

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
 Data File : BG054944.D
 Acq On : 14 Sep 2022 15:19
 Operator : CG/JU
 Sample : N4588-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 40152

Quant Time: Sep 15 03:20:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

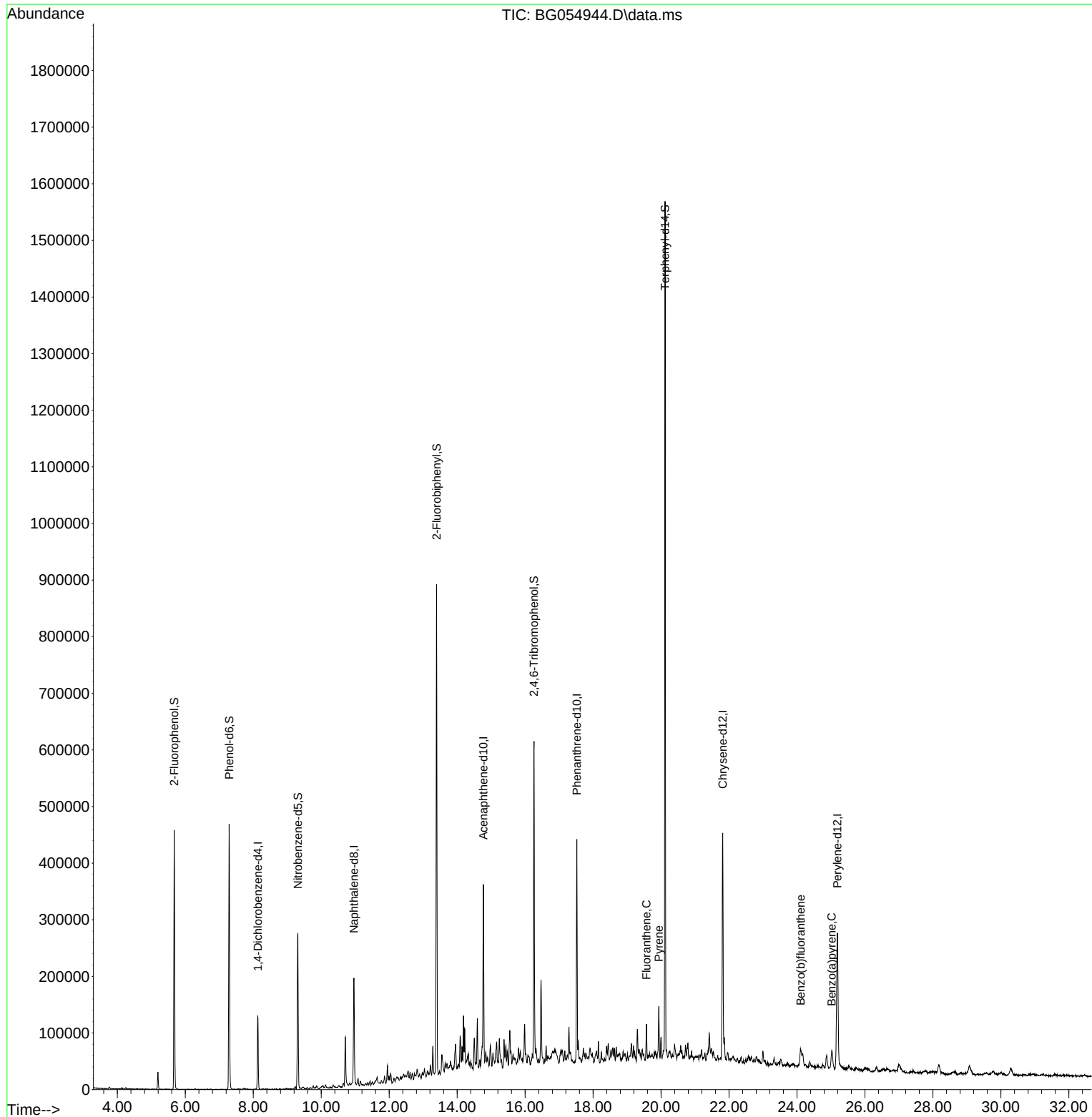
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.131	152	41814	20.000	ng	0.00
21) Naphthalene-d8	10.963	136	173727	20.000	ng	0.00
39) Acenaphthene-d10	14.770	164	119391	20.000	ng	0.00
64) Phenanthrene-d10	17.520	188	255358	20.000	ng	0.00
76) Chrysene-d12	21.815	240	254363	20.000	ng	0.00
86) Perylene-d12	25.187	264	271255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	226928	94.505	ng	0.00
7) Phenol-d6	7.290	99	317195	96.592	ng	0.00
23) Nitrobenzene-d5	9.312	82	180070	54.413	ng	0.00
42) 2,4,6-Tribromophenol	16.262	330	137570	92.213	ng	0.00
45) 2-Fluorobiphenyl	13.395	172	479881	60.412	ng	0.00
79) Terphenyl-d14	20.117	244	772668	60.188	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.570	202	37764	2.282	ng	97
78) Pyrene	19.934	202	46533	2.624	ng	94
88) Benzo(b)fluoranthene	24.106	252	43278	2.543	ng	99
90) Benzo(a)pyrene	25.023	252	29901	2.057	ng	96

