

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060115.D
 Acq On : 21 Dec 2023 1:56
 Operator : MA/JU
 Sample : 05832-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20103

Quant Time: Dec 21 02:44:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

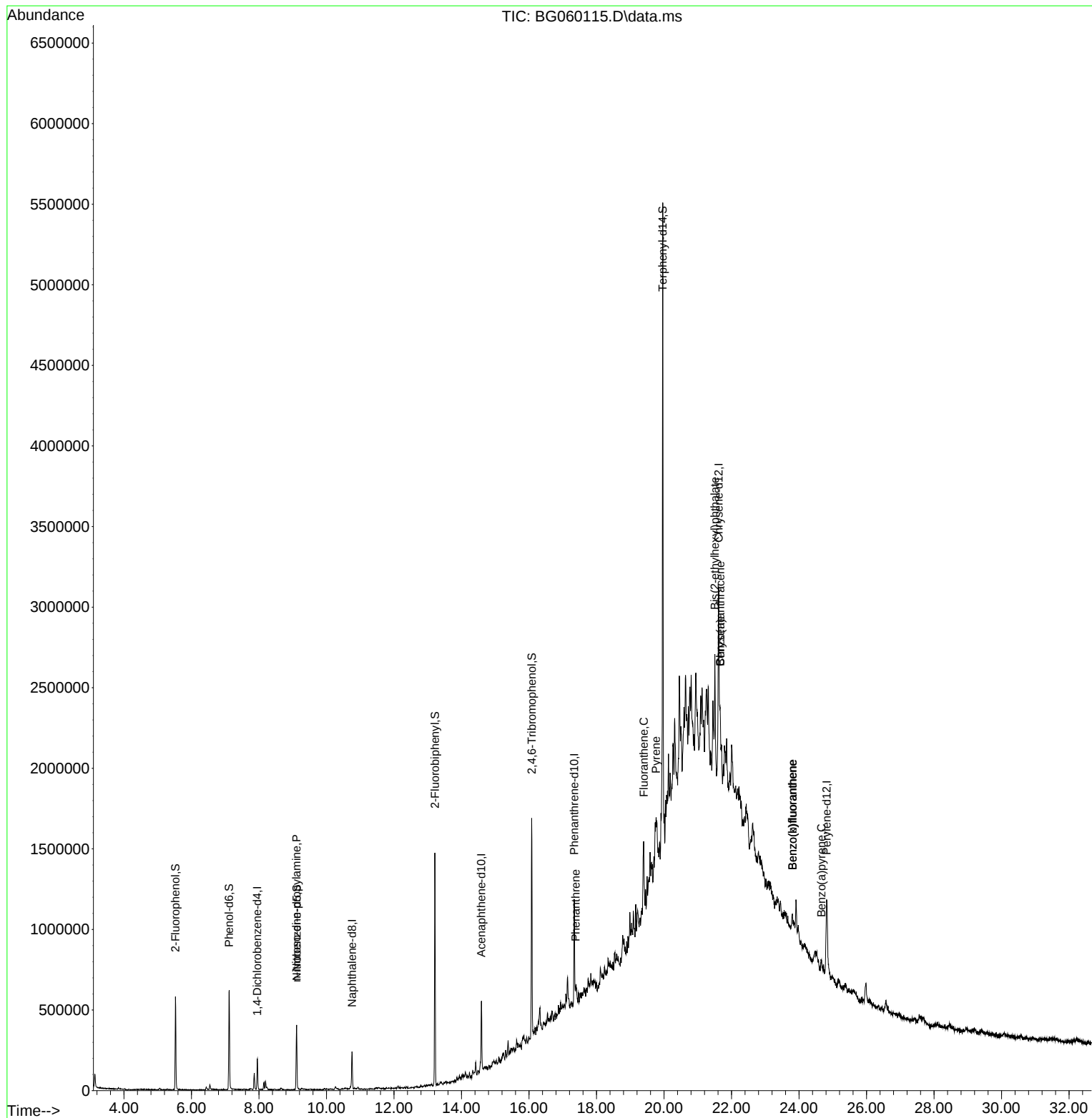
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	47481	20.000	ng	-0.01
21) Naphthalene-d8	10.755	136	150636	20.000	ng	# 0.00
39) Acenaphthene-d10	14.586	164	146549	20.000	ng	-0.01
64) Phenanthrene-d10	17.341	188	429971	20.000	ng	# 0.00
76) Chrysene-d12	21.619	240	593217	20.000	ng	# 0.00
86) Perylene-d12	24.815	264	657010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	168037	60.583	ng	0.00
7) Phenol-d6	7.112	99	265857	68.141	ng	0.00
23) Nitrobenzene-d5	9.116	82	224902	67.795	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	340768	99.778	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	751598	62.769	ng	0.00
79) Terphenyl-d14	19.962	244	2030568	62.494	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.110	70	37866	15.043	ng	# 79
71) Phenanthrene	17.383	178	68009	3.265	ng	# 95
75) Fluoranthene	19.398	202	219773	7.231	ng	94
78) Pyrene	19.762	202	172057	4.785	ng	95
81) Benzo(a)anthracene	21.666	228	129023	3.238	ng	98
83) Chrysene	21.666	228	129023	3.418	ng	96
84) Bis(2-ethylhexyl)phtha...	21.507	149	185304	18.930	ng	# 91
88) Benzo(b)fluoranthene	23.804	252	167210	4.121	ng	# 92
89) Benzo(k)fluoranthene	23.804	252	167210	4.248	ng	# 93
90) Benzo(a)pyrene	24.662	252	96248	2.677	ng	# 89

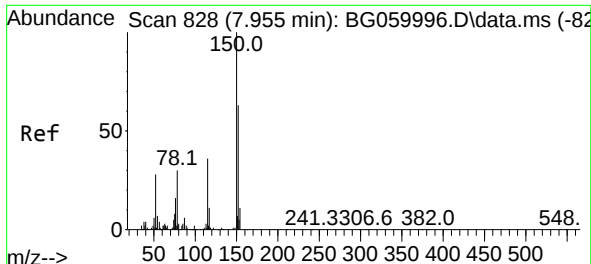
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
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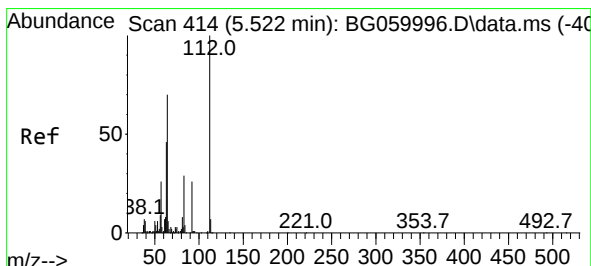
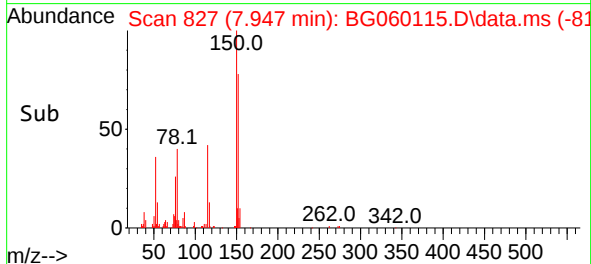
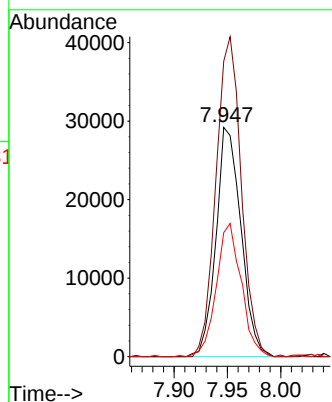
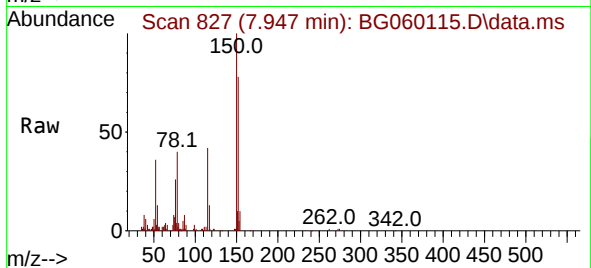




