

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054440.D
 Acq On : 28 Jul 2022 20:41
 Operator : CG/JU
 Sample : N3906-01DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22DL

Quant Time: Jul 29 04:09:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

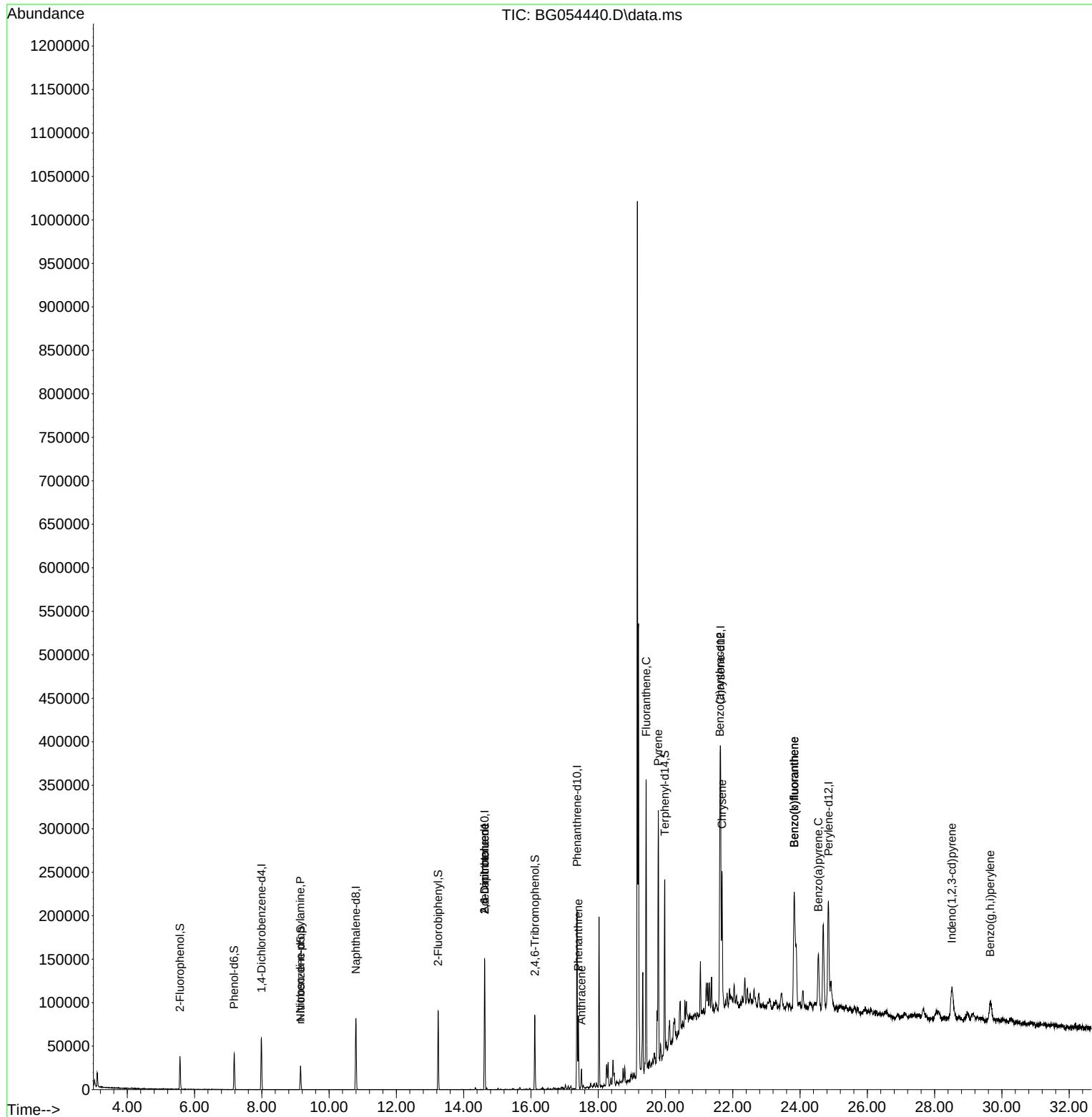
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	19465	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	76827	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	60800	20.000	ng	0.00
64) Phenanthrene-d10	17.370	188	148074	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	161291	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	167579	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	18668	20.024	ng	0.00
7) Phenol-d6	7.177	99	25496	19.958	ng	0.00
23) Nitrobenzene-d5	9.151	82	16750	11.873	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	23999	18.800	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	55151	12.796	ng	0.00
79) Terphenyl-d14	19.979	244	112378	13.822	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.145	70	2225	2.608	ng	# 73
51) 2,6-Dinitrotoluene	14.621	165	8860	8.506	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	8860	5.933	ng	# 21
71) Phenanthrene	17.412	178	59854	8.117	ng	98
72) Anthracene	17.500	178	17318	2.393	ng	96
75) Fluoranthene	19.427	202	233264	23.206	ng	95
78) Pyrene	19.785	202	207551	22.426	ng	99
81) Benzo(a)anthracene	21.618	228	155271	15.165	ng	99
83) Chrysene	21.683	228	125841	13.009	ng	95
87) Indeno(1,2,3-cd)pyrene	28.510	276	78828	6.183	ng	95
88) Benzo(b)fluoranthene	23.828	252	188425	19.013	ng	# 96
89) Benzo(k)fluoranthene	23.828	252	188425	19.104	ng	# 97
90) Benzo(a)pyrene	24.539	252	85955	10.156	ng	98
92) Benzo(g,h,i)perylene	29.656	276	65035	6.286	ng	# 93

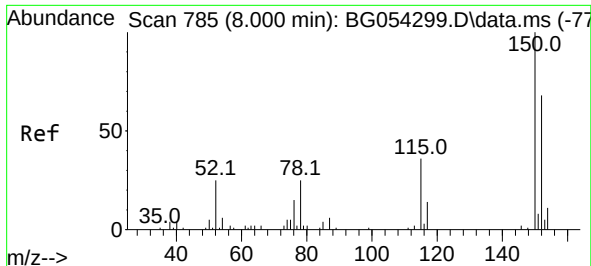
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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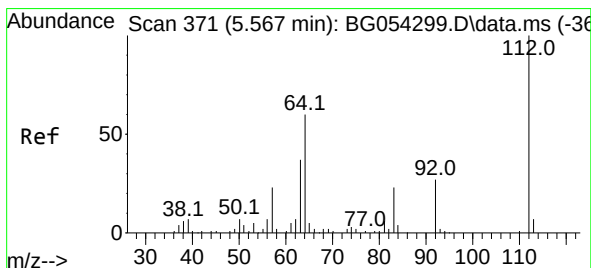
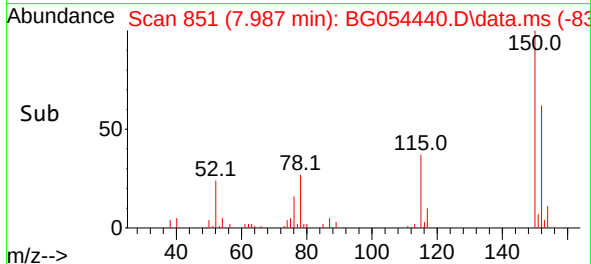
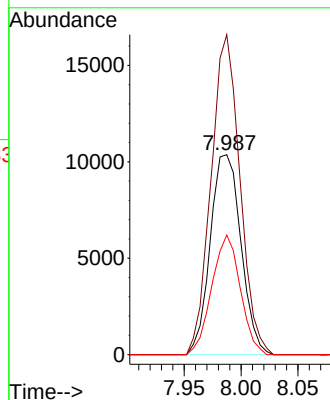
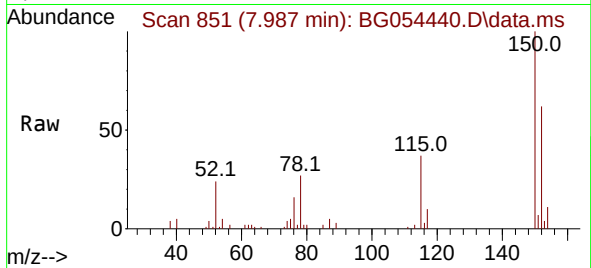




