

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051072.D
 Acq On : 16 Nov 2021 18:35
 Operator : CG/JU
 Sample : M4685-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-111221

Quant Time: Nov 17 00:42:11 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

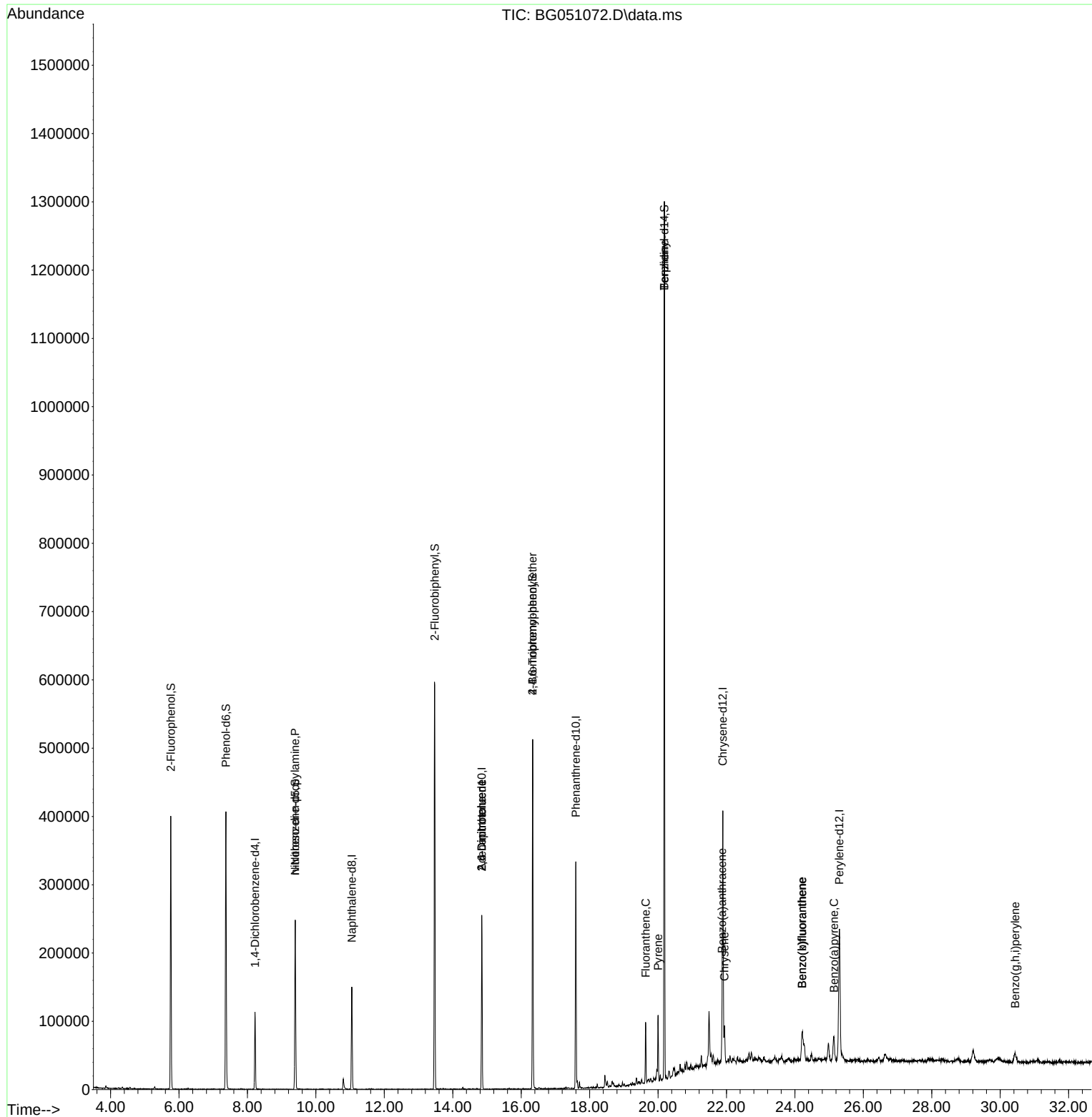
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	31042	20.000	ng	0.00
21) Naphthalene-d8	11.047	136	129736	20.000	ng	# 0.00
39) Acenaphthene-d10	14.848	164	87827	20.000	ng	0.00
64) Phenanthrene-d10	17.598	188	214726	20.000	ng	# 0.00
76) Chrysene-d12	21.893	240	211950	20.000	ng	# 0.00
86) Perylene-d12	25.300	264	208288	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.759	112	174512	84.097	ng	0.00
7) Phenol-d6	7.369	99	233995	79.890	ng	0.00
23) Nitrobenzene-d5	9.396	82	158033	53.922	ng	0.00
42) 2,4,6-Tribromophenol	16.335	330	81851	93.128	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	312615	56.240	ng	0.00
79) Terphenyl-d14	20.183	244	584891	50.494	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.396	70	21707	10.029	ng	# 71
51) 2,6-Dinitrotoluene	14.848	165	11337	7.971	ng	# 11
57) 2,4-Dinitrotoluene	14.848	165	11337	5.618	ng	# 16
67) 4-Bromophenyl-phenylether	16.335	248	6257	2.782	ng	# 1
75) Fluoranthene	19.637	202	54791	3.899	ng	94
77) Benzidine	20.183	184	9932	2.479	ng	# 92
78) Pyrene	20.001	202	59673	3.753	ng	98
81) Benzo(a)anthracene	21.869	228	42656	2.931	ng	100
83) Chrysene	21.940	228	38551	2.808	ng	95
88) Benzo(b)fluoranthene	24.214	252	53394	4.073	ng	# 93
89) Benzo(k)fluoranthene	24.214	252	53394	4.083	ng	# 97
90) Benzo(a)pyrene	25.142	252	39148	3.498	ng	# 96
92) Benzo(g,h,i)perylene	30.436	276	26269	2.193	ng	# 84

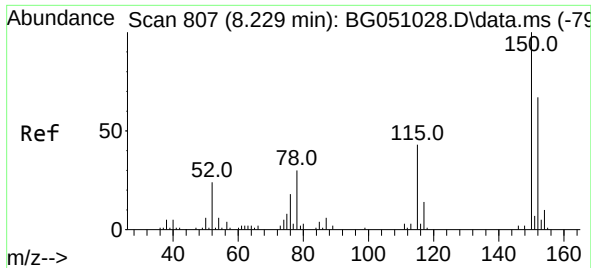
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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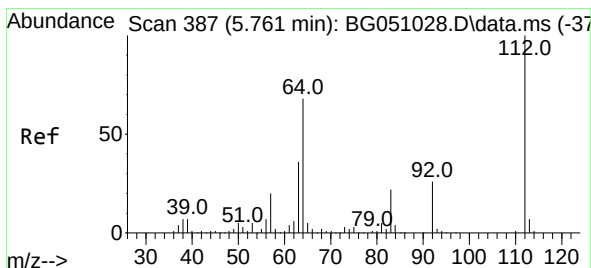
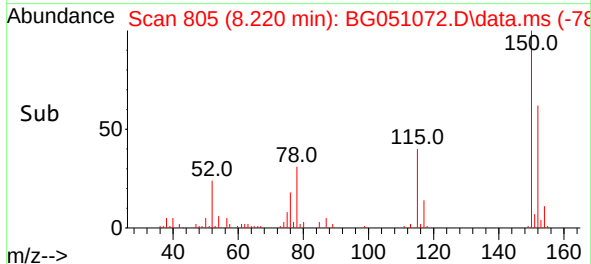
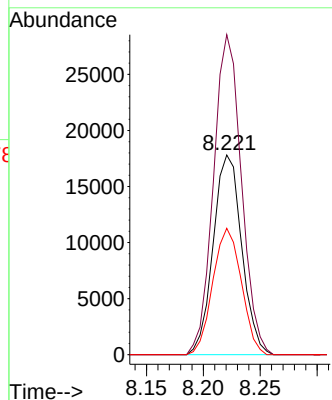
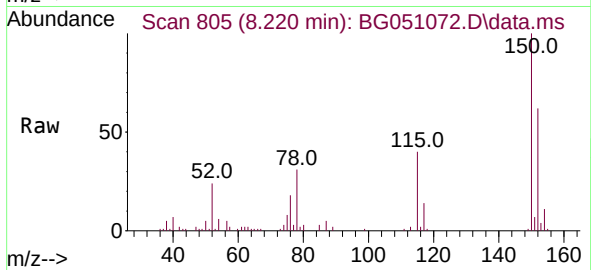




