

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
 Data File : BG056425.D
 Acq On : 25 Jan 2023 15:16
 Operator : CG/JU
 Sample : 01271-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-3-012423

Quant Time: Jan 26 01:11:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

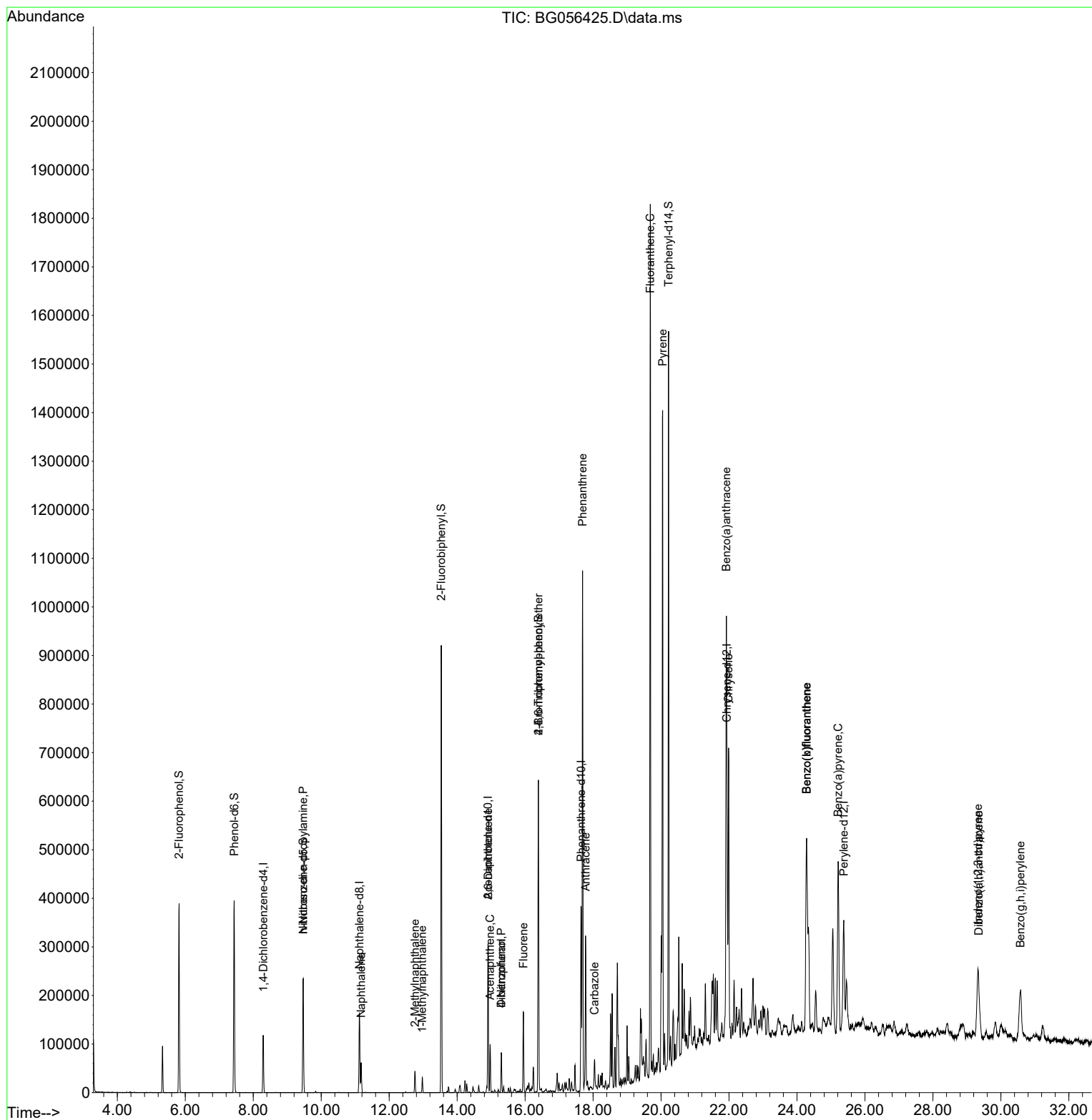
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.296	152	41079	20.000	ng	0.00
21) Naphthalene-d8	11.128	136	158713	20.000	ng	0.00
39) Acenaphthene-d10	14.906	164	121005	20.000	ng	0.00
64) Phenanthrene-d10	17.644	188	276887	20.000	ng	0.00
76) Chrysene-d12	21.939	240	254095	20.000	ng	# 0.00
86) Perylene-d12	25.376	264	276563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.817	112	224931	97.766	ng	0.00
7) Phenol-d6	7.438	99	314833	89.106	ng	0.00
23) Nitrobenzene-d5	9.471	82	166629	53.703	ng	0.00
42) 2,4,6-Tribromophenol	16.392	330	140716	91.821	ng	0.00
45) 2-Fluorobiphenyl	13.531	172	528895	60.357	ng	0.00
79) Terphenyl-d14	20.223	244	816028	57.520	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.471	70	20071	9.342	ng	# 76
31) Naphthalene	11.175	128	57979	6.941	ng	99
37) 2-Methylnaphthalene	12.755	142	24348	3.452	ng	96
38) 1-Methylnaphthalene	12.973	142	16174	2.470	ng	95
51) 2,6-Dinitrotoluene	14.912	165	16817	8.080	ng	# 32
52) Acenaphthene	14.971	154	38140	5.268	ng	100
55) Dibenzofuran	15.300	168	56644	4.728	ng	99
56) 4-Nitrophenol	15.300	139	18078	11.866	ng	# 3
58) Fluorene	15.952	166	82238	8.535	ng	97
67) 4-Bromophenyl-phenylether	16.392	248	10825	3.070	ng	# 1
71) Phenanthrene	17.691	178	729916	50.868	ng	99
72) Anthracene	17.779	178	223793	15.119	ng	99
73) Carbazole	18.043	167	43327	3.482	ng	96
75) Fluoranthene	19.683	202	1198551	64.034	ng	99
78) Pyrene	20.047	202	998133	55.731	ng	98
81) Benzo(a)anthracene	21.921	228	570468	31.965	ng	99
83) Chrysene	21.986	228	459049	27.460	ng	96
87) Indeno(1,2,3-cd)pyrene	29.324	276	276024	13.723	ng	# 97
88) Benzo(b)fluoranthene	24.283	252	596830	33.965	ng	98
89) Benzo(k)fluoranthene	24.283	252	596830	34.109	ng	98
90) Benzo(a)pyrene	25.211	252	445377	25.987	ng	# 97
91) Dibenzo(a,h)anthracene	29.348	278	36159	2.144	ng	# 86
92) Benzo(g,h,i)perylene	30.576	276	243248	14.875	ng	98

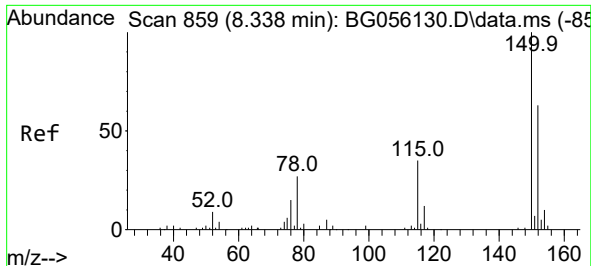
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012523\
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Quant Time: Jan 26 01:11:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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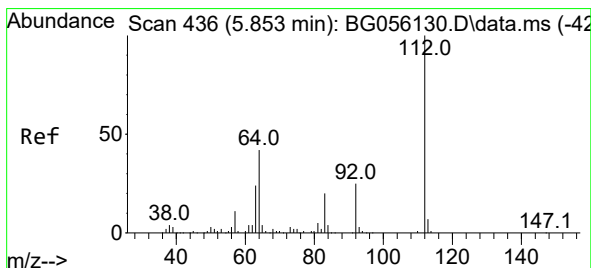
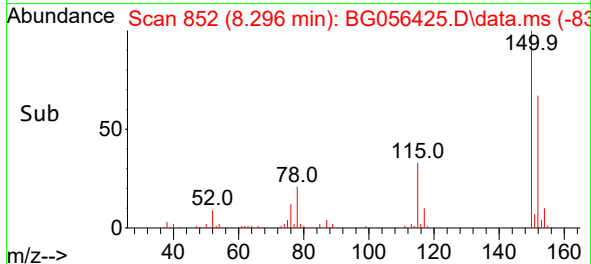
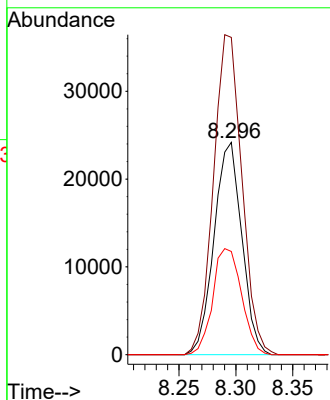
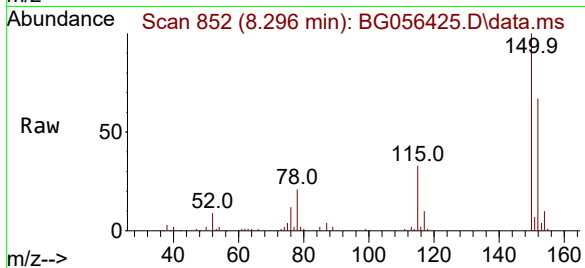




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.296 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

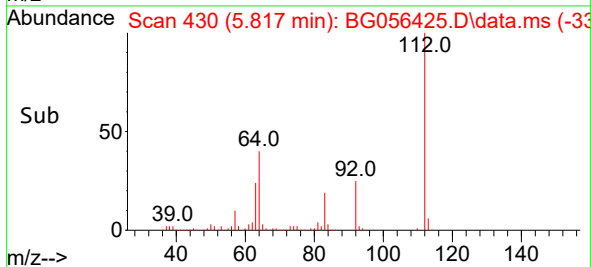
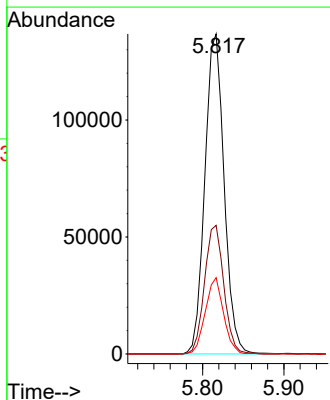
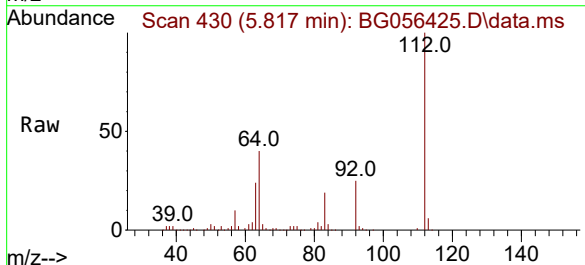
Instrument :
BNA_G
ClientSampleId :
SU-3-012423

