

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080422\
 Data File : BG054518.D
 Acq On : 4 Aug 2022 14:13
 Operator : CG/JU
 Sample : N4037-02 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 080322-A

Quant Time: Aug 04 14:45:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

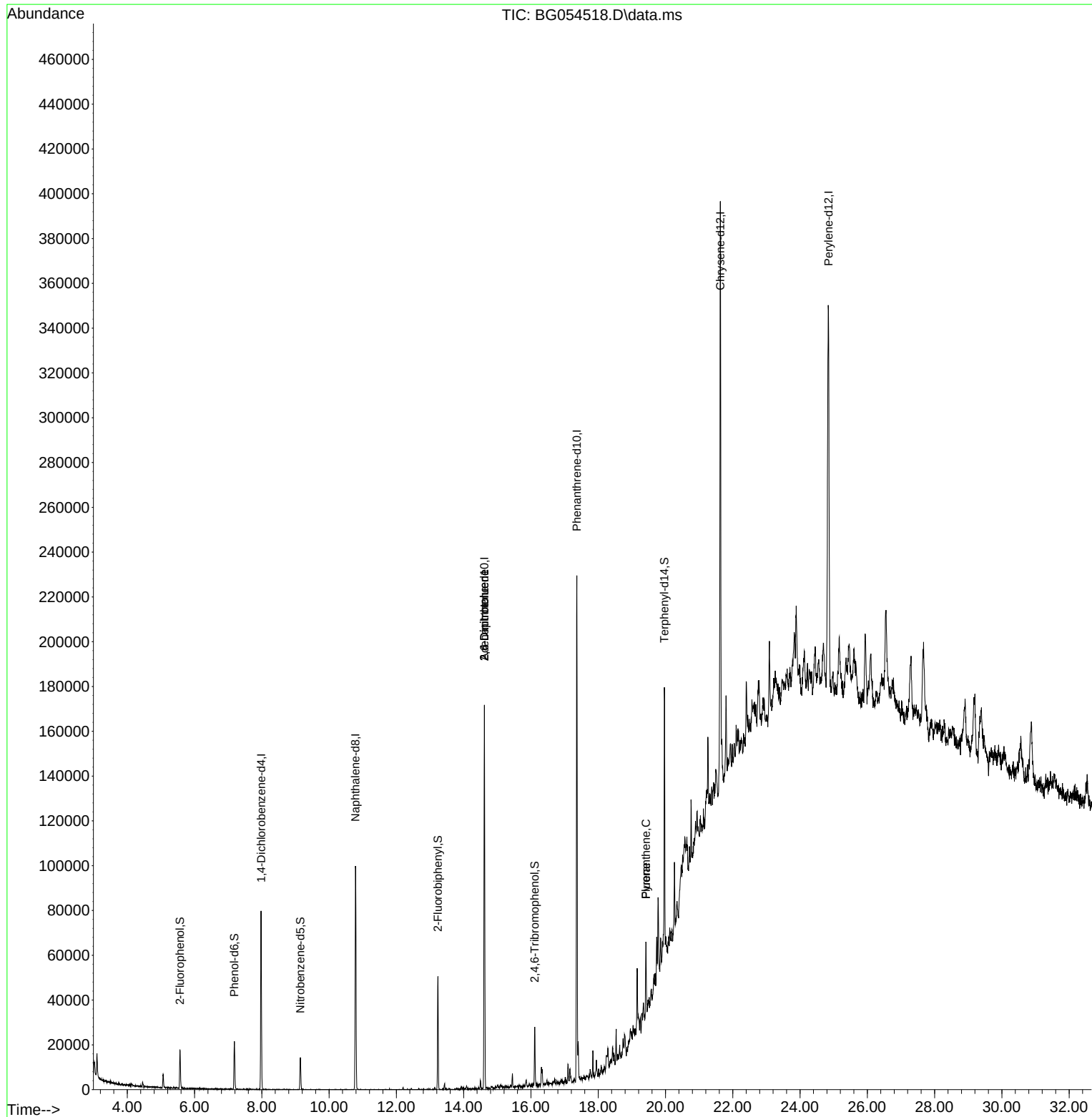
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	24658	20.000	ng	# 0.00
21) Naphthalene-d8	10.785	136	90566	20.000	ng	#-0.01
39) Acenaphthene-d10	14.616	164	67655	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	160529	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	177980	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	189139	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	9343	7.911	ng	0.00
7) Phenol-d6	7.183	99	13909	8.595	ng	0.01
23) Nitrobenzene-d5	9.146	82	9993	6.009	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	7913	5.571	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	31693	6.608	ng	-0.01
79) Terphenyl-d14	19.968	244	63690	7.099	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.616	165	9320	8.041	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	9320	5.609	ng	# 21
75) Fluoranthene	19.422	202	24001	2.202	ng	94
78) Pyrene	19.422	202	24001	2.350	ng	97

