

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102922\
 Data File : BG055371.D
 Acq On : 29 Oct 2022 18:50
 Operator : CG/JU
 Sample : N5313-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-SE-QUARTER

Quant Time: Oct 31 02:44:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

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

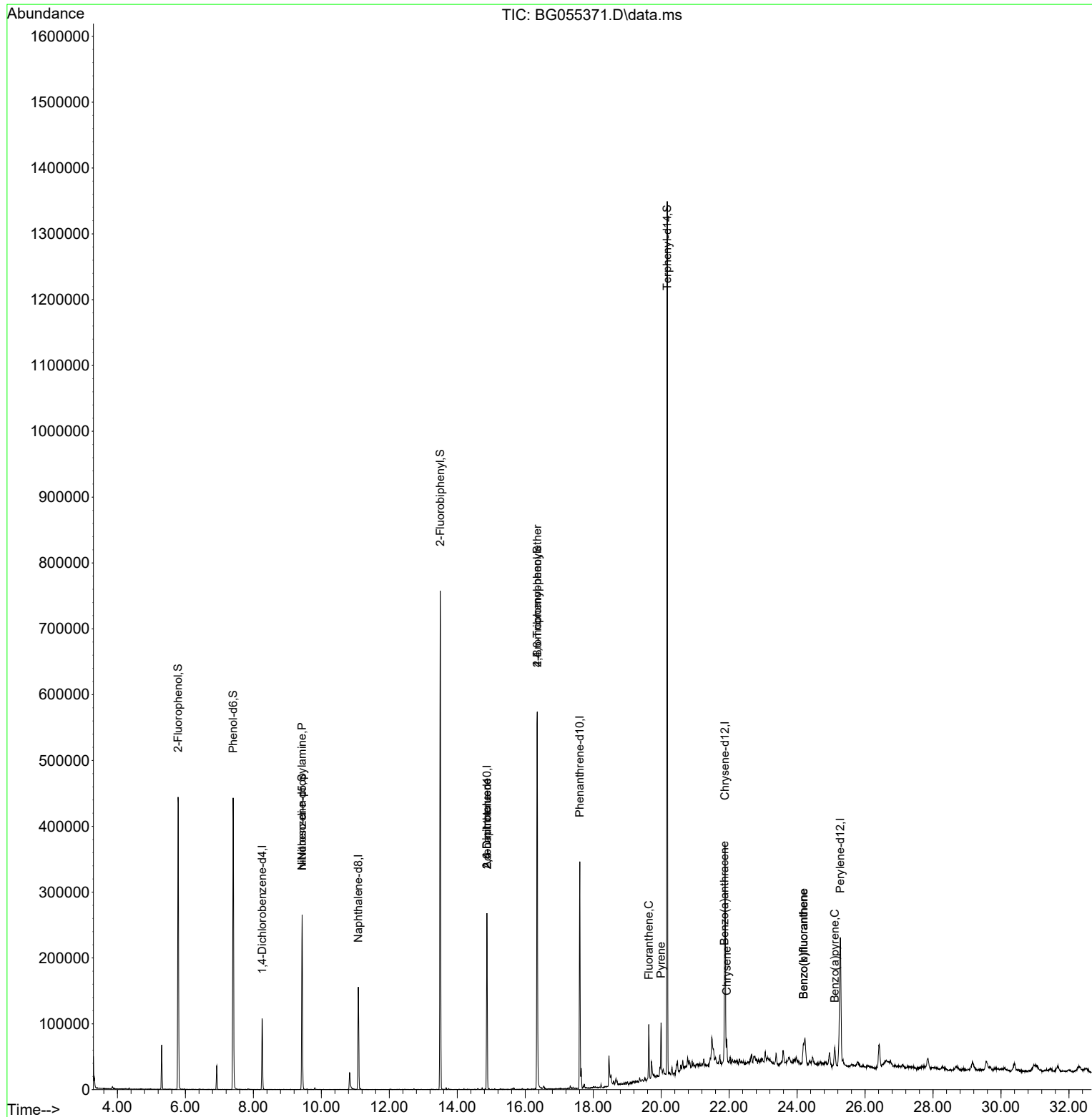
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	32658	20.000	ng	0.00
21) Naphthalene-d8	11.090	136	140494	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	95513	20.000	ng	0.00
64) Phenanthrene-d10	17.606	188	214637	20.000	ng	# 0.00
76) Chrysene-d12	21.877	240	206883	20.000	ng	#-0.01
86) Perylene-d12	25.273	264	221053	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	214161	114.823	ng	0.00
7) Phenol-d6	7.406	99	281651	104.232	ng	0.00
23) Nitrobenzene-d5	9.433	82	167698	60.951	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	129109	124.345	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	402984	69.057	ng	-0.01
79) Terphenyl-d14	20.179	244	639249	64.199	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.433	70	22326	9.950	ng	# 74
51) 2,6-Dinitrotoluene	14.874	165	12530	8.211	ng	# 19
57) 2,4-Dinitrotoluene	14.874	165	12530	5.658	ng	# 18
67) 4-Bromophenyl-phenylether	16.355	248	8229	3.946	ng	# 1
75) Fluoranthene	19.639	202	50900	3.816	ng	97
78) Pyrene	19.997	202	48395	3.413	ng	99
81) Benzo(a)anthracene	21.860	228	30268	2.179	ng	99
83) Chrysene	21.930	228	27321	2.070	ng	93
88) Benzo(b)fluoranthene	24.187	252	40194	3.023	ng	98
89) Benzo(k)fluoranthene	24.187	252	40194	2.994	ng	96
90) Benzo(a)pyrene	25.109	252	29575	2.594	ng	95

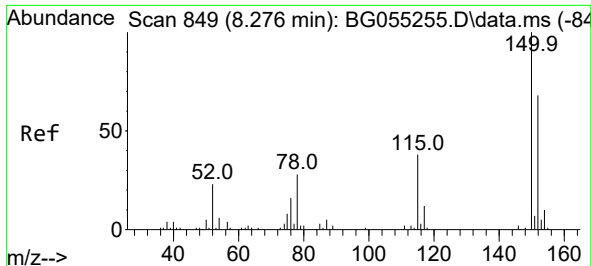
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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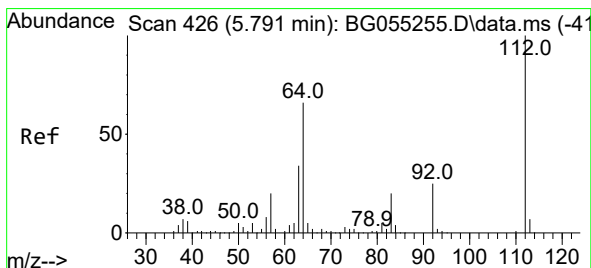
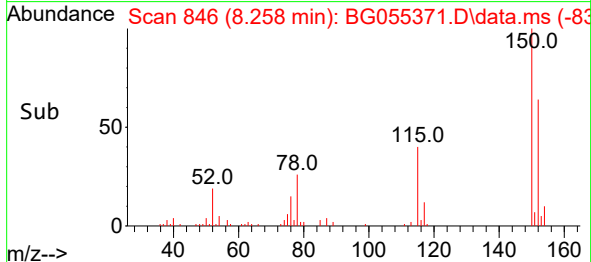
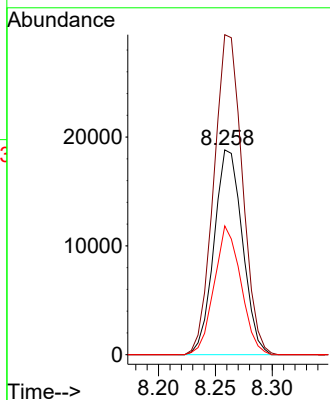
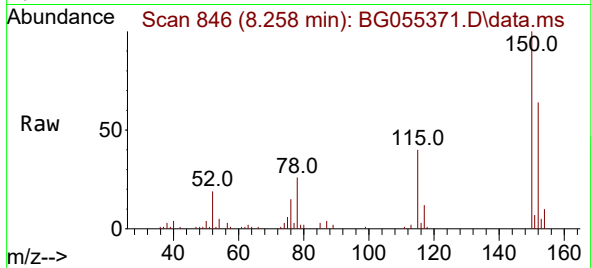




