

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049924.D
 Acq On : 21 Aug 2021 00:56
 Operator : CG/JU
 Sample : M3434-35
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-15-0205

Quant Time: Aug 21 05:22:14 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)

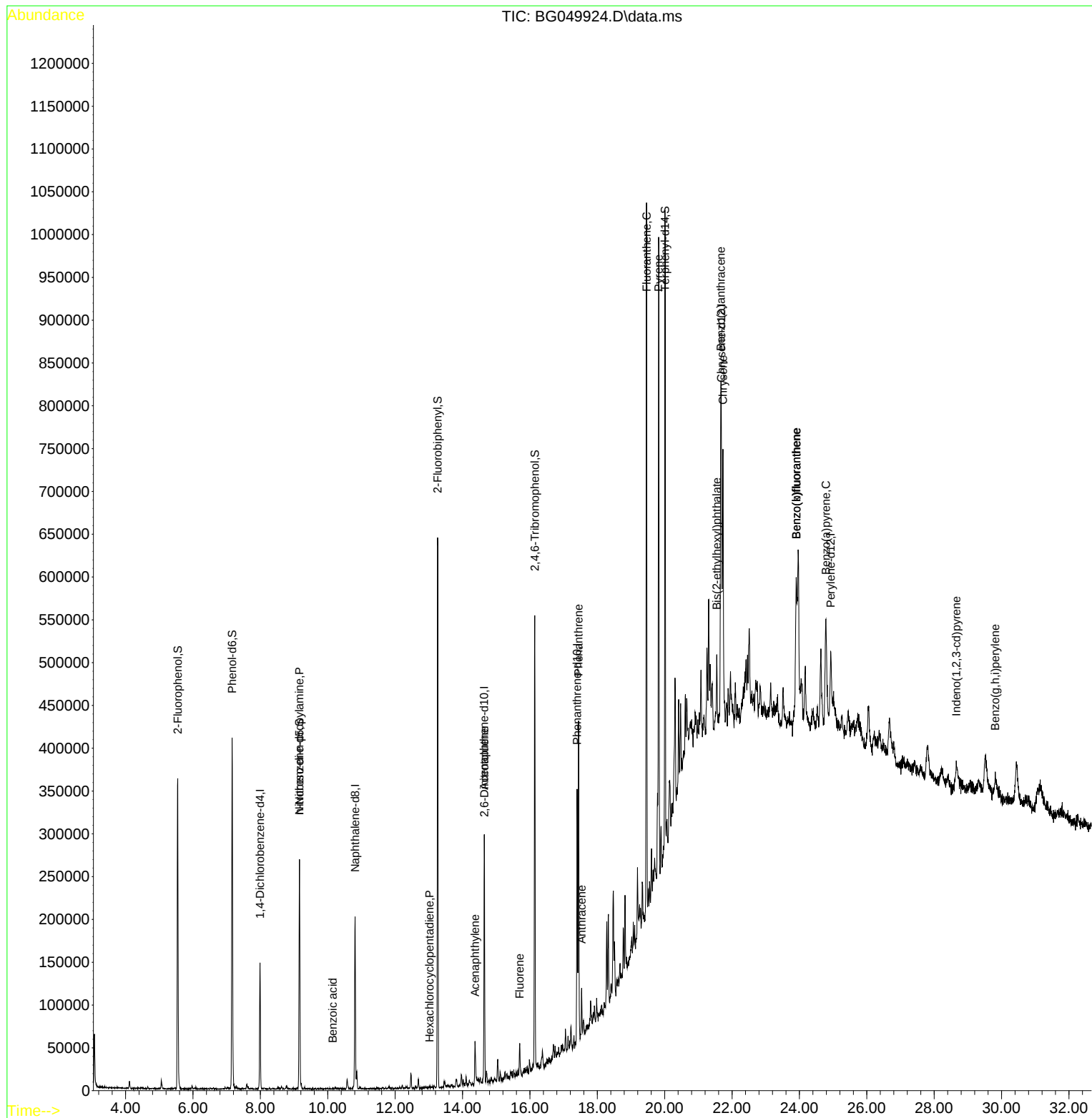
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.990	152	40310	20.000	ng	0.01
21) Naphthalene-d8	10.810	136	167079	20.000	ng	# 0.01
39) Acenaphthene-d10	14.646	164	102279	20.000	ng	0.00
64) Phenanthrene-d10	17.401	188	179751	20.000	ng	# 0.01
76) Chrysene-d12	21.683	240	148953	20.000	ng	# 0.02
86) Perylene-d12	24.932	264	101218	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	159860	71.091	ng	0.02
7) Phenol-d6	7.162	99	228969	67.266	ng	0.02
23) Nitrobenzene-d5	9.159	82	164104	43.463	ng	0.00
42) 2,4,6-Tribromophenol	16.144	330	97144	64.618	ng	0.01
45) 2-Fluorobiphenyl	13.259	172	334927	47.649	ng	0.00
79) Terphenyl-d14	20.009	244	336605	41.043	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.159	70	25856	11.351	ng	# 70
32) Benzoic acid	10.146	122	62	4.982	ng	# 85
41) Hexachlorocyclopentadiene	13.018	237	59	3.575	ng	# 31
49) Acenaphthylene	14.369	152	51970	5.636	ng	94
51) 2,6-Dinitrotoluene	14.651	165	13858	8.156	ng	# 13
58) Fluorene	15.697	166	16961	2.316	ng	85
71) Phenanthrene	17.442	178	230980	24.424	ng	98
72) Anthracene	17.536	178	37014	3.985	ng	96
75) Fluoranthene	19.463	202	529207	45.475	ng	98
78) Pyrene	19.821	202	487794	48.036	ng	97
81) Benzo(a)anthracene	21.665	228	225420	23.238	ng	98
83) Chrysene	21.730	228	282506	30.466	ng	96
84) Bis(2-ethylhexyl)phtha...	21.548	149	23977	4.380	ng	# 89
87) Indeno(1,2,3-cd)pyrene	28.656	276	69699	9.548	ng	# 87
88) Benzo(b)fluoranthene	23.909	252	237959	35.846	ng	# 92
89) Benzo(k)fluoranthene	23.909	252	237959	38.429	ng	# 96
90) Benzo(a)pyrene	24.785	252	154219	25.670	ng	# 92
92) Benzo(g,h,i)perylene	29.807	276	64458	10.696	ng	# 85

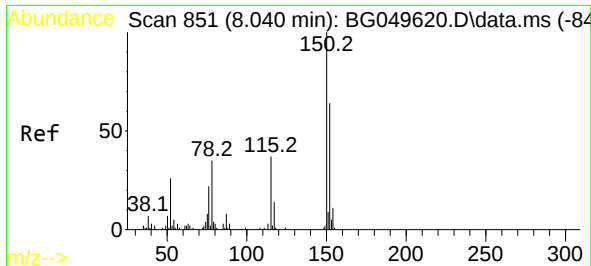
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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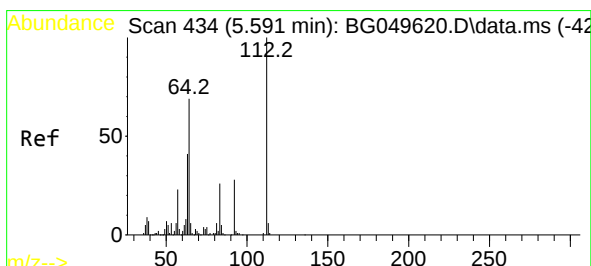
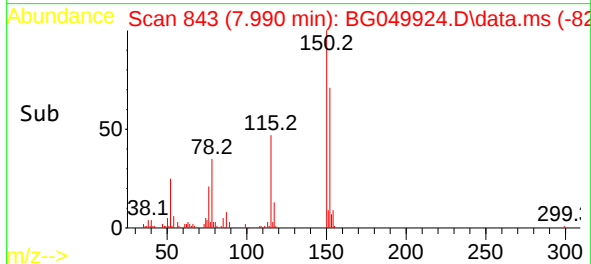
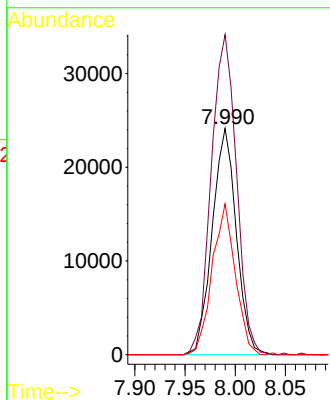
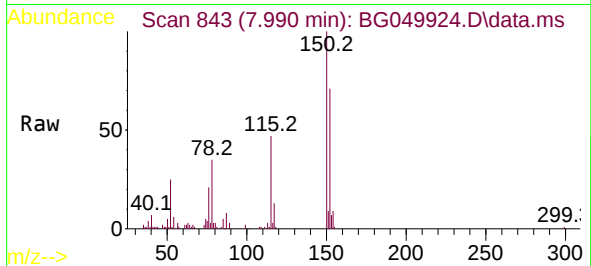




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.990 min Scan# 843
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