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

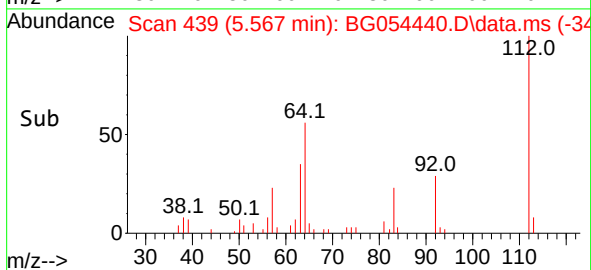
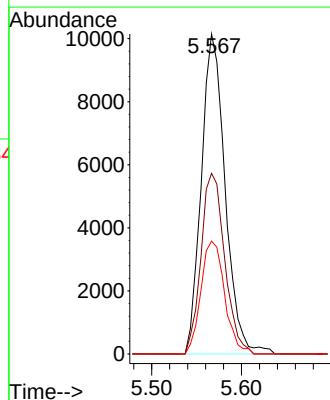
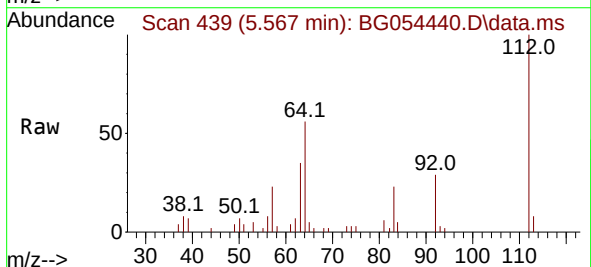
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

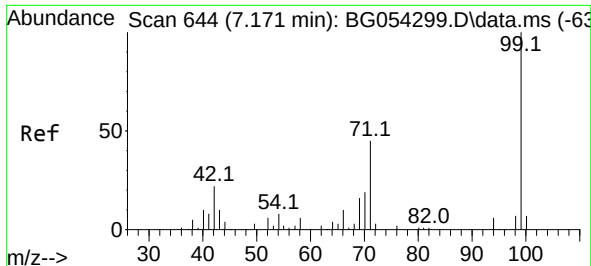
Tgt Ion:152 Resp: 19465
Ion Ratio Lower Upper
152 100
150 160.0 131.6 197.4
115 59.8 50.9 76.3



#5
2-Fluorophenol
Concen: 20.024 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:112 Resp: 18668
Ion Ratio Lower Upper
112 100
64 56.4 55.1 82.7
63 35.2 30.4 45.6

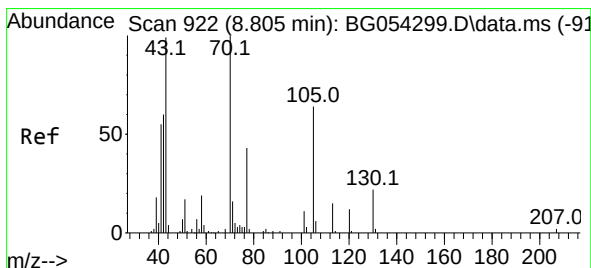
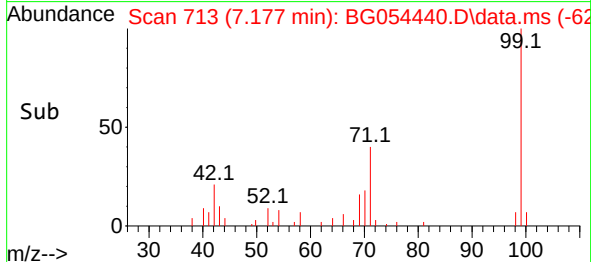
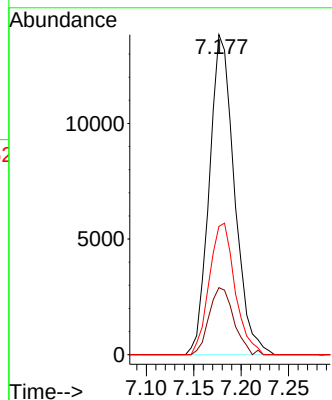
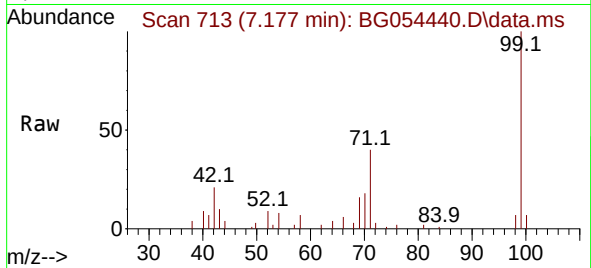




#7
Phenol-d6
Concen: 19.958 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

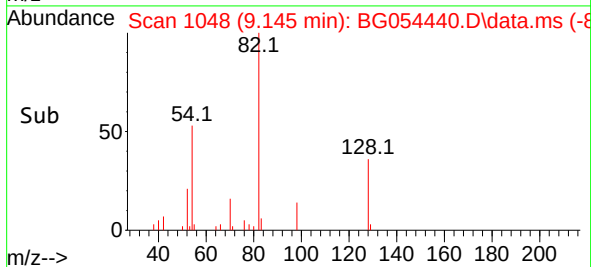
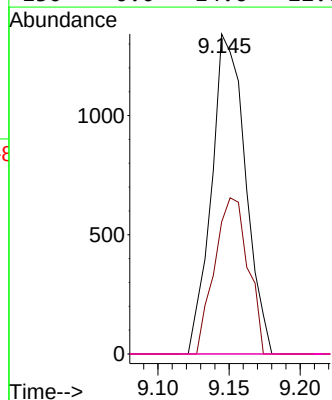
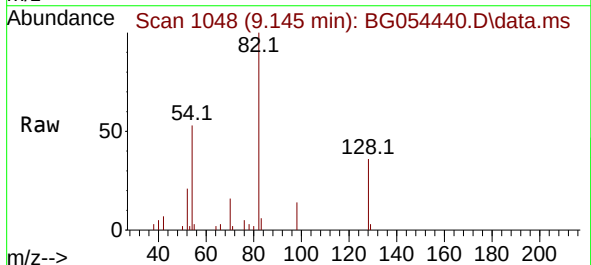
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

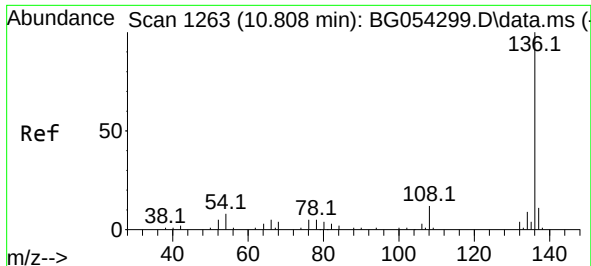
Tgt Ion: 99 Resp: 25496
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 40.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.608 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.351 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion: 70 Resp: 2225
Ion Ratio Lower Upper
70 100
42 41.3 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

