

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049920.D
 Acq On : 20 Aug 2021 22:11
 Operator : CG/JU
 Sample : M3398-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-05-0002

Quant Time: Aug 21 05:20:52 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)

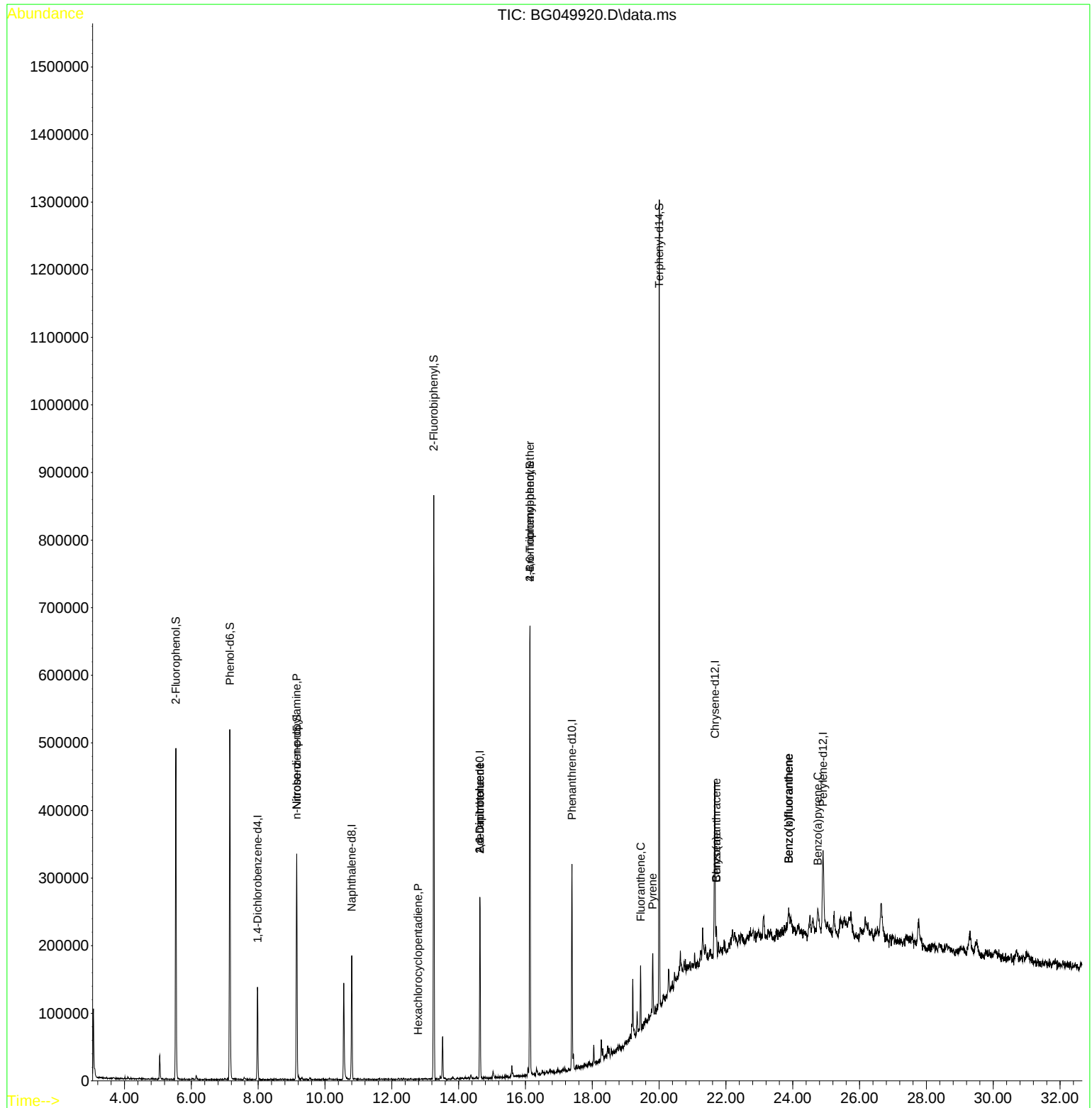
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	37379	20.000	ng	0.00
21) Naphthalene-d8	10.800	136	149995	20.000	ng	# 0.00
39) Acenaphthene-d10	14.636	164	97117	20.000	ng	0.00
64) Phenanthrene-d10	17.391	188	176571	20.000	ng	# 0.00
76) Chrysene-d12	21.668	240	157277	20.000	ng	0.00
86) Perylene-d12	24.905	264	138764	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	206440	99.004	ng	0.00
7) Phenol-d6	7.152	99	287332	91.031	ng	0.00
23) Nitrobenzene-d5	9.155	82	206788	61.006	ng	0.00
42) 2,4,6-Tribromophenol	16.134	330	132082	92.527	ng	0.00
45) 2-Fluorobiphenyl	13.256	172	445463	66.742	ng	0.00
79) Terphenyl-d14	20.005	244	543730	62.789	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.149	70	29748	14.084	ng	# 66
41) Hexachlorocyclopentadiene	12.786	237	69	3.583	ng	# 31
51) 2,6-Dinitrotoluene	14.636	165	12853	7.967	ng	# 11
57) 2,4-Dinitrotoluene	14.636	165	12853	5.672	ng	# 16
67) 4-Bromophenyl-phenylether	16.134	248	8351	4.016	ng	# 1
75) Fluoranthene	19.447	202	59261	5.184	ng	99
78) Pyrene	19.806	202	58927	5.496	ng	97
81) Benzo(a)anthracene	21.715	228	33660	3.286	ng	97
83) Chrysene	21.715	228	33660	3.438	ng	96
88) Benzo(b)fluoranthene	23.877	252	44706	4.912	ng	# 88
89) Benzo(k)fluoranthene	23.877	252	44706	5.266	ng	# 92
90) Benzo(a)pyrene	24.752	252	28000	3.400	ng	# 86

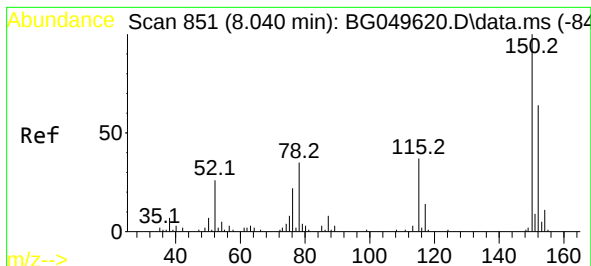
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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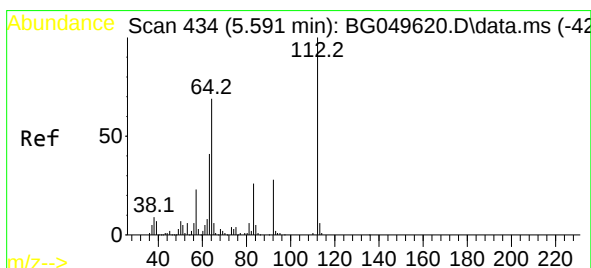
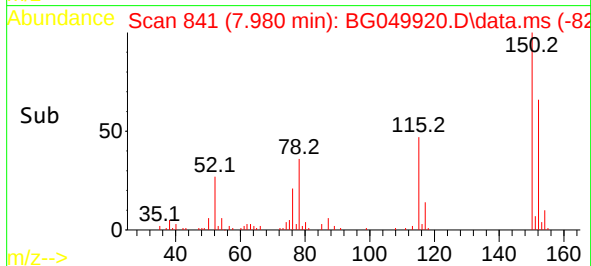
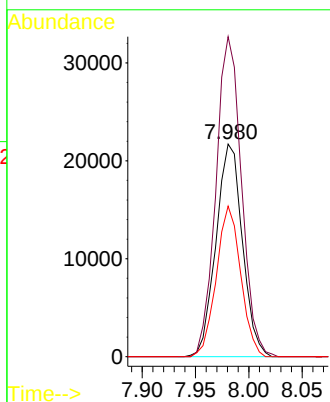
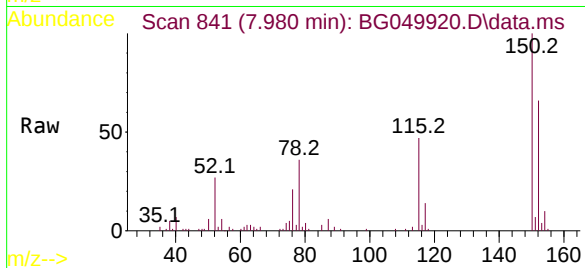




