

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054965.D
 Acq On : 15 Sep 2022 21:03
 Operator : CG/JU
 Sample : N4612-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-091322

Quant Time: Sep 16 05:33:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

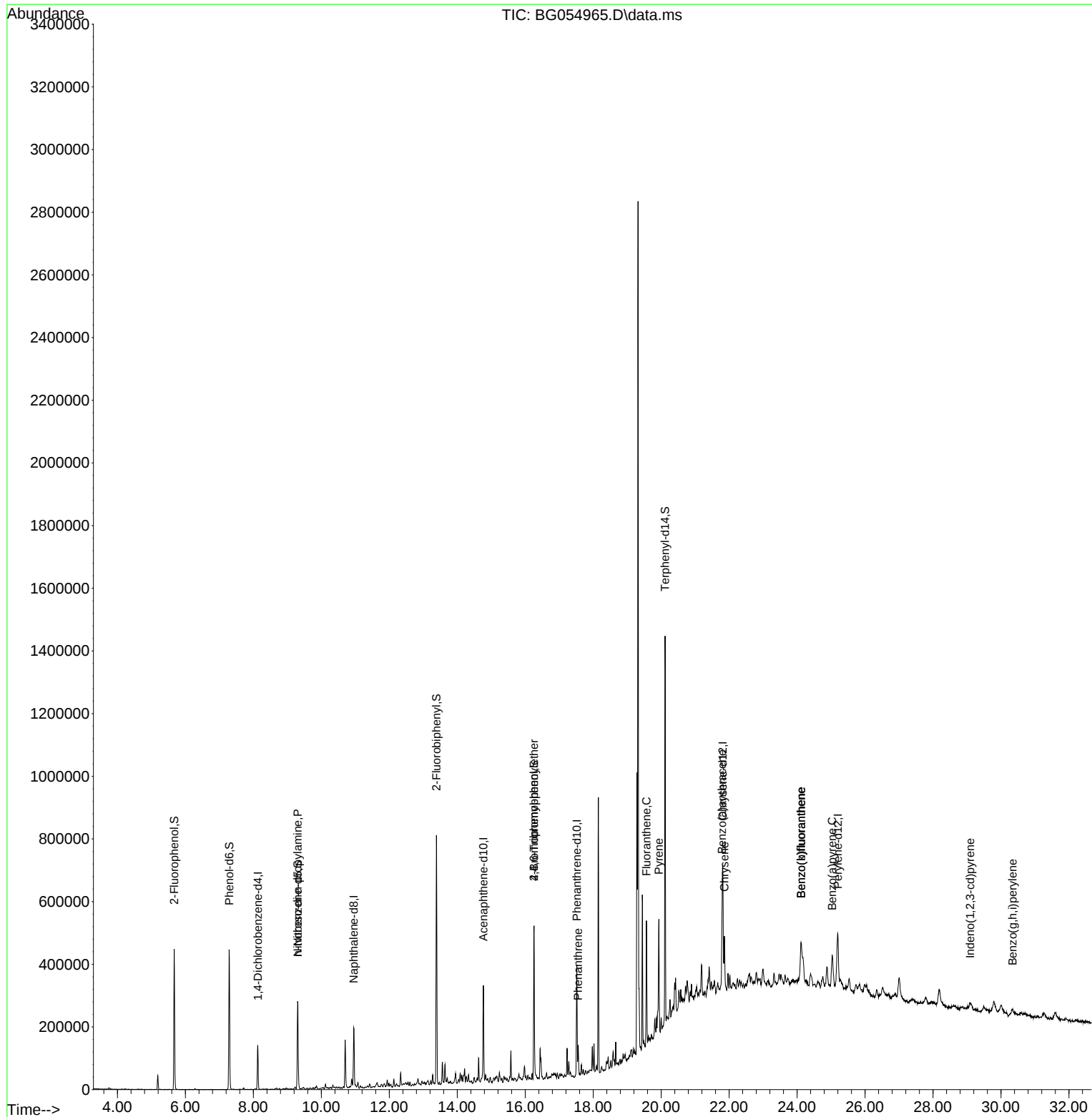
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	44544	20.000	ng	0.00
21) Naphthalene-d8	10.955	136	176450	20.000	ng	# 0.00
39) Acenaphthene-d10	14.768	164	113068	20.000	ng	0.00
64) Phenanthrene-d10	17.518	188	231030	20.000	ng	0.00
76) Chrysene-d12	21.813	240	217883	20.000	ng	0.00
86) Perylene-d12	25.197	264	222146	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	227722	89.023	ng	0.00
7) Phenol-d6	7.289	99	304648	87.085	ng	0.00
23) Nitrobenzene-d5	9.304	82	184782	54.975	ng	0.00
42) 2,4,6-Tribromophenol	16.260	330	123510	87.419	ng	0.00
45) 2-Fluorobiphenyl	13.387	172	450495	59.884	ng	0.00
79) Terphenyl-d14	20.115	244	630591	57.345	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.304	70	23906	9.937	ng	# 77
67) 4-Bromophenyl-phenylether	16.260	248	7511	2.961	ng	# 1
71) Phenanthrene	17.559	178	59456	4.831	ng	97
75) Fluoranthene	19.568	202	255736	17.081	ng	98
78) Pyrene	19.933	202	233910	15.396	ng	98
81) Benzo(a)anthracene	21.795	228	152413	10.317	ng	98
83) Chrysene	21.860	228	134047	9.490	ng	96
87) Indeno(1,2,3-cd)pyrene	29.098	276	49857	2.956	ng	# 93
88) Benzo(b)fluoranthene	24.116	252	168684	12.105	ng	# 84
89) Benzo(k)fluoranthene	24.116	252	168684	12.028	ng	# 84
90) Benzo(a)pyrene	25.032	252	124740	10.477	ng	# 96
92) Benzo(g,h,i)perylene	30.338	276	45809	3.300	ng	# 91

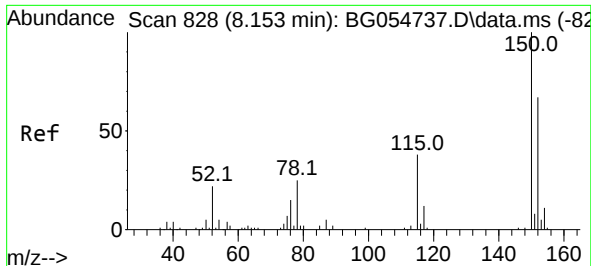
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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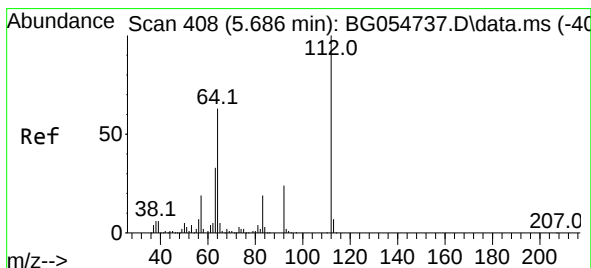
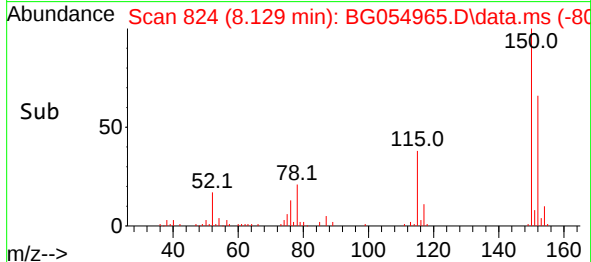
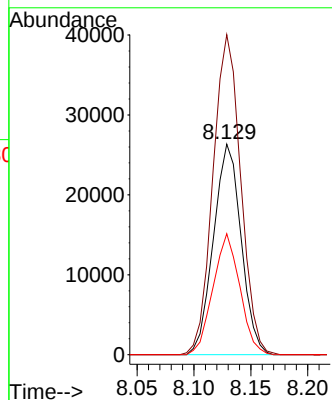
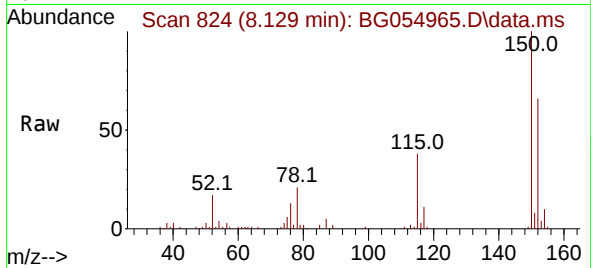




