

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055826.D
 Acq On : 29 Nov 2022 13:15
 Operator : CG/JU
 Sample : N5772-02DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL

Quant Time: Nov 30 02:03:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

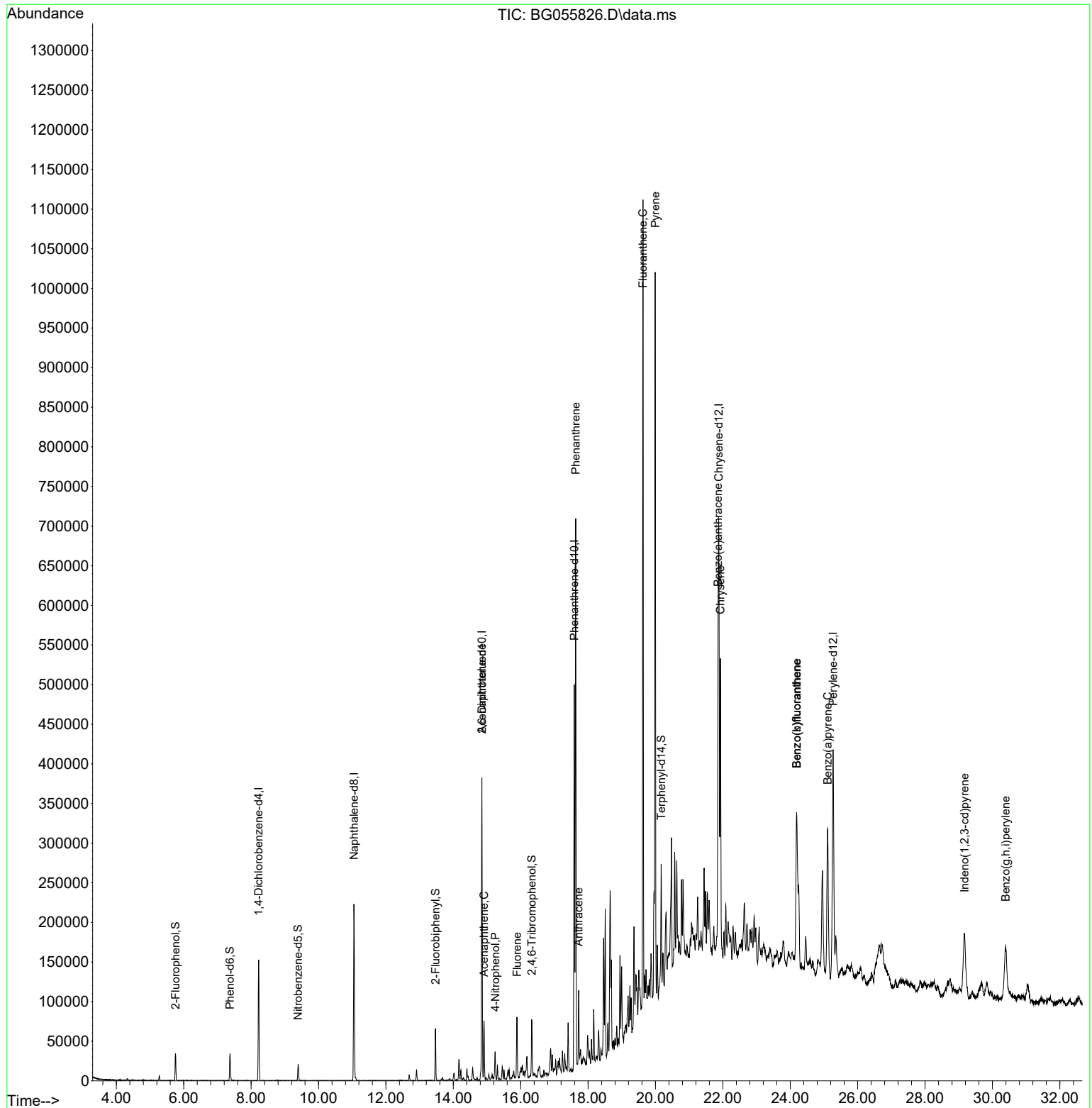
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	44179	20.000	ng	0.00
21) Naphthalene-d8	11.051	136	187723	20.000	ng	0.00
39) Acenaphthene-d10	14.847	164	138878	20.000	ng	0.00
64) Phenanthrene-d10	17.591	188	315273	20.000	ng	0.00
76) Chrysene-d12	21.880	240	294638	20.000	ng	0.00
86) Perylene-d12	25.270	264	323211	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.758	112	15575	6.372	ng	0.00
7) Phenol-d6	7.373	99	20366	6.260	ng	0.00
23) Nitrobenzene-d5	9.395	82	13032	3.669	ng	0.00
42) 2,4,6-Tribromophenol	16.328	330	11068	5.660	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	35686	3.850	ng	0.00
79) Terphenyl-d14	20.170	244	61062	4.145	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.847	165	19466	8.599	ng	# 27
52) Acenaphthene	14.912	154	26643	3.147	ng	98
56) 4-Nitrophenol	15.247	139	6513	3.339	ng	# 6
58) Fluorene	15.893	166	35722	3.425	ng	98
71) Phenanthrene	17.632	178	447888	26.325	ng	99
72) Anthracene	17.720	178	65429	3.958	ng	99
75) Fluoranthene	19.630	202	645205	31.172	ng	99
78) Pyrene	19.994	202	614680	30.821	ng	99
81) Benzo(a)anthracene	21.856	228	257633	12.695	ng	99
83) Chrysene	21.927	228	259416	13.428	ng	98
87) Indeno(1,2,3-cd)pyrene	29.171	276	137909	5.208	ng	# 97
88) Benzo(b)fluoranthene	24.189	252	290952	13.822	ng	99
89) Benzo(k)fluoranthene	24.189	252	290952	13.867	ng	98
90) Benzo(a)pyrene	25.111	252	228408	12.645	ng	97
92) Benzo(g,h,i)perylene	30.394	276	136402	6.255	ng	96

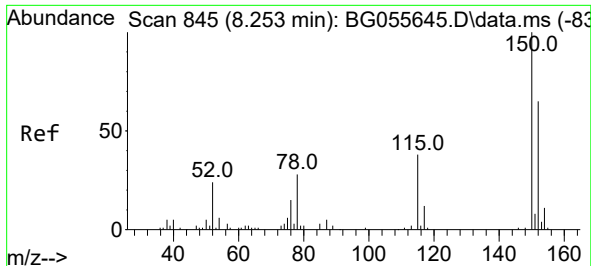
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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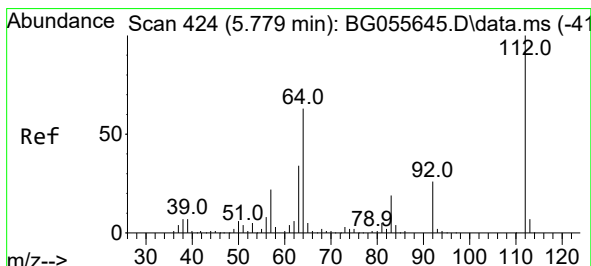
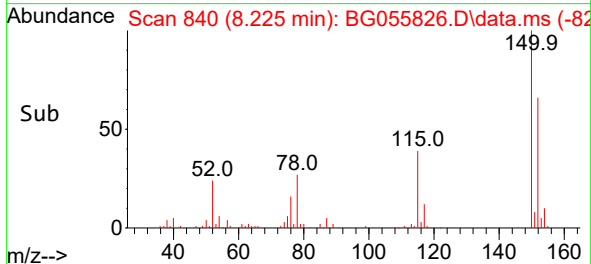
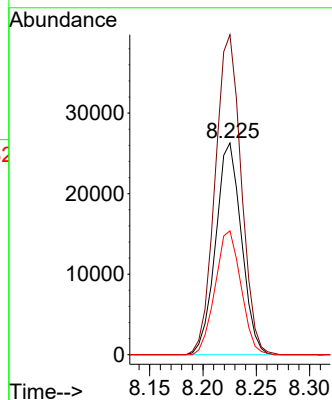
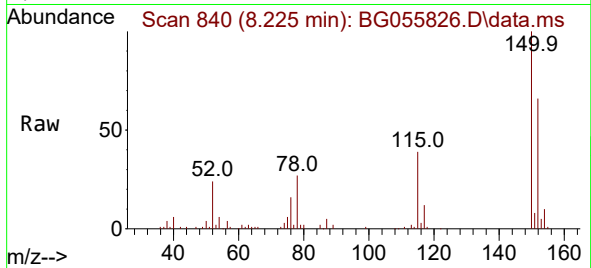