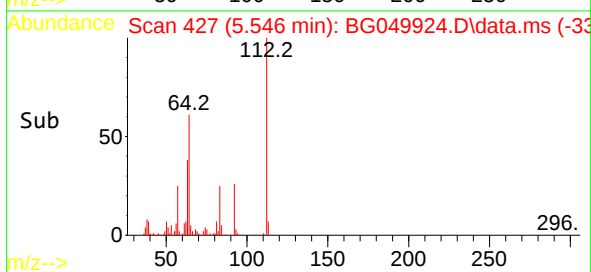
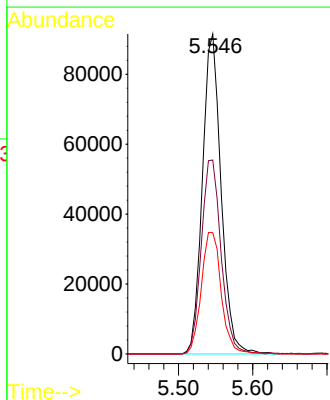
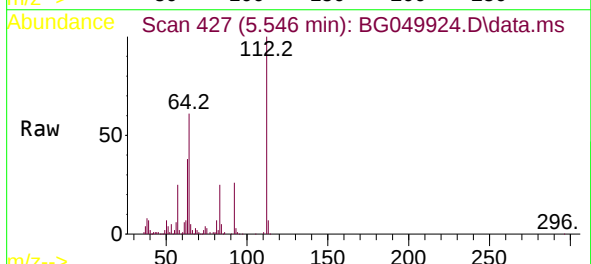
Instrument :
BNA_G
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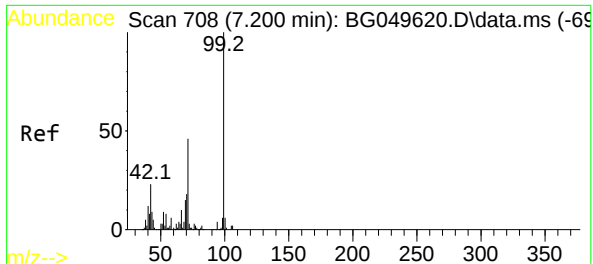
Tgt Ion:152 Resp: 40310
Ion Ratio Lower Upper
152 100
150 141.5 119.4 179.0
115 66.7 60.2 90.4



#5
2-Fluorophenol
Concen: 71.091 ng
RT: 5.546 min Scan# 427
Delta R.T. 0.019 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:112 Resp: 159860
Ion Ratio Lower Upper
112 100
64 60.6 46.7 70.1
63 37.9 35.3 52.9

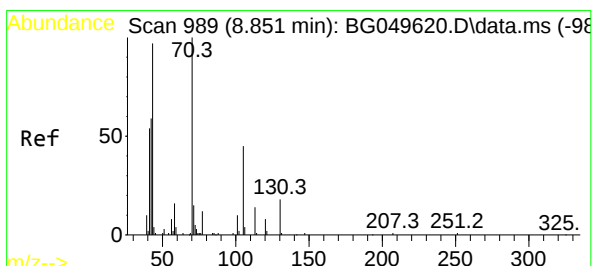
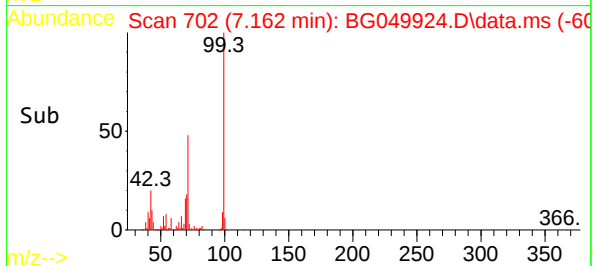
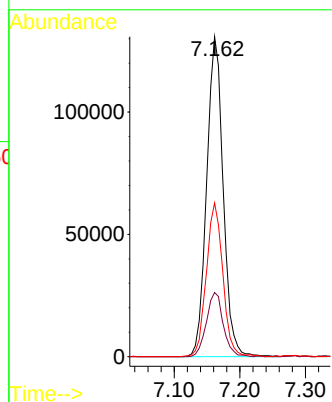
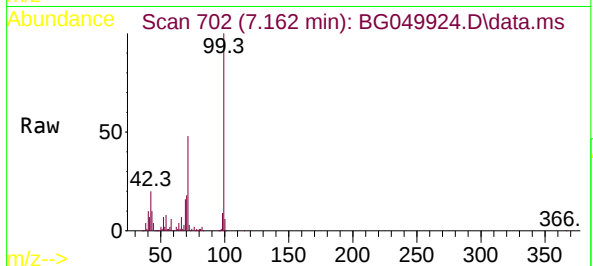




#7
Phenol-d6
Concen: 67.266 ng
RT: 7.162 min Scan# 702
Delta R.T. 0.019 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

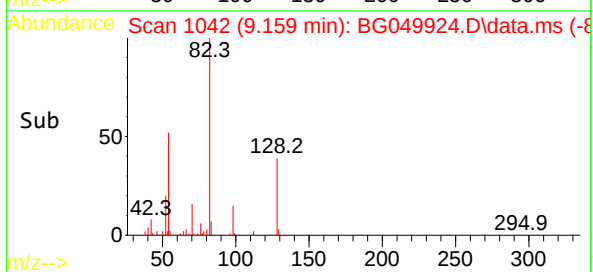
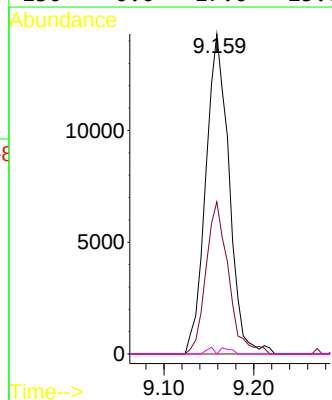
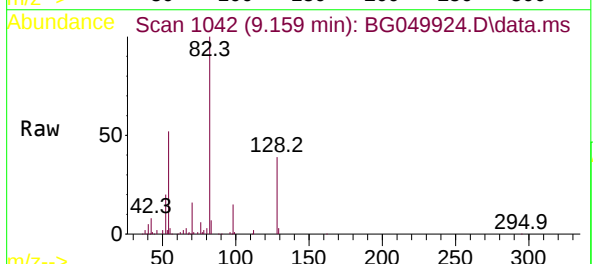
Instrument :
BNA_G
ClientSampleId :
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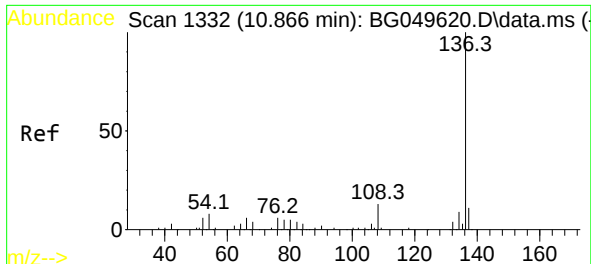
Tgt Ion: 99 Resp: 228969
Ion Ratio Lower Upper
99 100
42 20.0 20.5 30.7#
71 48.1 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.351 ng
RT: 9.159 min Scan# 1042
Delta R.T. 0.371 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion: 70 Resp: 25856
Ion Ratio Lower Upper
70 100
42 47.5 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#

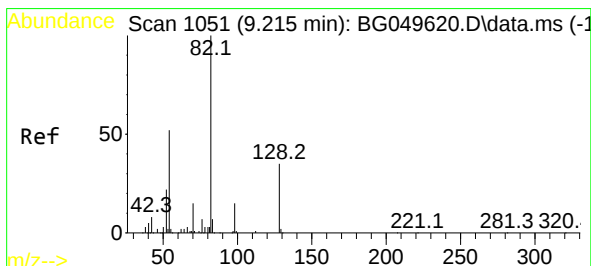
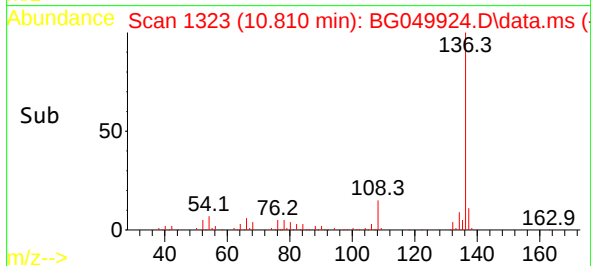
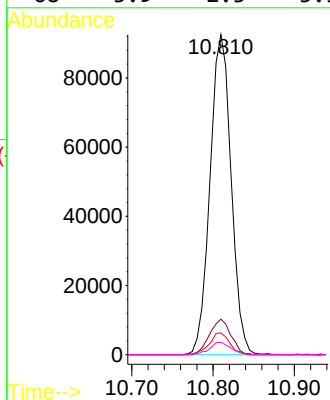
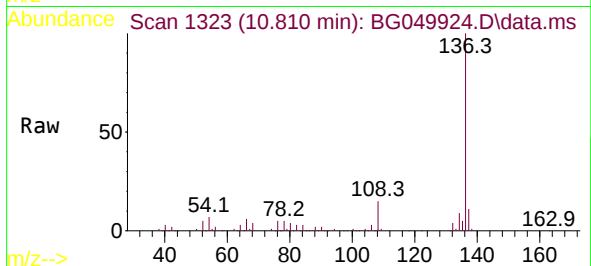




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1323
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