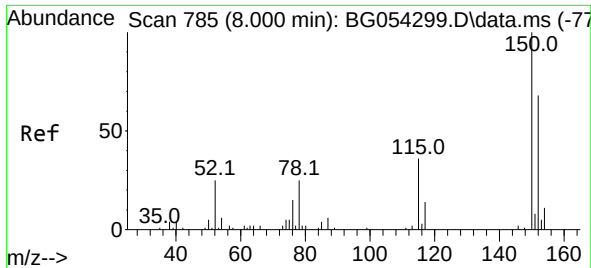
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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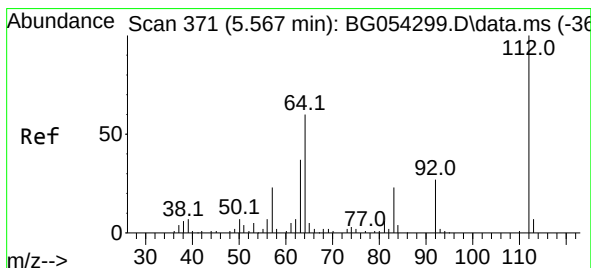
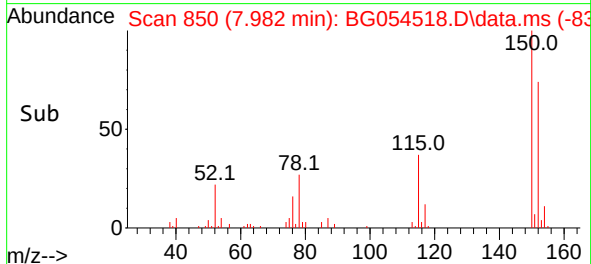
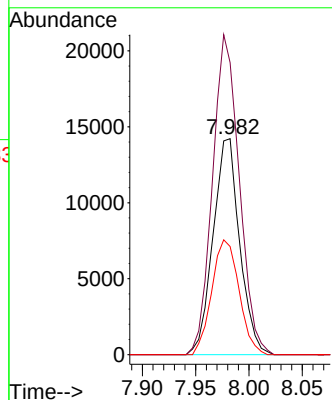
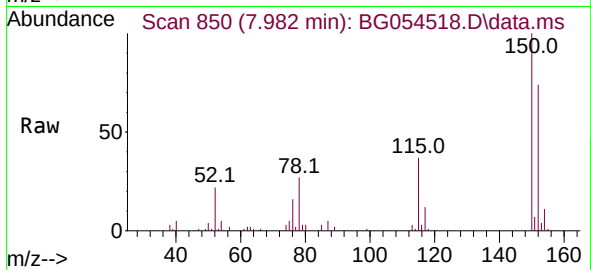




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.982 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

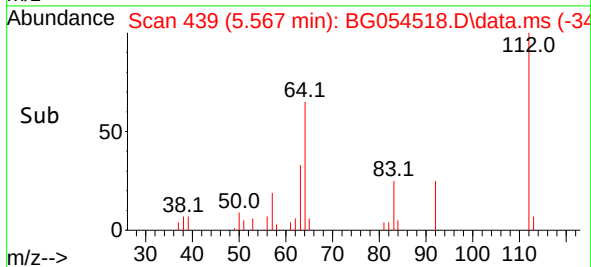
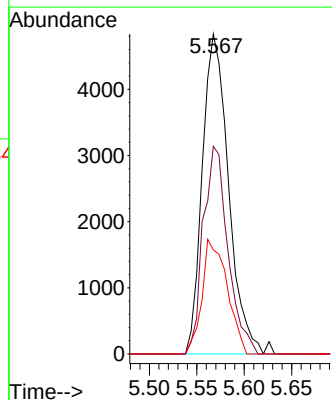
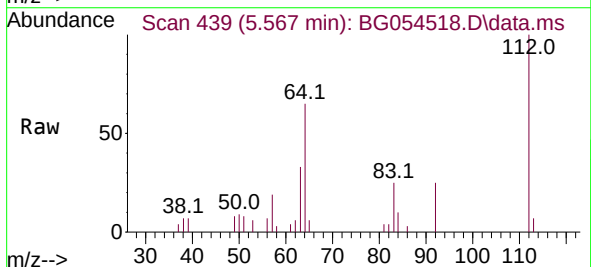
Instrument :
BNA_G
ClientSampleId :
080322-A

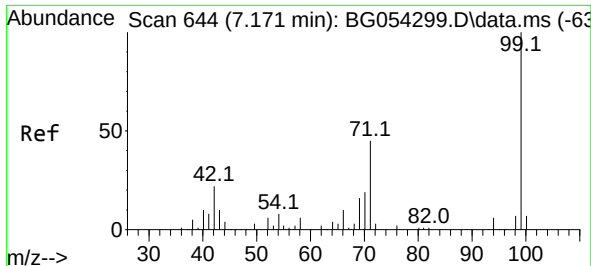
Tgt Ion:152 Resp: 24658
Ion Ratio Lower Upper
152 100
150 135.2 131.6 197.4
115 50.1 50.9 76.3#



#5
2-Fluorophenol
Concen: 7.911 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.006 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

Tgt Ion:112 Resp: 9343
Ion Ratio Lower Upper
112 100
64 64.9 55.1 82.7
63 32.6 30.4 45.6

