

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054556.D
 Acq On : 8 Aug 2022 16:51
 Operator : CG/JU
 Sample : N4064-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-02

Quant Time: Aug 09 01:54:54 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)

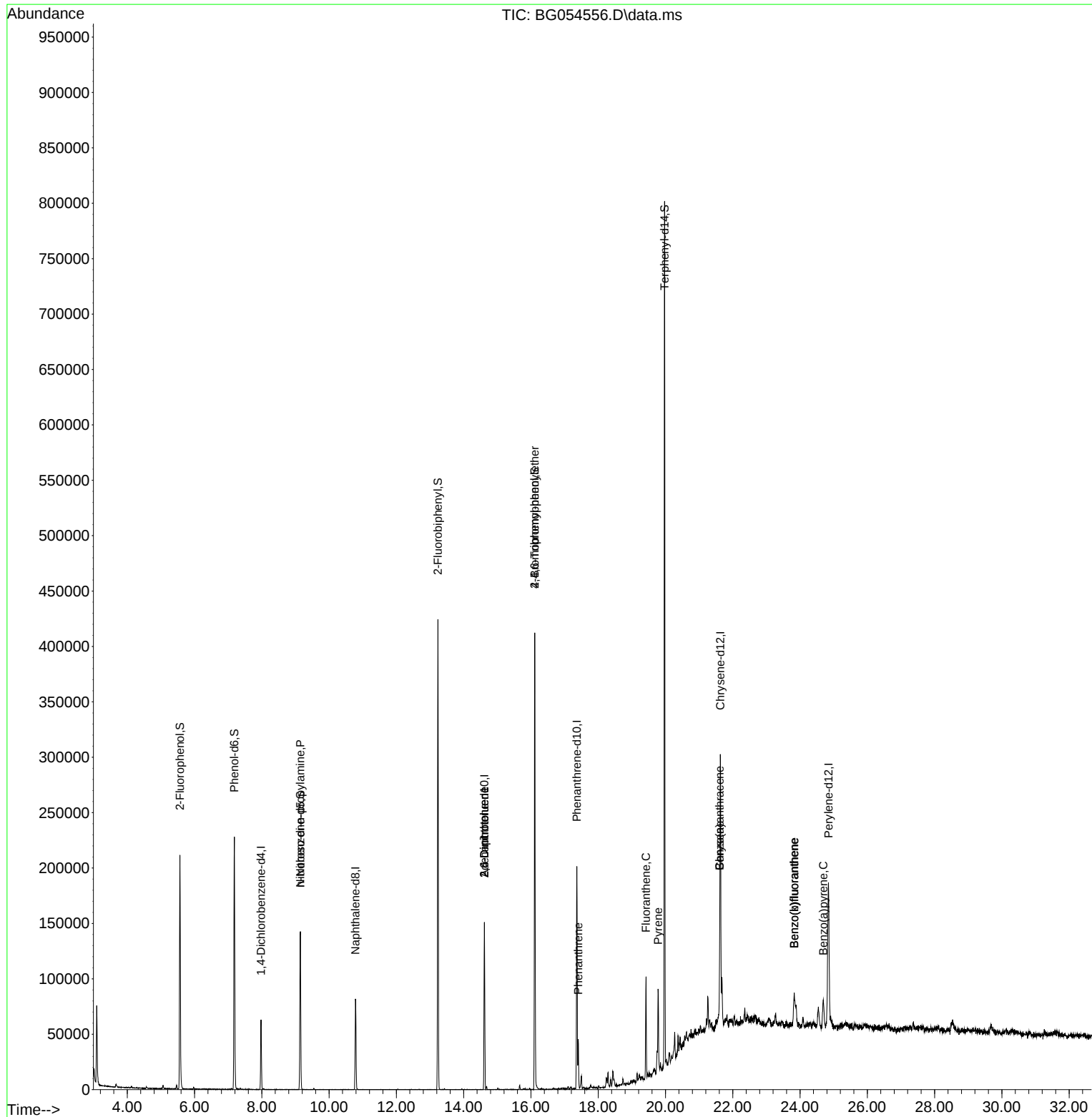
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	19705	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	75781	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	59501	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	143035	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	156467	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	168370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	96618	102.374	ng	0.00
7) Phenol-d6	7.183	99	131224	101.472	ng	0.00
23) Nitrobenzene-d5	9.145	82	87794	63.090	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	109333	87.515	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	245325	58.163	ng	0.00
79) Terphenyl-d14	19.974	244	440787	55.886	ng	0.00
Target Compounds						
9) Benzaldehyde	7.183	77	164	Below Cal		Qvalue # 56
19) n-Nitroso-di-n-propyla...	9.145	70	12982	15.033	ng	# 84
51) 2,6-Dinitrotoluene	14.615	165	8073	7.919	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	8073	5.524	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6183	3.078	ng	# 1
71) Phenanthrene	17.406	178	32376	4.545	ng	99
75) Fluoranthene	19.422	202	60650	6.246	ng	97
78) Pyrene	19.780	202	54267	6.044	ng	97
81) Benzo(a)anthracene	21.613	228	35944	3.619	ng	97
83) Chrysene	21.613	228	35944	3.830	ng	95
88) Benzo(b)fluoranthene	23.828	252	37905	3.807	ng	# 98
89) Benzo(k)fluoranthene	23.828	252	37905	3.825	ng	# 97
90) Benzo(a)pyrene	24.692	252	30188	3.550	ng	98

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

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Sample : N4064-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration

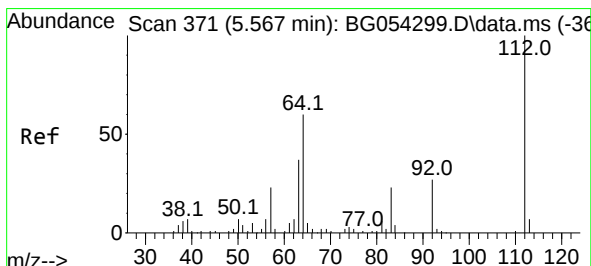
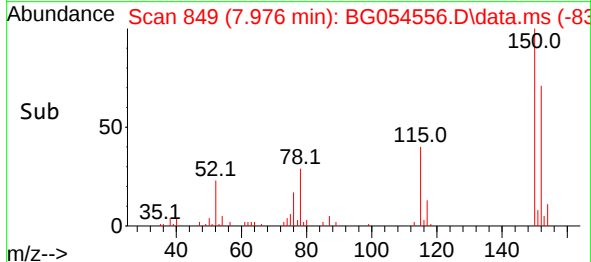
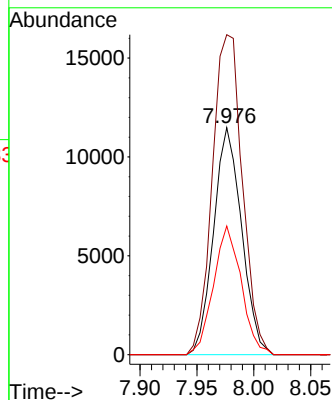
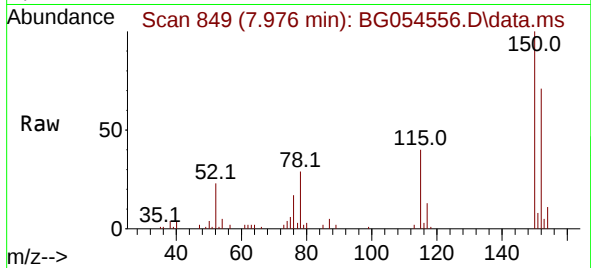




