

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060114.D
 Acq On : 21 Dec 2023 1:16
 Operator : MA/JU
 Sample : 05767-07RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-E3-COMP

Quant Time: Dec 21 02:44:27 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)

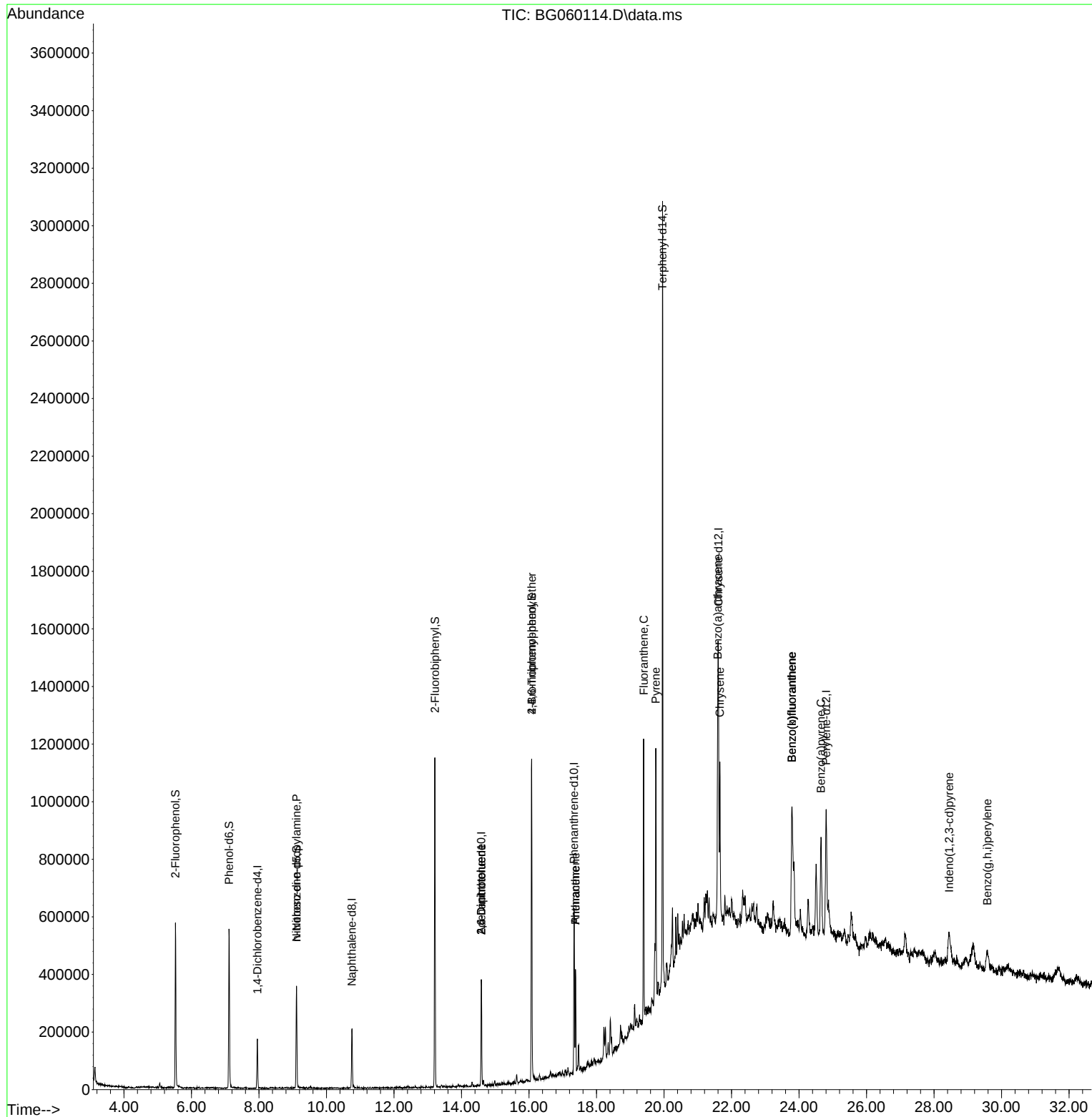
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	40989	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	143362	20.000	ng	#-0.01
39) Acenaphthene-d10	14.586	164	133510	20.000	ng	-0.01
64) Phenanthrene-d10	17.336	188	396765	20.000	ng	#-0.01
76) Chrysene-d12	21.607	240	507680	20.000	ng	#-0.01
86) Perylene-d12	24.804	264	578330	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	172494	72.040	ng	0.00
7) Phenol-d6	7.113	99	233979	69.468	ng	0.00
23) Nitrobenzene-d5	9.110	82	197356	62.510	ng	-0.01
42) 2,4,6-Tribromophenol	16.078	330	290216	93.275	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	614330	56.316	ng	0.00
79) Terphenyl-d14	19.956	244	1463324	52.624	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.110	70	30337	13.961	ng	# 87
51) 2,6-Dinitrotoluene	14.586	165	19225	8.955	ng	# 26
57) 2,4-Dinitrotoluene	14.586	165	19225	6.371	ng	# 29
67) 4-Bromophenyl-phenylether	16.078	248	18787	3.356	ng	# 1
69) Atrazine	16.813	200	189	Below Cal		85
71) Phenanthrene	17.377	178	246825	12.843	ng	97
72) Anthracene	17.377	178	246825	12.774	ng	98
75) Fluoranthene	19.398	202	706977	25.209	ng	94
78) Pyrene	19.757	202	635098	20.637	ng	97
81) Benzo(a)anthracene	21.590	228	502793	14.744	ng	99
83) Chrysene	21.654	228	438830	13.582	ng	99
87) Indeno(1,2,3-cd)pyrene	28.446	276	286376	6.938	ng	# 90
88) Benzo(b)fluoranthene	23.787	252	684349	19.160	ng	# 96
89) Benzo(k)fluoranthene	23.787	252	684349	19.753	ng	# 96
90) Benzo(a)pyrene	24.651	252	469887	14.849	ng	# 90
92) Benzo(g,h,i)perylene	29.580	276	226830	6.607	ng	# 95

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

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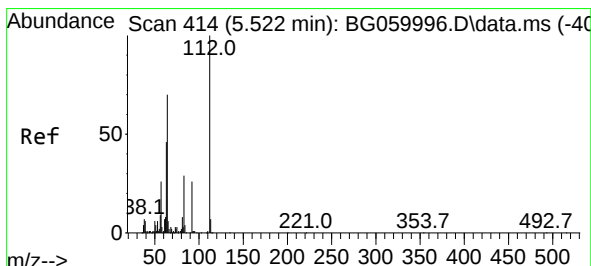
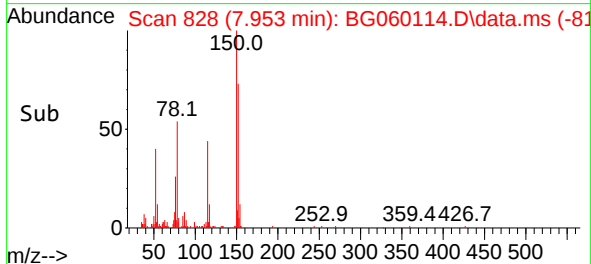
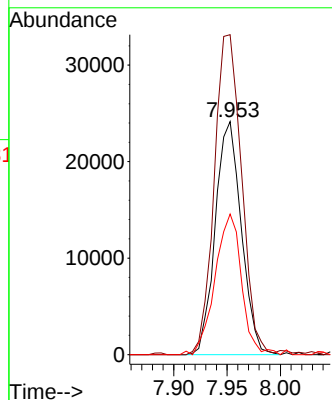
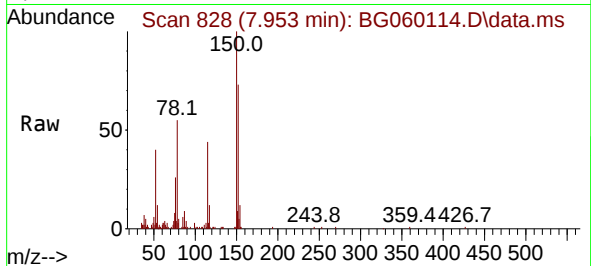




