

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070621\
 Data File : BG049183.D
 Acq On : 6 Jul 2021 11:48
 Operator : CG/JU
 Sample : M2913-13DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D-4300DL

Quant Time: Jul 06 12:26:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 06 10:59:02 2021
 Response via : Initial Calibration

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

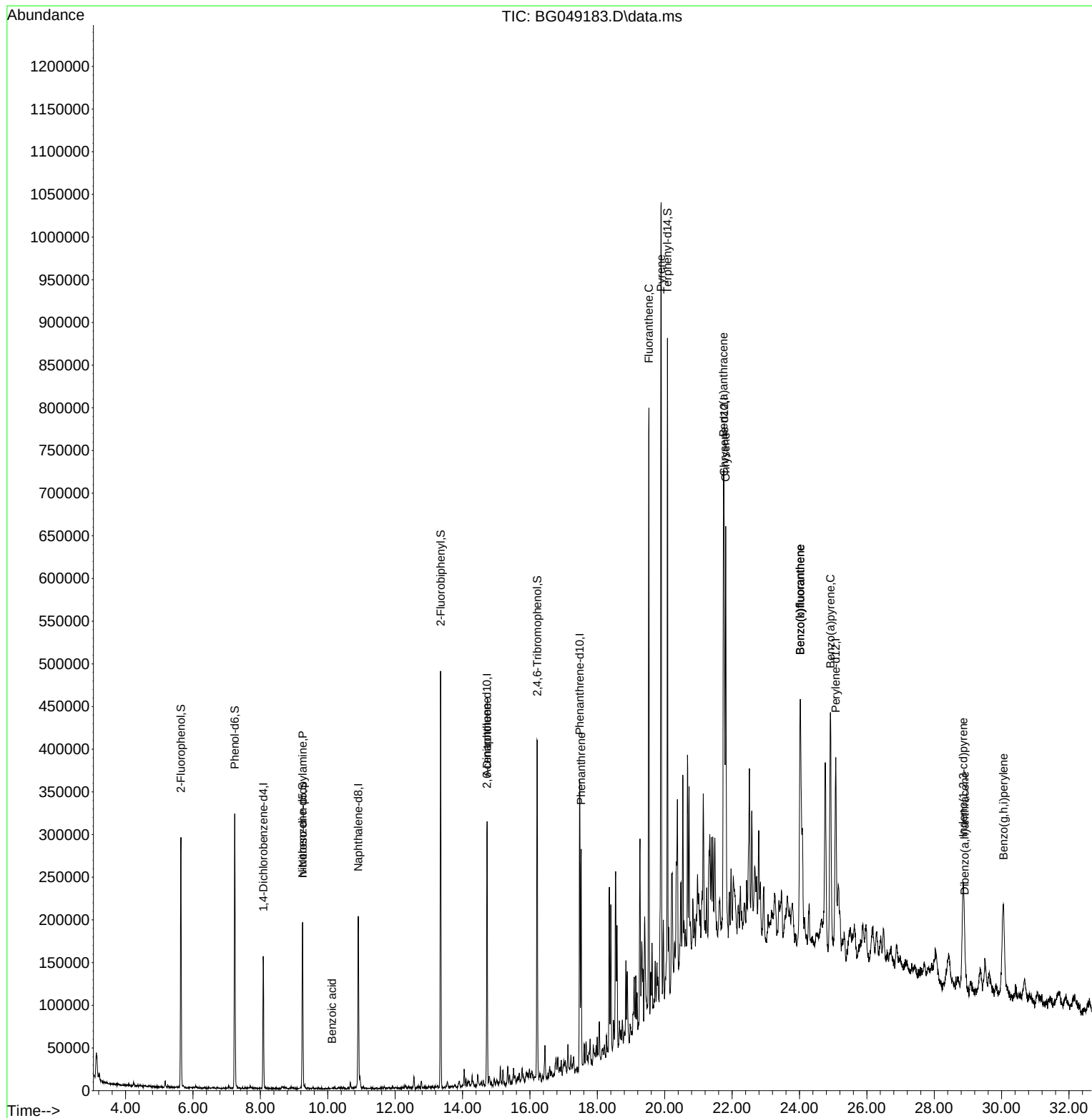
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.084	152	42012	20.000	ng	0.00
21) Naphthalene-d8	10.905	136	163556	20.000	ng	# 0.00
39) Acenaphthene-d10	14.730	164	109547	20.000	ng	0.00
64) Phenanthrene-d10	17.473	188	222726	20.000	ng	# 0.00
76) Chrysene-d12	21.763	240	216716	20.000	ng	0.00
86) Perylene-d12	25.076	264	229638	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	120824	45.045	ng	0.00
7) Phenol-d6	7.238	99	159893	41.811	ng	0.00
23) Nitrobenzene-d5	9.248	82	119008	30.850	ng	0.00
42) 2,4,6-Tribromophenol	16.216	330	77420	40.768	ng	0.00
45) 2-Fluorobiphenyl	13.349	172	250744	30.881	ng	0.00
79) Terphenyl-d14	20.082	244	333727	26.094	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.254	70	17469	6.356	ng	# 71
32) Benzoic acid	10.123	122	267	6.391	ng	# 79
51) 2,6-Dinitrotoluene	14.724	165	15029	7.457	ng	# 13
71) Phenanthrene	17.520	178	162146	12.643	ng	96
75) Fluoranthene	19.530	202	432328	26.926	ng	99
78) Pyrene	19.894	202	633783	39.374	ng	96
81) Benzo(a)anthracene	21.745	228	295187	18.262	ng	96
83) Chrysene	21.810	228	352616	22.962	ng	95
87) Indeno(1,2,3-cd)pyrene	28.860	276	238787	13.032	ng	# 97
88) Benzo(b)fluoranthene	24.025	252	405345	24.461	ng	# 93
89) Benzo(k)fluoranthene	24.025	252	405345	25.640	ng	# 98
90) Benzo(a)pyrene	24.918	252	349116	22.838	ng	# 96
91) Dibenzo(a,h)anthracene	28.907	278	63854	4.129	ng	# 90
92) Benzo(g,h,i)perylene	30.053	276	258940	16.985	ng	# 93

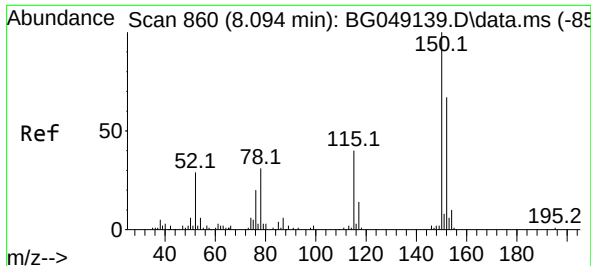
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 06 10:59:02 2021
Response via : Initial Calibration

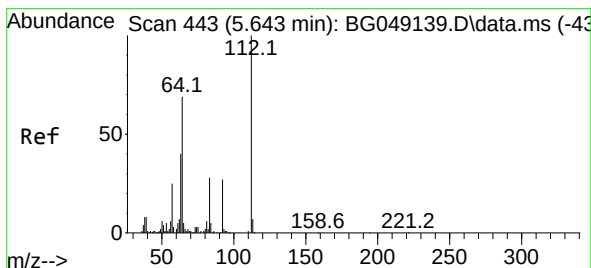
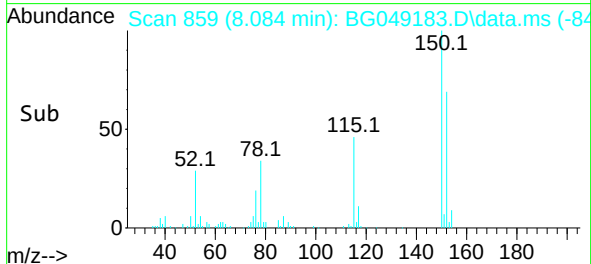
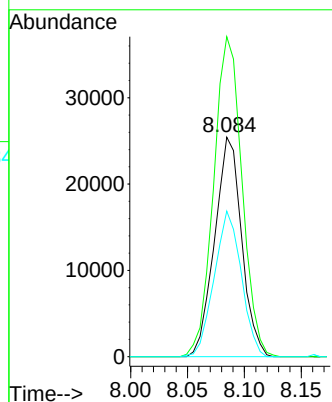
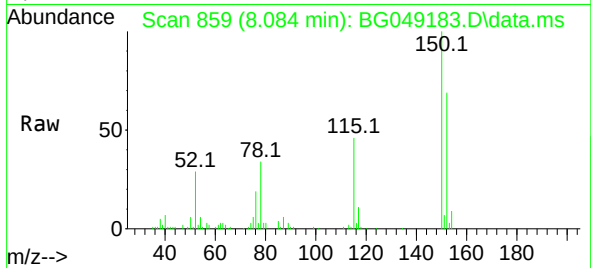