Tgt Ion:152 Resp: 41079
Ion Ratio Lower Upper
152 100
150 149.5 127.9 191.9
115 48.6 44.2 66.2



#5
2-Fluorophenol
Concen: 97.766 ng
RT: 5.817 min Scan# 430
Delta R.T. 0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:112 Resp: 224931
Ion Ratio Lower Upper
112 100
64 40.2 33.3 49.9
63 23.9 19.0 28.4

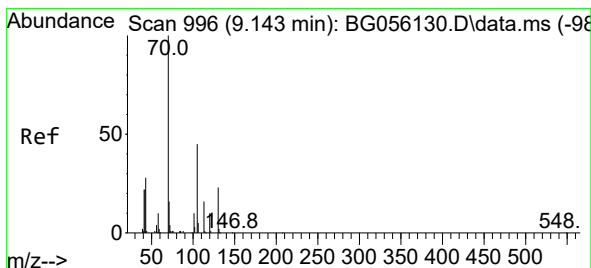
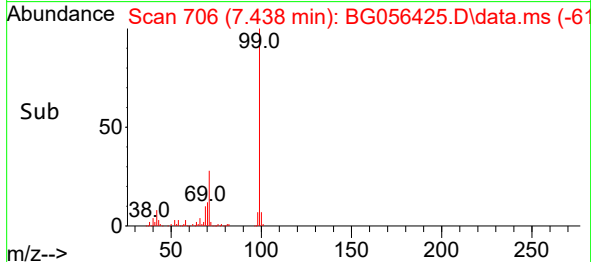
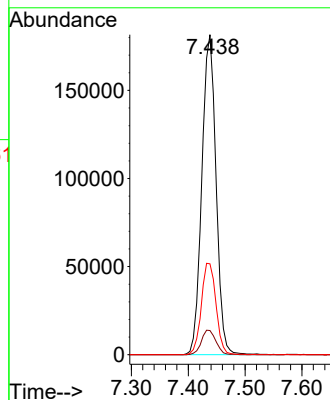
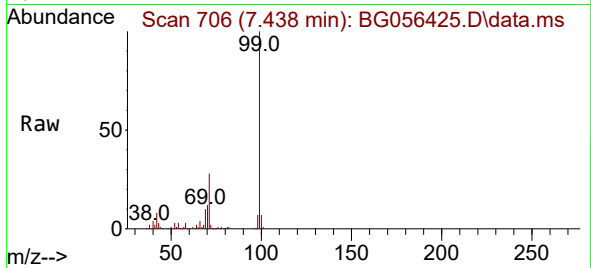




#7
Phenol-d6
Concen: 89.106 ng
RT: 7.438 min Scan# 706
Delta R.T. 0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

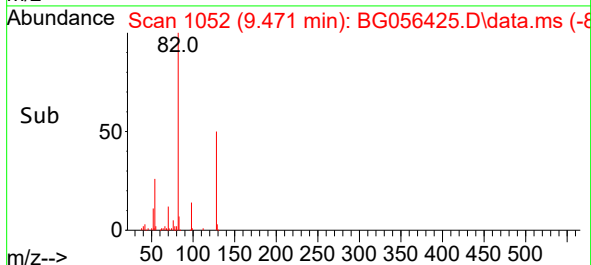
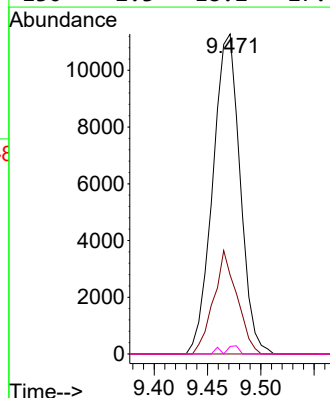
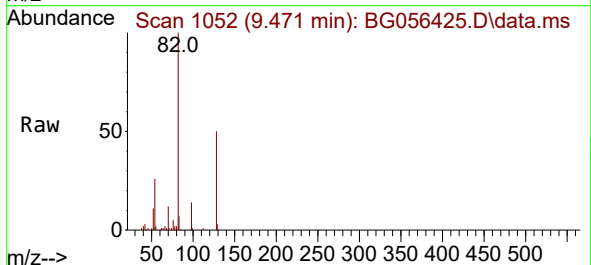
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ClientSampleId :
SU-3-012423

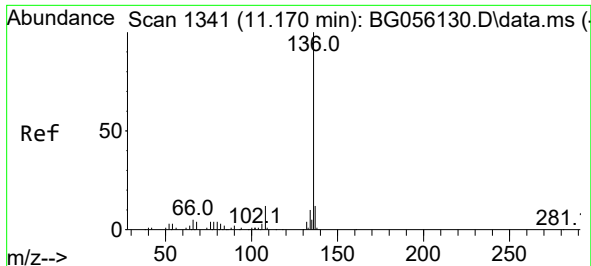
Tgt Ion: 99 Resp: 314833
Ion Ratio Lower Upper
99 100
42 7.5 5.9 8.9
71 28.4 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.342 ng
RT: 9.471 min Scan# 1052
Delta R.T. 0.373 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion: 70 Resp: 20071
Ion Ratio Lower Upper
70 100
42 24.6 18.2 27.2
101 0.0 8.3 12.5#
130 2.3 18.2 27.4#

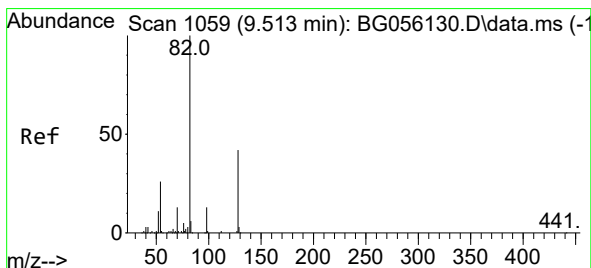
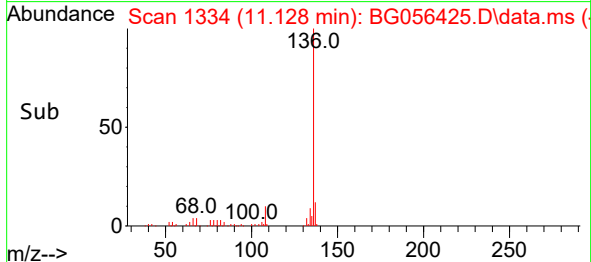
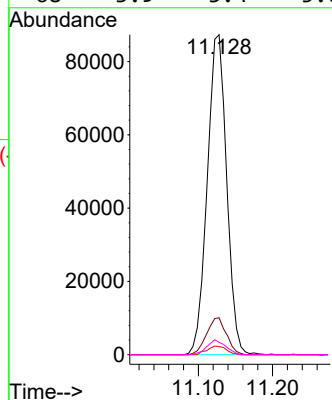
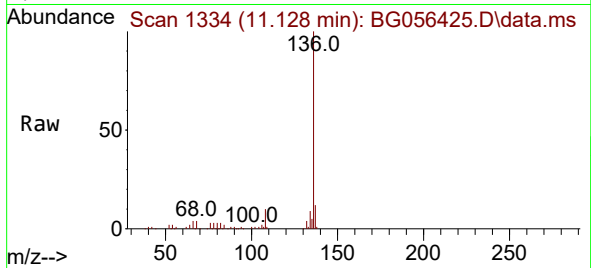




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.128 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

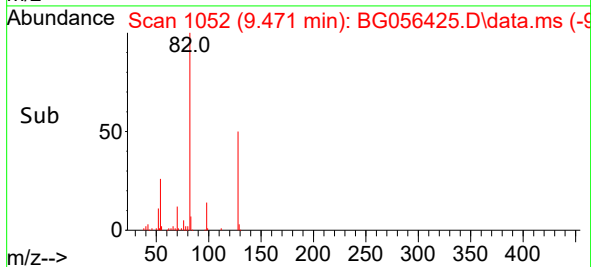
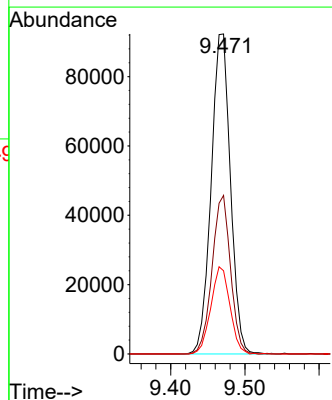
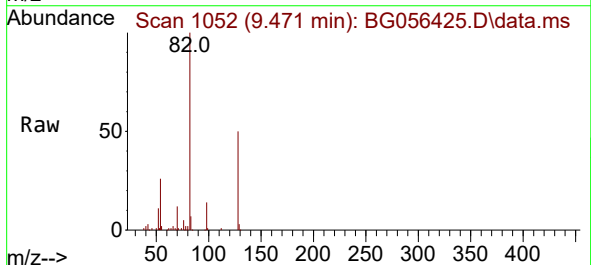
Instrument :
BNA_G
ClientSampleId :
SU-3-012423

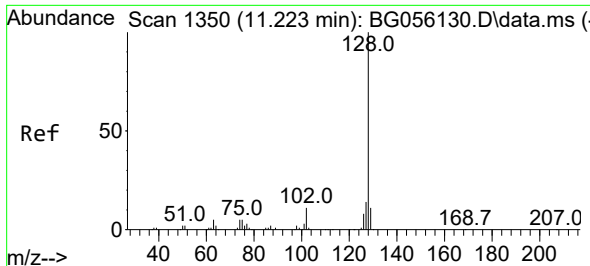
Tgt Ion:136 Resp: 158713
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.5 2.2 3.2
68 3.9 3.4 5.0



#23
Nitrobenzene-d5
Concen: 53.703 ng
RT: 9.471 min Scan# 1052
Delta R.T. -0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion: 82 Resp: 166629
Ion Ratio Lower Upper
82 100
128 49.6 33.4 50.2
54 26.0 20.3 30.5

