

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054586.D
 Acq On : 10 Aug 2022 13:22
 Operator : CG/JU
 Sample : N4063-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5DDL

Quant Time: Aug 10 14:25:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

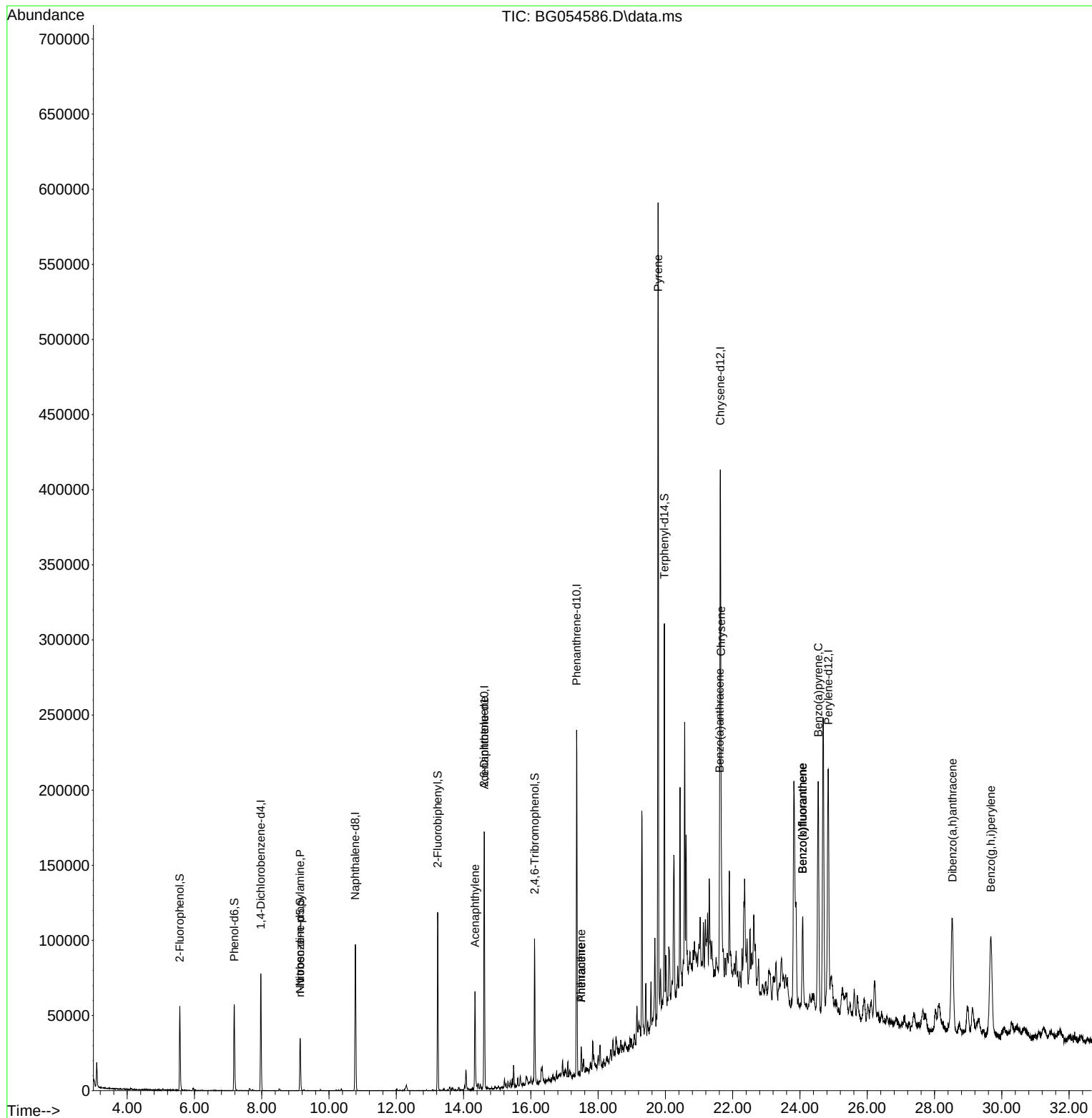
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	24508	20.000	ng	0.00
21) Naphthalene-d8	10.779	136	92037	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	68264	20.000	ng	0.00
64) Phenanthrene-d10	17.360	188	162454	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	189054	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	199806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	27065	23.057	ng	0.00
7) Phenol-d6	7.183	99	35631	22.153	ng	0.00
23) Nitrobenzene-d5	9.140	82	24055	14.233	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	26907	18.773	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	69887	14.442	ng	0.00
79) Terphenyl-d14	19.968	244	140916	14.787	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.134	70	3440	3.203	ng	# 79
49) Acenaphthylene	14.340	152	61087	10.519	ng	100
51) 2,6-Dinitrotoluene	14.610	165	9187	7.855	ng	# 16
71) Phenanthrene	17.495	178	17762	2.196	ng	98
72) Anthracene	17.495	178	17762	2.237	ng	98
78) Pyrene	19.780	202	382125	35.226	ng	97
81) Benzo(a)anthracene	21.608	228	41242	3.437	ng	# 82
83) Chrysene	21.649	228	88815	7.833	ng	# 63
88) Benzo(b)fluoranthene	24.075	252	74316	6.289	ng	99
89) Benzo(k)fluoranthene	24.075	252	74316	6.319	ng	99
90) Benzo(a)pyrene	24.540	252	185998	18.432	ng	98
91) Dibenzo(a,h)anthracene	28.535	278	38391	3.072	ng	95
92) Benzo(g,h,i)perylene	29.675	276	157000	12.727	ng	# 92

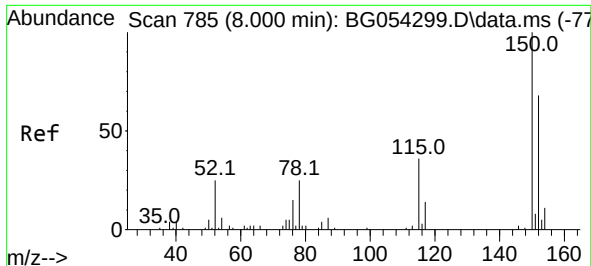
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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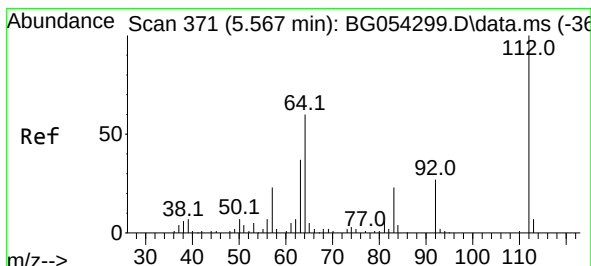
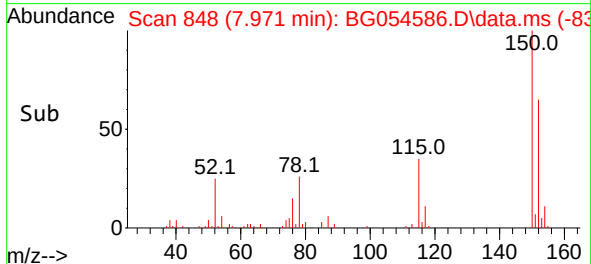
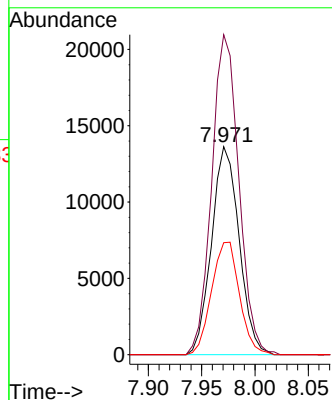
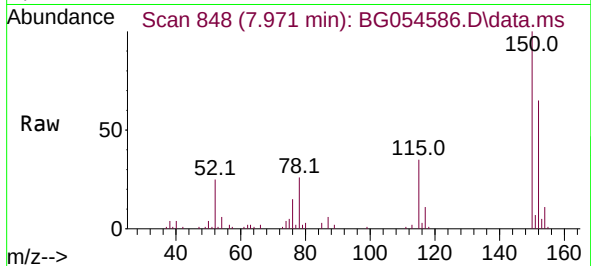




