

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011623\
 Data File : BG056299.D
 Acq On : 16 Jan 2023 16:46
 Operator : CG/JU
 Sample : 01133-03RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-2

Quant Time: Jan 17 05:26:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

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

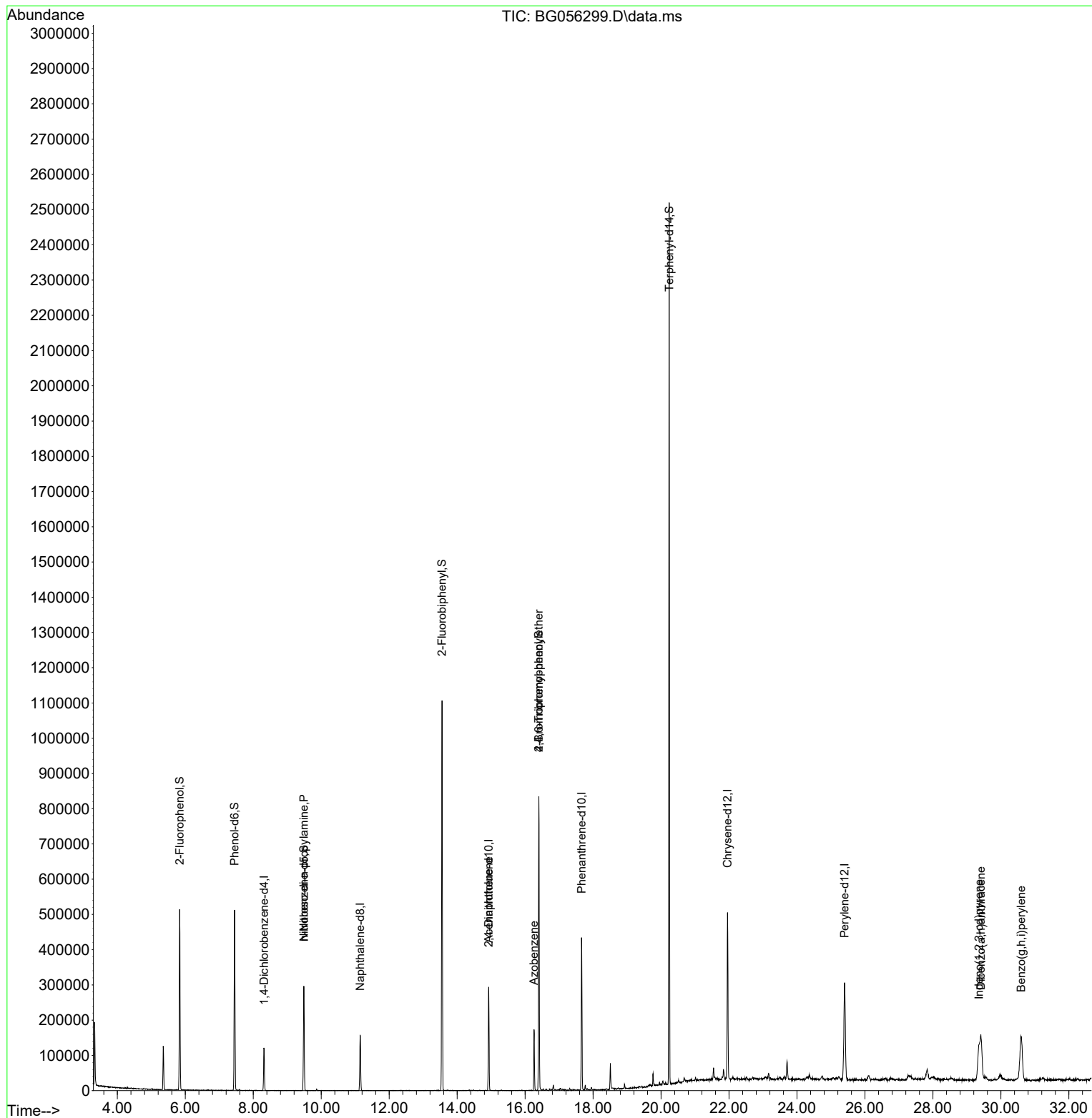
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	39849	20.000	ng	0.00
21) Naphthalene-d8	11.144	136	144985	20.000	ng	# 0.00
39) Acenaphthene-d10	14.928	164	114622	20.000	ng	0.00
64) Phenanthrene-d10	17.660	188	302752	20.000	ng	0.00
76) Chrysene-d12	21.955	240	313236	20.000	ng	# 0.00
86) Perylene-d12	25.398	264	345012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.833	112	279437	125.206	ng	0.00
7) Phenol-d6	7.449	99	388216	113.267	ng	0.00
23) Nitrobenzene-d5	9.488	82	213648	75.376	ng	0.00
42) 2,4,6-Tribromophenol	16.403	330	169781	116.956	ng	0.00
45) 2-Fluorobiphenyl	13.553	172	627629	75.613	ng	0.00
79) Terphenyl-d14	20.240	244	1373529	78.537	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.488	70	25756	12.358	ng	# 77
57) 2,4-Dinitrotoluene	14.922	165	15073	5.466	ng	# 29
63) Azobenzene	16.262	77	47343	7.070	ng	# 1
67) 4-Bromophenyl-phenylether	16.403	248	14263	3.700	ng	# 1
87) Indeno(1,2,3-cd)pyrene	29.358	276	241999	9.645	ng	# 99
91) Dibenzo(a,h)anthracene	29.411	278	222950	10.598	ng	98
92) Benzo(g,h,i)perylene	30.598	276	296101	14.515	ng	95