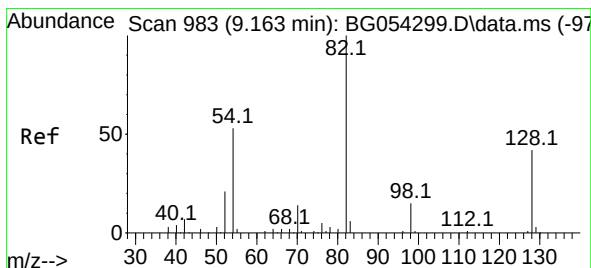
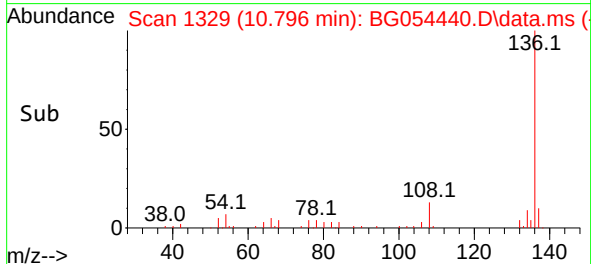
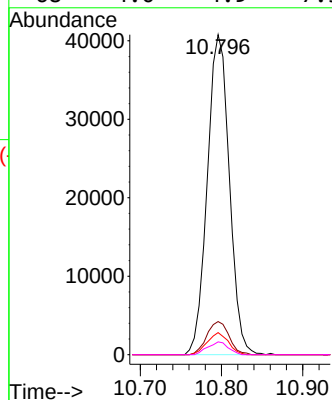
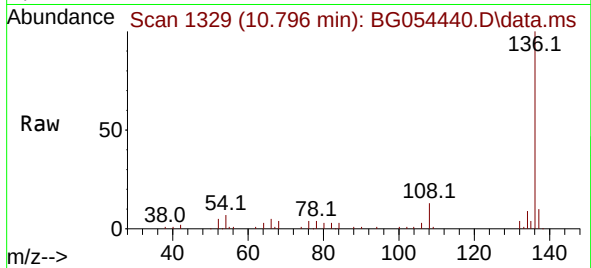




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

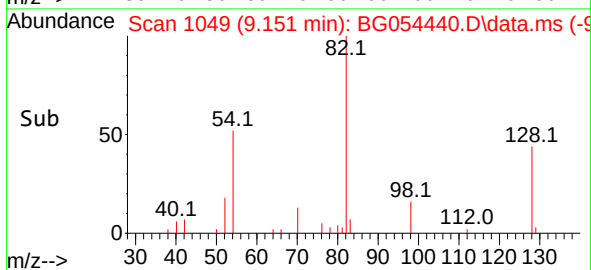
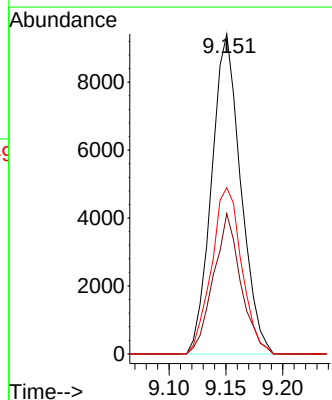
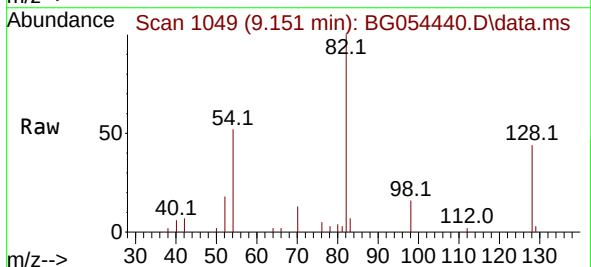
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

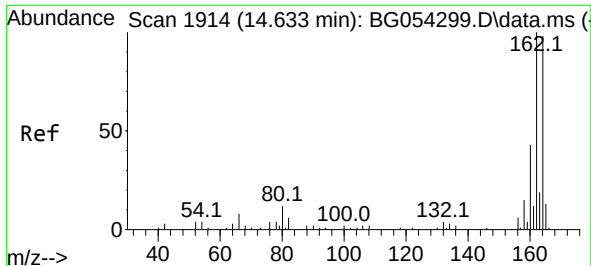
Tgt Ion:	136	Resp:	76827
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	6.9	7.4	11.2#
68	4.0	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 11.873 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

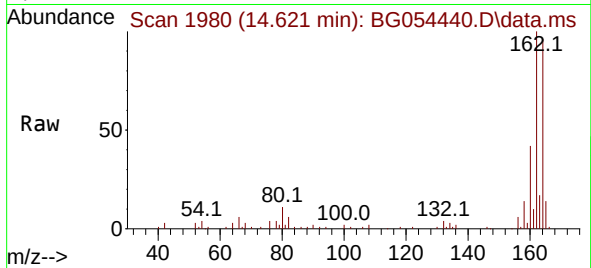
Tgt Ion:	82	Resp:	16750
Ion	Ratio	Lower	Upper
82	100		
128	43.8	27.9	41.9#
54	52.0	41.2	61.8



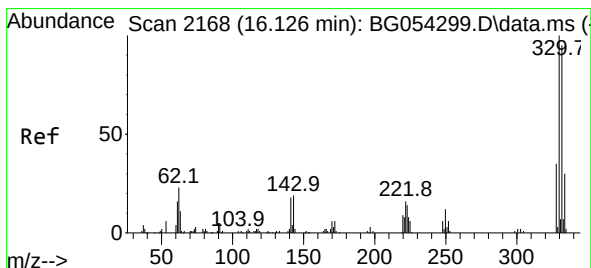
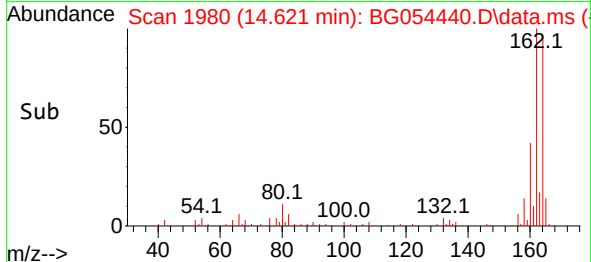
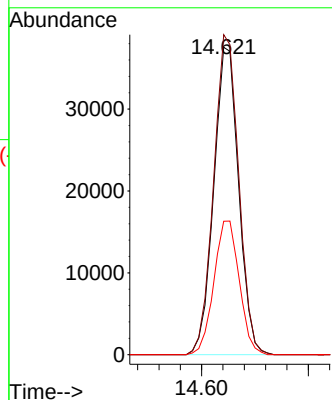


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

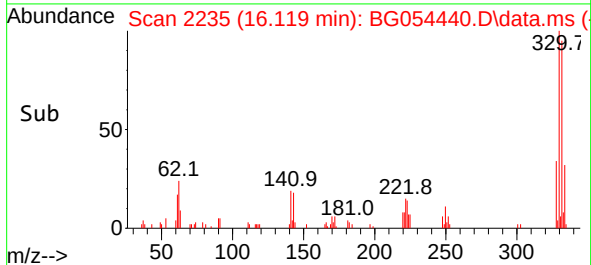
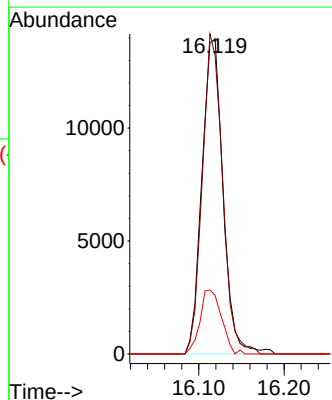
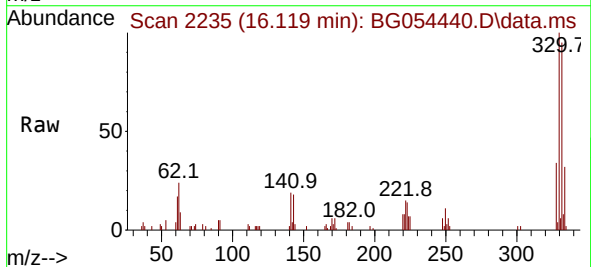


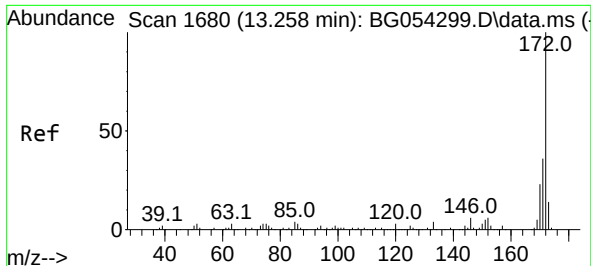
Tgt Ion:164 Resp: 60800
Ion Ratio Lower Upper
164 100
162 104.1 82.3 123.5
160 43.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 18.800 ng
RT: 16.119 min Scan# 2235
Delta R.T. 0.005 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:330 Resp: 23999
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 20.6 27.1 40.7#

