

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062622\
 Data File : BG054086.D
 Acq On : 26 Jun 2022 23:47
 Operator : CG/JU
 Sample : N3454-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-15-1-2

Quant Time: Jun 27 00:34:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

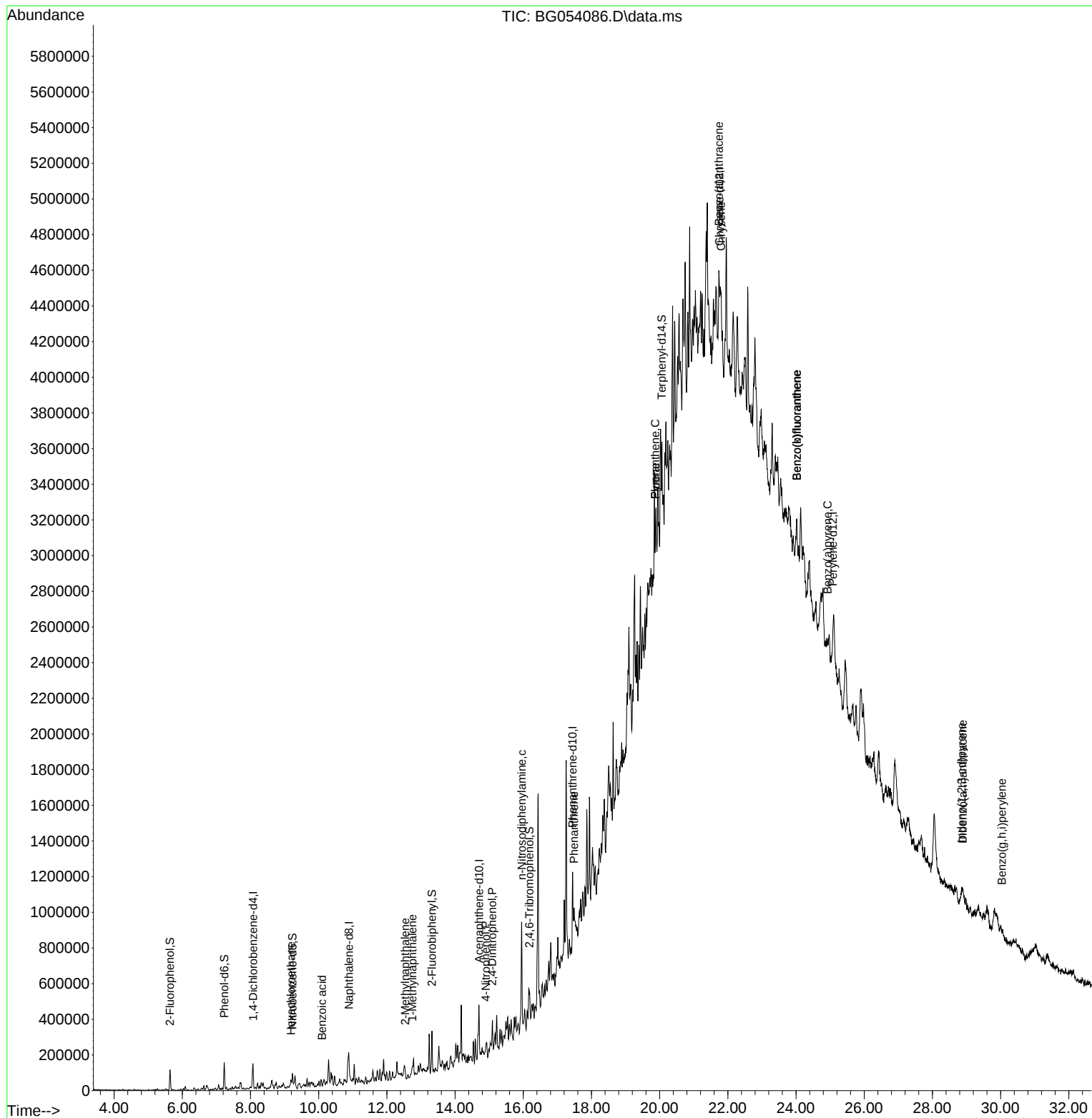
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	37216	20.000	ng	0.00
21) Naphthalene-d8	10.885	136	143131	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	92313	20.000	ng	0.00
64) Phenanthrene-d10	17.447	188	186593	20.000	ng	# 0.00
76) Chrysene-d12	21.754	240	179857	20.000	ng	# 0.04
86) Perylene-d12	25.080	264	189317	20.000	ng	# 0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	54294	27.893	ng	0.00
7) Phenol-d6	7.230	99	73967	28.011	ng	0.00
23) Nitrobenzene-d5	9.234	82	50535	19.841	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	33142	22.345	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	129771	20.442	ng	0.00
79) Terphenyl-d14	20.062	244	186776	20.916	ng	0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	9.187	117	2626	3.026	ng	# 1
32) Benzoic acid	10.097	122	375	11.652	ng	# 1
37) 2-Methylnaphthalene	12.536	142	14004	2.620	ng	95
38) 1-Methylnaphthalene	12.753	142	24700	4.745	ng	# 99
54) 2,4-Dinitrophenol	15.086	184	237	7.326	ng	# 1
56) 4-Nitrophenol	14.903	139	3888	3.979	ng	# 42
66) n-Nitrosodiphenylamine	15.955	169	24784	5.096	ng	# 46
71) Phenanthrene	17.489	178	108332	11.300	ng	# 87
75) Fluoranthene	19.868	202	152081	12.085	ng	73
78) Pyrene	19.868	202	152081	14.000	ng	# 83
81) Benzo(a)anthracene	21.737	228	152610	13.105	ng	# 60
83) Chrysene	21.801	228	281832	25.389	ng	# 69
87) Indeno(1,2,3-cd)pyrene	28.858	276	48164	3.371	ng	# 67
88) Benzo(b)fluoranthene	24.028	252	102414	8.897	ng	# 13
89) Benzo(k)fluoranthene	24.028	252	102414	8.986	ng	# 14
90) Benzo(a)pyrene	24.927	252	115338	11.876	ng	# 44
91) Dibenzo(a,h)anthracene	28.887	278	58011	4.910	ng	# 32
92) Benzo(g,h,i)perylene	30.039	276	97581	8.370	ng	# 77

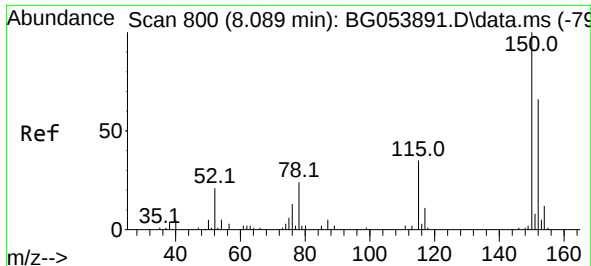
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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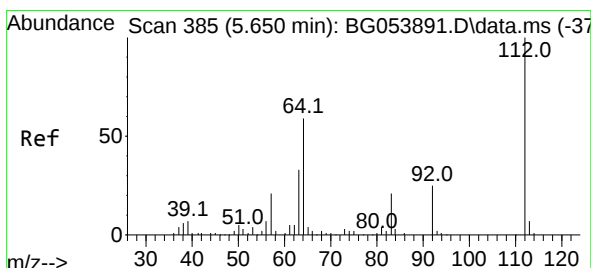
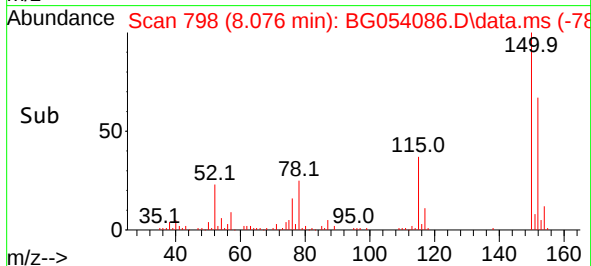
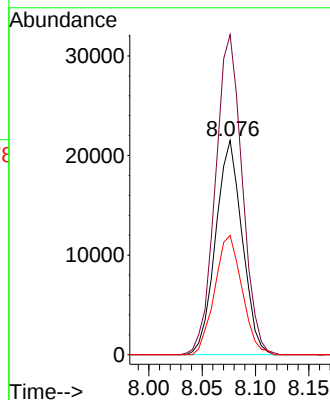
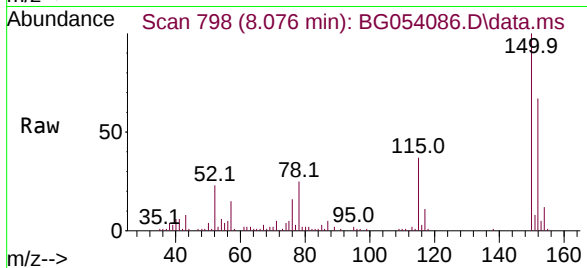




