

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111222\
 Data File : BG055596.D
 Acq On : 12 Nov 2022 19:26
 Operator : CG/JU
 Sample : N5580-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111022

Quant Time: Nov 14 03:30:00 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)

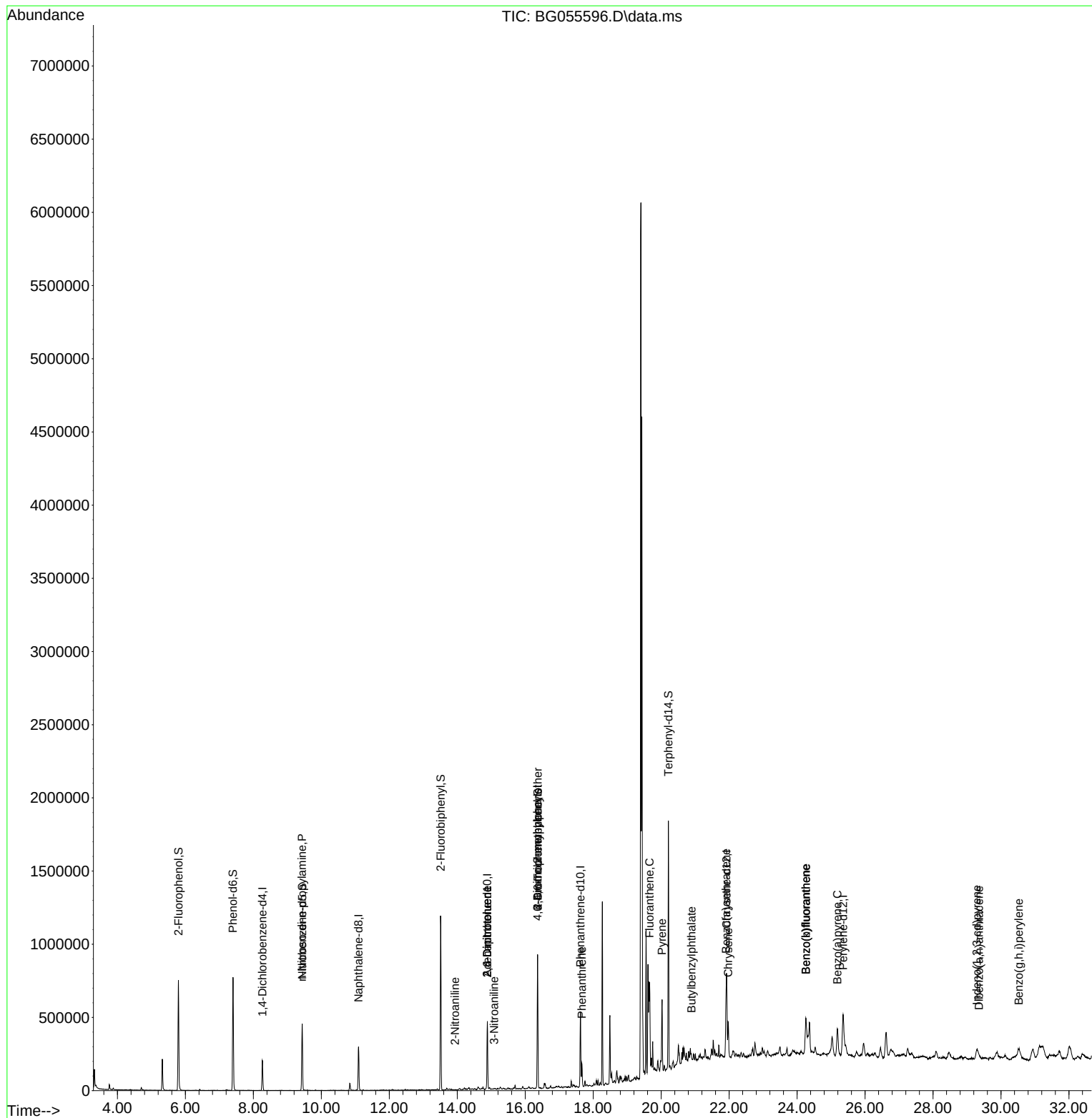
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	60441	20.000	ng	0.00
21) Naphthalene-d8	11.096	136	251145	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	163251	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	335143	20.000	ng	0.00
76) Chrysene-d12	21.925	240	310326	20.000	ng	0.00
86) Perylene-d12	25.356	264	328454	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	335117	105.608	ng	0.00
7) Phenol-d6	7.401	99	434147	99.047	ng	0.00
23) Nitrobenzene-d5	9.440	82	268904	72.586	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	184792	116.014	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	616969	57.006	ng	0.00
79) Terphenyl-d14	20.215	244	854923	55.334	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.434	70	36623	10.110	ng	# 77
48) 2-Nitroaniline	13.940	65	55	3.808	ng	# 8
51) 2,6-Dinitrotoluene	14.886	165	22147	12.642	ng	# 23
53) 3-Nitroaniline	15.086	138	55	3.798	ng	# 1
57) 2,4-Dinitrotoluene	14.886	165	22147	10.732	ng	# 23
65) 4,6-Dinitro-2-methylph...	16.361	198	597	2.632	ng	# 1
67) 4-Bromophenyl-phenylether	16.367	248	12075	3.532	ng	# 1
71) Phenanthrene	17.665	178	103364	5.739	ng	99
75) Fluoranthene	19.663	202	299566	13.947	ng	99
78) Pyrene	20.027	202	306553	14.596	ng	99
80) Butylbenzylphthalate	20.897	149	428	3.414	ng	# 30
81) Benzo(a)anthracene	21.907	228	193445	9.101	ng	98
83) Chrysene	21.972	228	198354	9.813	ng	98
87) Indeno(1,2,3-cd)pyrene	29.293	276	159723	6.385	ng	94
88) Benzo(b)fluoranthene	24.263	252	316858	15.225	ng	100
89) Benzo(k)fluoranthene	24.263	252	316858	14.893	ng	100
90) Benzo(a)pyrene	25.186	252	237372	13.241	ng	97
91) Dibenzo(a,h)anthracene	29.352	278	45795	2.211	ng	# 85
92) Benzo(g,h,i)perylene	30.527	276	146927	7.258	ng	100

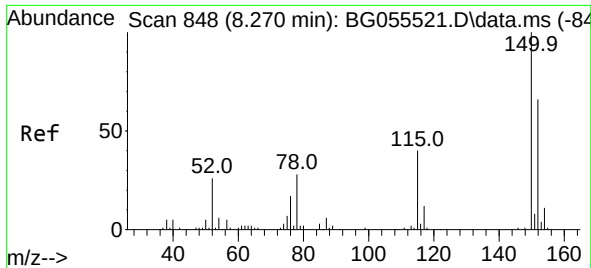
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 10 03:39:46 2022
Response via : Initial Calibration

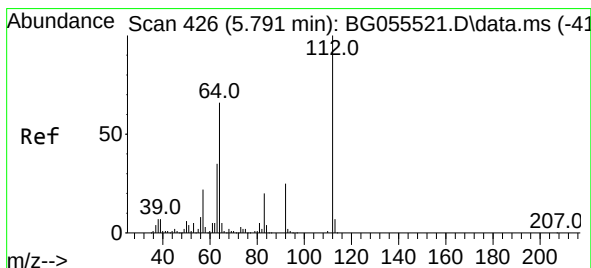
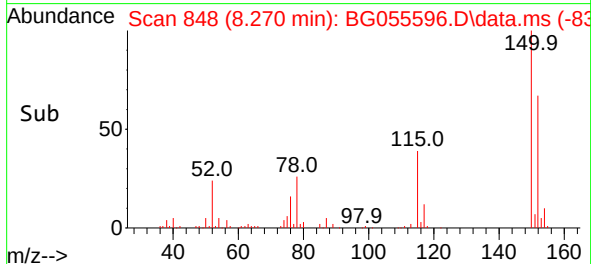
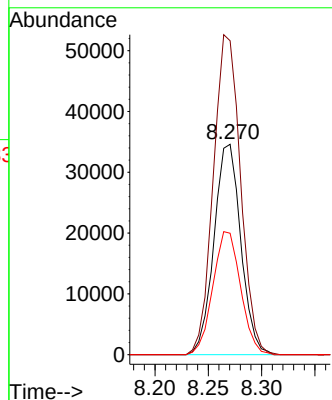
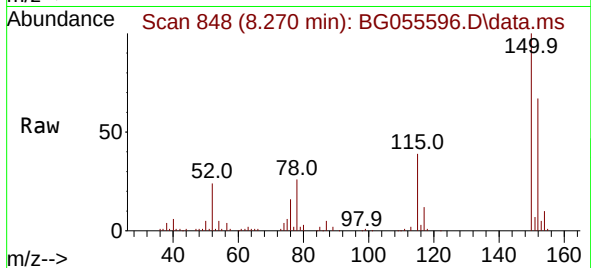