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

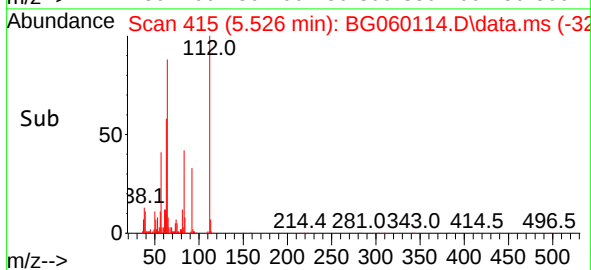
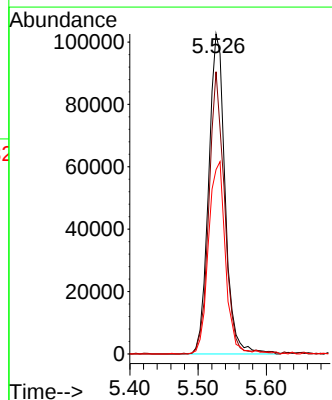
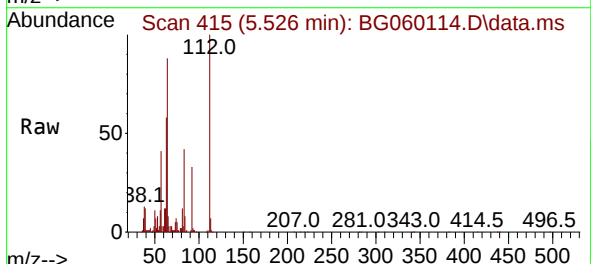
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

Tgt Ion:152 Resp: 40989
Ion Ratio Lower Upper
152 100
150 137.3 127.0 190.6
115 60.4 45.7 68.5



#5
2-Fluorophenol
Concen: 72.040 ng
RT: 5.526 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:112 Resp: 172494
Ion Ratio Lower Upper
112 100
64 88.2 55.9 83.9#
63 57.6 36.5 54.7#

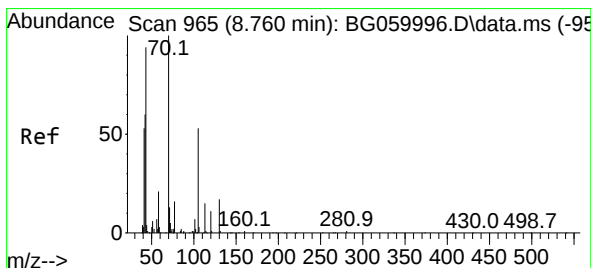
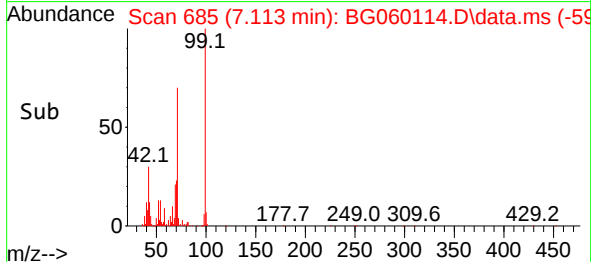
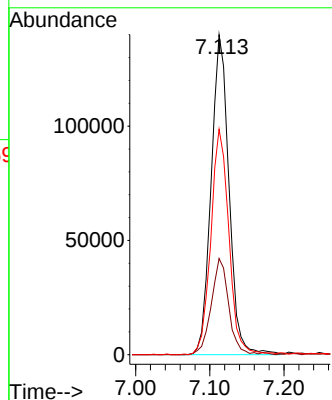
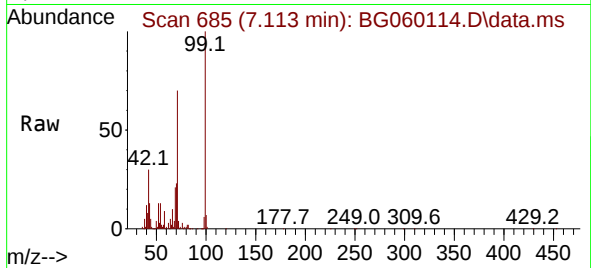




#7
Phenol-d6
Concen: 69.468 ng
RT: 7.113 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

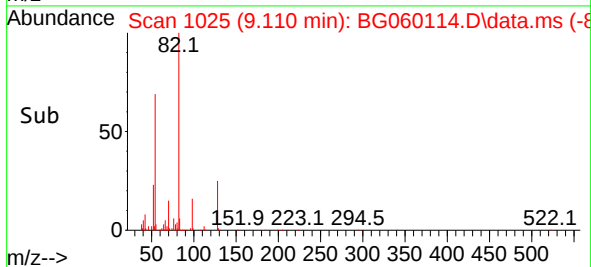
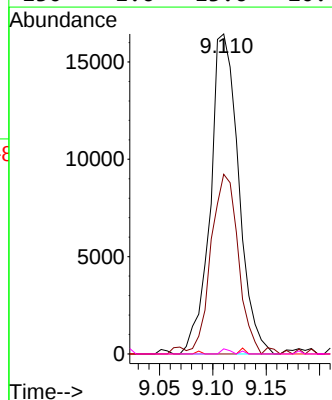
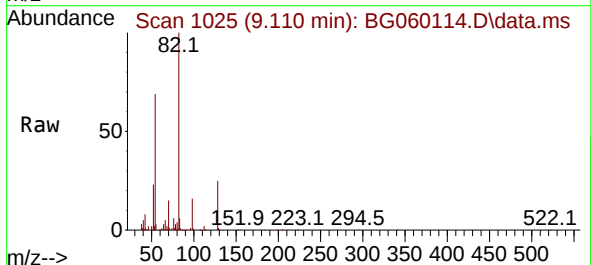
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

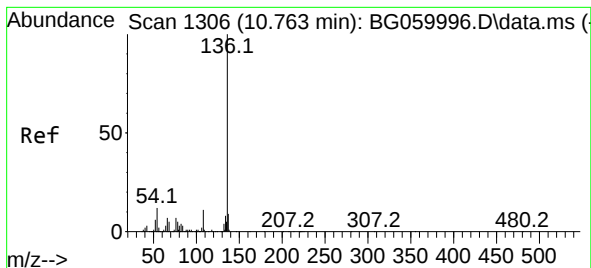
Tgt Ion: 99 Resp: 233979
Ion Ratio Lower Upper
99 100
42 30.0 16.2 24.4#
71 70.5 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 13.961 ng
RT: 9.110 min Scan# 1025
Delta R.T. 0.347 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion: 70 Resp: 30337
Ion Ratio Lower Upper
70 100
42 56.1 48.6 73.0
101 0.0 5.7 8.5#
130 1.6 13.6 20.4#

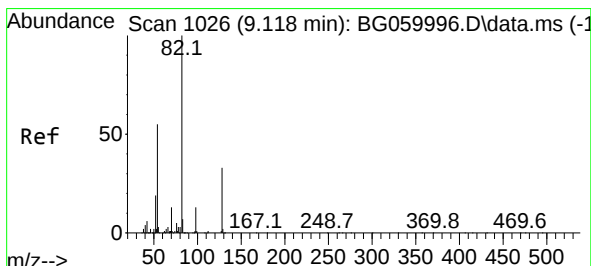
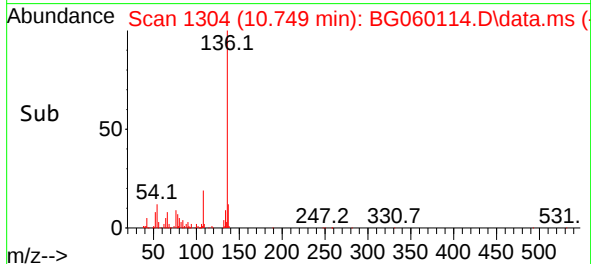
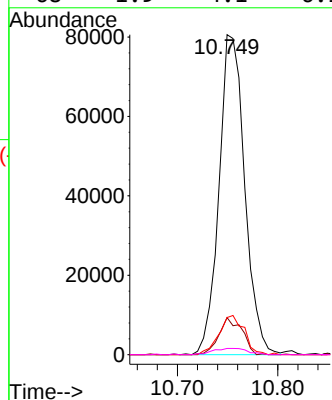
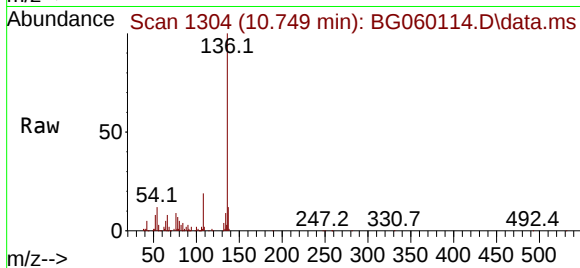