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

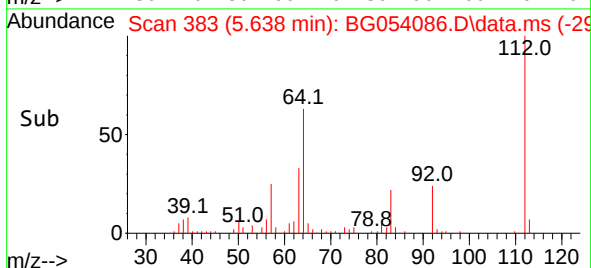
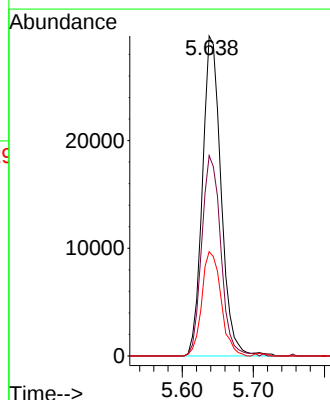
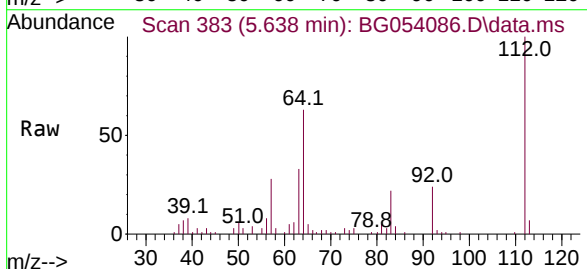
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

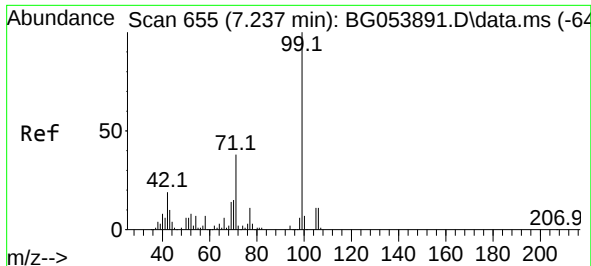
Tgt Ion:152 Resp: 37216
Ion Ratio Lower Upper
152 100
150 149.4 131.6 197.4
115 55.7 50.9 76.3



#5
2-Fluorophenol
Concen: 27.893 ng
RT: 5.638 min Scan# 383
Delta R.T. -0.000 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:112 Resp: 54294
Ion Ratio Lower Upper
112 100
64 62.6 55.1 82.7
63 32.6 30.4 45.6

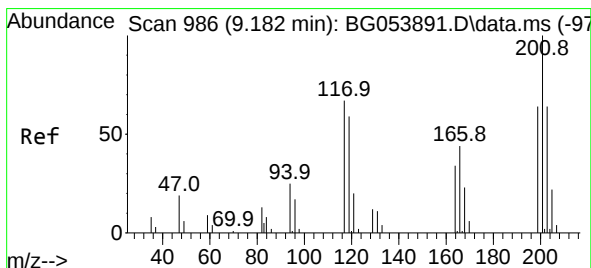
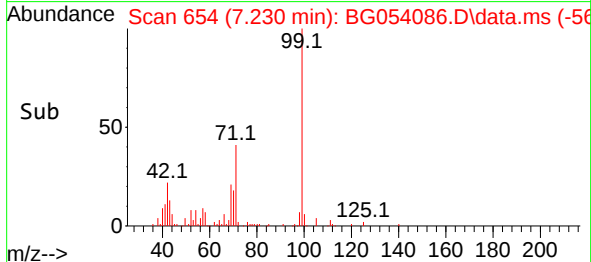
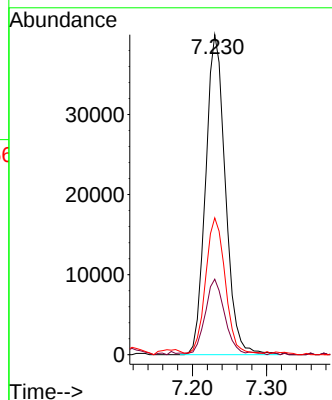
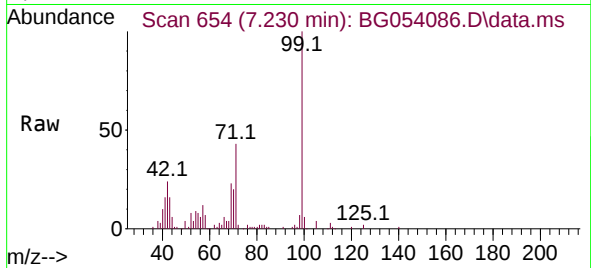




#7
Phenol-d6
Concen: 28.011 ng
RT: 7.230 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

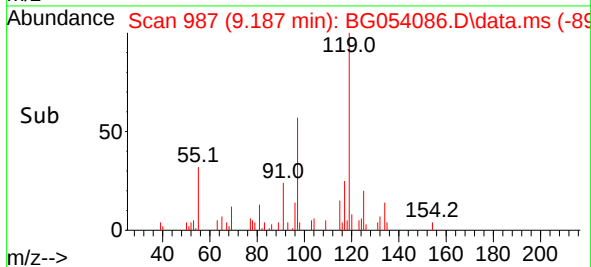
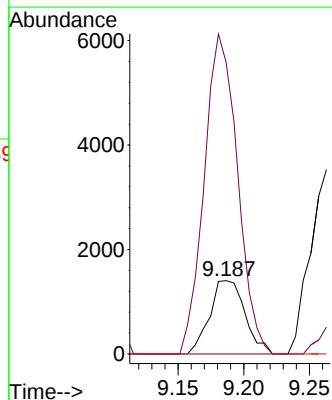
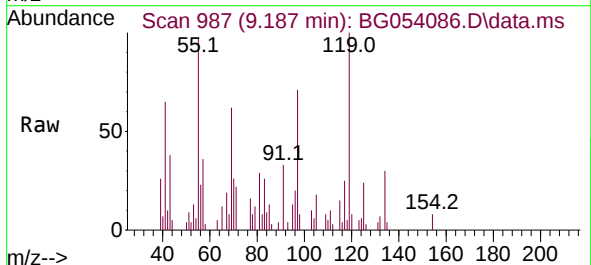
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

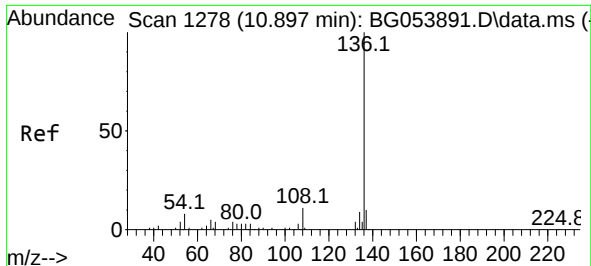
Tgt Ion: 99 Resp: 73967
Ion Ratio Lower Upper
99 100
42 23.6 17.0 25.6
71 42.7 33.8 50.8



#18
Hexachloroethane
Concen: 3.026 ng
RT: 9.187 min Scan# 987
Delta R.T. 0.023 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion: 117 Resp: 2626
Ion Ratio Lower Upper
117 100
119 398.1 75.0 112.6#
201 0.0 89.0 133.6#

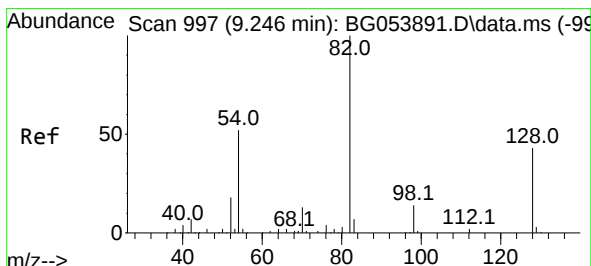
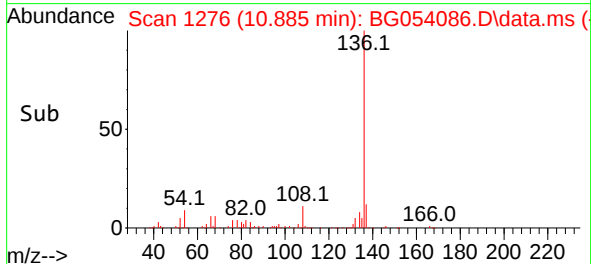
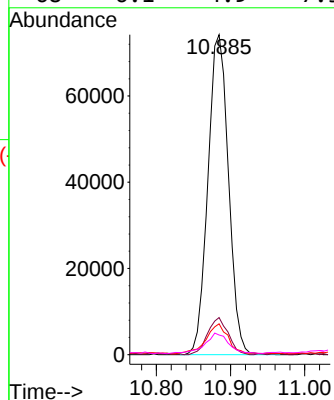
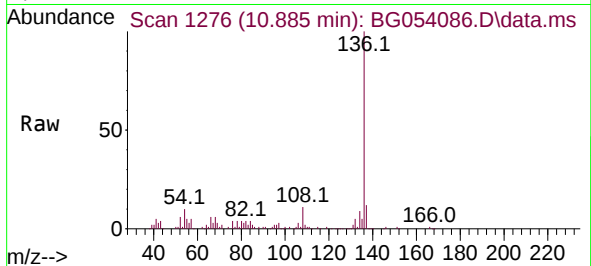




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.885 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

