

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111422\
 Data File : BG055606.D
 Acq On : 14 Nov 2022 16:00
 Operator : CG/JU
 Sample : N5537-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 360

Quant Time: Nov 15 01:02:01 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)

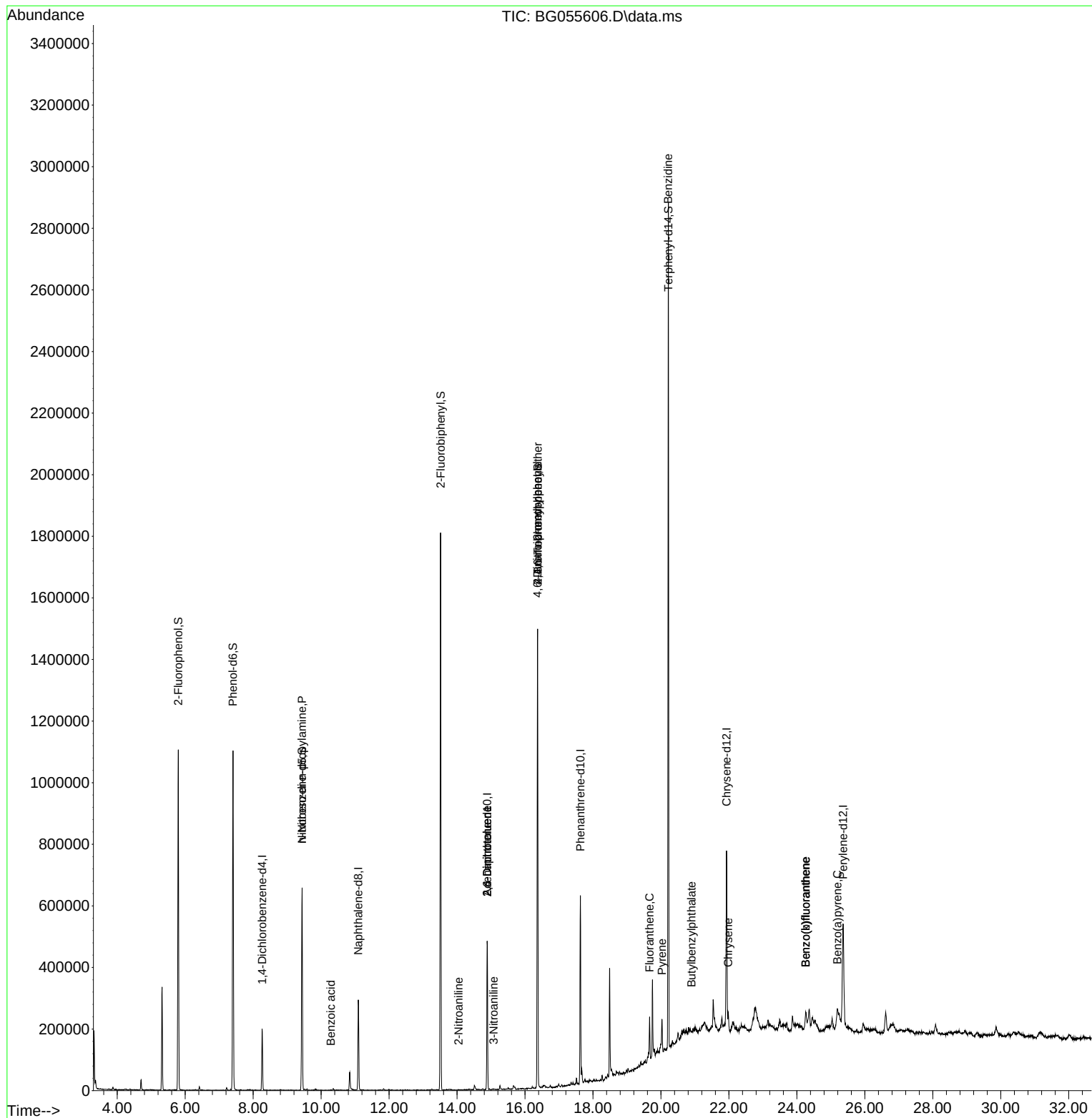
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.262	152	56934	20.000	ng	0.00
21) Naphthalene-d8	11.094	136	249563	20.000	ng	0.00
39) Acenaphthene-d10	14.884	164	180316	20.000	ng	0.00
64) Phenanthrene-d10	17.628	188	394974	20.000	ng	0.00
76) Chrysene-d12	21.928	240	367891	20.000	ng	0.00
86) Perylene-d12	25.360	264	391934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	453715	151.790	ng	0.00
7) Phenol-d6	7.404	99	605351	146.612	ng	0.00
23) Nitrobenzene-d5	9.437	82	383709	104.231	ng	0.00
42) 2,4,6-Tribromophenol	16.370	330	314737	178.894	ng	0.00
45) 2-Fluorobiphenyl	13.515	172	939448	78.588	ng	0.00
79) Terphenyl-d14	20.219	244	1393863	76.100	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.437	70	52560	15.403	ng	# 75
32) Benzoic acid	10.283	122	214	4.440	ng	# 69
48) 2-Nitroaniline	14.044	65	53	3.806	ng	# 8
51) 2,6-Dinitrotoluene	14.884	165	23685	12.340	ng	# 22
53) 3-Nitroaniline	15.078	138	140	3.823	ng	# 1
57) 2,4-Dinitrotoluene	14.884	165	23685	10.506	ng	# 23
65) 4,6-Dinitro-2-methylph...	16.364	198	870	2.808	ng	# 1
67) 4-Bromophenyl-phenylether	16.370	248	21105	5.238	ng	# 1
75) Fluoranthene	19.666	202	79872	3.155	ng	99
77) Benzidine	20.213	184	23402	2.351	ng	# 86
78) Pyrene	20.025	202	71271	2.862	ng	99
80) Butylbenzylphthalate	20.900	149	712	3.434	ng	# 66
83) Chrysene	21.975	228	50387	2.103	ng	96
88) Benzo(b)fluoranthene	24.255	252	74210	2.988	ng	# 95
89) Benzo(k)fluoranthene	24.255	252	74210	2.923	ng	# 95
90) Benzo(a)pyrene	25.189	252	45072	2.107	ng	# 87

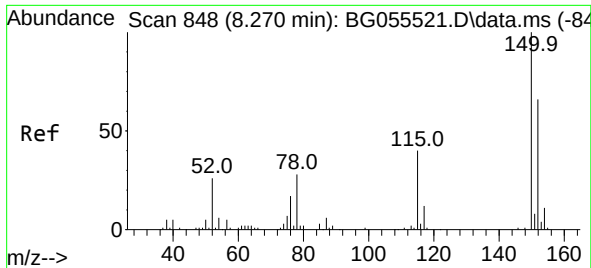
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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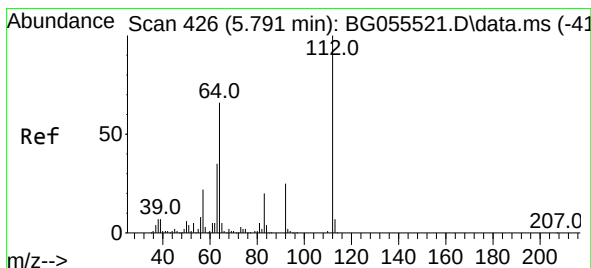
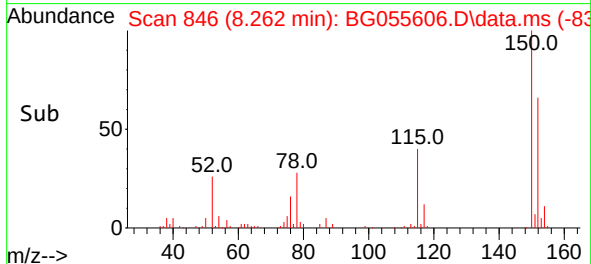
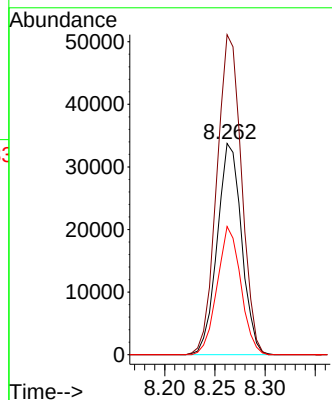
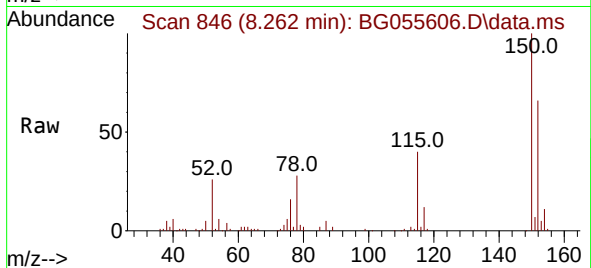