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 84
Delta R.T. -0.007 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

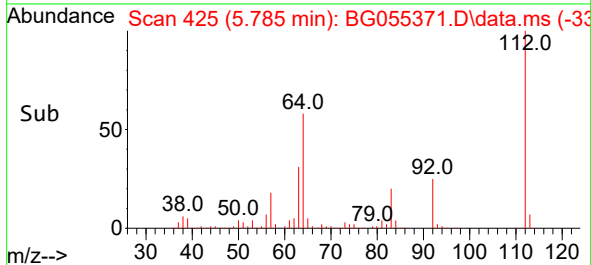
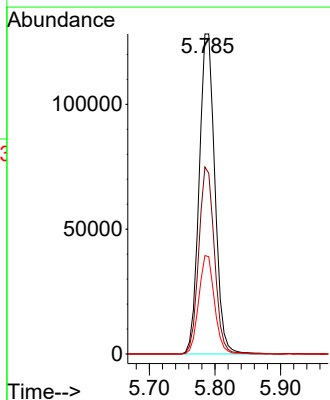
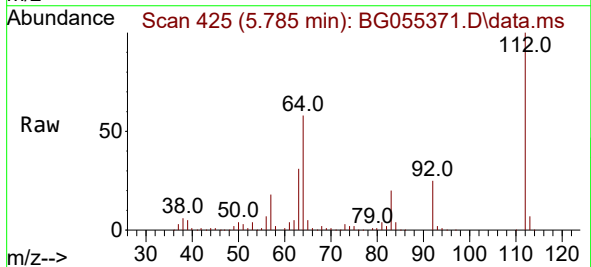
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SE-QUARTER

Tgt Ion:152 Resp: 32658
Ion Ratio Lower Upper
152 100
150 156.2 118.2 177.4
115 62.9 44.5 66.7



#5
2-Fluorophenol
Concen: 114.823 ng
RT: 5.785 min Scan# 425
Delta R.T. -0.001 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

Tgt Ion:112 Resp: 214161
Ion Ratio Lower Upper
112 100
64 58.4 52.6 78.8
63 30.8 27.1 40.7

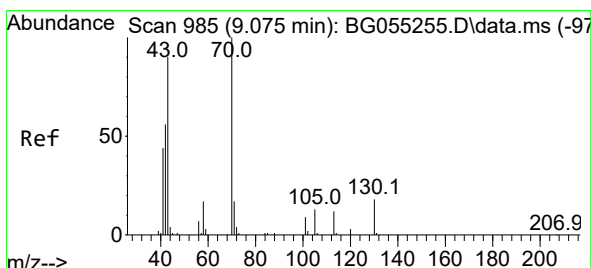
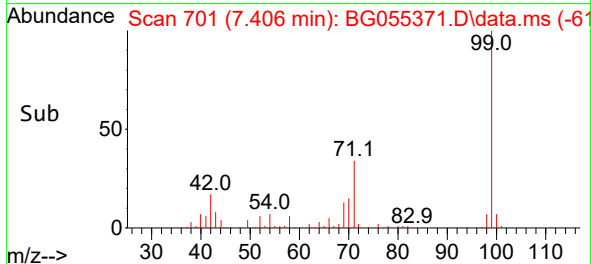
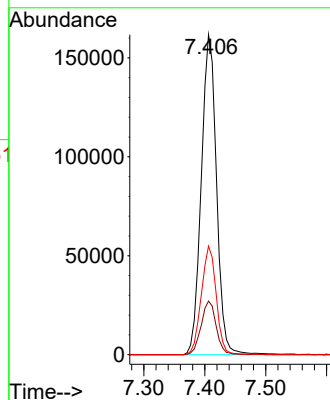
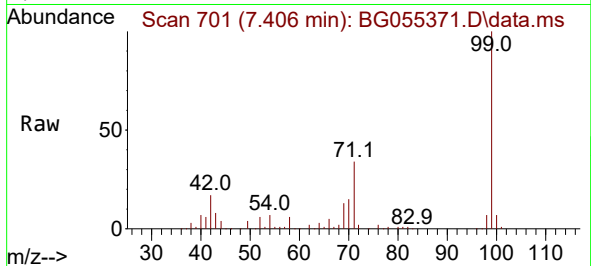




#7
Phenol-d6
Concen: 104.232 ng
RT: 7.406 min Scan# 70
Delta R.T. -0.007 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

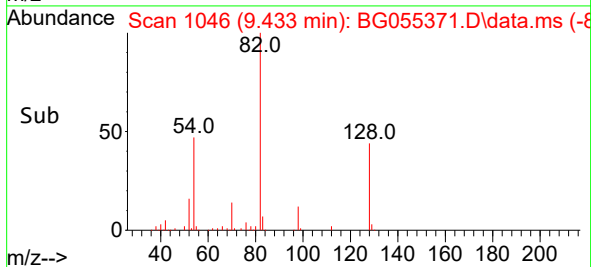
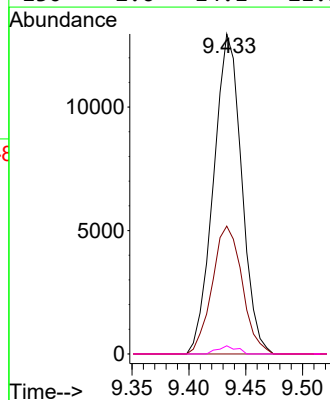
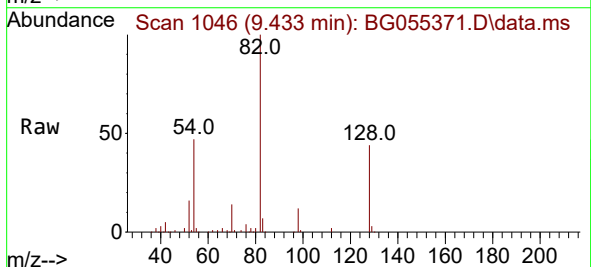
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SE-QUARTER