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 80
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

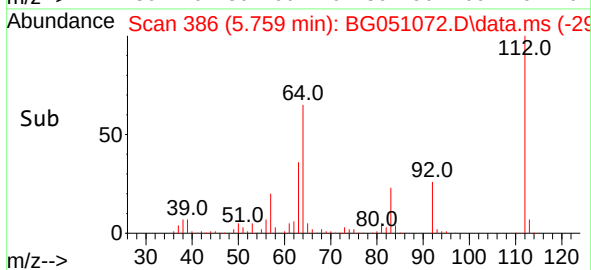
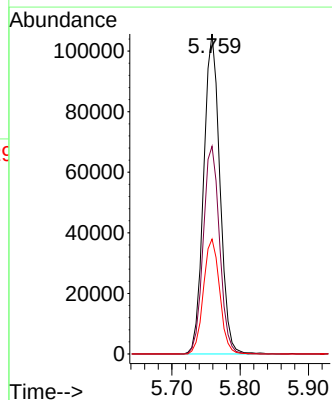
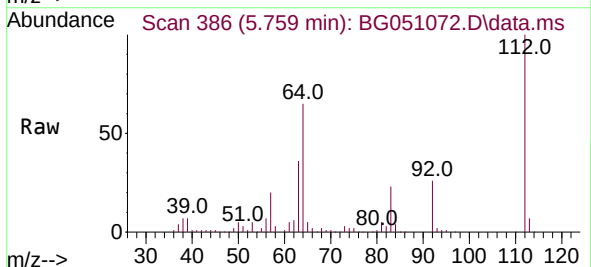
Instrument :
BNA_G
ClientSampleId :
OK-01-111221

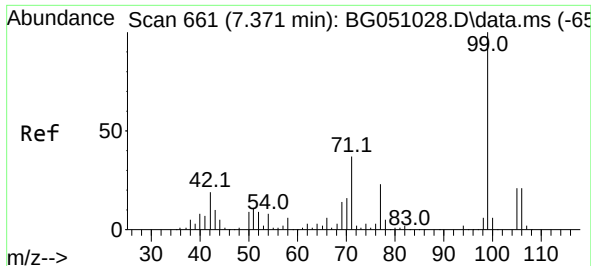
Tgt Ion:152 Resp: 31042
Ion Ratio Lower Upper
152 100
150 160.3 119.4 179.0
115 63.3 60.2 90.4



#5
2-Fluorophenol
Concen: 84.097 ng
RT: 5.759 min Scan# 386
Delta R.T. -0.002 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion:112 Resp: 174512
Ion Ratio Lower Upper
112 100
64 64.9 46.7 70.1
63 35.9 35.3 52.9

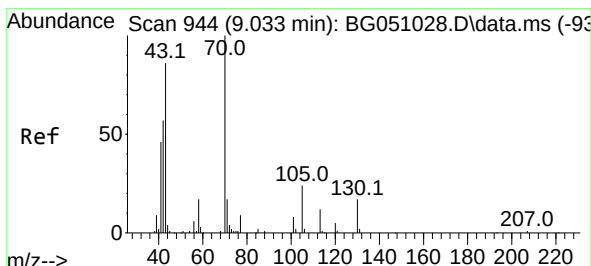
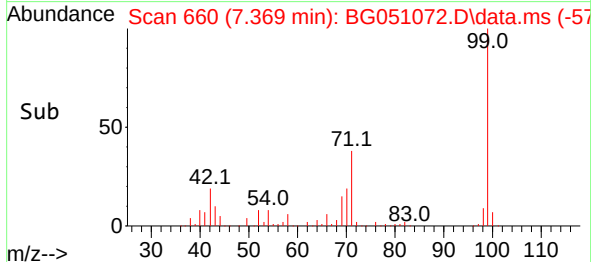
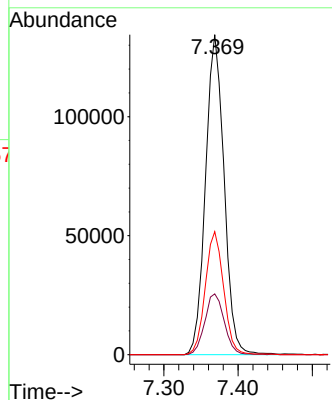
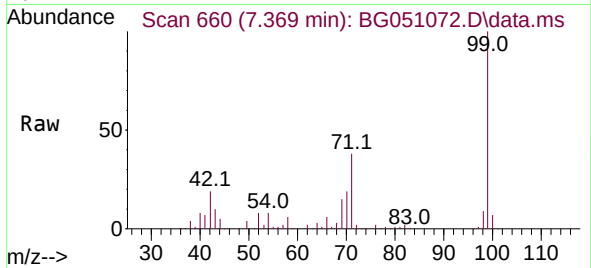




#7
Phenol-d6
Concen: 79.890 ng
RT: 7.369 min Scan# 60
Delta R.T. -0.002 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

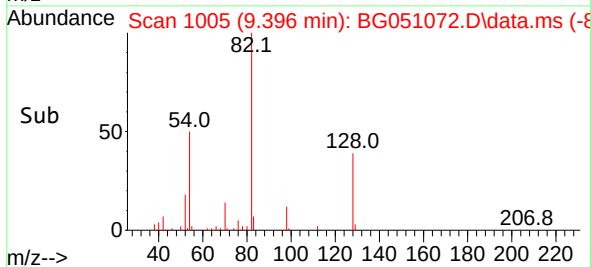
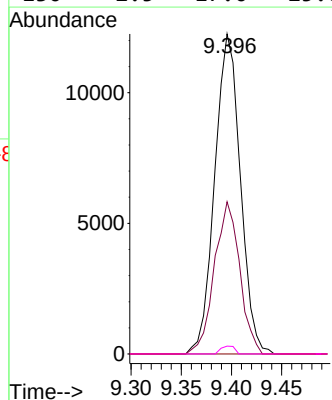
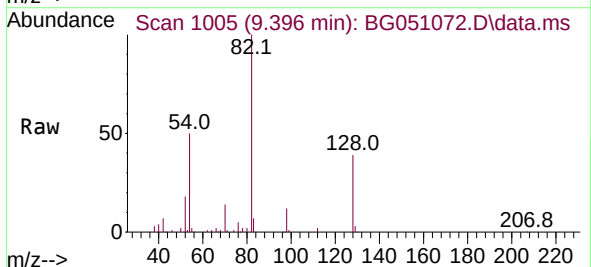
Instrument :
BNA_G
ClientSampleId :
OK-01-111221

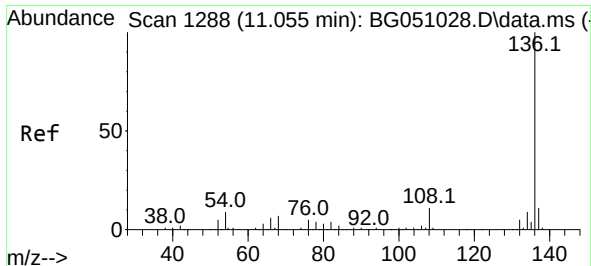
Tgt Ion: 99 Resp: 233995
Ion Ratio Lower Upper
99 100
42 19.0 20.5 30.7#
71 38.4 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 10.029 ng
RT: 9.396 min Scan# 1005
Delta R.T. 0.362 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion: 70 Resp: 21707
Ion Ratio Lower Upper
70 100
42 47.5 54.5 81.7#
101 0.0 9.0 13.6#
130 2.5 17.0 25.6#

