

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)

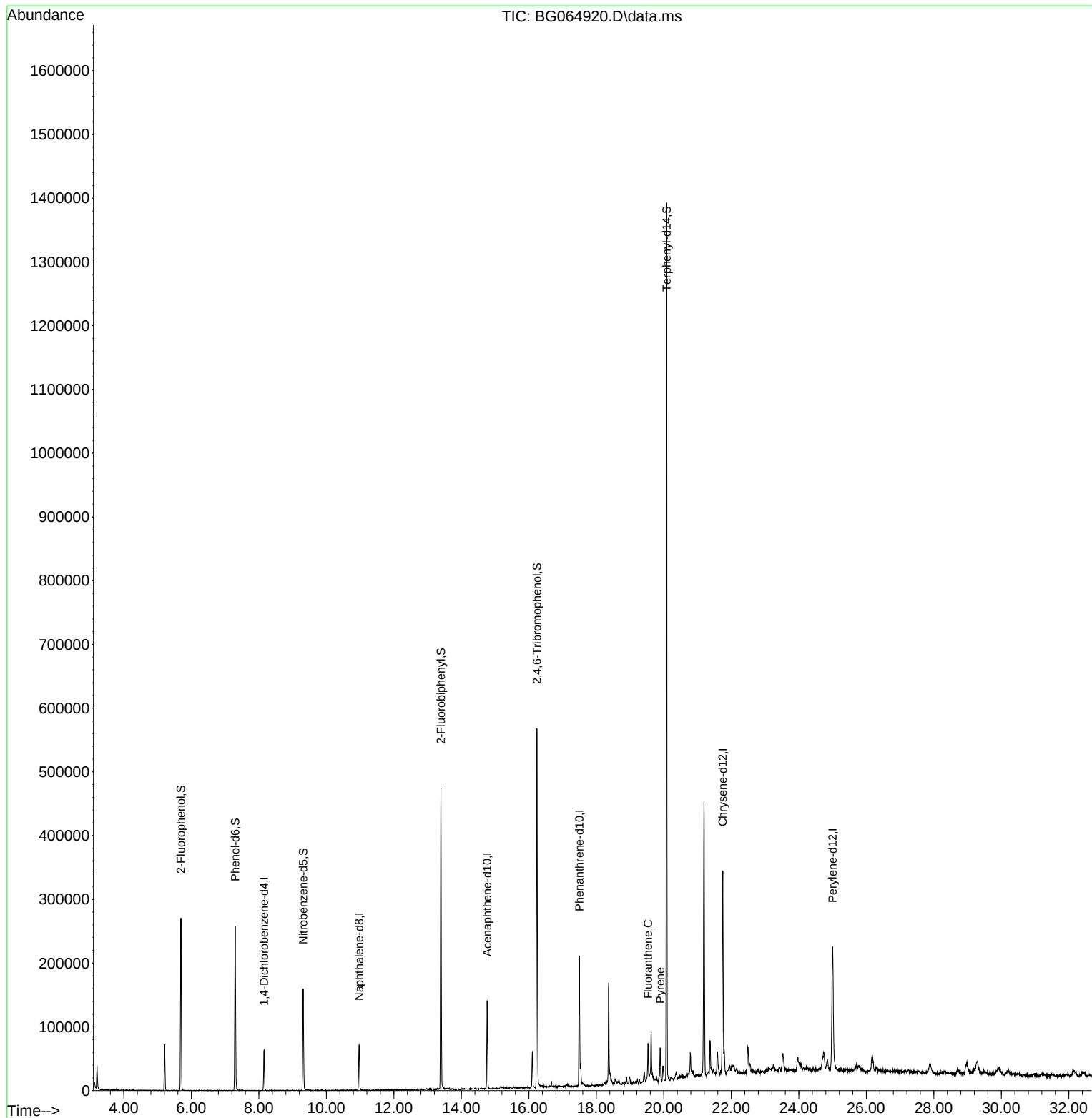
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	18628	20.000	ng	#-0.01
21) Naphthalene-d8	10.970	136	67021	20.000	ng	#-0.02
39) Acenaphthene-d10	14.765	164	54708	20.000	ng	-0.01
64) Phenanthrene-d10	17.497	188	142158	20.000	ng	# 0.00
76) Chrysene-d12	21.745	240	223082	20.000	ng	#-0.01
86) 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						
75) Fluoranthene	19.530	202	38025	3.575	ng	Qvalue 99
78) Pyrene	19.889	202	35219	2.817	ng	98