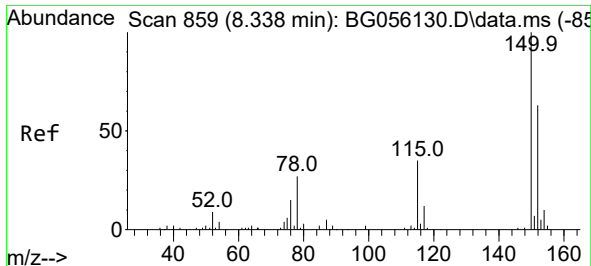
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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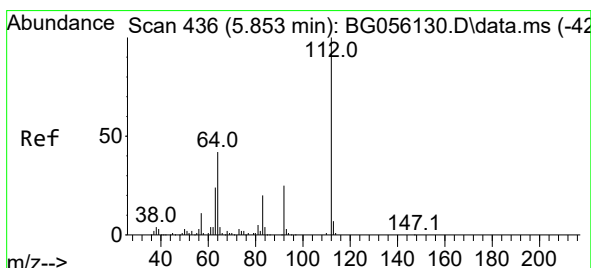
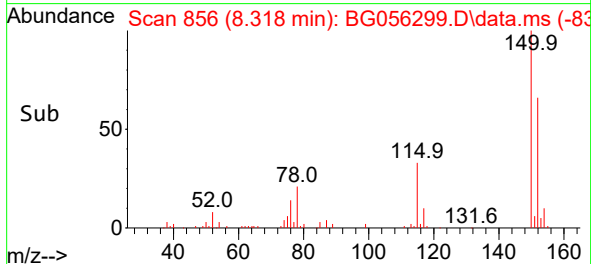
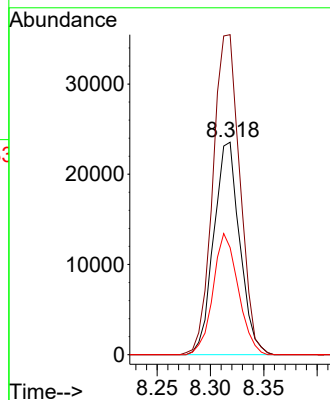
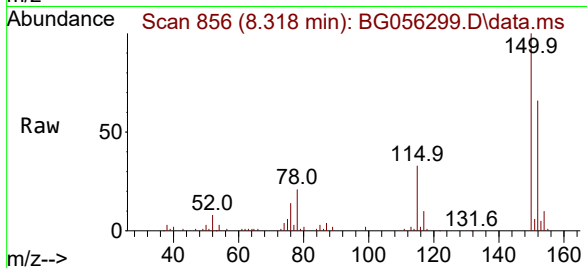




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.318 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

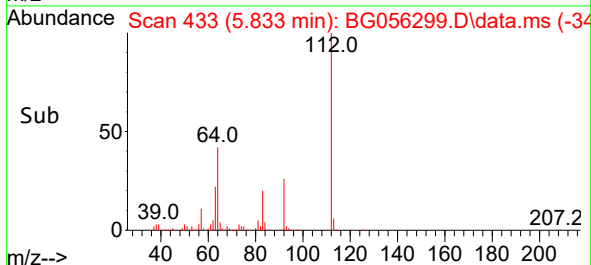
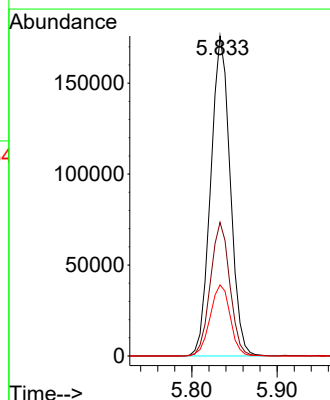
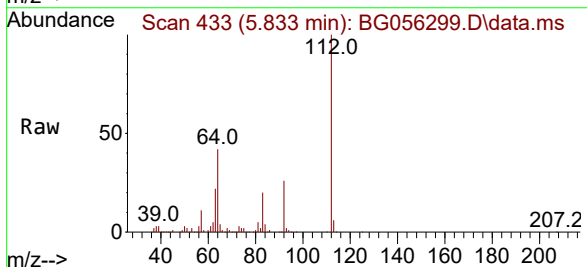
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-2

Tgt Ion:152 Resp: 39849
Ion Ratio Lower Upper
152 100
150 150.6 127.9 191.9
115 50.4 44.2 66.2



#5
2-Fluorophenol
Concen: 125.206 ng
RT: 5.833 min Scan# 433
Delta R.T. 0.007 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

Tgt Ion:112 Resp: 279437
Ion Ratio Lower Upper
112 100
64 41.8 33.3 49.9
63 22.2 19.0 28.4

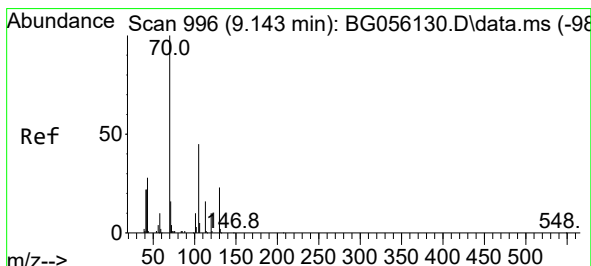
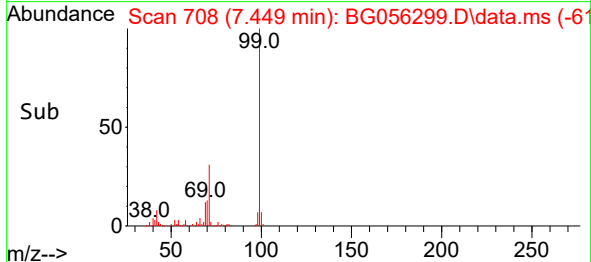
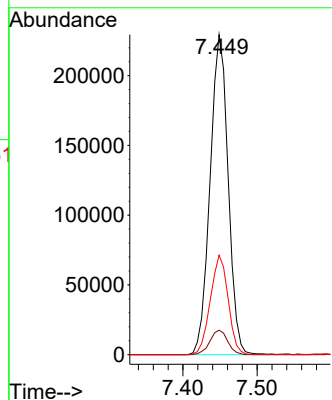
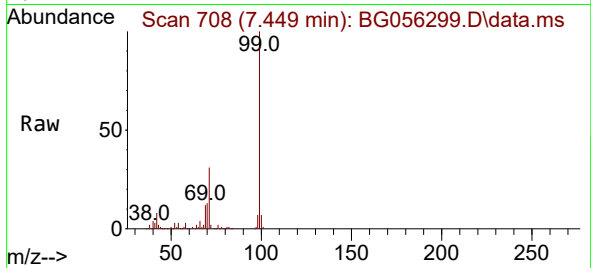