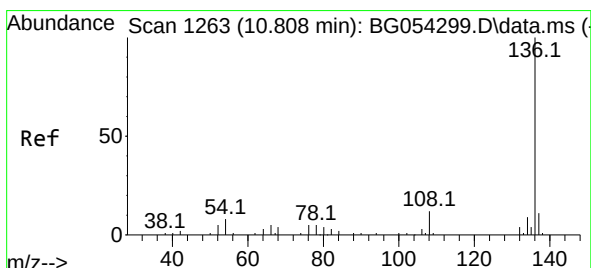
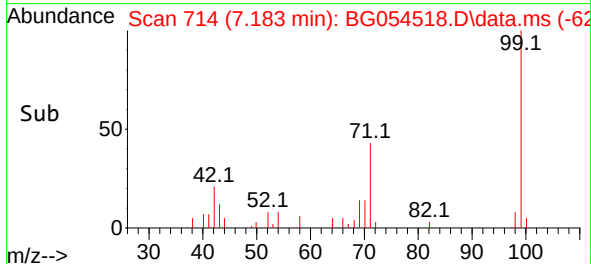
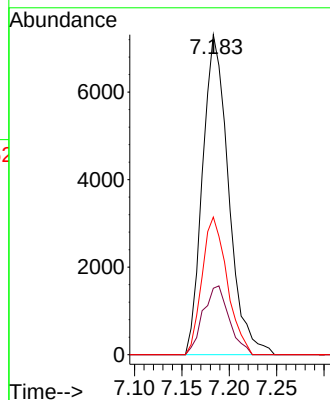
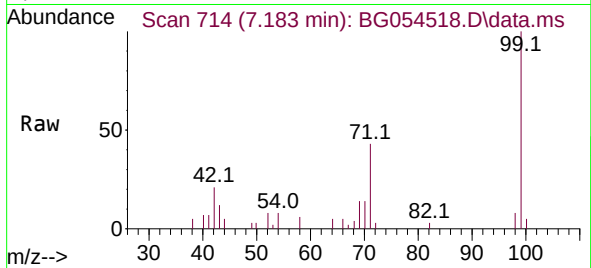




#7
Phenol-d6
Concen: 8.595 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.011 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

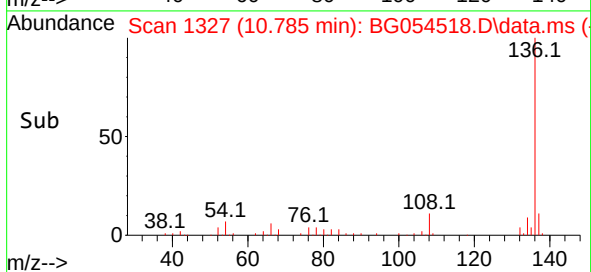
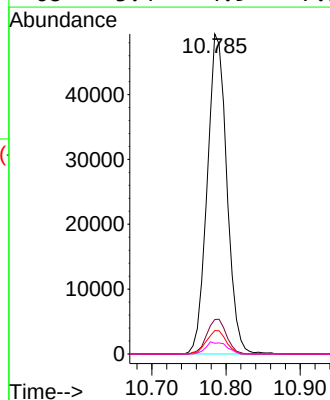
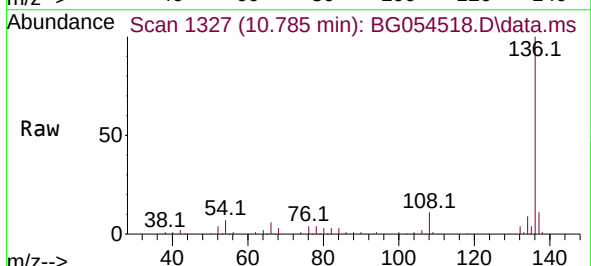
Instrument :
BNA_G
ClientSampleId :
080322-A

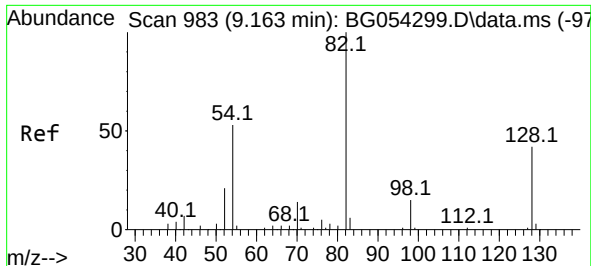
Tgt Ion: 99 Resp: 13909
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 43.0 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

Tgt Ion: 136 Resp: 90566
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.3 7.4 11.2#
68 3.4 4.9 7.3#