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.084 min Scan# 859
Delta R.T. -0.007 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

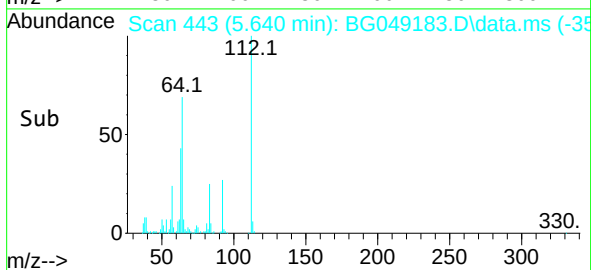
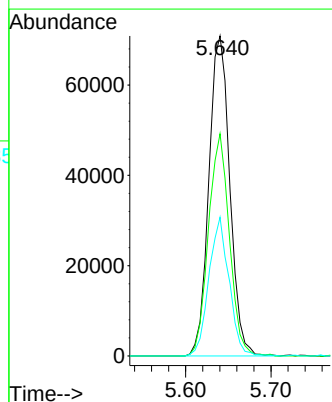
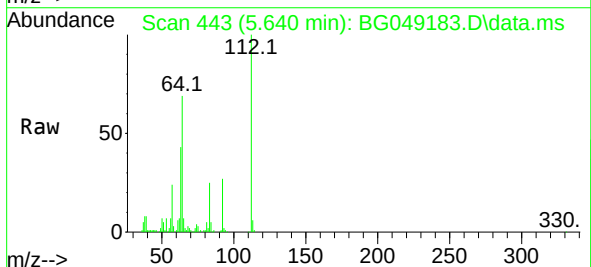
Instrument :
BNA_G
ClientSampleId :
D-4300DL

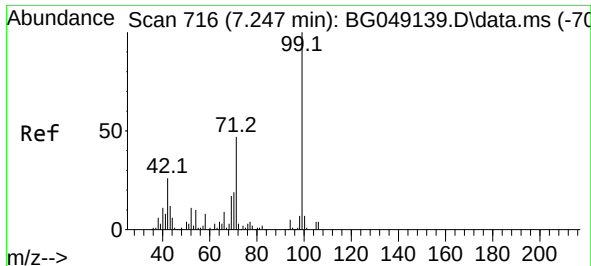
Tgt Ion:152 Resp: 42012
Ion Ratio Lower Upper
152 100
150 145.8 119.4 179.0
115 66.3 60.2 90.4



#5
2-Fluorophenol
Concen: 45.045 ng
RT: 5.640 min Scan# 443
Delta R.T. 0.006 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Tgt Ion:112 Resp: 120824
Ion Ratio Lower Upper
112 100
64 69.5 46.7 70.1
63 43.4 35.3 52.9

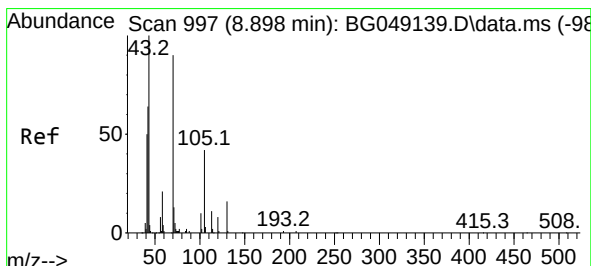
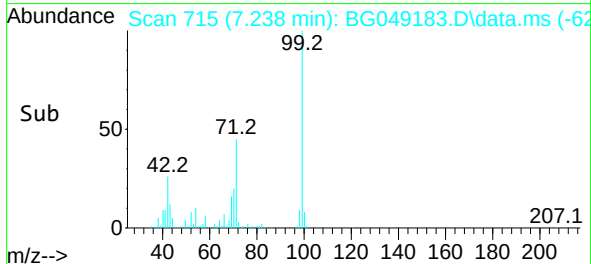
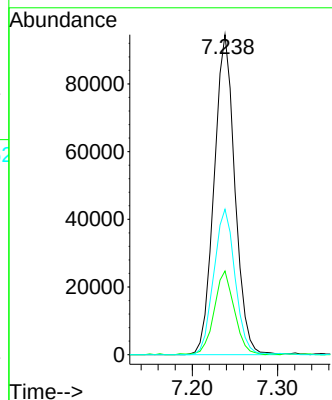
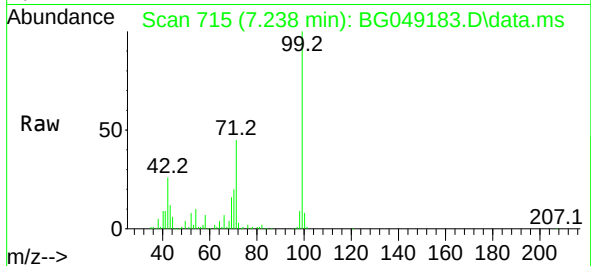




#7
Phenol-d6
Concen: 41.811 ng
RT: 7.238 min Scan# 715
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

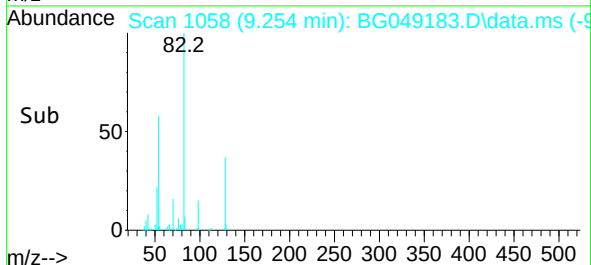
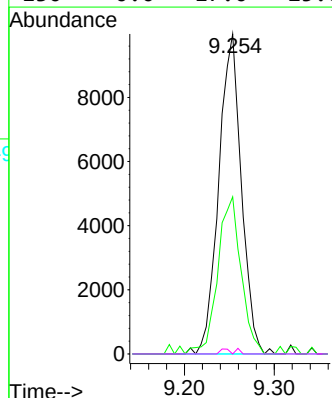
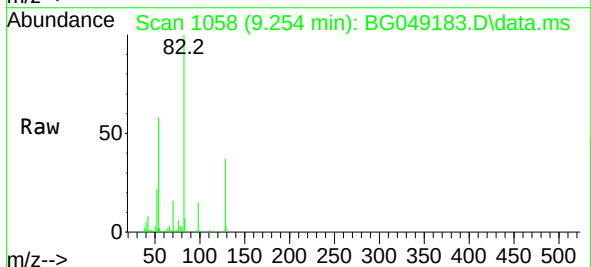
Instrument :
BNA_G
ClientSampleId :
D-4300DL

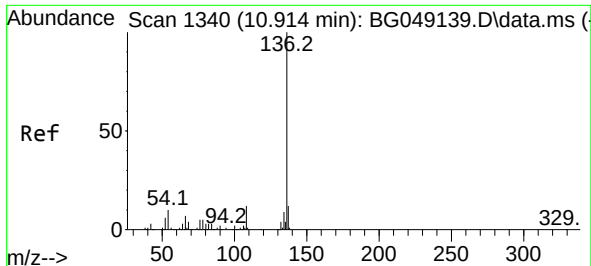
Tgt Ion: 99 Resp: 159893
Ion Ratio Lower Upper
99 100
42 26.1 20.5 30.7
71 45.5 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.356 ng
RT: 9.254 min Scan# 1058
Delta R.T. 0.358 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

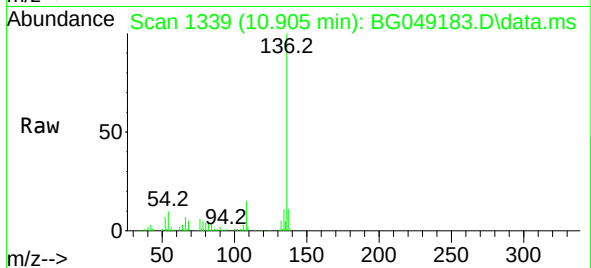
Tgt Ion: 70 Resp: 17469
Ion Ratio Lower Upper
70 100
42 49.1 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#



