

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082123\
 Data File : BG058795.D
 Acq On : 21 Aug 2023 15:50
 Operator : MA/JU
 Sample : 04086-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-PP09C

Quant Time: Aug 22 01:27:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

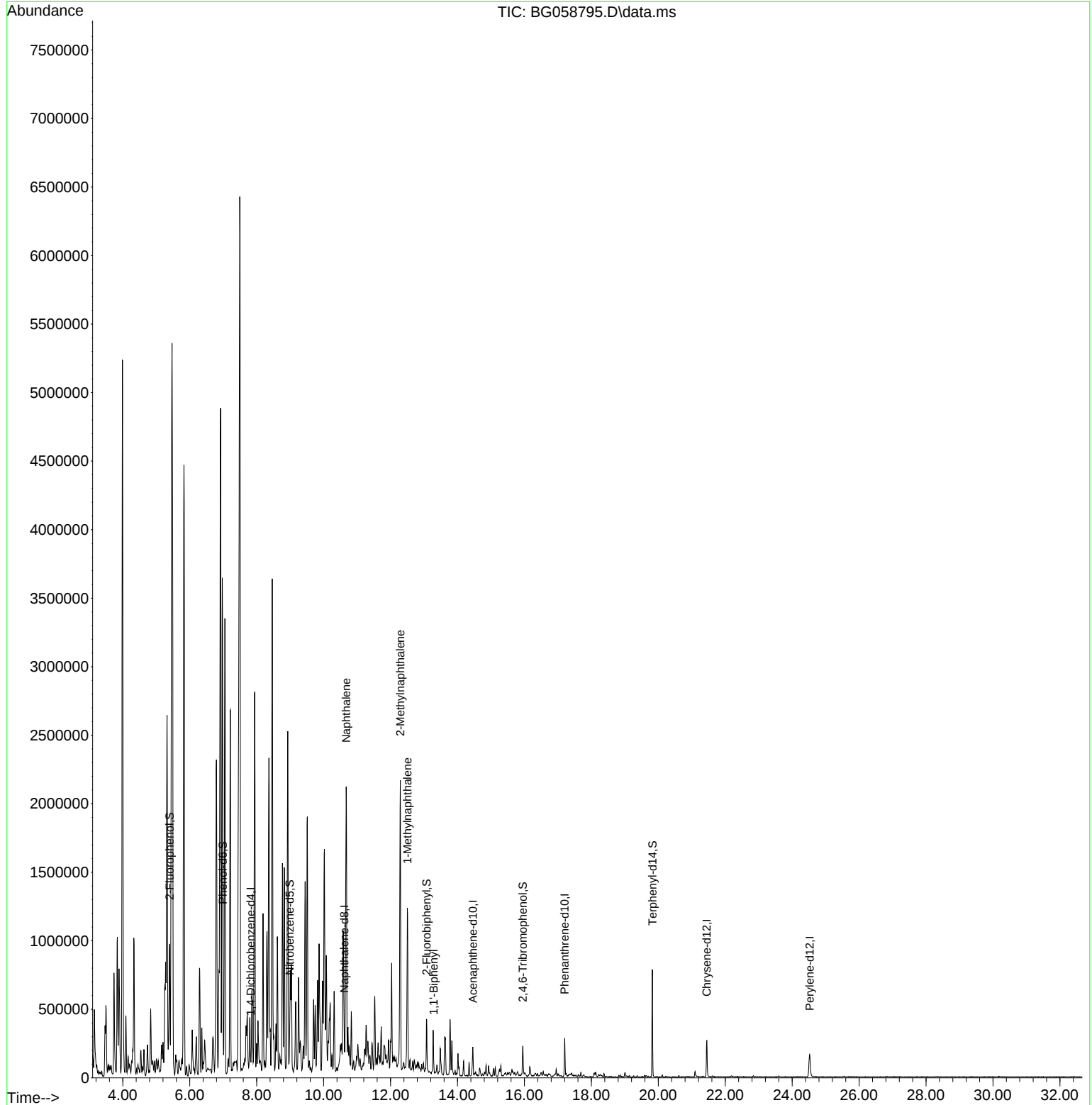
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.819	152	25135	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	101108	20.000	ng	0.00
39) Acenaphthene-d10	14.458	164	75163	20.000	ng	0.00
64) Phenanthrene-d10	17.202	188	177480	20.000	ng	0.00
76) Chrysene-d12	21.444	240	170371	20.000	ng	0.00
86) Perylene-d12	24.523	264	208556	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	97208	62.237	ng	0.02
7) Phenol-d6	6.990	99	131818	60.153	ng	0.00
23) Nitrobenzene-d5	8.988	82	90929	43.237	ng	0.01
42) 2,4,6-Tribromophenol	15.950	330	49784	42.242	ng	0.00
45) 2-Fluorobiphenyl	13.077	172	215168	41.637	ng	0.00
79) Terphenyl-d14	19.822	244	410818	43.297	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.674	128	1303303	245.499	ng	97
37) 2-Methylnaphthalene	12.290	142	1067067	279.855	ng	97
38) 1-Methylnaphthalene	12.501	142	548023	151.412	ng	98
46) 1,1'-Biphenyl	13.289	154	20283	3.917	ng	94