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

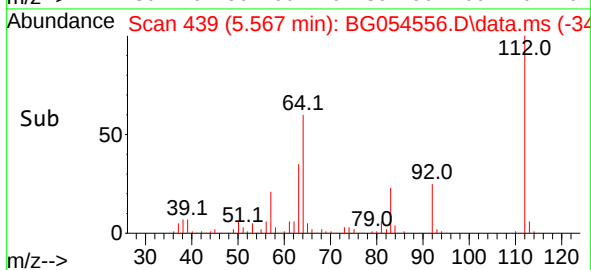
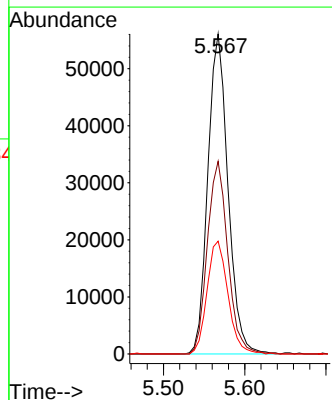
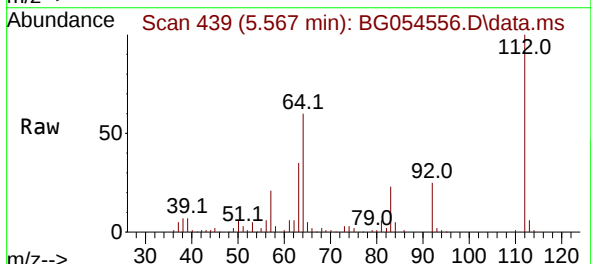
Instrument :
BNA_G
ClientSampleId :
SB-02

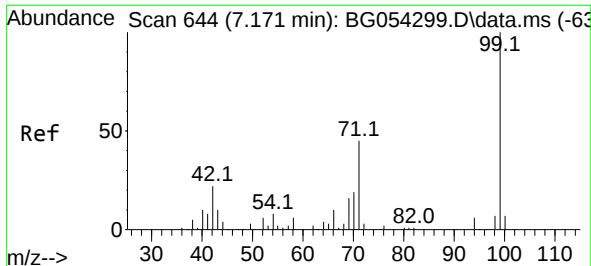
Tgt Ion:152 Resp: 19705
Ion Ratio Lower Upper
152 100
150 140.9 131.6 197.4
115 56.7 50.9 76.3



#5
2-Fluorophenol
Concen: 102.374 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:112 Resp: 96618
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 35.2 30.4 45.6





#7
Phenol-d6
Concen: 101.472 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

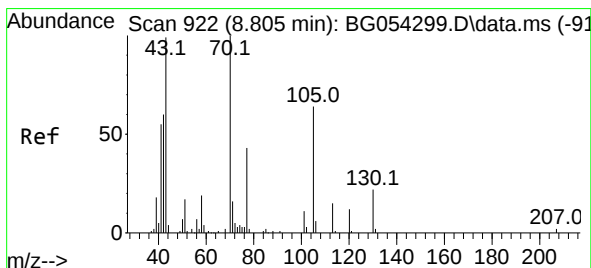
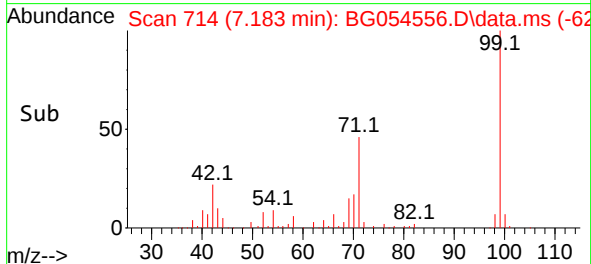
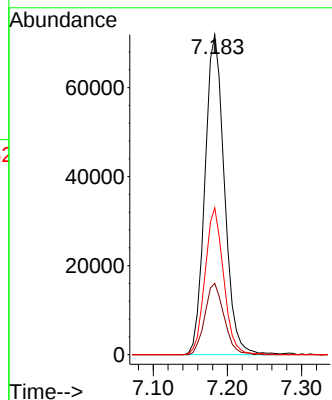
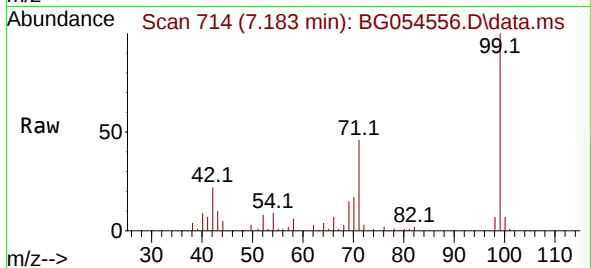
Instrument :

BNA_G

ClientSampleId :

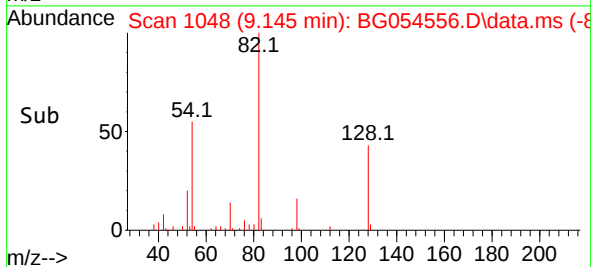
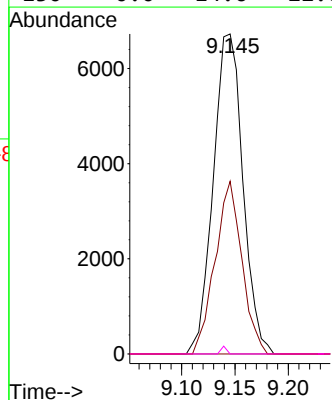
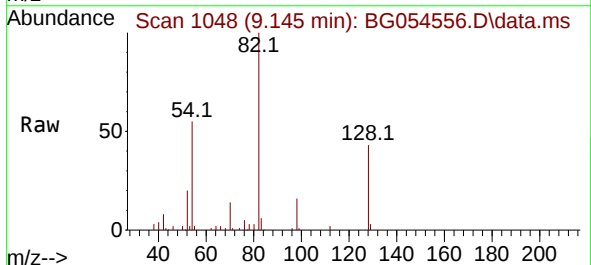
SB-02

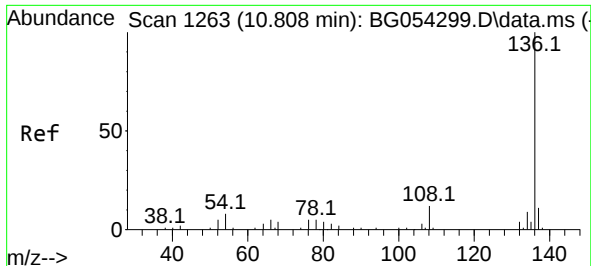
Tgt Ion: 99 Resp: 131224
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 45.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.033 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.362 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion: 70 Resp: 12982
Ion Ratio Lower Upper
70 100
42 53.9 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

