

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058716.D
 Acq On : 14 Aug 2023 10:28
 Operator : MA/JU
 Sample : 03961-03DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20071DL

Quant Time: Aug 15 03:42:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

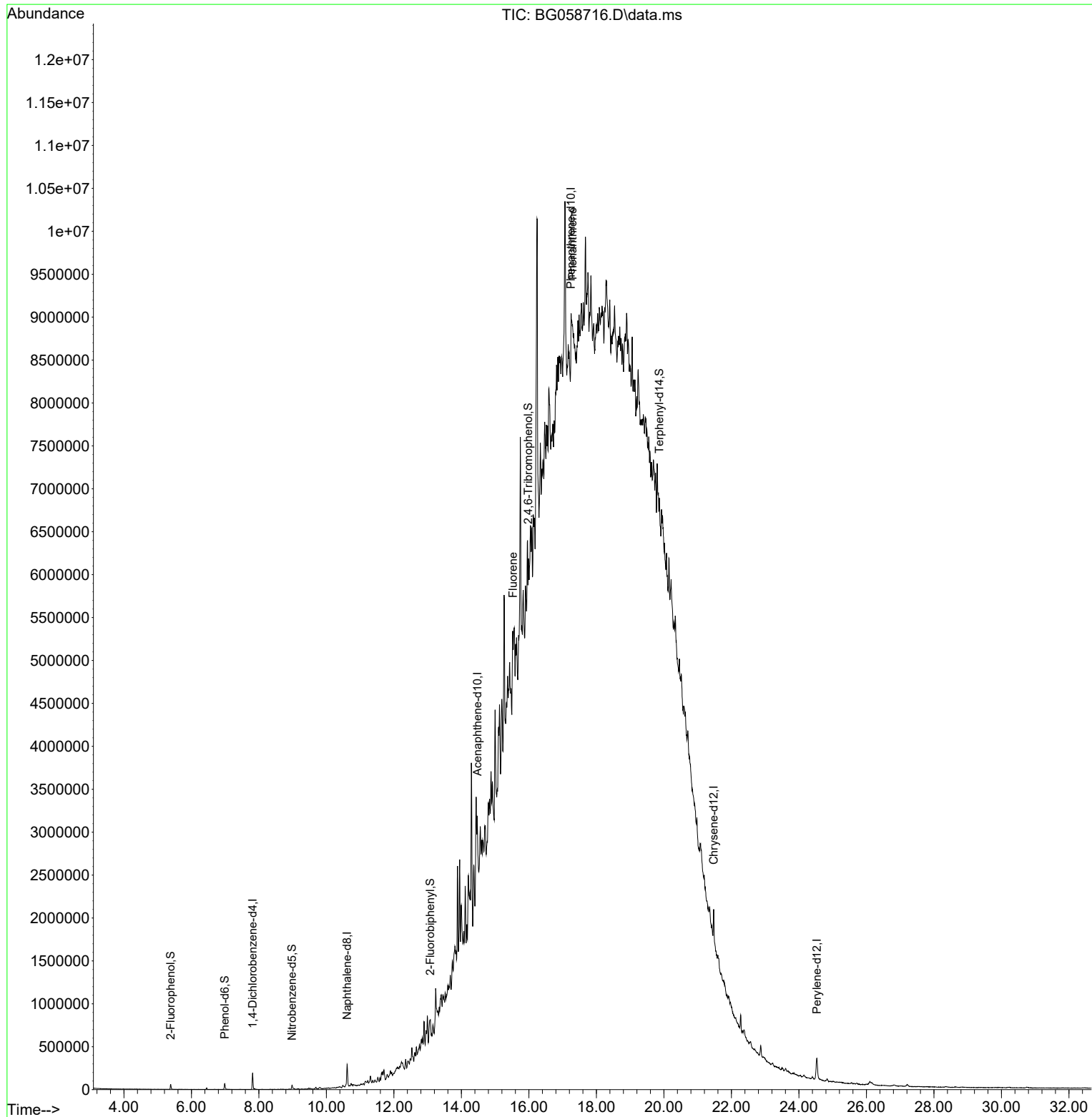
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	55264	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	228077	20.000	ng	0.00
39) Acenaphthene-d10	14.471	164	120347	20.000	ng	0.00
64) Phenanthrene-d10	17.244	188	164366	20.000	ng	# 0.04
76) Chrysene-d12	21.474	240	205240	20.000	ng	# 0.03
86) Perylene-d12	24.530	264	308098	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	27642	7.645	ng	0.00
7) Phenol-d6	6.985	99	48922	9.724	ng	0.00
23) Nitrobenzene-d5	8.983	82	35609	7.670	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	16807	8.520	ng	0.03
45) 2-Fluorobiphenyl	13.078	172	101914	12.691	ng	0.00
79) Terphenyl-d14	19.864	244	92553	8.480	ng	0.04
Target Compounds						
58) Fluorene	15.528	166	50398	5.922	ng	# 46
71) Phenanthrene	17.291	178	249016	31.946	ng	# 71

