

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111022\
 Data File : BG055544.D
 Acq On : 10 Nov 2022 18:11
 Operator : CG/JU
 Sample : N5494-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Nov 11 02:01:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

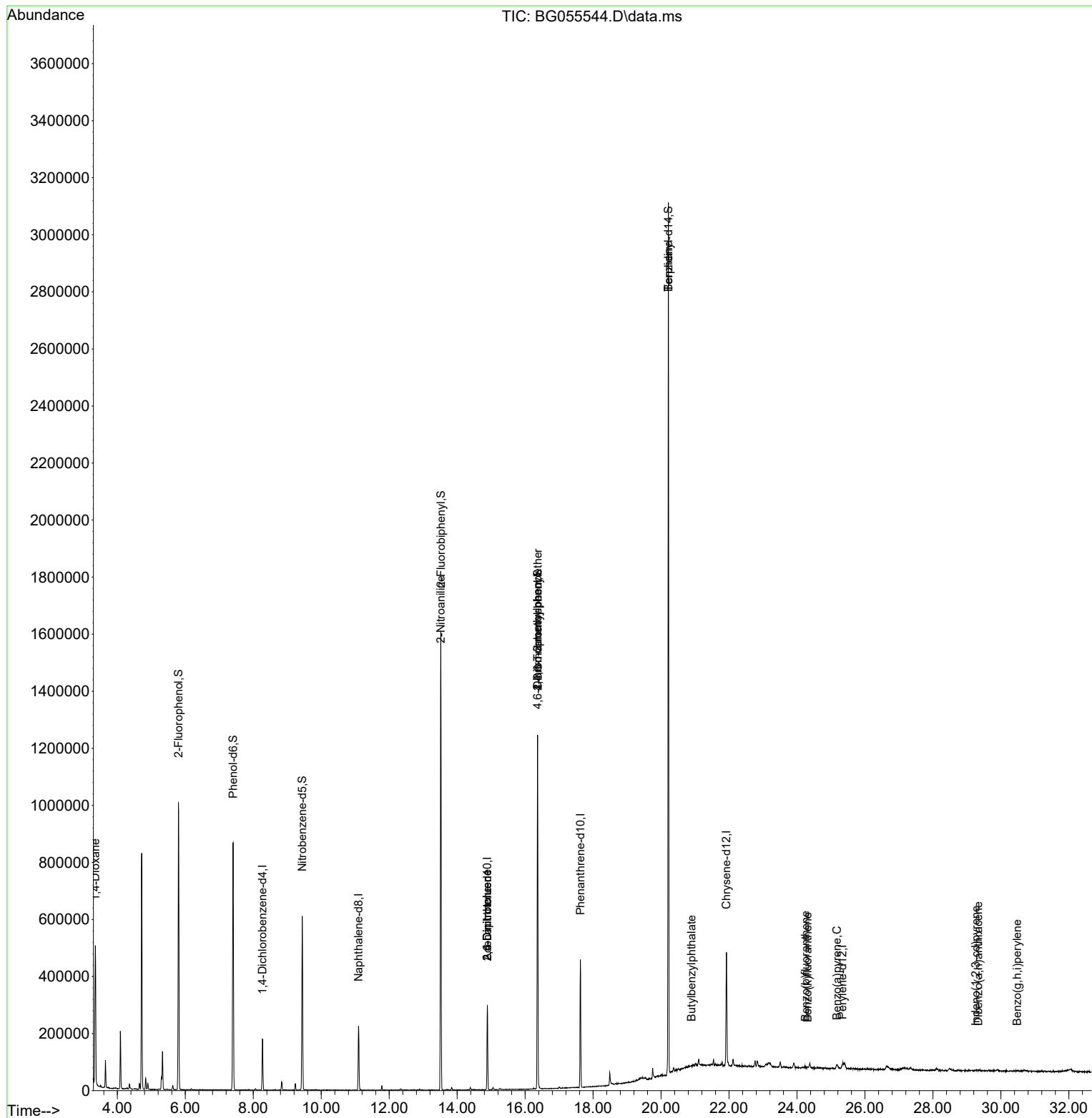
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	48866	20.000	ng	0.00
21) Naphthalene-d8	11.097	136	185932	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	94920	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	285006	20.000	ng	0.00
76) Chrysene-d12	21.919	240	201282	20.000	ng	#-0.01
86) Perylene-d12	25.333	264	10971	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	421322	164.225	ng	0.00
7) Phenol-d6	7.407	99	460259	129.876	ng	0.00
23) Nitrobenzene-d5	9.440	82	349572	127.456	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	236854	255.744	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	803329	127.659	ng	0.00
79) Terphenyl-d14	20.215	244	1435278	143.224	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.353	88	5003	3.839	ng	# 1
48) 2-Nitroaniline	13.511	65	1461	4.761	ng	# 4
51) 2,6-Dinitrotoluene	14.886	165	11865	11.896	ng	# 24
57) 2,4-Dinitrotoluene	14.886	165	11865	10.173	ng	# 25
65) 4,6-Dinitro-2-methylph...	16.361	198	779	3.030	ng	# 1
67) 4-Bromophenyl-phenylether	16.367	248	15308	5.265	ng	# 1
77) Benzidine	20.215	184	25375	4.660	ng	# 94
80) Butylbenzylphthalate	20.891	149	678	3.486	ng	# 68
87) Indeno(1,2,3-cd)pyrene	29.258	276	2582	3.090	ng	# 98
88) Benzo(b)fluoranthene	24.246	252	5422	7.800	ng	# 86
89) Benzo(k)fluoranthene	24.310	252	4117	5.793	ng	# 71
90) Benzo(a)pyrene	25.174	252	3049	5.092	ng	# 60
91) Dibenzo(a,h)anthracene	29.328	278	6182	8.938	ng	# 88
92) Benzo(g,h,i)perylene	30.480	276	3793	5.610	ng	# 65

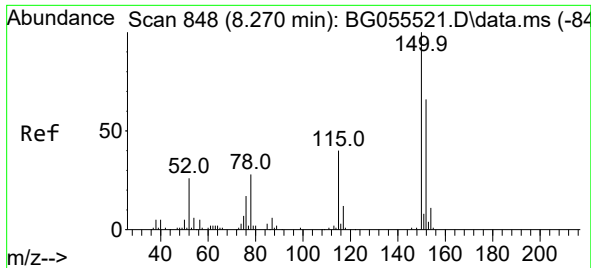
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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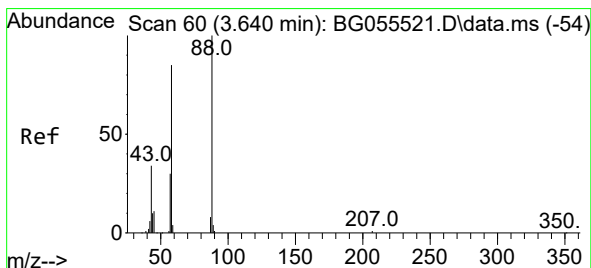
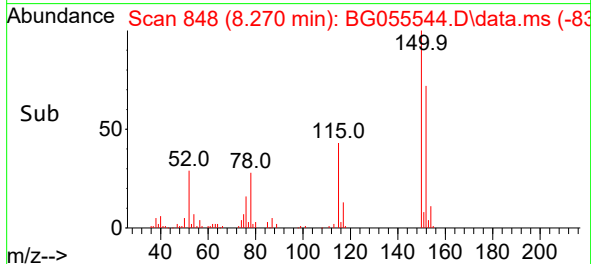
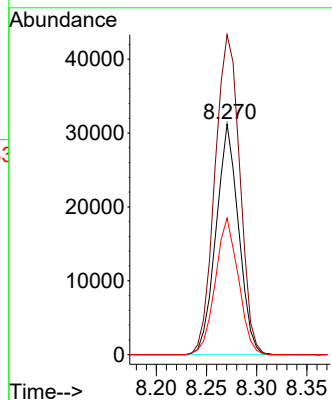
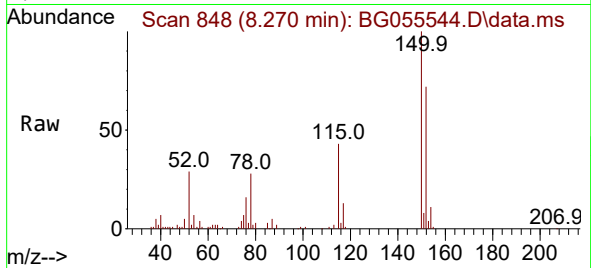




