

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
 Data File : BG064920.D
 Acq On : 10 Dec 2025 14:27
 Operator : RC/JU
 Sample : Q3814-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Dec 10 15:10:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

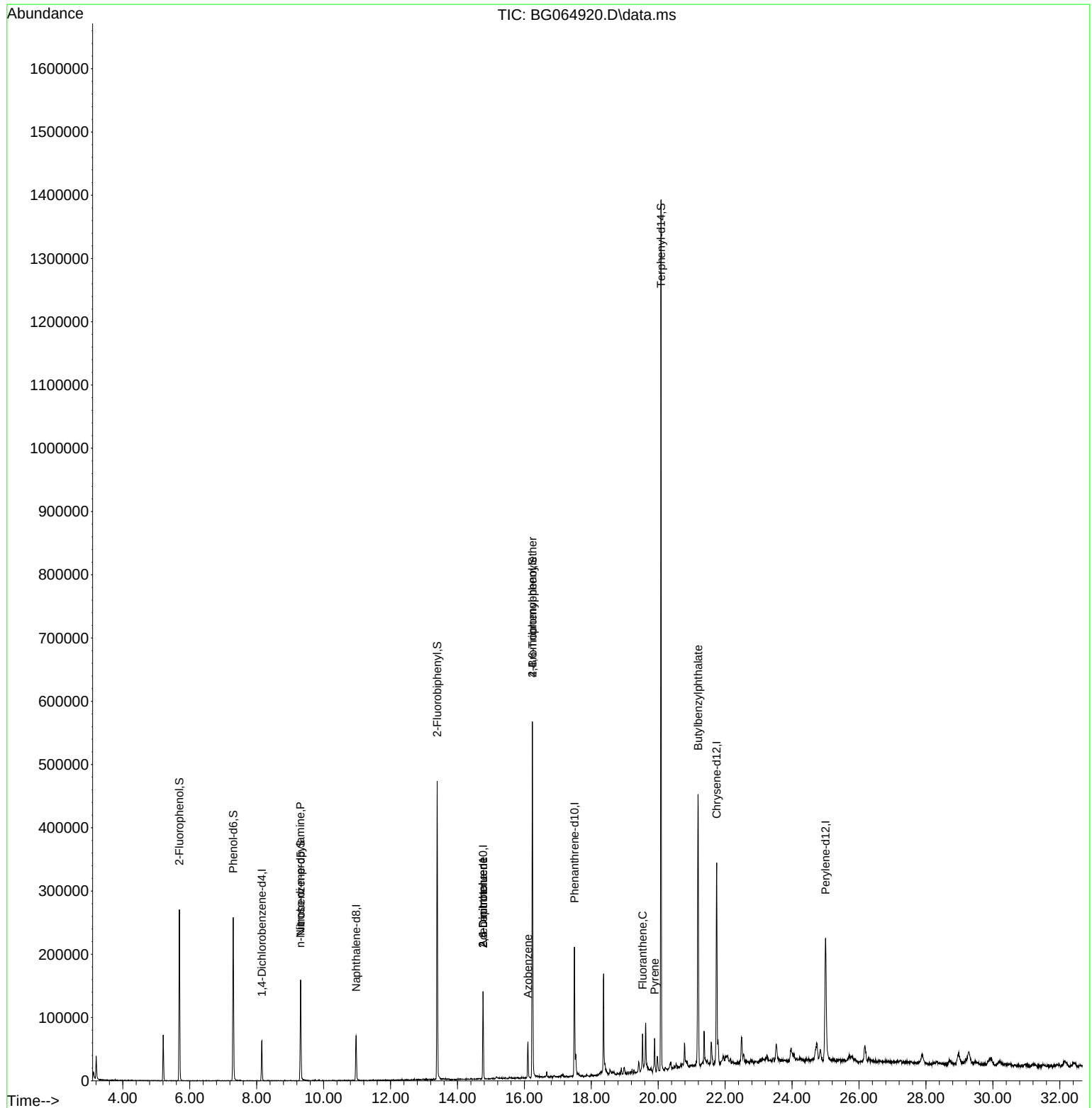
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	18628	20.000	ng	#-0.01
21) Naphthalene-d8	10.970	136	67021	20.000	ng	#-0.02
39) Acenaphthene-d10	14.765	164	54708	20.000	ng	-0.01
64) Phenanthrene-d10	17.497	188	142158	20.000	ng	# 0.00
76) Chrysene-d12	21.745	240	223082	20.000	ng	#-0.01
86) Perylene-d12	24.995	264	248276	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	108522	101.730	ng	0.00
7) Phenol-d6	7.298	99	137736	97.076	ng	-0.01
23) Nitrobenzene-d5	9.313	82	92109	67.951	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	150354	140.916	ng	-0.01
45) 2-Fluorobiphenyl	13.396	172	261883	66.794	ng	-0.01
79) Terphenyl-d14	20.083	244	747263	65.892	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.307	70	12565	13.097	ng	# 68
51) 2,6-Dinitrotoluene	14.765	165	7062	8.492	ng	# 21
57) 2,4-Dinitrotoluene	14.765	165	7062	5.665	ng	# 24
63) Azobenzene	16.105	77	16897	4.907	ng	# 1
67) 4-Bromophenyl-phenylether	16.240	248	8364	4.480	ng	# 1
75) Fluoranthene	19.530	202	38025	3.575	ng	99
78) Pyrene	19.889	202	35219	2.817	ng	98
80) Butylbenzylphthalate	21.187	149	91407	20.785	ng	# 26

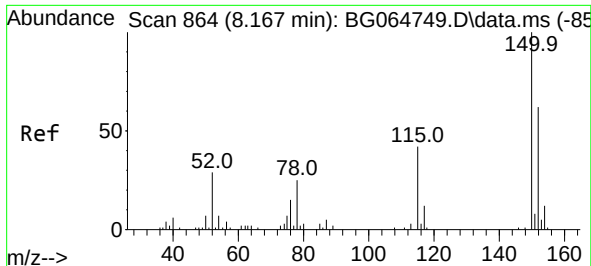
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
Data File : BG064920.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-5

