

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
 Data File : BG050528.D
 Acq On : 9 Oct 2021 3:56
 Operator : CG/JU
 Sample : M4113-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Oct 09 04:52:41 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

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

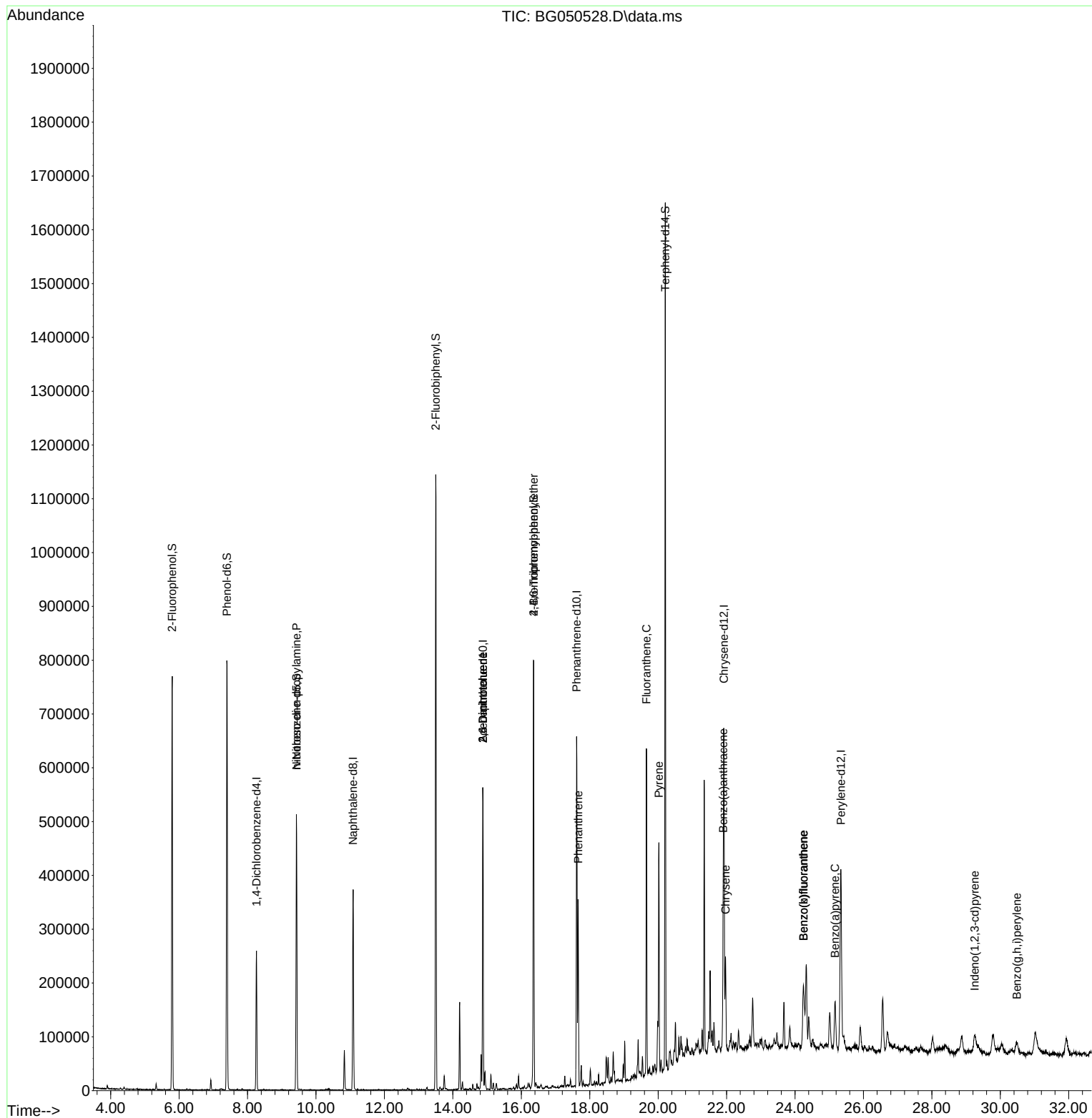
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	68858	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	305782	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	192202	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	394022	20.000	ng	# 0.00
76) Chrysene-d12	21.920	240	333096	20.000	ng	# 0.00
86) Perylene-d12	25.339	264	332663	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	319790	69.456	ng	0.00
7) Phenol-d6	7.396	99	448077	67.217	ng	0.00
23) Nitrobenzene-d5	9.429	82	323660	43.816	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	116533	63.566	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	568323	44.502	ng	0.00
79) Terphenyl-d14	20.210	244	719880	42.118	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.402	77	1182	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.429	70	45682	9.402 ng	#	71
51) 2,6-Dinitrotoluene	14.875	165	25704	8.833 ng	#	11
57) 2,4-Dinitrotoluene	14.875	165	25704	6.267 ng	#	17
67) 4-Bromophenyl-phenylether	16.362	248	9775	2.462 ng	#	1
71) Phenanthrene	17.666	178	211313	10.177 ng		96
75) Fluoranthene	19.658	202	358913	14.062 ng		96
78) Pyrene	20.022	202	276082	11.682 ng		99
81) Benzo(a)anthracene	21.902	228	124104	5.631 ng		99
83) Chrysene	21.973	228	127067	6.129 ng		95
87) Indeno(1,2,3-cd)pyrene	29.252	276	61309	2.646 ng	#	79
88) Benzo(b)fluoranthene	24.247	252	150442	7.384 ng	#	91
89) Benzo(k)fluoranthene	24.247	252	150442	7.506 ng	#	96
90) Benzo(a)pyrene	25.169	252	98673	5.696 ng	#	93
92) Benzo(g,h,i)perylene	30.486	276	54409	2.899 ng	#	90

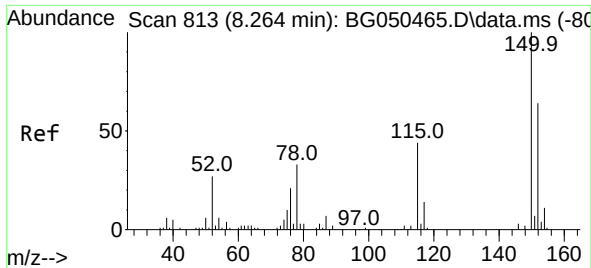
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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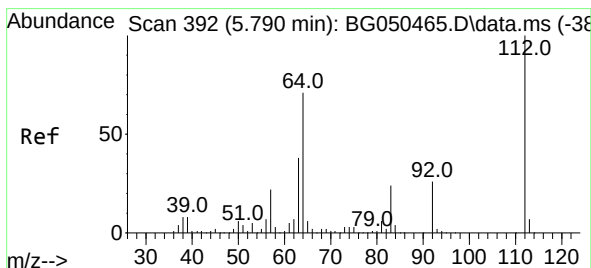
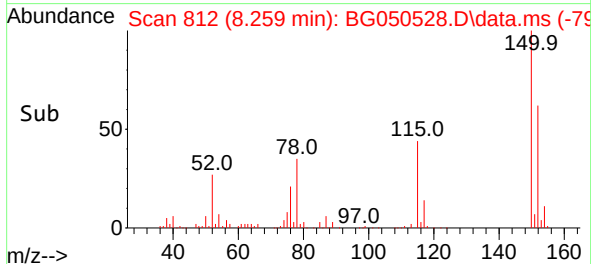
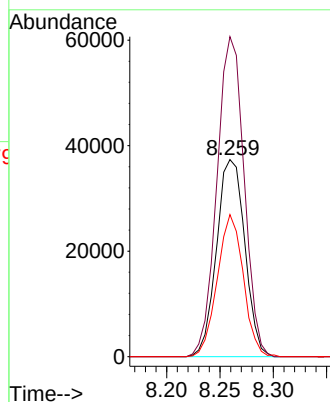
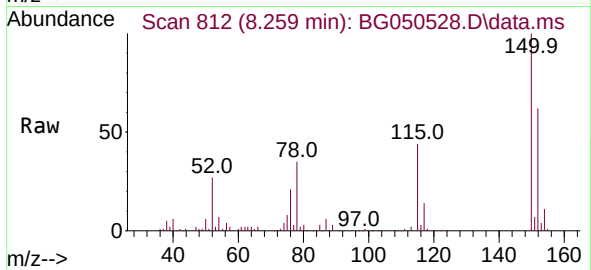