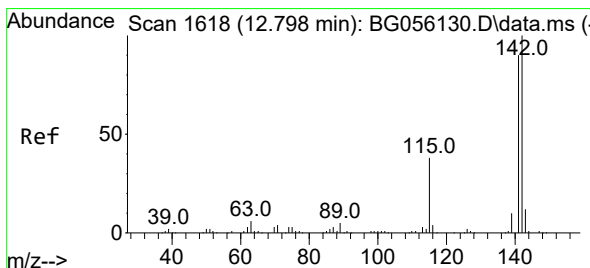
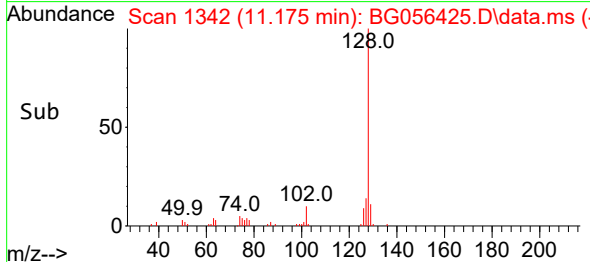
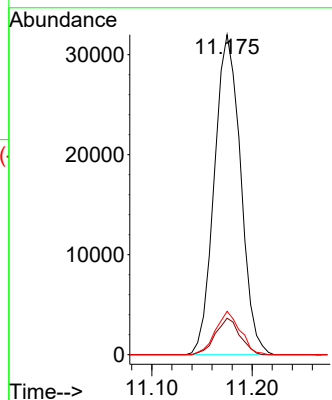
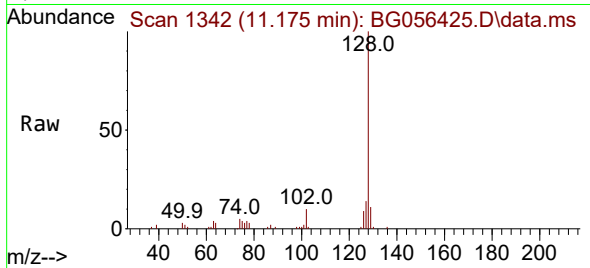




#31
Naphthalene
Concen: 6.941 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

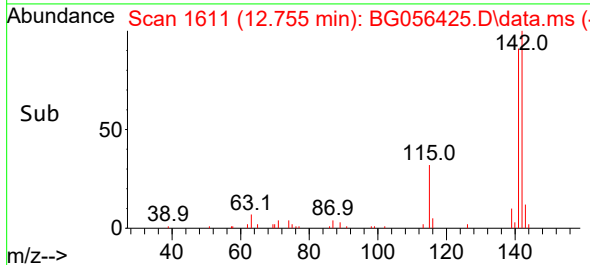
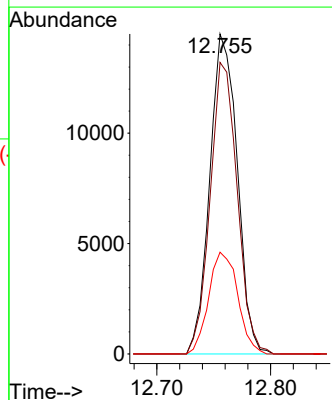
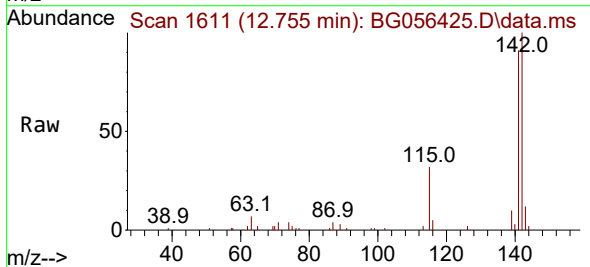
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BNA_G
ClientSampleId :
SU-3-012423

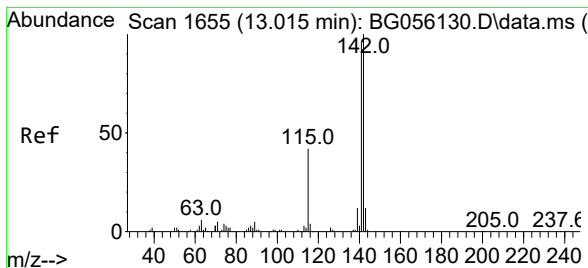
Tgt Ion:128 Resp: 57979
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.6 11.2 16.8



#37
2-Methylnaphthalene
Concen: 3.452 ng
RT: 12.755 min Scan# 1611
Delta R.T. -0.009 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:142 Resp: 24348
Ion Ratio Lower Upper
142 100
141 91.1 72.2 108.4
115 31.8 30.7 46.1

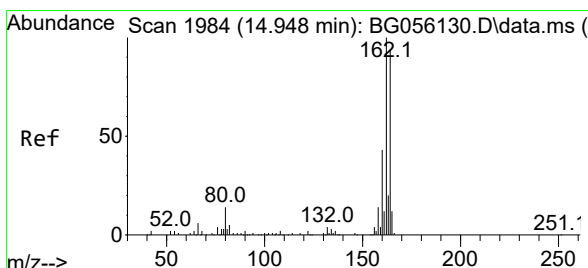
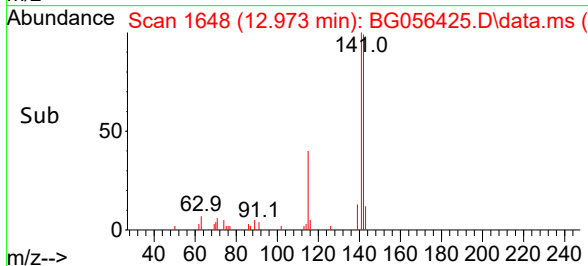
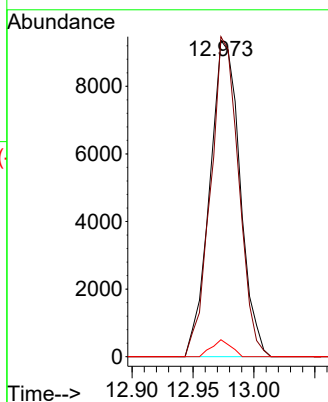
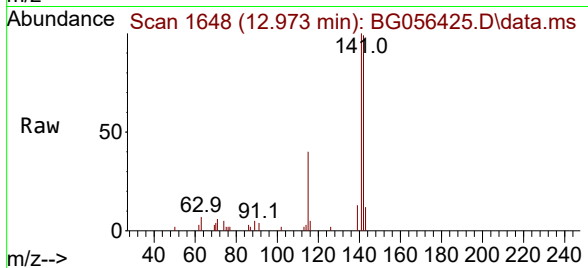




#38
1-Methylnaphthalene
Concen: 2.470 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

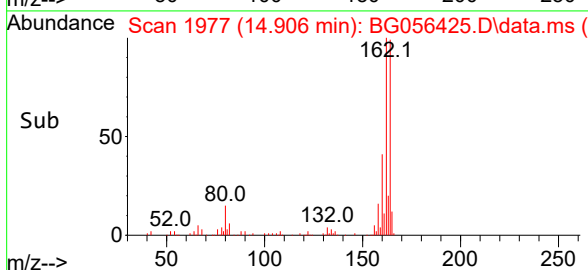
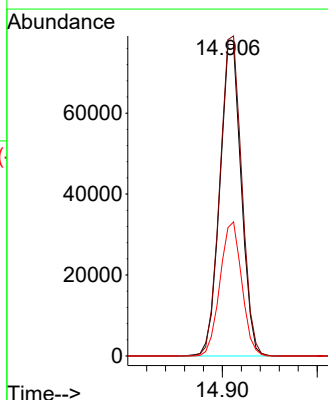
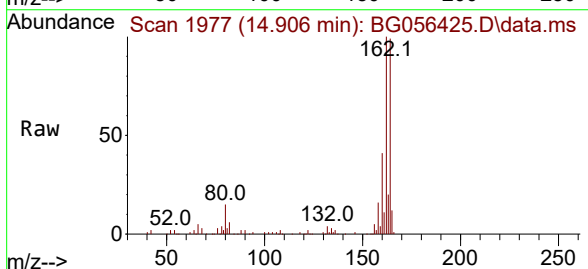
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ClientSampleId :
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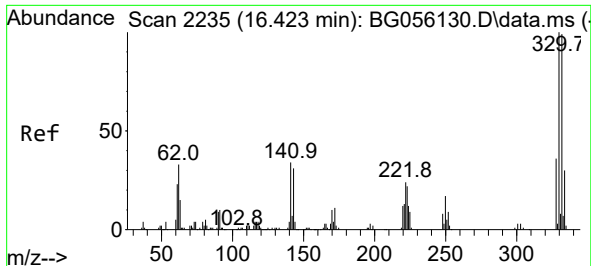
Tgt Ion:	142	Resp:	16174
Ion Ratio	Lower	Upper	
142	100		
141	101.2	77.0	115.6
116	5.4	3.6	5.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.906 min Scan# 1977
Delta R.T. -0.009 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:	164	Resp:	121005
Ion Ratio	Lower	Upper	
164	100		
162	101.5	84.7	127.1
160	41.2	36.3	54.5

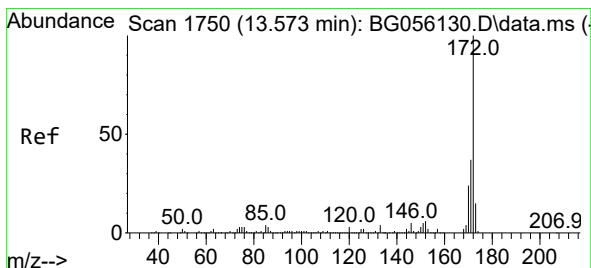
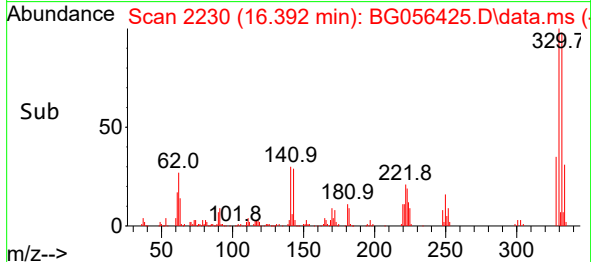
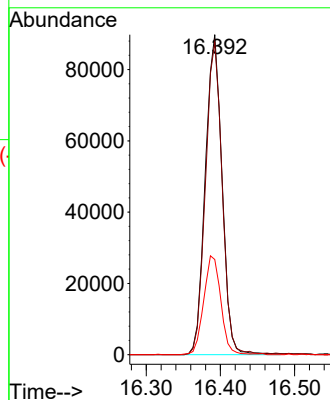
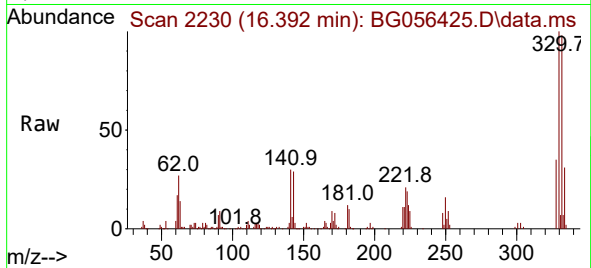




#42
 2,4,6-Tribromophenol
 Concen: 91.821 ng
 RT: 16.392 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056425.D
 Acq: 25 Jan 2023 15:16