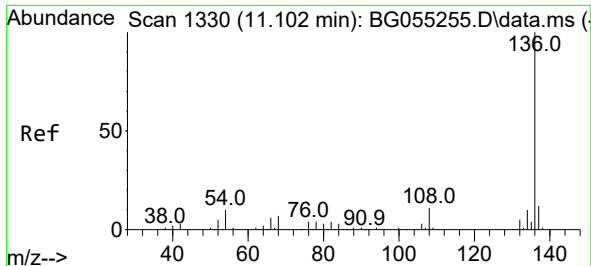
Tgt Ion: 99 Resp: 281651
Ion Ratio Lower Upper
99 100
42 16.7 15.2 22.8
71 33.9 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.950 ng
RT: 9.433 min Scan# 1046
Delta R.T. 0.363 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

Tgt Ion: 70 Resp: 22326
Ion Ratio Lower Upper
70 100
42 40.0 45.8 68.6#
101 0.0 7.4 11.0#
130 2.6 14.1 21.1#

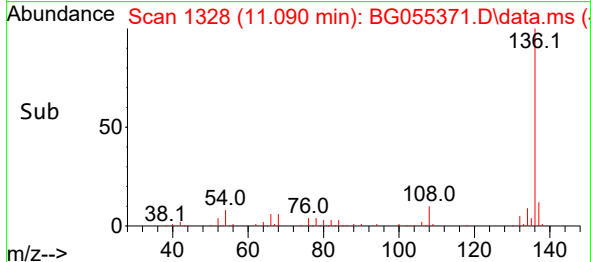
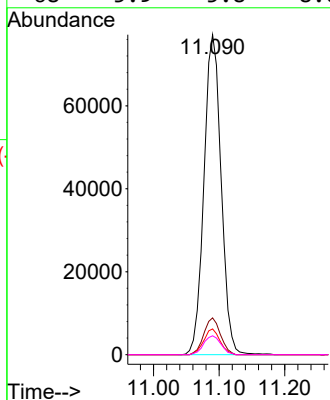
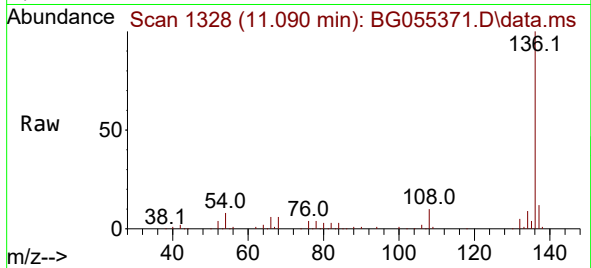




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.090 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

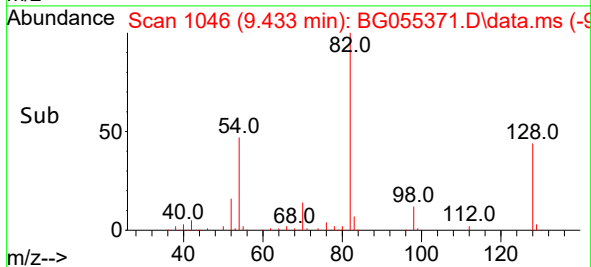
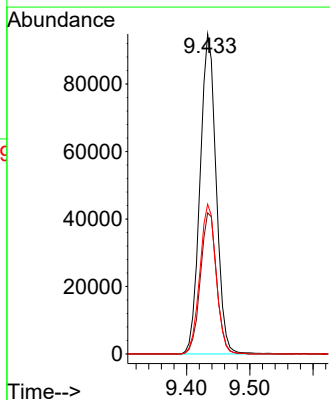
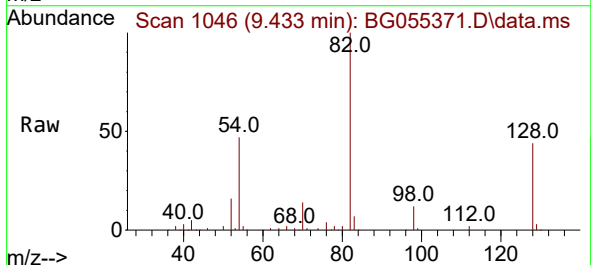
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SE-QUARTER

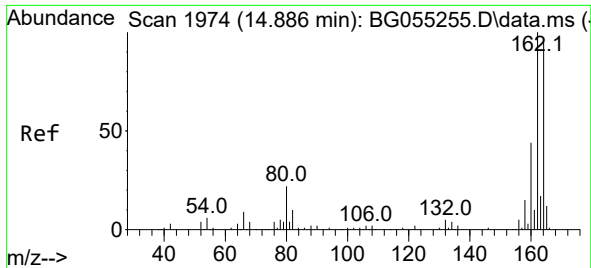
Tgt Ion:	136	Resp:	140494
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	8.0	7.8	11.8
68	5.9	5.8	8.6



#23
Nitrobenzene-d5
Concen: 60.951 ng
RT: 9.433 min Scan# 1046
Delta R.T. -0.007 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

Tgt Ion:	82	Resp:	167698
Ion Ratio	Lower	Upper	
82	100		
128	44.1	32.0	48.0
54	46.8	40.9	61.3

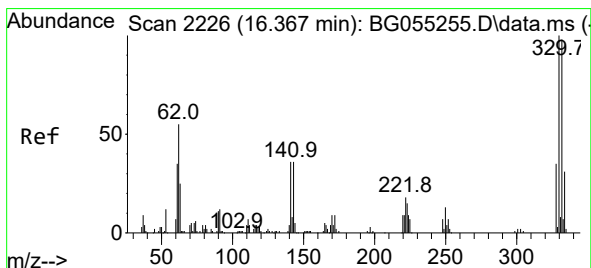
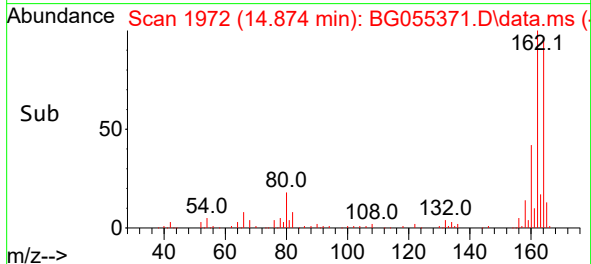
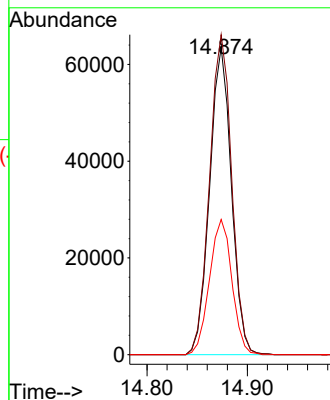
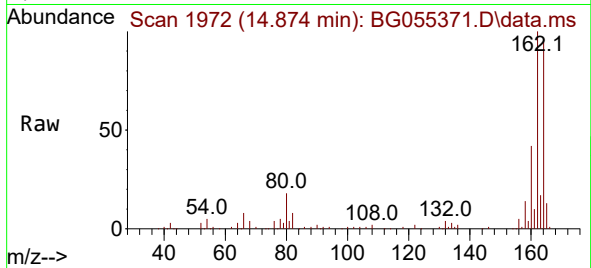




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1974
Delta R.T. -0.007 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

