

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054419.D
 Acq On : 27 Jul 2022 17:03
 Operator : CG/JU
 Sample : N3981-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4553-E

Quant Time: Jul 28 04:34:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

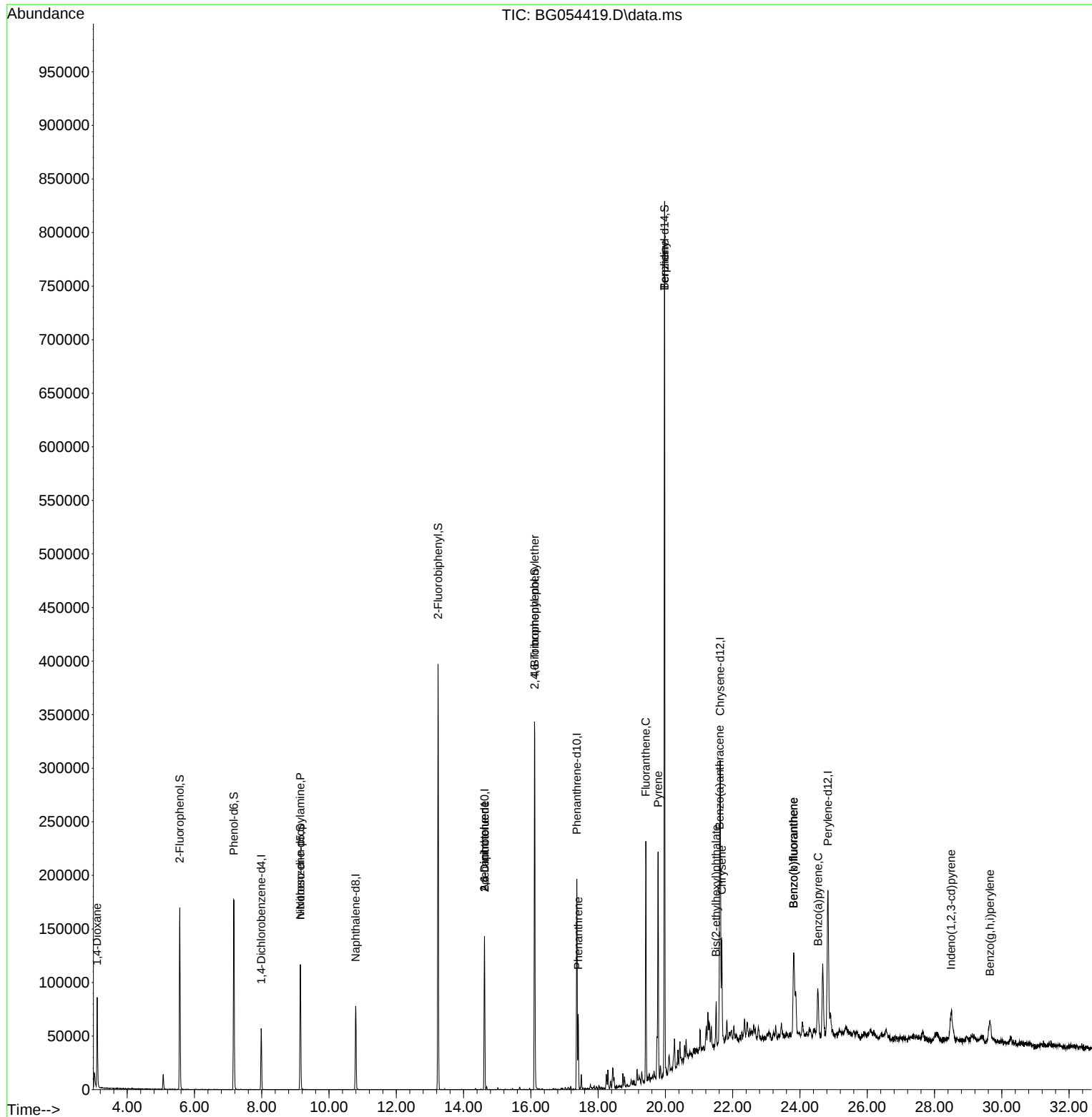
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	18175	20.000	ng	0.00
21) Naphthalene-d8	10.793	136	71420	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	58400	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	146084	20.000	ng	# 0.00
76) Chrysene-d12	21.627	240	159857	20.000	ng	# 0.00
86) Perylene-d12	24.829	264	171199	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	77056	88.519	ng	0.00
7) Phenol-d6	7.168	99	104822	87.879	ng	0.00
23) Nitrobenzene-d5	9.148	82	71880	54.808	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	95587	77.955	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	227905	55.052	ng	0.00
79) Terphenyl-d14	19.976	244	458089	56.848	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.102	88	780	2.252	ng	# 1
19) n-Nitroso-di-n-propyla...	9.148	70	9963	12.508	ng	# 82
51) 2,6-Dinitrotoluene	14.624	165	8033	8.029	ng	# 16
57) 2,4-Dinitrotoluene	14.624	165	8033	5.600	ng	# 21
67) 4-Bromophenyl-phenylether	16.110	248	5361	2.613	ng	# 1
71) Phenanthrene	17.409	178	52247	7.182	ng	99
75) Fluoranthene	19.418	202	155242	15.654	ng	94
77) Benzidine	19.976	184	5869	2.027	ng	# 89
78) Pyrene	19.782	202	152016	16.573	ng	98
81) Benzo(a)anthracene	21.610	228	84203	8.298	ng	96
83) Chrysene	21.674	228	75612	7.887	ng	94
84) Bis(2-ethylhexyl)phtha...	21.510	149	16650	4.117	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.496	276	56116	4.309	ng	# 96
88) Benzo(b)fluoranthene	23.813	252	113025	11.164	ng	# 98
89) Benzo(k)fluoranthene	23.813	252	113025	11.217	ng	# 97
90) Benzo(a)pyrene	24.536	252	56298	6.511	ng	99
92) Benzo(g,h,i)perylene	29.647	276	55116	5.214	ng	# 91

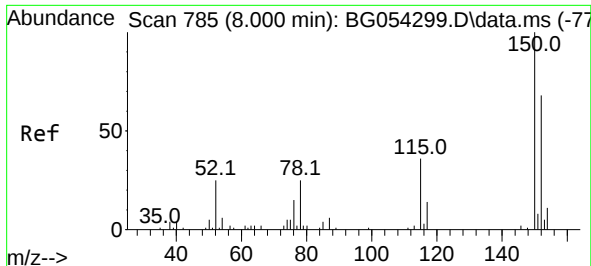
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
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Quant Time: Jul 28 04:34:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
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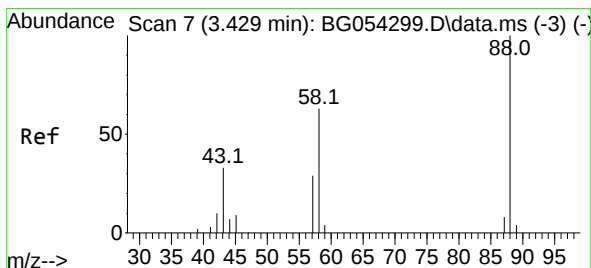
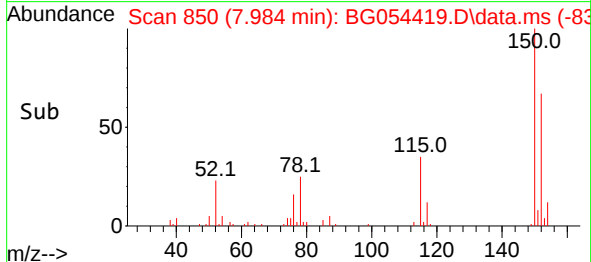
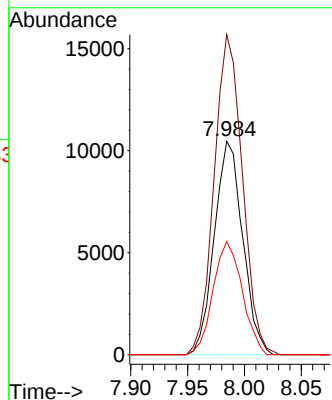
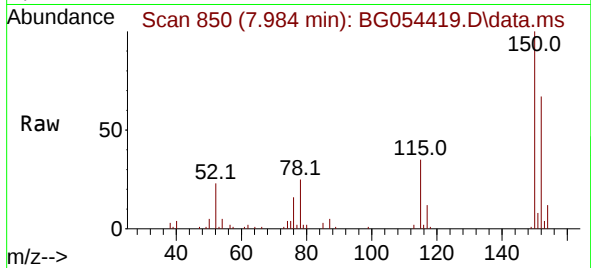




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.984 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