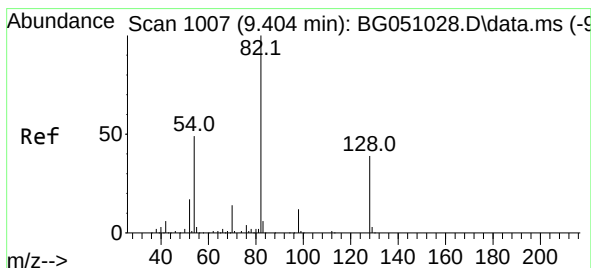
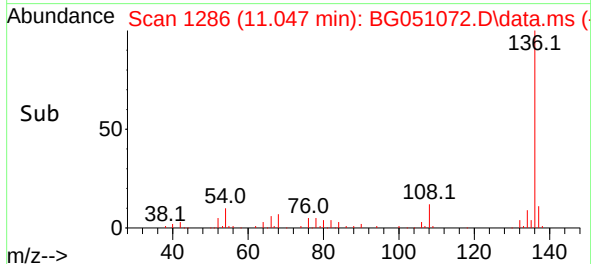
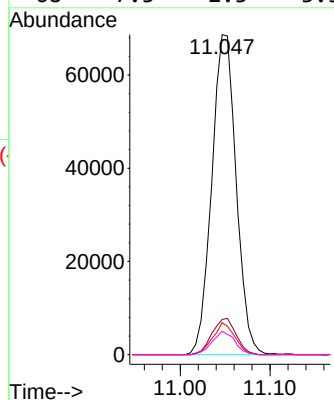
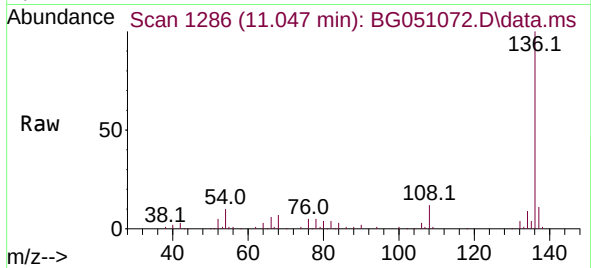




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.047 min Scan# 1105
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

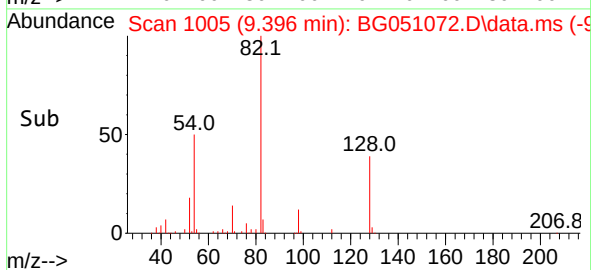
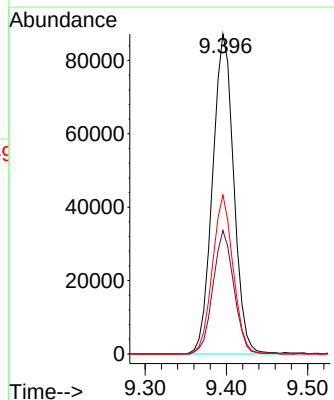
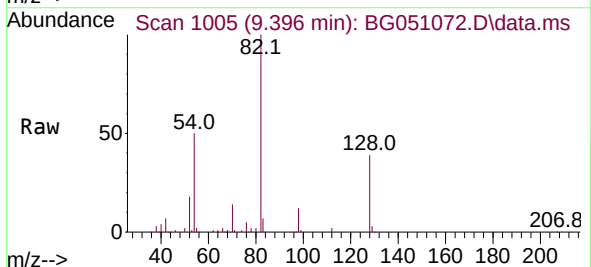
Instrument :
BNA_G
ClientSampleId :
OK-01-111221

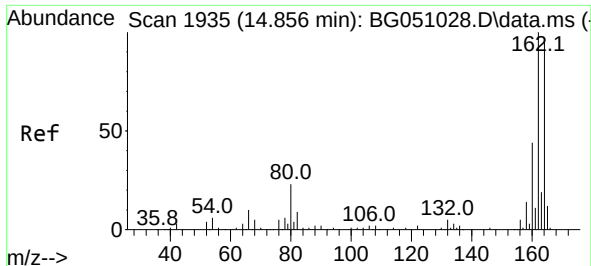
Tgt Ion:136	Resp:	129736
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.2 12.2
54	10.0	5.5 8.3#
68	7.3	2.3 3.5#



#23
Nitrobenzene-d5
Concen: 53.922 ng
RT: 9.396 min Scan# 1005
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion: 82	Resp:	158033
Ion Ratio	Lower	Upper
82	100	
128	38.6	29.8 44.6
54	49.7	45.8 68.8

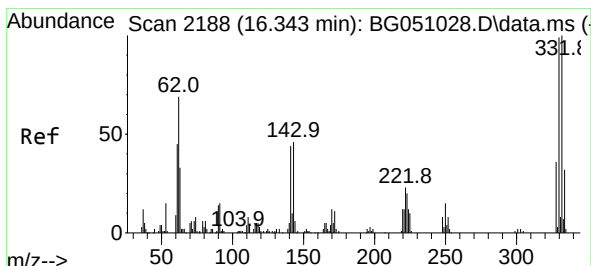
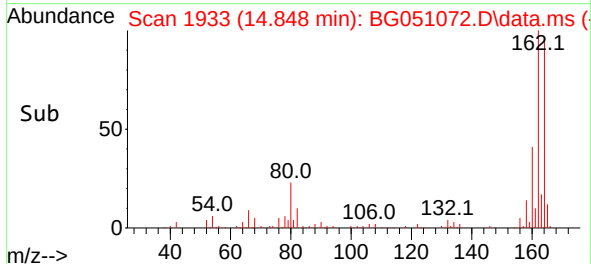
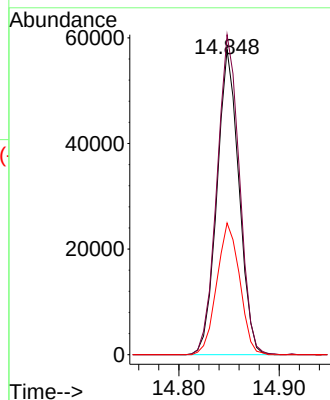
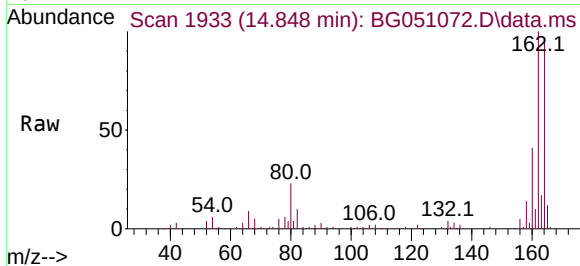




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.848 min Scan# 1933
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

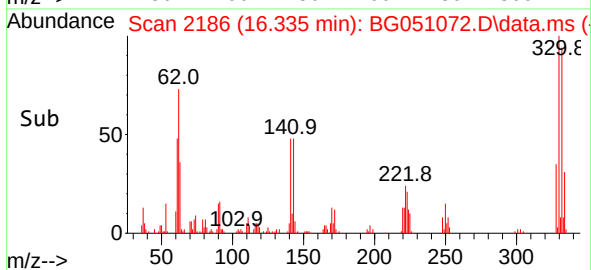
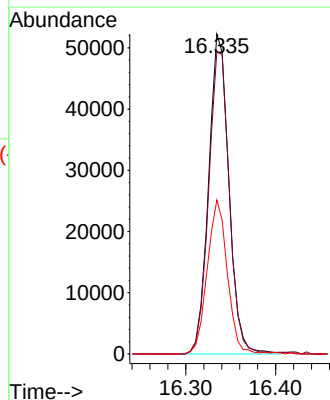
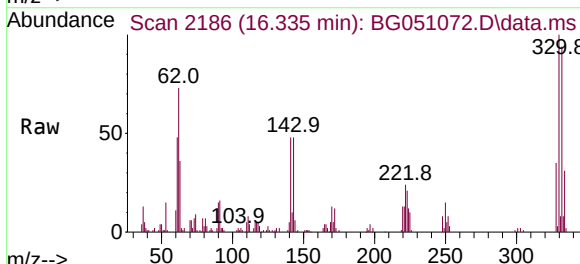
Instrument :
BNA_G
ClientSampleId :
OK-01-111221