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.971 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

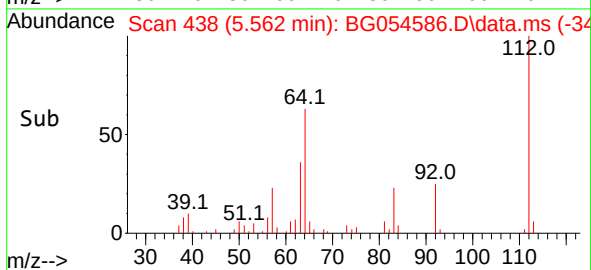
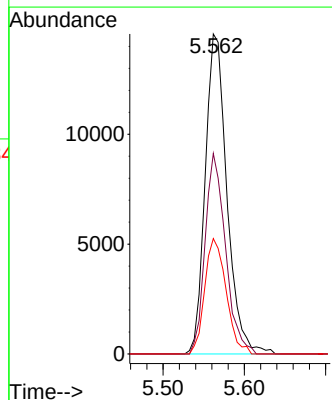
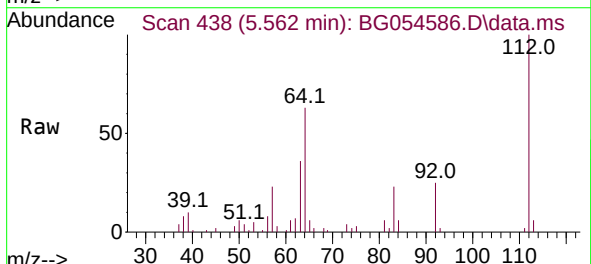
Instrument :
BNA_G
ClientSampleId :
P-5DDL

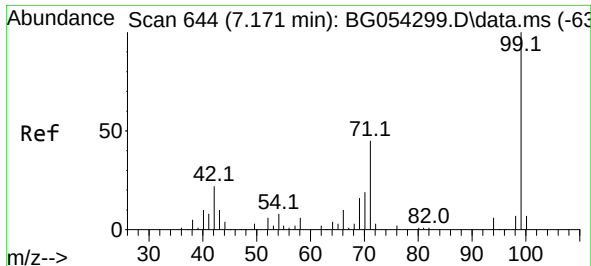
Tgt Ion:152 Resp: 24508
Ion Ratio Lower Upper
152 100
150 153.8 131.6 197.4
115 53.9 50.9 76.3



#5
2-Fluorophenol
Concen: 23.057 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:112 Resp: 27065
Ion Ratio Lower Upper
112 100
64 62.7 55.1 82.7
63 36.0 30.4 45.6

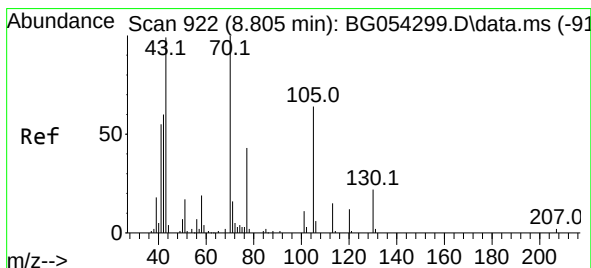
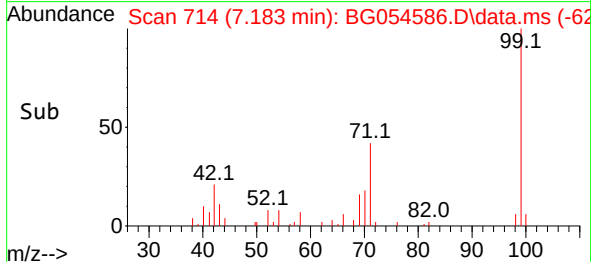
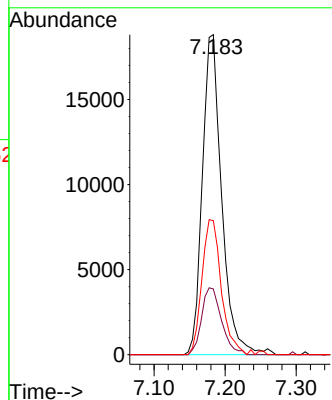
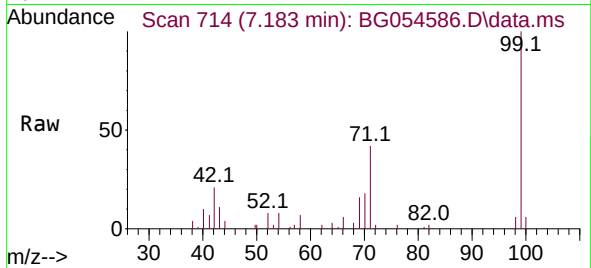




#7
Phenol-d6
Concen: 22.153 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

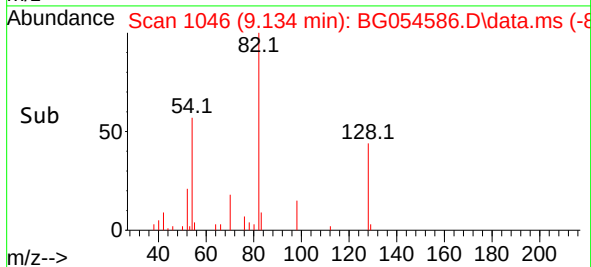
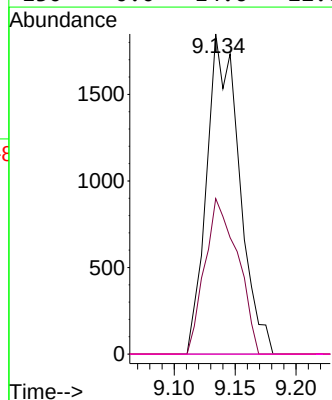
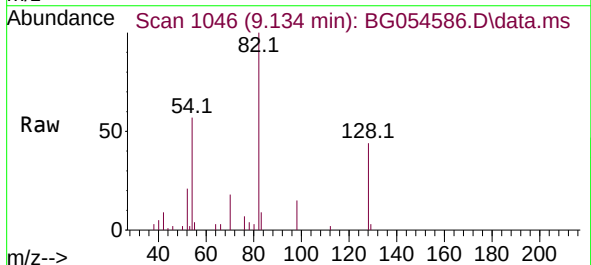
Instrument :
BNA_G
ClientSampleId :
P-5DDL

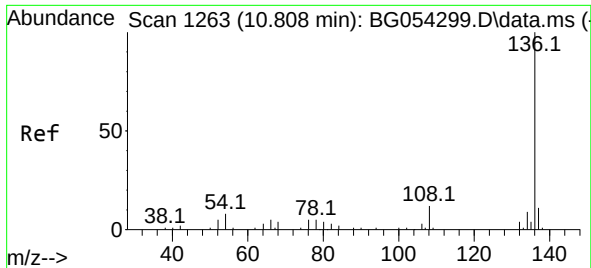
Tgt Ion: 99 Resp: 35631
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 41.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 3.203 ng
RT: 9.134 min Scan# 1046
Delta R.T. 0.351 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion: 70 Resp: 3440
Ion Ratio Lower Upper
70 100
42 48.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