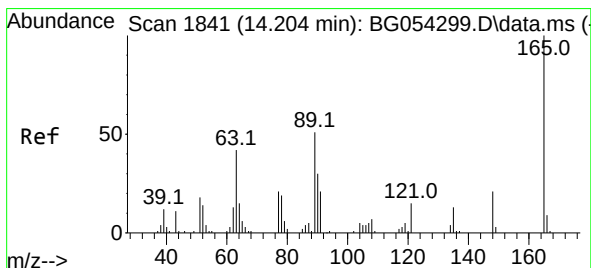
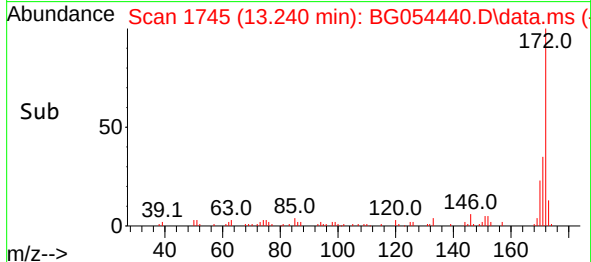
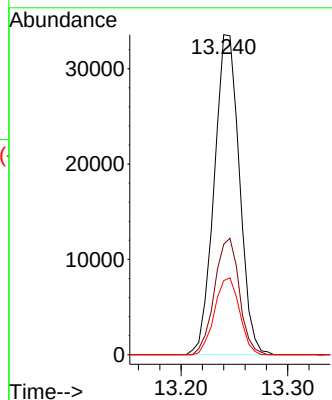
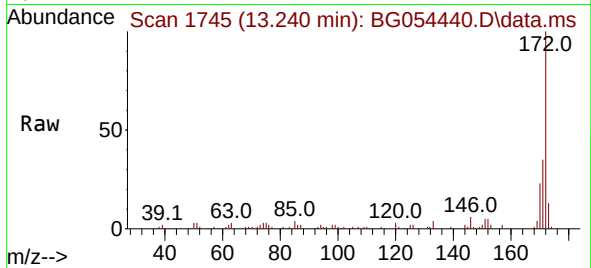




#45
2-Fluorobiphenyl
Concen: 12.796 ng
RT: 13.240 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

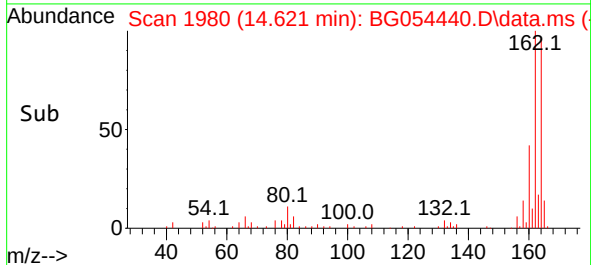
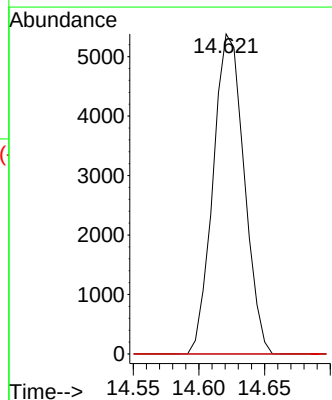
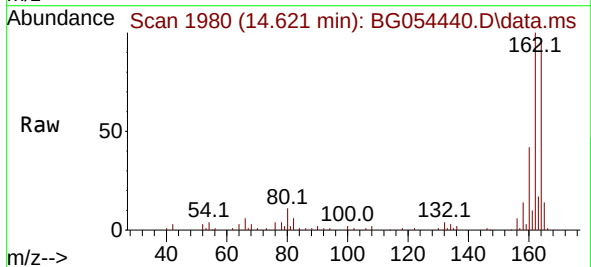
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

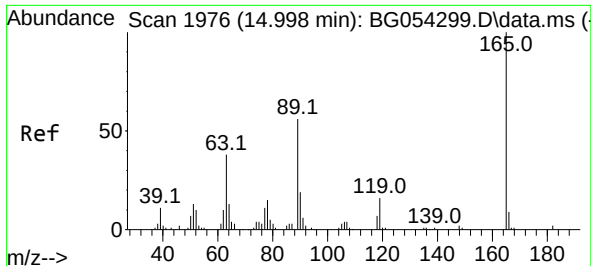
Tgt Ion:172 Resp: 55151
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 23.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.506 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:165 Resp: 8860
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

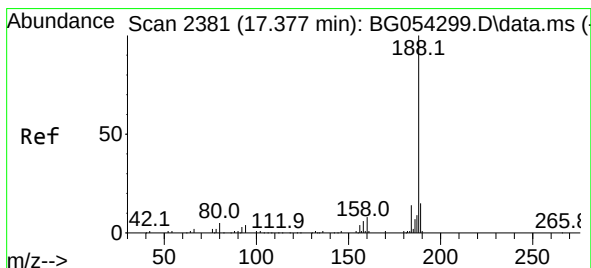
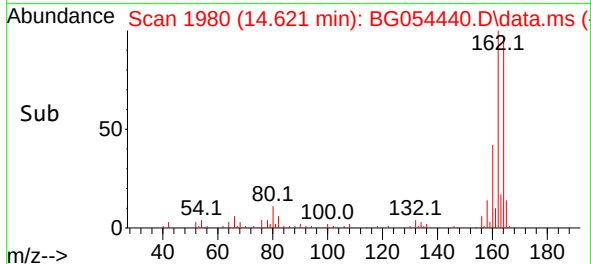
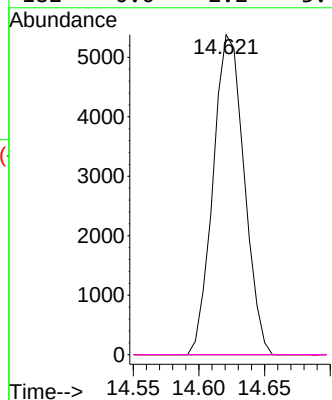
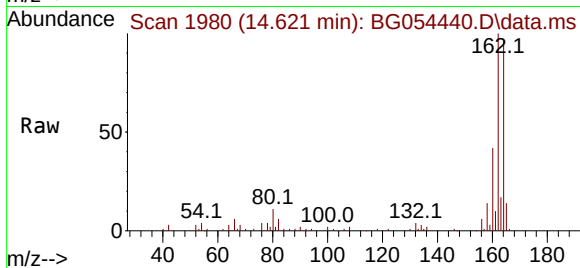




#57
2,4-Dinitrotoluene
Concen: 5.933 ng
RT: 14.621 min Scan# 14
Delta R.T. -0.371 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