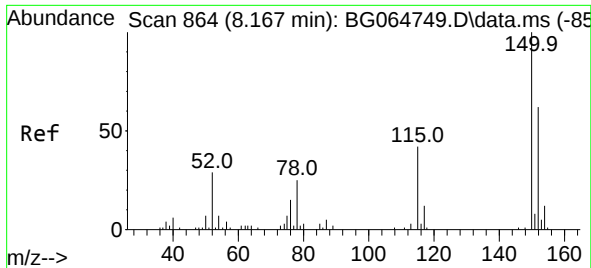
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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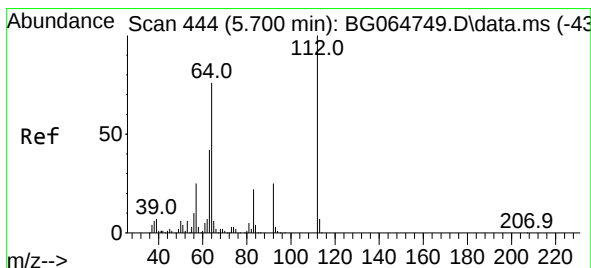
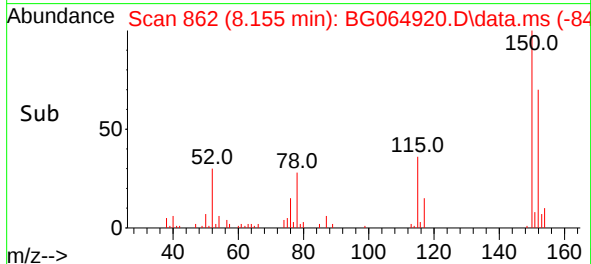
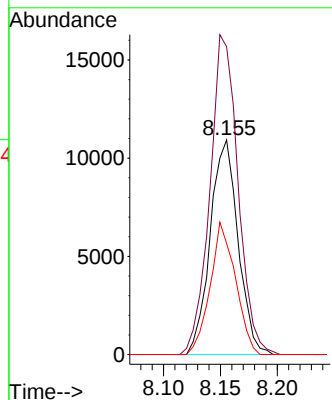
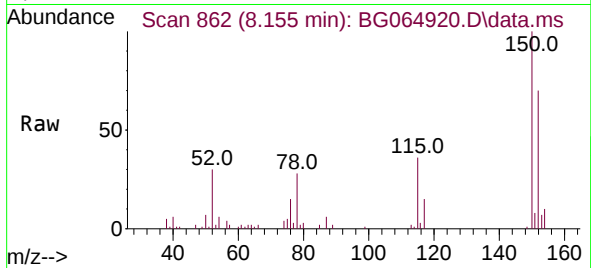




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 864
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

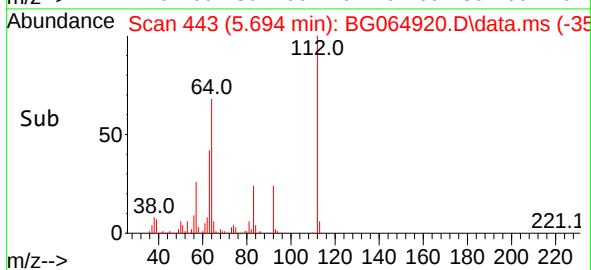
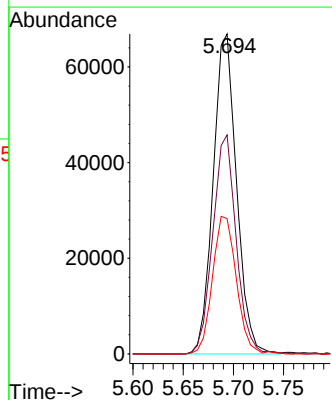
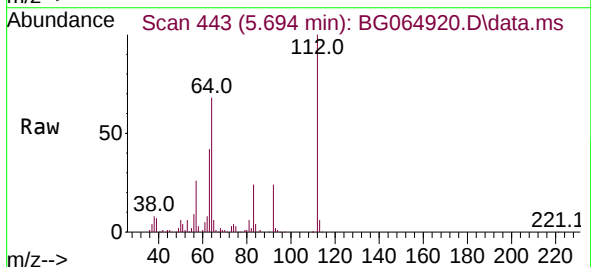
Instrument :
BNA_G
ClientSampleId :
TP-5