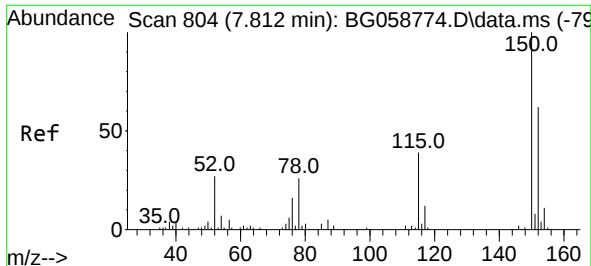
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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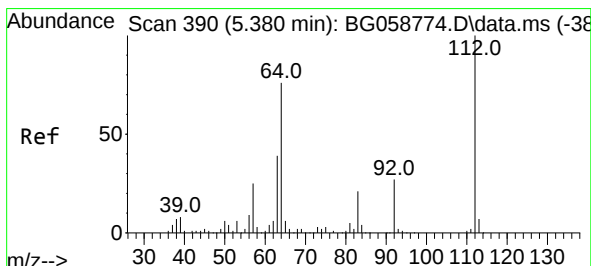
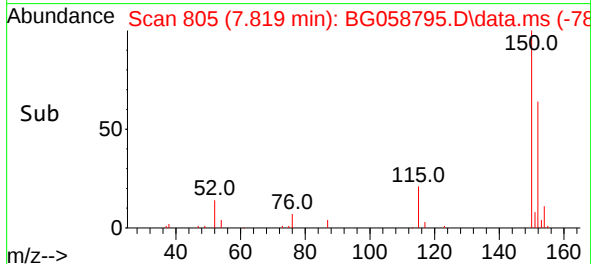
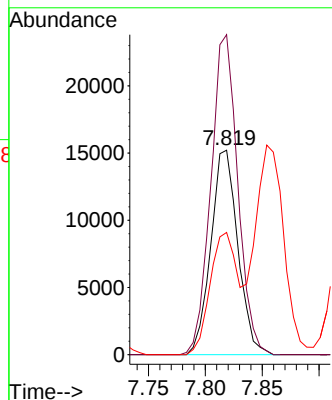
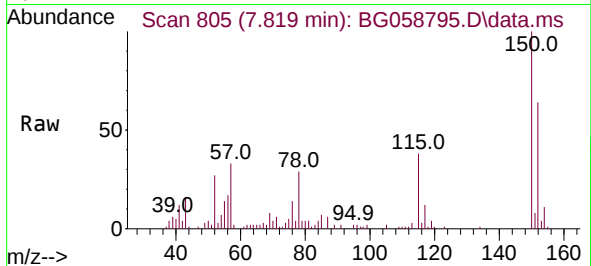




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.819 min Scan# 804
Delta R.T. 0.007 min
Lab File: BG058795.D
Acq: 21 Aug 2023 15:50

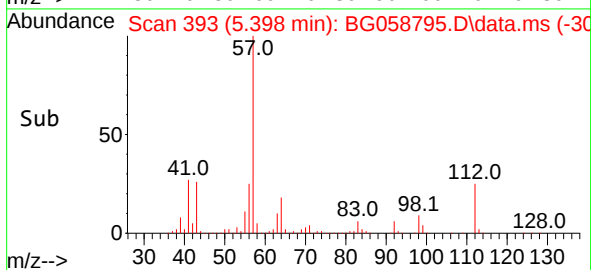
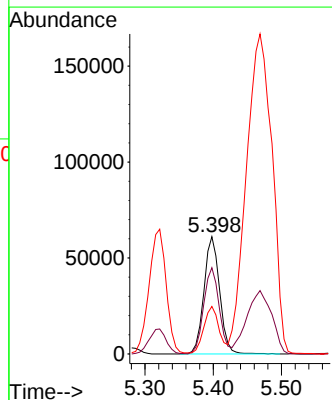
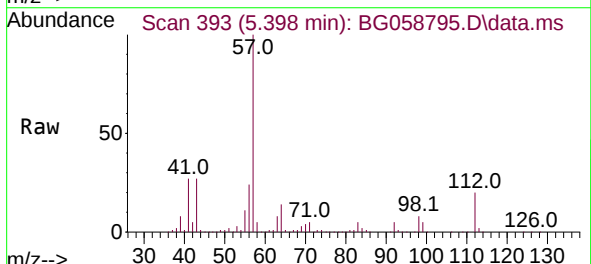
Instrument :
BNA_G
ClientSampleId :
B-PP09C

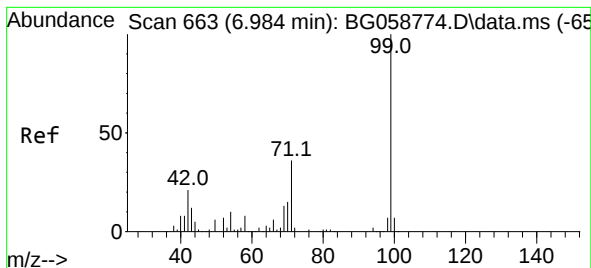
Tgt Ion:152 Resp: 25135
Ion Ratio Lower Upper
152 100
150 156.6 128.6 192.8
115 59.8 50.4 75.6



#5
2-Fluorophenol
Concen: 62.237 ng
RT: 5.398 min Scan# 393
Delta R.T. 0.018 min
Lab File: BG058795.D
Acq: 21 Aug 2023 15:50