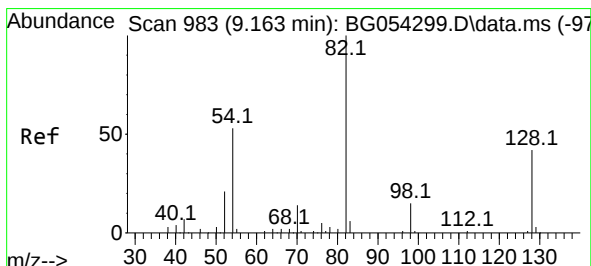
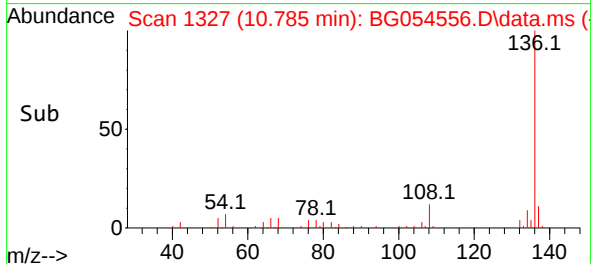
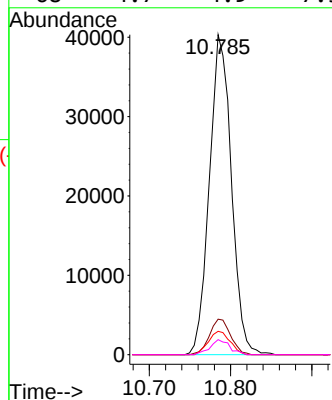
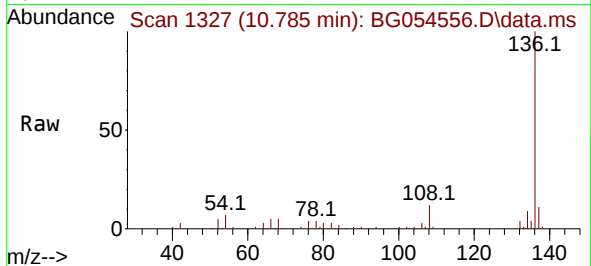




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

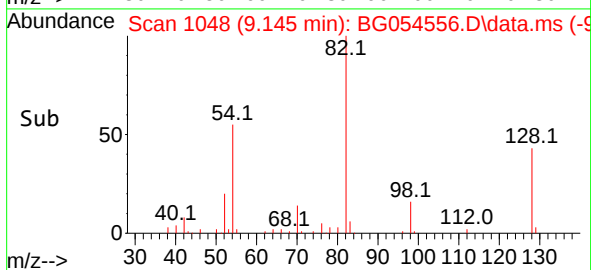
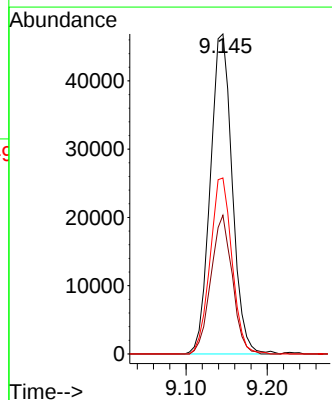
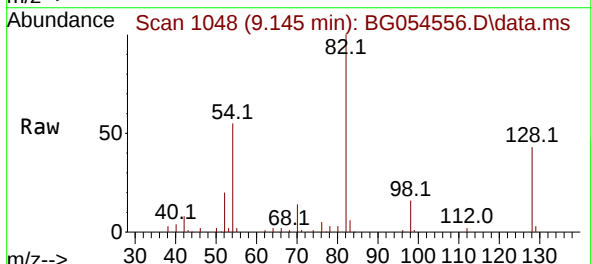
Instrument :
BNA_G
ClientSampleId :
SB-02

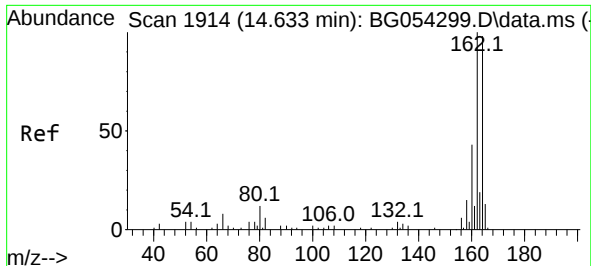
Tgt Ion:	136	Resp:	75781
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.3	7.4	11.2#
68	4.7	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 63.090 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.004 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:	82	Resp:	87794
Ion	Ratio	Lower	Upper
82	100		
128	43.4	27.9	41.9#
54	55.0	41.2	61.8

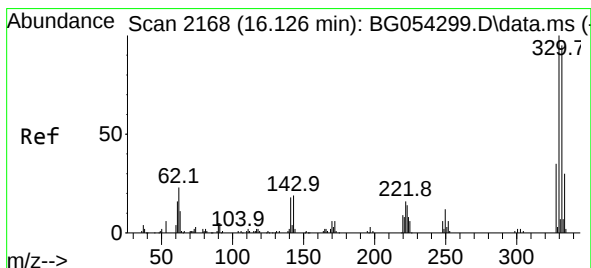
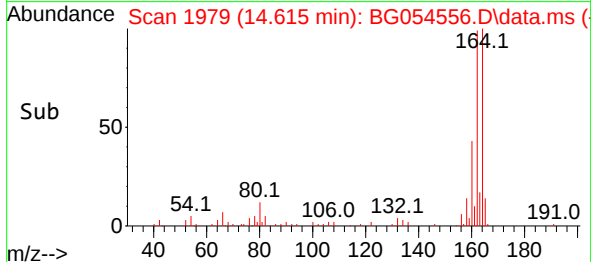
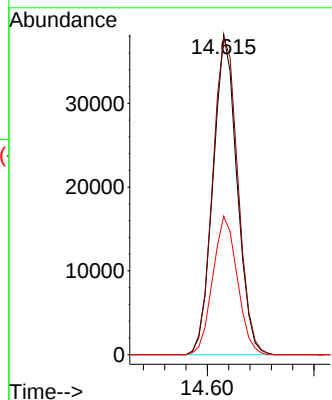
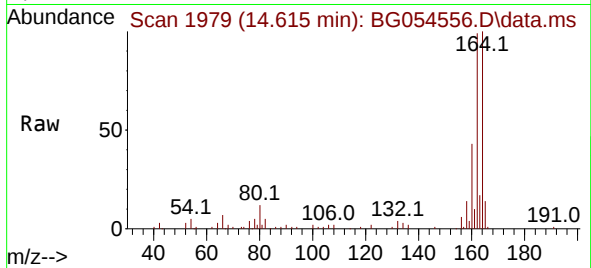




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1914
Delta R.T. -0.002 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

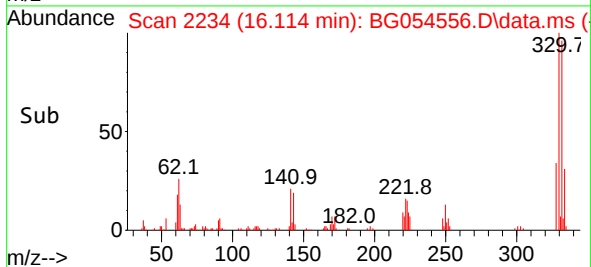
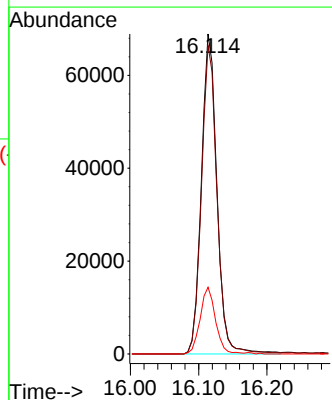
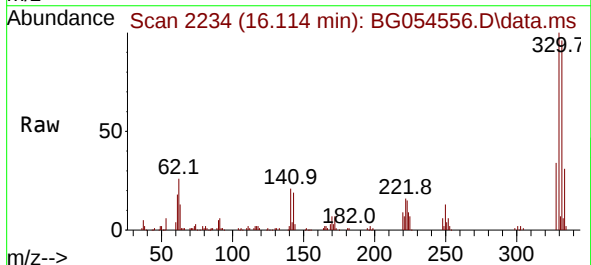
Instrument :
BNA_G
ClientSampleId :
SB-02