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

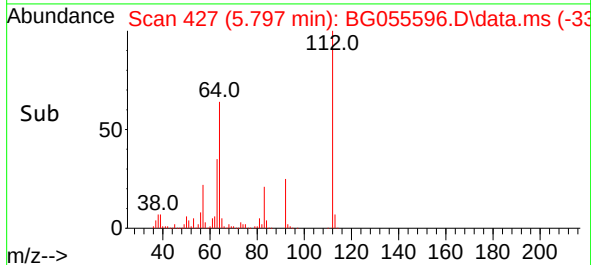
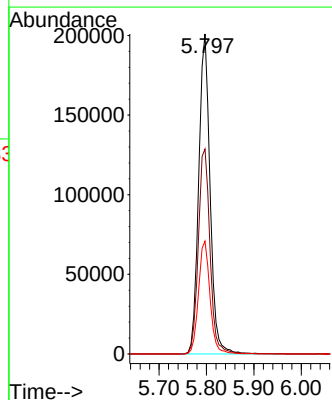
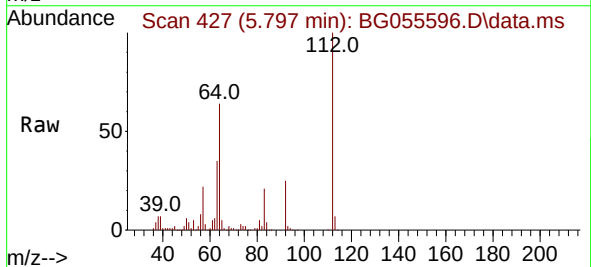
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

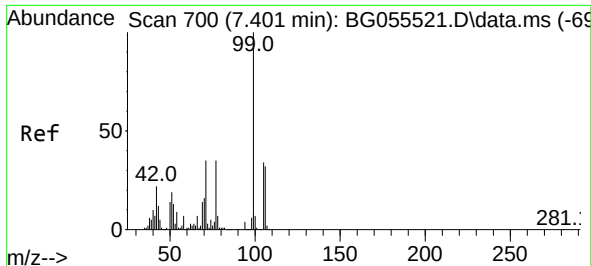
Tgt Ion:152 Resp: 60441
Ion Ratio Lower Upper
152 100
150 149.2 121.0 181.4
115 57.8 47.8 71.8



#5
2-Fluorophenol
Concen: 105.608 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:112 Resp: 335117
Ion Ratio Lower Upper
112 100
64 64.1 52.6 78.8
63 35.3 28.3 42.5

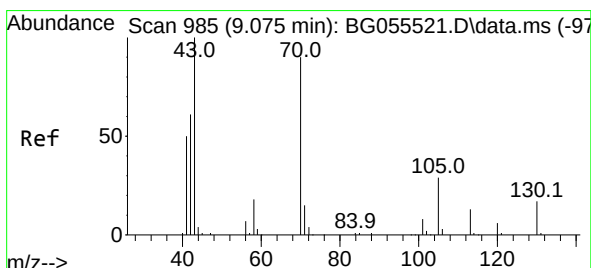
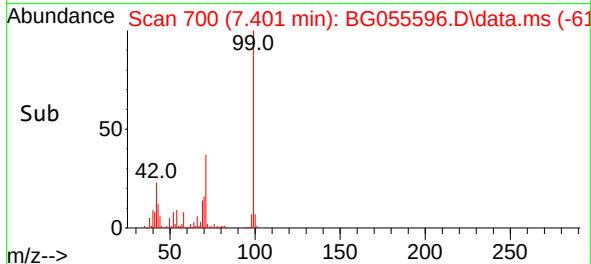
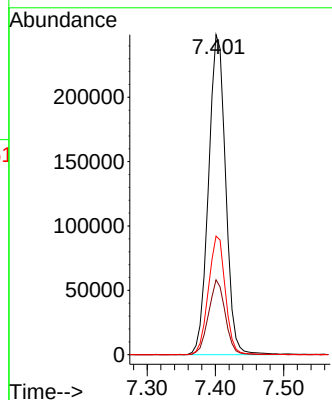
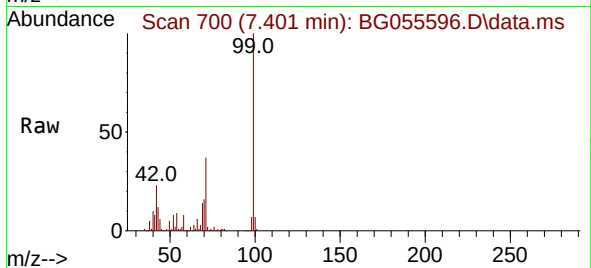




#7
Phenol-d6
Concen: 99.047 ng
RT: 7.401 min Scan# 700
Delta R.T. -0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

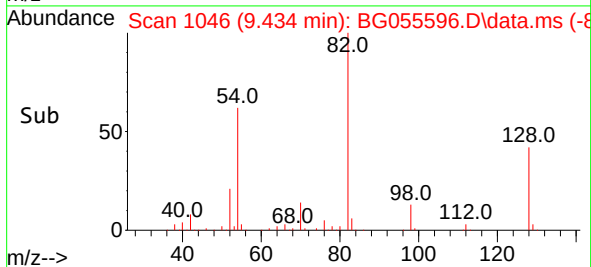
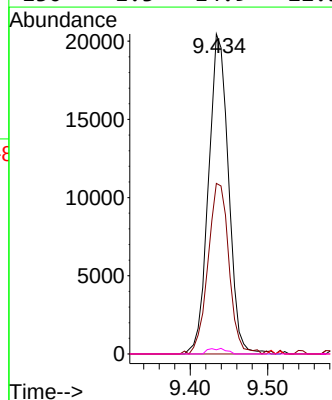
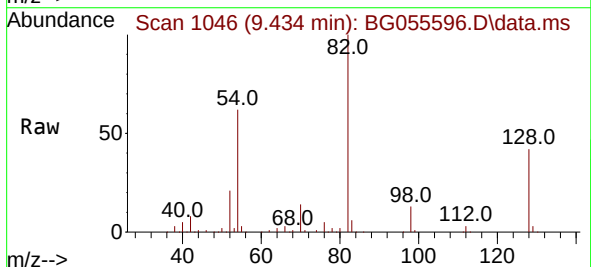
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

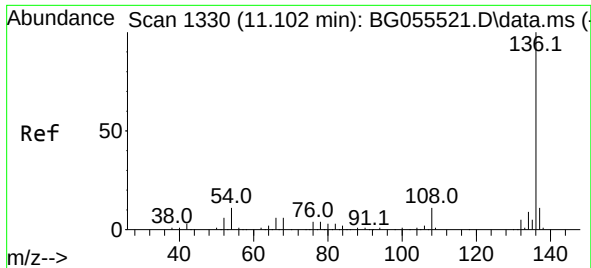
Tgt Ion: 99 Resp: 434147
Ion Ratio Lower Upper
99 100
42 23.4 17.5 26.3
71 37.1 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.110 ng
RT: 9.434 min Scan# 1046
Delta R.T. 0.359 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion: 70 Resp: 36623
Ion Ratio Lower Upper
70 100
42 53.3 54.8 82.2#
101 0.0 6.8 10.2#
130 1.3 14.9 22.3#

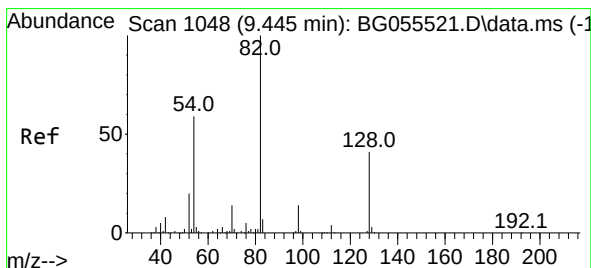
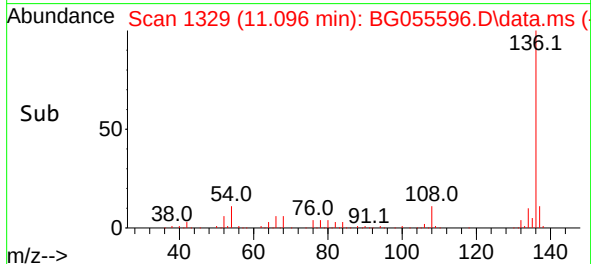
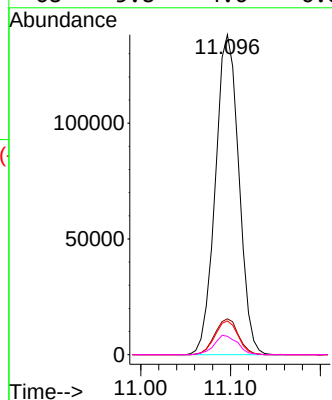
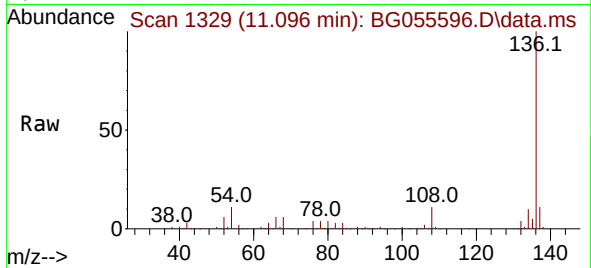




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.096 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

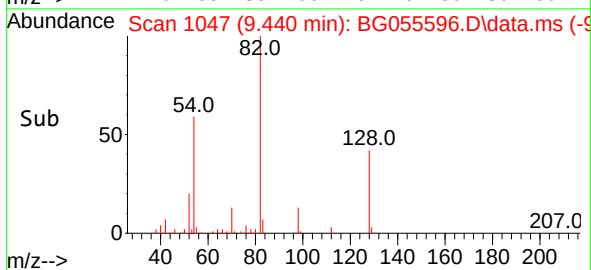
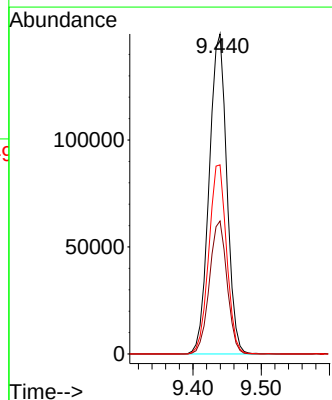
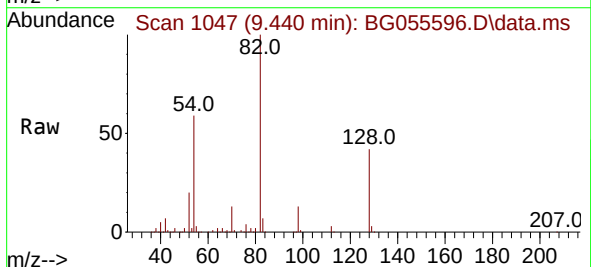
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