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.980 min Scan# 841
Delta R.T. 0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

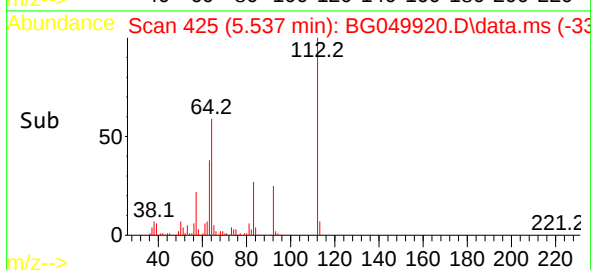
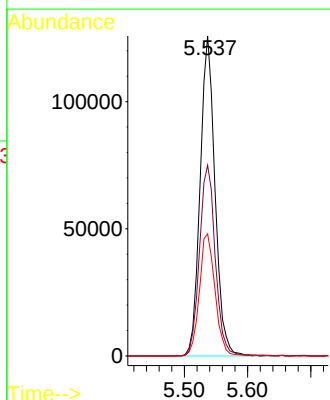
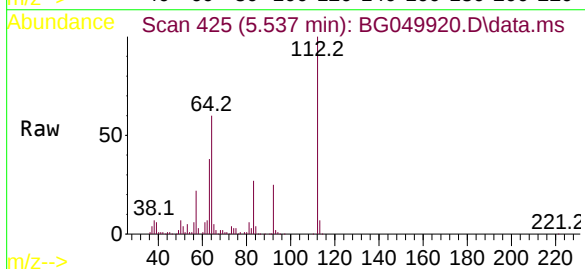
Instrument :
BNA_G
ClientSampleId :
SWCS-05-0002

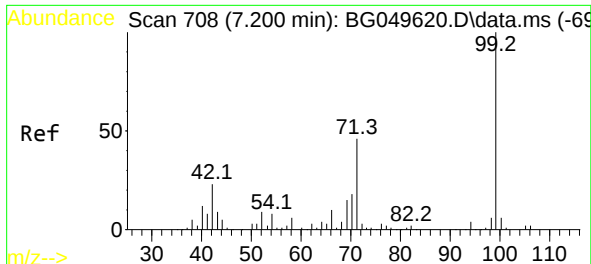
Tgt Ion:152 Resp: 37379
Ion Ratio Lower Upper
152 100
150 150.5 119.4 179.0
115 70.8 60.2 90.4



#5
2-Fluorophenol
Concen: 99.004 ng
RT: 5.537 min Scan# 425
Delta R.T. 0.009 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:112 Resp: 206440
Ion Ratio Lower Upper
112 100
64 59.6 46.7 70.1
63 38.1 35.3 52.9

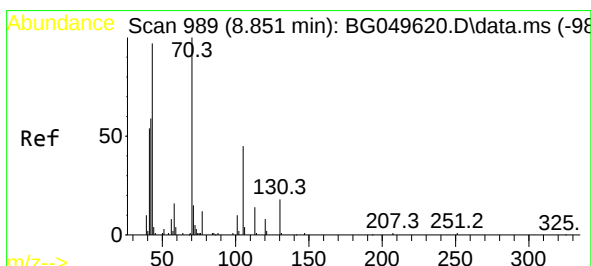
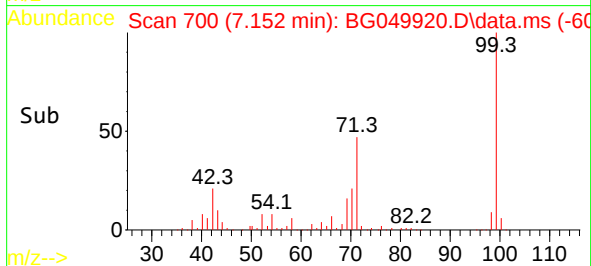
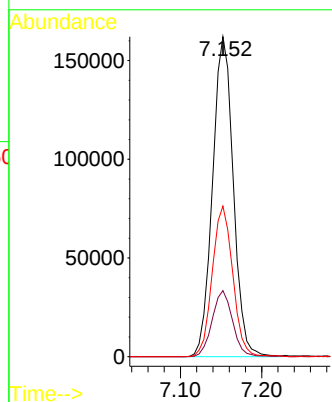
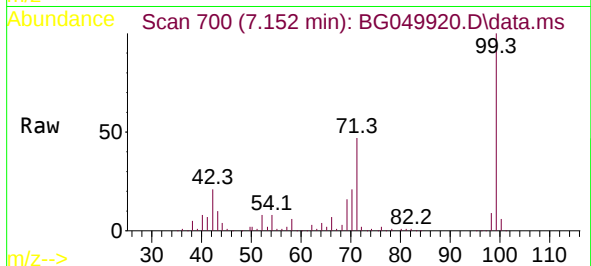




#7
Phenol-d6
Concen: 91.031 ng
RT: 7.152 min Scan# 700
Delta R.T. 0.009 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

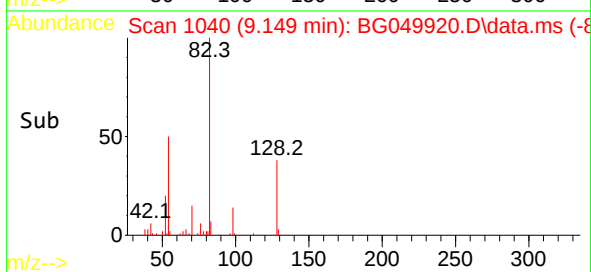
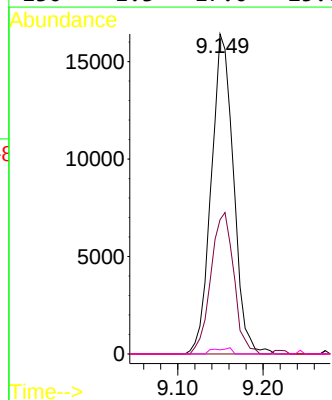
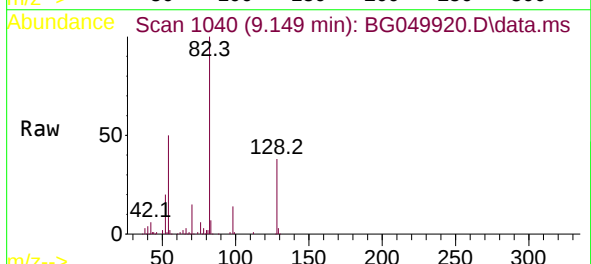
Instrument :
BNA_G
ClientSampleId :
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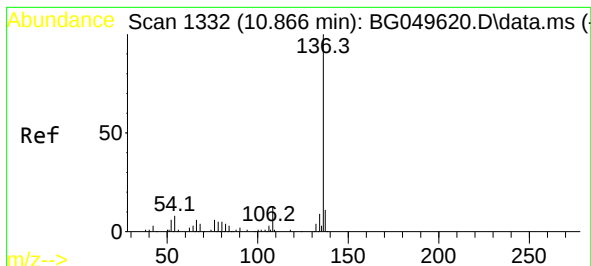
Tgt Ion: 99 Resp: 287332
Ion Ratio Lower Upper
99 100
42 20.7 20.5 30.7
71 47.0 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.084 ng
RT: 9.149 min Scan# 1040
Delta R.T. 0.362 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion: 70 Resp: 29748
Ion Ratio Lower Upper
70 100
42 42.0 54.5 81.7#
101 0.0 9.0 13.6#
130 1.3 17.0 25.6#