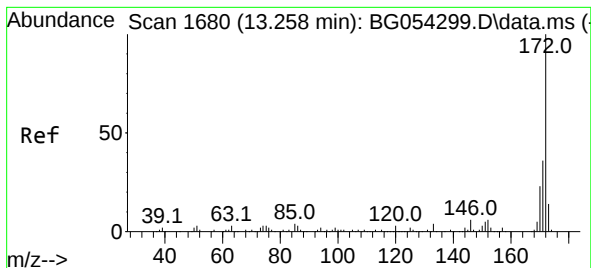
Tgt Ion:164 Resp: 59501
Ion Ratio Lower Upper
164 100
162 99.2 82.3 123.5
160 43.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 87.515 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.002 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:330 Resp: 109333
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 20.8 27.1 40.7#

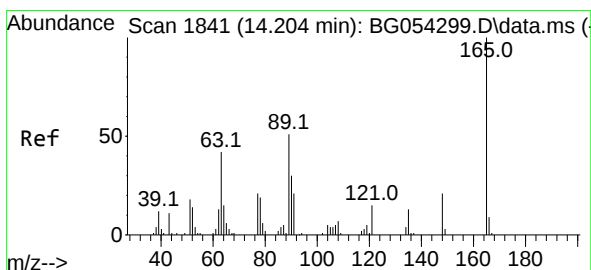
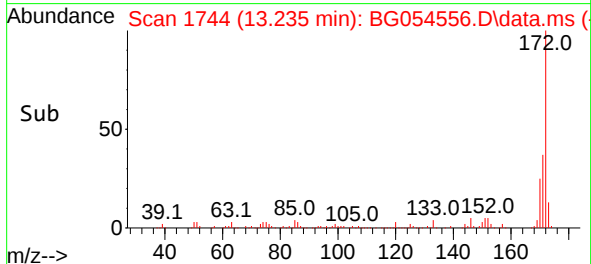
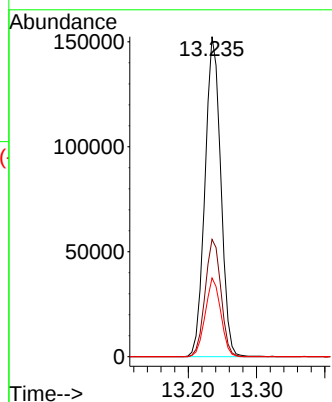
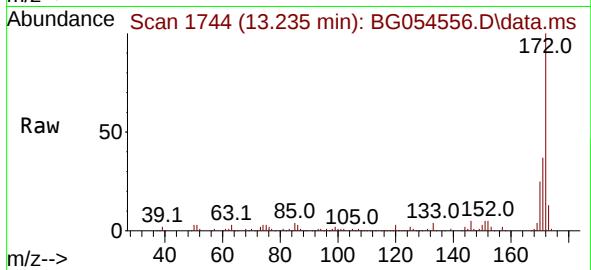




#45
2-Fluorobiphenyl
Concen: 58.163 ng
RT: 13.235 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

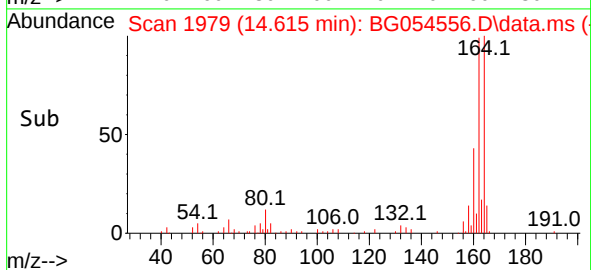
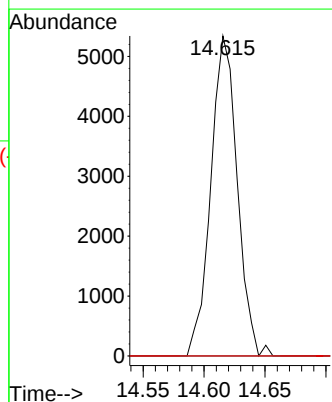
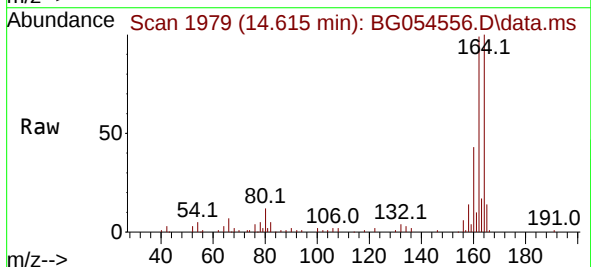
Instrument :
BNA_G
ClientSampleId :
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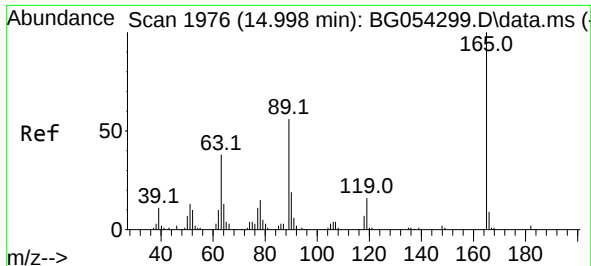
Tgt Ion:172 Resp: 245325
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.919 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.421 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:165 Resp: 8073
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: 5.524 ng

RT: 14.615 min Scan# 14

Delta R.T. -0.378 min

Lab File: BG054556.D

Acq: 8 Aug 2022 16:51

Instrument :

BNA_G

ClientSampleId :

SB-02

Tgt Ion:165 Resp: 8073

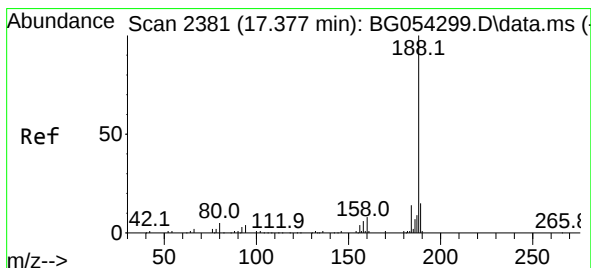
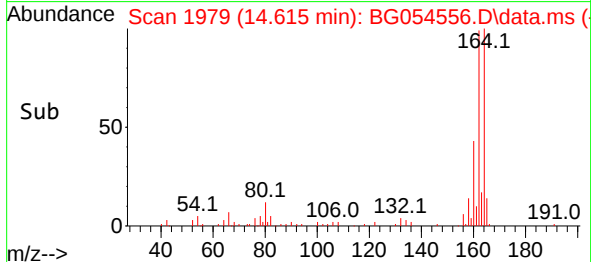
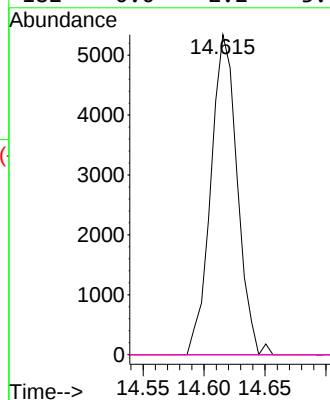
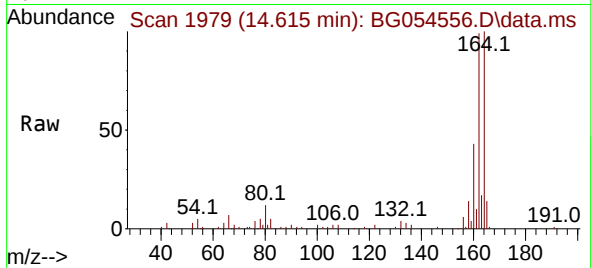
Ion Ratio Lower Upper