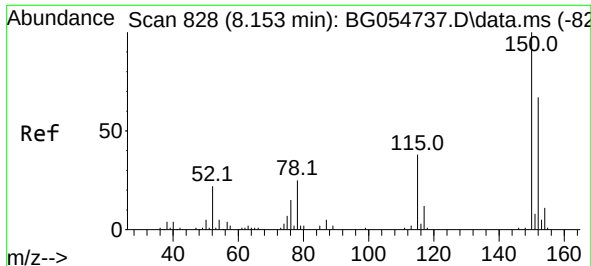
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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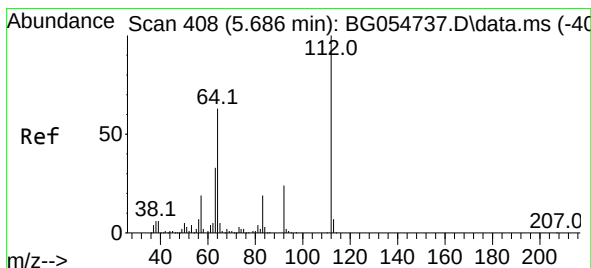
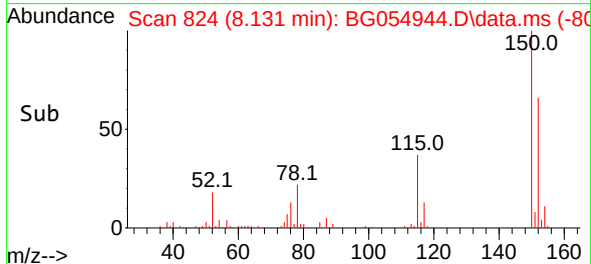
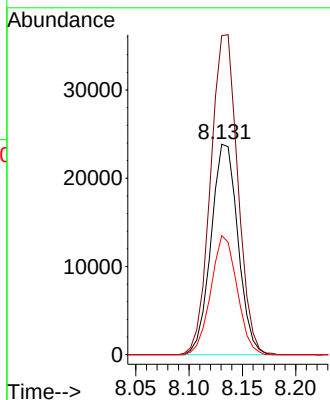
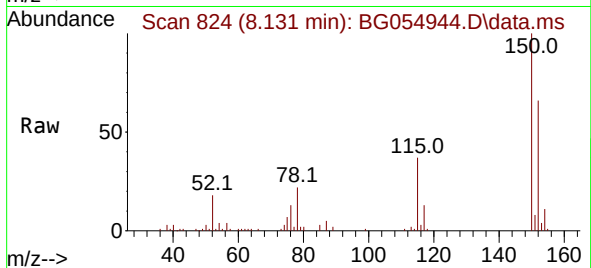




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.131 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054944.D
Acq: 14 Sep 2022 15:19

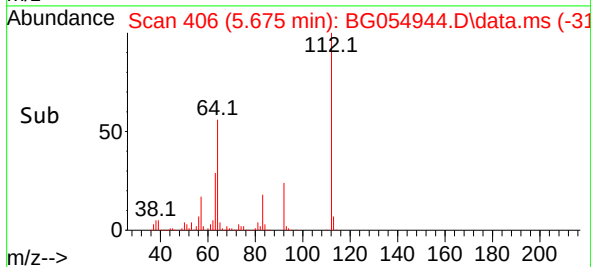
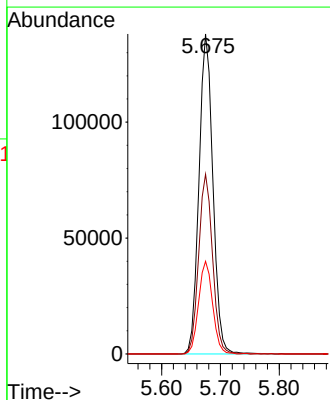
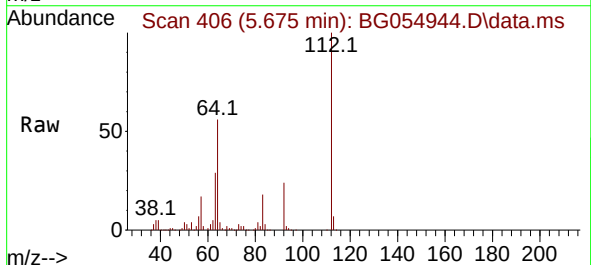
Instrument :
BNA_G
ClientSampleId :
40152

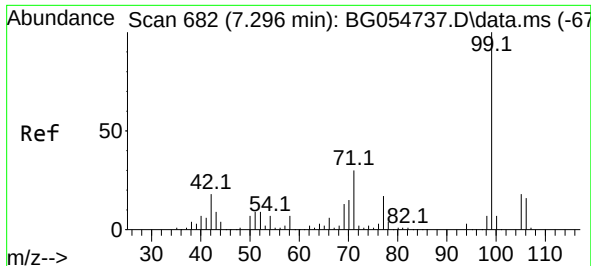
Tgt Ion:152 Resp: 41814
Ion Ratio Lower Upper
152 100
150 151.6 125.2 187.8
115 56.5 47.9 71.9



#5
2-Fluorophenol
Concen: 94.505 ng
RT: 5.675 min Scan# 406
Delta R.T. 0.002 min
Lab File: BG054944.D
Acq: 14 Sep 2022 15:19