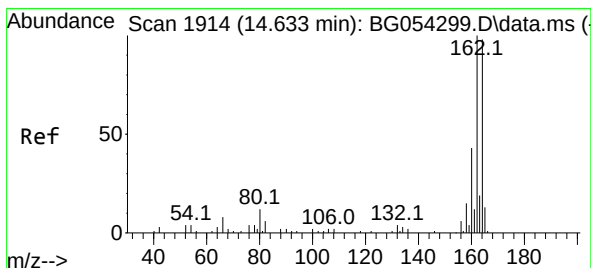
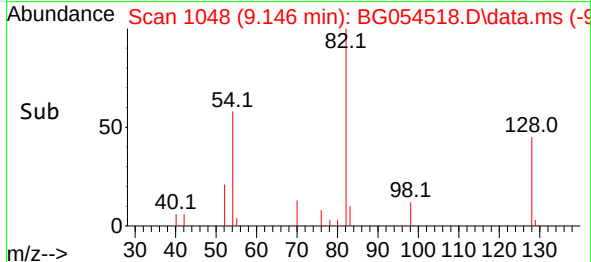
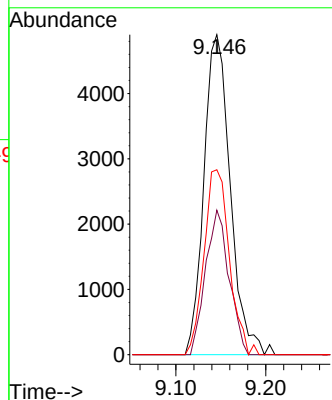
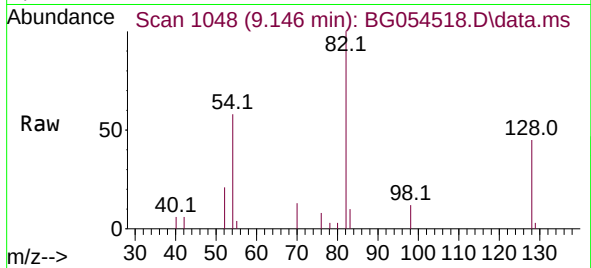




#23
Nitrobenzene-d5
Concen: 6.009 ng
RT: 9.146 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

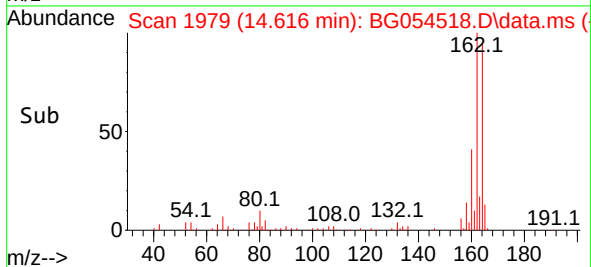
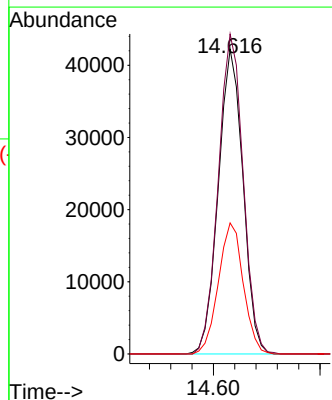
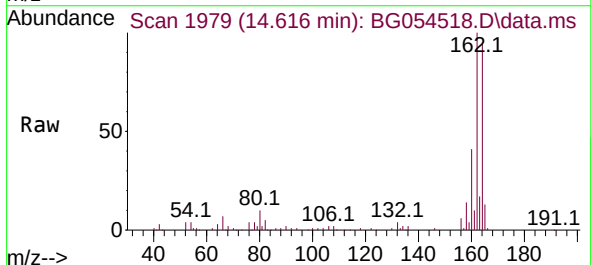
Instrument :
BNA_G
ClientSampleId :
080322-A

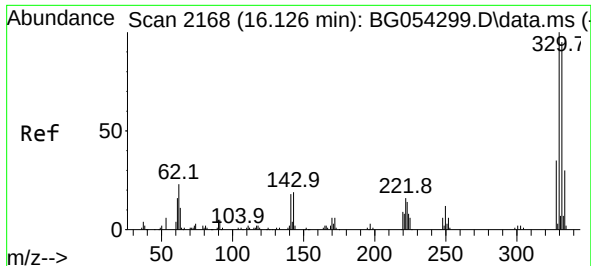
Tgt Ion: 82 Resp: 9993
Ion Ratio Lower Upper
82 100
128 45.1 27.9 41.9#
54 57.8 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

Tgt Ion:164 Resp: 67655
Ion Ratio Lower Upper
164 100
162 105.0 82.3 123.5
160 43.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 5.571 ng

RT: 16.114 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG054518.D

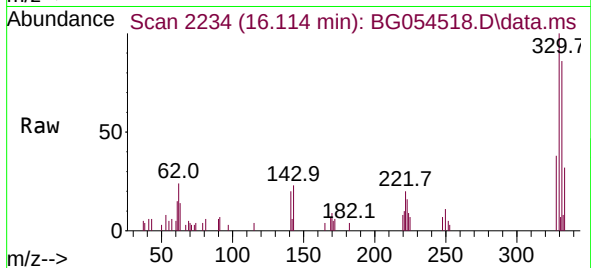
Acq: 4 Aug 2022 14:13

Instrument :

BNA_G

ClientSampleId :