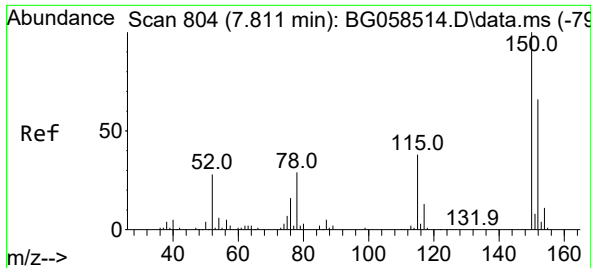
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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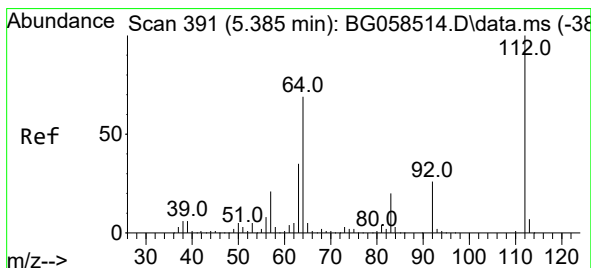
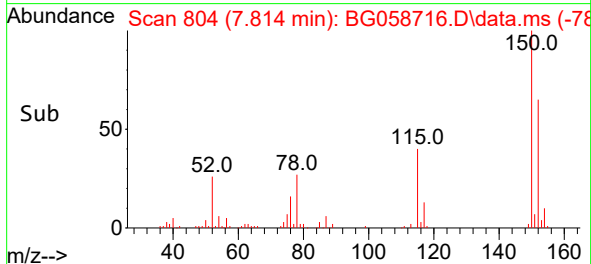
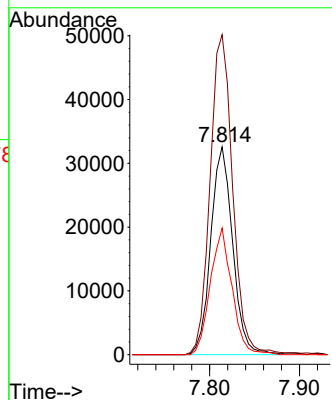
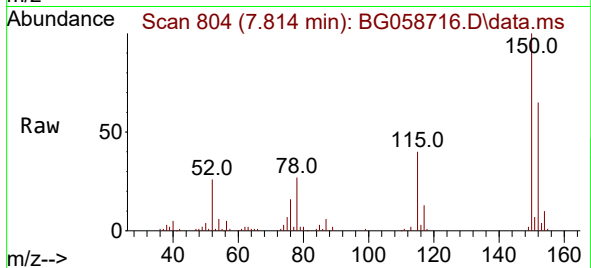




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

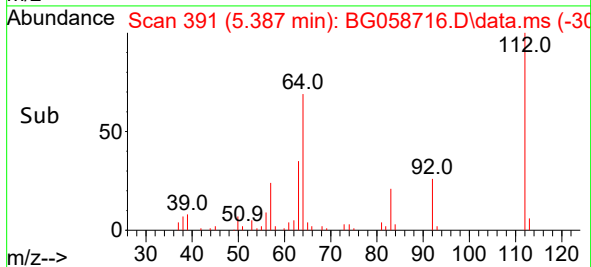
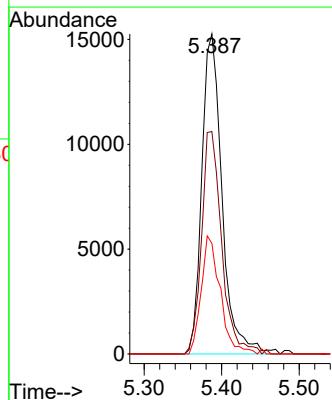
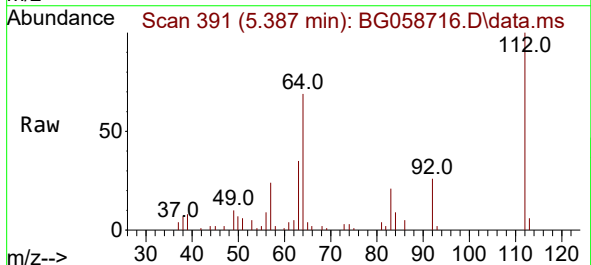
Instrument :
BNA_G
ClientSampleId :
20071DL