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

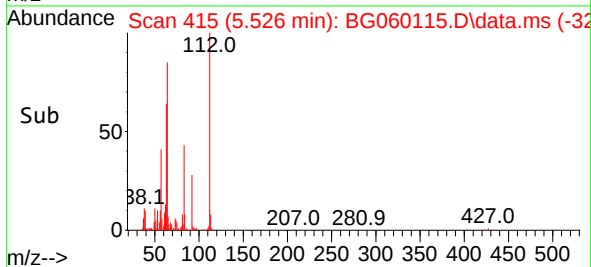
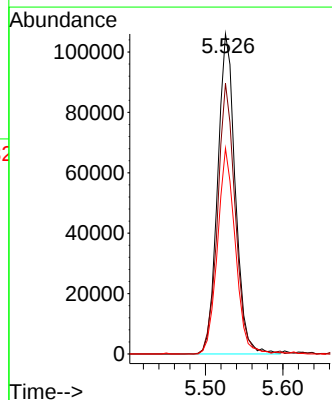
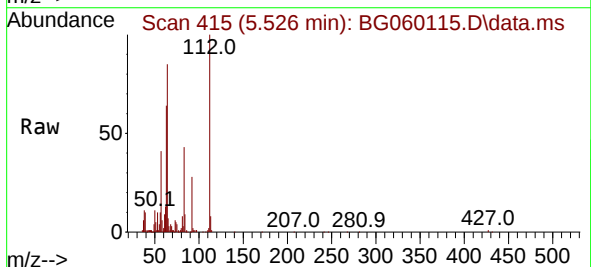
Instrument :
BNA_G
ClientSampleId :
CHRT-20103

Tgt Ion:152 Resp: 47481
Ion Ratio Lower Upper
152 100
150 128.8 127.0 190.6
115 54.1 45.7 68.5



#5
2-Fluorophenol
Concen: 60.583 ng
RT: 5.526 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Tgt Ion:112 Resp: 168037
Ion Ratio Lower Upper
112 100
64 84.5 55.9 83.9#
63 64.2 36.5 54.7#

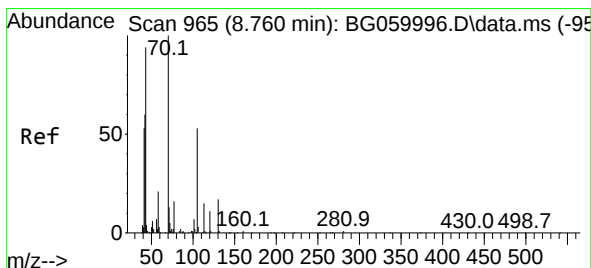
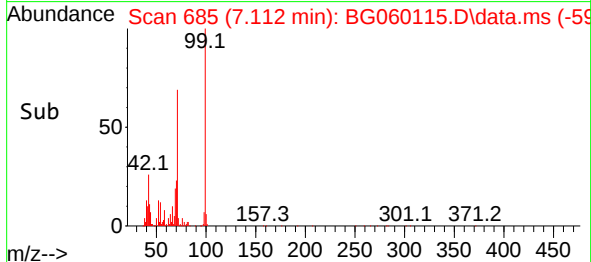
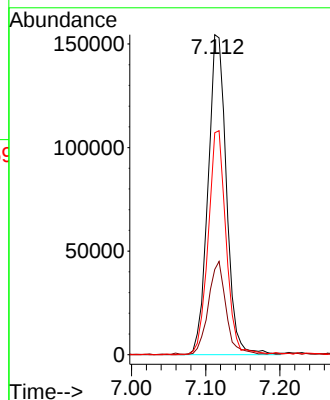
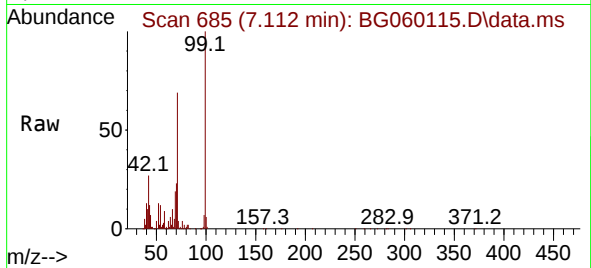




#7
Phenol-d6
Concen: 68.141 ng
RT: 7.112 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

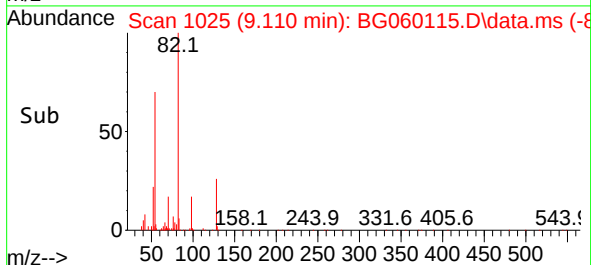
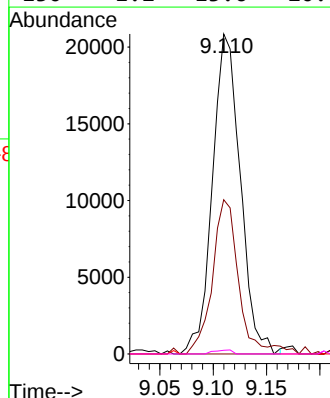
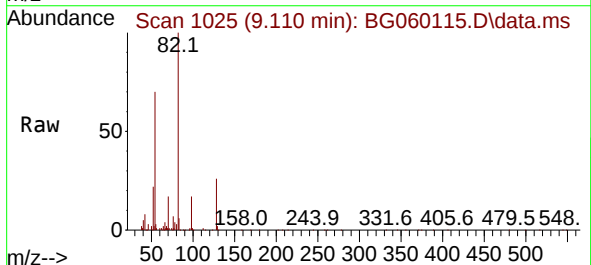
Instrument :
BNA_G
ClientSampleId :
CHRT-20103