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.270 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: BG055544.D
 Acq: 10 Nov 2022 18:11

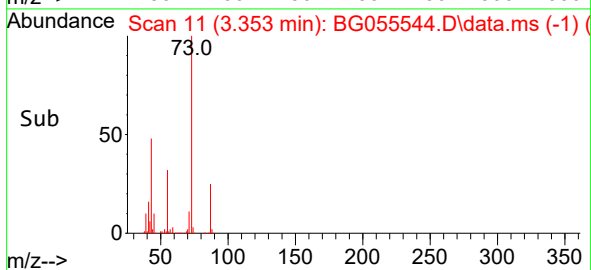
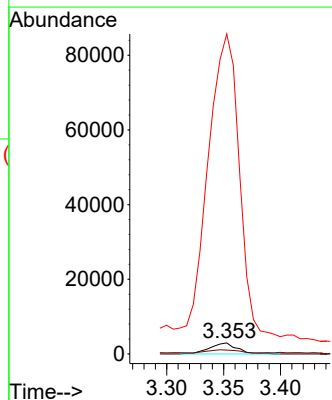
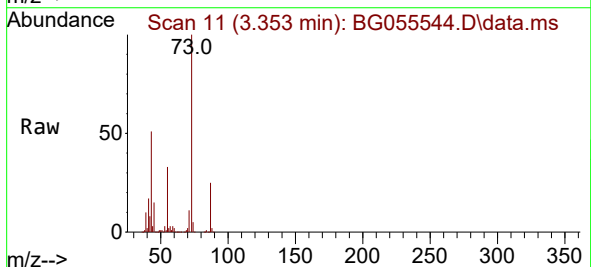
Instrument :
 BNA_G
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 TP-4

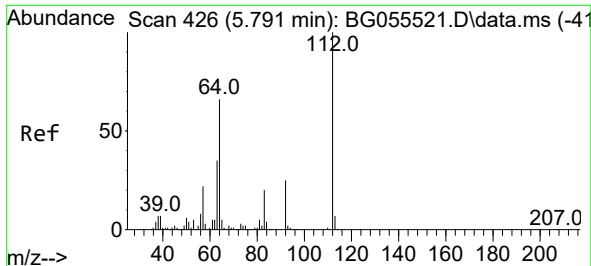
Tgt Ion:152 Resp: 48866
 Ion Ratio Lower Upper
 152 100
 150 138.7 121.0 181.4
 115 59.2 47.8 71.8



#2
 1,4-Dioxane
 Concen: 3.839 ng
 RT: 3.353 min Scan# 11
 Delta R.T. -0.287 min
 Lab File: BG055544.D
 Acq: 10 Nov 2022 18:11

Tgt Ion: 88 Resp: 5003
 Ion Ratio Lower Upper
 88 100
 58 33.3 68.9 103.3#
 43 3256.2 27.1 40.7#

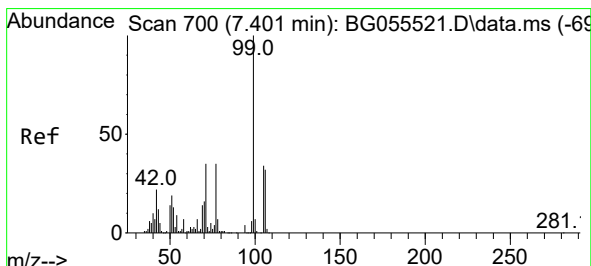
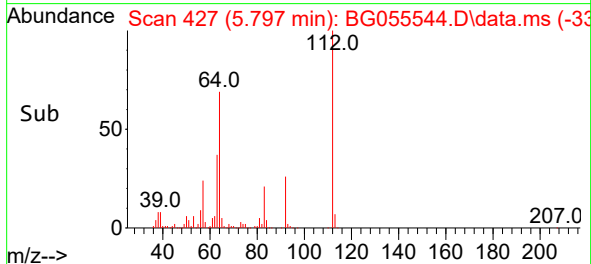
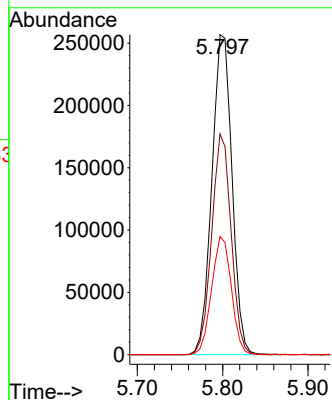
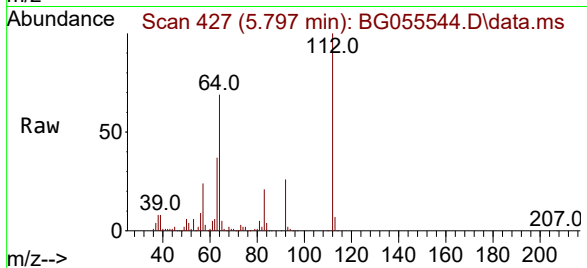




#5
2-Fluorophenol
Concen: 164.225 ng
RT: 5.797 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

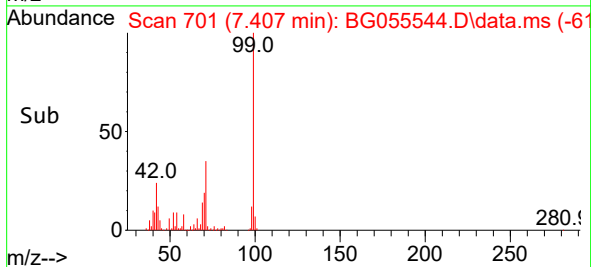
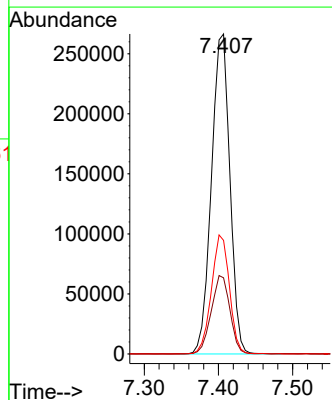
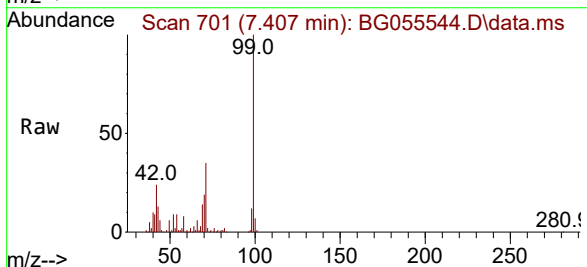
Instrument :
BNA_G
ClientSampleId :
TP-4

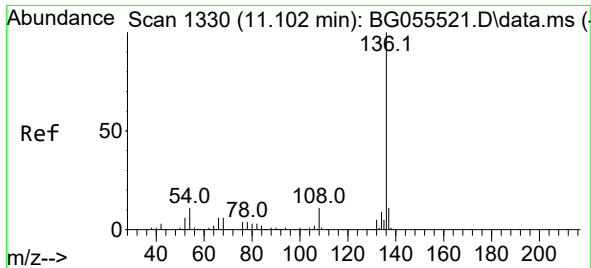
Tgt Ion:112 Resp: 421322
Ion Ratio Lower Upper
112 100
64 69.0 52.6 78.8
63 37.0 28.3 42.5



#7
Phenol-d6
Concen: 129.876 ng
RT: 7.407 min Scan# 701
Delta R.T. 0.006 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion: 99 Resp: 460259
Ion Ratio Lower Upper
99 100
42 23.8 17.5 26.3
71 35.5 28.3 42.5