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

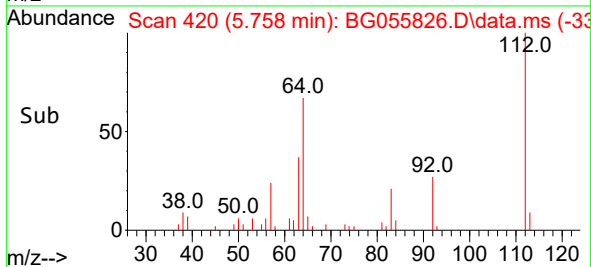
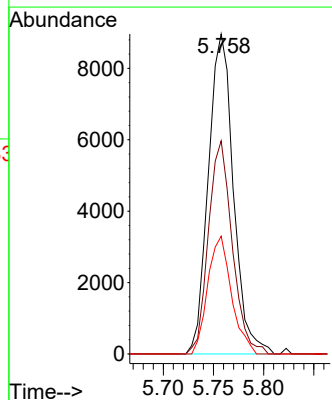
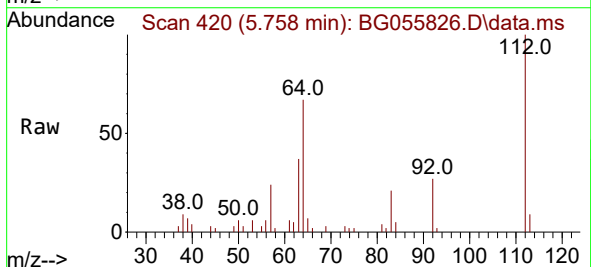
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

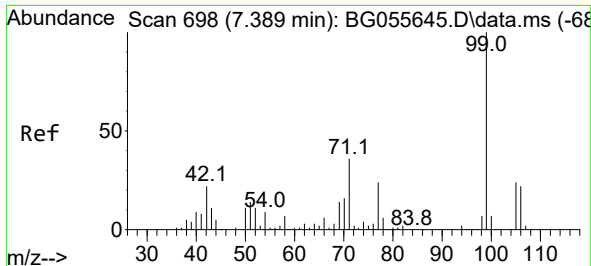
Tgt Ion:152 Resp: 44179
Ion Ratio Lower Upper
152 100
150 151.1 123.0 184.6
115 58.5 47.0 70.4



#5
2-Fluorophenol
Concen: 6.372 ng
RT: 5.758 min Scan# 420
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:112 Resp: 15575
Ion Ratio Lower Upper
112 100
64 66.6 50.6 76.0
63 36.8 27.5 41.3

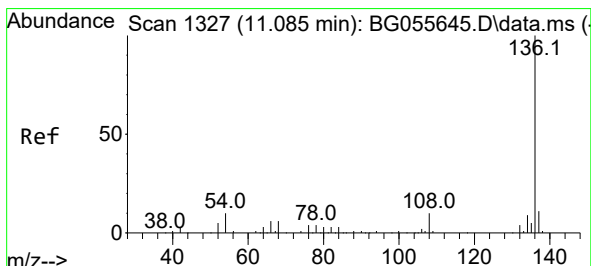
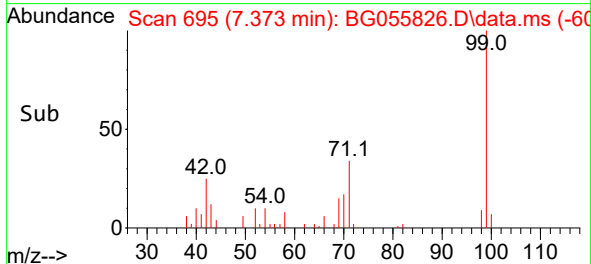
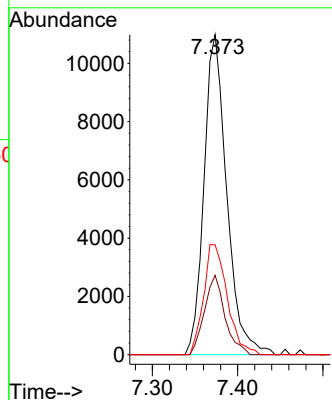
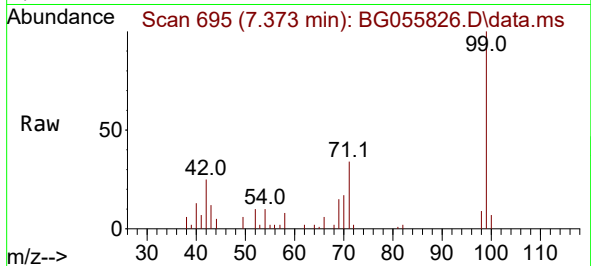




#7
Phenol-d6
Concen: 6.260 ng
RT: 7.373 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

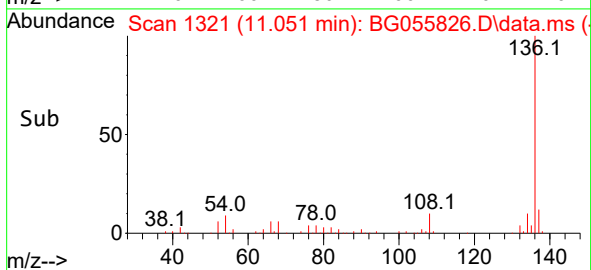
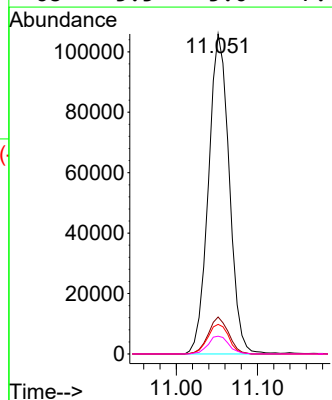
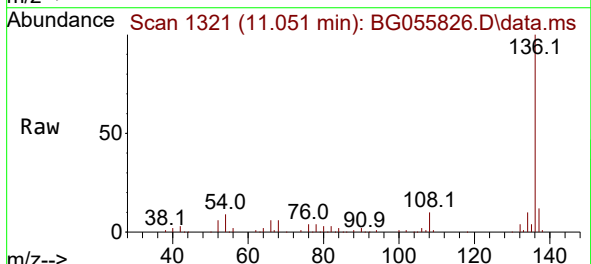
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

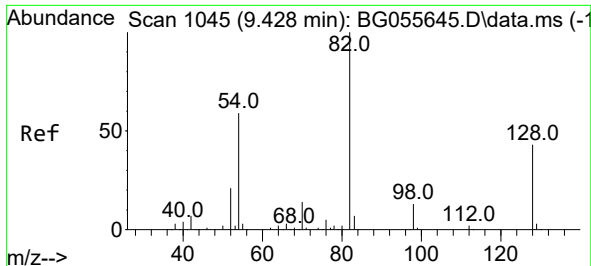
Tgt Ion: 99	Resp: 20366
Ion Ratio	Lower Upper
99 100	
42 24.8	18.0 27.0
71 34.4	29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.051 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion: 136	Resp: 187723
Ion Ratio	Lower Upper
136 100	
137 11.6	9.0 13.6
54 9.3	7.8 11.6
68 5.5	5.0 7.4





