

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053294.D
 Acq On : 23 Apr 2022 15:43
 Operator : CG/JU
 Sample : N2478-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 279

Quant Time: Apr 24 02:49:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

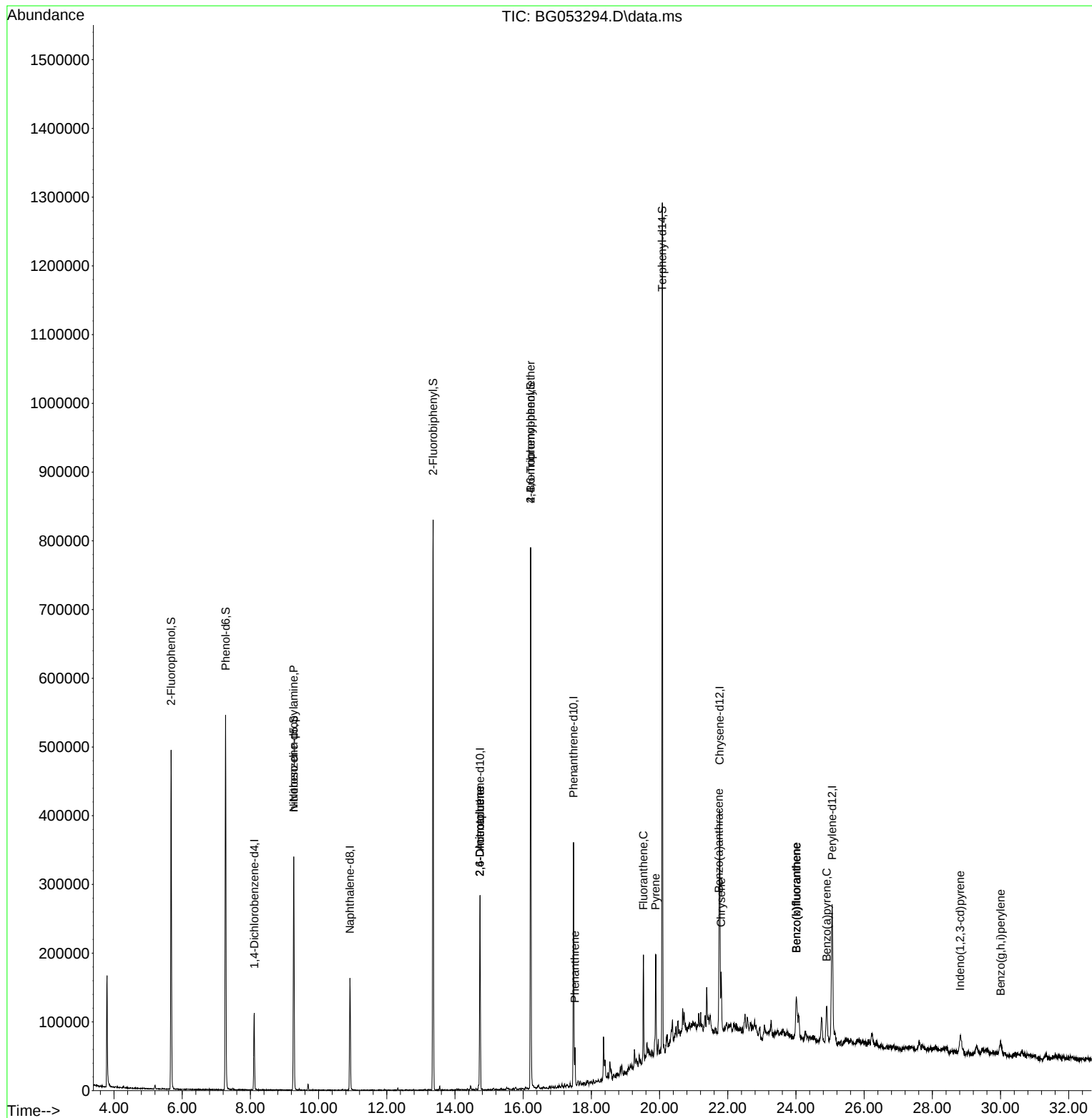
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	29966	20.000	ng	0.00
21) Naphthalene-d8	10.919	136	133390	20.000	ng	# 0.00
39) Acenaphthene-d10	14.732	164	100580	20.000	ng	0.00
64) Phenanthrene-d10	17.475	188	224762	20.000	ng	0.00
76) Chrysene-d12	21.758	240	194618	20.000	ng	0.00
86) Perylene-d12	25.059	264	204932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	204038	116.718	ng	0.00
7) Phenol-d6	7.271	99	309735	114.896	ng	0.00
23) Nitrobenzene-d5	9.269	82	215303	65.537	ng	0.00
42) 2,4,6-Tribromophenol	16.218	330	160175	100.098	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	442333	60.642	ng	0.00
79) Terphenyl-d14	20.077	244	620103	53.813	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.269	70	30369	15.388	ng	# 75
51) 2,6-Dinitrotoluene	14.726	165	13867	8.263	ng	# 25
57) 2,4-Dinitrotoluene	14.726	165	13867	5.804	ng	# 24
67) 4-Bromophenyl-phenylether	16.218	248	10101	3.507	ng	# 1
71) Phenanthrene	17.516	178	35707	2.908	ng	# 93
75) Fluoranthene	19.525	202	96862	6.155	ng	99
78) Pyrene	19.884	202	99446	7.175	ng	97
81) Benzo(a)anthracene	21.740	228	53897	4.050	ng	96
83) Chrysene	21.805	228	59260	4.799	ng	93
87) Indeno(1,2,3-cd)pyrene	28.813	276	44688	2.935	ng	# 91
88) Benzo(b)fluoranthene	24.013	252	79007	6.110	ng	# 92
89) Benzo(k)fluoranthene	24.013	252	79007	6.217	ng	# 92
90) Benzo(a)pyrene	24.900	252	57104	5.184	ng	98
92) Benzo(g,h,i)perylene	29.999	276	42494	3.440	ng	96

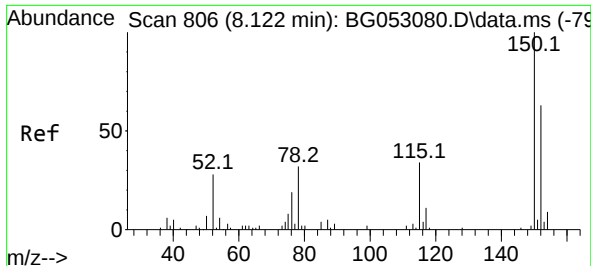
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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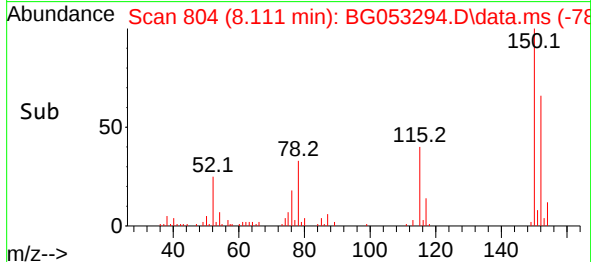
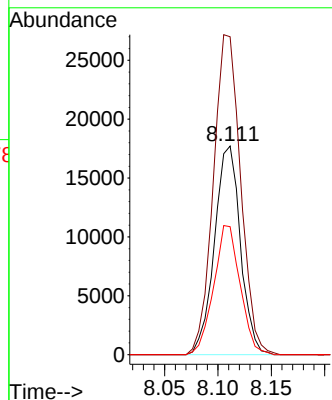
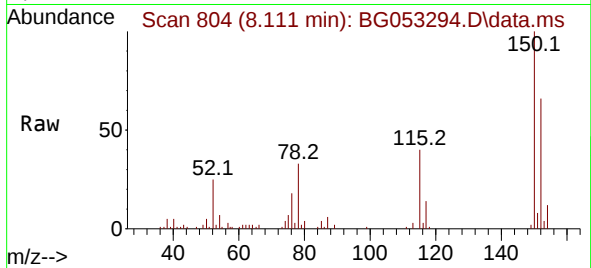