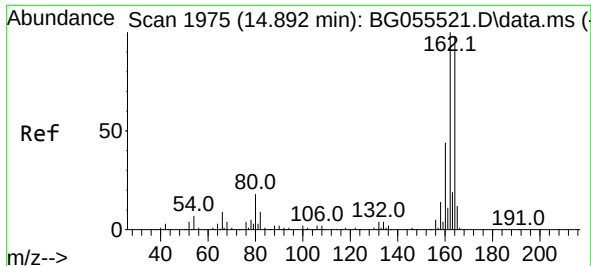
Tgt Ion:	136	Resp:	251145
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.6	8.6	12.8
68	5.8	4.6	6.8



#23
Nitrobenzene-d5
Concen: 72.586 ng
RT: 9.440 min Scan# 1047
Delta R.T. -0.005 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:	82	Resp:	268904
Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.6	49.0
54	59.1	47.3	70.9

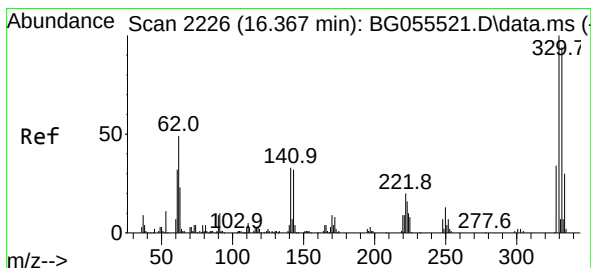
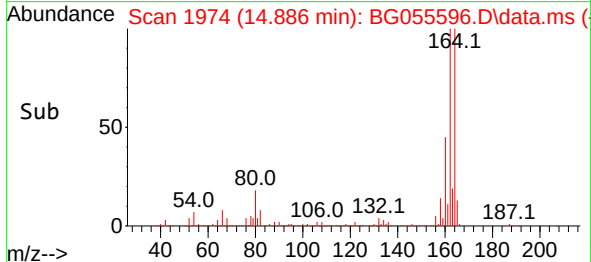
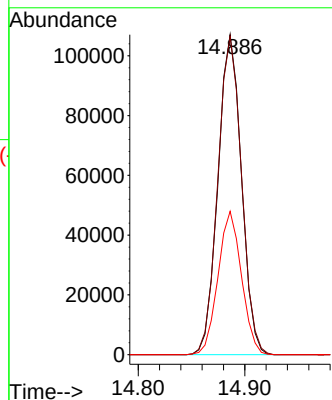
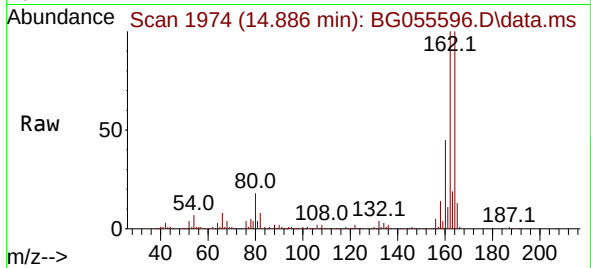




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

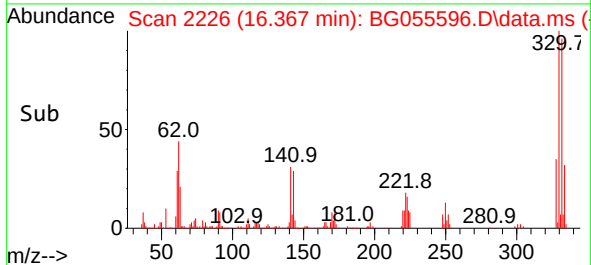
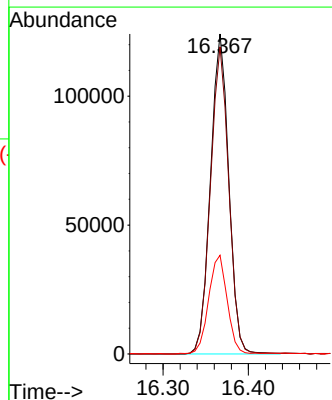
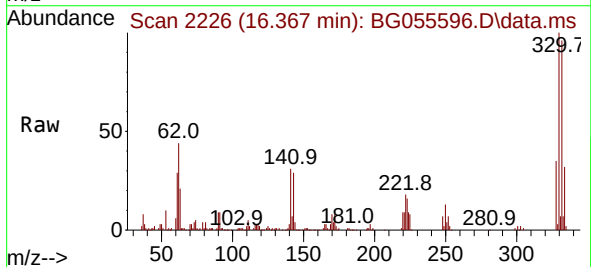
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

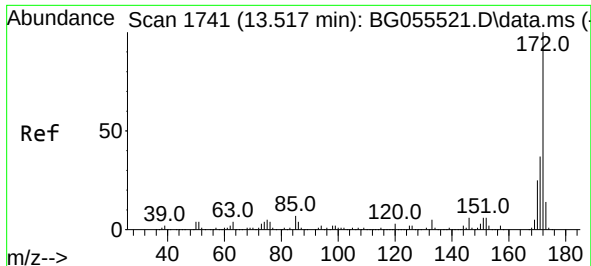
Tgt Ion:164 Resp: 163251
Ion Ratio Lower Upper
164 100
162 99.6 81.3 121.9
160 44.8 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 116.014 ng
RT: 16.367 min Scan# 2226
Delta R.T. -0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:330 Resp: 184792
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 31.4 25.4 38.2

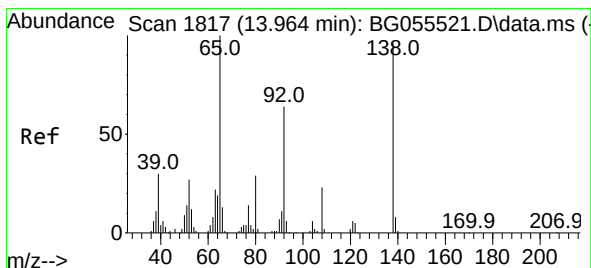
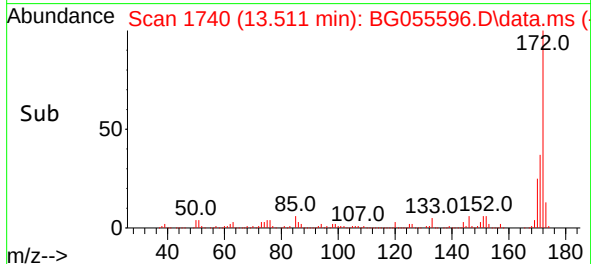
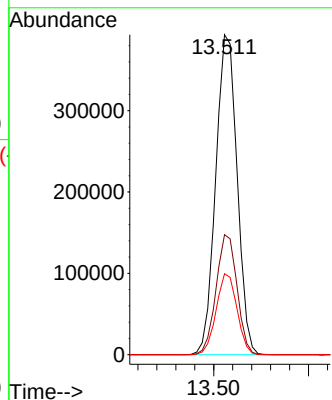
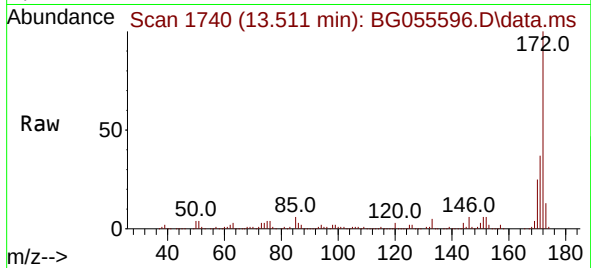




#45
2-Fluorobiphenyl
Concen: 57.006 ng
RT: 13.511 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

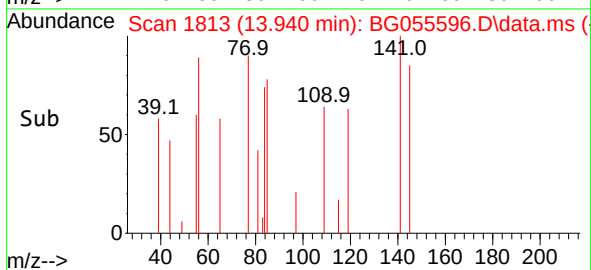
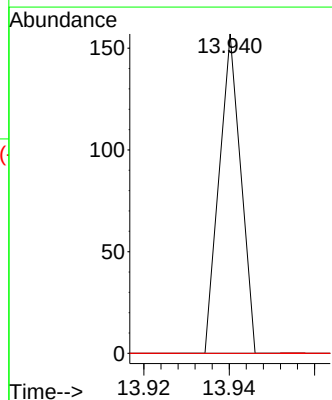
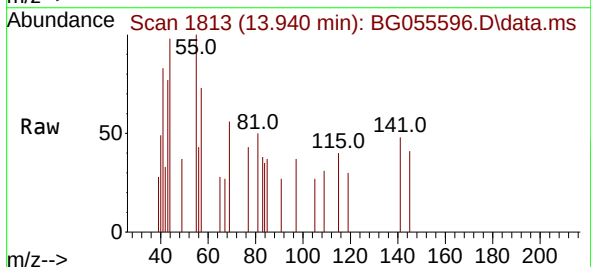
Instrument :
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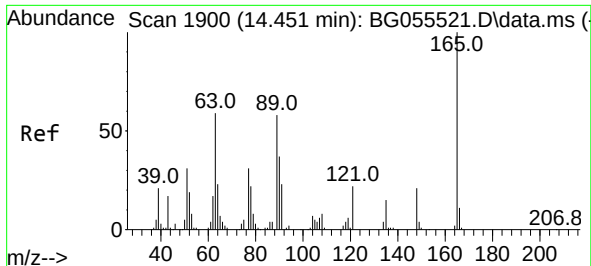
Tgt Ion:172 Resp: 616969
Ion Ratio Lower Upper
172 100
171 37.5 29.7 44.5
170 25.3 19.8 29.6