#7
Phenol-d6
Concen: 113.267 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.002 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

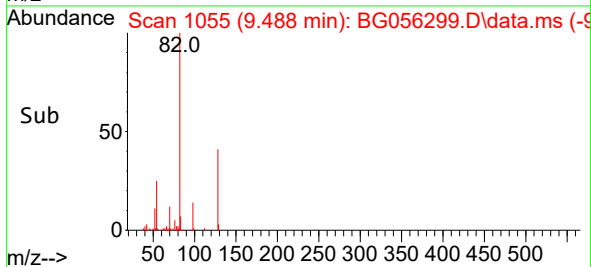
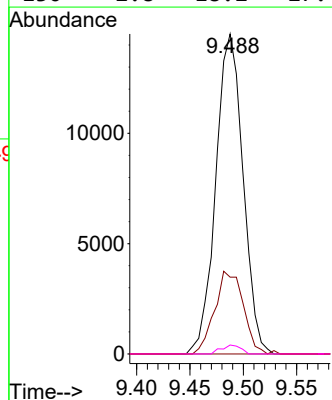
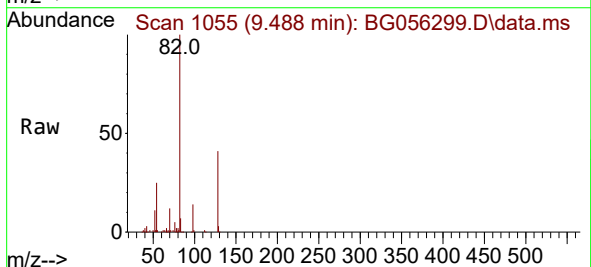
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-2

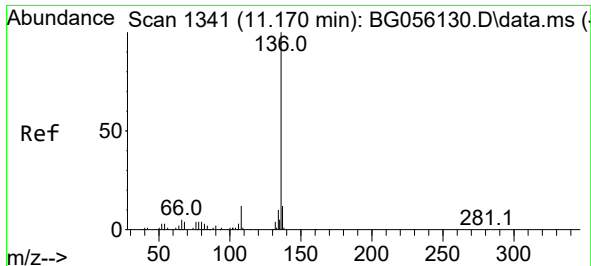
Tgt Ion: 99 Resp: 388216
Ion Ratio Lower Upper
99 100
42 7.7 5.9 8.9
71 31.1 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.358 ng
RT: 9.488 min Scan# 1055
Delta R.T. 0.372 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

Tgt Ion: 70 Resp: 25756
Ion Ratio Lower Upper
70 100
42 24.0 18.2 27.2
101 0.0 8.3 12.5#
130 2.8 18.2 27.4#

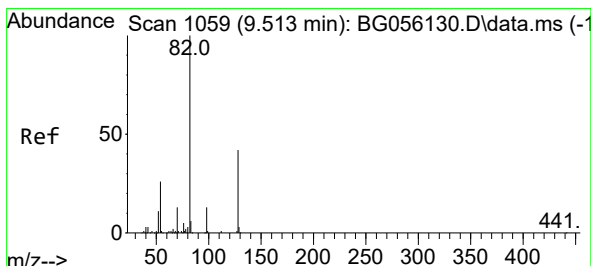
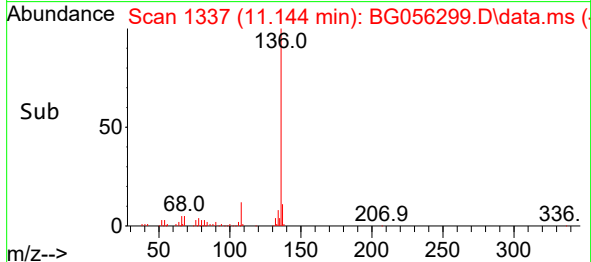
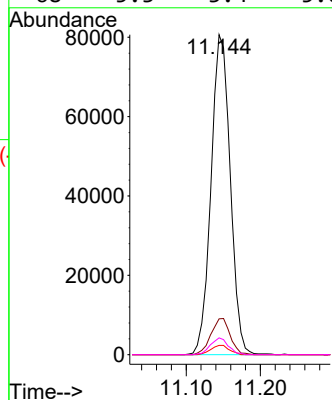
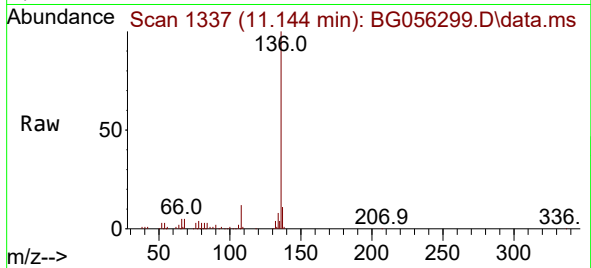




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.144 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

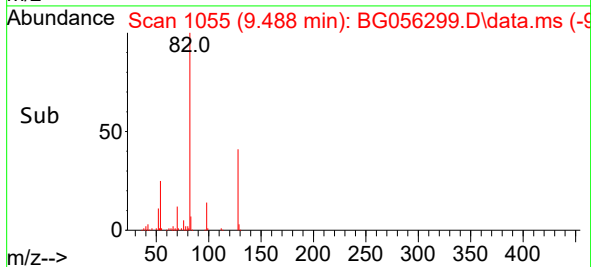
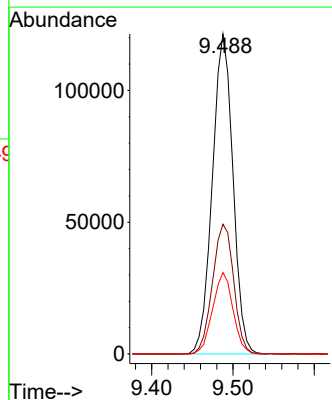
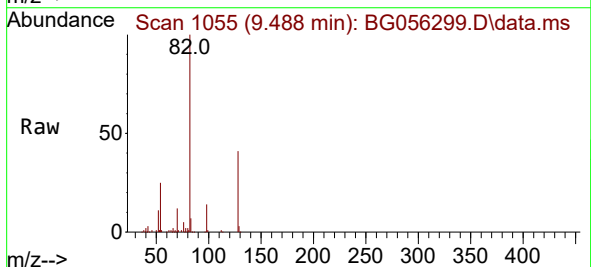
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-2