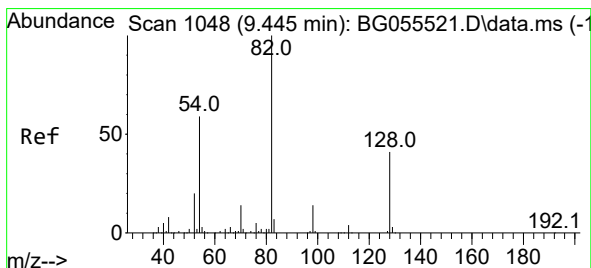
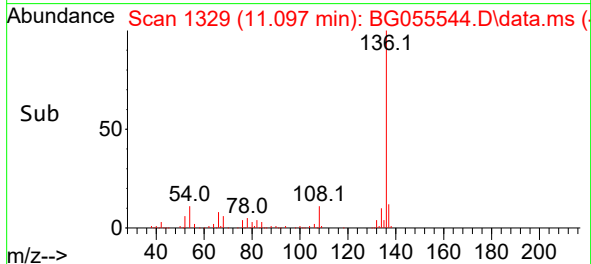
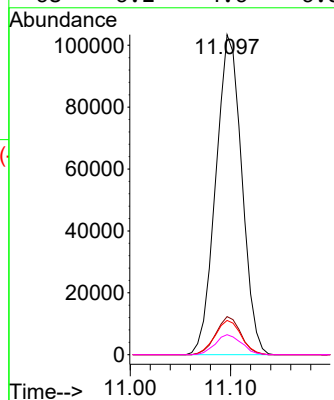
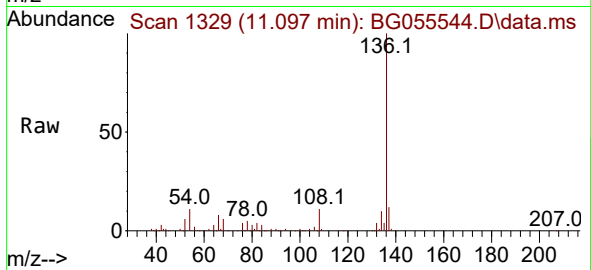




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

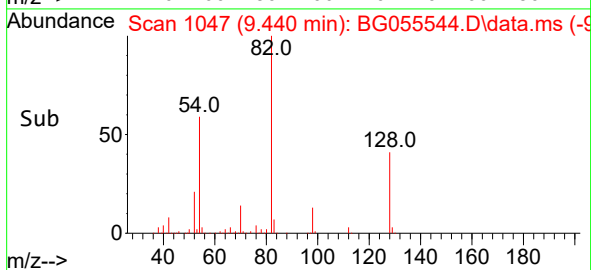
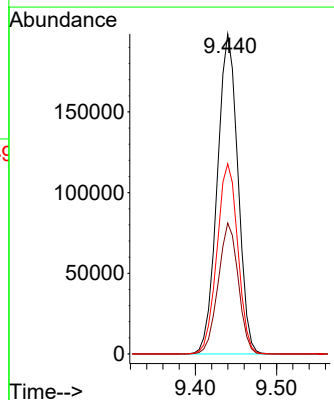
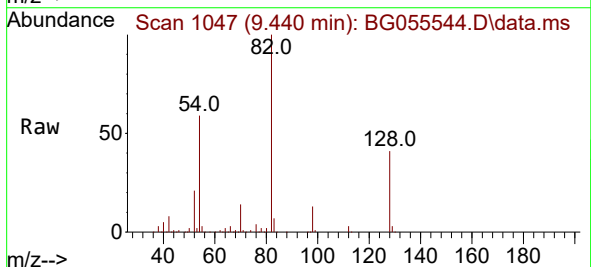
Instrument :
BNA_G
ClientSampleId :
TP-4

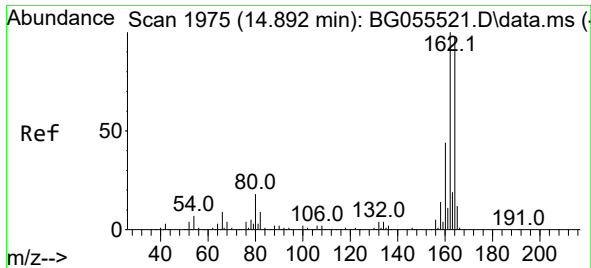
Tgt Ion:	136	Resp:	185932
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.6	12.8
54	10.7	8.6	12.8
68	6.2	4.6	6.8



#23
Nitrobenzene-d5
Concen: 127.456 ng
RT: 9.440 min Scan# 1047
Delta R.T. -0.005 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:	82	Resp:	349572
Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.6	49.0
54	59.5	47.3	70.9

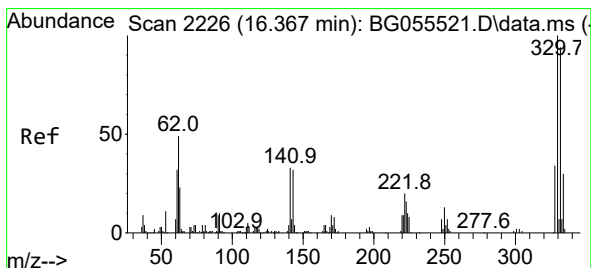
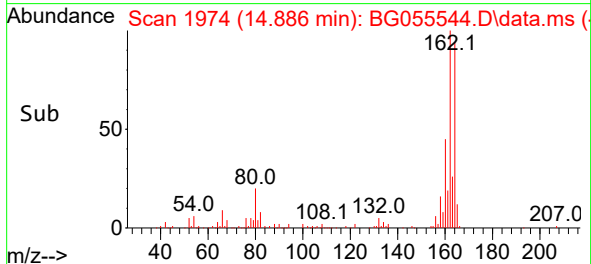
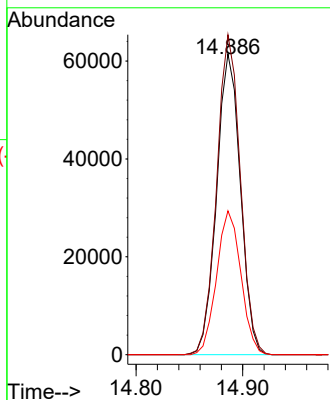
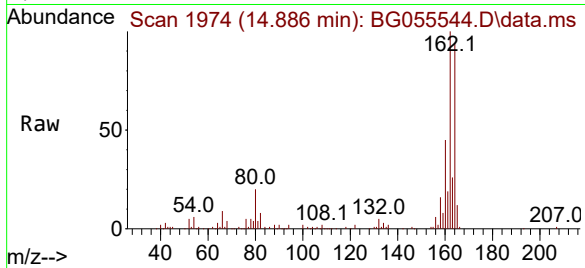




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

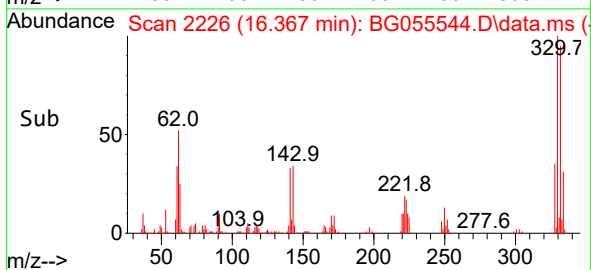
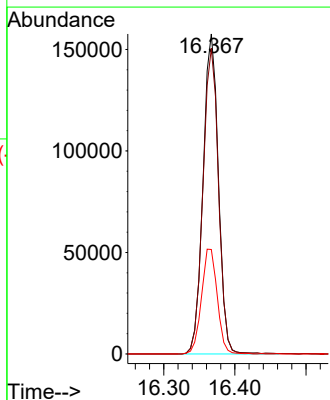
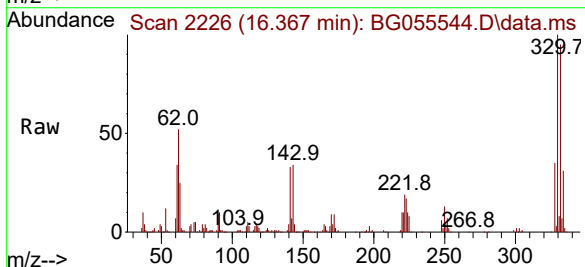
Instrument :
BNA_G
ClientSampleId :
TP-4