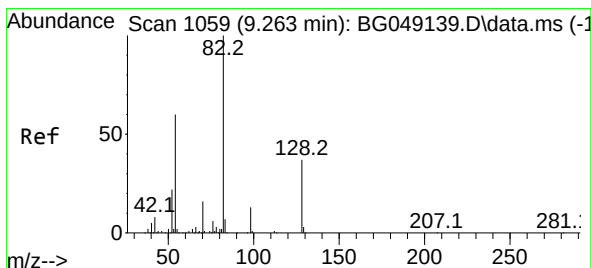
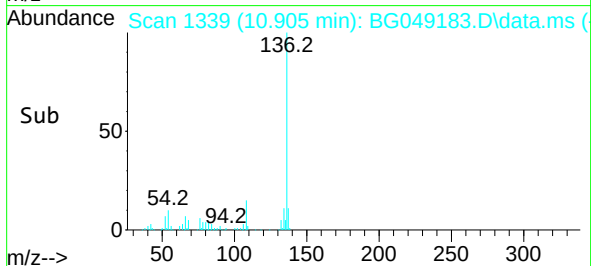
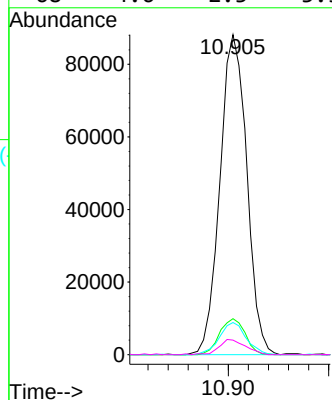


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.905 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Instrument :
BNA_G
ClientSampleId :
D-4300DL

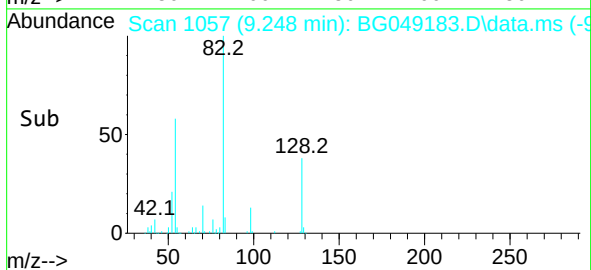
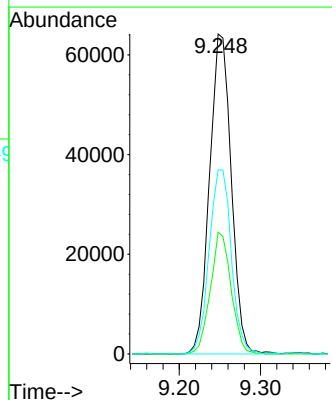
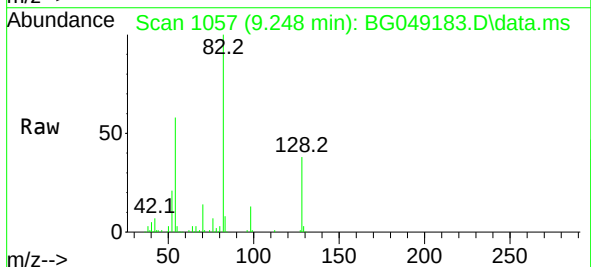


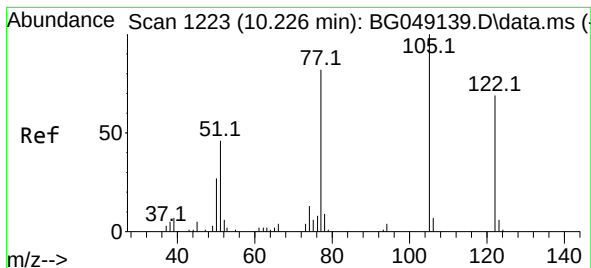
Tgt Ion:136 Resp: 163556
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.2
54 10.0 5.5 8.3#
68 4.6 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 30.850 ng
RT: 9.248 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Tgt Ion: 82 Resp: 119008
Ion Ratio Lower Upper
82 100
128 38.1 29.8 44.6
54 57.6 45.8 68.8

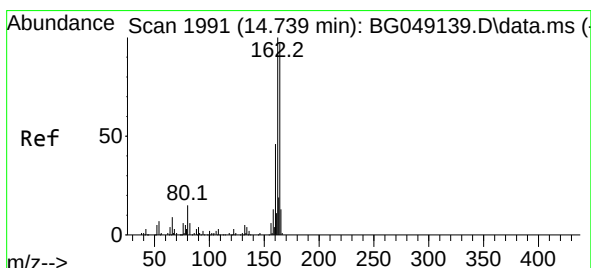
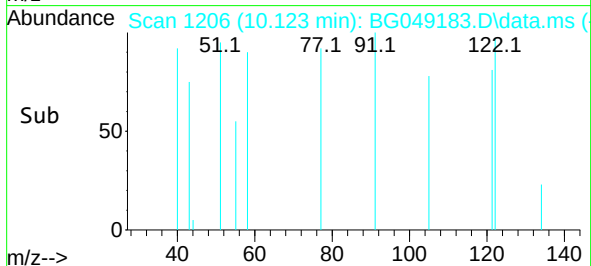
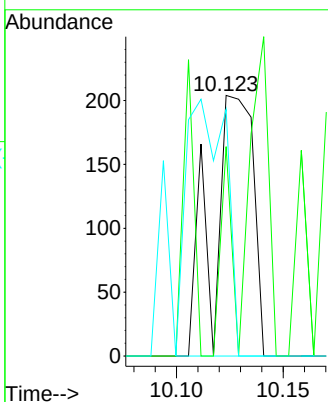
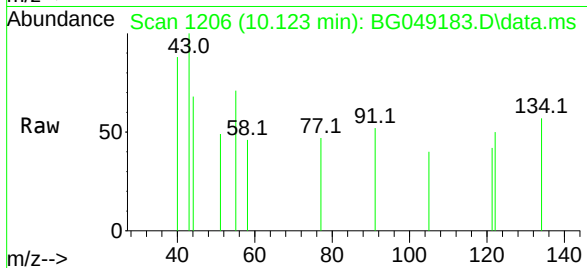




#32
Benzoic acid
Concen: 6.391 ng
RT: 10.123 min Scan# 1206
Delta R.T. -0.100 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

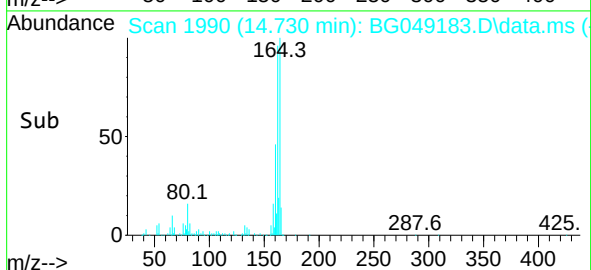
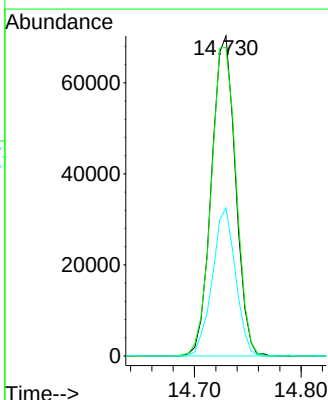
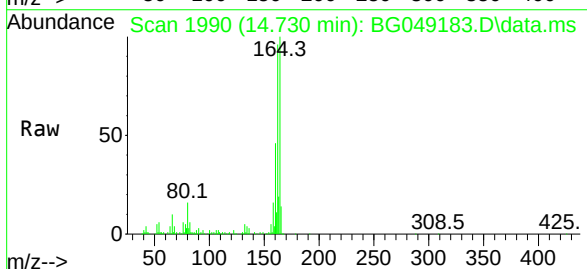
Instrument :
BNA_G
ClientSampleId :
D-4300DL

