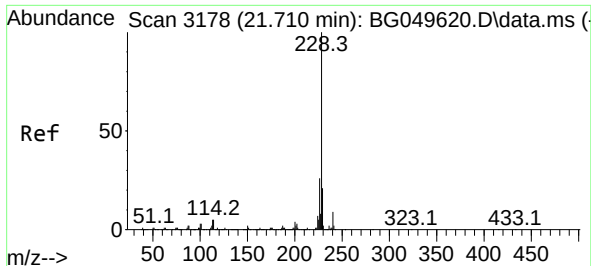


#79
Terphenyl-d14
Concen: 31.246 ng
RT: 20.015 min Scan# 2890
Delta R.T. 0.019 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



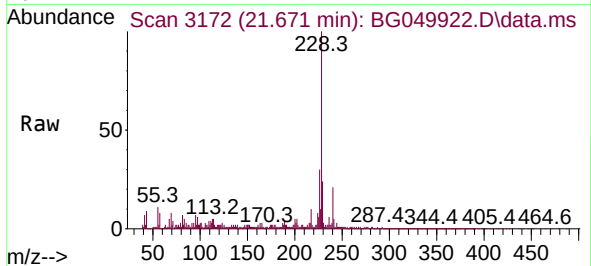
Tgt Ion:244 Resp: 522575
Ion Ratio Lower Upper
244 100
212 8.7 6.9 10.3
122 6.0 5.0 7.6





#81
Benzo(a)anthracene
Concen: 27.582 ng m
RT: 21.671 min Scan# 3172
Delta R.T. 0.030 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

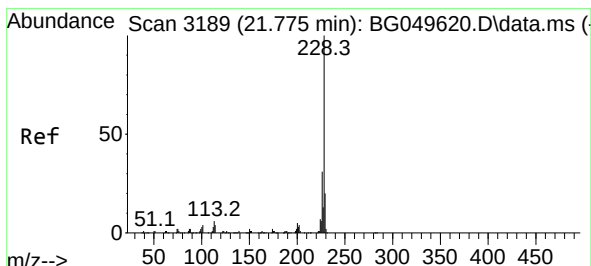
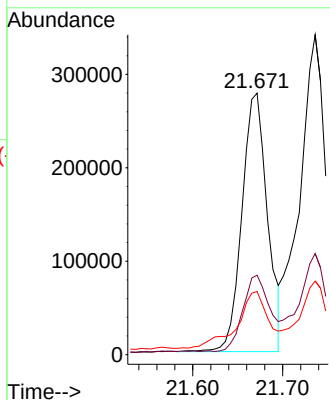
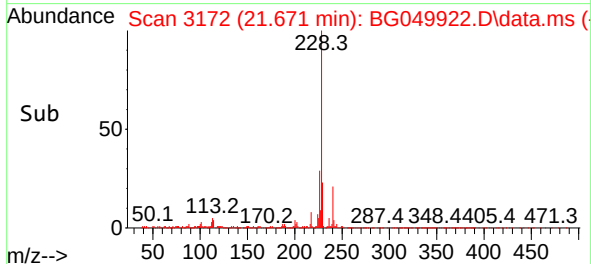
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205



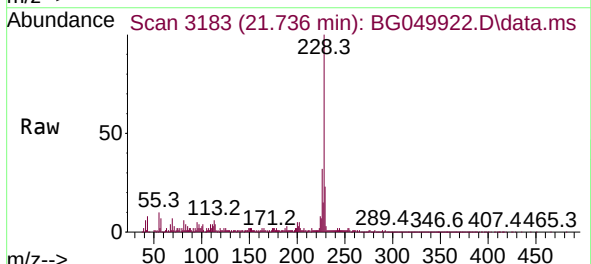
Tgt Ion:228 Resp: 545616
Ion Ratio Lower Upper
228 100
226 30.4 22.7 34.1
229 24.2 16.0 24.0#