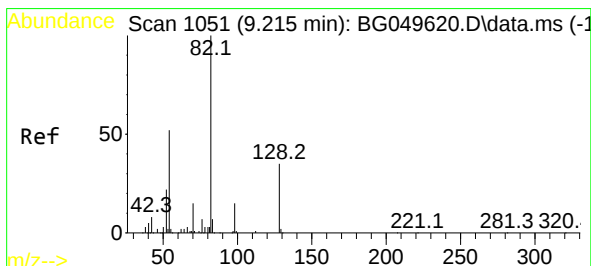
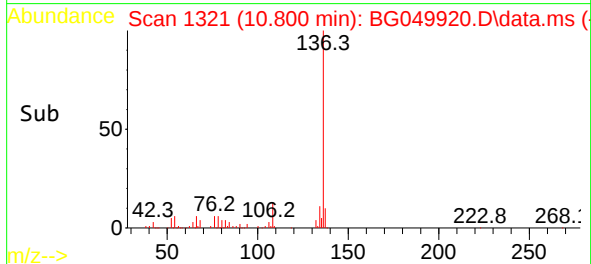
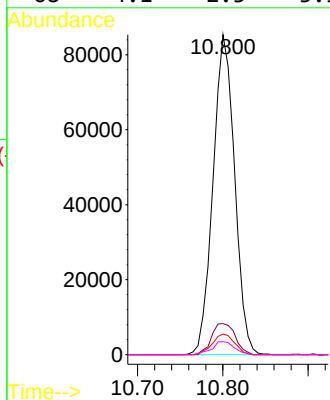
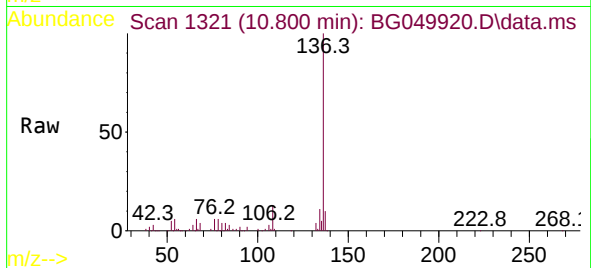




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.800 min Scan# 1321
Delta R.T. 0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

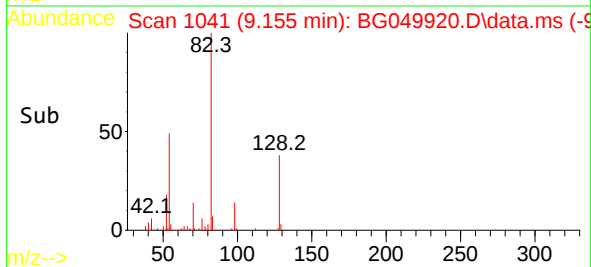
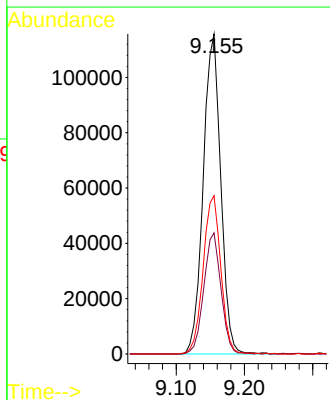
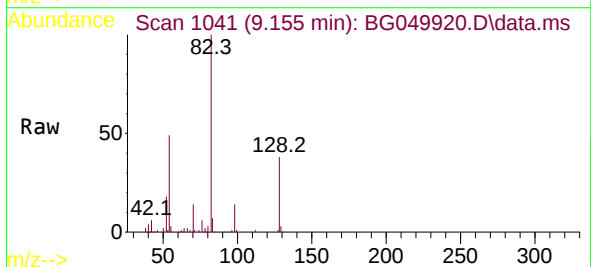
Instrument :
BNA_G
ClientSampleId :
SWCS-05-0002

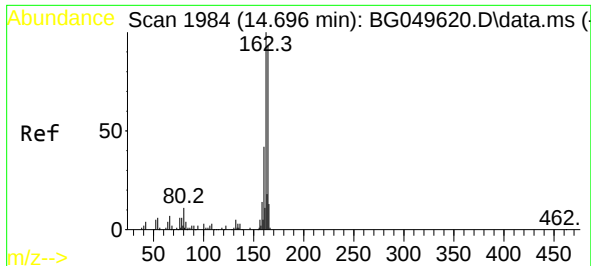
Tgt Ion:	136	Resp:	149995
Ion Ratio	Lower	Upper	
136	100		
137	9.7	8.2	12.2
54	6.5	5.5	8.3
68	4.1	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 61.006 ng
RT: 9.155 min Scan# 1041
Delta R.T. 0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:	82	Resp:	206788
Ion Ratio	Lower	Upper	
82	100		
128	37.8	29.8	44.6
54	49.5	45.8	68.8

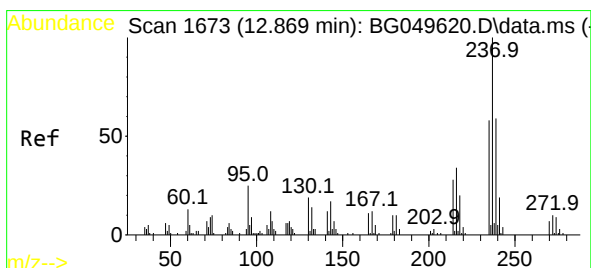
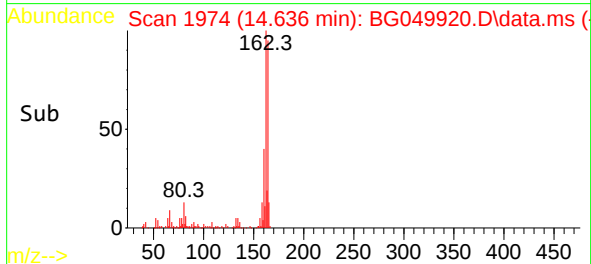
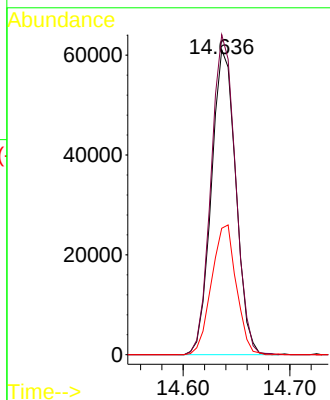
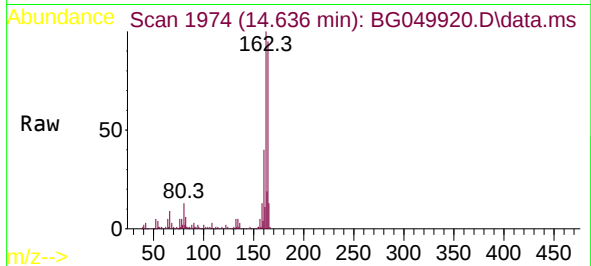




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.636 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