Tgt Ion:112 Resp: 226928
Ion Ratio Lower Upper
112 100
64 56.1 49.3 73.9
63 29.0 26.3 39.5

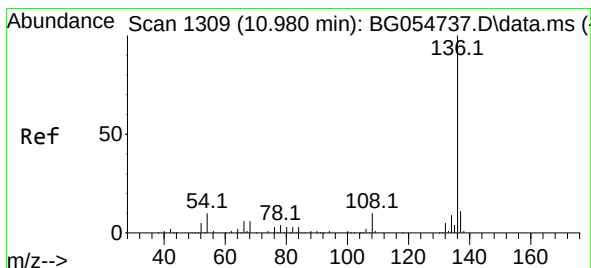
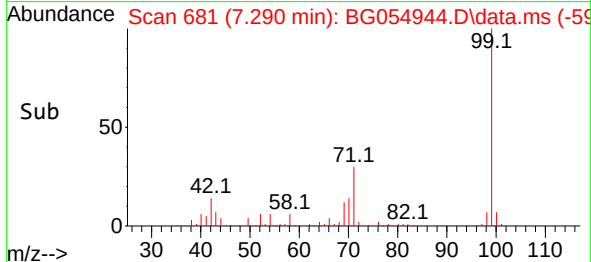
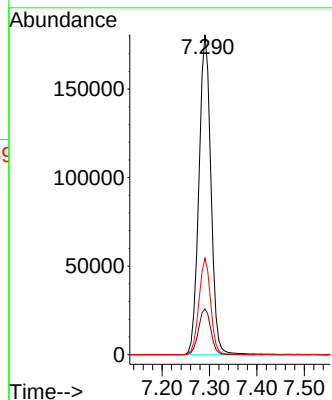
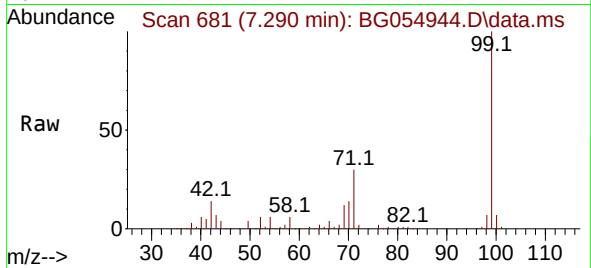




#7
Phenol-d6
Concen: 96.592 ng
RT: 7.290 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG054944.D
Acq: 14 Sep 2022 15:19

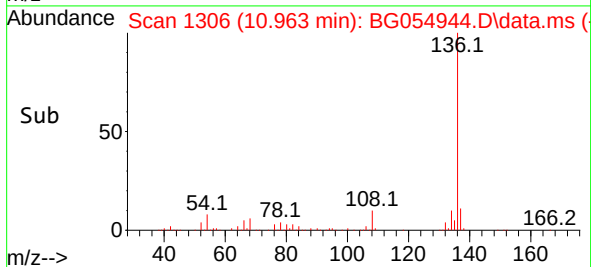
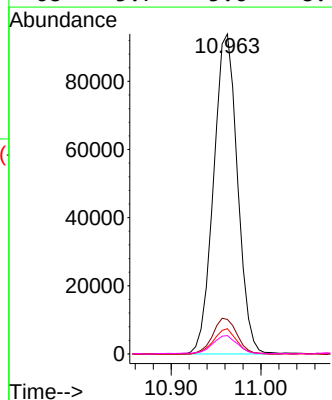
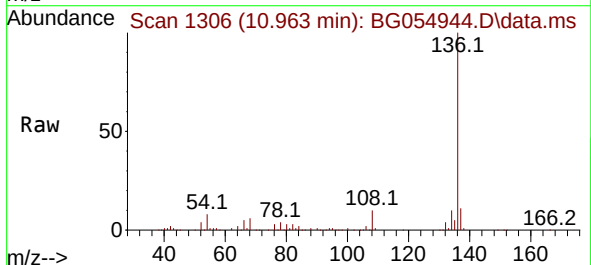
Instrument :
BNA_G
ClientSampleId :
40152

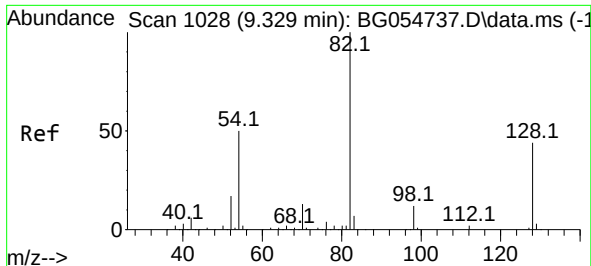
Tgt Ion: 99 Resp: 317195
Ion Ratio Lower Upper
99 100
42 14.3 14.6 22.0#
71 30.2 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.963 min Scan# 1306
Delta R.T. 0.002 min
Lab File: BG054944.D
Acq: 14 Sep 2022 15:19

Tgt Ion: 136 Resp: 173727
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.9 7.7 11.5
68 5.7 5.6 8.4





#23

Nitrobenzene-d5

Concen: 54.413 ng

RT: 9.312 min Scan# 1025

Delta R.T. 0.002 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

Instrument :

BNA_G

ClientSampleId :