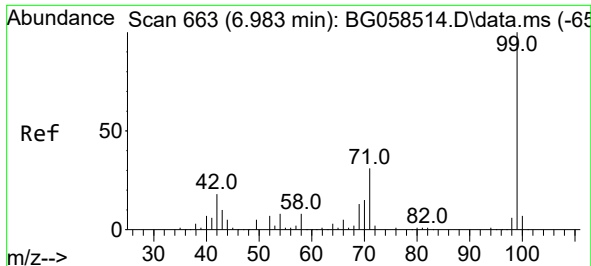
Tgt Ion:152 Resp: 55264
Ion Ratio Lower Upper
152 100
150 154.0 120.5 180.7
115 60.9 45.9 68.9



#5
2-Fluorophenol
Concen: 7.645 ng
RT: 5.387 min Scan# 391
Delta R.T. 0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:112 Resp: 27642
Ion Ratio Lower Upper
112 100
64 69.5 55.3 82.9
63 34.6 28.3 42.5

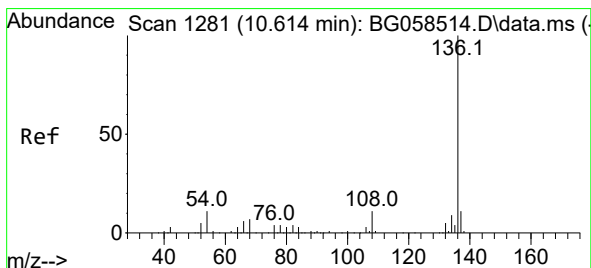
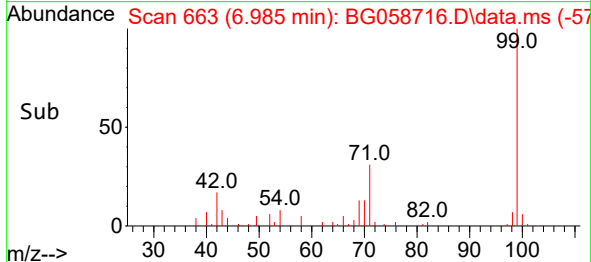
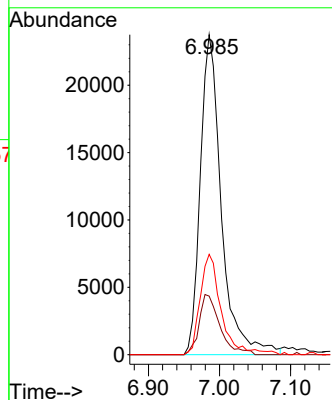
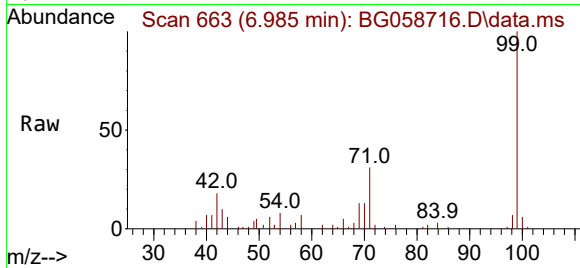




#7
Phenol-d6
Concen: 9.724 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

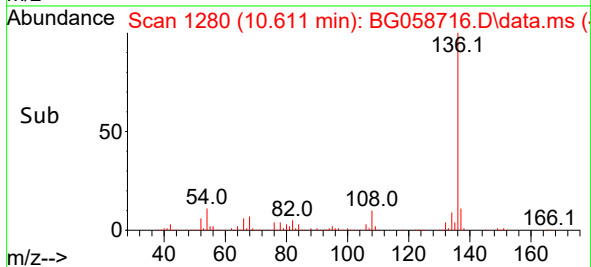
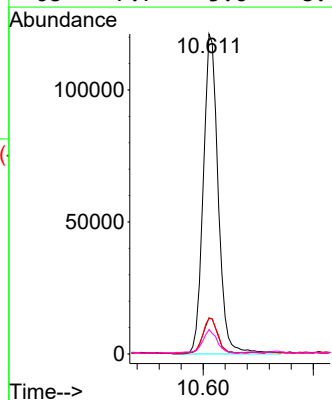
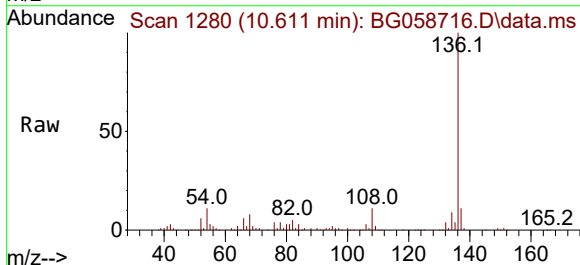
Instrument :
BNA_G
ClientSampleId :
20071DL

