

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
 Data File : BG050720.D
 Acq On : 25 Oct 2021 21:30
 Operator : CG/JU
 Sample : M4290-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Oct 26 02:16:26 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

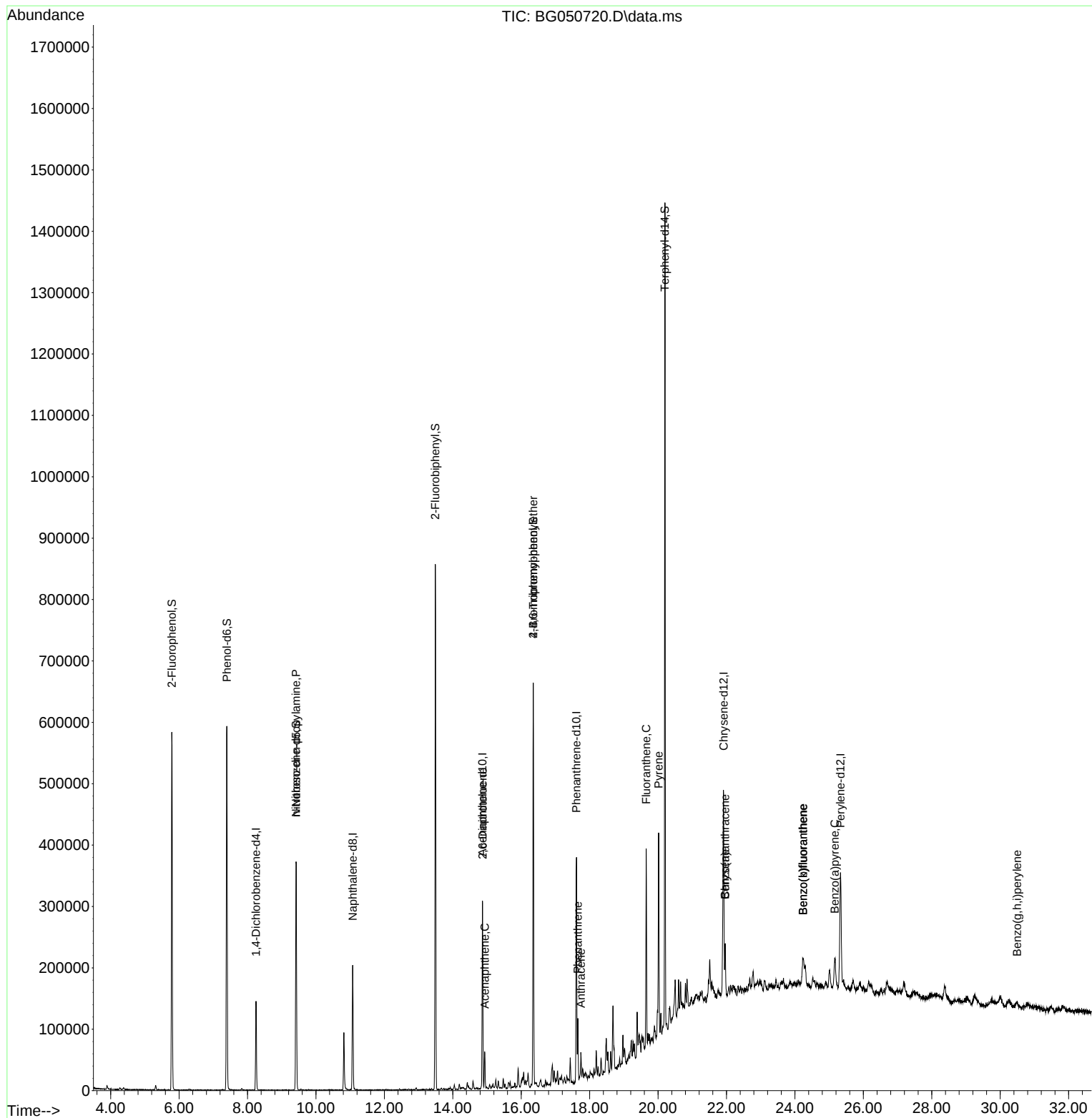
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.249	152	40257	20.000	ng	0.00
21) Naphthalene-d8	11.075	136	167036	20.000	ng	# 0.00
39) Acenaphthene-d10	14.865	164	106343	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	223474	20.000	ng	# 0.00
76) Chrysene-d12	21.916	240	189494	20.000	ng	# 0.00
86) Perylene-d12	25.329	264	191414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.787	112	250682	93.128	ng	0.00
7) Phenol-d6	7.397	99	341460	87.615	ng	0.00
23) Nitrobenzene-d5	9.419	82	244347	60.555	ng	0.00
42) 2,4,6-Tribromophenol	16.352	330	92016	90.716	ng	0.00
45) 2-Fluorobiphenyl	13.490	172	411488	58.236	ng	-0.01
79) Terphenyl-d14	20.200	244	582259	59.882	ng	0.00
Target Compounds						
9) Benzaldehyde	7.391	77	846	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.419	70	33408	11.761	ng	# 74
51) 2,6-Dinitrotoluene	14.871	165	13859	8.608	ng	# 11
52) Acenaphthene	14.936	154	21512	3.430	ng	90
67) 4-Bromophenyl-phenylether	16.352	248	7641	3.393	ng	# 1
71) Phenanthrene	17.656	178	56001	4.755	ng	99
72) Anthracene	17.744	178	27802	2.376	ng	98
75) Fluoranthene	19.654	202	195632	13.514	ng	96
78) Pyrene	20.018	202	207158	15.408	ng	99
81) Benzo(a)anthracene	21.963	228	60328	4.811	ng	94
83) Chrysene	21.963	228	60328	5.115	ng	# 94
88) Benzo(b)fluoranthene	24.236	252	55440	4.729	ng	# 89
89) Benzo(k)fluoranthene	24.236	252	55440	4.807	ng	# 93
90) Benzo(a)pyrene	25.165	252	49732	4.990	ng	# 93
92) Benzo(g,h,i)perylene	30.494	276	24262	2.246	ng	# 84

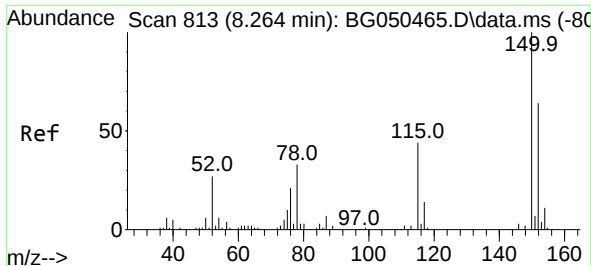
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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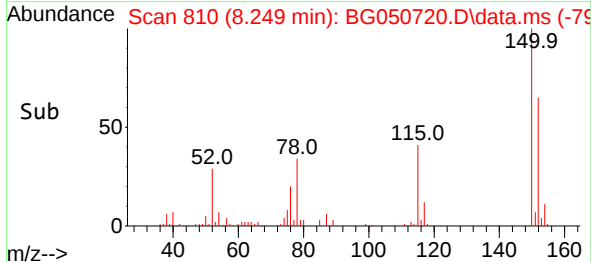
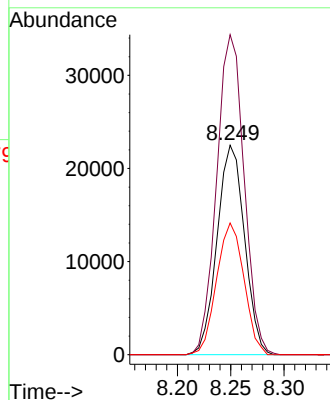
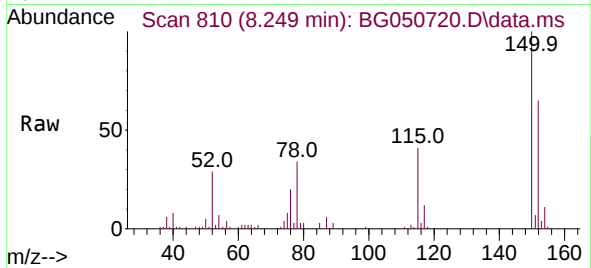




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.249 min Scan# 810
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