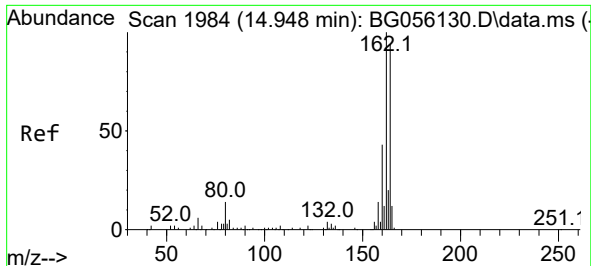
Tgt Ion:	136	Resp:	144985
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	2.9	2.2	3.2
68	5.3	3.4	5.0



#23
Nitrobenzene-d5
Concen: 75.376 ng
RT: 9.488 min Scan# 1055
Delta R.T. -0.004 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

Tgt Ion:	82	Resp:	213648
Ion Ratio	Lower	Upper	
82	100		
128	40.6	33.4	50.2
54	25.5	20.3	30.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.928 min Scan# 1981

Delta R.T. 0.002 min

Lab File: BG056299.D

Acq: 16 Jan 2023 16:46

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-2

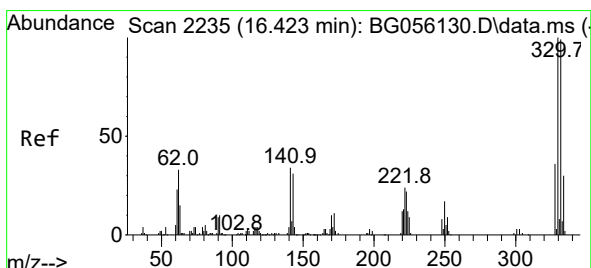
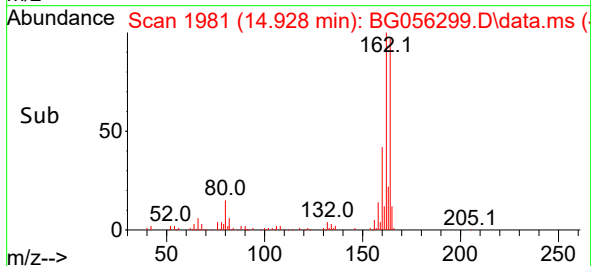
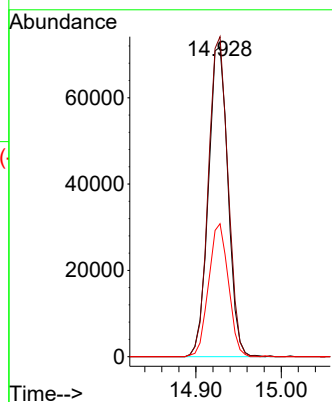
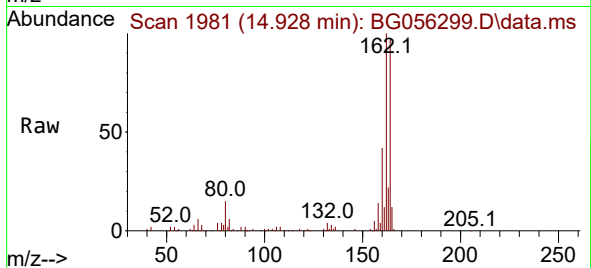
Tgt Ion:164 Resp: 114622

Ion Ratio Lower Upper

164 100

162 103.3 84.7 127.1

160 42.9 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 116.956 ng

RT: 16.403 min Scan# 2232

Delta R.T. -0.004 min

Lab File: BG056299.D

Acq: 16 Jan 2023 16:46

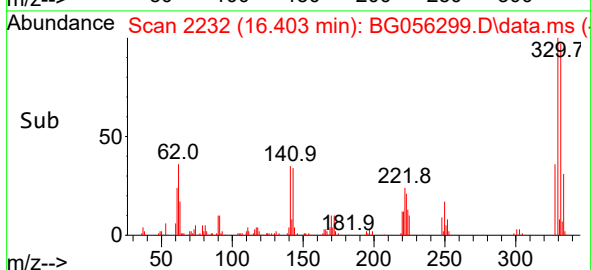
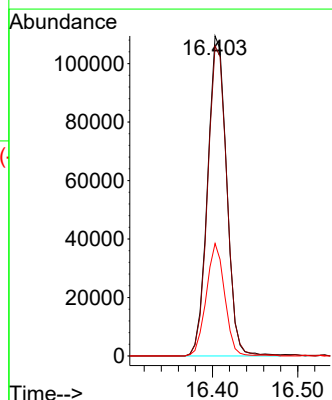
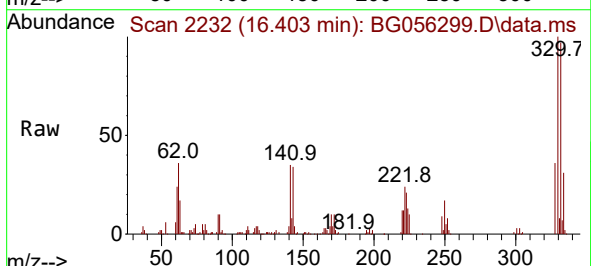
Tgt Ion:330 Resp: 169781