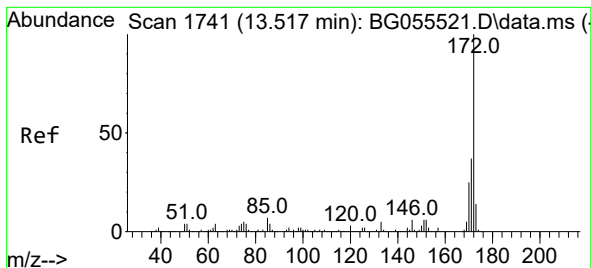
Tgt Ion:164 Resp: 94920
Ion Ratio Lower Upper
164 100
162 106.4 81.3 121.9
160 47.9 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 255.744 ng
RT: 16.367 min Scan# 2226
Delta R.T. -0.000 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:330 Resp: 236854
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 33.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 127.659 ng

RT: 13.517 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG055544.D

Acq: 10 Nov 2022 18:11

Instrument :

BNA_G

ClientSampleId :

TP-4

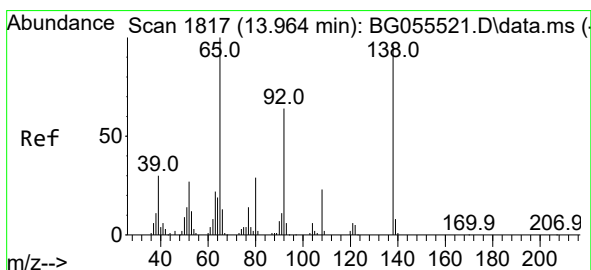
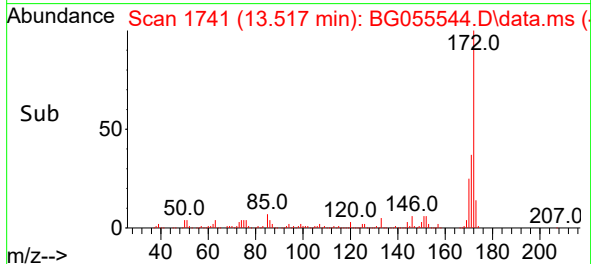
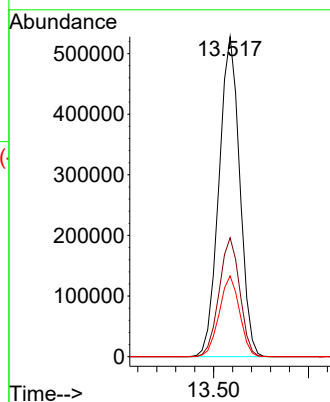
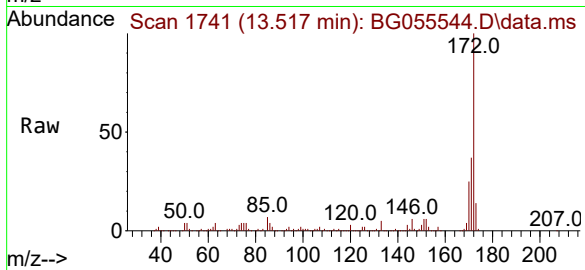
Tgt Ion:172 Resp: 803329

Ion Ratio Lower Upper

172 100

171 37.2 29.7 44.5

170 25.2 19.8 29.6



#48

2-Nitroaniline

Concen: 4.761 ng

RT: 13.511 min Scan# 1740

Delta R.T. -0.453 min

Lab File: BG055544.D

Acq: 10 Nov 2022 18:11

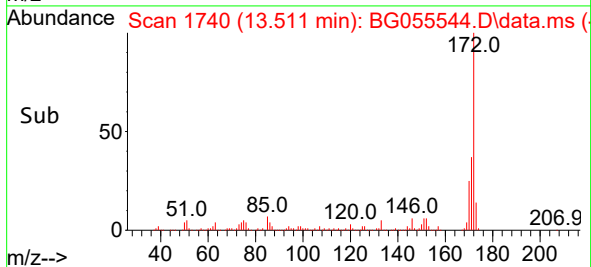
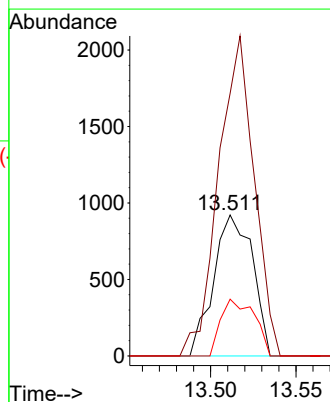
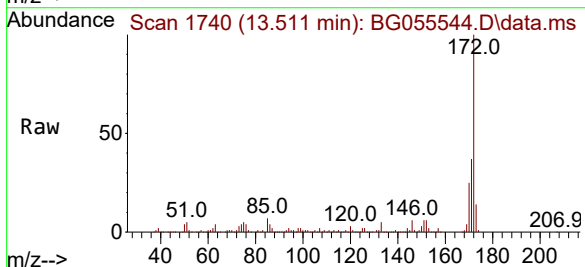
Tgt Ion: 65 Resp: 1461

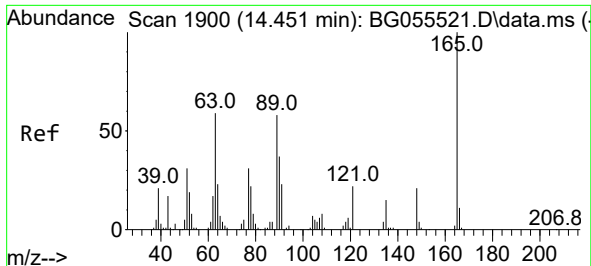
Ion Ratio Lower Upper

65 100

92 186.3 51.6 77.4#

138 40.3 77.0 115.4#

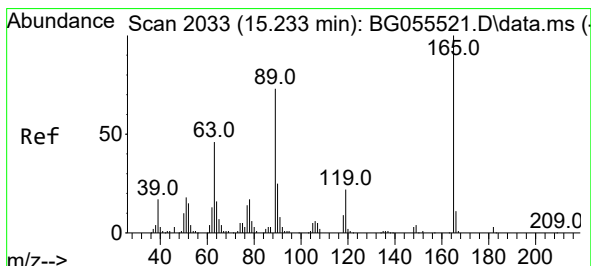
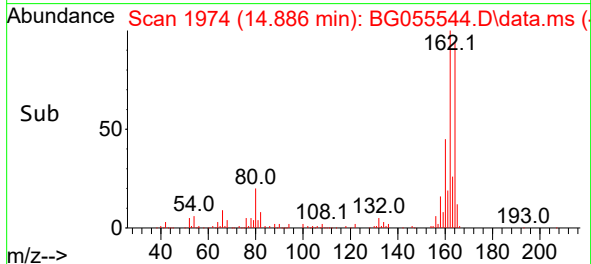
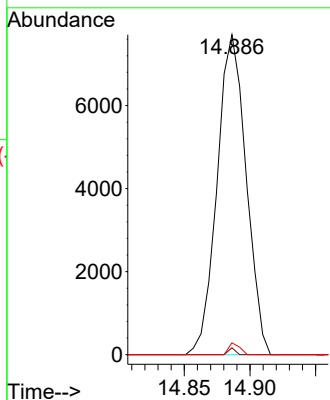
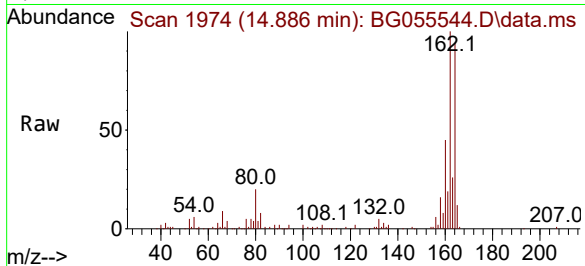




#51
2,6-Dinitrotoluene
Concen: 11.896 ng
RT: 14.886 min Scan# 1974
Delta R.T. 0.435 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