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

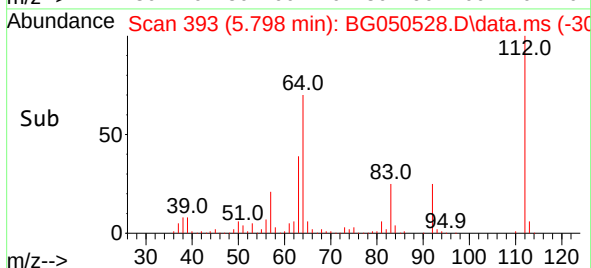
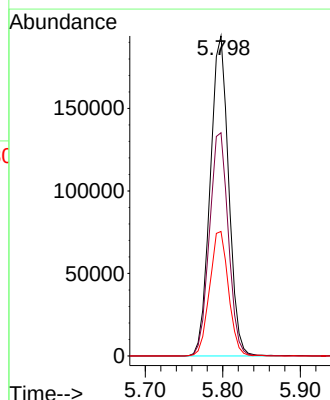
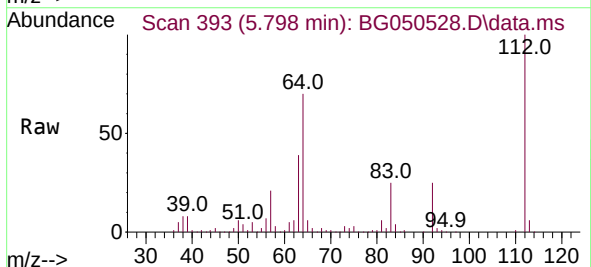
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BNA_G
ClientSampled :
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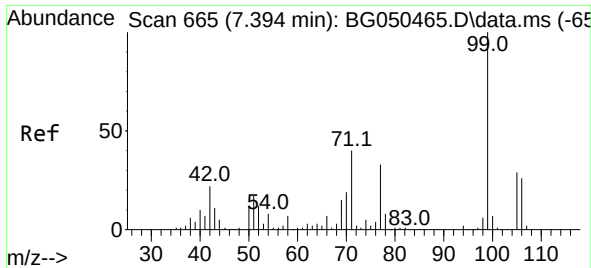
Tgt Ion:152 Resp: 68858
Ion Ratio Lower Upper
152 100
150 162.3 119.4 179.0
115 72.0 60.2 90.4



#5
2-Fluorophenol
Concen: 69.456 ng
RT: 5.798 min Scan# 393
Delta R.T. 0.008 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:112 Resp: 319790
Ion Ratio Lower Upper
112 100
64 69.7 46.7 70.1
63 38.9 35.3 52.9

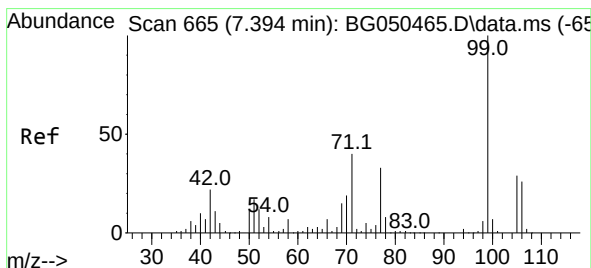
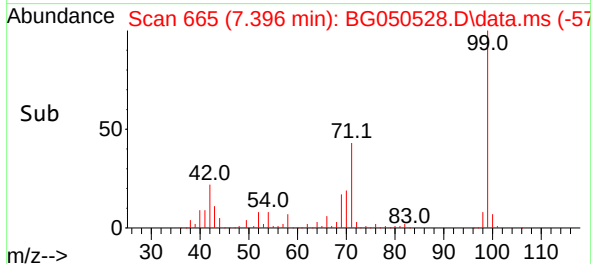
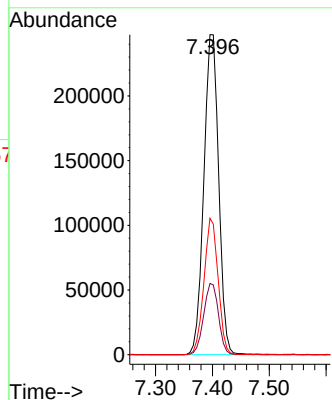
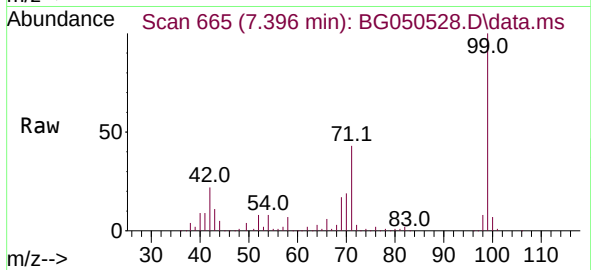




#7
Phenol-d6
Concen: 67.217 ng
RT: 7.396 min Scan# 665
Delta R.T. 0.002 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

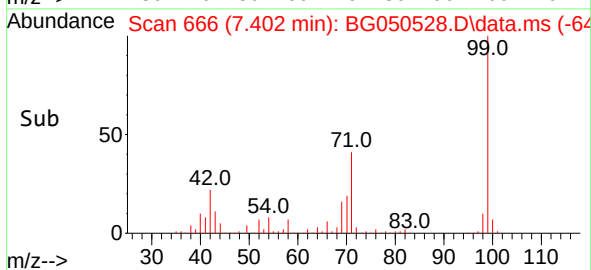
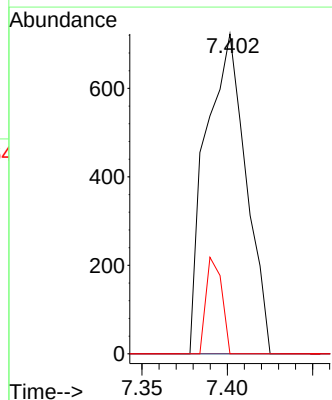
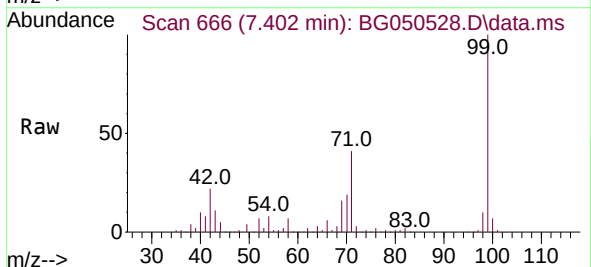
Instrument :
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ClientSampleId :
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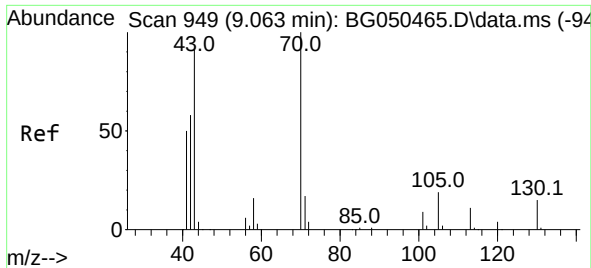
Tgt Ion: 99 Resp: 448077
Ion Ratio Lower Upper
99 100
42 22.2 20.5 30.7
71 42.6 41.5 62.3



#9
Benzaldehyde
Concen: Below Cal
RT: 7.402 min Scan# 666
Delta R.T. 0.008 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion: 77 Resp: 1182
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

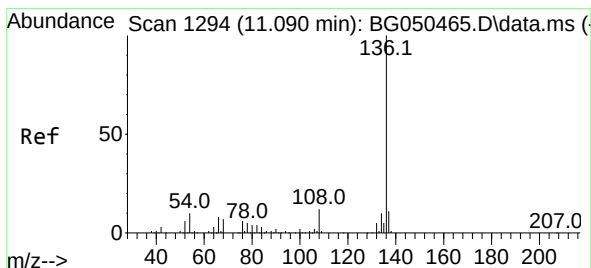
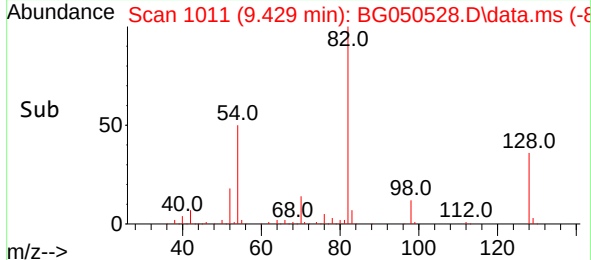
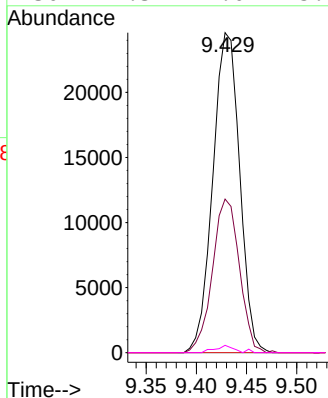
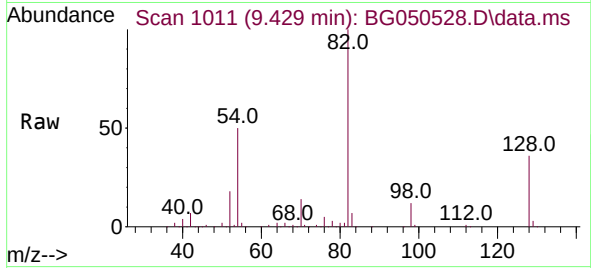