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

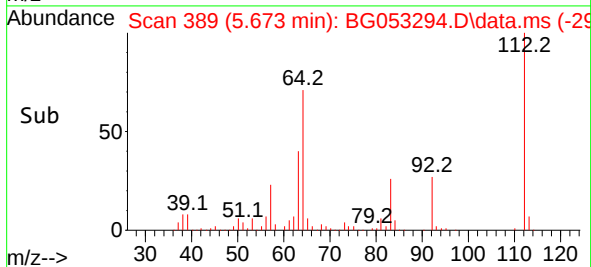
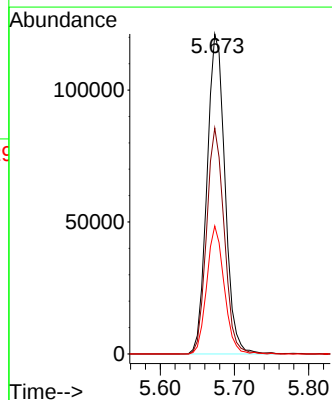
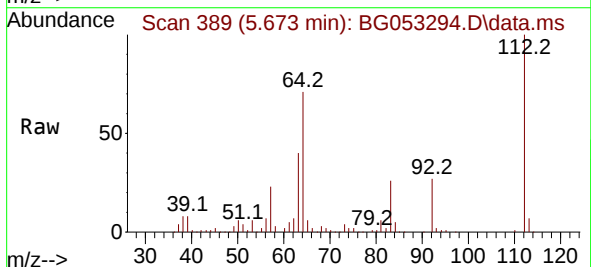
Instrument :
BNA_G
ClientSampleId :
279

Tgt Ion:152 Resp: 29966
Ion Ratio Lower Upper
152 100
150 152.4 114.6 172.0
115 61.3 45.9 68.9



#5
2-Fluorophenol
Concen: 116.718 ng
RT: 5.673 min Scan# 389
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:112 Resp: 204038
Ion Ratio Lower Upper
112 100
64 70.6 48.0 72.0
63 40.0 26.5 39.7#

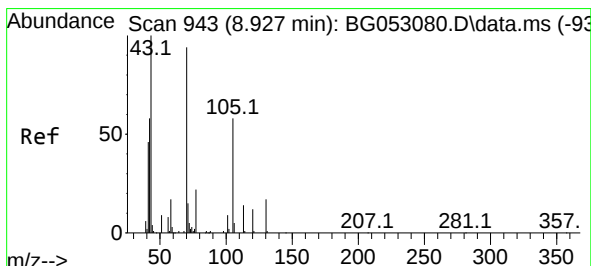
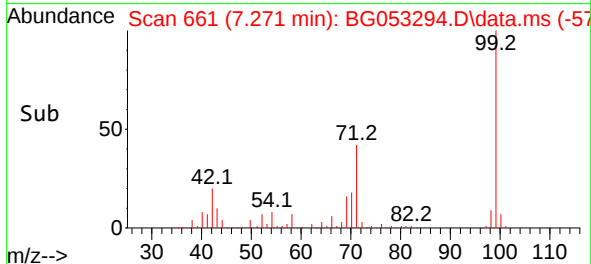
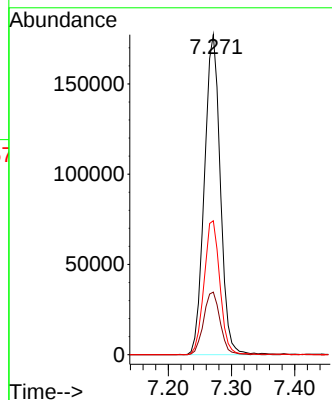
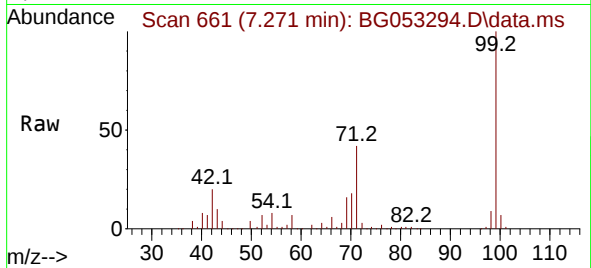




#7
Phenol-d6
Concen: 114.896 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

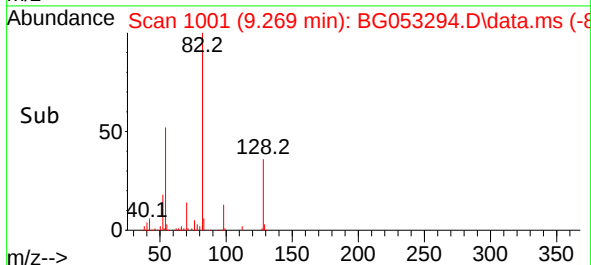
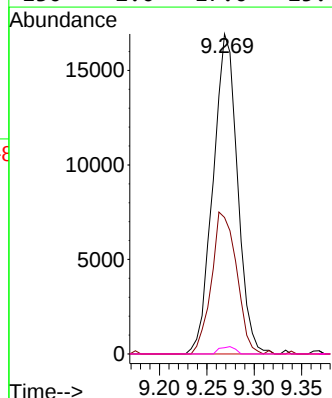
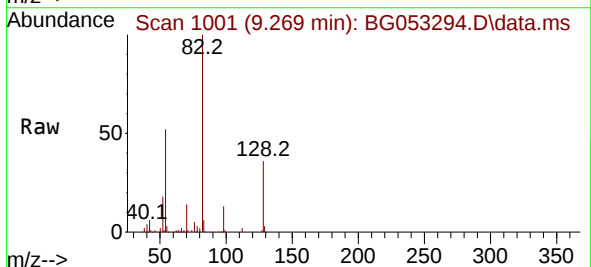
Instrument :
BNA_G
ClientSampleId :
279

Tgt Ion: 99 Resp: 309735
Ion Ratio Lower Upper
99 100
42 19.5 14.7 22.1
71 41.9 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.388 ng
RT: 9.269 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion: 70 Resp: 30369
Ion Ratio Lower Upper
70 100
42 42.7 46.0 69.0#
101 0.0 6.2 9.4#
130 2.0 17.0 25.4#

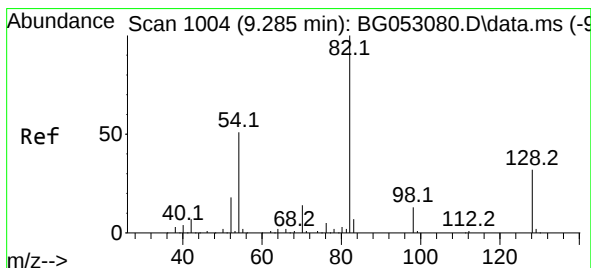
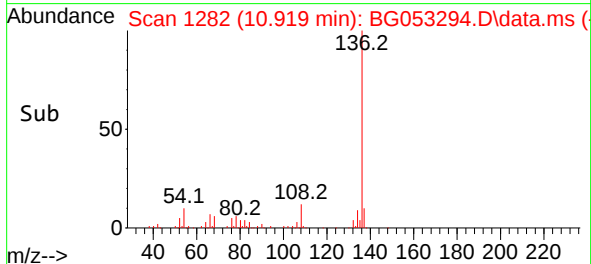
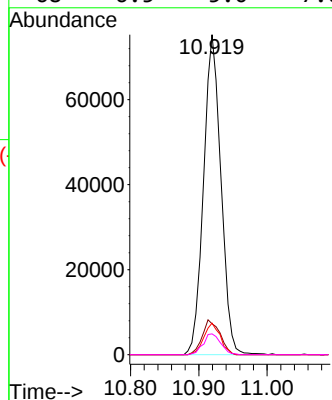
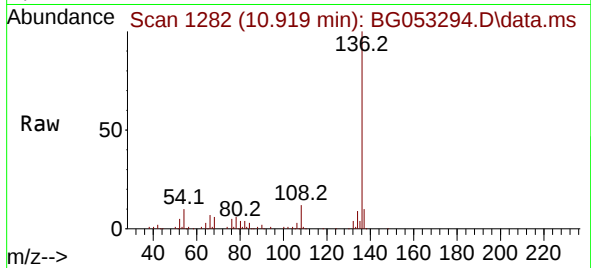