Tgt Ion:112 Resp: 97208
Ion Ratio Lower Upper
112 100
64 73.5 60.6 90.8
63 40.5 31.0 46.4





#7

Phenol-d6

Concen: 60.153 ng

RT: 6.990 min Scan# 60

Delta R.T. 0.006 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Instrument :

BNA_G

ClientSampleId :

B-PP09C

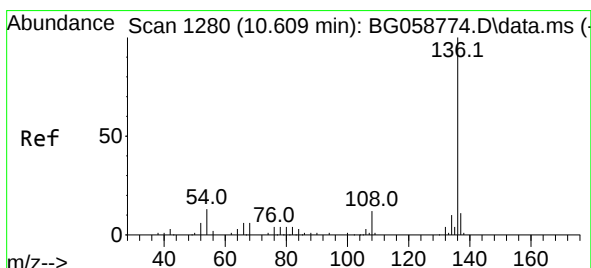
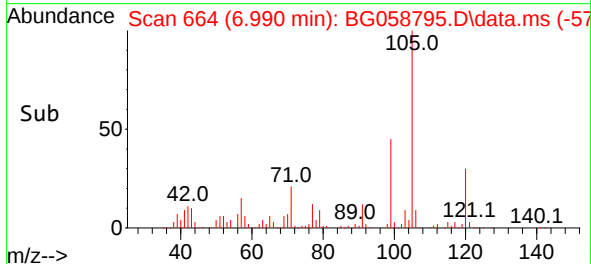
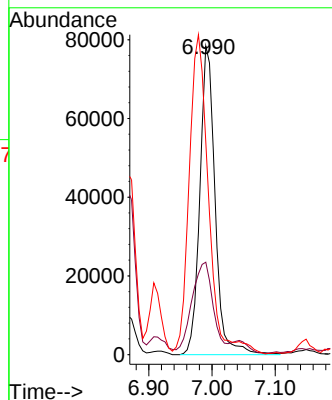
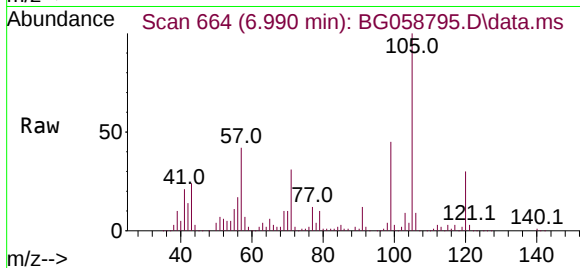
Tgt Ion: 99 Resp: 131818

Ion Ratio Lower Upper

99 100

42 29.9 16.5 24.7#

71 68.8 28.4 42.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.615 min Scan# 1281

Delta R.T. 0.006 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Tgt Ion:136 Resp: 101108

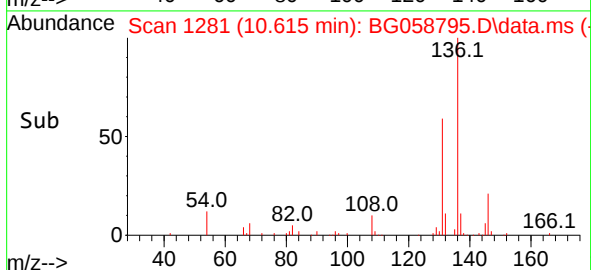
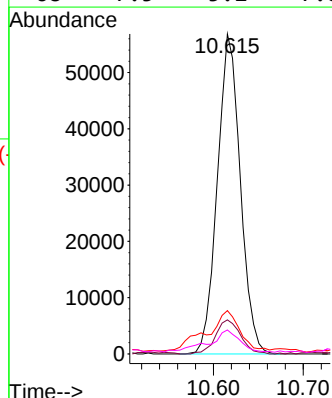
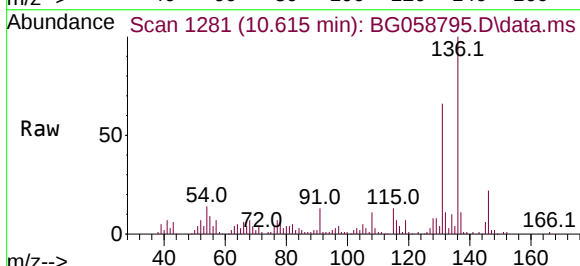
Ion Ratio Lower Upper