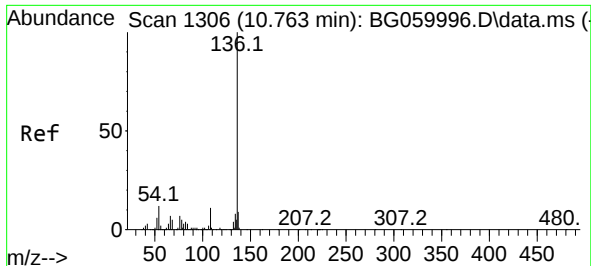
Tgt Ion: 99 Resp: 265857
Ion Ratio Lower Upper
99 100
42 26.7 16.2 24.4#
71 69.3 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 15.043 ng
RT: 9.110 min Scan# 1025
Delta R.T. 0.346 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Tgt Ion: 70 Resp: 37866
Ion Ratio Lower Upper
70 100
42 48.2 48.6 73.0#
101 0.0 5.7 8.5#
130 1.2 13.6 20.4#

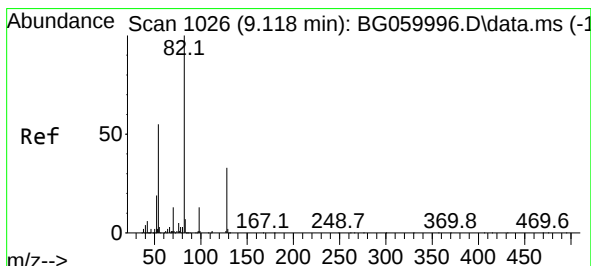
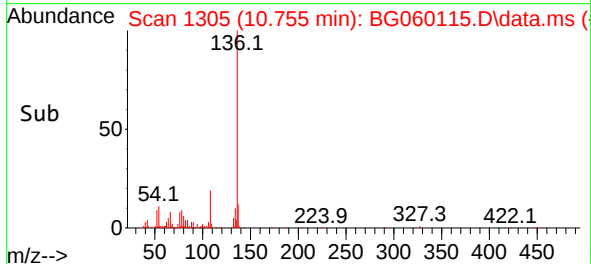
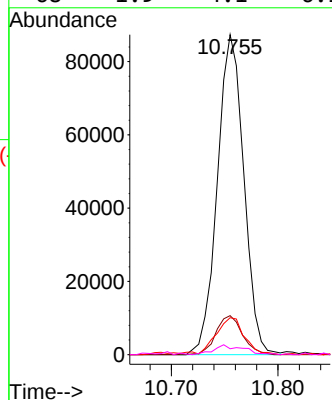
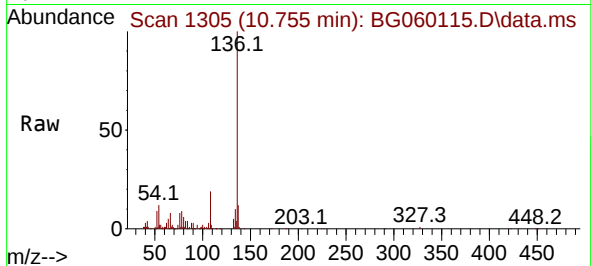




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.755 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

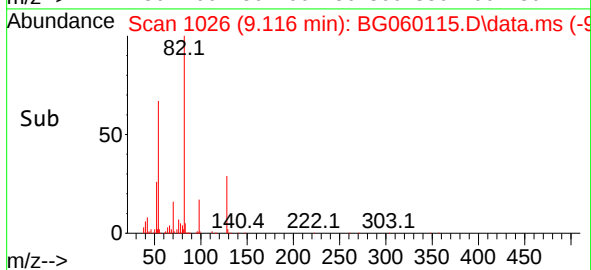
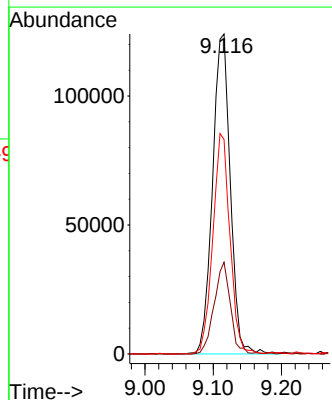
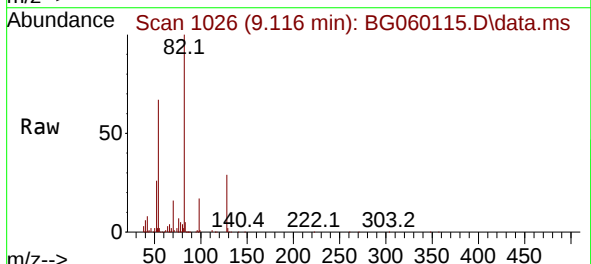
Instrument :
BNA_G
ClientSampleId :
CHRT-20103

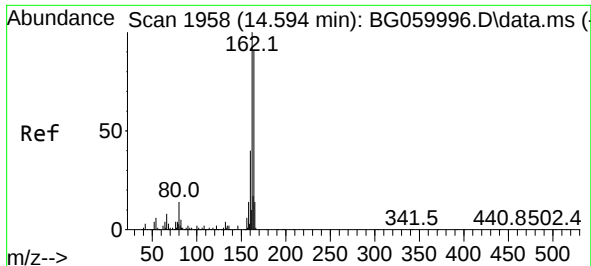
Tgt Ion:136 Resp: 150636
Ion Ratio Lower Upper
136 100
137 12.2 7.3 10.9#
54 11.5 9.6 14.4
68 1.9 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 67.795 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Tgt Ion: 82 Resp: 224902
Ion Ratio Lower Upper
82 100
128 28.7 26.3 39.5
54 67.1 44.3 66.5#