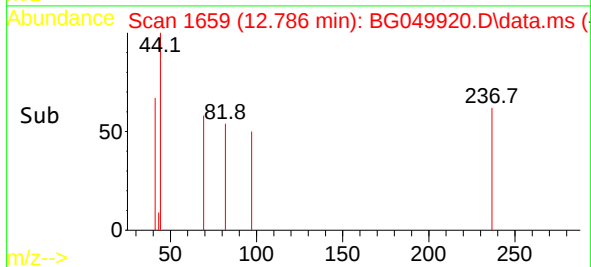
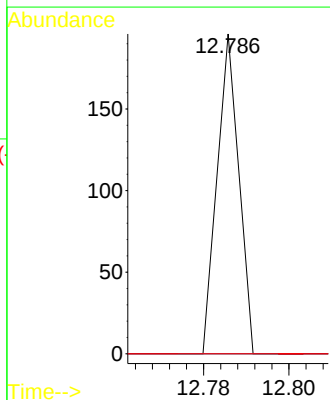
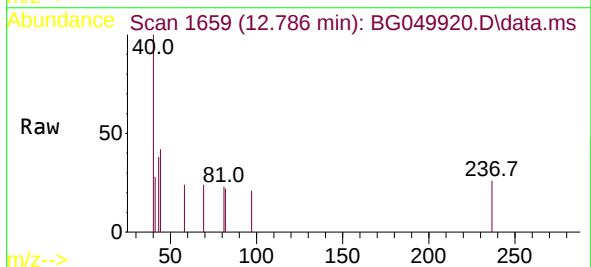
Instrument :
BNA_G
ClientSampleId :
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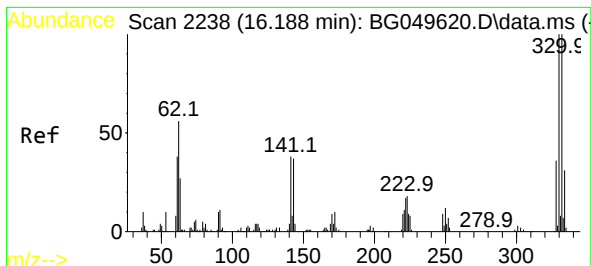
Tgt Ion:164 Resp: 97117
Ion Ratio Lower Upper
164 100
162 104.9 81.4 122.0
160 41.5 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 3.583 ng
RT: 12.786 min Scan# 1659
Delta R.T. -0.014 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:237 Resp: 69
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5

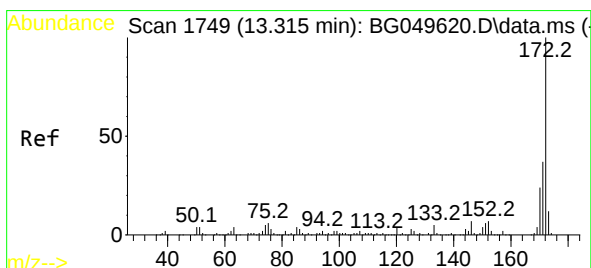
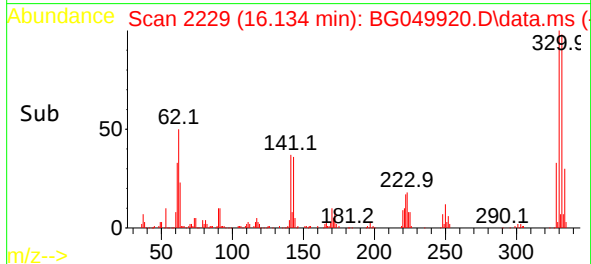
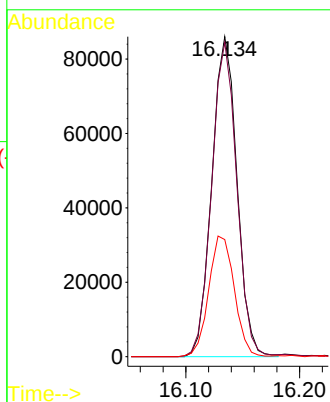
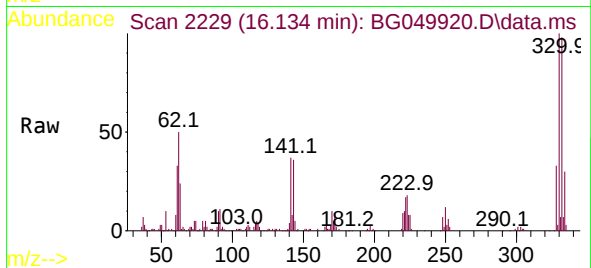




#42
2,4,6-Tribromophenol
Concen: 92.527 ng
RT: 16.134 min Scan# 2229
Delta R.T. 0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

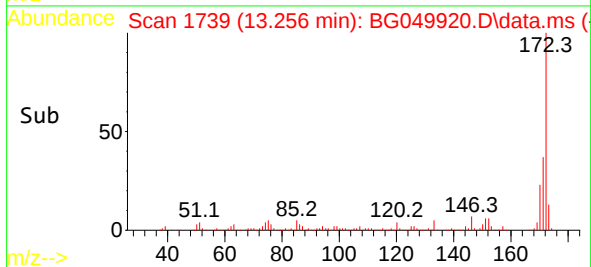
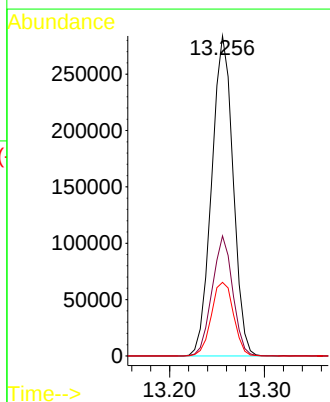
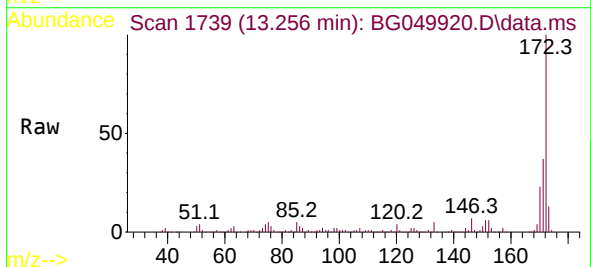
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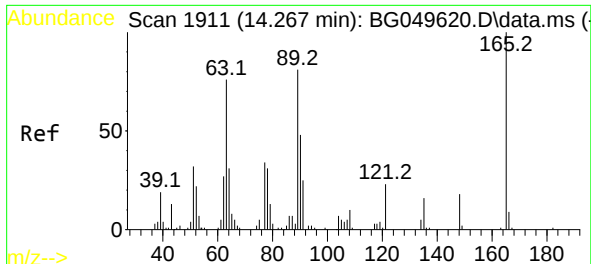
Tgt Ion:330 Resp: 132082
Ion Ratio Lower Upper
330 100
332 98.7 77.3 115.9
141 38.5 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 66.742 ng
RT: 13.256 min Scan# 1739
Delta R.T. 0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:172 Resp: 445463
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 23.0 18.6 27.8