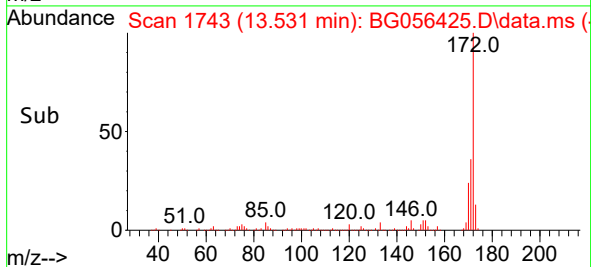
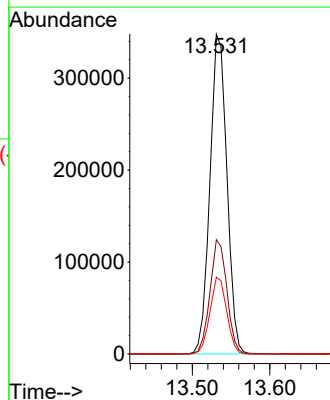
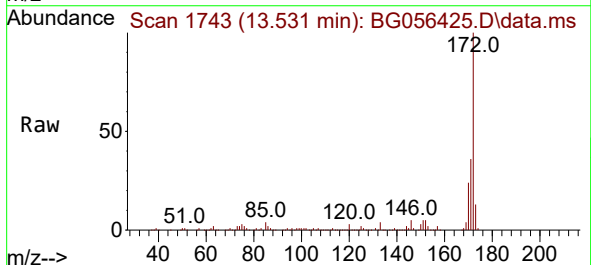
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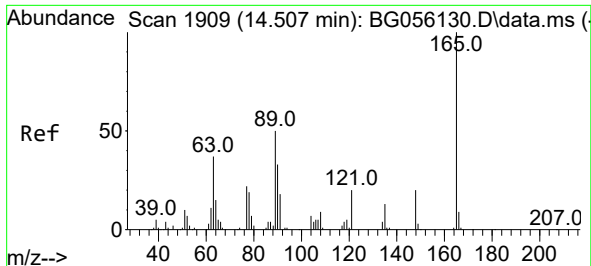
Tgt Ion:330 Resp: 140716
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.3 115.9
 141 31.5 27.9 41.9



#45
 2-Fluorobiphenyl
 Concen: 60.357 ng
 RT: 13.531 min Scan# 1743
 Delta R.T. -0.009 min
 Lab File: BG056425.D
 Acq: 25 Jan 2023 15:16

Tgt Ion:172 Resp: 528895
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.0 19.4 29.2

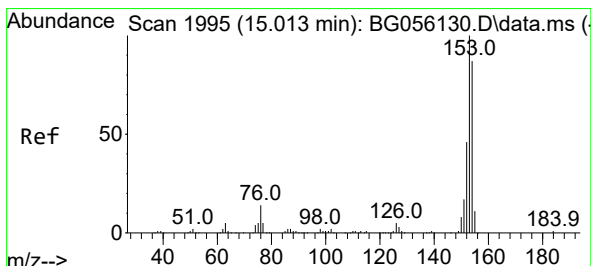
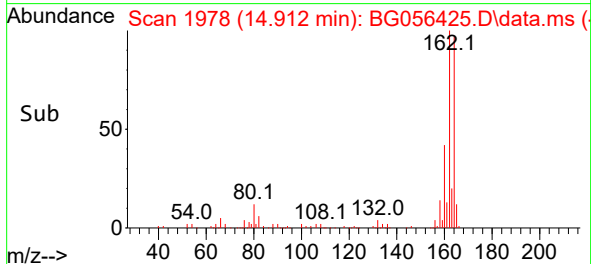
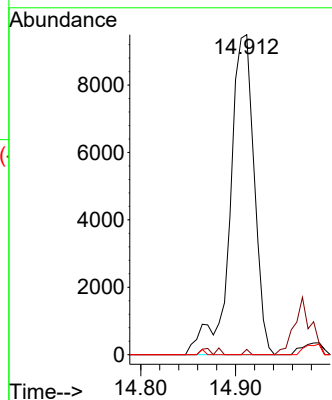
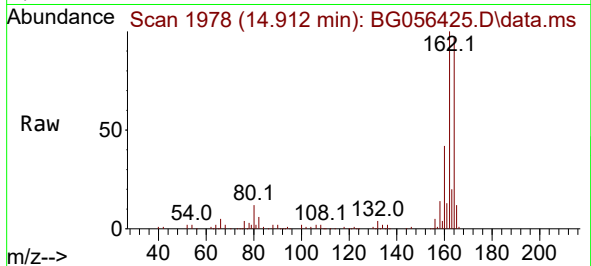




#51
2,6-Dinitrotoluene
Concen: 8.080 ng
RT: 14.912 min Scan# 1909
Delta R.T. 0.432 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

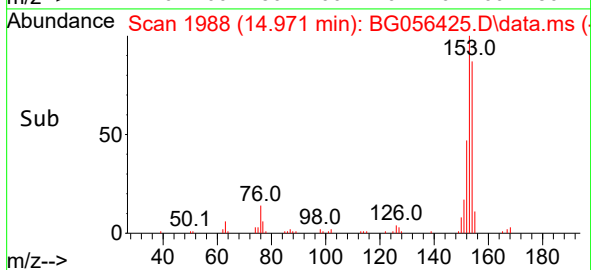
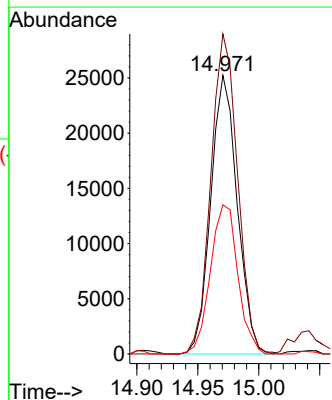
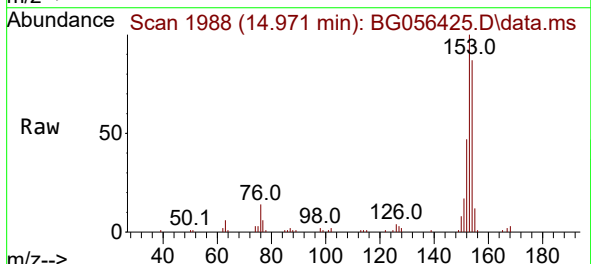
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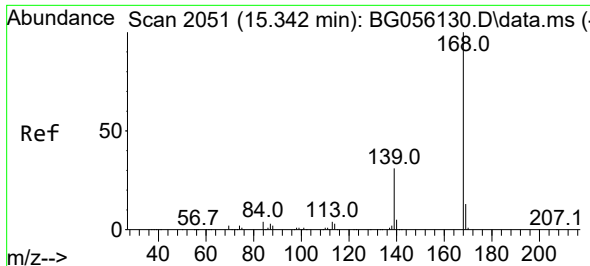
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Ion Ratio Lower Upper
165 100
63 1.7 32.2 48.2#
89 0.0 39.8 59.8#



#52
Acenaphthene
Concen: 5.268 ng
RT: 14.971 min Scan# 1988
Delta R.T. -0.009 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:154 Resp: 38140
Ion Ratio Lower Upper
154 100
153 114.9 92.0 138.0
152 53.6 42.5 63.7

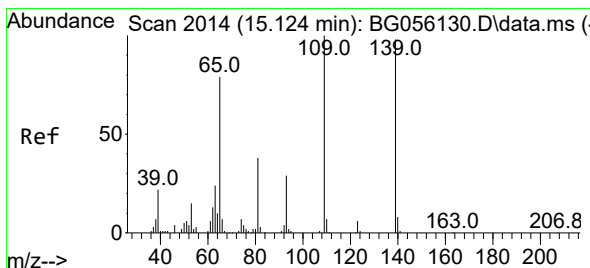
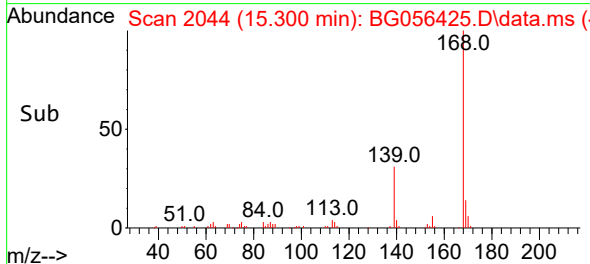
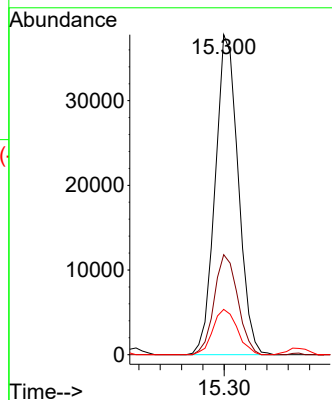
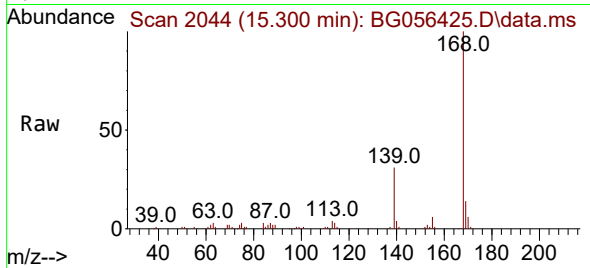




#55
Dibenzofuran
Concen: 4.728 ng
RT: 15.300 min Scan# 2051
Delta R.T. -0.009 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

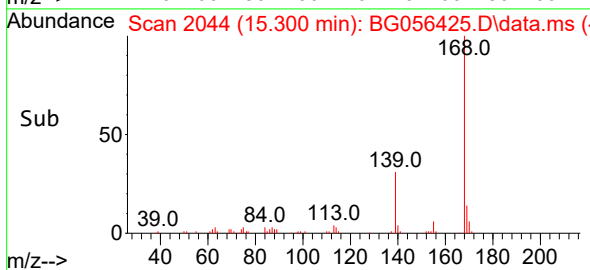
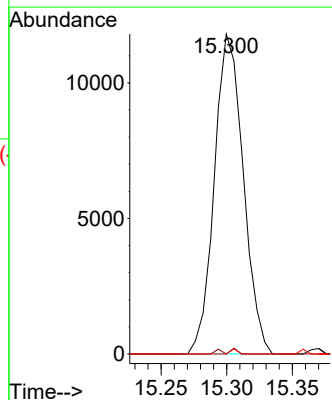
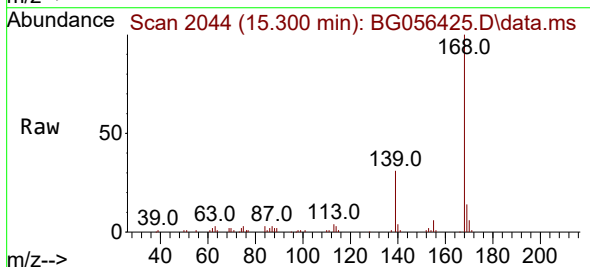
Instrument :
BNA_G
ClientSampleId :
SU-3-012423