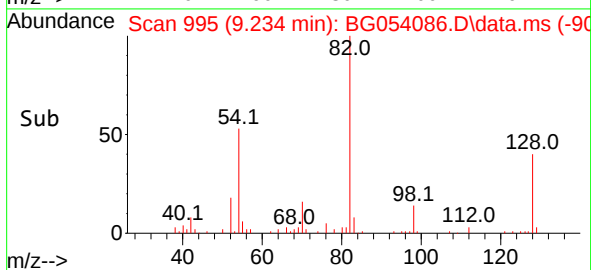
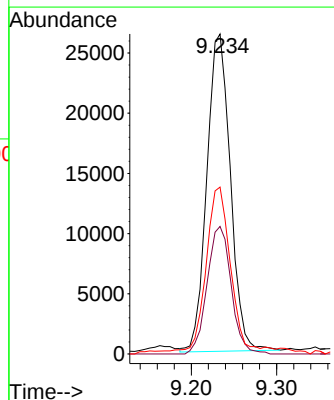
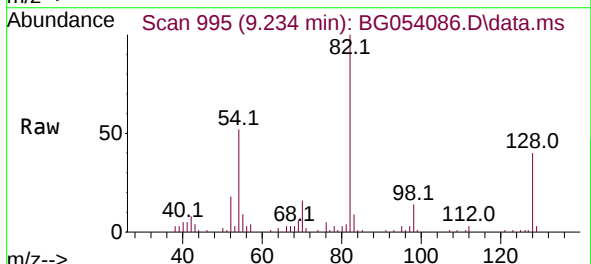
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

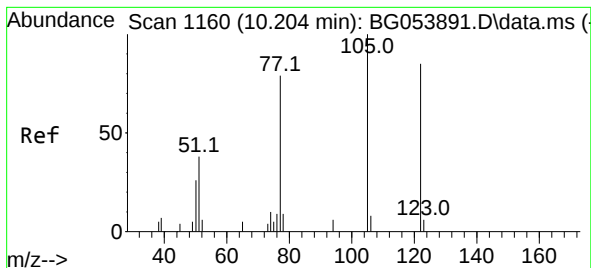
Tgt Ion:	136	Resp:	143131
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.5	12.7
54	9.7	7.4	11.2
68	6.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 19.841 ng
RT: 9.234 min Scan# 995
Delta R.T. -0.000 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:	82	Resp:	50535
Ion Ratio	Lower	Upper	
82	100		
128	39.8	27.9	41.9
54	52.2	41.2	61.8





#32

Benzoic acid

Concen: 11.652 ng

RT: 10.097 min Scan# 1142

Delta R.T. -0.100 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

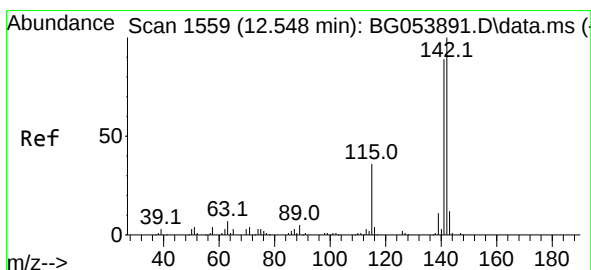
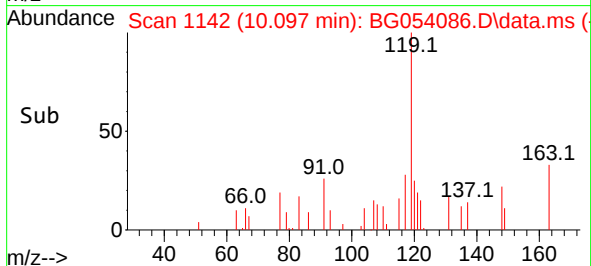
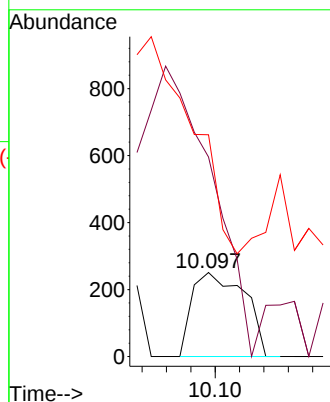
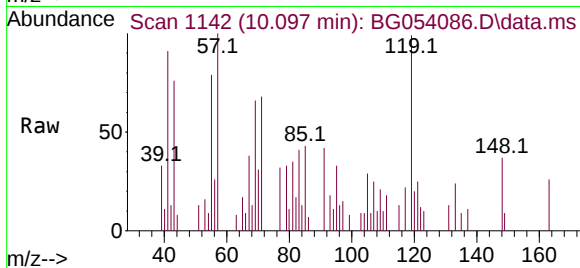
Tgt Ion:122 Resp: 375

Ion Ratio Lower Upper

122 100

105 237.5 111.8 151.8#

77 263.7 109.4 149.4#



#37

2-Methylnaphthalene

Concen: 2.620 ng

RT: 12.536 min Scan# 1557

Delta R.T. 0.006 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

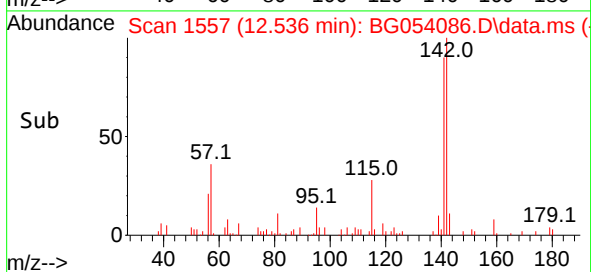
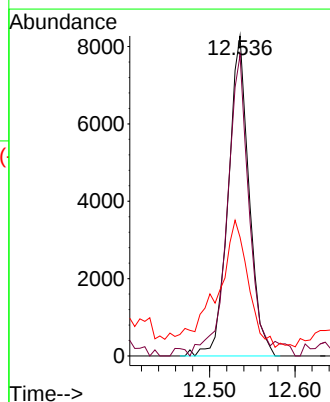
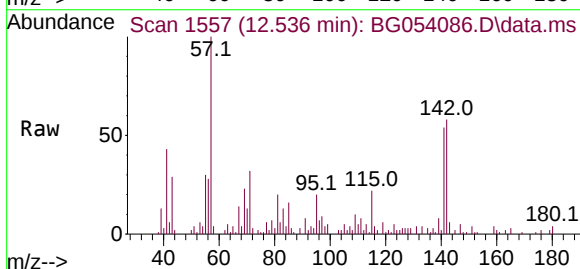
Tgt Ion:142 Resp: 14004

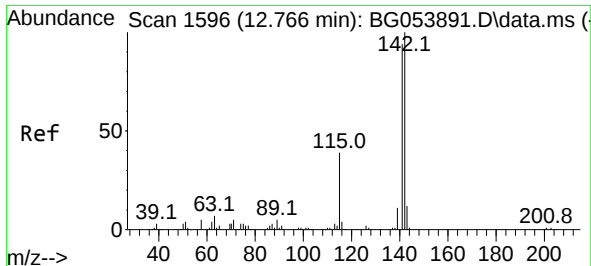
Ion Ratio Lower Upper

142 100

141 94.0 72.3 108.5

115 37.1 33.7 50.5

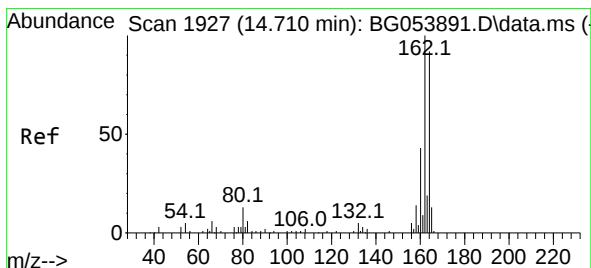
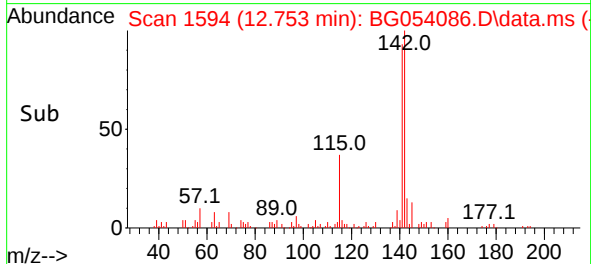
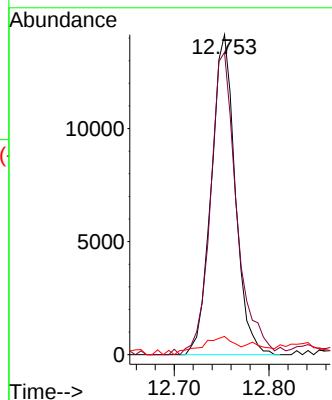
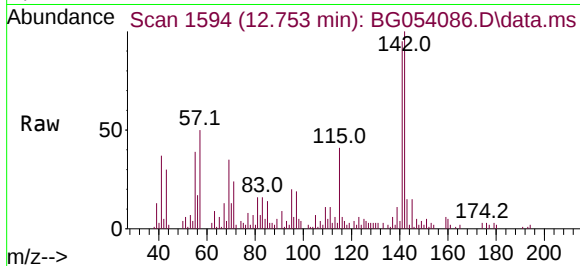




#38
1-Methylnaphthalene
Concen: 4.745 ng
RT: 12.753 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