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

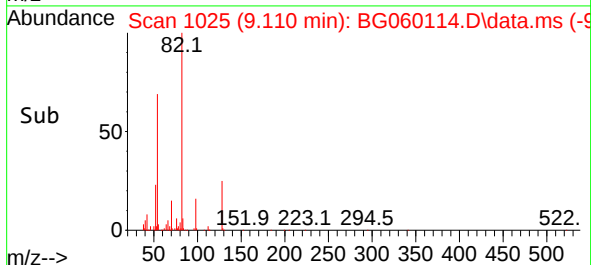
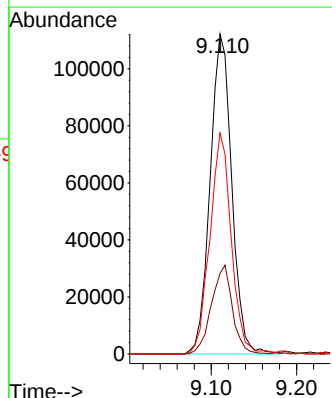
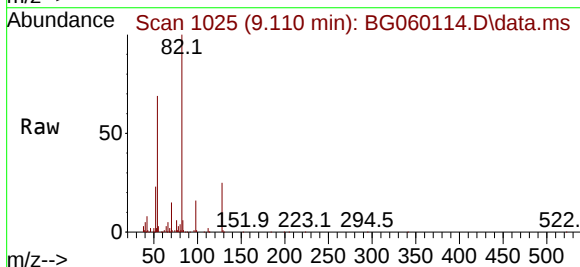
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

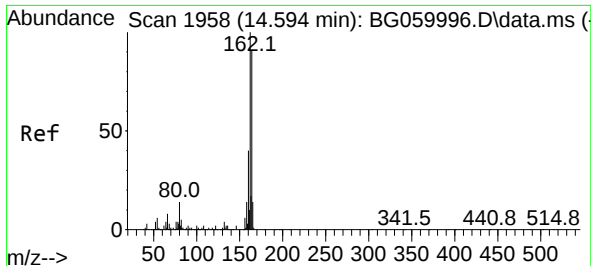
Tgt Ion:136 Resp: 143362
Ion Ratio Lower Upper
136 100
137 11.6 7.3 10.9#
54 11.6 9.6 14.4
68 1.9 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 62.510 ng
RT: 9.110 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion: 82 Resp: 197356
Ion Ratio Lower Upper
82 100
128 25.2 26.3 39.5#
54 69.1 44.3 66.5#

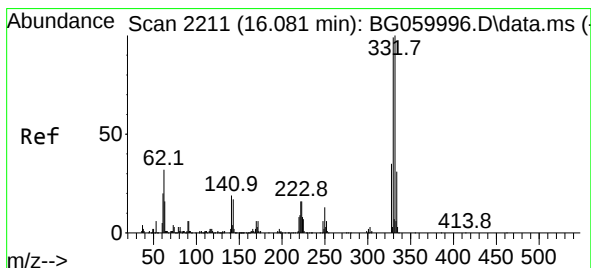
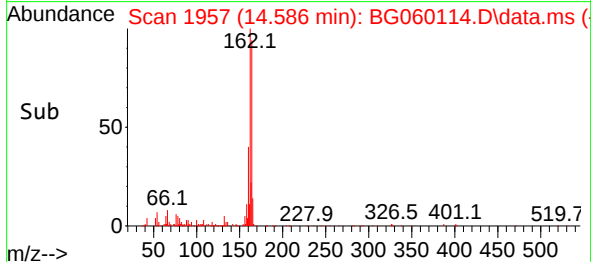
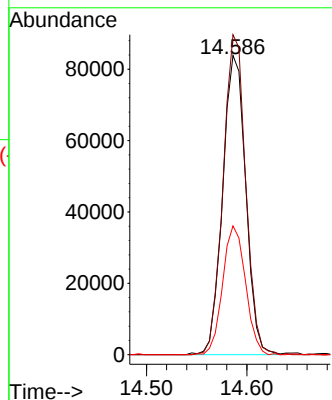
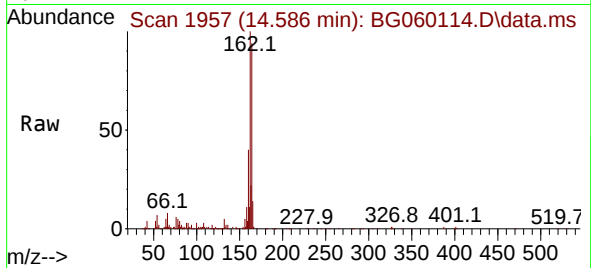




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

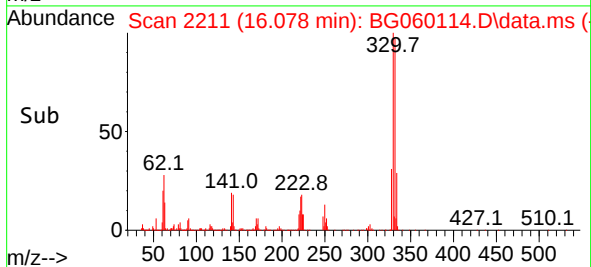
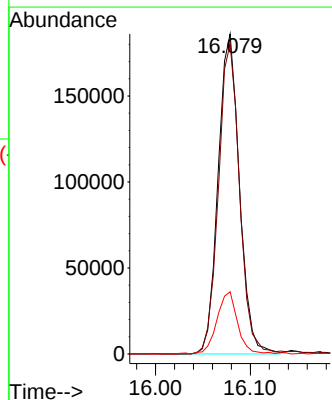
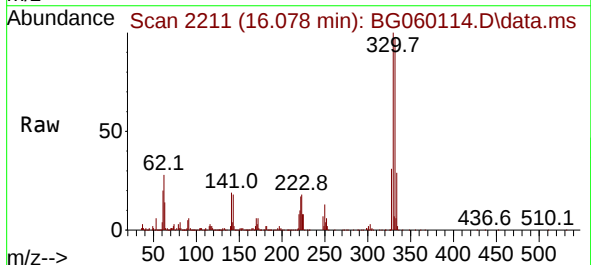
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

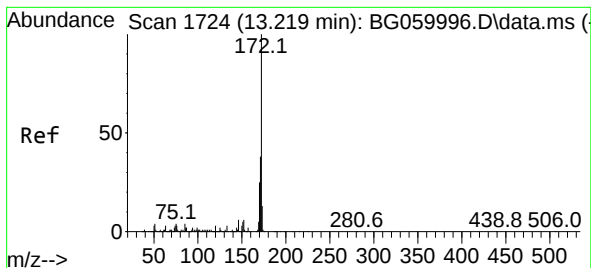
Tgt Ion:164 Resp: 133510
Ion Ratio Lower Upper
164 100
162 106.9 88.1 132.1
160 43.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 93.275 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:330 Resp: 290216
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 19.2 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 56.316 ng