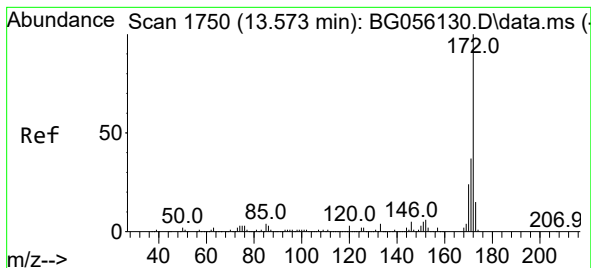
Ion Ratio Lower Upper

330 100

332 97.7 77.3 115.9

141 33.8 27.9 41.9

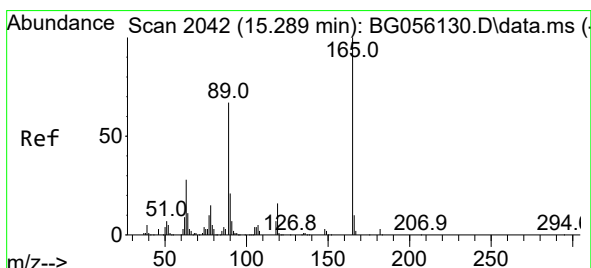
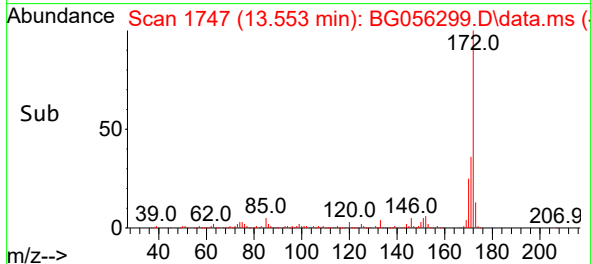
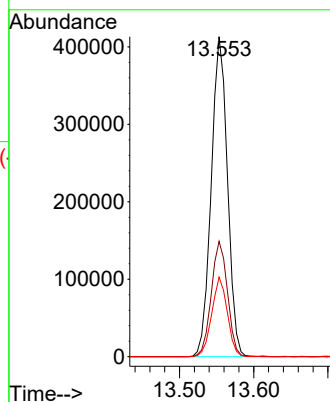
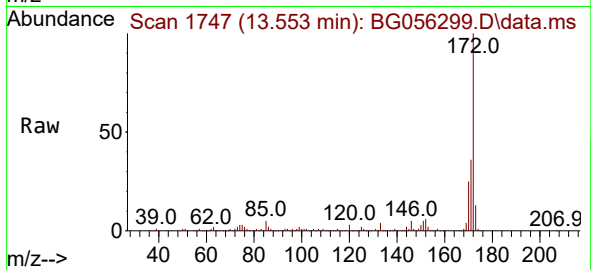




#45
2-Fluorobiphenyl
Concen: 75.613 ng
RT: 13.553 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

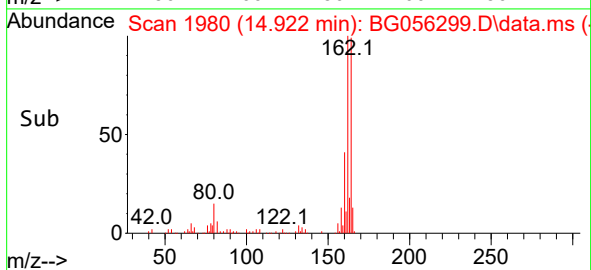
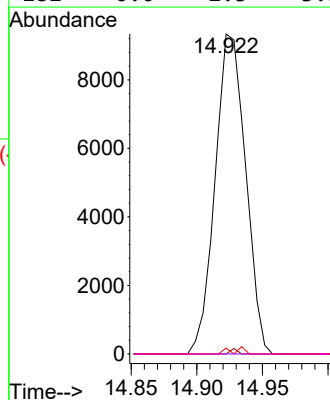
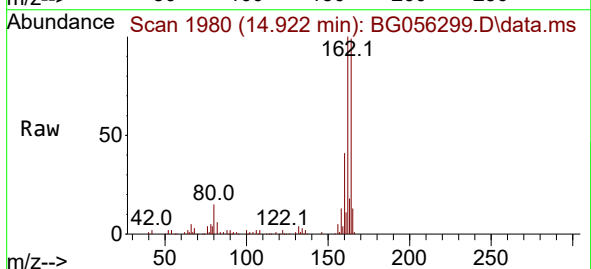
Instrument :
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ClientSampleId :
COMPOSITE-2

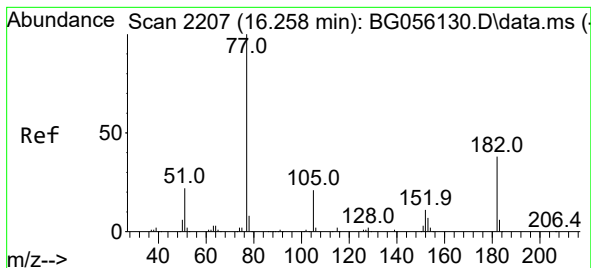
Tgt Ion:172 Resp: 627629
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.9 19.4 29.2



#57
2,4-Dinitrotoluene
Concen: 5.466 ng
RT: 14.922 min Scan# 1980
Delta R.T. -0.351 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

Tgt Ion:165 Resp: 15073
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.8 53.2 79.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 7.070 ng

RT: 16.262 min Scan# 21

Delta R.T. 0.019 min

Lab File: BG056299.D

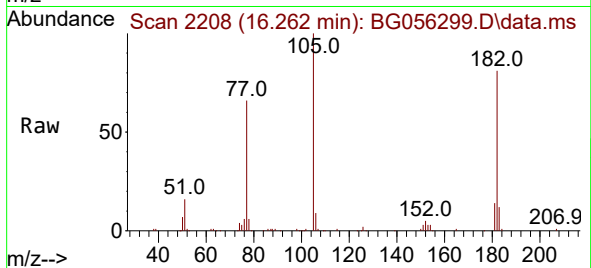
Acq: 16 Jan 2023 16:46

Instrument :

BNA_G

ClientSampleId :