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

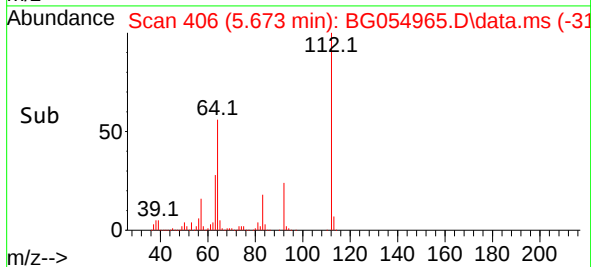
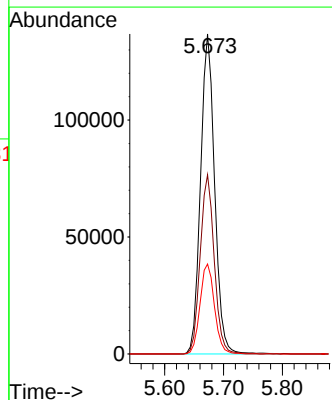
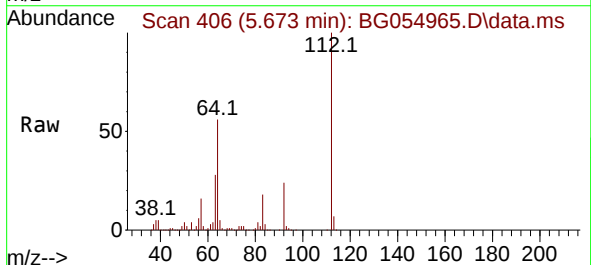
Instrument :
BNA_G
ClientSampleId :
CL-01-091322

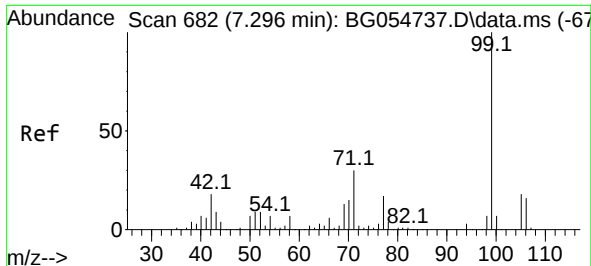
Tgt Ion:152 Resp: 44544
Ion Ratio Lower Upper
152 100
150 151.9 125.2 187.8
115 57.4 47.9 71.9



#5
2-Fluorophenol
Concen: 89.023 ng
RT: 5.673 min Scan# 406
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:112 Resp: 227722
Ion Ratio Lower Upper
112 100
64 56.0 49.3 73.9
63 28.1 26.3 39.5

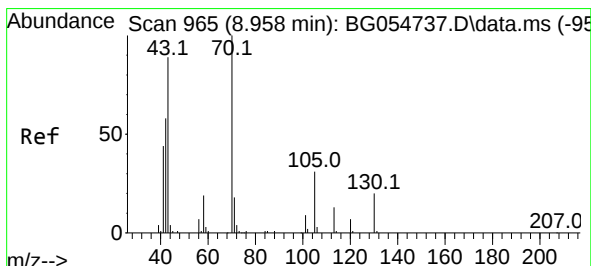
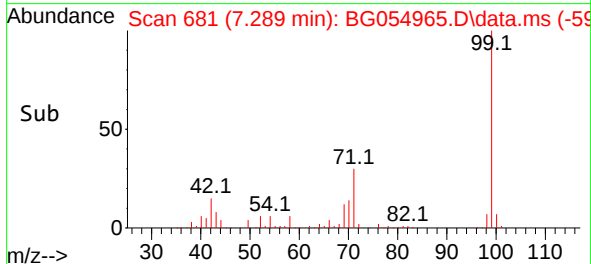
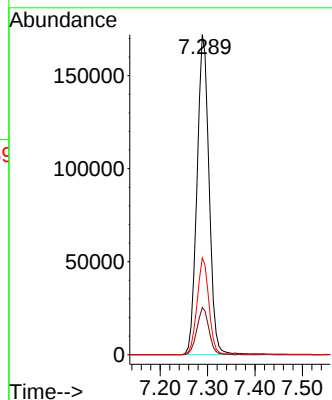
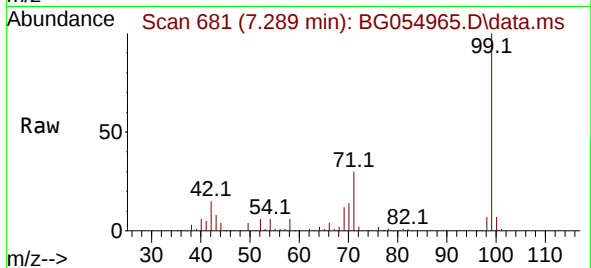




#7
Phenol-d6
Concen: 87.085 ng
RT: 7.289 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

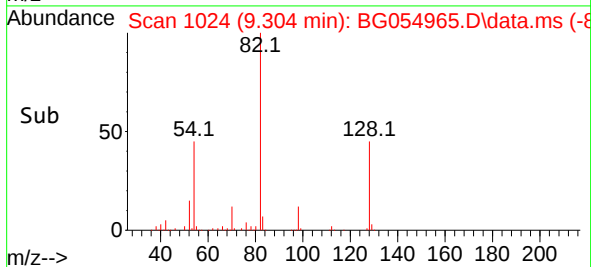
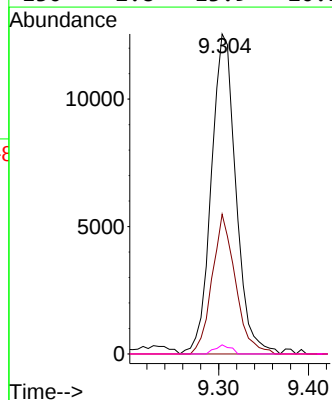
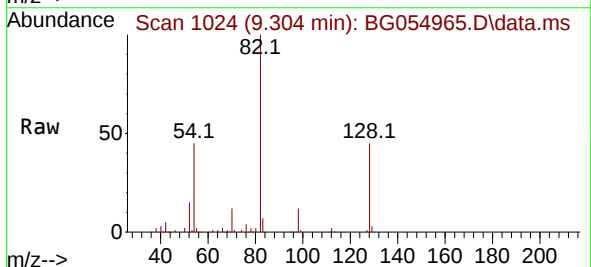
Instrument :
BNA_G
ClientSampleId :
CL-01-091322