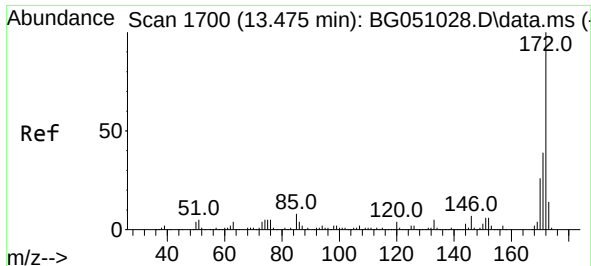
Tgt Ion:164	Resp:	87827
Ion Ratio	Lower	Upper
164	100	
162	104.9	81.4 122.0
160	43.1	34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 93.128 ng
RT: 16.335 min Scan# 2186
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion:330	Resp:	81851
Ion Ratio	Lower	Upper
330	100	
332	96.7	77.3 115.9
141	47.8	35.6 53.4

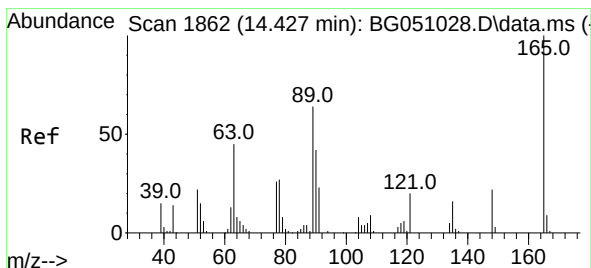
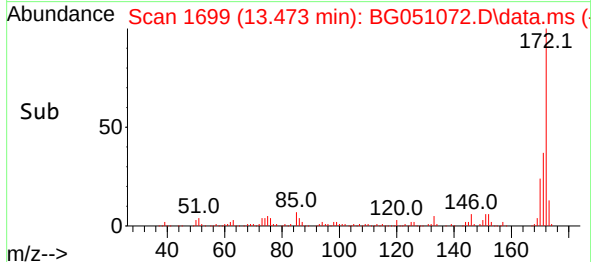
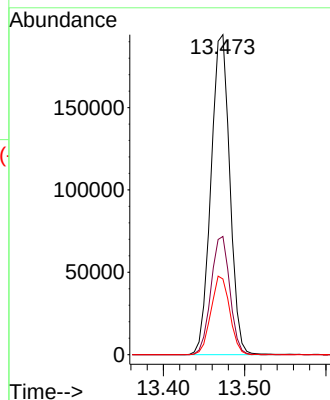
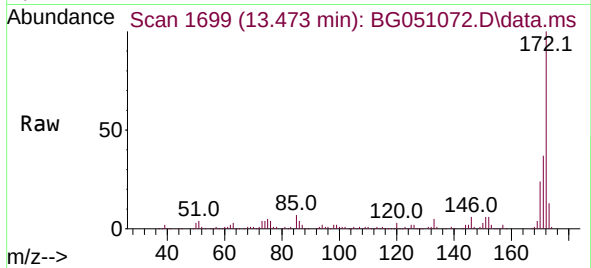




#45
2-Fluorobiphenyl
Concen: 56.240 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

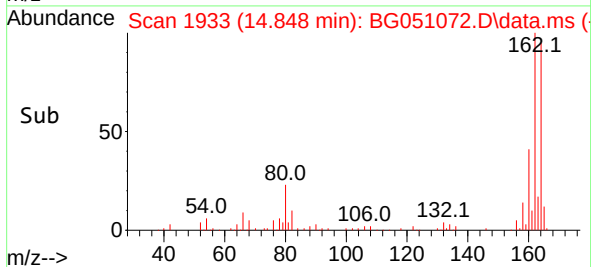
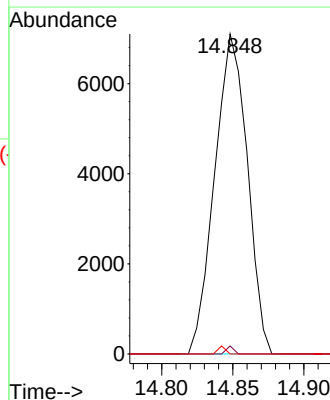
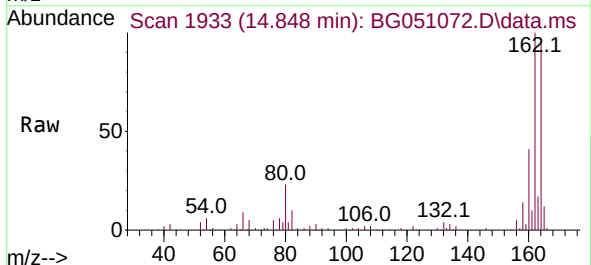
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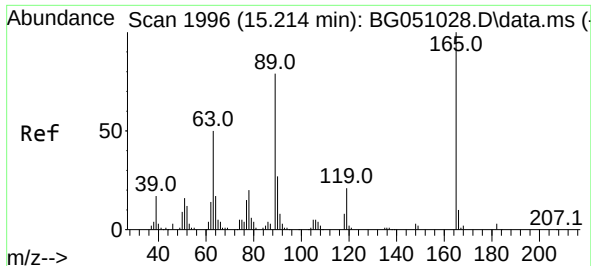
Tgt Ion:172 Resp: 312615
Ion Ratio Lower Upper
172 100
171 36.9 28.6 43.0
170 23.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.971 ng
RT: 14.848 min Scan# 1933
Delta R.T. 0.421 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion:165 Resp: 11337
Ion Ratio Lower Upper
165 100
63 2.5 63.3 94.9#
89 0.0 63.4 95.0#





#57

2,4-Dinitrotoluene

Concen: 5.618 ng

RT: 14.848 min Scan# 1996

Delta R.T. -0.366 min

Lab File: BG051072.D

Acq: 16 Nov 2021 18:35

Instrument :

BNA_G

ClientSampleId :

OK-01-111221

Tgt Ion:165 Resp: 11337

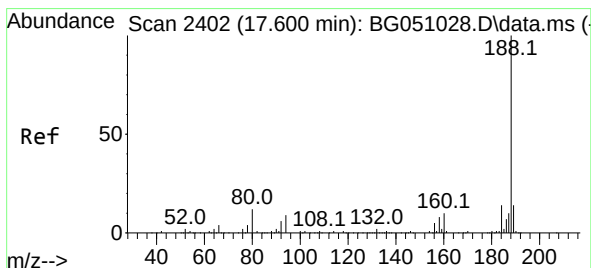
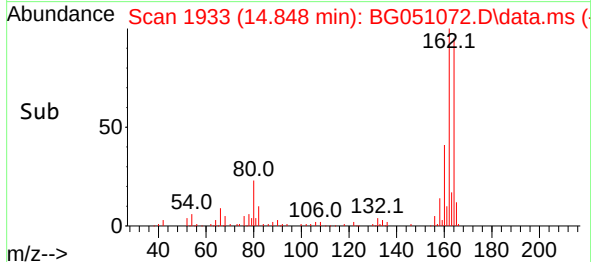
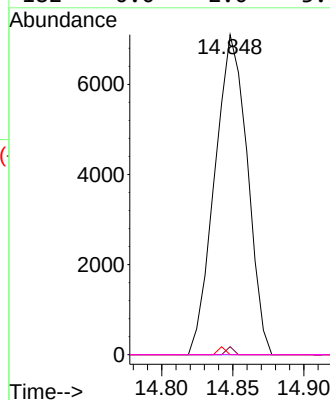
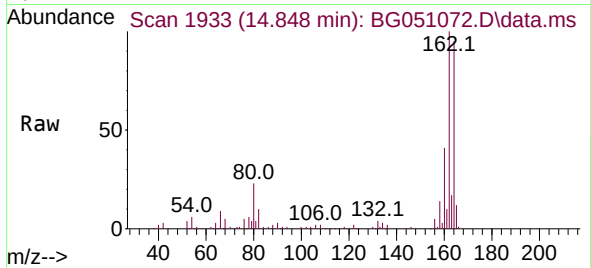
Ion Ratio Lower Upper