Quant Time: Dec 10 15:10:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

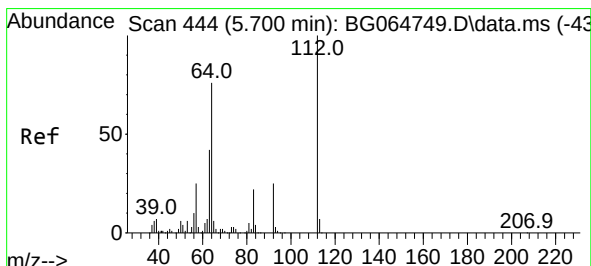
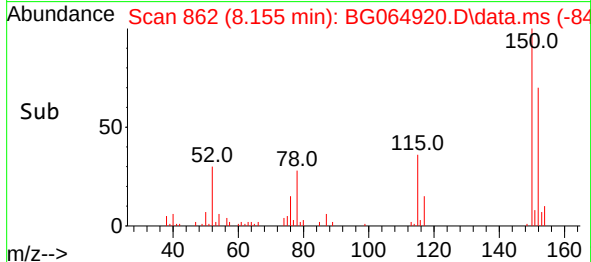
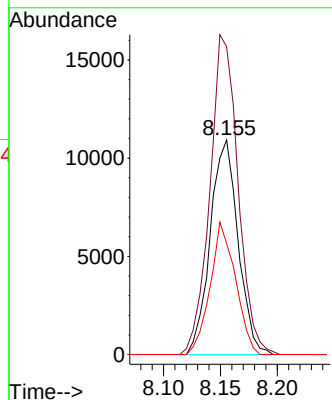
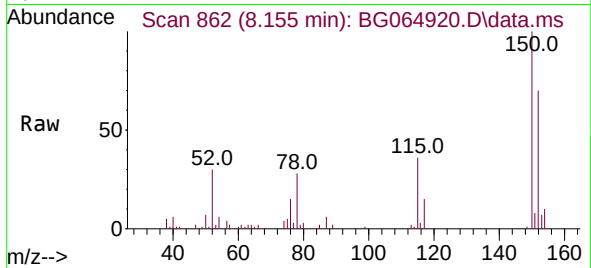




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.155 min Scan# 864
 Delta R.T. -0.012 min
 Lab File: BG064920.D
 Acq: 10 Dec 2025 14:27

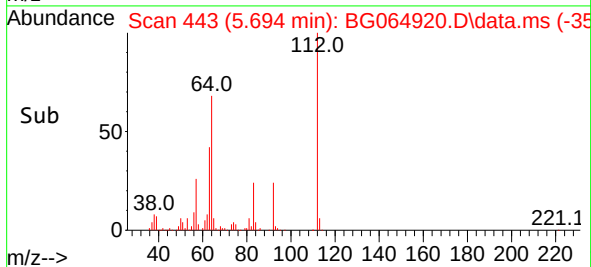
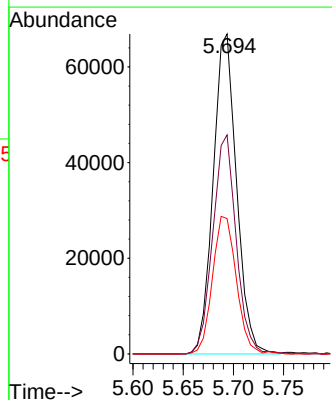
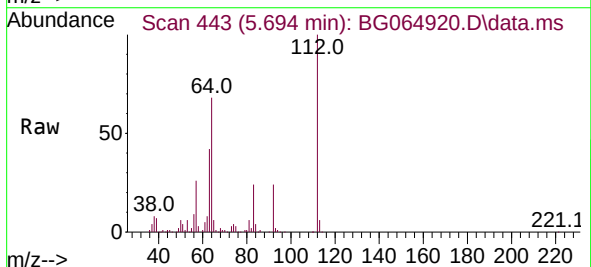
Instrument :
 BNA_G
 ClientSampleId :
 TP-5

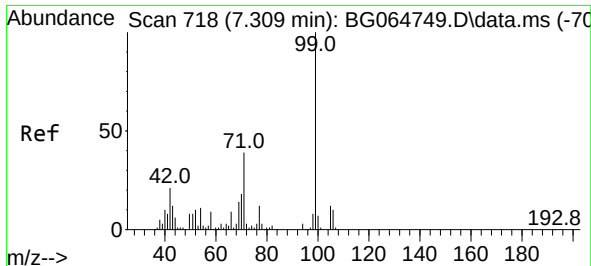
Tgt Ion:152 Resp: 18628
 Ion Ratio Lower Upper
 152 100
 150 143.5 129.2 193.8
 115 51.8 53.7 80.5#



#5
 2-Fluorophenol
 Concen: 101.730 ng
 RT: 5.694 min Scan# 443
 Delta R.T. -0.006 min
 Lab File: BG064920.D
 Acq: 10 Dec 2025 14:27

Tgt Ion:112 Resp: 108522
 Ion Ratio Lower Upper
 112 100
 64 68.4 61.0 91.4
 63 42.3 33.3 49.9

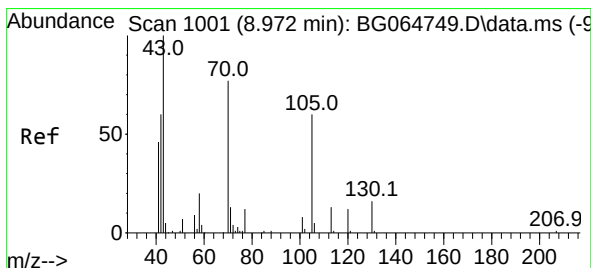
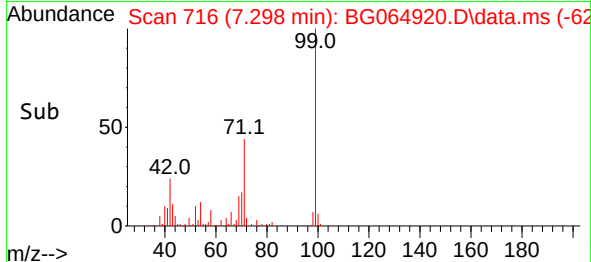
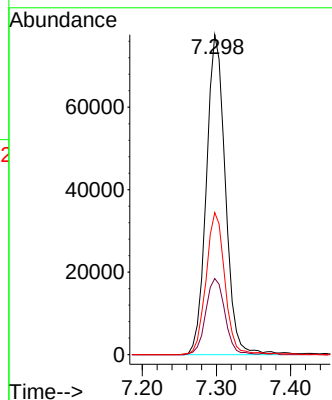
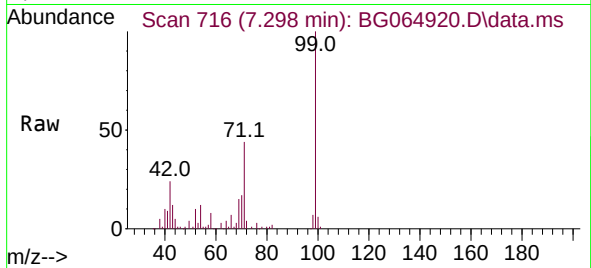