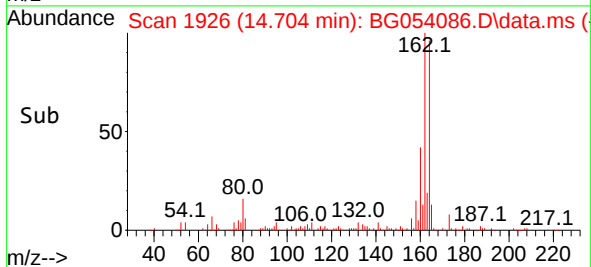
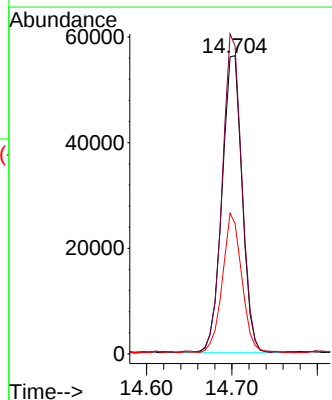
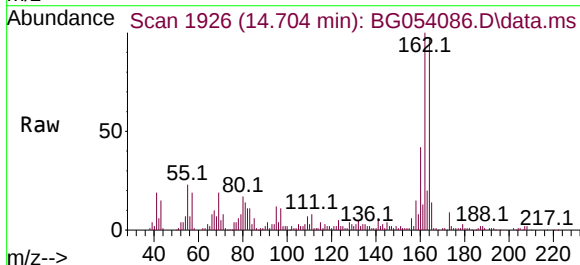
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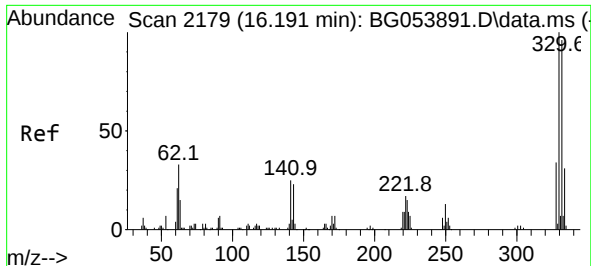
Tgt Ion:142 Resp: 24700
Ion Ratio Lower Upper
142 100
141 94.5 76.4 114.6
116 5.7 3.3 4.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1926
Delta R.T. 0.006 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:164 Resp: 92313
Ion Ratio Lower Upper
164 100
162 103.3 82.3 123.5
160 43.6 34.2 51.2

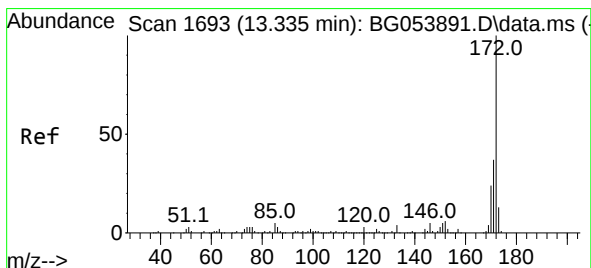
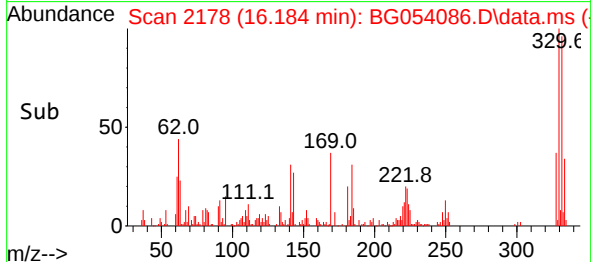
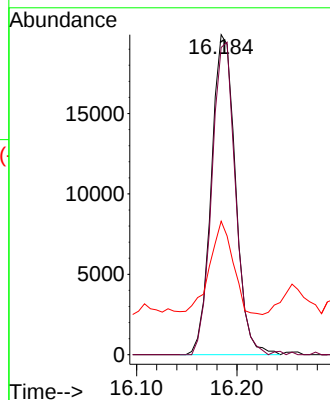
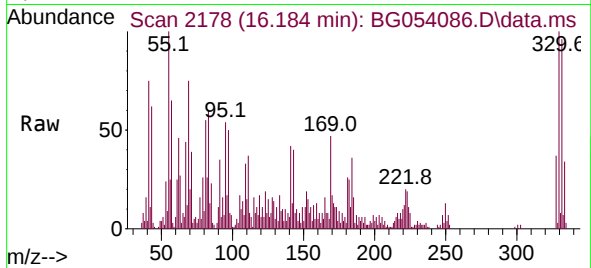




#42
2,4,6-Tribromophenol
Concen: 22.345 ng
RT: 16.184 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

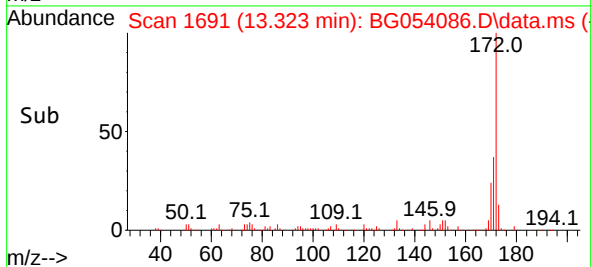
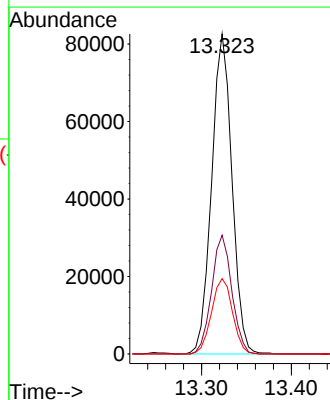
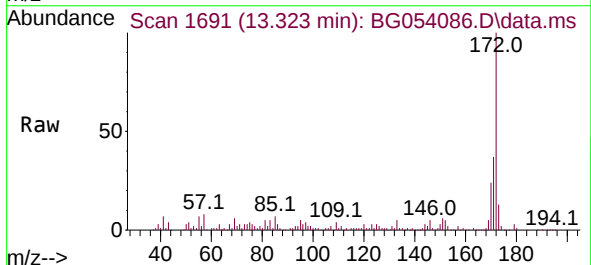
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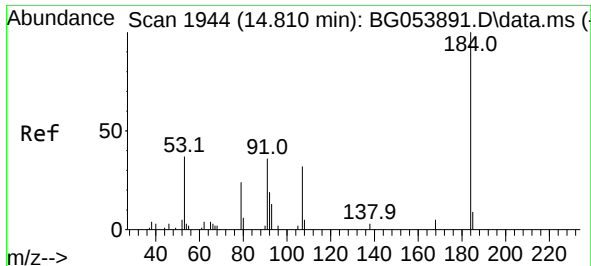
Tgt Ion:330 Resp: 33142
Ion Ratio Lower Upper
330 100
332 95.6 76.0 114.0
141 28.9 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 20.442 ng
RT: 13.323 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:172 Resp: 129771
Ion Ratio Lower Upper
172 100
171 37.1 28.5 42.7
170 23.5 18.9 28.3

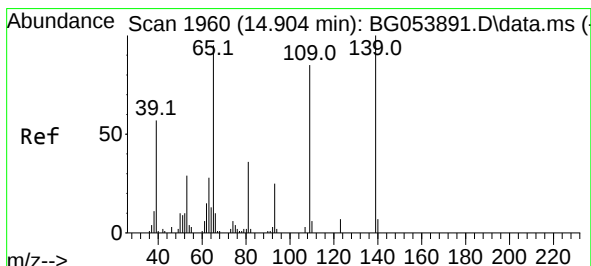
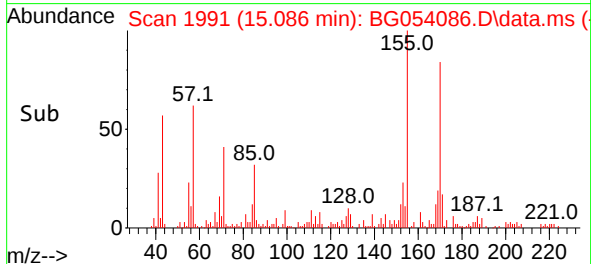
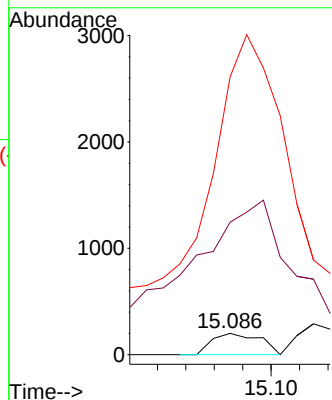
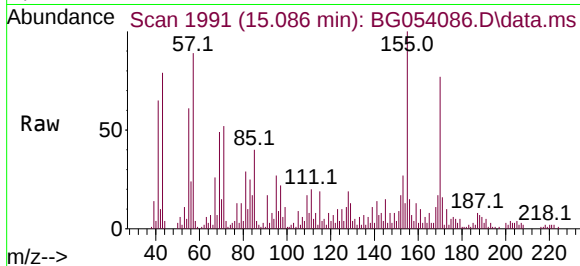




#54
2,4-Dinitrophenol
Concen: 7.326 ng
RT: 15.086 min Scan# 1991
Delta R.T. 0.282 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