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.262 min Scan# 848
 Delta R.T. -0.008 min
 Lab File: BG055606.D
 Acq: 14 Nov 2022 16:00

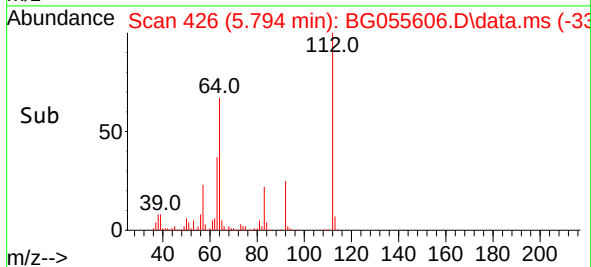
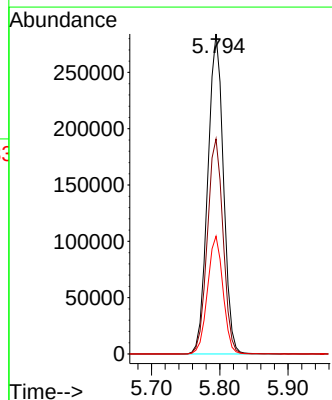
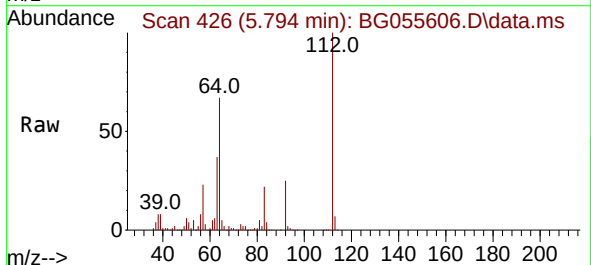
Instrument :
 BNA_G
 ClientSampleId :
 360

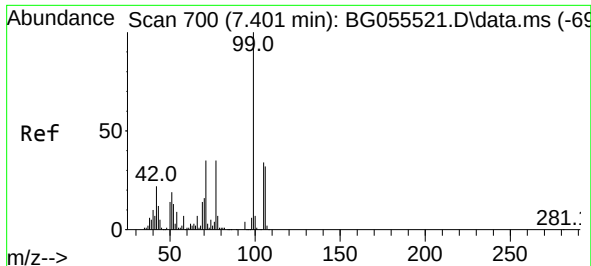
Tgt Ion:152 Resp: 56934
 Ion Ratio Lower Upper
 152 100
 150 151.6 121.0 181.4
 115 60.7 47.8 71.8



#5
 2-Fluorophenol
 Concen: 151.790 ng
 RT: 5.794 min Scan# 426
 Delta R.T. 0.003 min
 Lab File: BG055606.D
 Acq: 14 Nov 2022 16:00

Tgt Ion:112 Resp: 453715
 Ion Ratio Lower Upper
 112 100
 64 67.2 52.6 78.8
 63 36.8 28.3 42.5

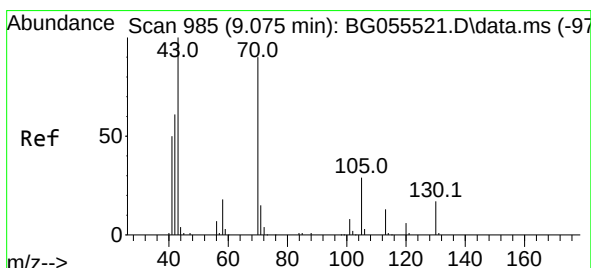
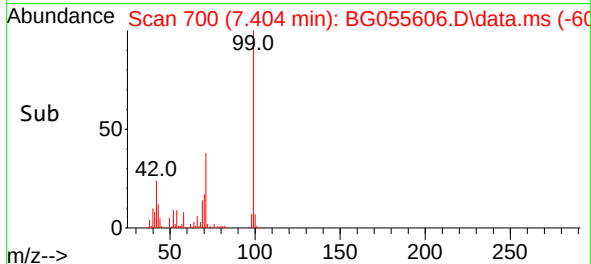
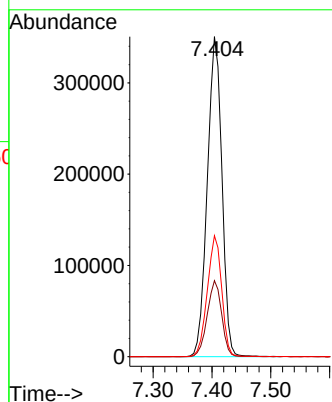
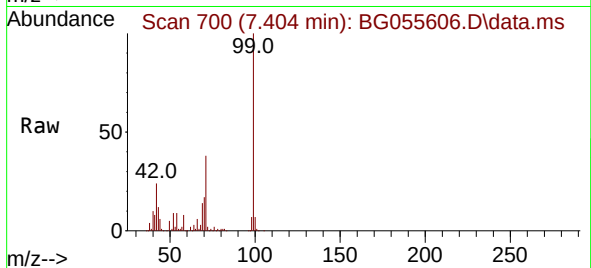




#7
Phenol-d6
Concen: 146.612 ng
RT: 7.404 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

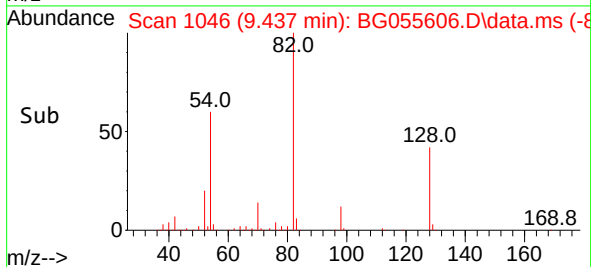
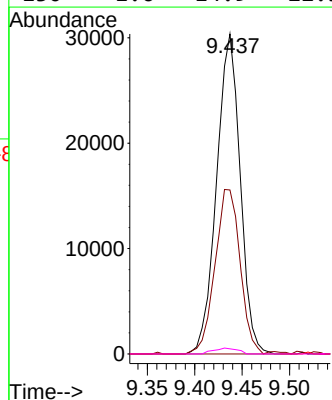
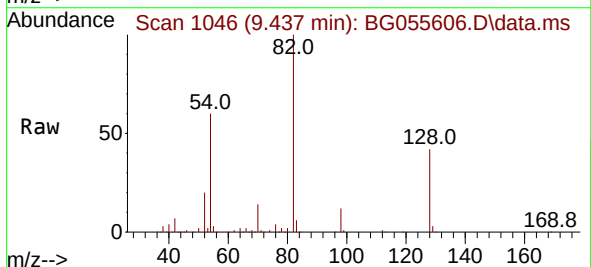
Instrument :
BNA_G
ClientSampleId :
360

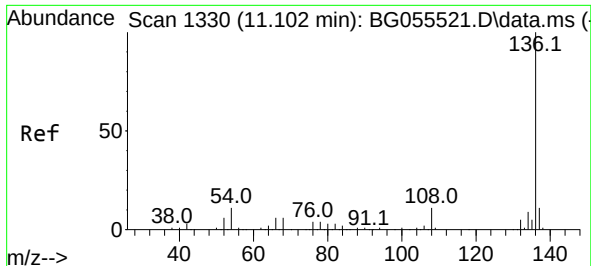
Tgt Ion: 99 Resp: 605351
Ion Ratio Lower Upper
99 100
42 23.8 17.5 26.3
71 37.8 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.403 ng
RT: 9.437 min Scan# 1046
Delta R.T. 0.362 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

Tgt Ion: 70 Resp: 52560
Ion Ratio Lower Upper
70 100
42 51.3 54.8 82.2#
101 0.0 6.8 10.2#
130 1.6 14.9 22.3#

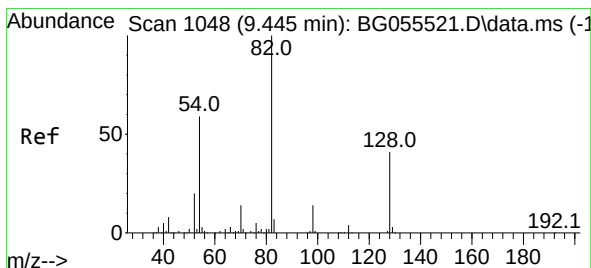
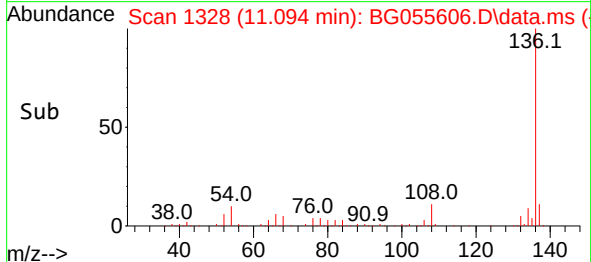
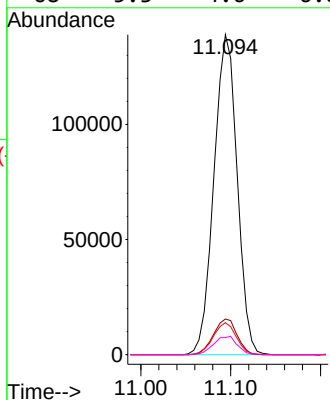
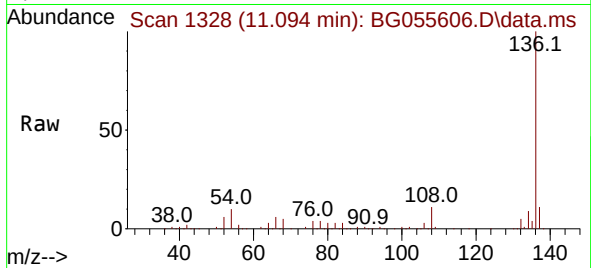