#23

Nitrobenzene-d5

Concen: 3.669 ng

RT: 9.395 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

LOCATION-2DL

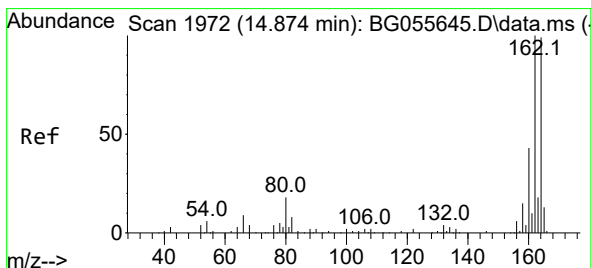
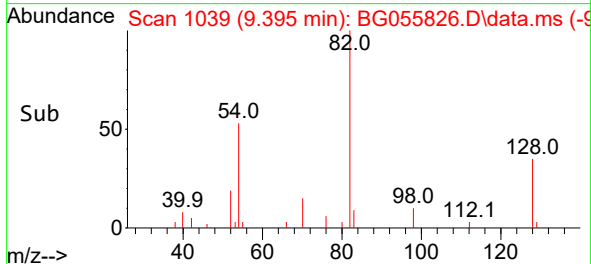
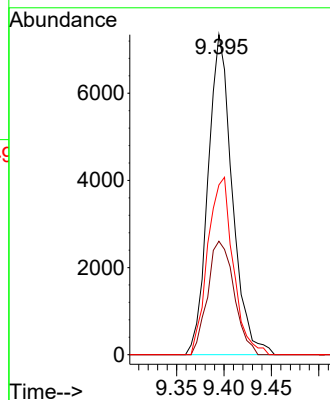
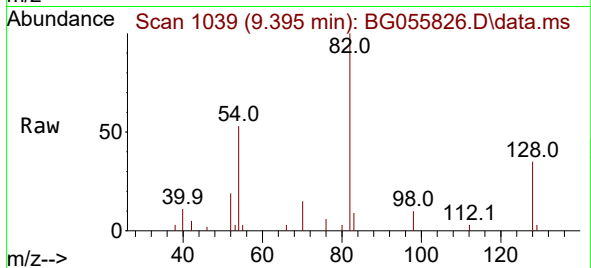
Tgt Ion: 82 Resp: 13032

Ion Ratio Lower Upper

82 100

128 35.5 34.1 51.1

54 53.0 47.3 70.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.847 min Scan# 1967

Delta R.T. -0.006 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

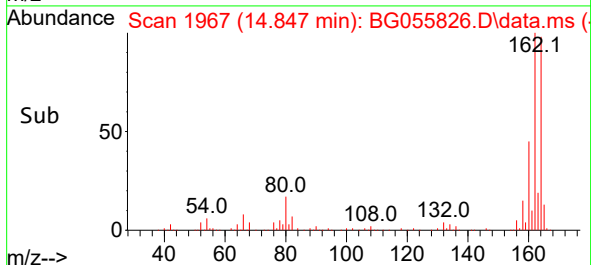
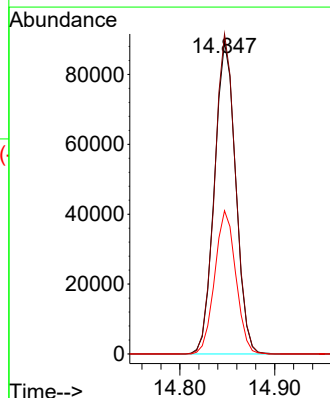
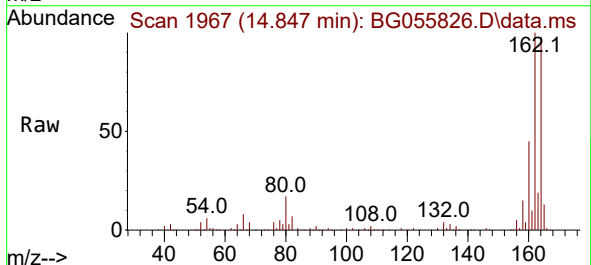
Tgt Ion:164 Resp: 138878

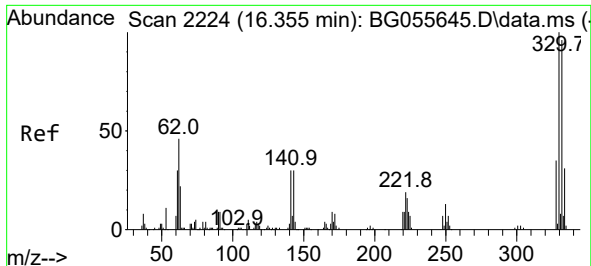
Ion Ratio Lower Upper

164 100

162 102.5 81.1 121.7

160 45.9 34.8 52.2

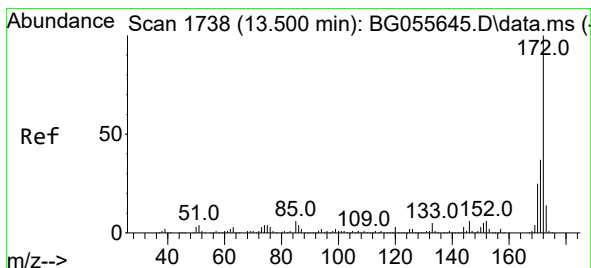
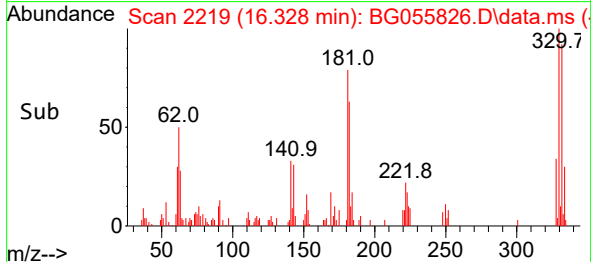
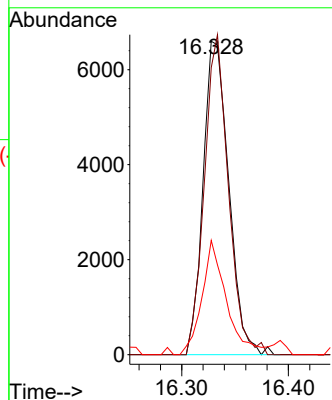
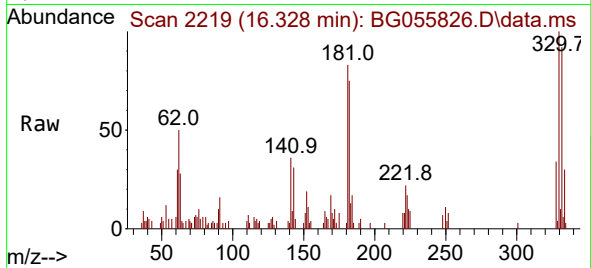




#42
 2,4,6-Tribromophenol
 Concen: 5.660 ng
 RT: 16.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

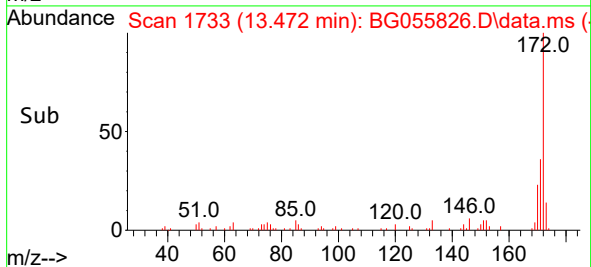
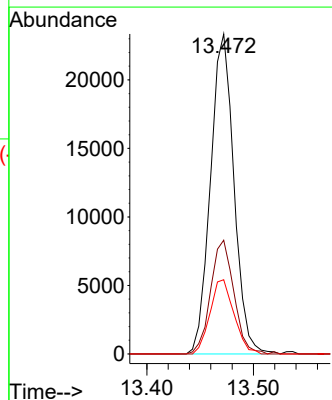
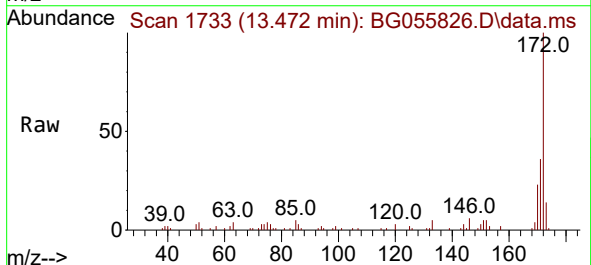
Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL

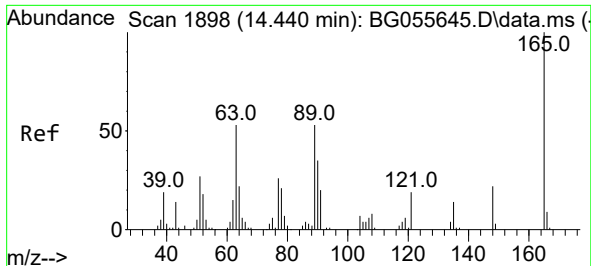
Tgt Ion:330 Resp: 11068
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.8 116.8
 141 34.6 23.9 35.9



#45
 2-Fluorobiphenyl
 Concen: 3.850 ng
 RT: 13.472 min Scan# 1733
 Delta R.T. -0.000 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

Tgt Ion:172 Resp: 35686
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.8 44.6
 170 23.2 20.2 30.4