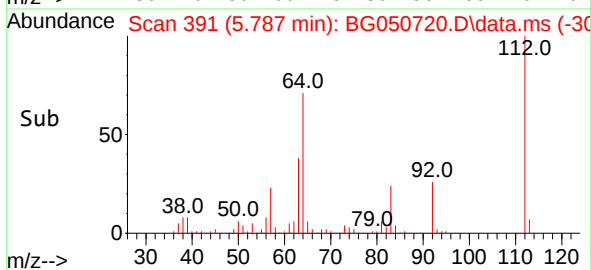
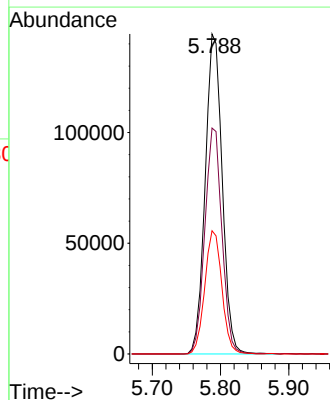
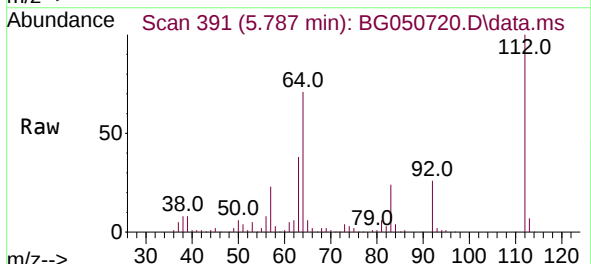
Instrument :
BNA_G
ClientSampled :
TP-1

Tgt Ion:152 Resp: 40257
Ion Ratio Lower Upper
152 100
150 152.8 119.4 179.0
115 62.9 60.2 90.4



#5
2-Fluorophenol
Concen: 93.128 ng
RT: 5.787 min Scan# 391
Delta R.T. -0.003 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:112 Resp: 250682
Ion Ratio Lower Upper
112 100
64 70.6 46.7 70.1#
63 38.5 35.3 52.9

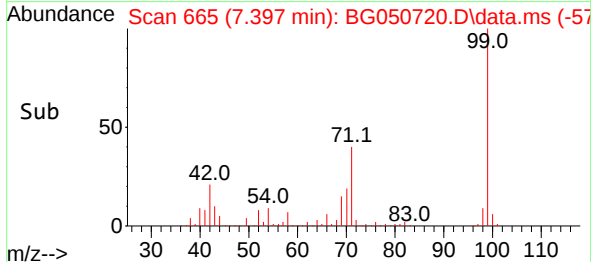
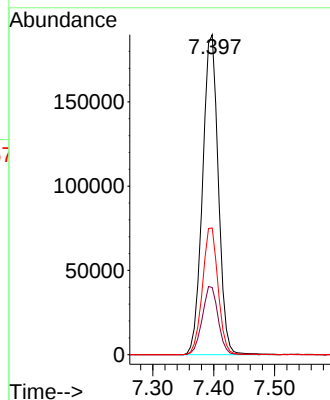
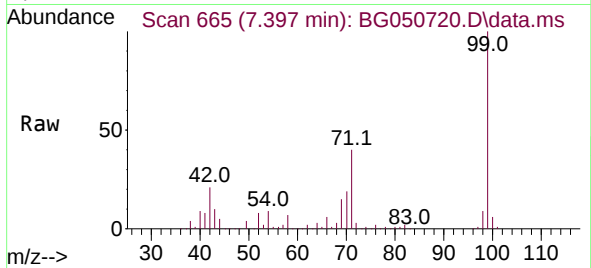




#7
Phenol-d6
Concen: 87.615 ng
RT: 7.397 min Scan# 665
Delta R.T. -0.003 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

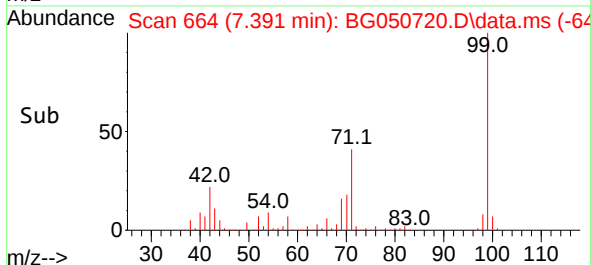
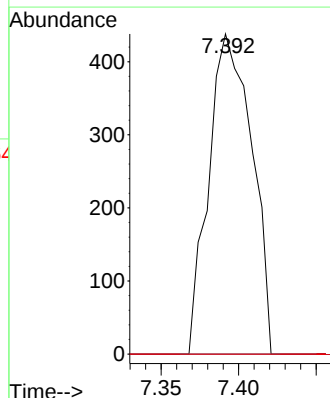
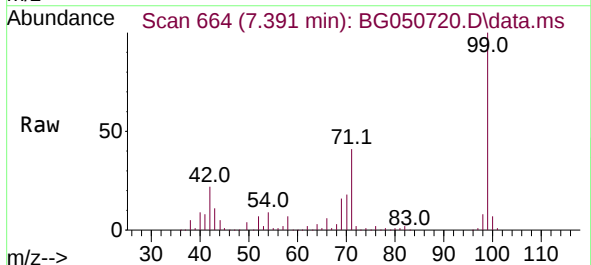
Instrument :
BNA_G
ClientSampleId :
TP-1

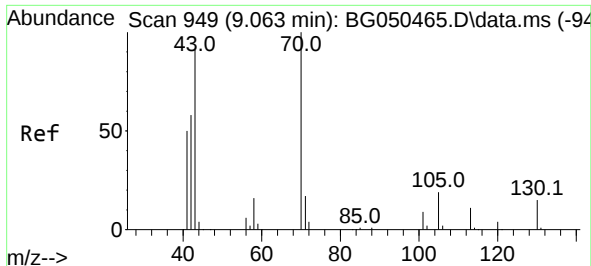
Tgt Ion: 99 Resp: 341460
Ion Ratio Lower Upper
99 100
42 21.0 20.5 30.7
71 39.6 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.391 min Scan# 664
Delta R.T. 0.003 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion: 77 Resp: 846
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

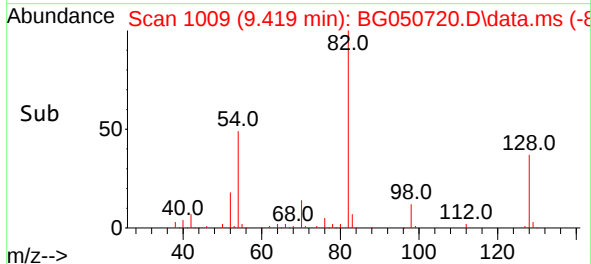
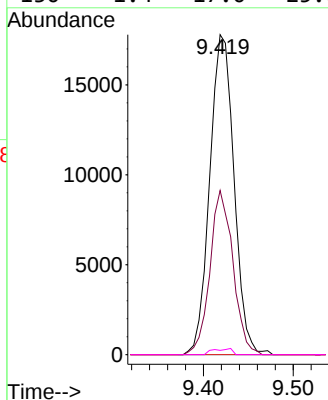
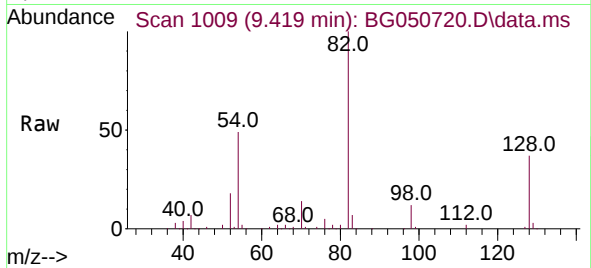




#19
n-Nitroso-di-n-propylamine
Concen: 11.761 ng
RT: 9.419 min Scan# 1009
Delta R.T. 0.361 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