RT: 13.211 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMPRE

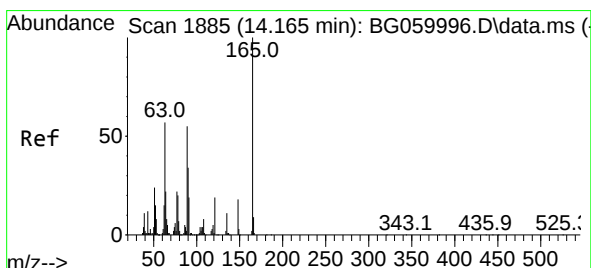
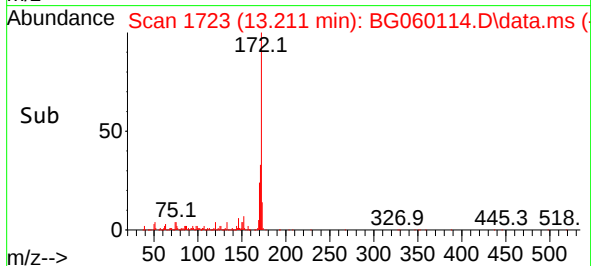
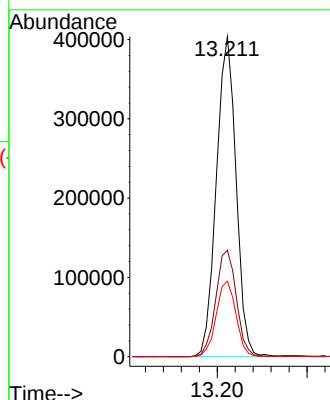
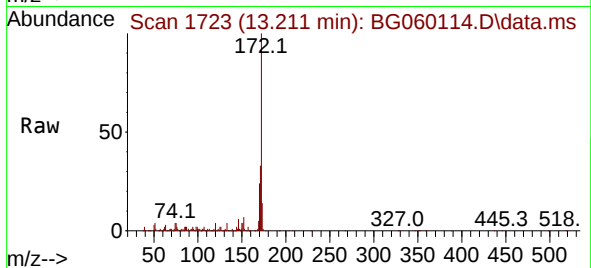
Tgt Ion:172 Resp: 614330

Ion Ratio Lower Upper

172 100

171 33.3 30.1 45.1

170 23.6 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 8.955 ng

RT: 14.586 min Scan# 1957

Delta R.T. 0.417 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

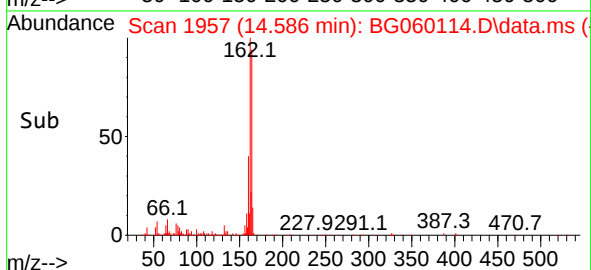
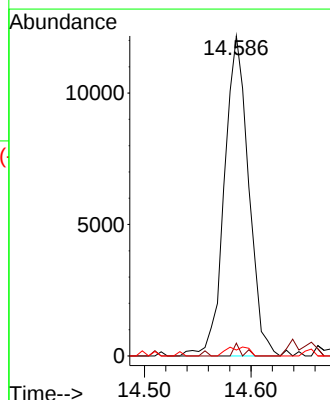
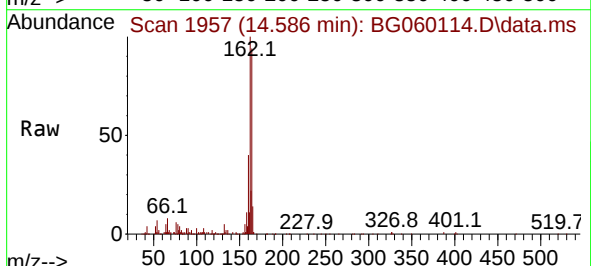
Tgt Ion:165 Resp: 19225

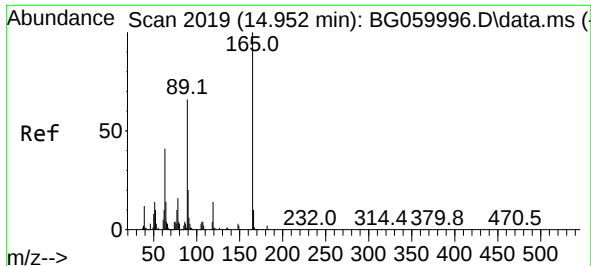
Ion Ratio Lower Upper

165 100

63 4.0 48.2 72.2#

89 1.8 44.4 66.6#

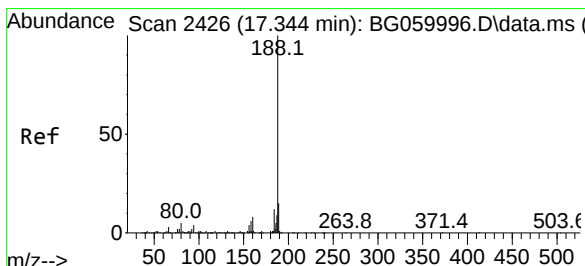
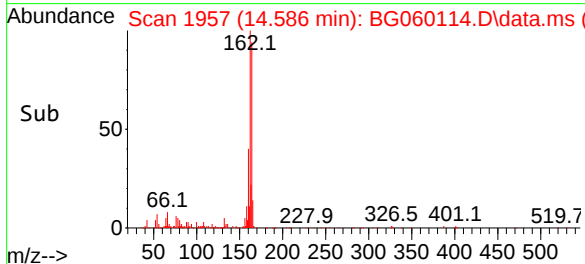
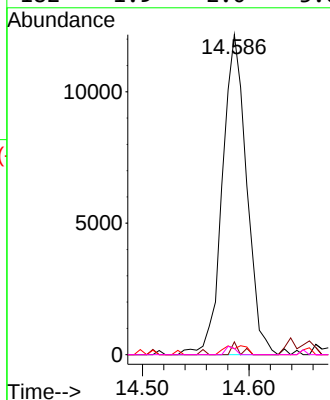
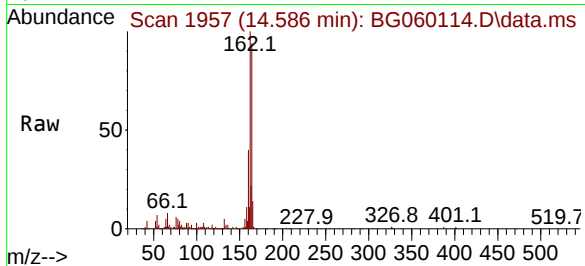




#57
2,4-Dinitrotoluene
Concen: 6.371 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.364 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

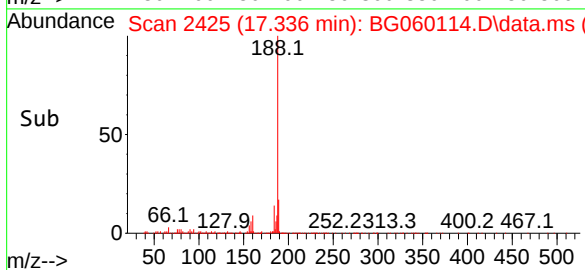
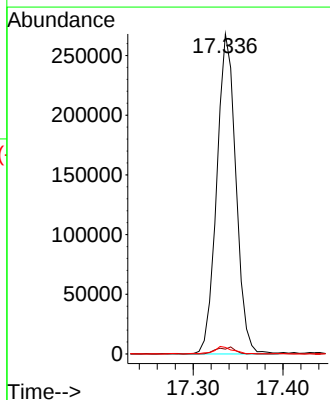
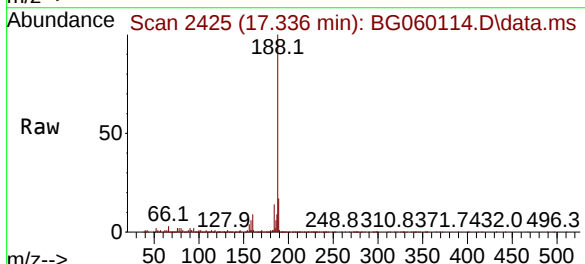
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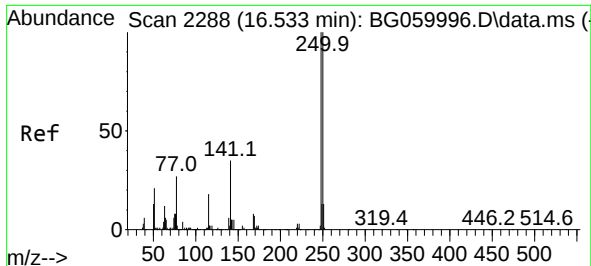
Tgt Ion:165 Resp: 19225
Ion Ratio Lower Upper
165 100
63 4.0 32.8 49.2#
89 1.8 53.0 79.6#
182 1.9 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:188 Resp: 396765
Ion Ratio Lower Upper
188 100
94 1.5 3.0 4.6#
80 2.0 4.0 6.0#