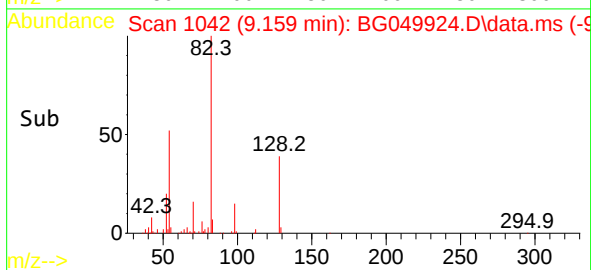
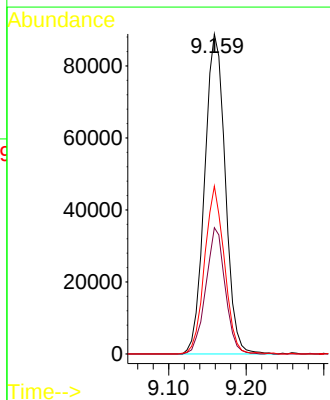
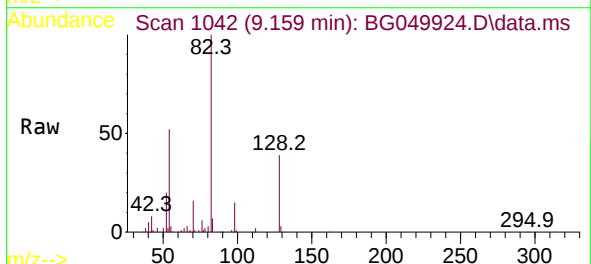
Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

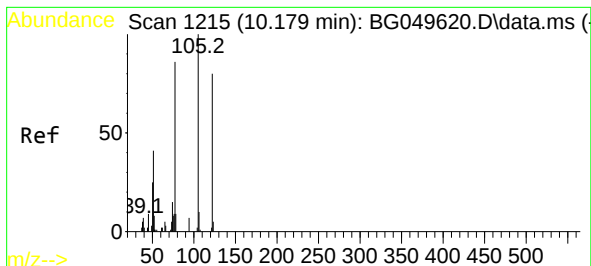
Tgt Ion:	136	Resp:	167079
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.2
54	6.8	5.5	8.3
68	3.9	2.3	3.5



#23
Nitrobenzene-d5
Concen: 43.463 ng
RT: 9.159 min Scan# 1042
Delta R.T. 0.007 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:	82	Resp:	164104
Ion	Ratio	Lower	Upper
82	100		
128	39.4	29.8	44.6
54	52.5	45.8	68.8

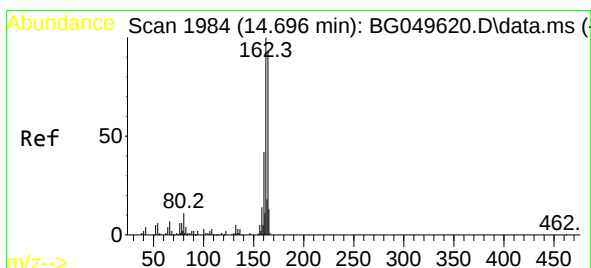
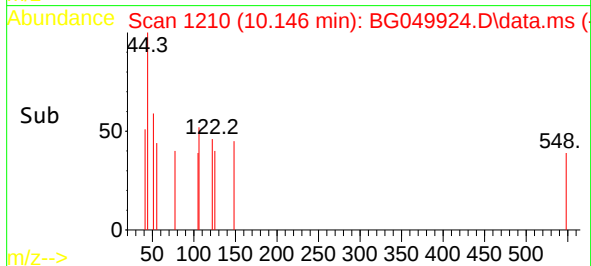
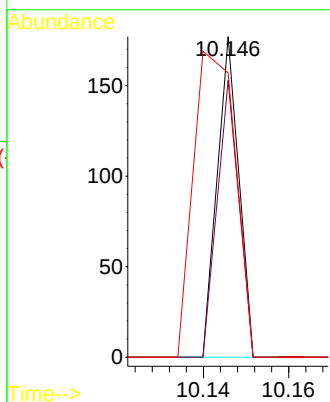
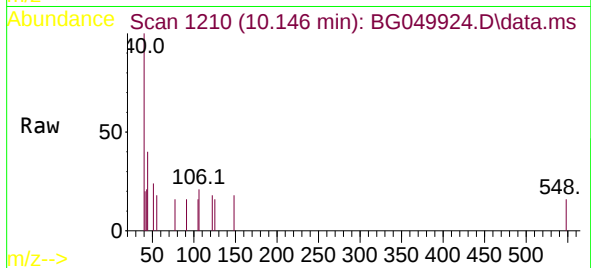




#32
Benzoic acid
Concen: 4.982 ng
RT: 10.146 min Scan# 1210
Delta R.T. 0.024 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

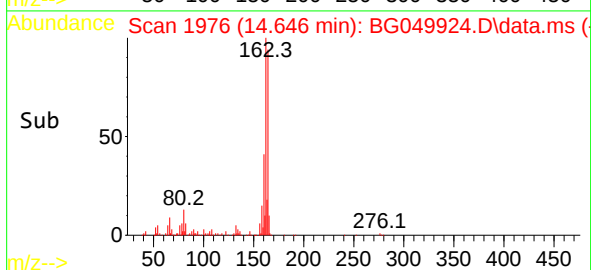
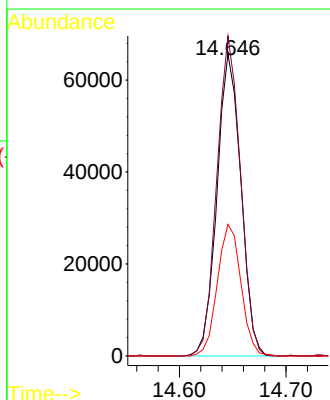
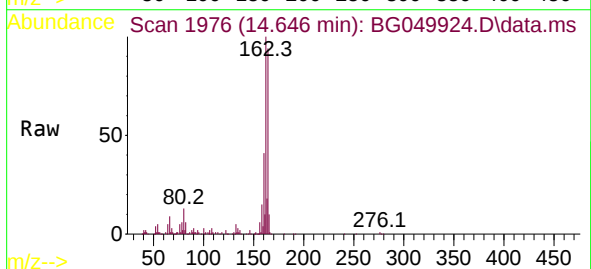
Instrument :
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ClientSampleId :
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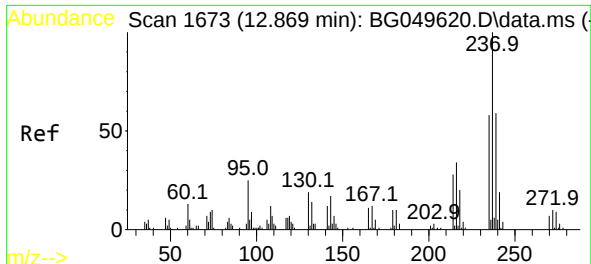
Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 86.4 92.3 132.3#
77 88.7 66.5 106.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.646 min Scan# 1976
Delta R.T. 0.007 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:164 Resp: 102279
Ion Ratio Lower Upper
164 100
162 106.0 81.4 122.0
160 43.5 34.9 52.3

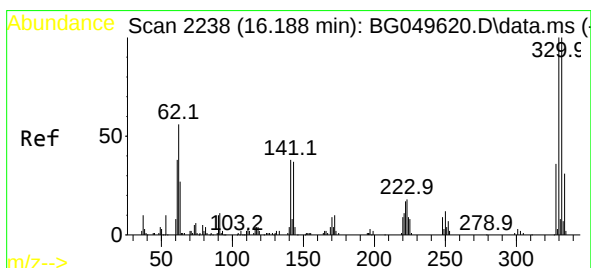
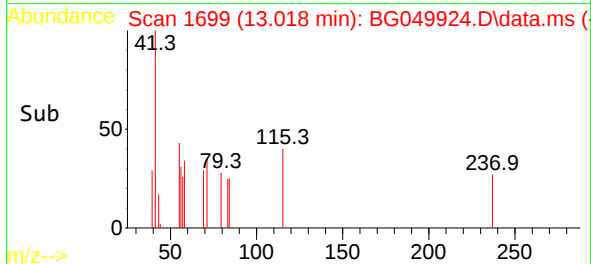
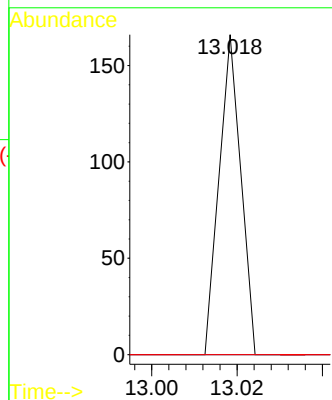
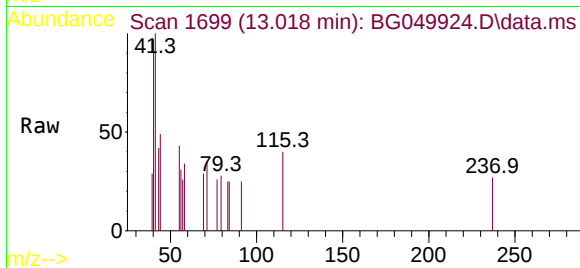




#41
Hexachlorocyclopentadiene
Concen: 3.575 ng
RT: 13.018 min Scan# 1699
Delta R.T. 0.218 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