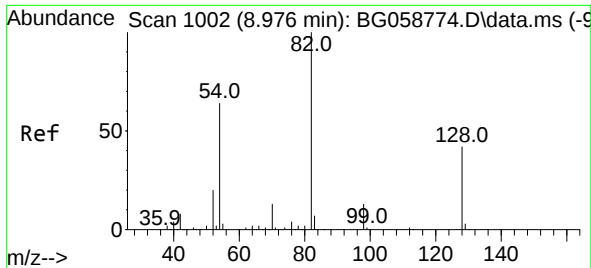
136 100

137 10.6 8.7 13.1

54 13.5 10.1 15.1

68 7.5 5.2 7.8

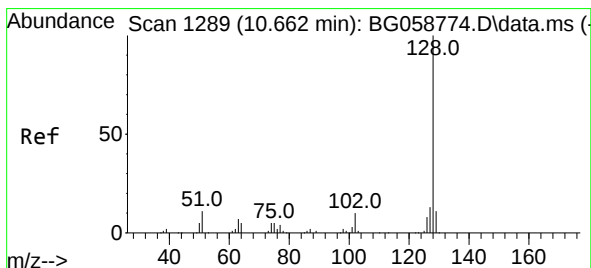
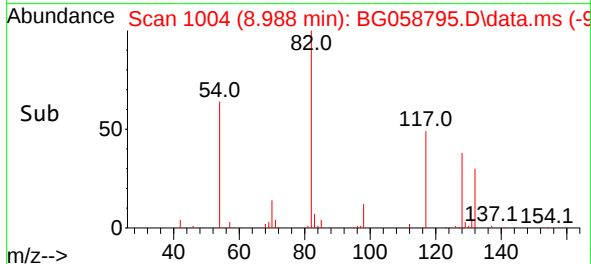
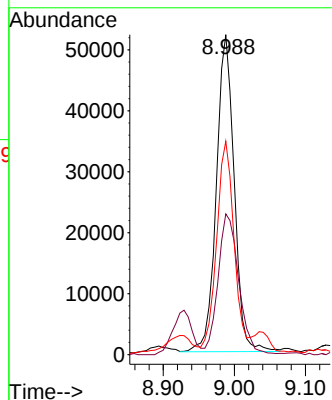
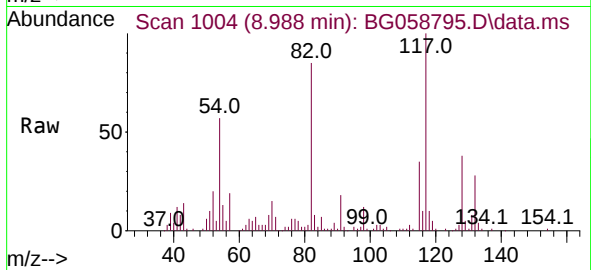




#23
Nitrobenzene-d5
Concen: 43.237 ng
RT: 8.988 min Scan# 1004
Delta R.T. 0.012 min
Lab File: BG058795.D
Acq: 21 Aug 2023 15:50

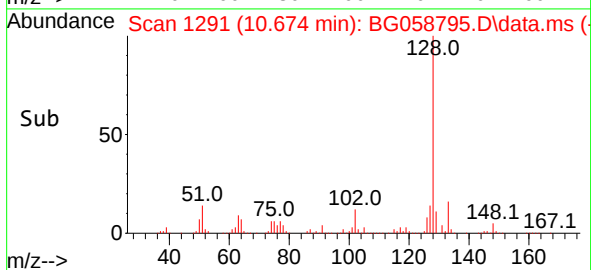
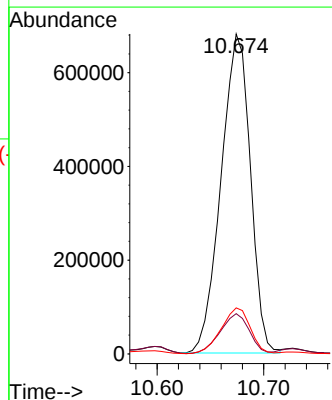
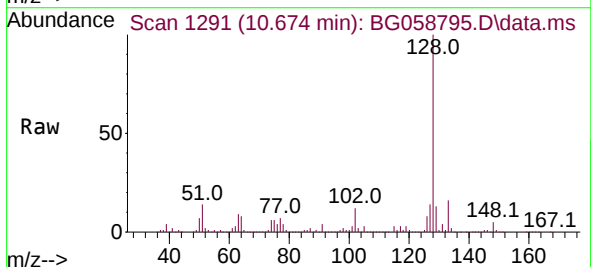
Instrument :
BNA_G
ClientSampleId :
B-PP09C

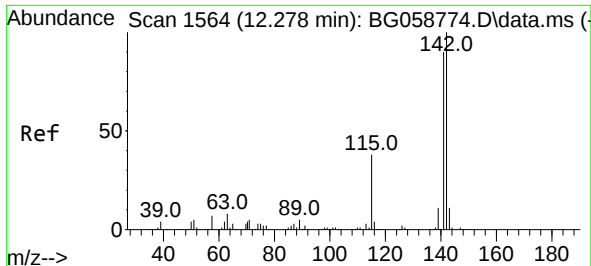
Tgt Ion: 82 Resp: 90929
Ion Ratio Lower Upper
82 100
128 44.0 33.2 49.8
54 66.7 51.2 76.8



#31
Naphthalene
Concen: 245.499 ng
RT: 10.674 min Scan# 1291
Delta R.T. 0.012 min
Lab File: BG058795.D
Acq: 21 Aug 2023 15:50

Tgt Ion:128 Resp: 1303303
Ion Ratio Lower Upper
128 100
129 12.6 8.9 13.3
127 14.4 10.6 15.8





#37

2-Methylnaphthalene

Concen: 279.855 ng

RT: 12.290 min Scan# 1566

Delta R.T. 0.012 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Instrument :

BNA_G

ClientSampleId :