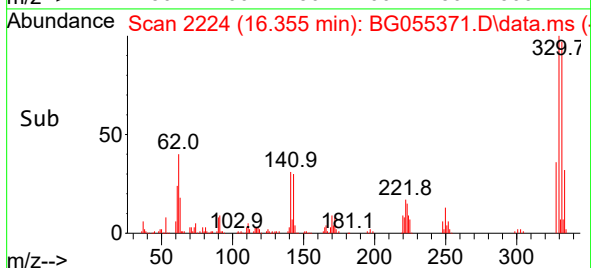
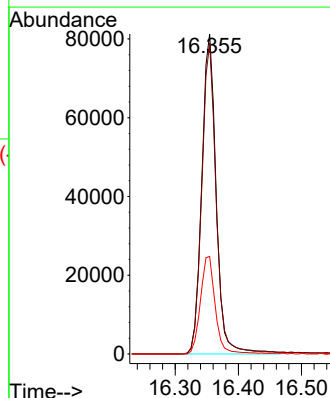
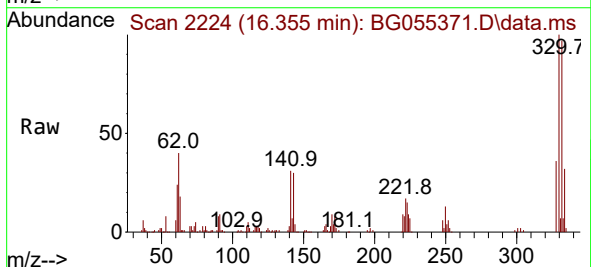
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SE-QUARTER

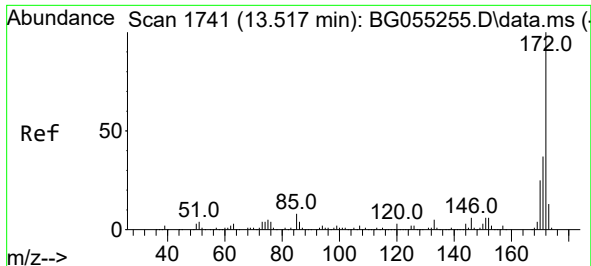
Tgt Ion:164 Resp: 95513
Ion Ratio Lower Upper
164 100
162 104.1 84.0 126.0
160 44.0 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 124.345 ng
RT: 16.355 min Scan# 2224
Delta R.T. -0.007 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

Tgt Ion:330 Resp: 129109
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 31.4 29.8 44.8

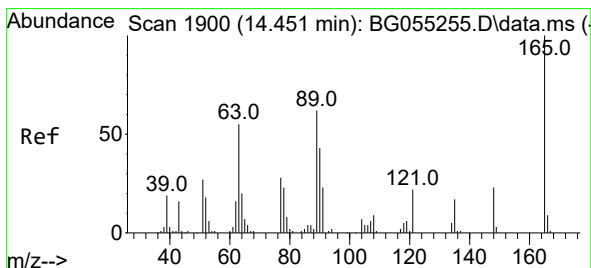
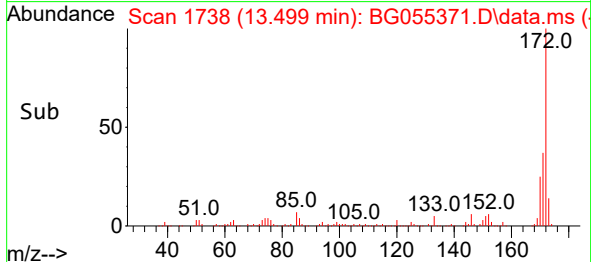
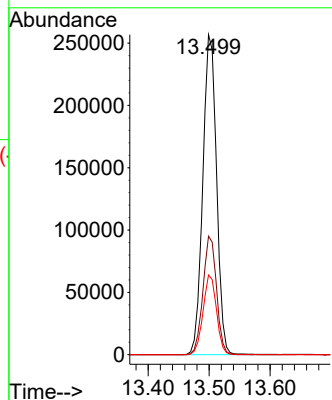
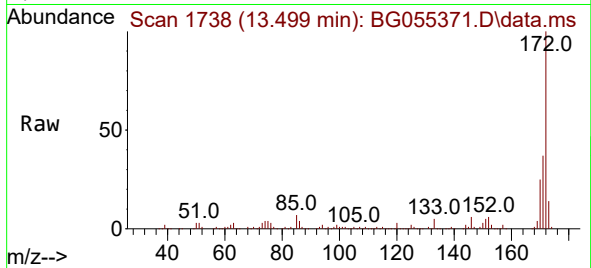




#45
2-Fluorobiphenyl
Concen: 69.057 ng
RT: 13.499 min Scan# 1
Delta R.T. -0.013 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

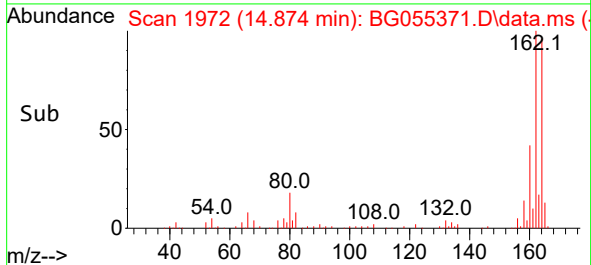
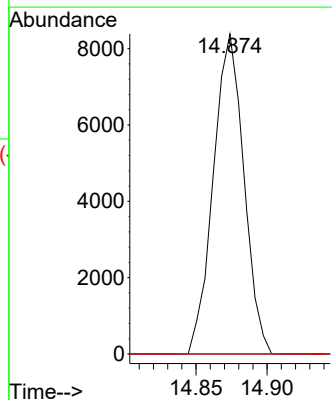
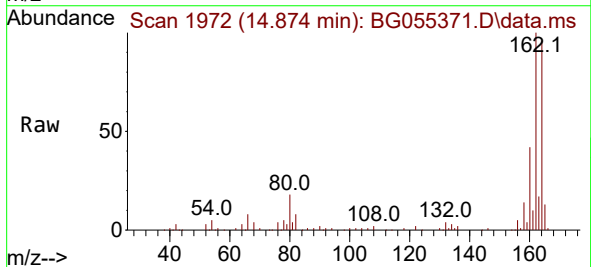
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SE-QUARTER

Tgt Ion:172 Resp: 402984
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.9 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.211 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.422 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

Tgt Ion:165 Resp: 12530
Ion Ratio Lower Upper
165 100
63 0.0 49.2 73.8#
89 0.0 49.9 74.9#