#48
2-Nitroaniline
Concen: 3.808 ng
RT: 13.940 min Scan# 1813
Delta R.T. -0.024 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 51.6 77.4#
138 0.0 77.0 115.4#

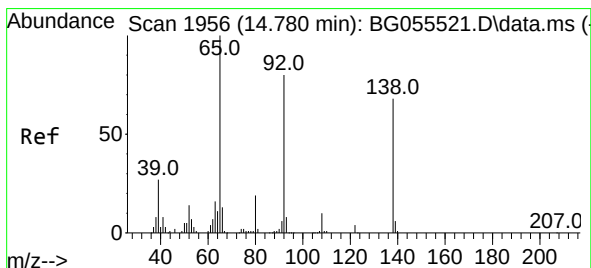
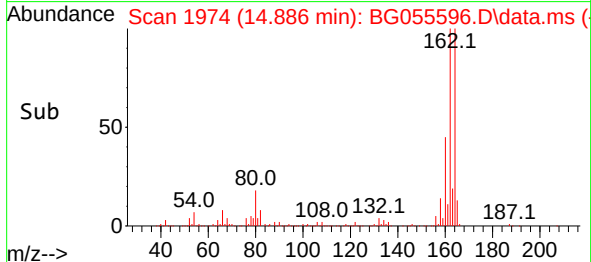
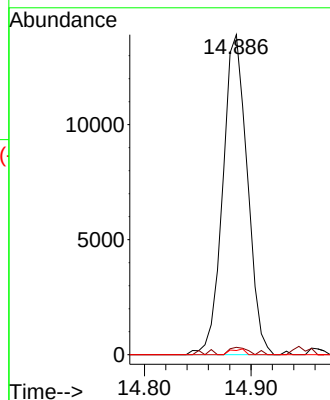
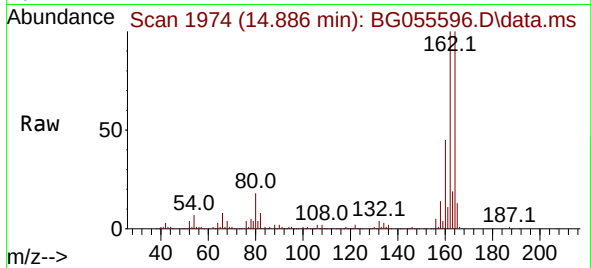




#51
2,6-Dinitrotoluene
Concen: 12.642 ng
RT: 14.886 min Scan# 14
Delta R.T. 0.435 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

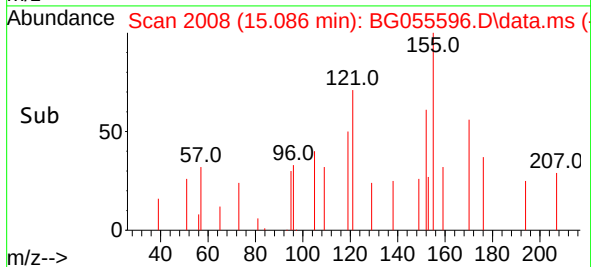
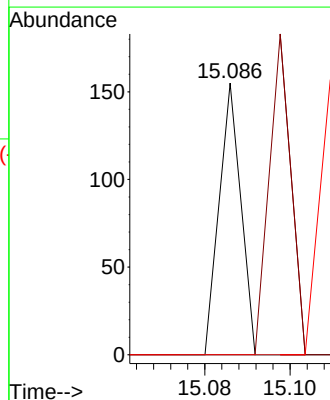
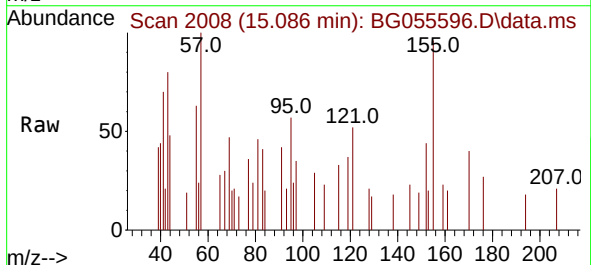
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SU-02-111022

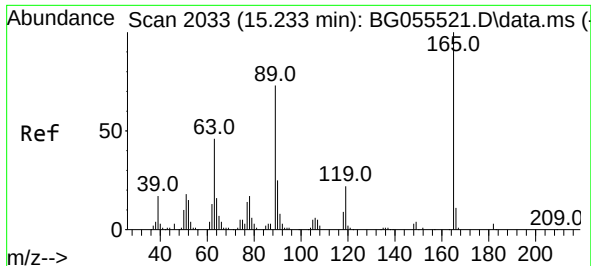
Tgt Ion:165 Resp: 22147
Ion Ratio Lower Upper
165 100
63 2.3 50.1 75.1#
89 1.3 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.798 ng
RT: 15.086 min Scan# 2008
Delta R.T. 0.306 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#





#57

2,4-Dinitrotoluene

Concen: 10.732 ng

RT: 14.886 min Scan# 1974

Delta R.T. -0.347 min

Lab File: BG055596.D

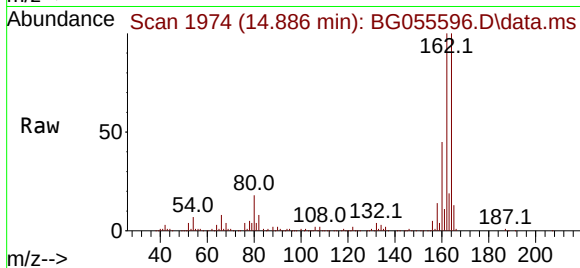
Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

ClientSampleId :

SU-02-111022



Tgt Ion:165 Resp: 22147

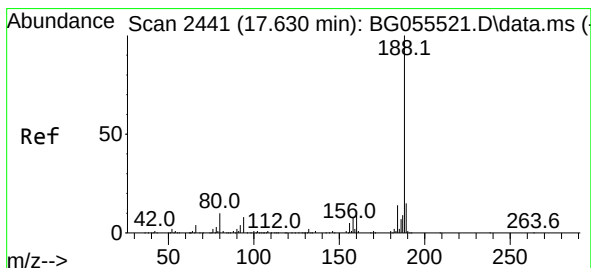
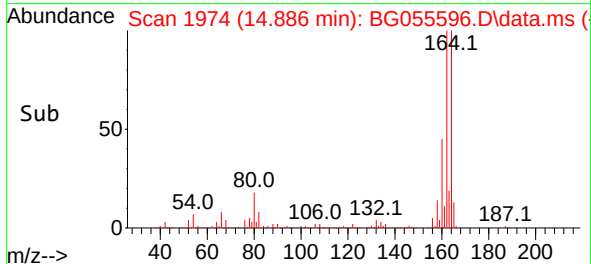
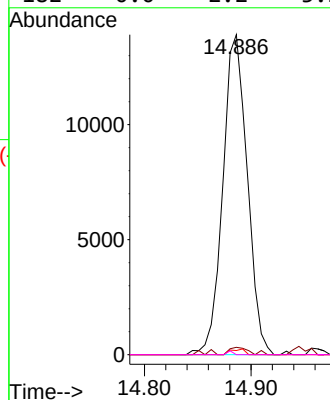
Ion Ratio Lower Upper

165 100

63 2.3 37.0 55.4#

89 1.3 58.6 87.8#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.624 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BG055596.D

Acq: 12 Nov 2022 19:26

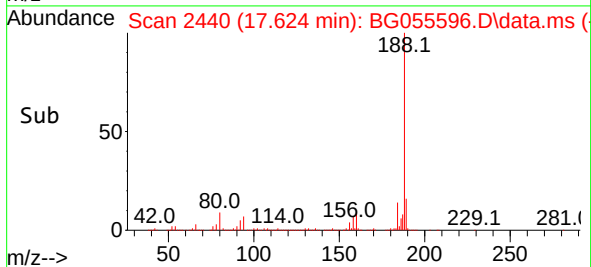
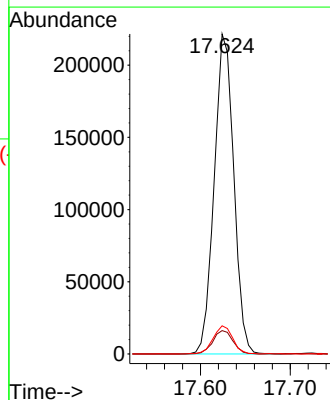
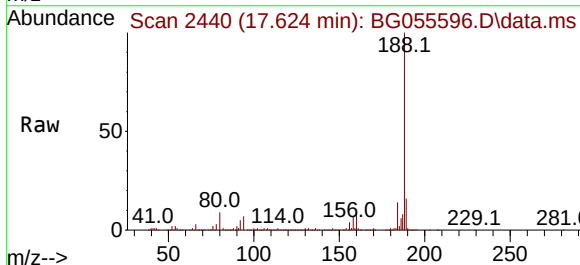
Tgt Ion:188 Resp: 335143