B-PP09C

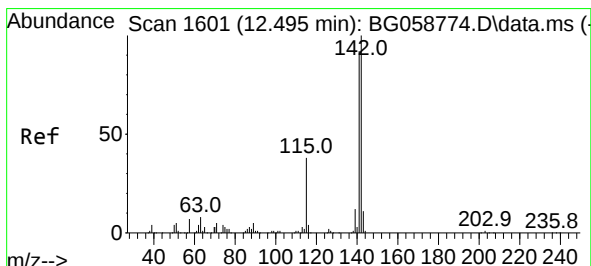
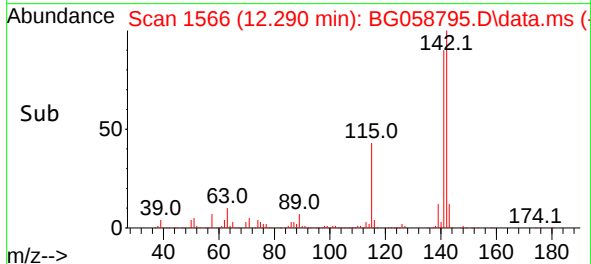
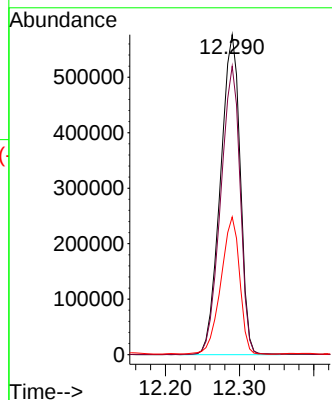
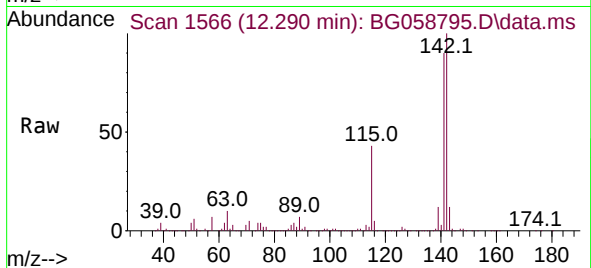
Tgt Ion:142 Resp: 1067067

Ion Ratio Lower Upper

142 100

141 90.1 71.8 107.8

115 43.0 30.6 45.8



#38

1-Methylnaphthalene

Concen: 151.412 ng

RT: 12.501 min Scan# 1602

Delta R.T. 0.006 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

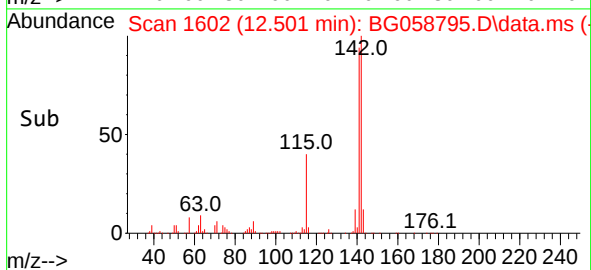
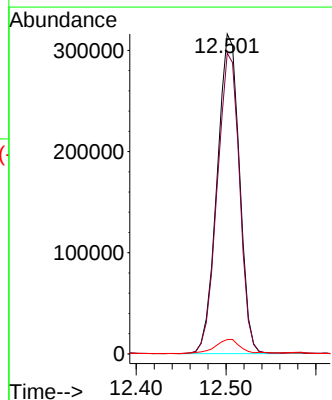
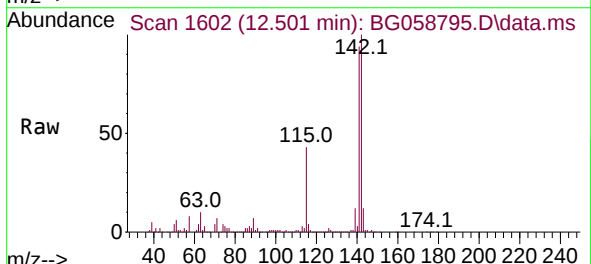
Tgt Ion:142 Resp: 548023