#57

2,4-Dinitrotoluene

Concen: 5.658 ng

RT: 14.874 min Scan# 1972

Delta R.T. -0.359 min

Lab File: BG055371.D

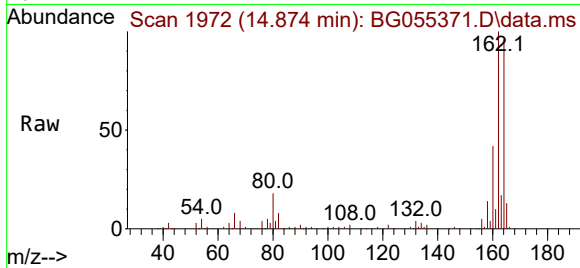
Acq: 29 Oct 2022 18:50

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-SE-QUARTER



Tgt Ion:165 Resp: 12530

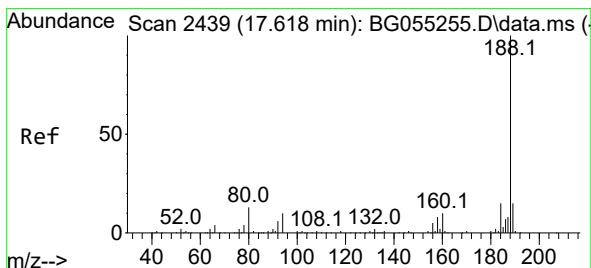
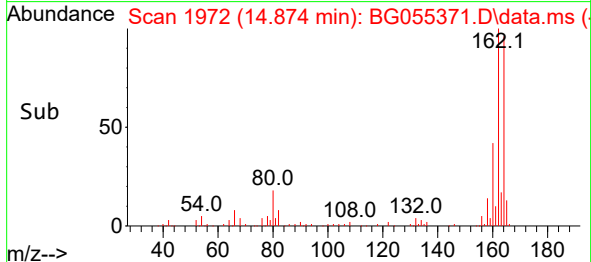
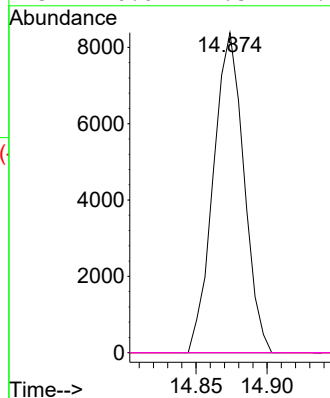
Ion Ratio Lower Upper

165 100

63 0.0 38.9 58.3#

89 0.0 64.2 96.4#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.606 min Scan# 2437

Delta R.T. -0.007 min

Lab File: BG055371.D

Acq: 29 Oct 2022 18:50

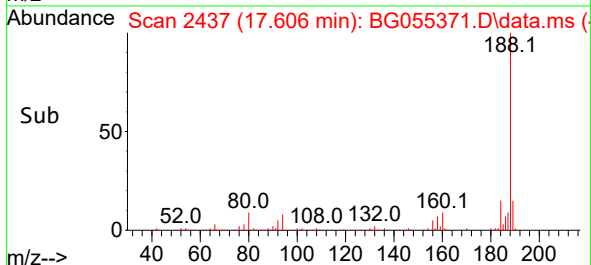
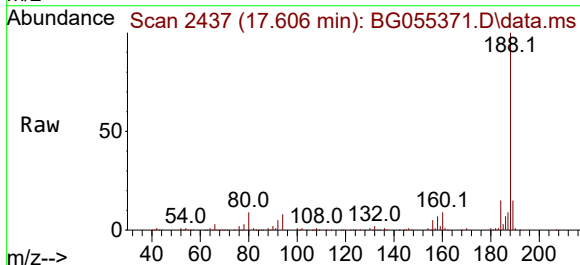
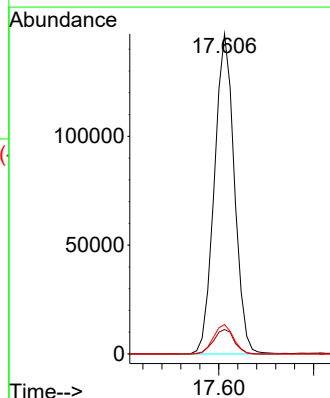
Tgt Ion:188 Resp: 214637

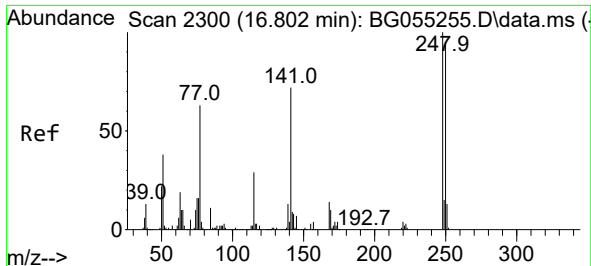
Ion Ratio Lower Upper

188 100

94 7.6 8.2 12.4#

80 9.2 10.1 15.1#





#67

4-Bromophenyl-phenylether

Concen: 3.946 ng

RT: 16.355 min Scan# 21

Delta R.T. -0.441 min

Lab File: BG055371.D

Acq: 29 Oct 2022 18:50

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-SE-QUARTER

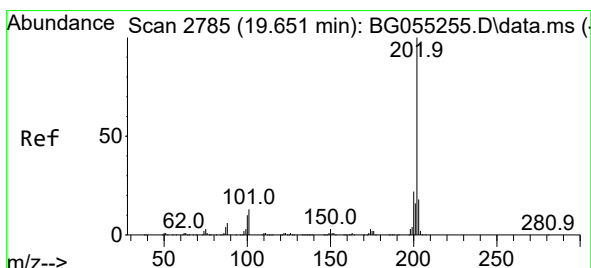
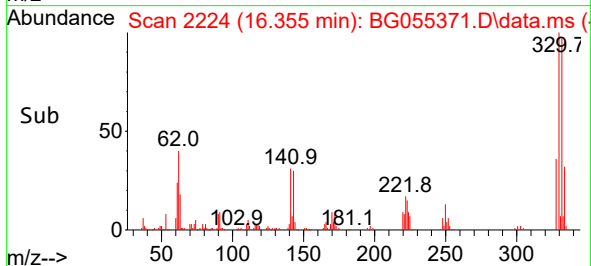
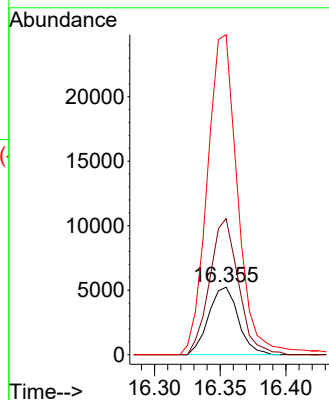
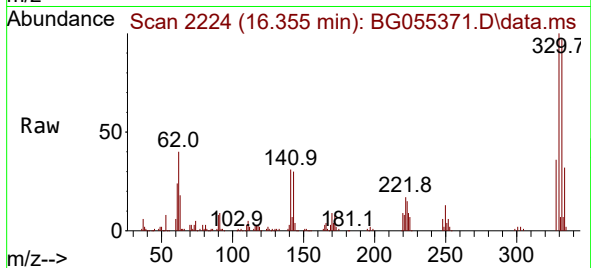
Tgt Ion:248 Resp: 8229