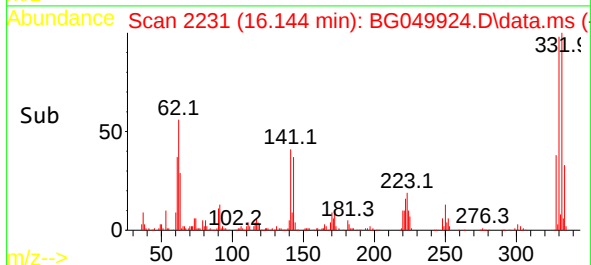
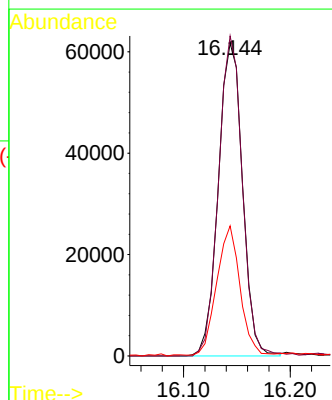
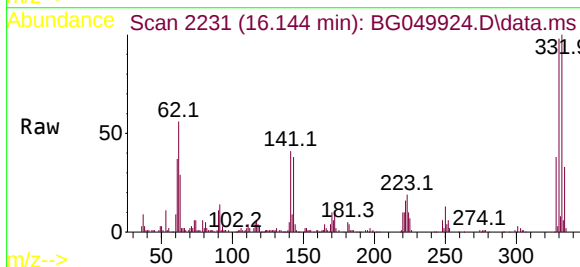
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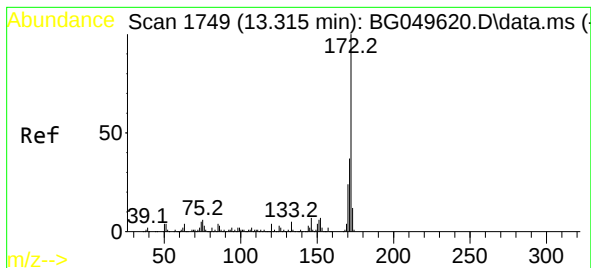
Tgt Ion:	237	Resp:	59
Ion Ratio	Lower	Upper	
237	100		
235	0.0	36.6	76.6#
272	0.0	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 64.618 ng
RT: 16.144 min Scan# 2231
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:	330	Resp:	97144
Ion Ratio	Lower	Upper	
330	100		
332	100.5	77.3	115.9
141	39.3	35.6	53.4

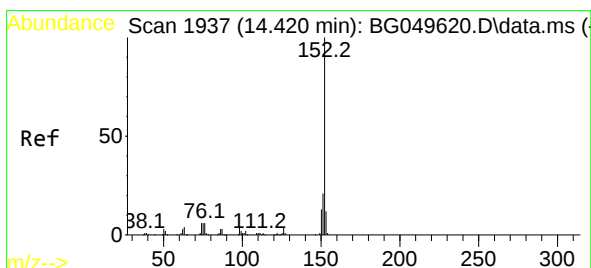
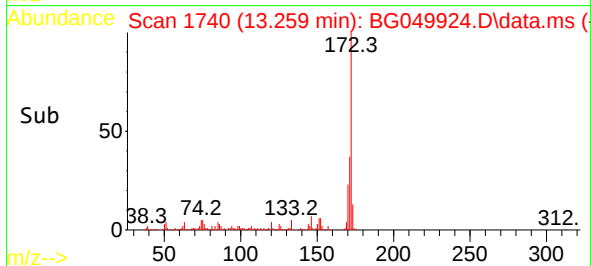
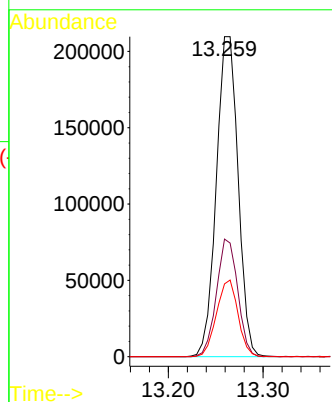
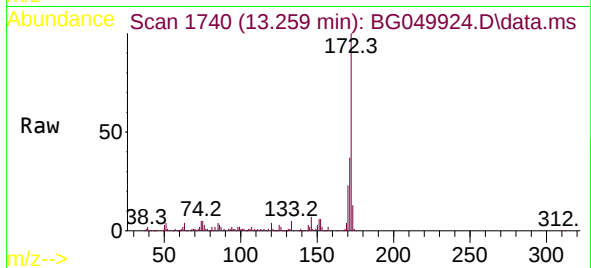




#45
2-Fluorobiphenyl
Concen: 47.649 ng
RT: 13.259 min Scan# 1740
Delta R.T. 0.007 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

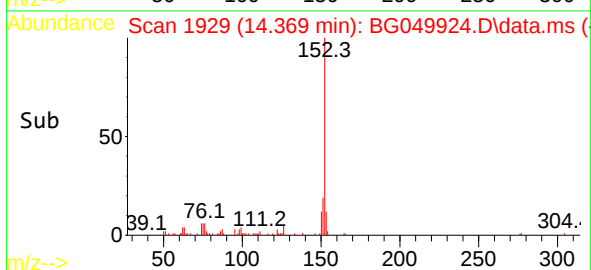
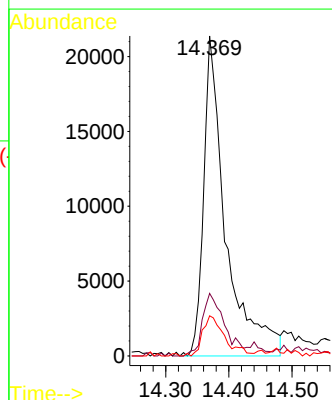
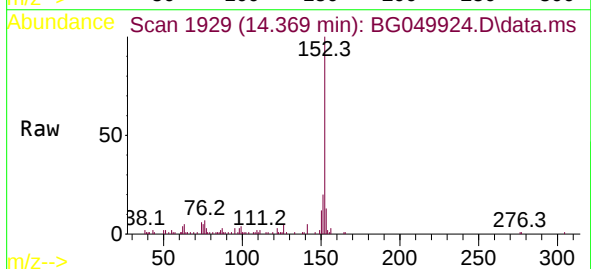
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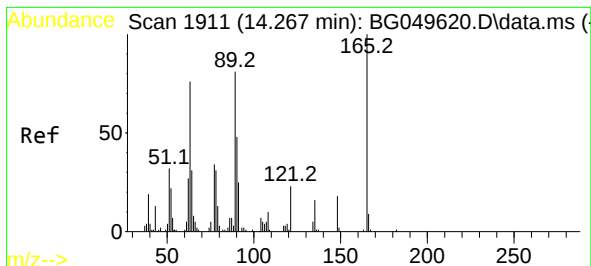
Tgt Ion:	172	Resp:	334927
Ion Ratio	Lower	Upper	
172	100		
171	36.8	28.6	43.0
170	22.8	18.6	27.8



#49
Acenaphthylene
Concen: 5.636 ng
RT: 14.369 min Scan# 1929
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:	152	Resp:	51970
Ion Ratio	Lower	Upper	
152	100		
151	19.6	18.2	27.4
153	12.5	11.7	17.5

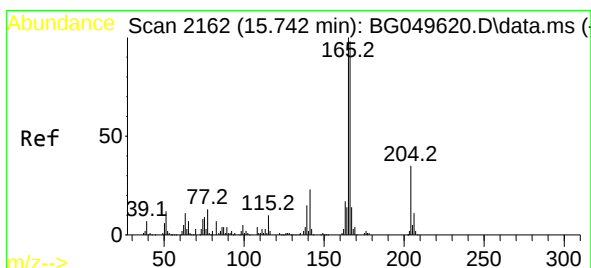
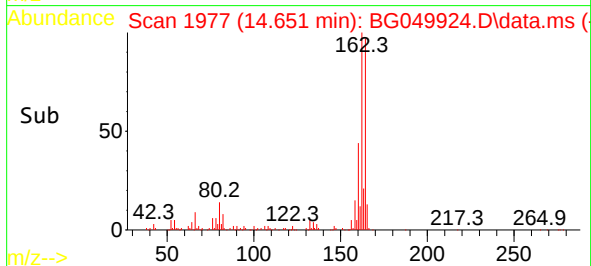
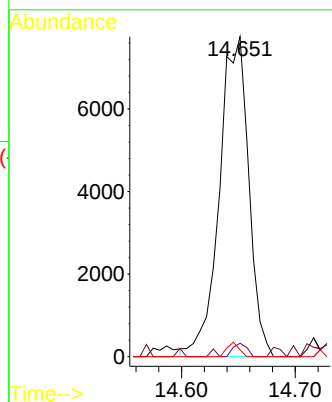
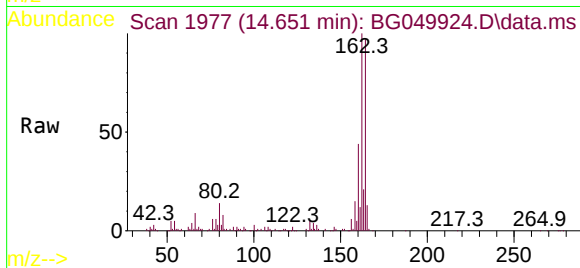




#51
2,6-Dinitrotoluene
Concen: 8.156 ng
RT: 14.651 min Scan# 1977
Delta R.T. 0.442 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