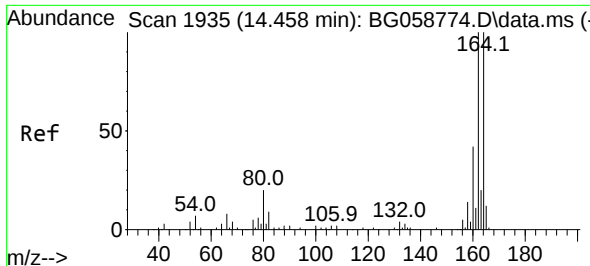
Ion Ratio Lower Upper

142 100

141 94.0 73.9 110.9

116 4.5 3.2 4.8

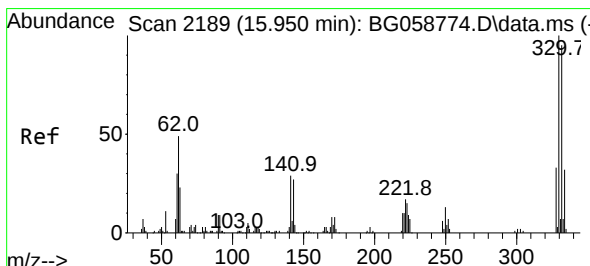
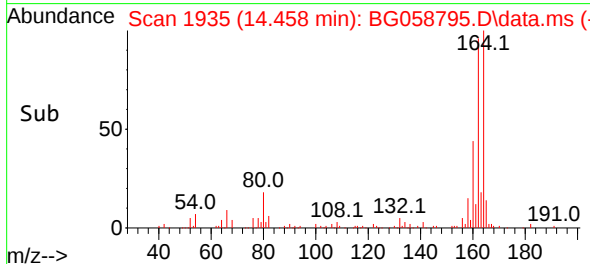
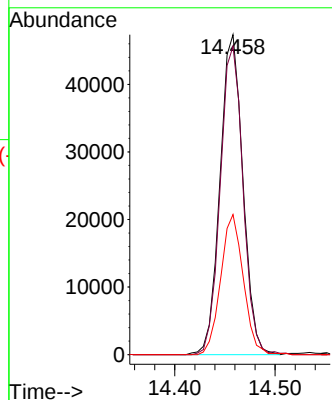
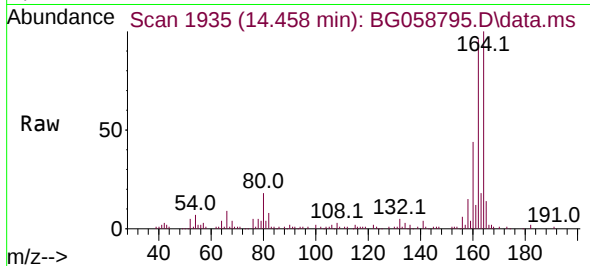




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.458 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BG058795.D
Acq: 21 Aug 2023 15:50

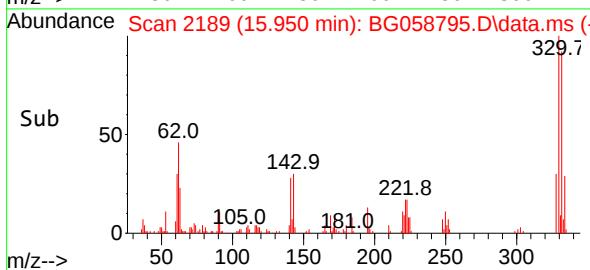
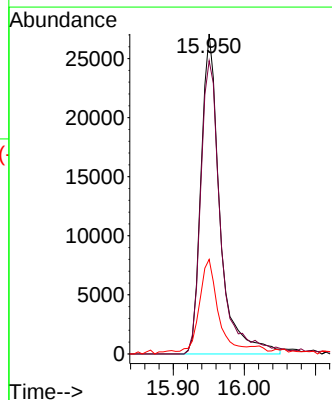
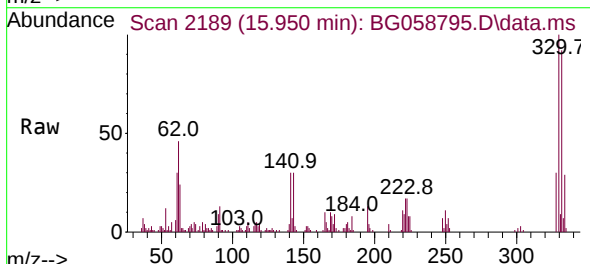
Instrument :
BNA_G
ClientSampleId :
B-PP09C

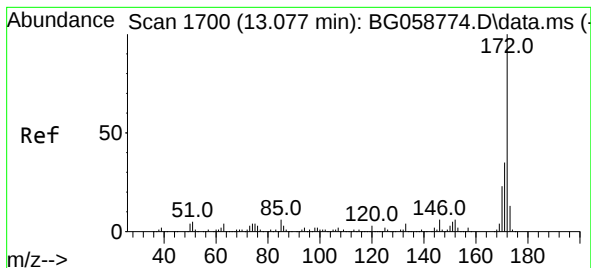
Tgt Ion:164 Resp: 75163
Ion Ratio Lower Upper
164 100
162 96.3 79.6 119.4
160 43.8 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 42.242 ng
RT: 15.950 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BG058795.D
Acq: 21 Aug 2023 15:50

Tgt Ion:330 Resp: 49784
Ion Ratio Lower Upper
330 100
332 97.3 78.5 117.7
141 30.7 23.0 34.6





#45

2-Fluorobiphenyl

Concen: 41.637 ng

RT: 13.077 min Scan# 1700

Delta R.T. 0.000 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Instrument :

BNA_G

ClientSampleId :

B-PP09C

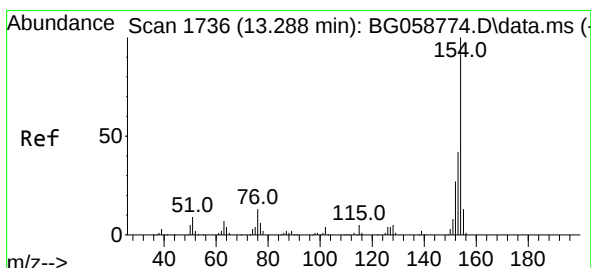
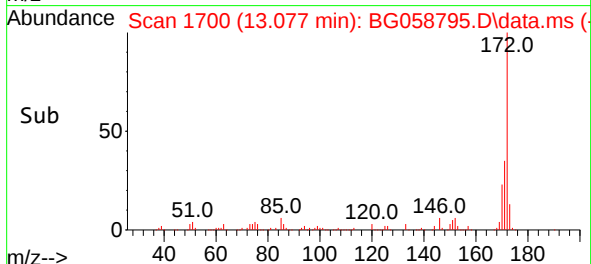
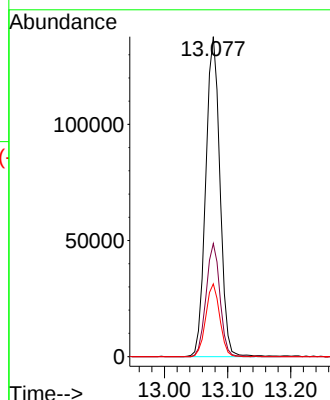
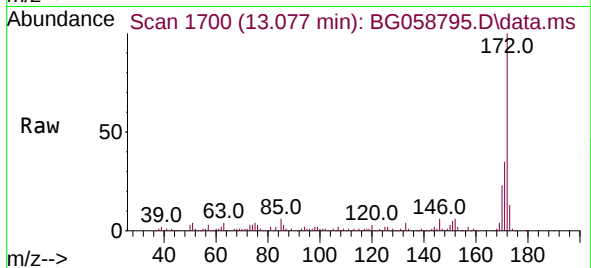
Tgt Ion:172 Resp: 215168