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: 17.365 min Scan# 2447

Delta R.T. 0.004 min

Lab File: BG054556.D

Acq: 8 Aug 2022 16:51

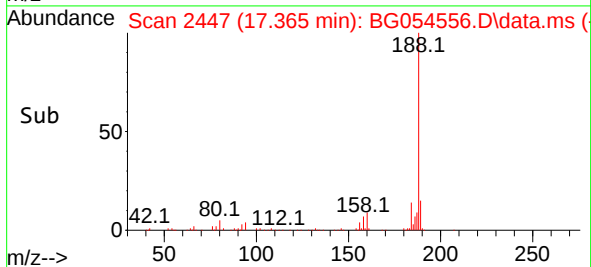
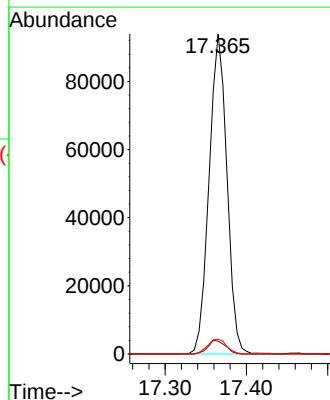
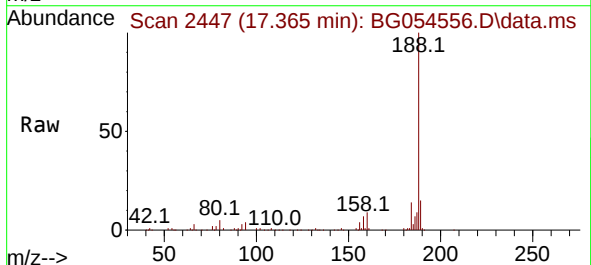
Tgt Ion:188 Resp: 143035

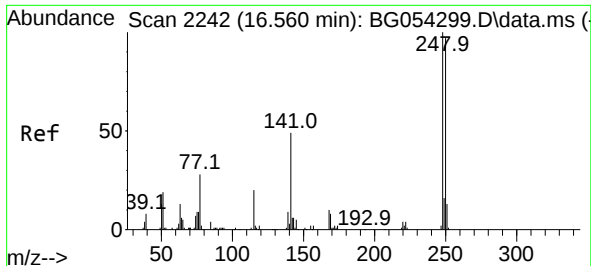
Ion Ratio Lower Upper

188 100

94 4.0 5.4 8.0#

80 4.6 6.8 10.2#

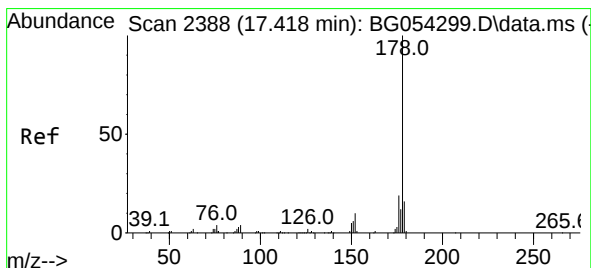
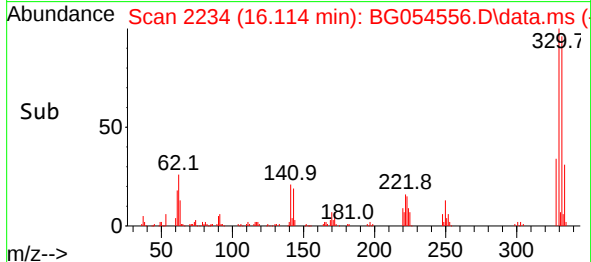
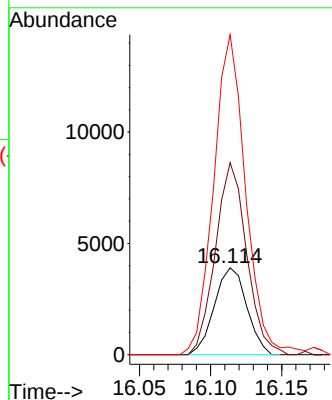
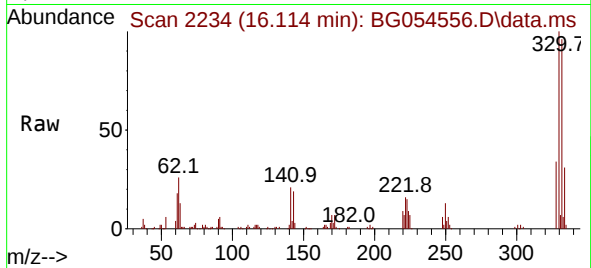




#67
4-Bromophenyl-phenylether
Concen: 3.078 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.431 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

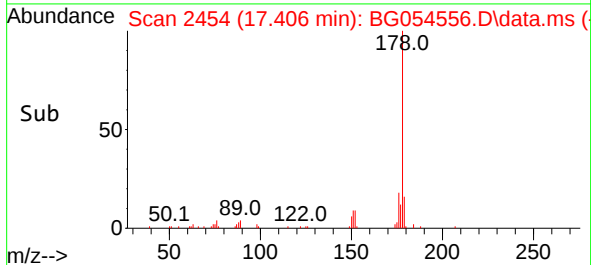
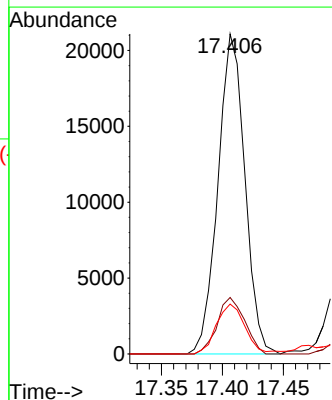
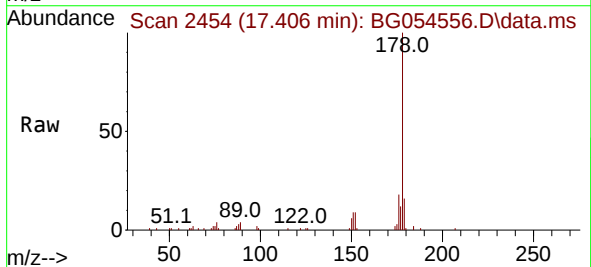
Instrument :
BNA_G
ClientSampleId :
SB-02