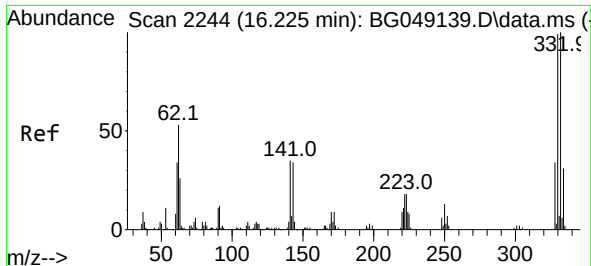
Tgt Ion:122 Resp: 267
Ion Ratio Lower Upper
122 100
105 80.4 92.3 132.3#
77 94.6 66.5 106.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.730 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

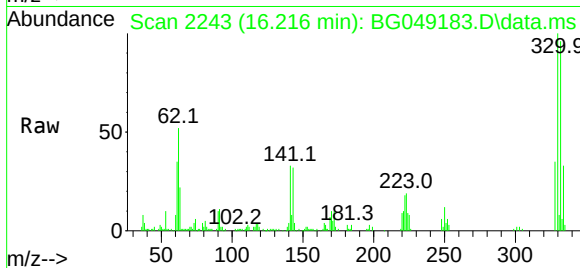
Tgt Ion:164 Resp: 109547
Ion Ratio Lower Upper
164 100
162 96.4 81.4 122.0
160 46.3 34.9 52.3



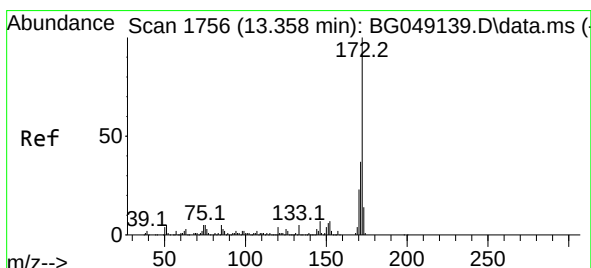
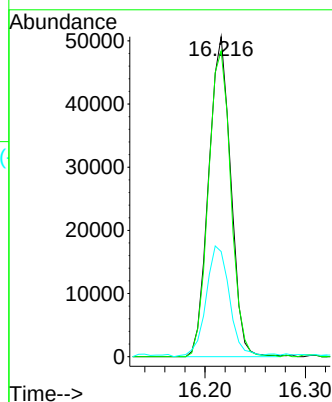
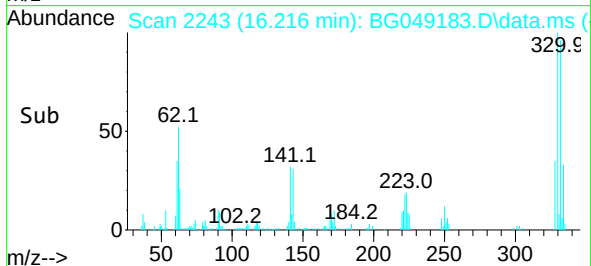


#42
2,4,6-Tribromophenol
Concen: 40.768 ng
RT: 16.216 min Scan# 2243
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

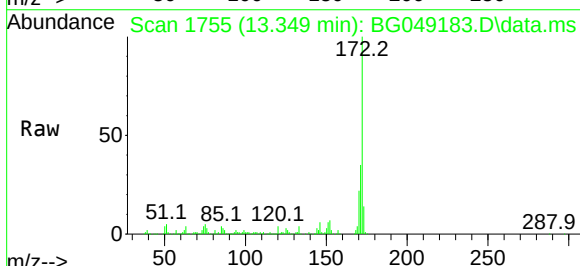
Instrument :
BNA_G
ClientSampleId :
D-4300DL



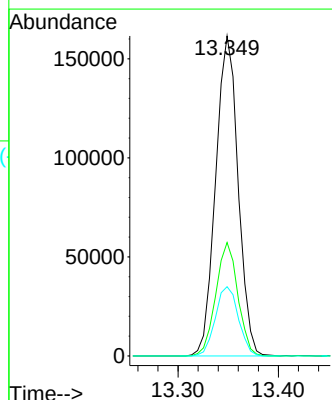
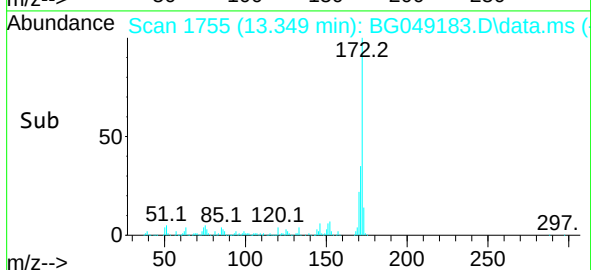
Tgt Ion:330 Resp: 77420
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 36.6 35.6 53.4

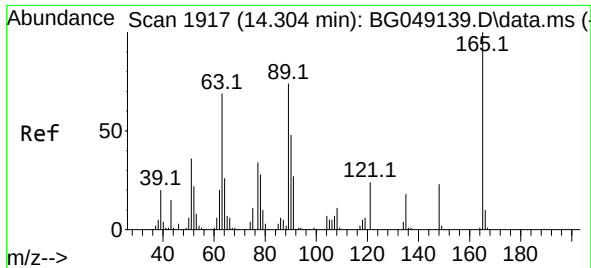


#45
2-Fluorobiphenyl
Concen: 30.881 ng
RT: 13.349 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48



Tgt Ion:172 Resp: 250744
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 21.6 18.6 27.8

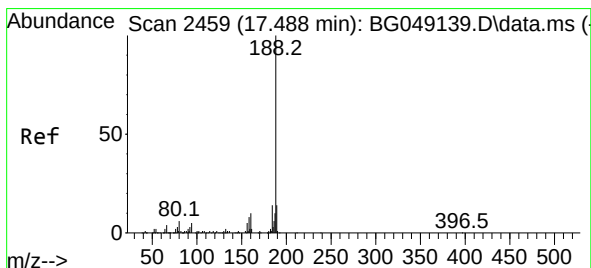
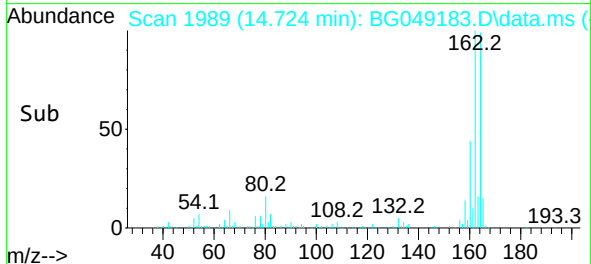
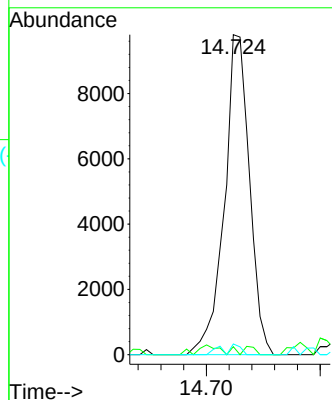
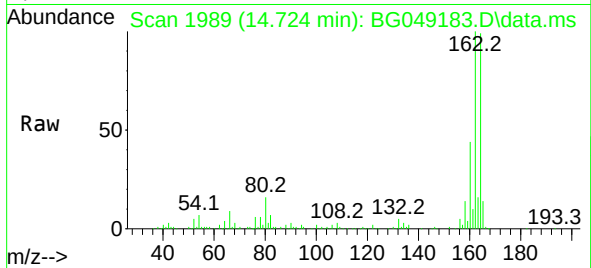




#51
2,6-Dinitrotoluene
Concen: 7.457 ng
RT: 14.724 min Scan# 1989
Delta R.T. 0.429 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