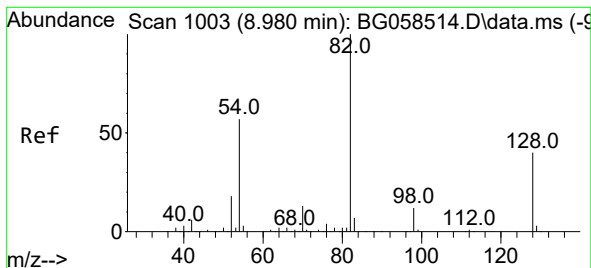
Tgt Ion: 99 Resp: 48922
Ion Ratio Lower Upper
99 100
42 18.3 14.6 21.8
71 31.4 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:136 Resp: 228077
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 11.0 8.9 13.3
68 7.7 5.6 8.4





#23

Nitrobenzene-d5

Concen: 7.670 ng

RT: 8.983 min Scan# 1003

Delta R.T. 0.003 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

Instrument :

BNA_G

ClientSampleId :

20071DL

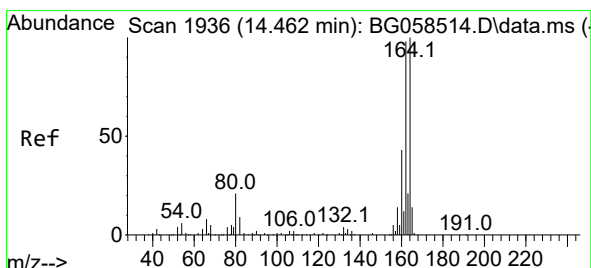
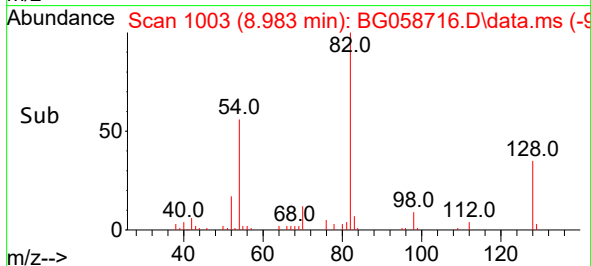
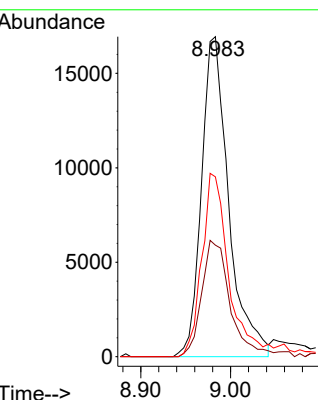
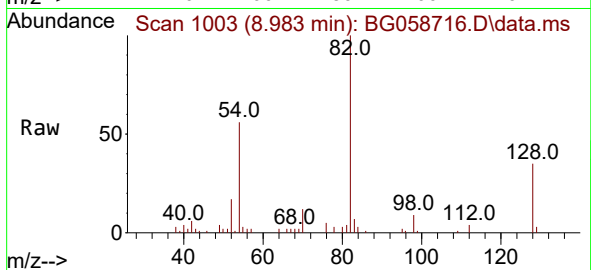
Tgt Ion: 82 Resp: 35609

Ion Ratio Lower Upper

82 100

128 34.9 32.2 48.2

54 56.2 46.0 69.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.471 min Scan# 1937

Delta R.T. 0.008 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

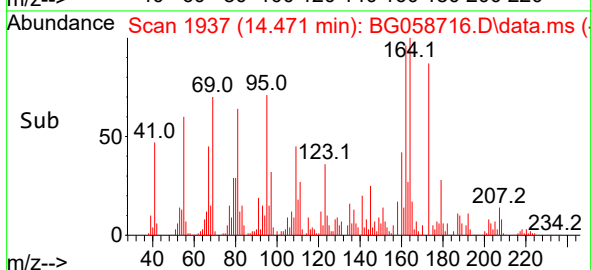
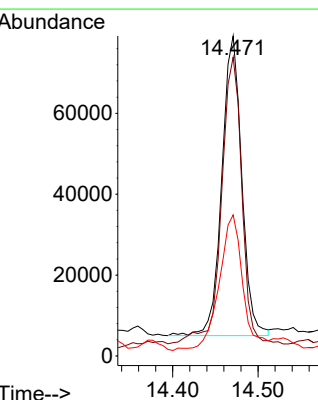
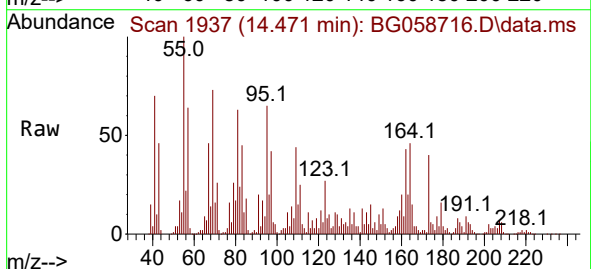
Tgt Ion:164 Resp: 120347