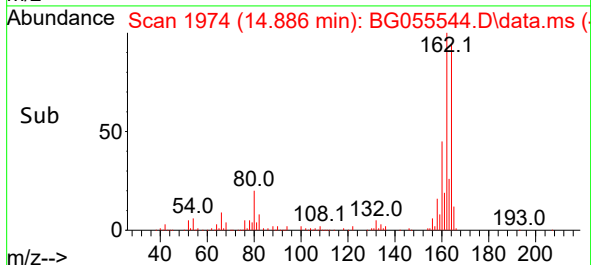
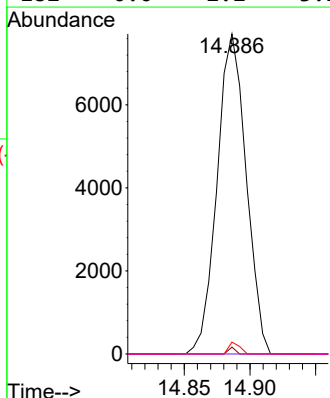
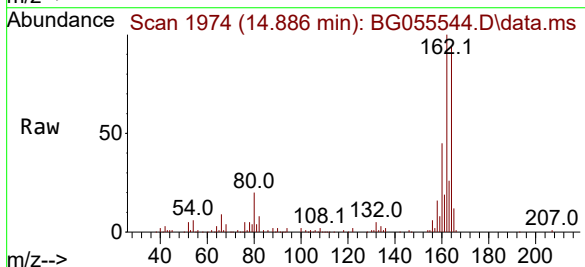
Instrument :
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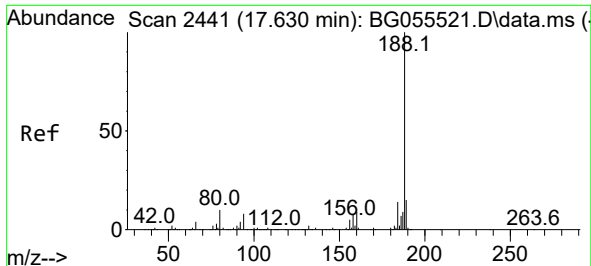
Tgt Ion:165 Resp: 11865
Ion Ratio Lower Upper
165 100
63 2.2 50.1 75.1#
89 3.7 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 10.173 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.347 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:165 Resp: 11865
Ion Ratio Lower Upper
165 100
63 2.2 37.0 55.4#
89 3.7 58.6 87.8#
182 0.0 2.2 3.2#

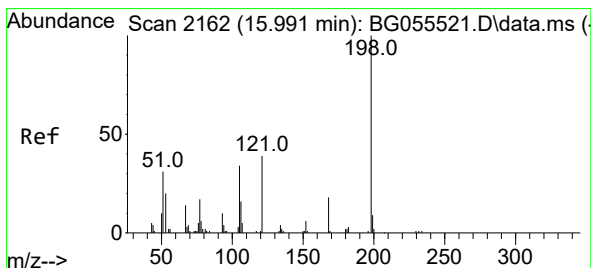
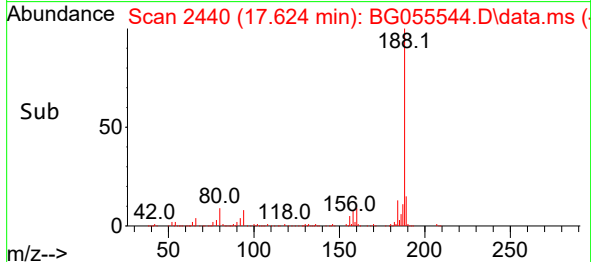
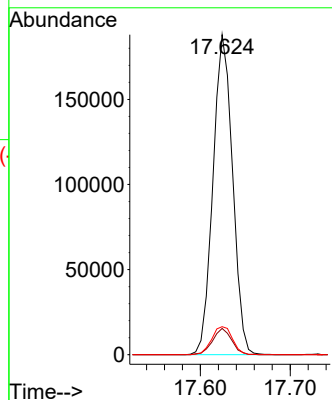
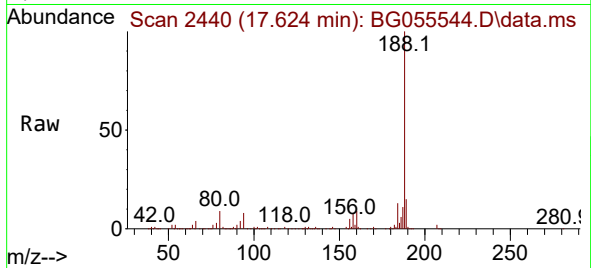




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

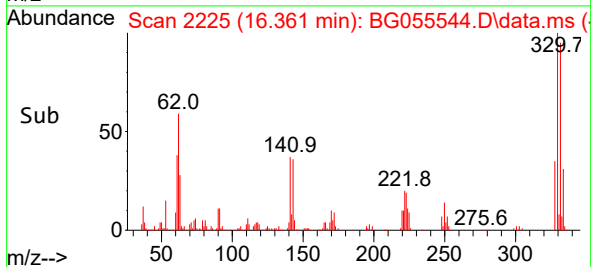
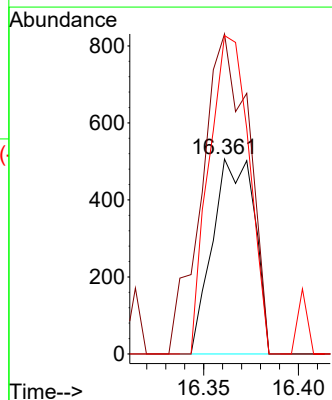
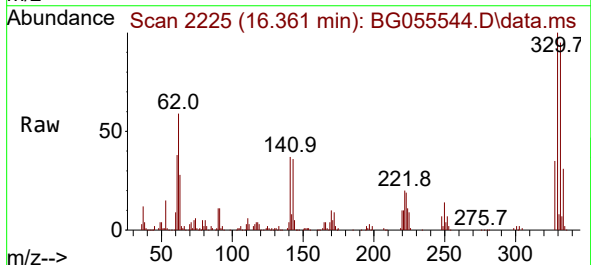
Instrument :
BNA_G
ClientSampleId :
TP-4

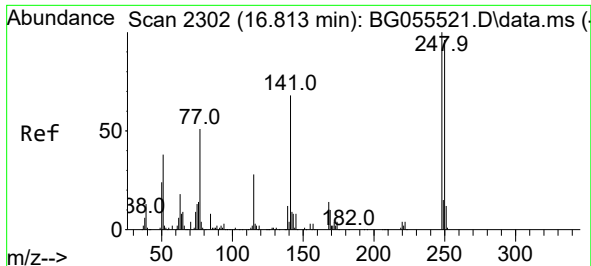
Tgt Ion:188 Resp: 285006
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.8 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 3.030 ng
RT: 16.361 min Scan# 2225
Delta R.T. 0.370 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:198 Resp: 779
Ion Ratio Lower Upper
198 100
51 164.2 24.7 64.7#
105 163.4 17.6 57.6#

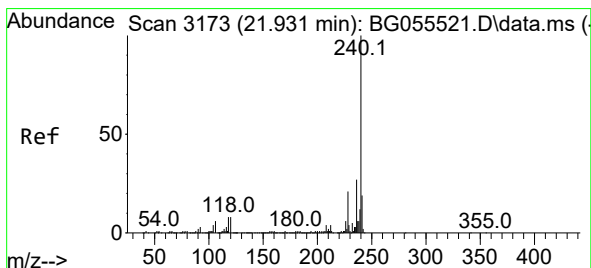
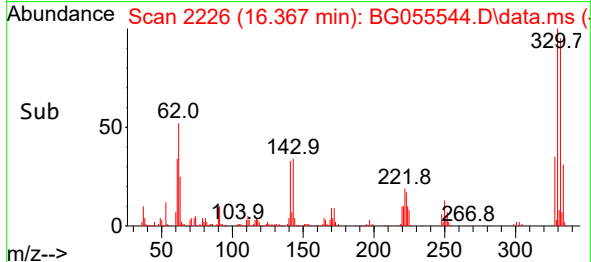
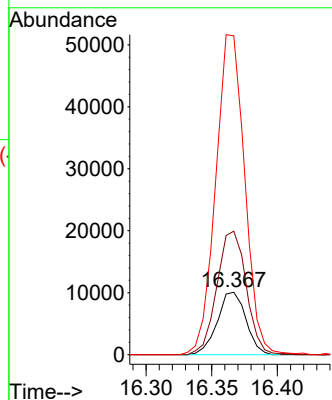
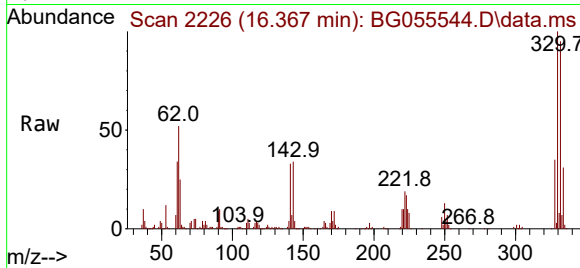