COMPOSITE-2



Tgt Ion: 77 Resp: 47343

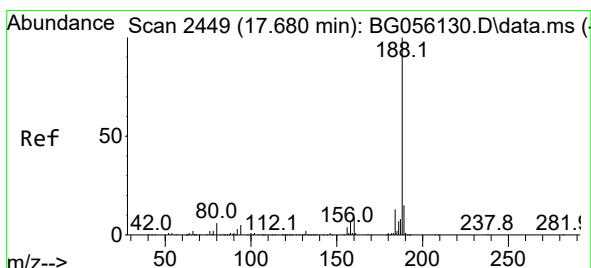
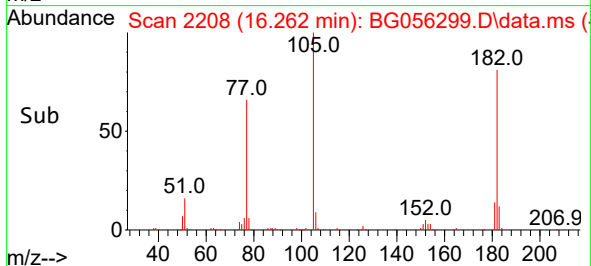
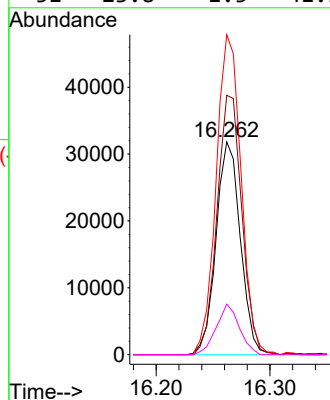
Ion Ratio Lower Upper

77 100

182 121.9 18.5 58.5#

105 150.4 1.4 41.4#

51 23.8 1.5 41.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.660 min Scan# 2446

Delta R.T. -0.004 min

Lab File: BG056299.D

Acq: 16 Jan 2023 16:46

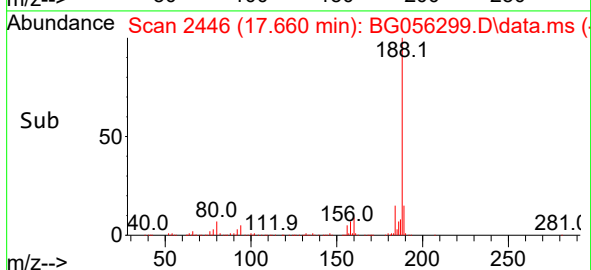
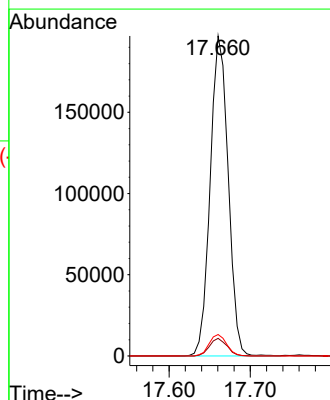
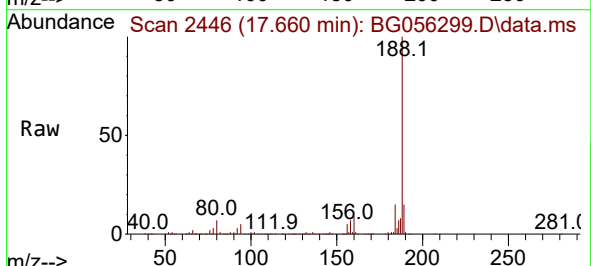
Tgt Ion:188 Resp: 302752

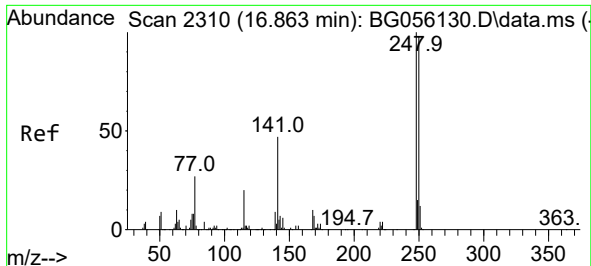
Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

80 6.7 5.0 7.4

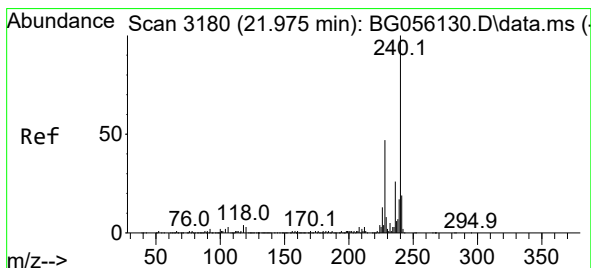
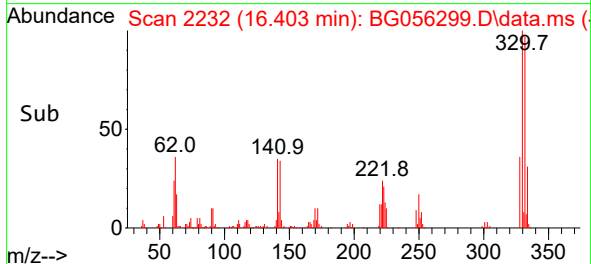
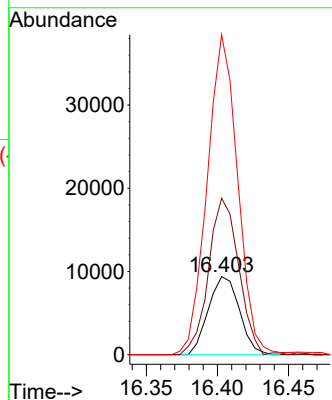
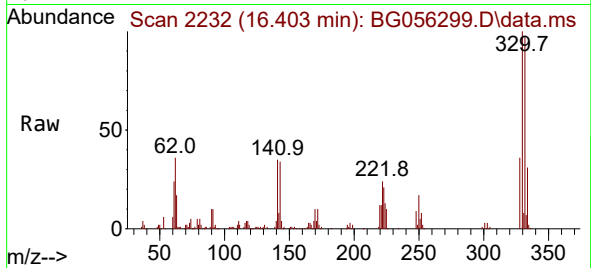




#67
4-Bromophenyl-phenylether
Concen: 3.700 ng
RT: 16.403 min Scan# 21
Delta R.T. -0.445 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