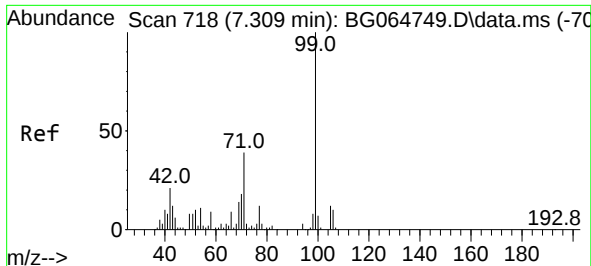
Tgt Ion:152 Resp: 18628
Ion Ratio Lower Upper
152 100
150 143.5 129.2 193.8
115 51.8 53.7 80.5#



#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

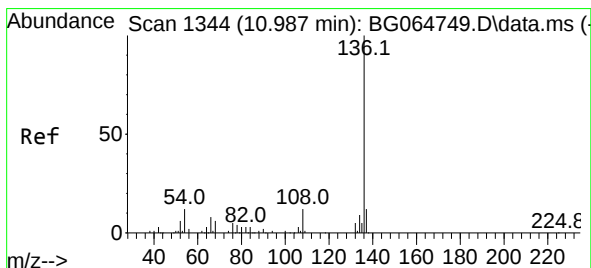
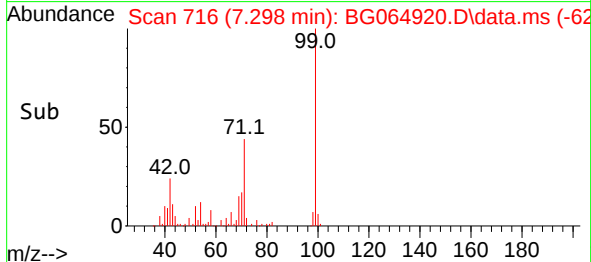
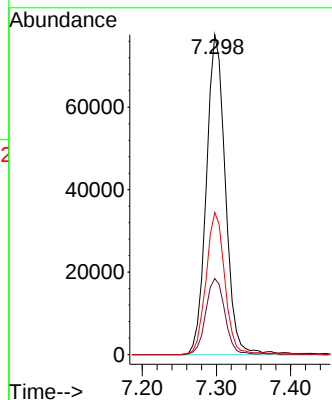
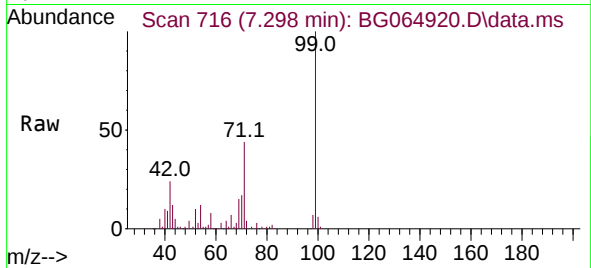




#7
Phenol-d6
Concen: 97.076 ng
RT: 7.298 min Scan# 716
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

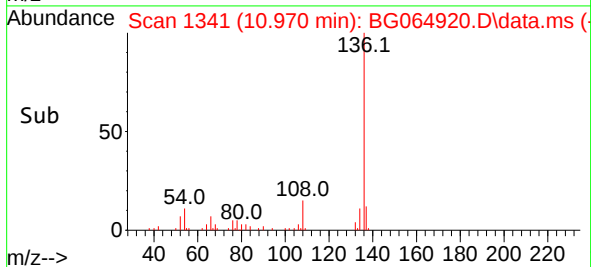
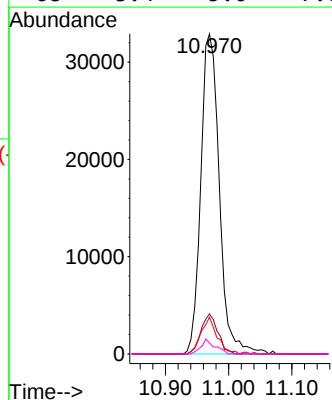
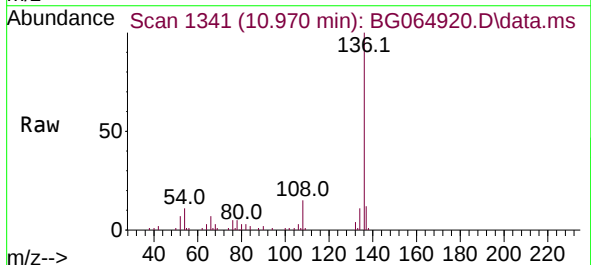
Instrument :
BNA_G
ClientSampleId :
TP-5