165 100

63 2.5 48.0 72.0#

89 0.0 65.4 98.0#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.598 min Scan# 2401

Delta R.T. -0.002 min

Lab File: BG051072.D

Acq: 16 Nov 2021 18:35

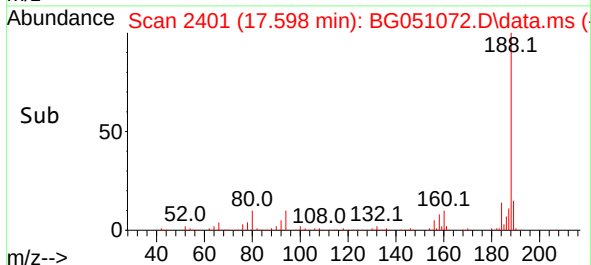
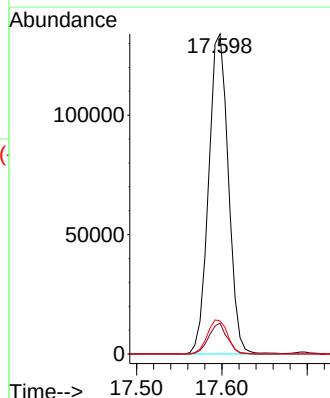
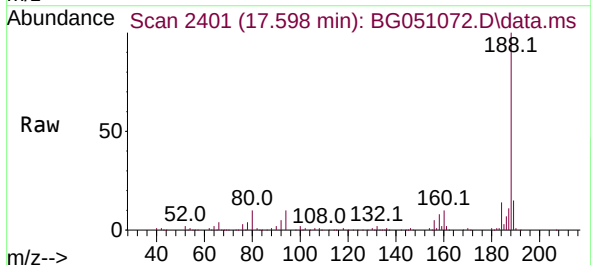
Tgt Ion:188 Resp: 214726

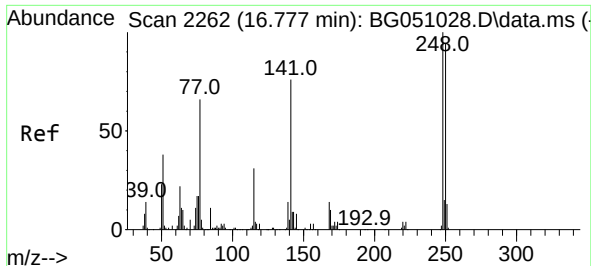
Ion Ratio Lower Upper

188 100

94 9.6 5.4 8.0#

80 10.3 3.7 5.5#

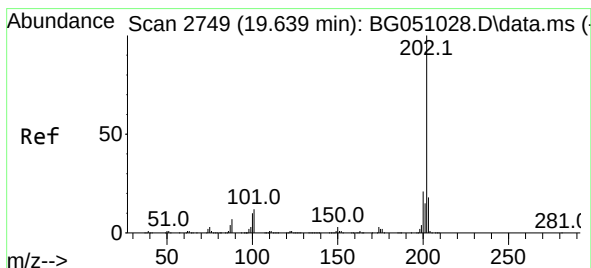
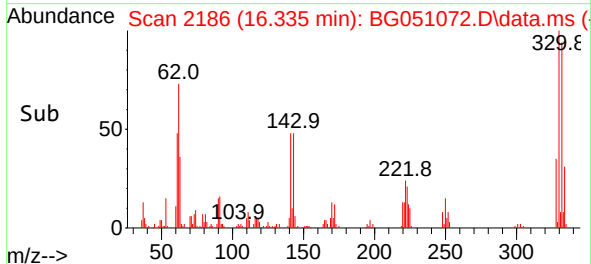
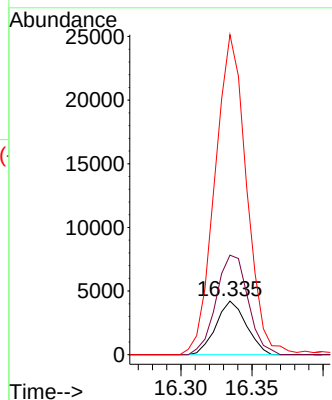
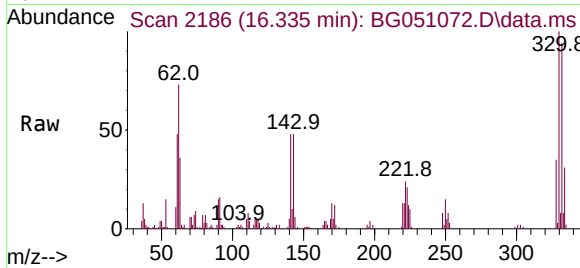




#67
4-Bromophenyl-phenylether
Concen: 2.782 ng
RT: 16.335 min Scan# 2186
Delta R.T. -0.443 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

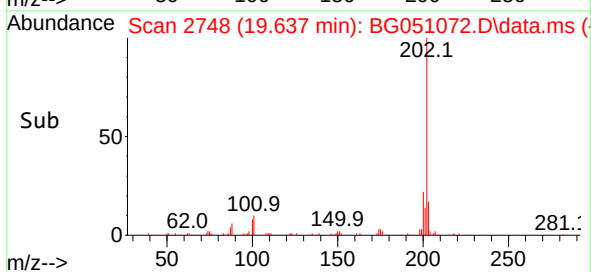
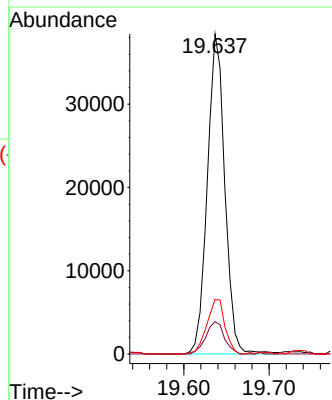
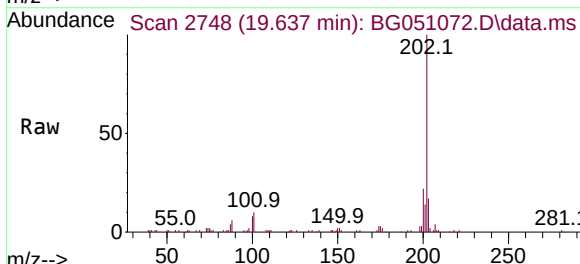
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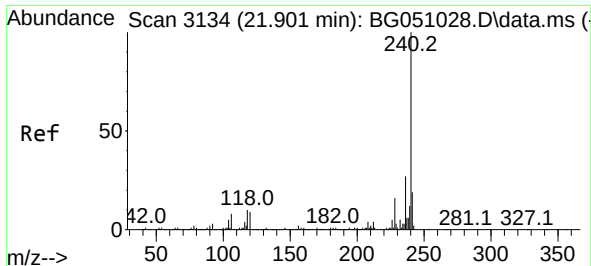
Tgt Ion:248 Resp: 6257
Ion Ratio Lower Upper
248 100
250 185.9 76.1 114.1#
141 597.7 65.4 98.2#



#75
Fluoranthene
Concen: 3.899 ng
RT: 19.637 min Scan# 2748
Delta R.T. -0.002 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion:202 Resp: 54791
Ion Ratio Lower Upper
202 100
101 10.1 0.0 24.7
203 17.0 0.0 38.5