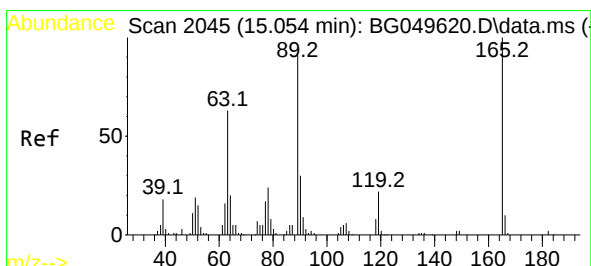
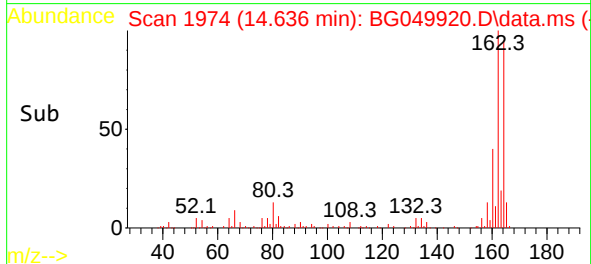
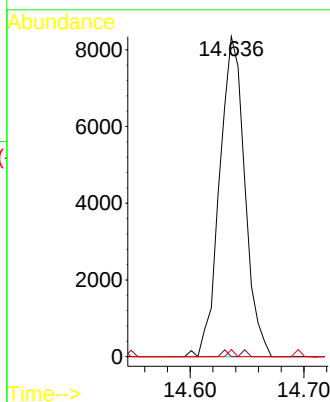
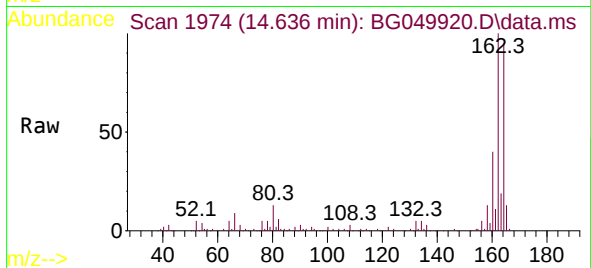




#51
2,6-Dinitrotoluene
Concen: 7.967 ng
RT: 14.636 min Scan# 1974
Delta R.T. 0.426 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

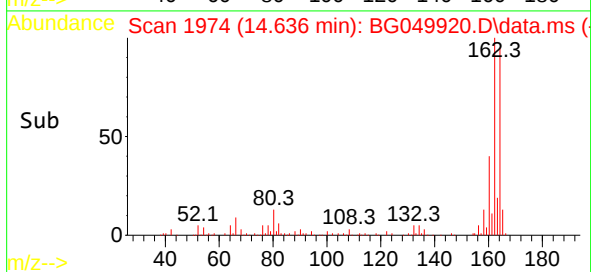
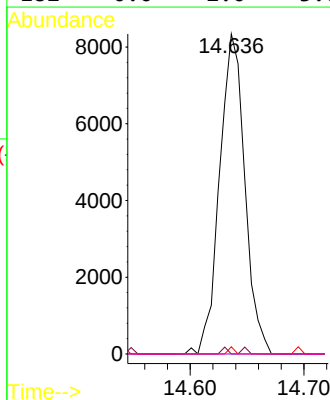
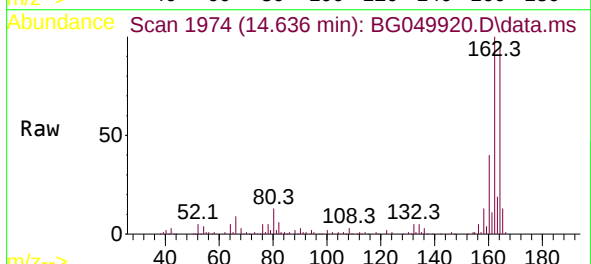
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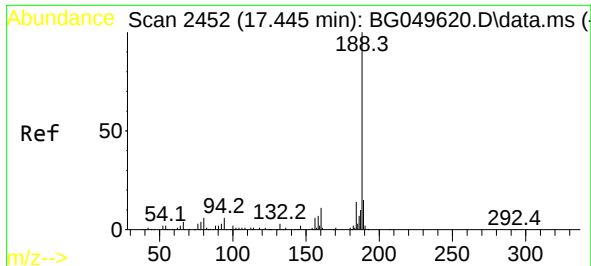
Tgt Ion:165 Resp: 12853
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.3 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.672 ng
RT: 14.636 min Scan# 1974
Delta R.T. -0.367 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:165 Resp: 12853
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.3 65.4 98.0#
182 0.0 2.0 3.0#

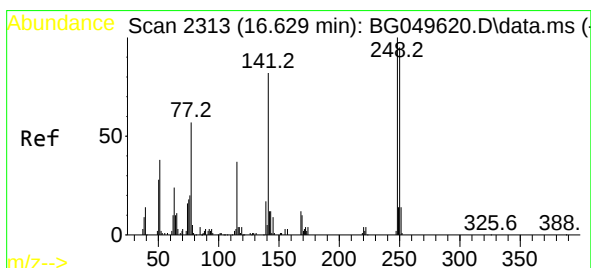
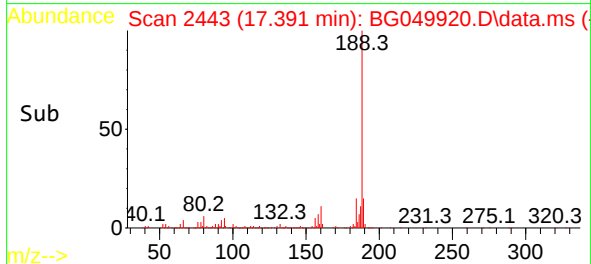
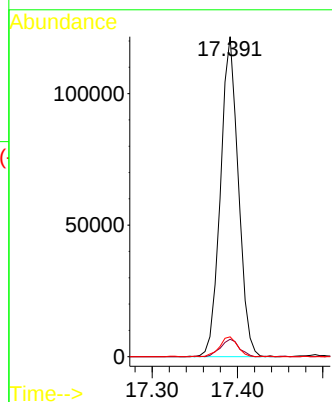
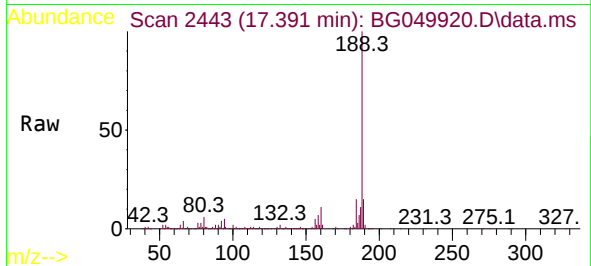




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.391 min Scan# 2443
Delta R.T. 0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

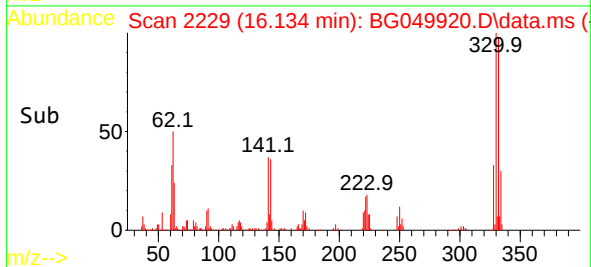
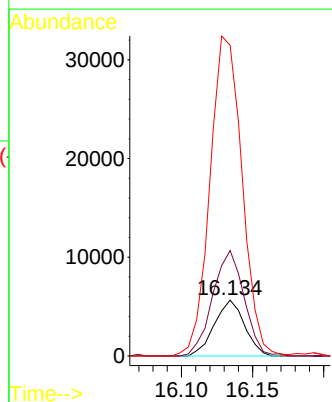
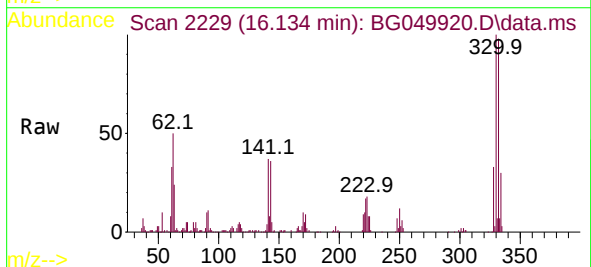
Instrument :
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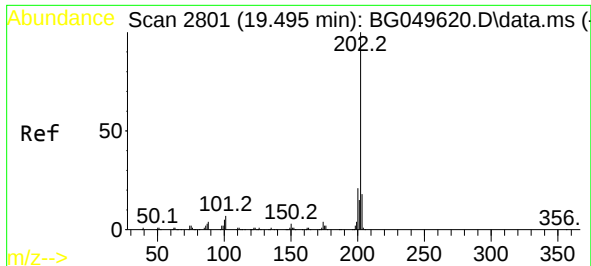
Tgt Ion:188 Resp: 176571
Ion Ratio Lower Upper
188 100
94 5.5 5.4 8.0
80 6.2 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.016 ng
RT: 16.134 min Scan# 2229
Delta R.T. -0.437 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:248 Resp: 8351
Ion Ratio Lower Upper
248 100
250 189.1 76.1 114.1#
141 557.0 65.4 98.2#