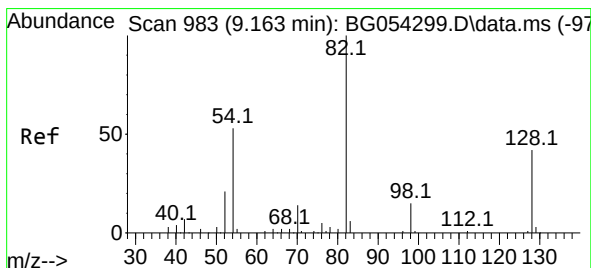
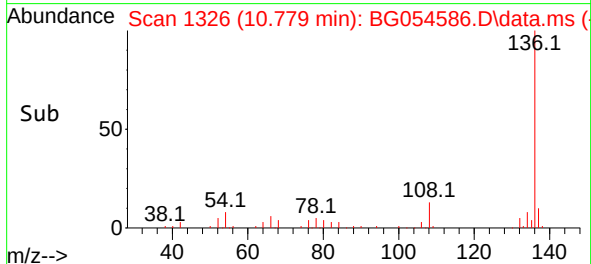
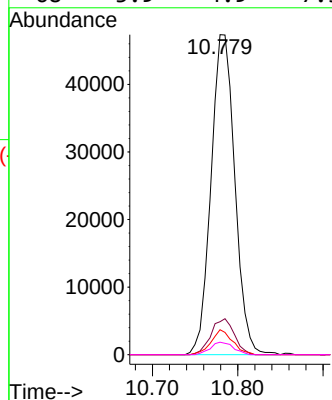
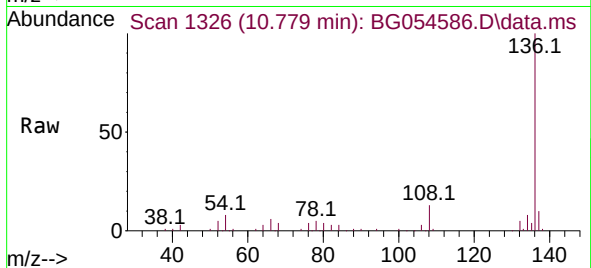




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.779 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

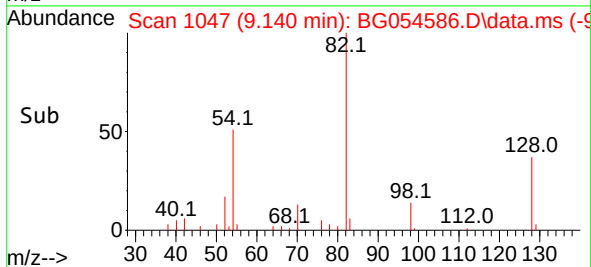
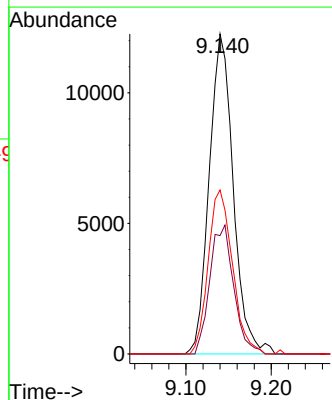
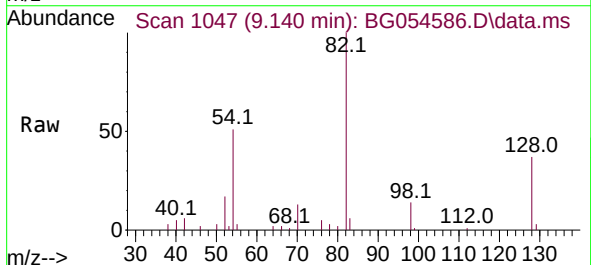
Instrument :
BNA_G
ClientSampleId :
P-5DDL

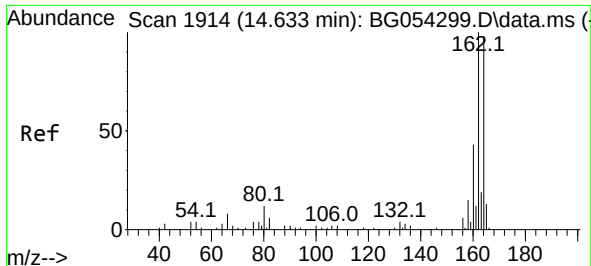
Tgt Ion:	136	Resp:	92037
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	7.8	7.4	11.2
68	3.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 14.233 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:	82	Resp:	24055
Ion	Ratio	Lower	Upper
82	100		
128	37.0	27.9	41.9
54	51.2	41.2	61.8

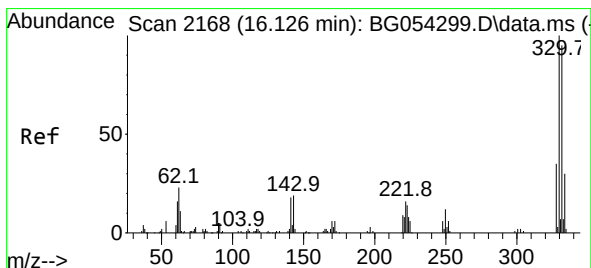
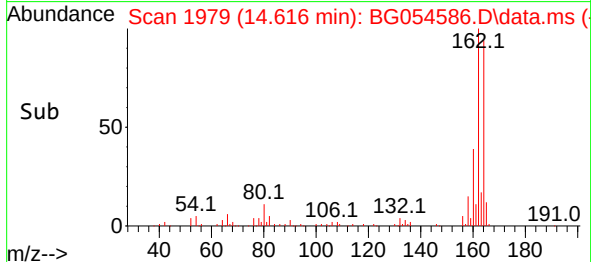
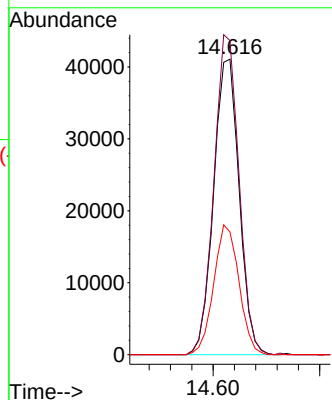
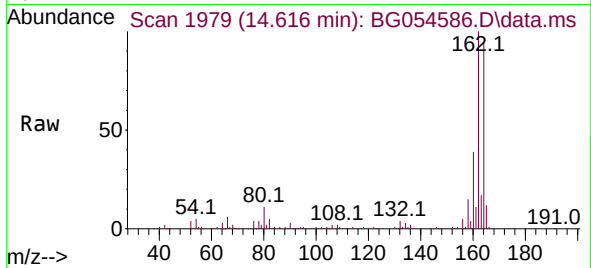




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1914
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

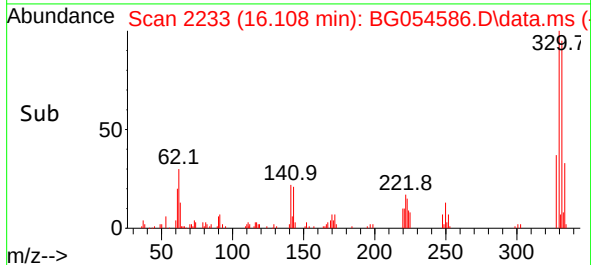
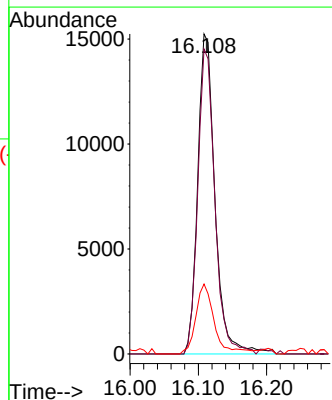
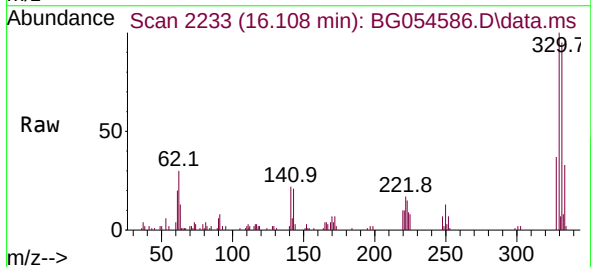
Instrument :
BNA_G
ClientSampleId :
P-5DDL