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.919 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

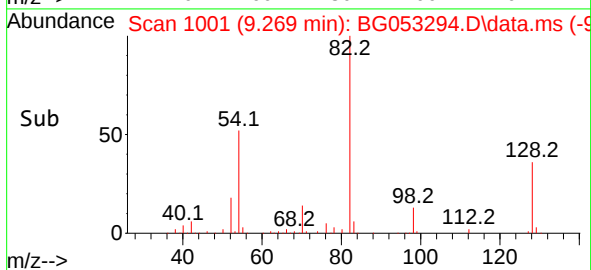
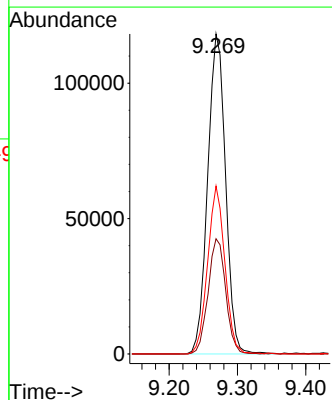
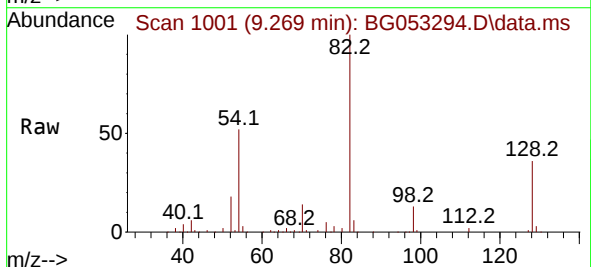
Instrument :
BNA_G
ClientSampleId :
279

Tgt Ion:136 Resp: 133390
Ion Ratio Lower Upper
136 100
137 9.7 9.4 14.2
54 9.9 6.4 9.6#
68 6.5 5.0 7.6



#23
Nitrobenzene-d5
Concen: 65.537 ng
RT: 9.269 min Scan# 1001
Delta R.T. -0.008 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion: 82 Resp: 215303
Ion Ratio Lower Upper
82 100
128 36.0 31.3 46.9
54 52.4 37.8 56.8

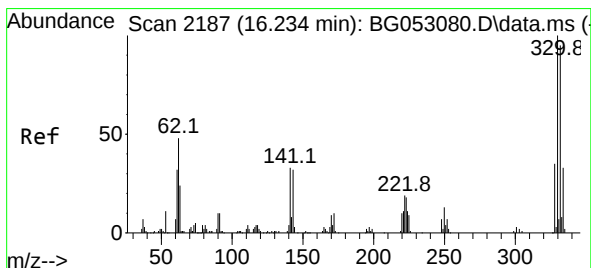
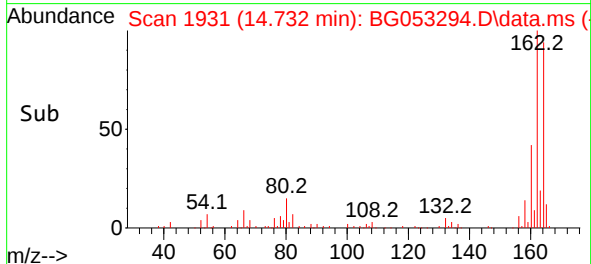
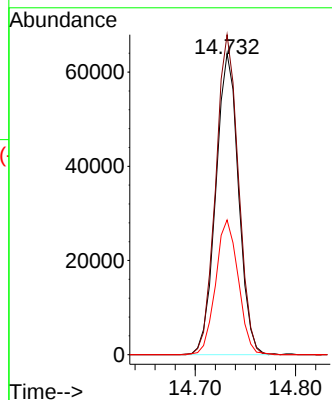
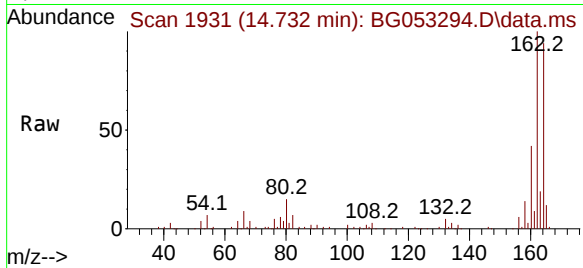




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.732 min Scan# 1931
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

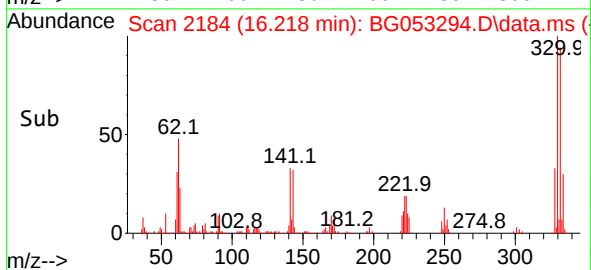
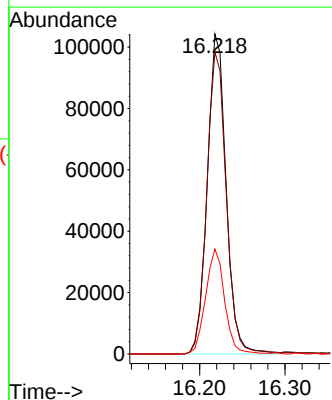
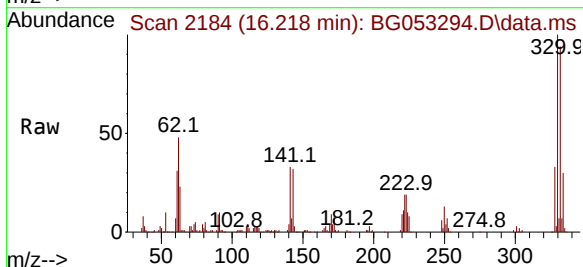
Instrument :
BNA_G
ClientSampleId :
279

Tgt Ion:164 Resp: 100580
Ion Ratio Lower Upper
164 100
162 106.2 80.0 120.0
160 44.7 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 100.098 ng
RT: 16.218 min Scan# 2184
Delta R.T. -0.008 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:330 Resp: 160175
Ion Ratio Lower Upper
330 100
332 97.5 75.8 113.6
141 33.0 24.6 36.8

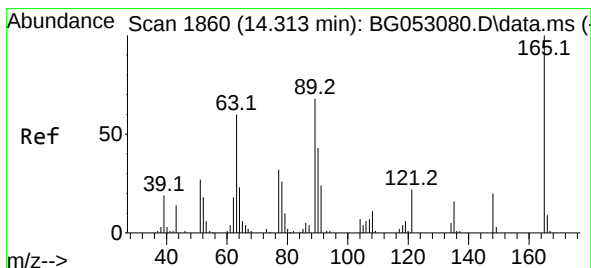
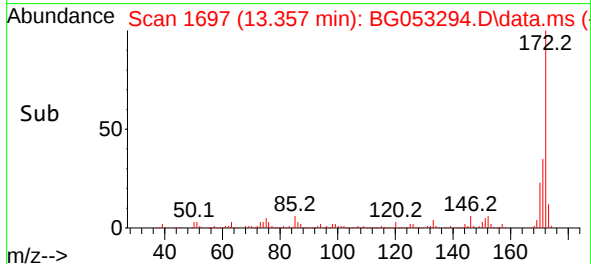
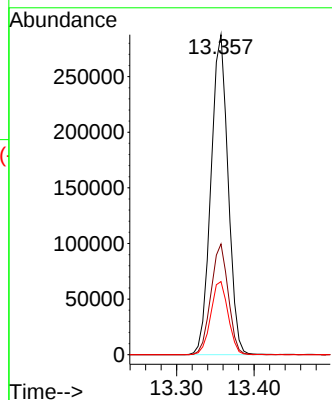
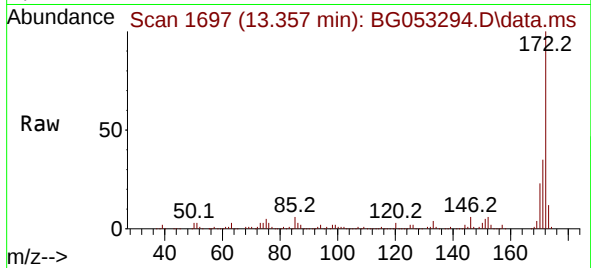