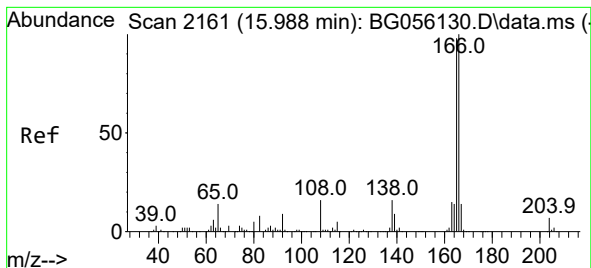
Tgt Ion:168 Resp: 56644
Ion Ratio Lower Upper
168 100
139 31.2 24.7 37.1
169 14.1 10.3 15.5



#56
4-Nitrophenol
Concen: 11.866 ng
RT: 15.300 min Scan# 2044
Delta R.T. 0.185 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:139 Resp: 18078
Ion Ratio Lower Upper
139 100
109 0.0 82.2 122.2#
65 0.0 60.6 100.6#





#58

Fluorene

Concen: 8.535 ng

RT: 15.952 min Scan# 2155

Delta R.T. -0.003 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

Instrument :

BNA_G

ClientSampleId :

SU-3-012423

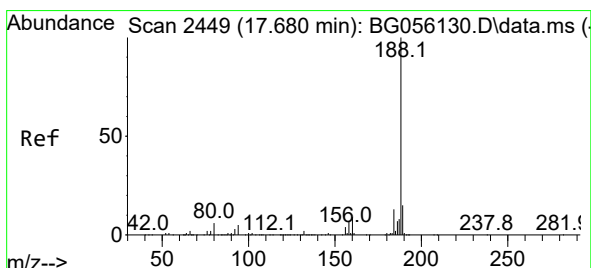
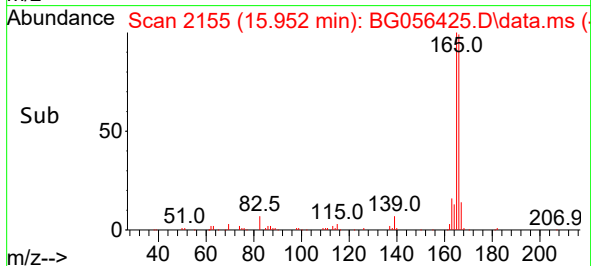
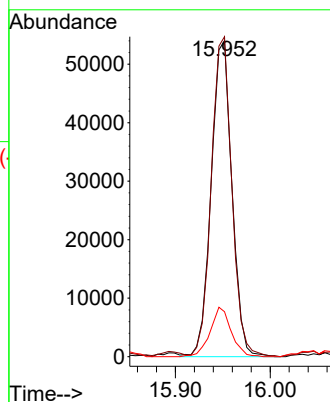
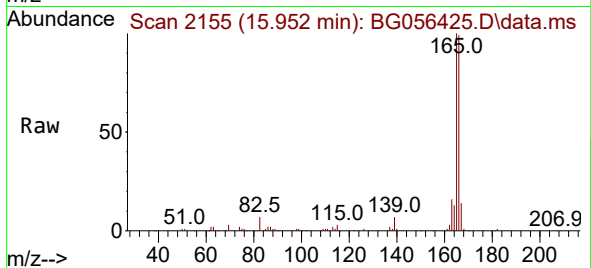
Tgt Ion:166 Resp: 82238

Ion Ratio Lower Upper

166 100

165 101.2 78.6 118.0

167 14.2 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.644 min Scan# 2443

Delta R.T. -0.009 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

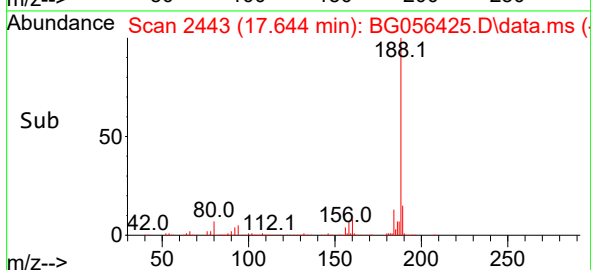
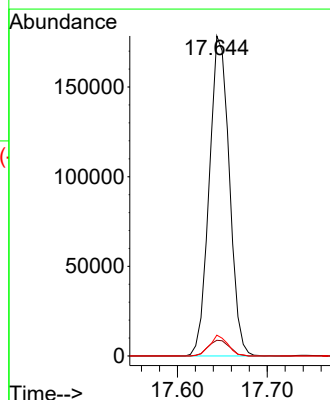
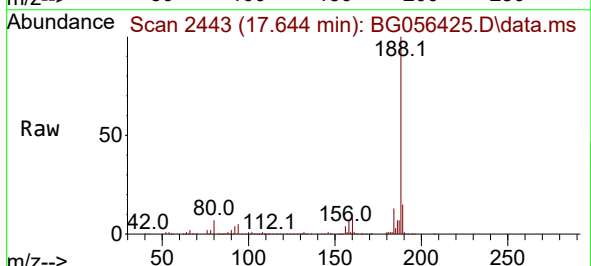
Tgt Ion:188 Resp: 276887

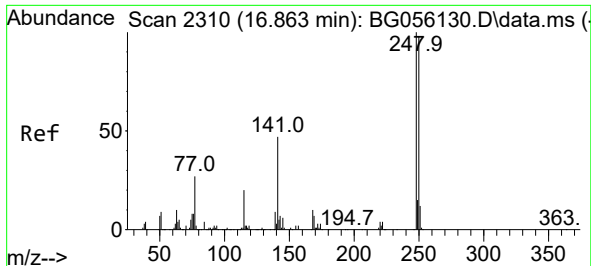
Ion Ratio Lower Upper

188 100

94 4.9 4.2 6.2

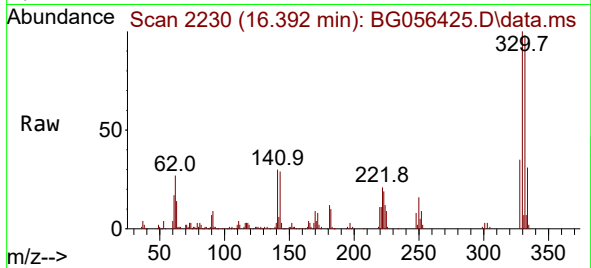
80 6.5 5.0 7.4



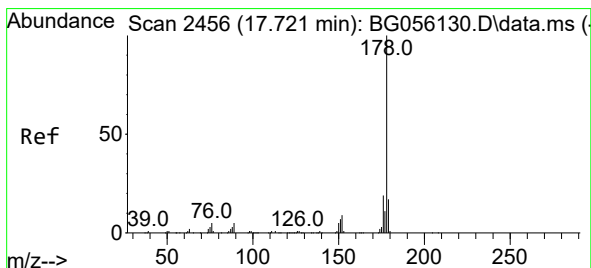
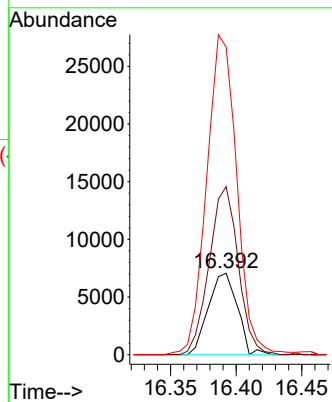
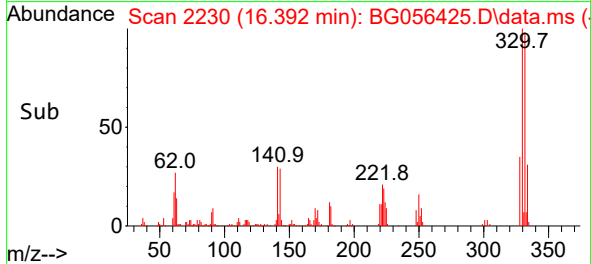


#67
4-Bromophenyl-phenylether
Concen: 3.070 ng
RT: 16.392 min Scan# 211
Delta R.T. -0.438 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Instrument :
BNA_G
ClientSampleId :
SU-3-012423

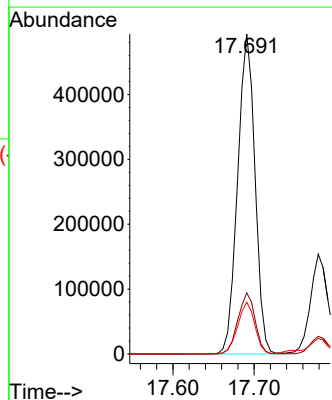
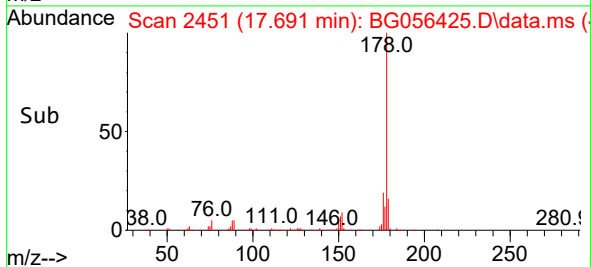
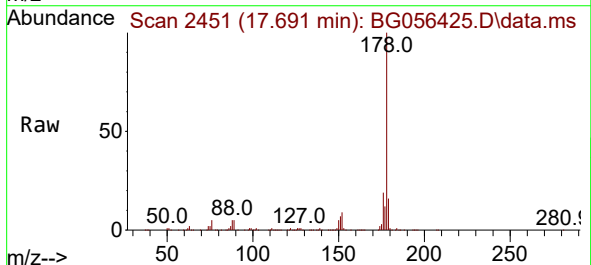


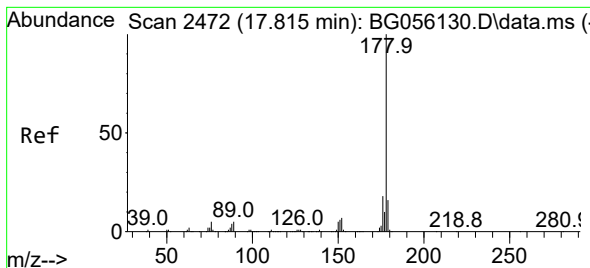
Tgt Ion:248 Resp: 10825
Ion Ratio Lower Upper
248 100
250 206.3 78.2 117.4#
141 378.0 37.6 56.4#



#71
Phenanthrene
Concen: 50.868 ng
RT: 17.691 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:178 Resp: 729916
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.1 13.6 20.4





#72

Anthracene

Concen: 15.119 ng

RT: 17.779 min Scan# 2466

Delta R.T. -0.009 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

Instrument :

BNA_G

ClientSampleId :