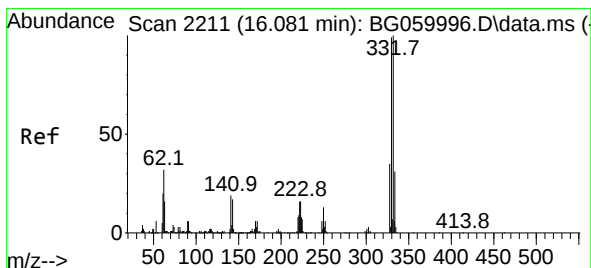
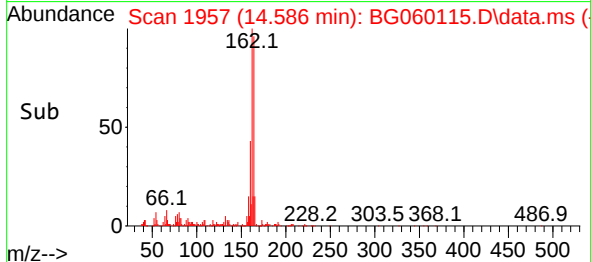
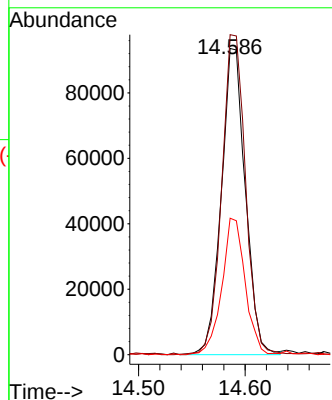
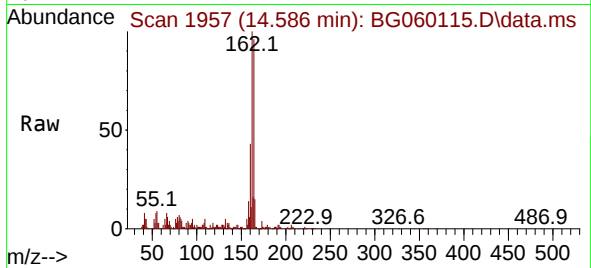




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

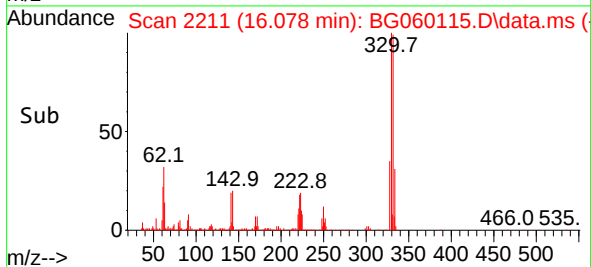
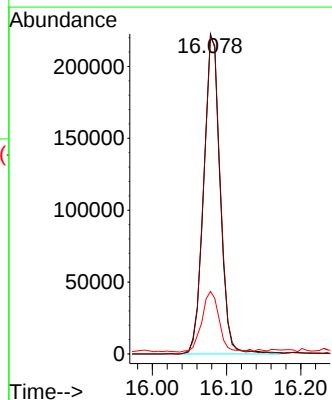
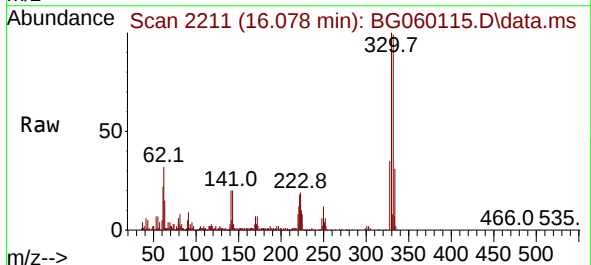
Instrument :
BNA_G
ClientSampleId :
CHRT-20103

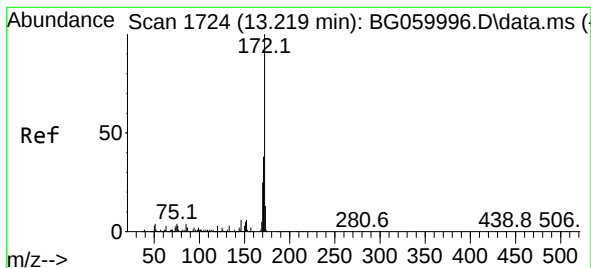
Tgt Ion:164 Resp: 146549
Ion Ratio Lower Upper
164 100
162 104.5 88.1 132.1
160 44.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 99.778 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Tgt Ion:330 Resp: 340768
Ion Ratio Lower Upper
330 100
332 100.3 76.2 114.4
141 20.0 14.3 21.5

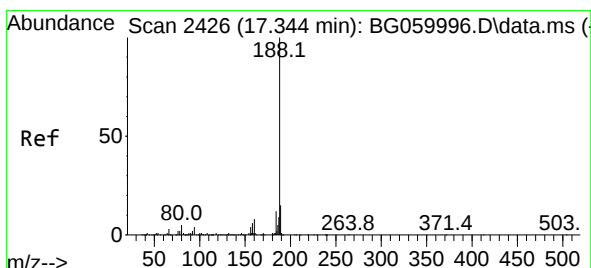
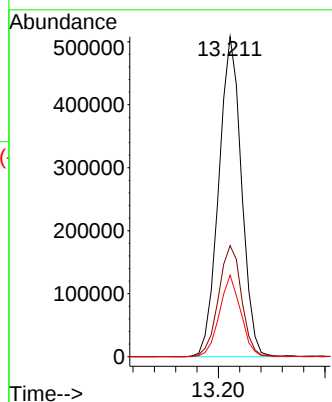
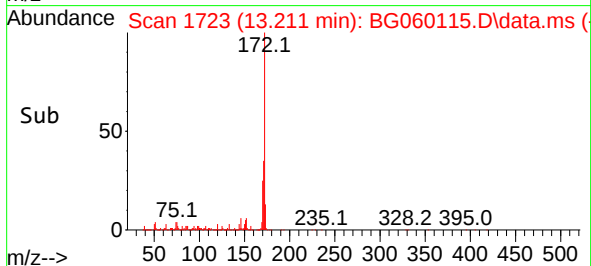
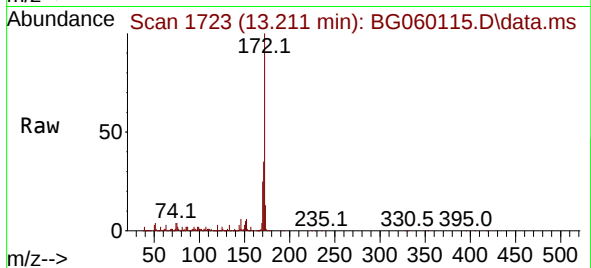




#45
2-Fluorobiphenyl
Concen: 62.769 ng
RT: 13.211 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

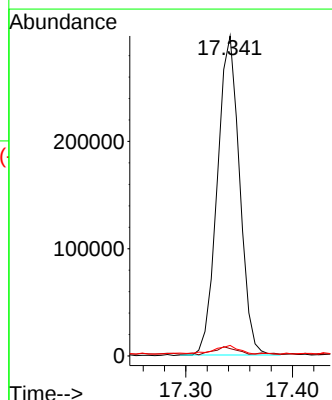
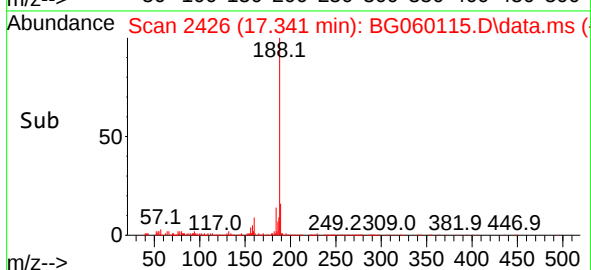
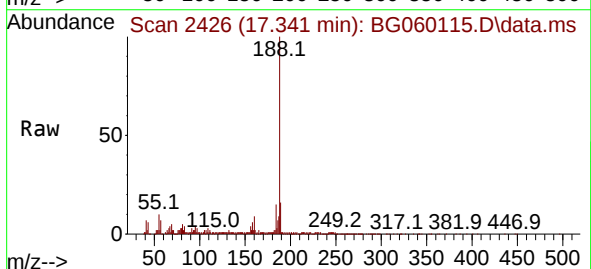
Instrument :
BNA_G
ClientSampleId :
CHRT-20103