080322-A



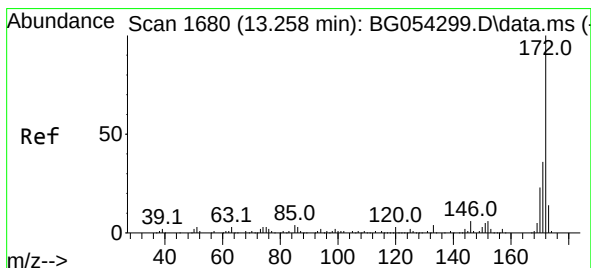
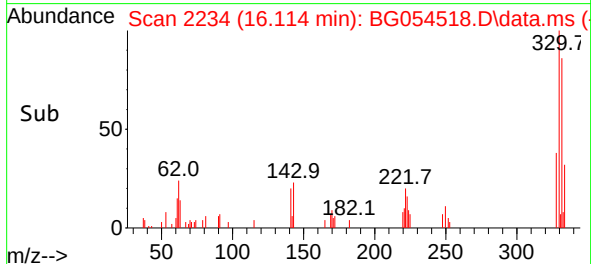
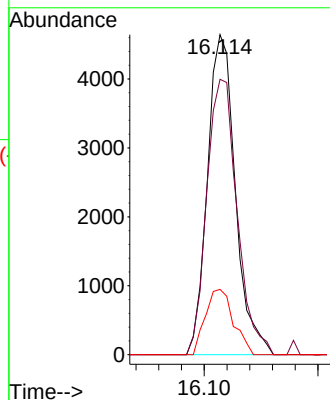
Tgt Ion:330 Resp: 7913

Ion Ratio Lower Upper

330 100

332 93.5 76.0 114.0

141 20.5 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 6.608 ng

RT: 13.235 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BG054518.D

Acq: 4 Aug 2022 14:13

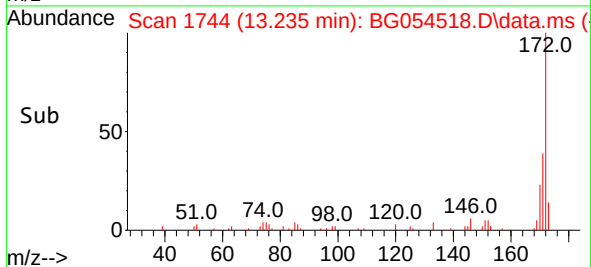
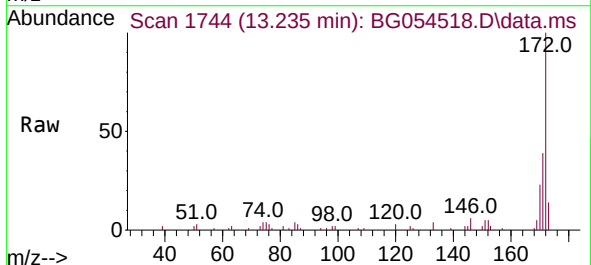
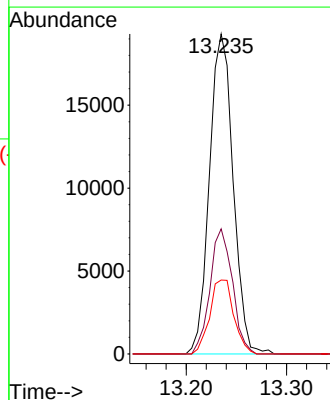
Tgt Ion:172 Resp: 31693

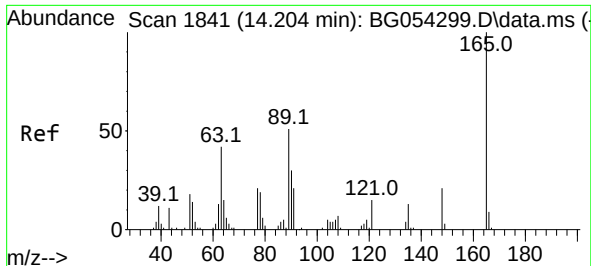
Ion Ratio Lower Upper

172 100

171 39.1 28.5 42.7

170 23.1 18.9 28.3

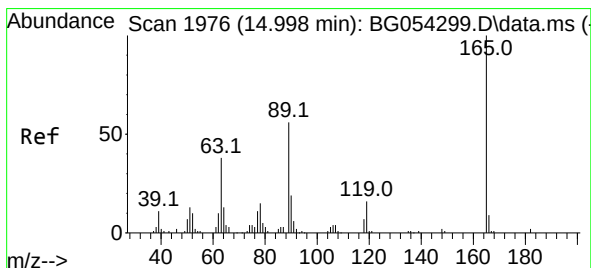
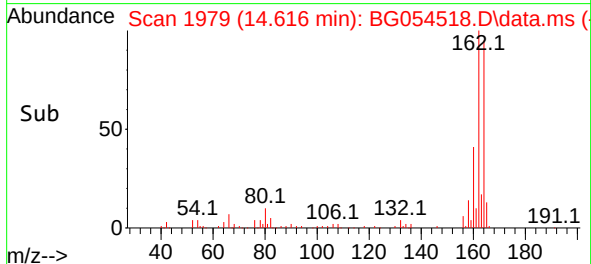
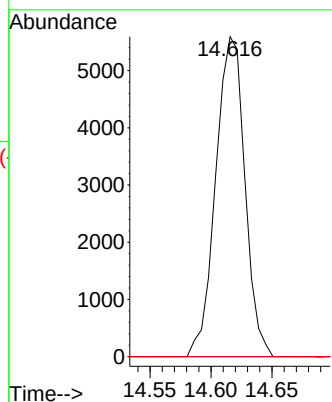
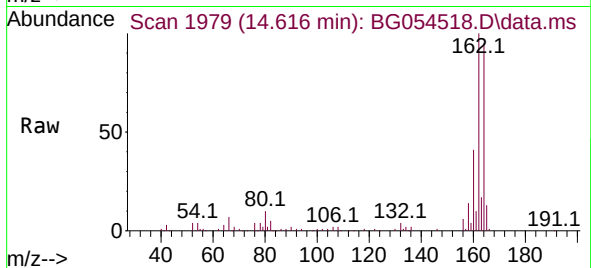