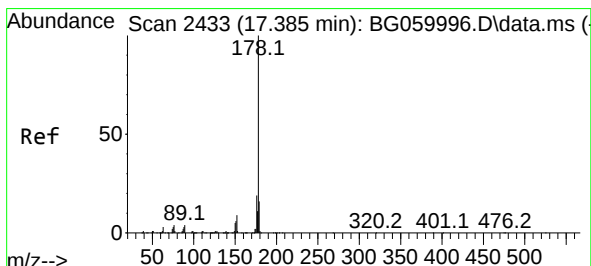
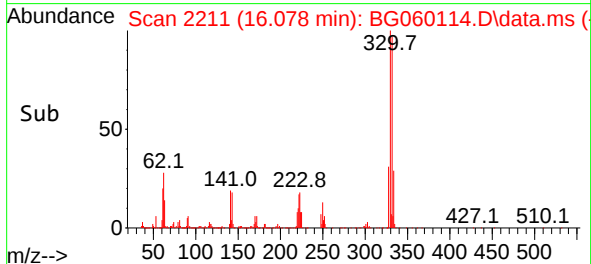
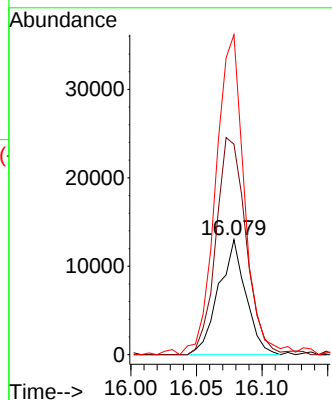
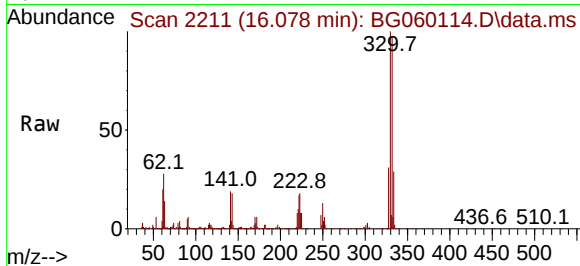




#67
4-Bromophenyl-phenylether
Concen: 3.356 ng
RT: 16.078 min Scan# 21
Delta R.T. -0.458 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

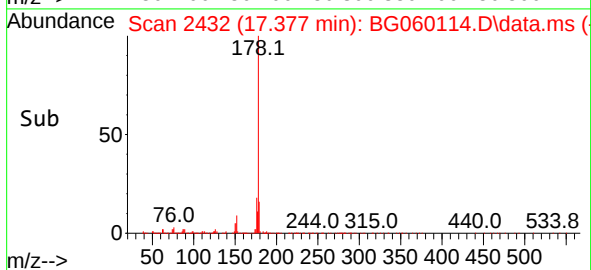
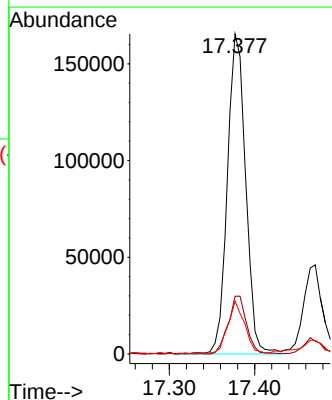
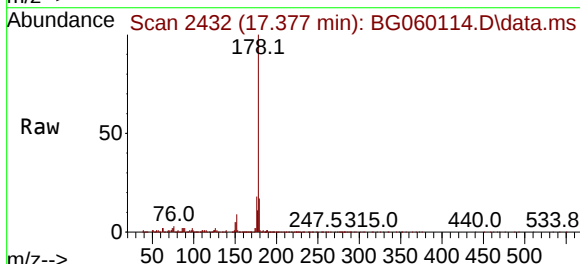
Instrument :
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SP-E3-COMP

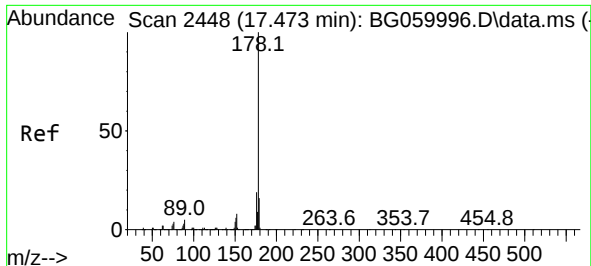
Tgt Ion:248 Resp: 18787
Ion Ratio Lower Upper
248 100
250 182.8 79.9 119.9#
141 278.1 28.3 42.5#



#71
Phenanthrene
Concen: 12.843 ng
RT: 17.377 min Scan# 2432
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:178 Resp: 246825
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 16.5 12.6 19.0

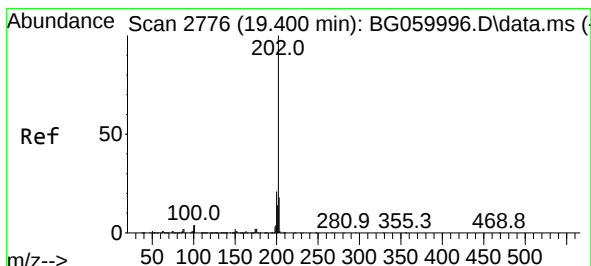
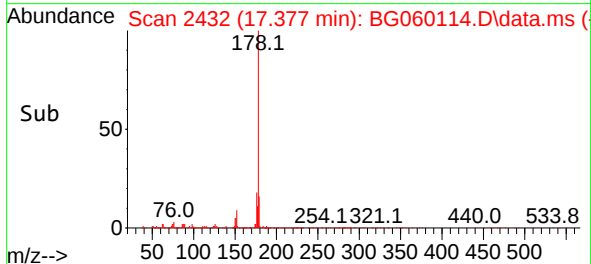
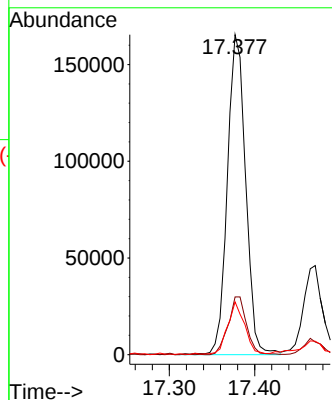
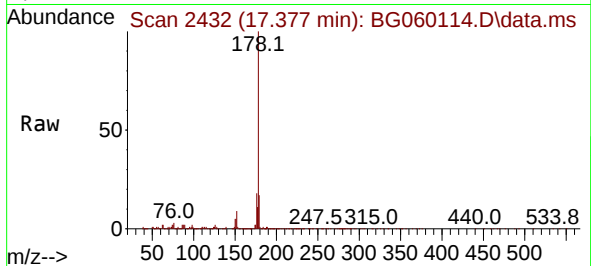




#72
 Anthracene
 Concen: 12.774 ng
 RT: 17.377 min Scan# 2448
 Delta R.T. -0.100 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

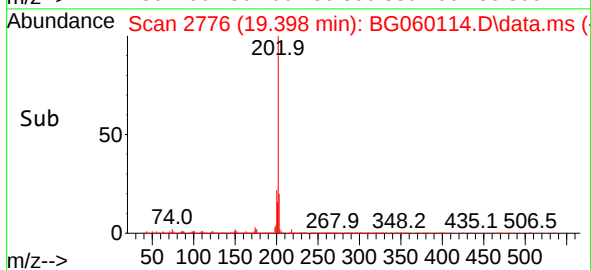
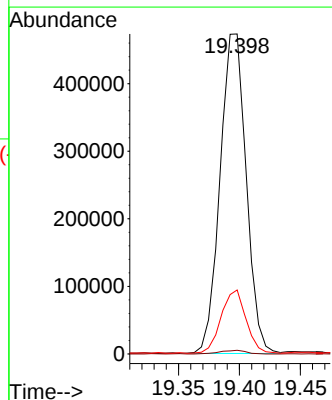
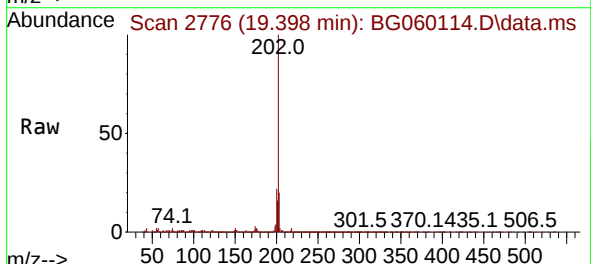
Instrument :
 BNA_G
 ClientSampleId :
 SP-E3-COMP