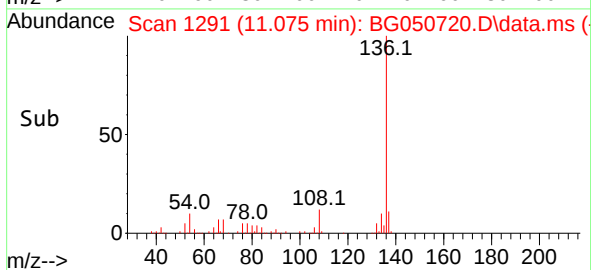
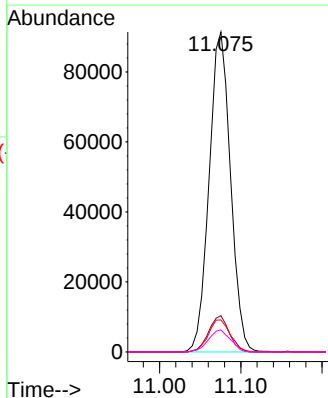
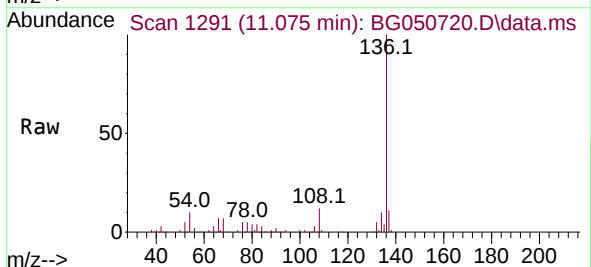
Instrument :
BNA_G
ClientSampleId :
TP-1

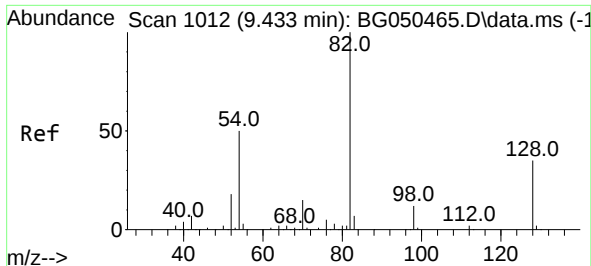
Tgt Ion:	70	Resp:	33408
Ion	Ratio	Lower	Upper
70	100		
42	51.3	54.5	81.7#
101	0.0	9.0	13.6#
130	1.4	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.075 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:	136	Resp:	167036
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.2
54	10.0	5.5	8.3#
68	6.9	2.3	3.5#





#23

Nitrobenzene-d5

Concen: 60.555 ng

RT: 9.419 min Scan# 1009

Delta R.T. -0.009 min

Lab File: BG050720.D

Acq: 25 Oct 2021 21:30

Tgt Ion: 82 Resp: 244347

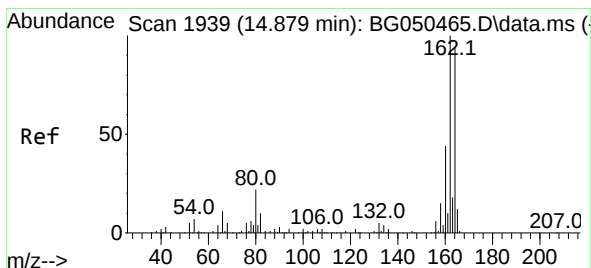
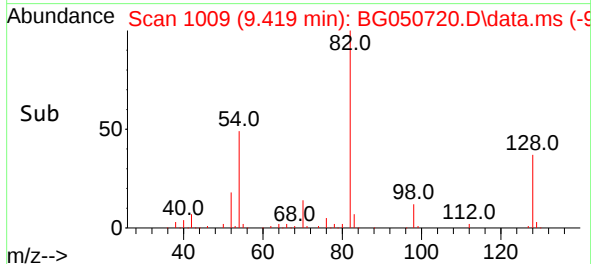
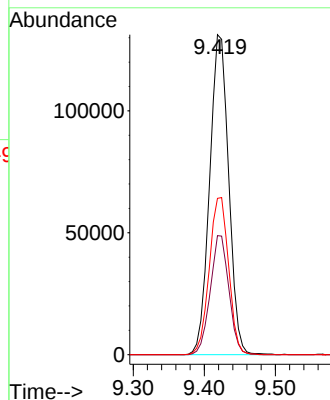
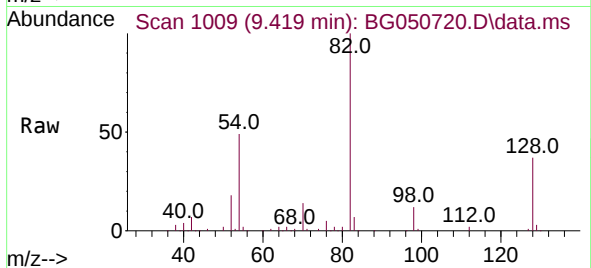
Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.8	44.6
54	48.9	45.8	68.8

Instrument :

BNA_G

ClientSampleId :

TP-1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.865 min Scan# 1936

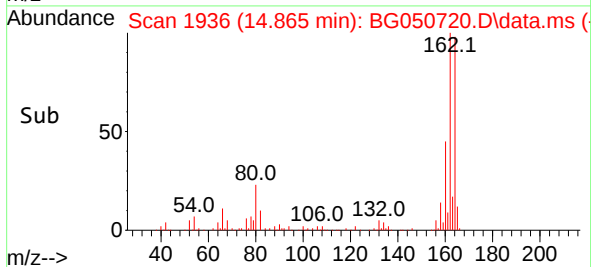
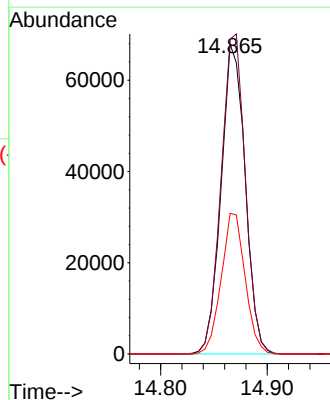
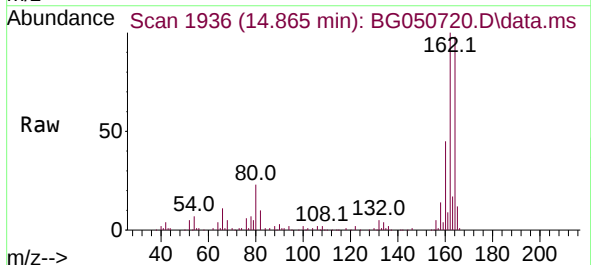
Delta R.T. -0.009 min

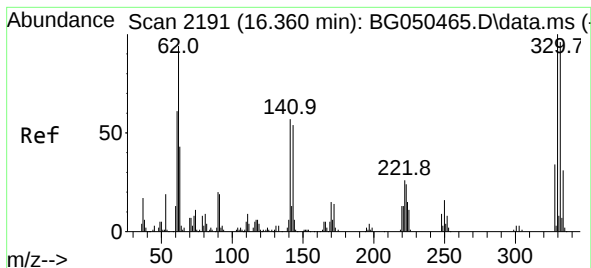
Lab File: BG050720.D

Acq: 25 Oct 2021 21:30

Tgt Ion:164 Resp: 106343

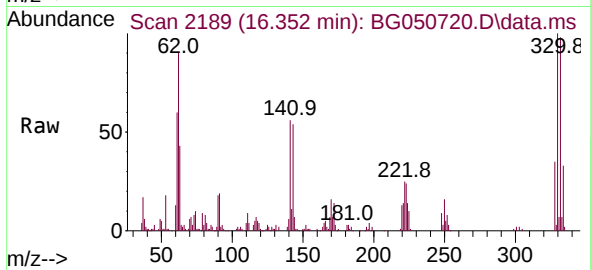
Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.4	122.0
160	45.4	34.9	52.3



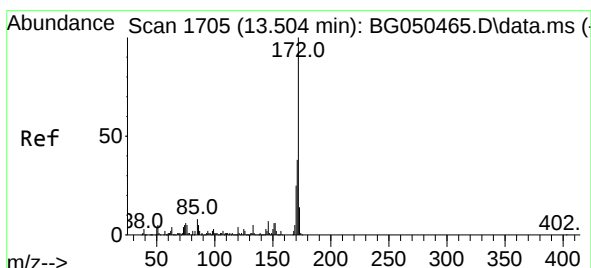
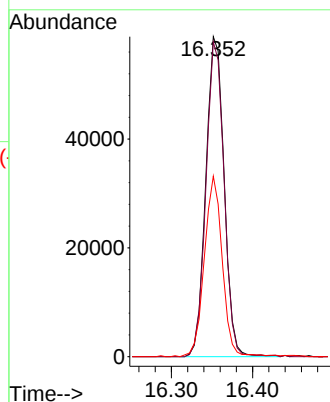
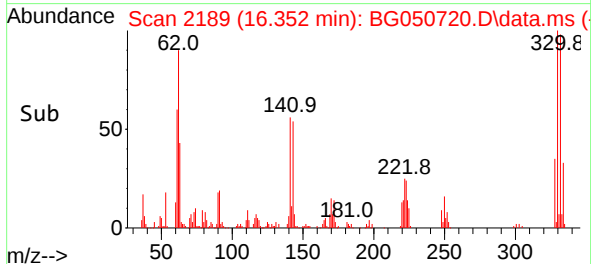


