

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060502.D
 Acq On : 31 Jan 2024 3:26
 Operator : MA/JU
 Sample : P1276-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-37

Quant Time: Jan 31 04:43:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

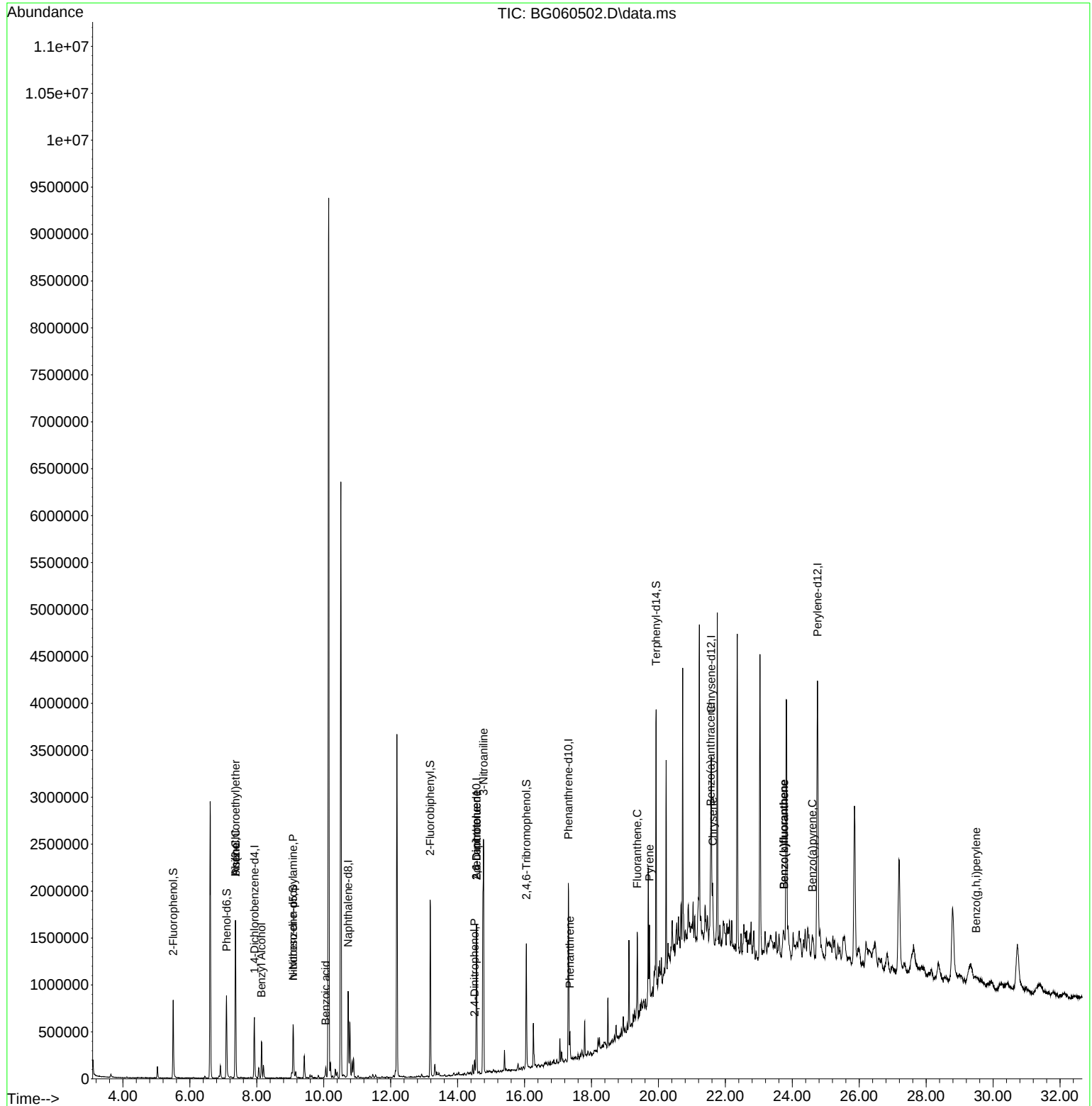
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	204563	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	815794	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	591372	20.000	ng	0.00
64) Phenanthrene-d10	17.311	188	1319721	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1148267	20.000	ng	0.00
86) Perylene-d12	24.756	264	1153682	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	432568	34.781	ng	0.00
7) Phenol-d6	7.094	99	640643	34.787	ng	0.00
23) Nitrobenzene-d5	9.086	82	401265	23.226	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	317917	36.539	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	1088797	25.598	ng	0.00
79) Terphenyl-d14	19.932	244	1579413	25.385	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.364	93	722184	39.232	ng	# 52
10) Phenol	7.364	94	96258	5.213	ng	69
11) bis(2-Chloroethyl)ether	7.364	93	722184	47.998	ng	# 21
15) Benzyl Alcohol	8.140	79	38509	3.230	ng	# 53
19) n-Nitroso-di-n-propyla...	9.086	70	49204	3.860	ng	# 83
32) Benzoic acid	10.055	122	785	10.281	ng	# 63
51) 2,6-Dinitrotoluene	14.562	165	81363	8.437	ng	# 34
53) 3-Nitroaniline	14.773	138	37373	4.253	ng	# 1
54) 2,4-Dinitrophenol	14.509	184	19000	11.488	ng	# 38
57) 2,4-Dinitrotoluene	14.562	165	81363	6.153	ng	# 26
71) Phenanthrene	17.353	178	193947	3.040	ng	92
75) Fluoranthene	19.368	202	589222	7.690	ng	88
78) Pyrene	19.732	202	541893	7.390	ng	# 86
81) Benzo(a)anthracene	21.559	228	248697	3.499	ng	96
83) Chrysene	21.624	228	324536	4.642	ng	92
88) Benzo(b)fluoranthene	23.751	252	390871	5.735	ng	# 91
89) Benzo(k)fluoranthene	23.751	252	390871	5.812	ng	# 90
90) Benzo(a)pyrene	24.603	252	227929	3.702	ng	# 83
92) Benzo(g,h,i)perylene	29.497	276	139173	2.073	ng	# 85

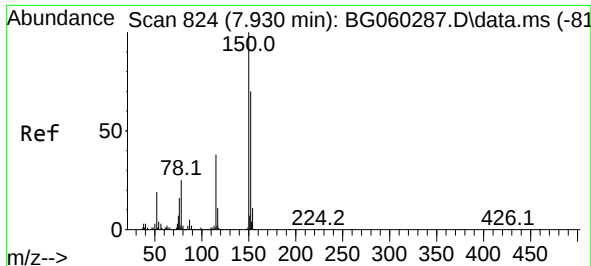
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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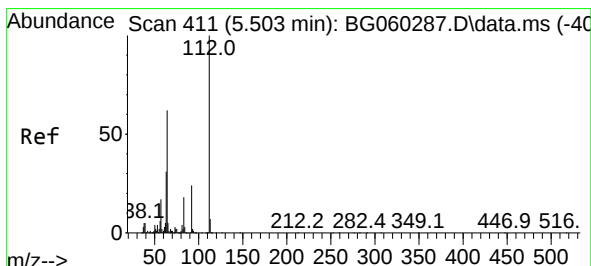
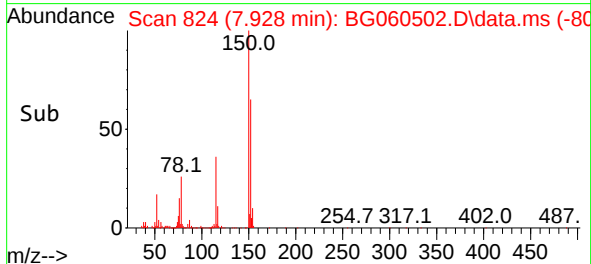
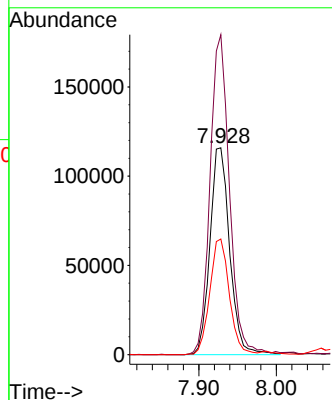
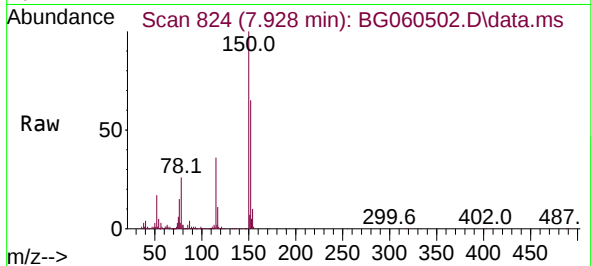




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

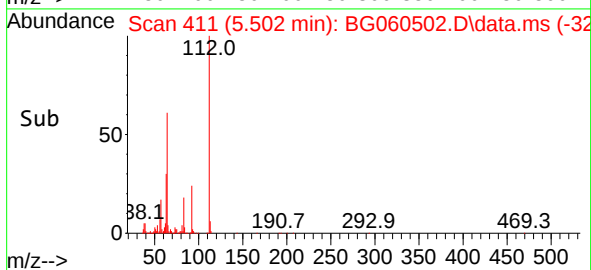
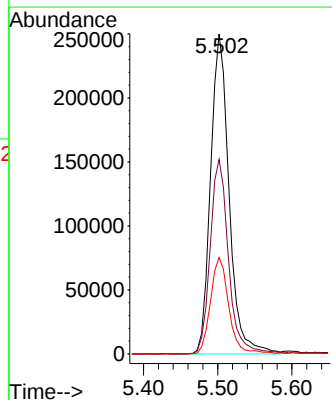
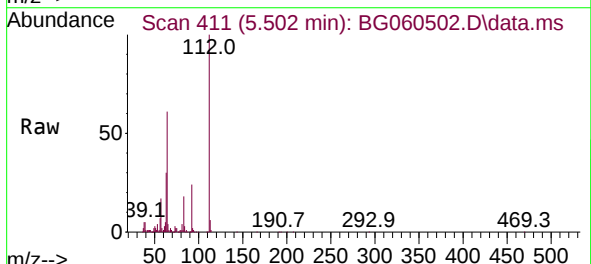
Instrument :
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TP-37