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 1341
Delta R.T. -0.017 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

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# 1062

Delta R.T. -0.018 min

Lab File: BG064920.D

Acq: 10 Dec 2025 14:27

Instrument :

BNA_G

ClientSampleId :

TP-5

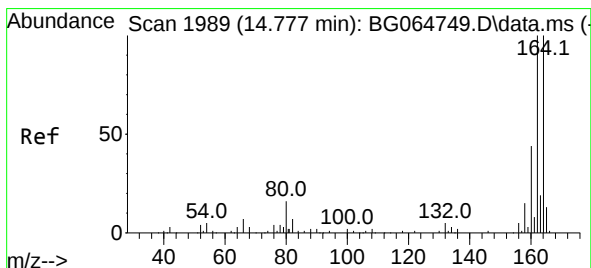
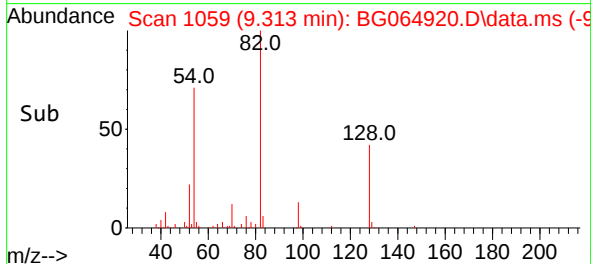
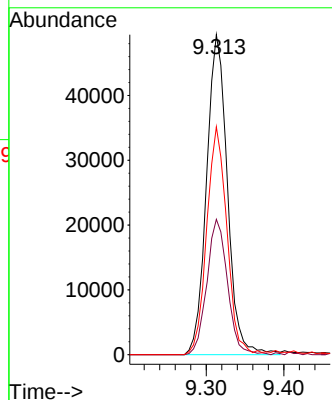
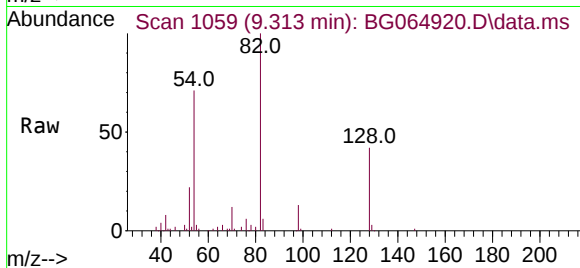
Tgt Ion: 82 Resp: 92109

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# 1987

Delta R.T. -0.012 min

Lab File: BG064920.D

Acq: 10 Dec 2025 14:27

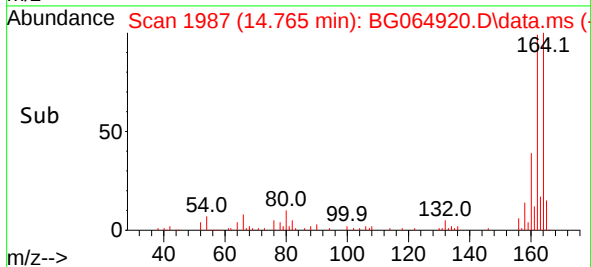
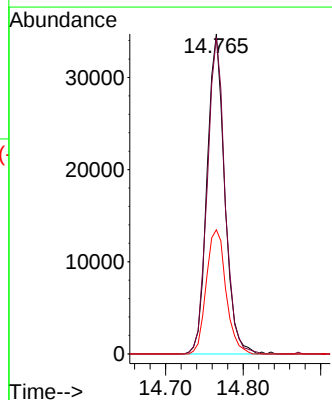
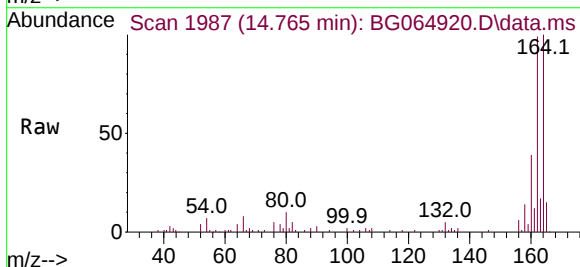
Tgt Ion: 164 Resp: 54708