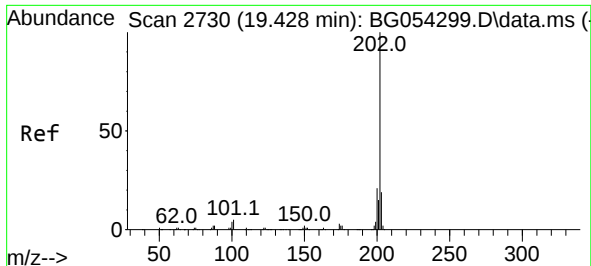
Tgt Ion:248 Resp: 6183
Ion Ratio Lower Upper
248 100
250 219.9 75.2 112.8#
141 278.5 50.0 75.0#



#71
Phenanthrene
Concen: 4.545 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:178 Resp: 32376
Ion Ratio Lower Upper
178 100
176 17.7 14.1 21.1
179 15.6 12.1 18.1

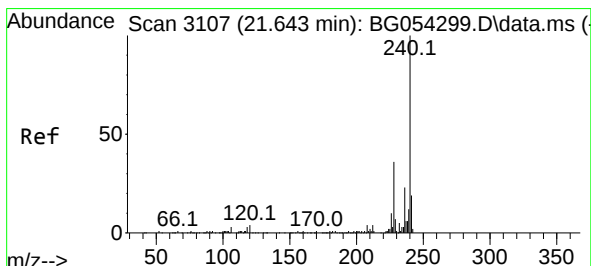
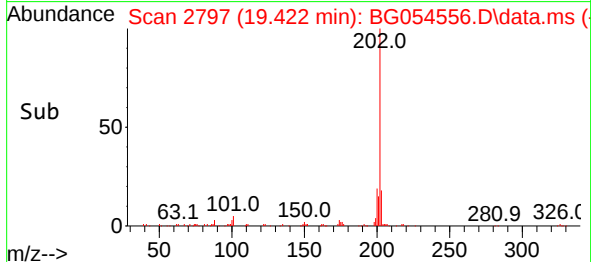
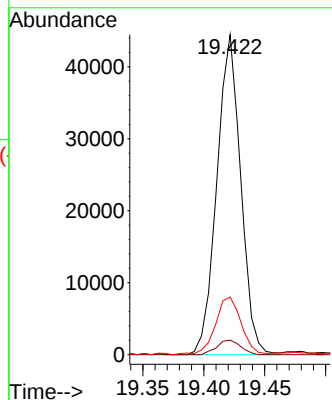
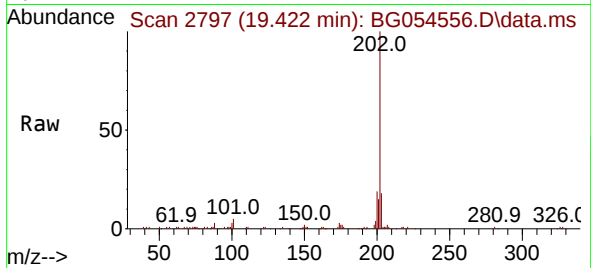




#75
Fluoranthene
Concen: 6.246 ng
RT: 19.422 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

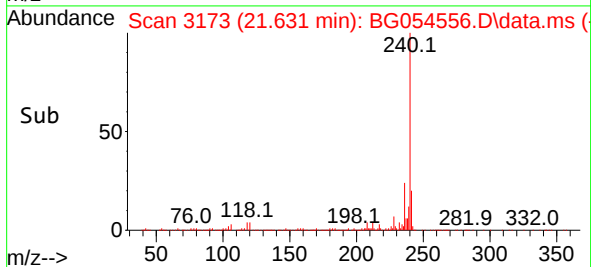
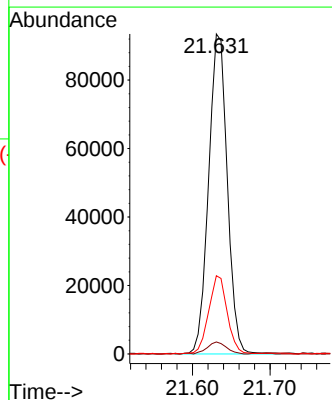
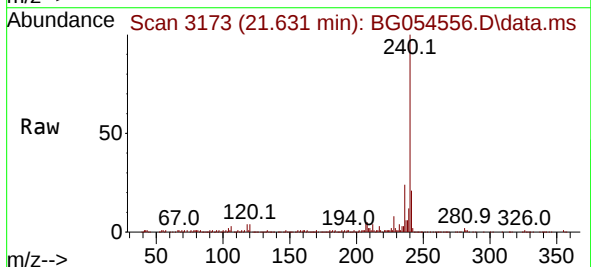
Instrument :
BNA_G
ClientSampleId :
SB-02

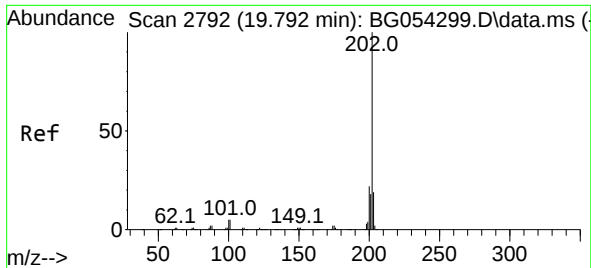
Tgt Ion:202 Resp: 60650
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.9
203 18.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.002 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:240 Resp: 156467
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 24.5 20.2 30.4

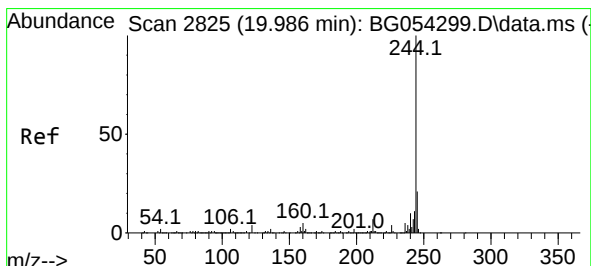
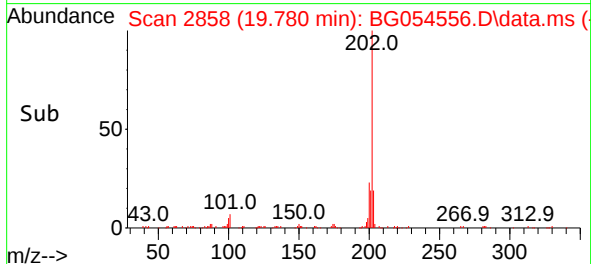
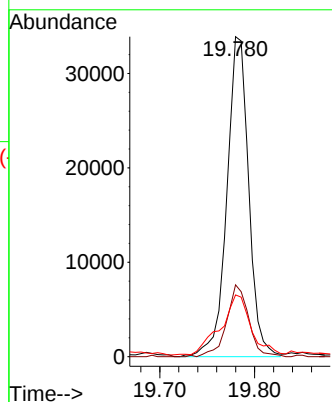
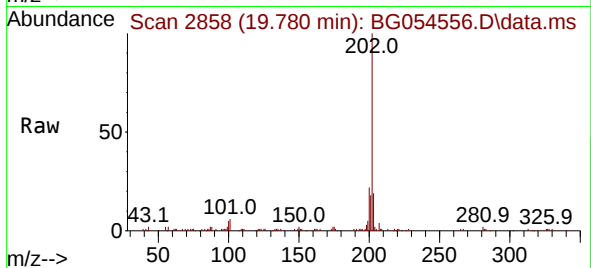