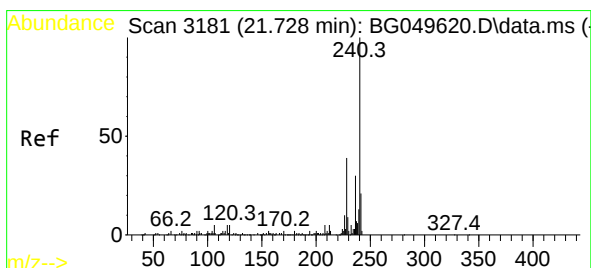
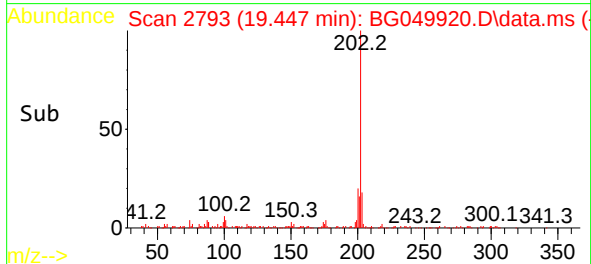
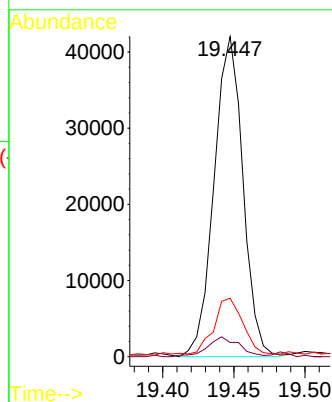
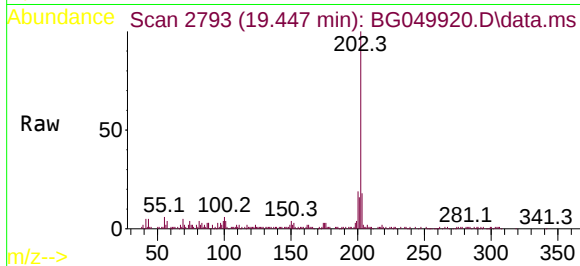




#75
Fluoranthene
Concen: 5.184 ng
RT: 19.447 min Scan# 2793
Delta R.T. 0.003 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

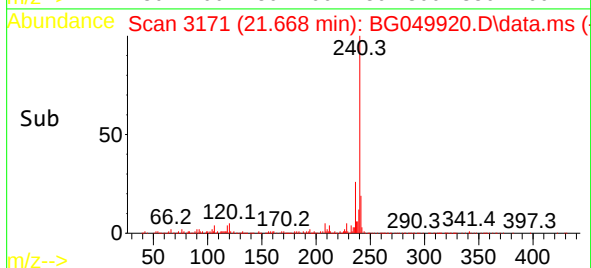
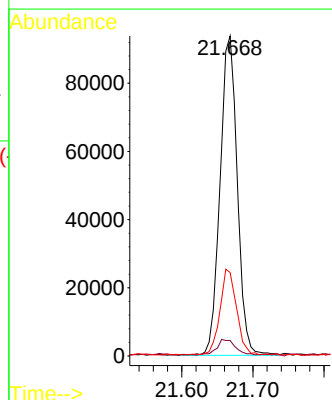
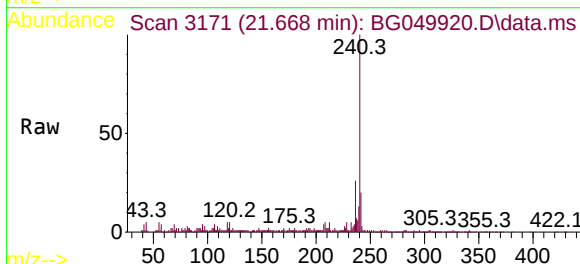
Instrument :
BNA_G
ClientSampleId :
SWCS-05-0002

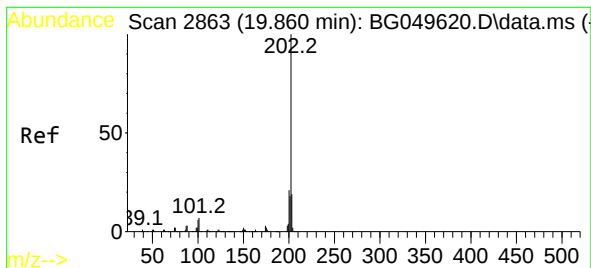
Tgt Ion:202	Resp:	59261
Ion Ratio	Lower	Upper
202	100	
101	4.4	0.0 24.7
203	18.3	0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.668 min Scan# 3171
Delta R.T. 0.009 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:240	Resp:	157277
Ion Ratio	Lower	Upper
240	100	
120	4.8	4.2 6.2
236	26.1	21.8 32.6





#78

Pyrene

Concen: 5.496 ng

RT: 19.806 min Scan# 2854

Delta R.T. 0.003 min

Lab File: BG049920.D

Acq: 20 Aug 2021 22:11

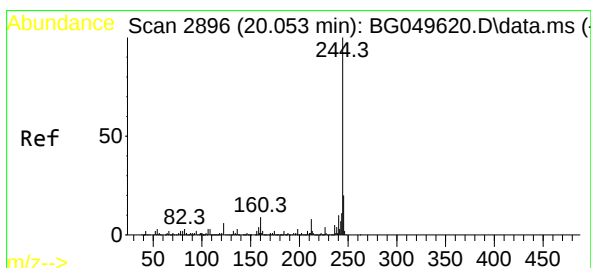
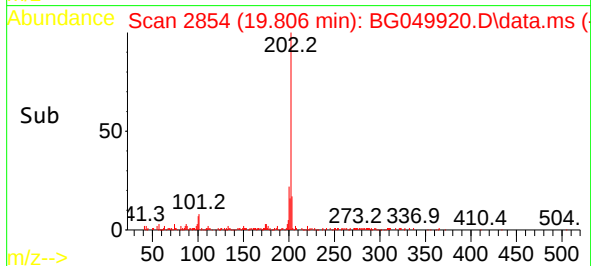
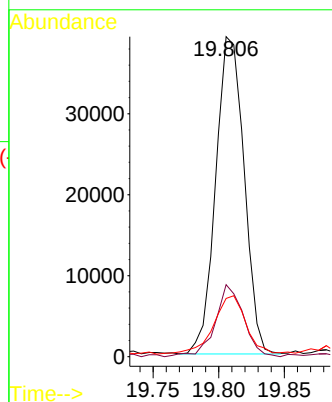
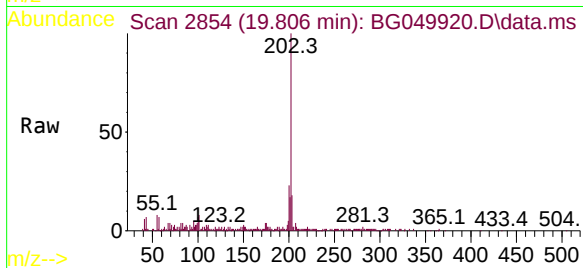
Instrument :