#67
4-Bromophenyl-phenylether
Concen: 5.265 ng
RT: 16.367 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

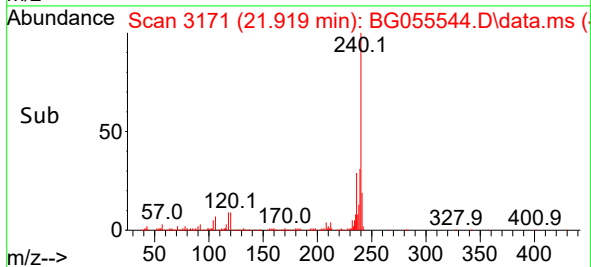
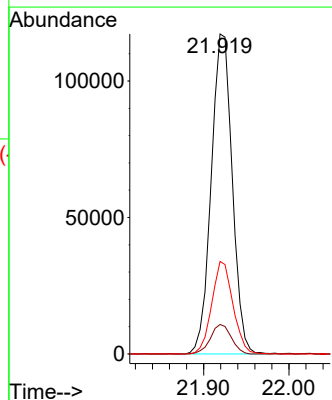
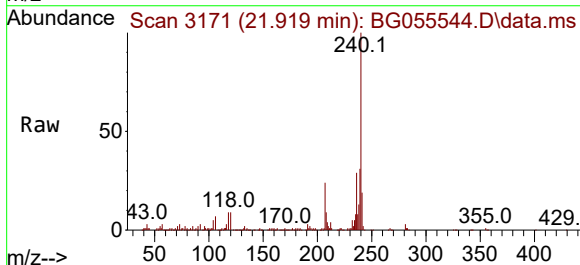
Instrument :
BNA_G
ClientSampleId :
TP-4

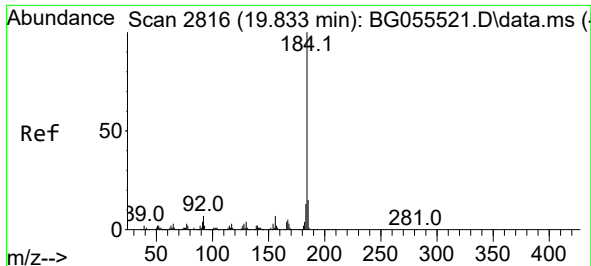
Tgt Ion:248 Resp: 15308
Ion Ratio Lower Upper
248 100
250 197.7 76.9 115.3#
141 510.4 54.3 81.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.012 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:240 Resp: 201282
Ion Ratio Lower Upper
240 100
120 9.2 6.1 9.1#
236 28.9 21.4 32.0

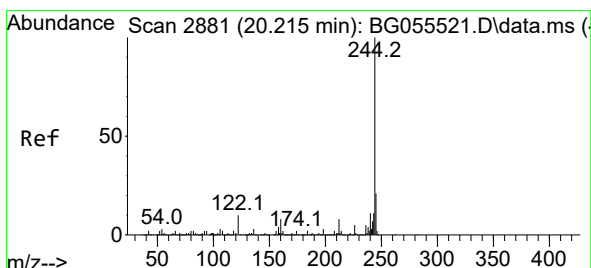
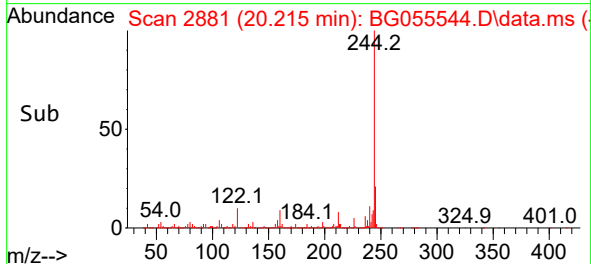
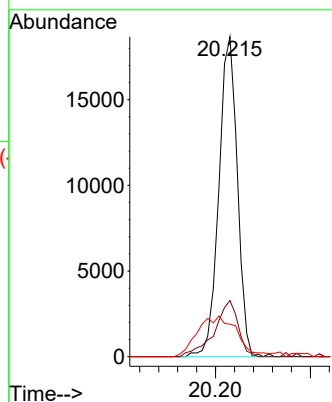
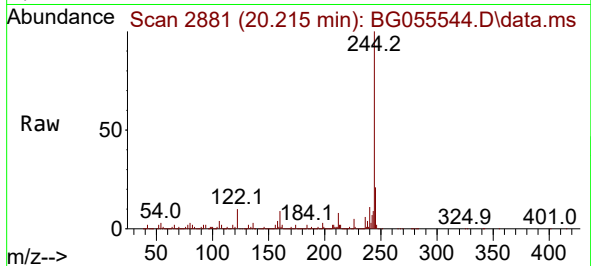




#77
Benzidine
Concen: 4.660 ng
RT: 20.215 min Scan# 2881
Delta R.T. 0.382 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

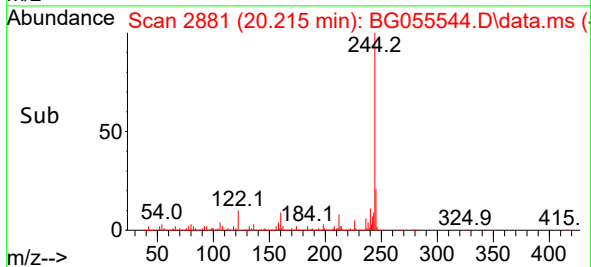
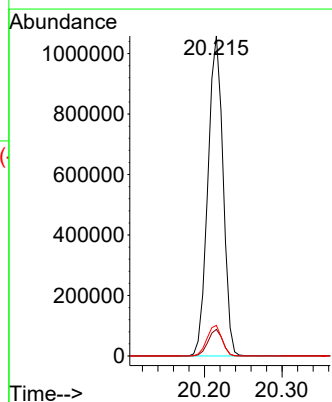
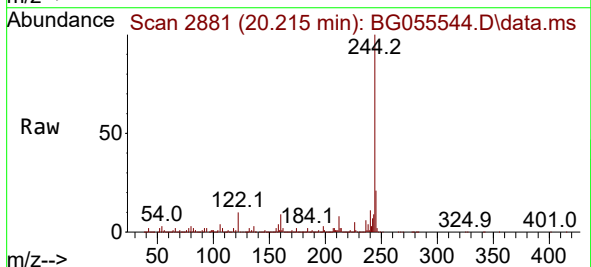
Instrument :
BNA_G
ClientSampleId :
TP-4

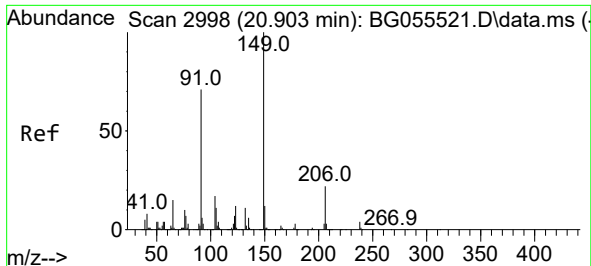
Tgt Ion:184 Resp: 25375
Ion Ratio Lower Upper
184 100
185 17.5 12.0 18.0
183 10.2 10.2 15.2#



#79
Terphenyl-d14
Concen: 143.224 ng
RT: 20.215 min Scan# 2881
Delta R.T. 0.000 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:244 Resp: 1435278
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 9.6 7.7 11.5