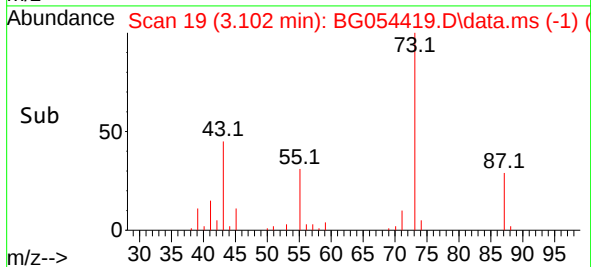
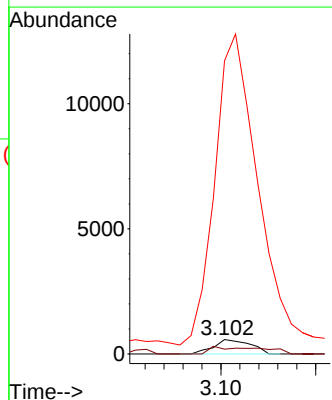
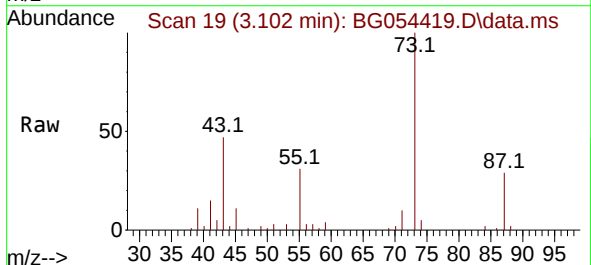
Instrument :
BNA_G
ClientSampleId :
4553-E

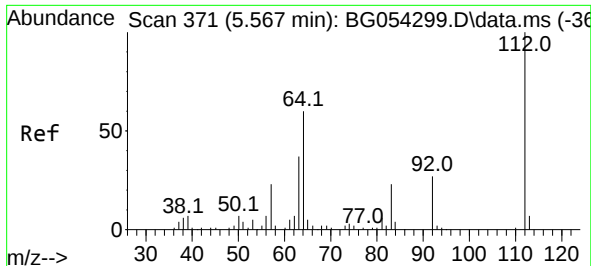
Tgt Ion:152 Resp: 18175
Ion Ratio Lower Upper
152 100
150 149.9 131.6 197.4
115 53.0 50.9 76.3



#2
1,4-Dioxane
Concen: 2.252 ng
RT: 3.102 min Scan# 19
Delta R.T. -0.315 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion: 88 Resp: 780
Ion Ratio Lower Upper
88 100
58 43.1 59.2 88.8#
43 2562.6 24.3 36.5#

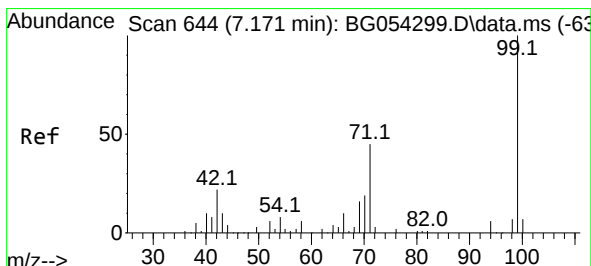
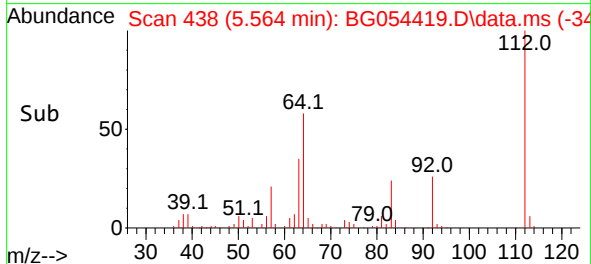
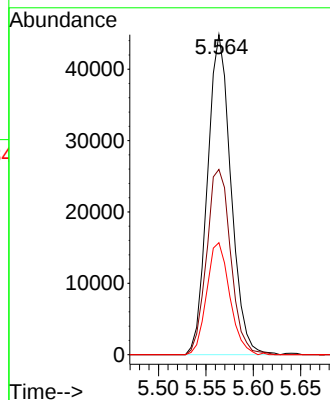
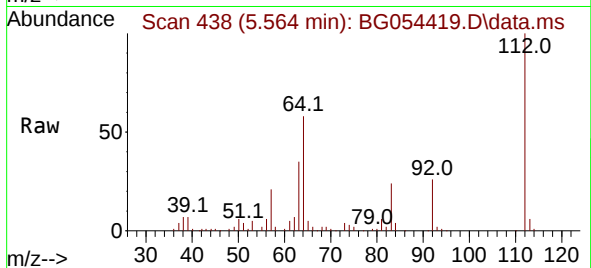




#5
2-Fluorophenol
Concen: 88.519 ng
RT: 5.564 min Scan# 41
Delta R.T. 0.002 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

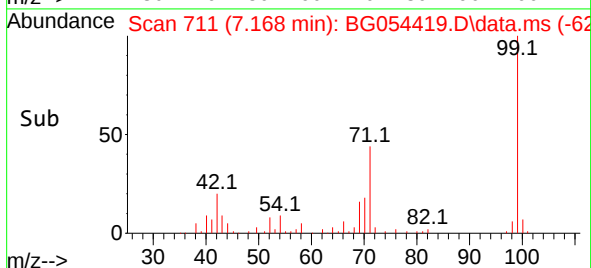
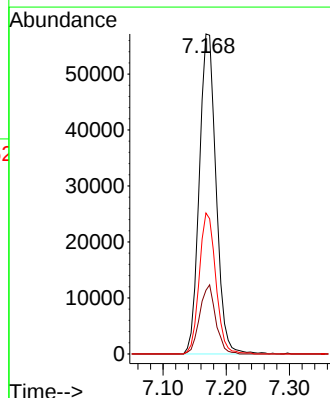
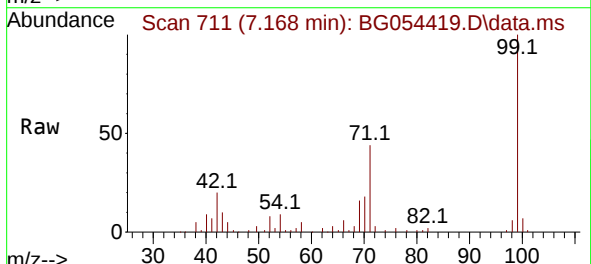
Instrument :
BNA_G
ClientSampleId :
4553-E

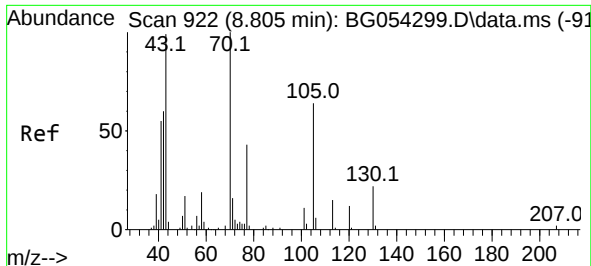
Tgt Ion:112 Resp: 77056
Ion Ratio Lower Upper
112 100
64 57.9 55.1 82.7
63 35.0 30.4 45.6



#7
Phenol-d6
Concen: 87.879 ng
RT: 7.168 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion: 99 Resp: 104822
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.6
71 44.0 33.8 50.8

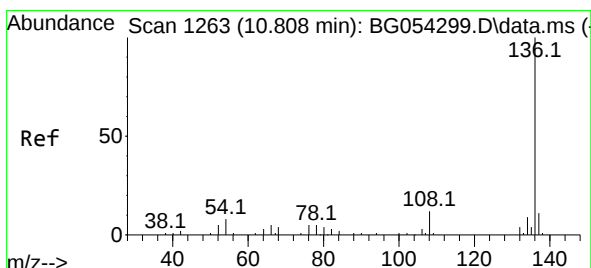
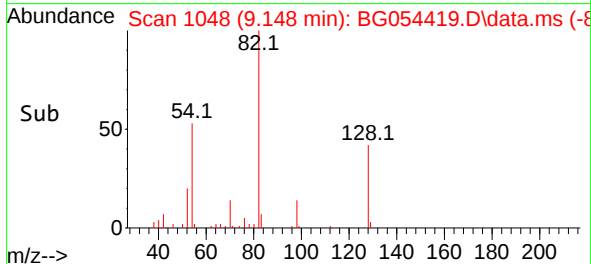
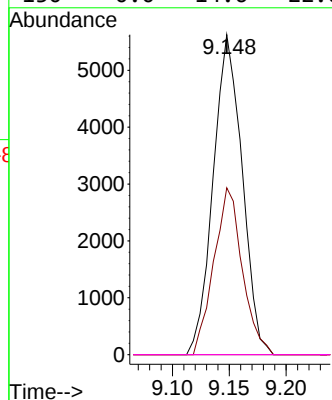
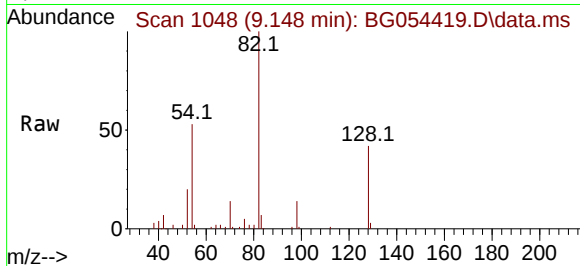




#19
n-Nitroso-di-n-propylamine
Concen: 12.508 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.354 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