#42
2,4,6-Tribromophenol
Concen: 90.716 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

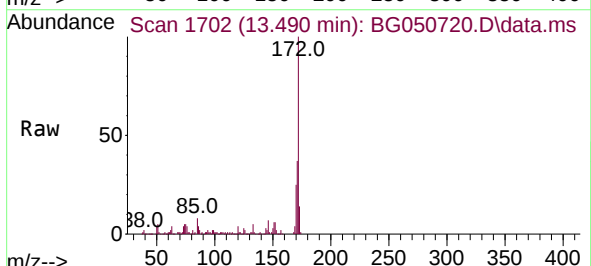
Instrument :
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TP-1



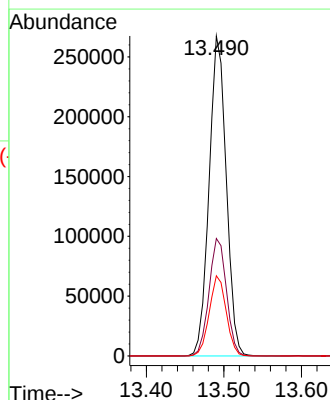
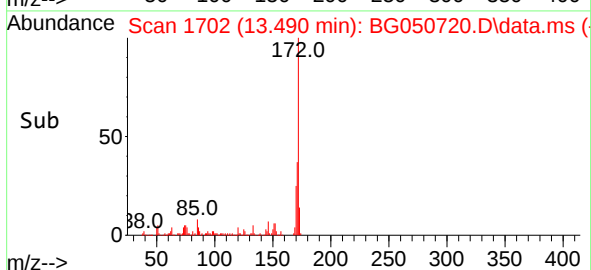
Tgt Ion:330 Resp: 92016
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 55.4 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 58.236 ng
RT: 13.490 min Scan# 1702
Delta R.T. -0.015 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30



Tgt Ion:172 Resp: 411488
Ion Ratio Lower Upper
172 100
171 36.7 28.6 43.0
170 25.0 18.6 27.8

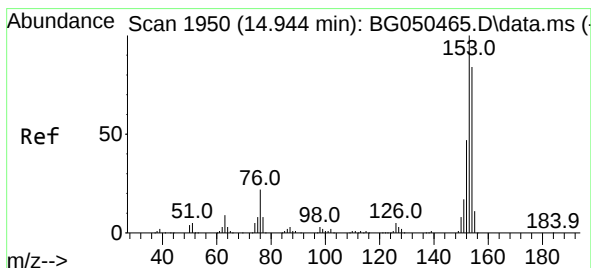
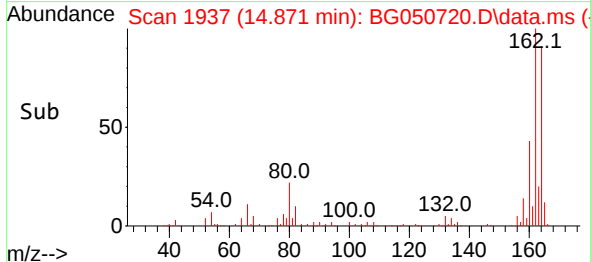
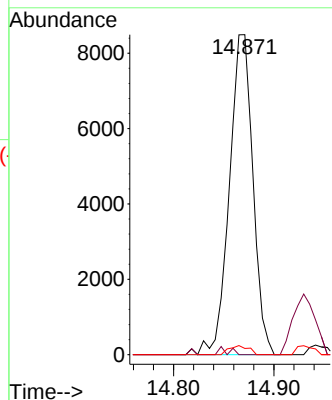
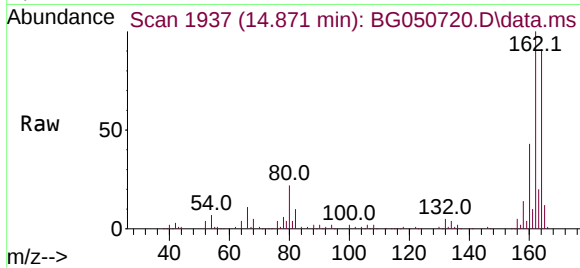




#51
2,6-Dinitrotoluene
Concen: 8.608 ng
RT: 14.871 min Scan# 1937
Delta R.T. 0.426 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

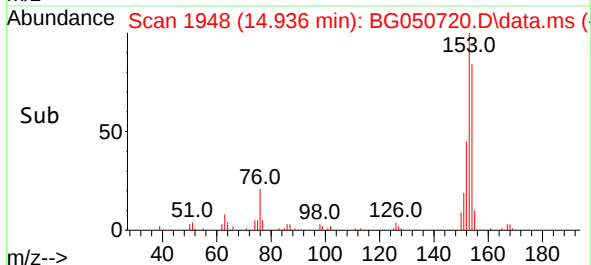
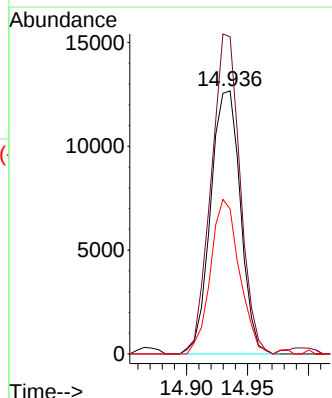
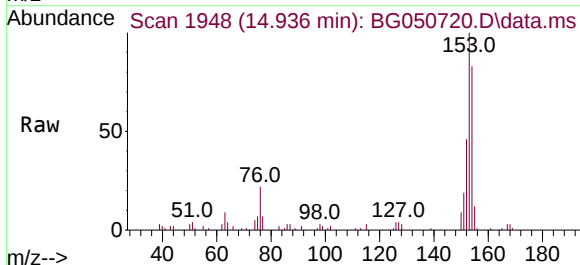
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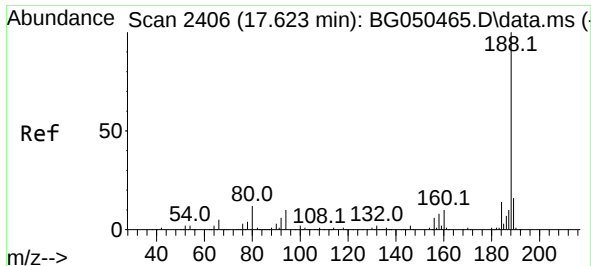
Tgt Ion:165 Resp: 13859
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.0 63.4 95.0#



#52
Acenaphthene
Concen: 3.430 ng
RT: 14.936 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:154 Resp: 21512
Ion Ratio Lower Upper
154 100
153 120.6 87.0 130.4
152 55.1 40.1 60.1

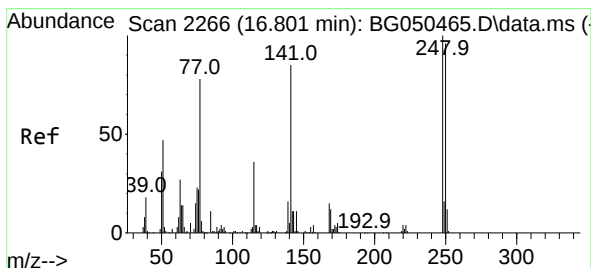
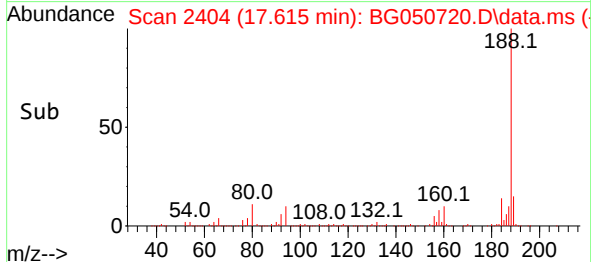
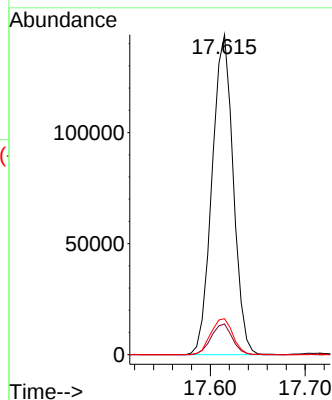
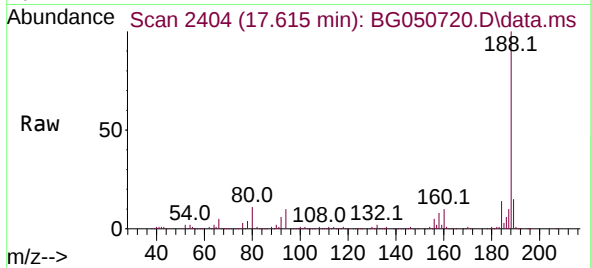