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.094 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

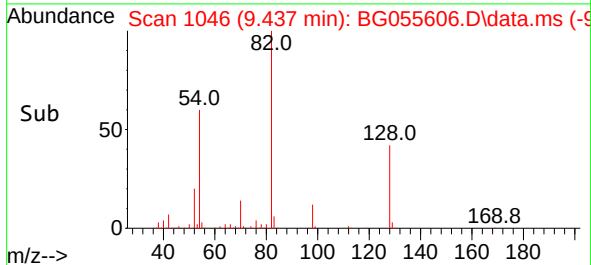
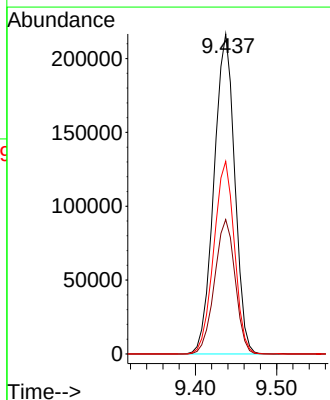
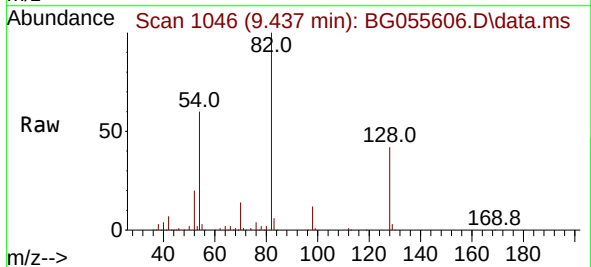
Instrument :
BNA_G
ClientSampleId :
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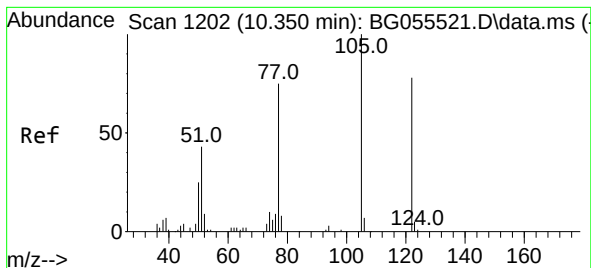
Tgt Ion:	136	Resp:	249563
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	10.0	8.6	12.8
68	5.3	4.6	6.8



#23
Nitrobenzene-d5
Concen: 104.231 ng
RT: 9.437 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

Tgt Ion:	82	Resp:	383709
Ion Ratio	Lower	Upper	
82	100		
128	42.0	32.6	49.0
54	60.2	47.3	70.9





#32

Benzoic acid

Concen: 4.440 ng

RT: 10.283 min Scan# 11

Delta R.T. -0.067 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

Instrument :

BNA_G

ClientSampleId :

360

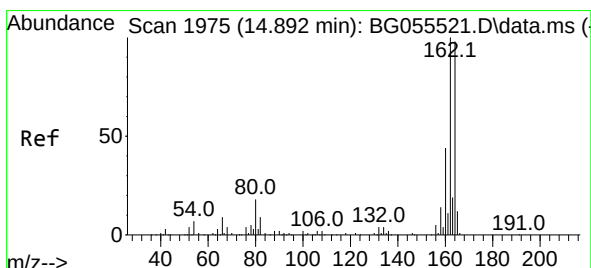
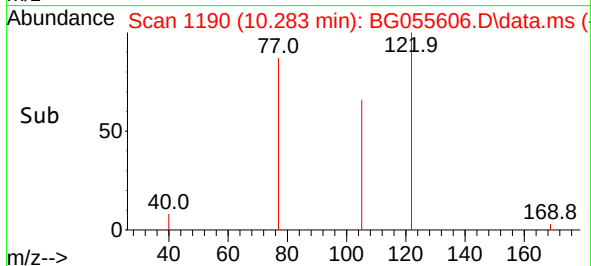
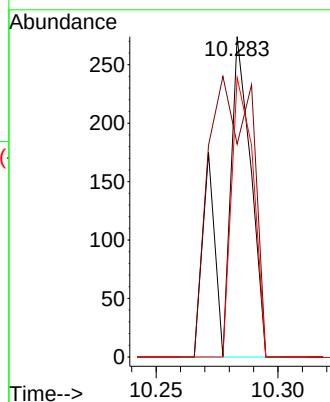
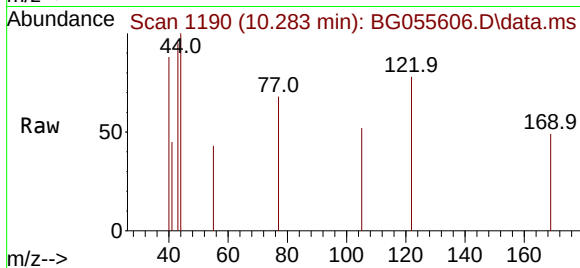
Tgt Ion:122 Resp: 214

Ion Ratio Lower Upper

122 100

105 66.4 101.2 141.2#

77 87.2 74.4 114.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.884 min Scan# 1973

Delta R.T. -0.008 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

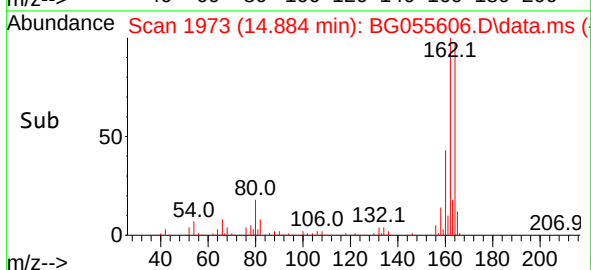
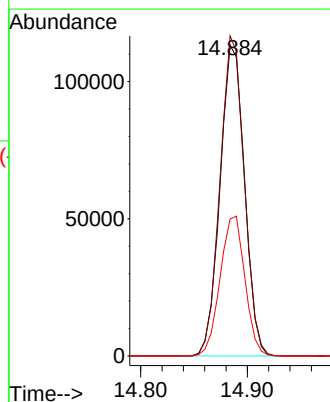
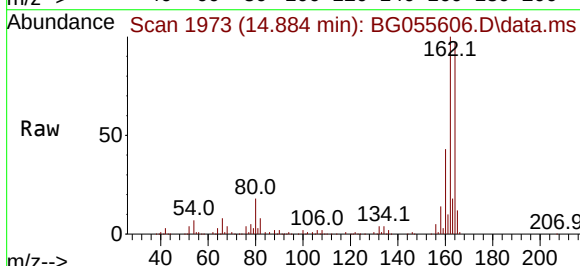
Tgt Ion:164 Resp: 180316

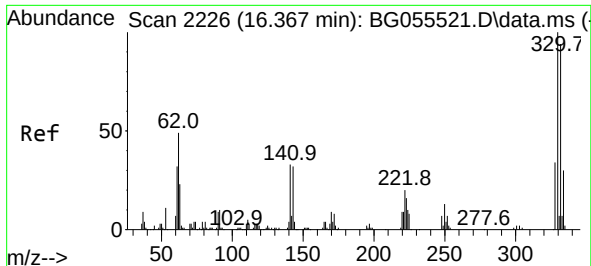
Ion Ratio Lower Upper

164 100

162 102.9 81.3 121.9

160 44.1 35.9 53.9

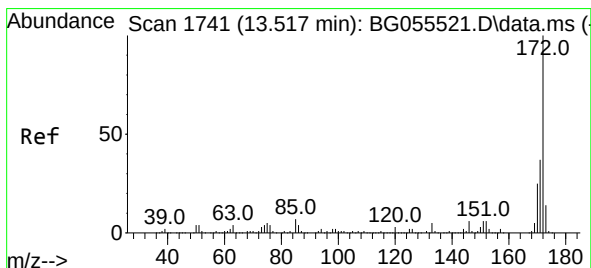
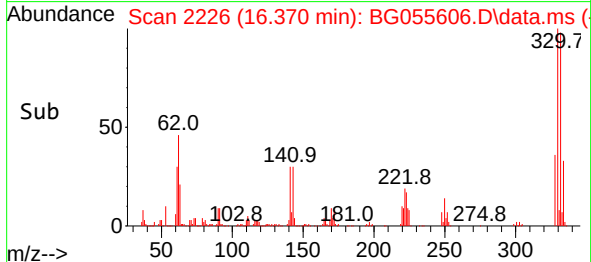
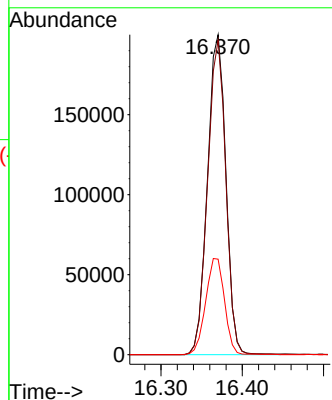
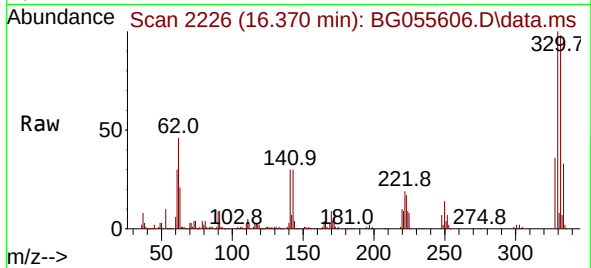