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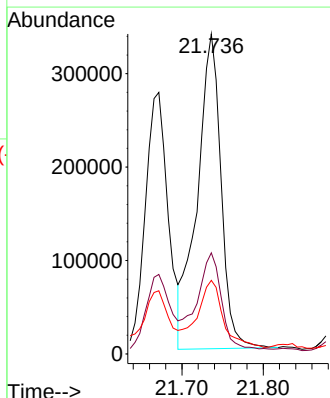
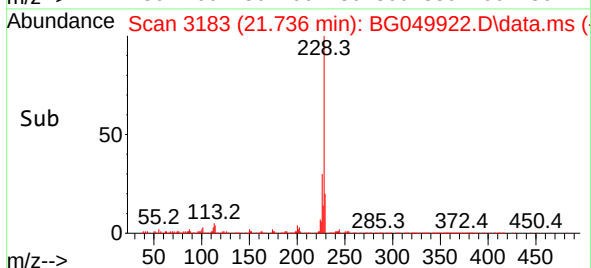
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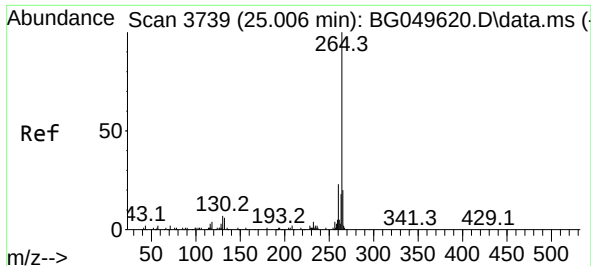


#83
Chrysene
Concen: 36.391 ng
RT: 21.736 min Scan# 3183
Delta R.T. 0.030 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



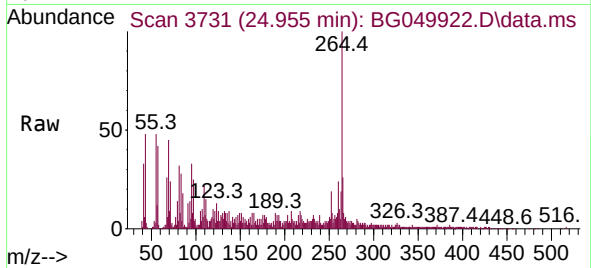
Tgt Ion:228 Resp: 688118
Ion Ratio Lower Upper
228 100
226 31.6 23.1 34.7
229 23.0 15.3 22.9#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.955 min Scan# 3731
 Delta R.T. 0.072 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33

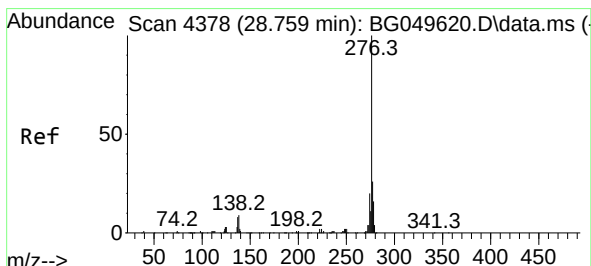
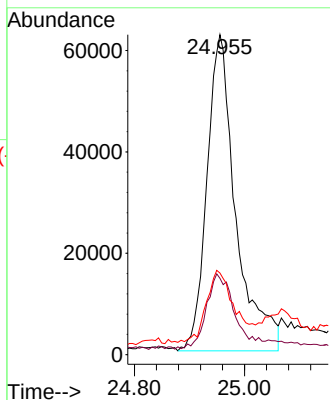
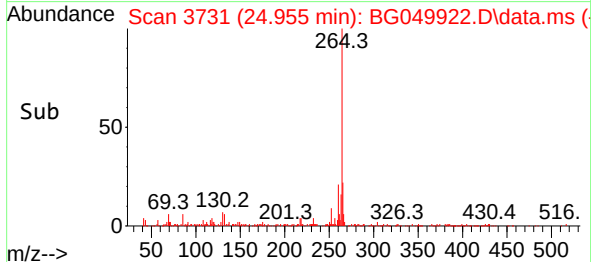
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205



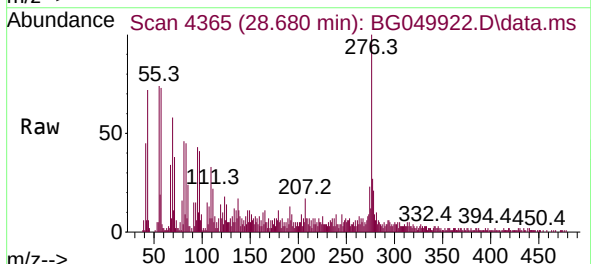
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	25.5	16.9	25.3#