40152

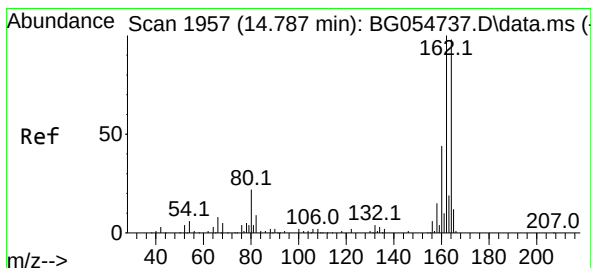
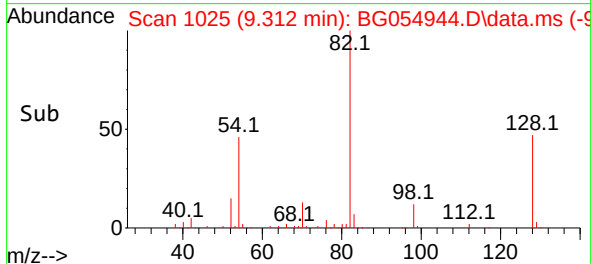
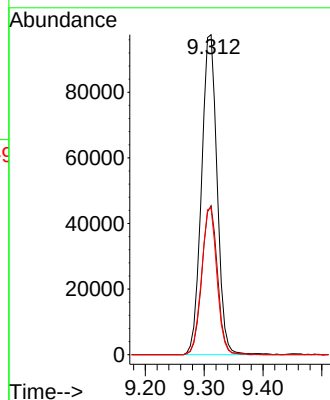
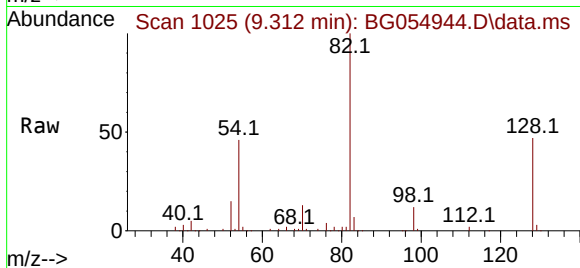
Tgt Ion: 82 Resp: 180070

Ion Ratio Lower Upper

82 100

128 46.6 32.2 48.2

54 45.8 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.770 min Scan# 1954

Delta R.T. -0.004 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

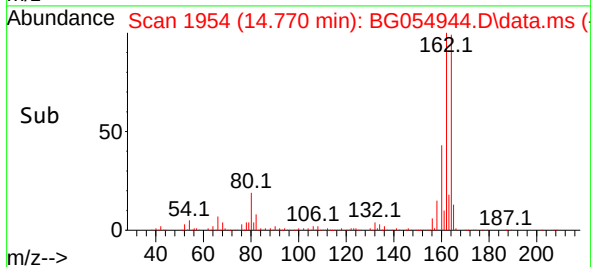
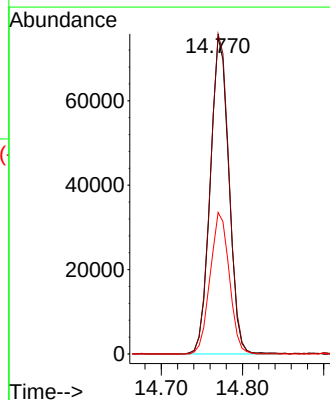
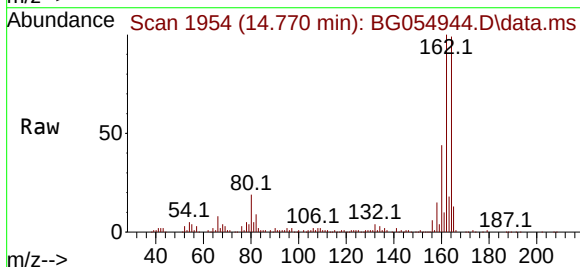
Tgt Ion:164 Resp: 119391