SU-3-012423

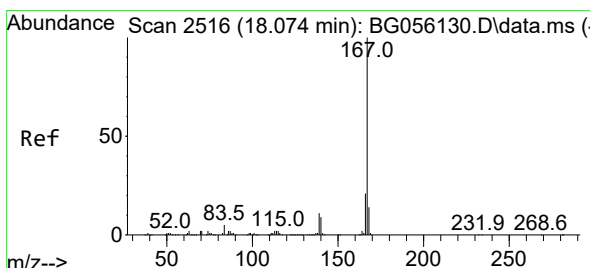
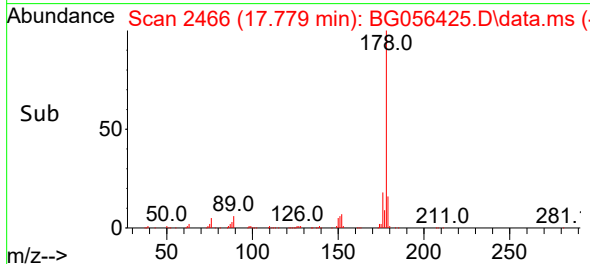
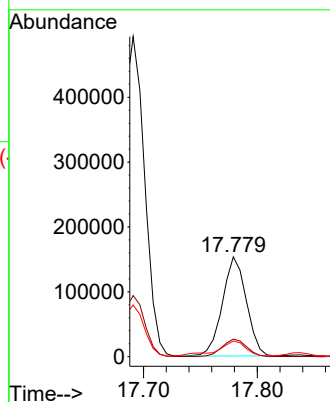
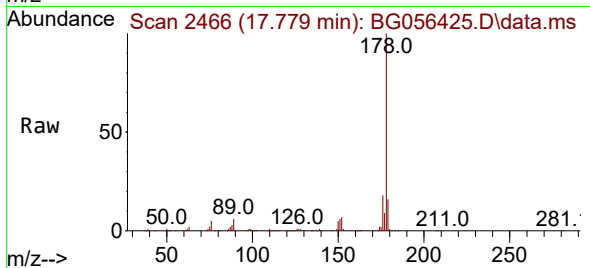
Tgt Ion:178 Resp: 223793

Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

179 15.7 12.7 19.1



#73

Carbazole

Concen: 3.482 ng

RT: 18.043 min Scan# 2511

Delta R.T. -0.009 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

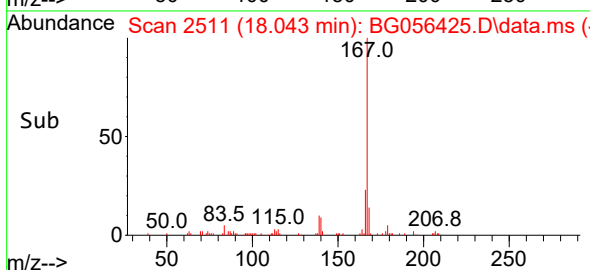
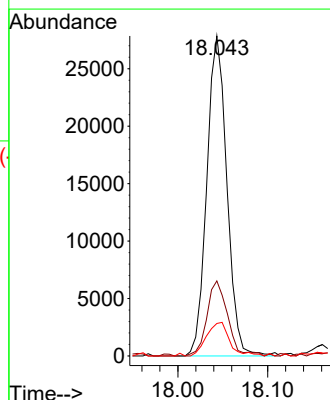
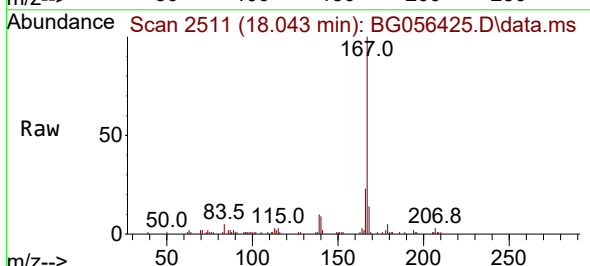
Tgt Ion:167 Resp: 43327

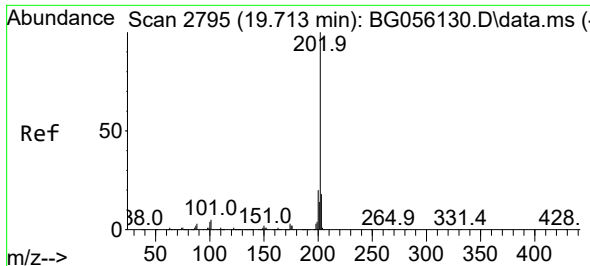
Ion Ratio Lower Upper

167 100

166 23.5 16.8 25.2

139 10.2 8.9 13.3

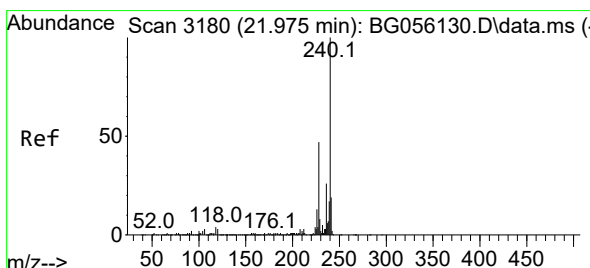
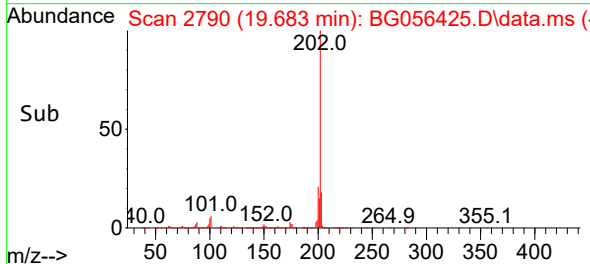
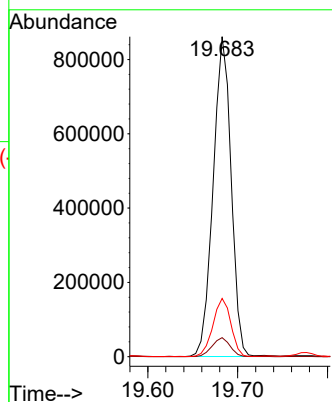
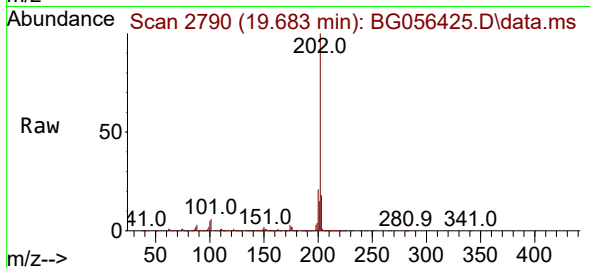




#75
Fluoranthene
Concen: 64.034 ng
RT: 19.683 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

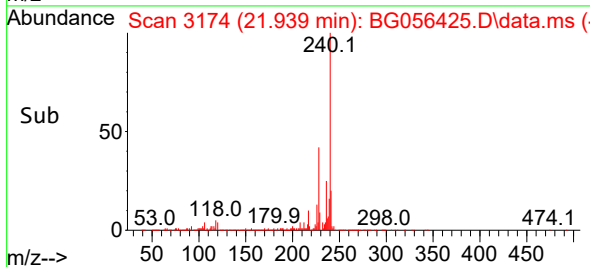
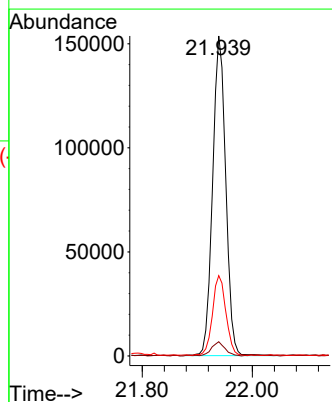
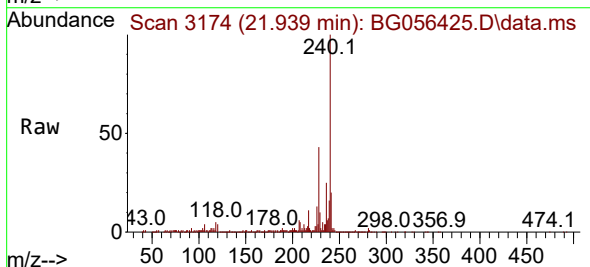
Instrument :
BNA_G
ClientSampleId :
SU-3-012423

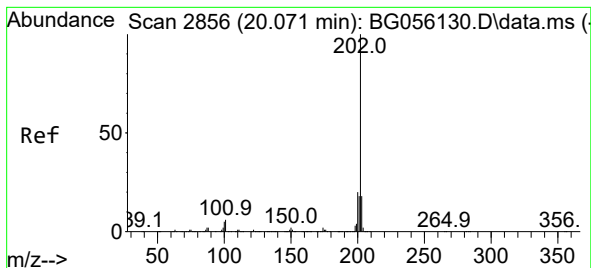
Tgt Ion:202 Resp: 1198551
Ion Ratio Lower Upper
202 100
101 5.9 0.0 25.0
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.939 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:240 Resp: 254095
Ion Ratio Lower Upper
240 100
120 4.4 2.6 4.0#
236 25.1 20.8 31.2





#78

Pyrene

Concen: 55.731 ng

RT: 20.047 min Scan# 2

Delta R.T. 0.003 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

Instrument :

BNA_G

ClientSampleId :

SU-3-012423

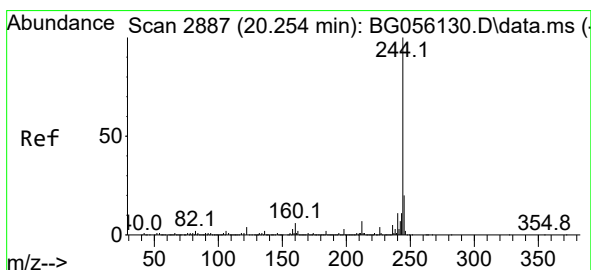
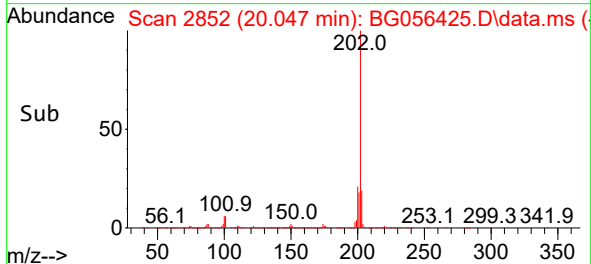
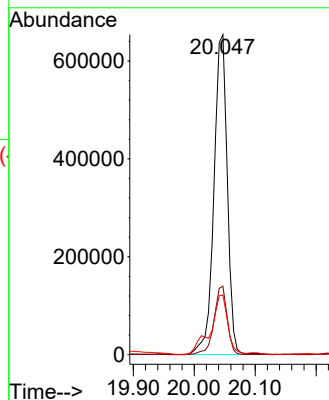
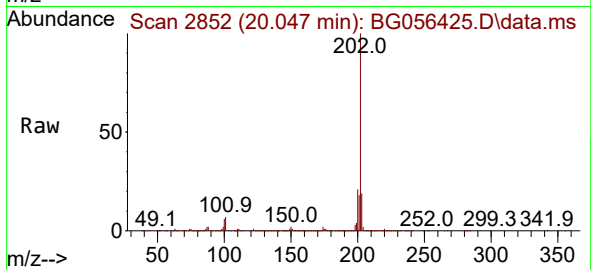
Tgt Ion:202 Resp: 998133