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.615 min Scan# 2404
Delta R.T. -0.003 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

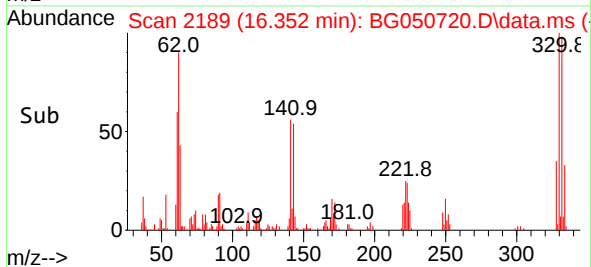
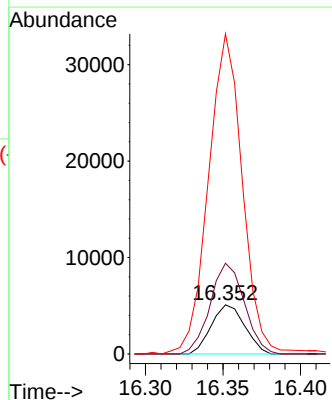
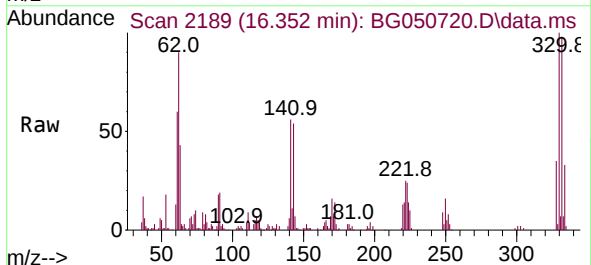
Instrument :
BNA_G
ClientSampled :
TP-1

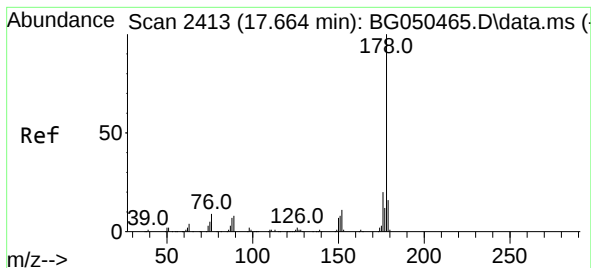
Tgt Ion:188 Resp: 223474
Ion Ratio Lower Upper
188 100
94 9.6 5.4 8.0#
80 11.3 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.393 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.450 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:248 Resp: 7641
Ion Ratio Lower Upper
248 100
250 184.4 76.1 114.1#
141 650.7 65.4 98.2#

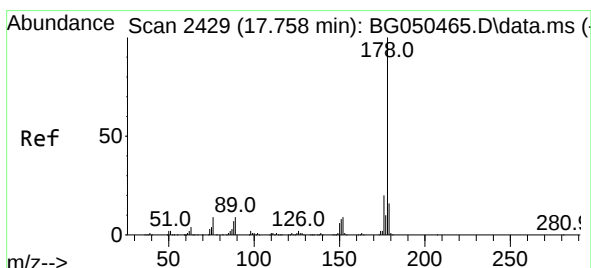
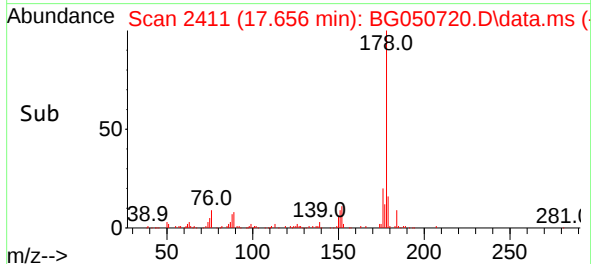
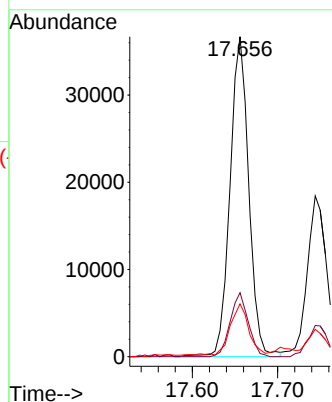
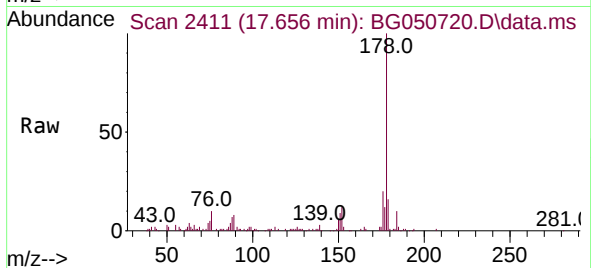




#71
Phenanthrene
Concen: 4.755 ng
RT: 17.656 min Scan# 2411
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

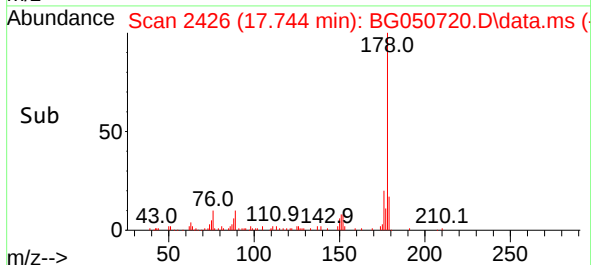
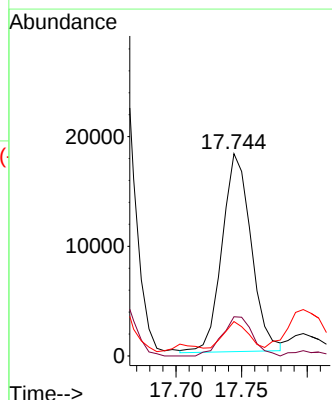
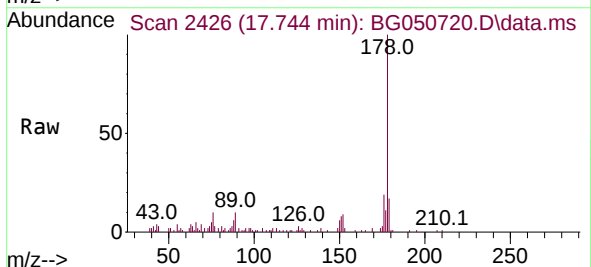
Instrument :
BNA_G
ClientSampled :
TP-1

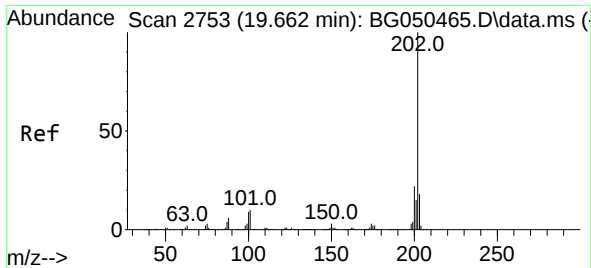
Tgt Ion:178 Resp: 56001
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.5 14.2 21.4



#72
Anthracene
Concen: 2.376 ng
RT: 17.744 min Scan# 2426
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:178 Resp: 27802
Ion Ratio Lower Upper
178 100
176 19.4 14.6 21.8
179 17.0 13.4 20.0