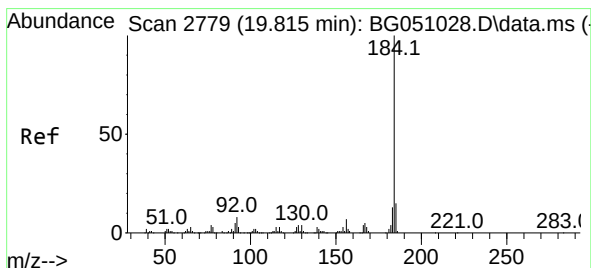
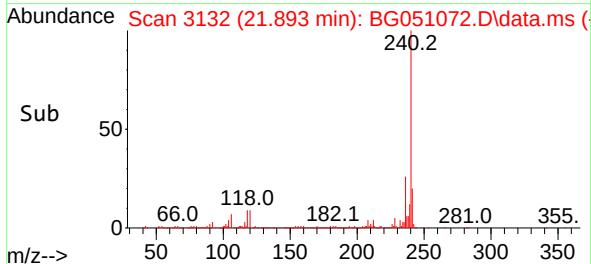
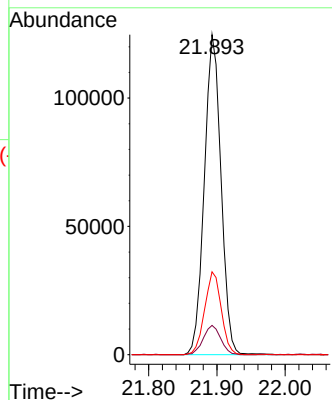
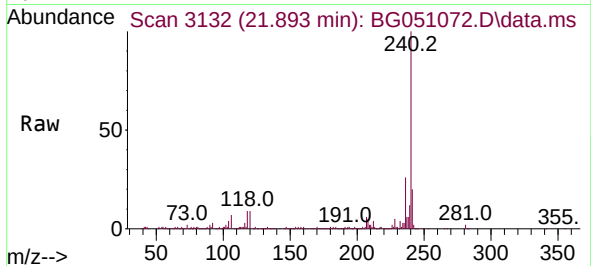




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.893 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

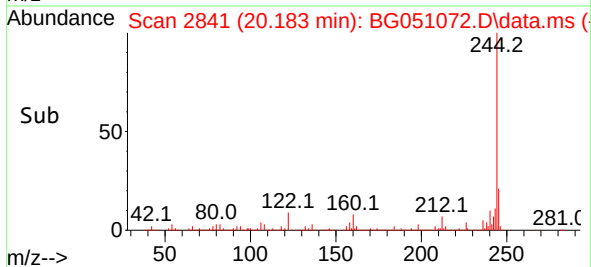
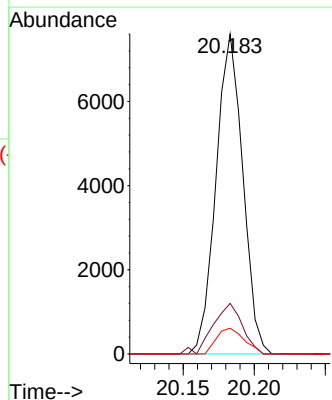
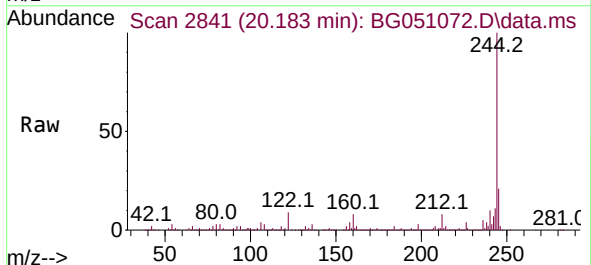
Instrument :
BNA_G
ClientSampleId :
OK-01-111221

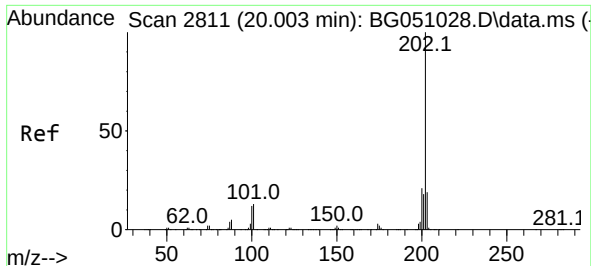
Tgt Ion:240 Resp: 211950
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 25.9 21.8 32.6



#77
Benidine
Concen: 2.479 ng
RT: 20.183 min Scan# 2841
Delta R.T. 0.368 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion:184 Resp: 9932
Ion Ratio Lower Upper
184 100
185 15.8 10.7 16.1
183 8.0 9.4 14.0#

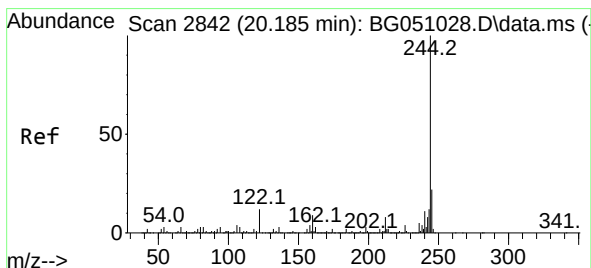
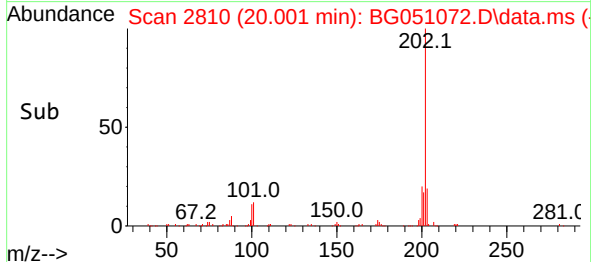
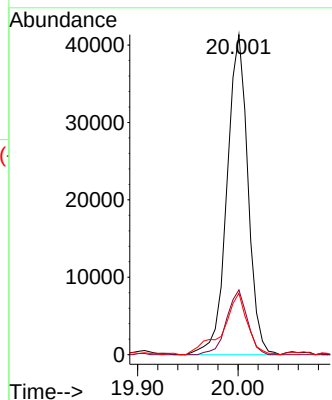
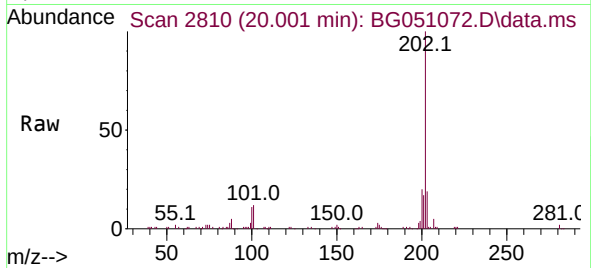




#78
 Pyrene
 Concen: 3.753 ng
 RT: 20.001 min Scan# 2811
 Delta R.T. -0.002 min
 Lab File: BG051072.D
 Acq: 16 Nov 2021 18:35

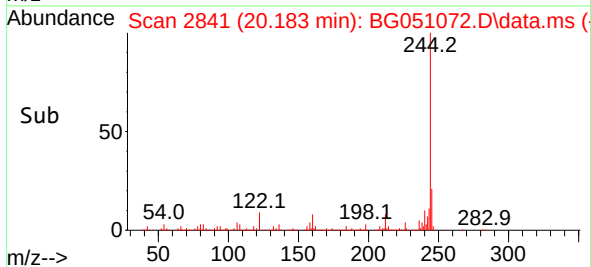
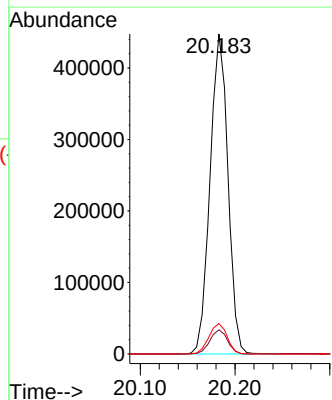
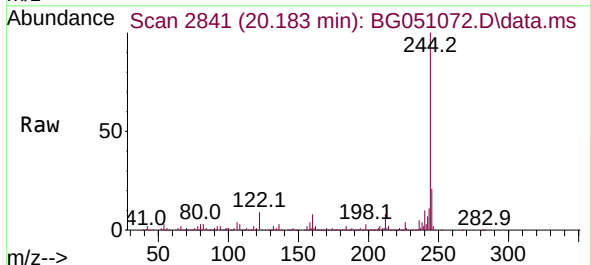
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-111221