Ion Ratio Lower Upper

202 100

200 21.4 16.4 24.6

203 18.6 14.3 21.5



#79

Terphenyl-d14

Concen: 57.520 ng

RT: 20.223 min Scan# 2882

Delta R.T. -0.003 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

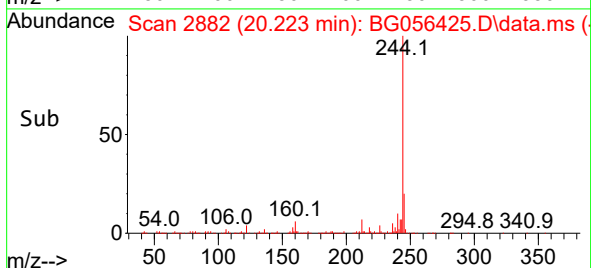
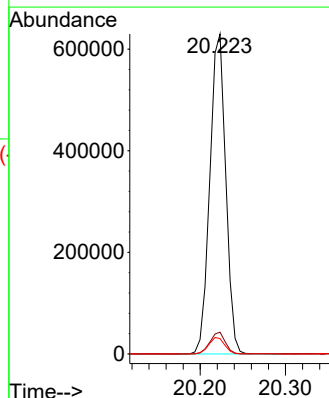
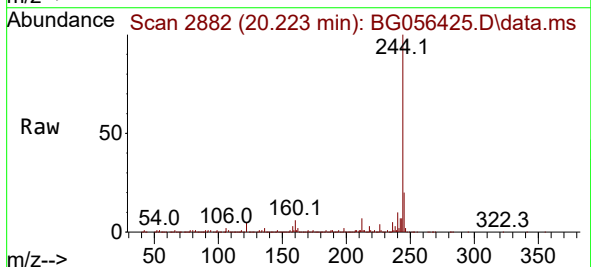
Tgt Ion:244 Resp: 816028

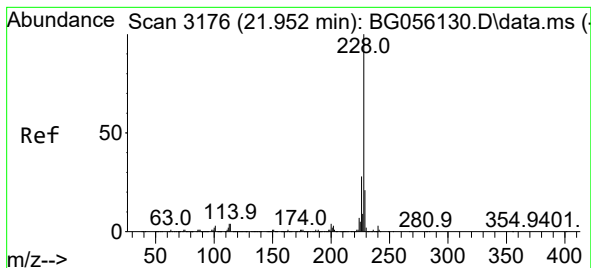
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 4.8 3.5 5.3





#81

Benzo(a)anthracene

Concen: 31.965 ng

RT: 21.921 min Scan# 3171

Delta R.T. -0.003 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

Instrument :

BNA_G

ClientSampleId :

SU-3-012423

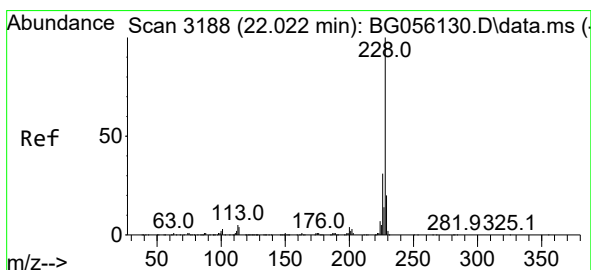
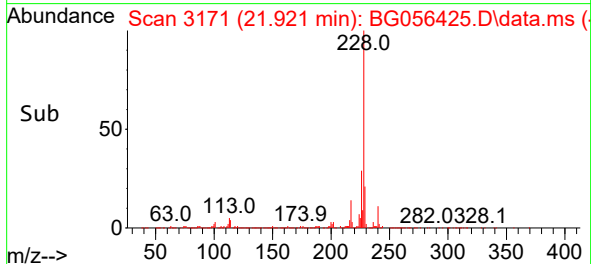
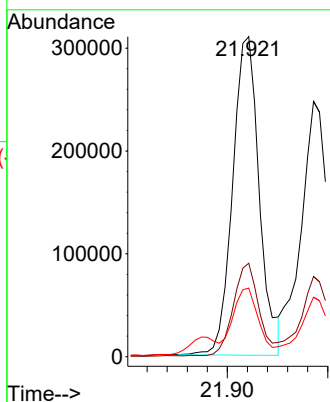
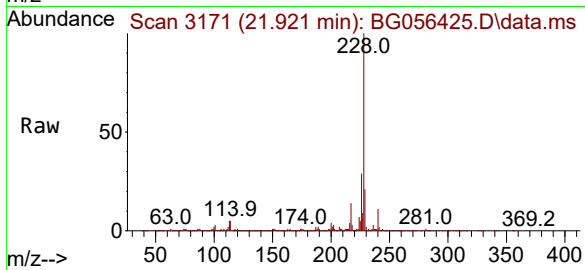
Tgt Ion:228 Resp: 570468

Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

229 21.5 16.9 25.3



#83

Chrysene

Concen: 27.460 ng

RT: 21.986 min Scan# 3182

Delta R.T. -0.009 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

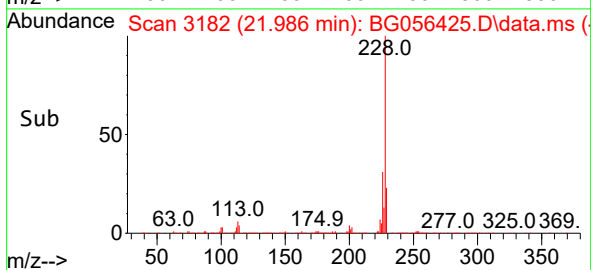
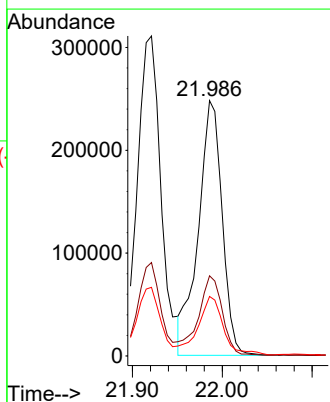
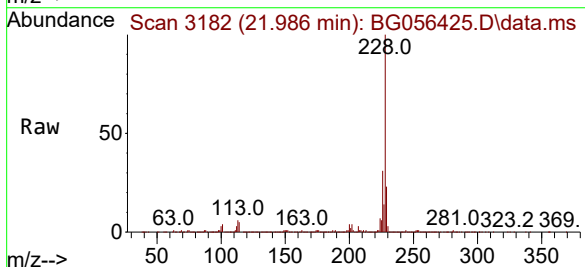
Tgt Ion:228 Resp: 459049

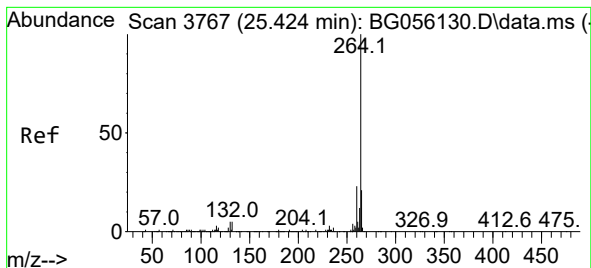
Ion Ratio Lower Upper

228 100

226 31.4 24.6 36.8

229 23.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.376 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

Instrument :

BNA_G

ClientSampleId :

SU-3-012423

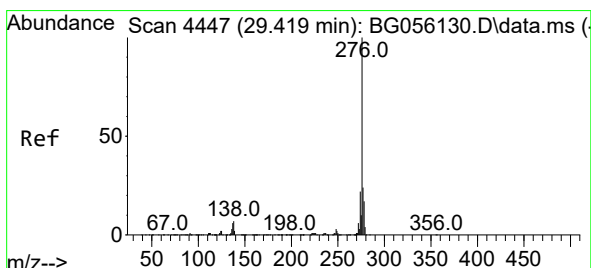
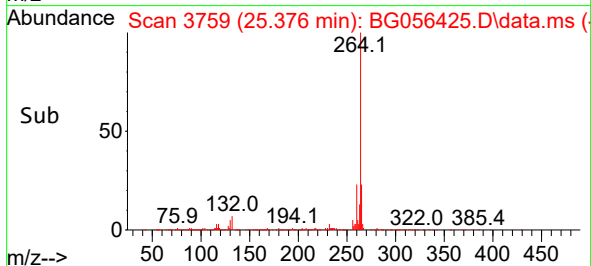
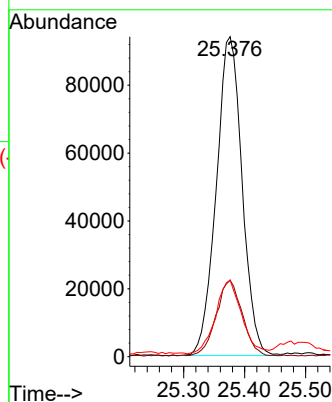
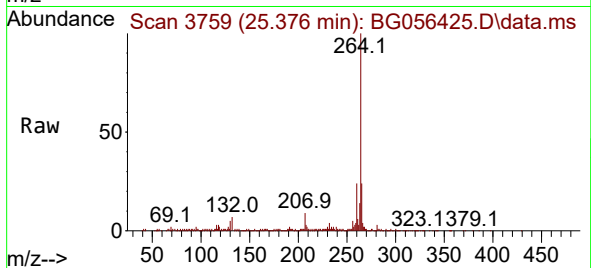
Tgt Ion:264 Resp: 276563

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 23.9 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.723 ng

RT: 29.324 min Scan# 4431

Delta R.T. -0.009 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

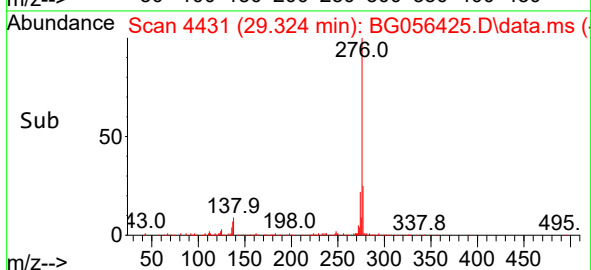
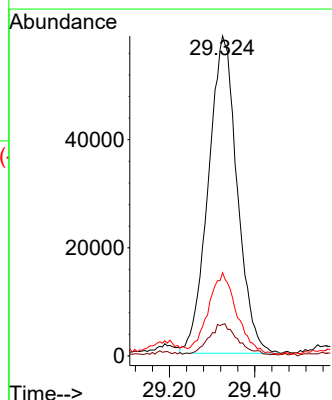
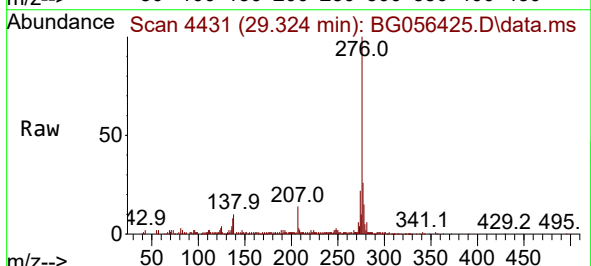
Tgt Ion:276 Resp: 276024