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 22.7 18.6 27.8



#46

1,1'-Biphenyl

Concen: 3.917 ng

RT: 13.289 min Scan# 1736

Delta R.T. 0.000 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

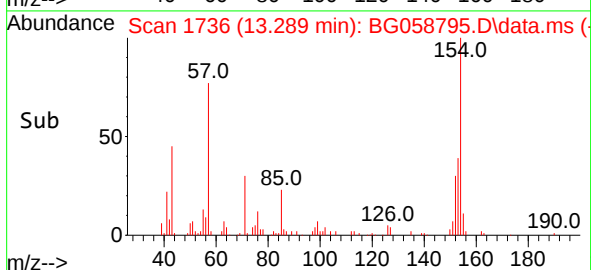
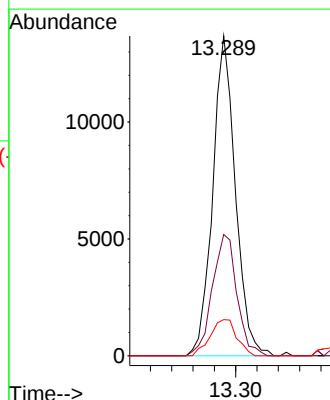
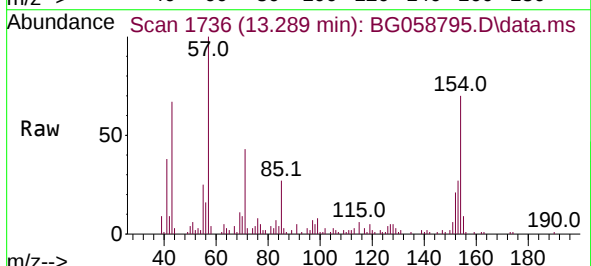
Tgt Ion:154 Resp: 20283

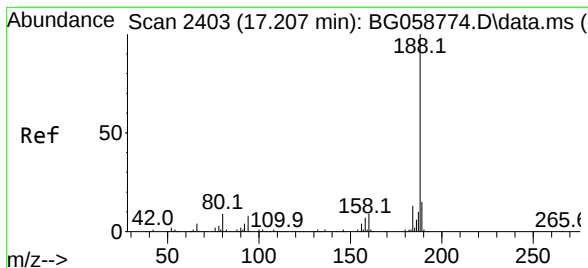
Ion Ratio Lower Upper

154 100

153 37.9 21.7 61.7

76 11.3 0.0 33.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.202 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Instrument :

BNA_G

ClientSampleId :

B-PP09C

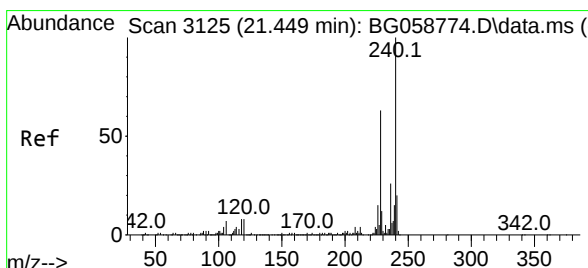
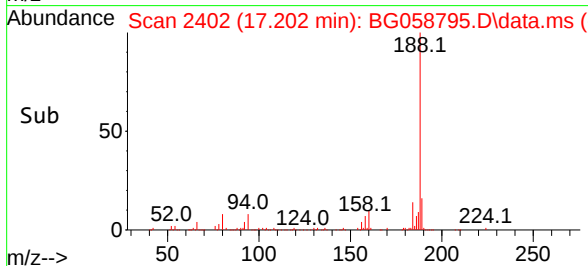
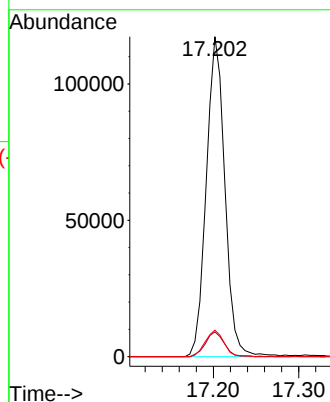
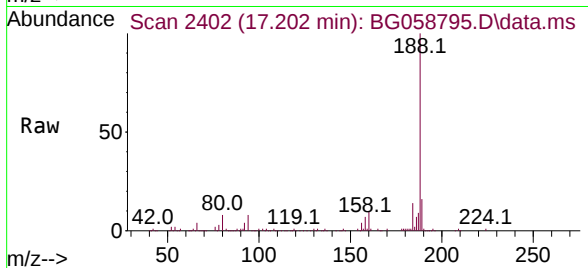
Tgt Ion:188 Resp: 177480