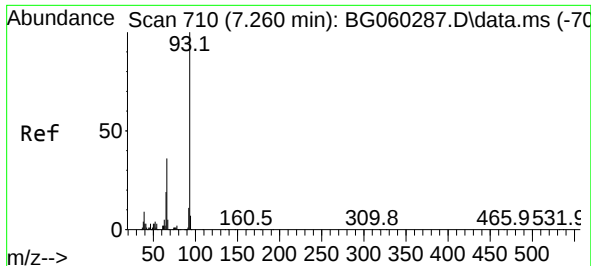
Tgt Ion:152 Resp: 204563
Ion Ratio Lower Upper
152 100
150 154.7 114.5 171.7
115 55.9 43.0 64.6



#5
2-Fluorophenol
Concen: 34.781 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:112 Resp: 432568
Ion Ratio Lower Upper
112 100
64 60.8 49.8 74.6
63 30.1 24.4 36.6





#6

Aniline

Concen: 39.232 ng

RT: 7.364 min Scan# 710

Delta R.T. 0.105 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

Instrument :

BNA_G

ClientSampleId :

TP-37

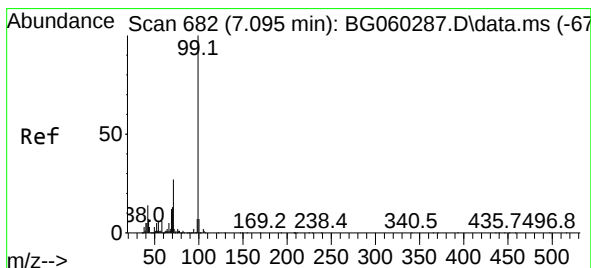
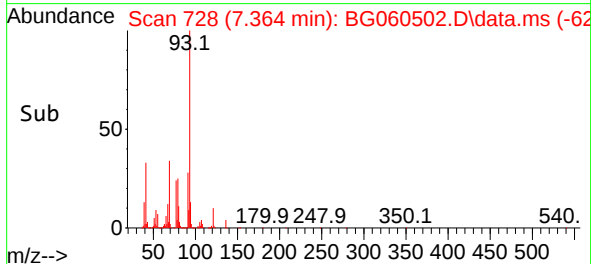
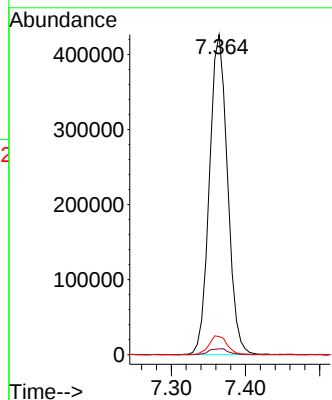
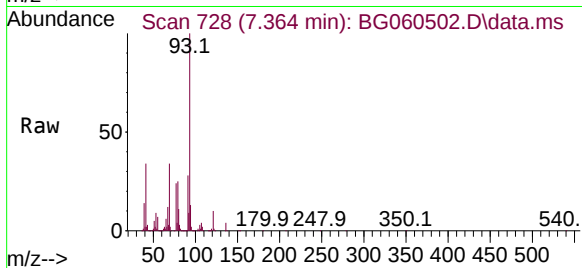
Tgt Ion: 93 Resp: 722184

Ion Ratio Lower Upper

93 100

66 1.8 29.0 43.4#

65 5.6 15.1 22.7#



#7

Phenol-d6

Concen: 34.787 ng

RT: 7.094 min Scan# 682

Delta R.T. -0.001 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

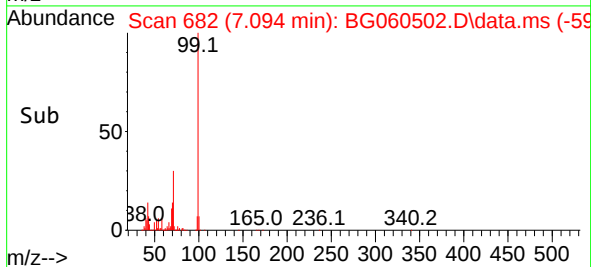
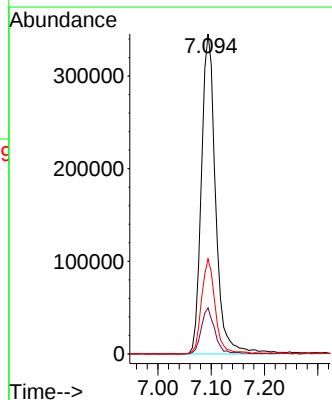
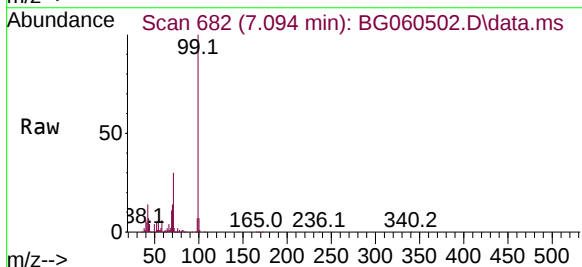
Tgt Ion: 99 Resp: 640643

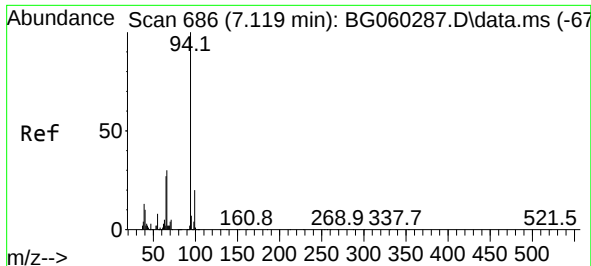
Ion Ratio Lower Upper

99 100

42 14.4 10.9 16.3

71 29.7 21.5 32.3





#10

Phenol

Concen: 5.213 ng

RT: 7.364 min Scan# 71

Delta R.T. 0.246 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

Instrument :

BNA_G

ClientSampleId :

TP-37

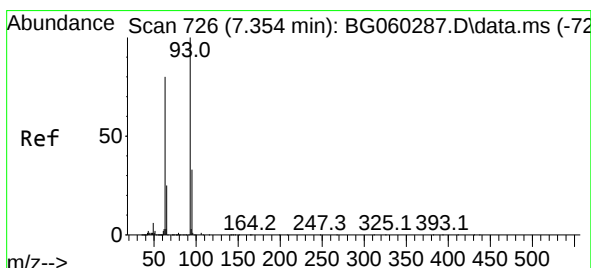
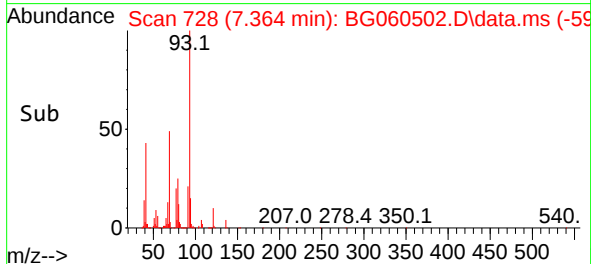
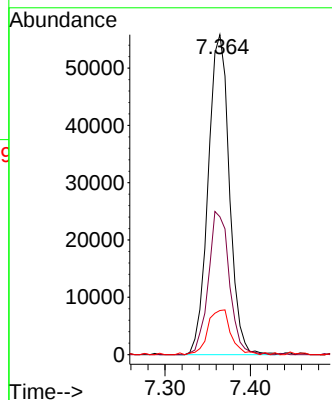
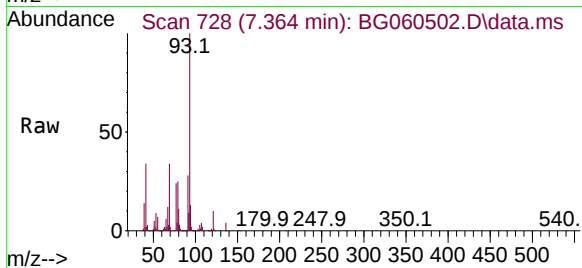
Tgt Ion: 94 Resp: 96258

Ion Ratio Lower Upper

94 100

65 43.1 6.7 46.7

66 13.8 10.6 50.6



#11

bis(2-Chloroethyl)ether

Concen: 47.998 ng

RT: 7.364 min Scan# 728

Delta R.T. 0.011 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

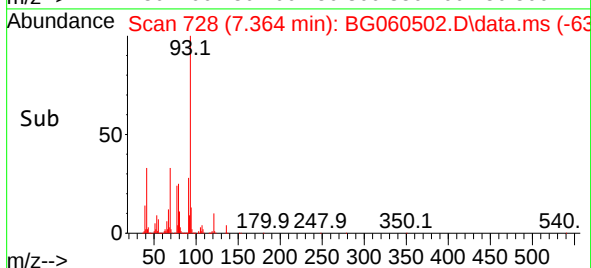
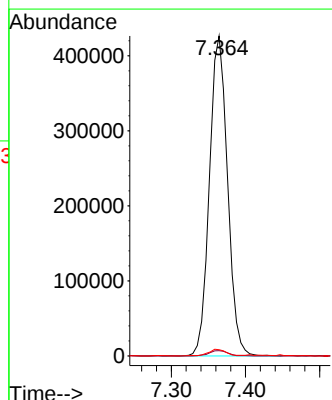
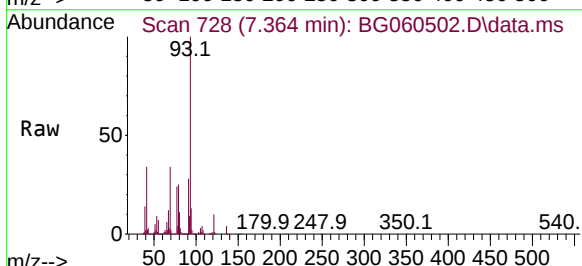
Tgt Ion: 93 Resp: 722184