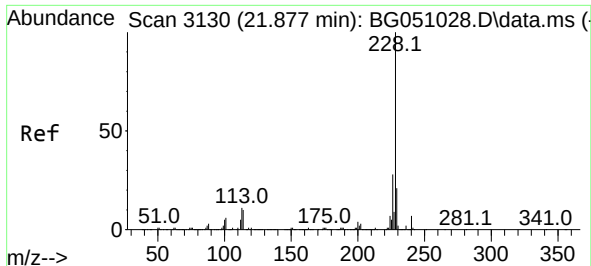
Tgt Ion:	202	Resp:	59673
Ion Ratio	Lower	Upper	
202	100		
200	20.2	15.8	23.8
203	19.2	14.6	21.8



#79
 Terphenyl-d14
 Concen: 50.494 ng
 RT: 20.183 min Scan# 2841
 Delta R.T. -0.002 min
 Lab File: BG051072.D
 Acq: 16 Nov 2021 18:35

Tgt Ion:	244	Resp:	584891
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.9	10.3
122	9.5	5.0	7.6#

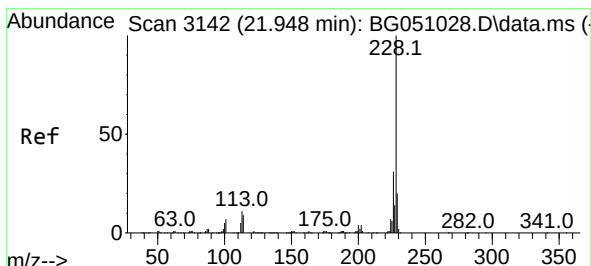
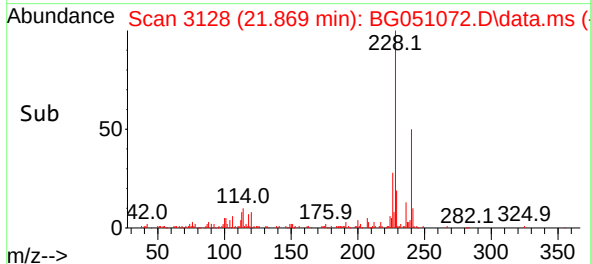
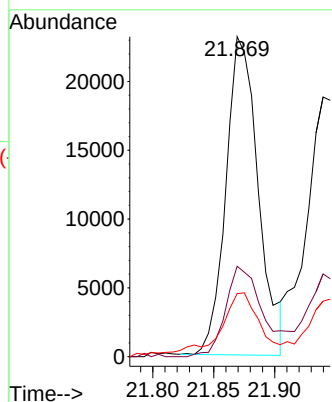
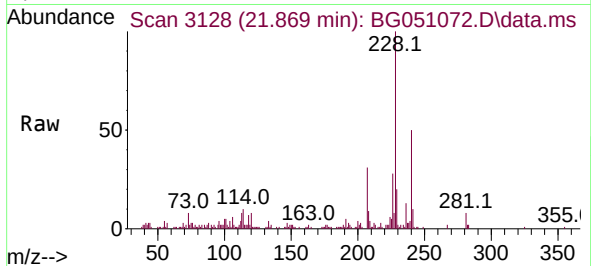




#81
Benzo(a)anthracene
Concen: 2.931 ng
RT: 21.869 min Scan# 3130
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

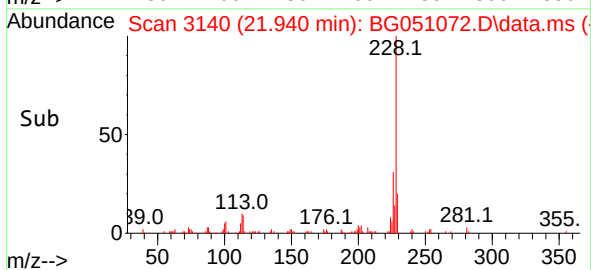
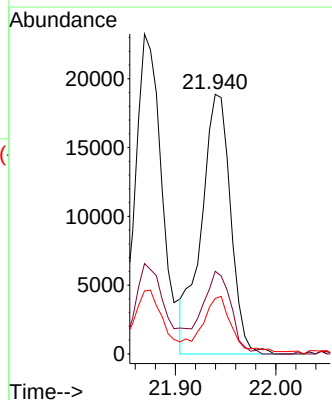
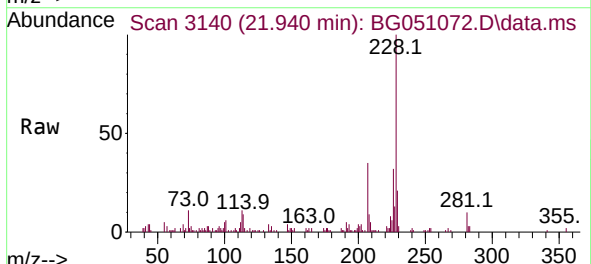
Instrument :
BNA_G
ClientSampleId :
OK-01-111221

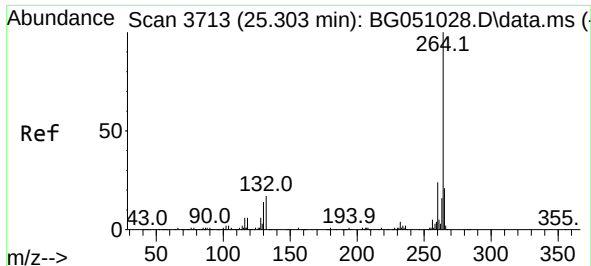
Tgt Ion:228 Resp: 42656
Ion Ratio Lower Upper
228 100
226 28.2 22.7 34.1
229 19.7 16.0 24.0



#83
Chrysene
Concen: 2.808 ng
RT: 21.940 min Scan# 3140
Delta R.T. -0.008 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion:228 Resp: 38551
Ion Ratio Lower Upper
228 100
226 31.8 23.1 34.7
229 21.4 15.3 22.9

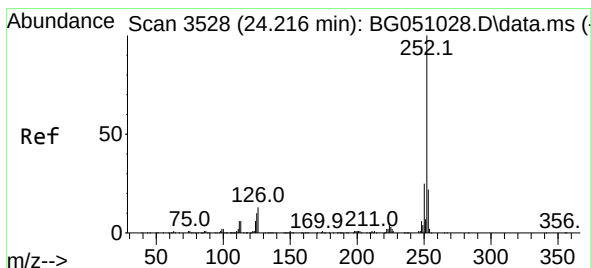
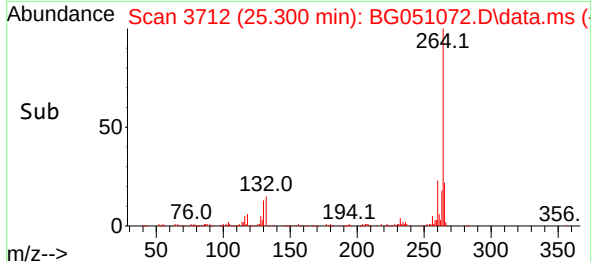
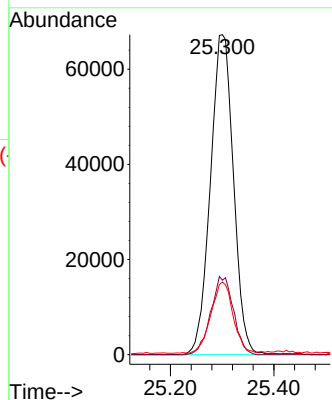
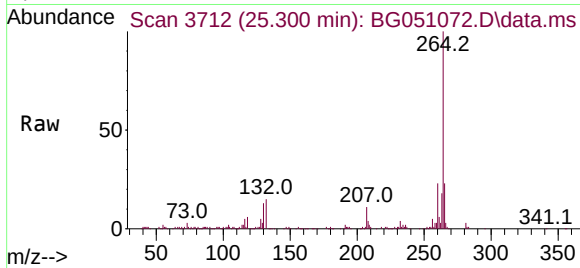




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.300 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

