

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054583.D
 Acq On : 10 Aug 2022 11:17
 Operator : CG/JU
 Sample : N4088-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-080522DL

Quant Time: Aug 10 14:24:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

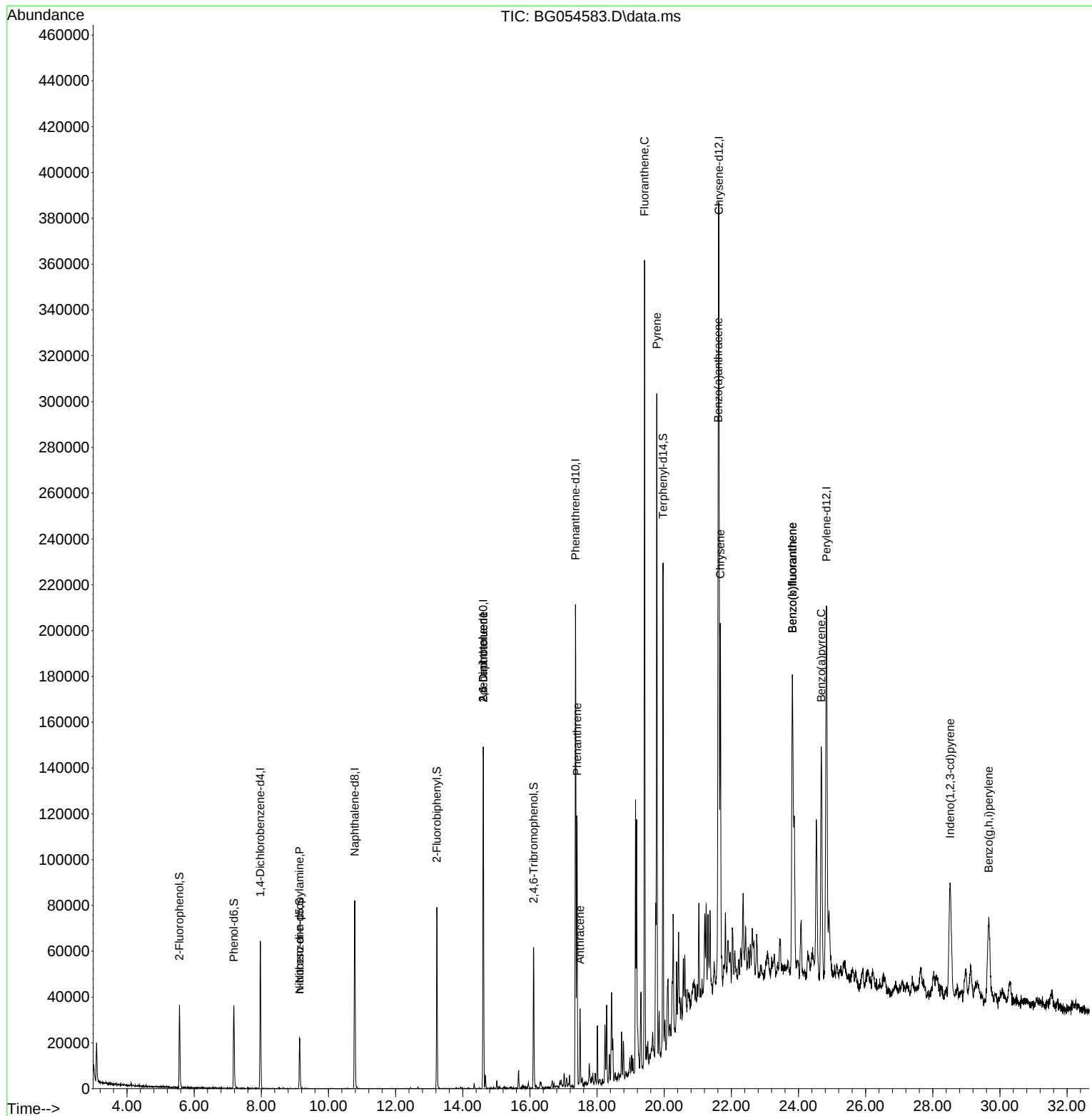
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	20793	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	79656	20.000	ng	# 0.00
39) Acenaphthene-d10	14.609	164	61212	20.000	ng	0.00
64) Phenanthrene-d10	17.359	188	154692	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	185281	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	198186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	18412	18.488	ng	0.00
7) Phenol-d6	7.183	99	24193	17.729	ng	0.00
23) Nitrobenzene-d5	9.139	82	15116	10.334	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	17856	13.893	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	48001	11.062	ng	0.00
79) Terphenyl-d14	19.968	244	115810	12.400	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.139	70	2100	2.305	ng	# 74
51) 2,6-Dinitrotoluene	14.609	165	8324	7.937	ng	# 16
57) 2,4-Dinitrotoluene	14.609	165	8324	5.537	ng	# 21
71) Phenanthrene	17.406	178	87080	11.304	ng	98
72) Anthracene	17.494	178	24521	3.244	ng	95
75) Fluoranthene	19.415	202	238783	22.739	ng	95
78) Pyrene	19.780	202	212364	19.975	ng	99
81) Benzo(a)anthracene	21.607	228	145738	12.391	ng	99
83) Chrysene	21.671	228	123035	11.072	ng	98
87) Indeno(1,2,3-cd)pyrene	28.516	276	91098	6.042	ng	# 96
88) Benzo(b)fluoranthene	23.822	252	179725	15.334	ng	# 98
89) Benzo(k)fluoranthene	23.822	252	179725	15.408	ng	# 98
90) Benzo(a)pyrene	24.680	252	124505	12.439	ng	98
92) Benzo(g,h,i)perylene	29.668	276	86748	7.090	ng	# 90

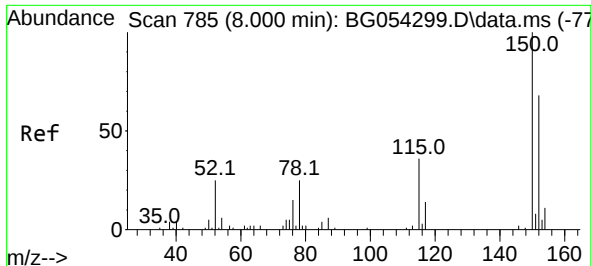
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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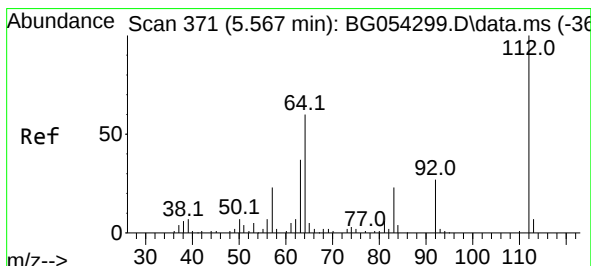
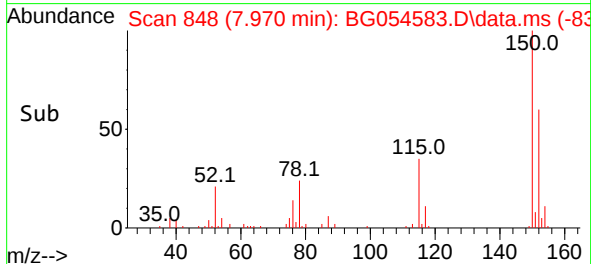
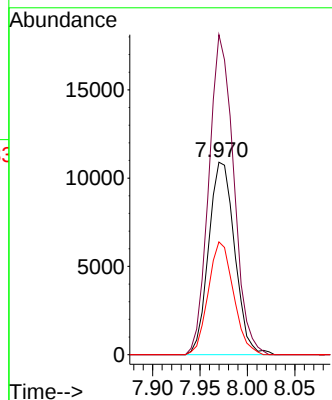
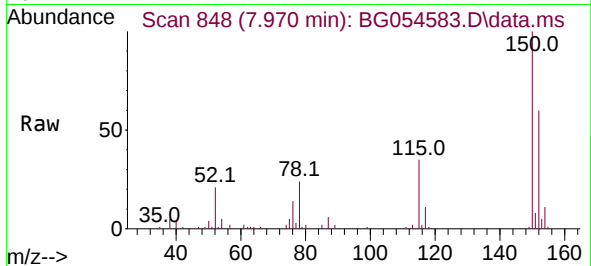