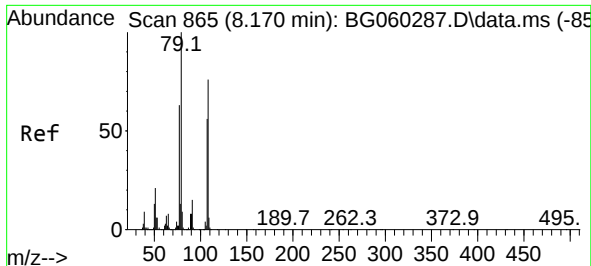
Ion Ratio Lower Upper

93 100

63 1.6 59.3 99.3#

95 1.9 12.8 52.8#

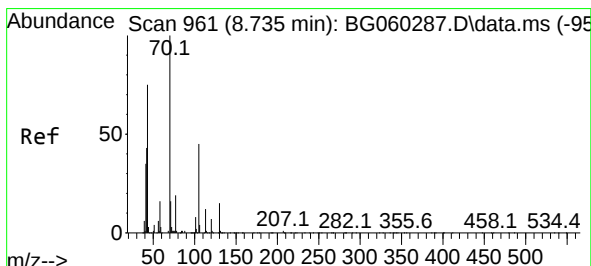
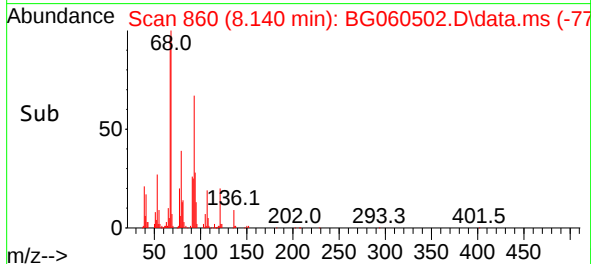
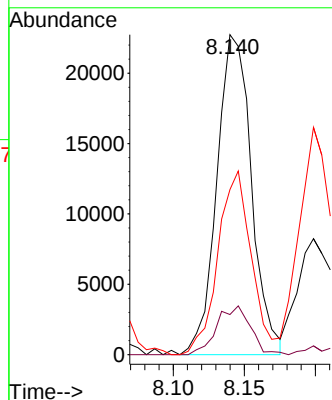
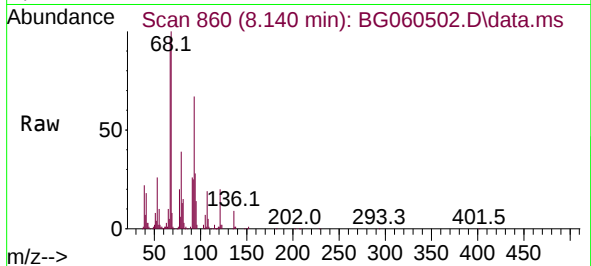




#15
Benzyl Alcohol
Concen: 3.230 ng
RT: 8.140 min Scan# 80
Delta R.T. -0.031 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

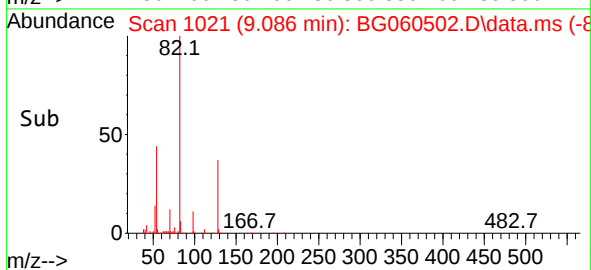
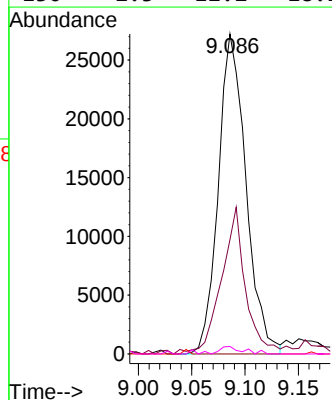
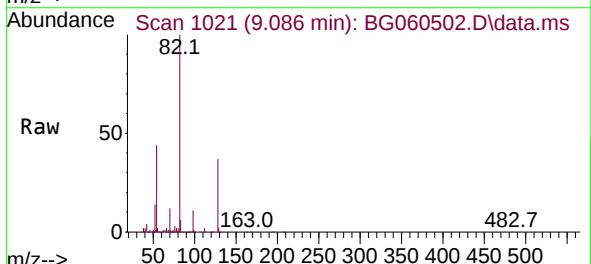
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TP-37

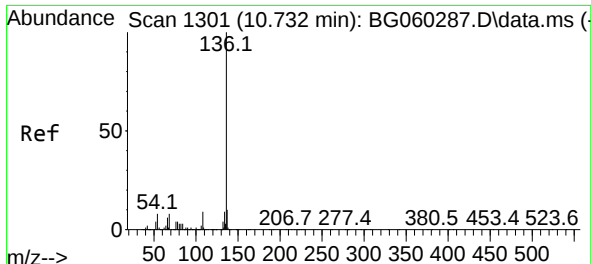
Tgt Ion: 79 Resp: 38509
Ion Ratio Lower Upper
79 100
108 12.5 61.2 91.8#
77 51.6 50.3 75.5



#19
n-Nitroso-di-n-propylamine
Concen: 3.860 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.351 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion: 70 Resp: 49204
Ion Ratio Lower Upper
70 100
42 35.7 34.3 51.5
101 0.0 6.2 9.2#
130 2.3 12.2 18.2#

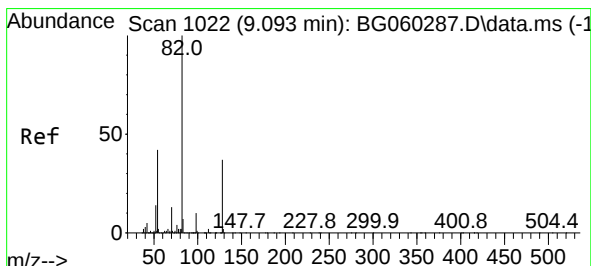
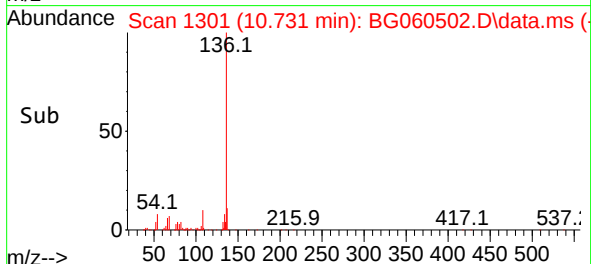
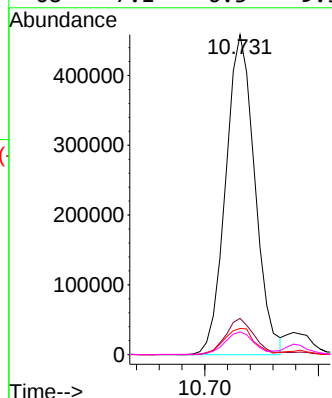
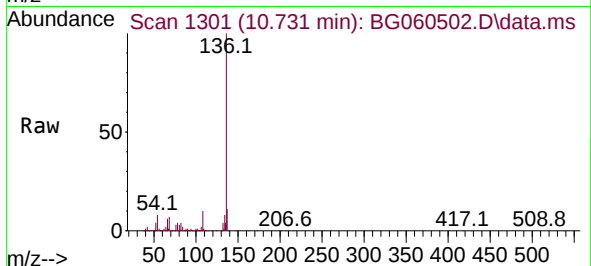




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

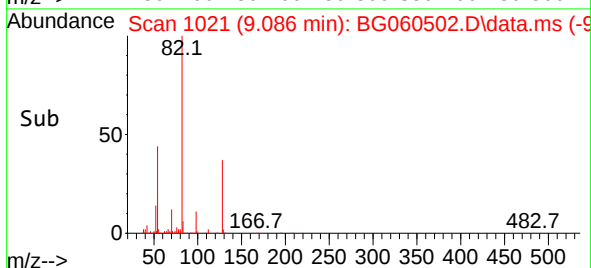
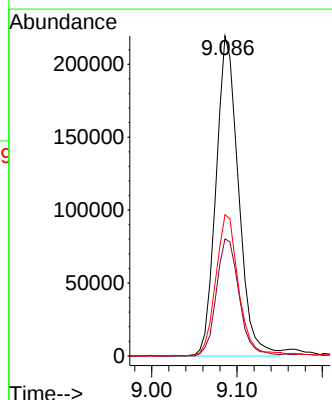
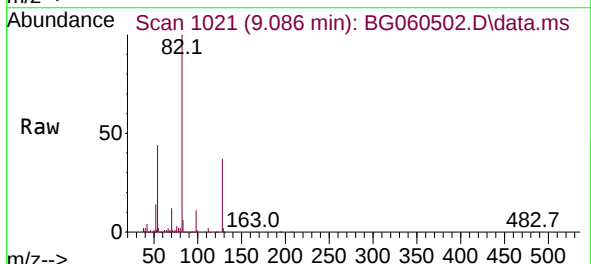
Instrument :
BNA_G
ClientSampleId :
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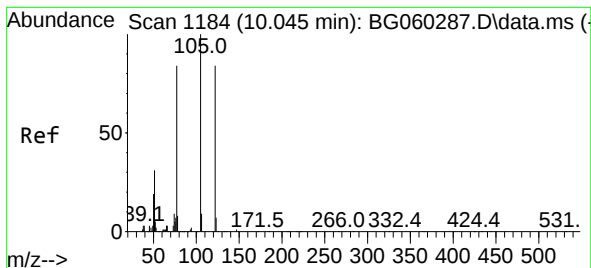
Tgt Ion:	136	Resp:	815794
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.2	12.4
54	8.2	6.2	9.2
68	7.1	6.3	9.5