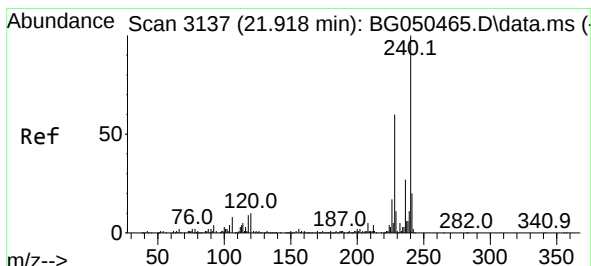
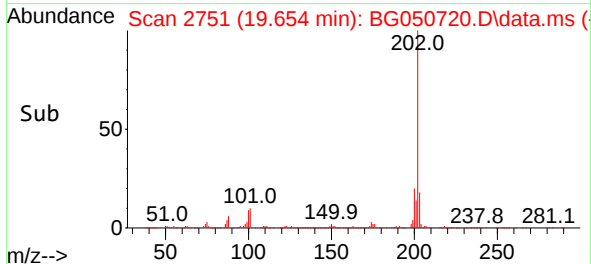
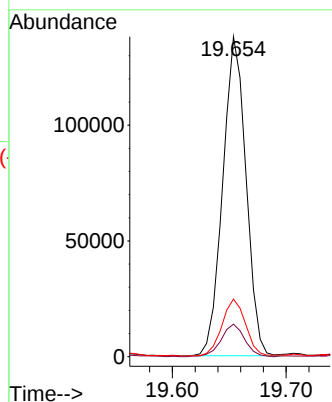
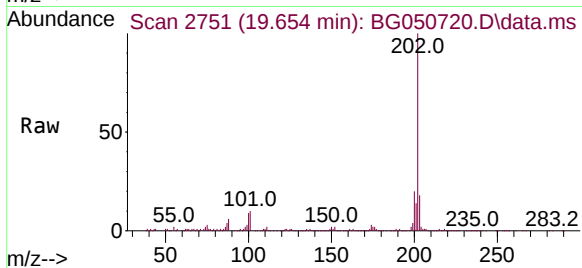




#75
Fluoranthene
Concen: 13.514 ng
RT: 19.654 min Scan# 2751
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

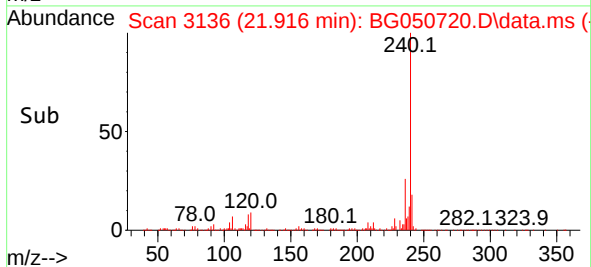
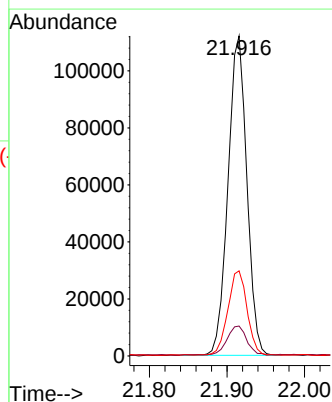
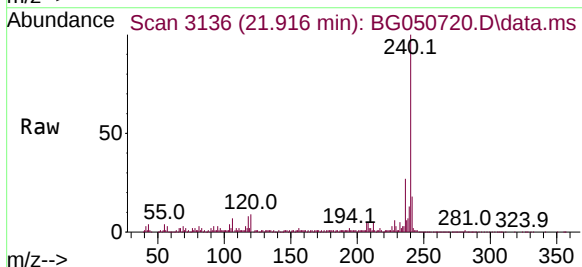
Instrument :
BNA_G
ClientSampleId :
TP-1

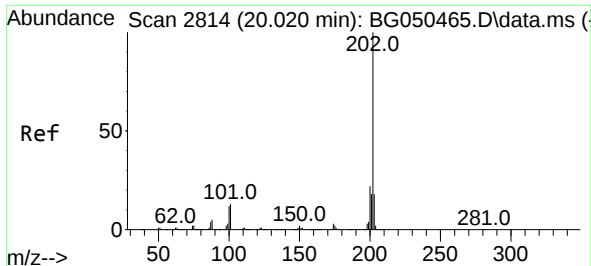
Tgt Ion:	202	Resp:	195632
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	24.7
203	18.0	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3136
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:	240	Resp:	189494
Ion Ratio	Lower	Upper	
240	100		
120	9.4	4.2	6.2#
236	26.6	21.8	32.6

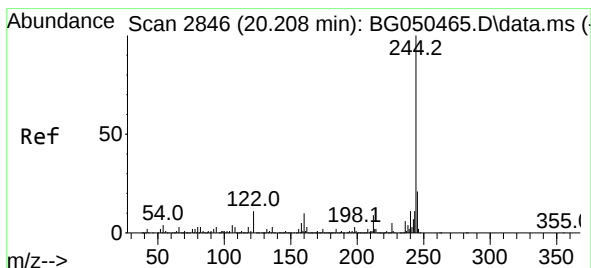
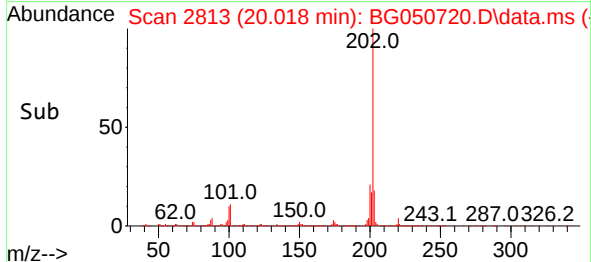
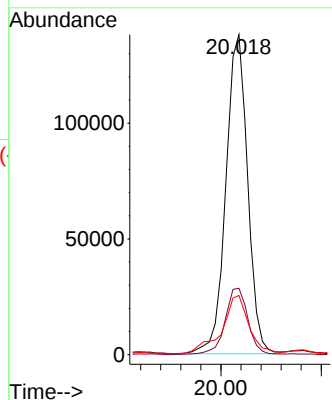
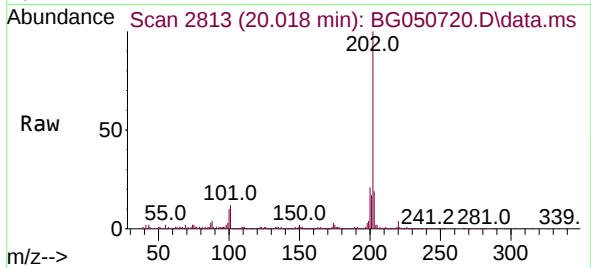




#78
Pyrene
Concen: 15.408 ng
RT: 20.018 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

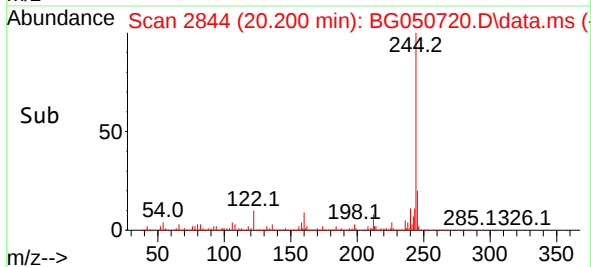
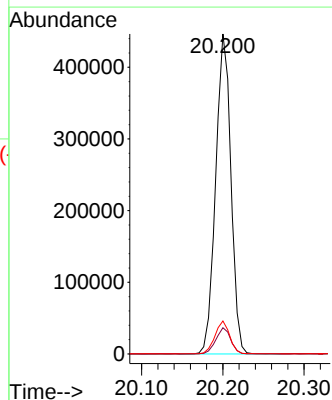
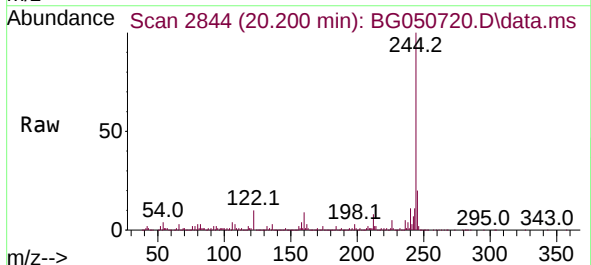
Instrument :
BNA_G
ClientSampleId :
TP-1

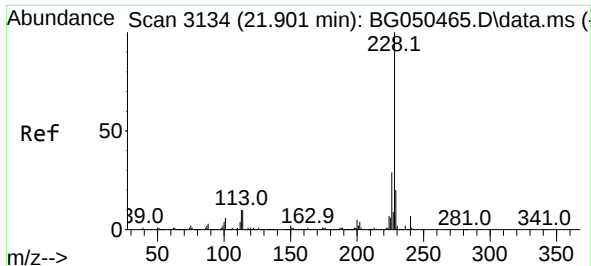
Tgt Ion:	202	Resp:	207158
Ion Ratio	Lower	Upper	
202	100		
200	20.8	15.8	23.8
203	18.5	14.6	21.8