#42
 2,4,6-Tribromophenol
 Concen: 178.894 ng
 RT: 16.370 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG055606.D
 Acq: 14 Nov 2022 16:00

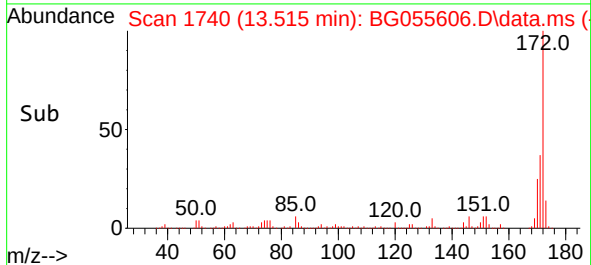
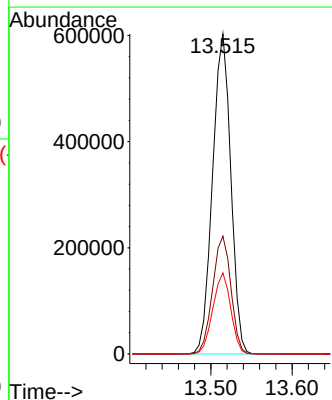
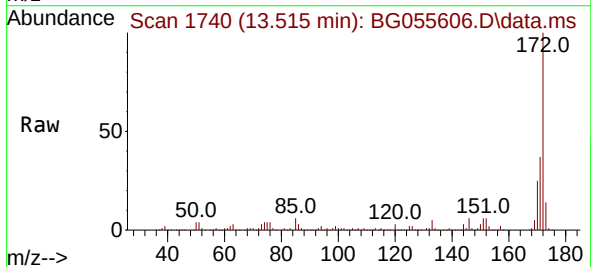
Instrument :
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 ClientSampleId :
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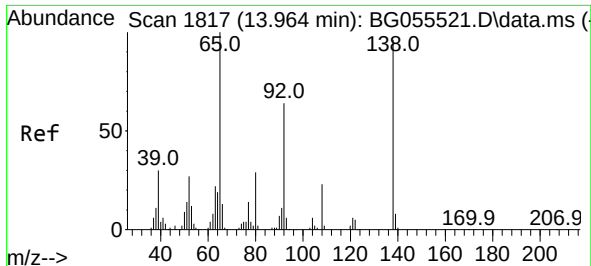
Tgt Ion:330 Resp: 314737
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.2
 141 30.8 25.4 38.2



#45
 2-Fluorobiphenyl
 Concen: 78.588 ng
 RT: 13.515 min Scan# 1740
 Delta R.T. -0.002 min
 Lab File: BG055606.D
 Acq: 14 Nov 2022 16:00

Tgt Ion:172 Resp: 939448
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 25.3 19.8 29.6

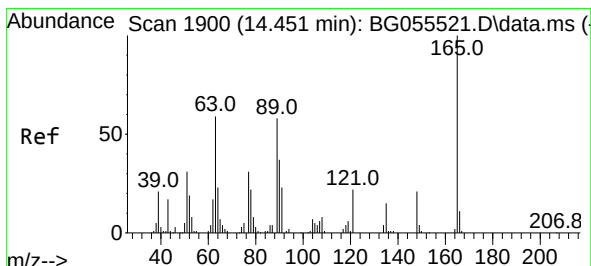
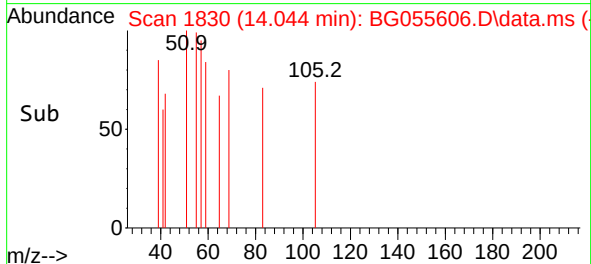
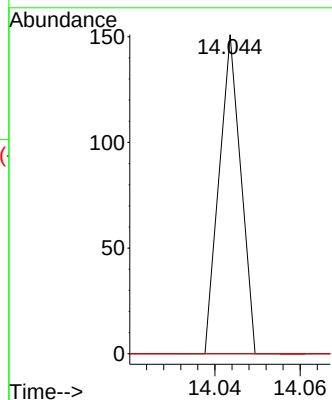
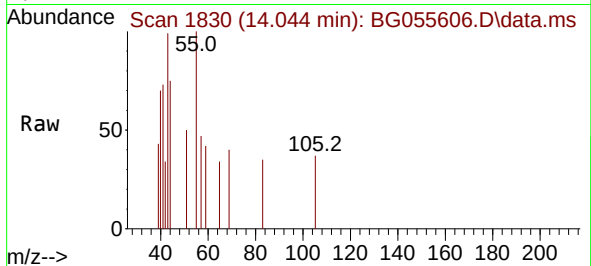




#48
2-Nitroaniline
Concen: 3.806 ng
RT: 14.044 min Scan# 11
Delta R.T. 0.080 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

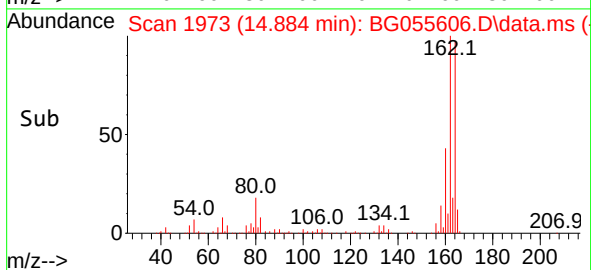
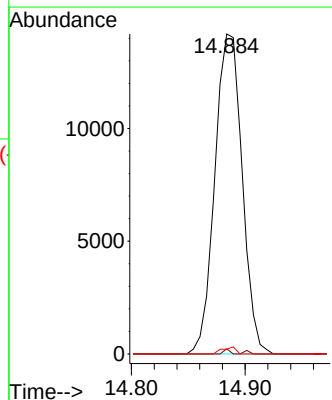
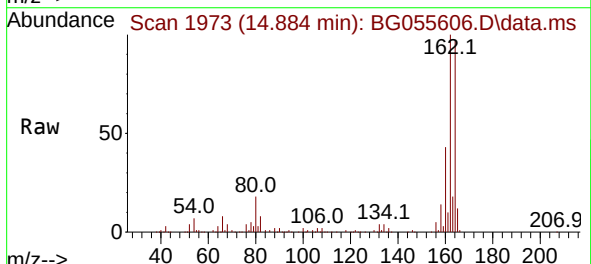
Instrument :
BNA_G
ClientSampleId :
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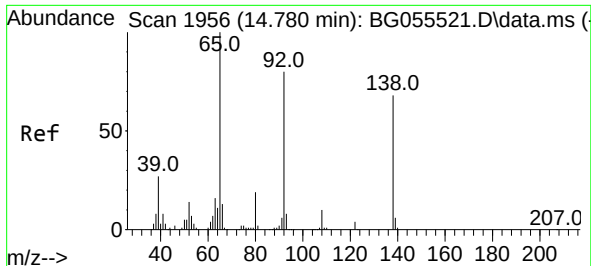
Tgt Ion: 65 Resp: 53
Ion Ratio Lower Upper
65 100
92 0.0 51.6 77.4#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.340 ng
RT: 14.884 min Scan# 1973
Delta R.T. 0.433 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

Tgt Ion: 165 Resp: 23685
Ion Ratio Lower Upper
165 100
63 1.6 50.1 75.1#
89 1.5 46.5 69.7#