#23
Nitrobenzene-d5
Concen: 23.226 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:	82	Resp:	401265
Ion Ratio	Lower	Upper	
82	100		
128	36.6	29.6	44.4
54	44.1	33.6	50.4





#32

Benzoic acid

Concen: 10.281 ng

RT: 10.055 min Scan# 1184

Delta R.T. 0.010 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

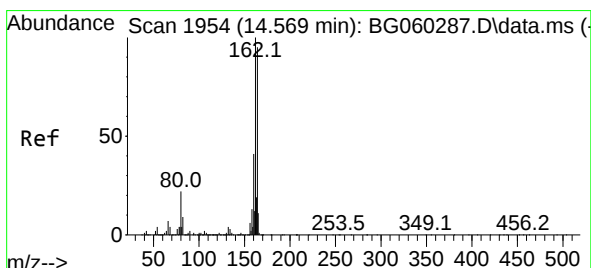
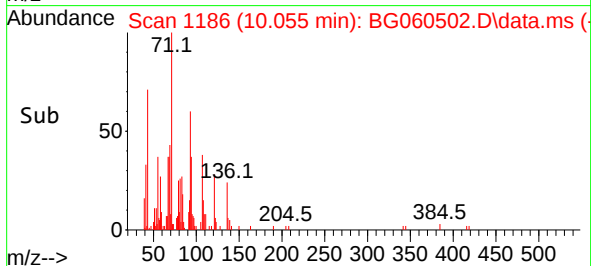
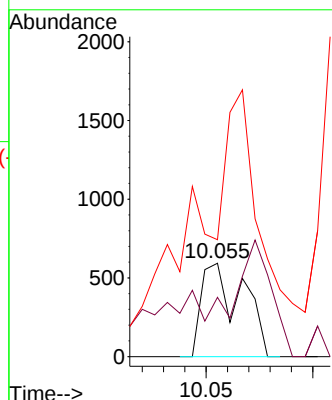
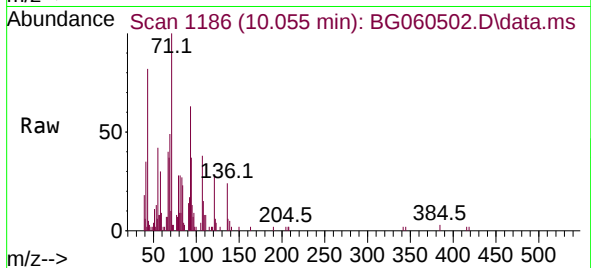
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	122	Resp:	785
Ion Ratio	Lower	Upper	
122	100		
105	63.6	96.0	136.0#
77	125.3	80.1	120.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

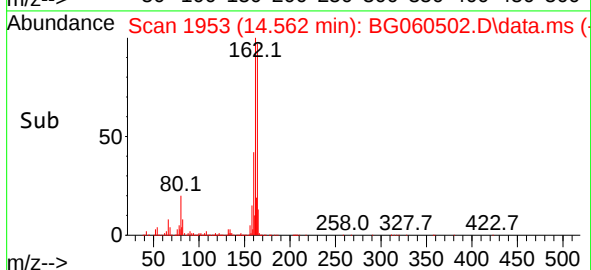
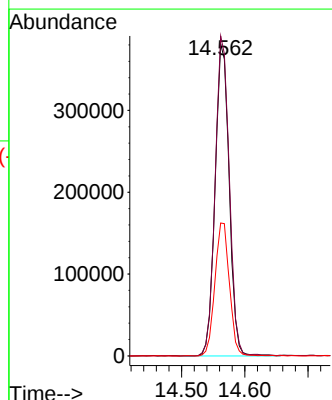
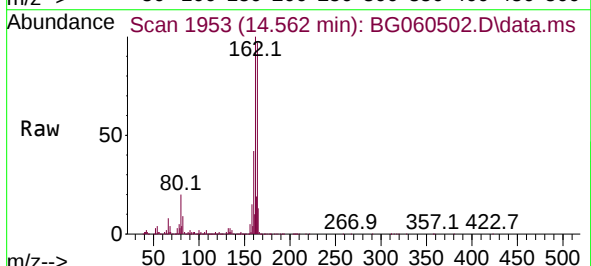
RT: 14.562 min Scan# 1953

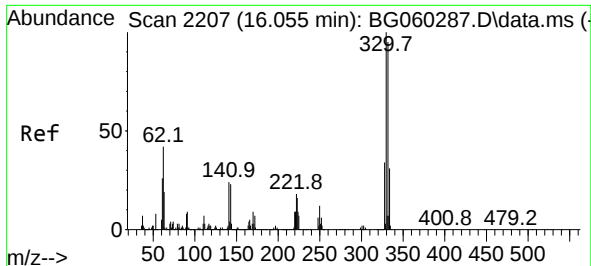
Delta R.T. -0.007 min

Lab File: BG060502.D

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Tgt Ion:	164	Resp:	591372
Ion Ratio	Lower	Upper	
164	100		
162	102.7	84.4	126.6
160	42.6	34.6	52.0

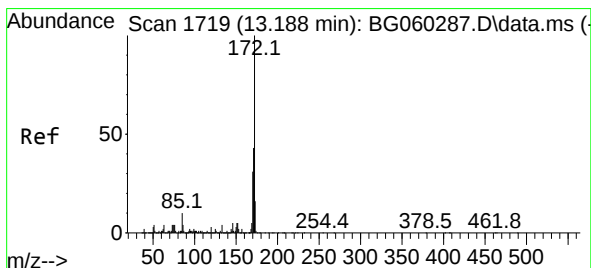
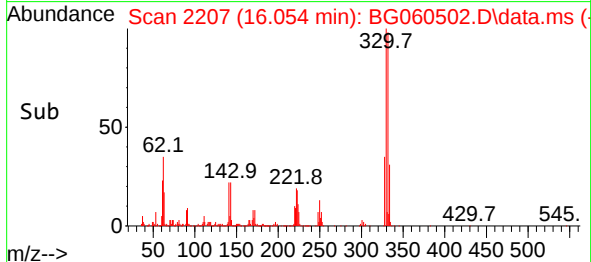
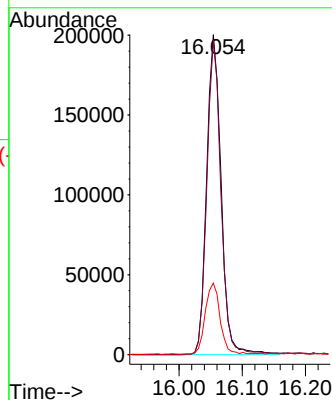
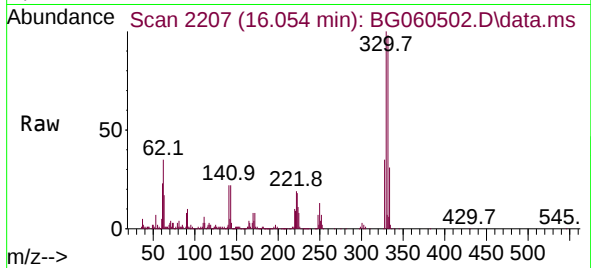




#42
2,4,6-Tribromophenol
Concen: 36.539 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

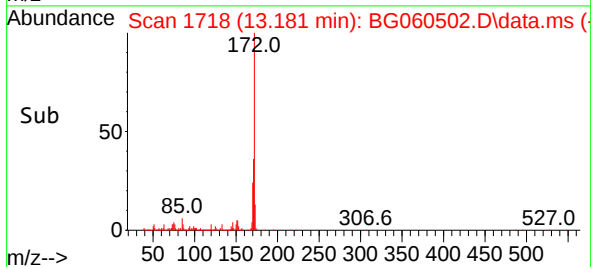
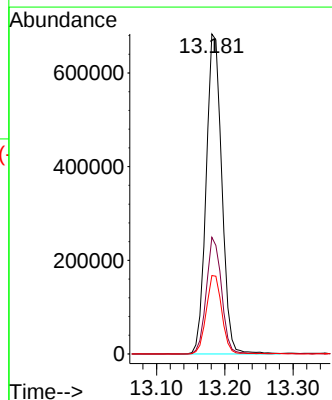
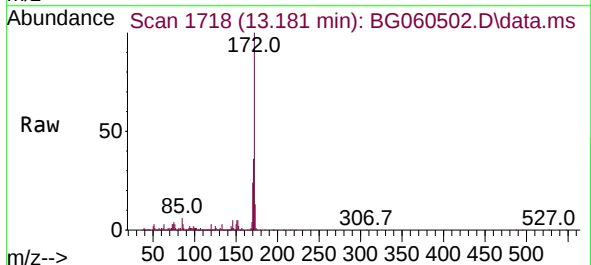
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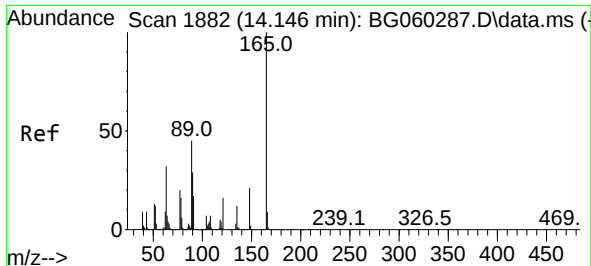
Tgt Ion:330 Resp: 317917
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 22.7 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 25.598 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.007 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:172 Resp: 1088797
Ion Ratio Lower Upper
172 100
171 36.4 34.6 51.8
170 24.5 24.4 36.6