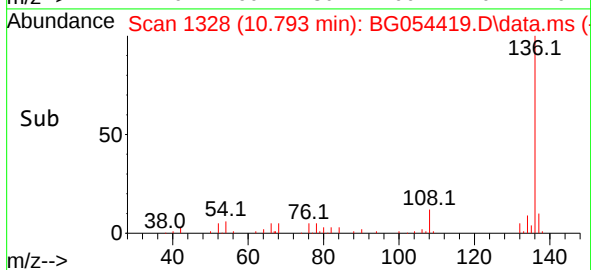
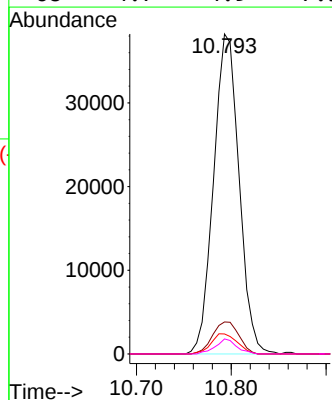
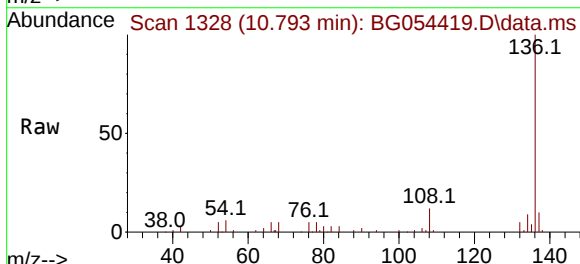
Instrument :
BNA_G
ClientSampleId :
4553-E

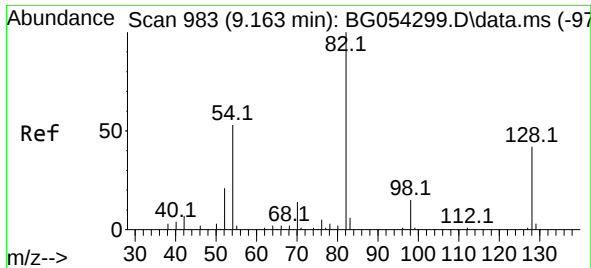
Tgt Ion: 70	Resp: 9963
Ion Ratio	Lower Upper
70 100	
42 52.1	47.3 70.9
101 0.0	7.0 10.4#
130 0.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.793 min Scan# 1328
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion: 136	Resp: 71420
Ion Ratio	Lower Upper
136 100	
137 10.0	8.5 12.7
54 6.3	7.4 11.2#
68 4.7	4.9 7.3#

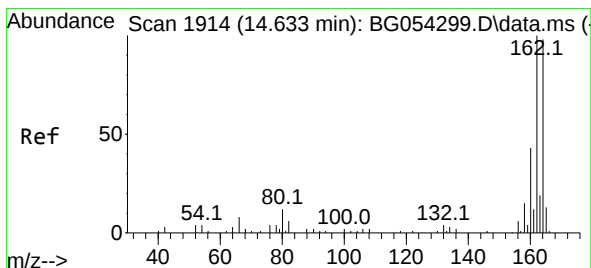
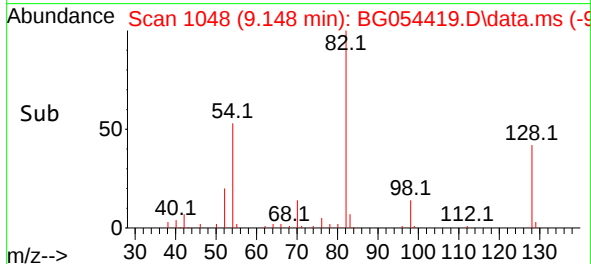
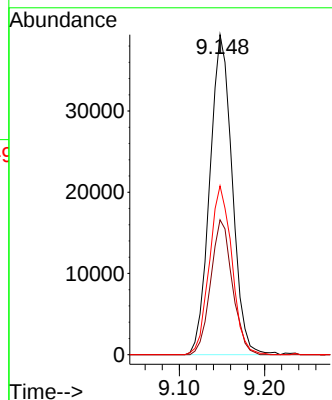
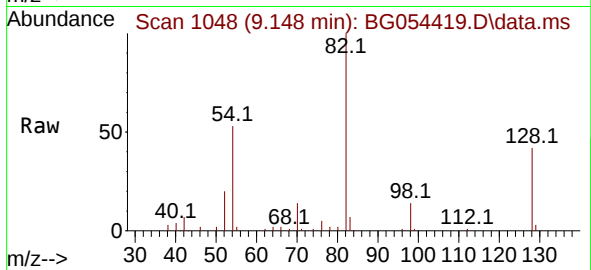




#23
Nitrobenzene-d5
Concen: 54.808 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

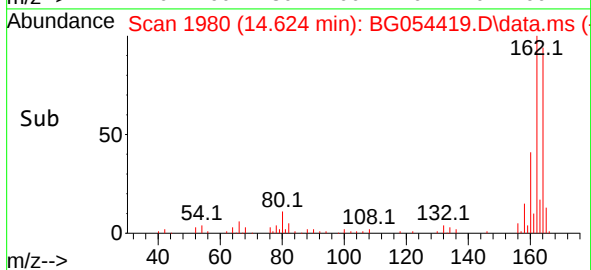
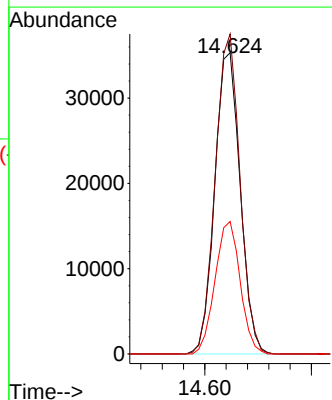
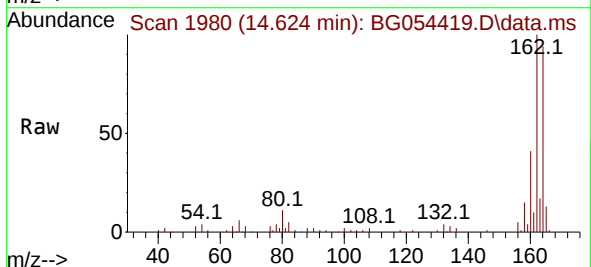
Instrument :
BNA_G
ClientSampleId :
4553-E

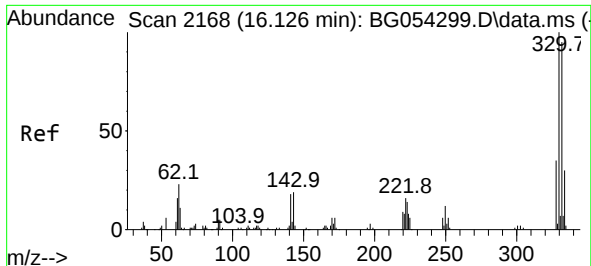
Tgt Ion: 82 Resp: 71880
Ion Ratio Lower Upper
82 100
128 42.1 27.9 41.9#
54 52.8 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.002 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion:164 Resp: 58400
Ion Ratio Lower Upper
164 100
162 106.2 82.3 123.5
160 44.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 77.955 ng

RT: 16.116 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG054419.D

Acq: 27 Jul 2022 17:03

Instrument :

BNA_G

ClientSampleId :

4553-E

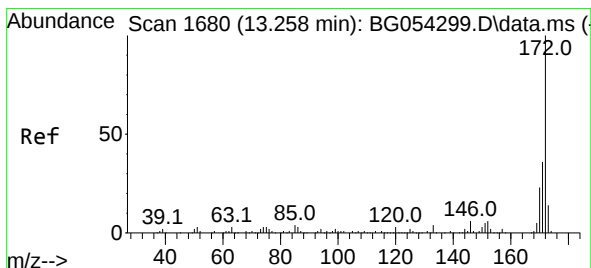
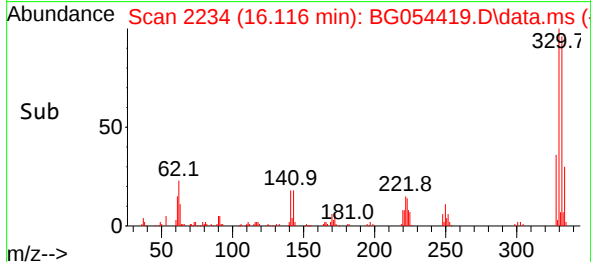
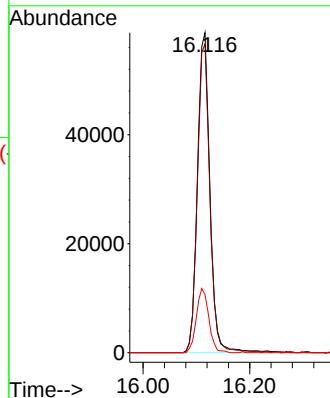
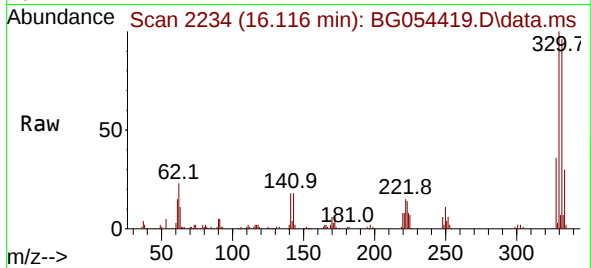
Tgt Ion:330 Resp: 95587