Ion Ratio Lower Upper

188 100

94 7.7 6.1 9.1

80 8.3 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3124

Delta R.T. -0.005 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

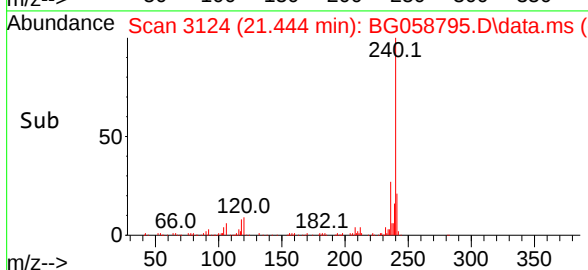
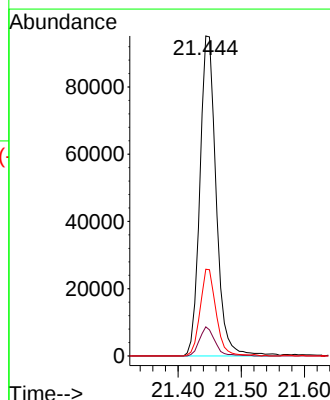
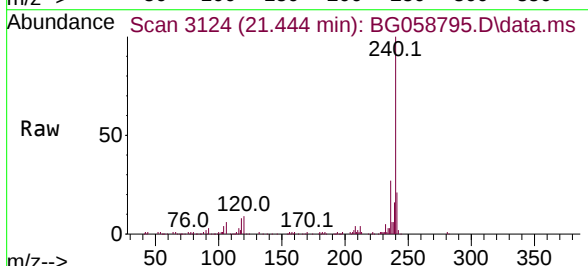
Tgt Ion:240 Resp: 170371

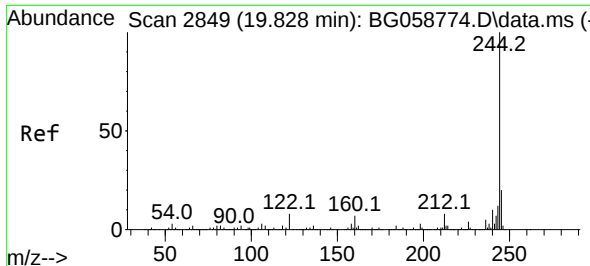
Ion Ratio Lower Upper

240 100

120 9.1 6.2 9.2

236 27.1 20.5 30.7

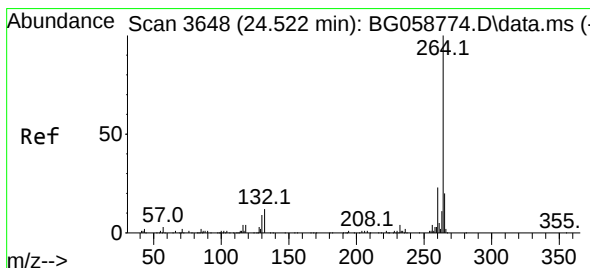
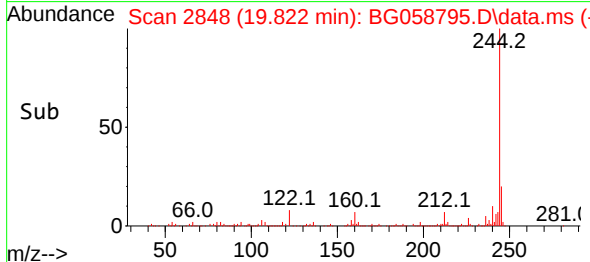
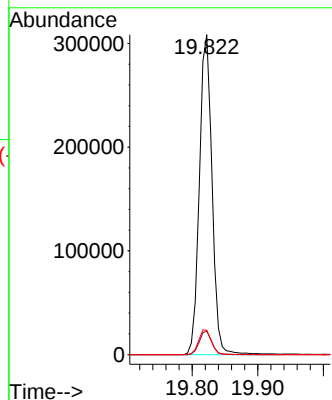
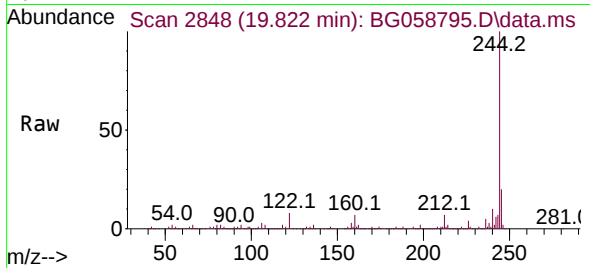




#79
 Terphenyl-d14
 Concen: 43.297 ng
 RT: 19.822 min Scan# 2848
 Delta R.T. -0.005 min
 Lab File: BG058795.D
 Acq: 21 Aug 2023 15:50

Instrument :
 BNA_G
 ClientSampleId :
 B-PP09C

Tgt Ion:244 Resp: 410818
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 7.6 6.3 9.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.523 min Scan# 3648
 Delta R.T. 0.000 min
 Lab File: BG058795.D
 Acq: 21 Aug 2023 15:50

Tgt Ion:264 Resp: 208556
 Ion Ratio Lower Upper
 264 100
 260 22.0 18.2 27.2
 265 21.0 16.4 24.6