#7
Phenol-d6
Concen: 97.076 ng
RT: 7.298 min Scan# 718
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

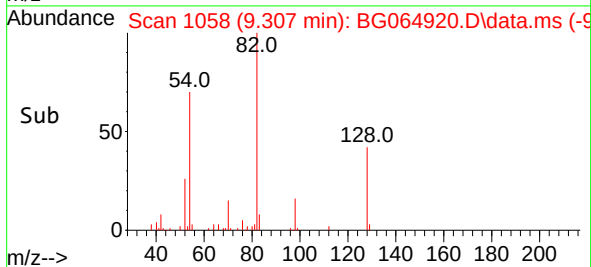
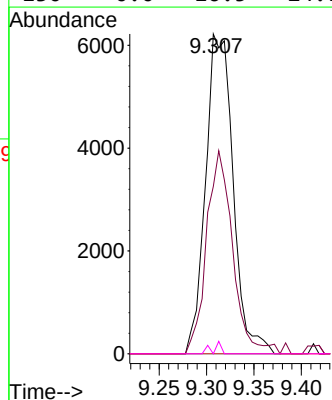
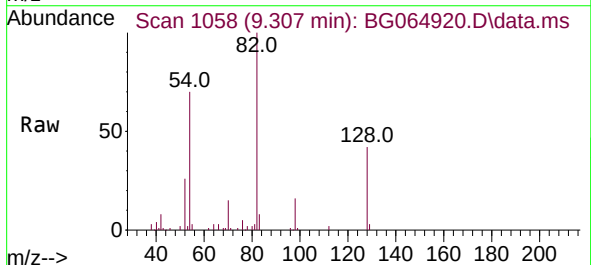
Instrument :
BNA_G
ClientSampleId :
TP-5

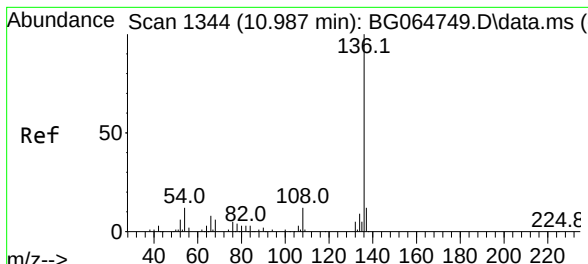
Tgt Ion: 99 Resp: 137736
Ion Ratio Lower Upper
99 100
42 23.8 16.8 25.2
71 44.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.097 ng
RT: 9.307 min Scan# 1058
Delta R.T. 0.335 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Tgt Ion: 70 Resp: 12565
Ion Ratio Lower Upper
70 100
42 52.3 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

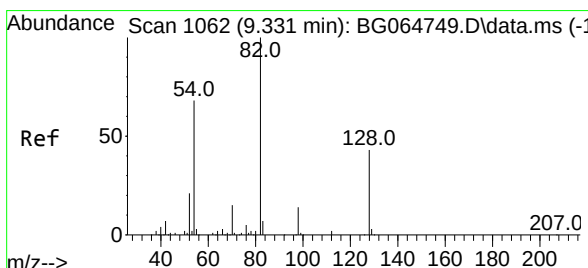
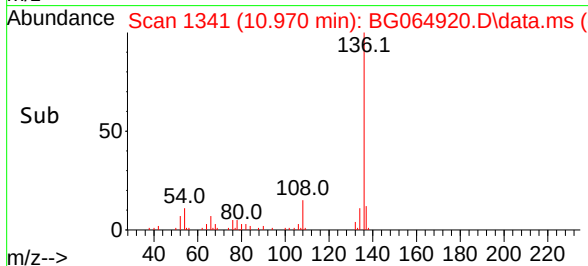
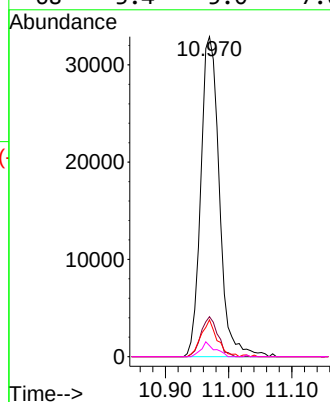
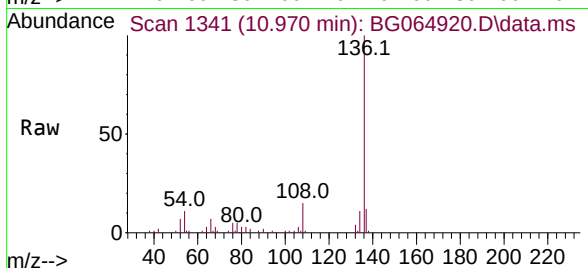




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 1344
Delta R.T. -0.017 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

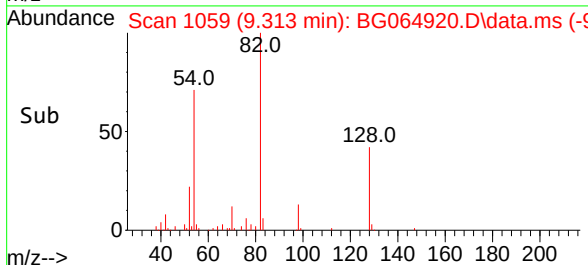
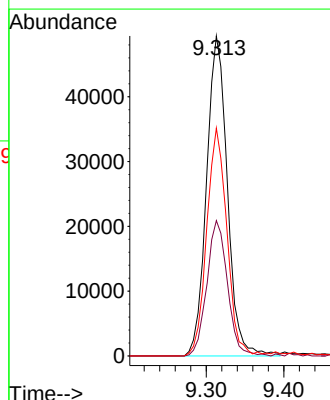
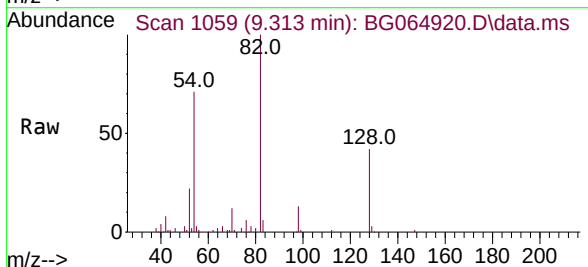
Instrument :
BNA_G
ClientSampleId :
TP-5