#19
n-Nitroso-di-n-propylamine
Concen: 9.402 ng
RT: 9.429 min Scan# 1011
Delta R.T. 0.366 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

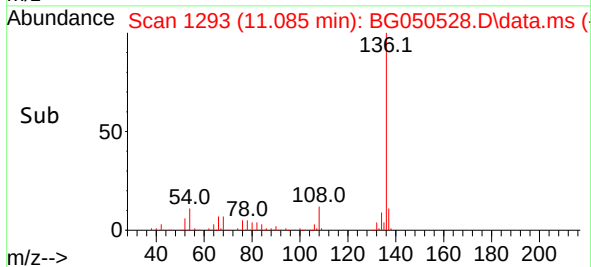
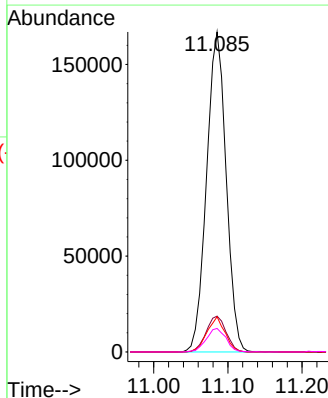
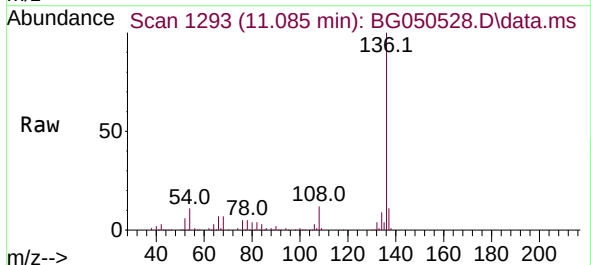
Instrument :
BNA_G
ClientSampled :
TP-3

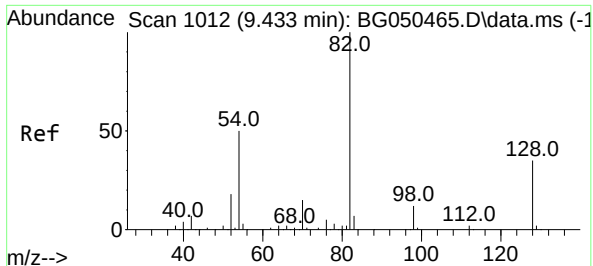
Tgt Ion: 70 Resp: 45682
Ion Ratio Lower Upper
70 100
42 48.0 54.5 81.7#
101 0.0 9.0 13.6#
130 2.3 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. -0.004 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:136 Resp: 305782
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 11.0 5.5 8.3#
68 7.3 2.3 3.5#

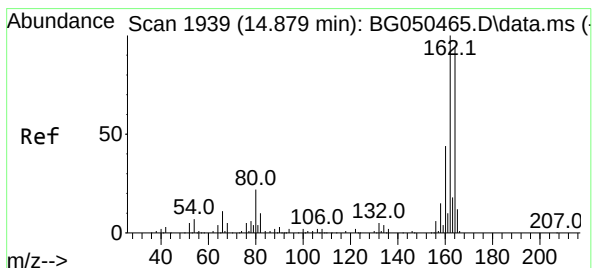
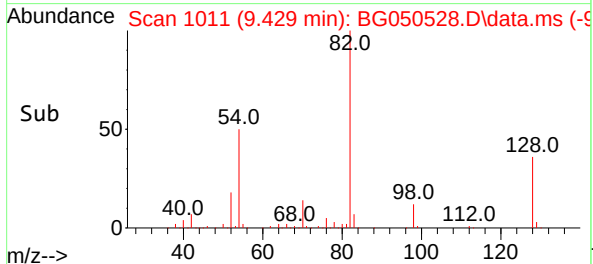
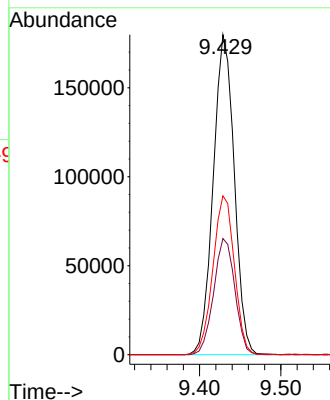
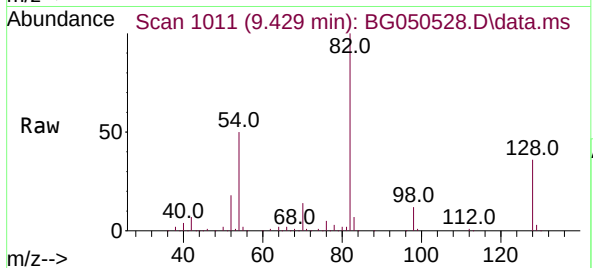




#23
Nitrobenzene-d5
Concen: 43.816 ng
RT: 9.429 min Scan# 1011
Delta R.T. -0.004 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

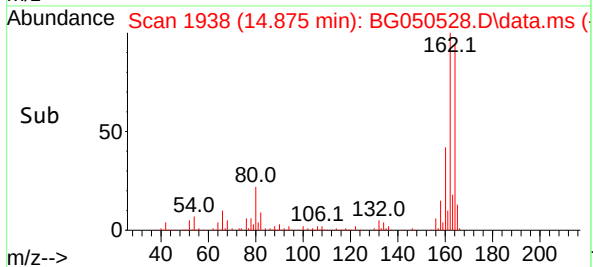
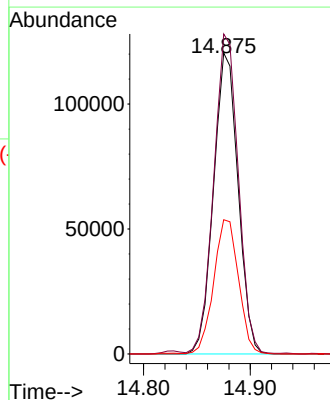
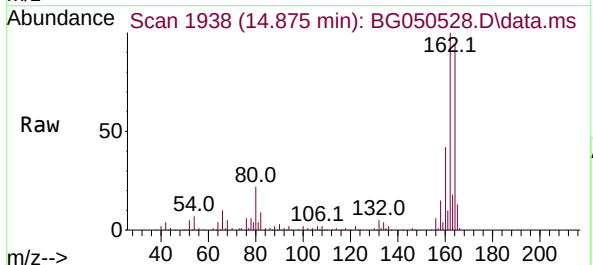
Instrument :
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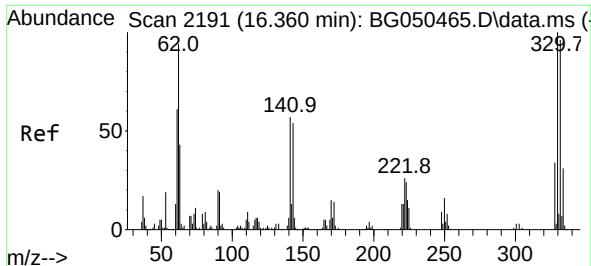
Tgt Ion: 82 Resp: 323660
Ion Ratio Lower Upper
82 100
128 36.3 29.8 44.6
54 49.7 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.004 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:164 Resp: 192202
Ion Ratio Lower Upper
164 100
162 106.3 81.4 122.0
160 44.6 34.9 52.3