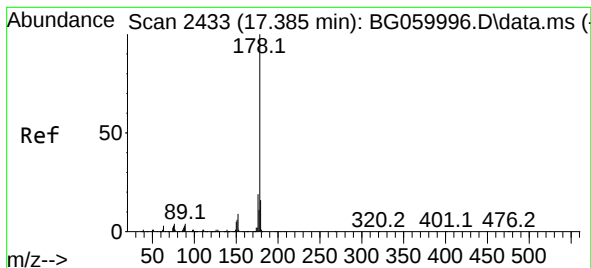
Tgt Ion:172 Resp: 751598
Ion Ratio Lower Upper
172 100
171 34.7 30.1 45.1
170 25.4 20.0 30.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Tgt Ion:188 Resp: 429971
Ion Ratio Lower Upper
188 100
94 2.3 3.0 4.6#
80 3.3 4.0 6.0#





#71

Phenanthrene

Concen: 3.265 ng

RT: 17.383 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103

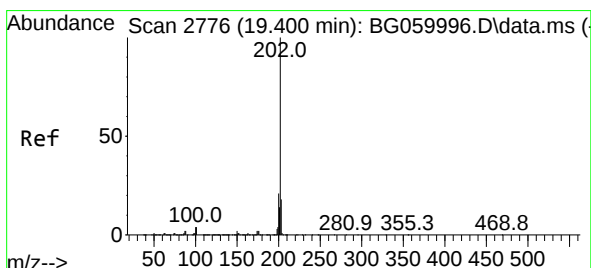
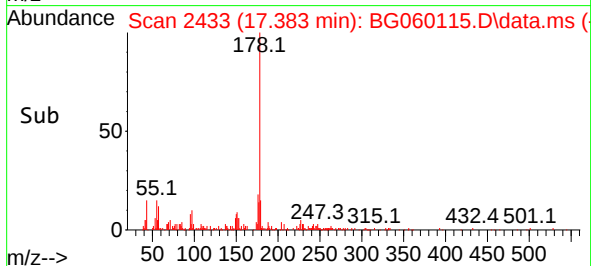
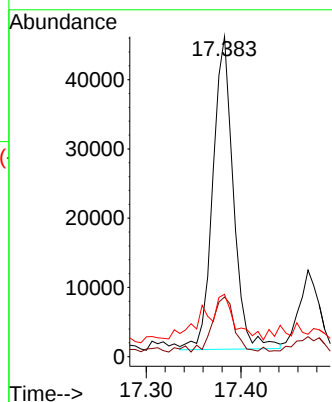
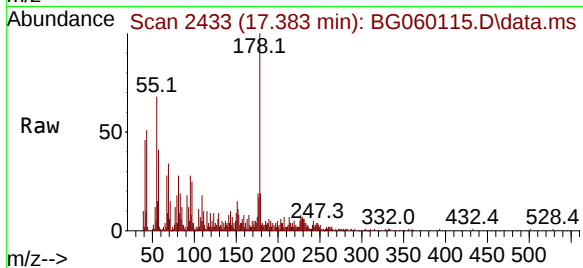
Tgt Ion:178 Resp: 68009

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

179 19.5 12.6 19.0#



#75

Fluoranthene

Concen: 7.231 ng

RT: 19.398 min Scan# 2776

Delta R.T. -0.006 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

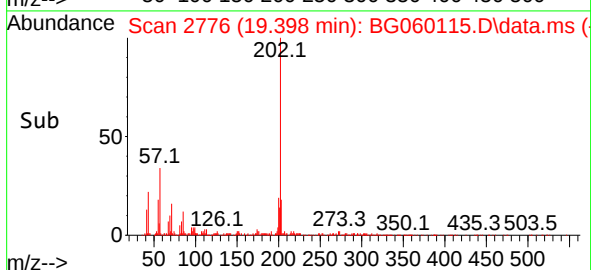
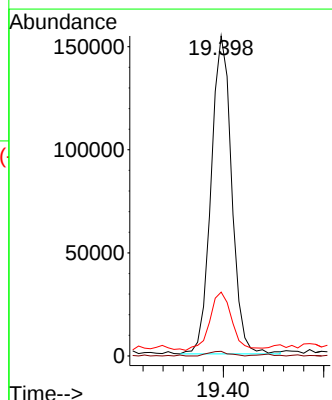
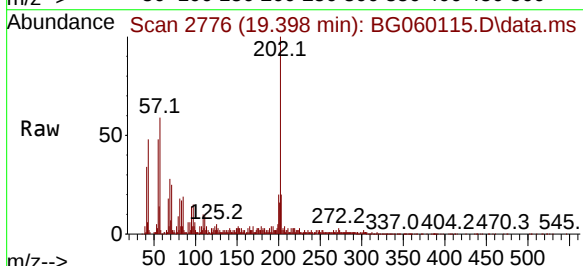
Tgt Ion:202 Resp: 219773