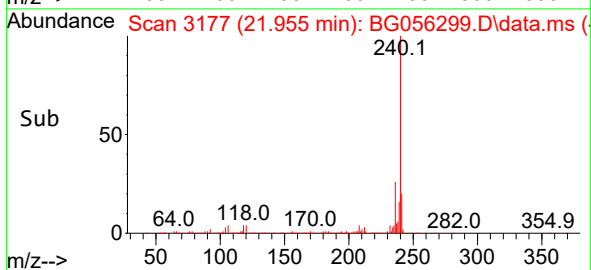
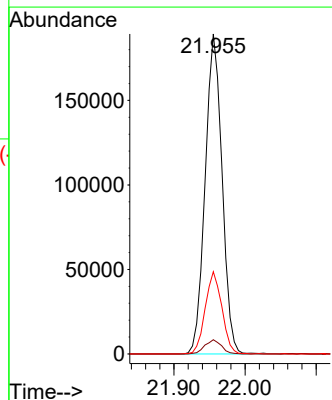
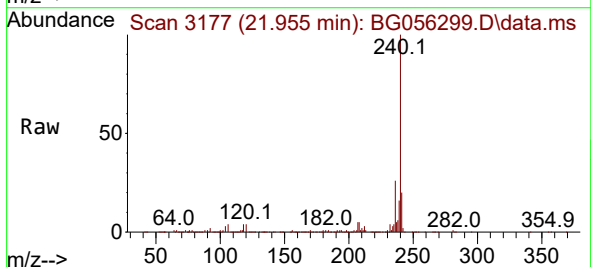
Instrument :
BNA_G
ClientSampleId :
COMPOSITE-2

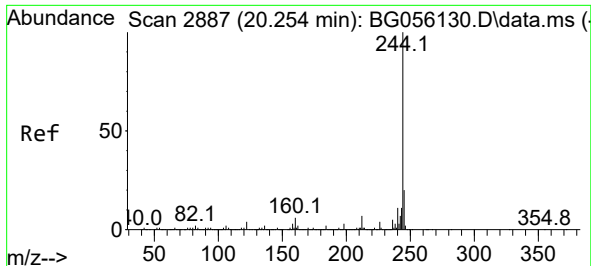
Tgt Ion:248 Resp: 14263
Ion Ratio Lower Upper
248 100
250 200.3 78.2 117.4#
141 409.5 37.6 56.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.955 min Scan# 3177
Delta R.T. -0.004 min
Lab File: BG056299.D
Acq: 16 Jan 2023 16:46

Tgt Ion:240 Resp: 313236
Ion Ratio Lower Upper
240 100
120 4.5 2.6 4.0#
236 25.7 20.8 31.2

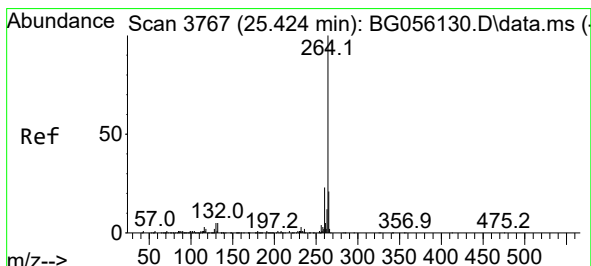
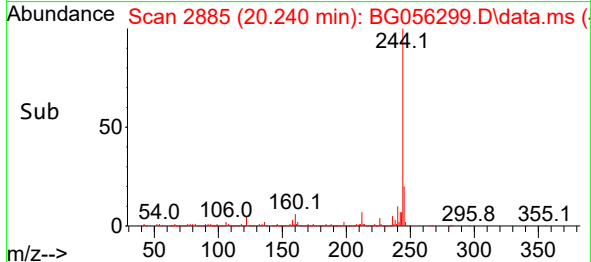
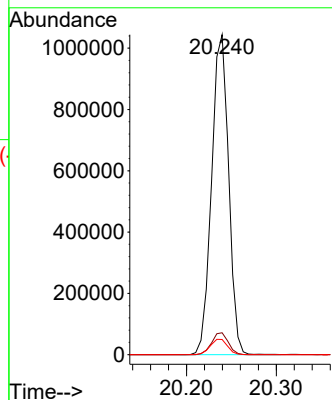
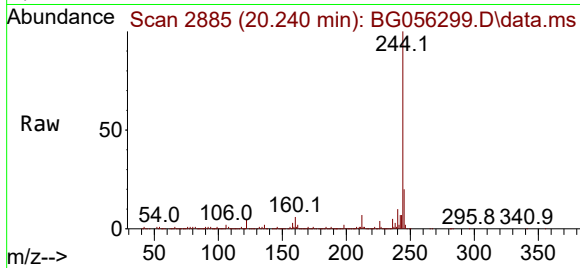




#79
 Terphenyl-d14
 Concen: 78.537 ng
 RT: 20.240 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG056299.D
 Acq: 16 Jan 2023 16:46

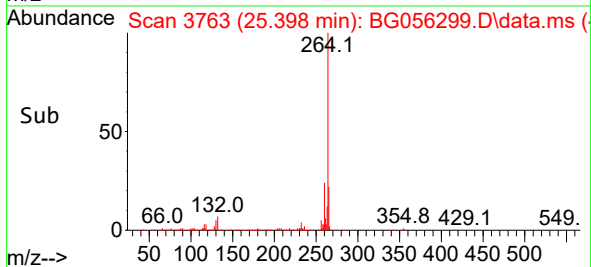
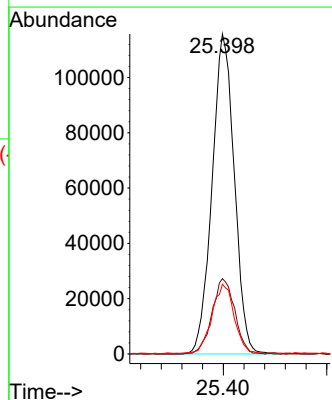
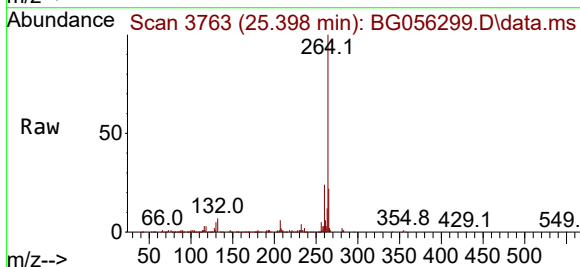
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-2