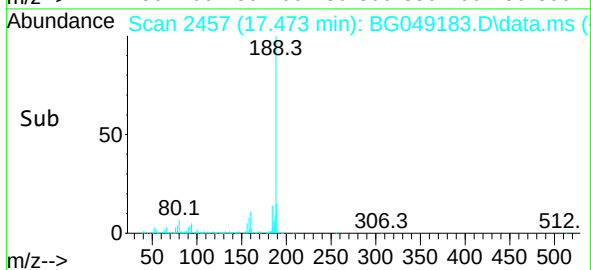
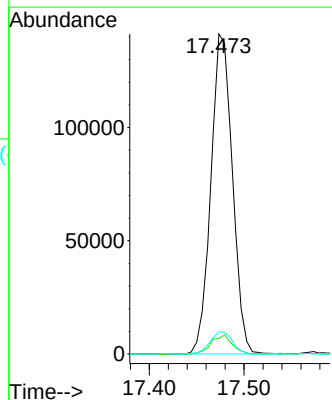
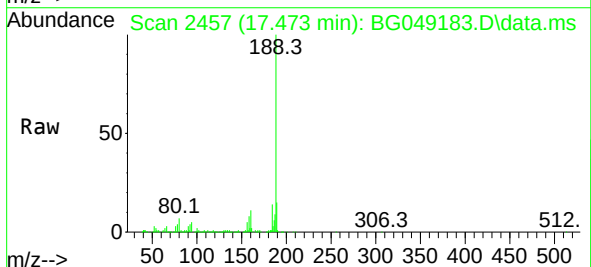
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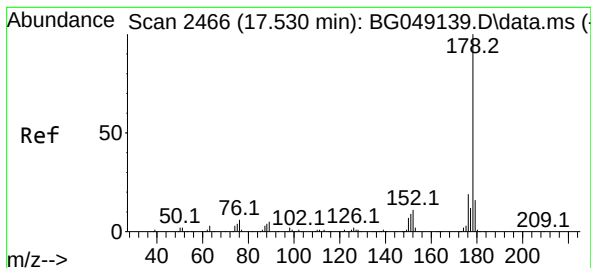
Tgt Ion:165 Resp: 15029
Ion Ratio Lower Upper
165 100
63 2.5 63.3 94.9#
89 3.3 63.4 95.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.473 min Scan# 2457
Delta R.T. -0.006 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Tgt Ion:188 Resp: 222726
Ion Ratio Lower Upper
188 100
94 4.9 5.4 8.0#
80 7.0 3.7 5.5#

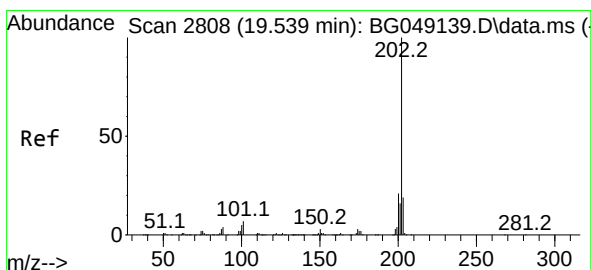
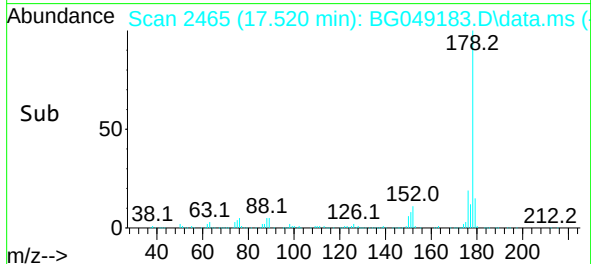
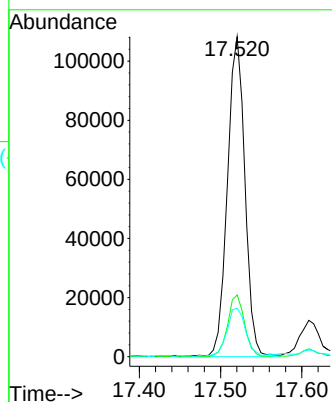
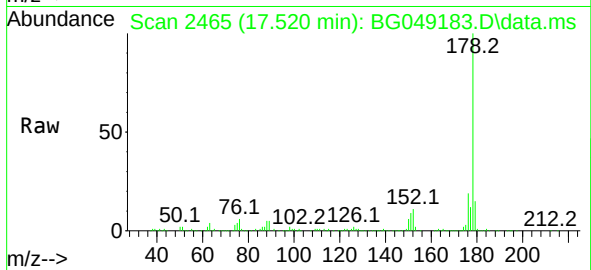




#71
Phenanthrene
Concen: 12.643 ng
RT: 17.520 min Scan# 2465
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

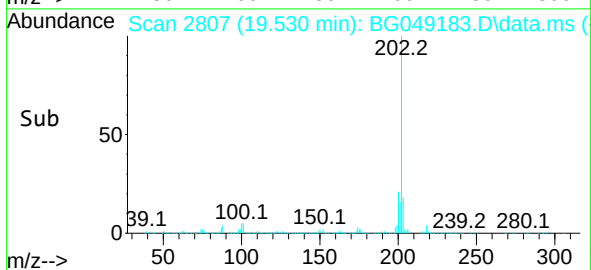
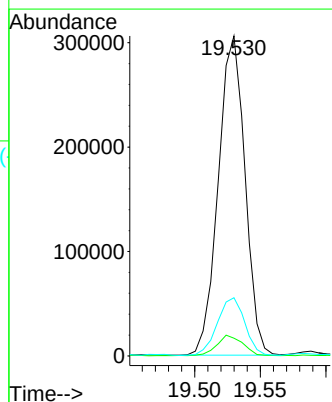
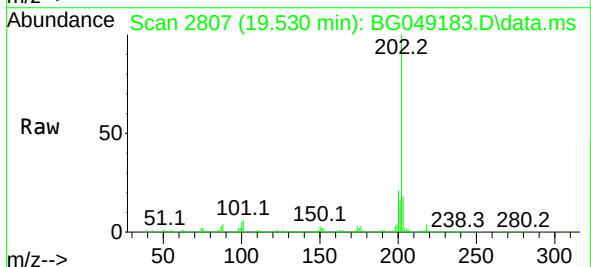
Instrument :
BNA_G
ClientSampleId :
D-4300DL

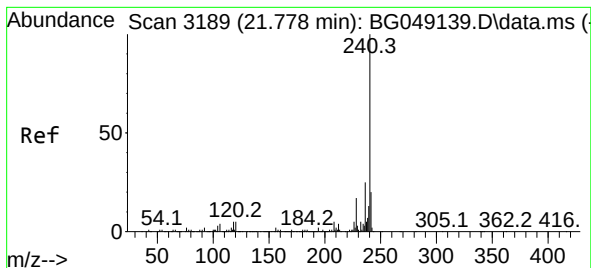
Tgt Ion:178 Resp: 162146
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.1 14.2 21.4



#75
Fluoranthene
Concen: 26.926 ng
RT: 19.530 min Scan# 2807
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Tgt Ion:202 Resp: 432328
Ion Ratio Lower Upper
202 100
101 5.5 0.0 24.7
203 18.2 0.0 38.5

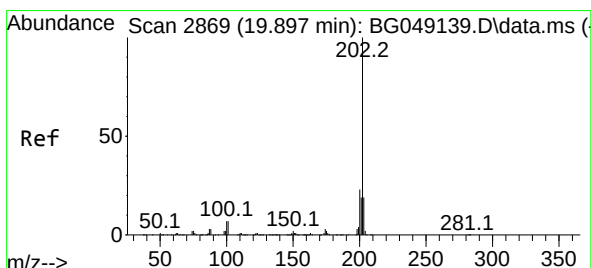
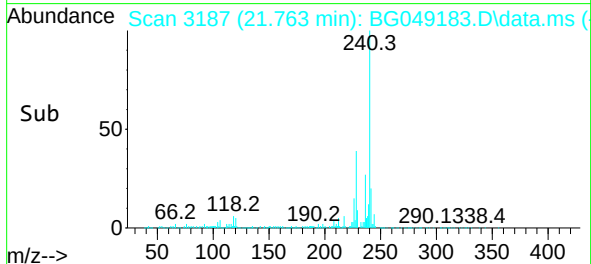
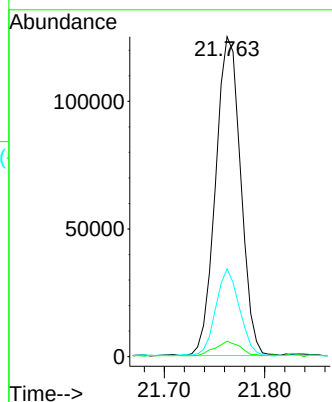
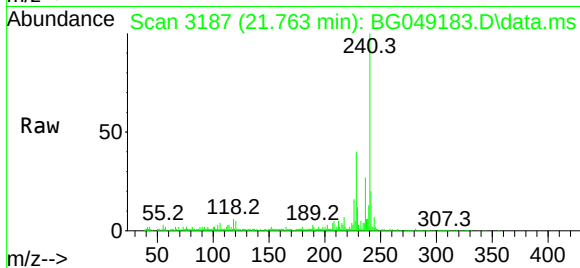