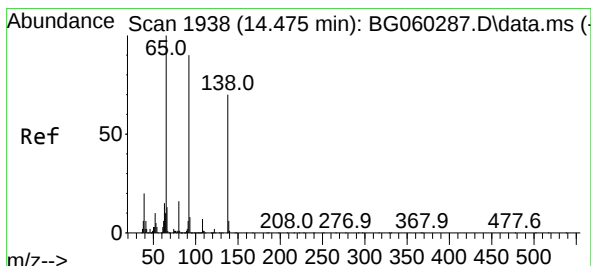
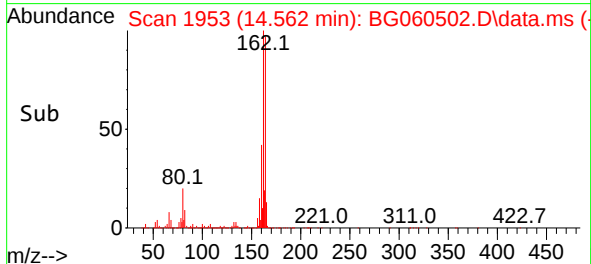
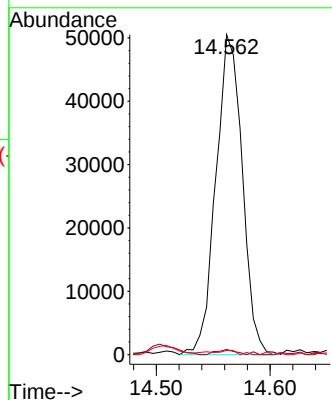
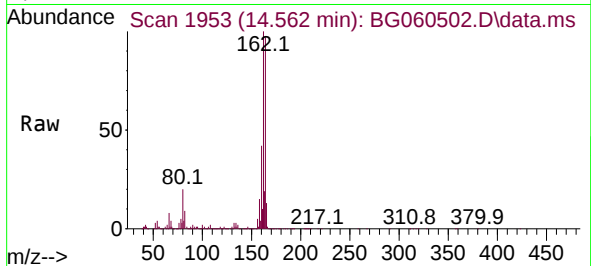




#51
2,6-Dinitrotoluene
Concen: 8.437 ng
RT: 14.562 min Scan# 1953
Delta R.T. 0.416 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

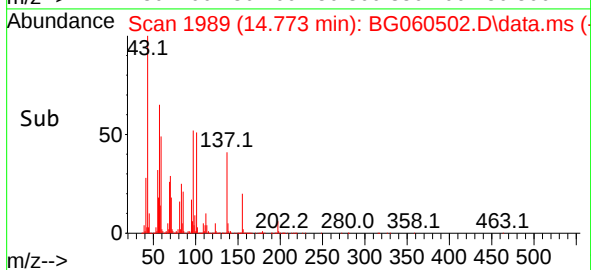
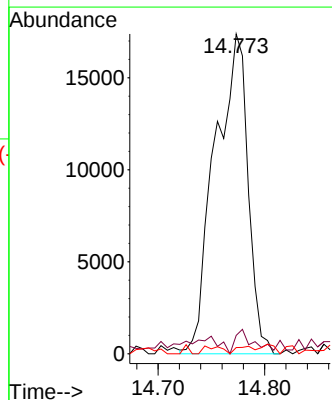
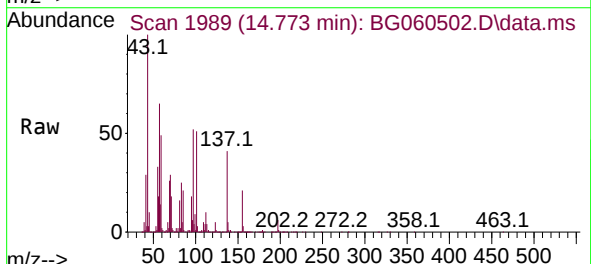
Instrument :
BNA_G
ClientSampleId :
TP-37

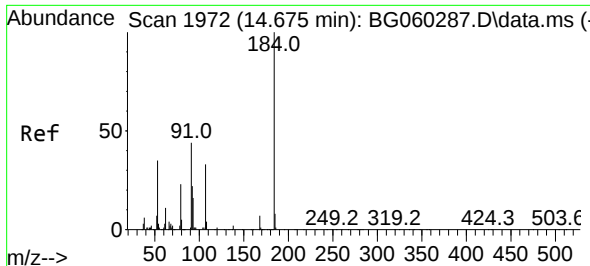
Tgt Ion:165 Resp: 81363
Ion Ratio Lower Upper
165 100
63 1.6 35.0 52.4#
89 1.3 36.2 54.2#



#53
3-Nitroaniline
Concen: 4.253 ng
RT: 14.773 min Scan# 1989
Delta R.T. 0.298 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:138 Resp: 37373
Ion Ratio Lower Upper
138 100
108 5.8 7.8 11.8#
92 2.0 102.4 153.6#

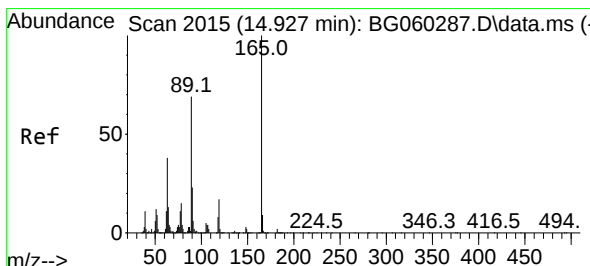
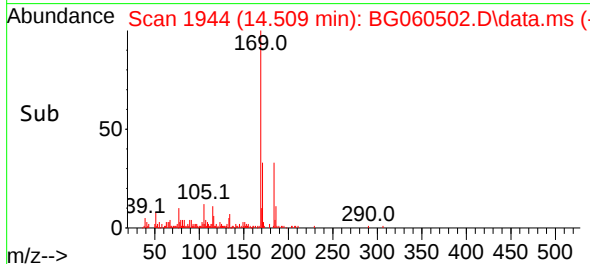
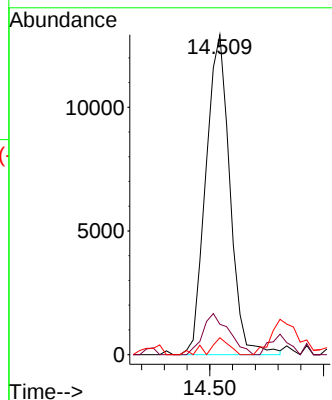
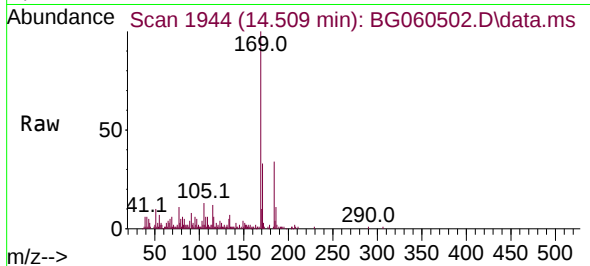




#54
2,4-Dinitrophenol
Concen: 11.488 ng
RT: 14.509 min Scan# 1953
Delta R.T. -0.166 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

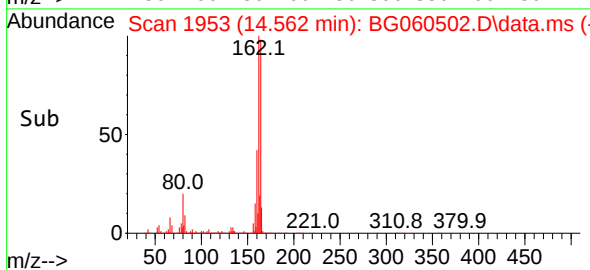
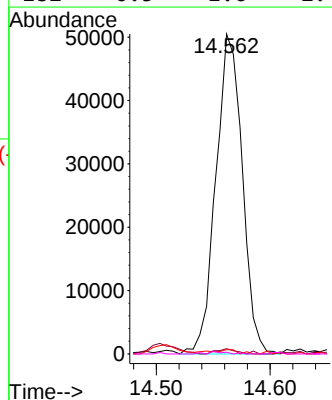
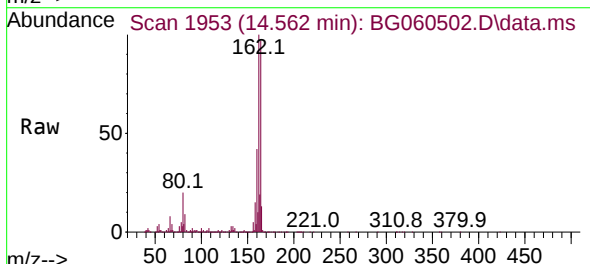
Instrument :
BNA_G
ClientSampleId :
TP-37

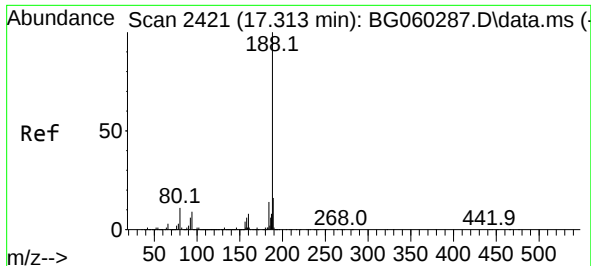
Tgt Ion:184 Resp: 19000
Ion Ratio Lower Upper
184 100
63 9.5 41.0 61.4#
154 5.3 39.2 58.8#