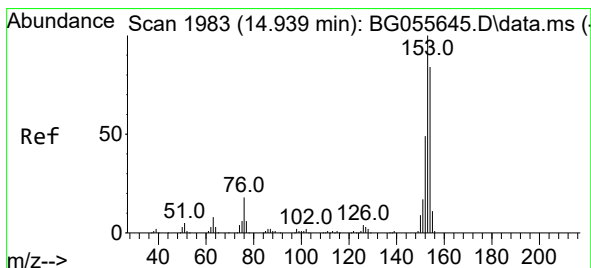
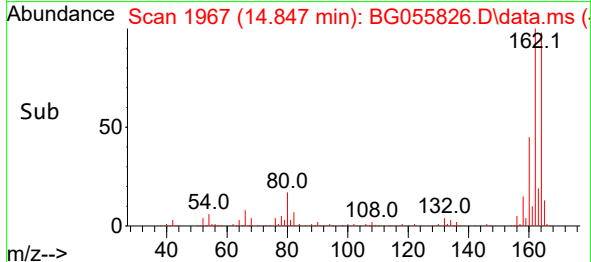
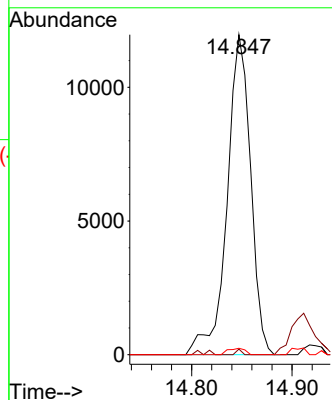
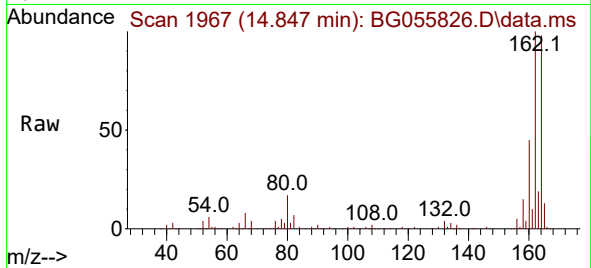




#51
2,6-Dinitrotoluene
Concen: 8.599 ng
RT: 14.847 min Scan# 1967
Delta R.T. 0.429 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

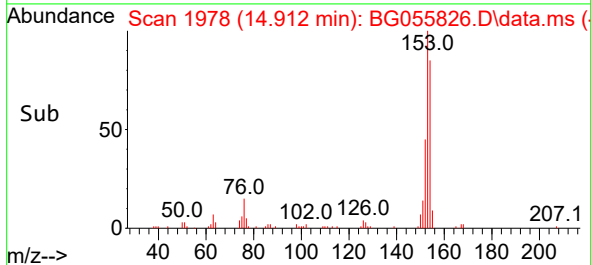
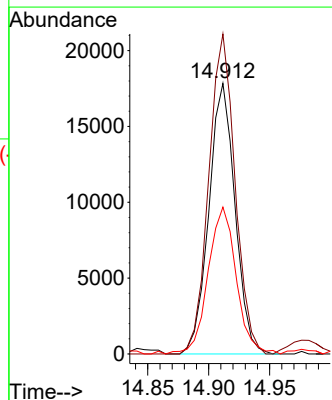
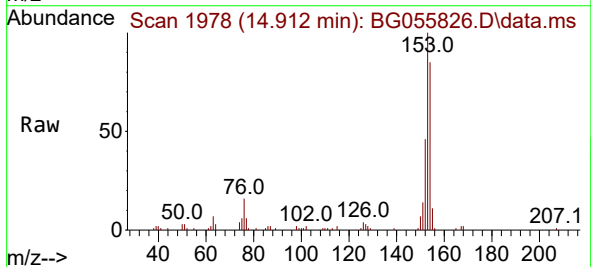
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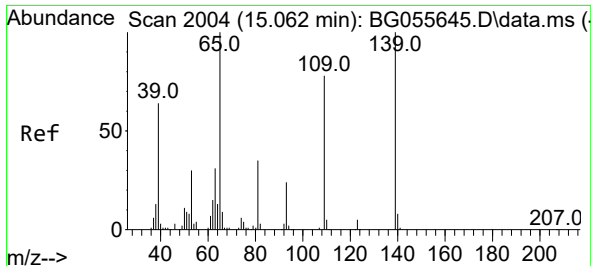
Tgt Ion:165 Resp: 19466
Ion Ratio Lower Upper
165 100
63 1.7 44.6 66.8#
89 2.0 42.2 63.4#



#52
Acenaphthene
Concen: 3.147 ng
RT: 14.912 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:154 Resp: 26643
Ion Ratio Lower Upper
154 100
153 118.3 95.0 142.4
152 54.3 46.1 69.1

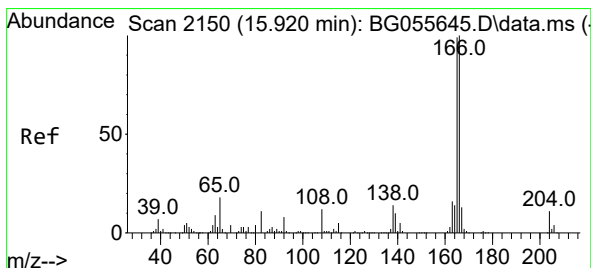
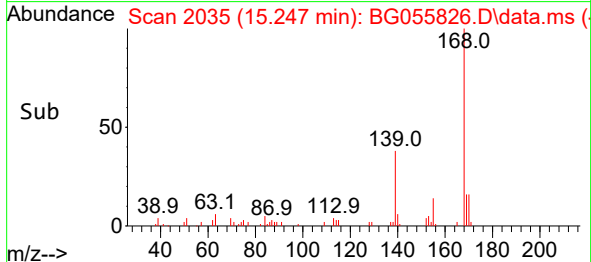
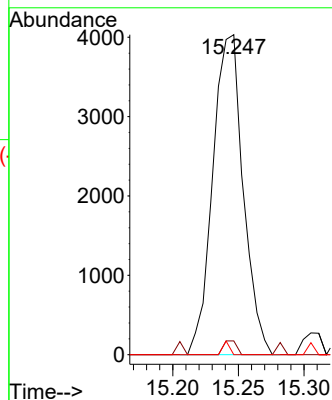
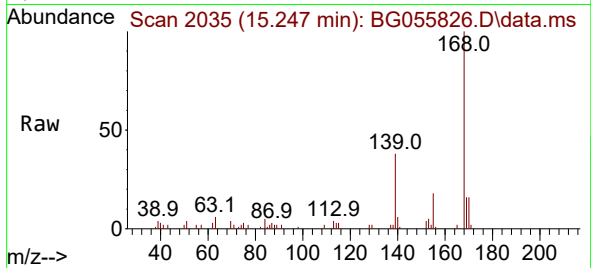




#56
4-Nitrophenol
Concen: 3.339 ng
RT: 15.247 min Scan# 20
Delta R.T. 0.188 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

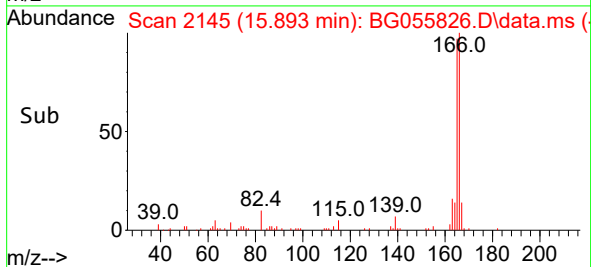
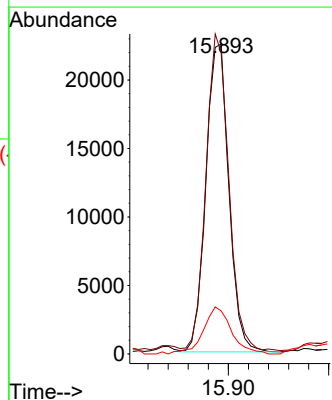
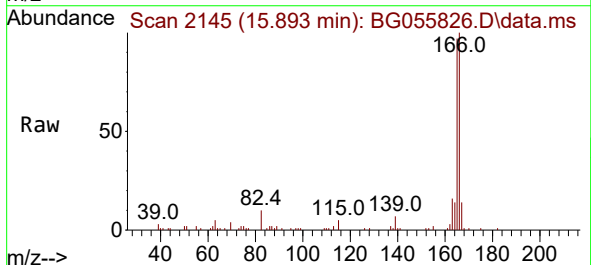
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ClientSampleId :
LOCATION-2DL