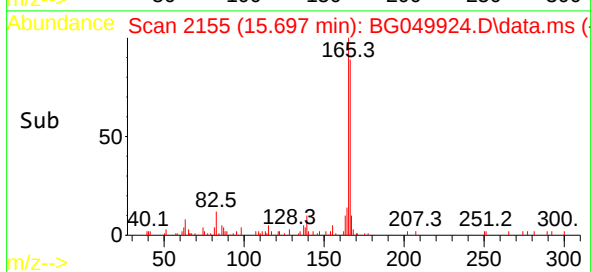
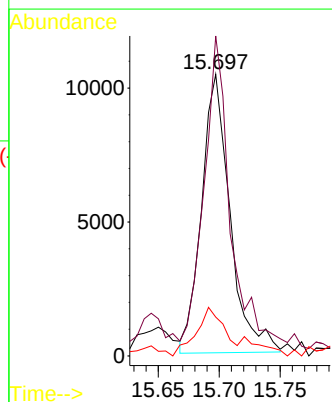
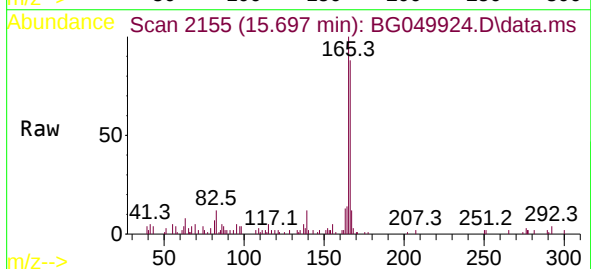
Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

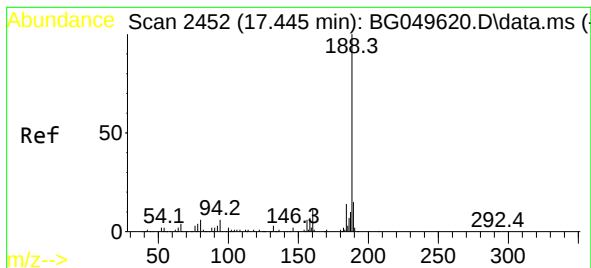
Tgt Ion:165 Resp: 13858
Ion Ratio Lower Upper
165 100
63 4.2 63.3 94.9#
89 2.2 63.4 95.0#



#58
Fluorene
Concen: 2.316 ng
RT: 15.697 min Scan# 2155
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:166 Resp: 16961
Ion Ratio Lower Upper
166 100
165 113.6 77.7 116.5
167 13.8 10.8 16.2

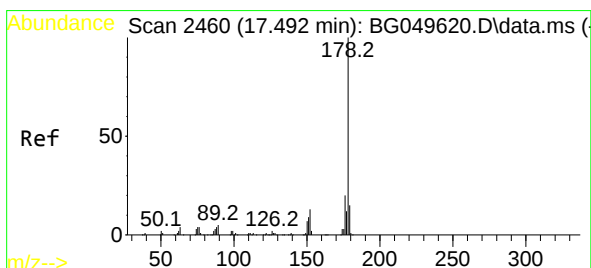
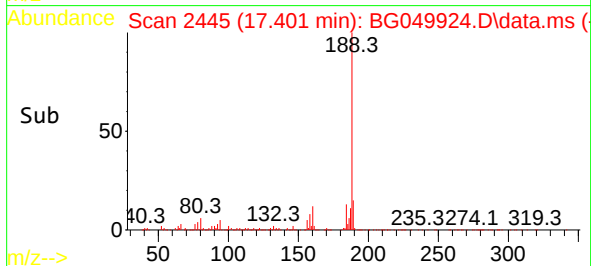
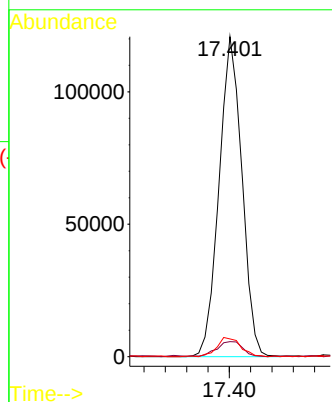
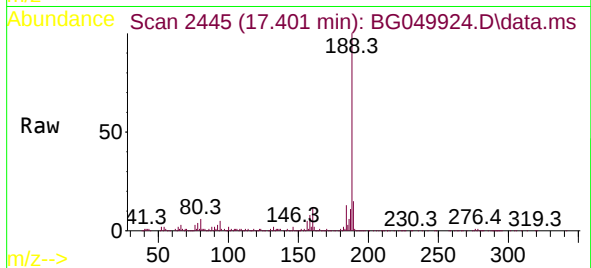




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.401 min Scan# 2445
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

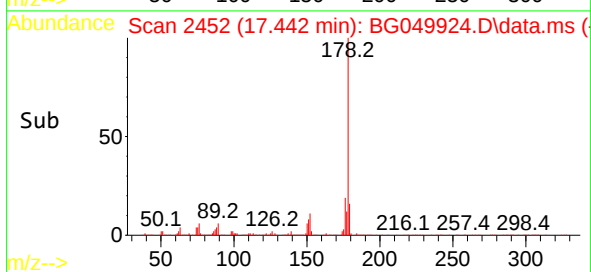
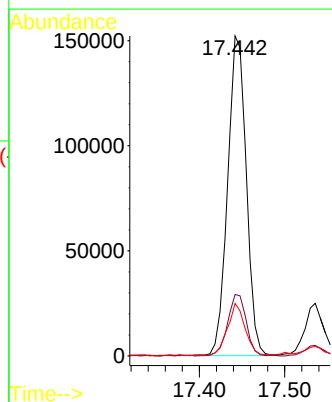
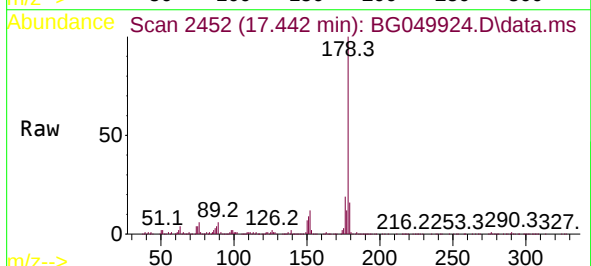
Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

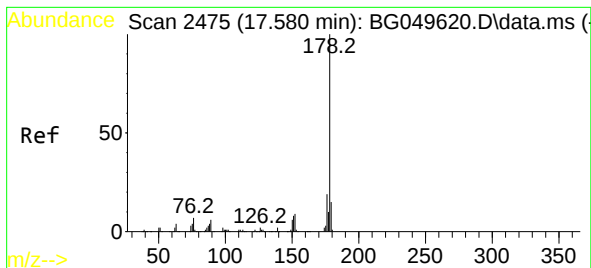
Tgt Ion:188 Resp: 179751
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0#
80 5.5 3.7 5.5#



#71
Phenanthrene
Concen: 24.424 ng
RT: 17.442 min Scan# 2452
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:178 Resp: 230980
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 16.4 14.2 21.4

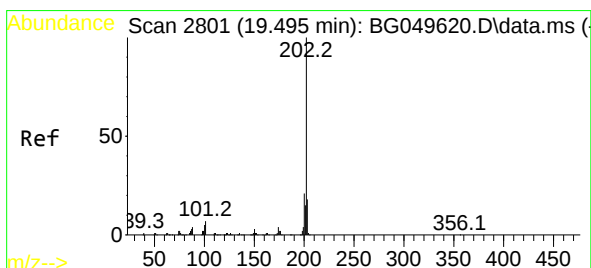
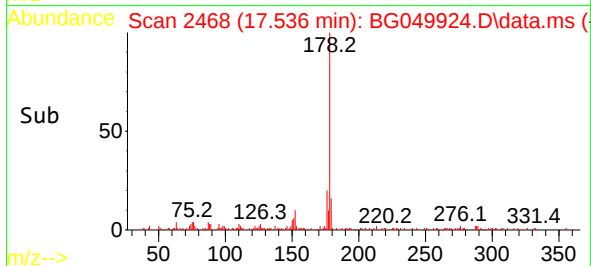
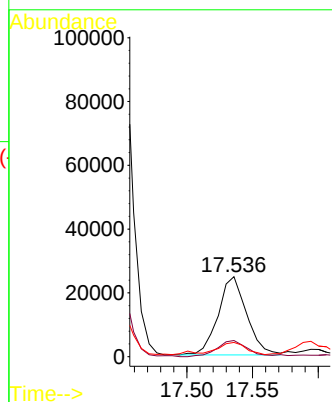
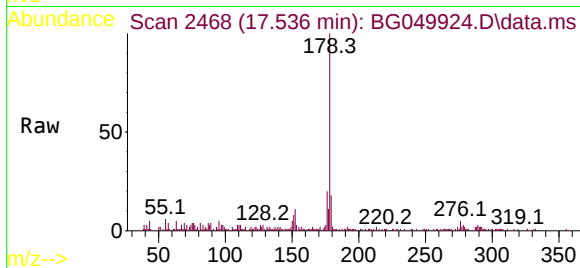




#72
 Anthracene
 Concen: 3.985 ng
 RT: 17.536 min Scan# 2468
 Delta R.T. 0.013 min
 Lab File: BG049924.D
 Acq: 21 Aug 2021 00:56