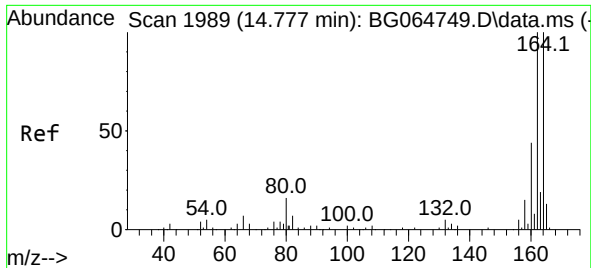
Tgt Ion:136	Resp:	67021
Ion Ratio	Lower	Upper
136	100	
137	12.5	9.3 13.9
54	11.5	9.3 13.9
68	3.4	5.0 7.6



#23
Nitrobenzene-d5
Concen: 67.951 ng
RT: 9.313 min Scan# 1059
Delta R.T. -0.018 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Tgt Ion: 82	Resp:	92109
Ion Ratio	Lower	Upper
82	100	
128	42.3	34.1 51.1
54	71.2	54.3 81.5

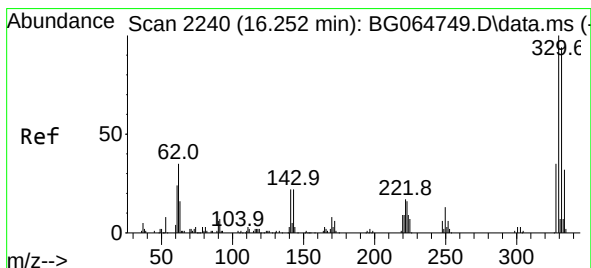
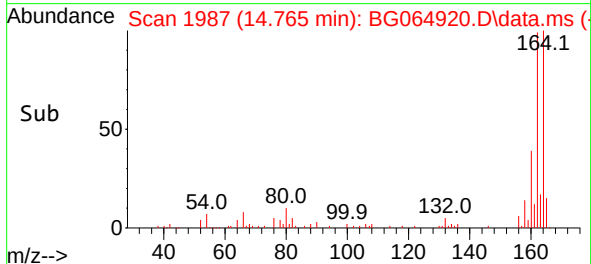
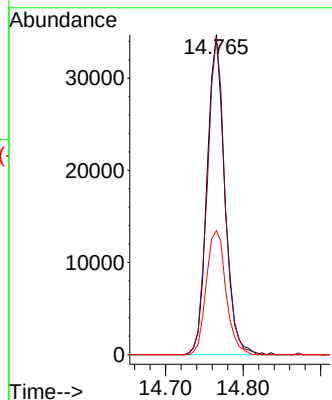
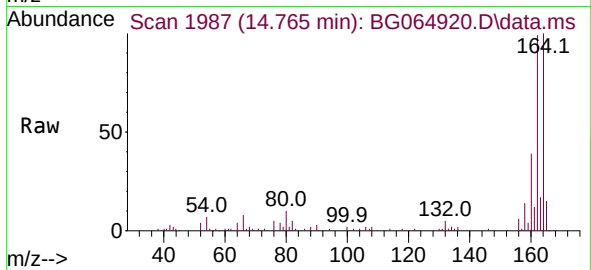




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.765 min Scan# 1989
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

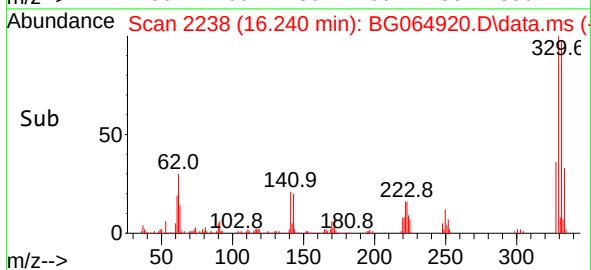
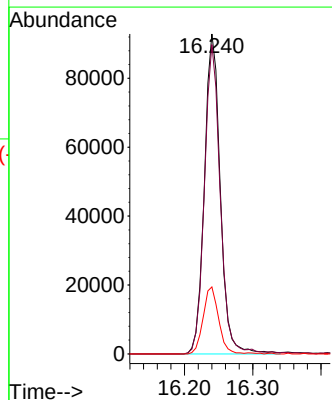
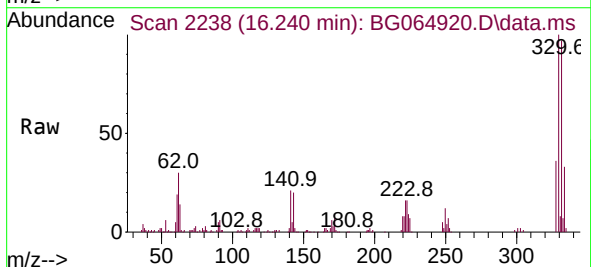
Instrument :
BNA_G
ClientSampleId :
TP-5

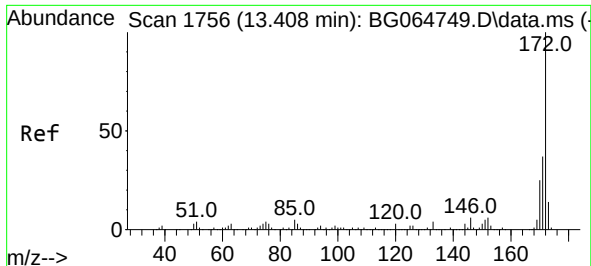
Tgt Ion:164 Resp: 54708
Ion Ratio Lower Upper
164 100
162 99.0 79.8 119.6
160 38.8 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 140.916 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

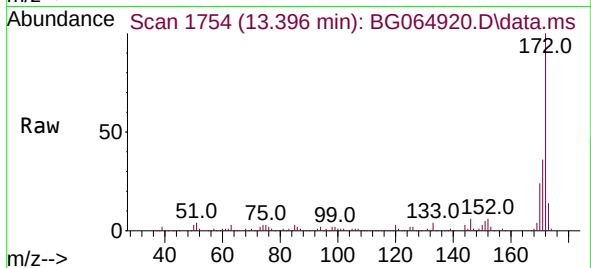
Tgt Ion:330 Resp: 150354
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 20.3 18.2 27.2