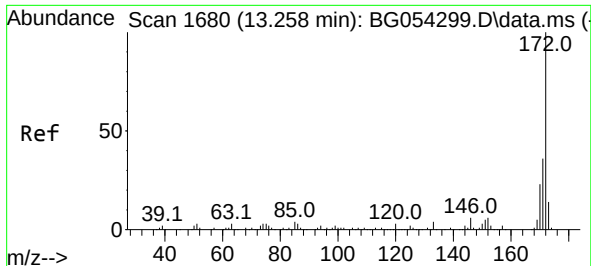
Tgt Ion:164 Resp: 68264
Ion Ratio Lower Upper
164 100
162 106.2 82.3 123.5
160 41.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 18.773 ng
RT: 16.108 min Scan# 2233
Delta R.T. -0.008 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:330 Resp: 26907
Ion Ratio Lower Upper
330 100
332 93.8 76.0 114.0
141 23.3 27.1 40.7#

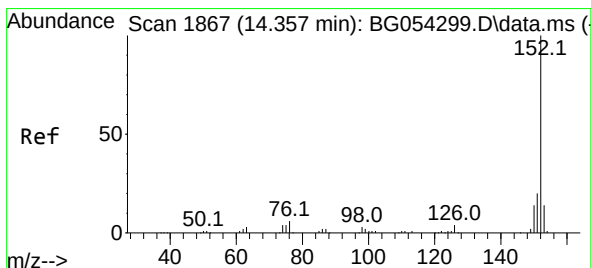
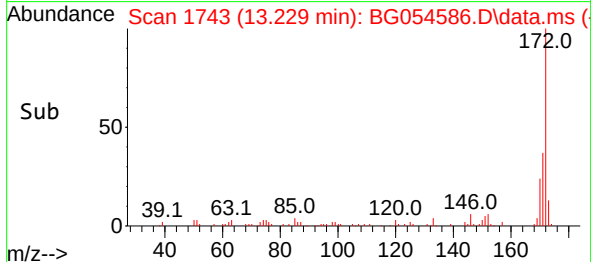
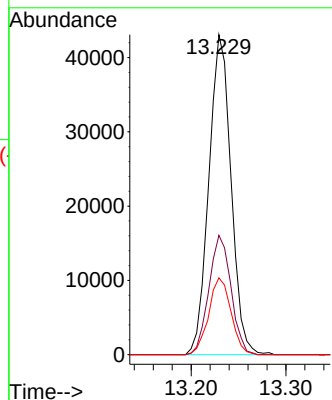
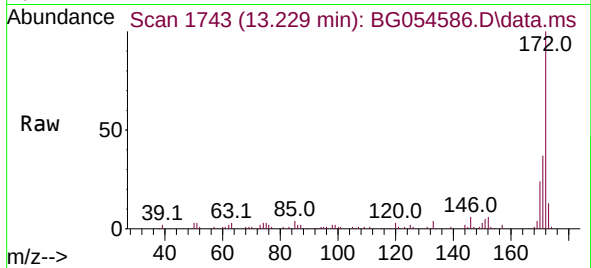




#45
2-Fluorobiphenyl
Concen: 14.442 ng
RT: 13.229 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

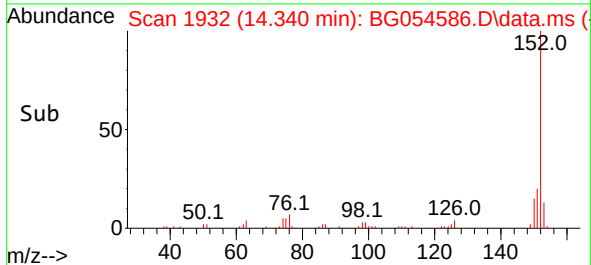
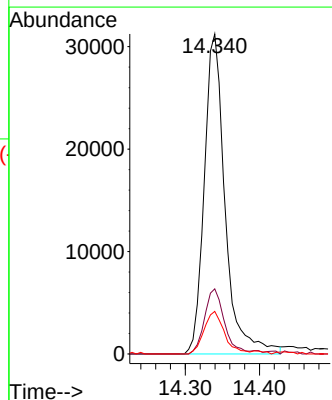
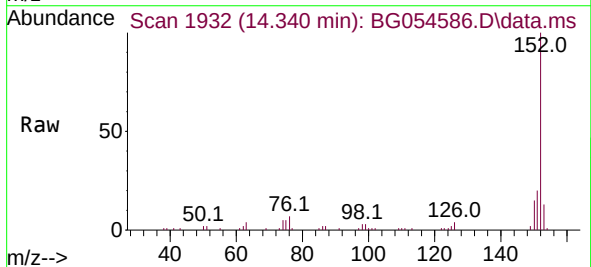
Instrument :
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ClientSampleId :
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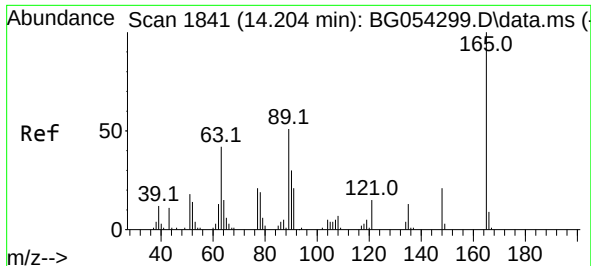
Tgt Ion:172 Resp: 69887
Ion Ratio Lower Upper
172 100
171 37.3 28.5 42.7
170 24.0 18.9 28.3



#49
Acenaphthylene
Concen: 10.519 ng
RT: 14.340 min Scan# 1932
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:152 Resp: 61087
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.3 10.8 16.2

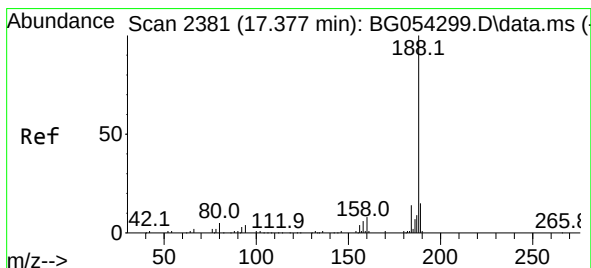
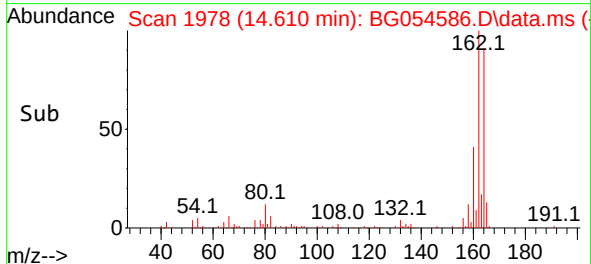
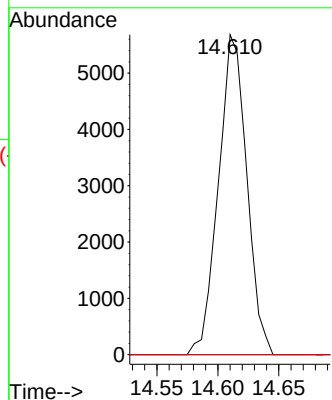
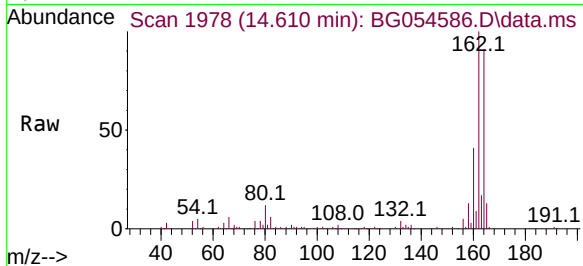




#51
2,6-Dinitrotoluene
Concen: 7.855 ng
RT: 14.610 min Scan# 14
Delta R.T. 0.416 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