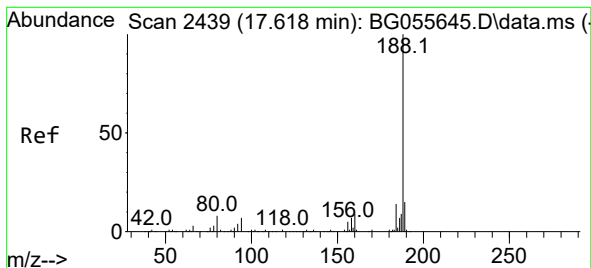
Tgt Ion:139 Resp: 6513
Ion Ratio Lower Upper
139 100
109 4.3 58.6 98.6#
65 0.0 80.5 120.5#



#58
Fluorene
Concen: 3.425 ng
RT: 15.893 min Scan# 2145
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:166 Resp: 35722
Ion Ratio Lower Upper
166 100
165 97.1 79.3 118.9
167 13.9 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.591 min Scan# 2439

Delta R.T. -0.000 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

LOCATION-2DL

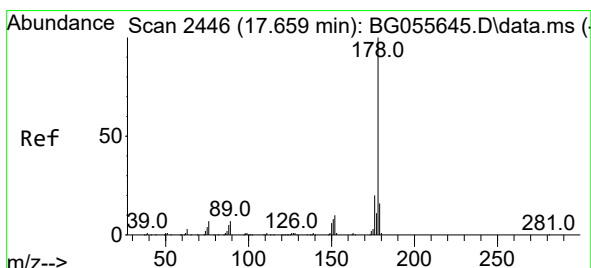
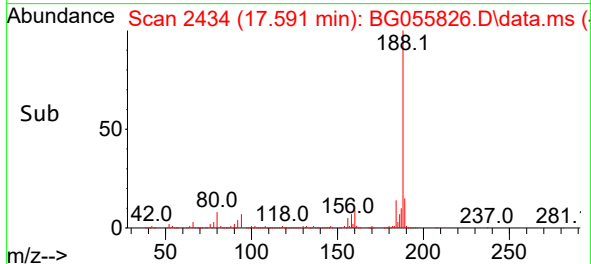
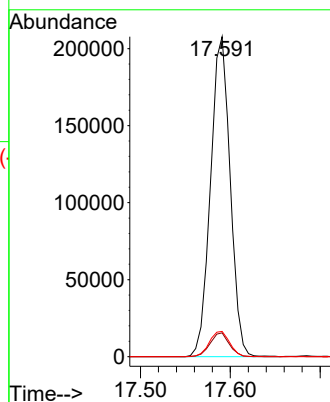
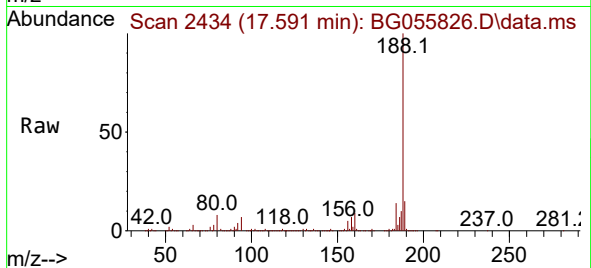
Tgt Ion:188 Resp: 315273

Ion Ratio Lower Upper

188 100

94 7.5 5.4 8.2

80 7.9 6.6 10.0



#71

Phenanthrene

Concen: 26.325 ng

RT: 17.632 min Scan# 2441

Delta R.T. -0.000 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

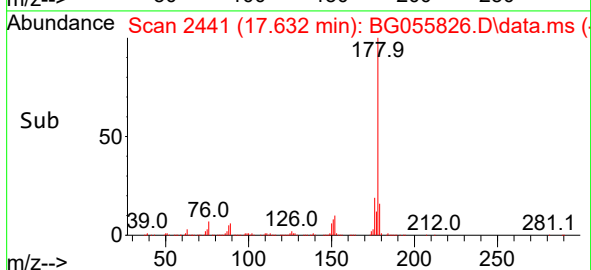
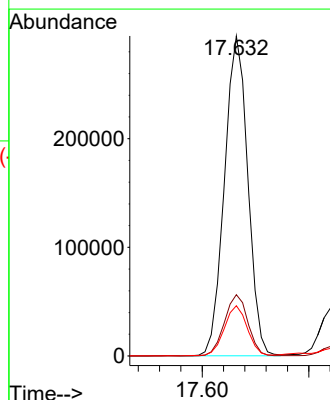
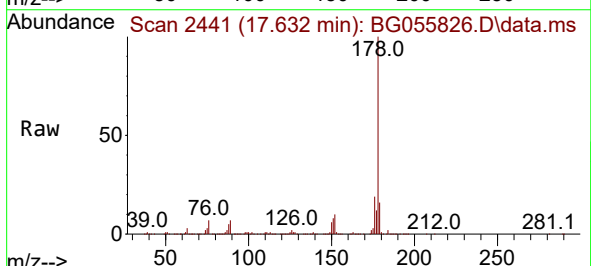
Tgt Ion:178 Resp: 447888

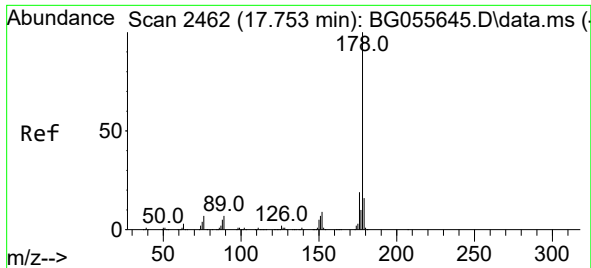
Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

179 15.7 12.7 19.1

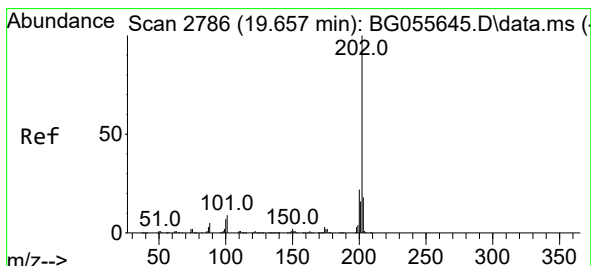
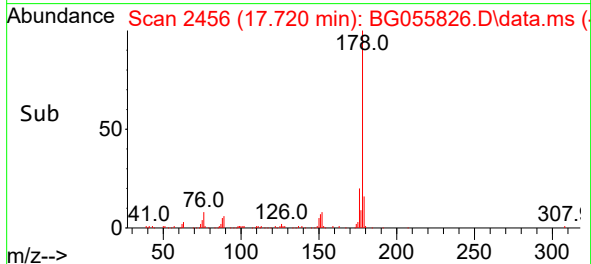
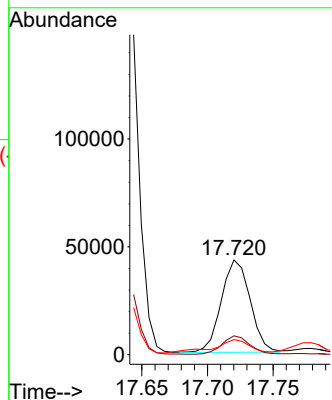
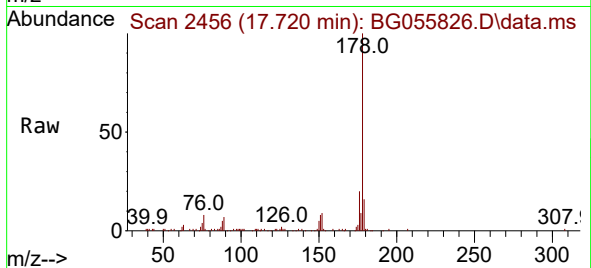




#72
 Anthracene
 Concen: 3.958 ng
 RT: 17.720 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