#79
Terphenyl-d14
Concen: 59.882 ng
RT: 20.200 min Scan# 2844
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:	244	Resp:	582259
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.9	10.3
122	10.3	5.0	7.6#

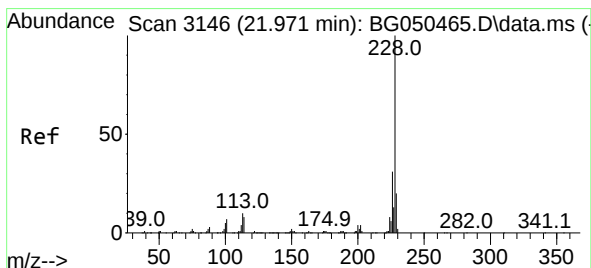
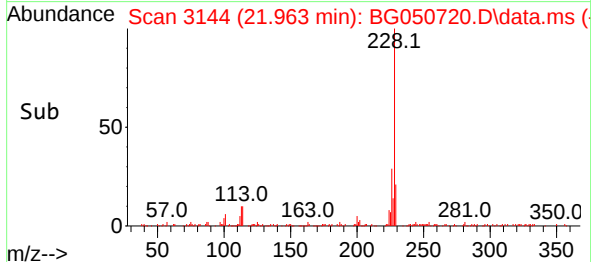
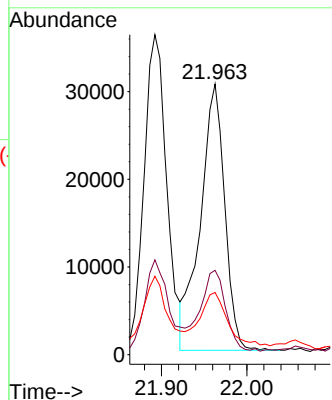
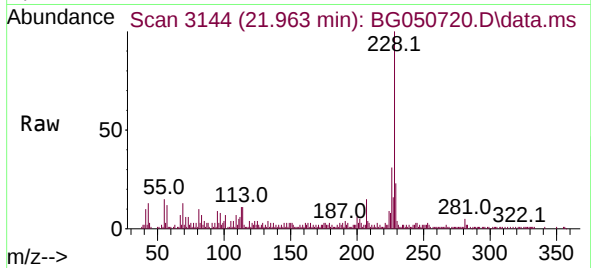




#81
Benzo(a)anthracene
Concen: 4.811 ng
RT: 21.963 min Scan# 3144
Delta R.T. 0.061 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

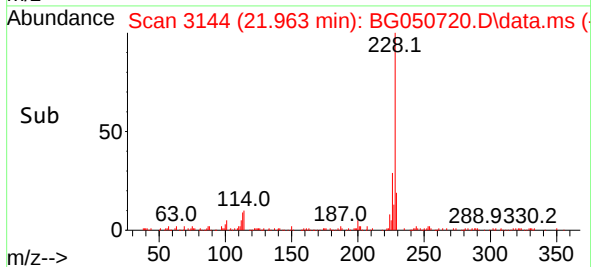
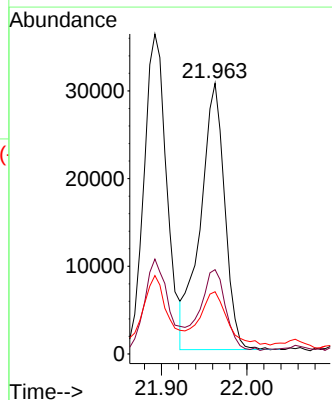
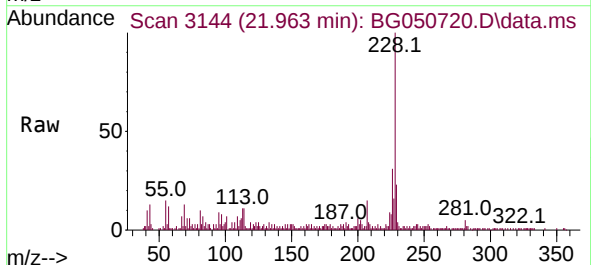
Instrument :
BNA_G
ClientSampleId :
TP-1

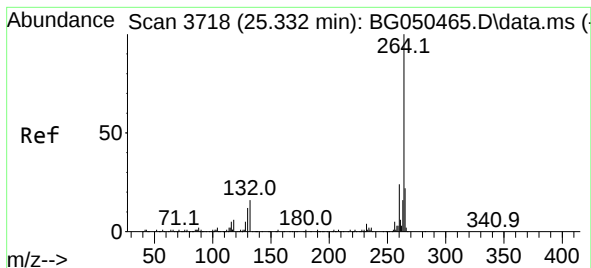
Tgt Ion:228 Resp: 60328
Ion Ratio Lower Upper
228 100
226 31.2 22.7 34.1
229 23.0 16.0 24.0



#83
Chrysene
Concen: 5.115 ng
RT: 21.963 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:228 Resp: 60328
Ion Ratio Lower Upper
228 100
226 31.2 23.1 34.7
229 23.0 15.3 22.9#

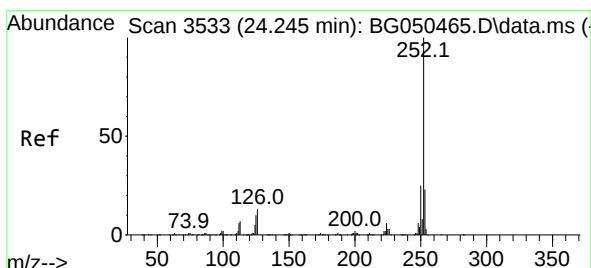
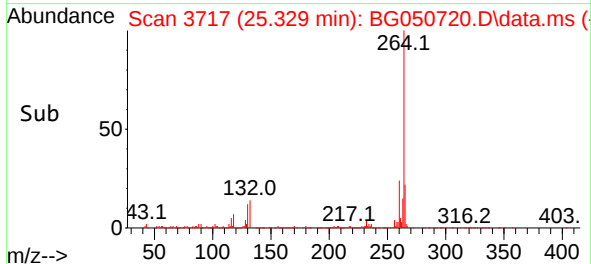
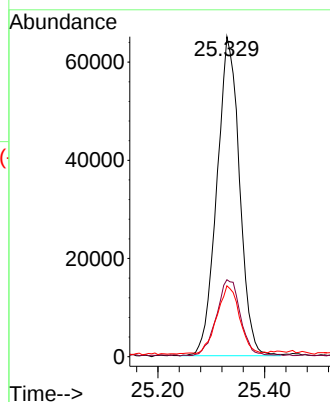
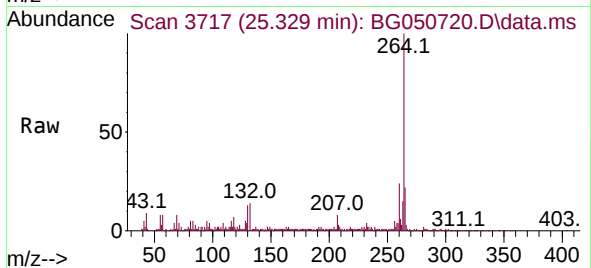




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.329 min Scan# 3717
 Delta R.T. -0.003 min
 Lab File: BG050720.D
 Acq: 25 Oct 2021 21:30

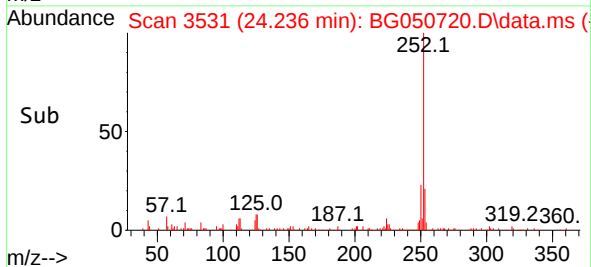
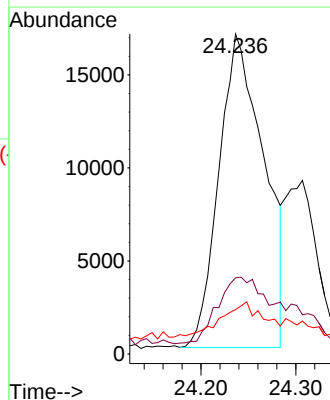
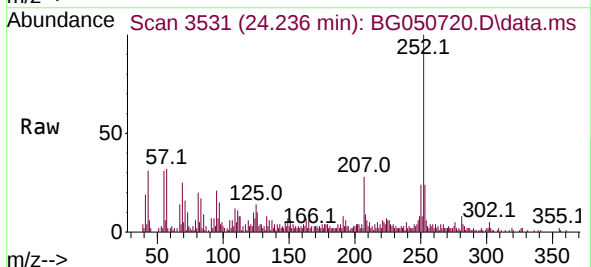
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