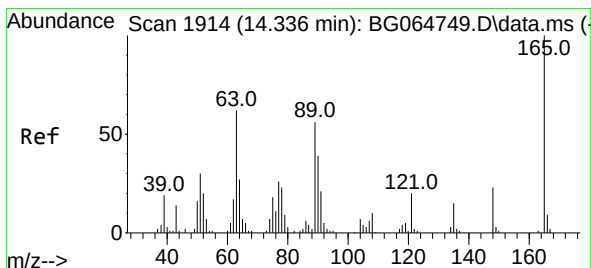
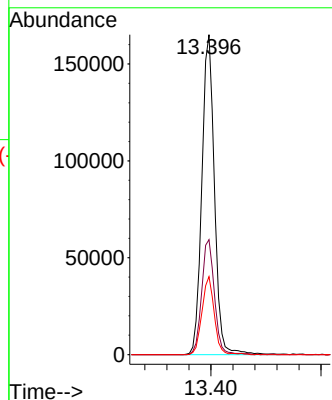
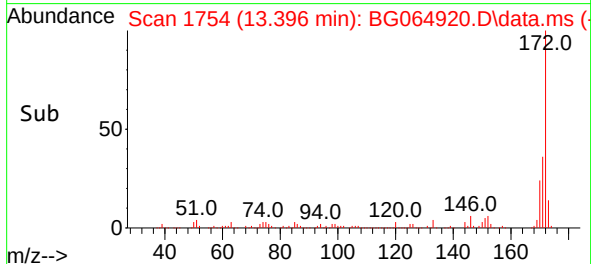


#45
2-Fluorobiphenyl
Concen: 66.794 ng
RT: 13.396 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

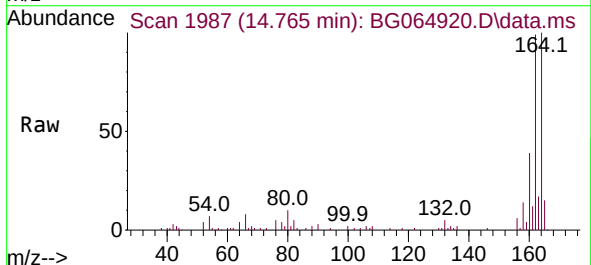
Instrument :
BNA_G
ClientSampleId :
TP-5



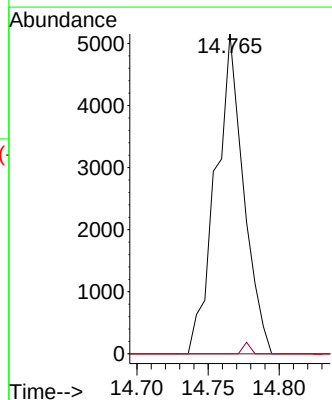
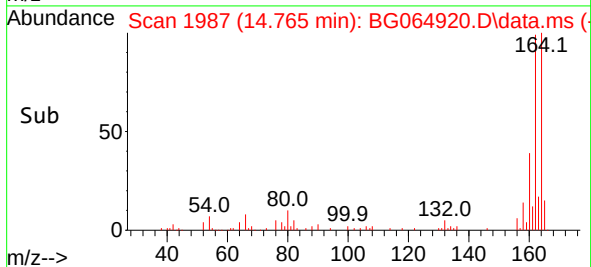
Tgt Ion:172 Resp: 261883
Ion Ratio Lower Upper
172 100
171 35.9 29.9 44.9
170 24.4 19.8 29.6

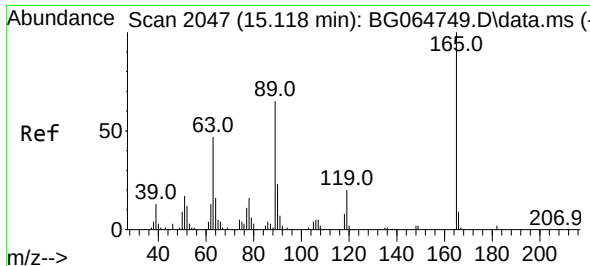


#51
2,6-Dinitrotoluene
Concen: 8.492 ng
RT: 14.765 min Scan# 1987
Delta R.T. 0.429 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27



Tgt Ion:165 Resp: 7062
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

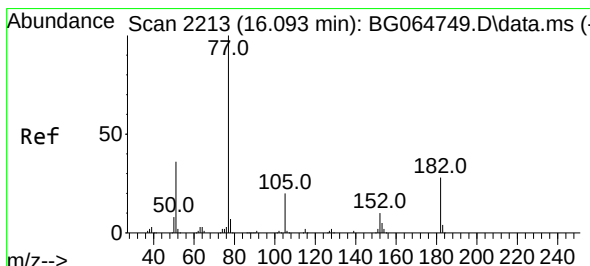
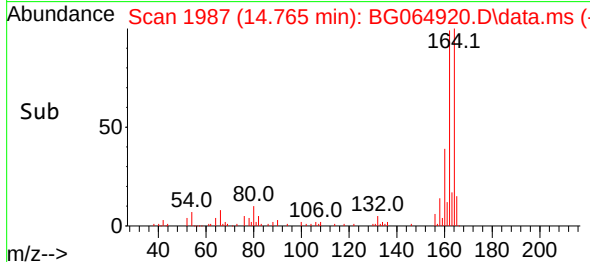
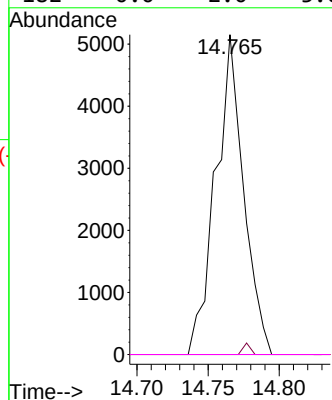
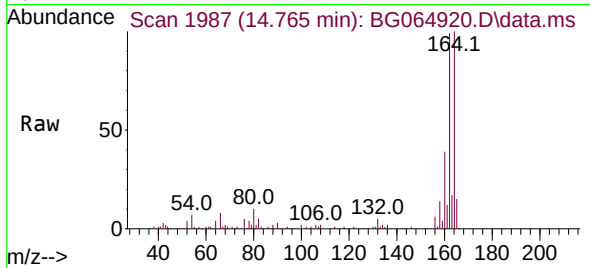




#57
2,4-Dinitrotoluene
Concen: 5.665 ng
RT: 14.765 min Scan# 19
Delta R.T. -0.353 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