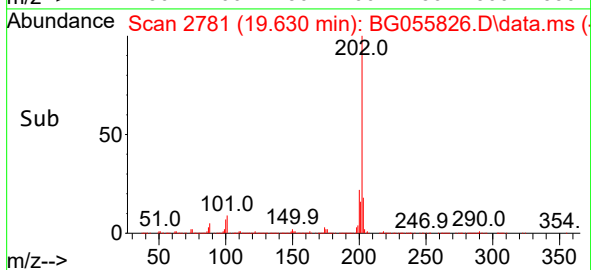
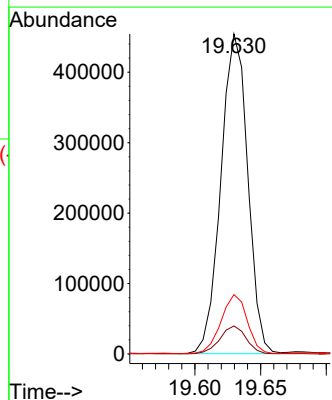
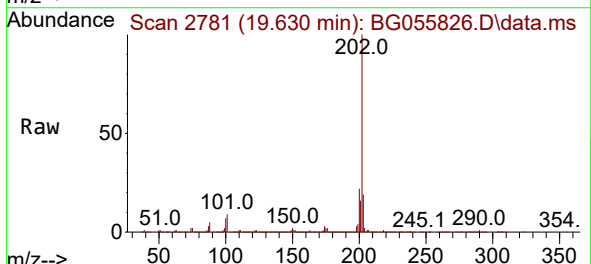
Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL

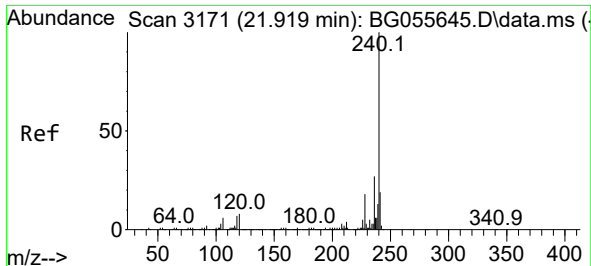
Tgt Ion:178 Resp: 65429
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.5 23.3
 179 15.9 12.5 18.7



#75
 Fluoranthene
 Concen: 31.172 ng
 RT: 19.630 min Scan# 2781
 Delta R.T. -0.000 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

Tgt Ion:202 Resp: 645205
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 28.8
 203 18.6 0.0 38.1

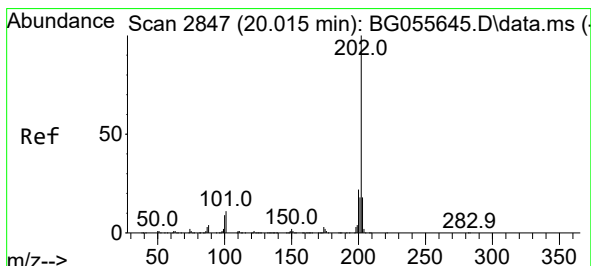
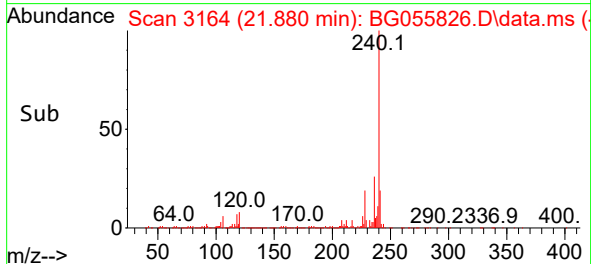
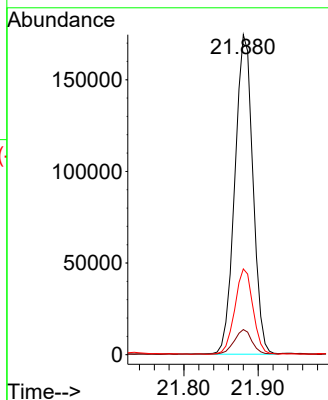
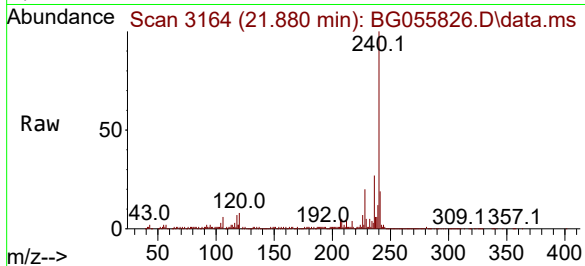




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.880 min Scan# 3171
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

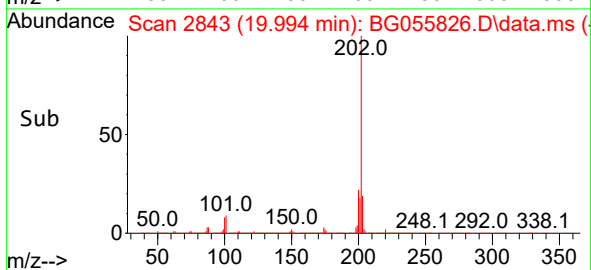
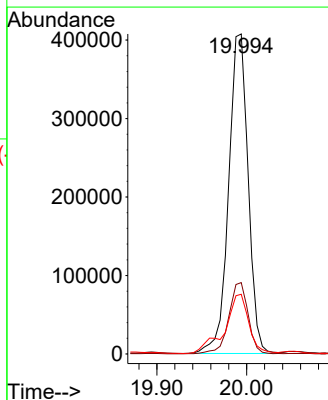
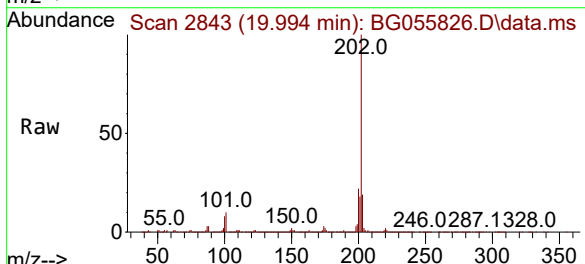
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

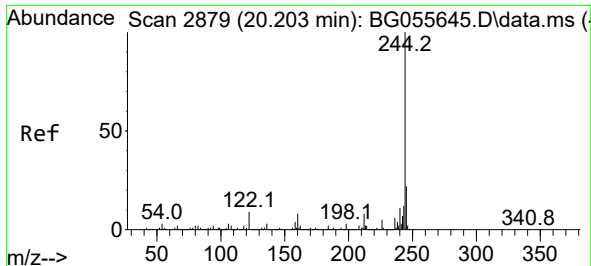
Tgt Ion:240 Resp: 294638
Ion Ratio Lower Upper
240 100
120 7.8 6.3 9.5
236 26.8 21.9 32.9



#78
Pyrene
Concen: 30.821 ng
RT: 19.994 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:202 Resp: 614680
Ion Ratio Lower Upper
202 100
200 22.3 17.8 26.6
203 18.6 14.4 21.6

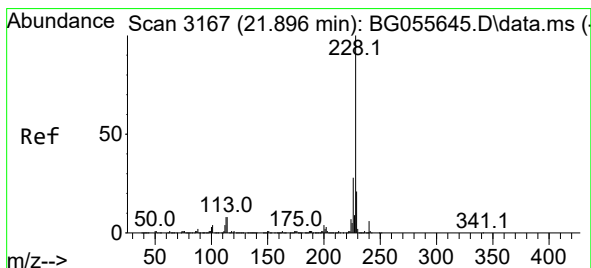
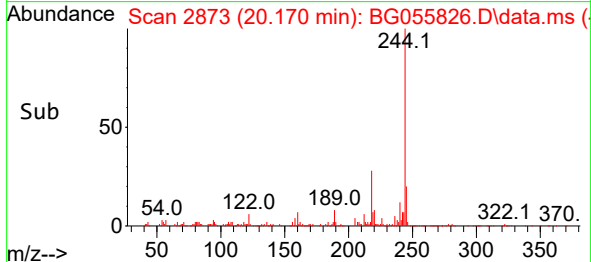
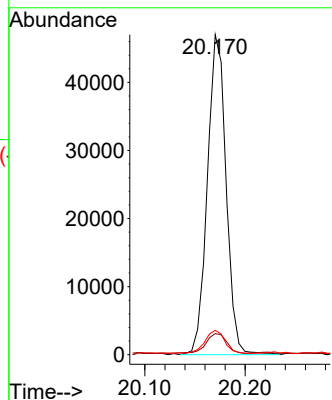
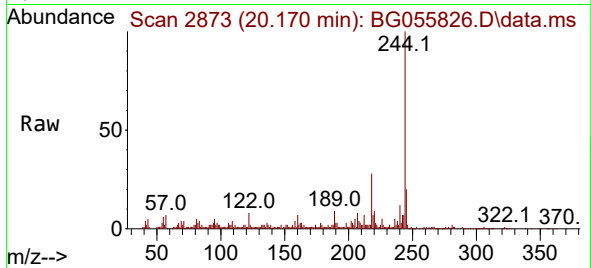