#45
2-Fluorobiphenyl
Concen: 60.642 ng
RT: 13.357 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

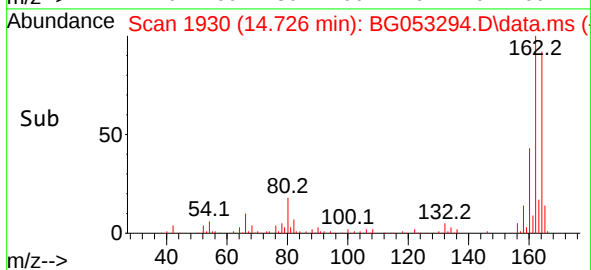
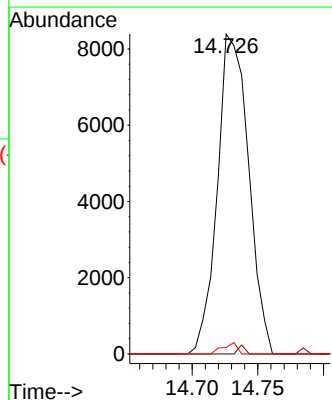
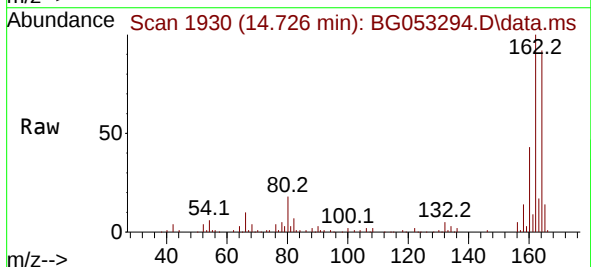
Instrument :
BNA_G
ClientSampleId :
279

Tgt Ion:172 Resp: 442333
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 22.9 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 8.263 ng
RT: 14.726 min Scan# 1930
Delta R.T. 0.421 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:165 Resp: 13867
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 2.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.804 ng

RT: 14.726 min Scan# 1994

Delta R.T. -0.366 min

Lab File: BG053294.D

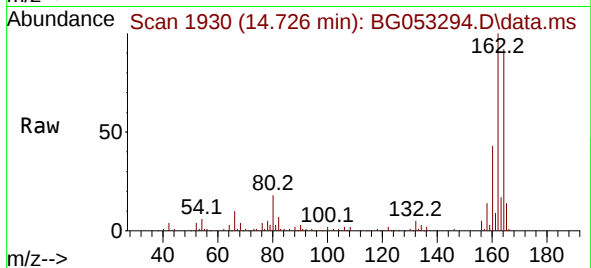
Acq: 23 Apr 2022 15:43

Instrument :

BNA_G

ClientSampleId :

279



Tgt Ion:165 Resp: 13867

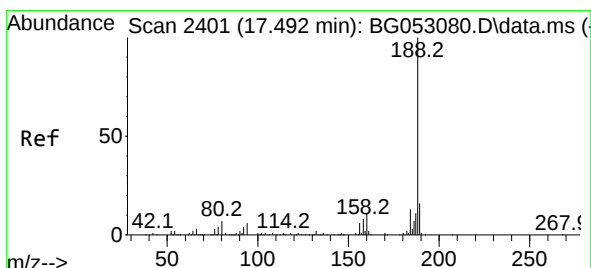
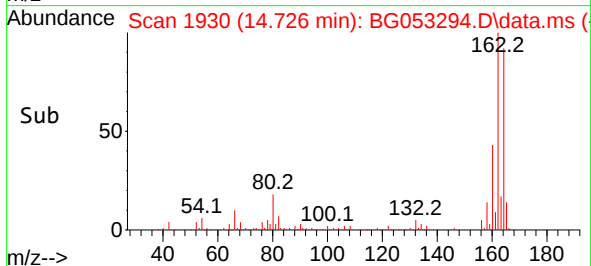
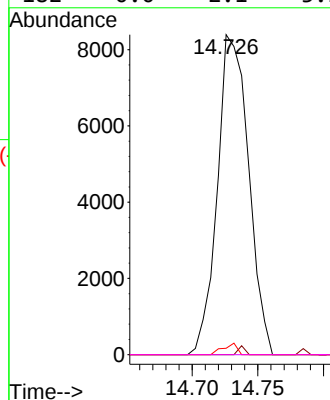
Ion Ratio Lower Upper

165 100

63 0.0 34.8 52.2#

89 2.0 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.475 min Scan# 2398

Delta R.T. -0.008 min

Lab File: BG053294.D

Acq: 23 Apr 2022 15:43

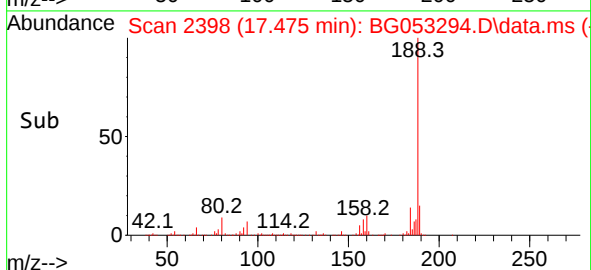
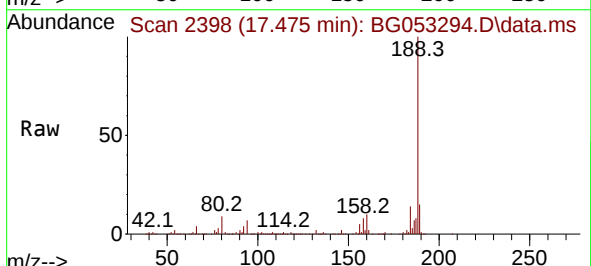
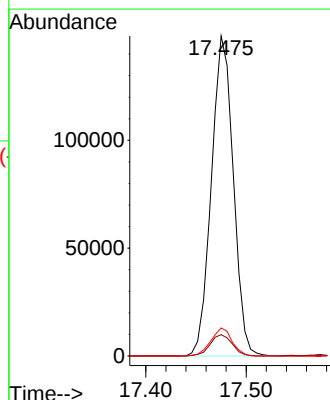
Tgt Ion:188 Resp: 224762