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.763 min Scan# 3187
Delta R.T. -0.000 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

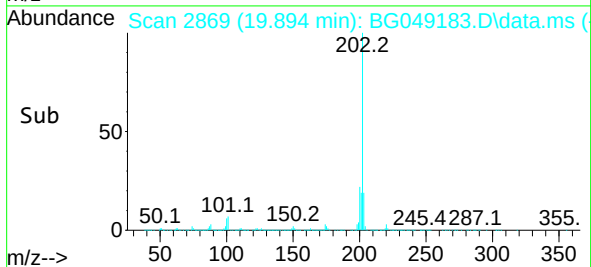
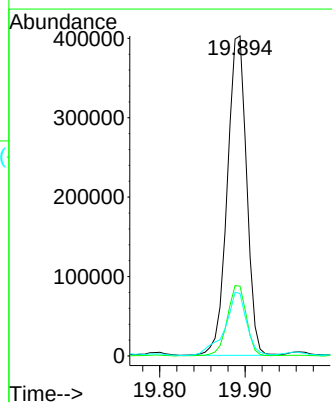
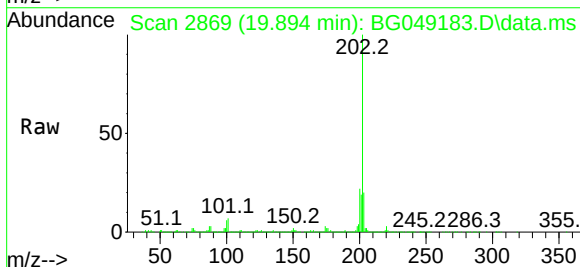
Instrument :
BNA_G
ClientSampleId :
D-4300DL

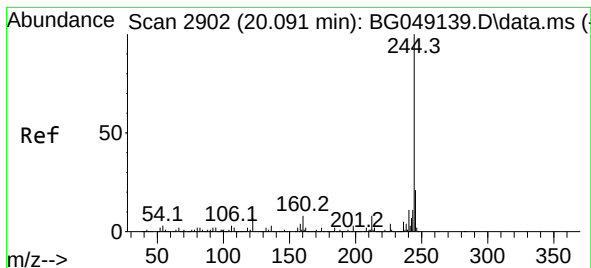
Tgt Ion:240 Resp: 216716
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.2
236 27.4 21.8 32.6



#78
Pyrene
Concen: 39.374 ng
RT: 19.894 min Scan# 2869
Delta R.T. 0.006 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Tgt Ion:202 Resp: 633783
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 19.5 14.6 21.8





#79

Terphenyl-d14

Concen: 26.094 ng

RT: 20.082 min Scan# 2901

Delta R.T. -0.000 min

Lab File: BG049183.D

Acq: 6 Jul 2021 11:48

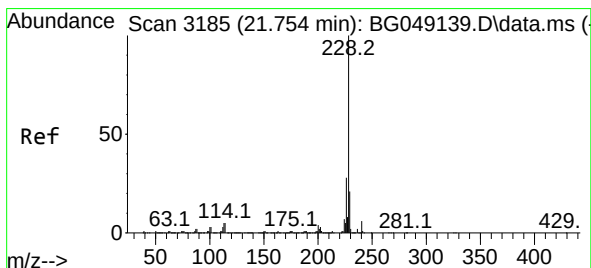
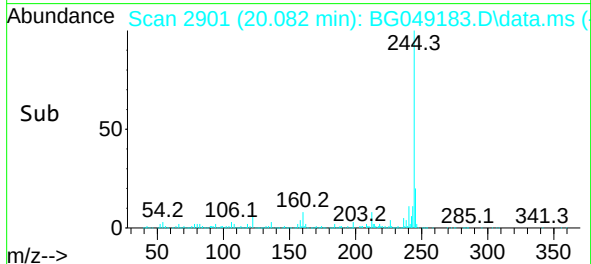
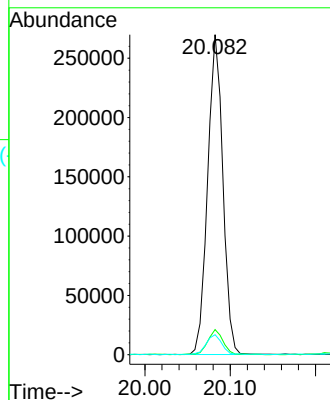
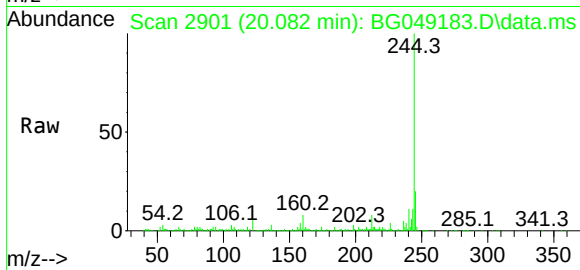
Tgt Ion:244 Resp: 333727

Ion Ratio Lower Upper

244 100

212 7.8 6.9 10.3

122 6.3 5.0 7.6



#81

Benzo(a)anthracene

Concen: 18.262 ng

RT: 21.745 min Scan# 3184

Delta R.T. -0.000 min

Lab File: BG049183.D

Acq: 6 Jul 2021 11:48

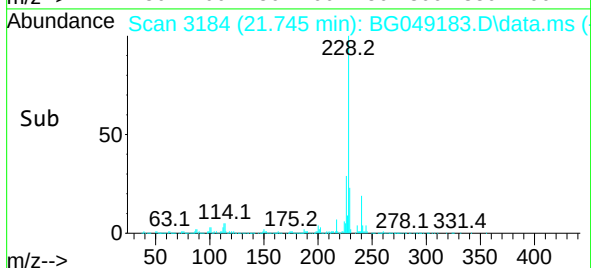
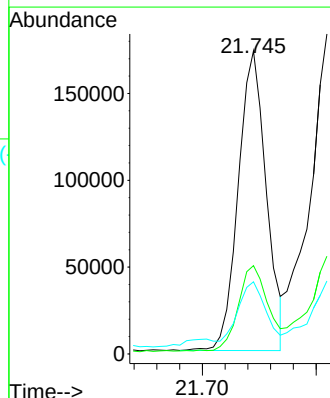
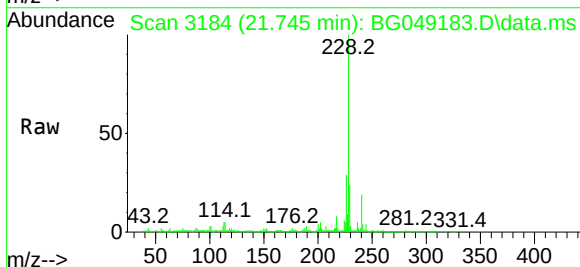
Tgt Ion:228 Resp: 295187