Ion Ratio Lower Upper

330 100

332 96.1 76.0 114.0

141 20.0 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 55.052 ng

RT: 13.243 min Scan# 1745

Delta R.T. -0.004 min

Lab File: BG054419.D

Acq: 27 Jul 2022 17:03

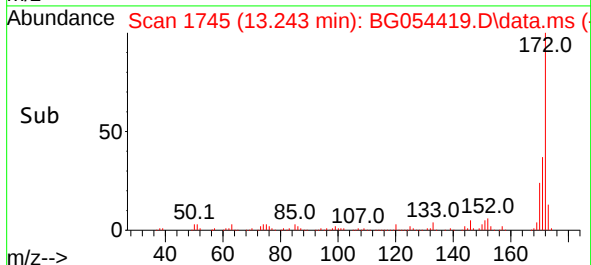
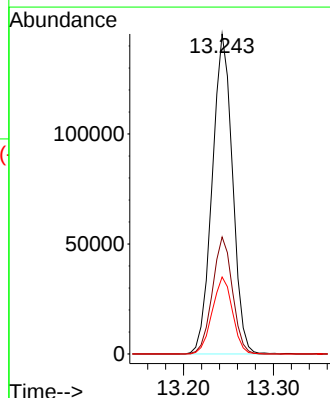
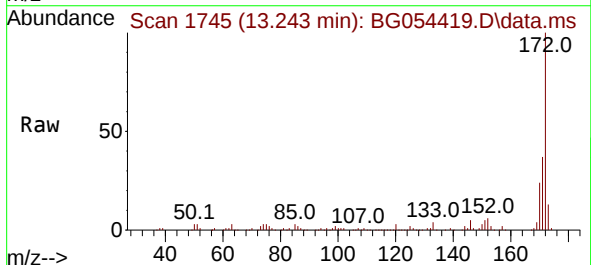
Tgt Ion:172 Resp: 227905

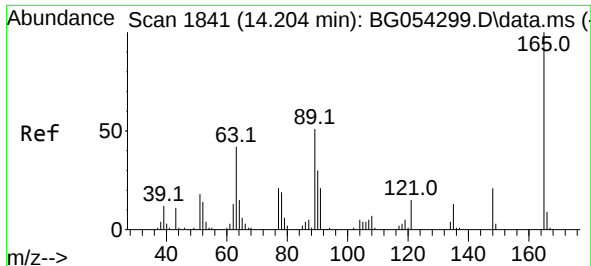
Ion Ratio Lower Upper

172 100

171 36.6 28.5 42.7

170 24.1 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.029 ng

RT: 14.624 min Scan# 1980

Delta R.T. 0.425 min

Lab File: BG054419.D

Acq: 27 Jul 2022 17:03

Instrument :

BNA_G

ClientSampleId :

4553-E

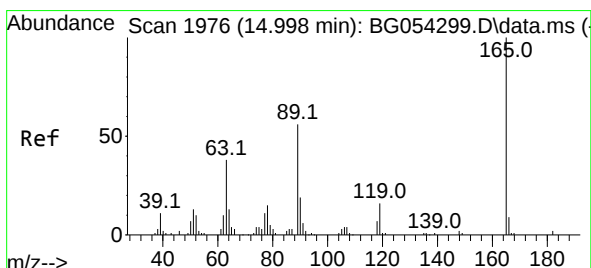
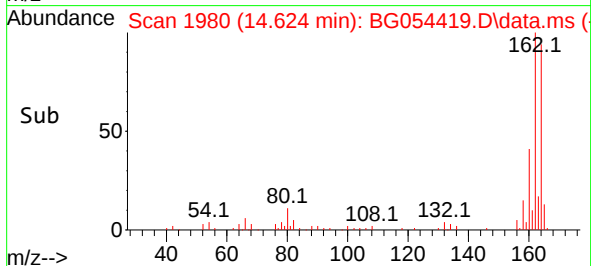
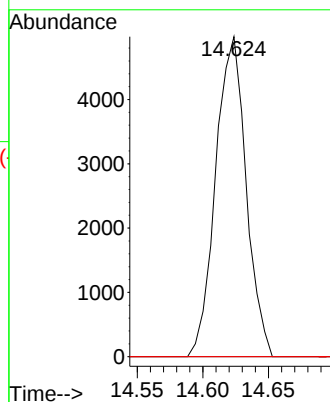
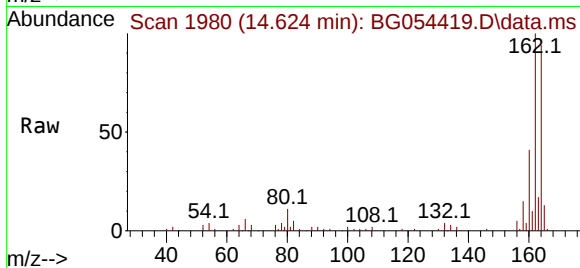
Tgt Ion:165 Resp: 8033

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#57

2,4-Dinitrotoluene

Concen: 5.600 ng

RT: 14.624 min Scan# 1980

Delta R.T. -0.368 min

Lab File: BG054419.D

Acq: 27 Jul 2022 17:03

Tgt Ion:165 Resp: 8033

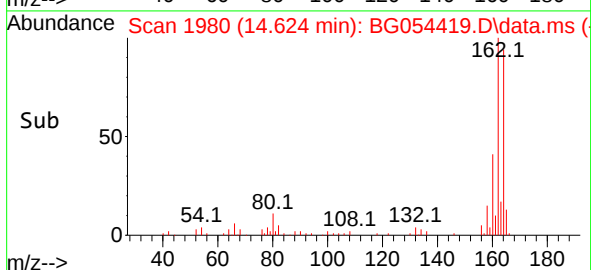
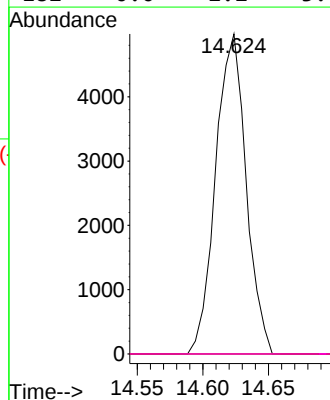
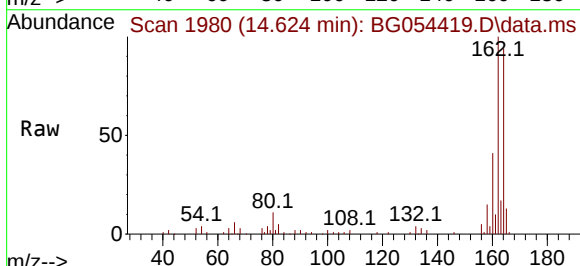
Ion Ratio Lower Upper

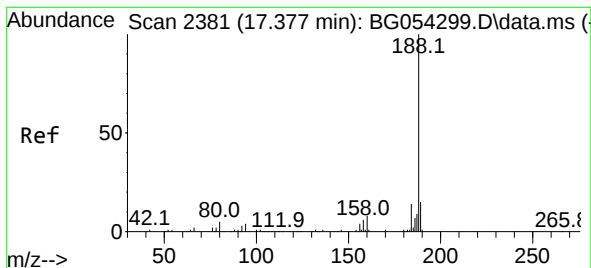
165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.367 min Scan# 2447

Delta R.T. -0.004 min

Lab File: BG054419.D

Acq: 27 Jul 2022 17:03

Instrument :

BNA_G

ClientSampleId :

4553-E

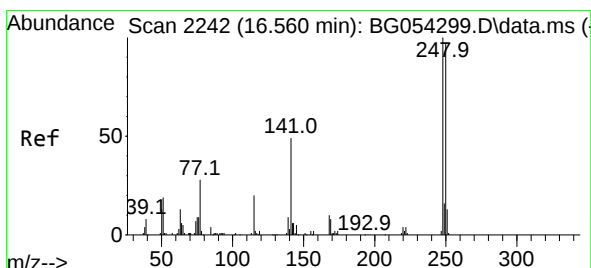
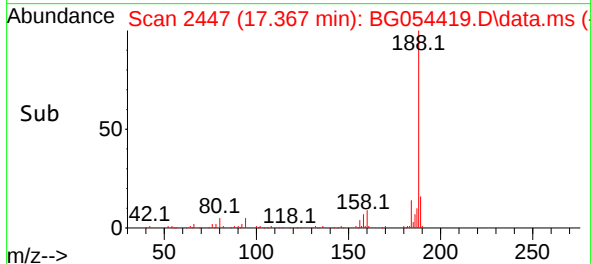
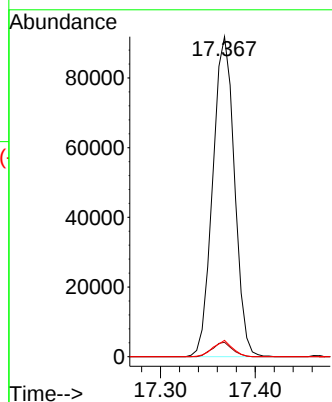
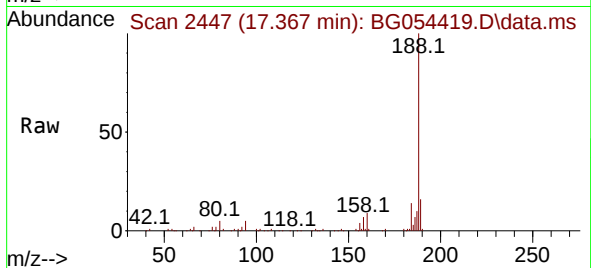
Tgt Ion:188 Resp: 146084