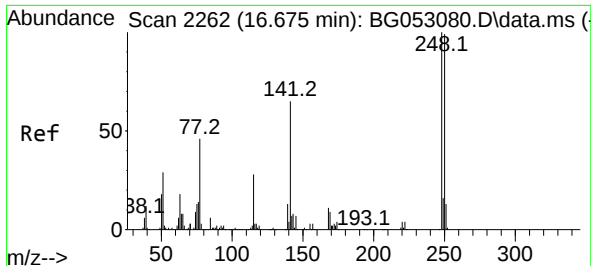
Ion Ratio Lower Upper

188 100

94 6.6 5.7 8.5

80 8.8 7.2 10.8

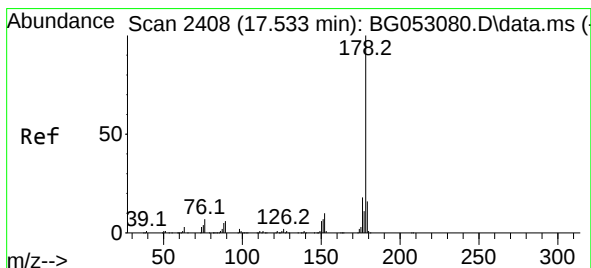
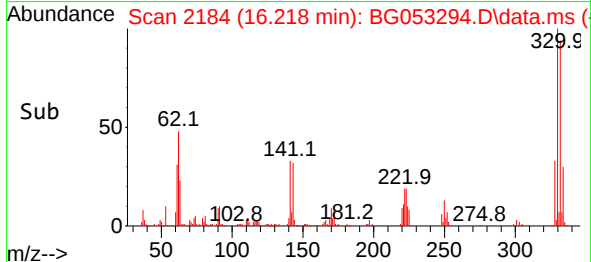
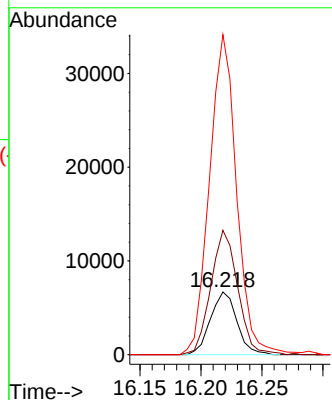
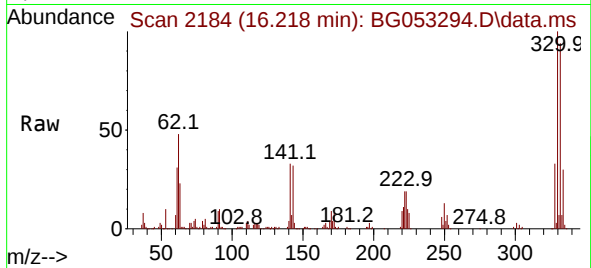




#67
4-Bromophenyl-phenylether
Concen: 3.507 ng
RT: 16.218 min Scan# 2184
Delta R.T. -0.443 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

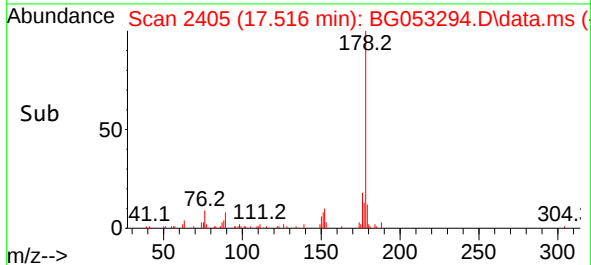
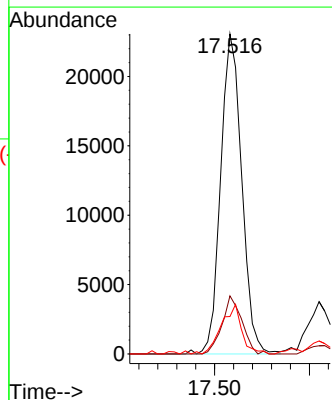
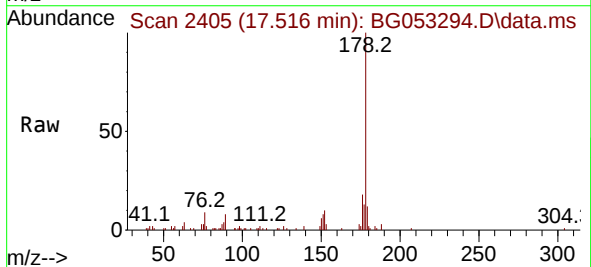
Instrument :
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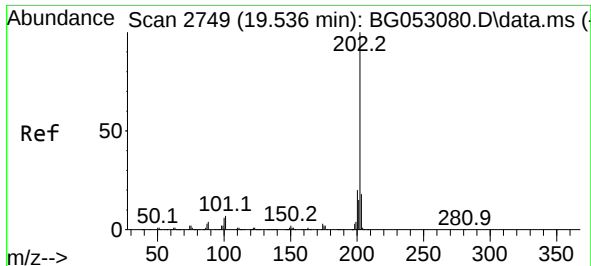
Tgt Ion:248 Resp: 10101
Ion Ratio Lower Upper
248 100
250 198.3 77.9 116.9#
141 510.6 49.2 73.8#



#71
Phenanthrene
Concen: 2.908 ng
RT: 17.516 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:178 Resp: 35707
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 11.7 13.4 20.2#

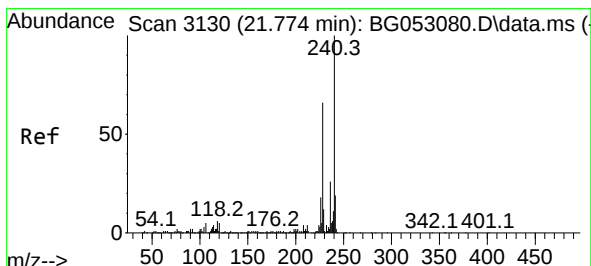
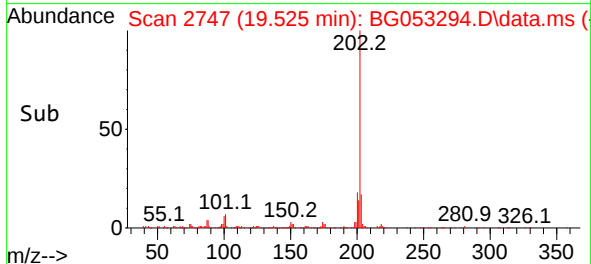
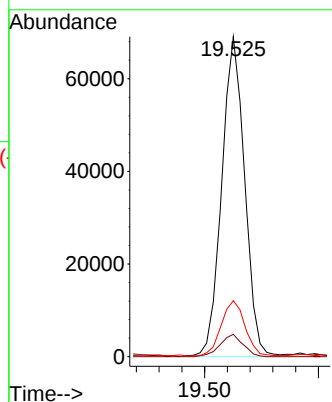
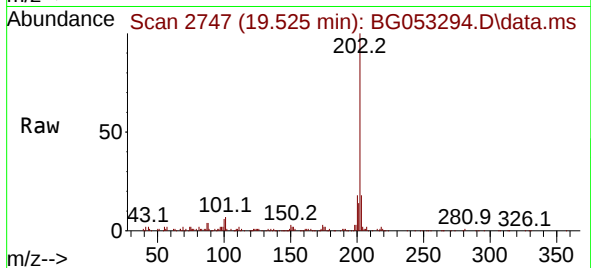




#75
Fluoranthene
Concen: 6.155 ng
RT: 19.525 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

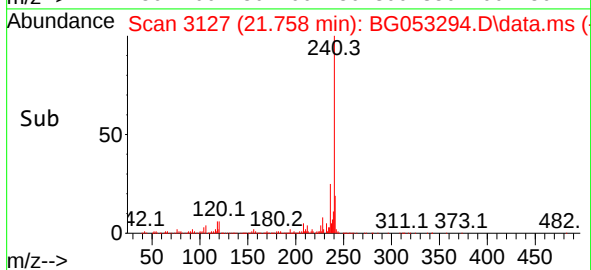
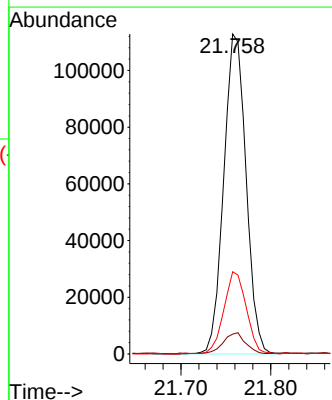
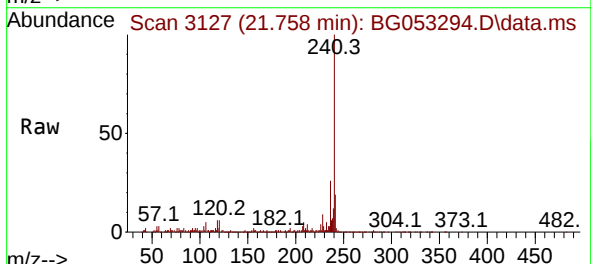
Instrument :
BNA_G
ClientSampleId :
279