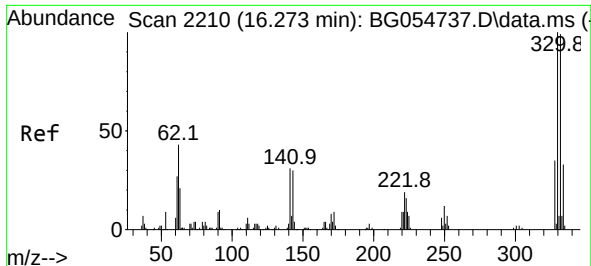
Ion Ratio Lower Upper

164 100

162 100.9 83.0 124.4

160 44.6 38.0 57.0

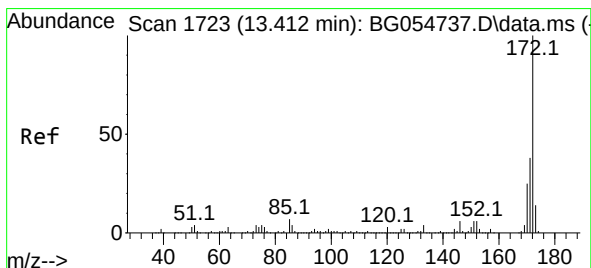
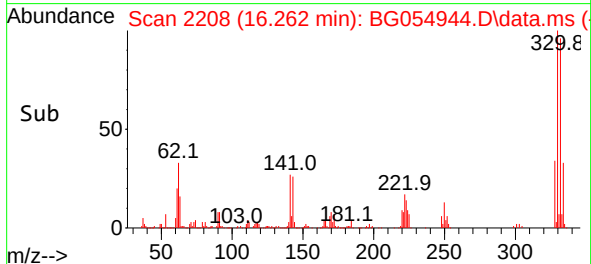
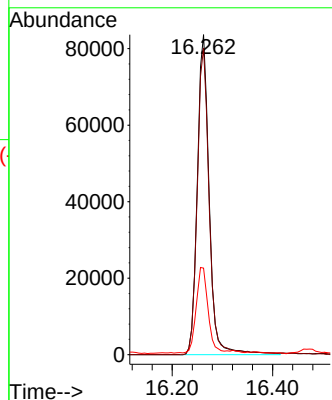
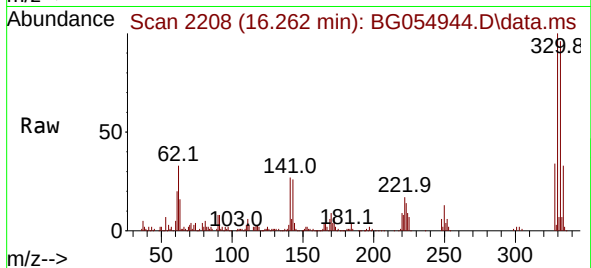




#42
 2,4,6-Tribromophenol
 Concen: 92.213 ng
 RT: 16.262 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG054944.D
 Acq: 14 Sep 2022 15:19

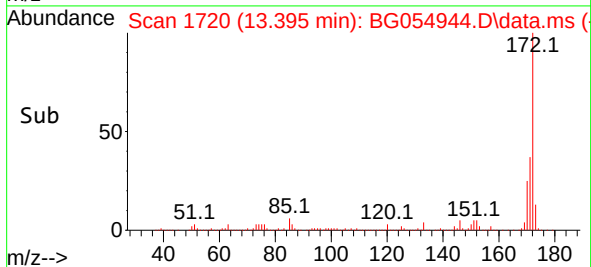
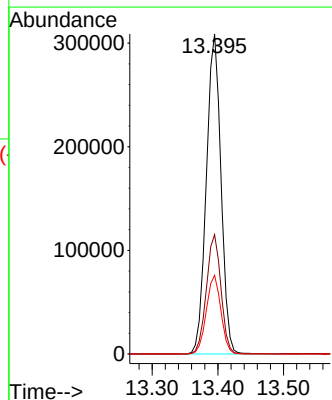
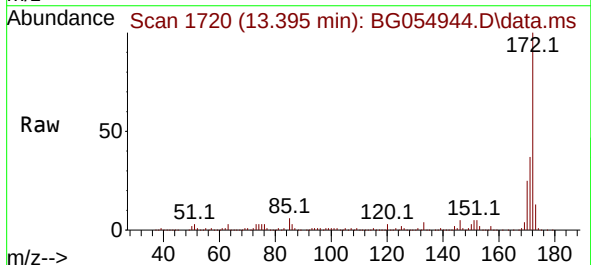
Instrument :
 BNA_G
 ClientSampleId :
 40152

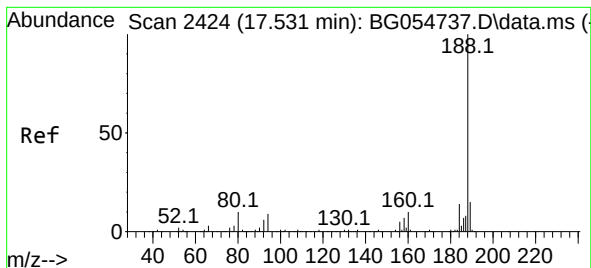
Tgt Ion:330 Resp: 137570
 Ion Ratio Lower Upper
 330 100
 332 96.5 79.8 119.6
 141 26.2 26.8 40.2#



#45
 2-Fluorobiphenyl
 Concen: 60.412 ng
 RT: 13.395 min Scan# 1720
 Delta R.T. 0.002 min
 Lab File: BG054944.D
 Acq: 14 Sep 2022 15:19

Tgt Ion:172 Resp: 479881
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.2 46.8
 170 24.6 20.6 30.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.520 min Scan# 2422

Delta R.T. -0.004 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

Instrument :

BNA_G

ClientSampleId :