Ion Ratio Lower Upper

248 100

250 201.6 76.0 114.0#

141 473.7 58.0 87.0#



#75

Fluoranthene

Concen: 3.816 ng

RT: 19.639 min Scan# 2783

Delta R.T. -0.007 min

Lab File: BG055371.D

Acq: 29 Oct 2022 18:50

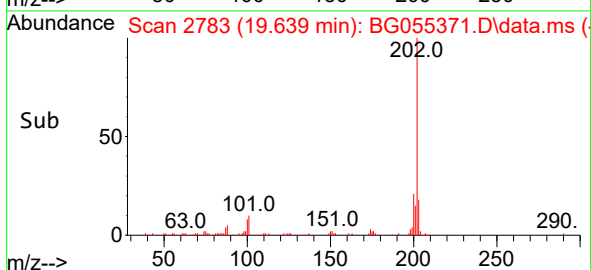
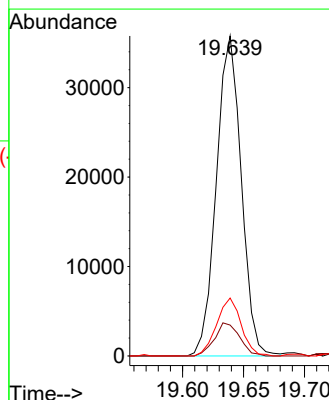
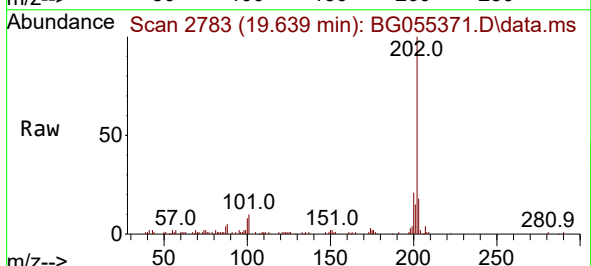
Tgt Ion:202 Resp: 50900

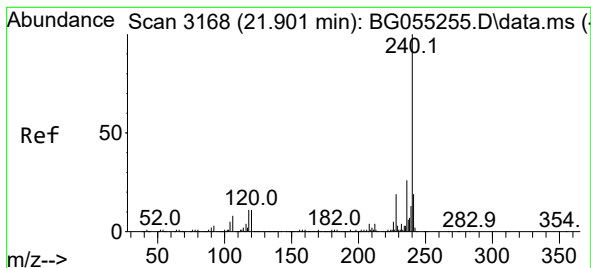
Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.6

203 18.1 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.877 min Scan# 3168

Delta R.T. -0.013 min

Lab File: BG055371.D

Acq: 29 Oct 2022 18:50

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-SE-QUARTER

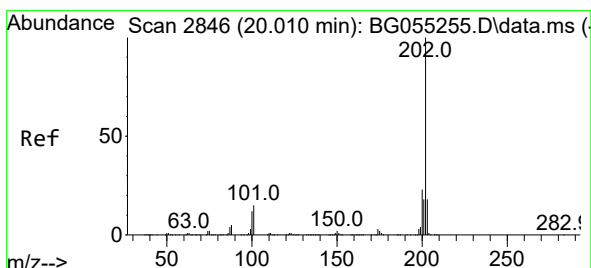
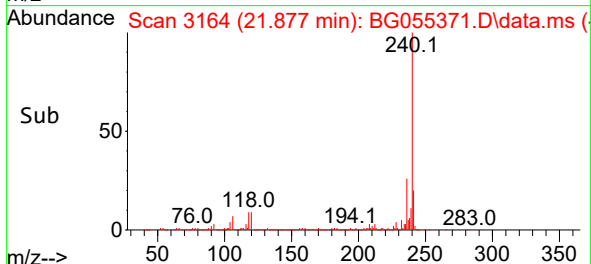
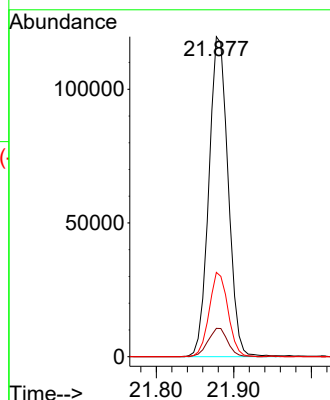
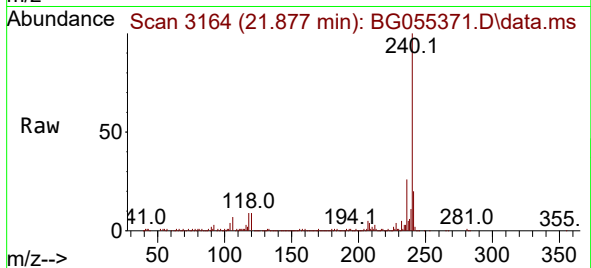
Tgt Ion:240 Resp: 206883

Ion Ratio Lower Upper

240 100

120 8.9 8.9 13.3#

236 26.4 21.0 31.4



#78

Pyrene

Concen: 3.413 ng

RT: 19.997 min Scan# 2844

Delta R.T. -0.007 min

Lab File: BG055371.D

Acq: 29 Oct 2022 18:50

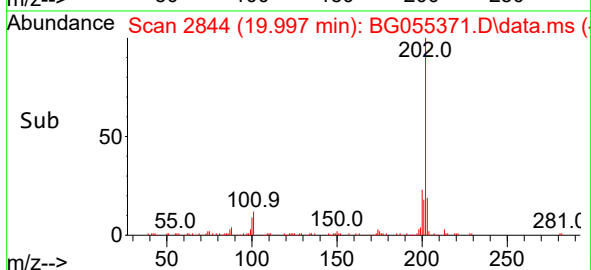
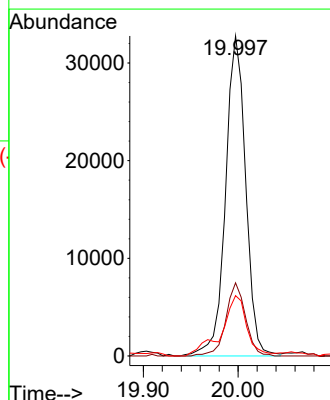
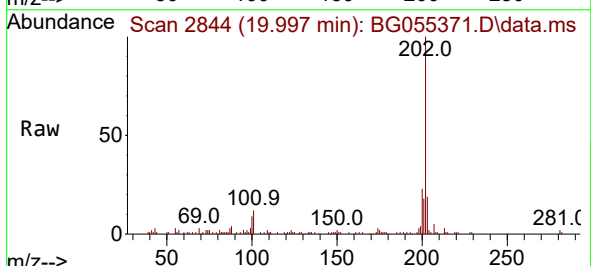
Tgt Ion:202 Resp: 48395