Ion Ratio Lower Upper

188 100

94 4.5 5.4 8.0#

80 5.1 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 2.613 ng

RT: 16.110 min Scan# 2233

Delta R.T. -0.445 min

Lab File: BG054419.D

Acq: 27 Jul 2022 17:03

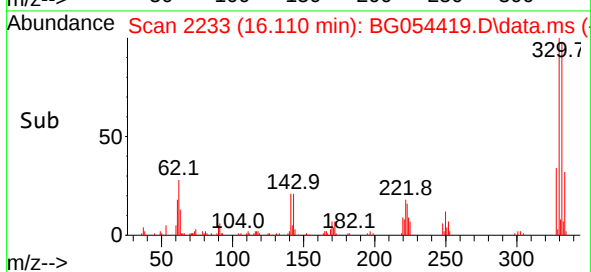
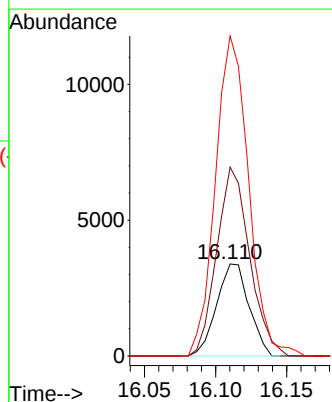
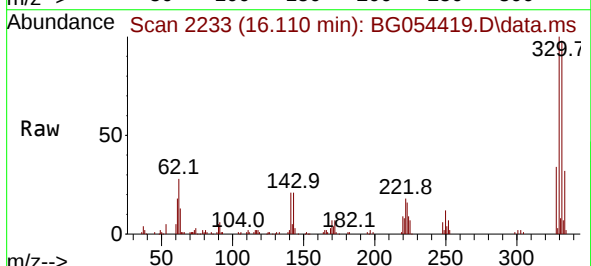
Tgt Ion:248 Resp: 5361

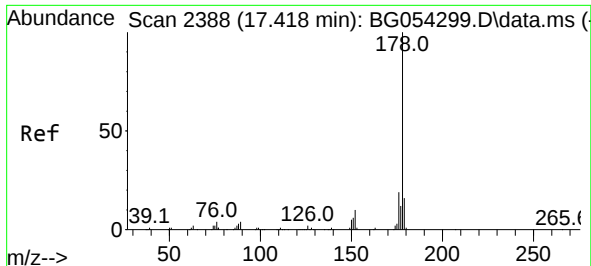
Ion Ratio Lower Upper

248 100

250 271.9 75.2 112.8#

141 348.0 50.0 75.0#

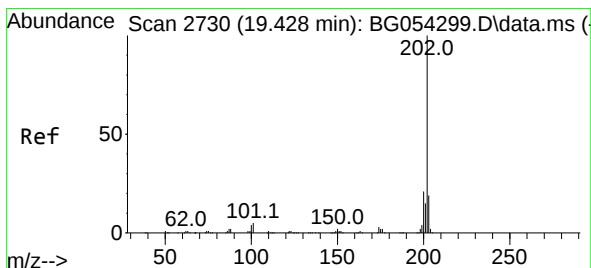
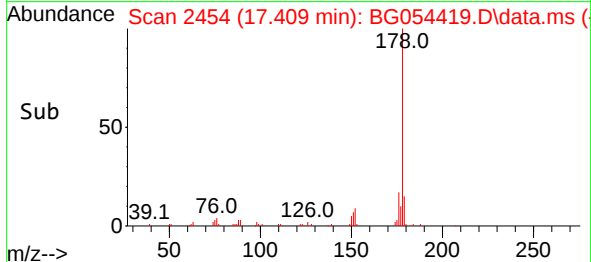
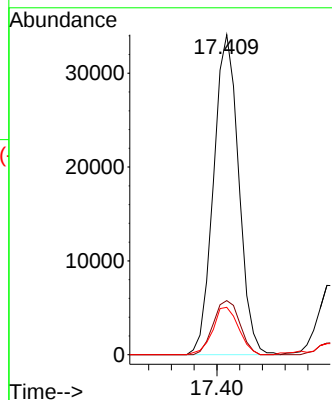
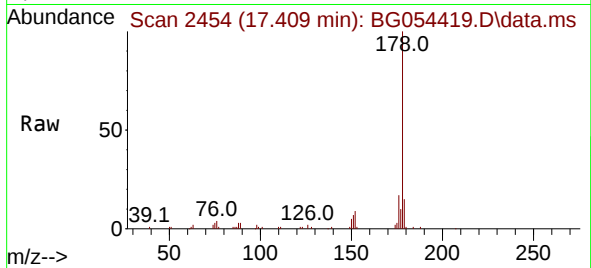




#71
Phenanthrene
Concen: 7.182 ng
RT: 17.409 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

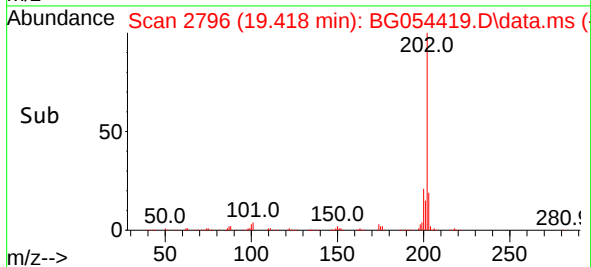
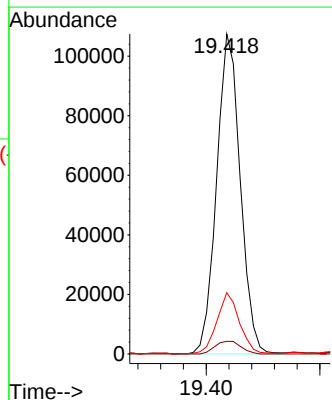
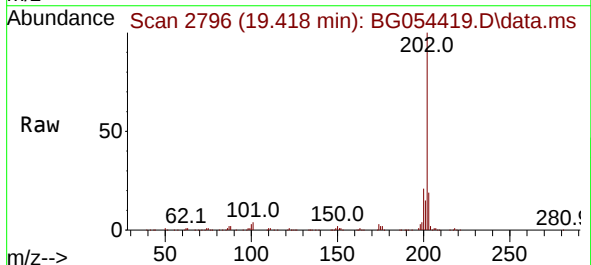
Instrument :
BNA_G
ClientSampleId :
4553-E

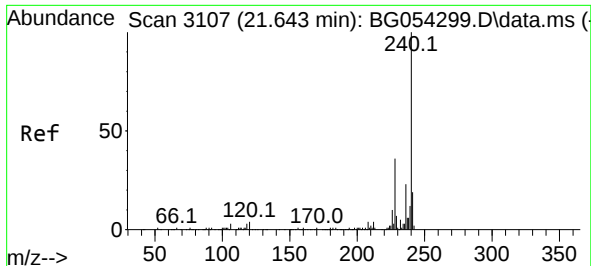
Tgt Ion:178 Resp: 52247
Ion Ratio Lower Upper
178 100
176 16.9 14.1 21.1
179 14.8 12.1 18.1



#75
Fluoranthene
Concen: 15.654 ng
RT: 19.418 min Scan# 2796
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion:202 Resp: 155242
Ion Ratio Lower Upper
202 100
101 4.0 0.0 26.9
203 19.2 0.0 37.2

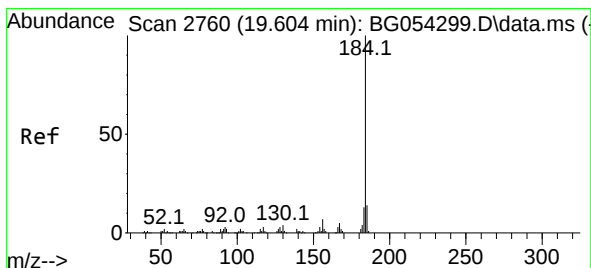
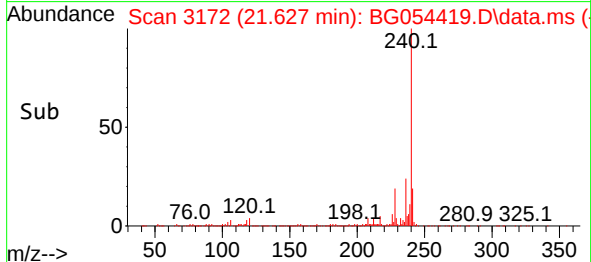
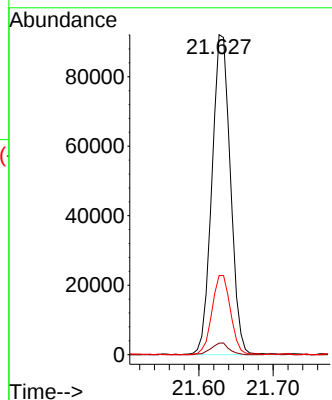
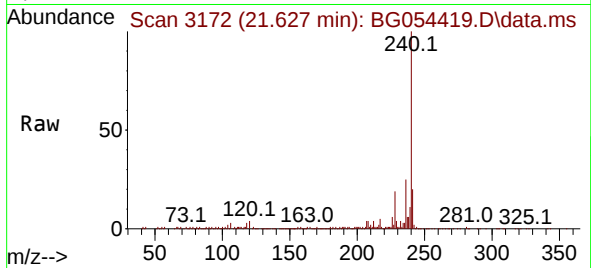