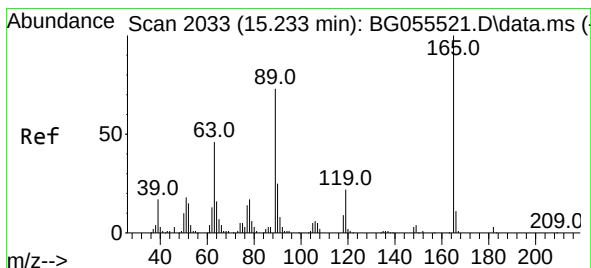
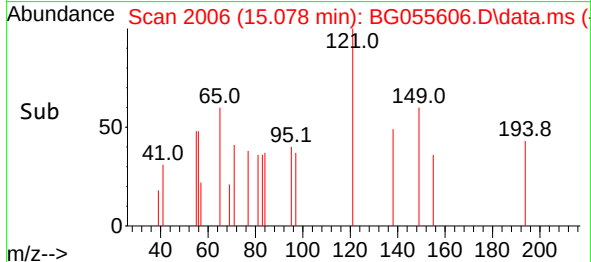
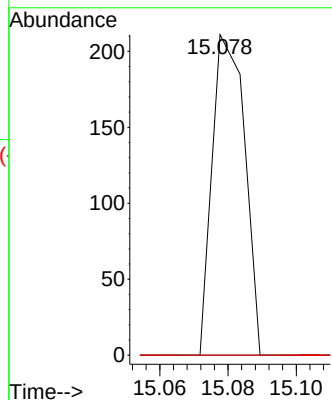
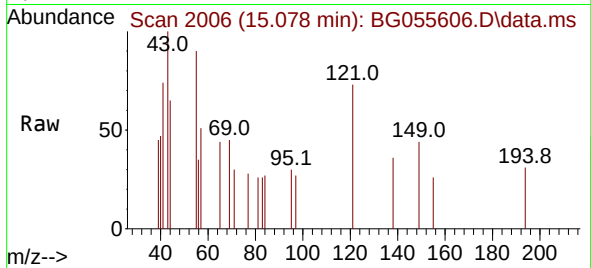




#53
3-Nitroaniline
Concen: 3.823 ng
RT: 15.078 min Scan# 20
Delta R.T. 0.298 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

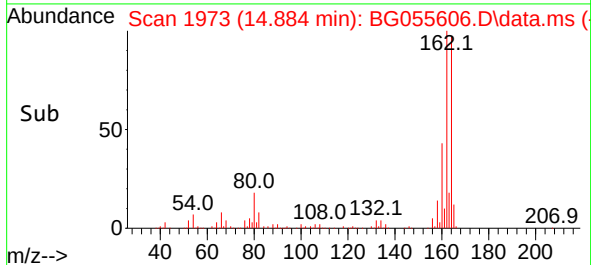
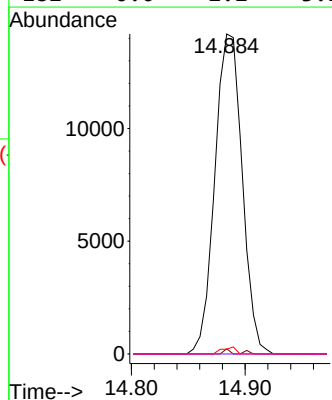
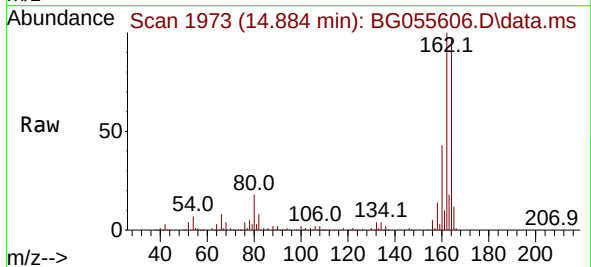
Instrument :
BNA_G
ClientSampleId :
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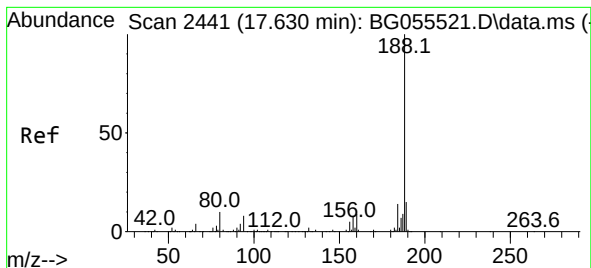
Tgt Ion:138 Resp: 140
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#



#57
2,4-Dinitrotoluene
Concen: 10.506 ng
RT: 14.884 min Scan# 1973
Delta R.T. -0.349 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

Tgt Ion:165 Resp: 23685
Ion Ratio Lower Upper
165 100
63 1.6 37.0 55.4#
89 1.5 58.6 87.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.628 min Scan# 2441

Delta R.T. -0.002 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

Instrument :

BNA_G

ClientSampleId :

360

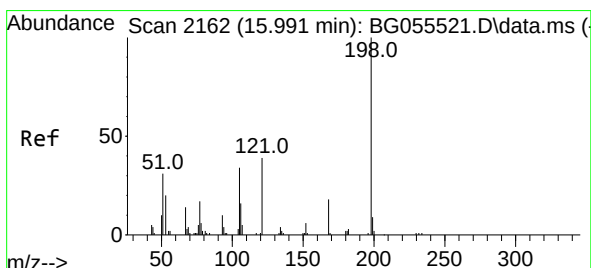
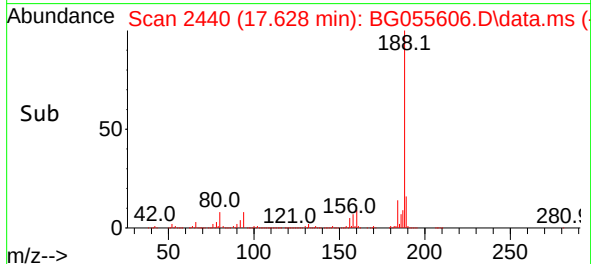
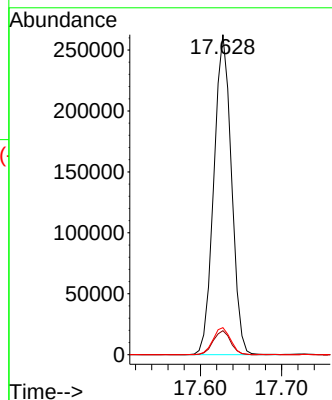
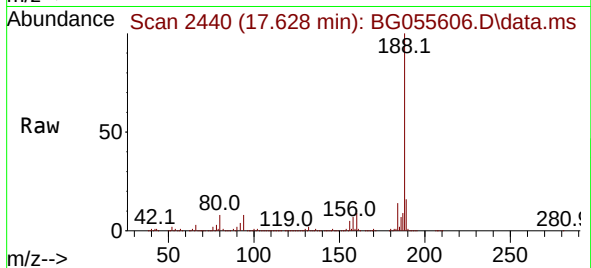
Tgt Ion:188 Resp: 394974

Ion Ratio Lower Upper

188 100

94 7.5 6.4 9.6

80 8.5 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 2.808 ng

RT: 16.364 min Scan# 2225

Delta R.T. 0.373 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

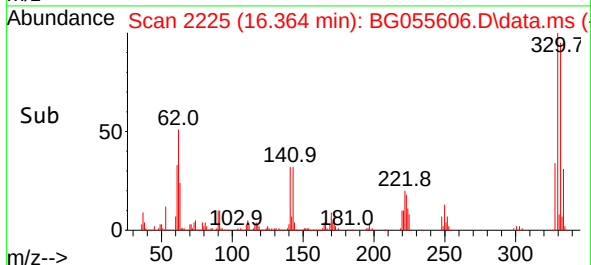
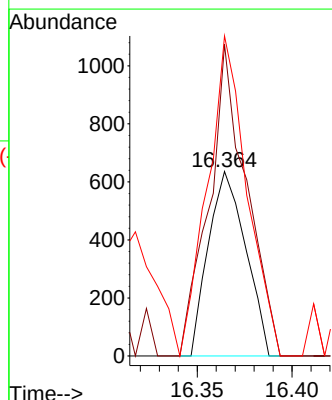
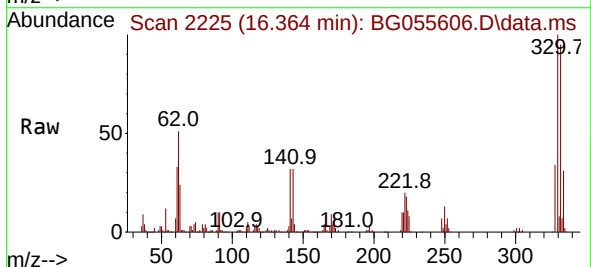
Tgt Ion:198 Resp: 870