BNA_G

ClientSampleId :

SWCS-05-0002

Tgt Ion:	202	Resp:	58927
Ion Ratio	Lower	Upper	
202	100		
200	22.5	15.8	23.8
203	18.2	14.6	21.8



#79

Terphenyl-d14

Concen: 62.789 ng

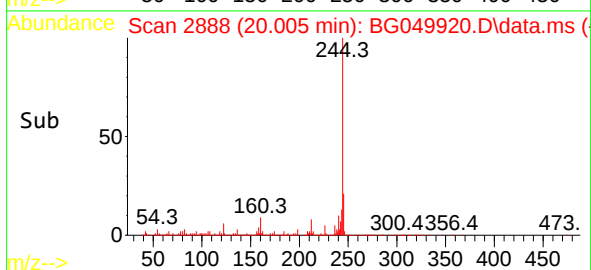
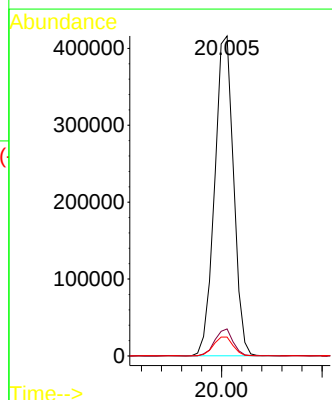
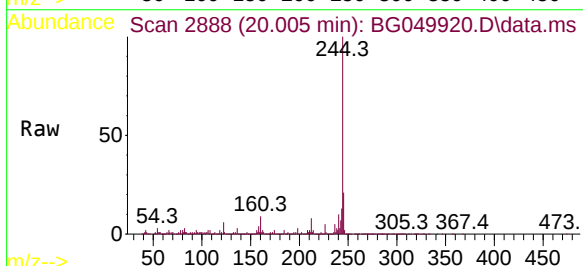
RT: 20.005 min Scan# 2888

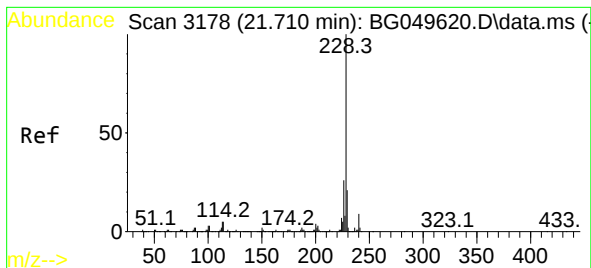
Delta R.T. 0.009 min

Lab File: BG049920.D

Acq: 20 Aug 2021 22:11

Tgt Ion:	244	Resp:	543730
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.9	10.3
122	5.9	5.0	7.6

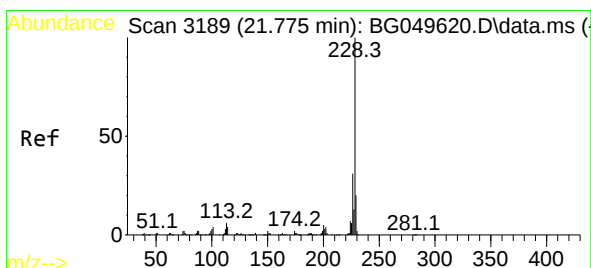
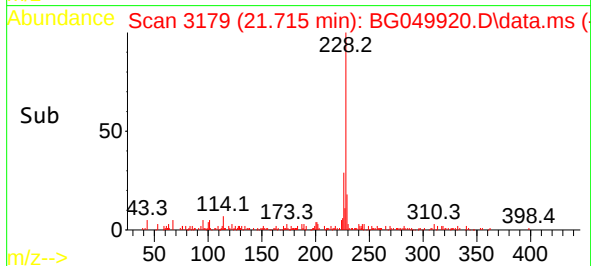
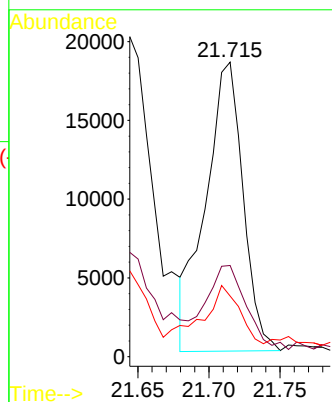
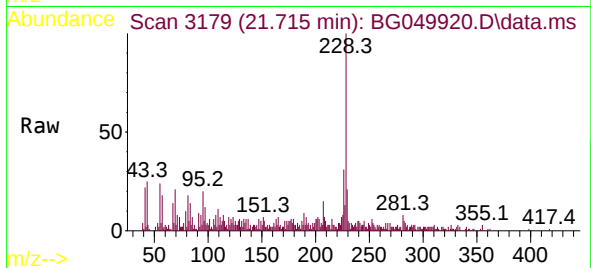




#81
Benzo(a)anthracene
Concen: 3.286 ng
RT: 21.715 min Scan# 3179
Delta R.T. 0.074 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

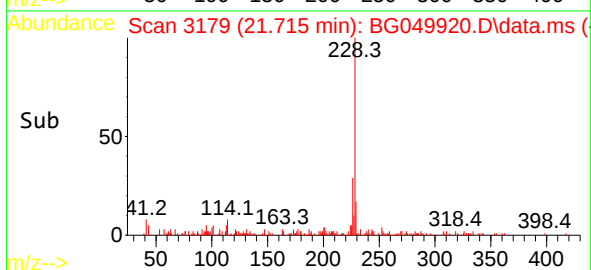
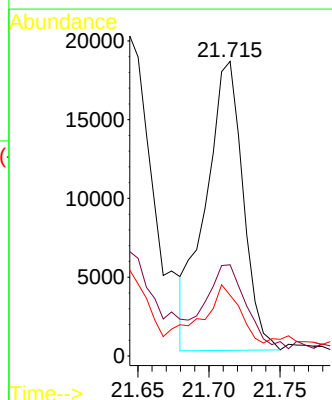
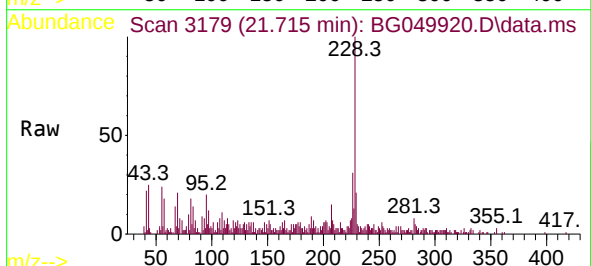
Instrument :
BNA_G
ClientSampleId :
SWCS-05-0002

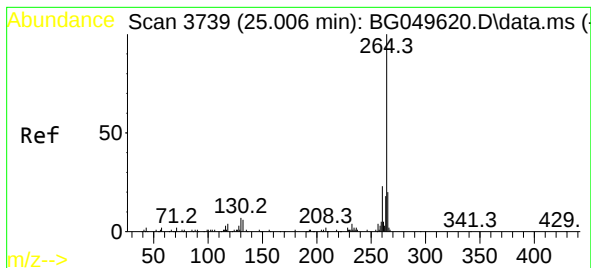
Tgt Ion:228 Resp: 33660
Ion Ratio Lower Upper
228 100
226 31.0 22.7 34.1
229 20.6 16.0 24.0



#83
Chrysene
Concen: 3.438 ng
RT: 21.715 min Scan# 3179
Delta R.T. 0.009 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:228 Resp: 33660
Ion Ratio Lower Upper
228 100
226 31.0 23.1 34.7
229 20.6 15.3 22.9