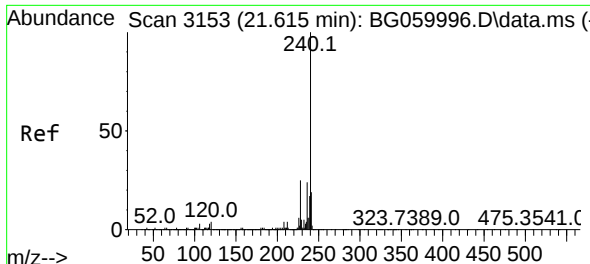
Ion Ratio Lower Upper

202 100

101 1.4 0.0 24.2

203 20.0 0.0 37.6

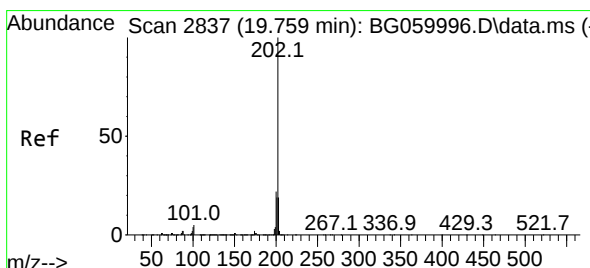
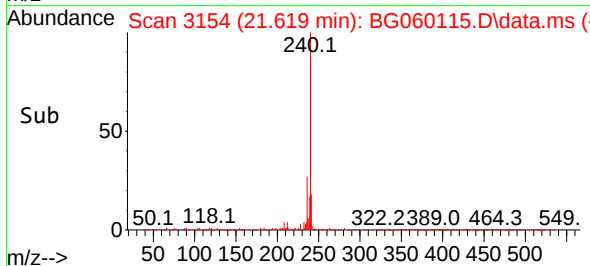
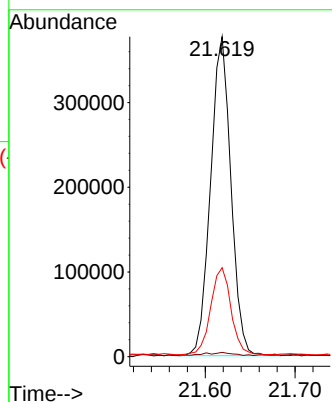
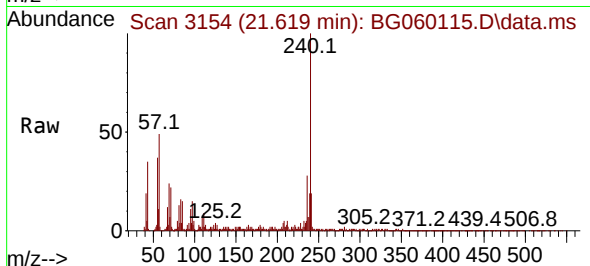




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.619 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

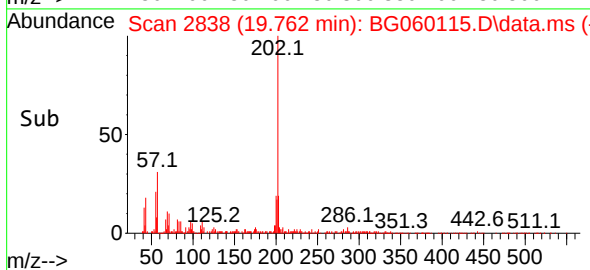
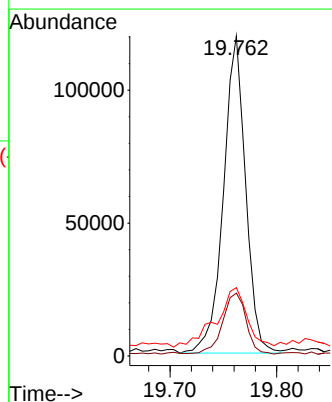
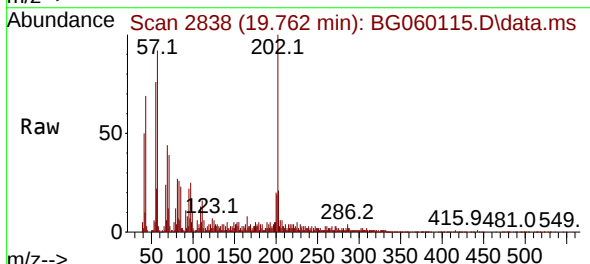
Instrument :
BNA_G
ClientSampleId :
CHRT-20103

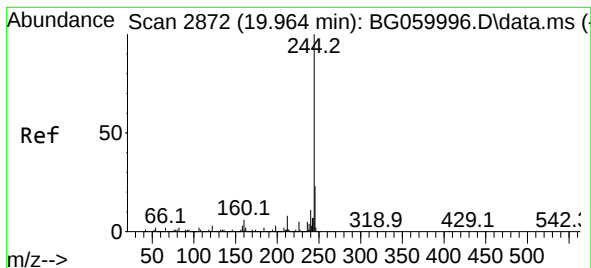
Tgt Ion:240 Resp: 593217
Ion Ratio Lower Upper
240 100
120 1.4 2.9 4.3#
236 27.8 19.4 29.2



#78
Pyrene
Concen: 4.785 ng
RT: 19.762 min Scan# 2838
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Tgt Ion:202 Resp: 172057
Ion Ratio Lower Upper
202 100
200 19.6 17.6 26.4
203 21.3 14.9 22.3





#79

Terphenyl-d14

Concen: 62.494 ng

RT: 19.962 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103

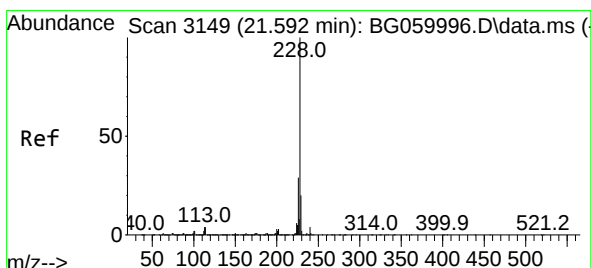
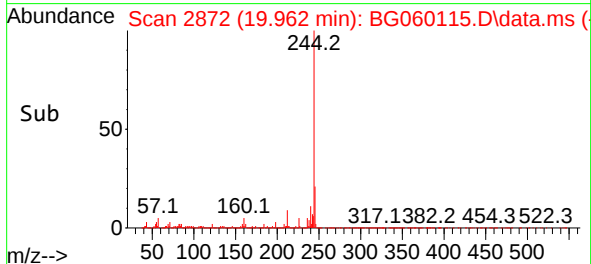
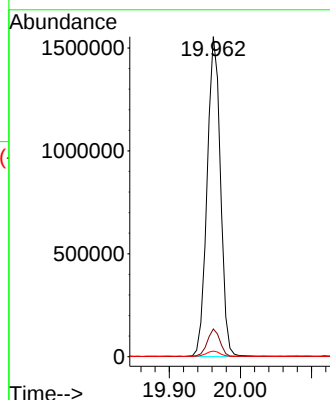
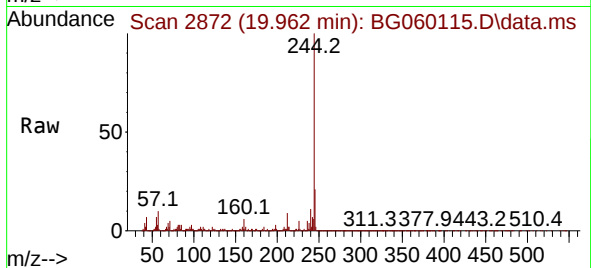
Tgt Ion:244 Resp: 2030568