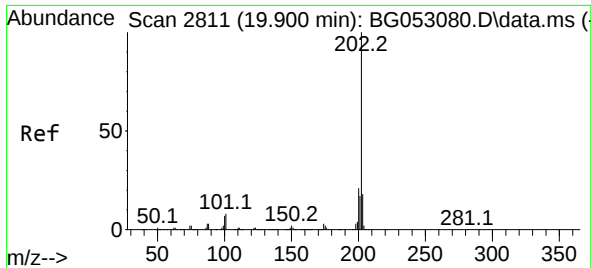
Tgt Ion:202 Resp: 96862
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.3
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.758 min Scan# 3127
Delta R.T. -0.008 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:240 Resp: 194618
Ion Ratio Lower Upper
240 100
120 6.2 5.4 8.0
236 25.7 19.8 29.6

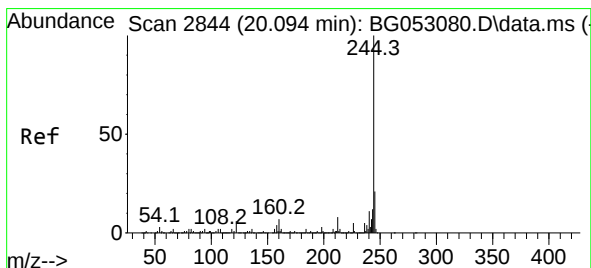
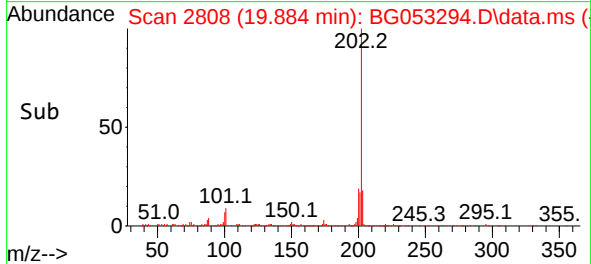
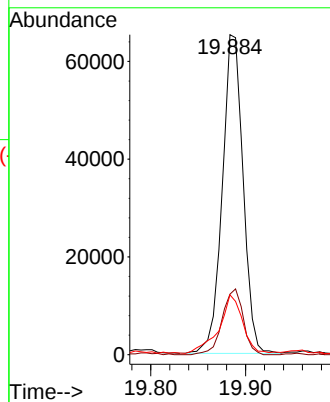
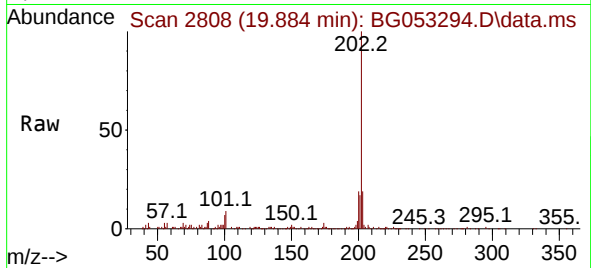




#78
 Pyrene
 Concen: 7.175 ng
 RT: 19.884 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG053294.D
 Acq: 23 Apr 2022 15:43

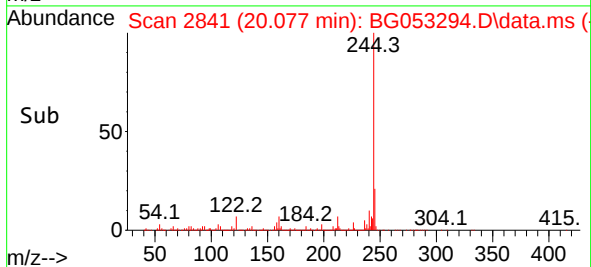
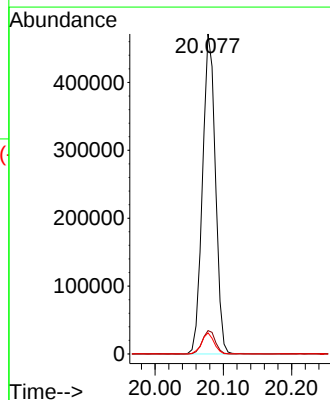
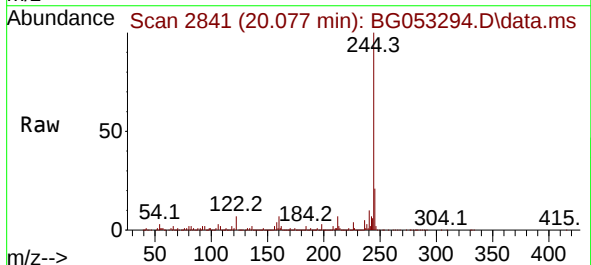
Instrument :
 BNA_G
 ClientSampleId :
 279

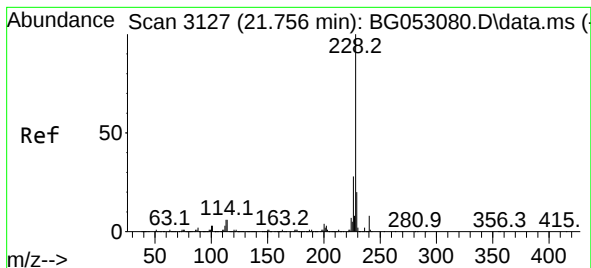
Tgt Ion:202 Resp: 99446
 Ion Ratio Lower Upper
 202 100
 200 18.9 17.0 25.6
 203 18.7 15.0 22.6



#79
 Terphenyl-d14
 Concen: 53.813 ng
 RT: 20.077 min Scan# 2841
 Delta R.T. -0.008 min
 Lab File: BG053294.D
 Acq: 23 Apr 2022 15:43

Tgt Ion:244 Resp: 620103
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 6.6 5.8 8.6





#81

Benzo(a)anthracene

Concen: 4.050 ng

RT: 21.740 min Scan# 3127

Delta R.T. -0.008 min

Lab File: BG053294.D

Acq: 23 Apr 2022 15:43

Instrument :

BNA_G

ClientSampleId :

279

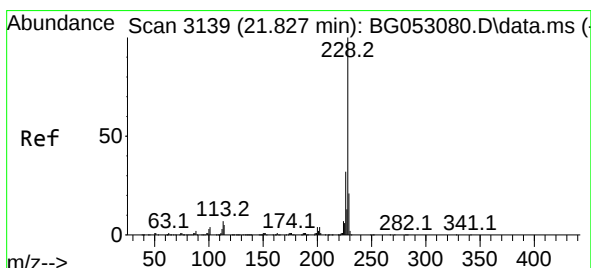
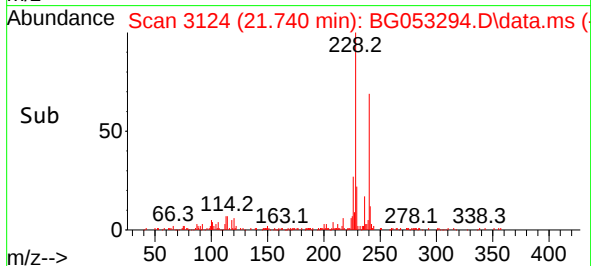
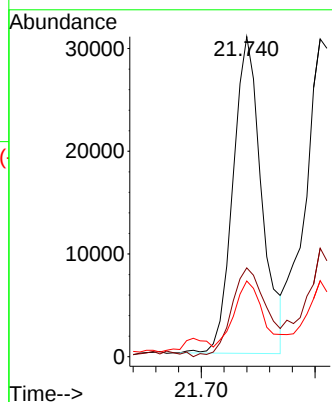
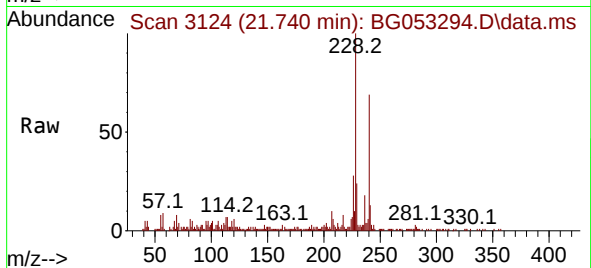
Tgt Ion:228 Resp: 53897