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.970 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

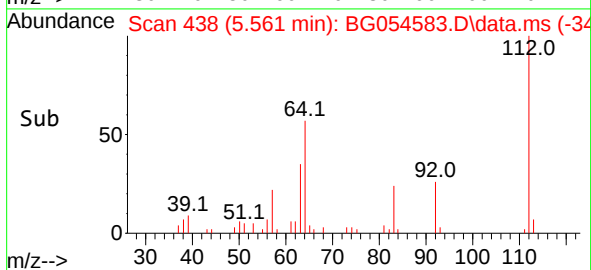
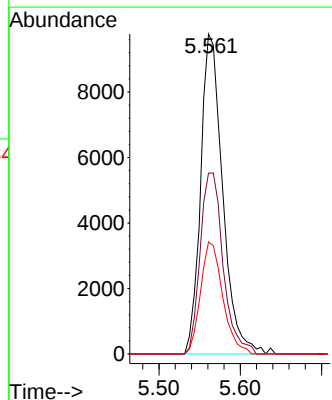
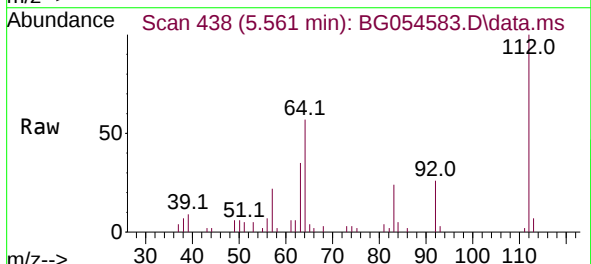
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

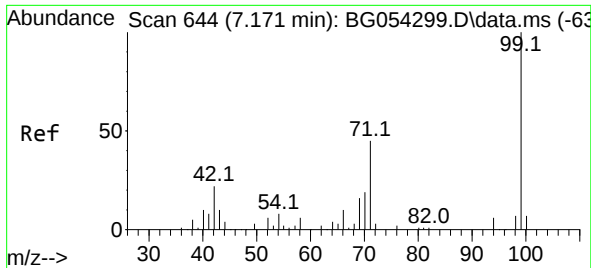
Tgt Ion:152 Resp: 20793
Ion Ratio Lower Upper
152 100
150 166.2 131.6 197.4
115 58.6 50.9 76.3



#5
2-Fluorophenol
Concen: 18.488 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:112 Resp: 18412
Ion Ratio Lower Upper
112 100
64 56.5 55.1 82.7
63 35.0 30.4 45.6

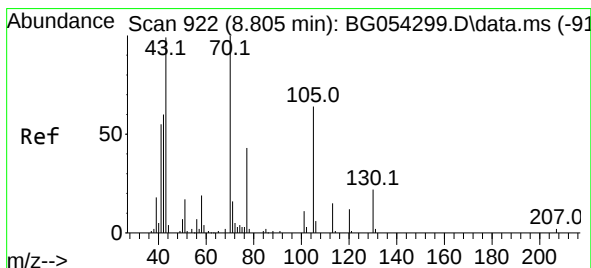
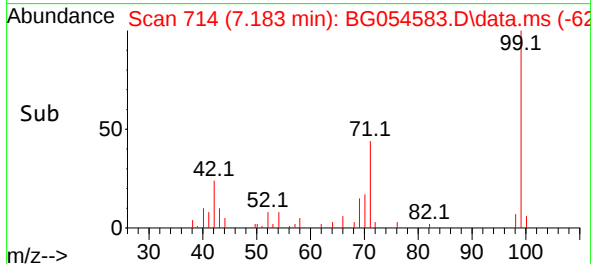
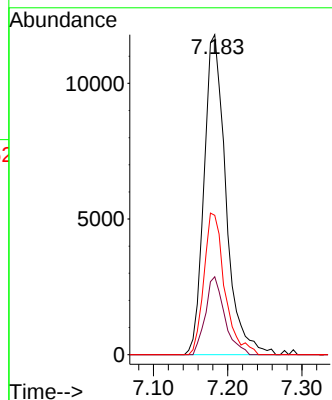
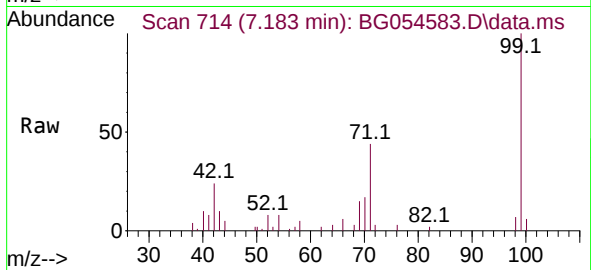




#7
Phenol-d6
Concen: 17.729 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

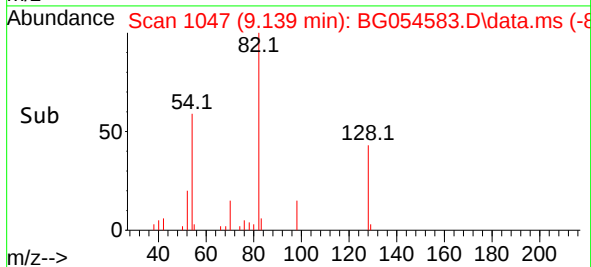
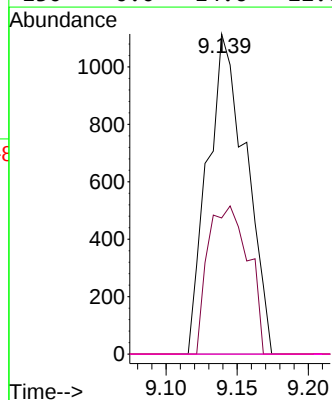
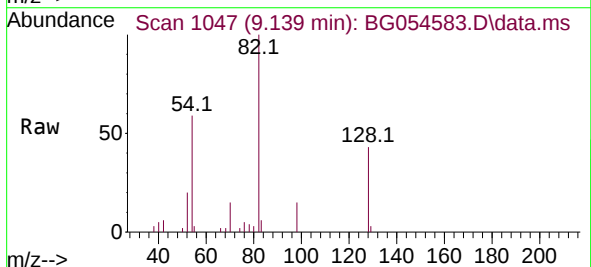
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

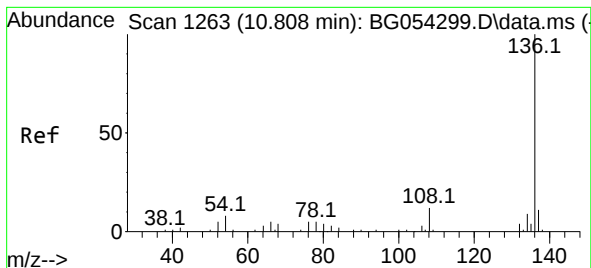
Tgt Ion: 99 Resp: 24193
Ion Ratio Lower Upper
99 100
42 24.4 17.0 25.6
71 43.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.305 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.356 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion: 70 Resp: 2100
Ion Ratio Lower Upper
70 100
42 42.5 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