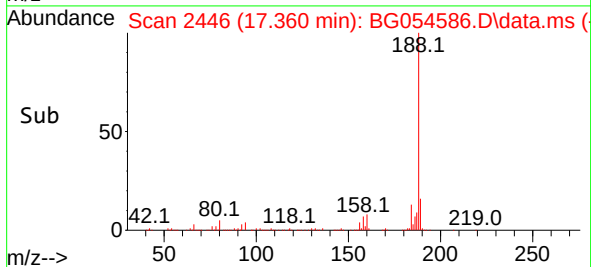
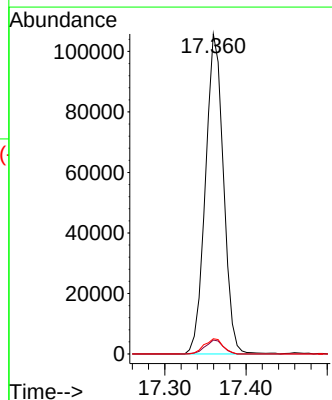
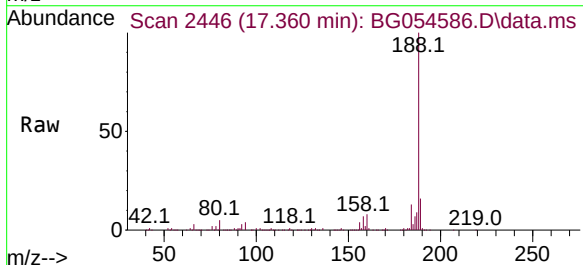
Instrument :
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P-5DDL

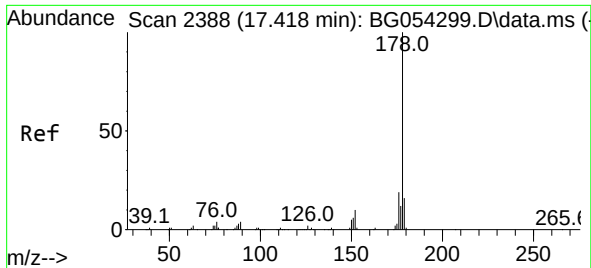
Tgt Ion:165 Resp: 9187
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:188 Resp: 162454
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.8 6.8 10.2#

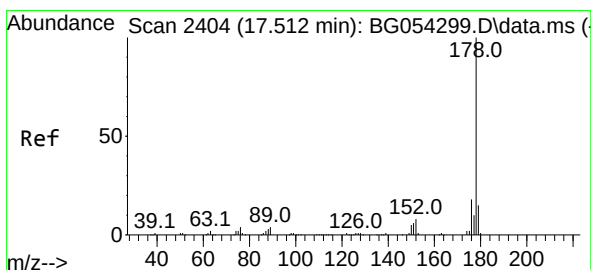
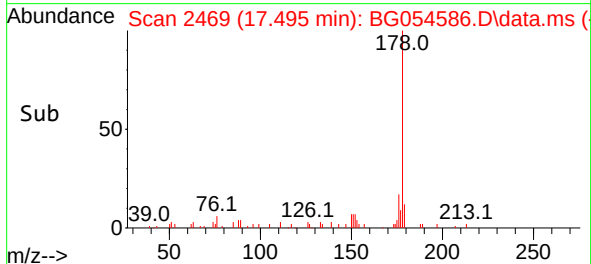
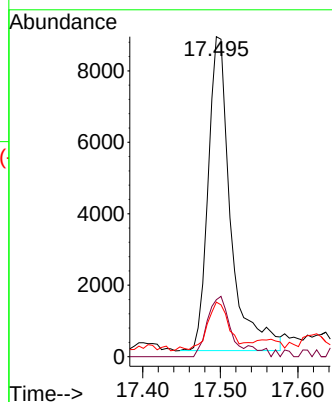
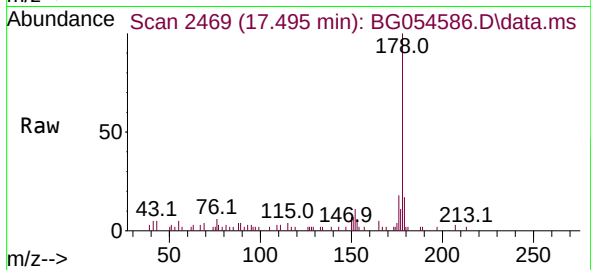




#71
Phenanthrene
Concen: 2.196 ng
RT: 17.495 min Scan# 2469
Delta R.T. 0.087 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

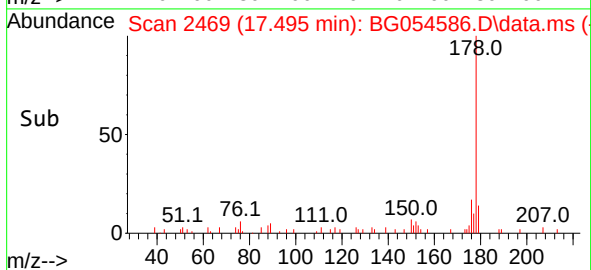
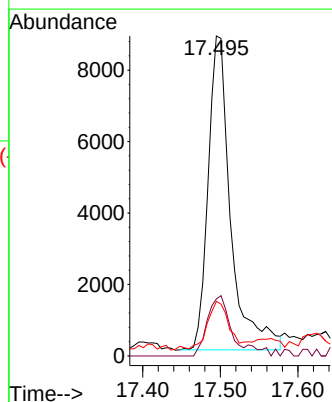
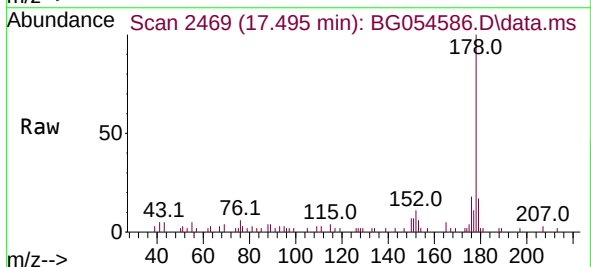
Instrument :
BNA_G
ClientSampleId :
P-5DDL

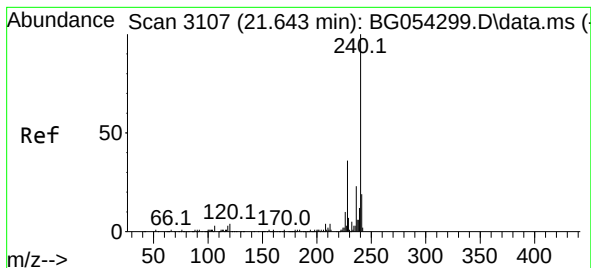
Tgt Ion:178 Resp: 17762
Ion Ratio Lower Upper
178 100
176 17.8 14.1 21.1
179 17.1 12.1 18.1



#72
Anthracene
Concen: 2.237 ng
RT: 17.495 min Scan# 2469
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:178 Resp: 17762
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 17.1 13.0 19.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.631 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG054586.D

Acq: 10 Aug 2022 13:22

Instrument :

BNA_G

ClientSampleId :