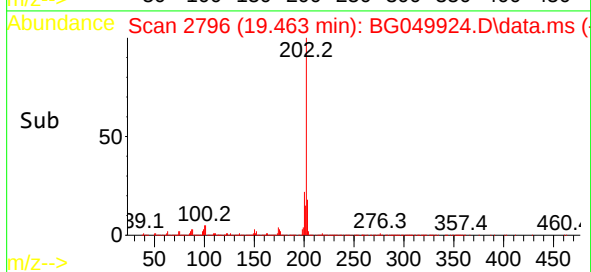
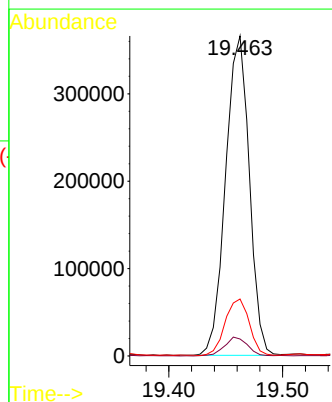
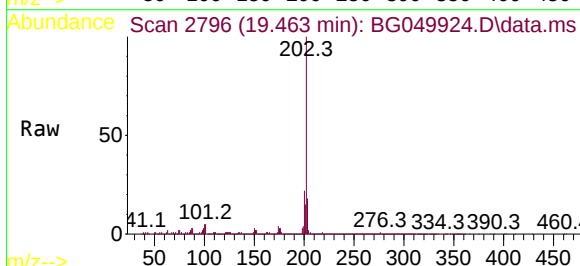
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-15-0205

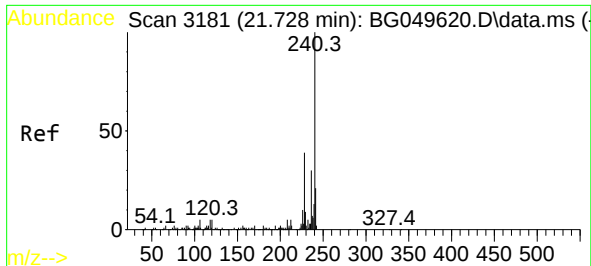
Tgt Ion:178 Resp: 37014
 Ion Ratio Lower Upper
 178 100
 176 20.2 14.6 21.8
 179 17.9 13.4 20.0



#75
 Fluoranthene
 Concen: 45.475 ng
 RT: 19.463 min Scan# 2796
 Delta R.T. 0.019 min
 Lab File: BG049924.D
 Acq: 21 Aug 2021 00:56

Tgt Ion:202 Resp: 529207
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 24.7
 203 17.8 0.0 38.5

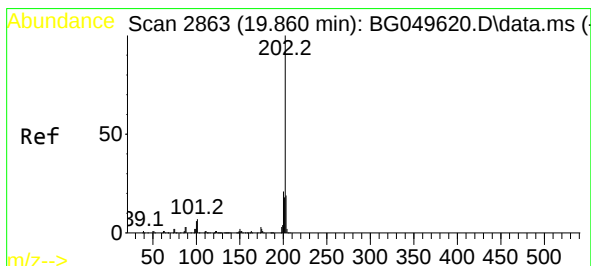
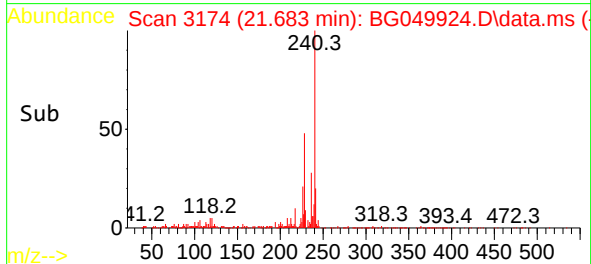
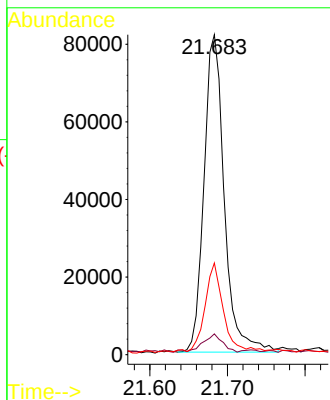
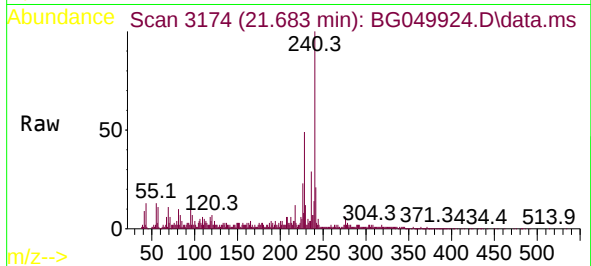




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.683 min Scan# 3174
Delta R.T. 0.024 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

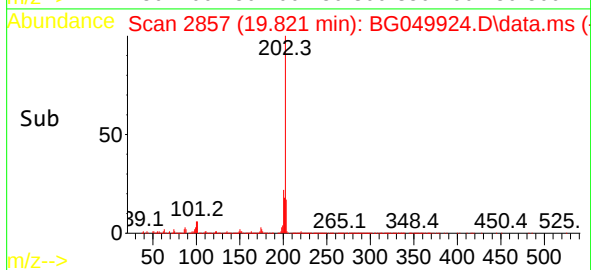
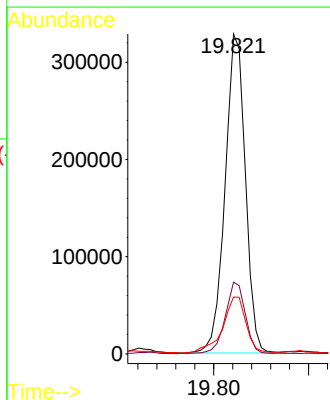
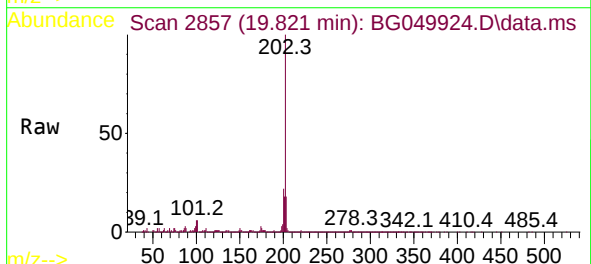
Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

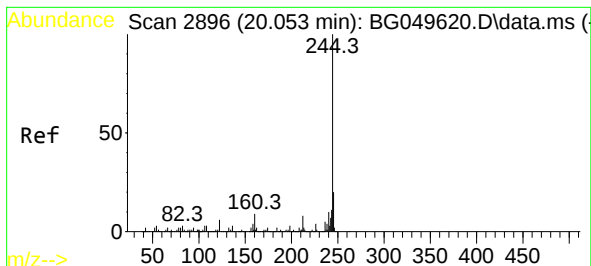
Tgt Ion:240 Resp: 148953
Ion Ratio Lower Upper
240 100
120 6.5 4.2 6.2#
236 28.7 21.8 32.6



#78
Pyrene
Concen: 48.036 ng
RT: 19.821 min Scan# 2857
Delta R.T. 0.019 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:202 Resp: 487794
Ion Ratio Lower Upper
202 100
200 22.4 15.8 23.8
203 17.8 14.6 21.8

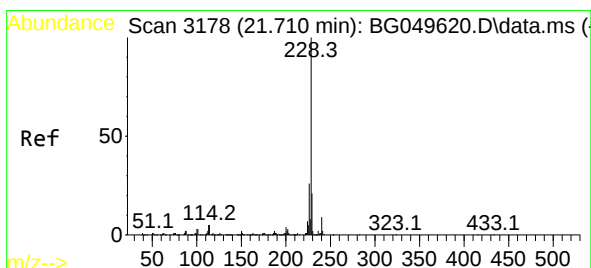
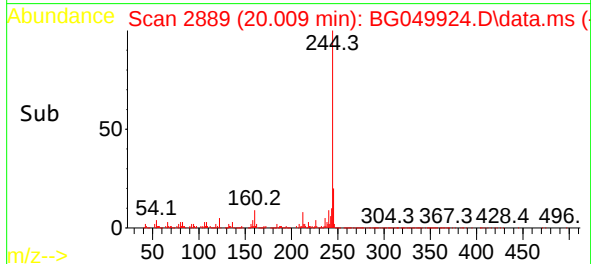
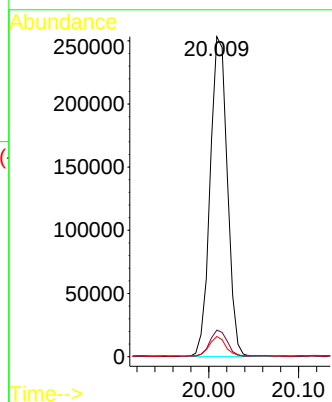
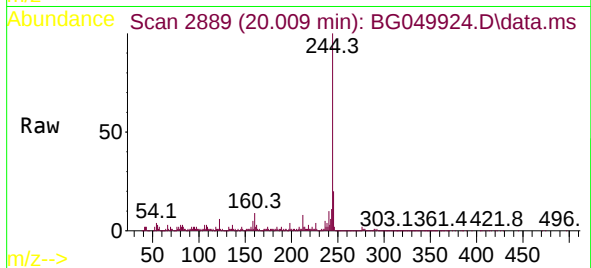




#79
Terphenyl-d14
Concen: 41.043 ng
RT: 20.009 min Scan# 2889
Delta R.T. 0.013 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