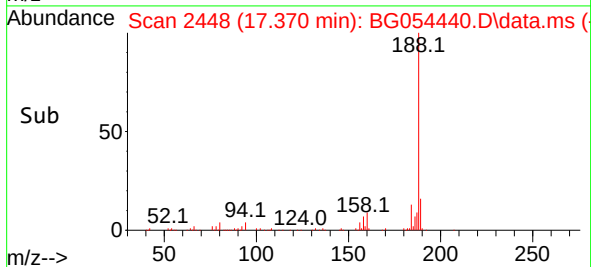
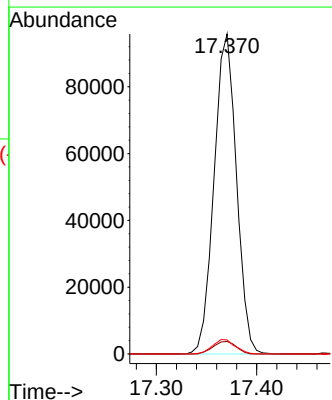
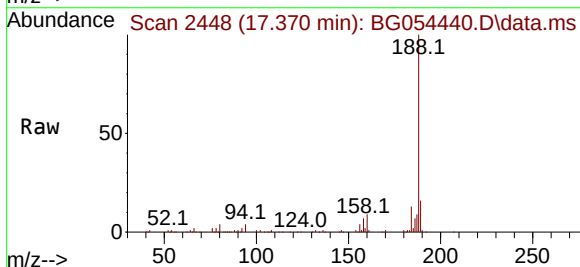
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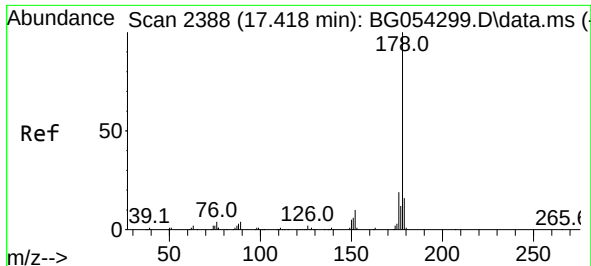
Tgt Ion:165 Resp: 8860
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:188 Resp: 148074
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0#
80 4.4 6.8 10.2#

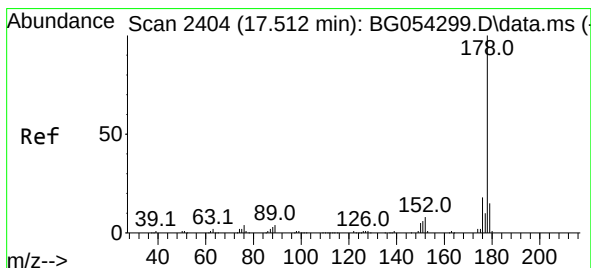
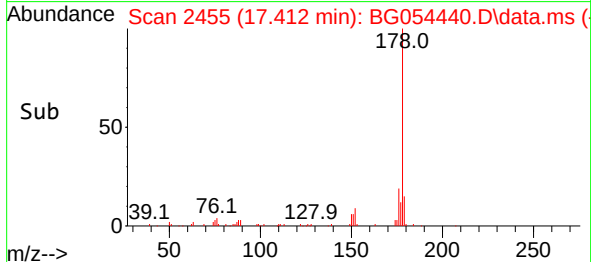
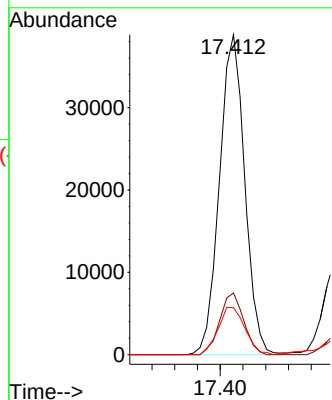
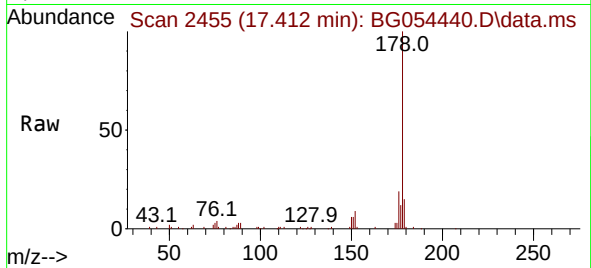




#71
Phenanthrene
Concen: 8.117 ng
RT: 17.412 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

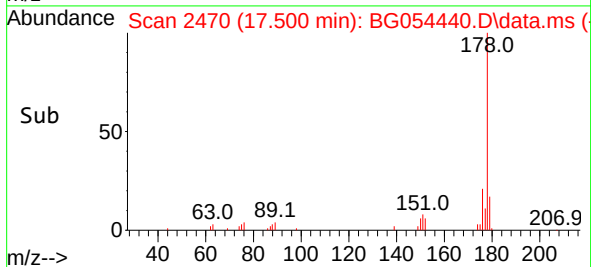
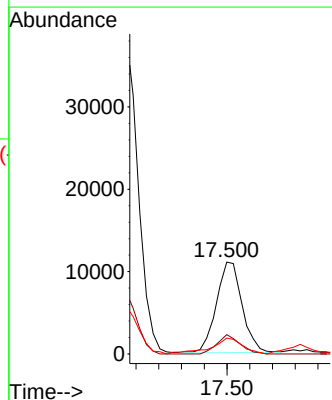
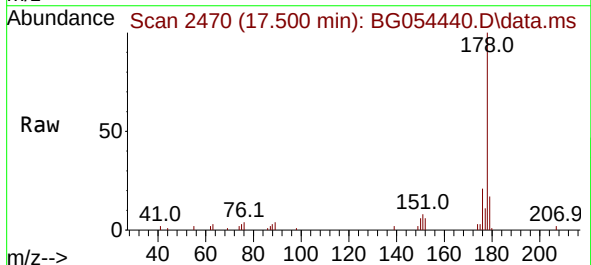
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

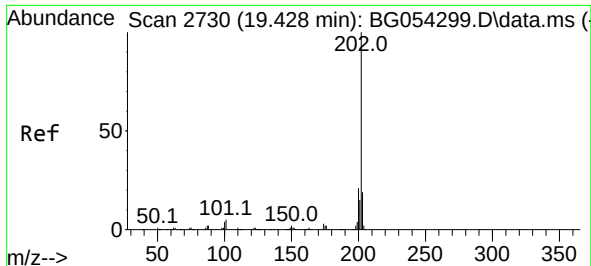
Tgt Ion:178 Resp: 59854
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 14.7 12.1 18.1



#72
Anthracene
Concen: 2.393 ng
RT: 17.500 min Scan# 2470
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:178 Resp: 17318
Ion Ratio Lower Upper
178 100
176 21.1 15.2 22.8
179 17.3 13.0 19.4

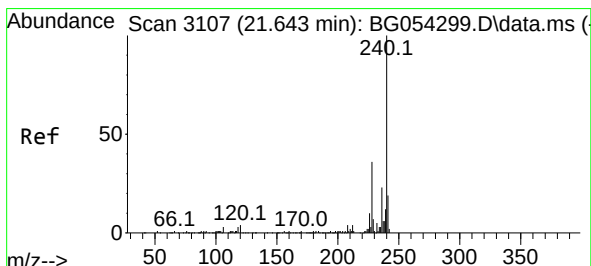
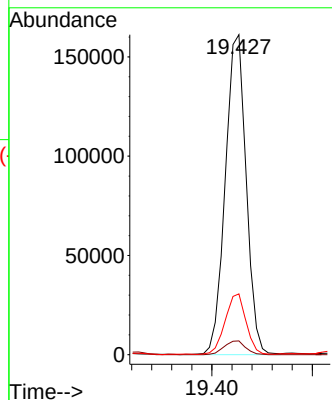
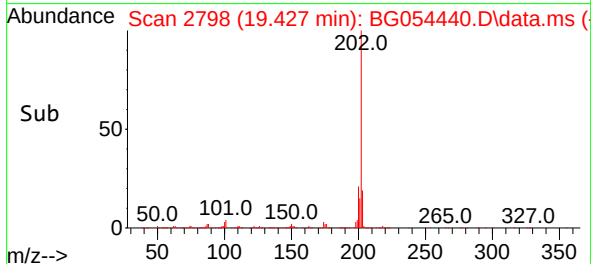
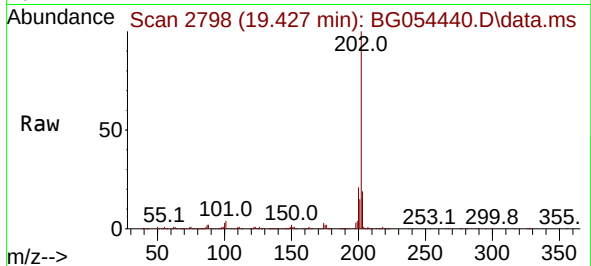