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

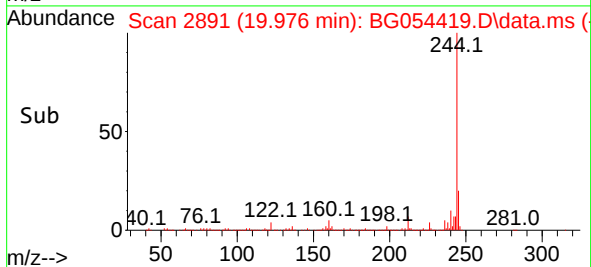
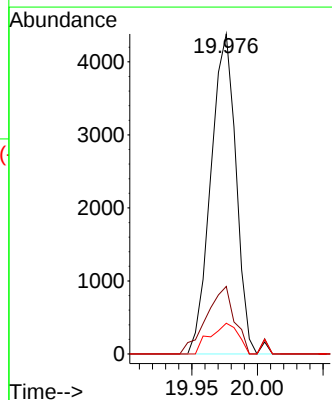
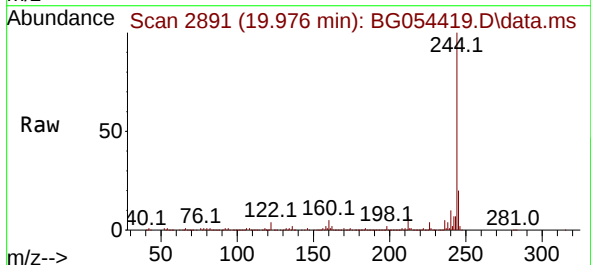
Instrument :
BNA_G
ClientSampleId :
4553-E

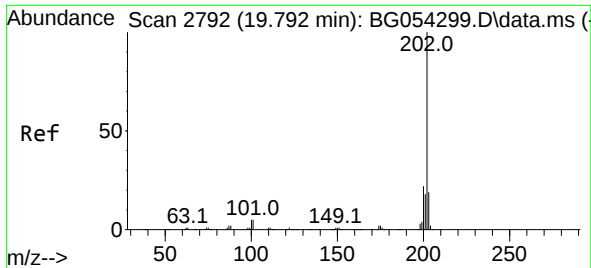
Tgt Ion:240 Resp: 159857
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.7 20.2 30.4



#77
Benzidine
Concen: 2.027 ng
RT: 19.976 min Scan# 2891
Delta R.T. 0.378 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion:184 Resp: 5869
Ion Ratio Lower Upper
184 100
185 21.1 11.8 17.6#
183 9.6 8.9 13.3

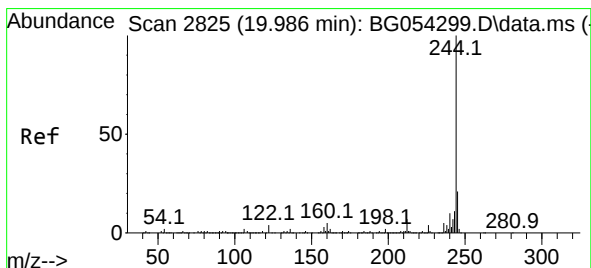
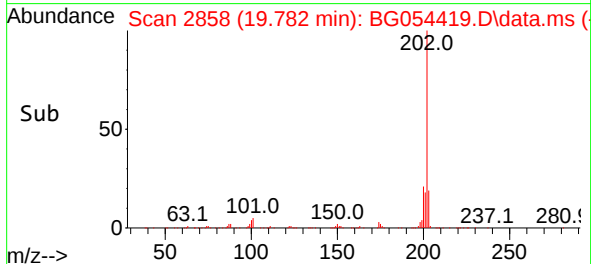
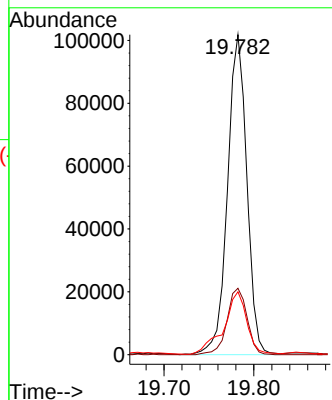
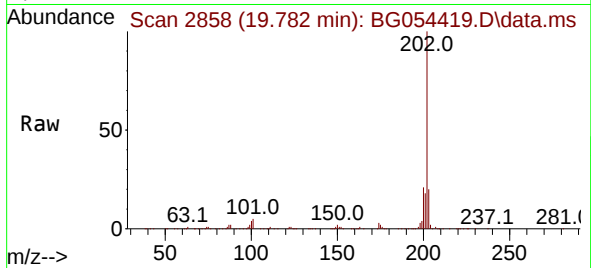




#78
 Pyrene
 Concen: 16.573 ng
 RT: 19.782 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054419.D
 Acq: 27 Jul 2022 17:03

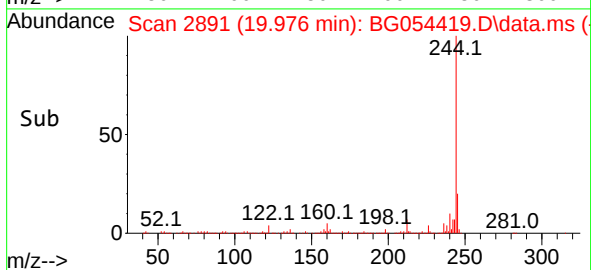
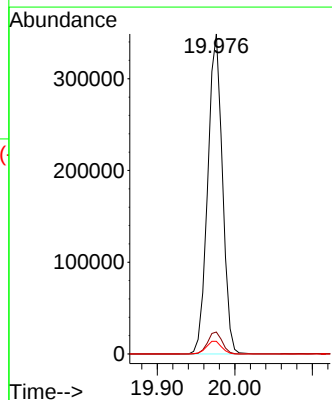
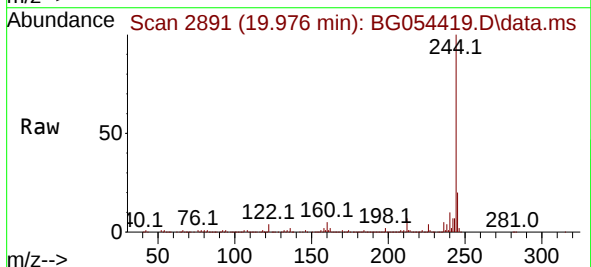
Instrument :
 BNA_G
 ClientSampleId :
 4553-E

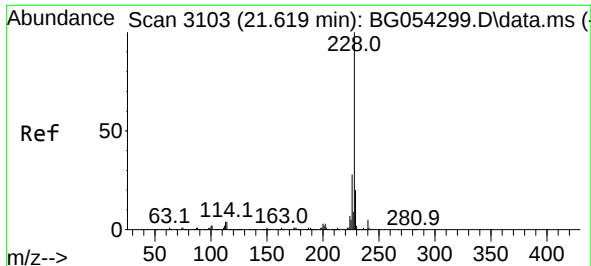
Tgt Ion:202 Resp: 152016
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.6 24.8
 203 19.6 14.6 21.8



#79
 Terphenyl-d14
 Concen: 56.848 ng
 RT: 19.976 min Scan# 2891
 Delta R.T. -0.004 min
 Lab File: BG054419.D
 Acq: 27 Jul 2022 17:03

Tgt Ion:244 Resp: 458089
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.0 5.0 7.4#

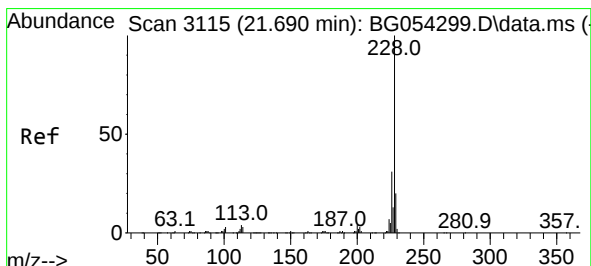
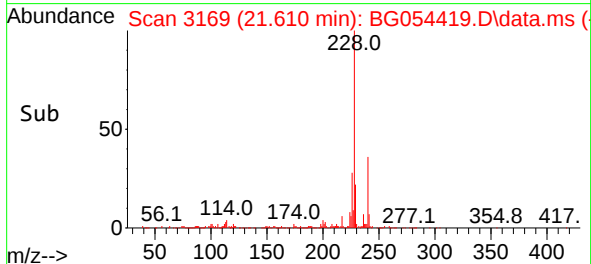
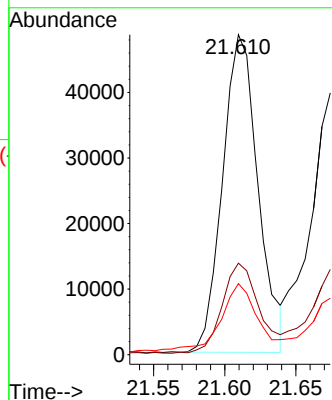
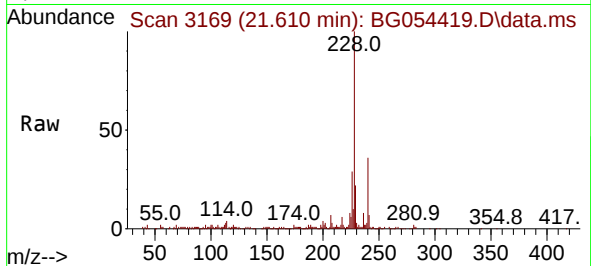