#79
 Terphenyl-d14
 Concen: 4.145 ng
 RT: 20.170 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

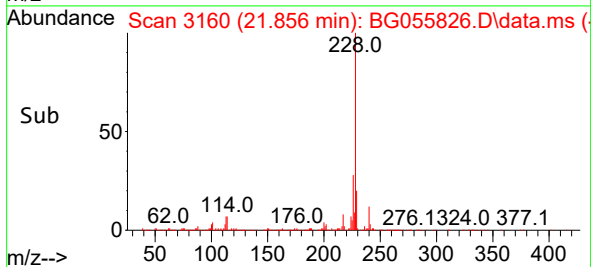
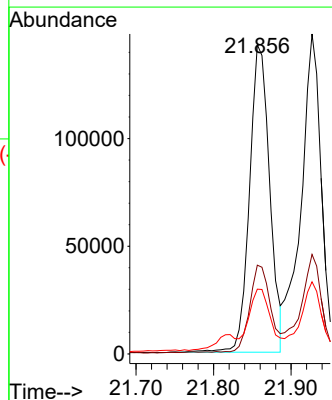
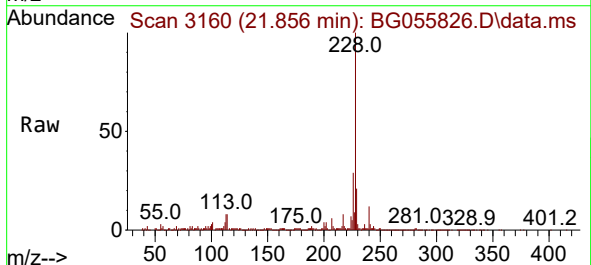
Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL

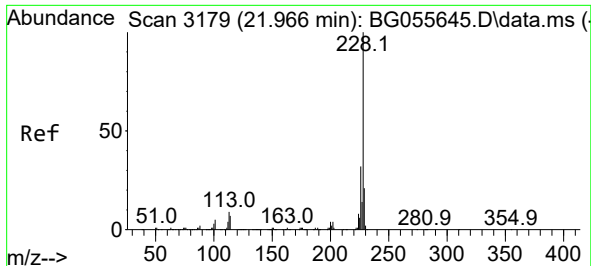
Tgt Ion:244 Resp: 61062
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.3 9.5
 122 7.6 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 12.695 ng
 RT: 21.856 min Scan# 3160
 Delta R.T. -0.006 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

Tgt Ion:228 Resp: 257633
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.7 34.1
 229 20.9 16.5 24.7

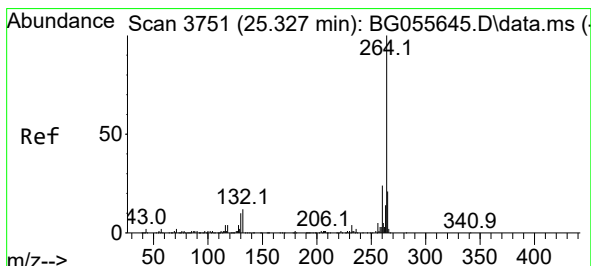
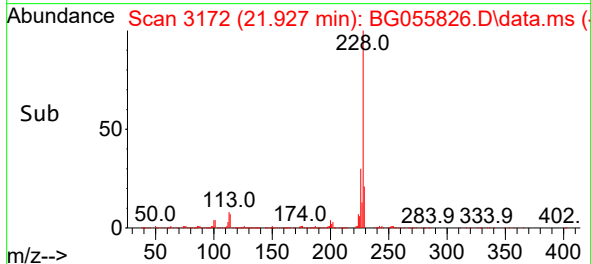
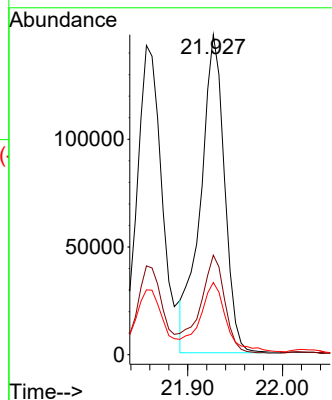
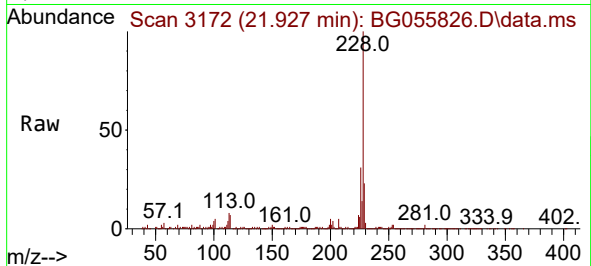




#83
Chrysene
Concen: 13.428 ng
RT: 21.927 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

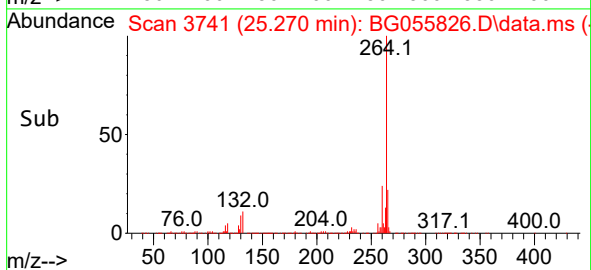
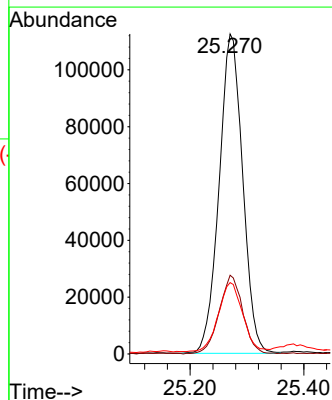
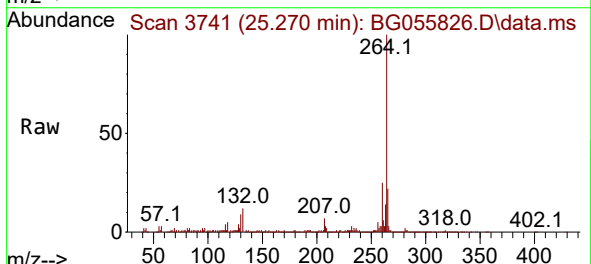
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

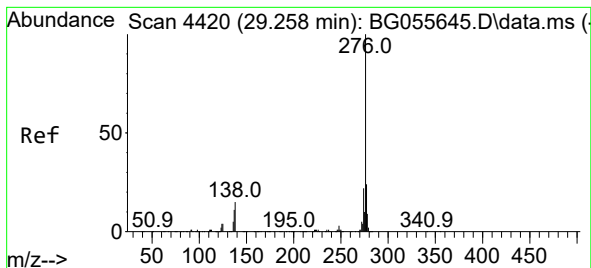
Tgt Ion:228 Resp: 259416
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.2
229 22.5 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.270 min Scan# 3741
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:264 Resp: 323211
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.208 ng

RT: 29.171 min Scan# 4420

Delta R.T. -0.018 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

LOCATION-2DL

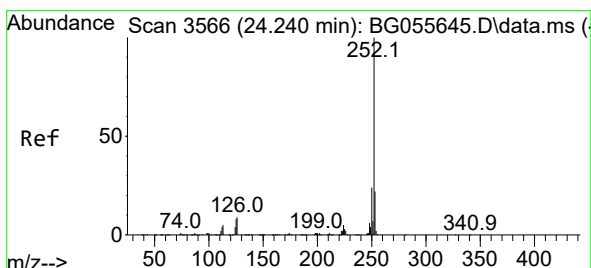
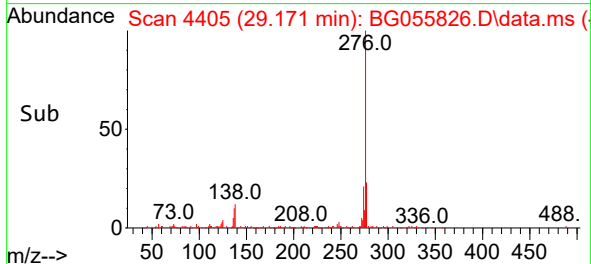
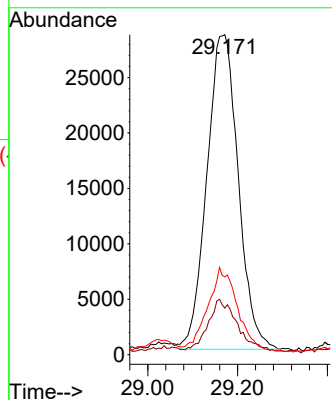
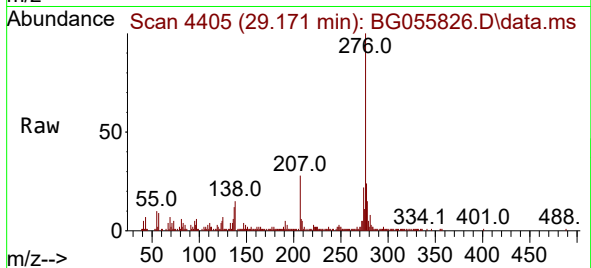
Tgt Ion:276 Resp: 137909