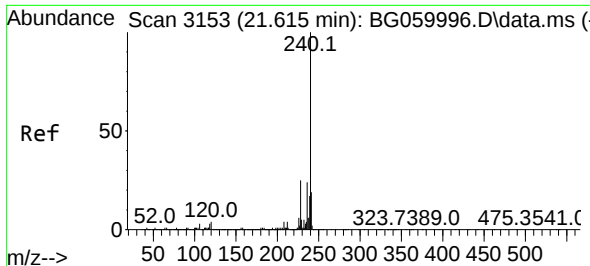
Tgt Ion:178 Resp: 246825
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.6
 179 16.5 12.6 19.0



#75
 Fluoranthene
 Concen: 25.209 ng
 RT: 19.398 min Scan# 2776
 Delta R.T. -0.006 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

Tgt Ion:202 Resp: 706977
 Ion Ratio Lower Upper
 202 100
 101 1.2 0.0 24.2
 203 20.0 0.0 37.6

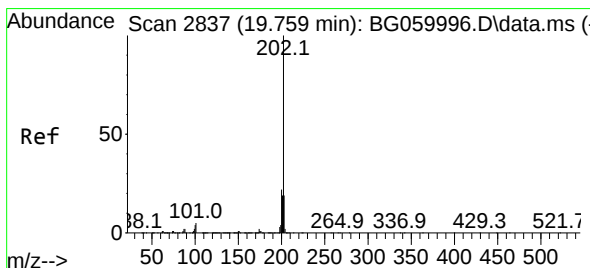
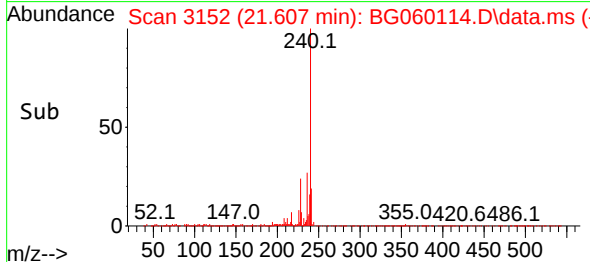
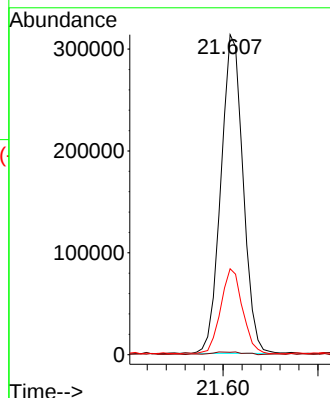
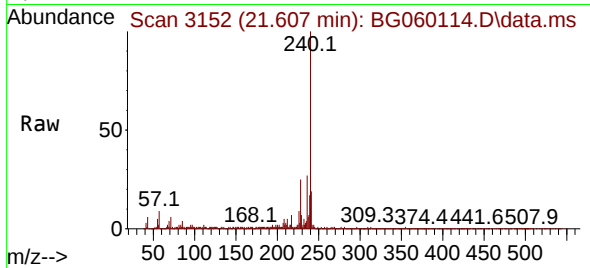




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.607 min Scan# 3153
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

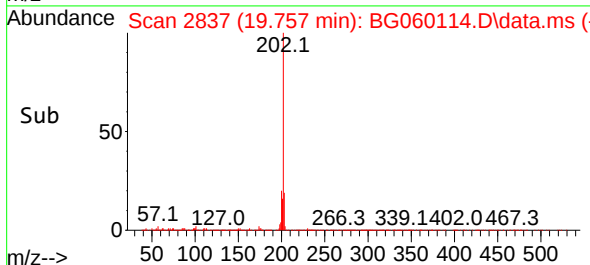
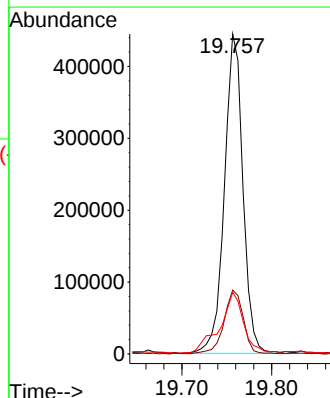
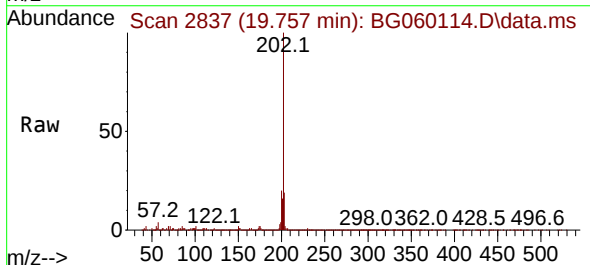
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

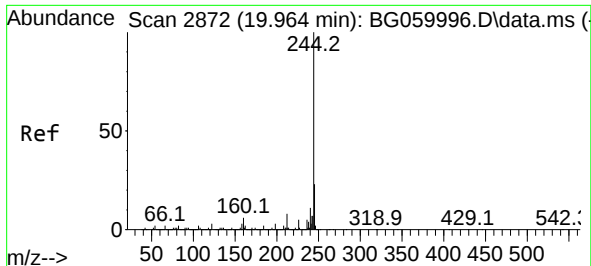
Tgt Ion:240 Resp: 507680
Ion Ratio Lower Upper
240 100
120 0.7 2.9 4.3#
236 26.9 19.4 29.2



#78
Pyrene
Concen: 20.637 ng
RT: 19.757 min Scan# 2837
Delta R.T. -0.006 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:202 Resp: 635098
Ion Ratio Lower Upper
202 100
200 20.0 17.6 26.4
203 19.3 14.9 22.3

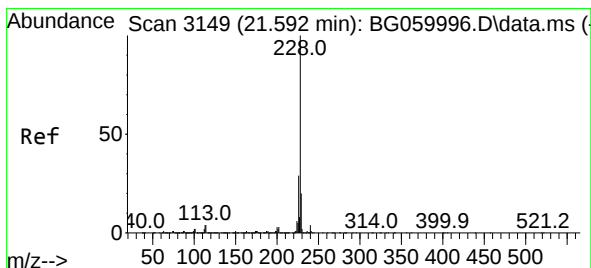
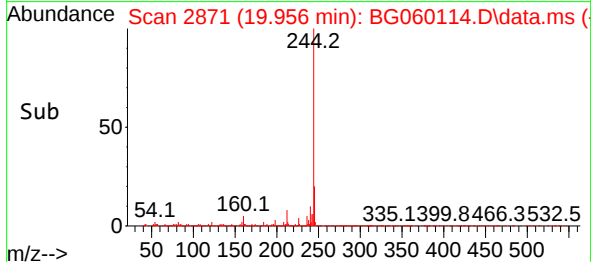
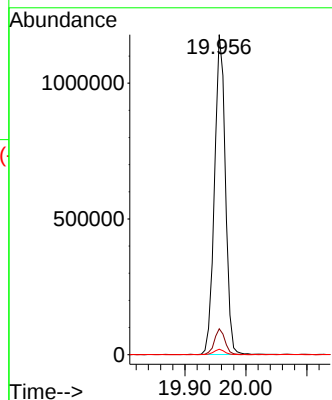
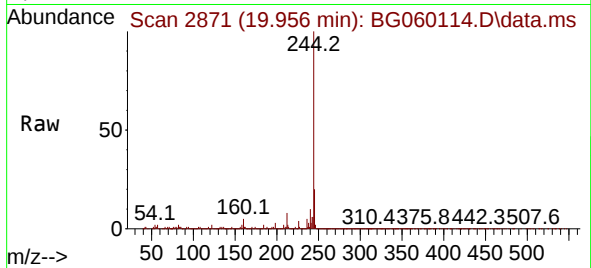




#79
 Terphenyl-d14
 Concen: 52.624 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