Ion Ratio Lower Upper

228 100

226 27.7 21.4 32.0

229 23.6 16.7 25.1



#83

Chrysene

Concen: 4.799 ng

RT: 21.805 min Scan# 3135

Delta R.T. -0.008 min

Lab File: BG053294.D

Acq: 23 Apr 2022 15:43

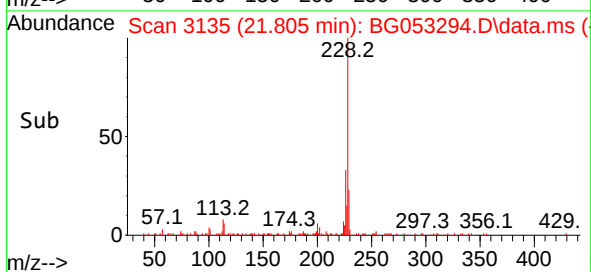
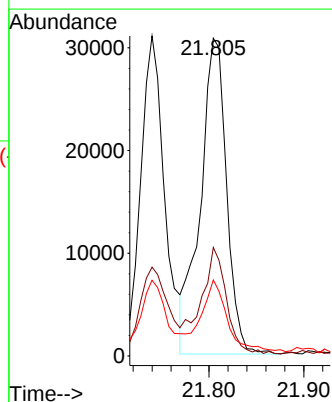
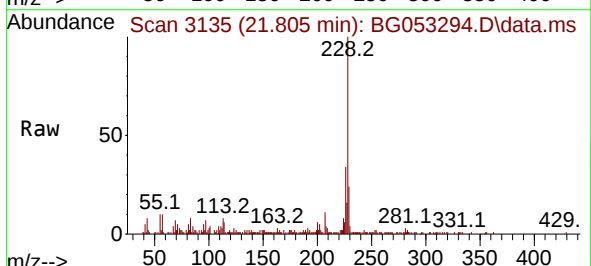
Tgt Ion:228 Resp: 59260

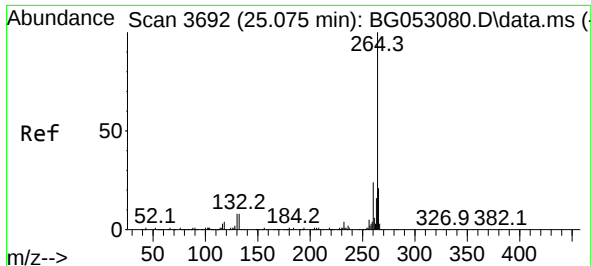
Ion Ratio Lower Upper

228 100

226 34.2 24.2 36.4

229 23.9 16.3 24.5

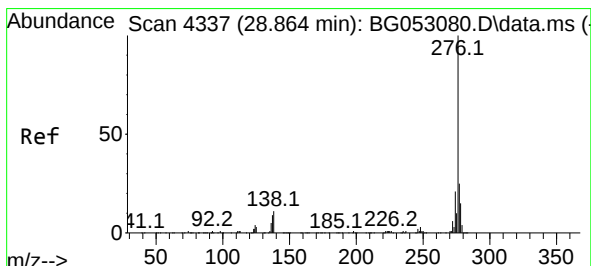
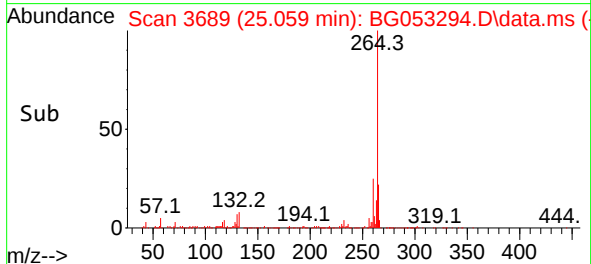
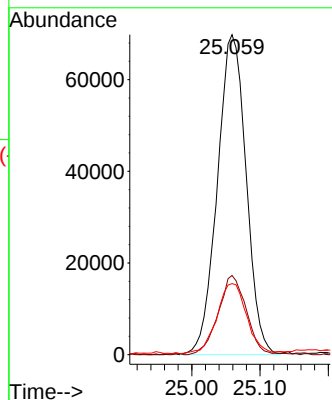
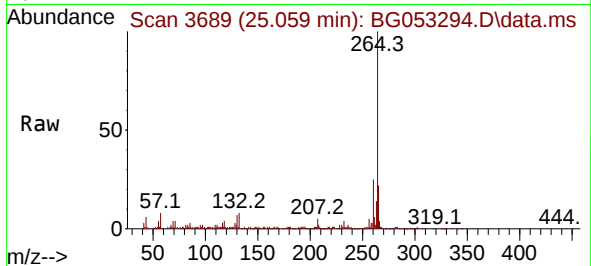




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.059 min Scan# 30
Delta R.T. -0.002 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

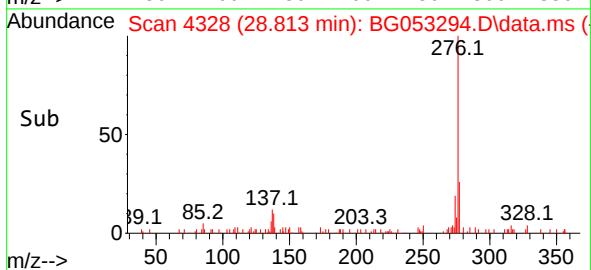
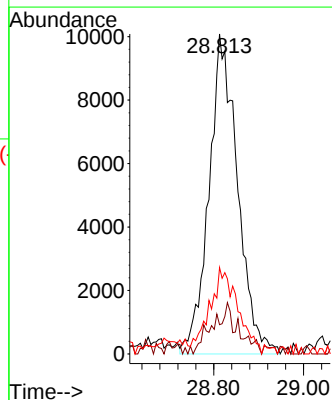
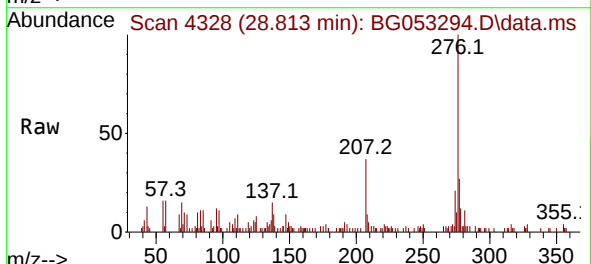
Instrument :
BNA_G
ClientSampleId :
279

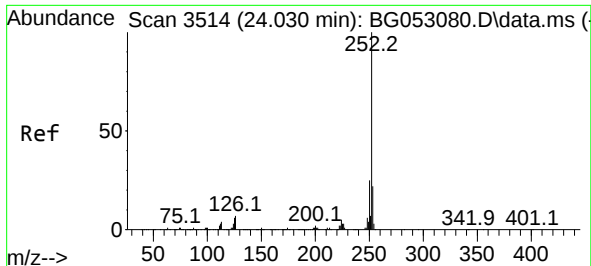
Tgt Ion:264 Resp: 204932
Ion Ratio Lower Upper
264 100
260 24.8 18.2 27.2
265 22.2 15.1 22.7