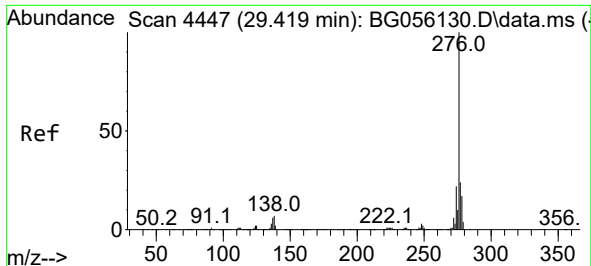
Tgt Ion:244 Resp: 1373529
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 4.8 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.398 min Scan# 3763
 Delta R.T. -0.004 min
 Lab File: BG056299.D
 Acq: 16 Jan 2023 16:46

Tgt Ion:264 Resp: 345012
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.8 16.7 25.1

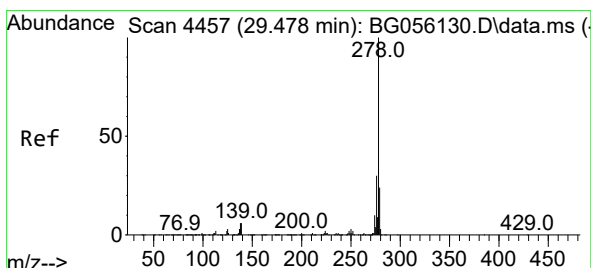
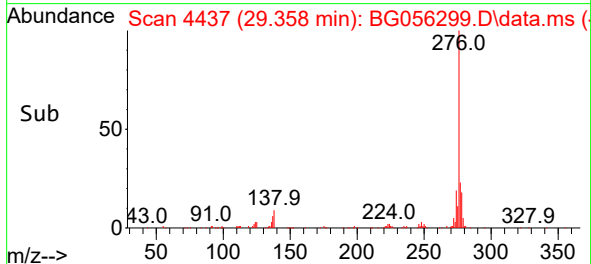
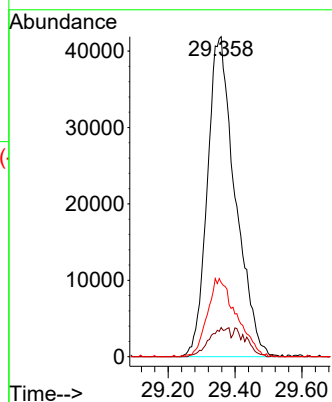
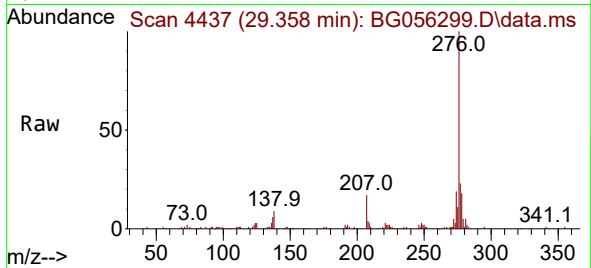




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.645 ng
 RT: 29.358 min Scan# 4437
 Delta R.T. -0.004 min
 Lab File: BG056299.D
 Acq: 16 Jan 2023 16:46

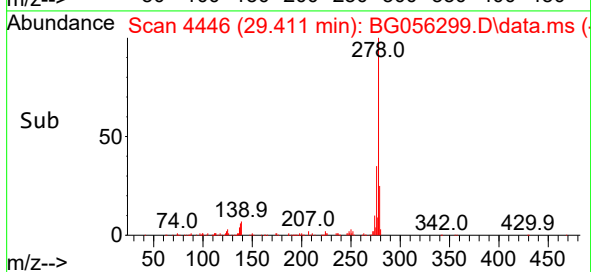
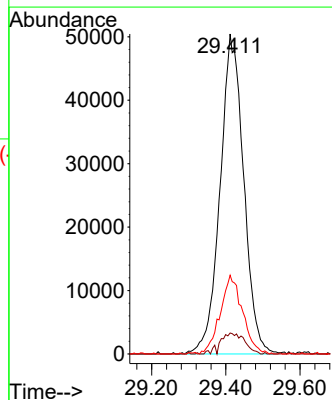
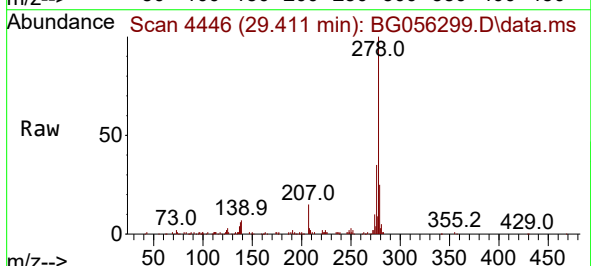
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-2

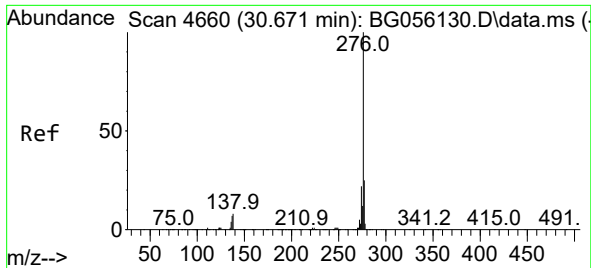
Tgt Ion:276 Resp: 241999
 Ion Ratio Lower Upper
 276 100
 138 4.8 5.0 7.4#
 277 25.7 20.5 30.7



#91
 Dibenzo(a,h)anthracene
 Concen: 10.598 ng
 RT: 29.411 min Scan# 4446
 Delta R.T. -0.022 min
 Lab File: BG056299.D
 Acq: 16 Jan 2023 16:46

Tgt Ion:278 Resp: 222950
 Ion Ratio Lower Upper
 278 100
 139 6.6 4.8 7.2
 279 24.6 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 14.515 ng
 RT: 30.598 min Scan# 4648
 Delta R.T. -0.016 min
 Lab File: BG056299.D
 Acq: 16 Jan 2023 16:46

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE-2

Tgt Ion:276 Resp: 296101
 Ion Ratio Lower Upper
 276 100
 277 21.3 19.7 29.5
 138 7.7 6.7 10.1