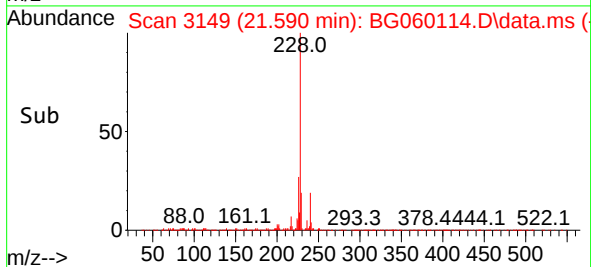
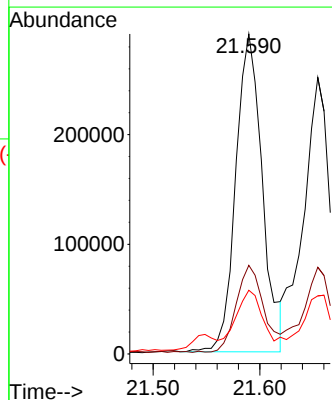
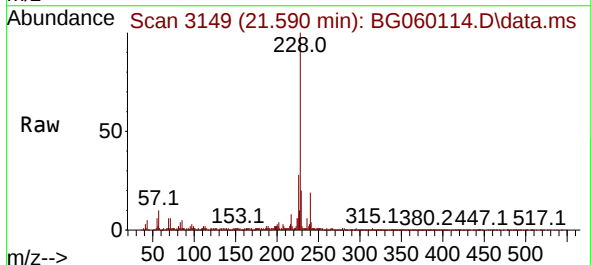
Instrument :
 BNA_G
 ClientSampleId :
 SP-E3-COMP

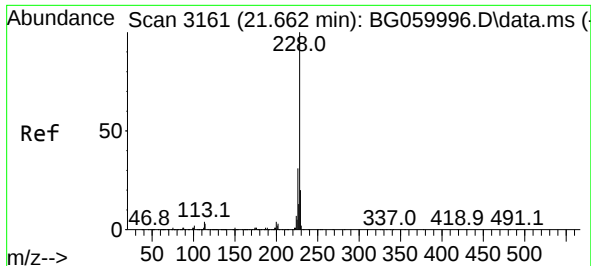
Tgt Ion:244 Resp: 1463324
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.8 10.2
 122 1.7 2.6 3.8#



#81
 Benzo(a)anthracene
 Concen: 14.744 ng
 RT: 21.590 min Scan# 3149
 Delta R.T. -0.012 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

Tgt Ion:228 Resp: 502793
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.9 34.3
 229 19.9 16.2 24.2

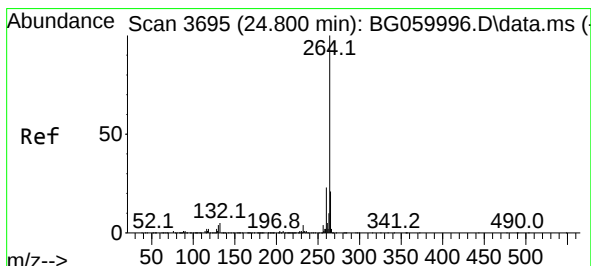
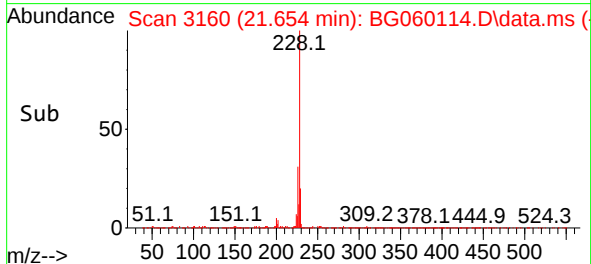
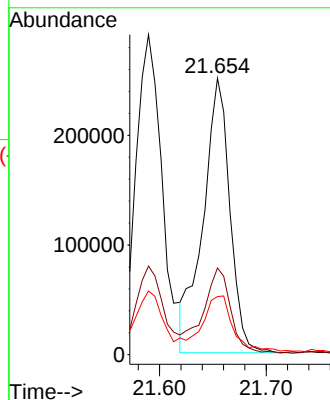
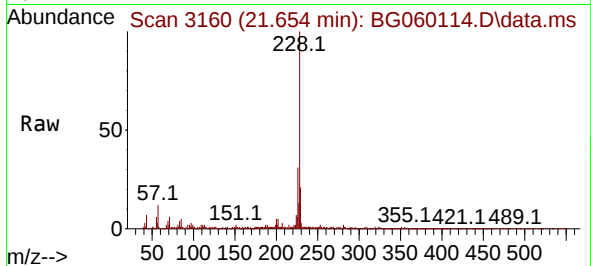




#83
Chrysene
Concen: 13.582 ng
RT: 21.654 min Scan# 3160
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

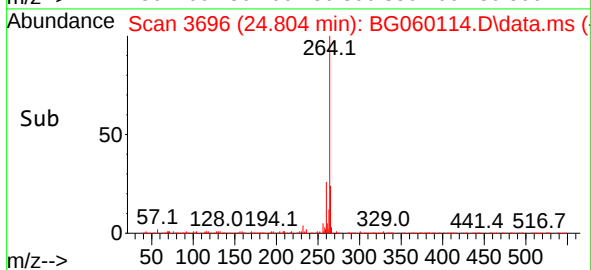
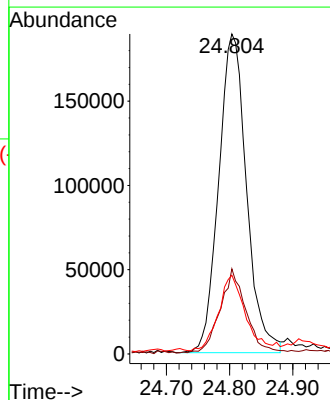
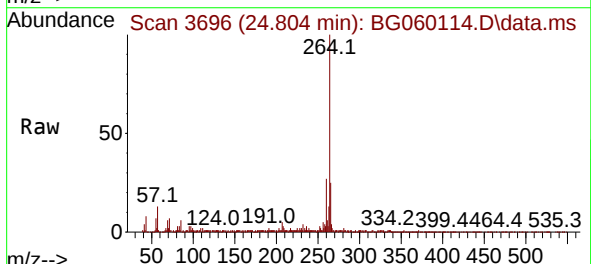
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

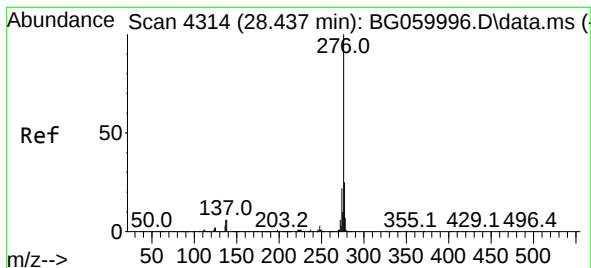
Tgt Ion:228 Resp: 438830
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 21.0 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3696
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:264 Resp: 578330
Ion Ratio Lower Upper
264 100
260 26.6 18.5 27.7
265 24.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.938 ng

RT: 28.446 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMP

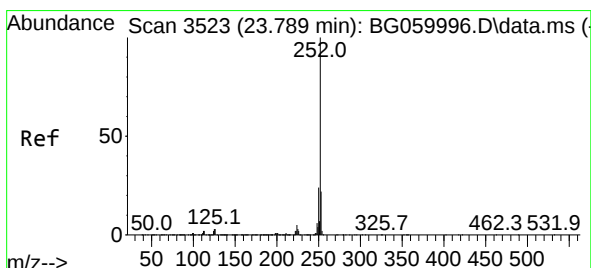
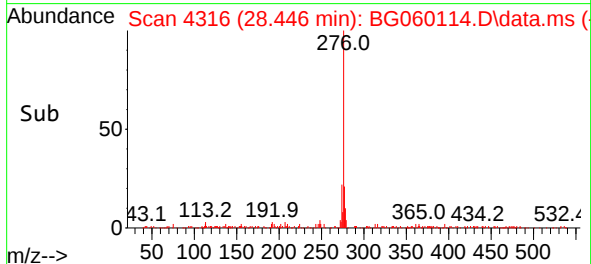
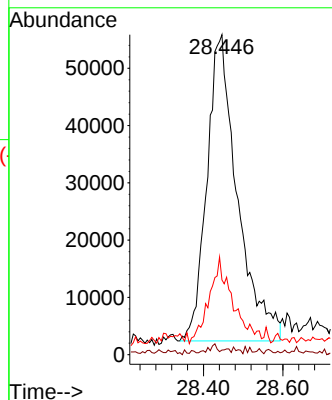
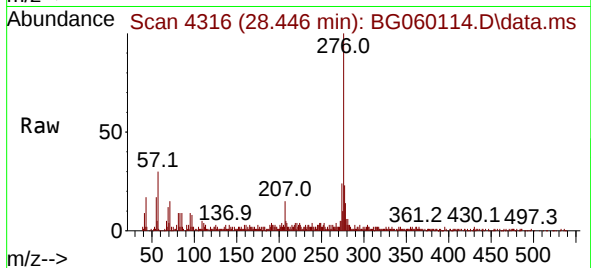
Tgt Ion:276 Resp: 286376