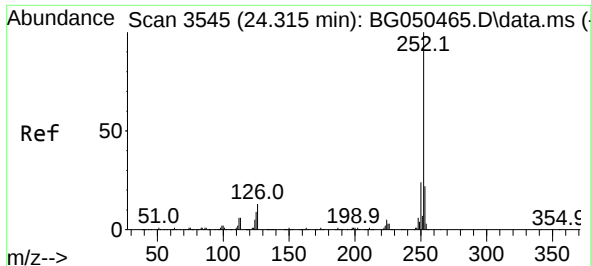
Tgt Ion:	264	Resp:	191414
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.4	29.2
265	22.2	16.9	25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.729 ng
 RT: 24.236 min Scan# 3531
 Delta R.T. -0.009 min
 Lab File: BG050720.D
 Acq: 25 Oct 2021 21:30

Tgt Ion:	252	Resp:	55440
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.2	24.4
125	13.9	3.0	4.4#

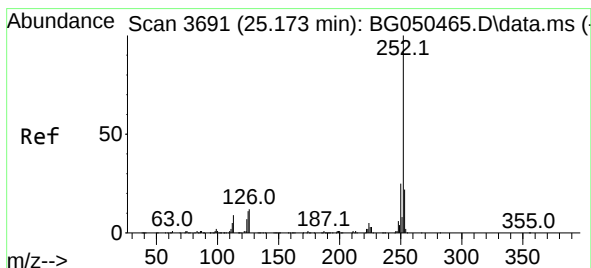
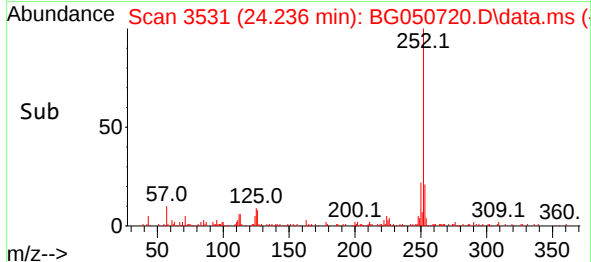
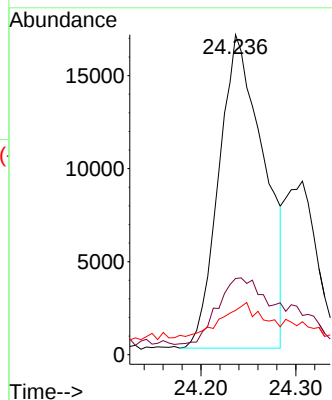
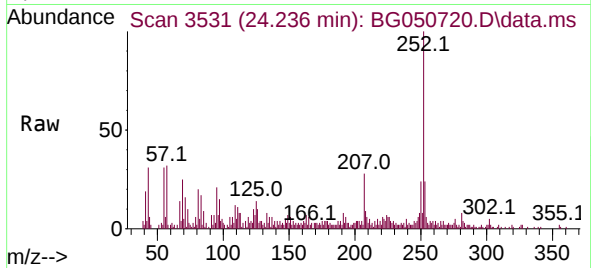




#89
Benzo(k)fluoranthene
Concen: 4.807 ng
RT: 24.236 min Scan# 3531
Delta R.T. -0.080 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

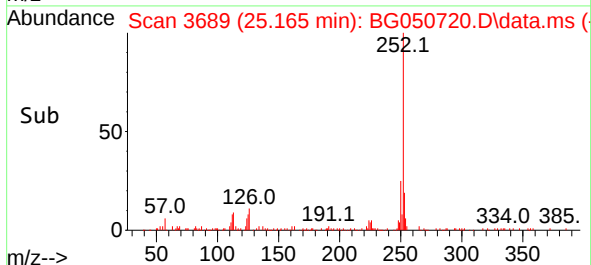
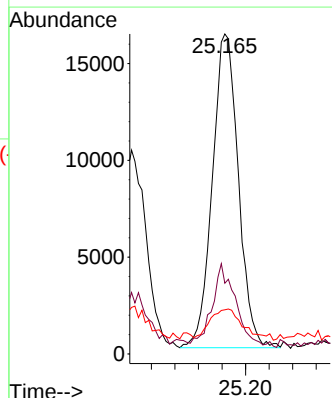
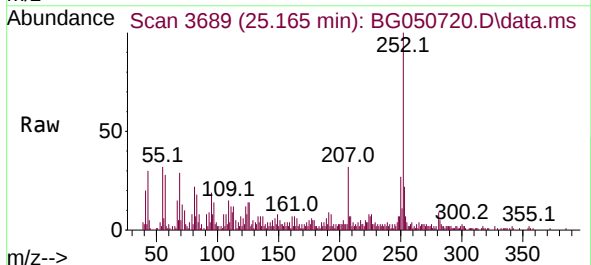
Instrument :
BNA_G
ClientSampled :
TP-1

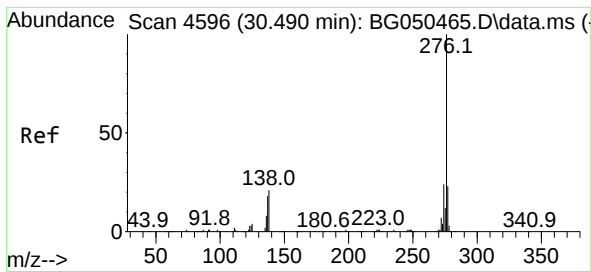
Tgt Ion:252 Resp: 55440
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 13.9 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 4.990 ng
RT: 25.165 min Scan# 3689
Delta R.T. -0.009 min
Lab File: BG050720.D
Acq: 25 Oct 2021 21:30

Tgt Ion:252 Resp: 49732
Ion Ratio Lower Upper
252 100
253 22.1 16.6 25.0
125 13.8 3.5 5.3#





#92

Benzo(g,h,i)perylene

Concen: 2.246 ng

RT: 30.494 min Scan# 4596

Delta R.T. -0.003 min

Lab File: BG050720.D

Acq: 25 Oct 2021 21:30

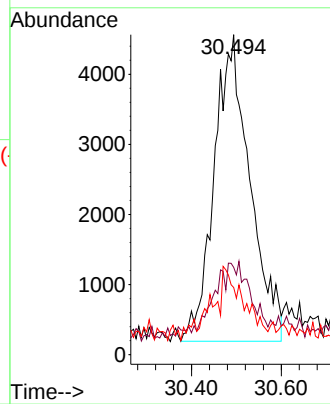
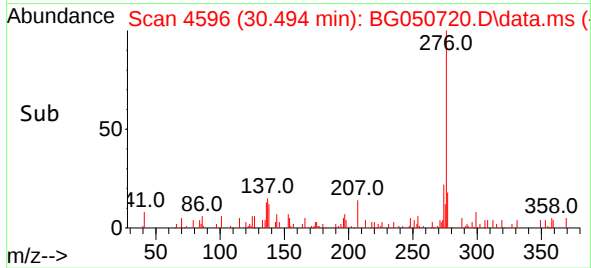
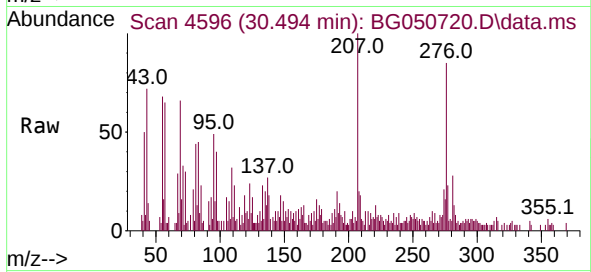
Tgt Ion: 276 Resp: 24262

Ion Ratio Lower Upper

276 100

277 27.3 18.4 27.6

138 21.0 7.0 10.6#



Instrument :

BNA_G

ClientSampleId :

TP-1