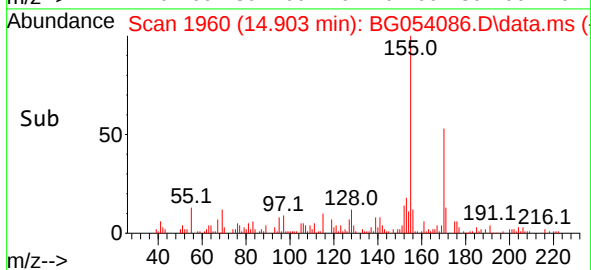
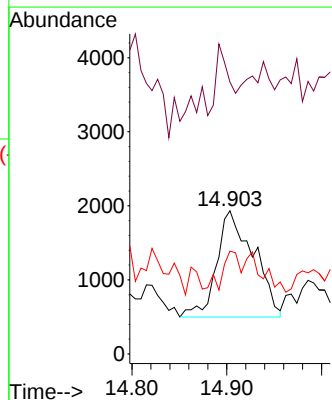
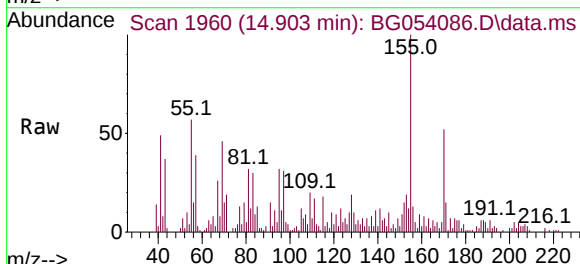
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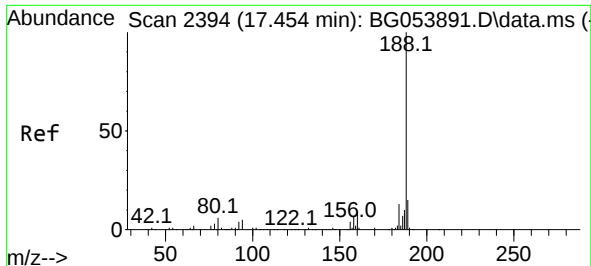
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Ion Ratio Lower Upper
184 100
63 619.9 61.1 91.7#
154 1299.5 60.6 91.0#



#56
4-Nitrophenol
Concen: 3.979 ng
RT: 14.903 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:139 Resp: 3888
Ion Ratio Lower Upper
139 100
109 189.9 88.5 128.5#
65 71.8 93.9 133.9#

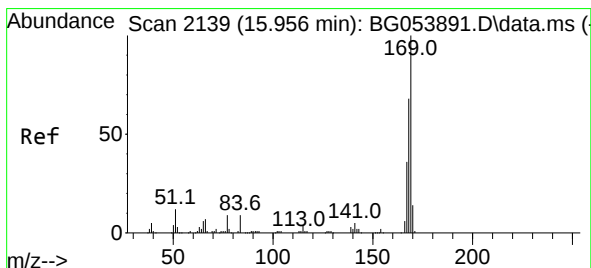
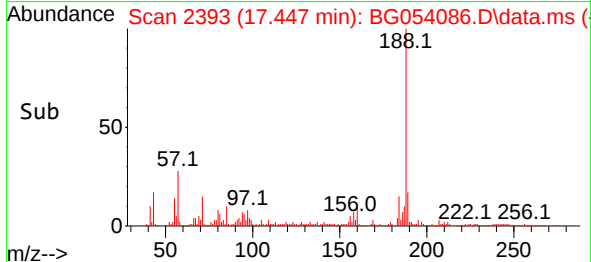
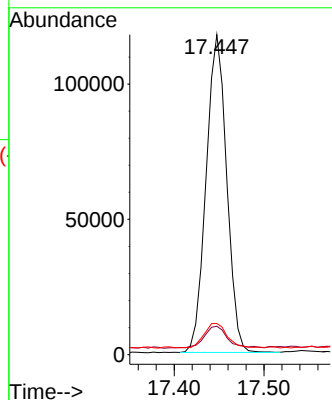
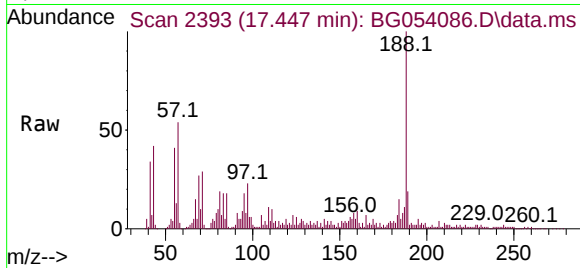




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.447 min Scan# 2139
Delta R.T. 0.006 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

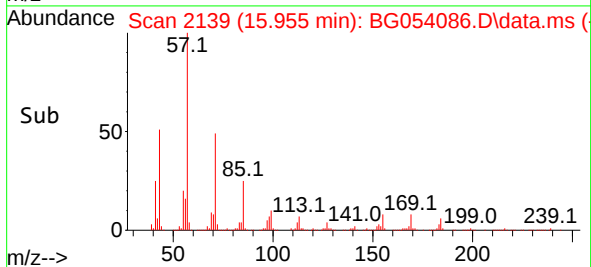
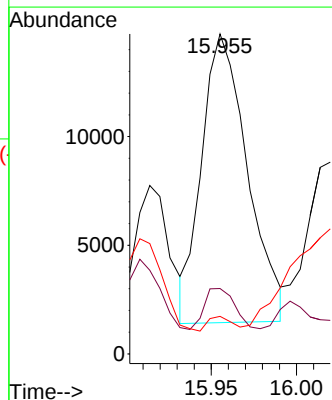
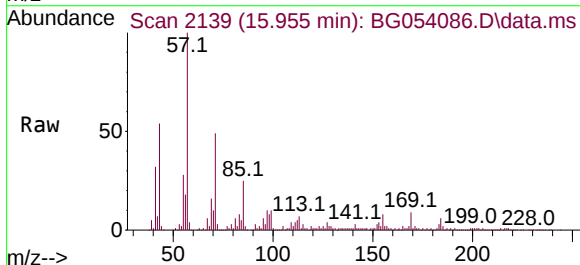
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

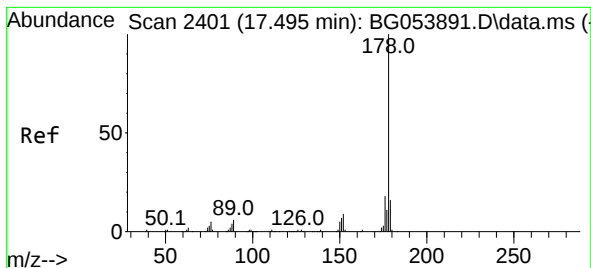
Tgt Ion:188 Resp: 186593
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0#
80 9.7 6.8 10.2



#66
n-Nitrosodiphenylamine
Concen: 5.096 ng
RT: 15.955 min Scan# 2139
Delta R.T. 0.012 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:169 Resp: 24784
Ion Ratio Lower Upper
169 100
168 20.5 55.9 83.9#
167 11.7 30.6 46.0#





#71

Phenanthrene

Concen: 11.300 ng

RT: 17.489 min Scan# 2400

Delta R.T. 0.006 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

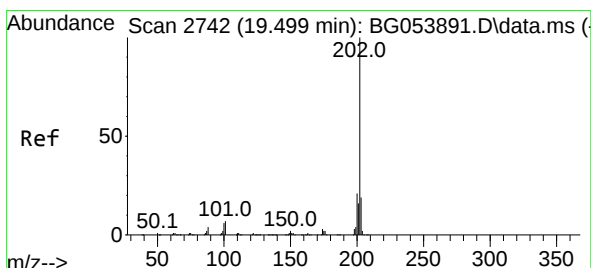
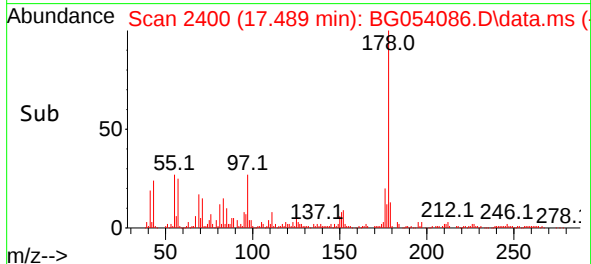
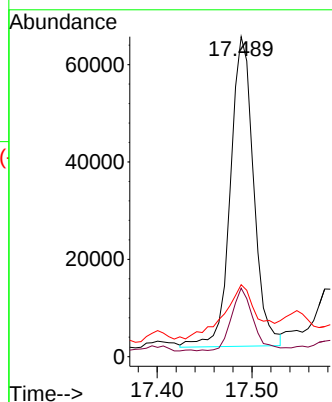
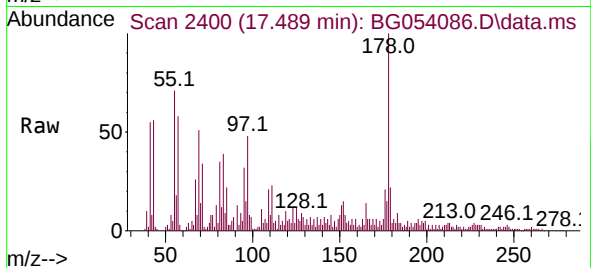
Tgt Ion:178 Resp: 108332