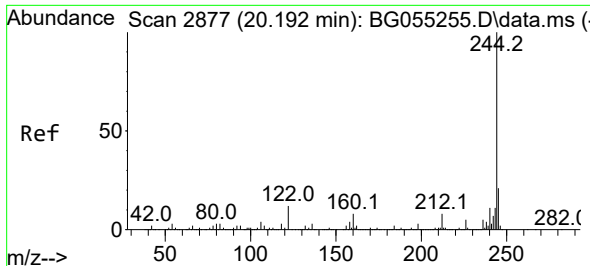
Ion Ratio Lower Upper

202 100

200 22.8 18.0 27.0

203 18.8 14.3 21.5

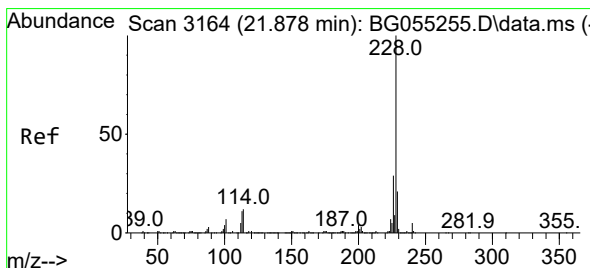
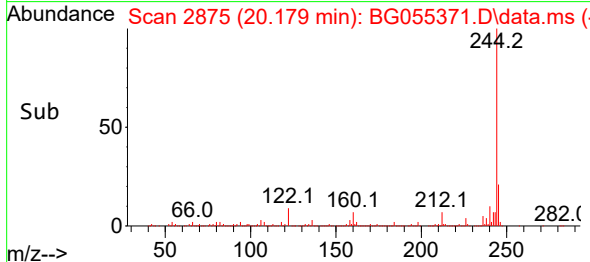
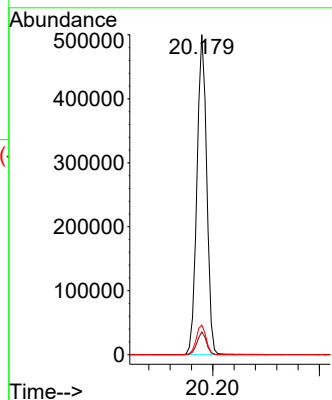
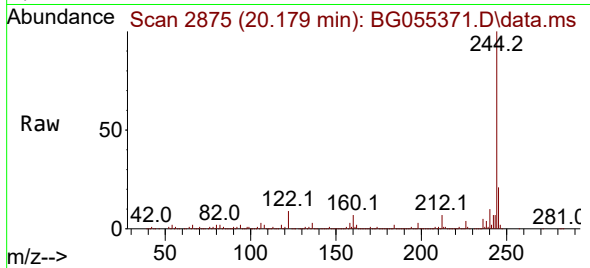




#79
 Terphenyl-d14
 Concen: 64.199 ng
 RT: 20.179 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG055371.D
 Acq: 29 Oct 2022 18:50

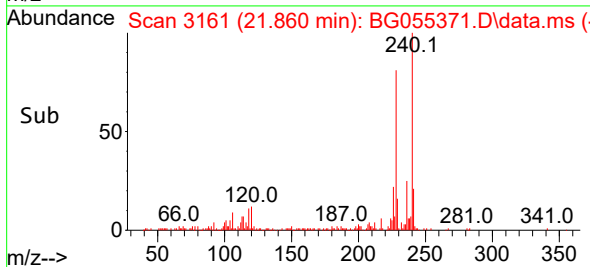
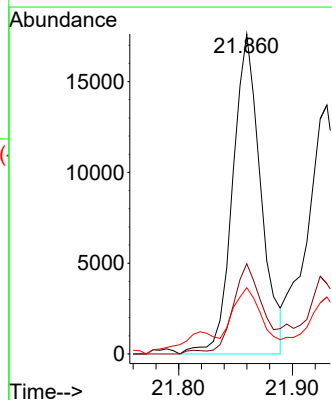
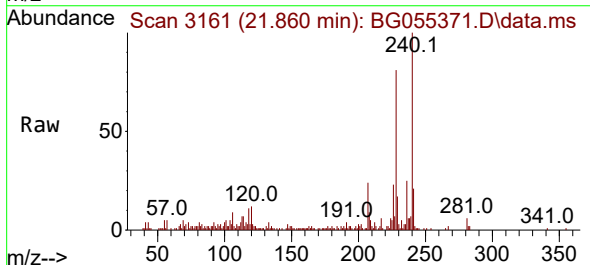
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-SE-QUARTER

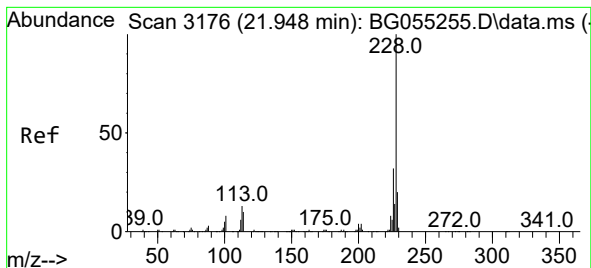
Tgt Ion:244 Resp: 639249
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.3 9.6 14.4#



#81
 Benzo(a)anthracene
 Concen: 2.179 ng
 RT: 21.860 min Scan# 3161
 Delta R.T. -0.013 min
 Lab File: BG055371.D
 Acq: 29 Oct 2022 18:50

Tgt Ion:228 Resp: 30268
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.9 34.3
 229 20.7 16.7 25.1





#83

Chrysene

Concen: 2.070 ng

RT: 21.930 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG055371.D

Acq: 29 Oct 2022 18:50

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-SE-QUARTER

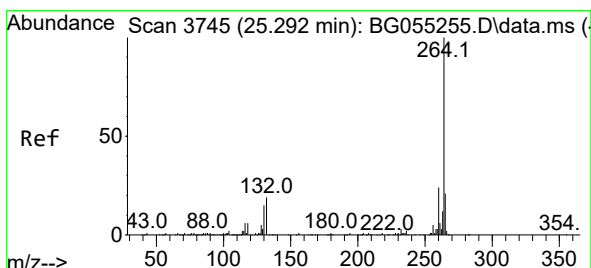
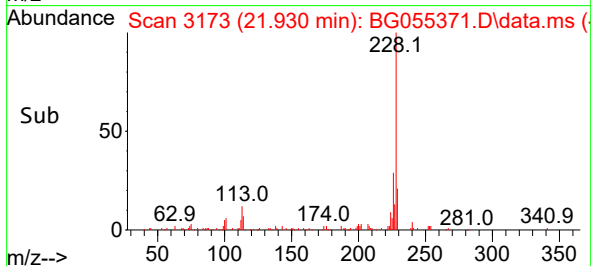
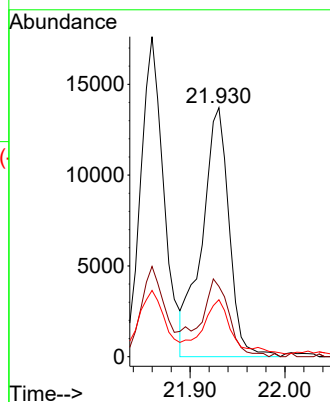
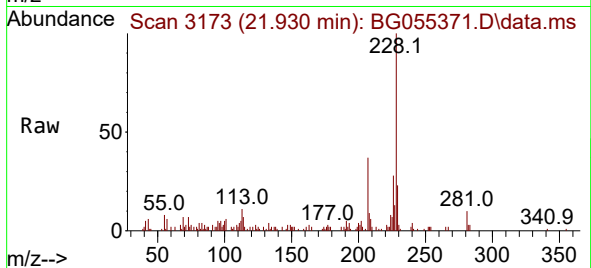
Tgt Ion:228 Resp: 27321

Ion Ratio Lower Upper

228 100

226 28.2 25.8 38.8

229 22.9 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.273 min Scan# 3742