P-5DDL

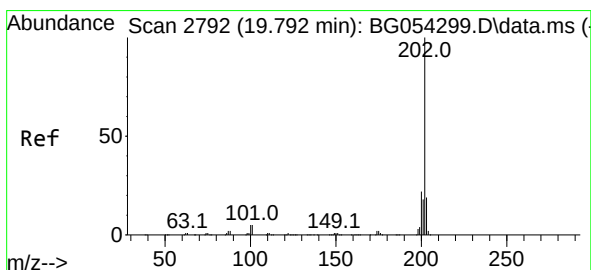
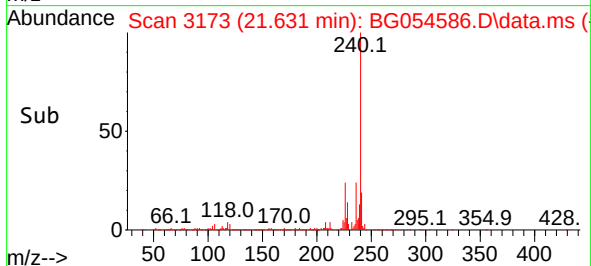
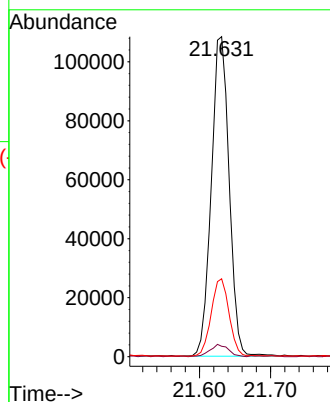
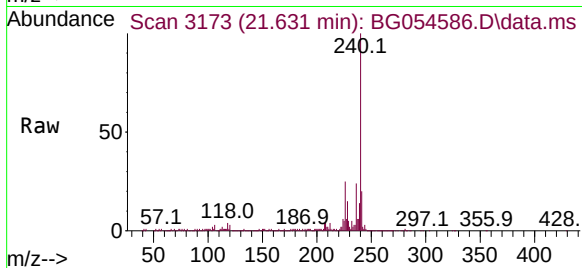
Tgt Ion:240 Resp: 189054

Ion Ratio Lower Upper

240 100

120 3.3 4.6 7.0#

236 24.4 20.2 30.4



#78

Pyrene

Concen: 35.226 ng

RT: 19.780 min Scan# 2858

Delta R.T. -0.002 min

Lab File: BG054586.D

Acq: 10 Aug 2022 13:22

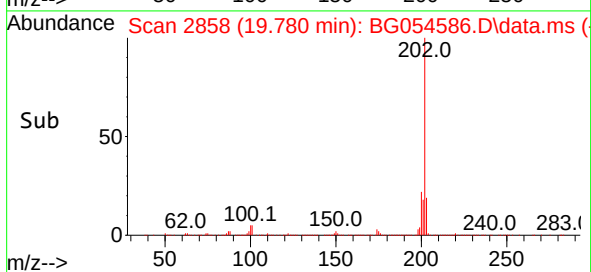
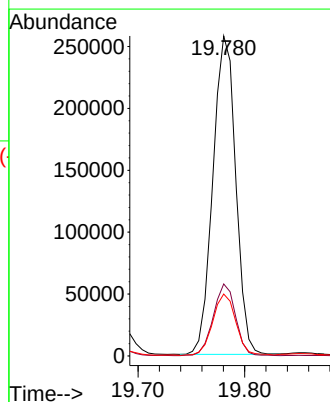
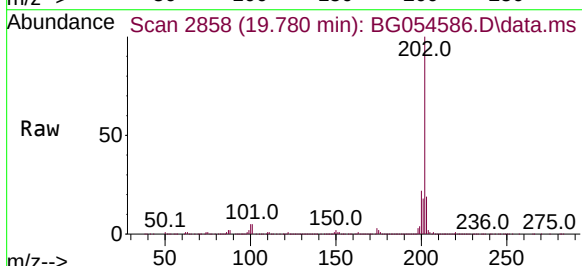
Tgt Ion:202 Resp: 382125

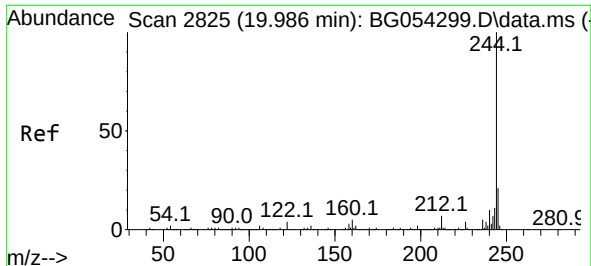
Ion Ratio Lower Upper

202 100

200 22.5 16.6 24.8

203 19.4 14.6 21.8

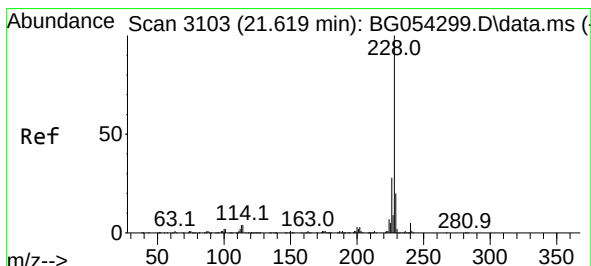
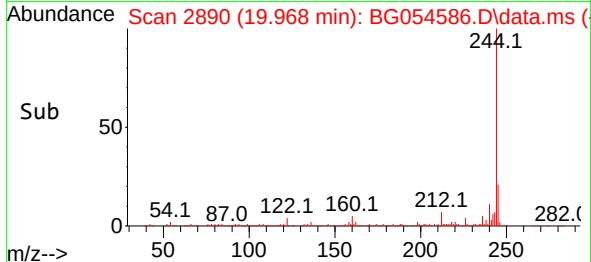
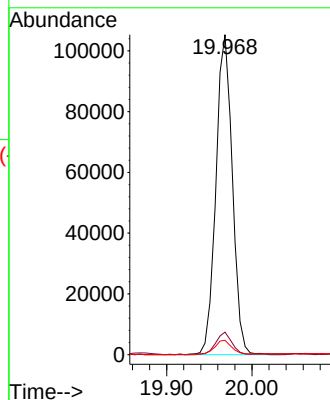
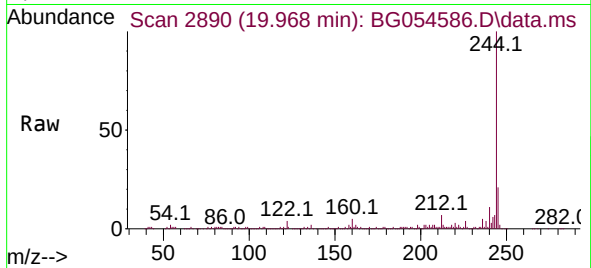




#79
 Terphenyl-d14
 Concen: 14.787 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054586.D
 Acq: 10 Aug 2022 13:22

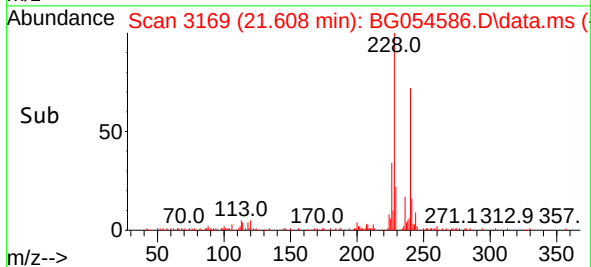
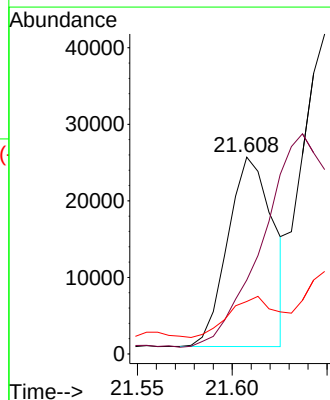
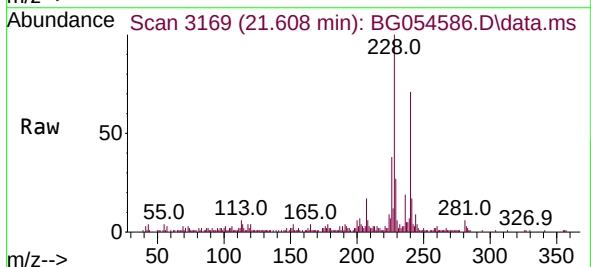
Instrument :
 BNA_G
 ClientSampleId :
 P-5DDL