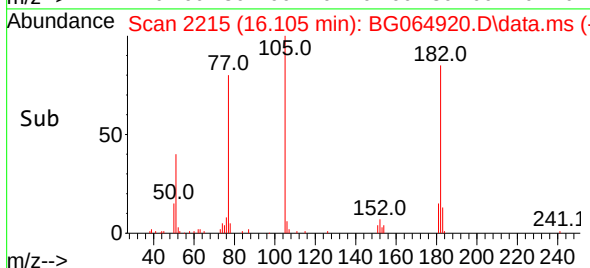
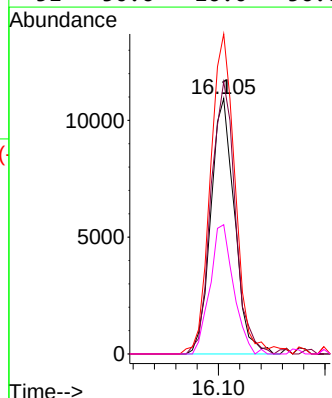
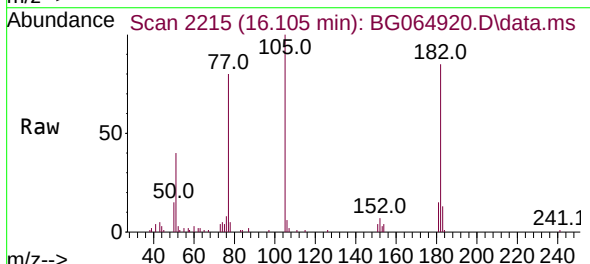
Instrument :
BNA_G
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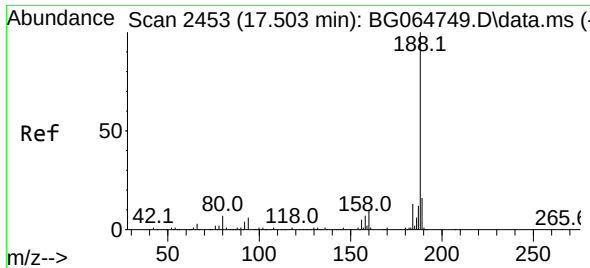
Tgt Ion:165	Resp:	7062
Ion Ratio	Lower	Upper
165	100	
63	0.0	37.8 56.6#
89	0.0	51.6 77.4#
182	0.0	2.0 3.0#



#63
Azobenzene
Concen: 4.907 ng
RT: 16.105 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Tgt Ion: 77	Resp:	16897
Ion Ratio	Lower	Upper
77	100	
182	106.6	8.1 48.1#
105	125.3	0.1 40.1#
51	50.6	16.0 56.0

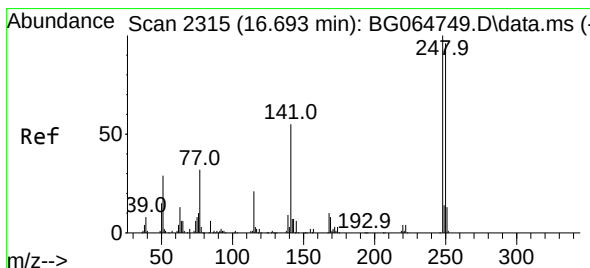
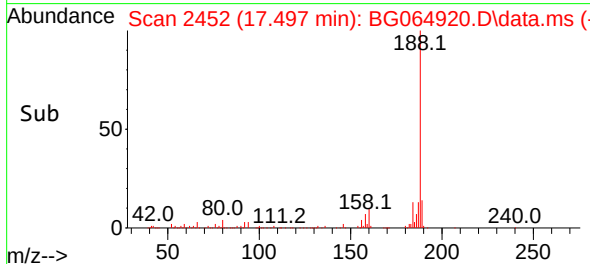
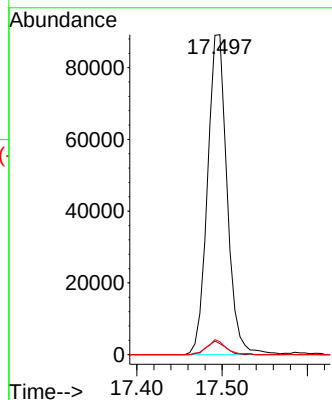
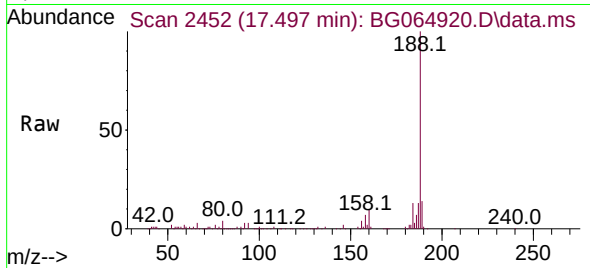




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2453
Delta R.T. -0.006 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

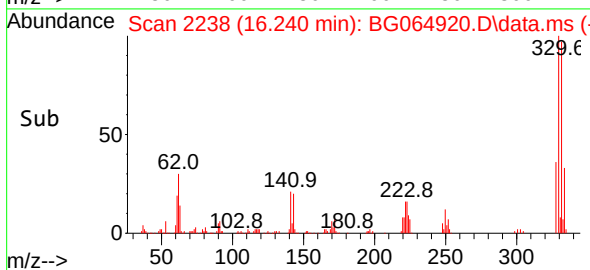
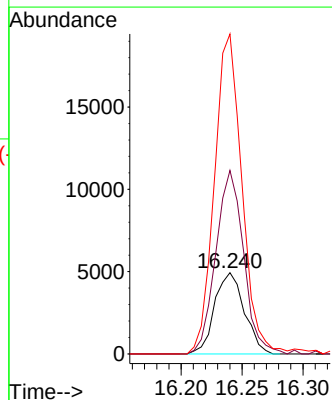
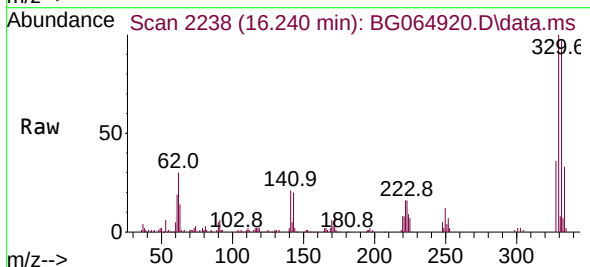
Instrument :
BNA_G
ClientSampleId :
TP-5