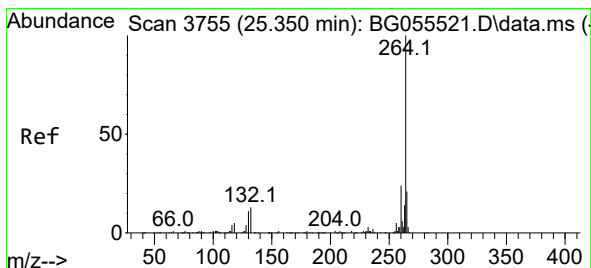
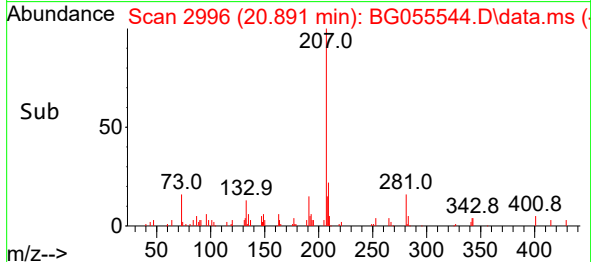
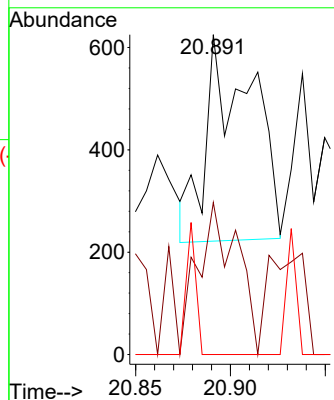
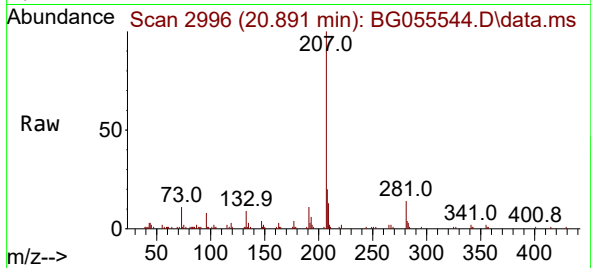




#80
Butylbenzylphthalate
Concen: 3.486 ng
RT: 20.891 min Scan# 2996
Delta R.T. -0.012 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

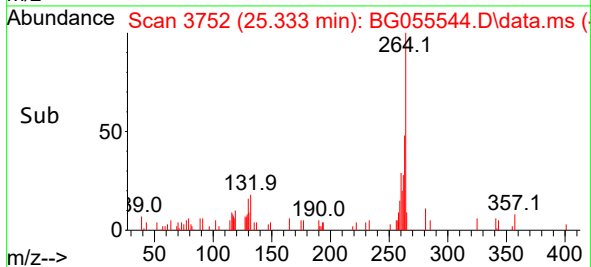
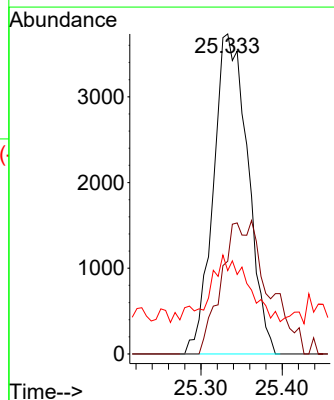
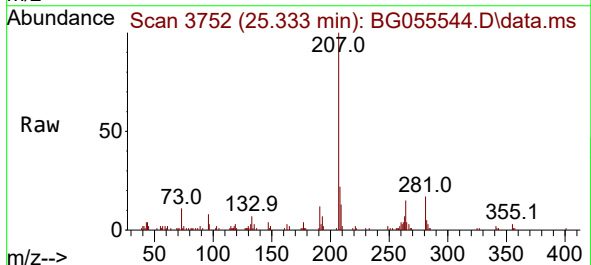
Instrument :
BNA_G
ClientSampleId :
TP-4

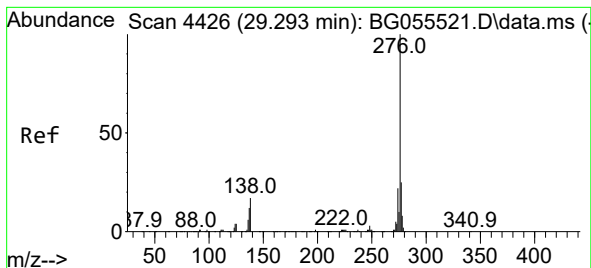
Tgt Ion:149 Resp: 678
Ion Ratio Lower Upper
149 100
91 47.5 56.8 85.2#
206 0.0 17.3 25.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 3752
Delta R.T. -0.017 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:264 Resp: 10971
Ion Ratio Lower Upper
264 100
260 29.0 19.4 29.2
265 26.1 17.1 25.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.090 ng

RT: 29.258 min Scan# 4420

Delta R.T. -0.035 min

Lab File: BG055544.D

Acq: 10 Nov 2022 18:11

Instrument :

BNA_G

ClientSampleId :

TP-4

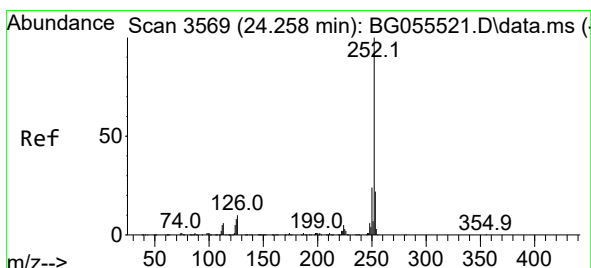
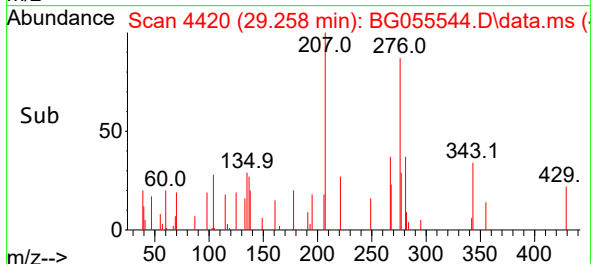
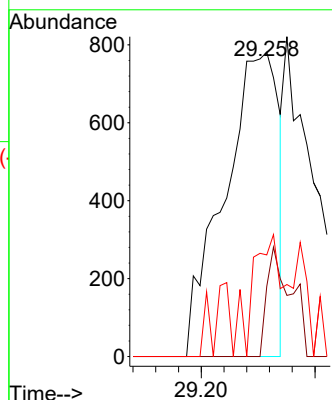
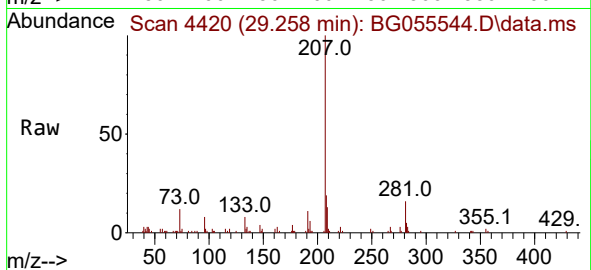
Tgt Ion:276 Resp: 2582

Ion Ratio Lower Upper

276 100

138 15.9 11.5 17.3

277 24.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.800 ng

RT: 24.246 min Scan# 3567

Delta R.T. -0.012 min

Lab File: BG055544.D

Acq: 10 Nov 2022 18:11

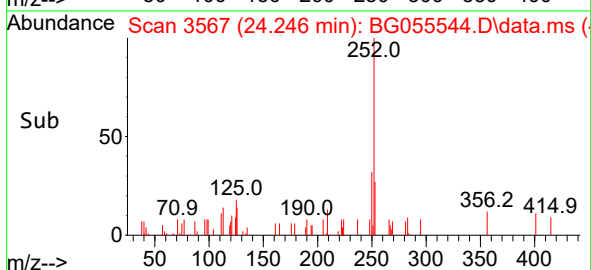
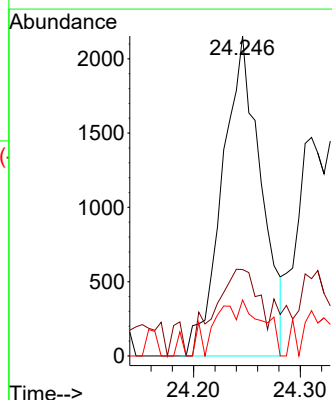
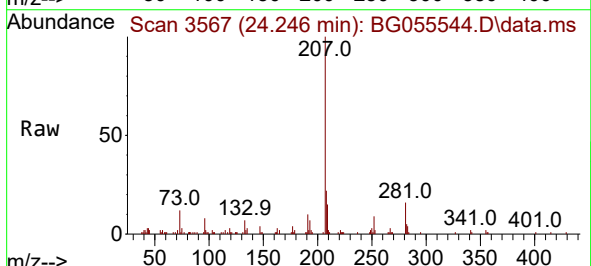
Tgt Ion:252 Resp: 5422