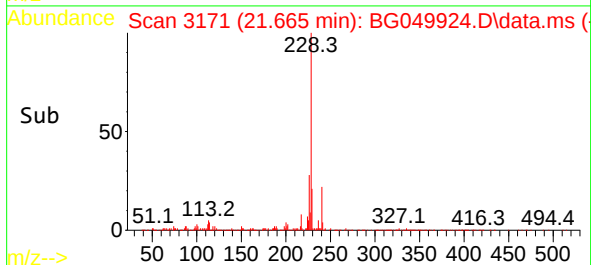
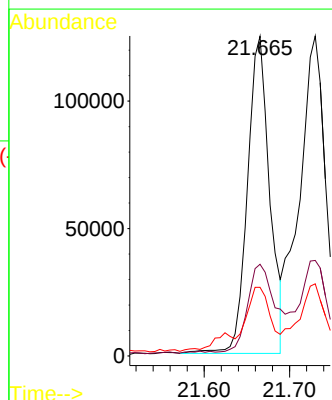
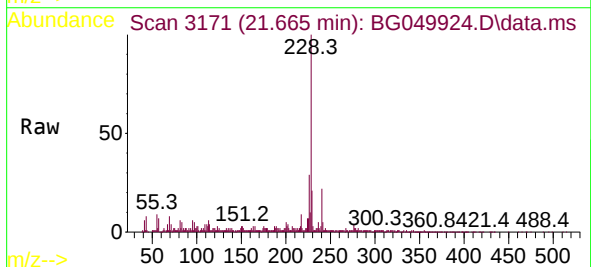
Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

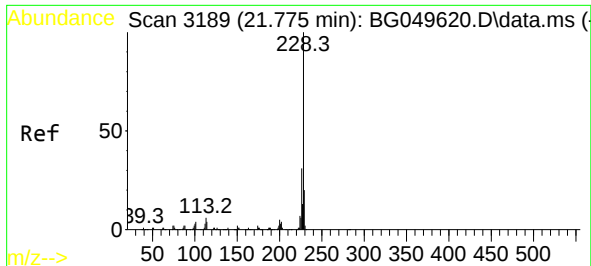
Tgt Ion:244 Resp: 336605
Ion Ratio Lower Upper
244 100
212 8.3 6.9 10.3
122 6.3 5.0 7.6



#81
Benzo(a)anthracene
Concen: 23.238 ng
RT: 21.665 min Scan# 3171
Delta R.T. 0.024 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:228 Resp: 225420
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 21.5 16.0 24.0

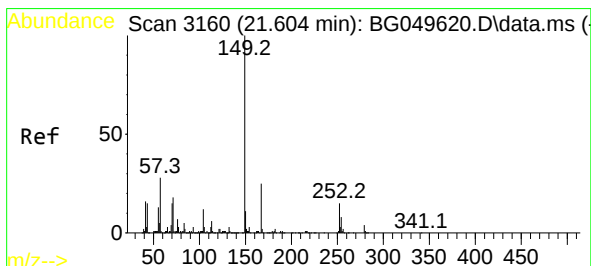
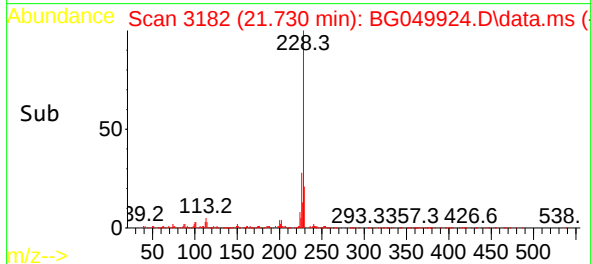
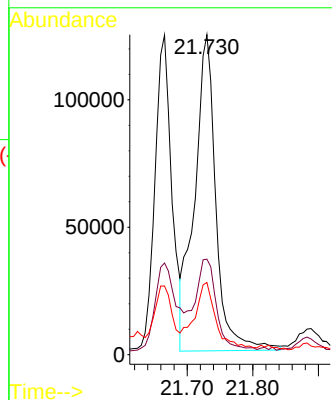
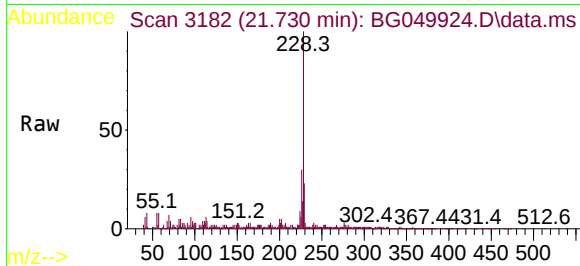




#83
Chrysene
Concen: 30.466 ng
RT: 21.730 min Scan# 3182
Delta R.T. 0.024 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

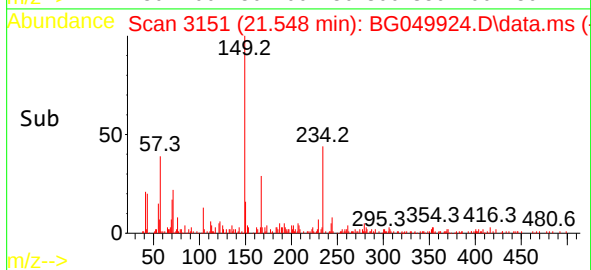
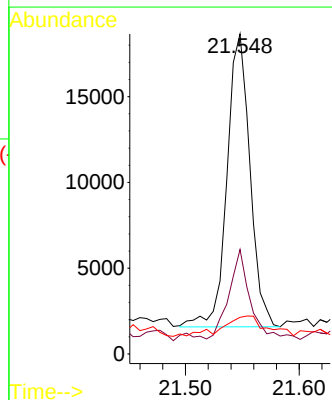
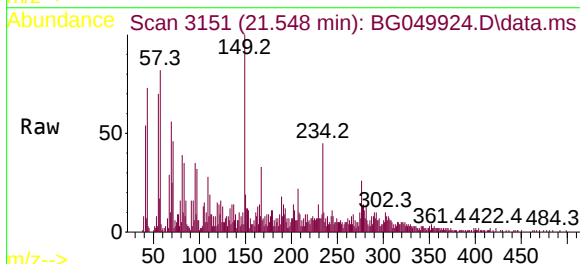
Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

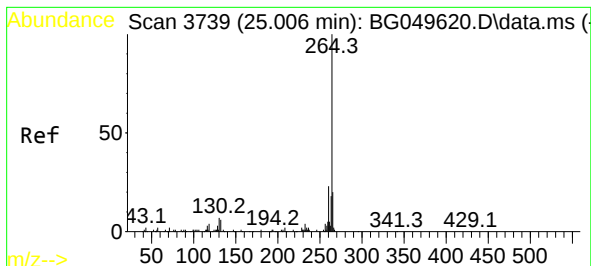
Tgt Ion:228	Resp: 282506
Ion Ratio	Lower Upper
228 100	
226 29.8	23.1 34.7
229 22.6	15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.380 ng
RT: 21.548 min Scan# 3151
Delta R.T. 0.019 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:149	Resp: 23977
Ion Ratio	Lower Upper
149 100	
167 32.6	22.3 33.5
279 11.4	3.8 5.8#

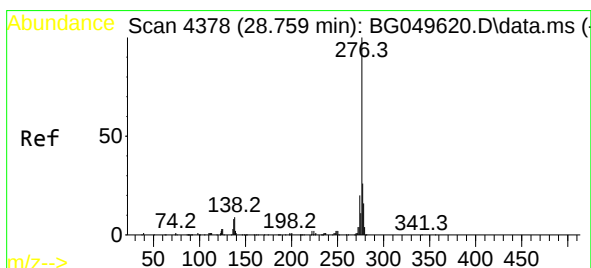
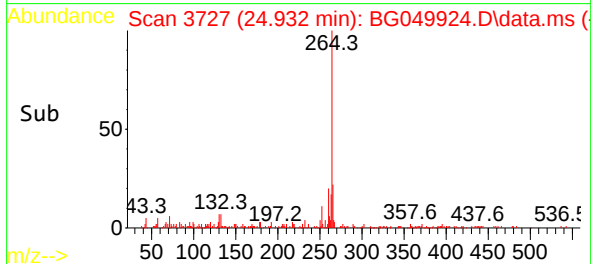
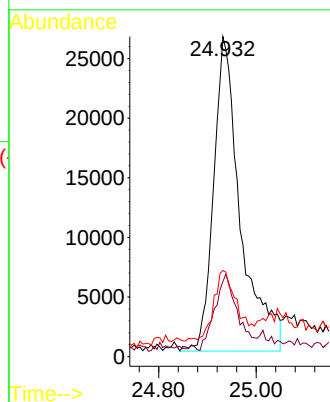
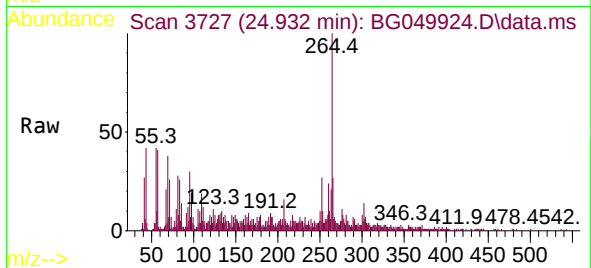




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.932 min Scan# 3727
 Delta R.T. 0.048 min
 Lab File: BG049924.D
 Acq: 21 Aug 2021 00:56