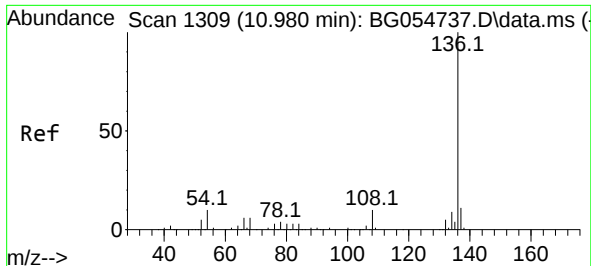
Tgt Ion: 99 Resp: 304648
Ion Ratio Lower Upper
99 100
42 14.7 14.6 22.0
71 30.2 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.937 ng
RT: 9.304 min Scan# 1024
Delta R.T. 0.364 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion: 70 Resp: 23906
Ion Ratio Lower Upper
70 100
42 43.6 46.6 69.8#
101 0.0 7.7 11.5#
130 2.8 13.9 20.9#

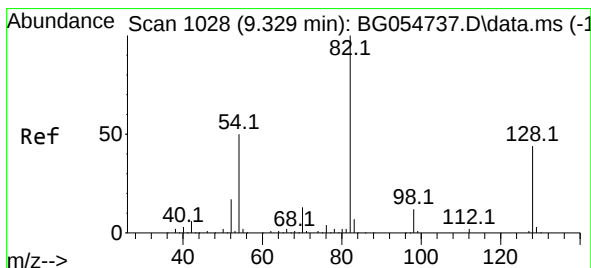
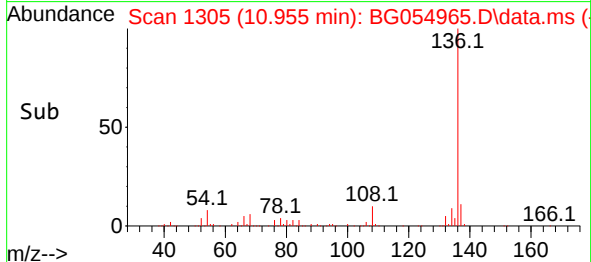
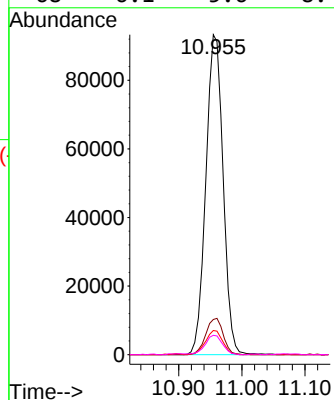
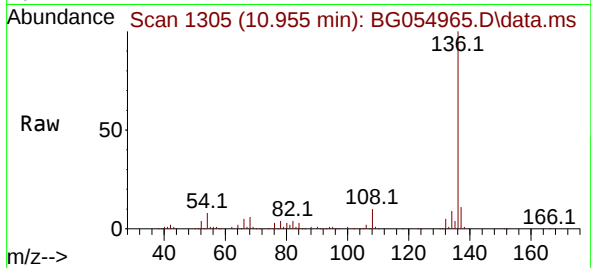




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

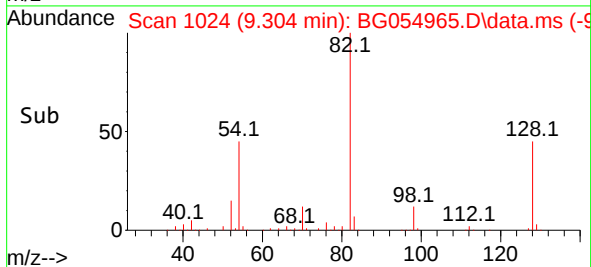
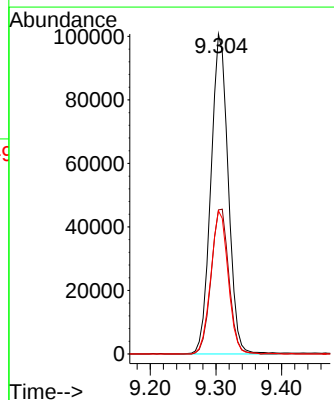
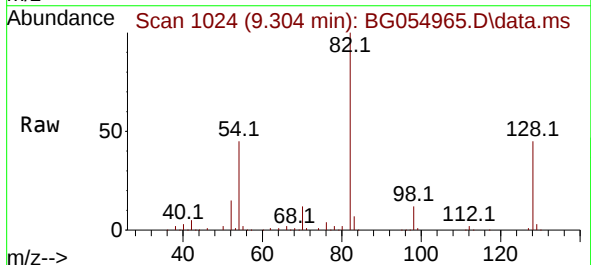
Instrument :
BNA_G
ClientSampleId :
CL-01-091322

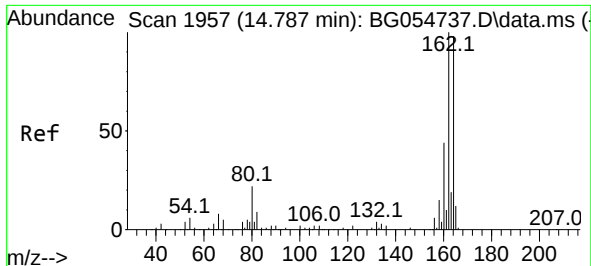
Tgt Ion:	136	Resp:	176450
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.6	7.7	11.5#
68	6.1	5.6	8.4



#23
Nitrobenzene-d5
Concen: 54.975 ng
RT: 9.304 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:	82	Resp:	184782
Ion	Ratio	Lower	Upper
82	100		
128	45.0	32.2	48.2
54	44.8	41.4	62.0

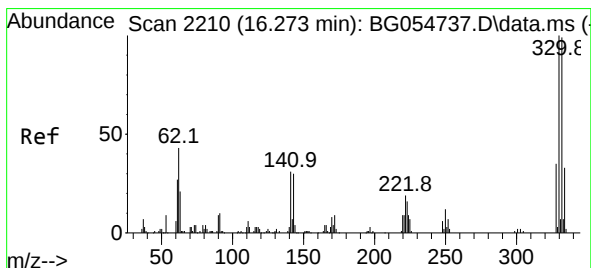
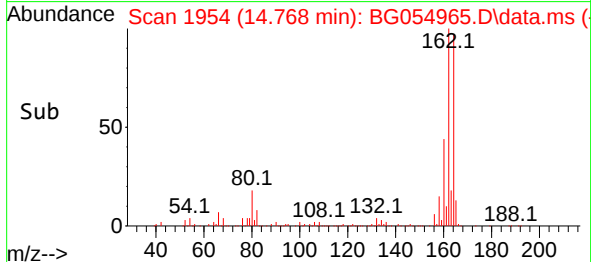
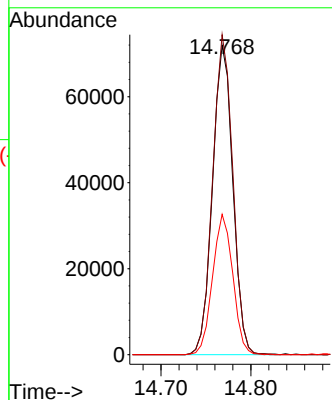
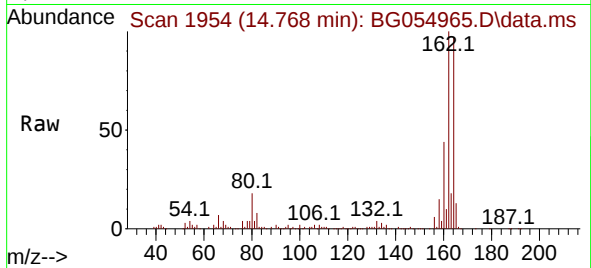