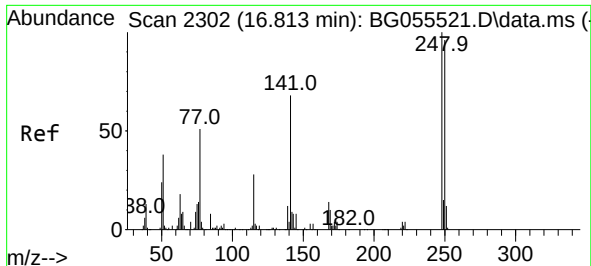
Ion Ratio Lower Upper

198 100

51 168.9 24.7 64.7#

105 173.4 17.6 57.6#

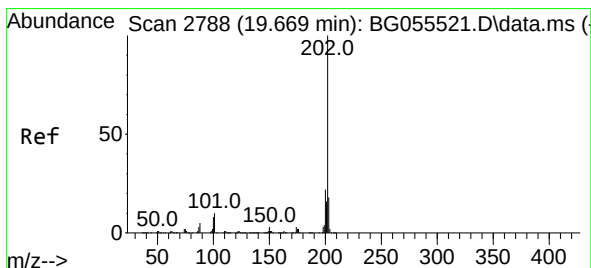
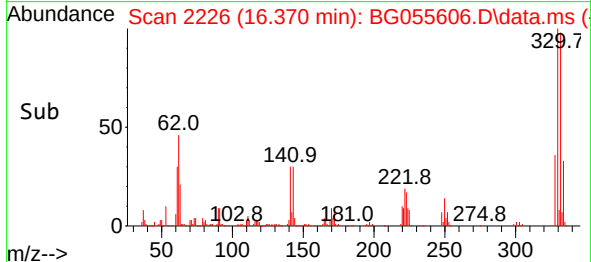
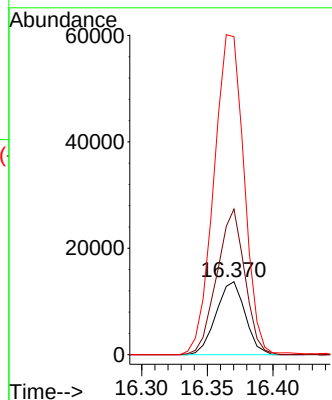
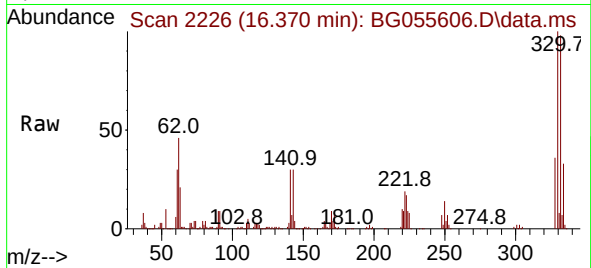




#67
4-Bromophenyl-phenylether
Concen: 5.238 ng
RT: 16.370 min Scan# 211
Delta R.T. -0.443 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

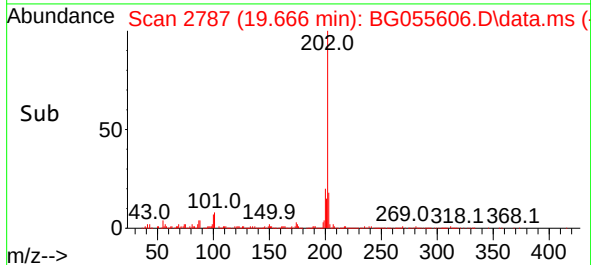
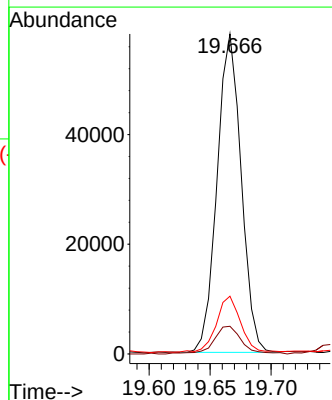
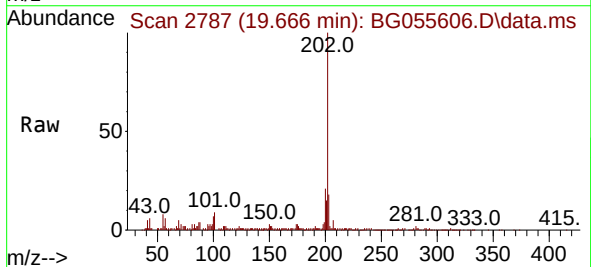
Instrument :
BNA_G
ClientSampleId :
360

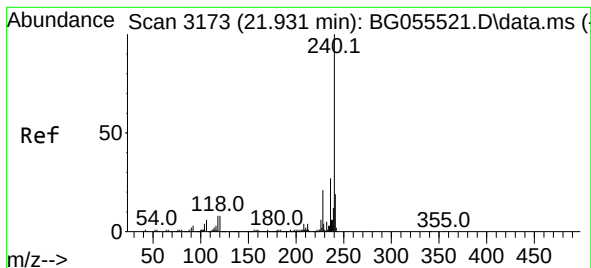
Tgt Ion:248 Resp: 21105
Ion Ratio Lower Upper
248 100
250 199.8 76.9 115.3#
141 436.0 54.3 81.5#



#75
Fluoranthene
Concen: 3.155 ng
RT: 19.666 min Scan# 2787
Delta R.T. -0.003 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

Tgt Ion:202 Resp: 79872
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.8
203 18.0 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.928 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

Instrument :

BNA_G

ClientSampleId :

360

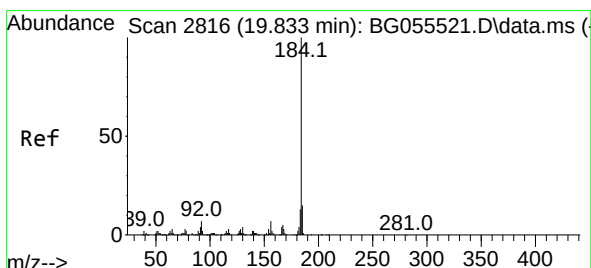
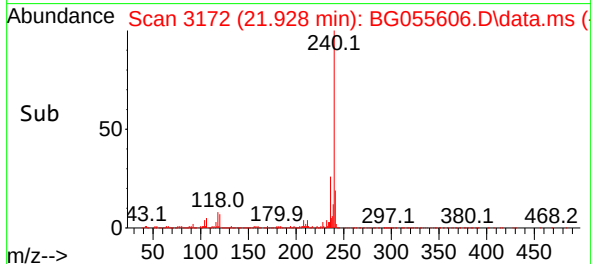
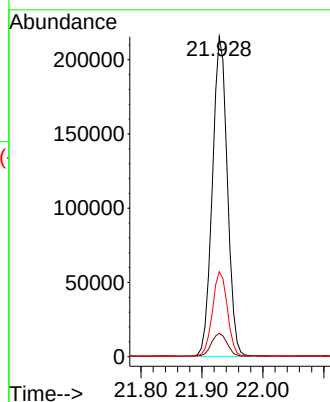
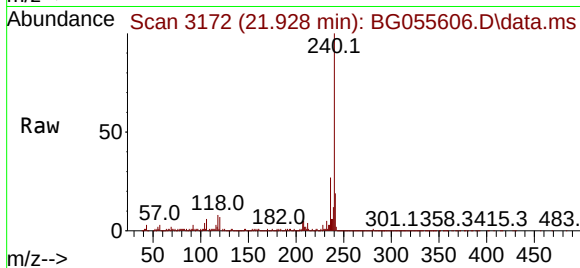
Tgt Ion:240 Resp: 367891

Ion Ratio Lower Upper

240 100

120 7.3 6.1 9.1

236 26.5 21.4 32.0



#77

Benzidine

Concen: 2.351 ng

RT: 20.213 min Scan# 2880

Delta R.T. 0.380 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

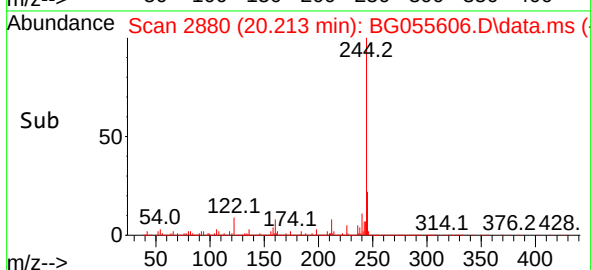
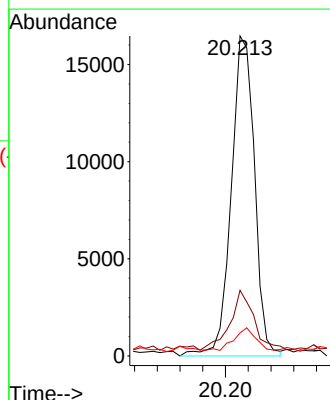
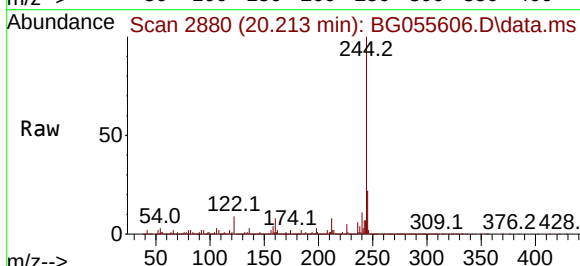
Tgt Ion:184 Resp: 23402