#75
Fluoranthene
Concen: 23.206 ng
RT: 19.427 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

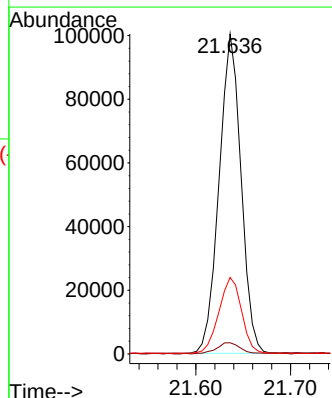
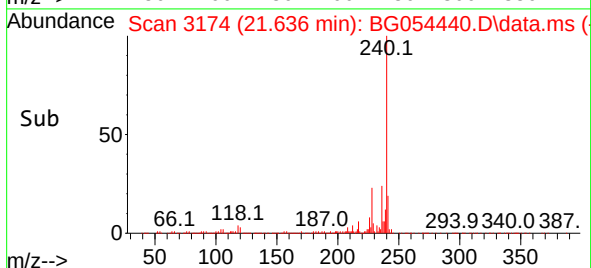
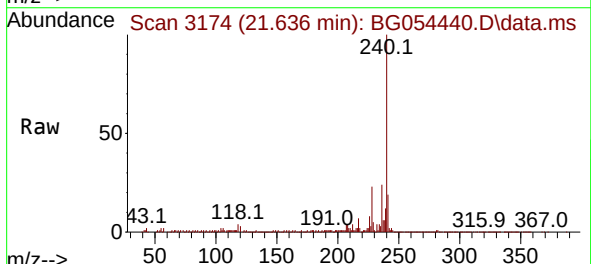
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

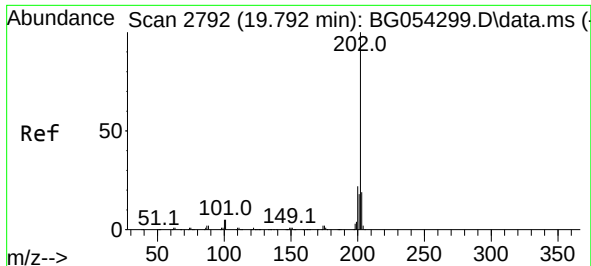
Tgt Ion:202 Resp: 233264
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 19.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:240 Resp: 161291
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 23.9 20.2 30.4

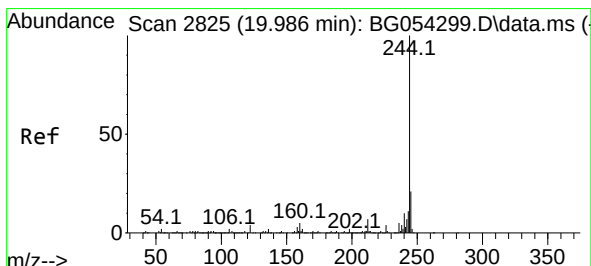
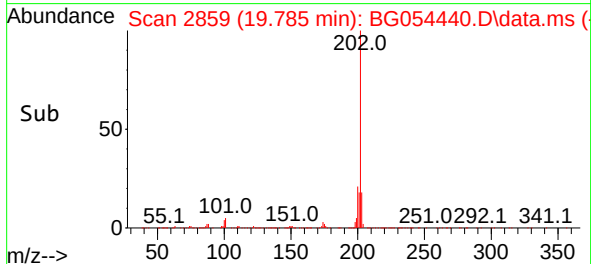
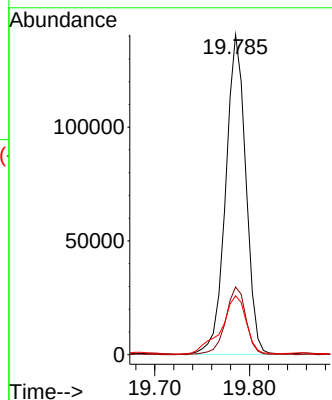
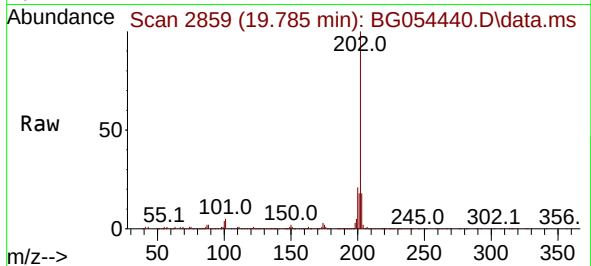




#78
Pyrene
Concen: 22.426 ng
RT: 19.785 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

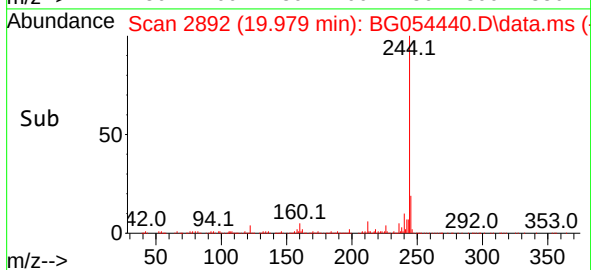
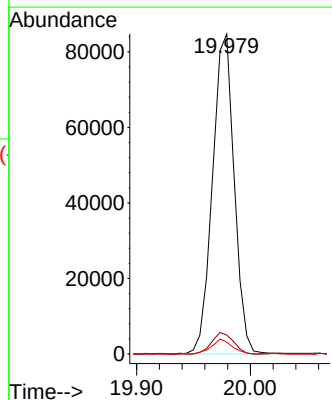
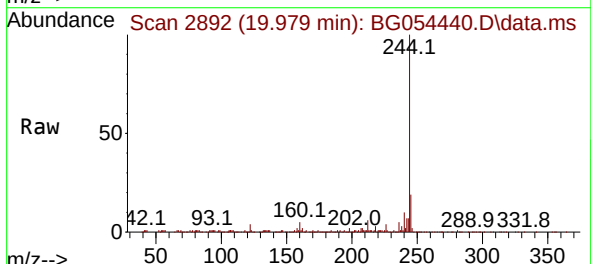
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

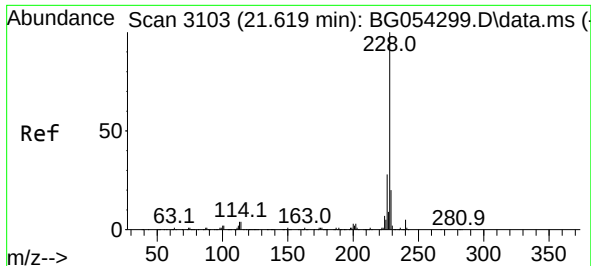
Tgt Ion:202 Resp: 207551
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.4 14.6 21.8



#79
Terphenyl-d14
Concen: 13.822 ng
RT: 19.979 min Scan# 2892
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:244 Resp: 112378
Ion Ratio Lower Upper
244 100
212 5.9 6.5 9.7#
122 3.7 5.0 7.4#