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.768 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

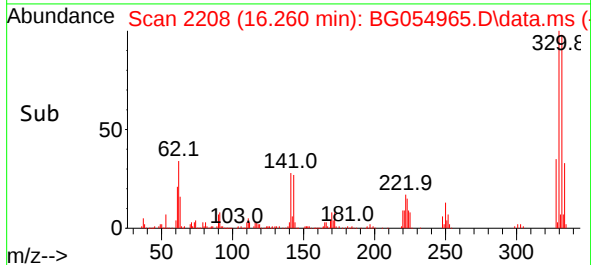
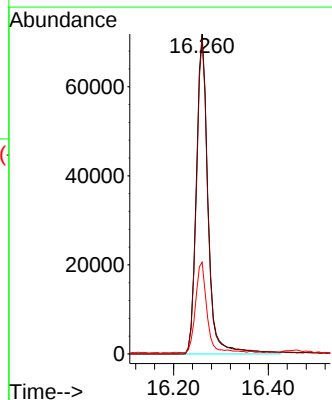
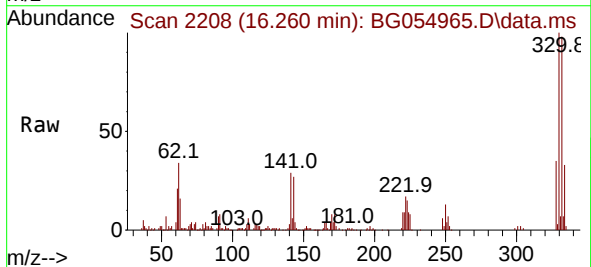
Instrument :
BNA_G
ClientSampleId :
CL-01-091322

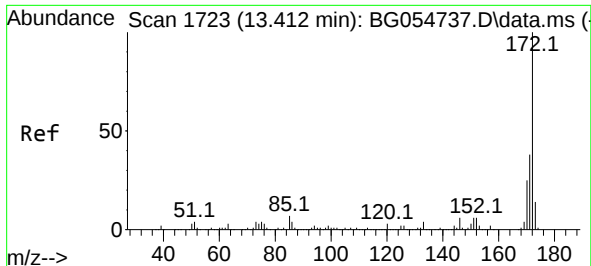
Tgt Ion:164 Resp: 113068
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.4
160 45.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 87.419 ng
RT: 16.260 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:330 Resp: 123510
Ion Ratio Lower Upper
330 100
332 96.2 79.8 119.6
141 27.4 26.8 40.2

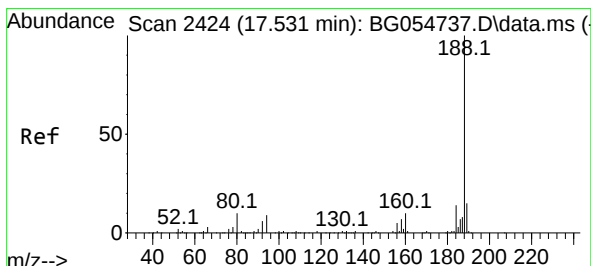
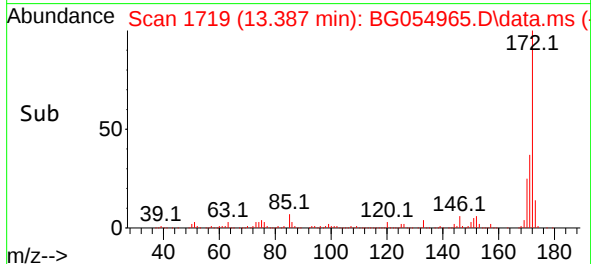
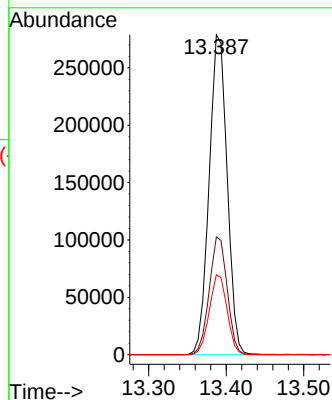
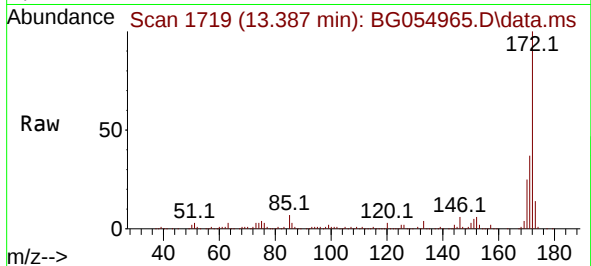




#45
2-Fluorobiphenyl
Concen: 59.884 ng
RT: 13.387 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

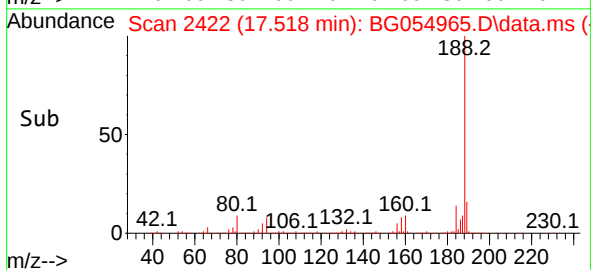
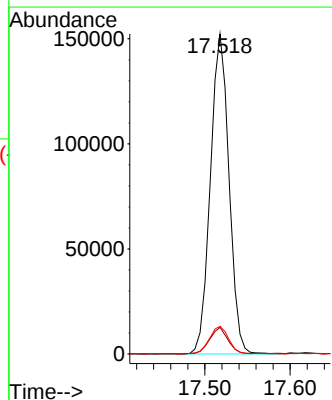
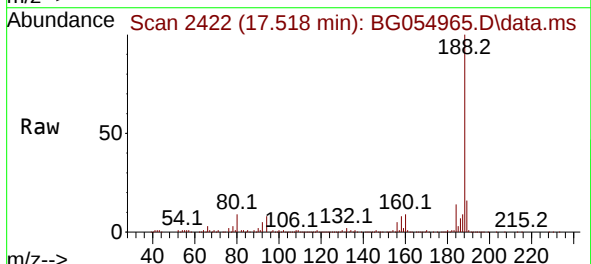
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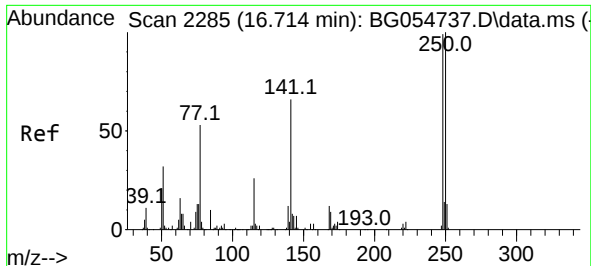
Tgt Ion:172 Resp: 450495
Ion Ratio Lower Upper
172 100
171 36.8 31.2 46.8
170 24.9 20.6 30.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.518 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:188 Resp: 231030
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 8.7 7.9 11.9