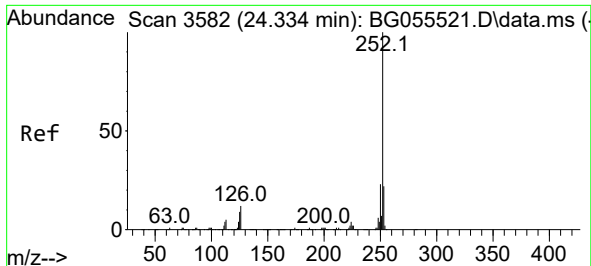
Ion Ratio Lower Upper

252 100

253 27.0 17.9 26.9#

125 17.5 6.7 10.1#

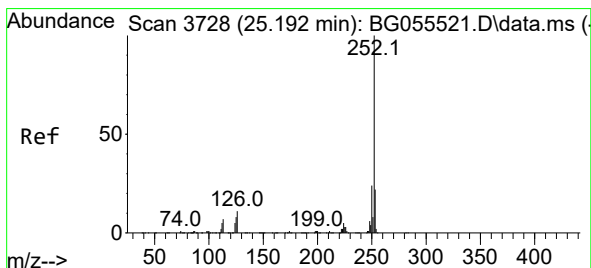
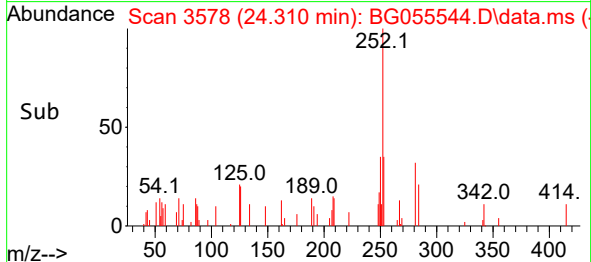
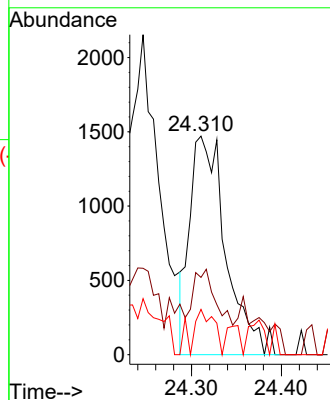
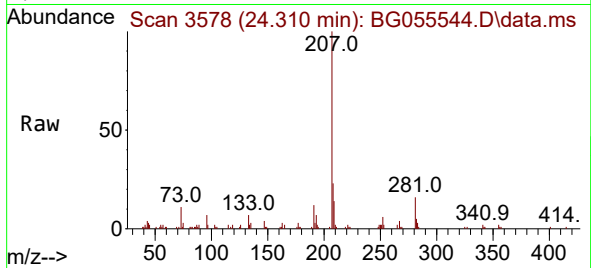




#89
Benzo(k)fluoranthene
Concen: 5.793 ng
RT: 24.310 min Scan# 310
Delta R.T. -0.024 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

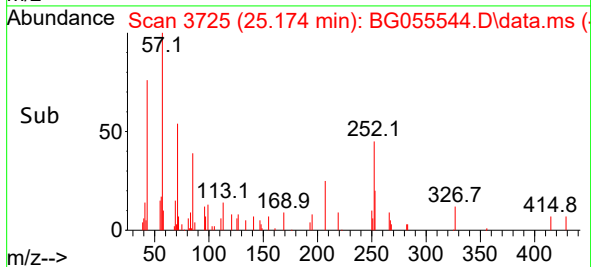
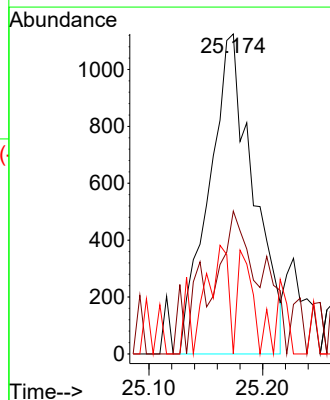
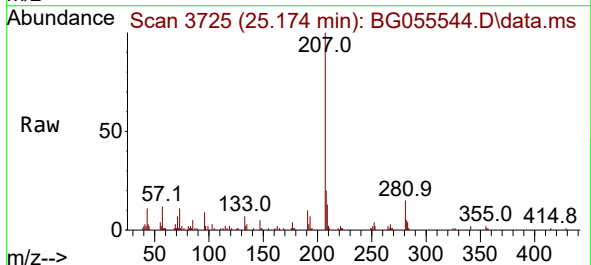
Instrument :
BNA_G
ClientSampleId :
TP-4

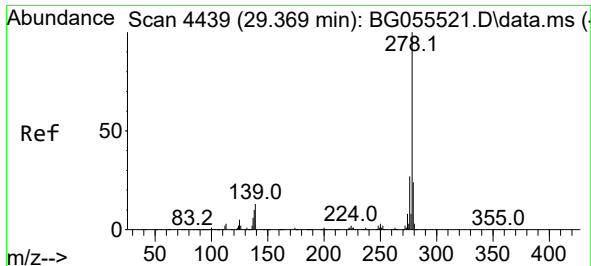
Tgt Ion:252 Resp: 4117
Ion Ratio Lower Upper
252 100
253 35.4 17.8 26.8#
125 20.7 6.9 10.3#



#90
Benzo(a)pyrene
Concen: 5.092 ng
RT: 25.174 min Scan# 3725
Delta R.T. -0.018 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:252 Resp: 3049
Ion Ratio Lower Upper
252 100
253 44.6 17.8 26.6#
125 0.0 6.7 10.1#

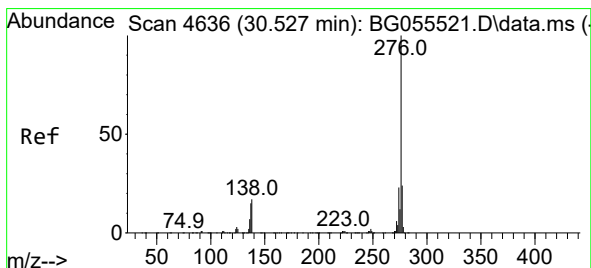
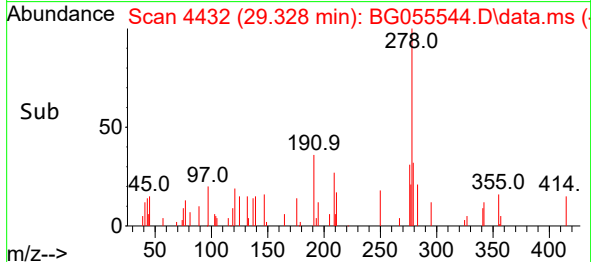
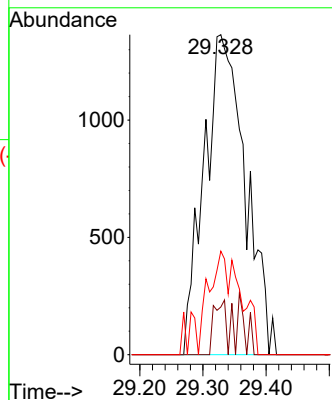
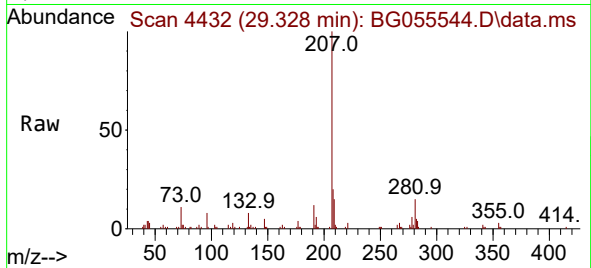




#91
Dibenzo(a,h)anthracene
Concen: 8.938 ng
RT: 29.328 min Scan# 4439
Delta R.T. -0.041 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:278 Resp: 6182
Ion Ratio Lower Upper
278 100
139 14.9 10.6 15.8
279 32.3 19.4 29.2#



#92
Benzo(g,h,i)perylene
Concen: 5.610 ng
RT: 30.480 min Scan# 4628
Delta R.T. -0.047 min
Lab File: BG055544.D
Acq: 10 Nov 2022 18:11

Tgt Ion:276 Resp: 3793
Ion Ratio Lower Upper
276 100
277 39.5 19.3 28.9#
138 34.6 13.9 20.9#