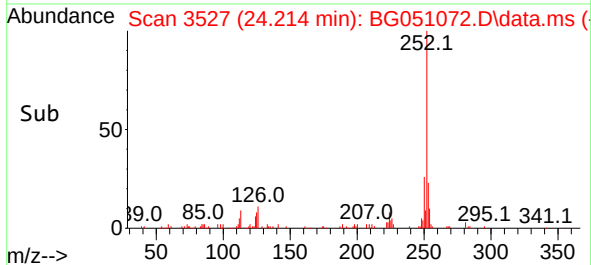
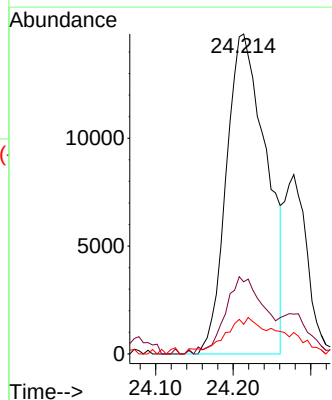
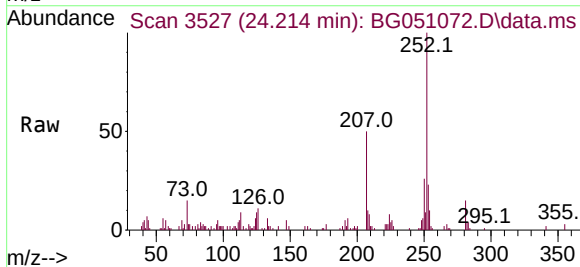
Instrument :
BNA_G
ClientSampleId :
OK-01-111221

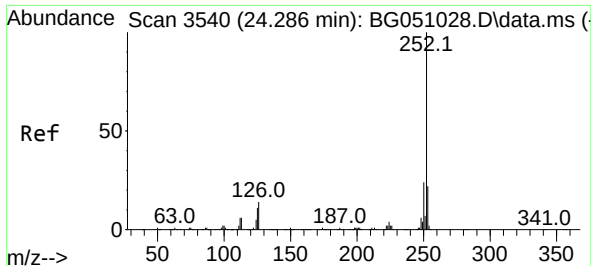
Tgt Ion:264 Resp: 208288
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 22.7 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 4.073 ng
RT: 24.214 min Scan# 3527
Delta R.T. -0.002 min
Lab File: BG051072.D
Acq: 16 Nov 2021 18:35

Tgt Ion:252 Resp: 53394
Ion Ratio Lower Upper
252 100
253 22.6 16.2 24.4
125 9.2 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 4.083 ng

RT: 24.214 min Scan# 3

Delta R.T. -0.073 min

Lab File: BG051072.D

Acq: 16 Nov 2021 18:35

Instrument :

BNA_G

ClientSampleId :

OK-01-111221

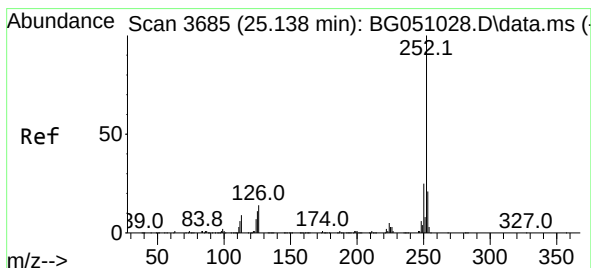
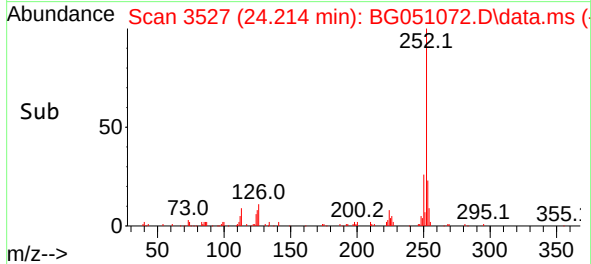
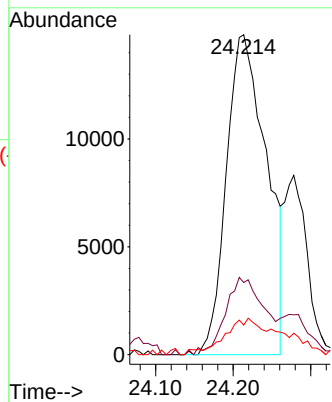
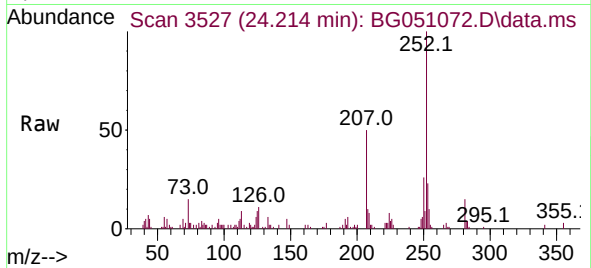
Tgt Ion:252 Resp: 53394

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 9.2 3.1 4.7#



#90

Benzo(a)pyrene

Concen: 3.498 ng

RT: 25.142 min Scan# 3685

Delta R.T. 0.004 min

Lab File: BG051072.D

Acq: 16 Nov 2021 18:35

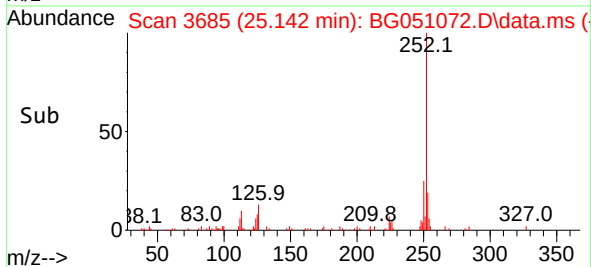
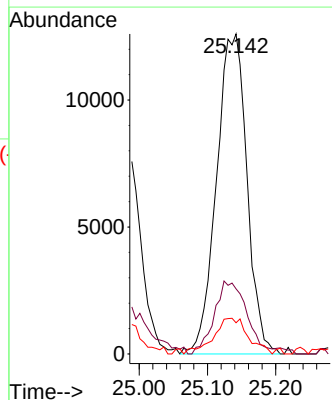
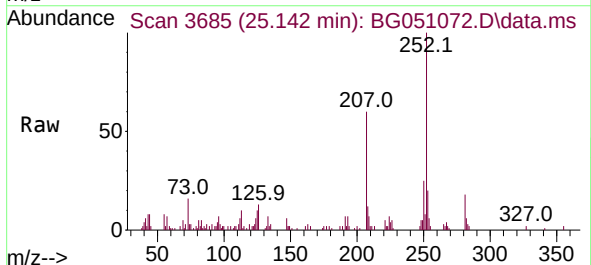
Tgt Ion:252 Resp: 39148

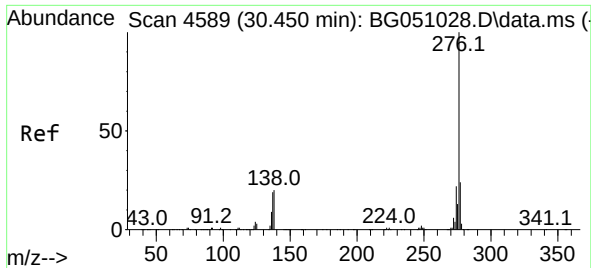
Ion Ratio Lower Upper

252 100

253 20.3 16.6 25.0

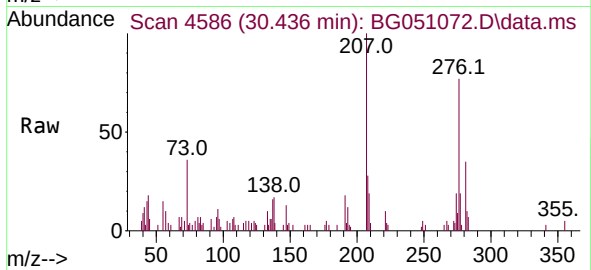
125 9.8 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 2.193 ng
 RT: 30.436 min Scan# 4
 Delta R.T. -0.014 min
 Lab File: BG051072.D
 Acq: 16 Nov 2021 18:35

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-111221



Tgt Ion:276 Resp: 26269
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.4 27.6
 138 27.5 7.0 10.6#