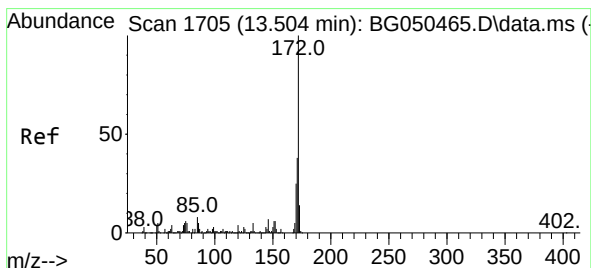
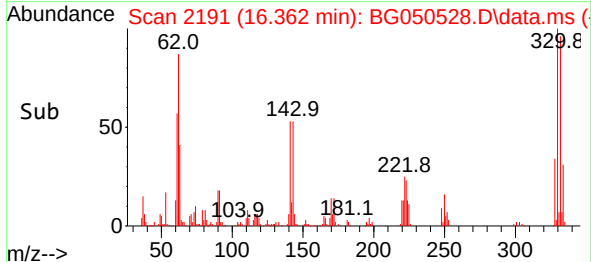
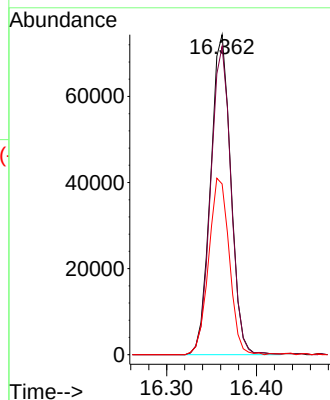
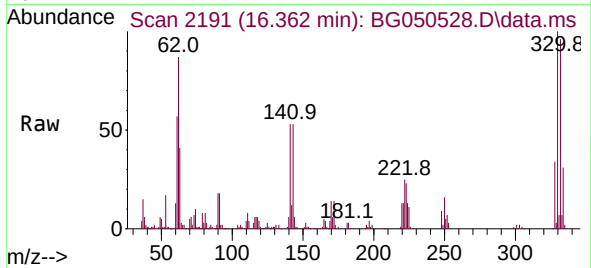




#42
2,4,6-Tribromophenol
Concen: 63.566 ng
RT: 16.362 min Scan# 2191
Delta R.T. 0.002 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

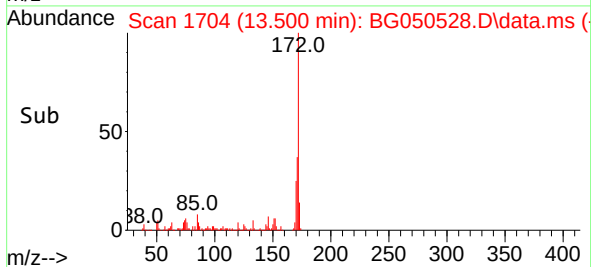
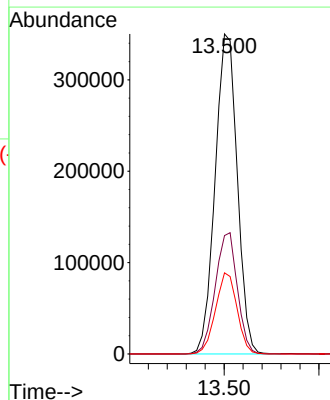
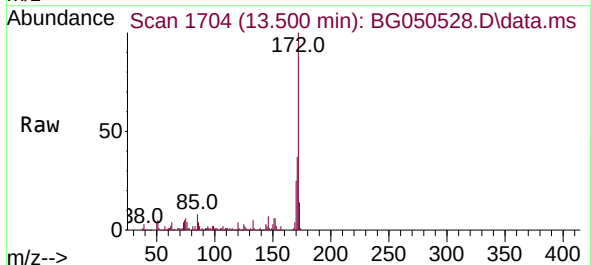
Instrument :
BNA_G
ClientSampleId :
TP-3

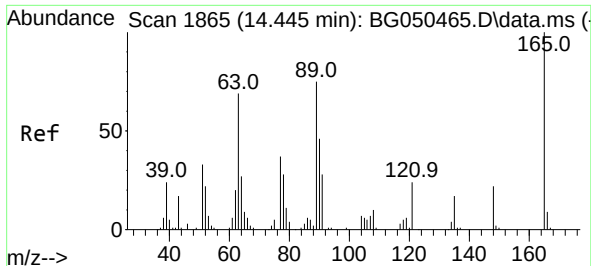
Tgt Ion:330 Resp: 116533
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 56.1 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 44.502 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.004 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:172 Resp: 568323
Ion Ratio Lower Upper
172 100
171 37.0 28.6 43.0
170 25.3 18.6 27.8

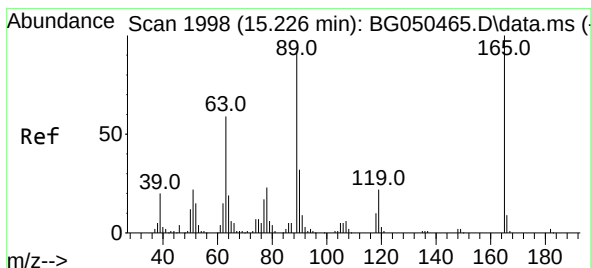
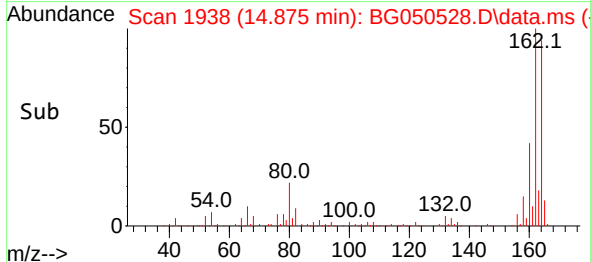
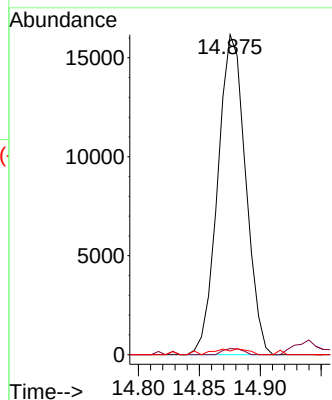
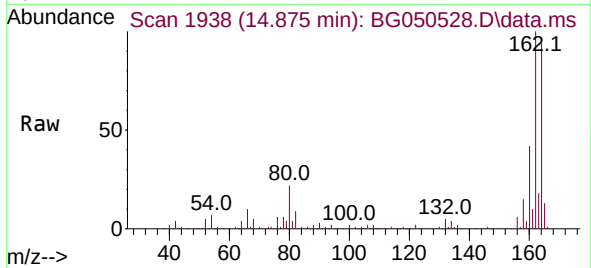




#51
2,6-Dinitrotoluene
Concen: 8.833 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.431 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

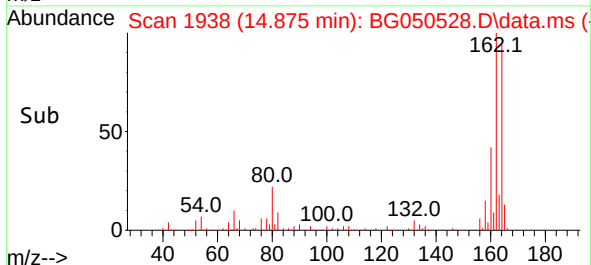
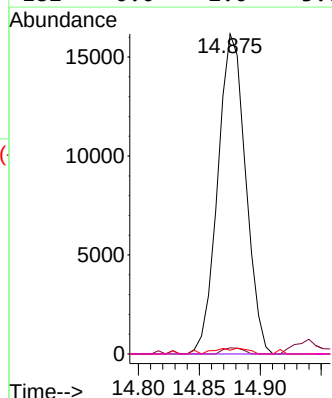
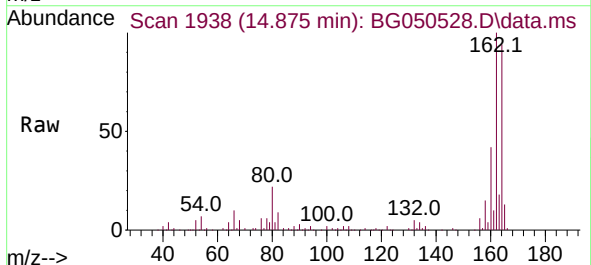
Instrument :
BNA_G
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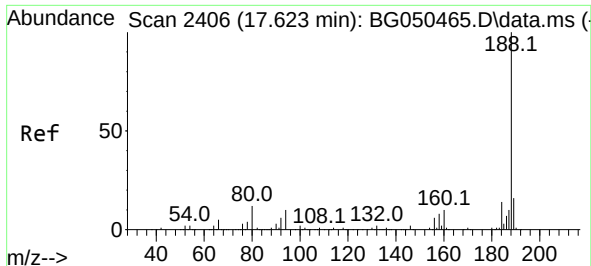
Tgt Ion:165 Resp: 25704
Ion Ratio Lower Upper
165 100
63 1.9 63.3 94.9#
89 1.1 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.267 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.351 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:165 Resp: 25704
Ion Ratio Lower Upper
165 100
63 1.9 48.0 72.0#
89 1.1 65.4 98.0#
182 0.0 2.0 3.0#