#51
2,6-Dinitrotoluene
Concen: 8.041 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.417 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

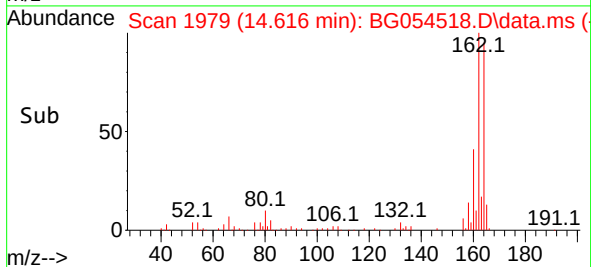
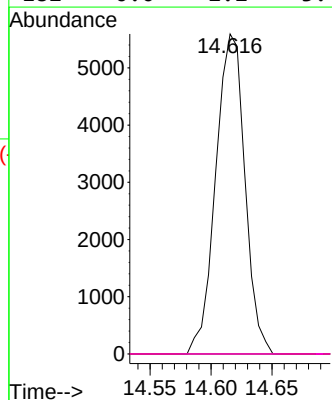
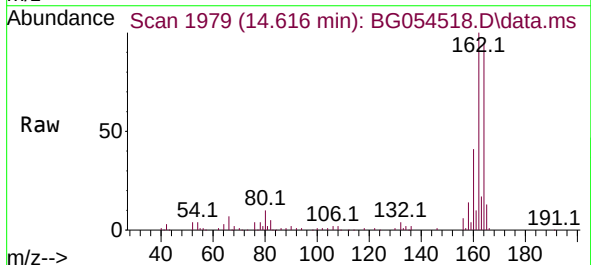
Instrument :
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080322-A

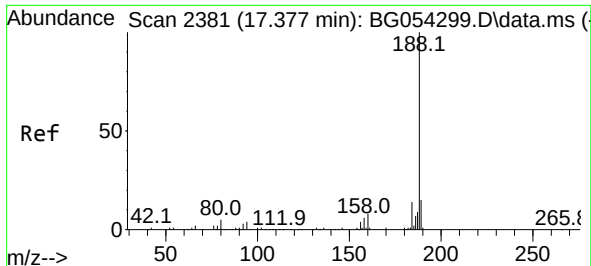
Tgt Ion:165 Resp: 9320
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.609 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.376 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

Tgt Ion:165 Resp: 9320
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#

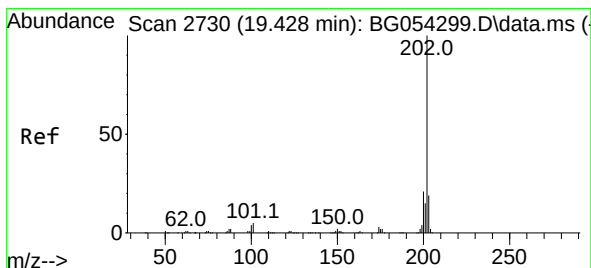
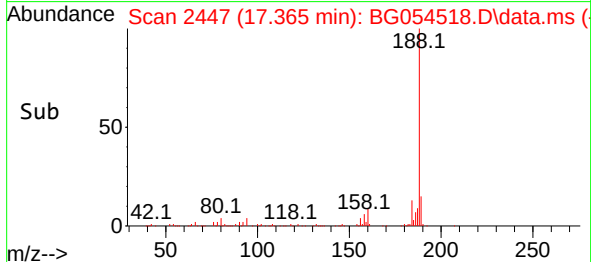
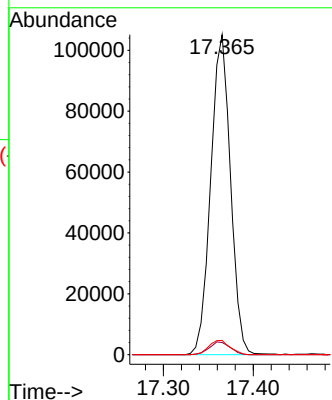
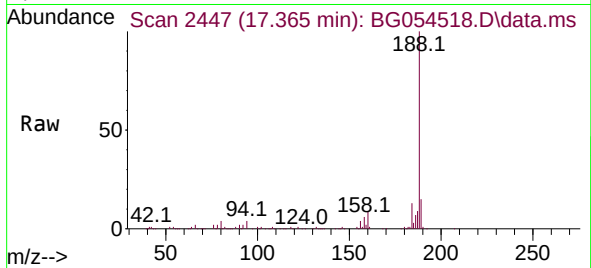