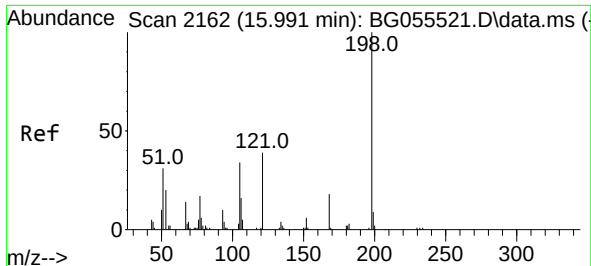
Ion Ratio Lower Upper

188 100

94 7.3 6.4 9.6

80 8.8 7.6 11.4

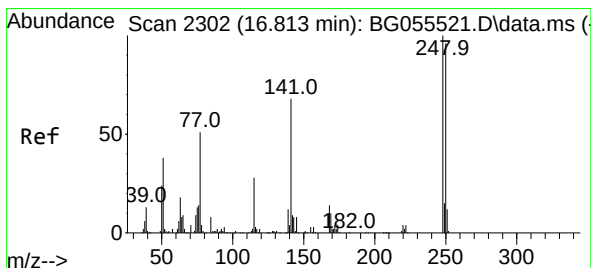
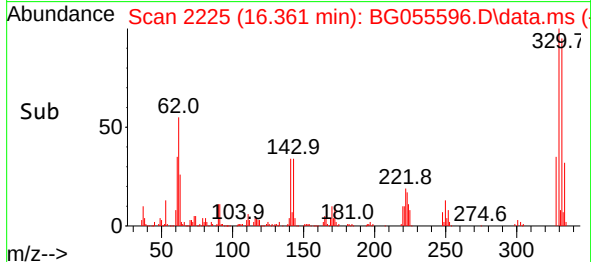
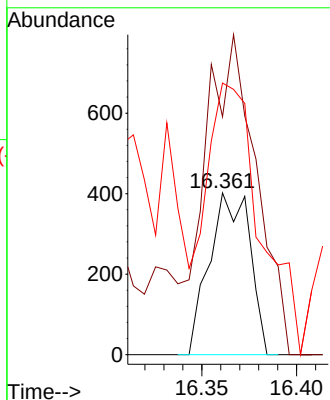
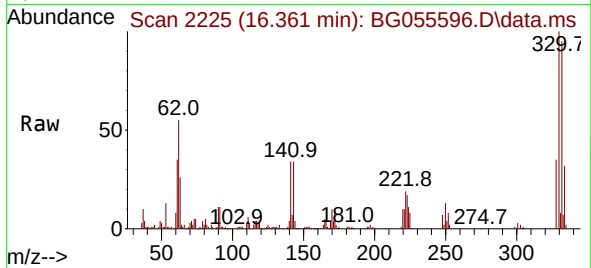




#65
4,6-Dinitro-2-methylphenol
Concen: 2.632 ng
RT: 16.361 min Scan# 2162
Delta R.T. 0.370 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

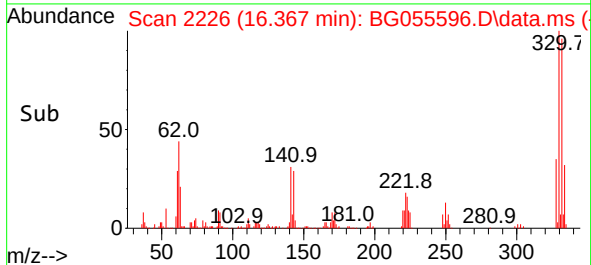
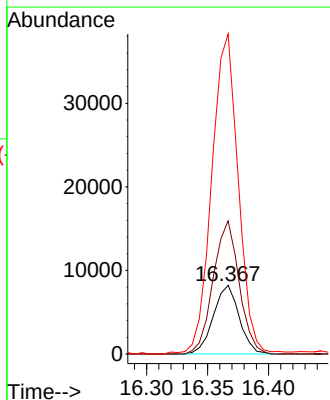
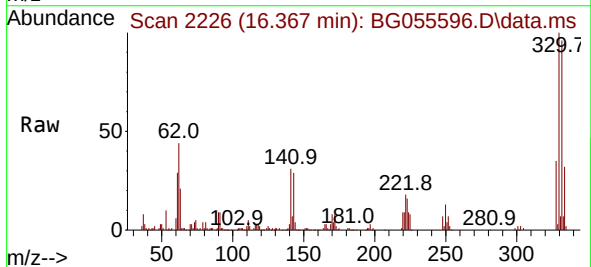
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

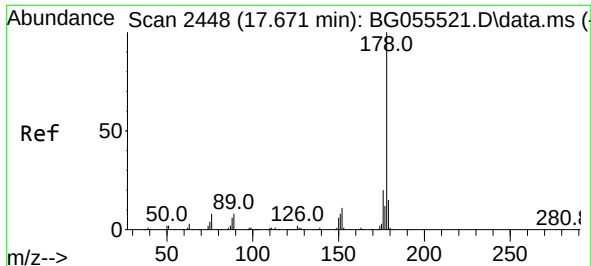
Tgt Ion:198 Resp: 597
Ion Ratio Lower Upper
198 100
51 147.0 24.7 64.7#
105 167.9 17.6 57.6#



#67
4-Bromophenyl-phenylether
Concen: 3.532 ng
RT: 16.367 min Scan# 2226
Delta R.T. -0.446 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:248 Resp: 12075
Ion Ratio Lower Upper
248 100
250 194.1 76.9 115.3#
141 466.4 54.3 81.5#

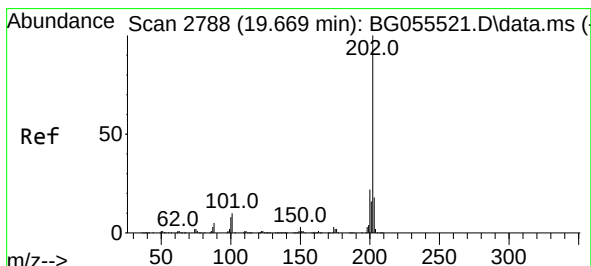
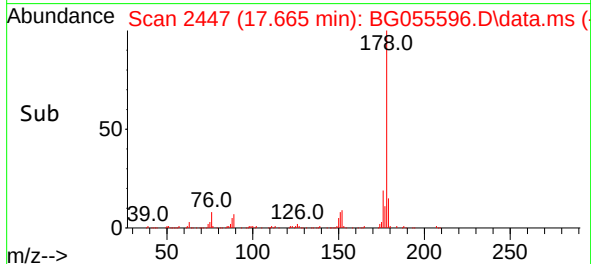
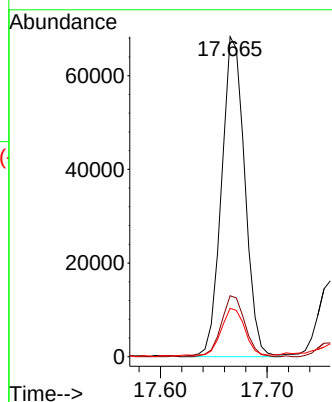
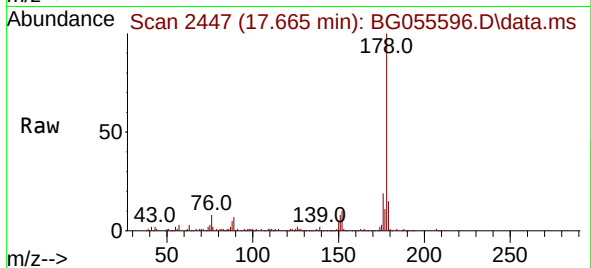




#71
Phenanthrene
Concen: 5.739 ng
RT: 17.665 min Scan# 2448
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

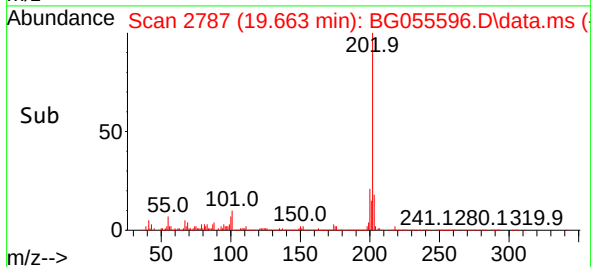
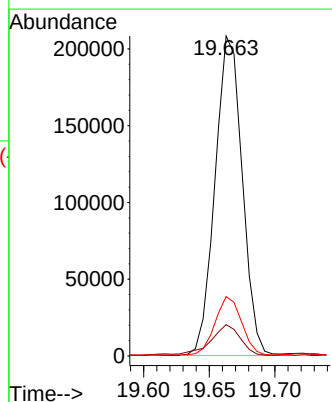
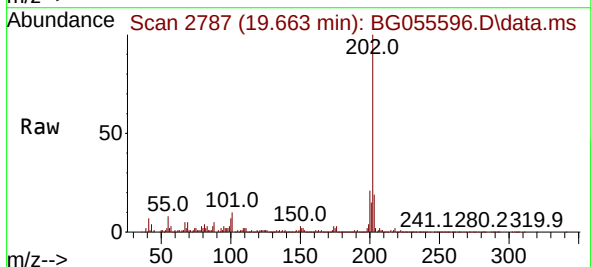
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

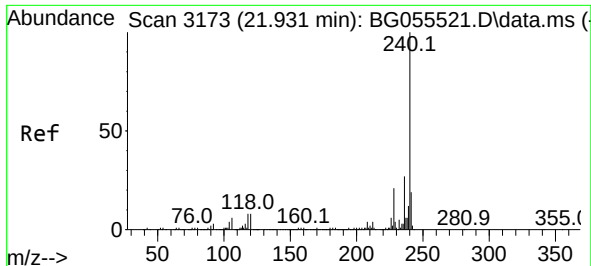
Tgt Ion:178 Resp: 103364
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 15.1 12.2 18.4