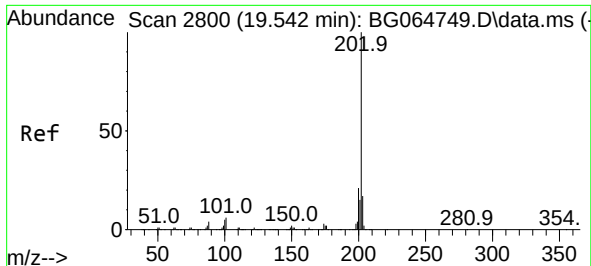
Tgt Ion:188 Resp: 142158
Ion Ratio Lower Upper
188 100
94 3.4 4.7 7.1#
80 4.4 5.4 8.2#



#67
4-Bromophenyl-phenylether
Concen: 4.480 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.452 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Tgt Ion:248 Resp: 8364
Ion Ratio Lower Upper
248 100
250 164.8 77.0 115.6#
141 287.4 43.7 65.5#

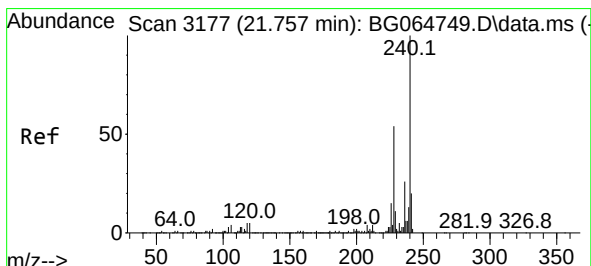
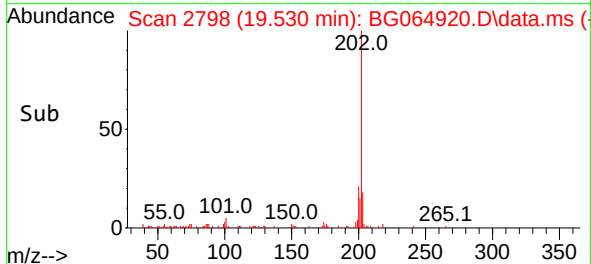
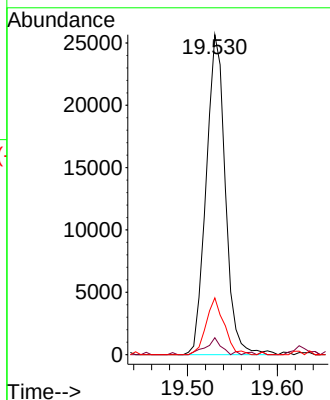
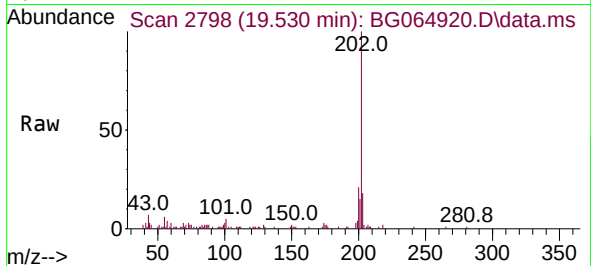




#75
Fluoranthene
Concen: 3.575 ng
RT: 19.530 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

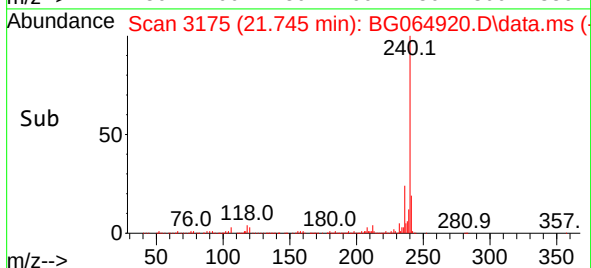
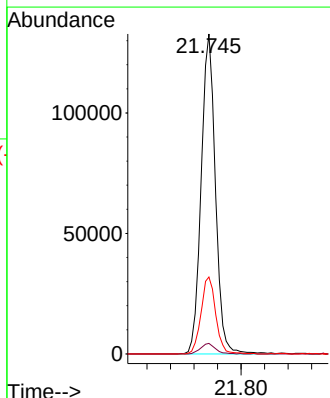
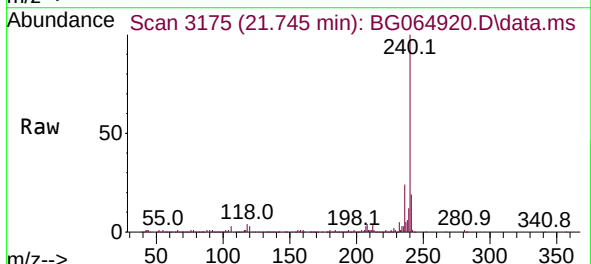
Instrument :
BNA_G
ClientSampleId :
TP-5

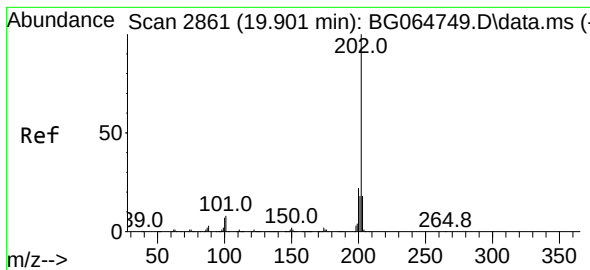
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	26.4
203	17.7	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.745 min Scan# 3175
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.3	4.2	6.4#
236	24.0	20.8	31.2





#78

Pyrene

Concen: 2.817 ng

RT: 19.889 min Scan# 2859

Delta R.T. -0.012 min

Lab File: BG064920.D

Acq: 10 Dec 2025 14:27

Instrument :

BNA_G

ClientSampleId :