#57
2,4-Dinitrotoluene
Concen: 6.153 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.365 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:165 Resp: 81363
Ion Ratio Lower Upper
165 100
63 1.6 30.4 45.6#
89 1.3 55.4 83.0#
182 0.5 1.6 2.4#

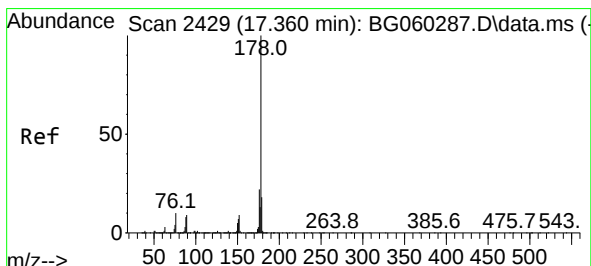
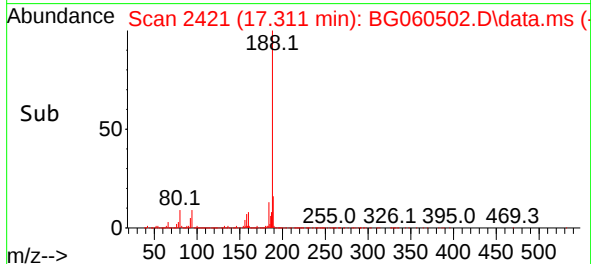
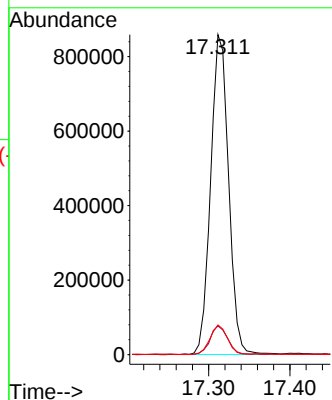
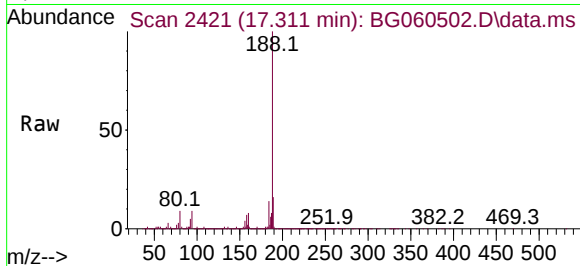




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.311 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

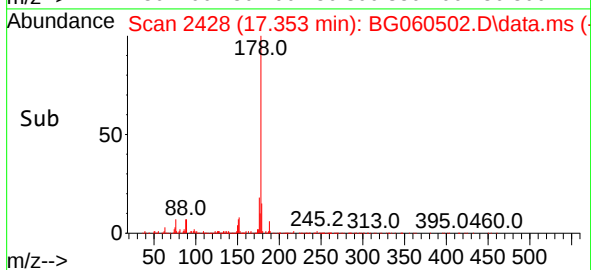
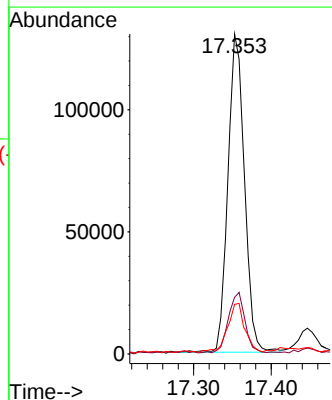
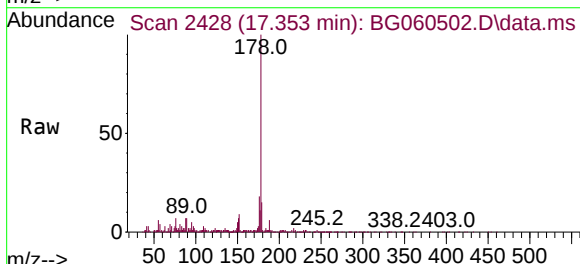
Instrument :
BNA_G
ClientSampleId :
TP-37

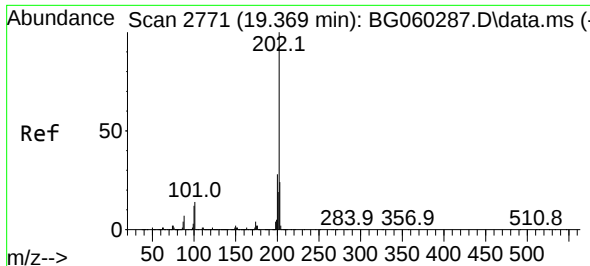
Tgt Ion:188 Resp: 1319721
Ion Ratio Lower Upper
188 100
94 9.0 7.1 10.7
80 9.3 8.5 12.7



#71
Phenanthrene
Concen: 3.040 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:178 Resp: 193947
Ion Ratio Lower Upper
178 100
176 17.7 17.4 26.2
179 15.5 14.7 22.1

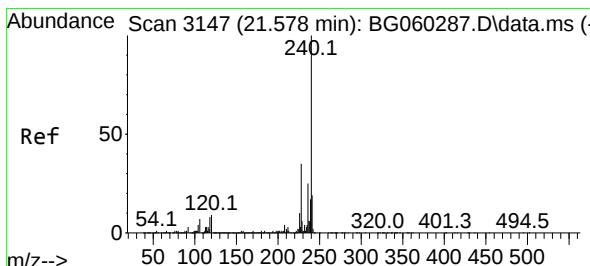
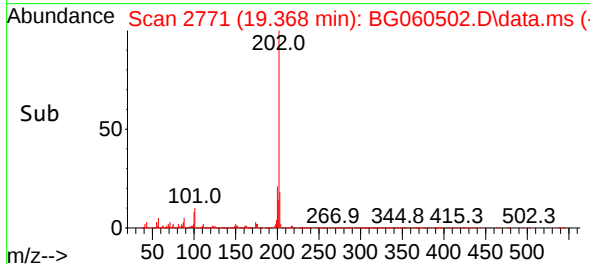
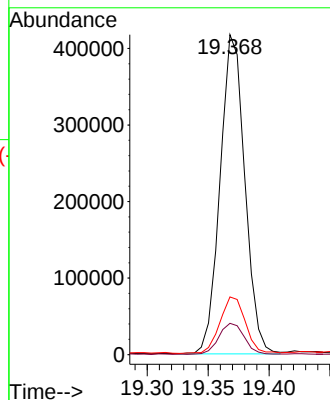
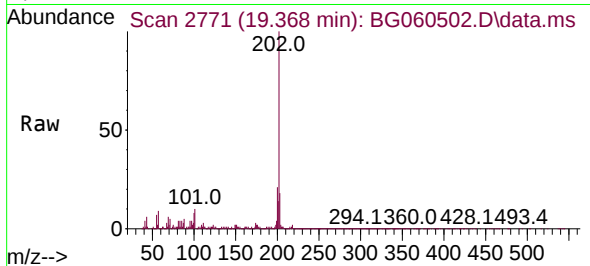




#75
Fluoranthene
Concen: 7.690 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

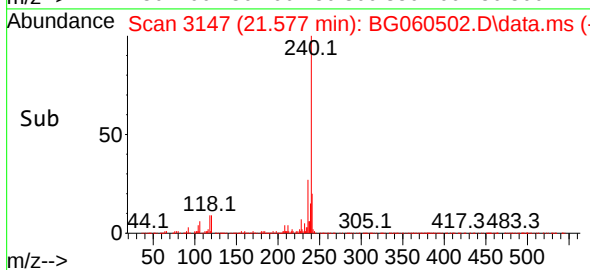
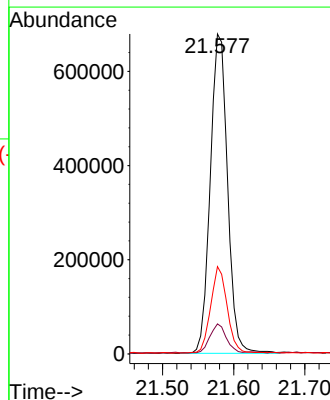
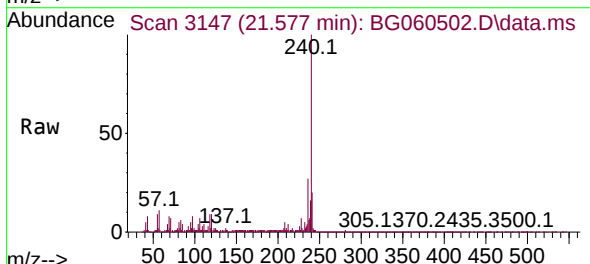
Instrument :
BNA_G
ClientSampleId :
TP-37

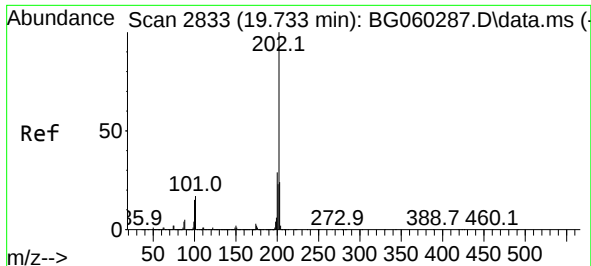
Tgt Ion:202 Resp: 589222
Ion Ratio Lower Upper
202 100
101 9.8 0.0 34.4
203 18.0 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:240 Resp: 1148267
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 27.3 20.3 30.5