#75
Fluoranthene
Concen: 13.947 ng
RT: 19.663 min Scan# 2787
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:202 Resp: 299566
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.8
203 18.6 0.0 38.2

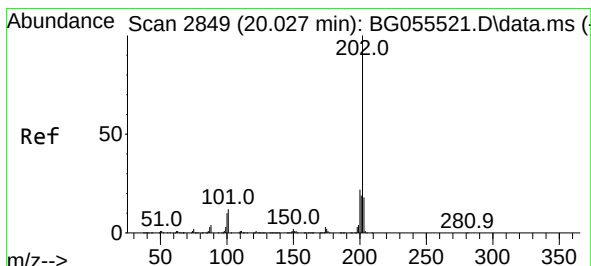
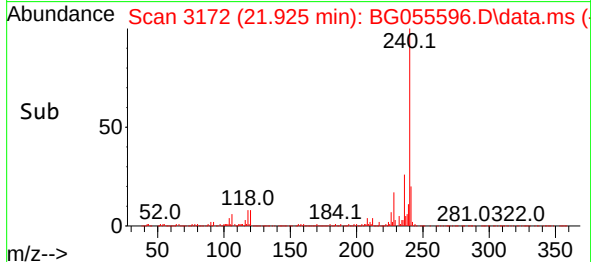
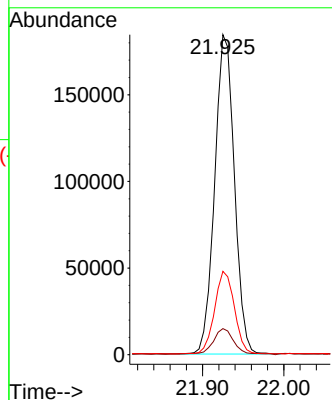
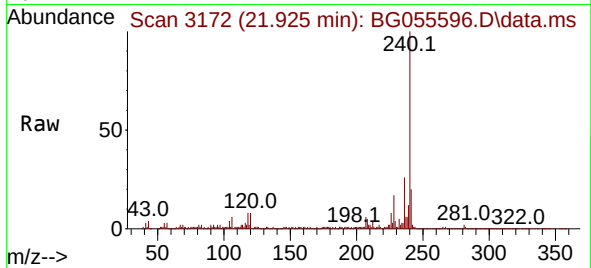




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

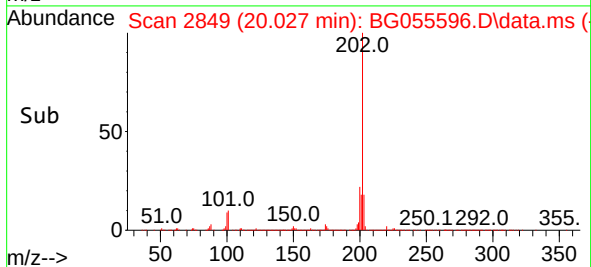
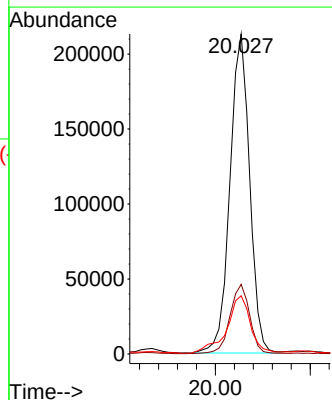
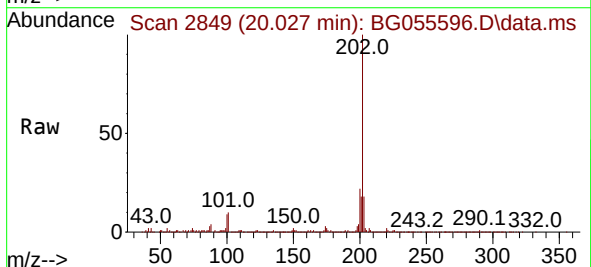
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

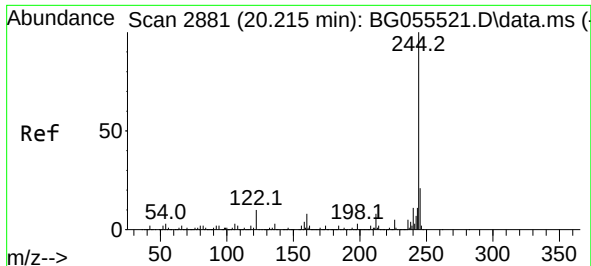
Tgt Ion:240 Resp: 310326
Ion Ratio Lower Upper
240 100
120 8.2 6.1 9.1
236 26.0 21.4 32.0



#78
Pyrene
Concen: 14.596 ng
RT: 20.027 min Scan# 2849
Delta R.T. 0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:202 Resp: 306553
Ion Ratio Lower Upper
202 100
200 21.8 18.0 27.0
203 18.2 14.2 21.2

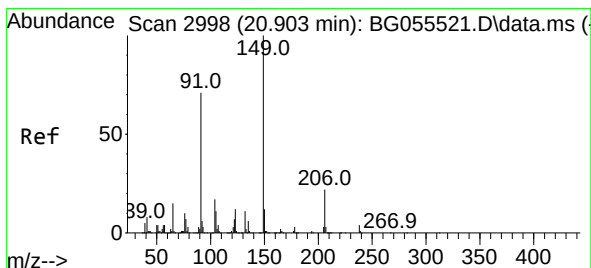
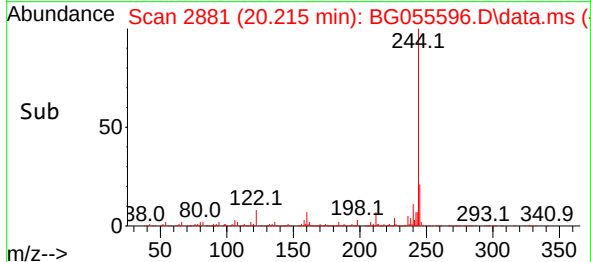
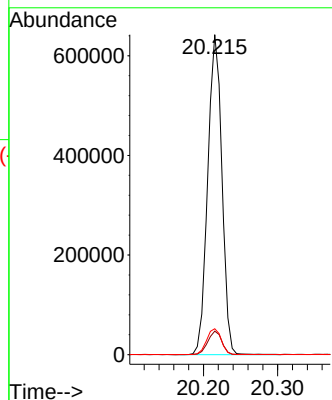
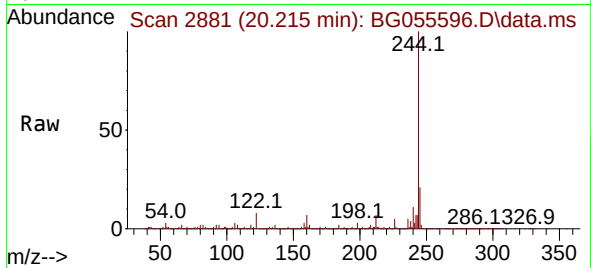




#79
 Terphenyl-d14
 Concen: 55.334 ng
 RT: 20.215 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055596.D
 Acq: 12 Nov 2022 19:26

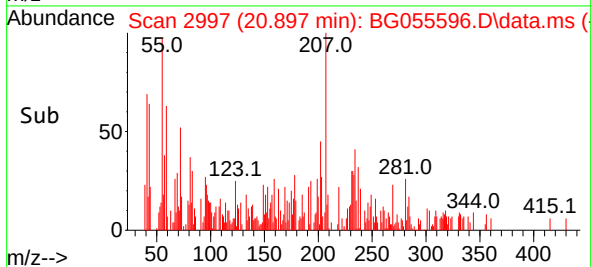
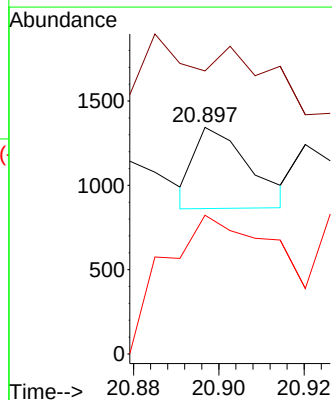
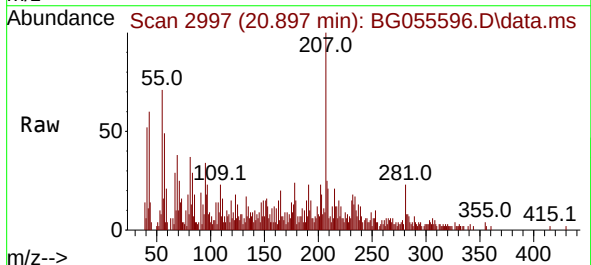
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111022

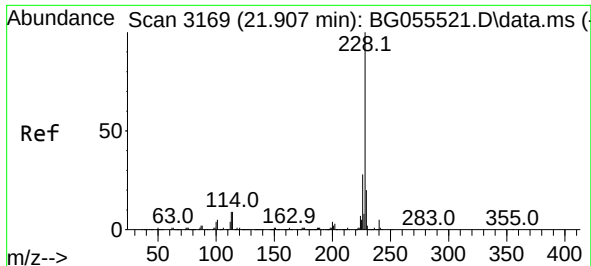
Tgt Ion:244 Resp: 854923
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 8.1 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 3.414 ng
 RT: 20.897 min Scan# 2997
 Delta R.T. -0.006 min
 Lab File: BG055596.D
 Acq: 12 Nov 2022 19:26