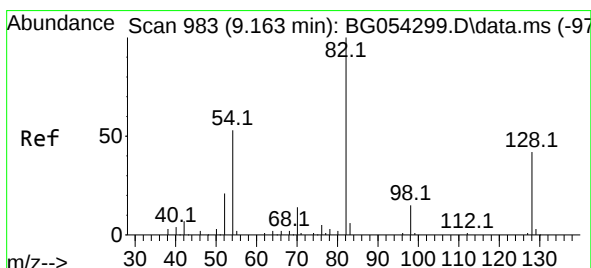
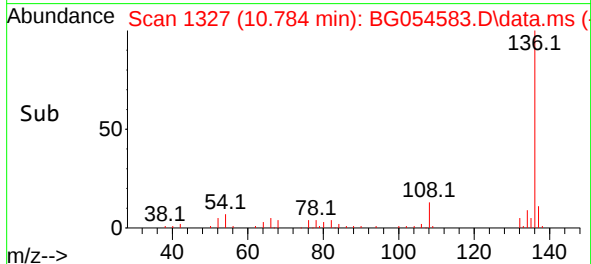
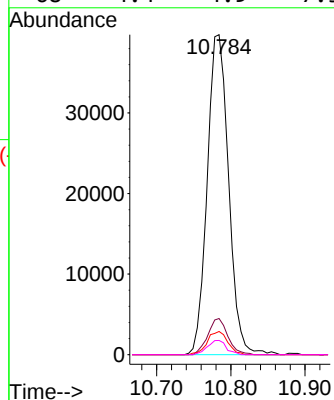
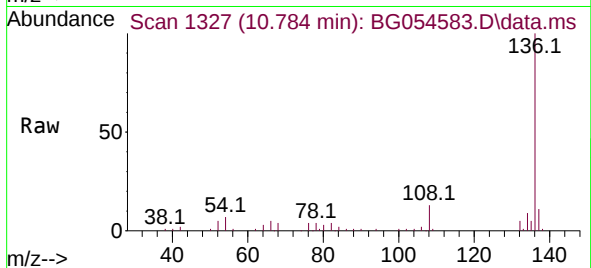




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

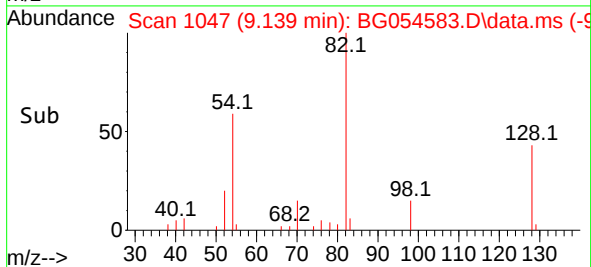
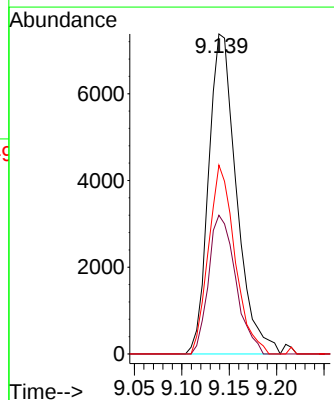
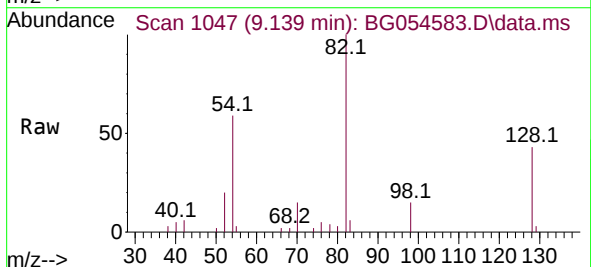
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

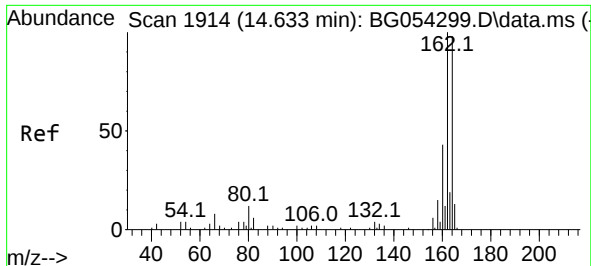
Tgt Ion:	136	Resp:	79656
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	7.3	7.4	11.2#
68	4.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 10.334 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:	82	Resp:	15116
Ion Ratio	Lower	Upper	
82	100		
128	43.3	27.9	41.9#
54	59.0	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.609 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG054583.D

Acq: 10 Aug 2022 11:17

Instrument :

BNA_G

ClientSampleId :

PL-02-080522DL

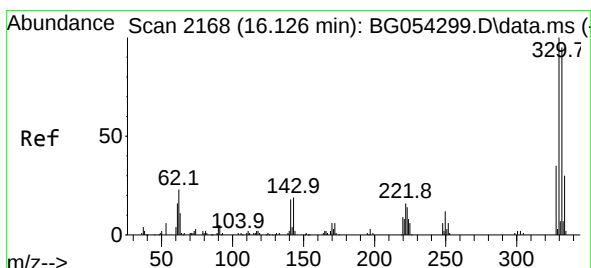
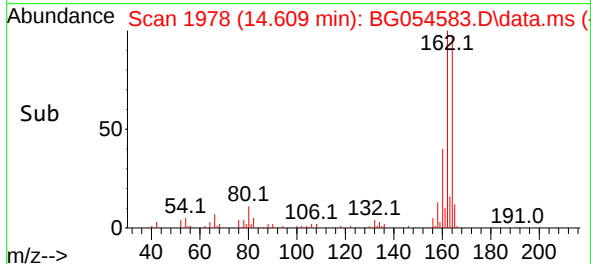
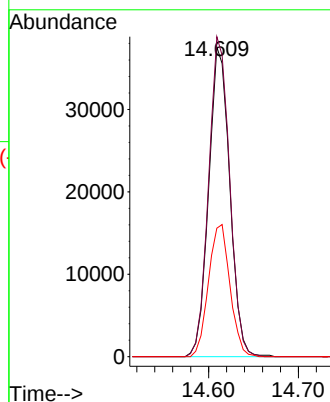
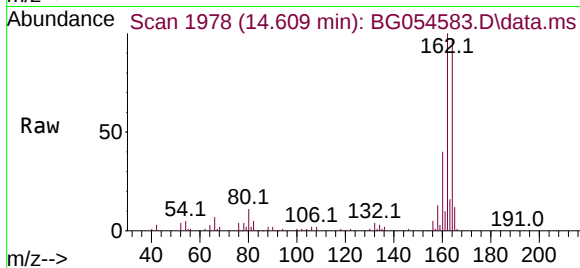
Tgt Ion:164 Resp: 61212

Ion Ratio Lower Upper

164 100

162 103.4 82.3 123.5

160 41.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 13.893 ng

RT: 16.113 min Scan# 2234

Delta R.T. -0.002 min

Lab File: BG054583.D

Acq: 10 Aug 2022 11:17

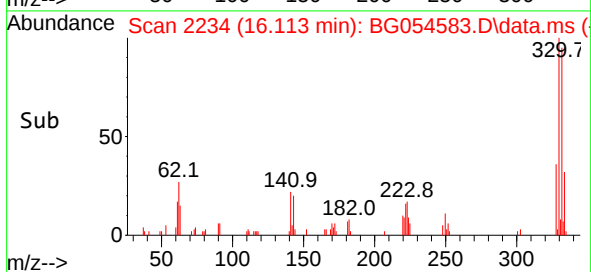
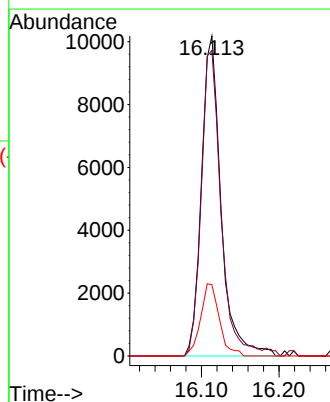
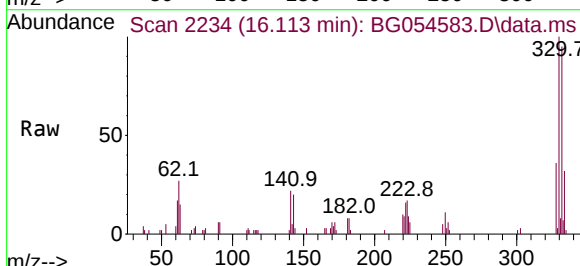
Tgt Ion:330 Resp: 17856