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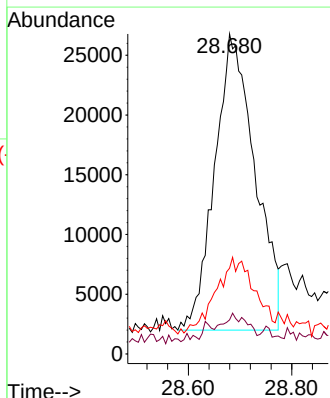
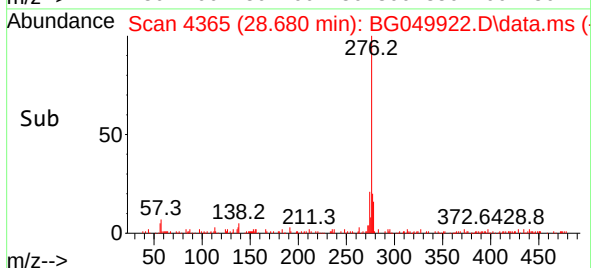
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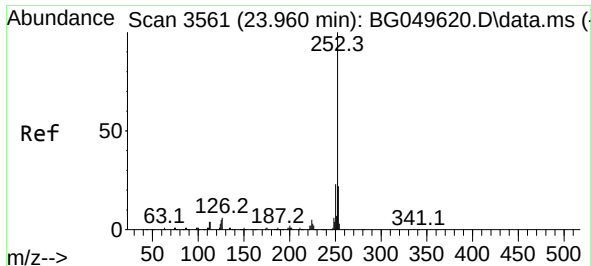


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.192 ng
 RT: 28.680 min Scan# 4365
 Delta R.T. 0.101 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33



Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.5	5.1	7.7
277	13.3	19.8	29.6#





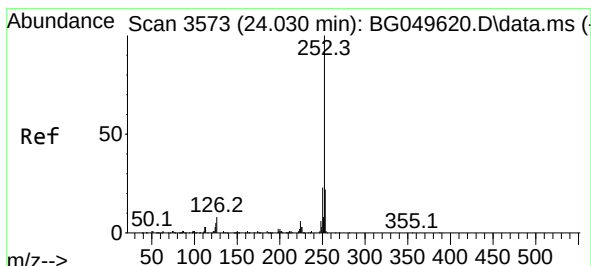
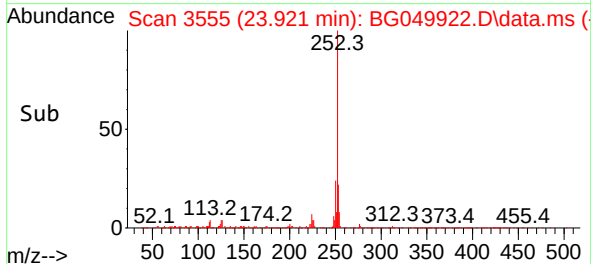
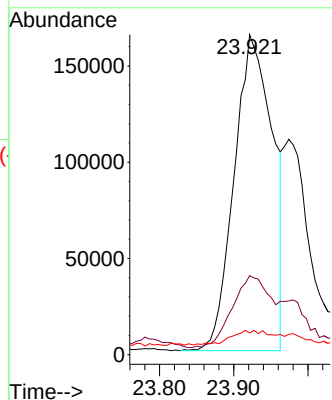
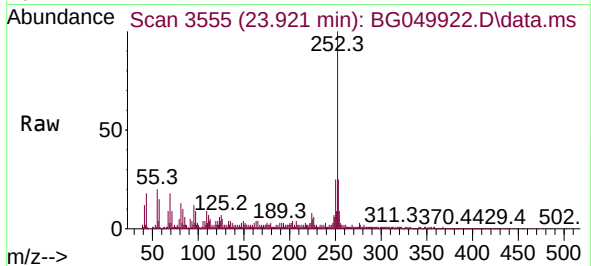
#88
Benzo(b)fluoranthene
Concen: 39.452 ng
RT: 23.921 min Scan# 3555
Delta R.T. 0.060 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:252 Resp: 588707
Ion Ratio Lower Upper
252 100
253 24.7 16.2 24.4#
125 6.8 3.0 4.4#

Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

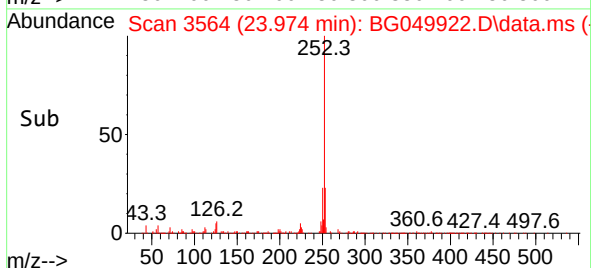
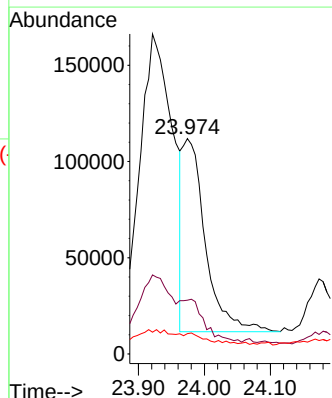
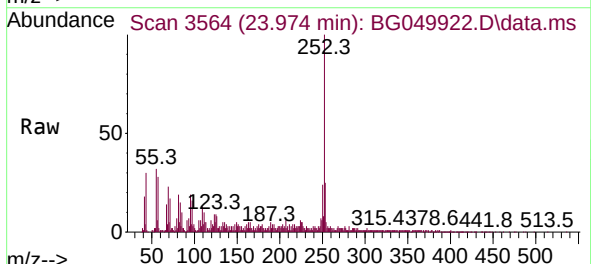
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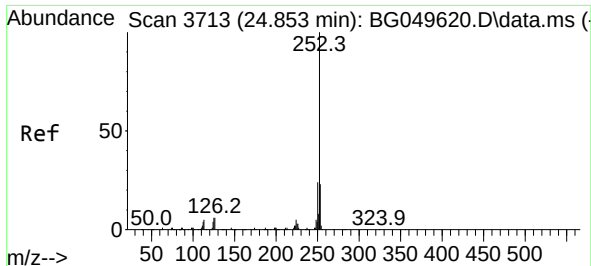
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#89
Benzo(k)fluoranthene
Concen: 17.351 ng m
RT: 23.974 min Scan# 3564
Delta R.T. 0.048 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

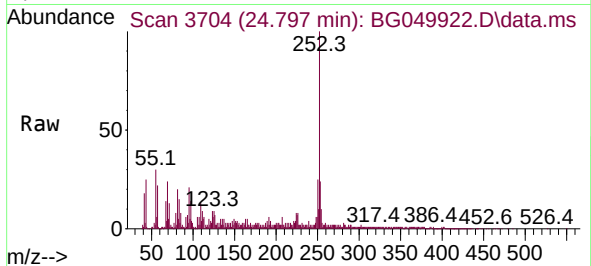
Tgt Ion:252 Resp: 241501
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 9.4 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 28.200 ng
RT: 24.797 min Scan# 3704
Delta R.T. 0.060 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

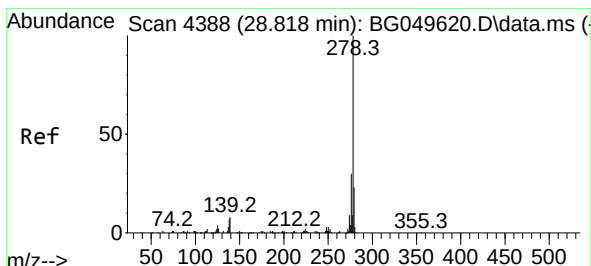
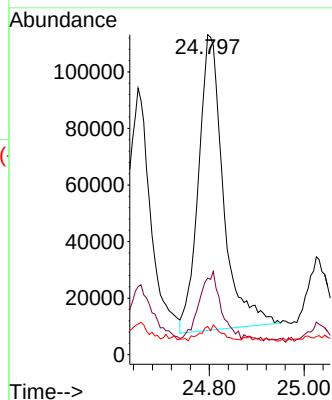
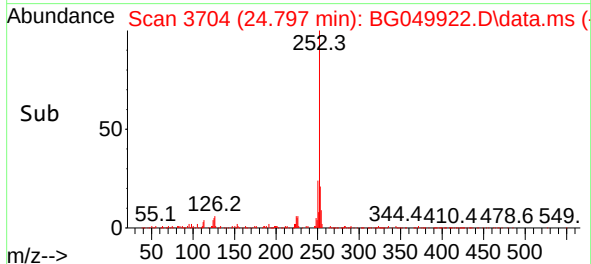
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205