40152

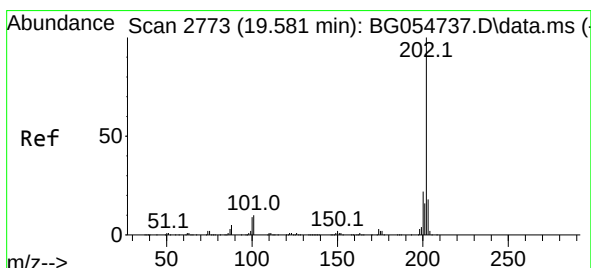
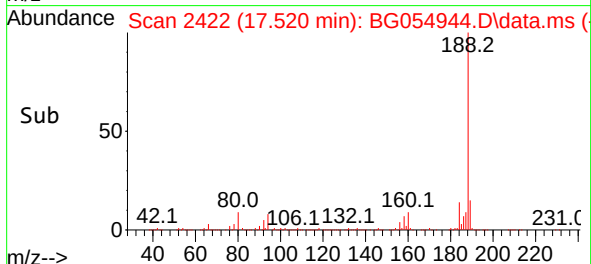
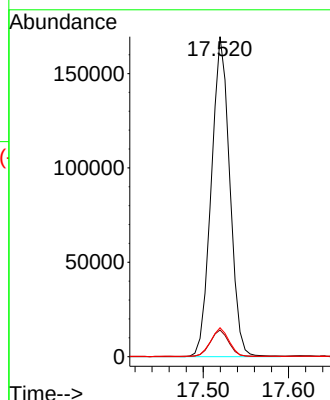
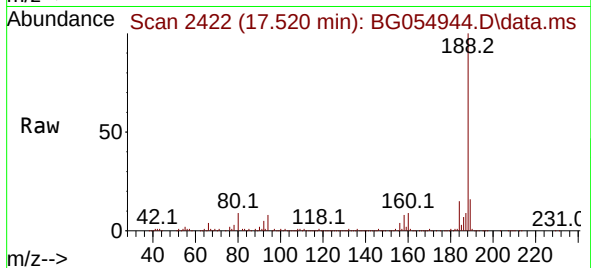
Tgt Ion:188 Resp: 255358

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

80 9.1 7.9 11.9



#75

Fluoranthene

Concen: 2.282 ng

RT: 19.570 min Scan# 2771

Delta R.T. 0.002 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

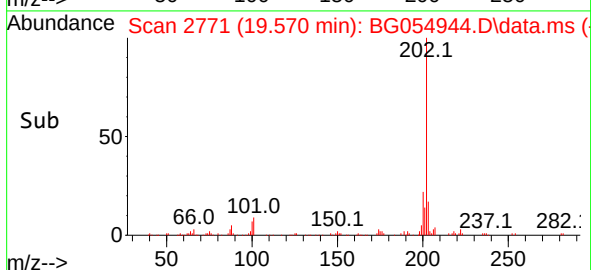
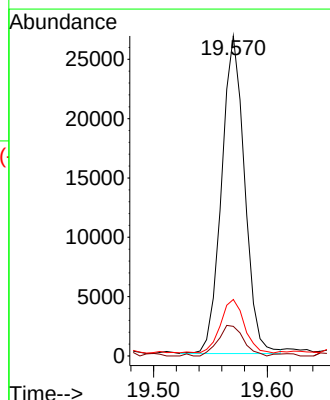
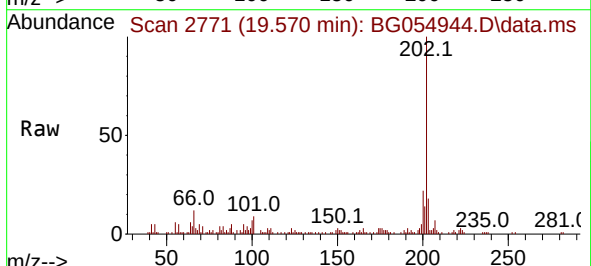
Tgt Ion:202 Resp: 37764

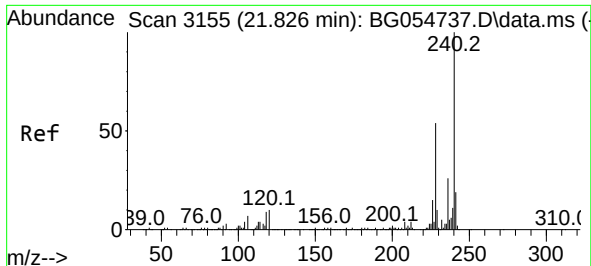
Ion Ratio Lower Upper

202 100

101 9.2 0.0 31.4

203 17.6 0.0 38.6

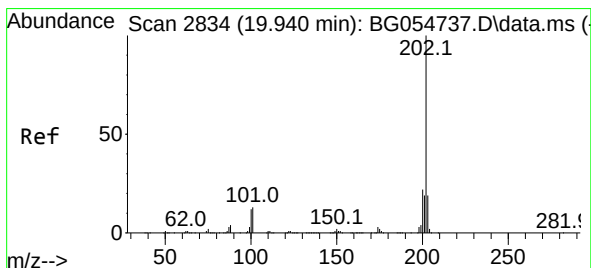
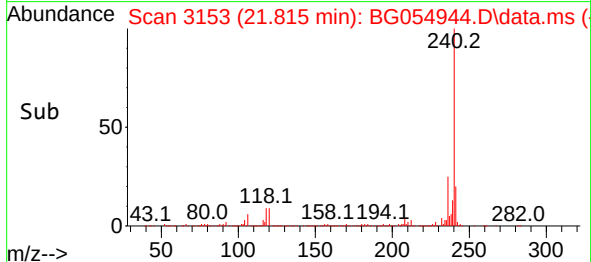
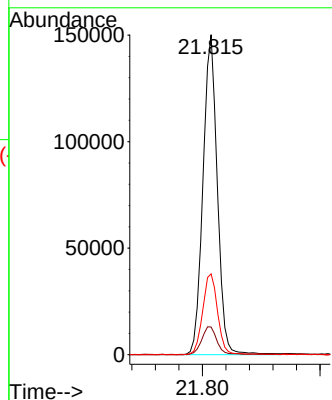
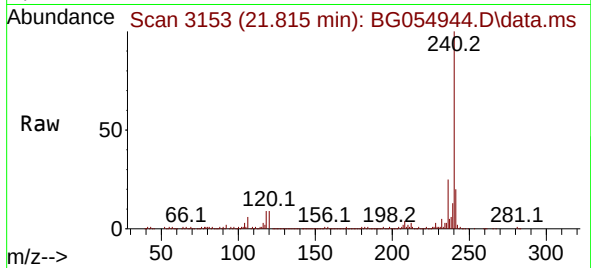