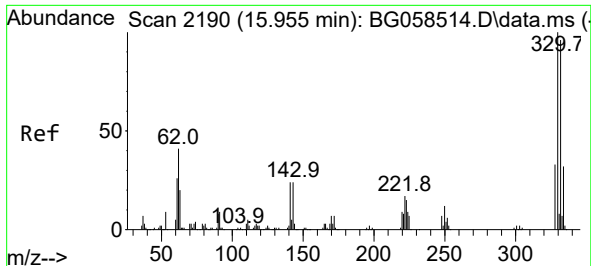
Ion Ratio Lower Upper

164 100

162 93.4 78.3 117.5

160 44.1 34.1 51.1

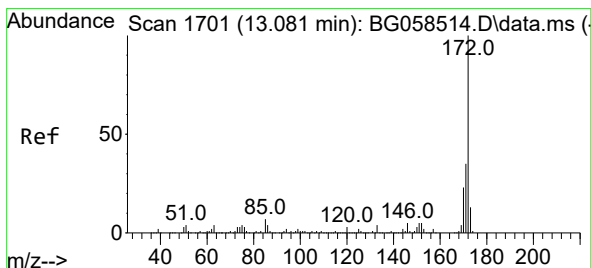
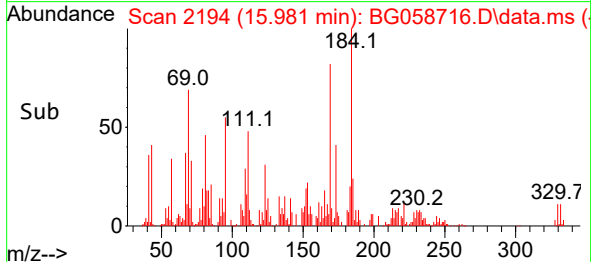
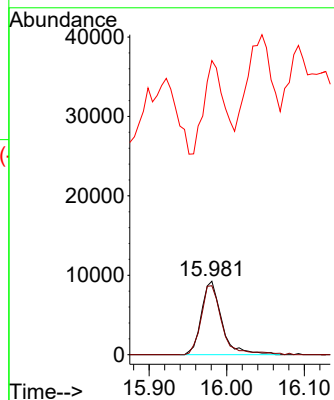
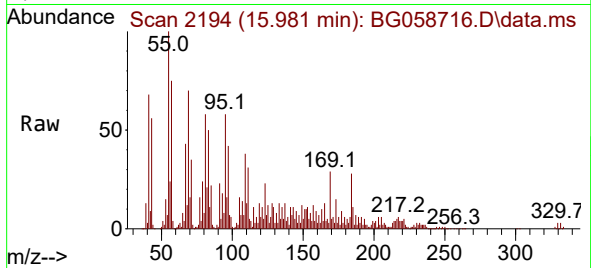




#42
2,4,6-Tribromophenol
Concen: 8.520 ng
RT: 15.981 min Scan# 2190
Delta R.T. 0.026 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