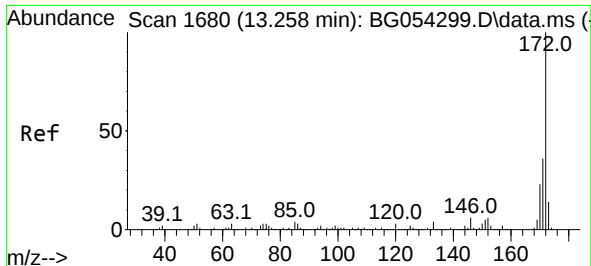
Ion Ratio Lower Upper

330 100

332 96.7 76.0 114.0

141 21.6 27.1 40.7#

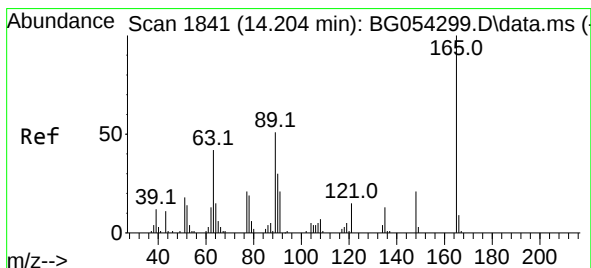
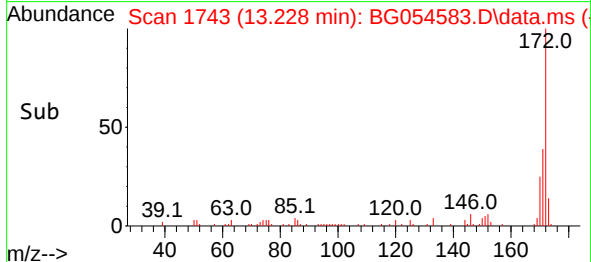
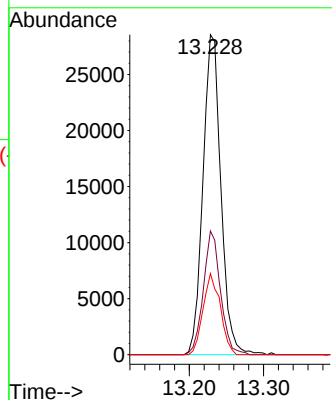
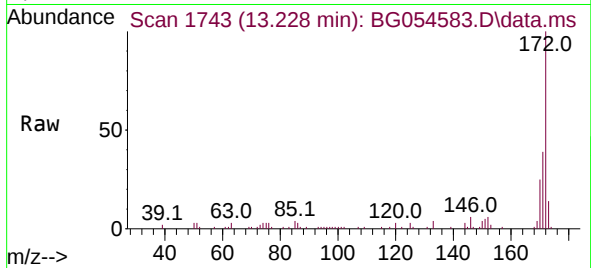




#45
2-Fluorobiphenyl
Concen: 11.062 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

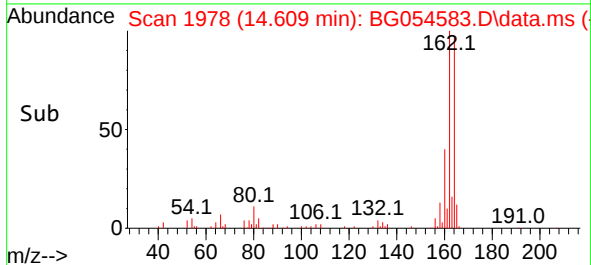
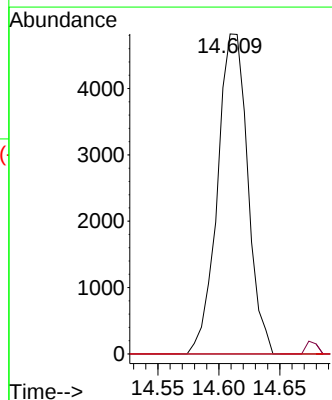
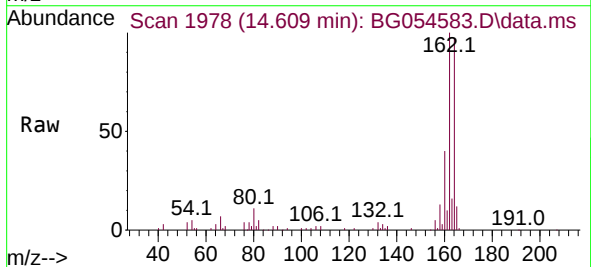
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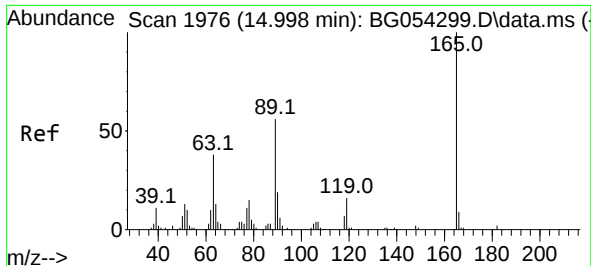
Tgt Ion:172 Resp: 48001
Ion Ratio Lower Upper
172 100
171 38.6 28.5 42.7
170 25.4 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.937 ng
RT: 14.609 min Scan# 1978
Delta R.T. 0.415 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:165 Resp: 8324
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: 5.537 ng

RT: 14.609 min Scan# 14

Delta R.T. -0.384 min

Lab File: BG054583.D

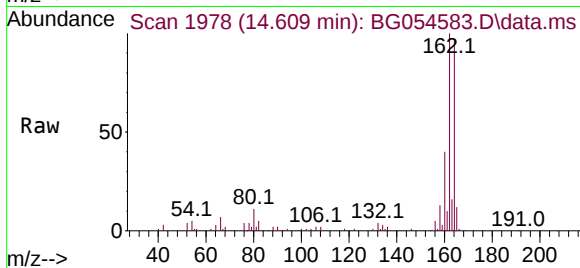
Acq: 10 Aug 2022 11:17

Instrument :

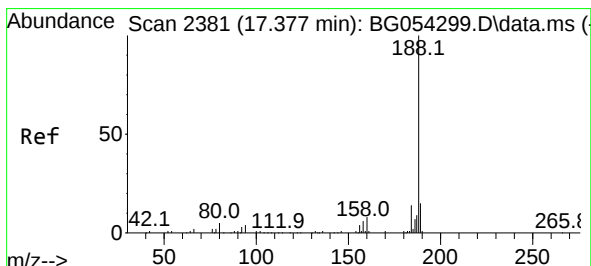
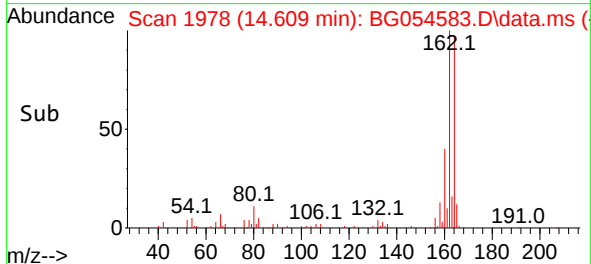
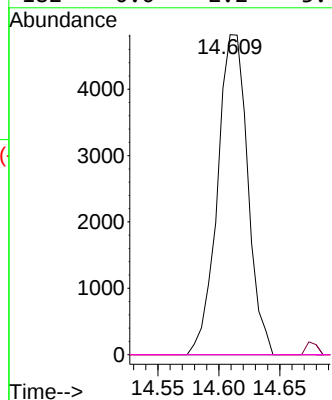
BNA_G

ClientSampleId :