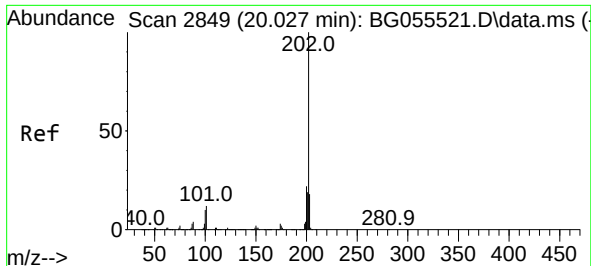
Ion Ratio Lower Upper

184 100

185 20.5 12.0 18.0#

183 7.2 10.2 15.2#

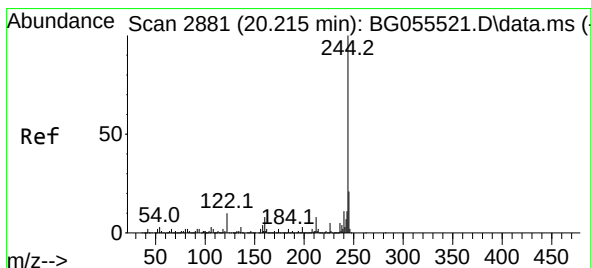
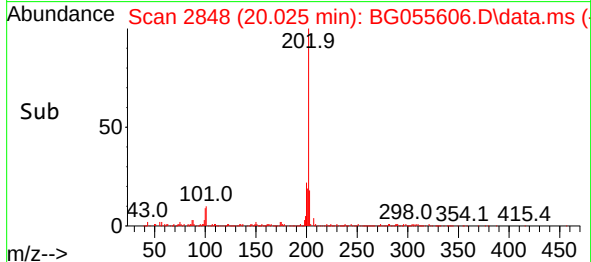
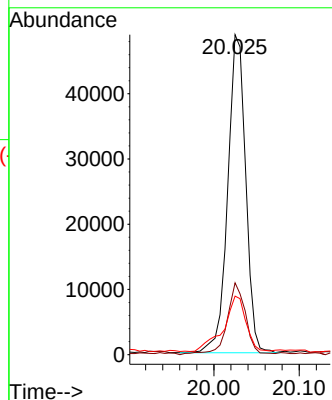
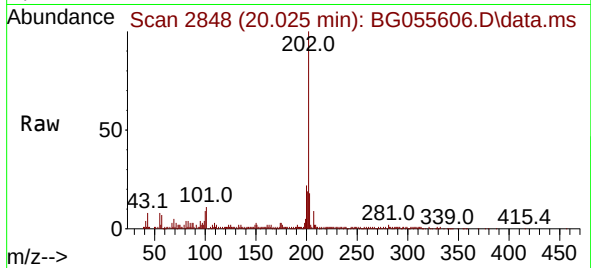




#78
 Pyrene
 Concen: 2.862 ng
 RT: 20.025 min Scan# 2848
 Delta R.T. -0.002 min
 Lab File: BG055606.D
 Acq: 14 Nov 2022 16:00

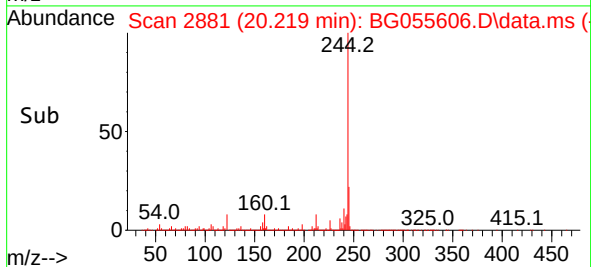
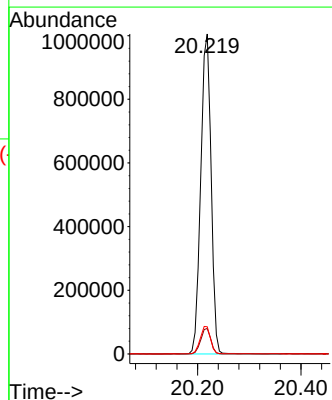
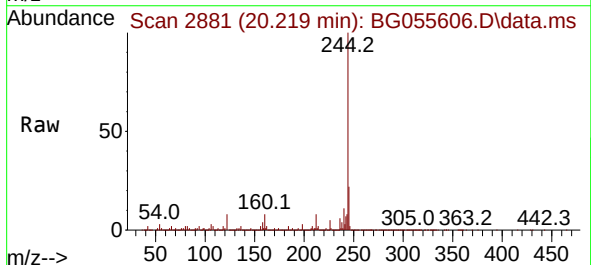
Instrument :
 BNA_G
 ClientSampleId :
 360

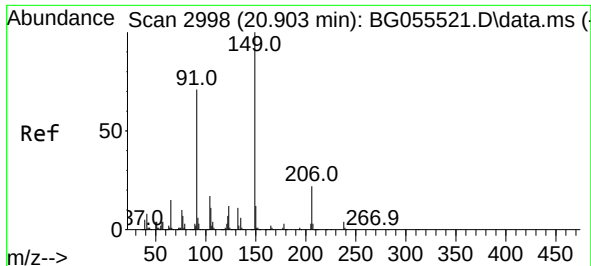
Tgt Ion:202 Resp: 71271
 Ion Ratio Lower Upper
 202 100
 200 22.4 18.0 27.0
 203 18.3 14.2 21.2



#79
 Terphenyl-d14
 Concen: 76.100 ng
 RT: 20.219 min Scan# 2881
 Delta R.T. 0.004 min
 Lab File: BG055606.D
 Acq: 14 Nov 2022 16:00

Tgt Ion:244 Resp: 1393863
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 8.5 7.7 11.5

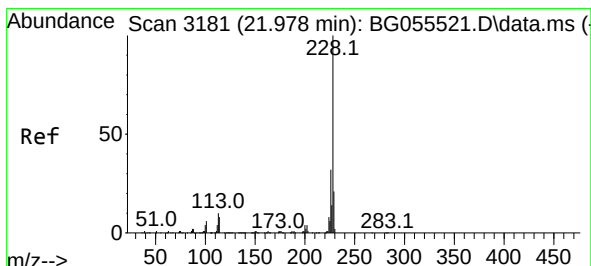
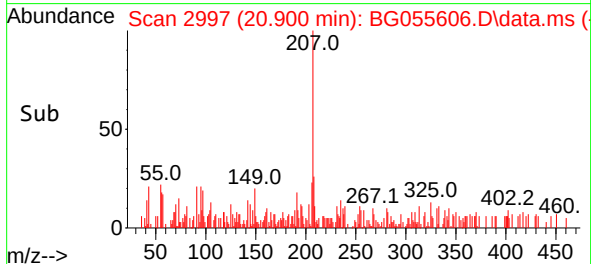
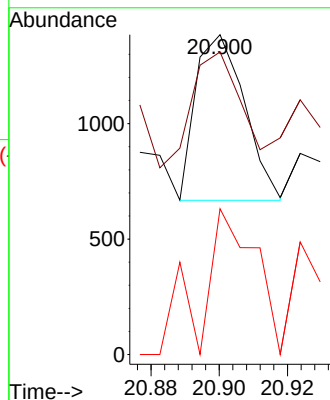
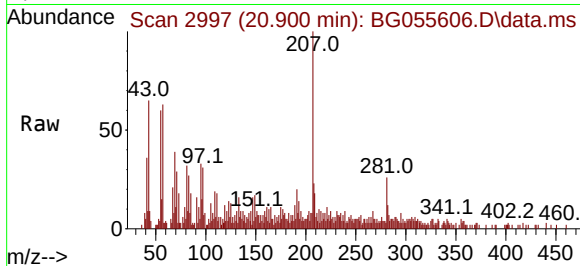




#80
Butylbenzylphthalate
Concen: 3.434 ng
RT: 20.900 min Scan# 2998
Delta R.T. -0.003 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

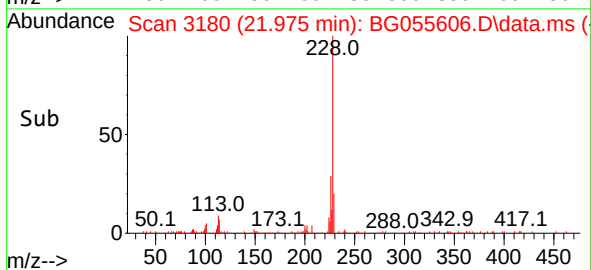
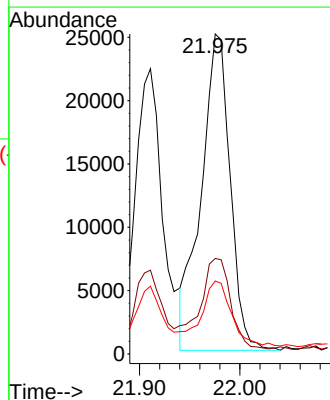
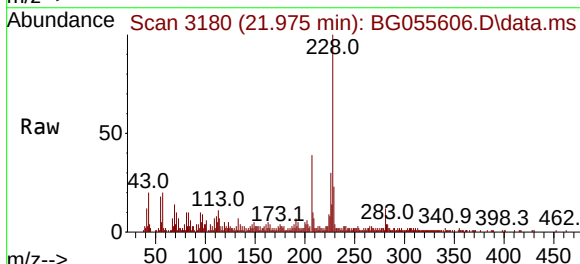
Instrument :
BNA_G
ClientSampleId :
360