Ion Ratio Lower Upper

178 100

176 21.4 14.1 21.1#

179 22.5 12.1 18.1#



#75

Fluoranthene

Concen: 12.085 ng

RT: 19.868 min Scan# 2805

Delta R.T. 0.376 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

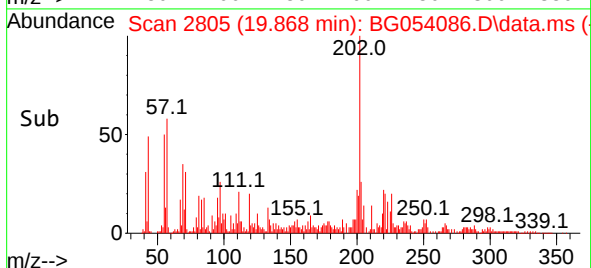
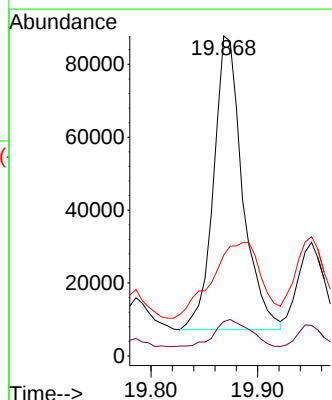
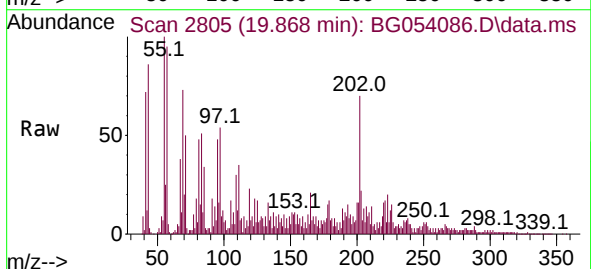
Tgt Ion:202 Resp: 152081

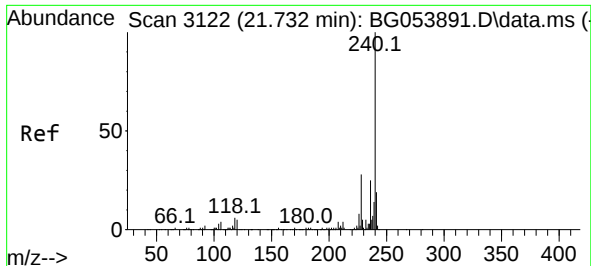
Ion Ratio Lower Upper

202 100

101 10.8 0.0 26.9

203 31.5 0.0 37.2

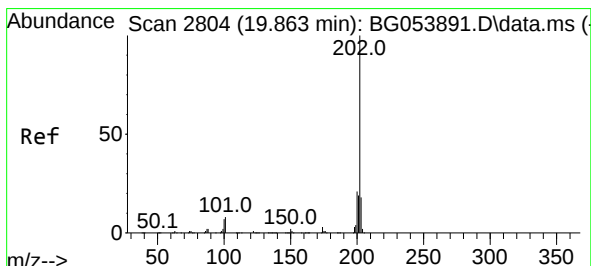
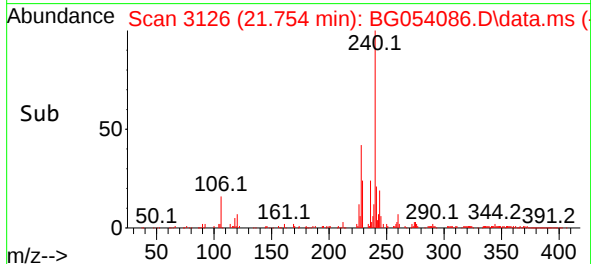
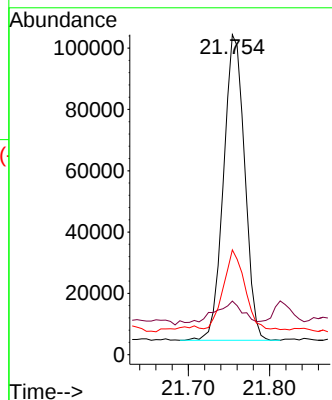
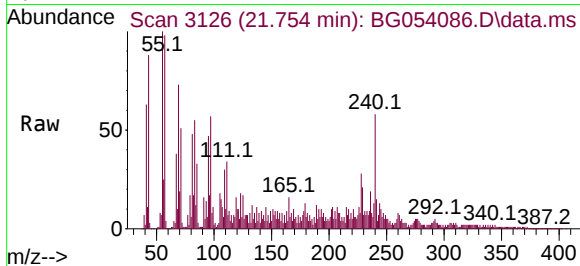




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3126
Delta R.T. 0.035 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

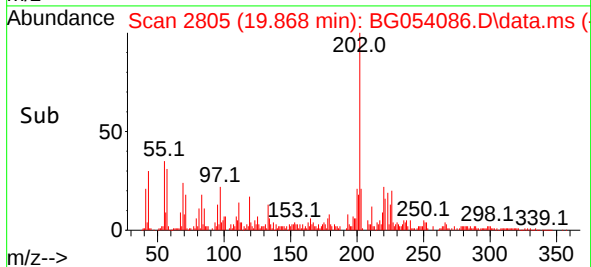
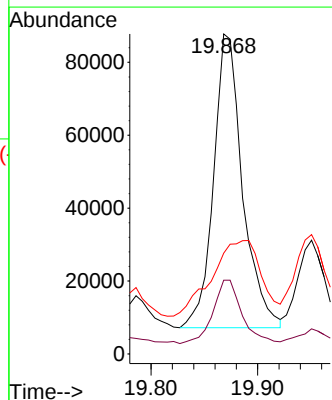
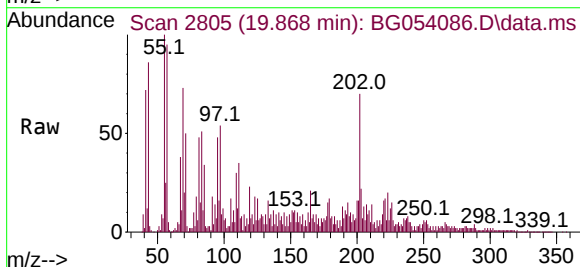
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

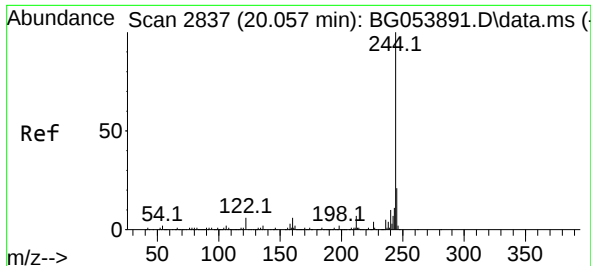
Tgt Ion:240 Resp: 179857
Ion Ratio Lower Upper
240 100
120 16.7 4.6 7.0#
236 32.7 20.2 30.4#



#78
Pyrene
Concen: 14.000 ng
RT: 19.868 min Scan# 2805
Delta R.T. 0.017 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:202 Resp: 152081
Ion Ratio Lower Upper
202 100
200 23.0 16.6 24.8
203 31.5 14.6 21.8#

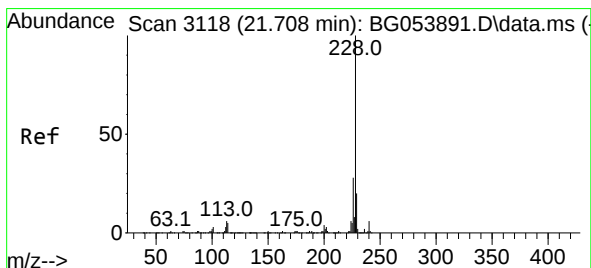
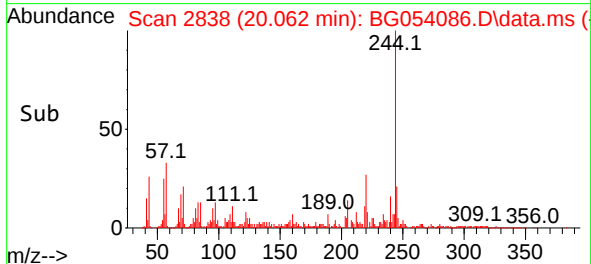
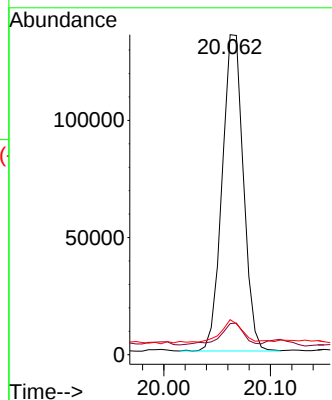
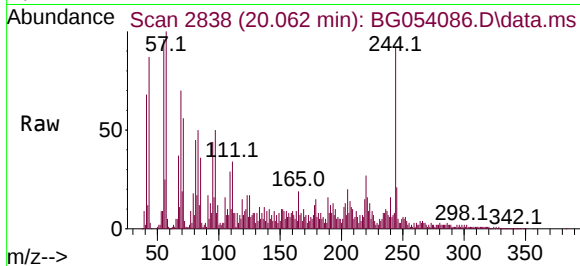




#79
 Terphenyl-d14
 Concen: 20.916 ng
 RT: 20.062 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: BG054086.D
 Acq: 26 Jun 2022 23:47

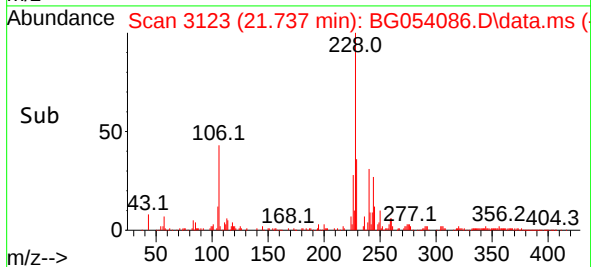
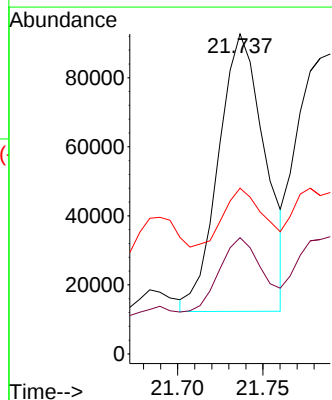
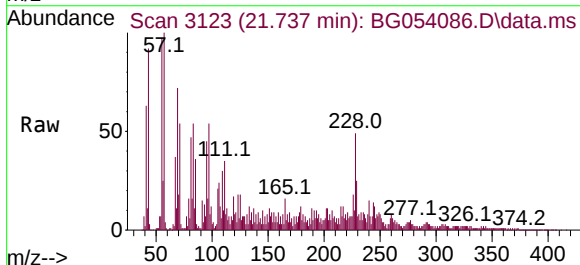
Instrument :
 BNA_G
 ClientSampleId :
 WC-15-1-2