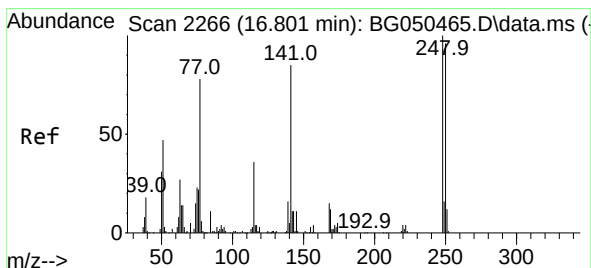
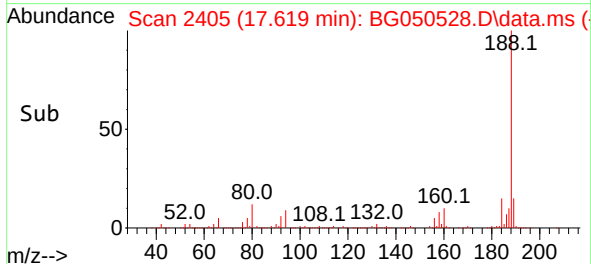
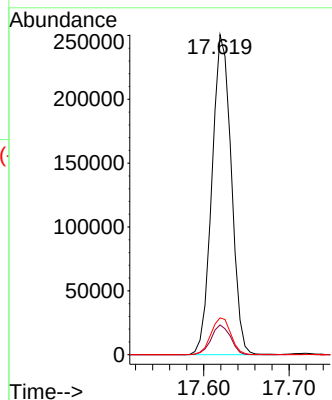
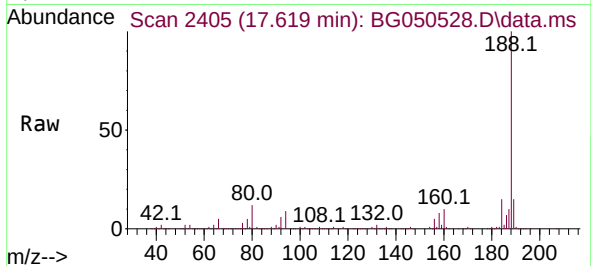




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

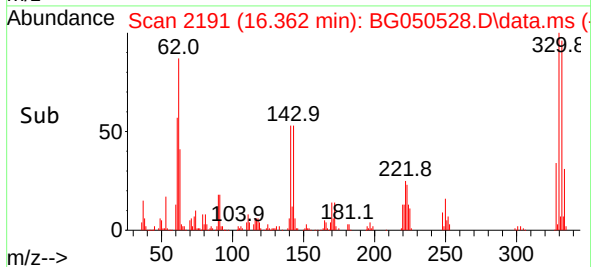
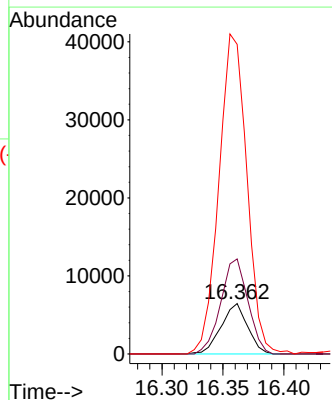
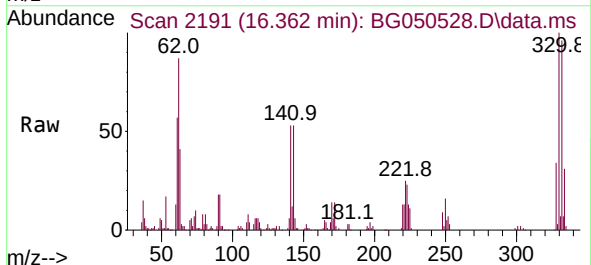
Instrument :
BNA_G
ClientSampled :
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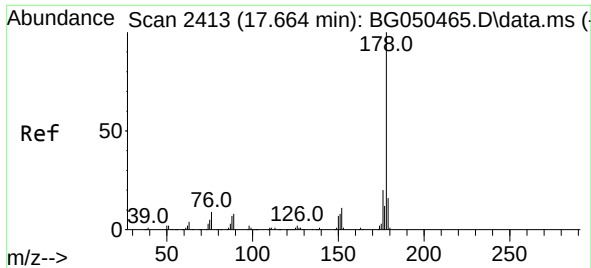
Tgt Ion:188 Resp: 394022
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0#
80 11.5 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 2.462 ng
RT: 16.362 min Scan# 2191
Delta R.T. -0.439 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:248 Resp: 9775
Ion Ratio Lower Upper
248 100
250 188.3 76.1 114.1#
141 613.7 65.4 98.2#

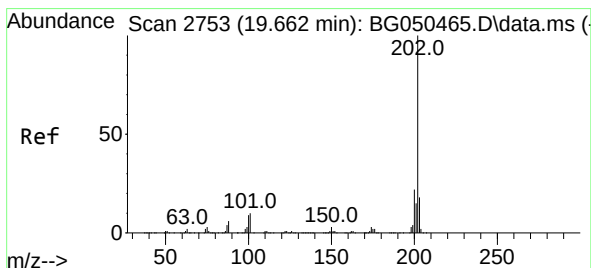
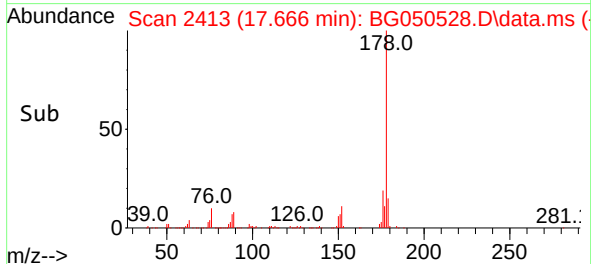
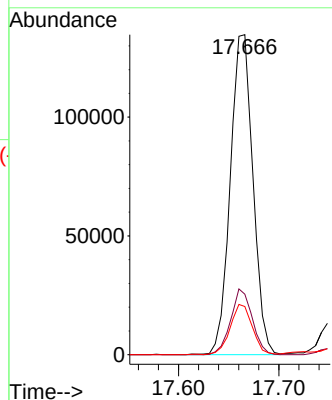
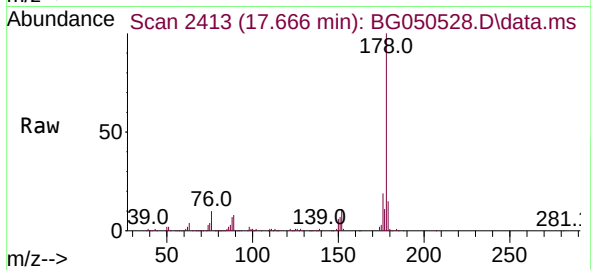




#71
Phenanthrene
Concen: 10.177 ng
RT: 17.666 min Scan# 2413
Delta R.T. 0.002 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

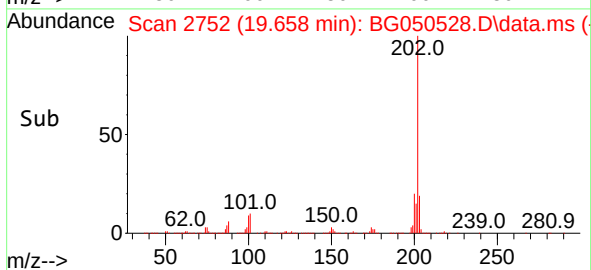
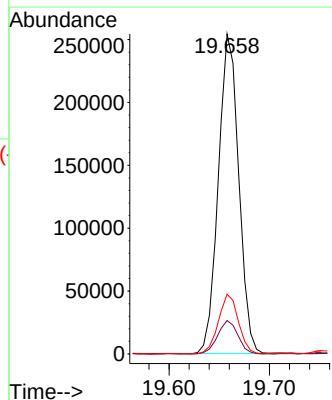
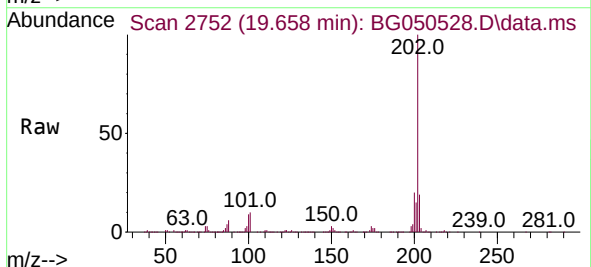
Instrument :
BNA_G
ClientSampled :
TP-3