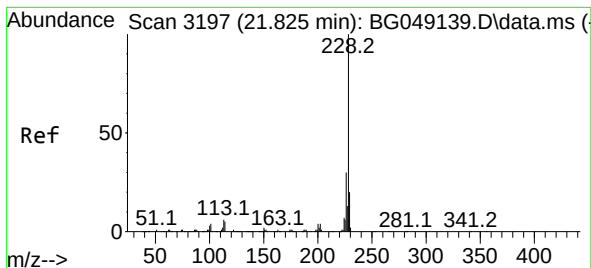
Ion Ratio Lower Upper

228 100

226 29.2 22.7 34.1

229 23.8 16.0 24.0





#83

Chrysene

Concen: 22.962 ng

RT: 21.810 min Scan# 3195

Delta R.T. -0.000 min

Lab File: BG049183.D

Acq: 6 Jul 2021 11:48

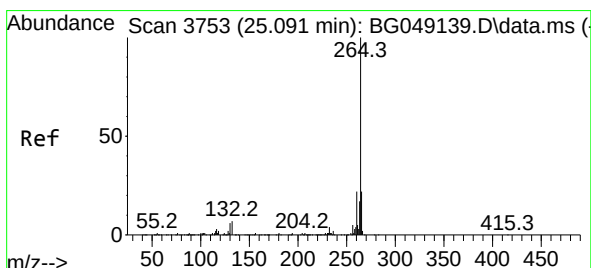
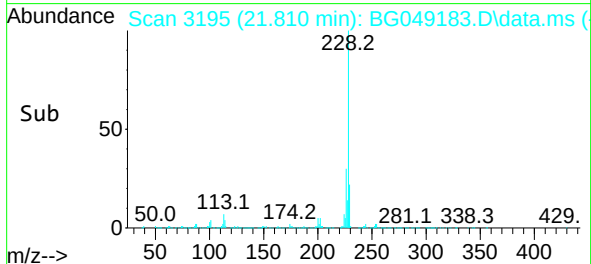
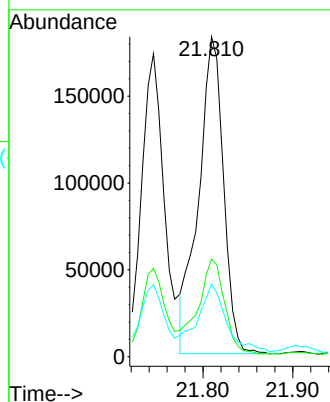
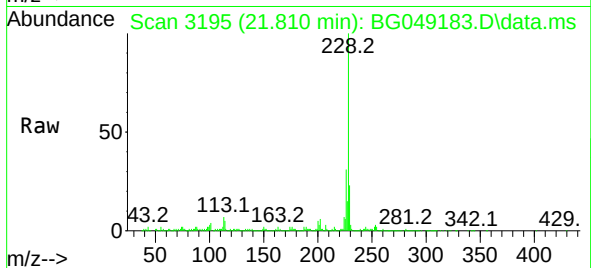
Instrument :

BNA_G

ClientSampleId :

D-4300DL

Tgt Ion:228	Resp:	352616
Ion Ratio	Lower	Upper
228	100	
226	30.5	23.1 34.7
229	22.8	15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

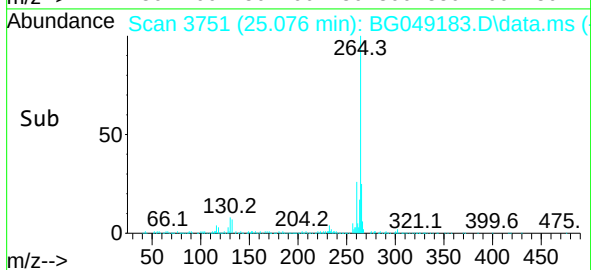
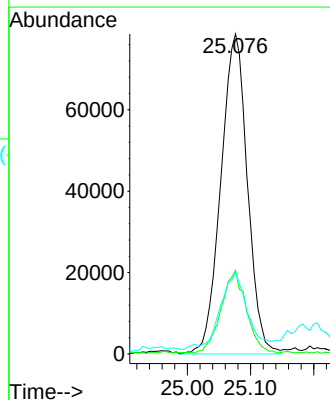
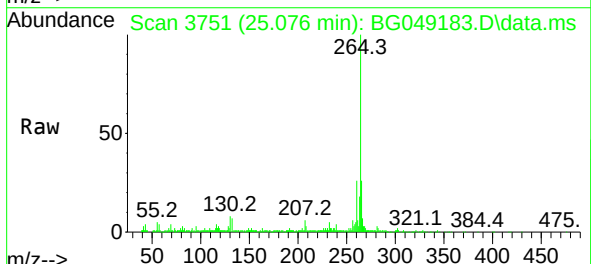
RT: 25.076 min Scan# 3751

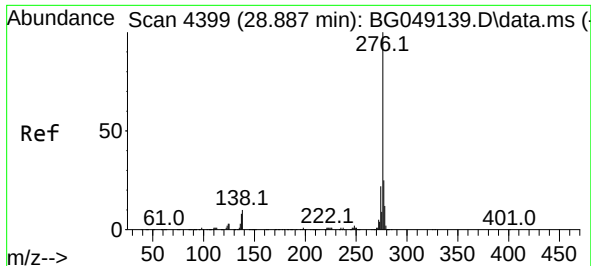
Delta R.T. 0.012 min

Lab File: BG049183.D

Acq: 6 Jul 2021 11:48

Tgt Ion:264	Resp:	229638
Ion Ratio	Lower	Upper
264	100	
260	26.2	19.4 29.2
265	25.6	16.9 25.3#

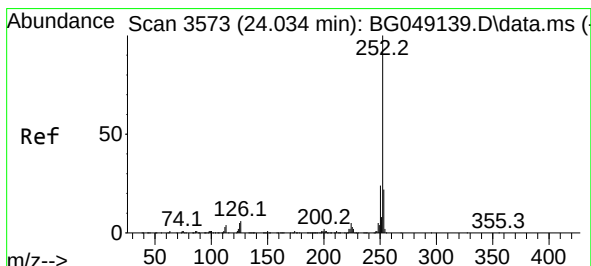
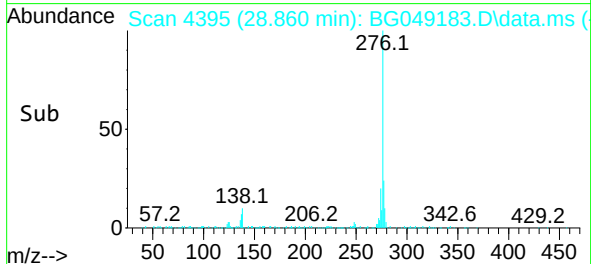
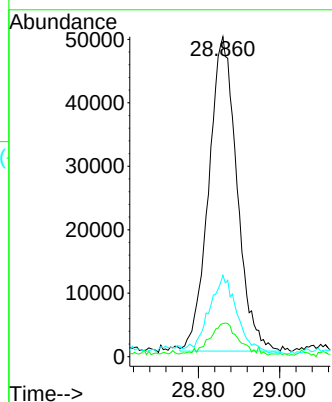
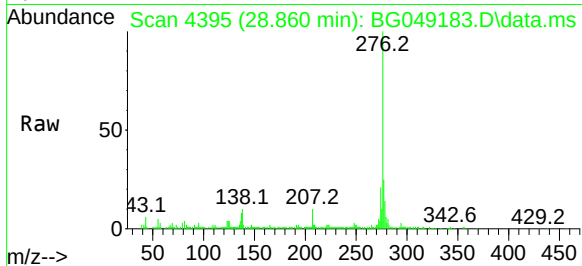




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.032 ng
 RT: 28.860 min Scan# 4395
 Delta R.T. -0.000 min
 Lab File: BG049183.D
 Acq: 6 Jul 2021 11:48

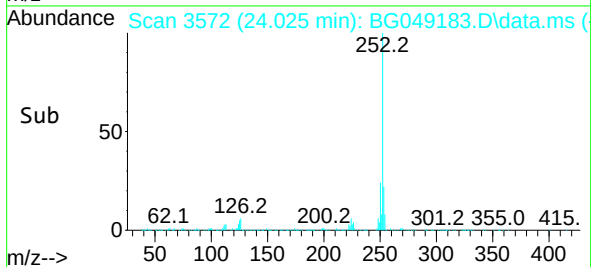
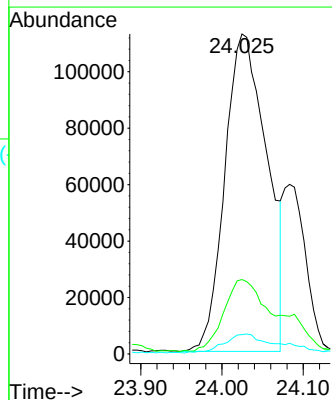
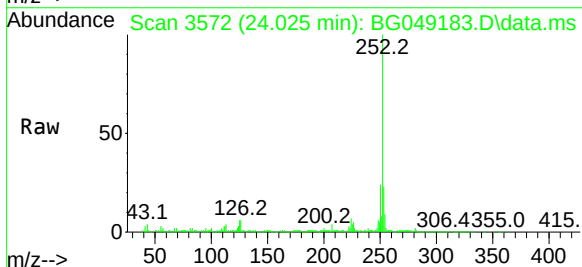
Instrument :
 BNA_G
 ClientSampleId :
 D-4300DL