Ion Ratio Lower Upper

276 100

138 15.7 10.4 15.6#

277 25.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 13.822 ng

RT: 24.189 min Scan# 3557

Delta R.T. -0.000 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

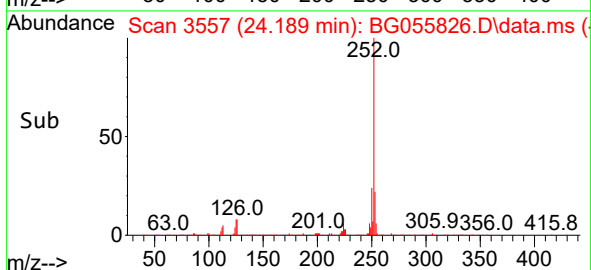
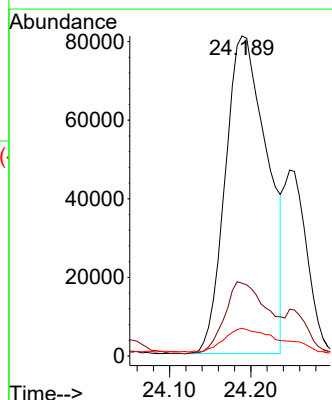
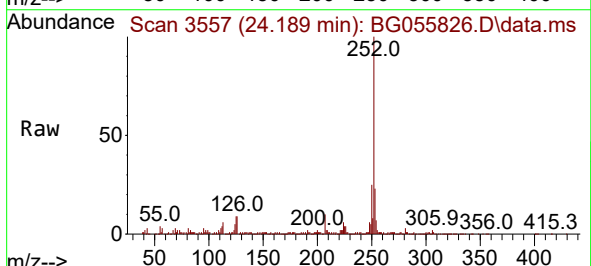
Tgt Ion:252 Resp: 290952

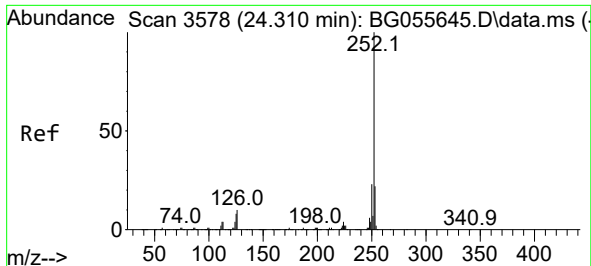
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 8.6 6.2 9.2

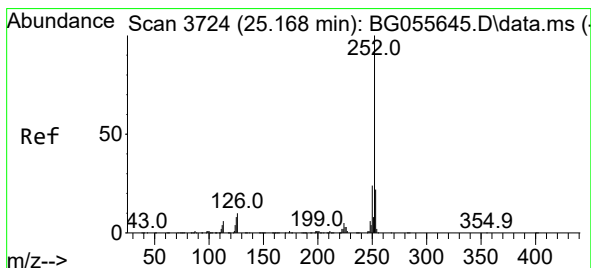
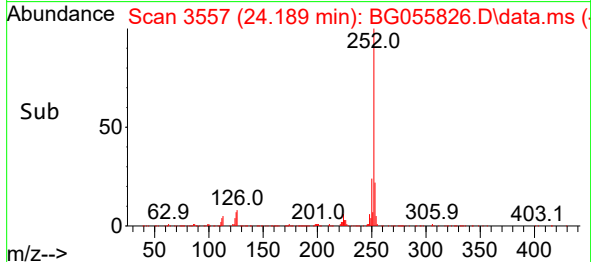
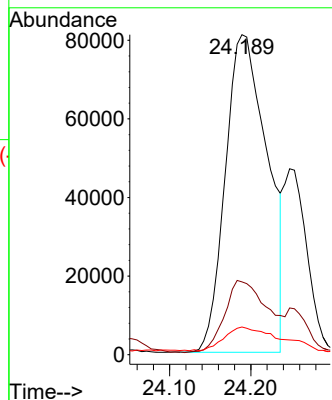
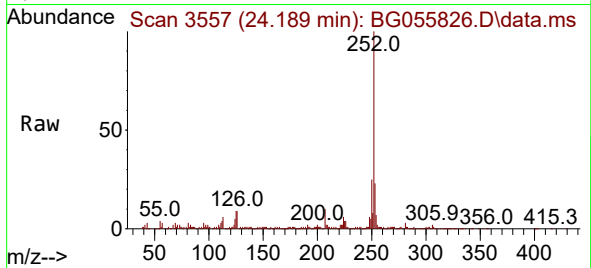




#89
Benzo(k)fluoranthene
Concen: 13.867 ng
RT: 24.189 min Scan# 31
Delta R.T. -0.077 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

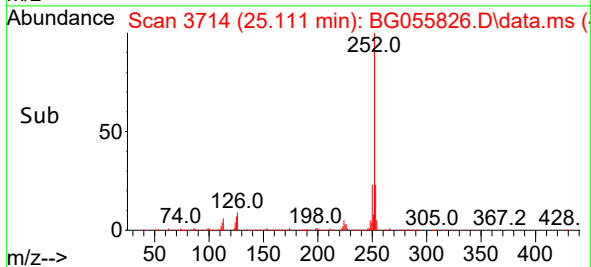
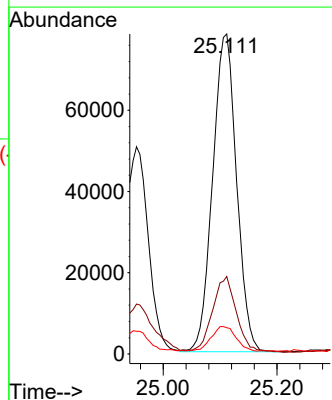
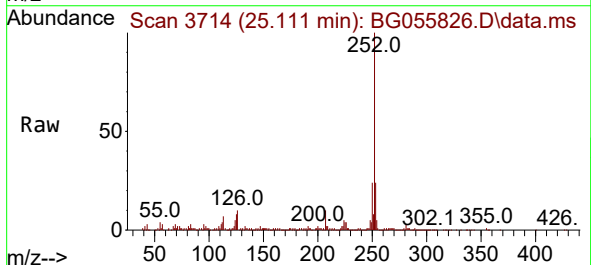
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

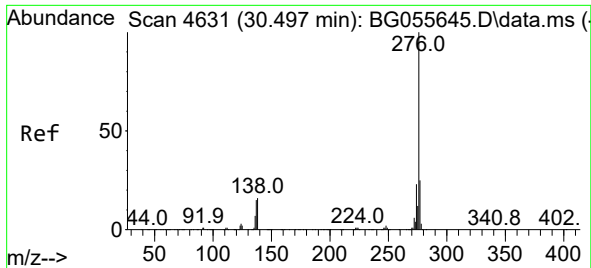
Tgt Ion:252 Resp: 290952
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 8.6 6.1 9.1



#90
Benzo(a)pyrene
Concen: 12.645 ng
RT: 25.111 min Scan# 3714
Delta R.T. -0.006 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:252 Resp: 228408
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 8.2 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.255 ng
 RT: 30.394 min Scan# 4
 Delta R.T. -0.024 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL

Tgt Ion:276 Resp: 136402
 Ion Ratio Lower Upper
 276 100
 277 22.9 19.8 29.6
 138 14.7 13.1 19.7