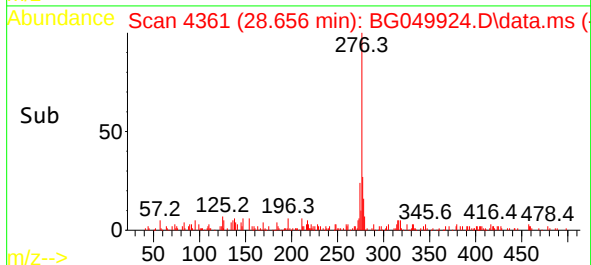
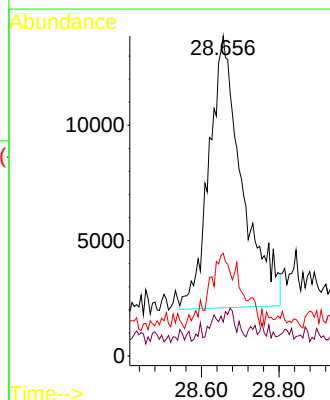
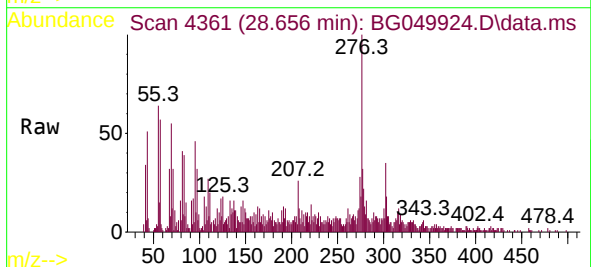
Instrument :
 BNA_G
 ClientSampleID :
 SWCS-15-0205

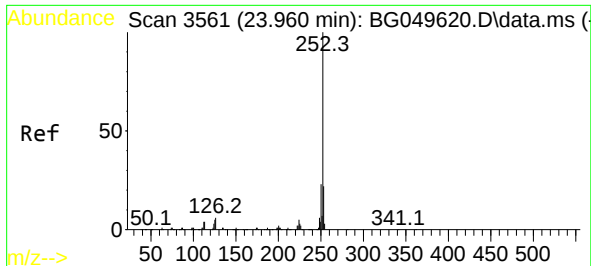
Tgt Ion:264 Resp: 101218
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 26.9 16.9 25.3#



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.548 ng
 RT: 28.656 min Scan# 4361
 Delta R.T. 0.077 min
 Lab File: BG049924.D
 Acq: 21 Aug 2021 00:56

Tgt Ion:276 Resp: 69699
 Ion Ratio Lower Upper
 276 100
 138 2.6 5.1 7.7#
 277 18.1 19.8 29.6#

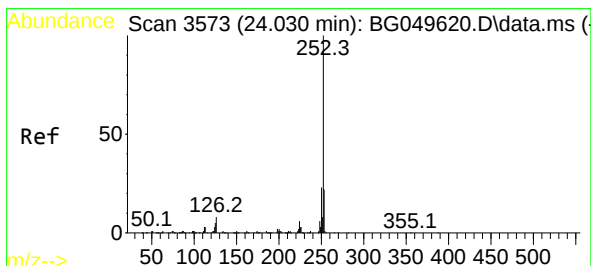
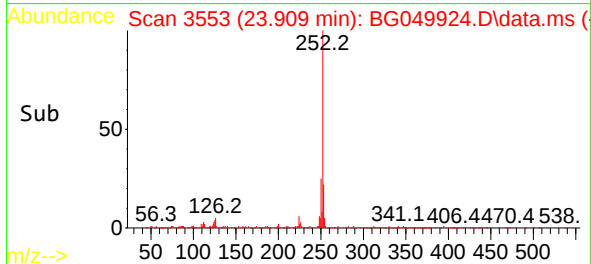
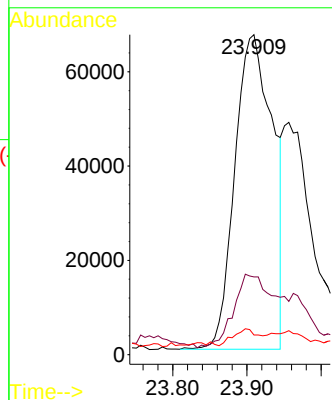
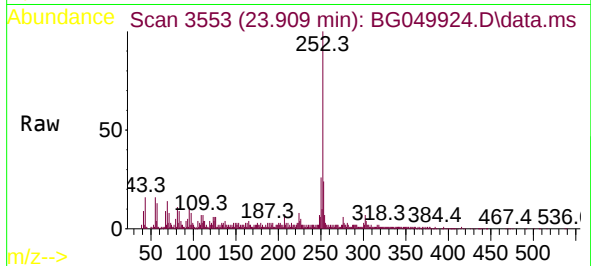




#88
Benzo(b)fluoranthene
Concen: 35.846 ng
RT: 23.909 min Scan# 3553
Delta R.T. 0.048 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

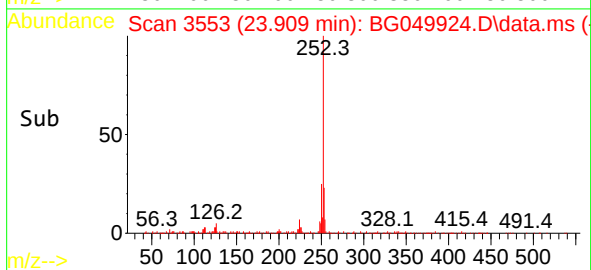
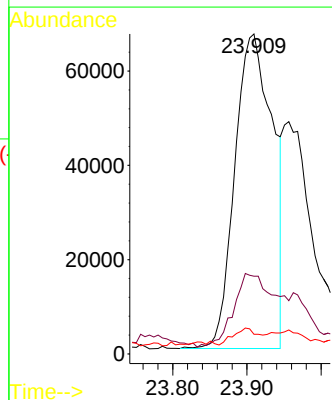
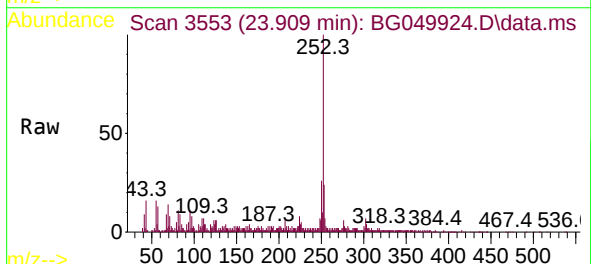
Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

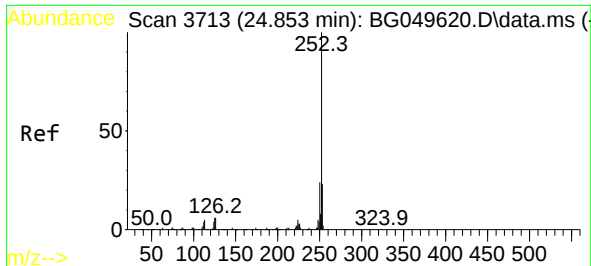
Tgt Ion:252 Resp: 237959
Ion Ratio Lower Upper
252 100
253 24.3 16.2 24.4
125 6.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 38.429 ng
RT: 23.909 min Scan# 3553
Delta R.T. -0.017 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:252 Resp: 237959
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 6.2 3.1 4.7#

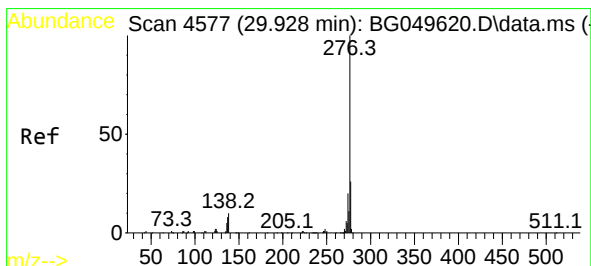
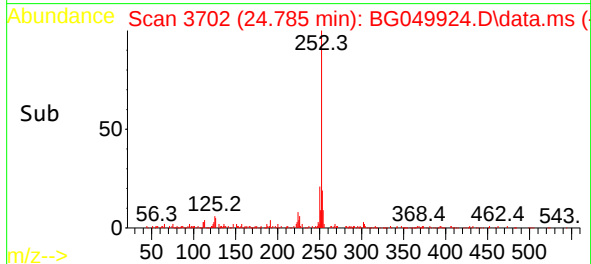
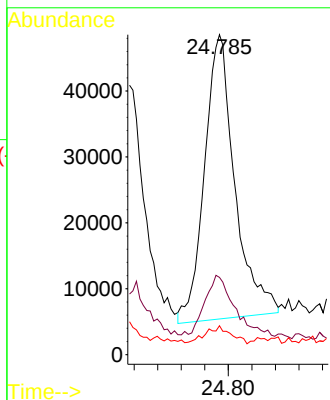
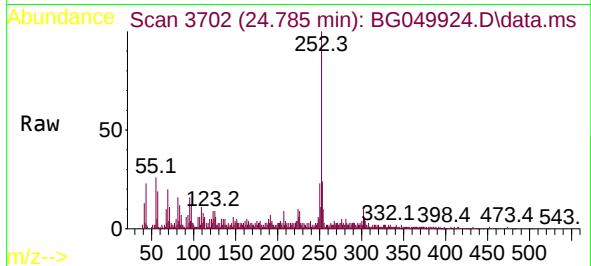




#90
Benzo(a)pyrene
Concen: 25.670 ng
RT: 24.785 min Scan# 3702
Delta R.T. 0.048 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Instrument :
BNA_G
ClientSampleId :
SWCS-15-0205

Tgt Ion:252 Resp: 154219
Ion Ratio Lower Upper
252 100
253 24.1 16.6 25.0
125 9.1 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 10.696 ng
RT: 29.807 min Scan# 4557
Delta R.T. 0.071 min
Lab File: BG049924.D
Acq: 21 Aug 2021 00:56

Tgt Ion:276 Resp: 64458
Ion Ratio Lower Upper
276 100
277 31.6 18.4 27.6#
138 12.3 7.0 10.6#