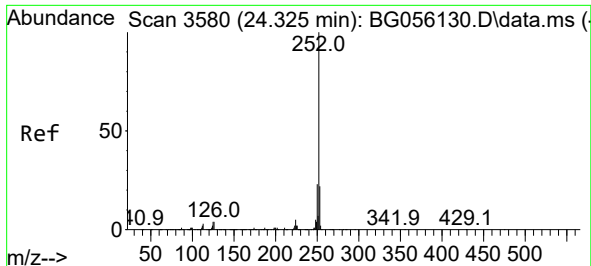
Ion Ratio Lower Upper

276 100

138 9.9 5.0 7.4#

277 25.3 20.5 30.7

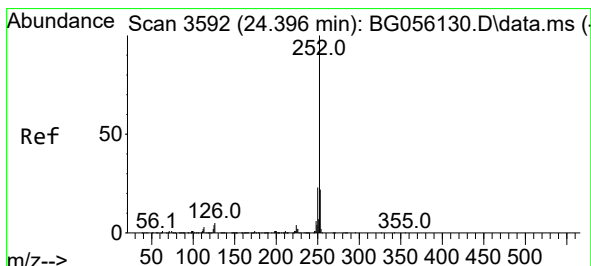
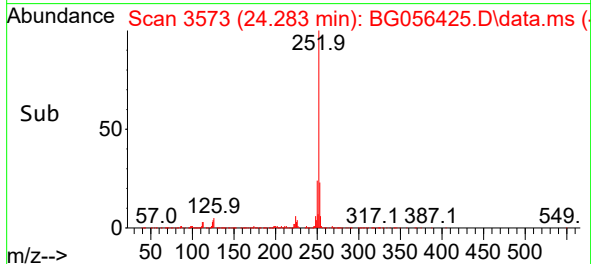
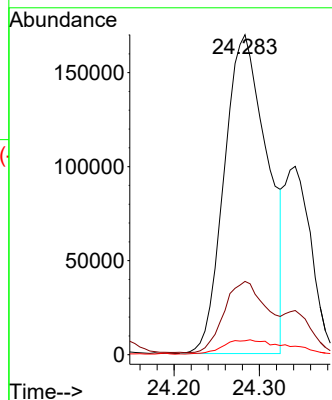
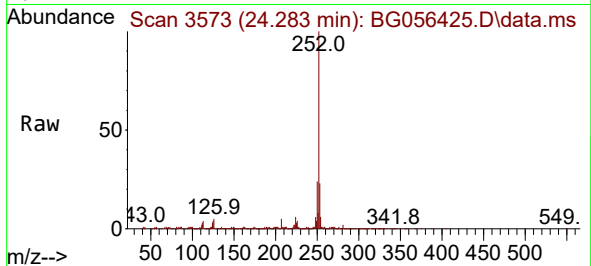




#88
Benzo(b)fluoranthene
Concen: 33.965 ng
RT: 24.283 min Scan# 3573
Delta R.T. 0.003 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

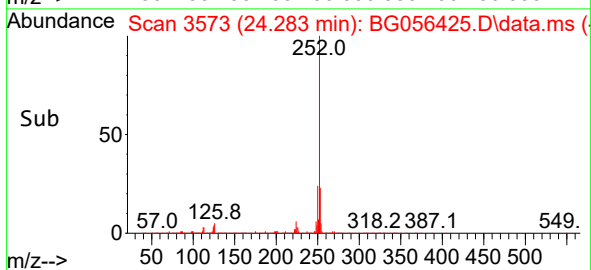
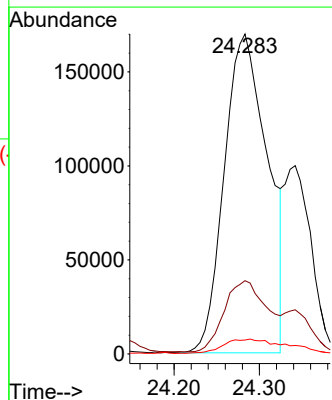
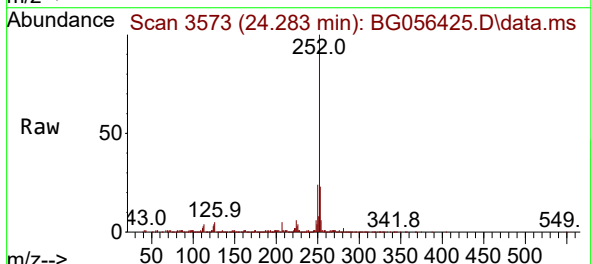
Instrument :
BNA_G
ClientSampleId :
SU-3-012423

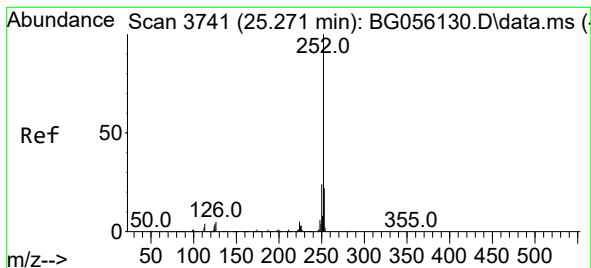
Tgt Ion:252 Resp: 596830
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 4.3 3.0 4.4



#89
Benzo(k)fluoranthene
Concen: 34.109 ng
RT: 24.283 min Scan# 3573
Delta R.T. -0.068 min
Lab File: BG056425.D
Acq: 25 Jan 2023 15:16

Tgt Ion:252 Resp: 596830
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 4.3 3.4 5.0





#90

Benzo(a)pyrene

Concen: 25.987 ng

RT: 25.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

Instrument :

BNA_G

ClientSampleId :

SU-3-012423

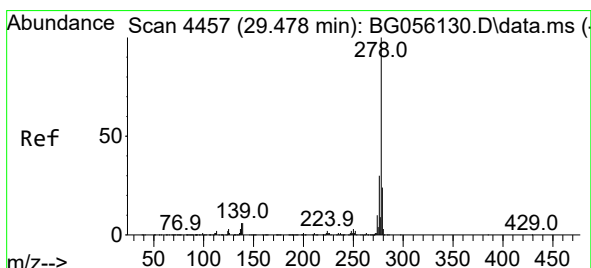
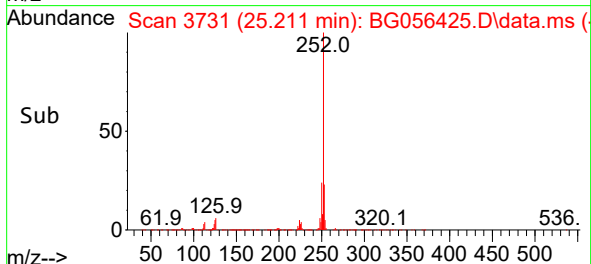
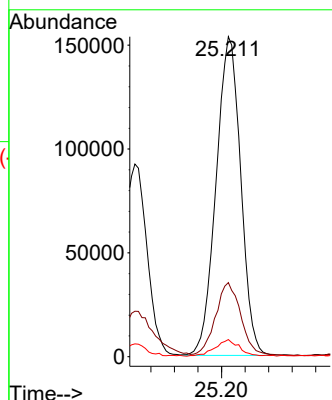
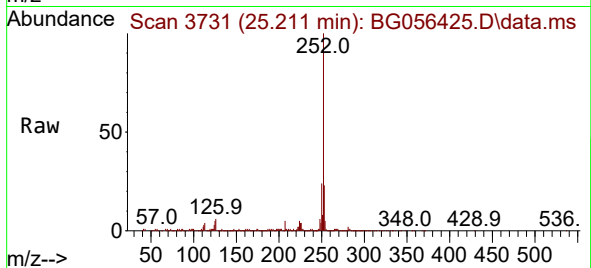
Tgt Ion:252 Resp: 445377

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 5.4 3.2 4.8#



#91

Dibenzo(a,h)anthracene

Concen: 2.144 ng

RT: 29.348 min Scan# 4435

Delta R.T. -0.044 min

Lab File: BG056425.D

Acq: 25 Jan 2023 15:16

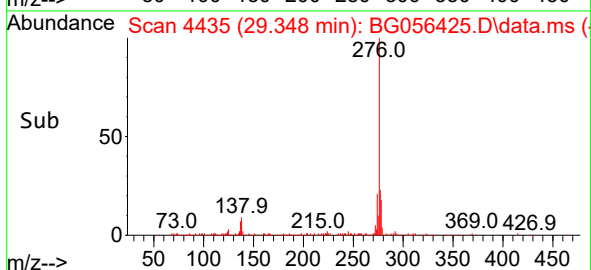
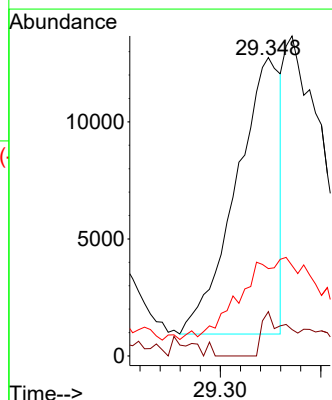
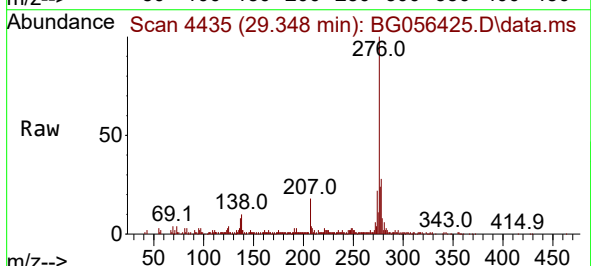
Tgt Ion:278 Resp: 36159

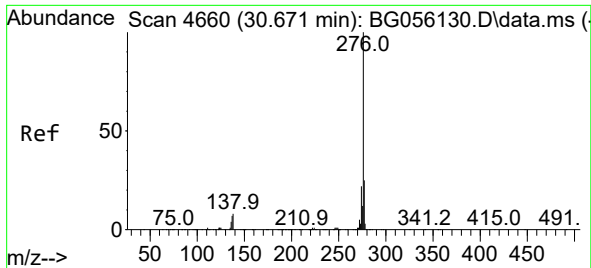
Ion Ratio Lower Upper

278 100

139 14.9 4.8 7.2#

279 29.3 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 14.875 ng
 RT: 30.576 min Scan# 4644
 Delta R.T. 0.003 min
 Lab File: BG056425.D
 Acq: 25 Jan 2023 15:16

Instrument :
 BNA_G
 ClientSampleId :
 SU-3-012423

Tgt Ion:276 Resp: 243248
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.7 29.5
 138 8.6 6.7 10.1