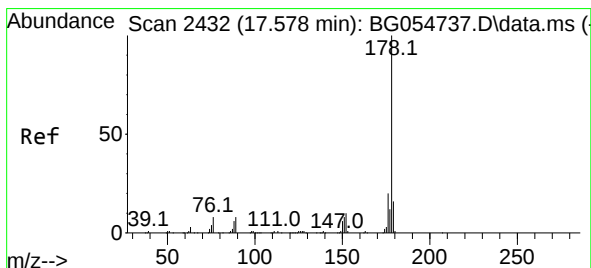
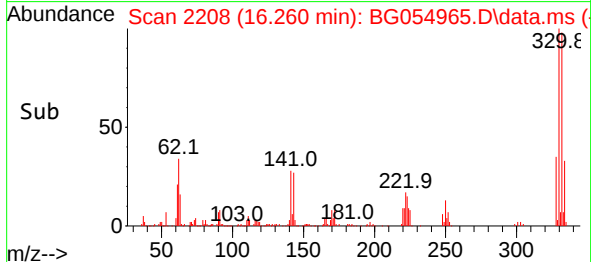
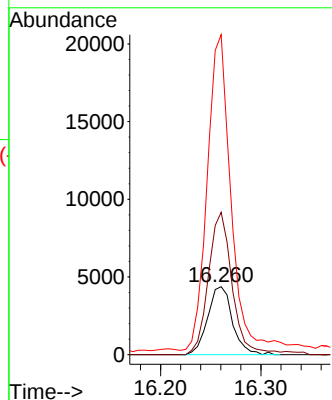
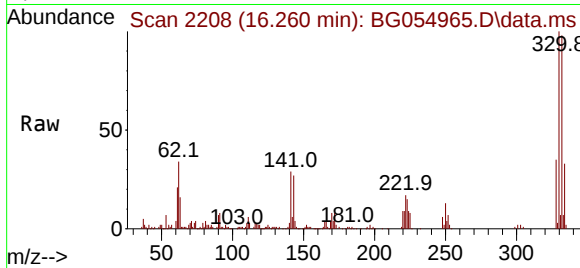




#67
4-Bromophenyl-phenylether
Concen: 2.961 ng
RT: 16.260 min Scan# 211
Delta R.T. -0.441 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

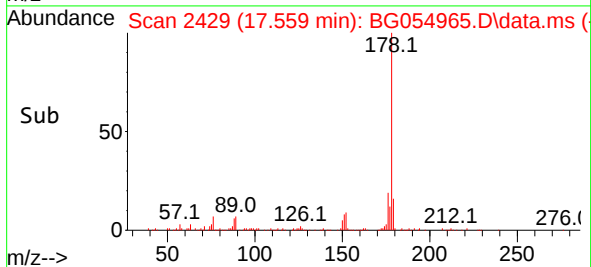
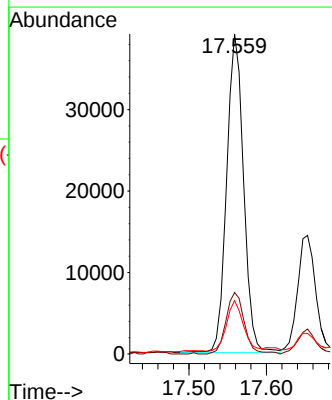
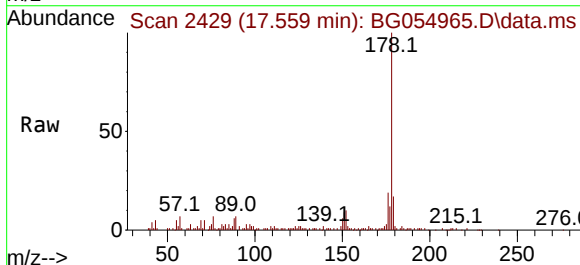
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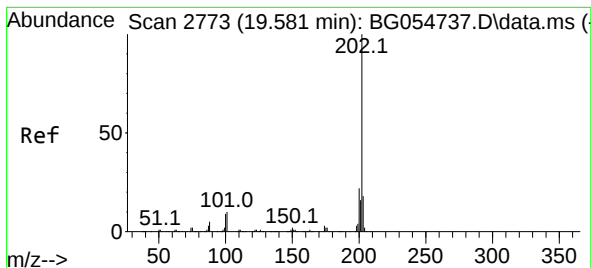
Tgt Ion:248 Resp: 7511
Ion Ratio Lower Upper
248 100
250 209.4 78.8 118.2#
141 470.4 51.9 77.9#



#71
Phenanthrene
Concen: 4.831 ng
RT: 17.559 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:178 Resp: 59456
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 16.6 12.8 19.2





#75

Fluoranthene

Concen: 17.081 ng

RT: 19.568 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

CL-01-091322

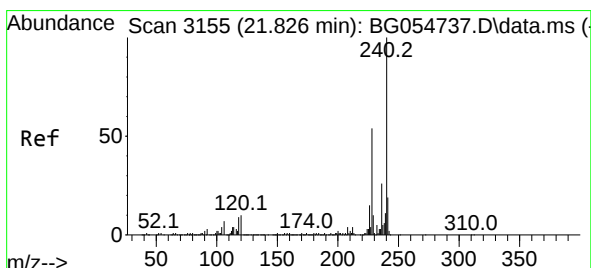
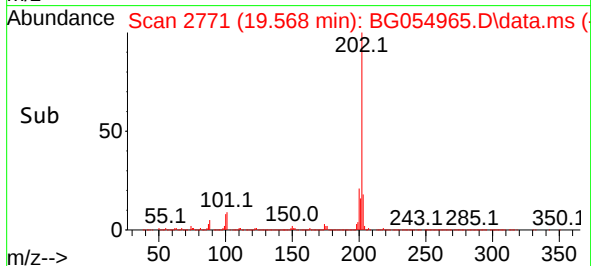
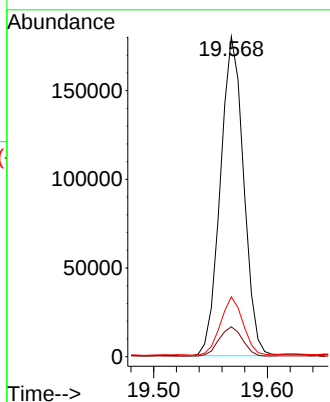
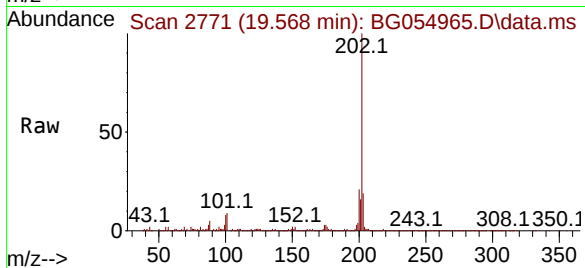
Tgt Ion:202 Resp: 255736

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.4

203 18.7 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.813 min Scan# 3153

Delta R.T. -0.006 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

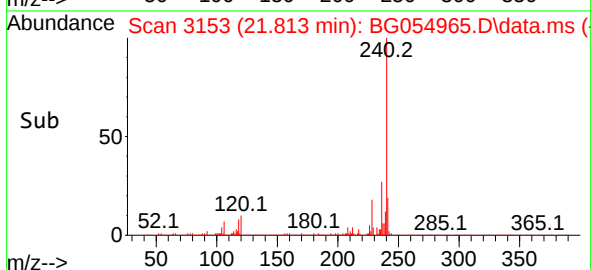
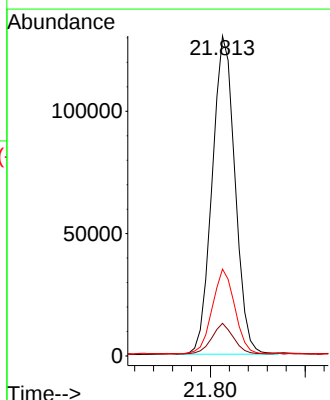
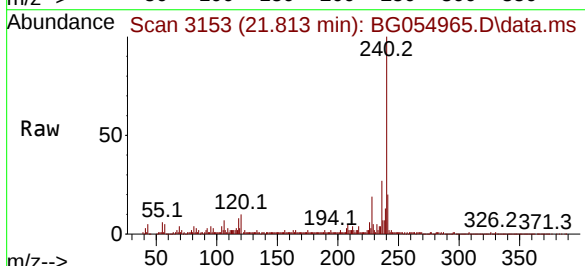
Tgt Ion:240 Resp: 217883