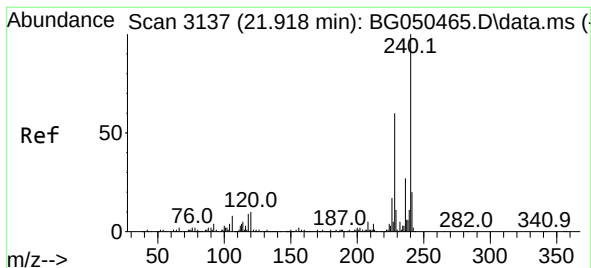
Tgt Ion:178 Resp: 211313
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.1 14.2 21.4



#75
Fluoranthene
Concen: 14.062 ng
RT: 19.658 min Scan# 2752
Delta R.T. -0.004 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:202 Resp: 358913
Ion Ratio Lower Upper
202 100
101 10.5 0.0 24.7
203 18.7 0.0 38.5

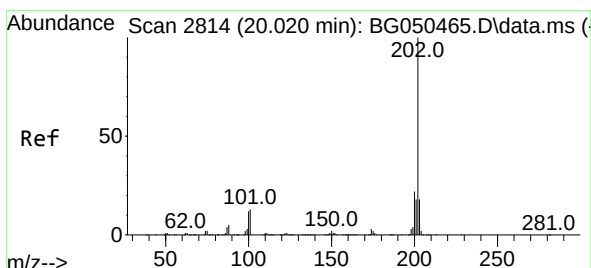
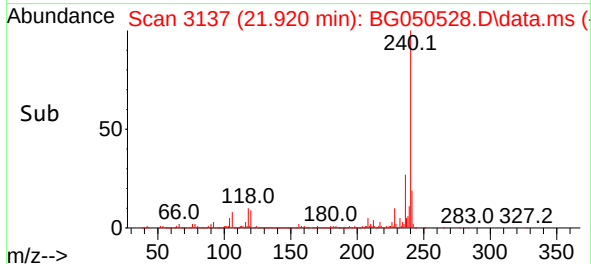
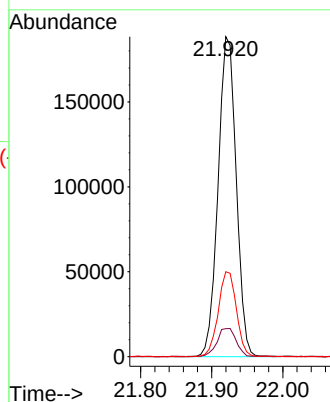
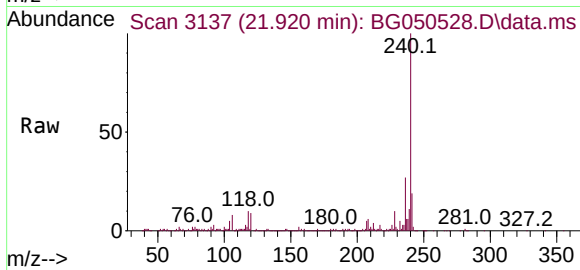




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3137
Delta R.T. 0.002 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

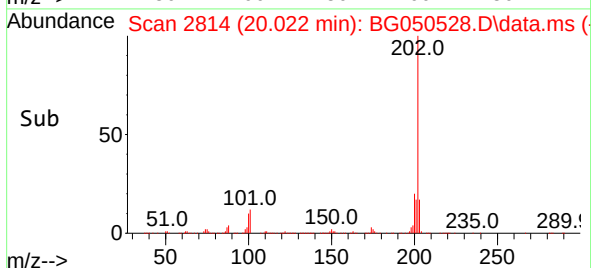
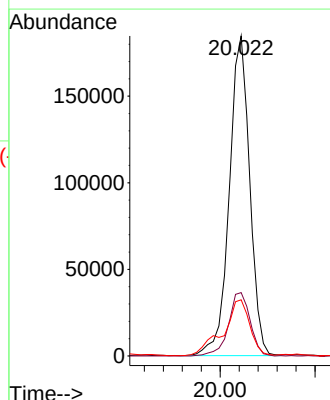
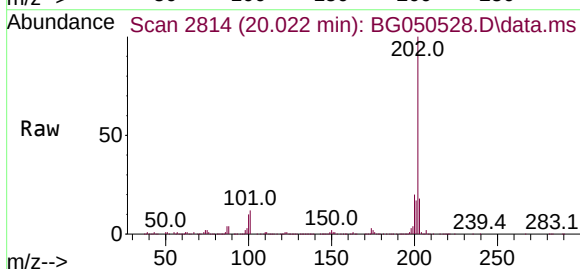
Instrument :
BNA_G
ClientSampled :
TP-3

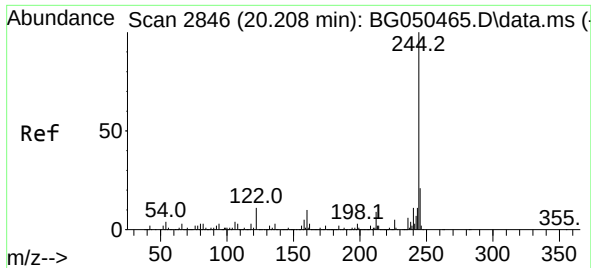
Tgt Ion:240 Resp: 333096
Ion Ratio Lower Upper
240 100
120 8.8 4.2 6.2#
236 26.5 21.8 32.6



#78
Pyrene
Concen: 11.682 ng
RT: 20.022 min Scan# 2814
Delta R.T. 0.002 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:202 Resp: 276082
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.8
203 17.5 14.6 21.8

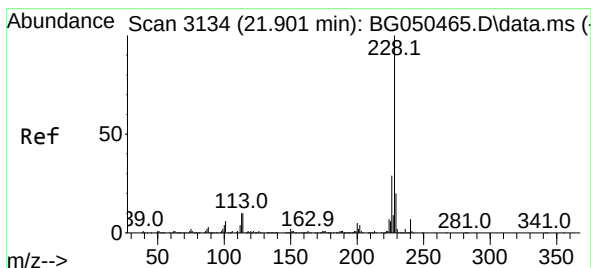
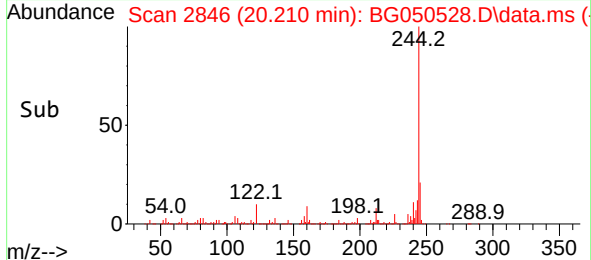
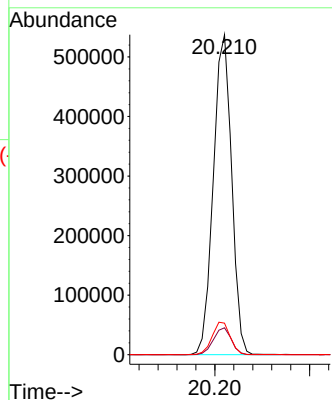
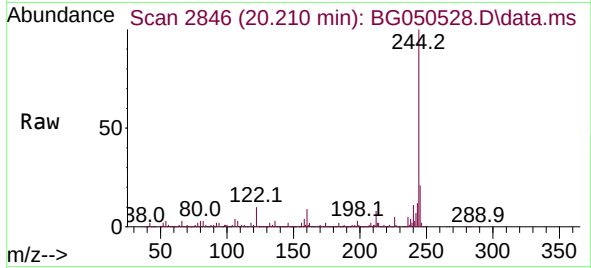




#79
 Terphenyl-d14
 Concen: 42.118 ng
 RT: 20.210 min Scan# 2846
 Delta R.T. 0.002 min
 Lab File: BG050528.D
 Acq: 9 Oct 2021 3:56