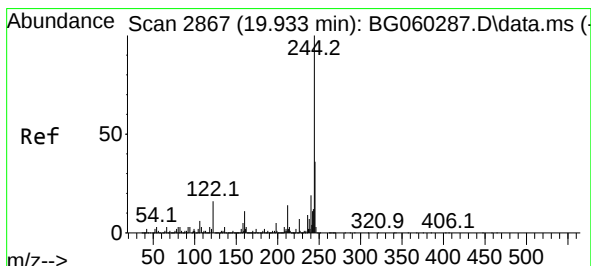
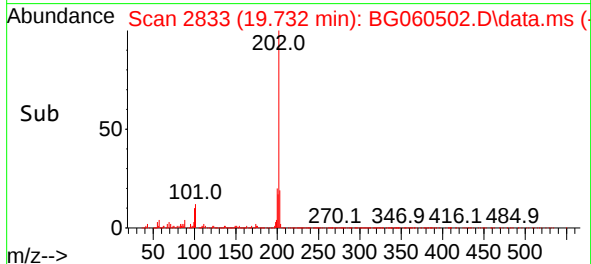
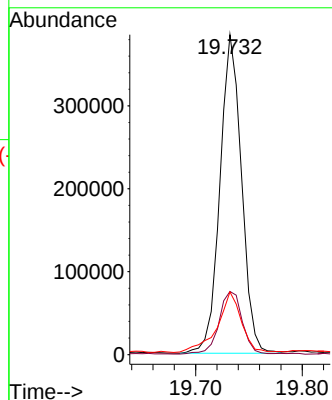
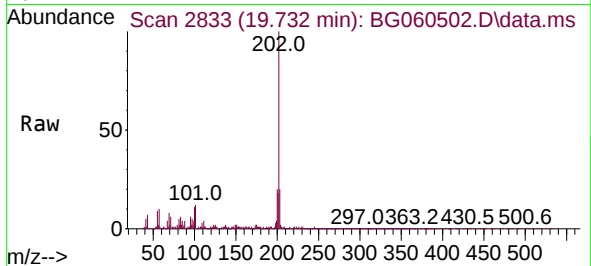




#78
 Pyrene
 Concen: 7.390 ng
 RT: 19.732 min Scan# 2833
 Delta R.T. -0.001 min
 Lab File: BG060502.D
 Acq: 31 Jan 2024 3:26

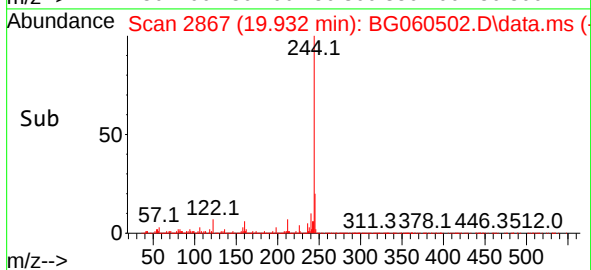
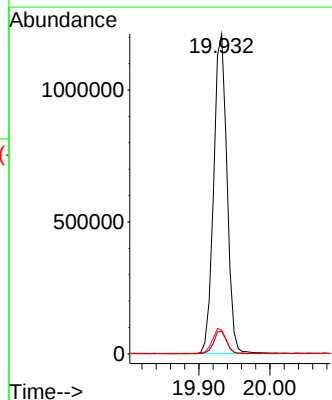
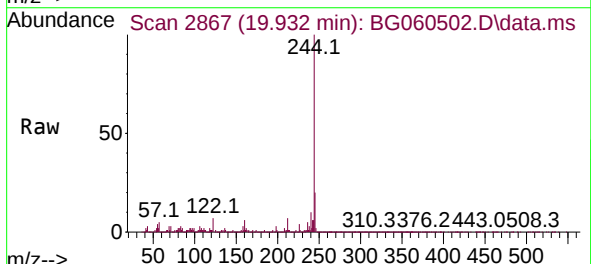
Instrument :
 BNA_G
 ClientSampleId :
 TP-37

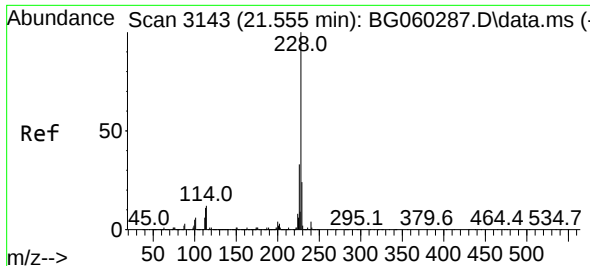
Tgt Ion:202 Resp: 541893
 Ion Ratio Lower Upper
 202 100
 200 19.7 23.5 35.3#
 203 19.6 19.6 29.4#



#79
 Terphenyl-d14
 Concen: 25.385 ng
 RT: 19.932 min Scan# 2867
 Delta R.T. -0.001 min
 Lab File: BG060502.D
 Acq: 31 Jan 2024 3:26

Tgt Ion:244 Resp: 1579413
 Ion Ratio Lower Upper
 244 100
 212 7.1 10.9 16.3#
 122 7.4 12.6 18.8#

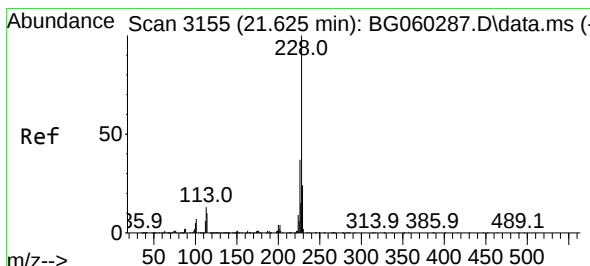
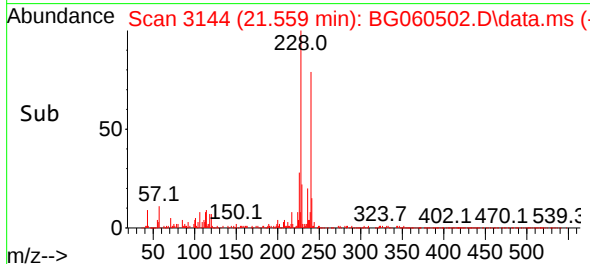
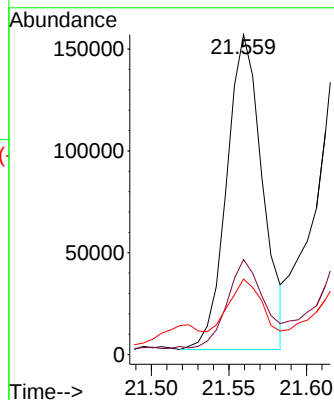
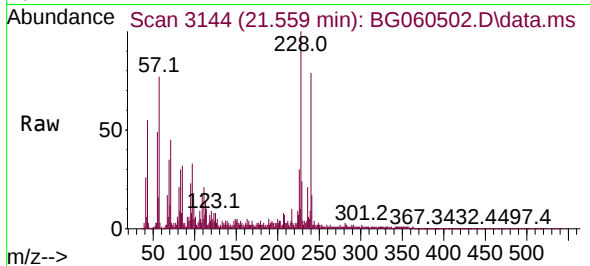




#81
Benzo(a)anthracene
Concen: 3.499 ng
RT: 21.559 min Scan# 3143
Delta R.T. 0.005 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

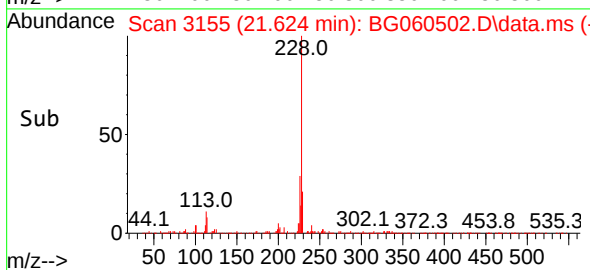
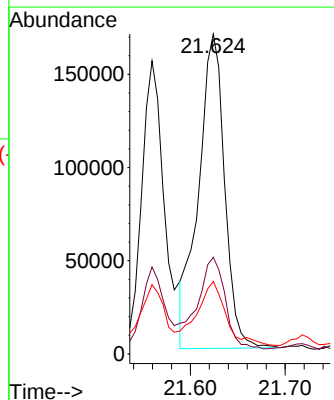
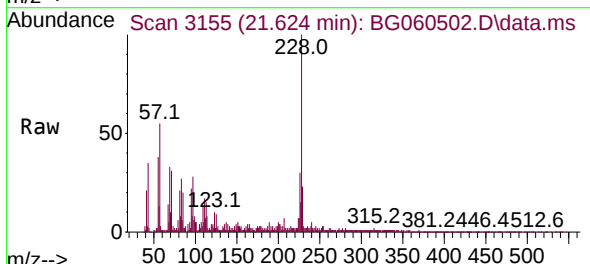
Instrument :
BNA_G
ClientSampleId :
TP-37

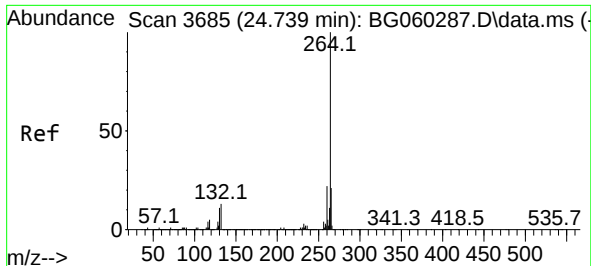
Tgt Ion:228 Resp: 248697
Ion Ratio Lower Upper
228 100
226 29.7 26.2 39.2
229 23.6 19.4 29.2



#83
Chrysene
Concen: 4.642 ng
RT: 21.624 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:228 Resp: 324536
Ion Ratio Lower Upper
228 100
226 30.2 29.4 44.2
229 22.6 19.2 28.8