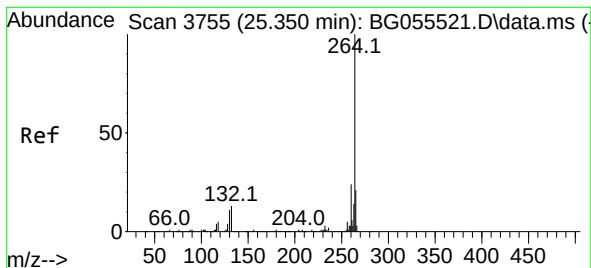
Tgt Ion:149 Resp: 712
Ion Ratio Lower Upper
149 100
91 94.6 56.8 85.2#
206 45.6 17.3 25.9#



#83
Chrysene
Concen: 2.103 ng
RT: 21.975 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG055606.D
Acq: 14 Nov 2022 16:00

Tgt Ion:228 Resp: 50387
Ion Ratio Lower Upper
228 100
226 29.8 25.7 38.5
229 22.8 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.360 min Scan# 31

Delta R.T. 0.010 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

Instrument :

BNA_G

ClientSampleId :

360

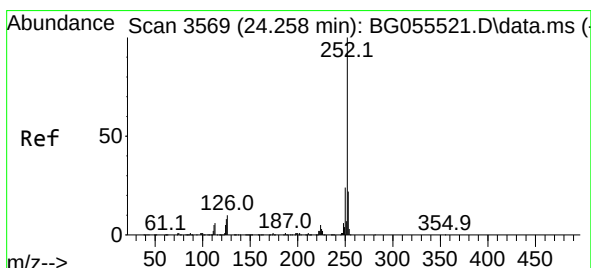
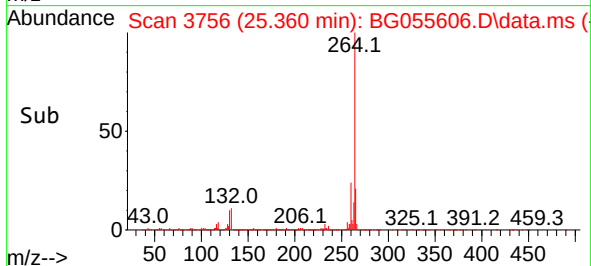
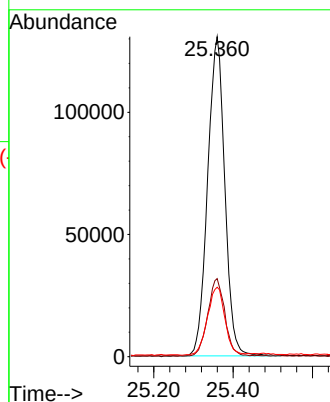
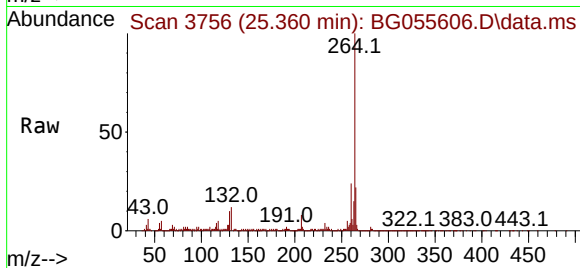
Tgt Ion:264 Resp: 391934

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.7 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 2.988 ng

RT: 24.255 min Scan# 3568

Delta R.T. -0.003 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

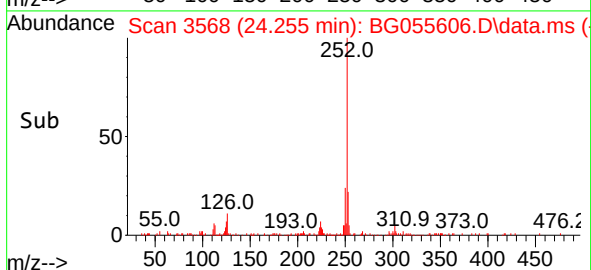
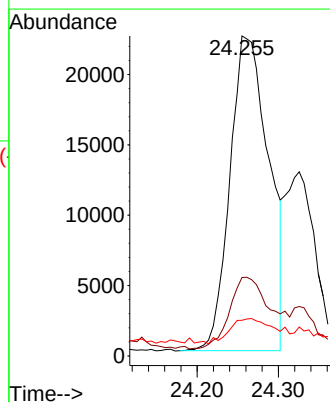
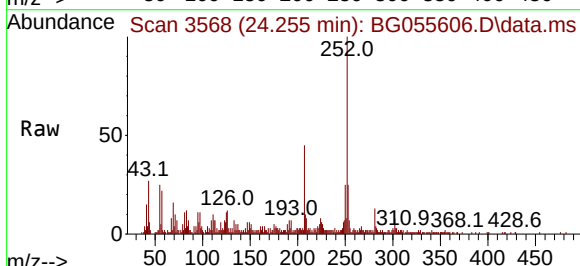
Tgt Ion:252 Resp: 74210

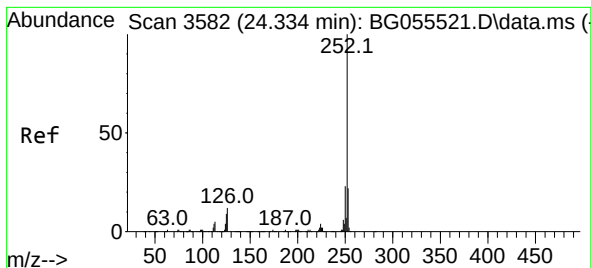
Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

125 11.2 6.7 10.1#





#89

Benzo(k)fluoranthene

Concen: 2.923 ng

RT: 24.255 min Scan# 31

Delta R.T. -0.079 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

Instrument :

BNA_G

ClientSampleId :

360

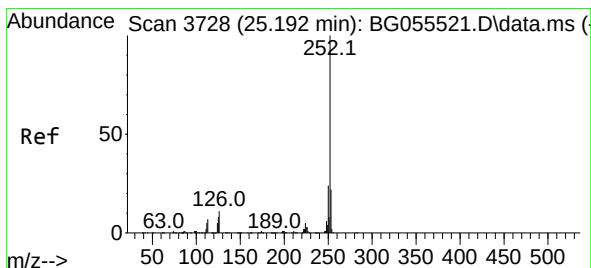
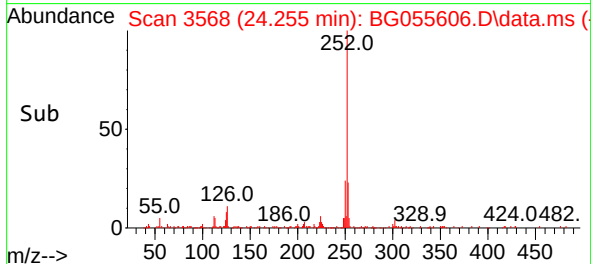
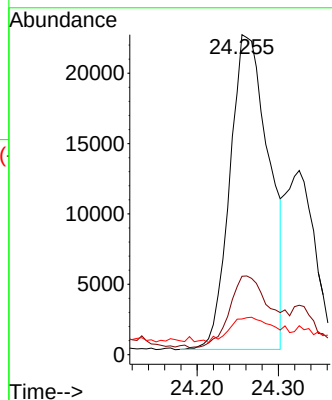
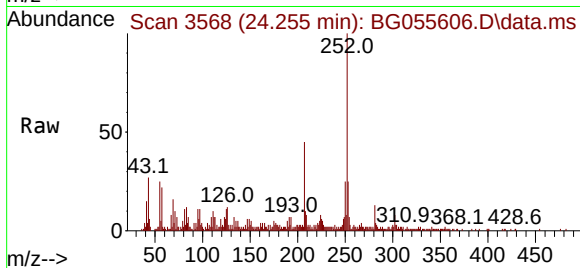
Tgt Ion:252 Resp: 74210

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 11.2 6.9 10.3#



#90

Benzo(a)pyrene

Concen: 2.107 ng

RT: 25.189 min Scan# 3727

Delta R.T. -0.003 min

Lab File: BG055606.D

Acq: 14 Nov 2022 16:00

Tgt Ion:252 Resp: 45072

Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.6#

125 15.7 6.7 10.1#