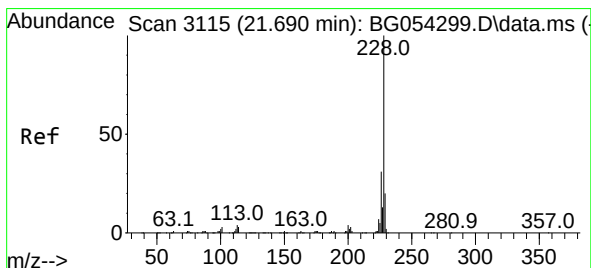
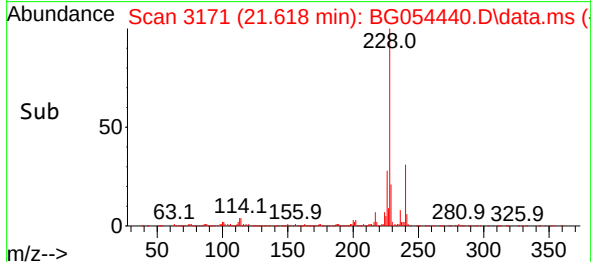
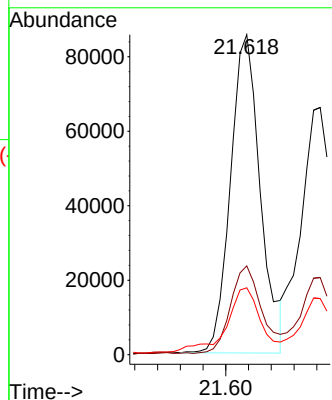
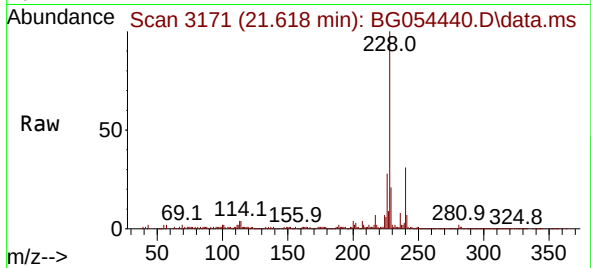




#81
Benzo(a)anthracene
Concen: 15.165 ng
RT: 21.618 min Scan# 3103
Delta R.T. 0.005 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

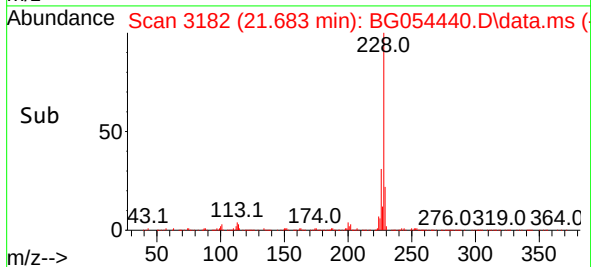
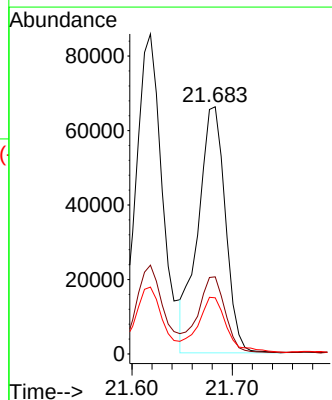
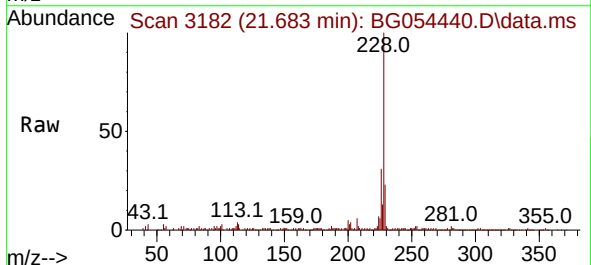
Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

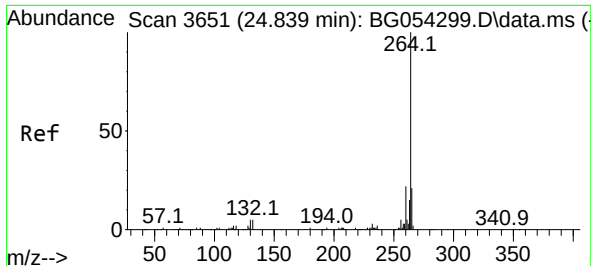
Tgt Ion:228 Resp: 155271
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.9 16.2 24.2



#83
Chrysene
Concen: 13.009 ng
RT: 21.683 min Scan# 3182
Delta R.T. -0.001 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:228 Resp: 125841
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 22.7 15.5 23.3

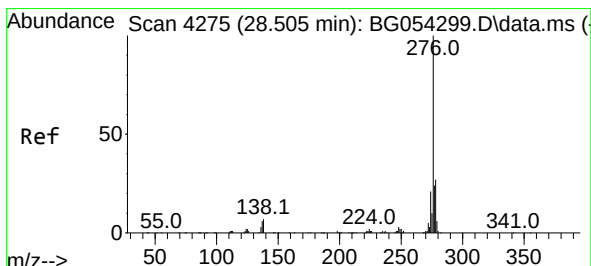
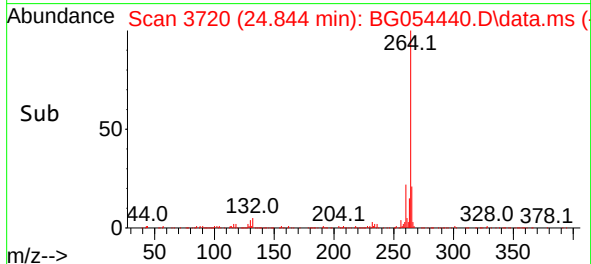
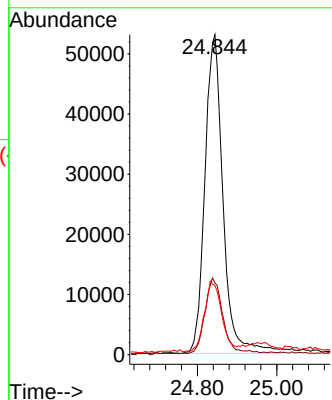
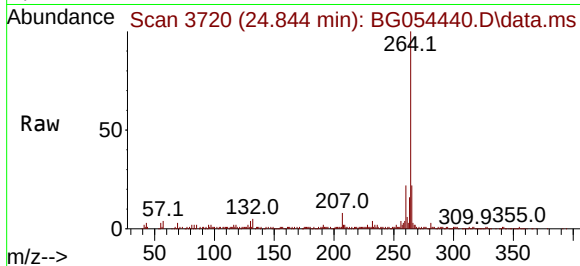




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.844 min Scan# 31
 Delta R.T. 0.011 min
 Lab File: BG054440.D
 Acq: 28 Jul 2022 20:41

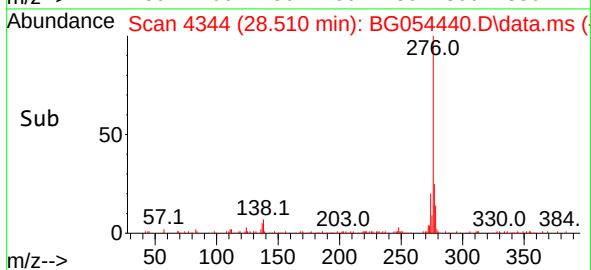
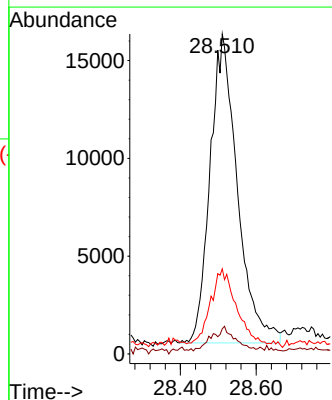
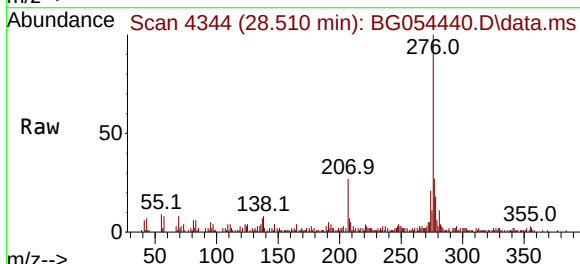
Instrument :
 BNA_G
 ClientSampleId :
 NB-7-7-26-22DL

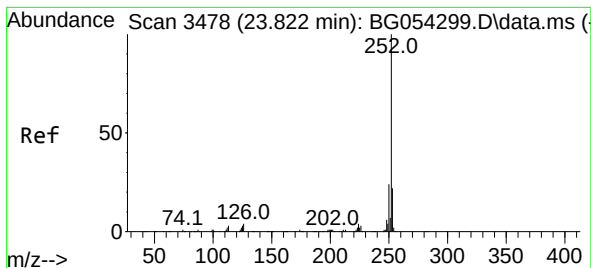
Tgt Ion:264 Resp: 167579
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.0 28.6
 265 21.6 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.183 ng
 RT: 28.510 min Scan# 4344
 Delta R.T. -0.007 min
 Lab File: BG054440.D
 Acq: 28 Jul 2022 20:41