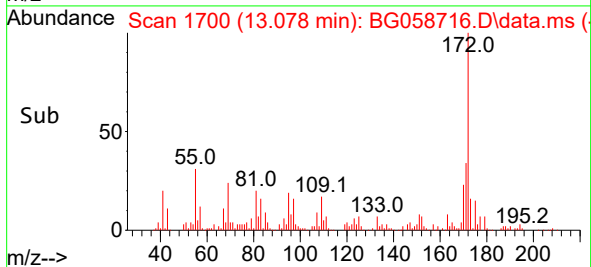
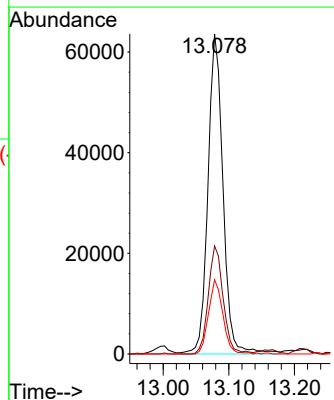
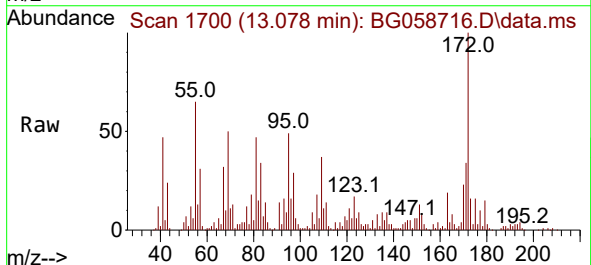
Instrument :
BNA_G
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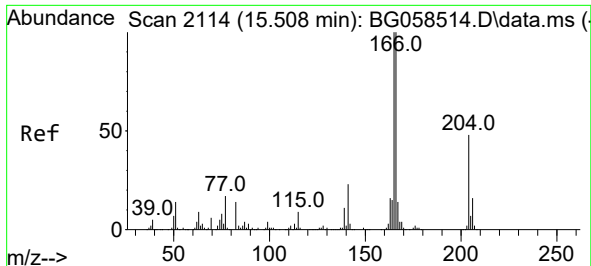
Tgt Ion:330 Resp: 16807
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 127.1 20.7 31.1#



#45
2-Fluorobiphenyl
Concen: 12.691 ng
RT: 13.078 min Scan# 1700
Delta R.T. -0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:172 Resp: 101914
Ion Ratio Lower Upper
172 100
171 33.7 28.0 42.0
170 23.2 18.4 27.6

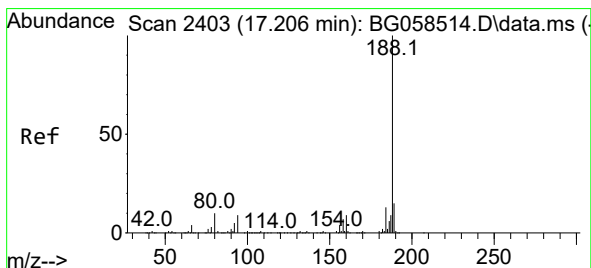
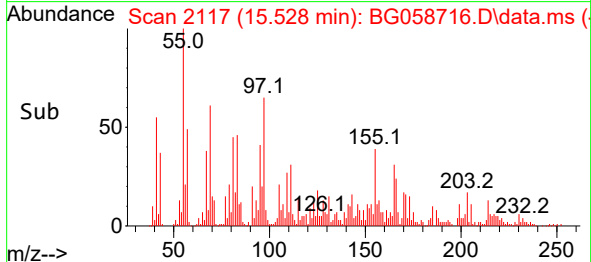
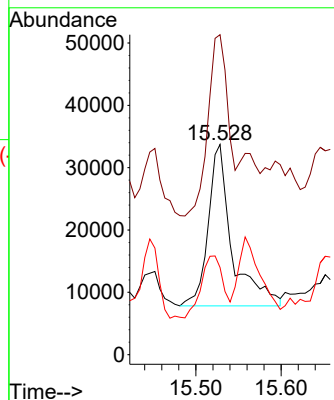
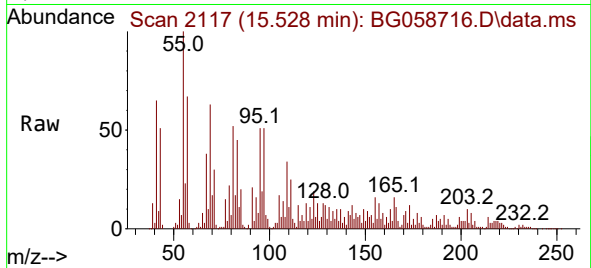




#58
Fluorene
Concen: 5.922 ng
RT: 15.528 min Scan# 2114
Delta R.T. 0.020 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