TP-5

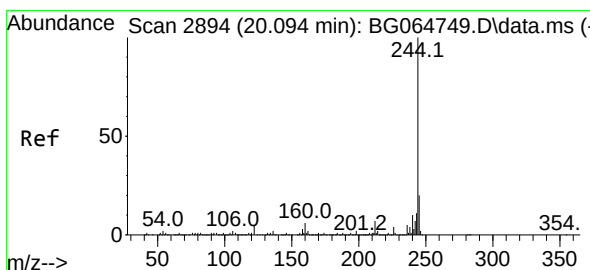
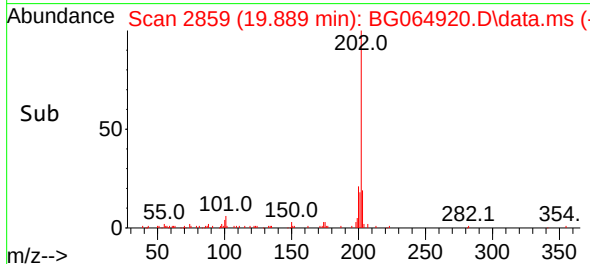
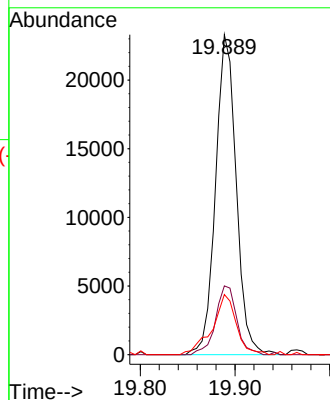
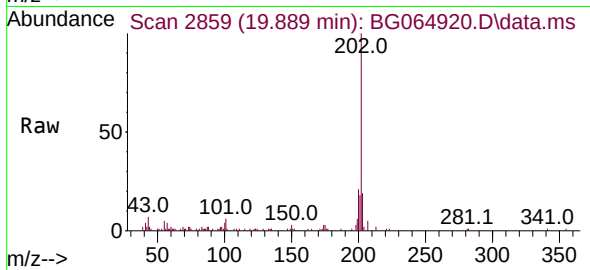
Tgt Ion:202 Resp: 35219

Ion Ratio Lower Upper

202 100

200 21.5 17.9 26.9

203 18.8 14.0 21.0



#79

Terphenyl-d14

Concen: 65.892 ng

RT: 20.083 min Scan# 2892

Delta R.T. -0.012 min

Lab File: BG064920.D

Acq: 10 Dec 2025 14:27

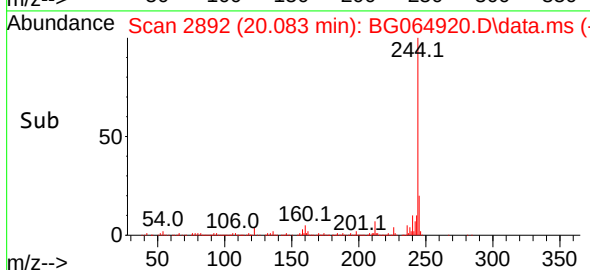
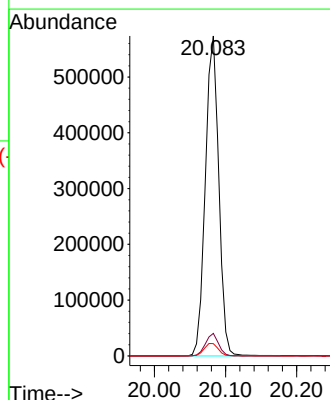
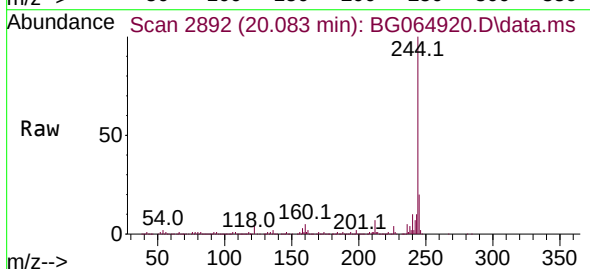
Tgt Ion:244 Resp: 747263

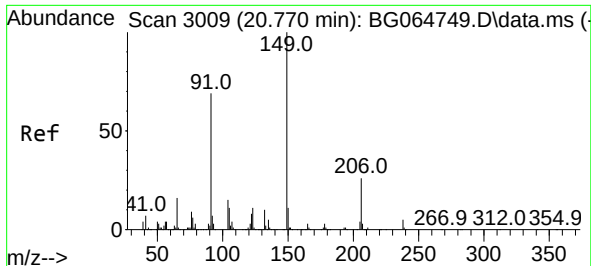
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 3.8 4.3 6.5#

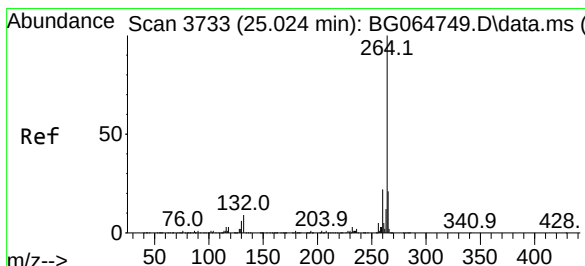
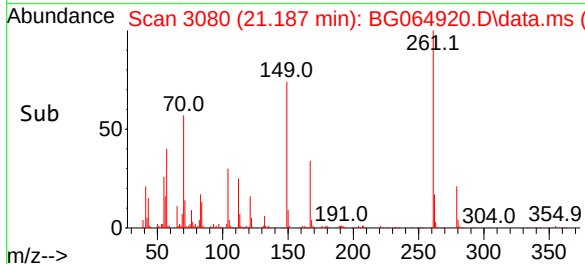
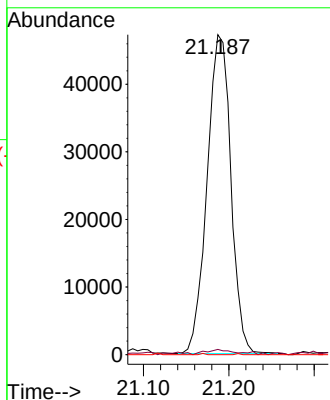
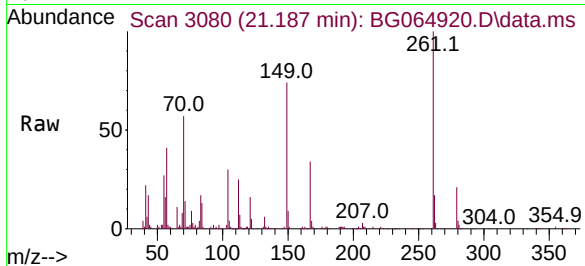




#80
Butylbenzylphthalate
Concen: 20.785 ng
RT: 21.187 min Scan# 30
Delta R.T. 0.417 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Instrument :
BNA_G
ClientSampleId :
TP-5

Tgt Ion:149 Resp: 91407
Ion Ratio Lower Upper
149 100
91 1.6 54.9 82.3#
206 0.0 21.2 31.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.995 min Scan# 3728
Delta R.T. -0.029 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Tgt Ion:264 Resp: 248276
Ion Ratio Lower Upper
264 100
260 22.2 17.2 25.8
265 21.6 16.6 25.0