#78
 Pyrene
 Concen: 6.044 ng
 RT: 19.780 min Scan# 2858
 Delta R.T. -0.002 min
 Lab File: BG054556.D
 Acq: 8 Aug 2022 16:51

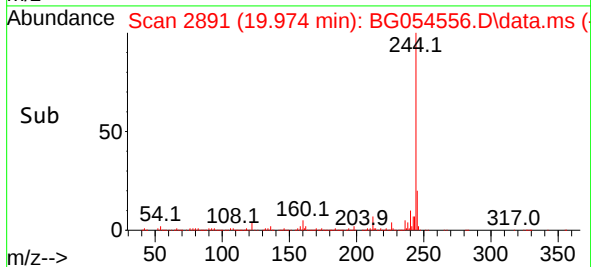
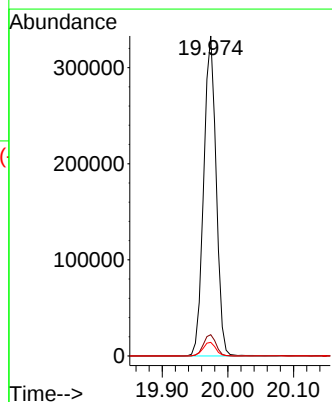
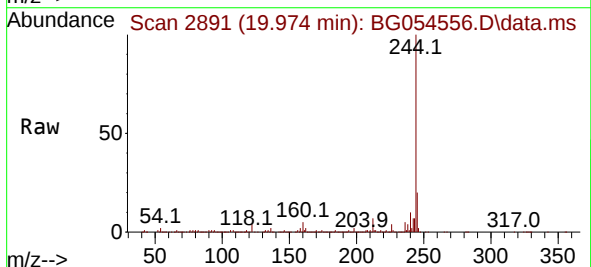
Instrument :
 BNA_G
 ClientSampleId :
 SB-02

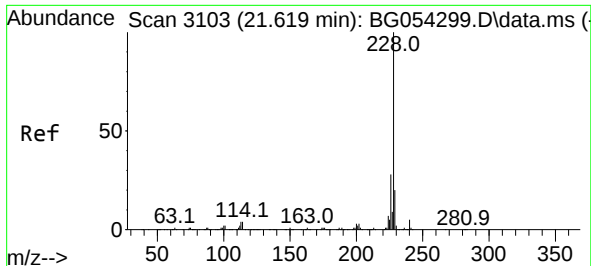
Tgt Ion:202 Resp: 54267
 Ion Ratio Lower Upper
 202 100
 200 22.5 16.6 24.8
 203 19.3 14.6 21.8



#79
 Terphenyl-d14
 Concen: 55.886 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. 0.004 min
 Lab File: BG054556.D
 Acq: 8 Aug 2022 16:51

Tgt Ion:244 Resp: 440787
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.2 5.0 7.4#

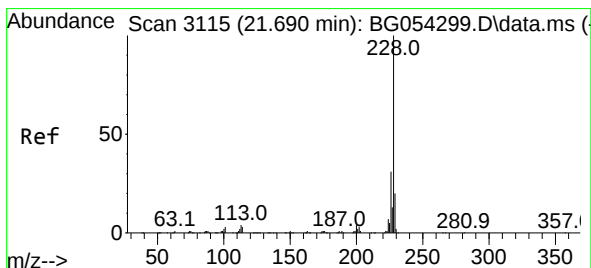
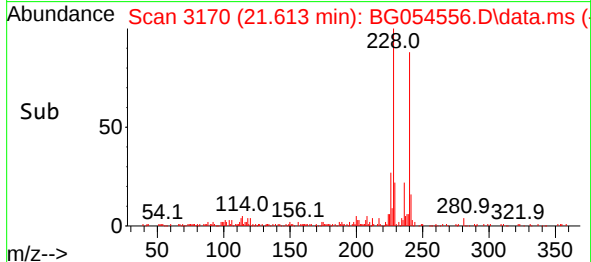
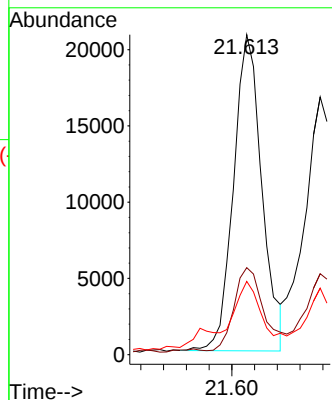
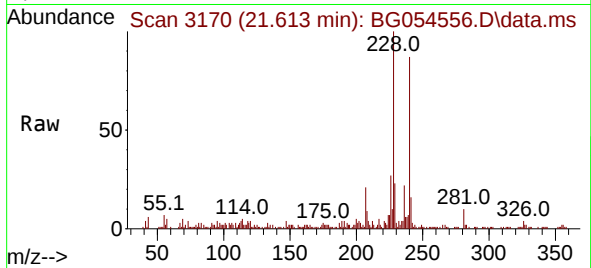




#81
Benzo(a)anthracene
Concen: 3.619 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.002 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

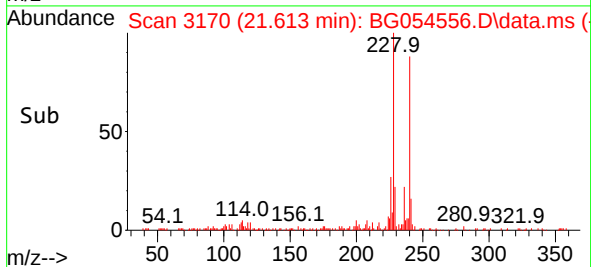
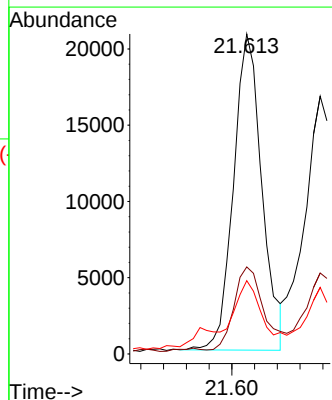
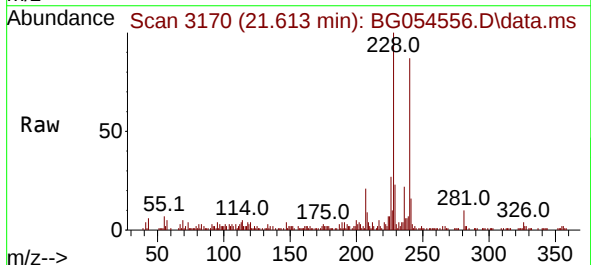
Instrument :
BNA_G
ClientSampleId :
SB-02

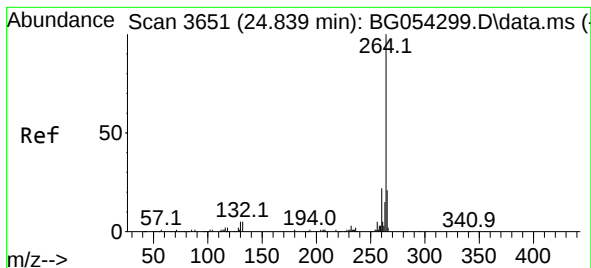
Tgt Ion:228 Resp: 35944
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 22.9 16.2 24.2