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.815 min Scan# 3153
Delta R.T. -0.004 min
Lab File: BG054944.D
Acq: 14 Sep 2022 15:19

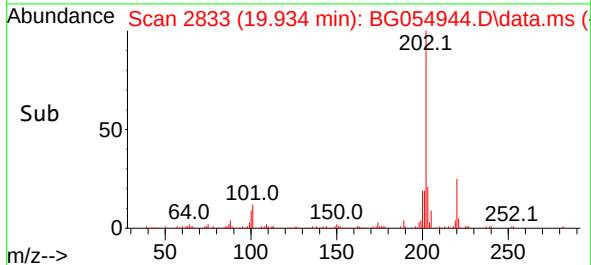
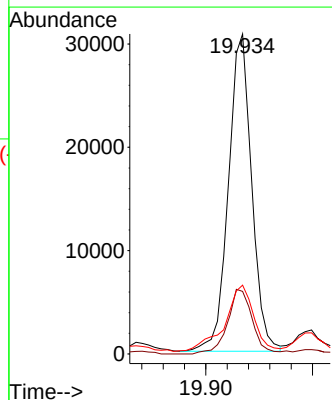
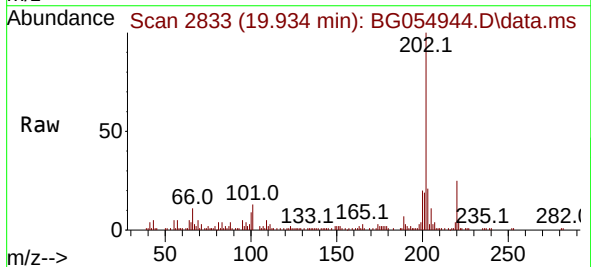
Instrument :
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40152

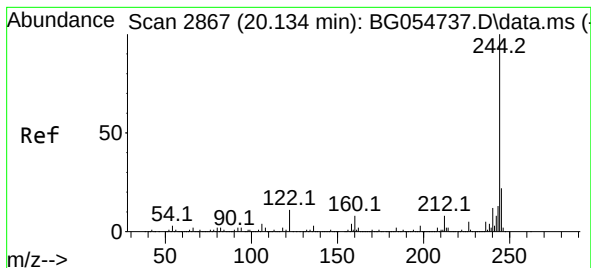
Tgt Ion:240 Resp: 254363
Ion Ratio Lower Upper
240 100
120 8.7 8.2 12.4
236 25.3 21.2 31.8



#78
Pyrene
Concen: 2.624 ng
RT: 19.934 min Scan# 2833
Delta R.T. 0.002 min
Lab File: BG054944.D
Acq: 14 Sep 2022 15:19

Tgt Ion:202 Resp: 46533
Ion Ratio Lower Upper
202 100
200 19.6 17.8 26.6
203 21.5 14.6 21.8





#79

Terphenyl-d14

Concen: 60.188 ng

RT: 20.117 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

Instrument :

BNA_G

ClientSampleId :

40152

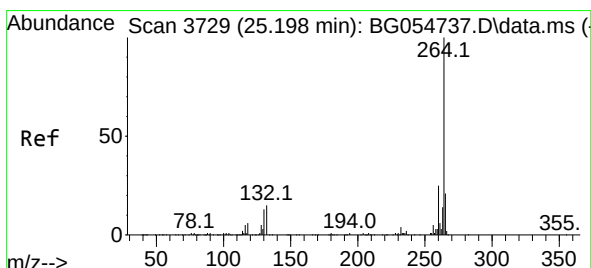
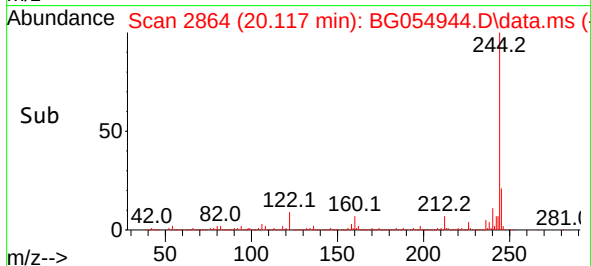
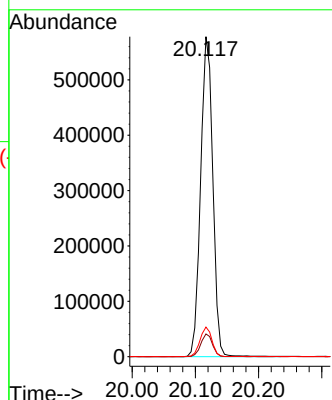
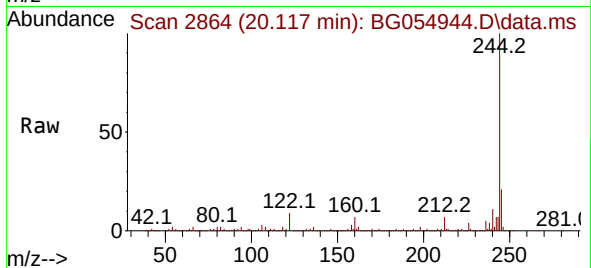
Tgt Ion:244 Resp: 772668