#81
Benzo(a)anthracene
Concen: 8.298 ng
RT: 21.610 min Scan# 3103
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

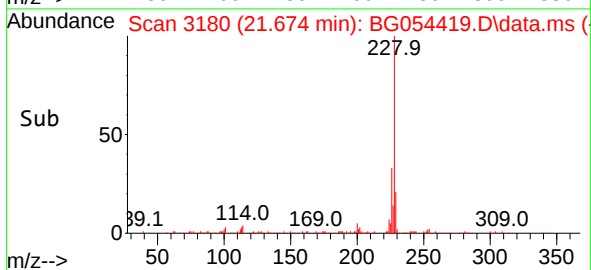
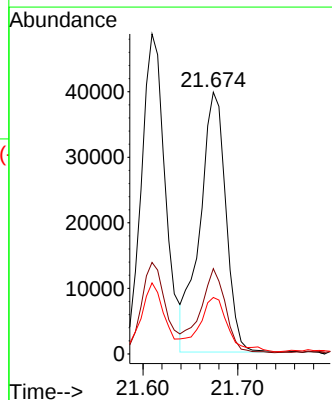
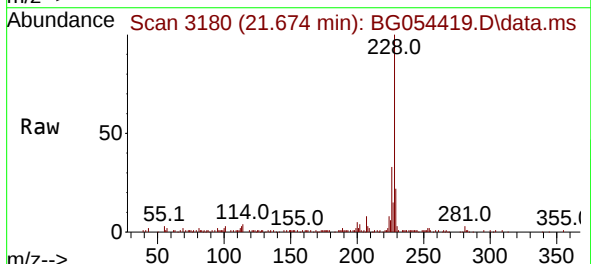
Instrument :
BNA_G
ClientSampleId :
4553-E

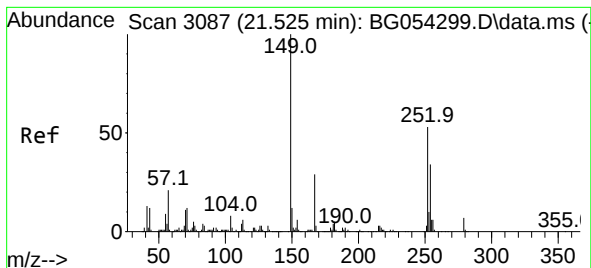
Tgt Ion:228 Resp: 84203
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 22.2 16.2 24.2



#83
Chrysene
Concen: 7.887 ng
RT: 21.674 min Scan# 3180
Delta R.T. -0.010 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion:228 Resp: 75612
Ion Ratio Lower Upper
228 100
226 32.6 23.4 35.2
229 21.6 15.5 23.3

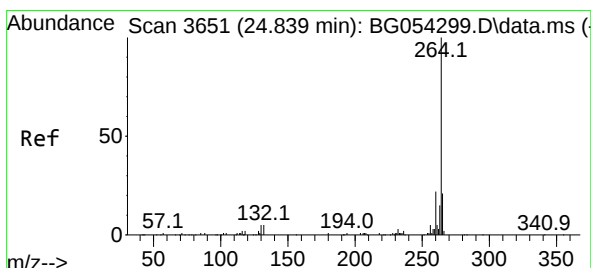
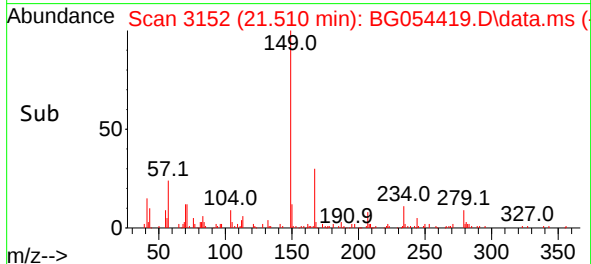
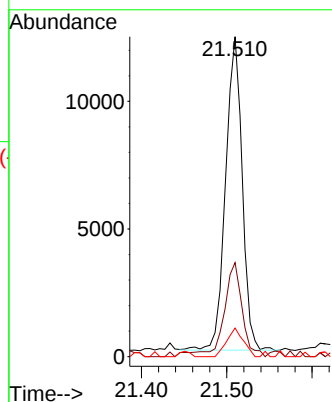
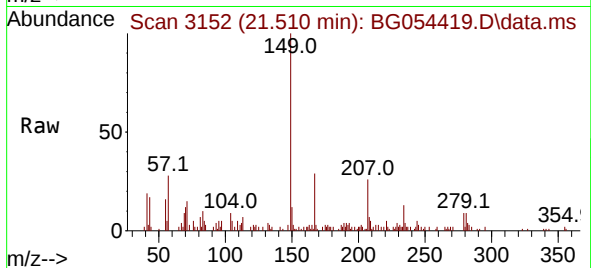




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.117 ng
RT: 21.510 min Scan# 311
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

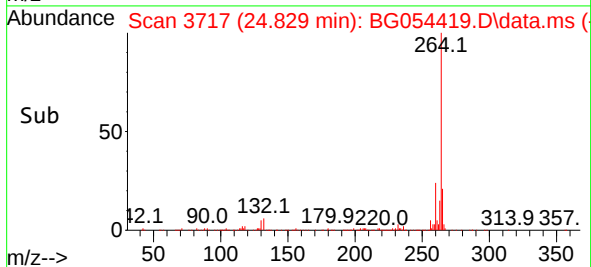
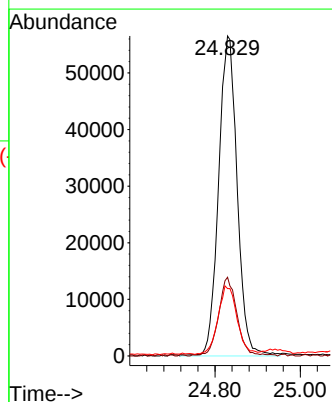
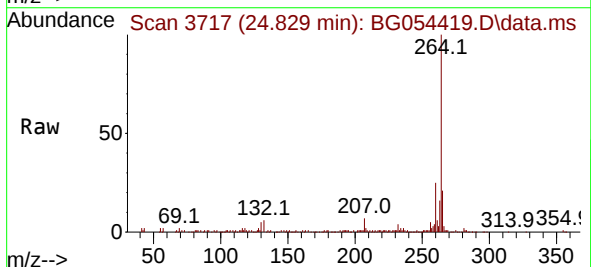
Instrument :
BNA_G
ClientSampleId :
4553-E

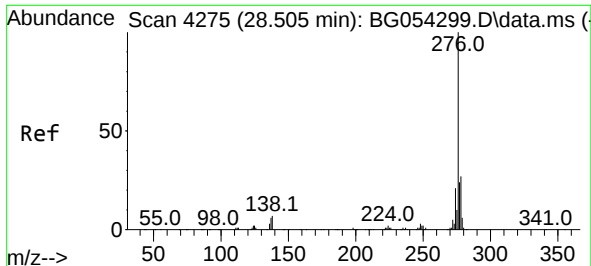
Tgt Ion:149 Resp: 16650
Ion Ratio Lower Upper
149 100
167 29.4 20.2 30.4
279 9.0 3.6 5.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.829 min Scan# 3717
Delta R.T. -0.004 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

Tgt Ion:264 Resp: 171199
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 21.1 17.4 26.2

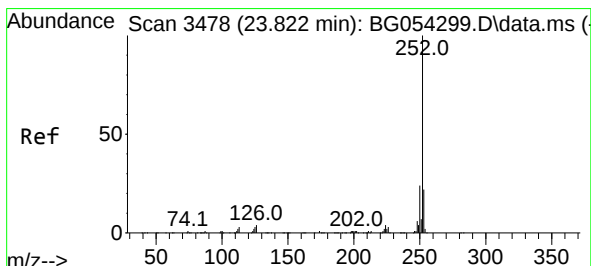
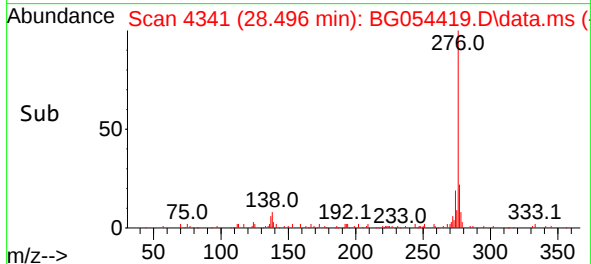
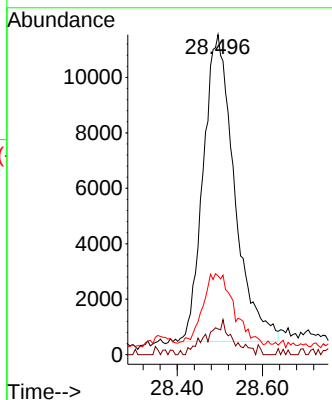
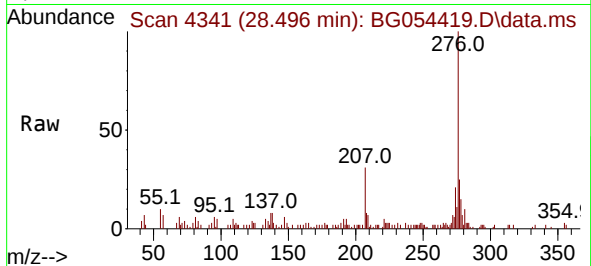