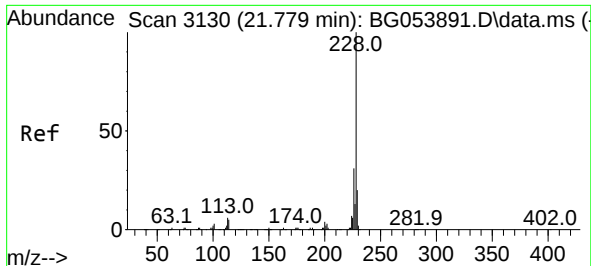
Tgt Ion:244 Resp: 186776
 Ion Ratio Lower Upper
 244 100
 212 9.7 6.5 9.7
 122 11.0 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 13.105 ng
 RT: 21.737 min Scan# 3123
 Delta R.T. 0.041 min
 Lab File: BG054086.D
 Acq: 26 Jun 2022 23:47

Tgt Ion:228 Resp: 152610
 Ion Ratio Lower Upper
 228 100
 226 36.3 21.6 32.4#
 229 51.8 16.2 24.2#

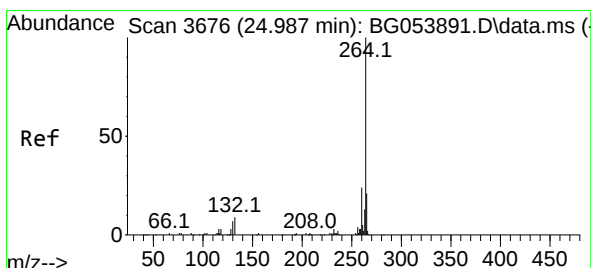
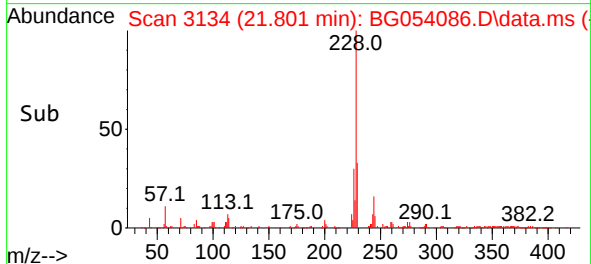
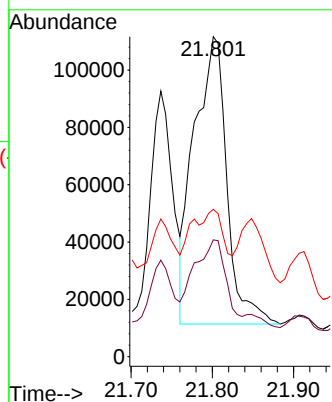
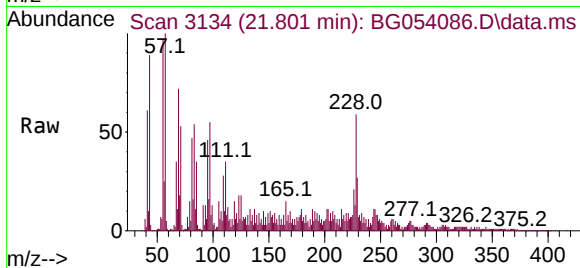




#83
Chrysene
Concen: 25.389 ng
RT: 21.801 min Scan# 3130
Delta R.T. 0.041 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

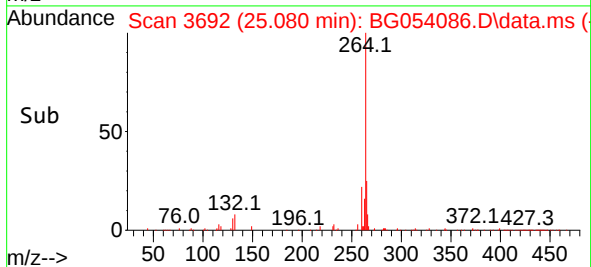
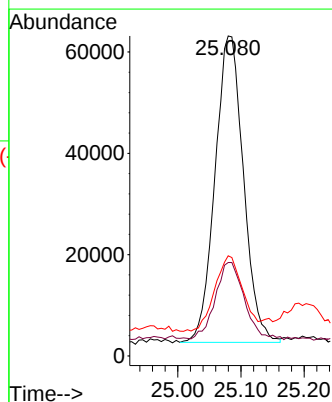
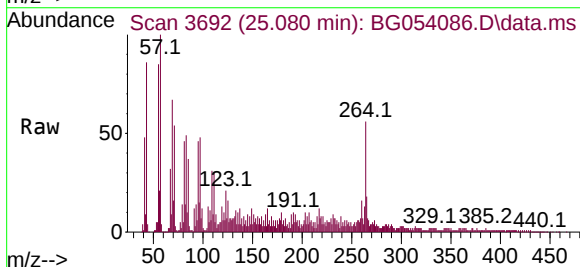
Instrument :
BNA_G
ClientSampleId :
WC-15-1-2

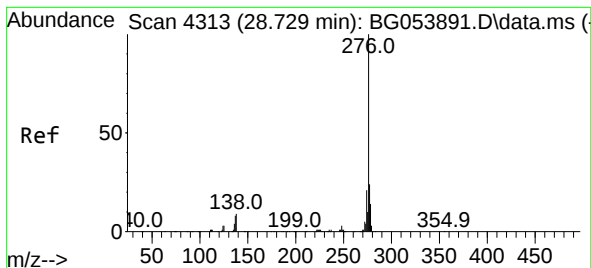
Tgt Ion:228 Resp: 281832
Ion Ratio Lower Upper
228 100
226 36.5 23.4 35.2#
229 46.0 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3692
Delta R.T. 0.117 min
Lab File: BG054086.D
Acq: 26 Jun 2022 23:47

Tgt Ion:264 Resp: 189317
Ion Ratio Lower Upper
264 100
260 29.2 19.0 28.6#
265 31.3 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.371 ng

RT: 28.858 min Scan# 41

Delta R.T. 0.170 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

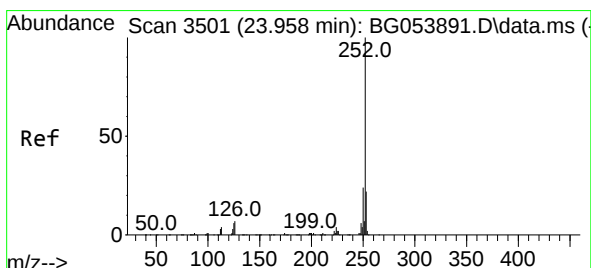
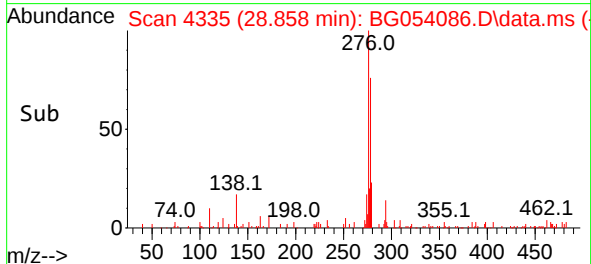
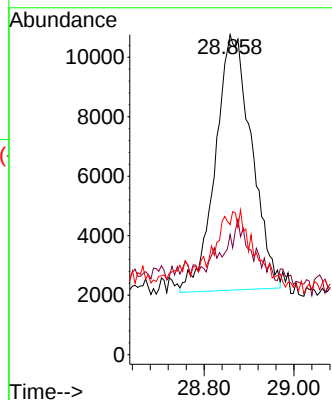
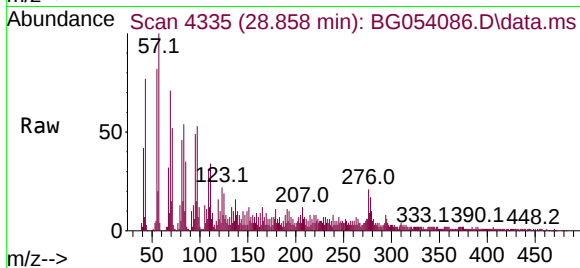
Tgt Ion:276 Resp: 48164