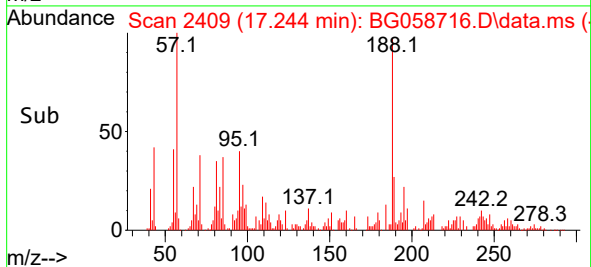
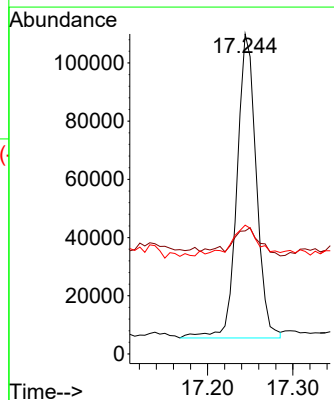
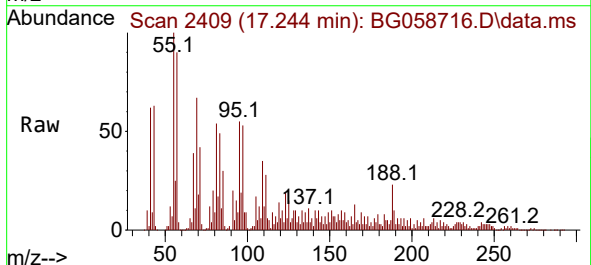
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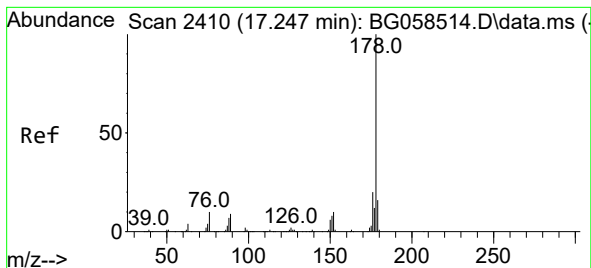
Tgt Ion:166 Resp: 50398
Ion Ratio Lower Upper
166 100
165 152.2 80.0 120.0#
167 41.5 11.3 16.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.244 min Scan# 2409
Delta R.T. 0.038 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:188 Resp: 164366
Ion Ratio Lower Upper
188 100
94 38.4 7.0 10.6#
80 40.3 8.1 12.1#





#71

Phenanthrene

Concen: 31.946 ng

RT: 17.291 min Scan# 2417

Delta R.T. 0.044 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

Instrument :

BNA_G

ClientSampleId :

20071DL

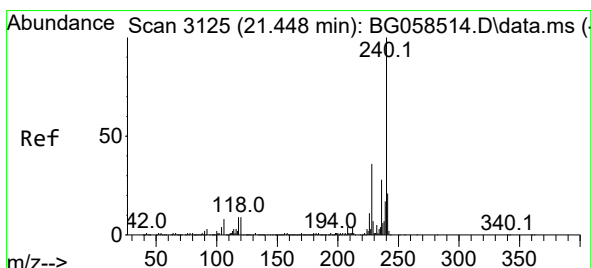
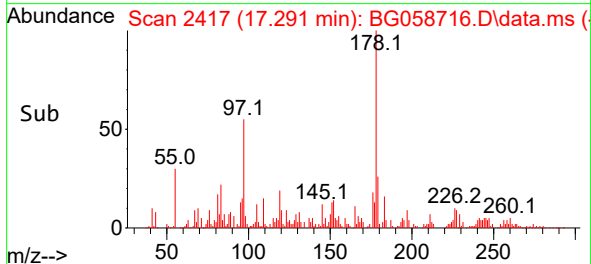
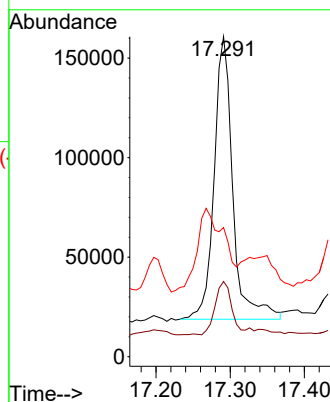
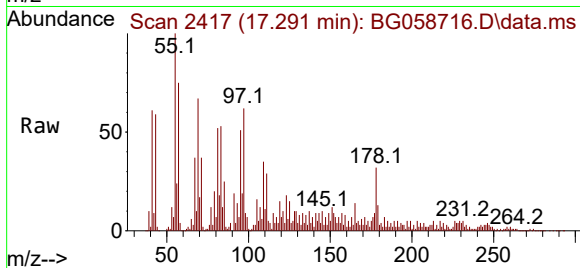
Tgt Ion:178 Resp: 249016

Ion Ratio Lower Upper

178 100

176 23.5 16.3 24.5

179 40.4 13.1 19.7#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.474 min Scan# 3129