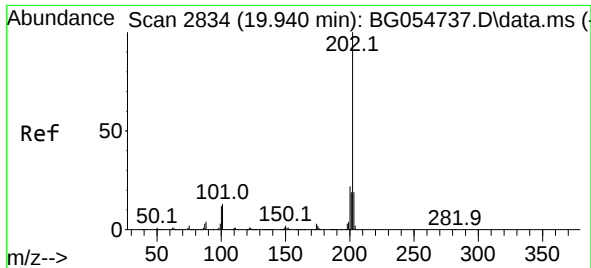
Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.4

236 27.2 21.2 31.8

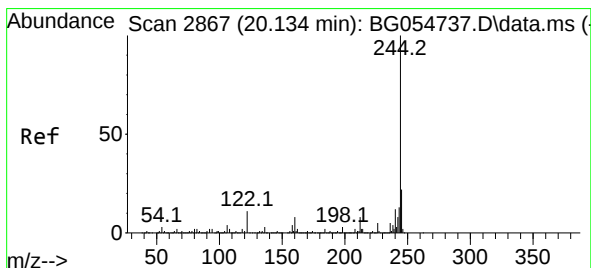
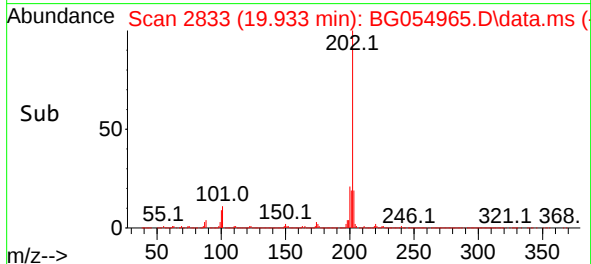
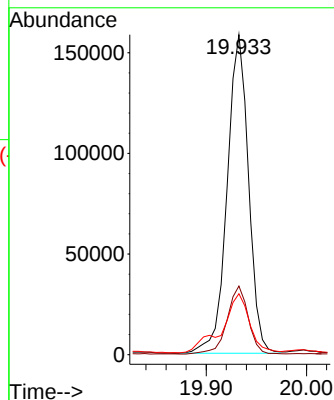
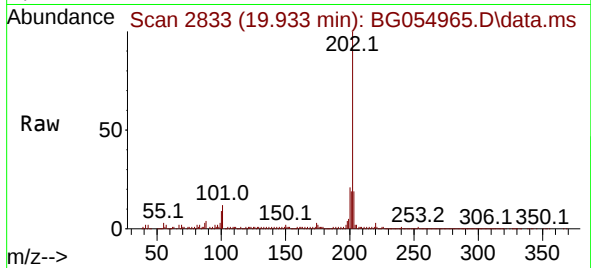




#78
Pyrene
Concen: 15.396 ng
RT: 19.933 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

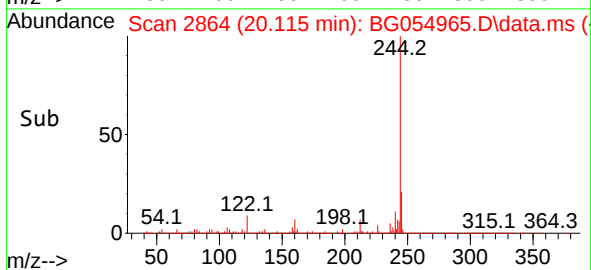
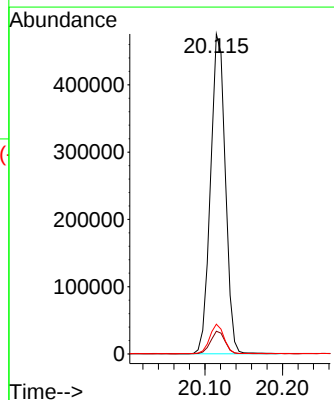
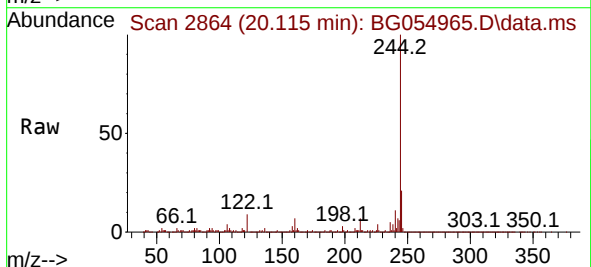
Instrument :
BNA_G
ClientSampleId :
CL-01-091322

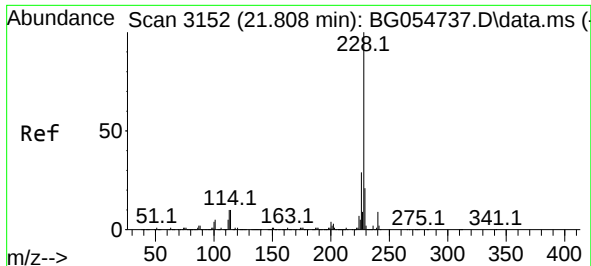
Tgt Ion:202 Resp: 233910
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.6
203 19.1 14.6 21.8



#79
Terphenyl-d14
Concen: 57.345 ng
RT: 20.115 min Scan# 2864
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:244 Resp: 630591
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.2
122 9.3 9.0 13.6

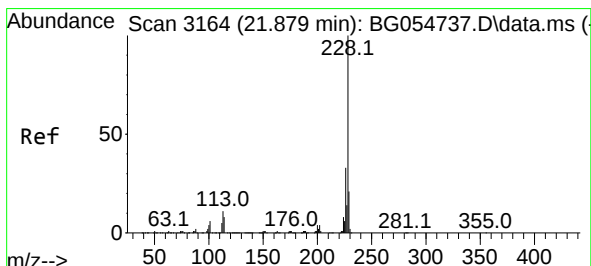
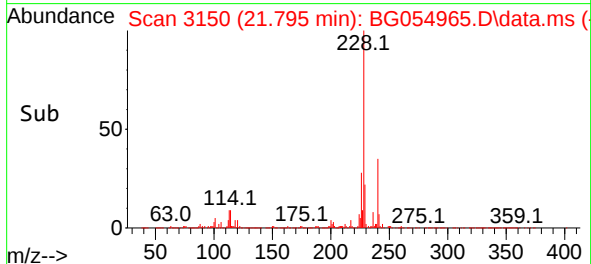
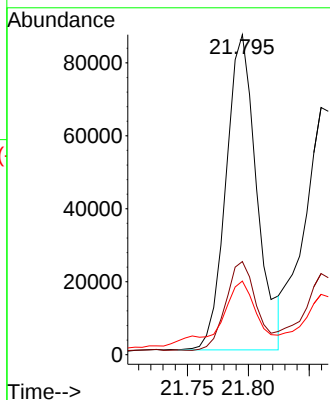
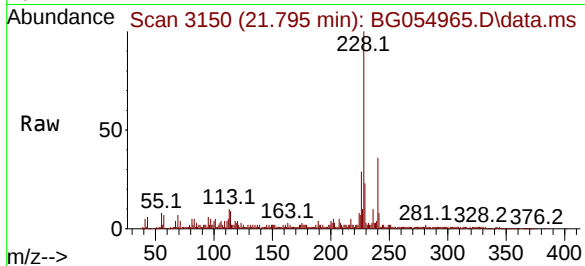