PL-02-080522DL



Tgt Ion:165	Resp:	8324
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

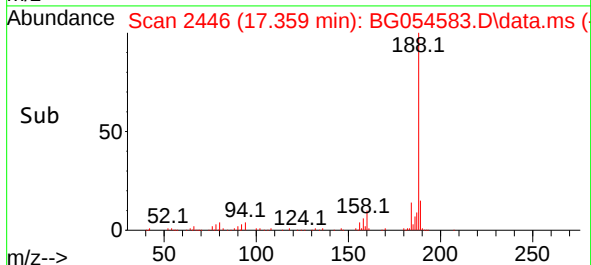
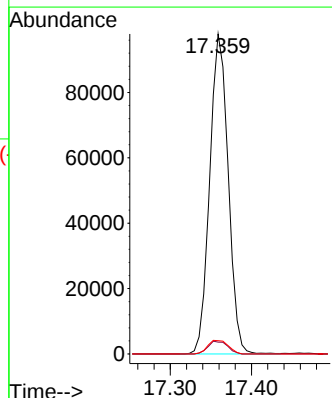
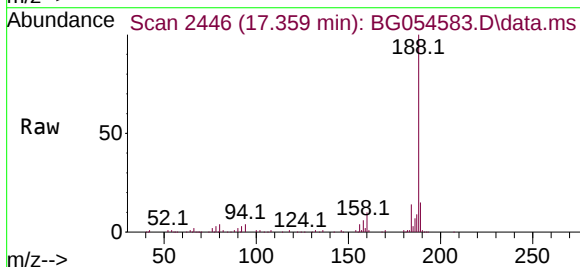
RT: 17.359 min Scan# 2446

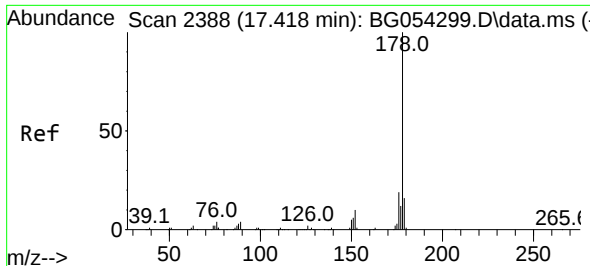
Delta R.T. -0.002 min

Lab File: BG054583.D

Acq: 10 Aug 2022 11:17

Tgt Ion:188	Resp:	154692
Ion	Ratio	Lower Upper
188	100	
94	3.7	5.4 8.0#
80	4.2	6.8 10.2#

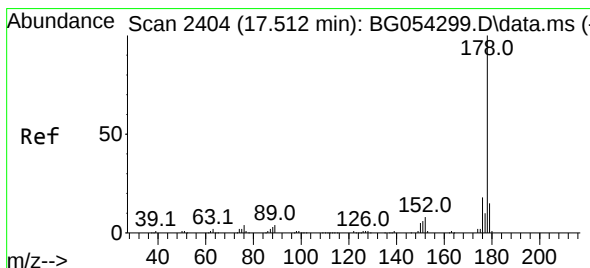
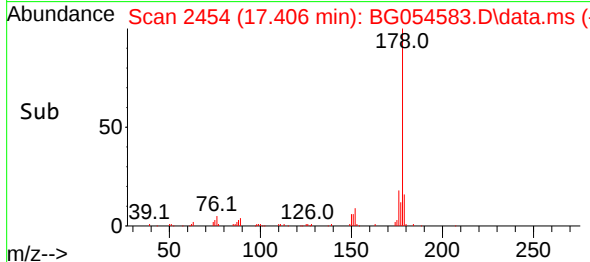
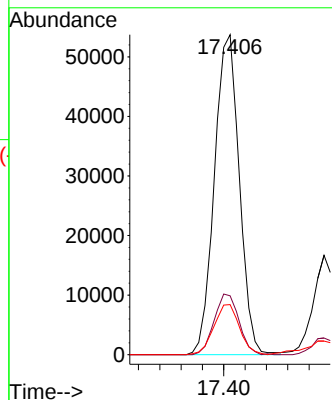
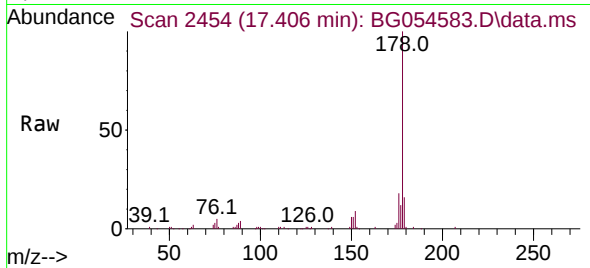




#71
Phenanthrene
Concen: 11.304 ng
RT: 17.406 min Scan# 241
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

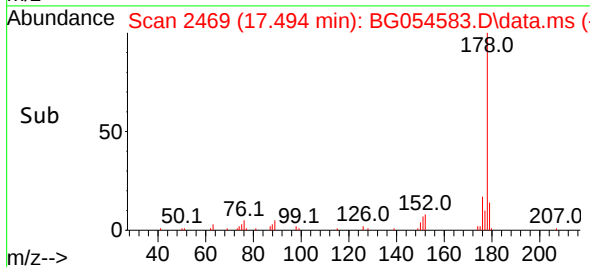
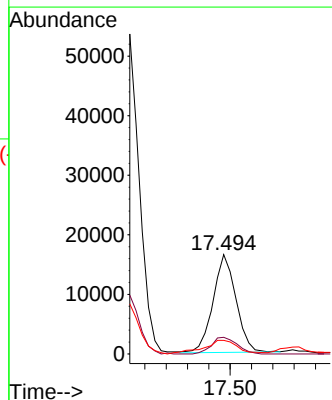
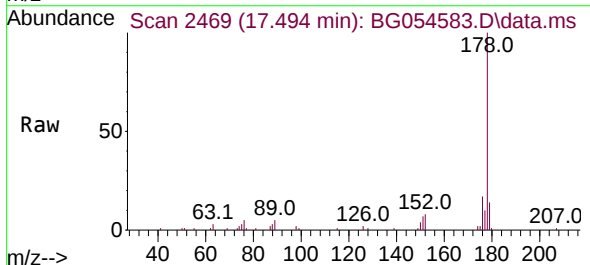
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

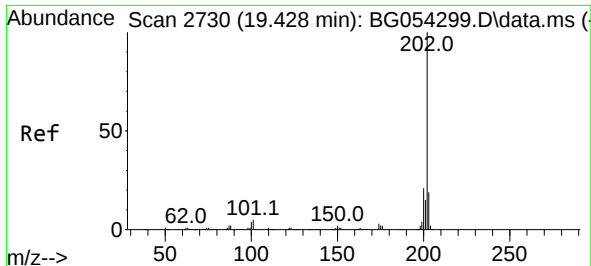
Tgt Ion:178 Resp: 87080
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 15.6 12.1 18.1



#72
Anthracene
Concen: 3.244 ng
RT: 17.494 min Scan# 2469
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:178 Resp: 24521
Ion Ratio Lower Upper
178 100
176 16.7 15.2 22.8
179 13.7 13.0 19.4

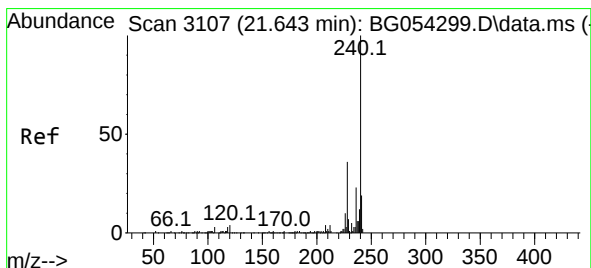
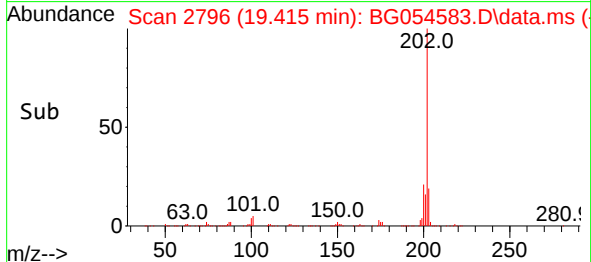
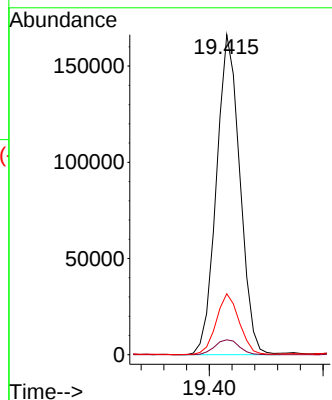
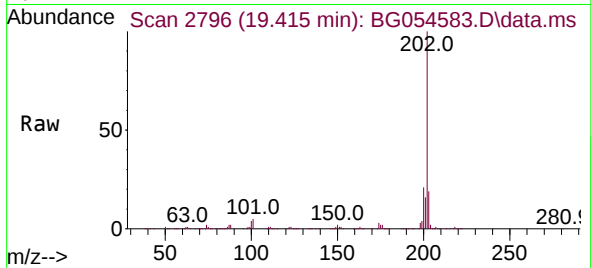