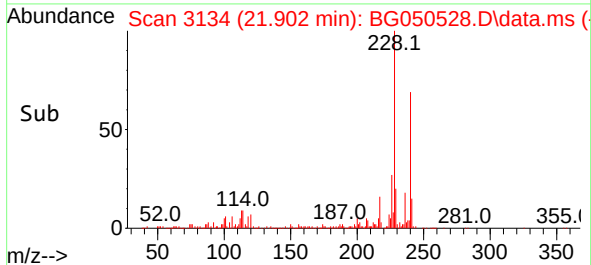
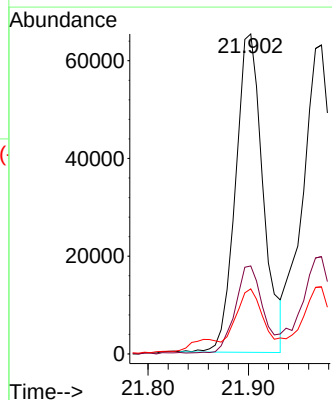
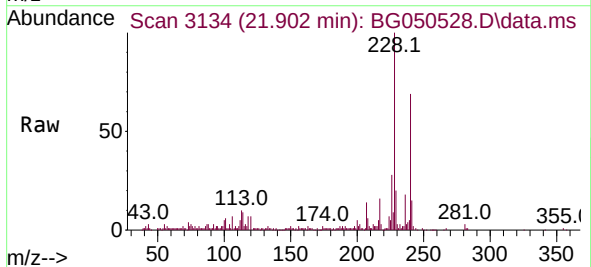
Instrument :
 BNA_G
 ClientSampled :
 TP-3

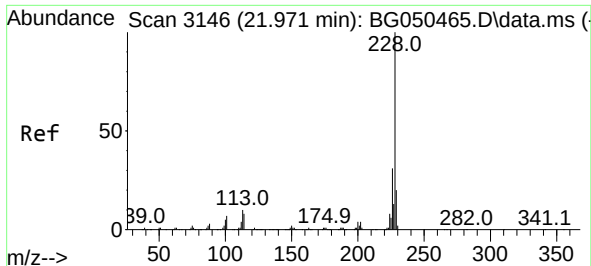
Tgt Ion:244 Resp: 719880
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 9.8 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 5.631 ng
 RT: 21.902 min Scan# 3134
 Delta R.T. 0.002 min
 Lab File: BG050528.D
 Acq: 9 Oct 2021 3:56

Tgt Ion:228 Resp: 124104
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.7 34.1
 229 20.4 16.0 24.0

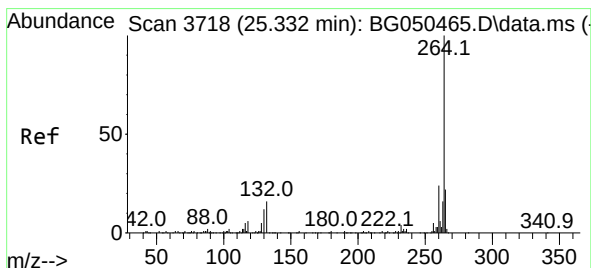
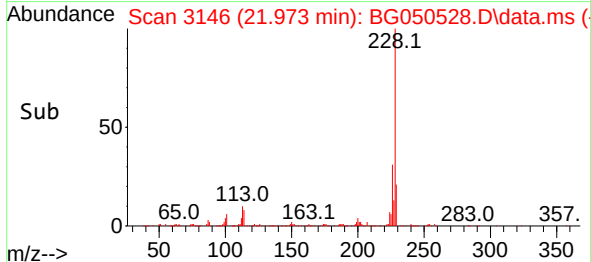
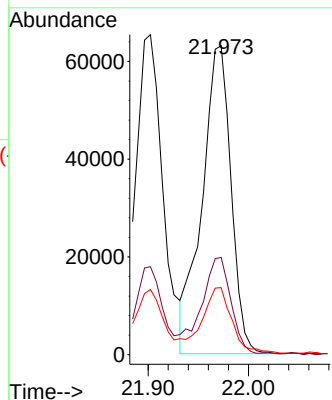
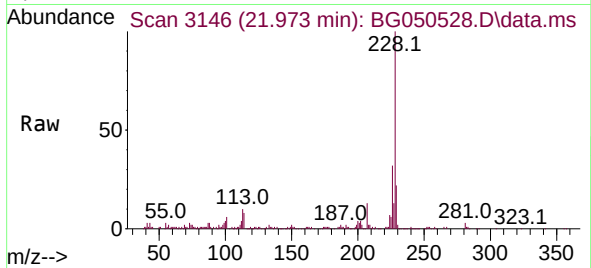




#83
Chrysene
Concen: 6.129 ng
RT: 21.973 min Scan# 3146
Delta R.T. 0.002 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

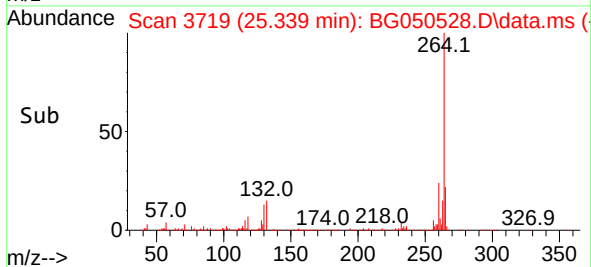
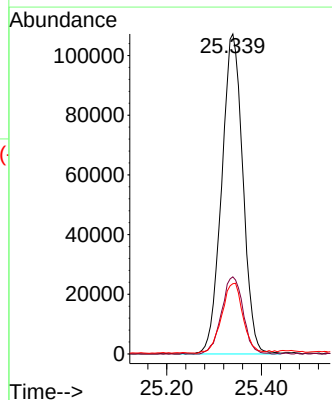
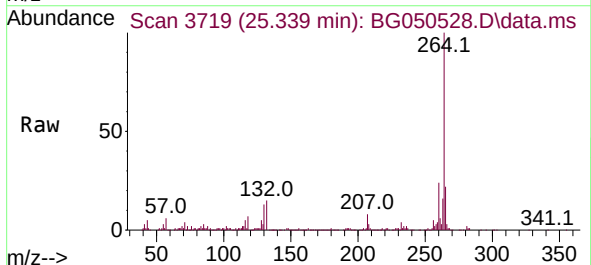
Instrument :
BNA_G
ClientSampled :
TP-3

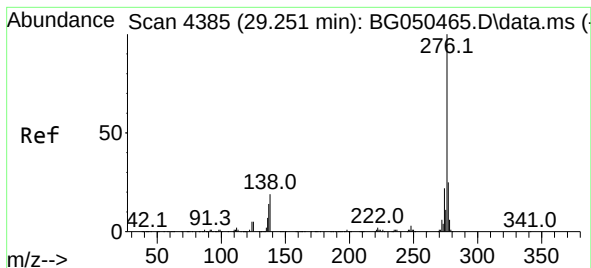
Tgt Ion:228 Resp: 127067
Ion Ratio Lower Upper
228 100
226 31.5 23.1 34.7
229 21.7 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.339 min Scan# 3719
Delta R.T. 0.008 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:264 Resp: 332663
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 22.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.646 ng

RT: 29.252 min Scan# 4385

Delta R.T. 0.002 min

Lab File: BG050528.D

Acq: 9 Oct 2021 3:56

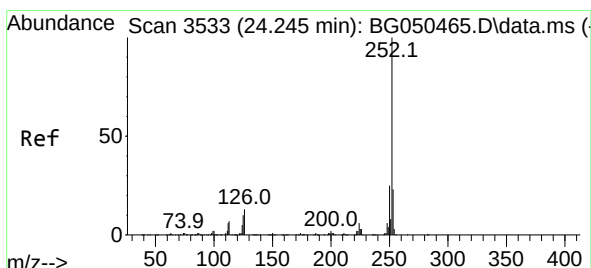
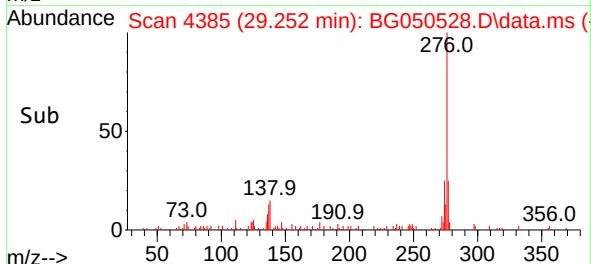
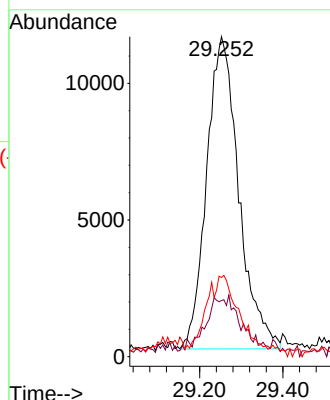
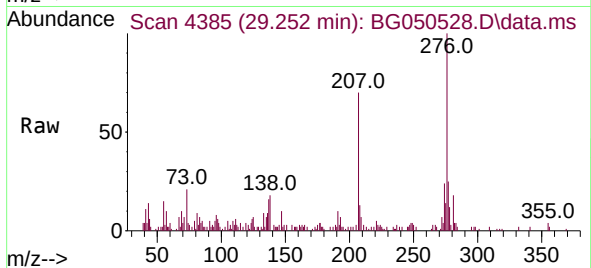
Instrument :