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

122 9.2 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.187 min Scan# 3727

Delta R.T. 0.002 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

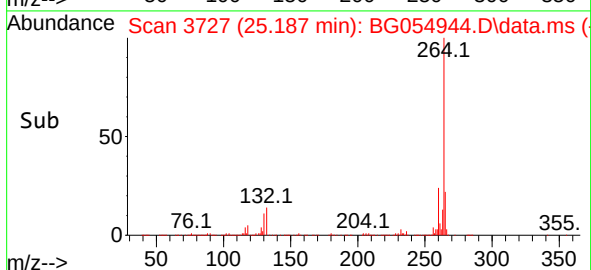
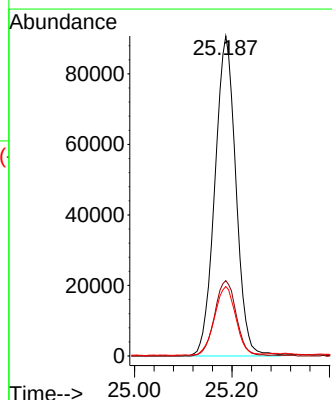
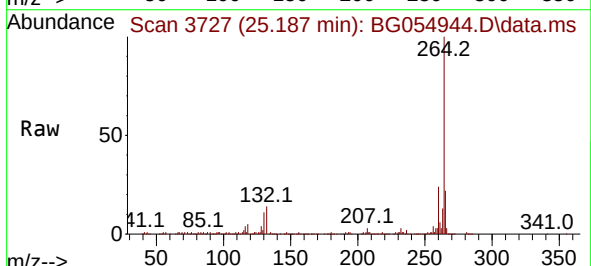
Tgt Ion:264 Resp: 271255

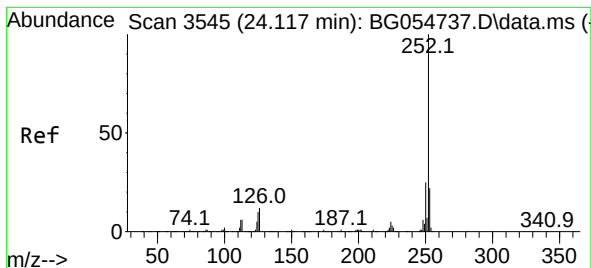
Ion Ratio Lower Upper

264 100

260 23.6 19.9 29.9

265 21.7 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 2.543 ng

RT: 24.106 min Scan# 3

Delta R.T. -0.004 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

Instrument :

BNA_G

ClientSampleId :

40152

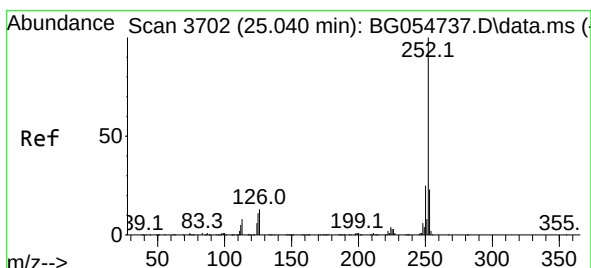
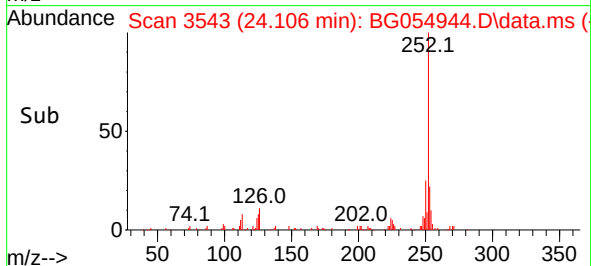
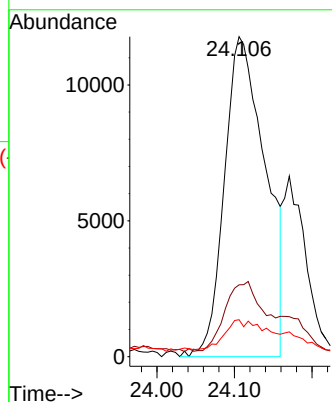
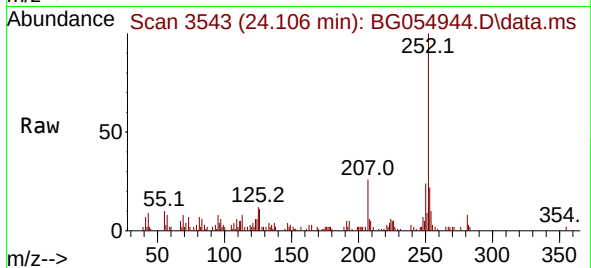
Tgt Ion:252 Resp: 43278

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 11.5 8.1 12.1



#90

Benzo(a)pyrene

Concen: 2.057 ng

RT: 25.023 min Scan# 3699

Delta R.T. -0.010 min

Lab File: BG054944.D

Acq: 14 Sep 2022 15:19

Tgt Ion:252 Resp: 29901

Ion Ratio Lower Upper

252 100

253 21.0 18.3 27.5

125 12.1 8.8 13.2