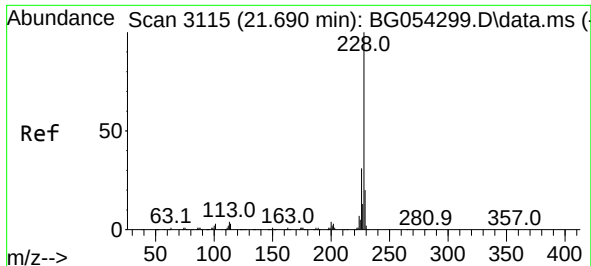
Tgt Ion:244 Resp: 140916
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 3.437 ng
 RT: 21.608 min Scan# 3169
 Delta R.T. -0.008 min
 Lab File: BG054586.D
 Acq: 10 Aug 2022 13:22

Tgt Ion:228 Resp: 41242
 Ion Ratio Lower Upper
 228 100
 226 37.6 21.6 32.4#
 229 26.7 16.2 24.2#

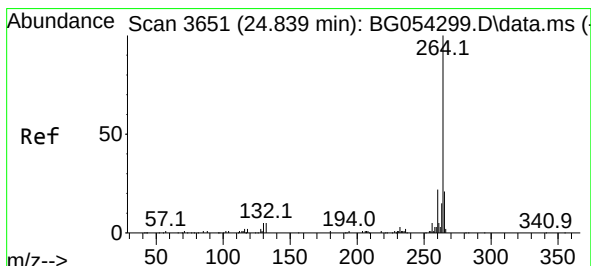
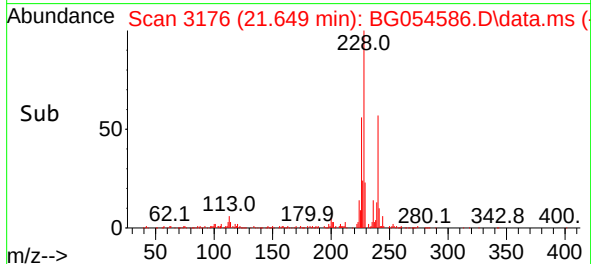
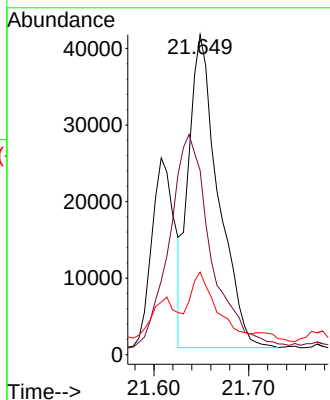
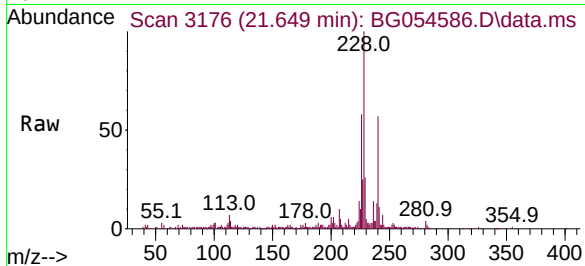




#83
Chrysene
Concen: 7.833 ng
RT: 21.649 min Scan# 3115
Delta R.T. -0.031 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

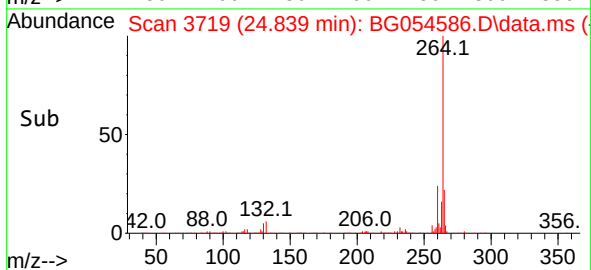
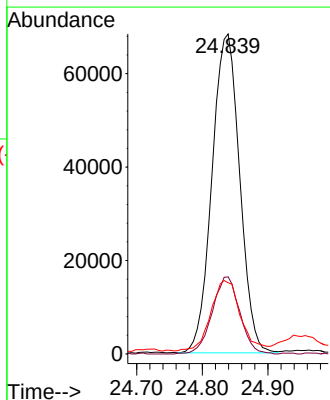
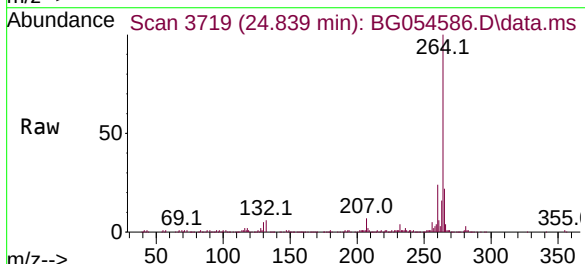
Instrument :
BNA_G
ClientSampleId :
P-5DDL

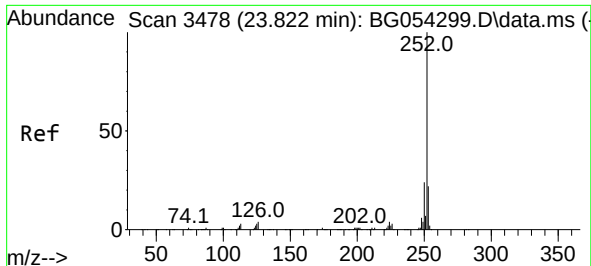
Tgt Ion:228 Resp: 88815
Ion Ratio Lower Upper
228 100
226 57.6 23.4 35.2#
229 25.8 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 3719
Delta R.T. 0.004 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:264 Resp: 199806
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 22.2 17.4 26.2

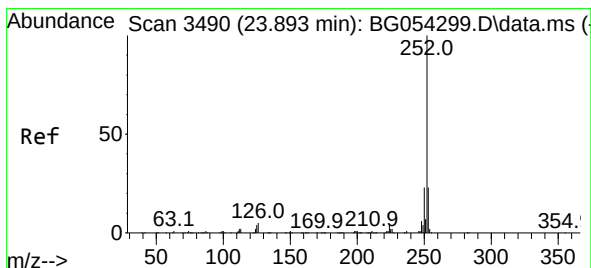
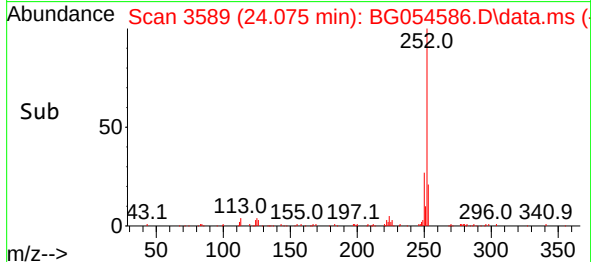
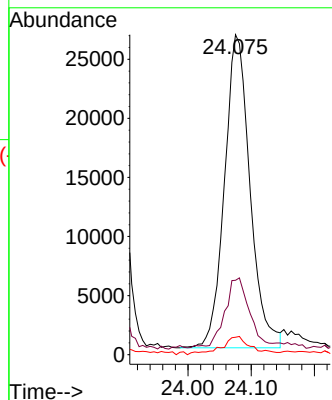
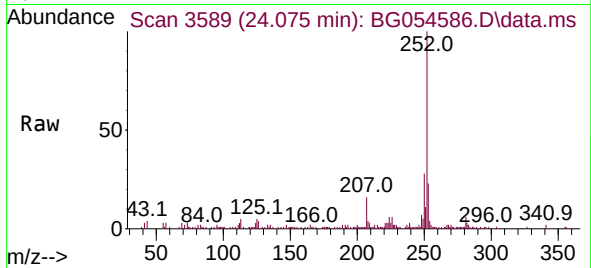




#88
Benzo(b)fluoranthene
Concen: 6.289 ng
RT: 24.075 min Scan# 3589
Delta R.T. 0.257 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