#75
Fluoranthene
Concen: 22.739 ng
RT: 19.415 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

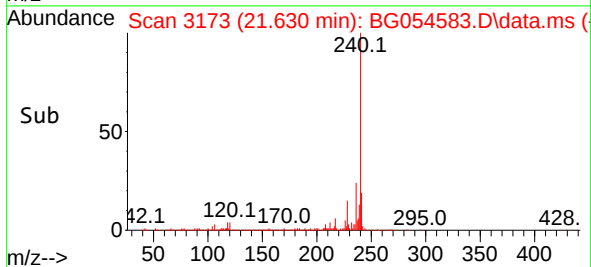
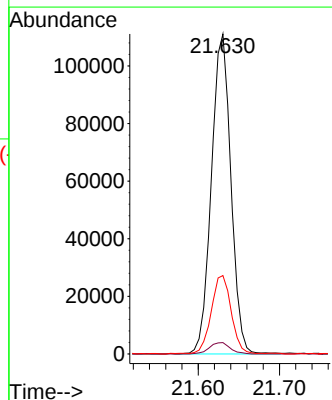
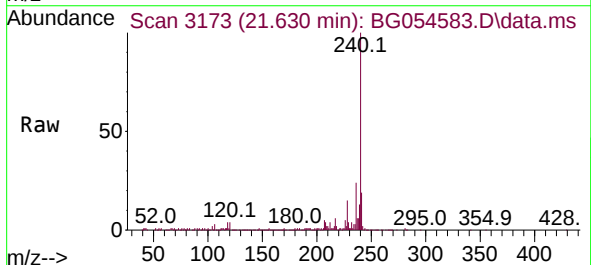
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

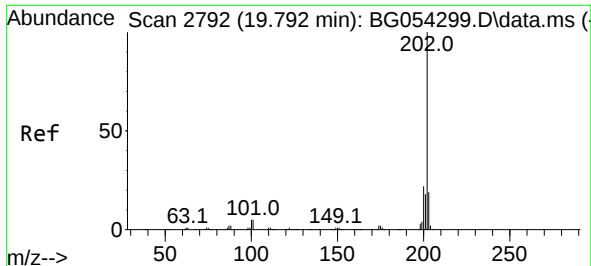
Tgt Ion:202 Resp: 238783
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 19.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:240 Resp: 185281
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.5 20.2 30.4

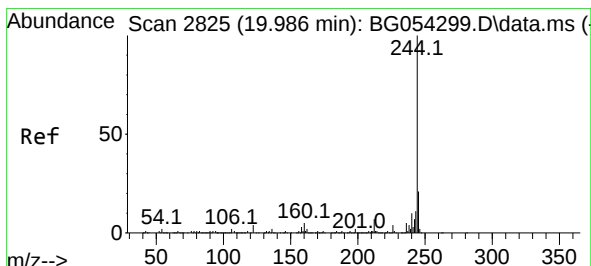
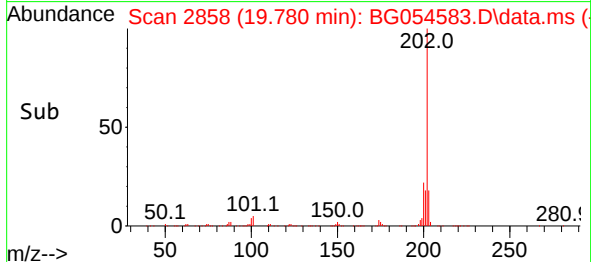
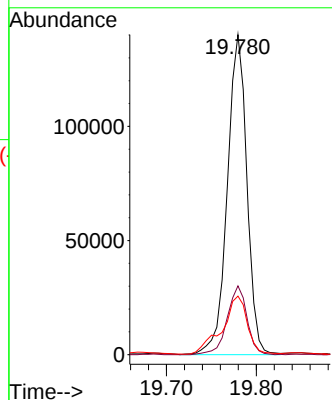
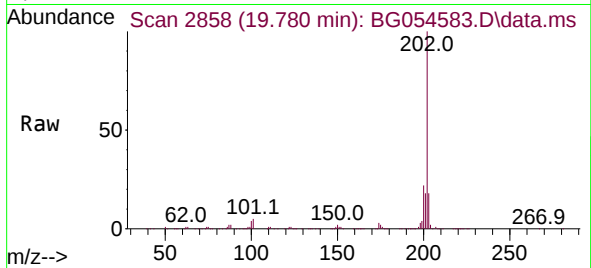




#78
Pyrene
Concen: 19.975 ng
RT: 19.780 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

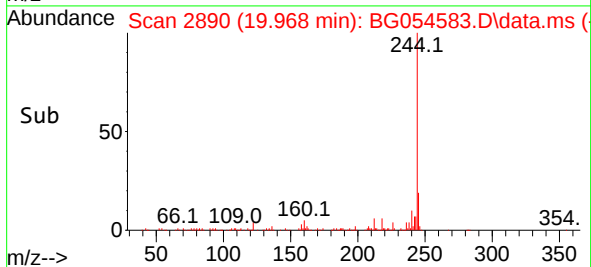
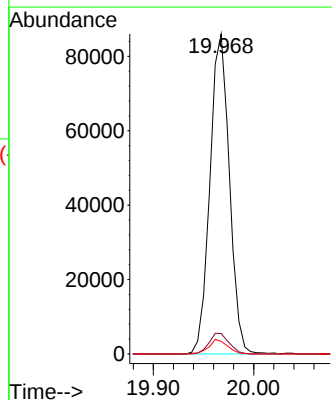
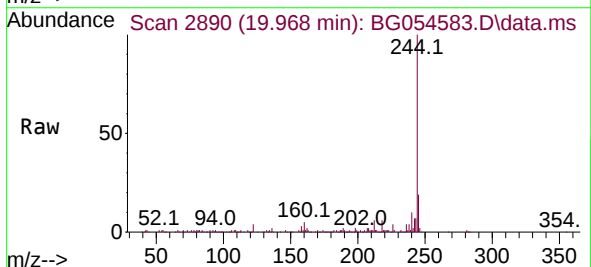
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

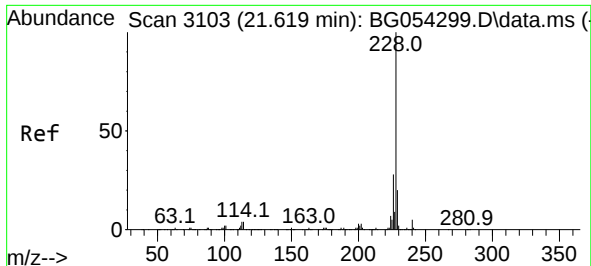
Tgt Ion:202 Resp: 212364
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 18.3 14.6 21.8



#79
Terphenyl-d14
Concen: 12.400 ng
RT: 19.968 min Scan# 2890
Delta R.T. -0.002 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:244 Resp: 115810
Ion Ratio Lower Upper
244 100
212 6.4 6.5 9.7#
122 3.9 5.0 7.4#