Ion Ratio Lower Upper

244 100

212 8.7 6.8 10.2

122 1.8 2.6 3.8#



#81

Benzo(a)anthracene

Concen: 3.238 ng

RT: 21.666 min Scan# 3162

Delta R.T. 0.064 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

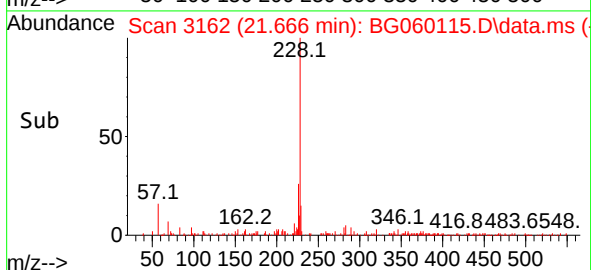
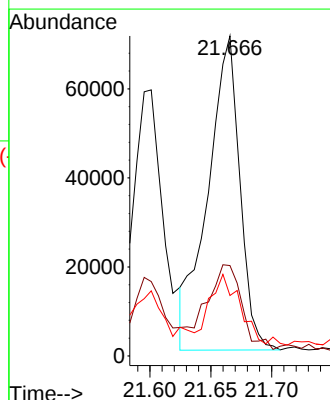
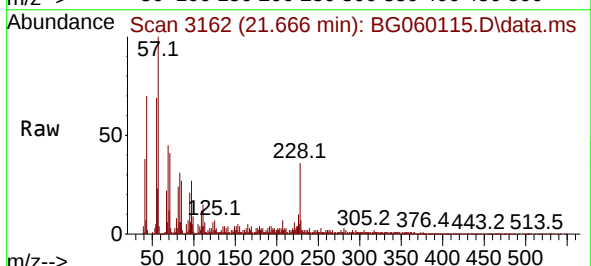
Tgt Ion:228 Resp: 129023

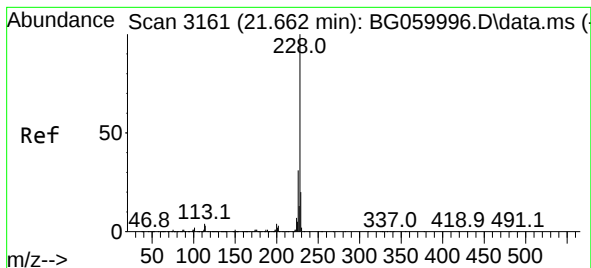
Ion Ratio Lower Upper

228 100

226 28.2 22.9 34.3

229 18.9 16.2 24.2





#83

Chrysene

Concen: 3.418 ng

RT: 21.666 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103

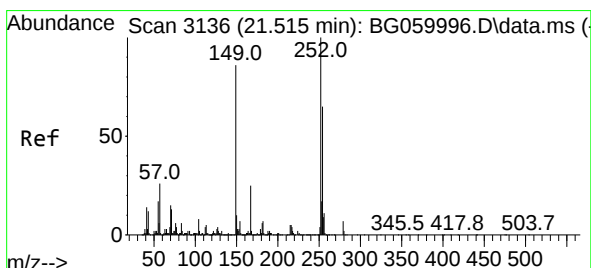
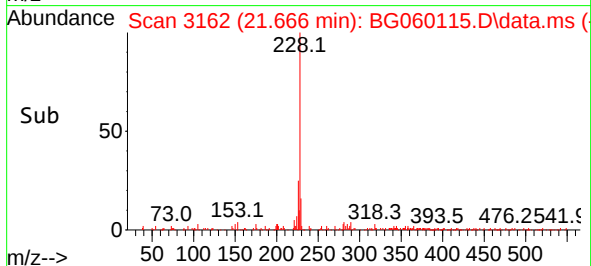
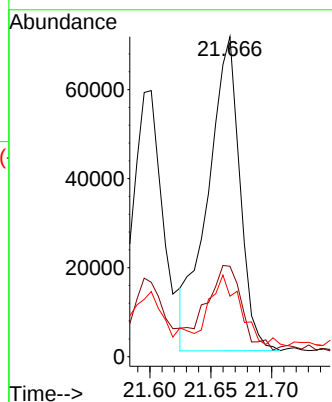
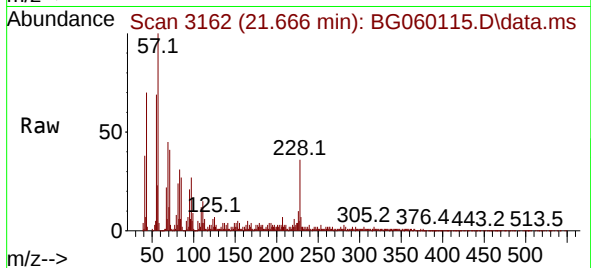
Tgt Ion:228 Resp: 129023

Ion Ratio Lower Upper

228 100

226 28.2 25.0 37.6

229 18.9 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.930 ng

RT: 21.507 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

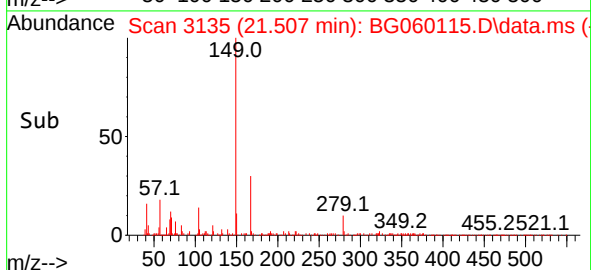
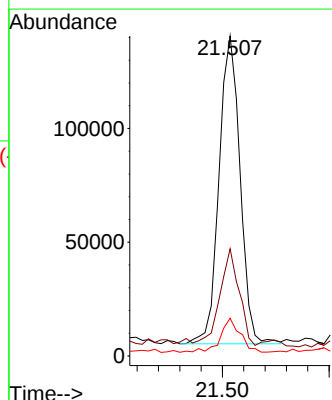
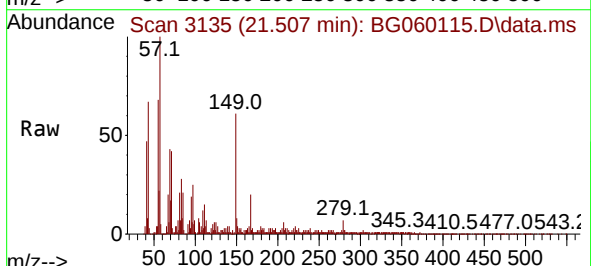
Tgt Ion:149 Resp: 185304

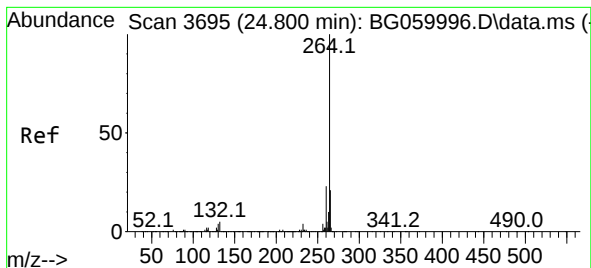
Ion Ratio Lower Upper

149 100

167 33.5 23.0 34.6

279 11.8 6.2 9.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.815 min Scan# 3

Delta R.T. -0.000 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

Instrument :

BNA_G

ClientSampleId :