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.309 ng
 RT: 28.496 min Scan# 41
 Delta R.T. -0.022 min
 Lab File: BG054419.D
 Acq: 27 Jul 2022 17:03

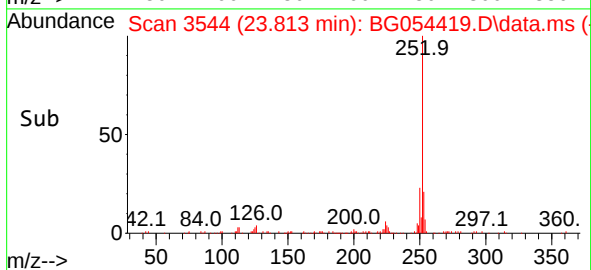
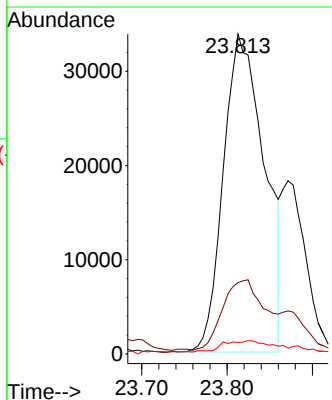
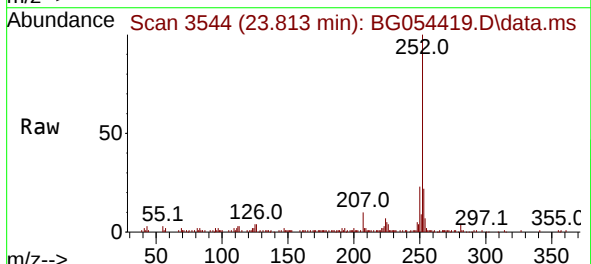
Instrument :
 BNA_G
 ClientSampleId :
 4553-E

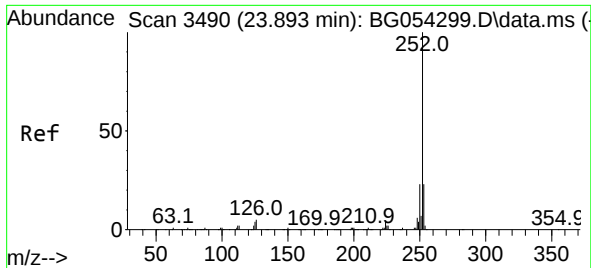
Tgt Ion:276 Resp: 56116
 Ion Ratio Lower Upper
 276 100
 138 8.6 5.0 7.4#
 277 23.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 11.164 ng
 RT: 23.813 min Scan# 3544
 Delta R.T. -0.010 min
 Lab File: BG054419.D
 Acq: 27 Jul 2022 17:03

Tgt Ion:252 Resp: 113025
 Ion Ratio Lower Upper
 252 100
 253 22.3 18.0 27.0
 125 3.6 4.6 6.8#

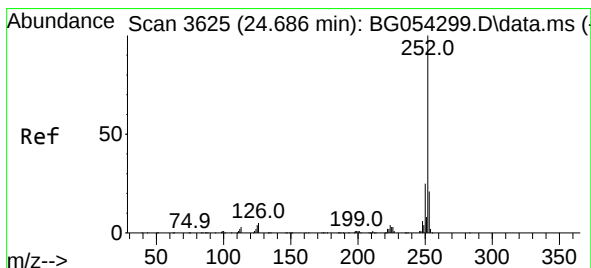
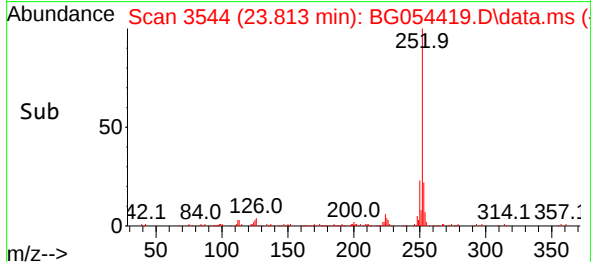
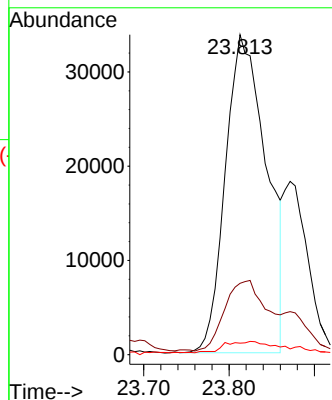
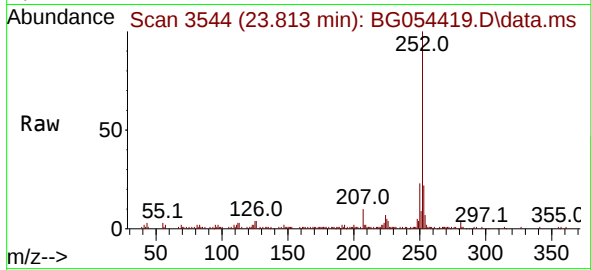




#89
Benzo(k)fluoranthene
Concen: 11.217 ng
RT: 23.813 min Scan# 31
Delta R.T. -0.075 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

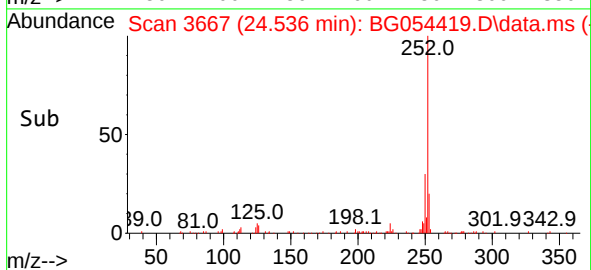
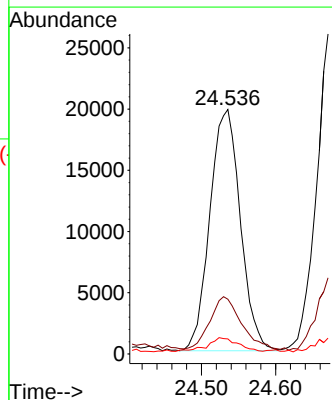
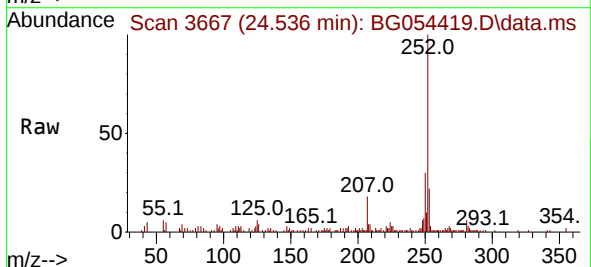
Instrument :
BNA_G
ClientSampleId :
4553-E

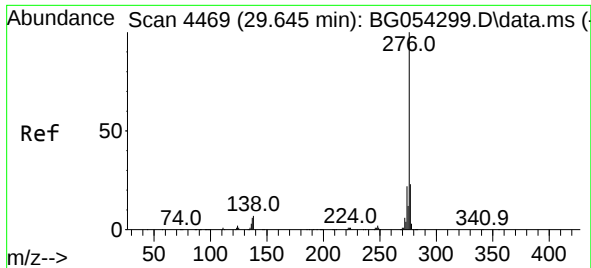
Tgt Ion:252 Resp: 113025
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 3.6 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 6.511 ng
RT: 24.536 min Scan# 3667
Delta R.T. -0.151 min
Lab File: BG054419.D
Acq: 27 Jul 2022 17:03

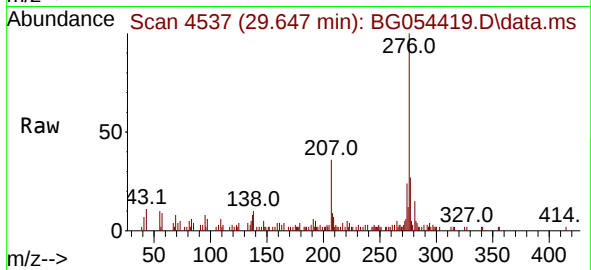
Tgt Ion:252 Resp: 56298
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 6.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 5.214 ng
 RT: 29.647 min Scan# 4
 Delta R.T. -0.016 min
 Lab File: BG054419.D
 Acq: 27 Jul 2022 17:03

Instrument :
 BNA_G
 ClientSampleId :
 4553-E



Tgt Ion:276 Resp: 55116
 Ion Ratio Lower Upper
 276 100
 277 27.1 17.3 25.9#
 138 10.1 9.6 14.4