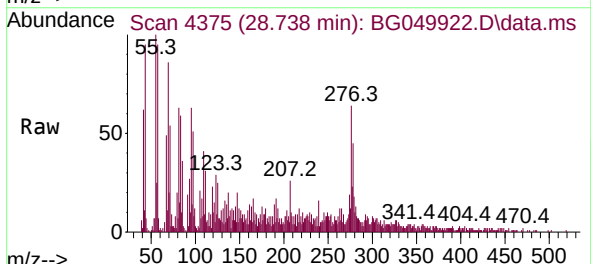
Tgt Ion:252 Resp: 380817
Ion Ratio Lower Upper
252 100
253 23.9 16.6 25.0
125 8.8 3.5 5.3#

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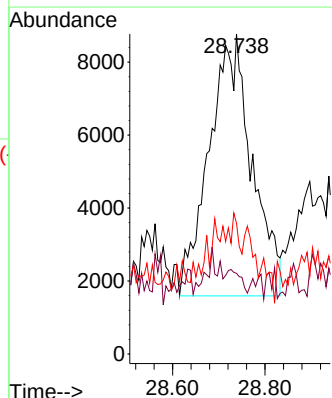
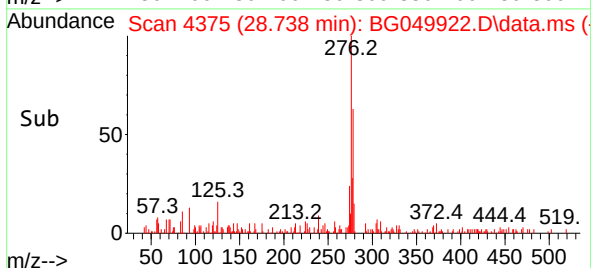
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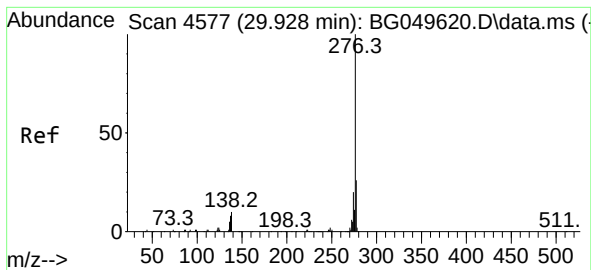


#91
Dibenzo(a,h)anthracene
Concen: 3.337 ng m
RT: 28.738 min Scan# 4375
Delta R.T. 0.101 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33



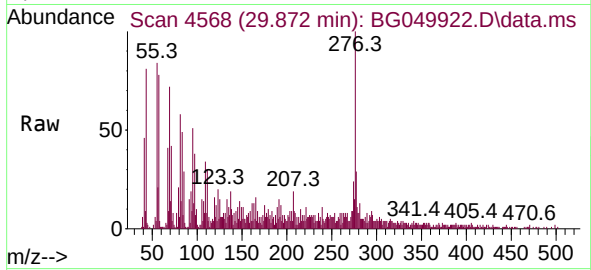
Tgt Ion:278 Resp: 46134
Ion Ratio Lower Upper
278 100
139 25.2 4.6 6.8#
279 40.8 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 8.316 ng
 RT: 29.872 min Scan# 4568
 Delta R.T. 0.136 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205



Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.3	18.4	27.6#
138	10.3	7.0	10.6

Manual Integrations
 APPROVED

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