#81
Benzo(a)anthracene
Concen: 10.317 ng
RT: 21.795 min Scan# 3150
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

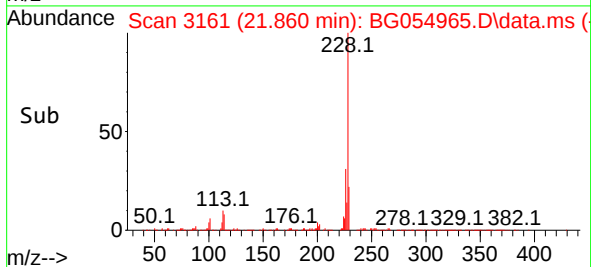
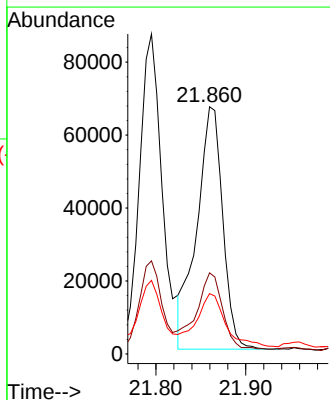
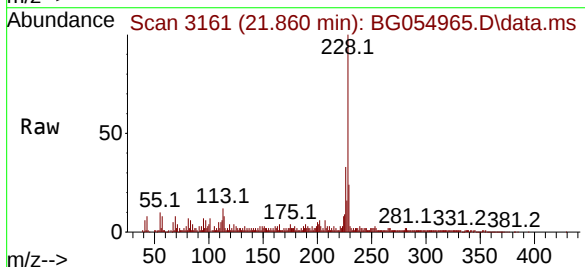
Instrument :
BNA_G
ClientSampleId :
CL-01-091322

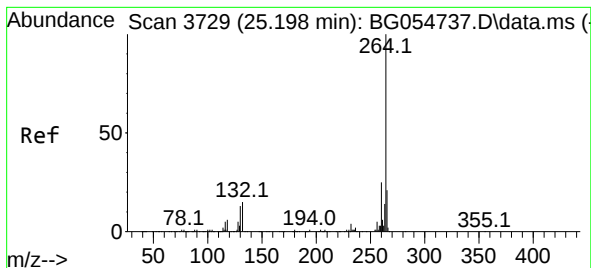
Tgt Ion:228 Resp: 152413
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 23.0 16.5 24.7



#83
Chrysene
Concen: 9.490 ng
RT: 21.860 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:228 Resp: 134047
Ion Ratio Lower Upper
228 100
226 32.9 25.5 38.3
229 24.4 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.197 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

CL-01-091322

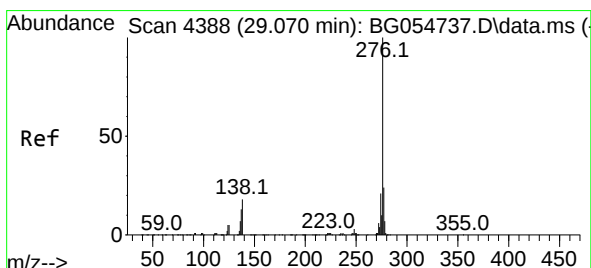
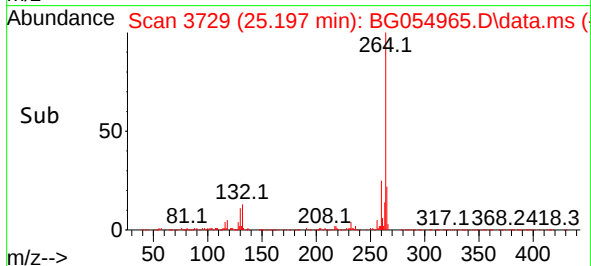
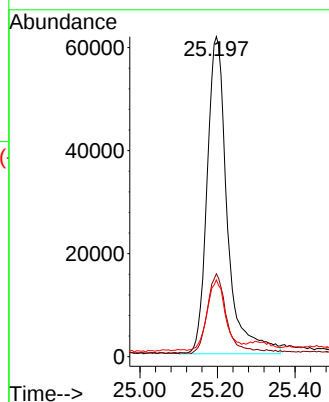
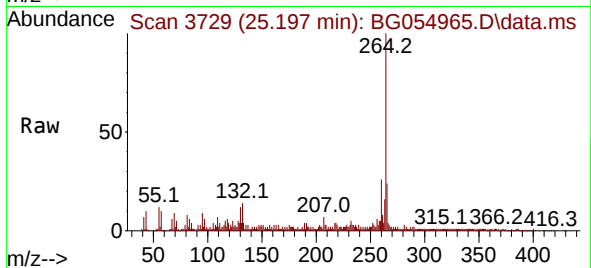
Tgt Ion:264 Resp: 222146

Ion Ratio Lower Upper

264 100

260 25.9 19.9 29.9

265 24.0 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.956 ng

RT: 29.098 min Scan# 4393

Delta R.T. 0.012 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

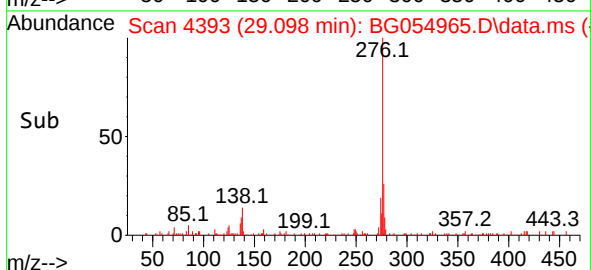
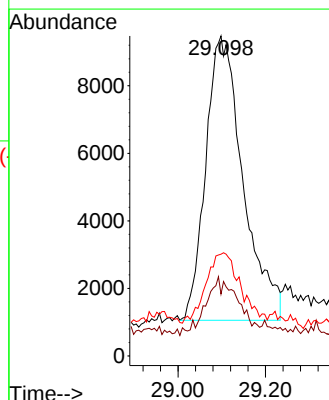
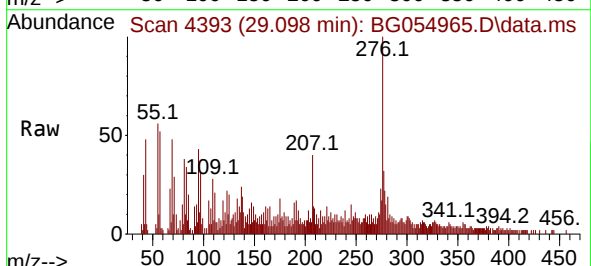
Tgt Ion:276 Resp: 49857

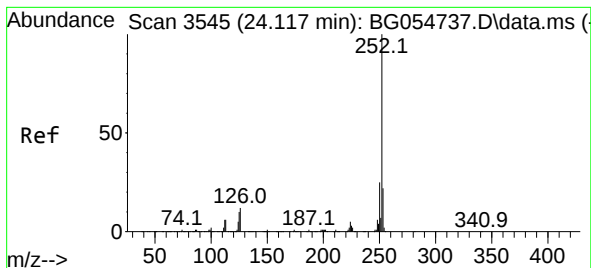
Ion Ratio Lower Upper

276 100

138 8.7 12.0 18.0#

277 26.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 12.105 ng

RT: 24.116 min Scan# 3545

Delta R.T. 0.006 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

Instrument :