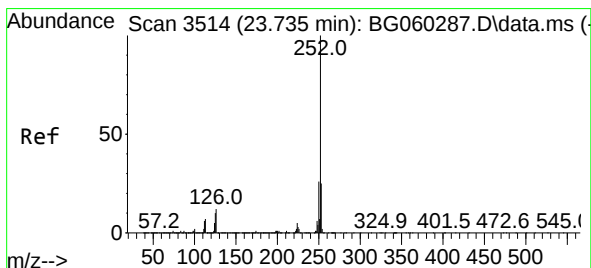
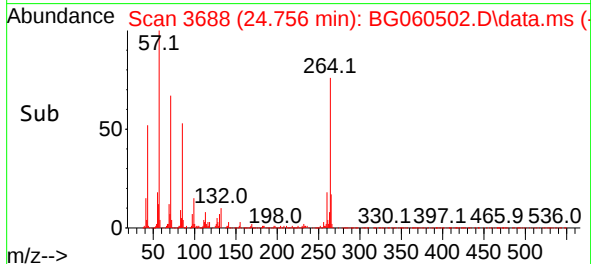
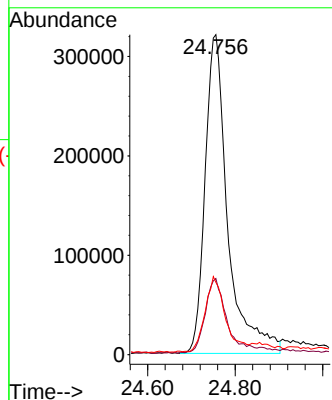
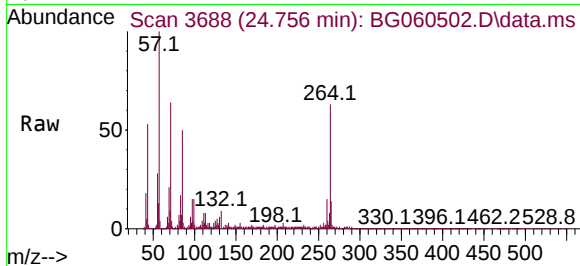


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.756 min Scan# 30
Delta R.T. 0.016 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Instrument :
BNA_G
ClientSampleId :
TP-37

Tgt Ion:264 Resp: 1153682

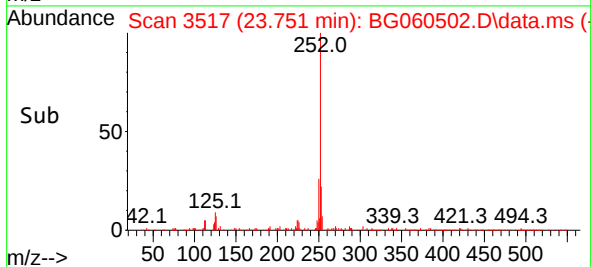
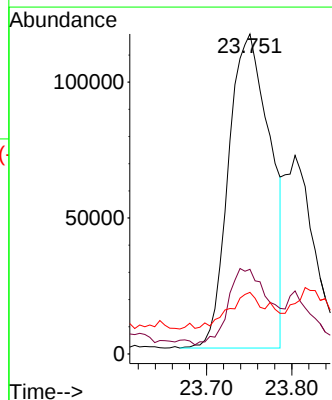
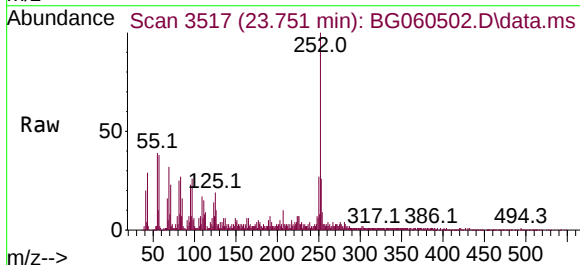
Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.8	26.6
265	22.6	16.8	25.2

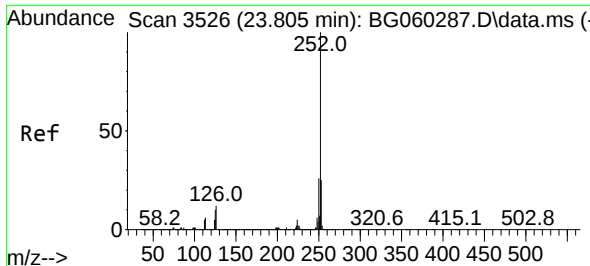


#88
Benzo(b)fluoranthene
Concen: 5.735 ng
RT: 23.751 min Scan# 3517
Delta R.T. 0.016 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:252 Resp: 390871

Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.0	30.0
125	19.2	8.1	12.1

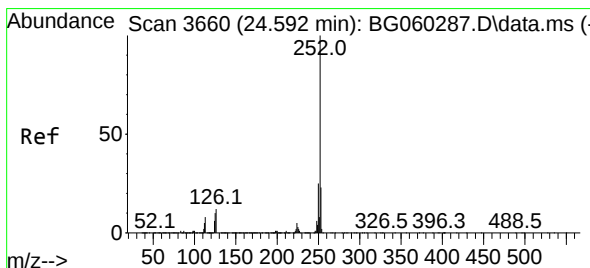
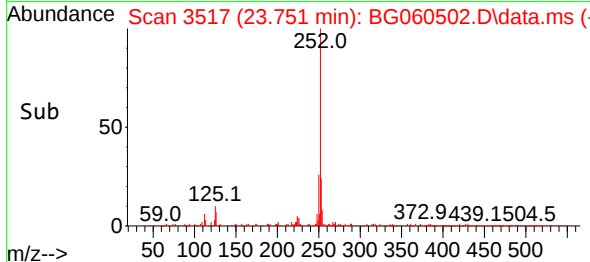
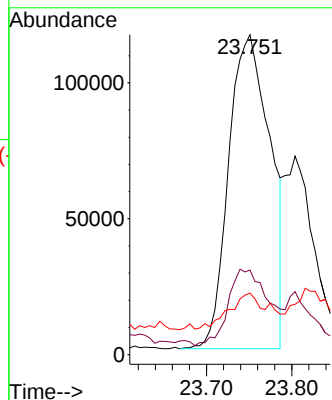
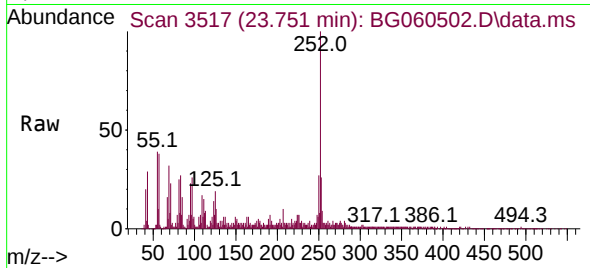




#89
Benzo(k)fluoranthene
Concen: 5.812 ng
RT: 23.751 min Scan# 3517
Delta R.T. -0.054 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

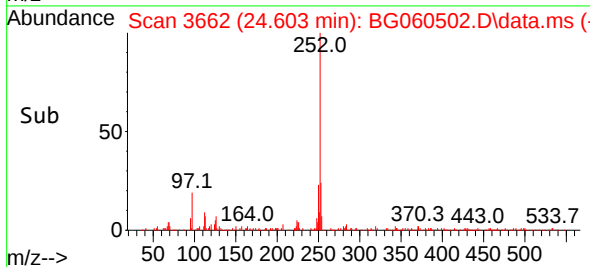
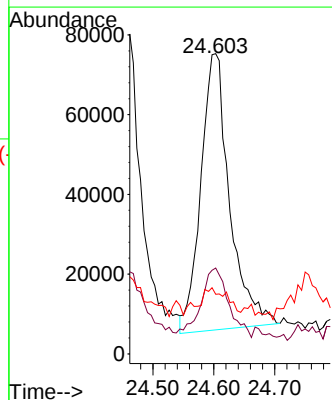
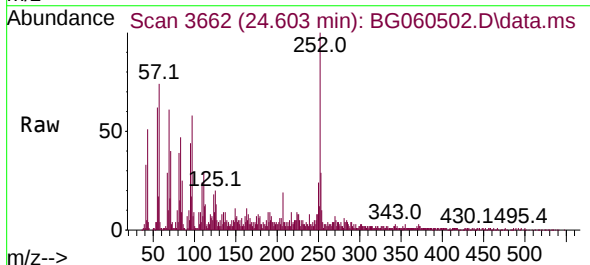
Instrument :
BNA_G
ClientSampleId :
TP-37

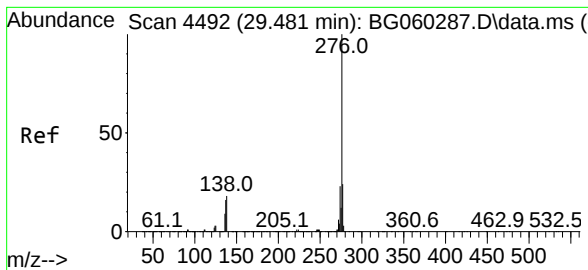
Tgt Ion:252 Resp: 390871
Ion Ratio Lower Upper
252 100
253 26.4 19.6 29.4
125 19.2 8.2 12.2#



#90
Benzo(a)pyrene
Concen: 3.702 ng
RT: 24.603 min Scan# 3662
Delta R.T. 0.011 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:252 Resp: 227929
Ion Ratio Lower Upper
252 100
253 28.6 18.1 27.1#
125 19.9 8.1 12.1#





#92
 Benzo(g,h,i)perylene
 Concen: 2.073 ng
 RT: 29.497 min Scan# 44
 Delta R.T. 0.016 min
 Lab File: BG060502.D
 Acq: 31 Jan 2024 3:26

Instrument :
 BNA_G
 ClientSampleId :
 TP-37

Tgt Ion:276 Resp: 139173
 Ion Ratio Lower Upper
 276 100
 277 31.8 19.4 29.0#
 138 24.1 14.2 21.4#