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

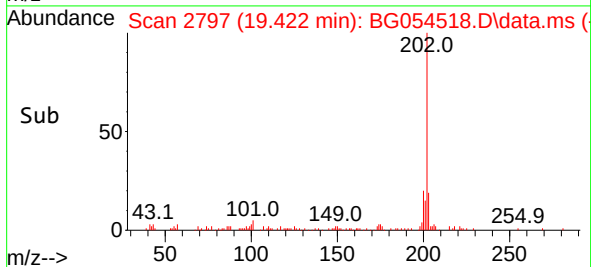
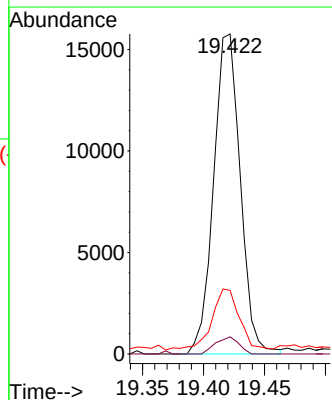
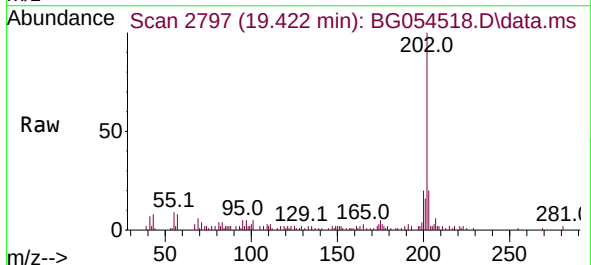
Instrument :
BNA_G
ClientSampleId :
080322-A

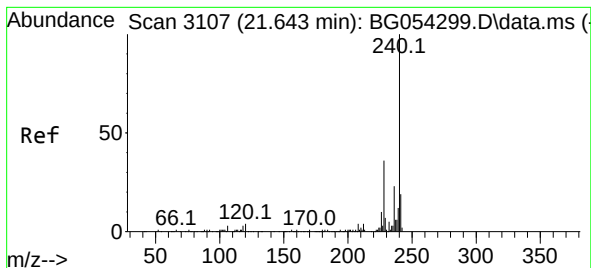
Tgt Ion:188 Resp: 160529
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0#
80 4.5 6.8 10.2#



#75
Fluoranthene
Concen: 2.202 ng
RT: 19.422 min Scan# 2797
Delta R.T. -0.000 min
Lab File: BG054518.D
Acq: 4 Aug 2022 14:13

Tgt Ion:202 Resp: 24001
Ion Ratio Lower Upper
202 100
101 5.4 0.0 26.9
203 19.8 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.631 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG054518.D

Acq: 4 Aug 2022 14:13

Instrument :

BNA_G

ClientSampleId :

080322-A

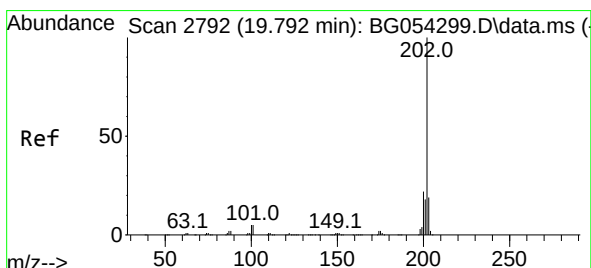
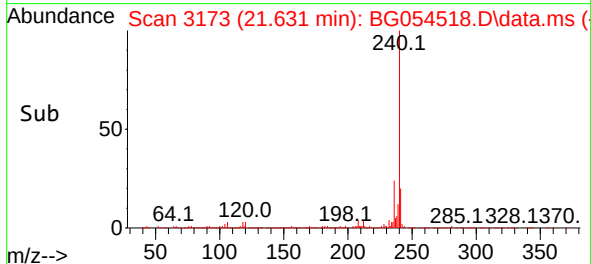
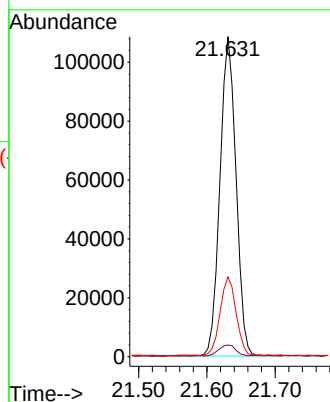
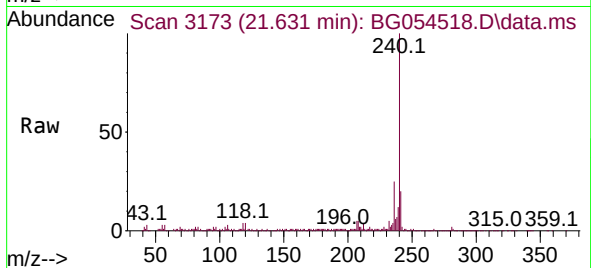
Tgt Ion:240 Resp: 177980