Ion Ratio Lower Upper

276 100

138 0.0 5.0 7.4#

277 6.7 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 8.897 ng

RT: 24.028 min Scan# 3513

Delta R.T. 0.094 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

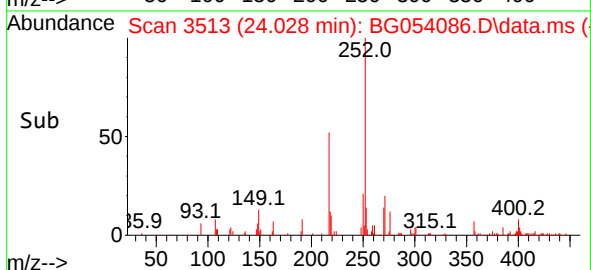
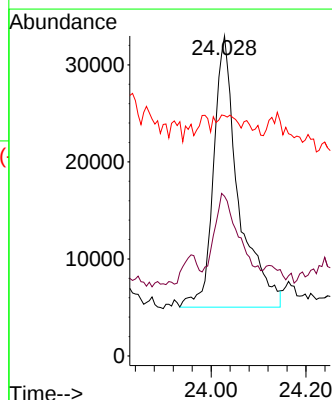
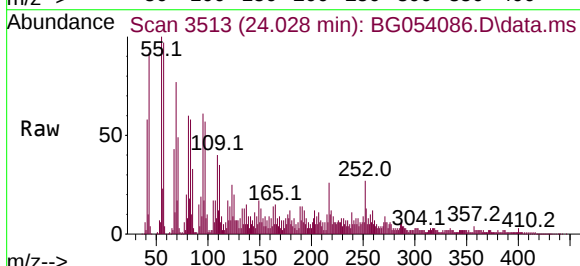
Tgt Ion:252 Resp: 102414

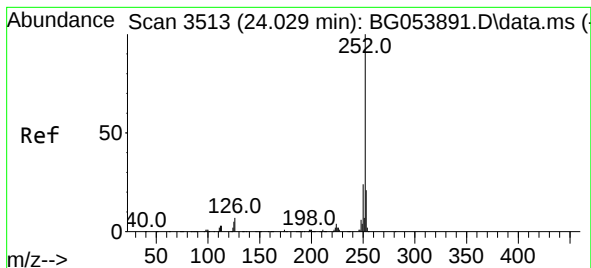
Ion Ratio Lower Upper

252 100

253 49.9 18.0 27.0#

125 75.1 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 8.986 ng

RT: 24.028 min Scan# 3513

Delta R.T. 0.023 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

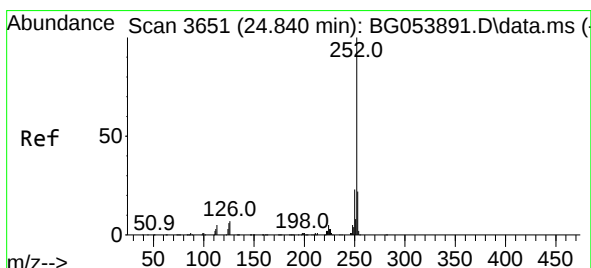
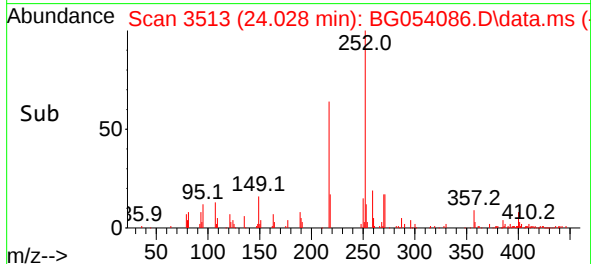
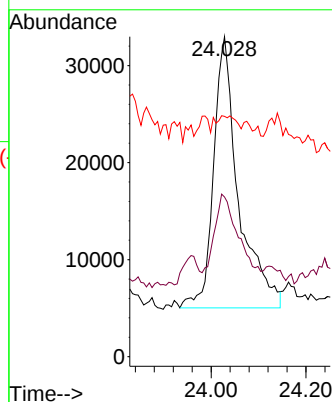
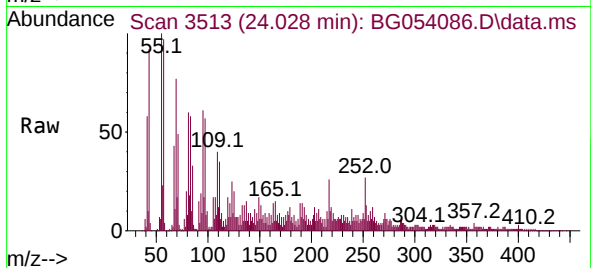
Tgt Ion:252 Resp: 102414

Ion Ratio Lower Upper

252 100

253 49.9 18.4 27.6#

125 75.1 4.8 7.2#



#90

Benzo(a)pyrene

Concen: 11.876 ng

RT: 24.927 min Scan# 3666

Delta R.T. 0.112 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

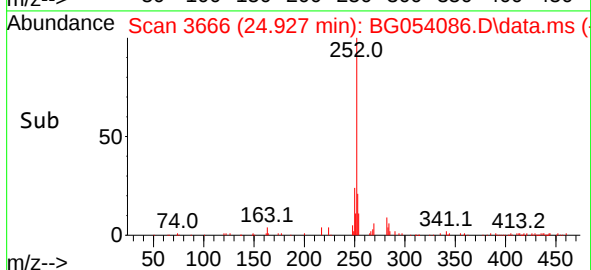
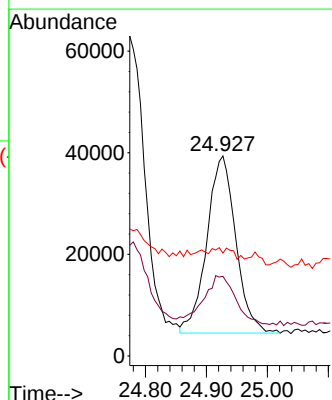
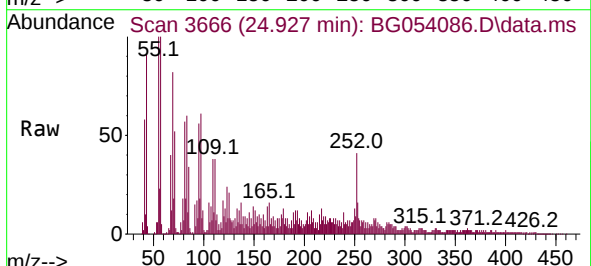
Tgt Ion:252 Resp: 115338

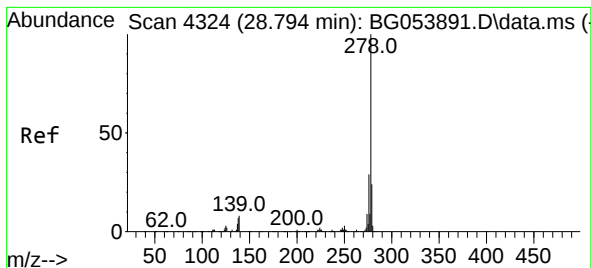
Ion Ratio Lower Upper

252 100

253 39.9 17.8 26.8#

125 51.4 4.3 6.5#





#91

Dibenzo(a,h)anthracene

Concen: 4.910 ng

RT: 28.887 min Scan# 41

Delta R.T. 0.141 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

Instrument :

BNA_G

ClientSampleId :

WC-15-1-2

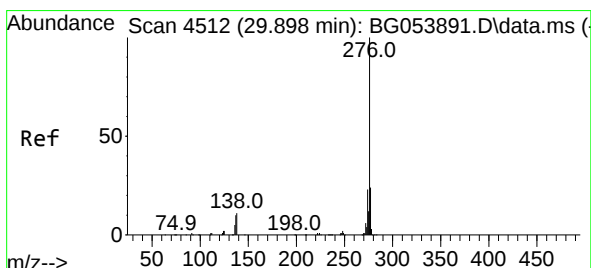
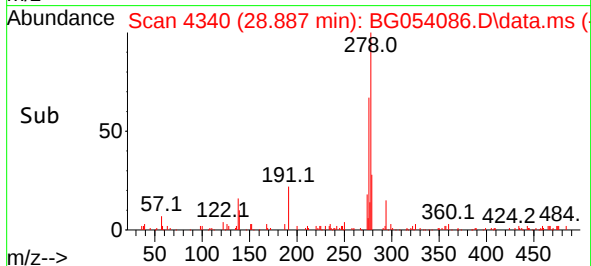
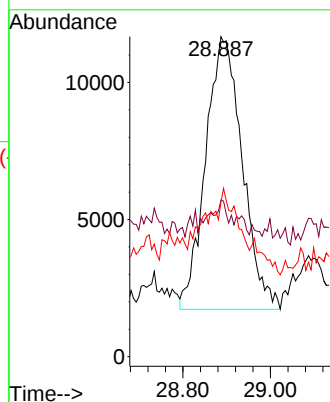
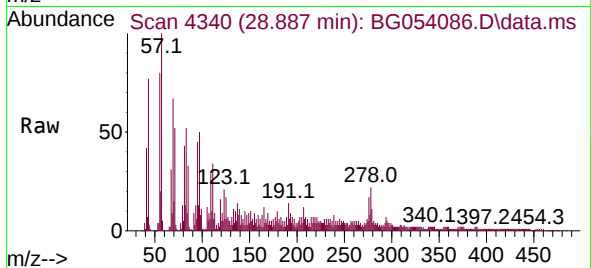
Tgt Ion:278 Resp: 58011

Ion Ratio Lower Upper

278 100

139 49.0 7.2 10.8#

279 48.4 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 8.370 ng

RT: 30.039 min Scan# 4536

Delta R.T. 0.176 min

Lab File: BG054086.D

Acq: 26 Jun 2022 23:47

Tgt Ion:276 Resp: 97581

Ion Ratio Lower Upper

276 100

277 32.8 17.3 25.9#

138 21.0 9.6 14.4#