#83
Chrysene
Concen: 3.830 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.067 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:228 Resp: 35944
Ion Ratio Lower Upper
228 100
226 27.2 23.4 35.2
229 22.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.845 min Scan# 31

Delta R.T. 0.010 min

Lab File: BG054556.D

Acq: 8 Aug 2022 16:51

Instrument :

BNA_G

ClientSampleId :

SB-02

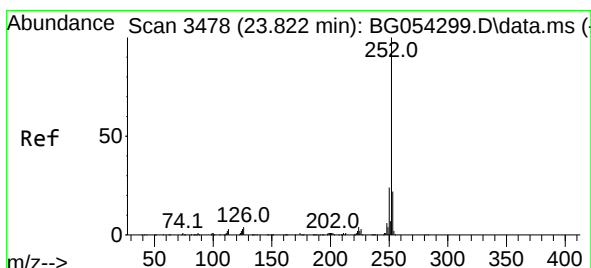
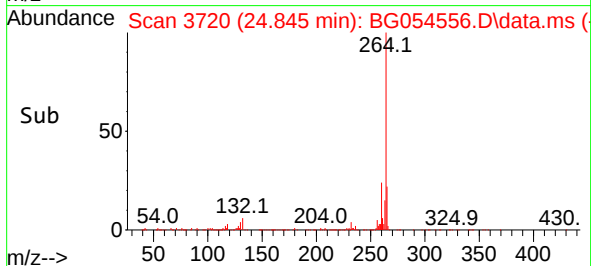
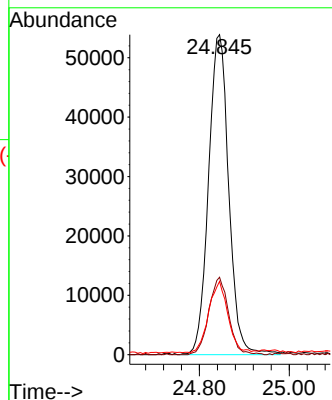
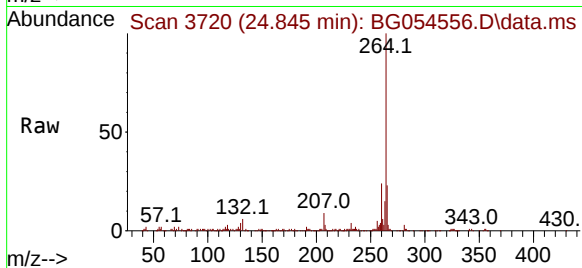
Tgt Ion:264 Resp: 168370

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.9 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.807 ng

RT: 23.828 min Scan# 3547

Delta R.T. 0.010 min

Lab File: BG054556.D

Acq: 8 Aug 2022 16:51

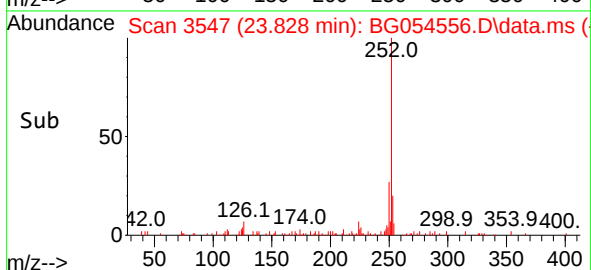
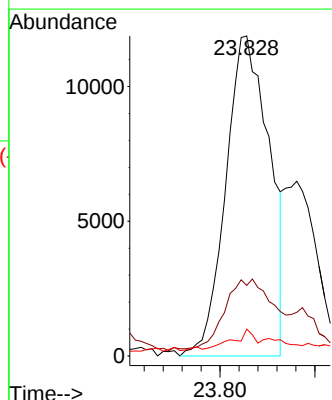
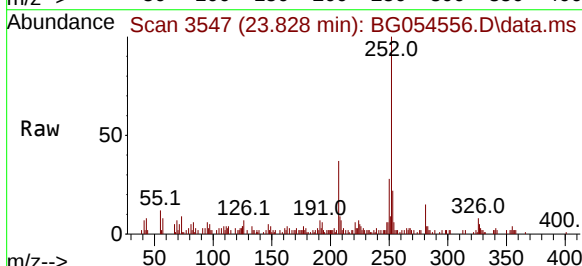
Tgt Ion:252 Resp: 37905

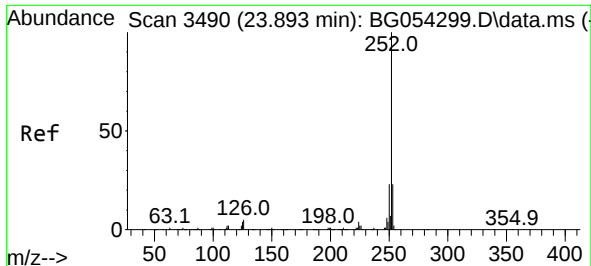
Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

125 8.4 4.6 6.8#

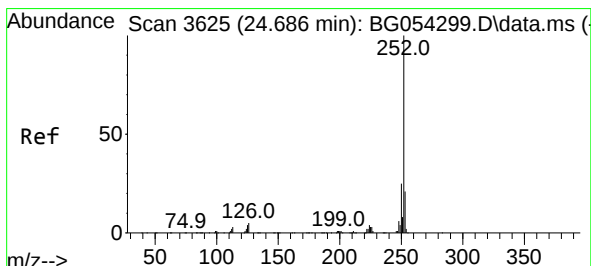
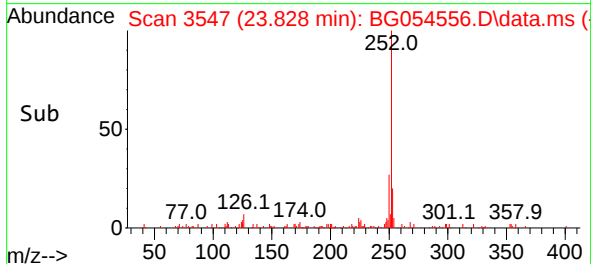
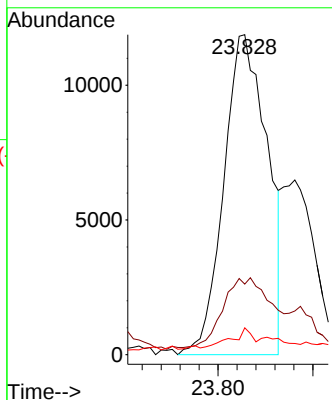
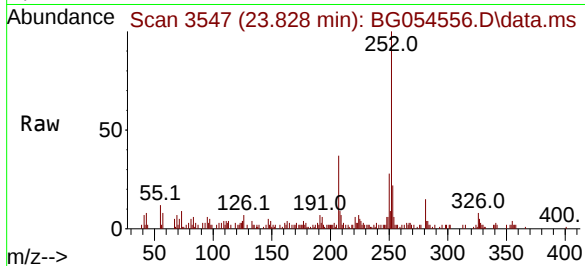




#89
Benzo(k)fluoranthene
Concen: 3.825 ng
RT: 23.828 min Scan# 31
Delta R.T. -0.055 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Instrument :
BNA_G
ClientSampleId :
SB-02

Tgt Ion:252 Resp: 37905
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 8.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 3.550 ng
RT: 24.692 min Scan# 3694
Delta R.T. 0.004 min
Lab File: BG054556.D
Acq: 8 Aug 2022 16:51

Tgt Ion:252 Resp: 30188
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 5.7 4.3 6.5