BNA_G

ClientSampled :

TP-3

Tgt Ion:	276	Resp:	61309
Ion Ratio	Lower	Upper	
276	100		
138	0.0	5.1	7.7#
277	14.2	19.8	29.6#



#88

Benzo(b)fluoranthene

Concen: 7.384 ng

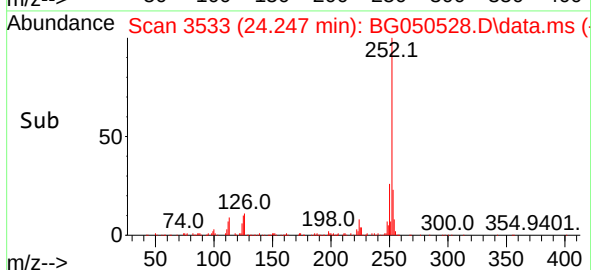
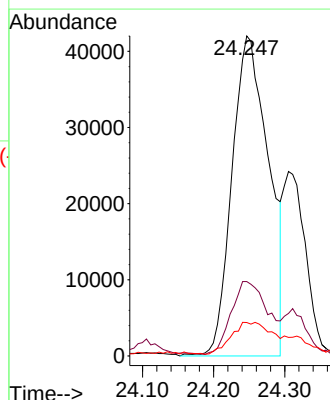
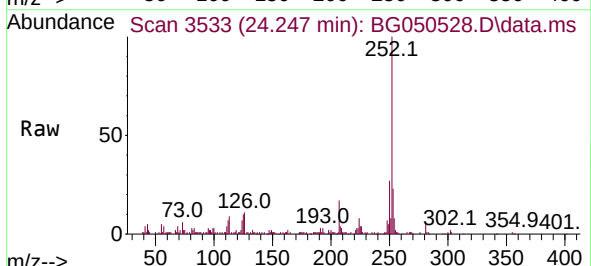
RT: 24.247 min Scan# 3533

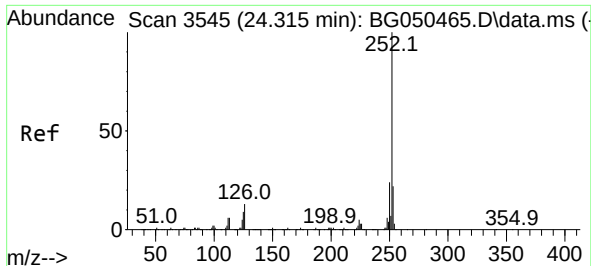
Delta R.T. 0.002 min

Lab File: BG050528.D

Acq: 9 Oct 2021 3:56

Tgt Ion:	252	Resp:	150442
Ion Ratio	Lower	Upper	
252	100		
253	23.2	16.2	24.4
125	10.5	3.0	4.4#

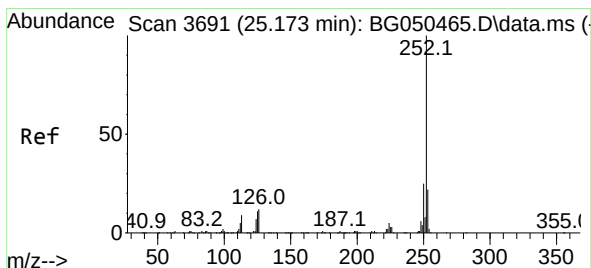
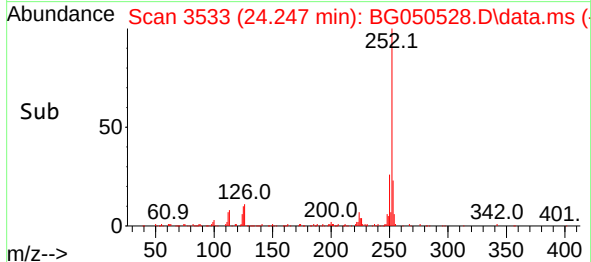
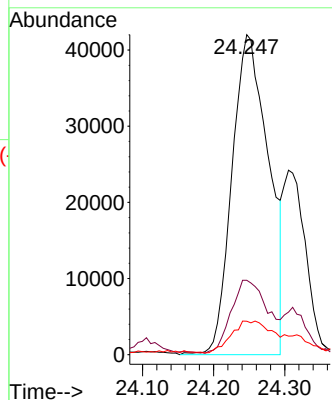
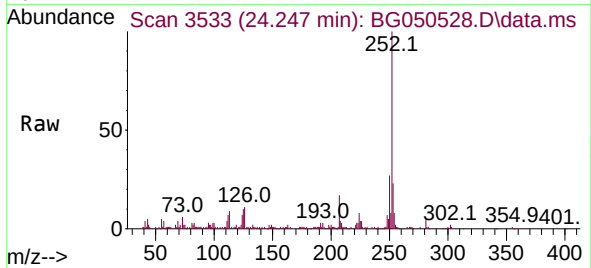




#89
Benzo(k)fluoranthene
Concen: 7.506 ng
RT: 24.247 min Scan# 3533
Delta R.T. -0.069 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

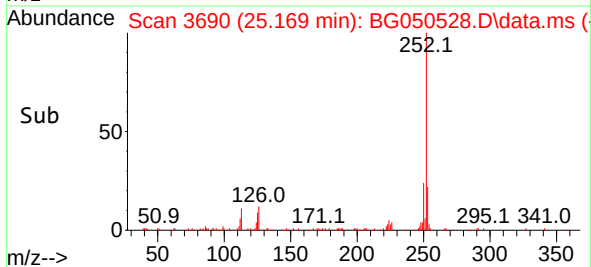
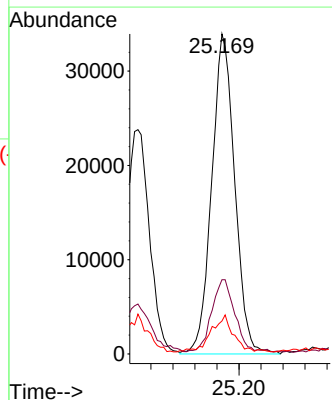
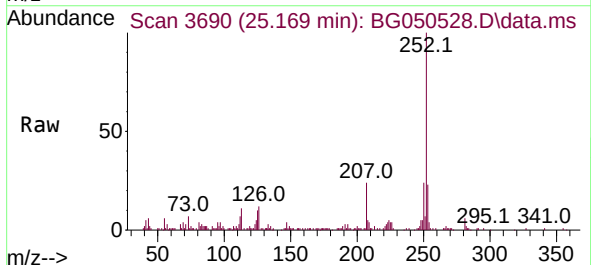
Instrument :
BNA_G
ClientSampled :
TP-3

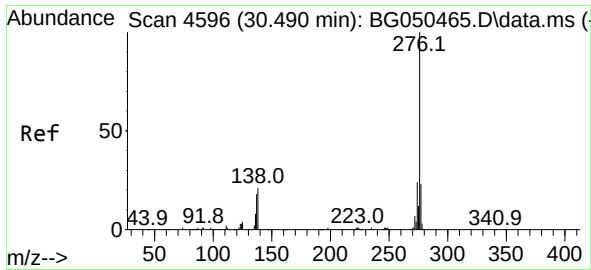
Tgt Ion:252 Resp: 150442
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 10.5 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 5.696 ng
RT: 25.169 min Scan# 3690
Delta R.T. -0.004 min
Lab File: BG050528.D
Acq: 9 Oct 2021 3:56

Tgt Ion:252 Resp: 98673
Ion Ratio Lower Upper
252 100
253 23.2 16.6 25.0
125 10.3 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 2.899 ng
 RT: 30.486 min Scan# 4595
 Delta R.T. -0.004 min
 Lab File: BG050528.D
 Acq: 9 Oct 2021 3:56

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion:	276	Resp:	54409
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.4	27.6
138	21.3	7.0	10.6#