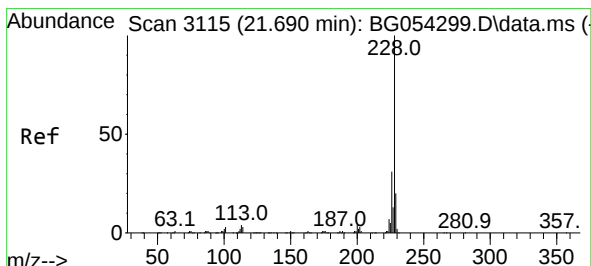
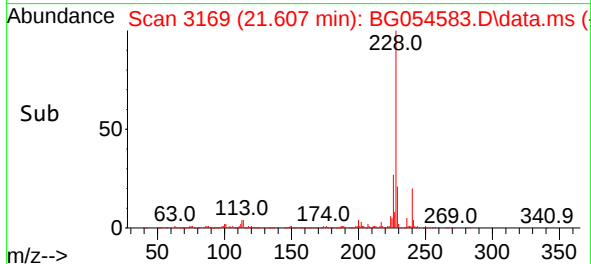
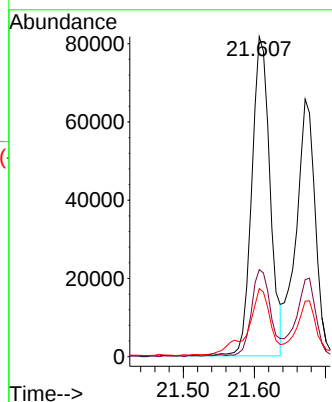
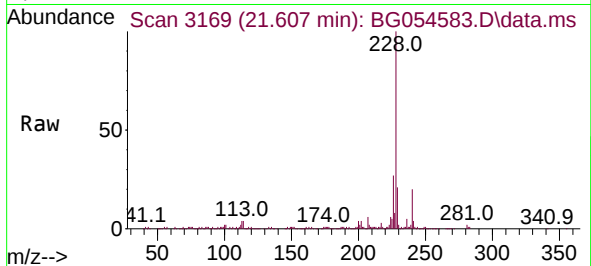




#81
Benzo(a)anthracene
Concen: 12.391 ng
RT: 21.607 min Scan# 3103
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

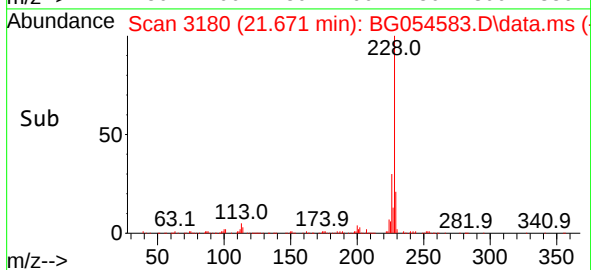
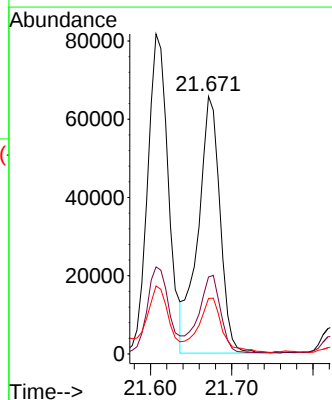
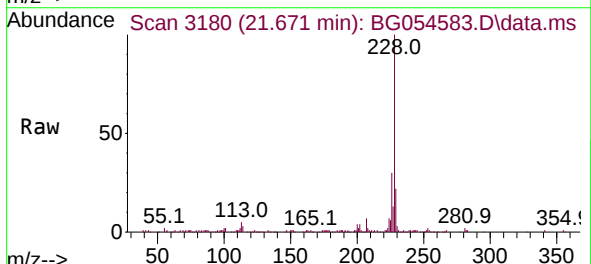
Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

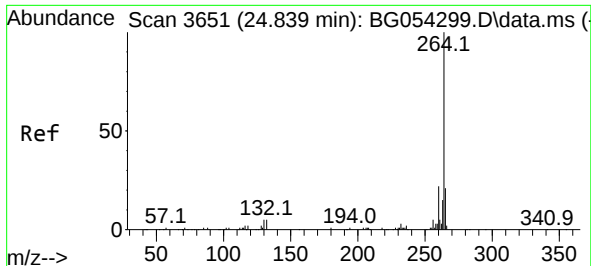
Tgt Ion:228 Resp: 145738
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 21.3 16.2 24.2



#83
Chrysene
Concen: 11.072 ng
RT: 21.671 min Scan# 3180
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:228 Resp: 123035
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 21.5 15.5 23.3

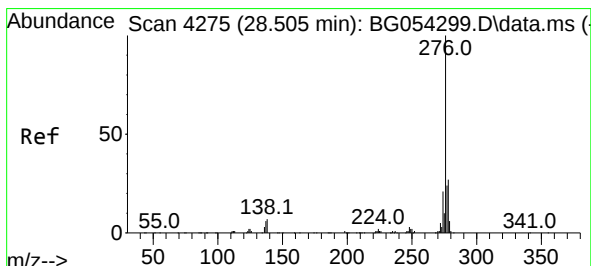
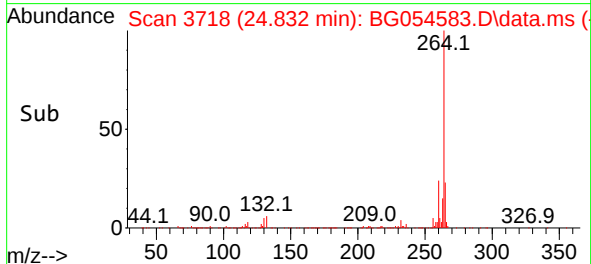
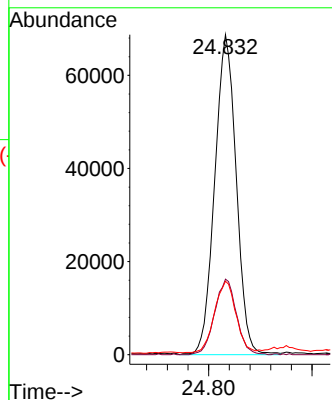
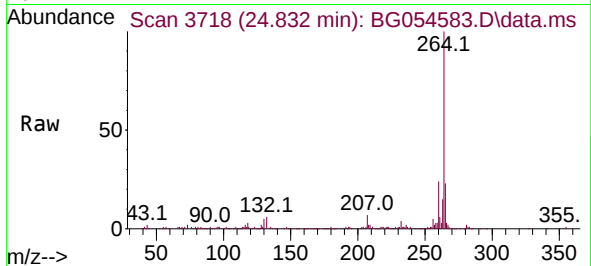




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.832 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17

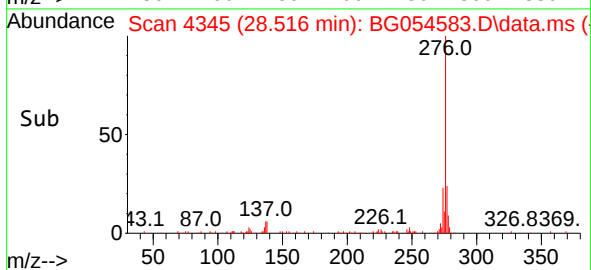
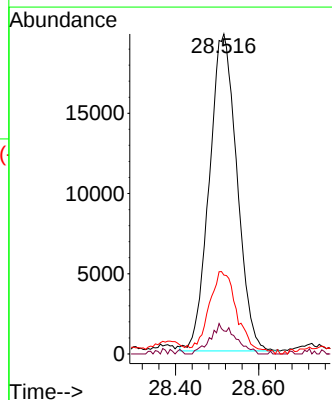
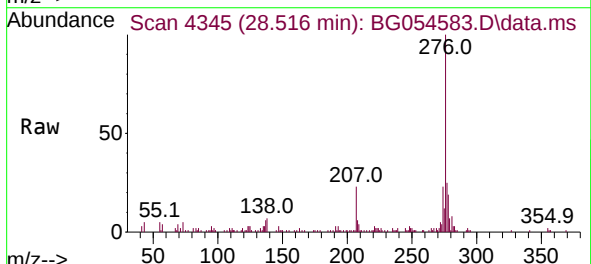
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-080522DL