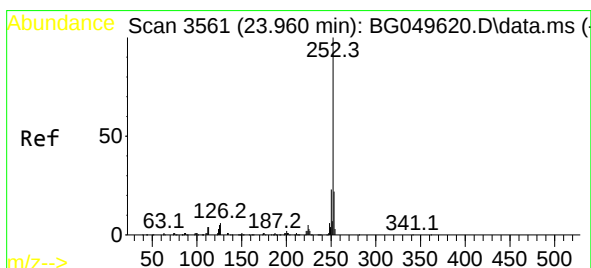
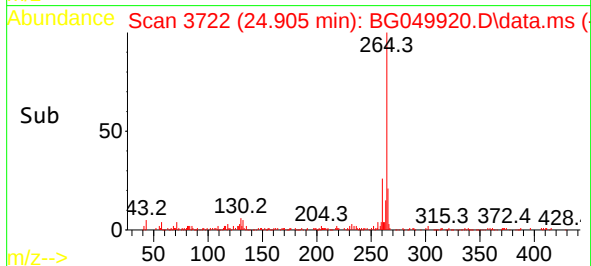
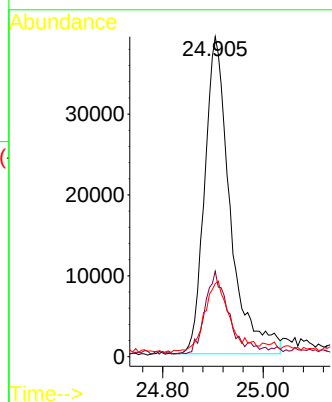
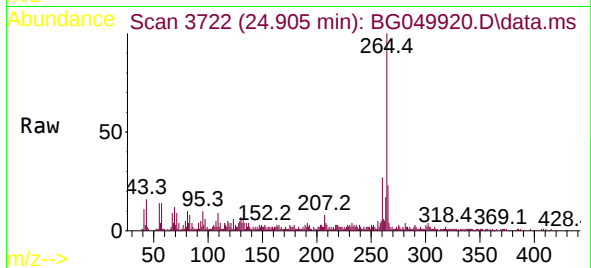




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.905 min Scan# 3722
 Delta R.T. 0.021 min
 Lab File: BG049920.D
 Acq: 20 Aug 2021 22:11

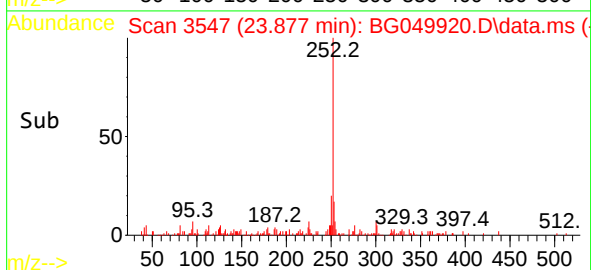
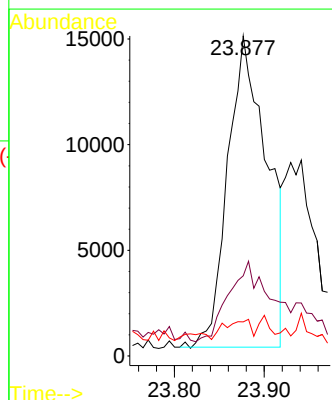
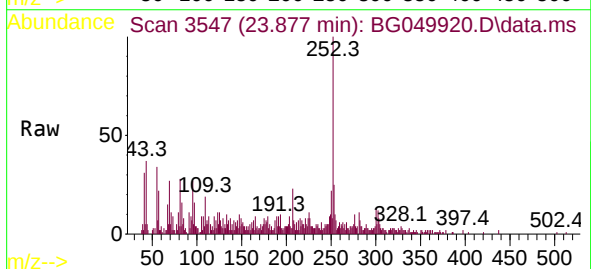
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-05-0002

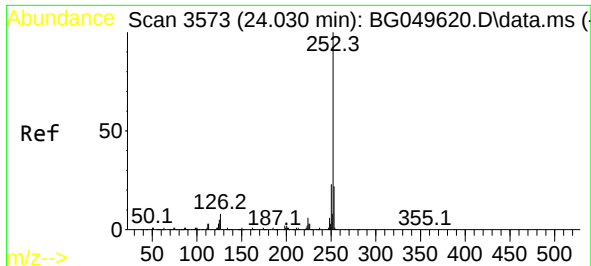
Tgt Ion:264 Resp: 138764
 Ion Ratio Lower Upper
 264 100
 260 26.7 19.4 29.2
 265 22.8 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.912 ng
 RT: 23.877 min Scan# 3547
 Delta R.T. 0.015 min
 Lab File: BG049920.D
 Acq: 20 Aug 2021 22:11

Tgt Ion:252 Resp: 44706
 Ion Ratio Lower Upper
 252 100
 253 25.1 16.2 24.4#
 125 10.7 3.0 4.4#

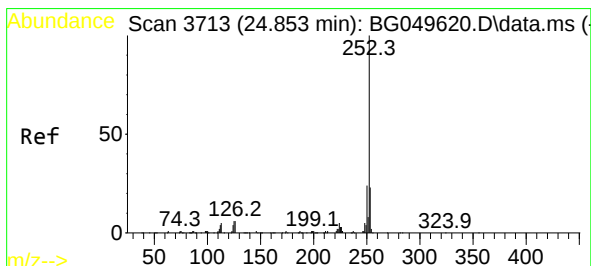
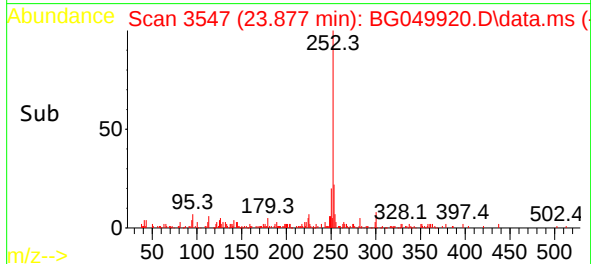
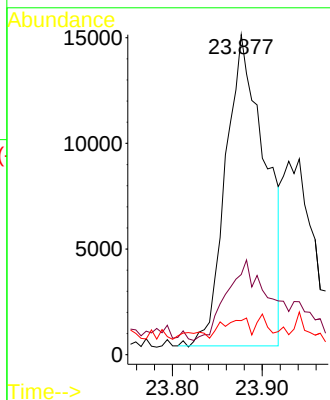
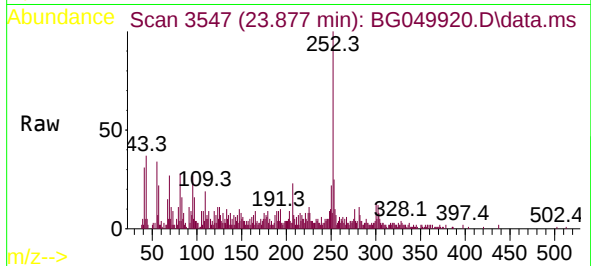




#89
Benzo(k)fluoranthene
Concen: 5.266 ng
RT: 23.877 min Scan# 3547
Delta R.T. -0.050 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Instrument :
BNA_G
ClientSampleId :
SWCS-05-0002

Tgt Ion:252 Resp: 44706
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 10.7 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 3.400 ng
RT: 24.752 min Scan# 3696
Delta R.T. 0.015 min
Lab File: BG049920.D
Acq: 20 Aug 2021 22:11

Tgt Ion:252 Resp: 28000
Ion Ratio Lower Upper
252 100
253 26.1 16.6 25.0#
125 12.4 3.5 5.3#