Delta R.T. -0.013 min

Lab File: BG055371.D

Acq: 29 Oct 2022 18:50

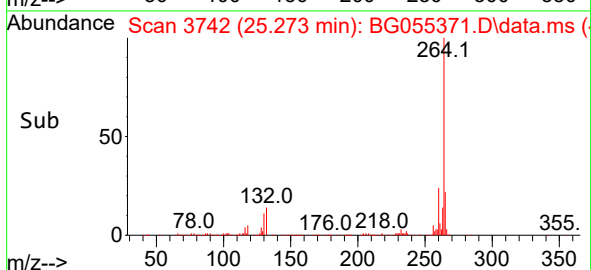
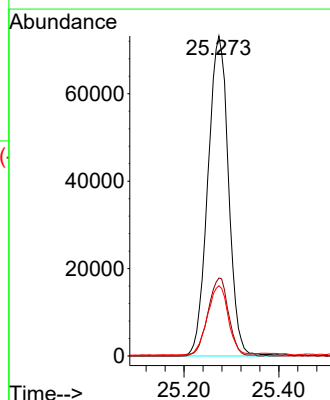
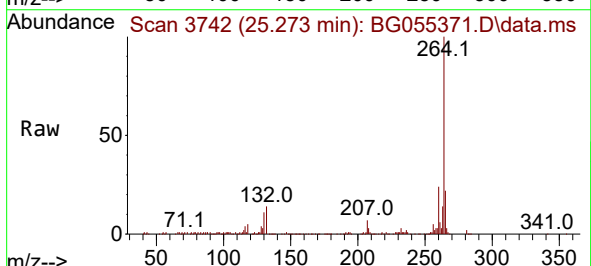
Tgt Ion:264 Resp: 221053

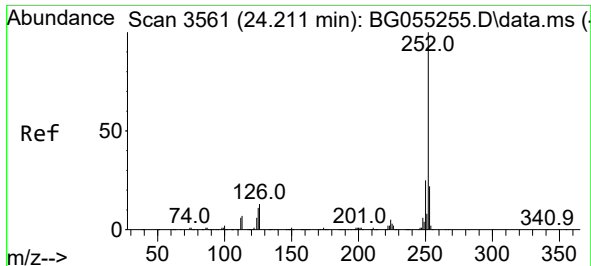
Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.9 17.4 26.2

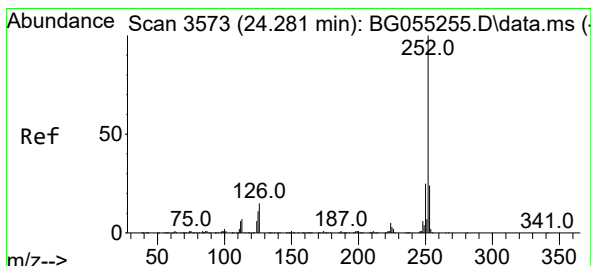
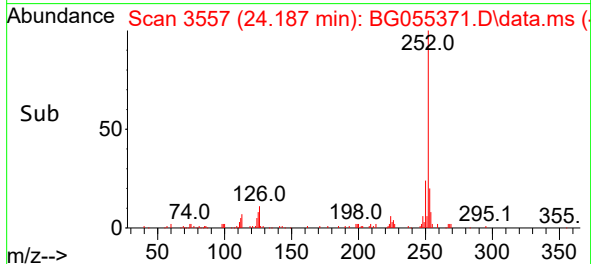
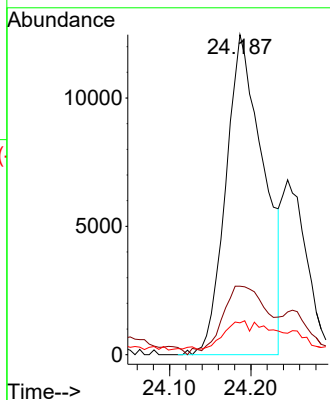
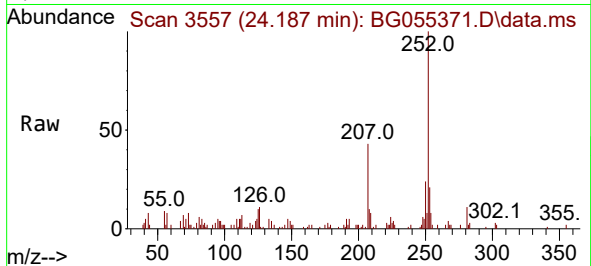




#88
Benzo(b)fluoranthene
Concen: 3.023 ng
RT: 24.187 min Scan# 3557
Delta R.T. -0.013 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

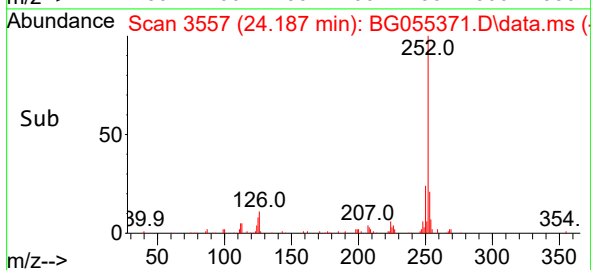
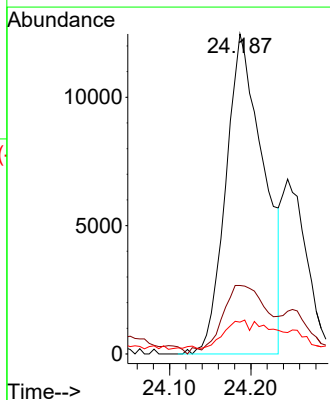
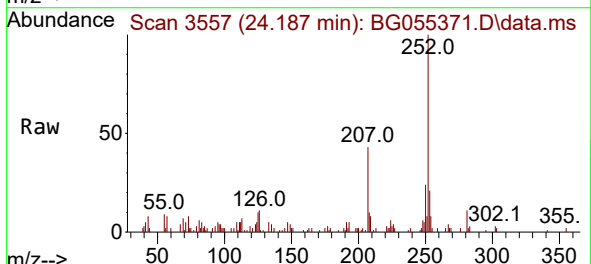
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-SE-QUARTER

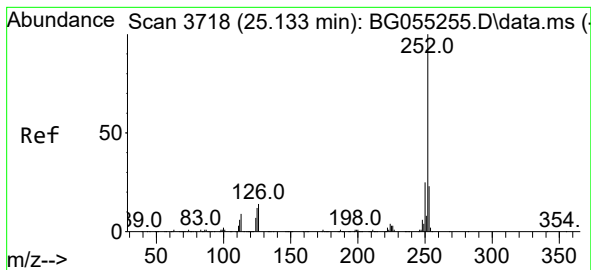
Tgt Ion:252 Resp: 40194
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 10.0 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 2.994 ng
RT: 24.187 min Scan# 3557
Delta R.T. -0.089 min
Lab File: BG055371.D
Acq: 29 Oct 2022 18:50

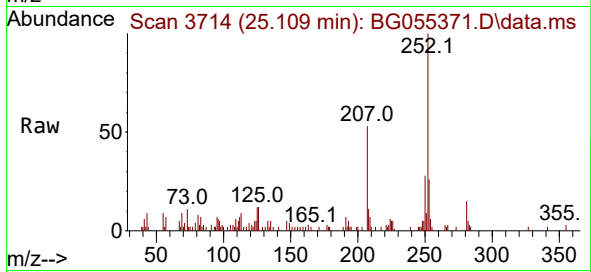
Tgt Ion:252 Resp: 40194
Ion Ratio Lower Upper
252 100
253 21.4 18.6 27.8
125 10.0 9.1 13.7





#90
 Benzo(a)pyrene
 Concen: 2.594 ng
 RT: 25.109 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BG055371.D
 Acq: 29 Oct 2022 18:50

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-SE-QUARTER



Tgt Ion:252	Resp:	29575
Ion Ratio	Lower	Upper
252	100	
253	26.2	18.2 27.2
125	11.7	9.8 14.8