CHRT-20103

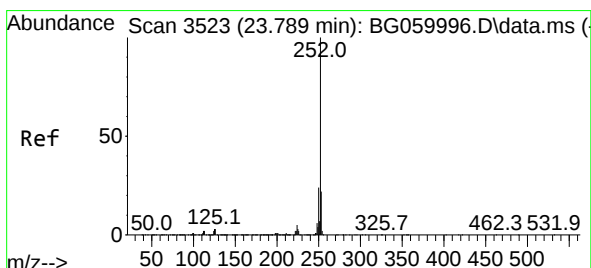
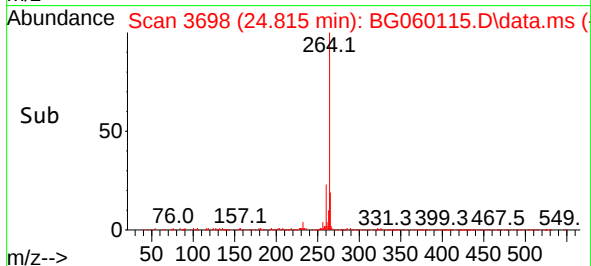
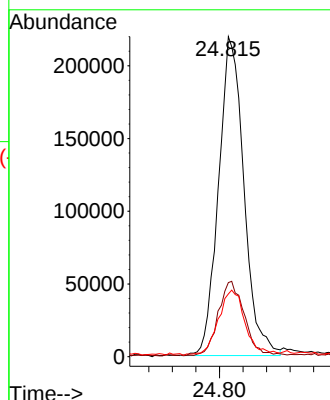
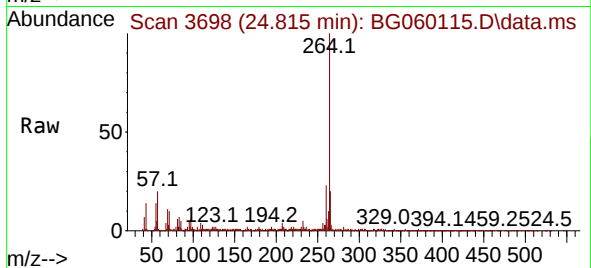
Tgt Ion:264 Resp: 657010

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 19.6 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 4.121 ng

RT: 23.804 min Scan# 3526

Delta R.T. 0.006 min

Lab File: BG060115.D

Acq: 21 Dec 2023 1:56

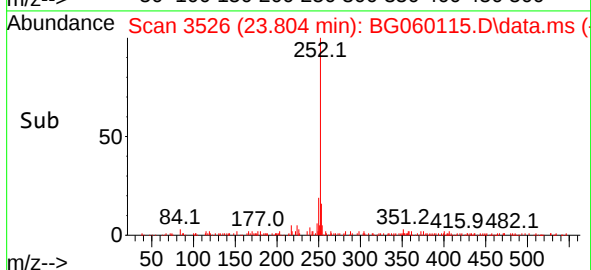
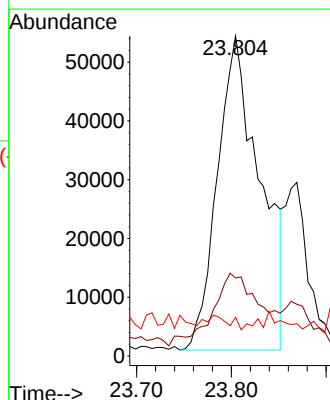
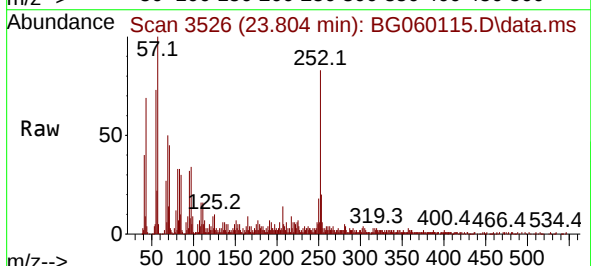
Tgt Ion:252 Resp: 167210

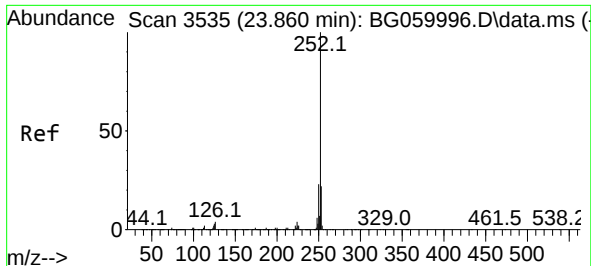
Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 12.1 2.6 4.0#

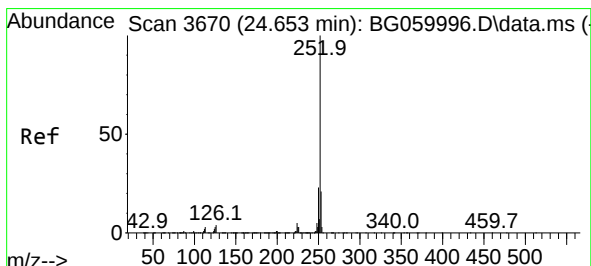
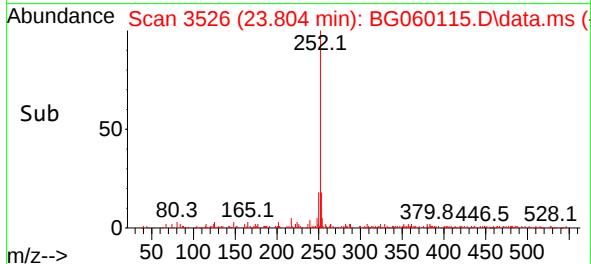
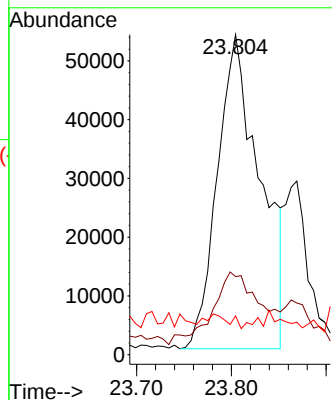
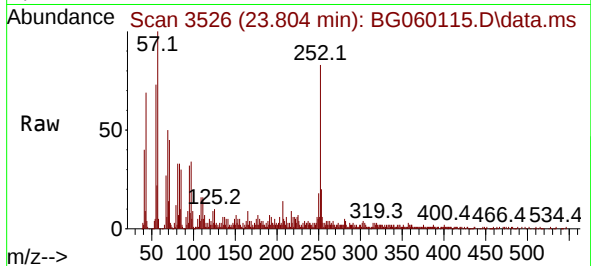




#89
Benzo(k)fluoranthene
Concen: 4.248 ng
RT: 23.804 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Instrument :
BNA_G
ClientSampleId :
CHRT-20103

Tgt Ion:252 Resp: 167210
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 12.1 2.5 3.7#



#90
Benzo(a)pyrene
Concen: 2.677 ng
RT: 24.662 min Scan# 3672
Delta R.T. -0.000 min
Lab File: BG060115.D
Acq: 21 Dec 2023 1:56

Tgt Ion:252 Resp: 96248
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 12.2 2.6 4.0#