Tgt Ion:276 Resp: 78828
 Ion Ratio Lower Upper
 276 100
 138 6.9 5.0 7.4
 277 22.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 19.013 ng

RT: 23.828 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG054440.D

Acq: 28 Jul 2022 20:41

Instrument :

BNA_G

ClientSampleId :

NB-7-7-26-22DL

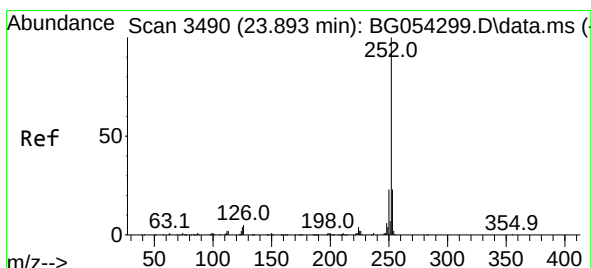
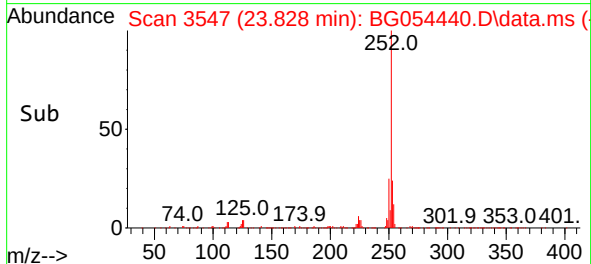
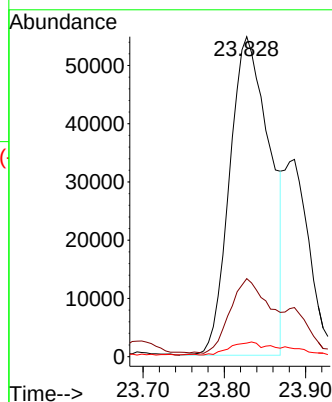
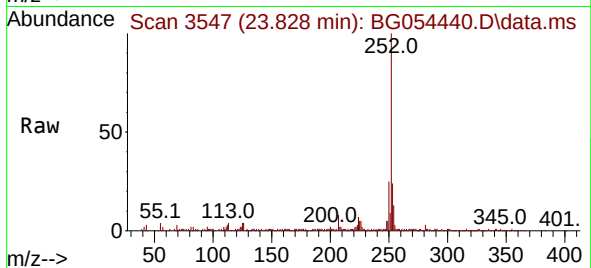
Tgt Ion:252 Resp: 188425

Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 4.3 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 19.104 ng

RT: 23.828 min Scan# 3547

Delta R.T. -0.060 min

Lab File: BG054440.D

Acq: 28 Jul 2022 20:41

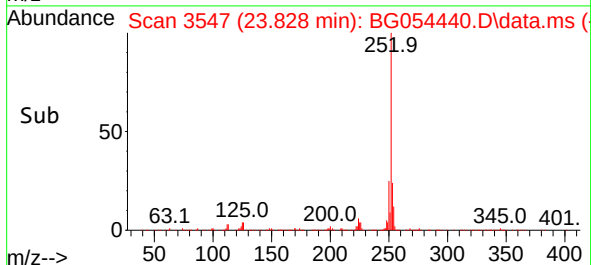
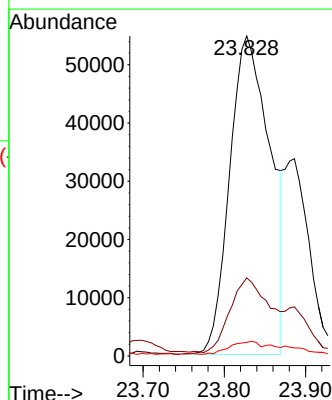
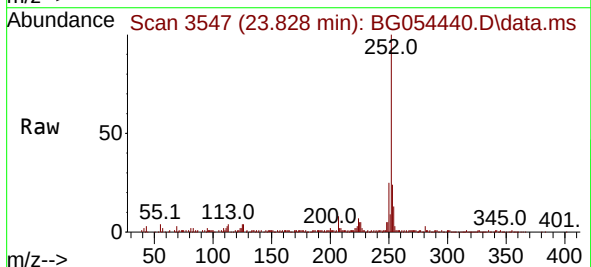
Tgt Ion:252 Resp: 188425

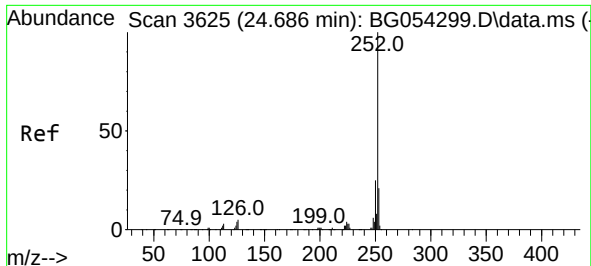
Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

125 4.3 4.8 7.2#

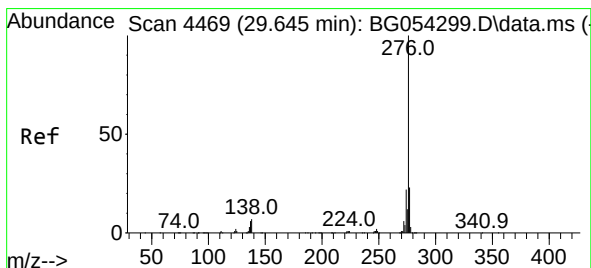
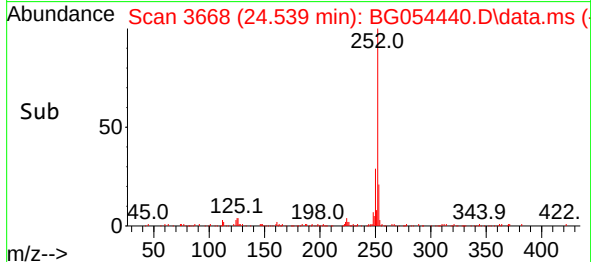
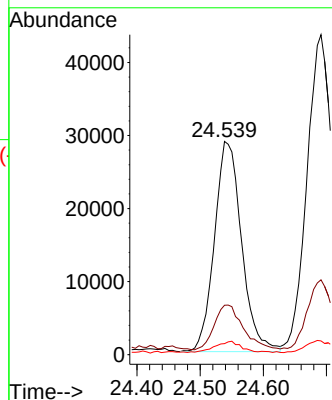
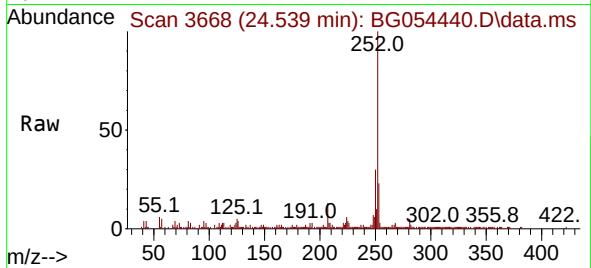




#90
Benzo(a)pyrene
Concen: 10.156 ng
RT: 24.539 min Scan# 30
Delta R.T. -0.148 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Instrument :
BNA_G
ClientSampleId :
NB-7-7-26-22DL

Tgt Ion:252 Resp: 85955
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 5.2 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 6.286 ng
RT: 29.656 min Scan# 4539
Delta R.T. -0.007 min
Lab File: BG054440.D
Acq: 28 Jul 2022 20:41

Tgt Ion:276 Resp: 65035
Ion Ratio Lower Upper
276 100
277 24.1 17.3 25.9
138 7.5 9.6 14.4#