BNA_G

ClientSampleId :

CL-01-091322

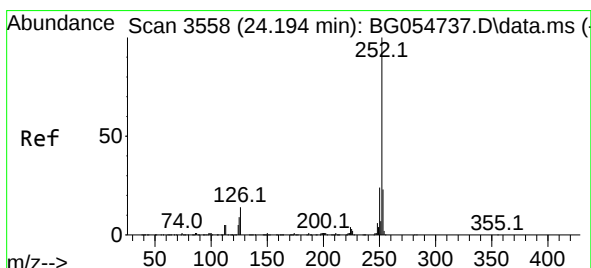
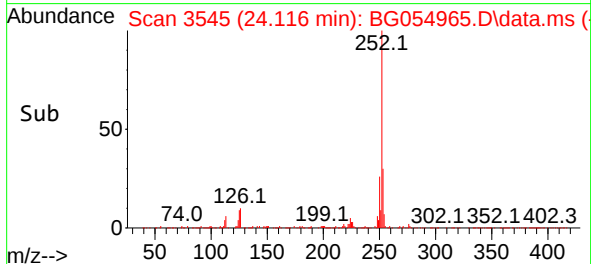
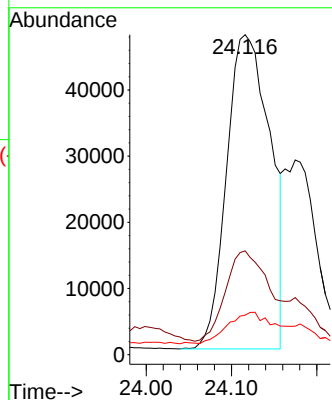
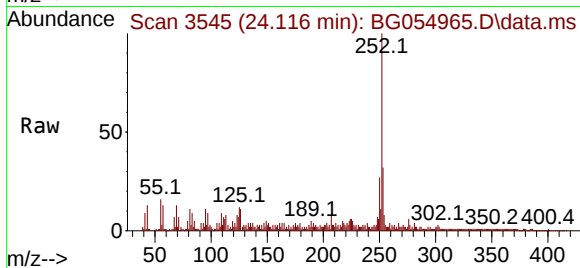
Tgt Ion:252 Resp: 168684

Ion Ratio Lower Upper

252 100

253 32.5 18.0 27.0#

125 12.3 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 12.028 ng

RT: 24.116 min Scan# 3545

Delta R.T. -0.065 min

Lab File: BG054965.D

Acq: 15 Sep 2022 21:03

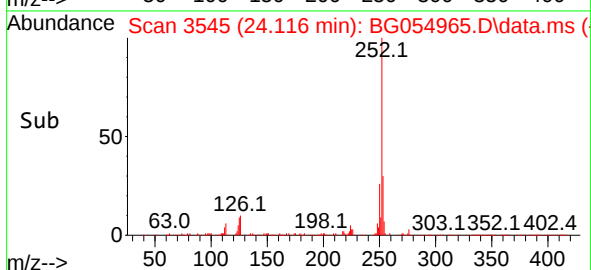
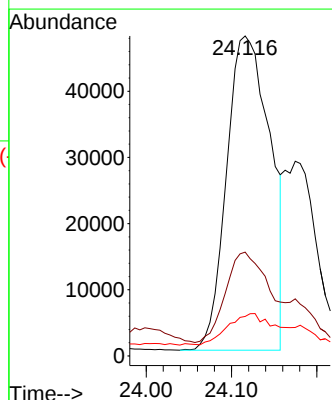
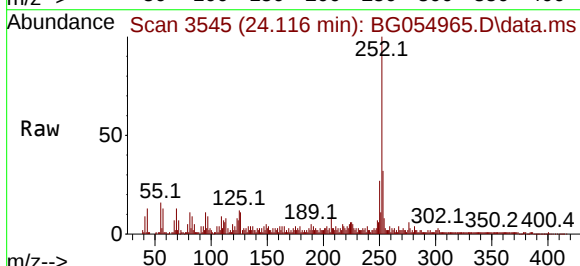
Tgt Ion:252 Resp: 168684

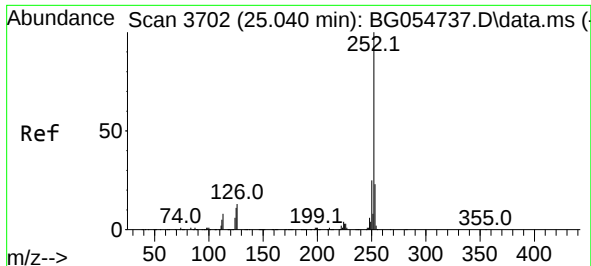
Ion Ratio Lower Upper

252 100

253 32.5 17.8 26.8#

125 12.3 8.2 12.4

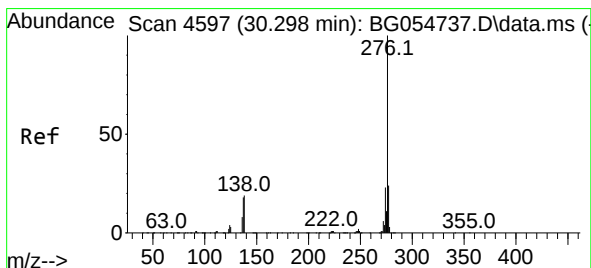
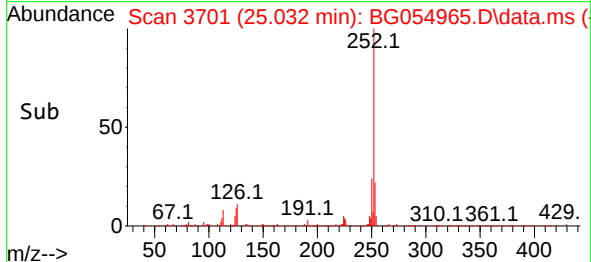
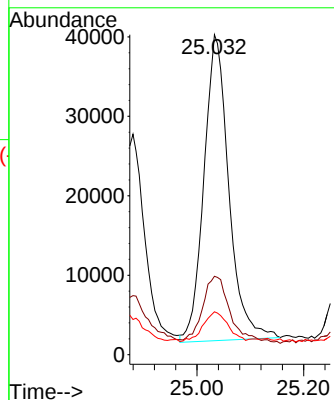
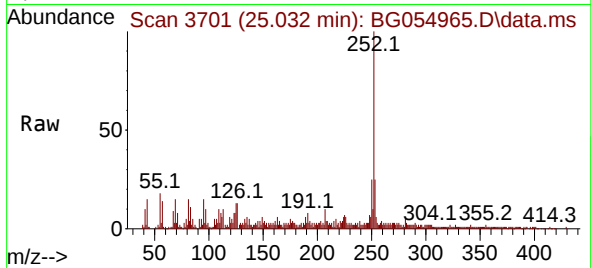




#90
Benzo(a)pyrene
Concen: 10.477 ng
RT: 25.032 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Instrument :
BNA_G
ClientSampleId :
CL-01-091322

Tgt Ion:252 Resp: 124740
Ion Ratio Lower Upper
252 100
253 24.5 18.3 27.5
125 13.4 8.8 13.2#



#92
Benzo(g,h,i)perylene
Concen: 3.300 ng
RT: 30.338 min Scan# 4604
Delta R.T. 0.029 min
Lab File: BG054965.D
Acq: 15 Sep 2022 21:03

Tgt Ion:276 Resp: 45809
Ion Ratio Lower Upper
276 100
277 31.7 19.4 29.0#
138 19.7 16.6 25.0