Ion Ratio Lower Upper

276 100

138 0.8 4.7 7.1#

277 20.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 19.160 ng

RT: 23.787 min Scan# 3523

Delta R.T. -0.012 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

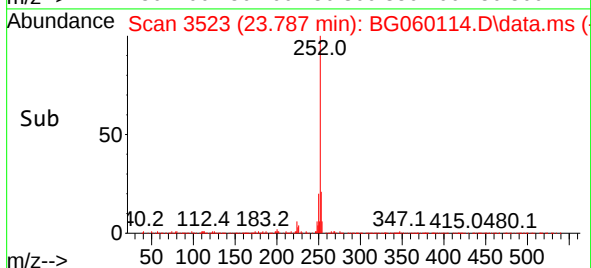
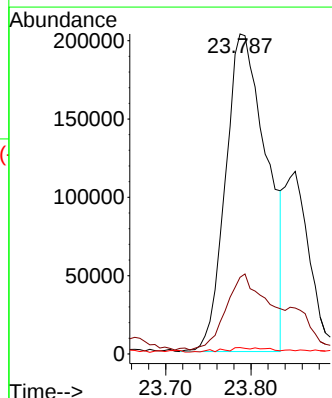
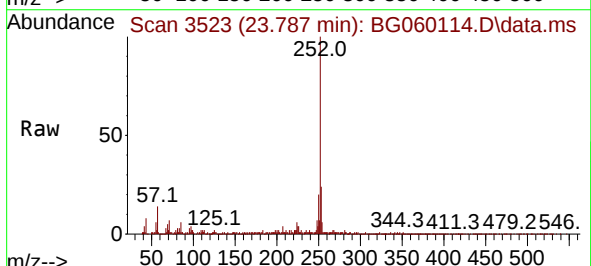
Tgt Ion:252 Resp: 684349

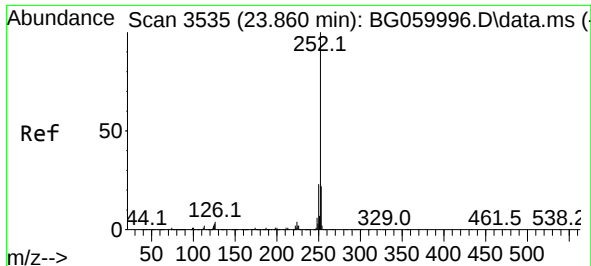
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 2.0 2.6 4.0#

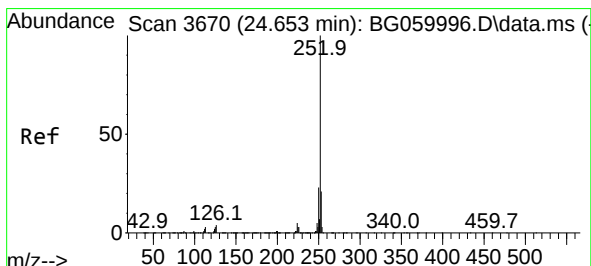
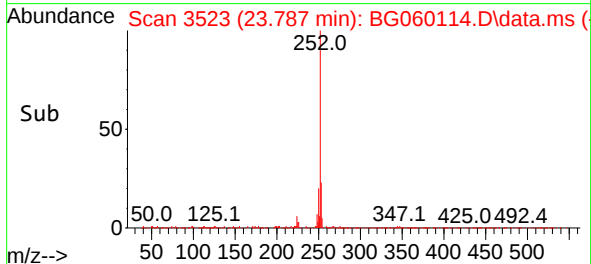
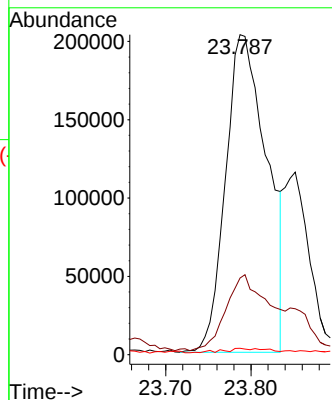
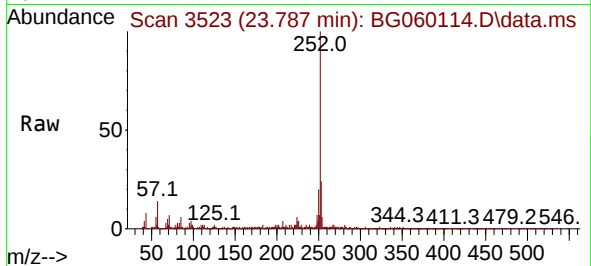




#89
Benzo(k)fluoranthene
Concen: 19.753 ng
RT: 23.787 min Scan# 3523
Delta R.T. -0.082 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

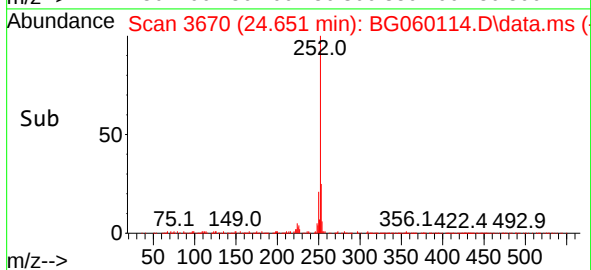
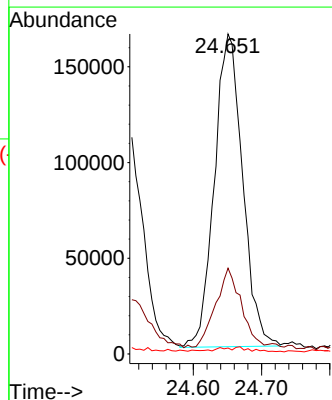
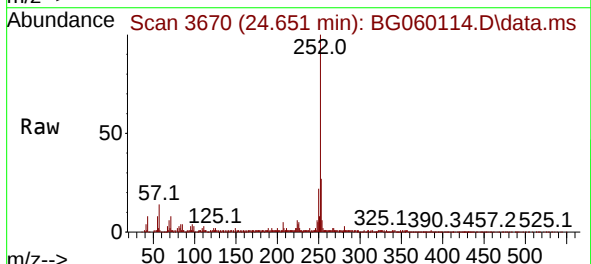
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

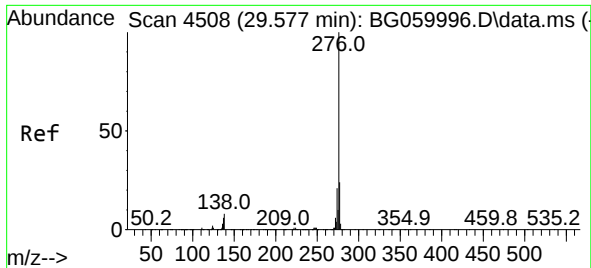
Tgt Ion:252 Resp: 684349
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 2.0 2.5 3.7#



#90
Benzo(a)pyrene
Concen: 14.849 ng
RT: 24.651 min Scan# 3670
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:252 Resp: 469887
Ion Ratio Lower Upper
252 100
253 26.8 17.1 25.7#
125 1.9 2.6 4.0#





#92
 Benzo(g,h,i)perylene
 Concen: 6.607 ng
 RT: 29.580 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

Instrument :
 BNA_G
 ClientSampleId :
 SP-E3-COMP

Tgt Ion:276 Resp: 226830
 Ion Ratio Lower Upper
 276 100
 277 23.0 19.4 29.2
 138 3.4 6.0 9.0#