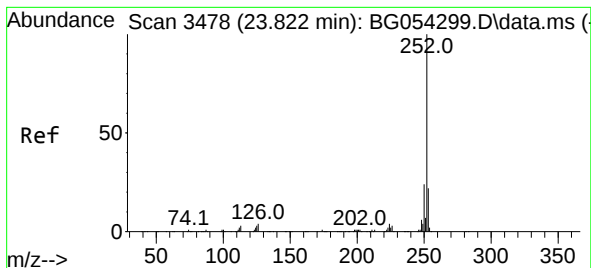
Tgt Ion:264 Resp: 198186
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 22.9 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.042 ng
 RT: 28.516 min Scan# 4345
 Delta R.T. -0.014 min
 Lab File: BG054583.D
 Acq: 10 Aug 2022 11:17

Tgt Ion:276 Resp: 91098
 Ion Ratio Lower Upper
 276 100
 138 8.5 5.0 7.4#
 277 26.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 15.334 ng

RT: 23.822 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG054583.D

Acq: 10 Aug 2022 11:17

Instrument :

BNA_G

ClientSampleId :

PL-02-080522DL

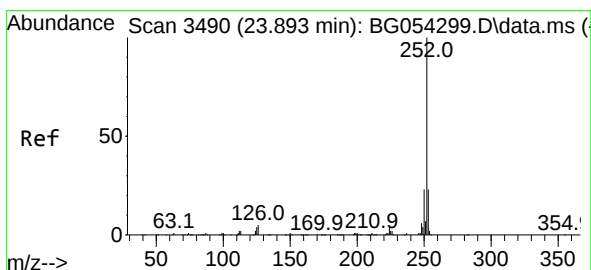
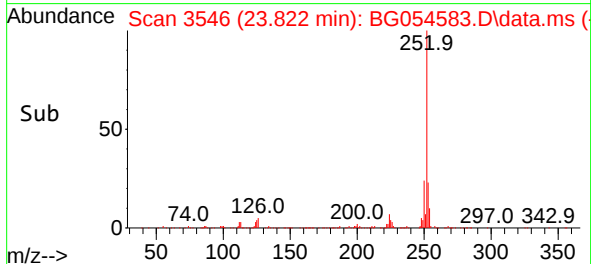
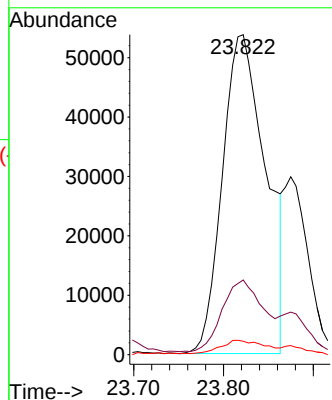
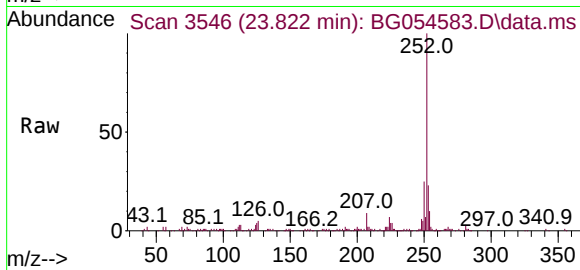
Tgt Ion:252 Resp: 179725

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 4.2 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 15.408 ng

RT: 23.822 min Scan# 3546

Delta R.T. -0.061 min

Lab File: BG054583.D

Acq: 10 Aug 2022 11:17

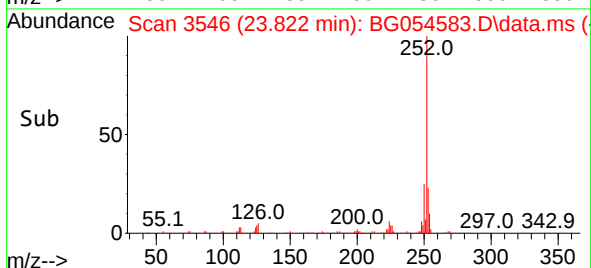
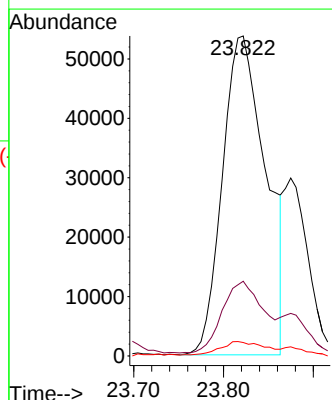
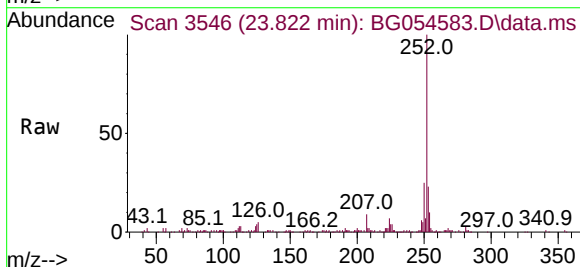
Tgt Ion:252 Resp: 179725

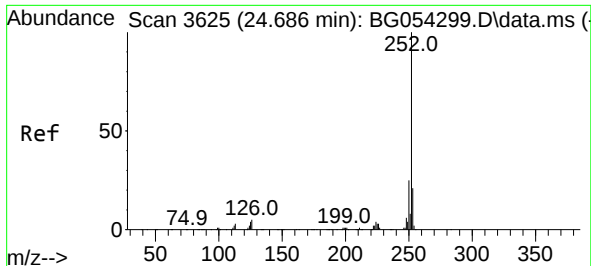
Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

125 4.2 4.8 7.2#

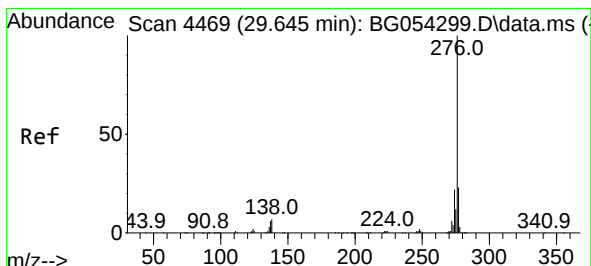
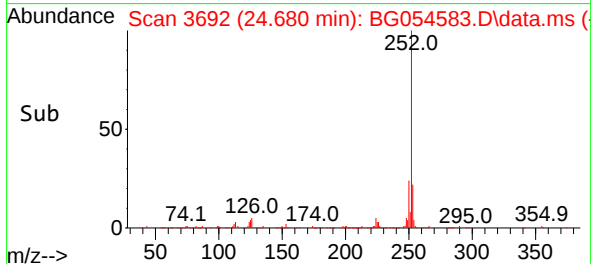
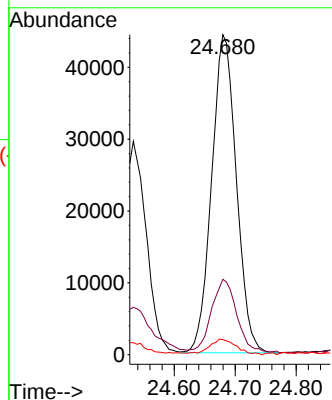
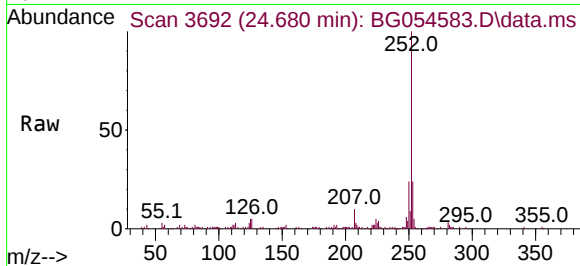




#90
Benzo(a)pyrene
Concen: 12.439 ng
RT: 24.680 min Scan# 30
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Instrument :
BNA_G
ClientSampleId :
PL-02-080522DL

Tgt Ion:252 Resp: 124505
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 4.7 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 7.090 ng
RT: 29.668 min Scan# 4541
Delta R.T. -0.008 min
Lab File: BG054583.D
Acq: 10 Aug 2022 11:17

Tgt Ion:276 Resp: 86748
Ion Ratio Lower Upper
276 100
277 26.5 17.3 25.9#
138 8.5 9.6 14.4#