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.935 ng
RT: 28.813 min Scan# 4328
Delta R.T. -0.037 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:276 Resp: 44688
Ion Ratio Lower Upper
276 100
138 1.3 8.7 13.1#
277 26.6 20.2 30.4

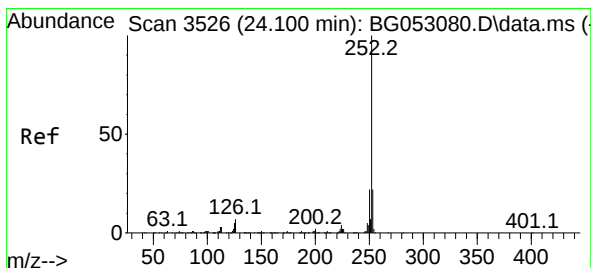
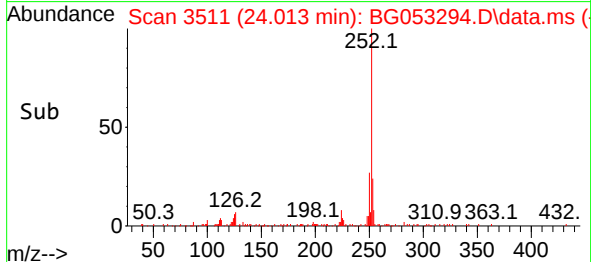
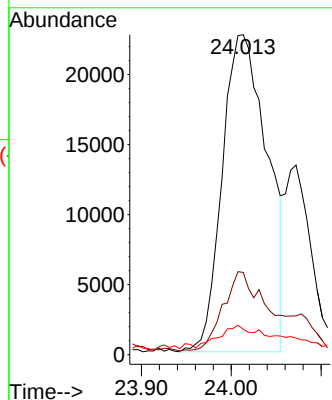
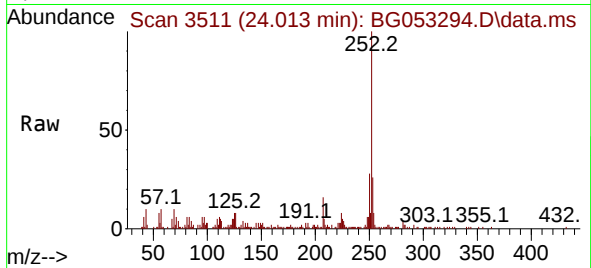




#88
Benzo(b)fluoranthene
Concen: 6.110 ng
RT: 24.013 min Scan# 3511
Delta R.T. -0.008 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

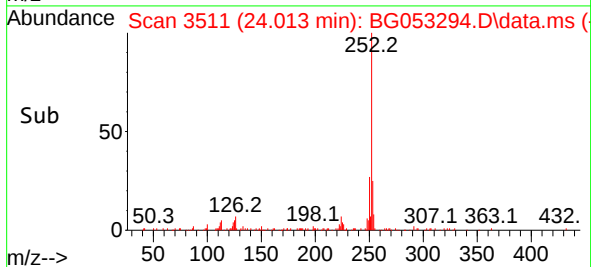
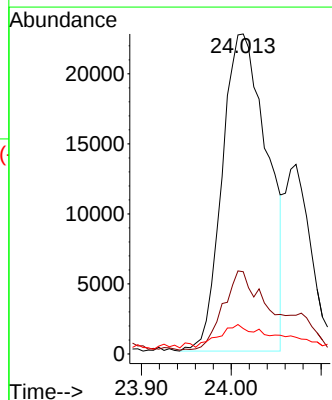
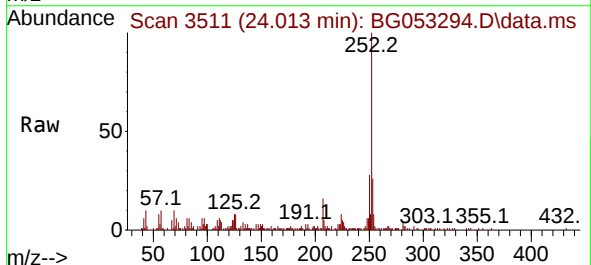
Instrument :
BNA_G
ClientSampleId :
279

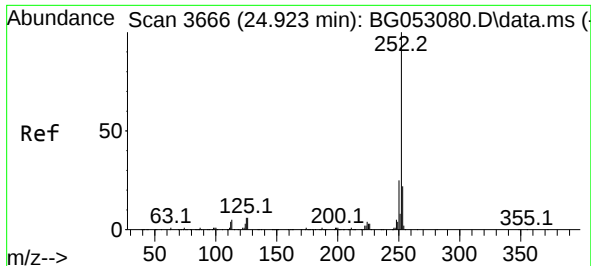
Tgt Ion:252 Resp: 79007
Ion Ratio Lower Upper
252 100
253 25.7 17.2 25.8
125 8.0 5.2 7.8#



#89
Benzo(k)fluoranthene
Concen: 6.217 ng
RT: 24.013 min Scan# 3511
Delta R.T. -0.073 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:252 Resp: 79007
Ion Ratio Lower Upper
252 100
253 25.7 17.4 26.0
125 8.0 5.0 7.4#

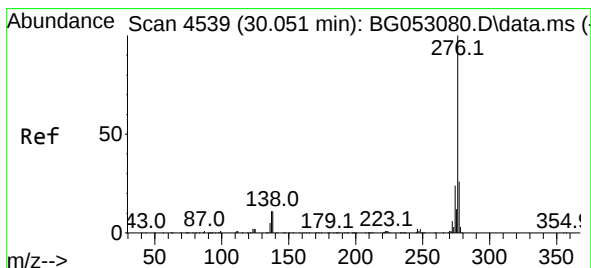
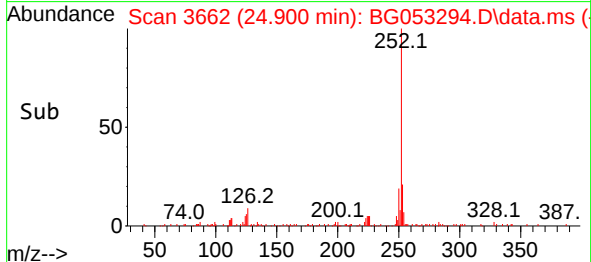
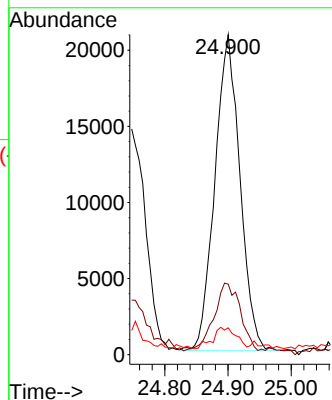
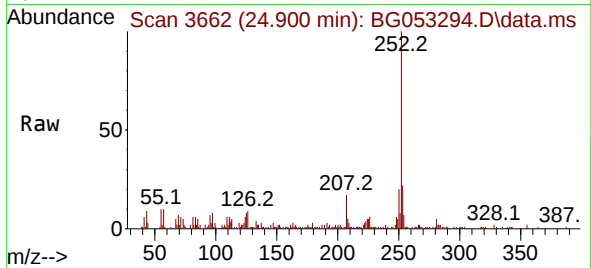




#90
Benzo(a)pyrene
Concen: 5.184 ng
RT: 24.900 min Scan# 3662
Delta R.T. -0.014 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Instrument :
BNA_G
ClientSampleId :
279

Tgt Ion:252 Resp: 57104
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 8.4 5.6 8.4



#92
Benzo(g,h,i)perylene
Concen: 3.440 ng
RT: 29.999 min Scan# 4530
Delta R.T. -0.037 min
Lab File: BG053294.D
Acq: 23 Apr 2022 15:43

Tgt Ion:276 Resp: 42494
Ion Ratio Lower Upper
276 100
277 24.7 18.2 27.2
138 9.6 9.1 13.7