Tgt Ion:149 Resp: 428
 Ion Ratio Lower Upper
 149 100
 91 124.9 56.8 85.2#
 206 61.2 17.3 25.9#

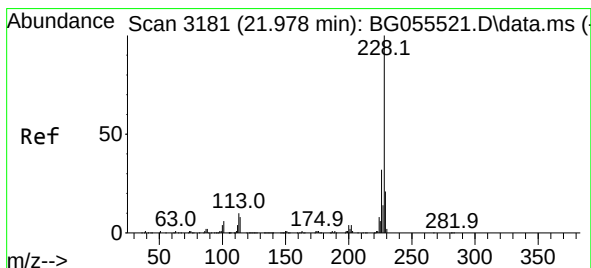
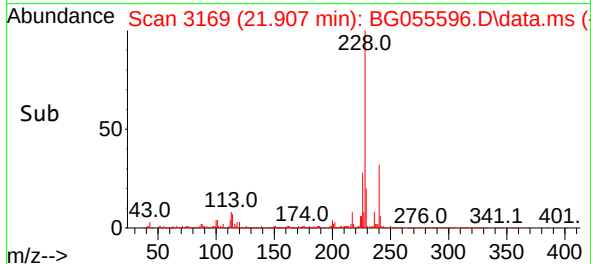
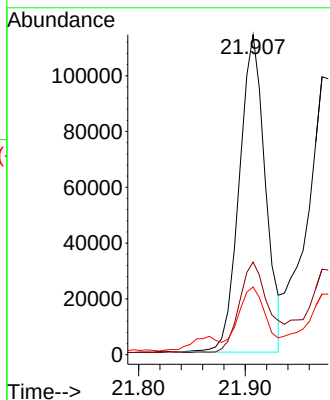
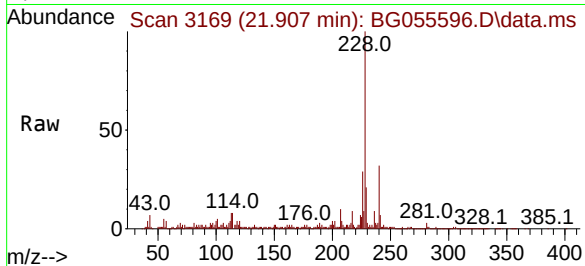




#81
Benzo(a)anthracene
Concen: 9.101 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

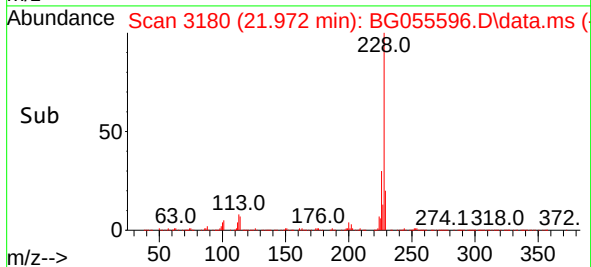
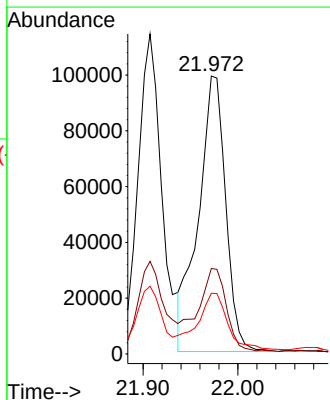
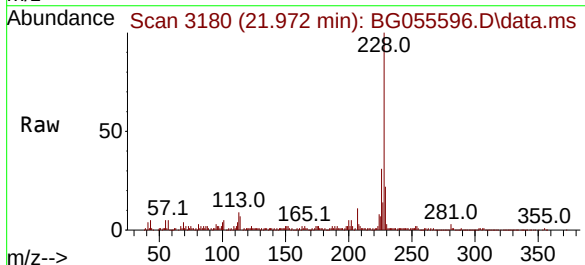
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

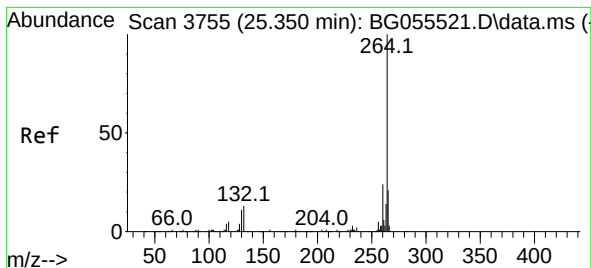
Tgt Ion:228 Resp: 193445
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 21.2 16.1 24.1



#83
Chrysene
Concen: 9.813 ng
RT: 21.972 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:228 Resp: 198354
Ion Ratio Lower Upper
228 100
226 30.8 25.7 38.5
229 21.8 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.356 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG055596.D

Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

ClientSampleId :

SU-02-111022

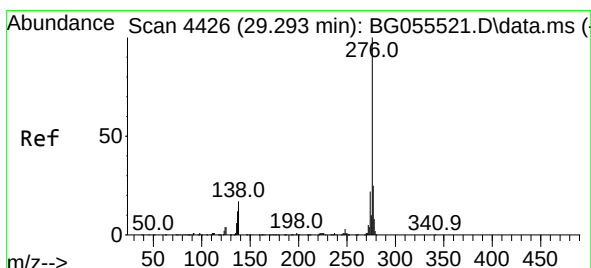
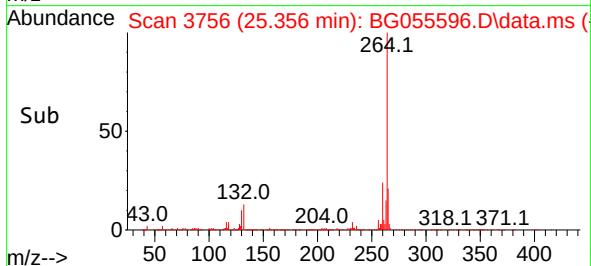
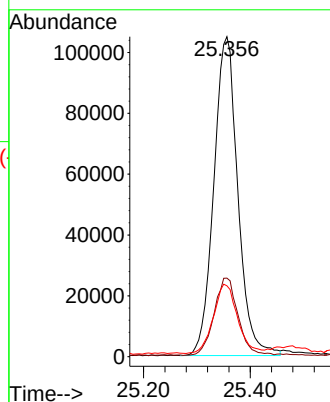
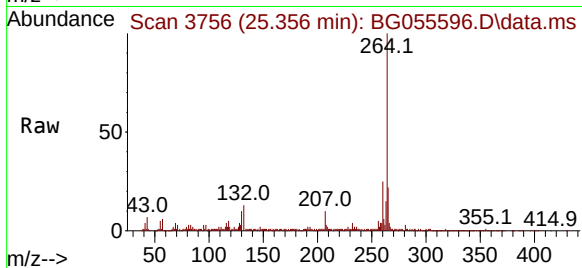
Tgt Ion:264 Resp: 328454

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 22.2 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.385 ng

RT: 29.293 min Scan# 4426

Delta R.T. -0.000 min

Lab File: BG055596.D

Acq: 12 Nov 2022 19:26

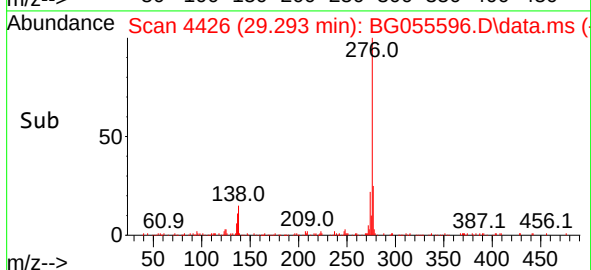
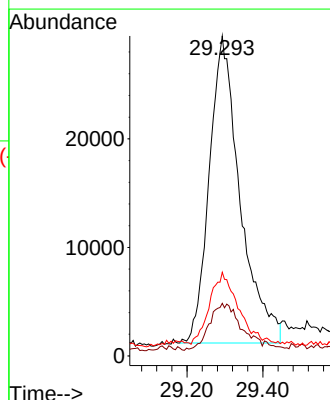
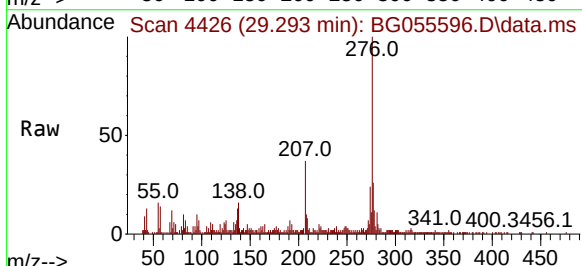
Tgt Ion:276 Resp: 159723