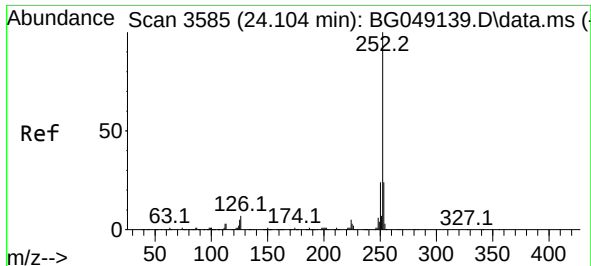
Tgt Ion:276 Resp: 238787
 Ion Ratio Lower Upper
 276 100
 138 9.6 5.1 7.7#
 277 23.8 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 24.461 ng
 RT: 24.025 min Scan# 3572
 Delta R.T. 0.006 min
 Lab File: BG049183.D
 Acq: 6 Jul 2021 11:48

Tgt Ion:252 Resp: 405345
 Ion Ratio Lower Upper
 252 100
 253 23.3 16.2 24.4
 125 6.0 3.0 4.4#

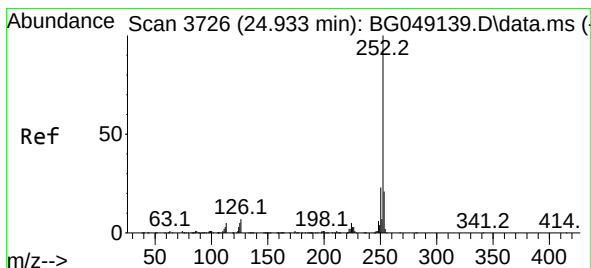
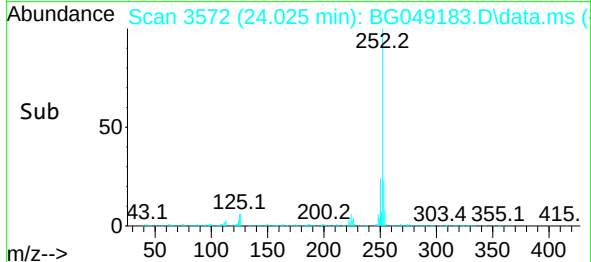
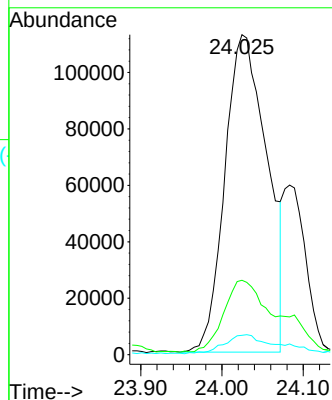
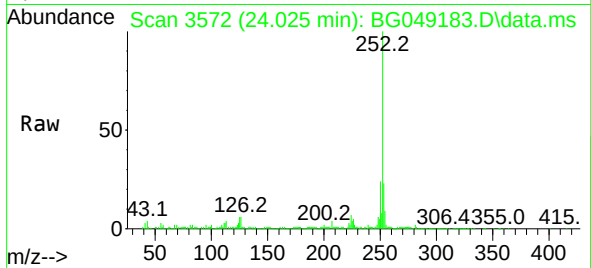




#89
Benzo(k)fluoranthene
Concen: 25.640 ng
RT: 24.025 min Scan# 3572
Delta R.T. -0.065 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

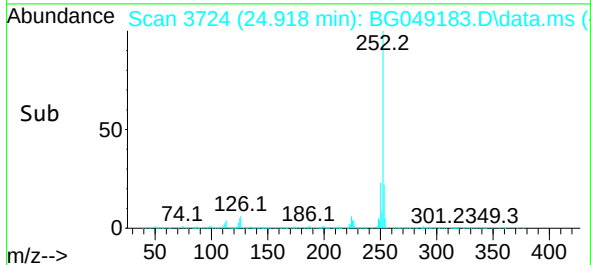
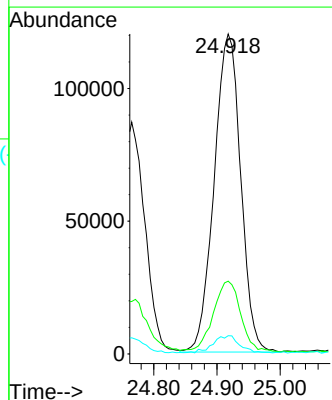
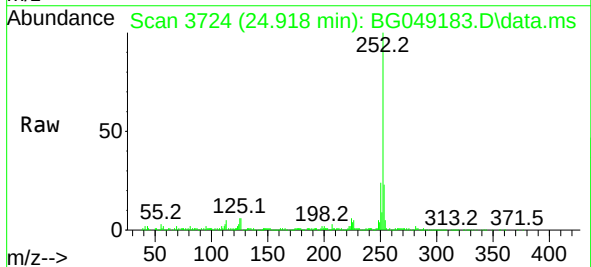
Instrument :
BNA_G
ClientSampleID :
D-4300DL

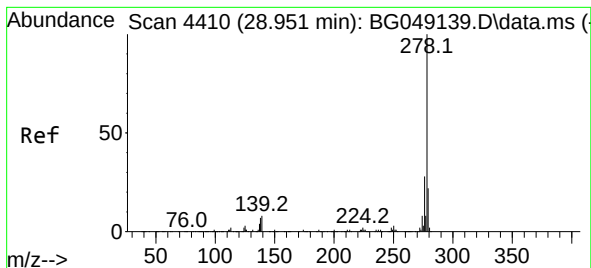
Tgt Ion:252 Resp: 405345
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 6.0 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 22.838 ng
RT: 24.918 min Scan# 3724
Delta R.T. 0.006 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Tgt Ion:252 Resp: 349116
Ion Ratio Lower Upper
252 100
253 22.8 16.6 25.0
125 5.7 3.5 5.3#

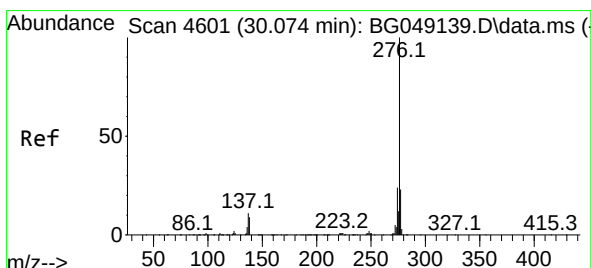
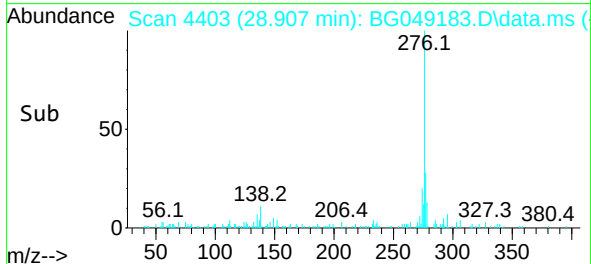
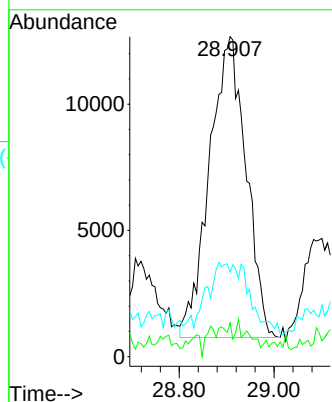
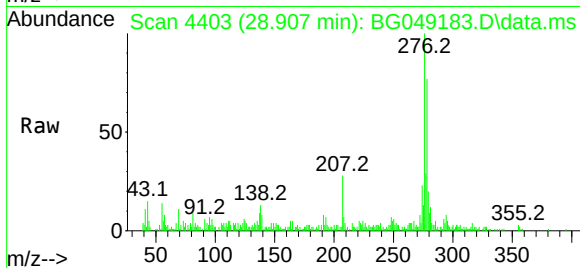




#91
Dibenzo(a,h)anthracene
Concen: 4.129 ng
RT: 28.907 min Scan# 4403
Delta R.T. -0.018 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Instrument :
BNA_G
ClientSampleId :
D-4300DL

Tgt Ion:278 Resp: 63854
Ion Ratio Lower Upper
278 100
139 10.6 4.6 6.8#
279 26.4 17.9 26.9



#92
Benzo(g,h,i)perylene
Concen: 16.985 ng
RT: 30.053 min Scan# 4598
Delta R.T. 0.017 min
Lab File: BG049183.D
Acq: 6 Jul 2021 11:48

Tgt Ion:276 Resp: 258940
Ion Ratio Lower Upper
276 100
277 19.7 18.4 27.6
138 11.1 7.0 10.6#