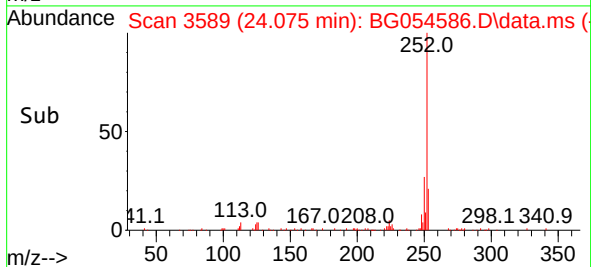
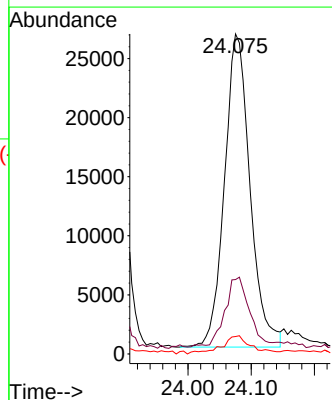
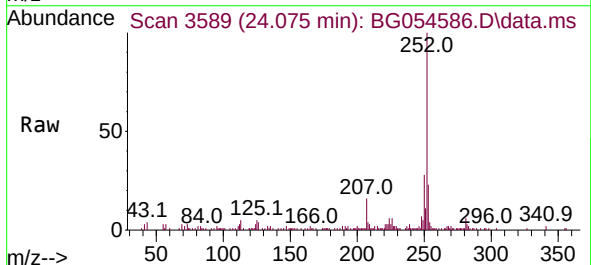
Instrument :
BNA_G
ClientSampleId :
P-5DDL

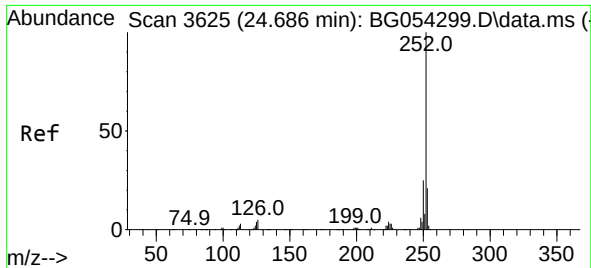
Tgt Ion:252 Resp: 74316
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 5.5 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 6.319 ng
RT: 24.075 min Scan# 3589
Delta R.T. 0.192 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:252 Resp: 74316
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 5.5 4.8 7.2

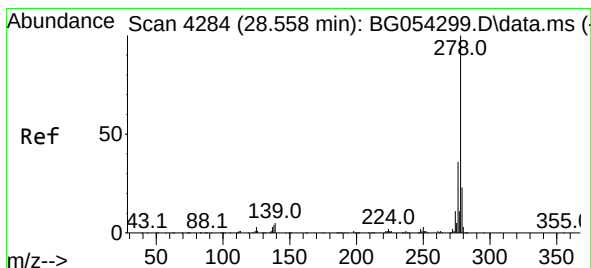
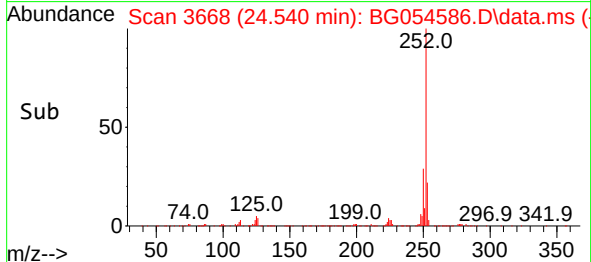
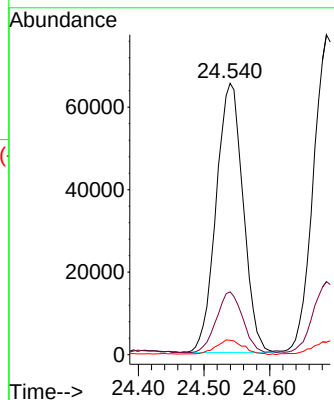
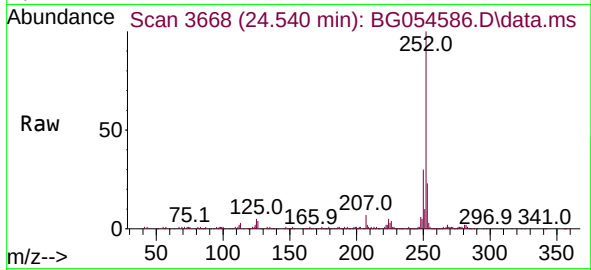




#90
Benzo(a)pyrene
Concen: 18.432 ng
RT: 24.540 min Scan# 3
Delta R.T. -0.148 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

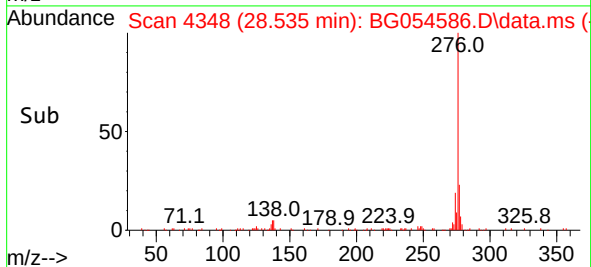
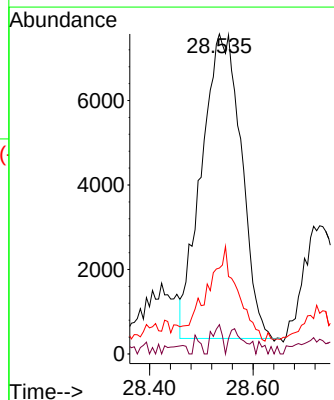
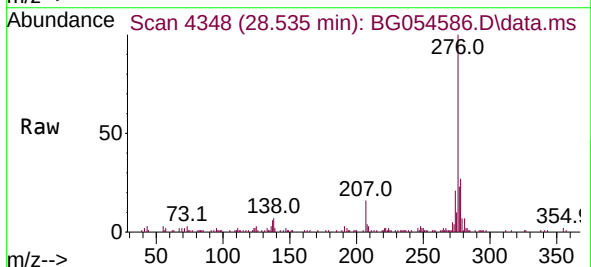
Instrument :
BNA_G
ClientSampleId :
P-5DDL

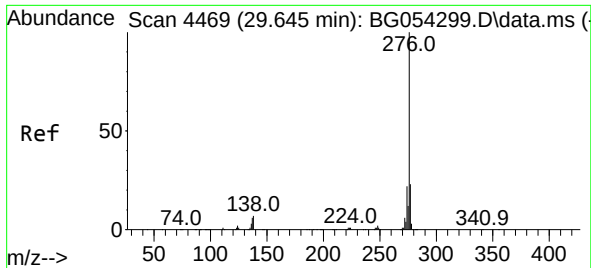
Tgt Ion:252 Resp: 185998
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 5.3 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 3.072 ng
RT: 28.535 min Scan# 4348
Delta R.T. -0.037 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

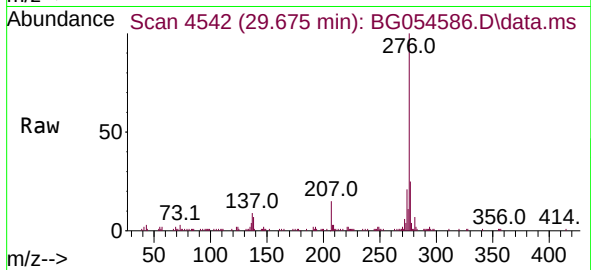
Tgt Ion:278 Resp: 38391
Ion Ratio Lower Upper
278 100
139 9.1 7.2 10.8
279 26.8 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 12.727 ng
 RT: 29.675 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: BG054586.D
 Acq: 10 Aug 2022 13:22

Instrument :
 BNA_G
 ClientSampleId :
 P-5DDL



Tgt Ion:276 Resp: 157000
 Ion Ratio Lower Upper
 276 100
 277 24.6 17.3 25.9
 138 7.5 9.6 14.4#