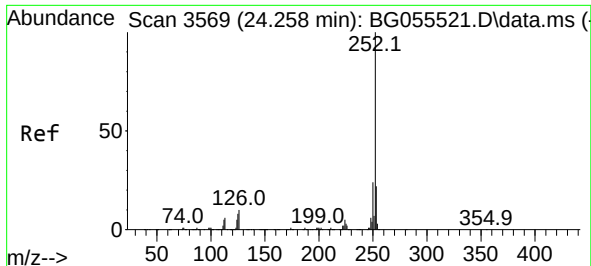
Ion Ratio Lower Upper

276 100

138 15.8 11.5 17.3

277 21.4 20.4 30.6

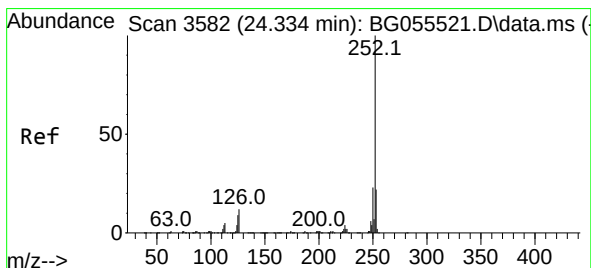
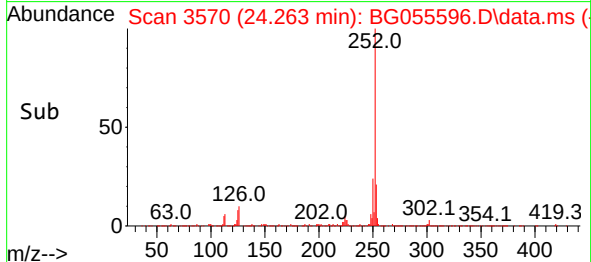
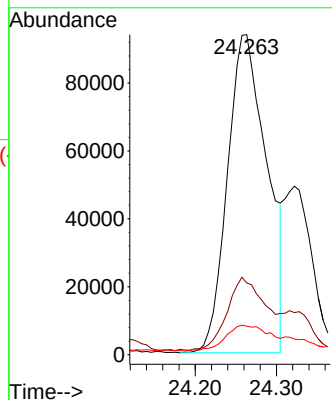
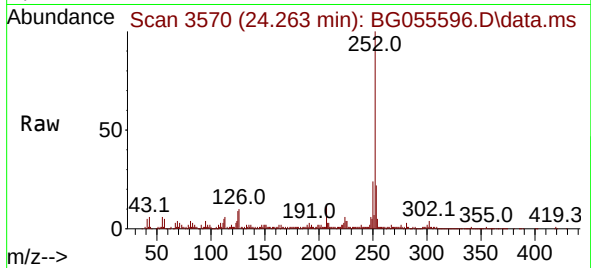




#88
Benzo(b)fluoranthene
Concen: 15.225 ng
RT: 24.263 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

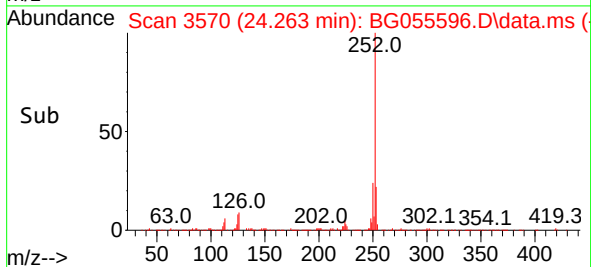
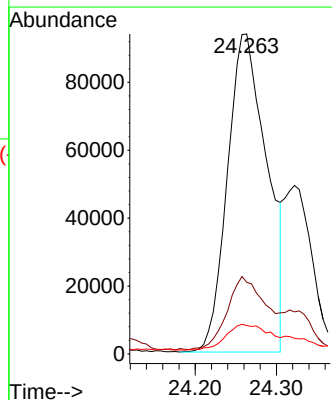
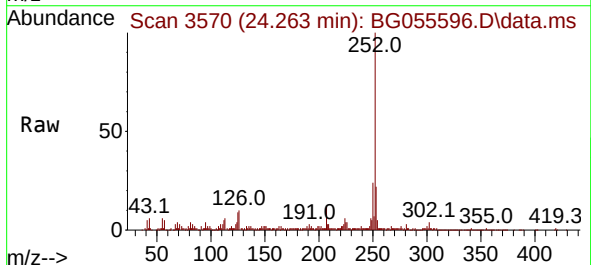
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

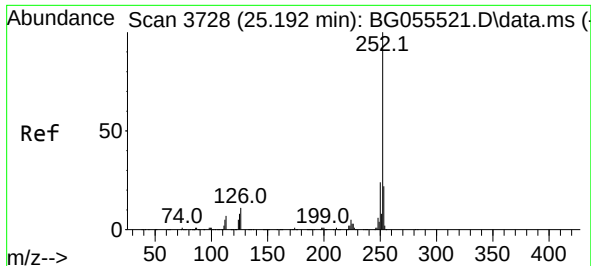
Tgt Ion:252 Resp: 316858
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 8.9 6.7 10.1



#89
Benzo(k)fluoranthene
Concen: 14.893 ng
RT: 24.263 min Scan# 3570
Delta R.T. -0.071 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:252 Resp: 316858
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 8.9 6.9 10.3

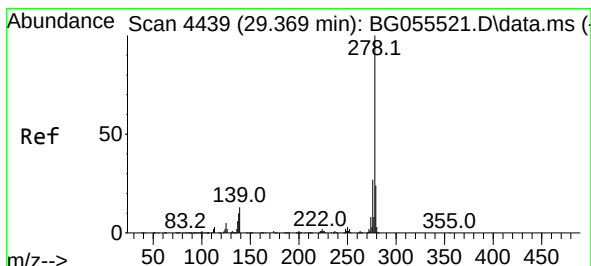
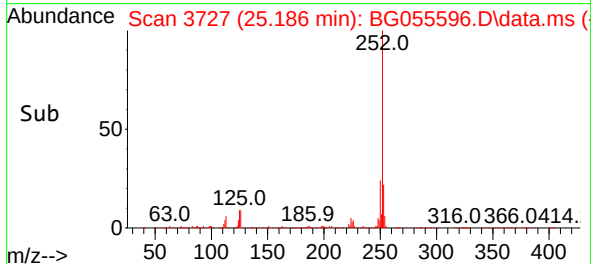
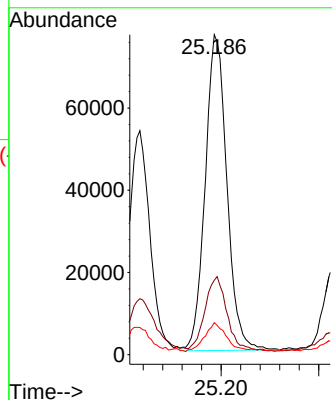
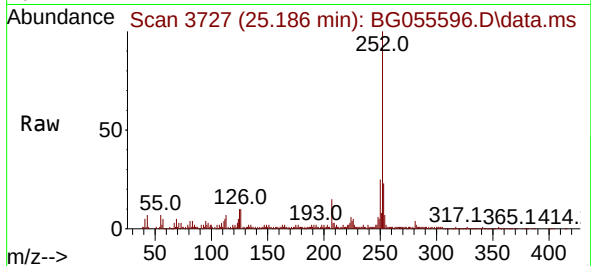




#90
Benzo(a)pyrene
Concen: 13.241 ng
RT: 25.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

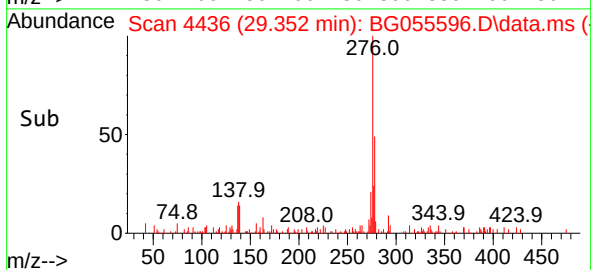
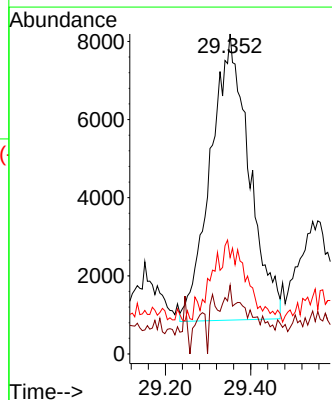
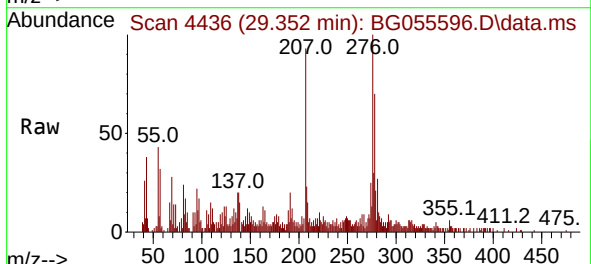
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

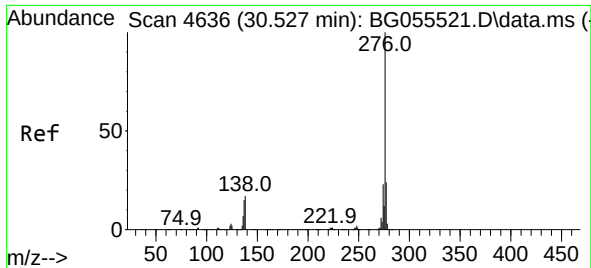
Tgt Ion:252 Resp: 237372
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.0 6.7 10.1



#91
Dibenzo(a,h)anthracene
Concen: 2.211 ng
RT: 29.352 min Scan# 4436
Delta R.T. -0.017 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

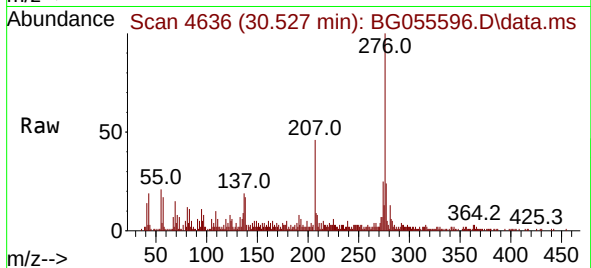
Tgt Ion:278 Resp: 45795
Ion Ratio Lower Upper
278 100
139 21.5 10.6 15.8#
279 30.2 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 7.258 ng
 RT: 30.527 min Scan# 4
 Delta R.T. -0.000 min
 Lab File: BG055596.D
 Acq: 12 Nov 2022 19:26

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111022



Tgt Ion:	276	Resp:	146927
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	17.1	13.9	20.9