Ion Ratio Lower Upper

240 100

120 3.7 4.6 7.0#

236 25.0 20.2 30.4



#78

Pyrene

Concen: 2.350 ng

RT: 19.422 min Scan# 2797

Delta R.T. -0.365 min

Lab File: BG054518.D

Acq: 4 Aug 2022 14:13

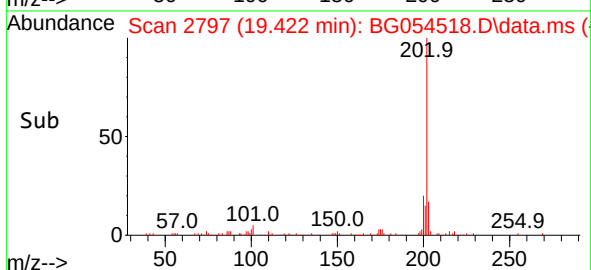
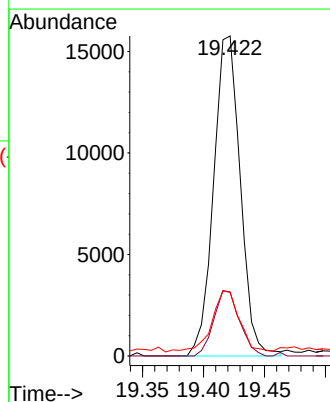
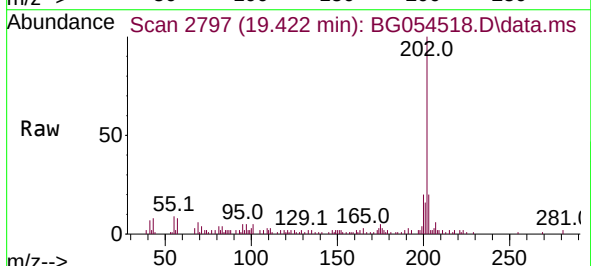
Tgt Ion:202 Resp: 24001

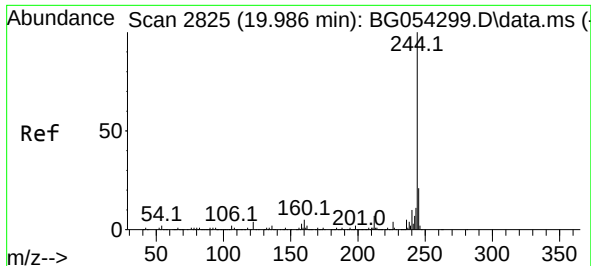
Ion Ratio Lower Upper

202 100

200 20.0 16.6 24.8

203 19.8 14.6 21.8

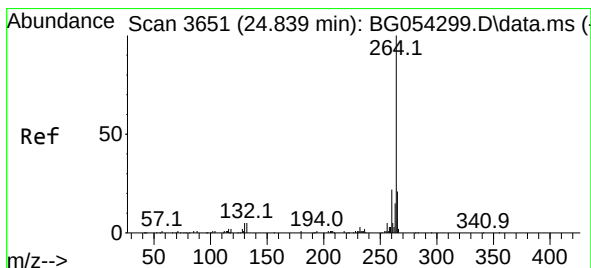
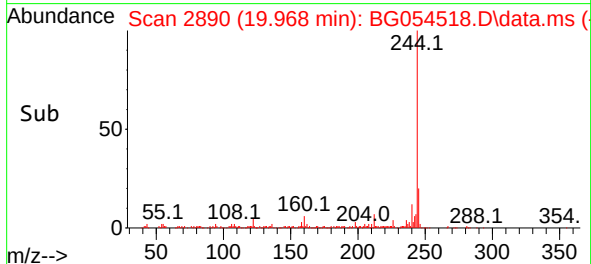
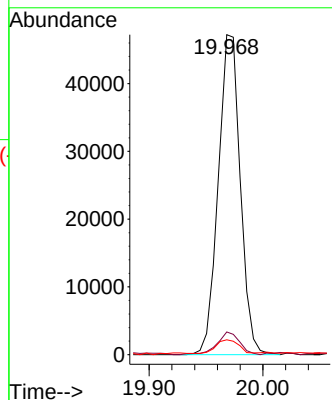
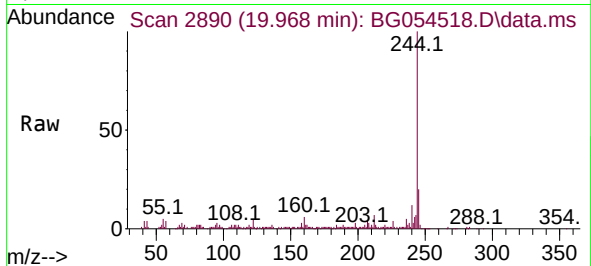




#79
 Terphenyl-d14
 Concen: 7.099 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BG054518.D
 Acq: 4 Aug 2022 14:13

Instrument :
 BNA_G
 ClientSampleId :
 080322-A

Tgt Ion:244 Resp: 63690
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.7 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.845 min Scan# 3720
 Delta R.T. 0.011 min
 Lab File: BG054518.D
 Acq: 4 Aug 2022 14:13

Tgt Ion:264 Resp: 189139
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.0 28.6
 265 22.5 17.4 26.2