Delta R.T. 0.026 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

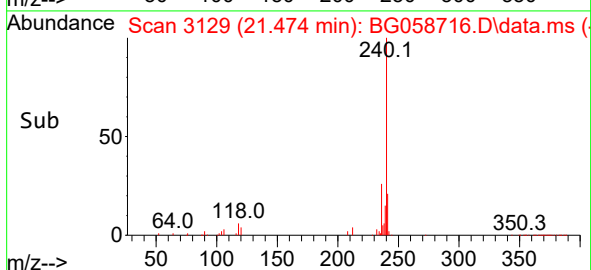
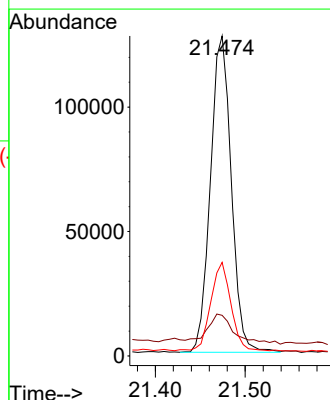
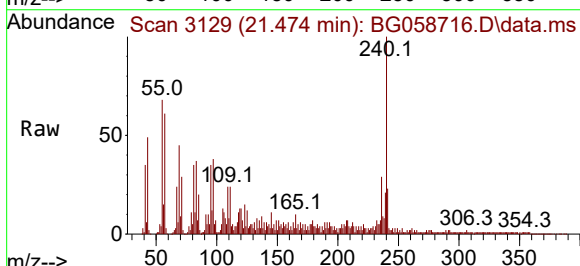
Tgt Ion:240 Resp: 205240

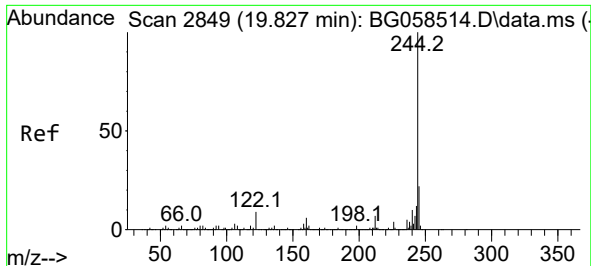
Ion Ratio Lower Upper

240 100

120 12.7 7.4 11.0#

236 29.3 22.2 33.4

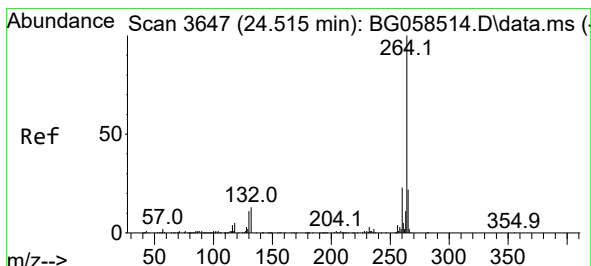
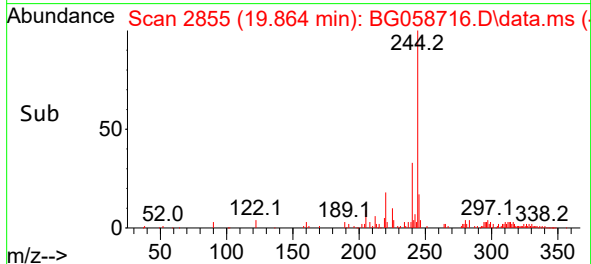
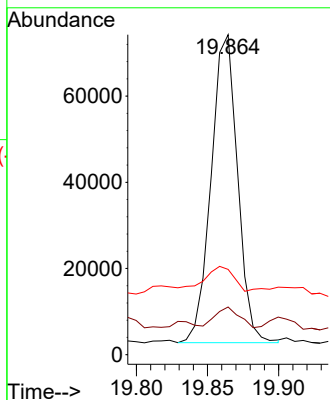
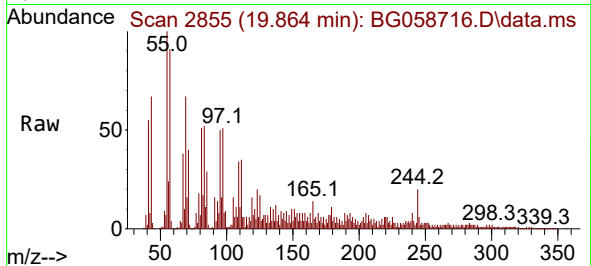




#79
 Terphenyl-d14
 Concen: 8.480 ng
 RT: 19.864 min Scan# 21
 Delta R.T. 0.038 min
 Lab File: BG058716.D
 Acq: 14 Aug 2023 10:28

Instrument :
 BNA_G
 ClientSampleId :
 20071DL

Tgt Ion:244 Resp: 92553
 Ion Ratio Lower Upper
 244 100
 212 14.9 5.9 8.9#
 122 26.7 6.8 10.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.530 min Scan# 3649
 Delta R.T. 0.014 min
 Lab File: BG058716.D
 Acq: 14 Aug 2023 10:28

Tgt Ion:264 Resp: 308098
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.4 27.6
 265 21.3 17.9 26.9