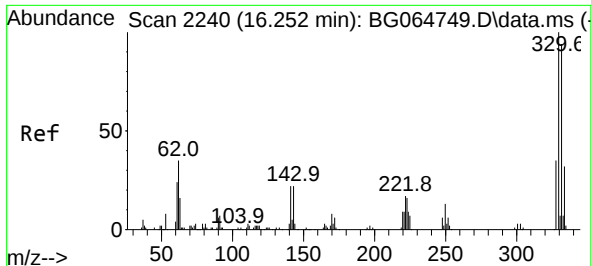
Ion Ratio Lower Upper

164 100

162 99.0 79.8 119.6

160 38.8 34.9 52.3

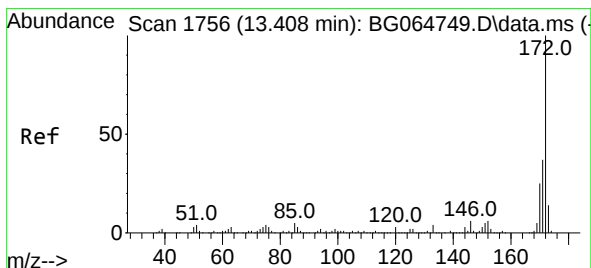
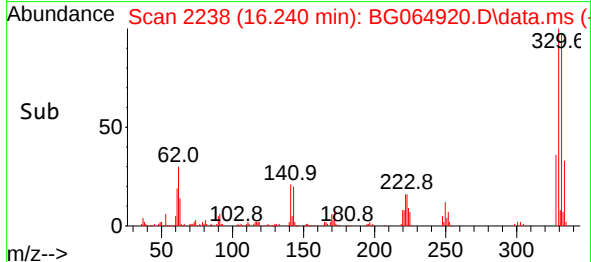
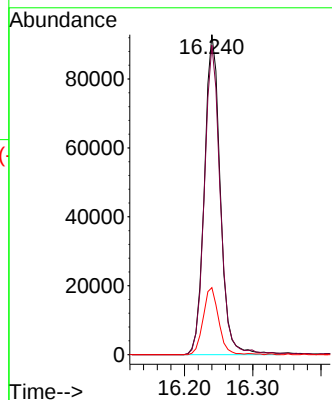
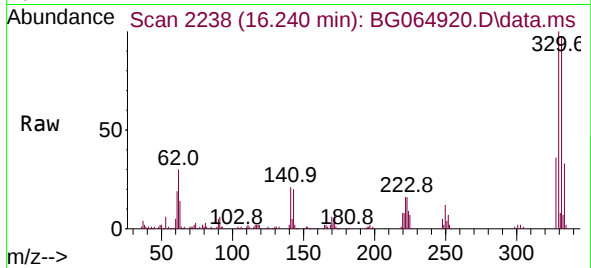




#42
2,4,6-Tribromophenol
Concen: 140.916 ng
RT: 16.240 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

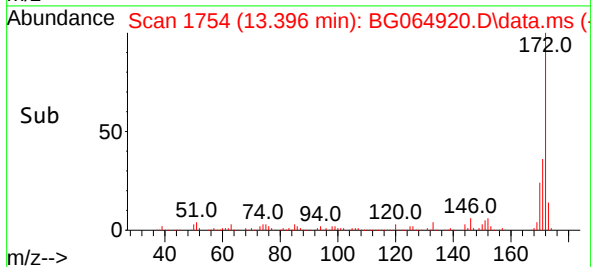
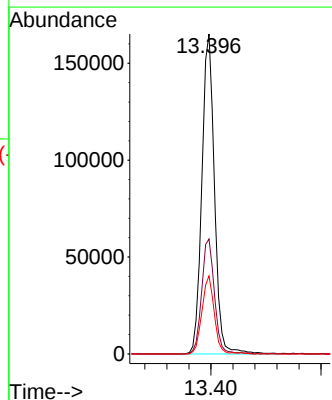
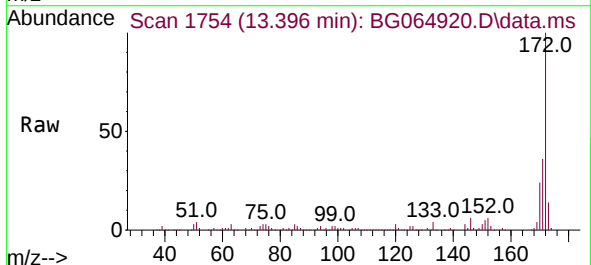
Instrument :
BNA_G
ClientSampleId :
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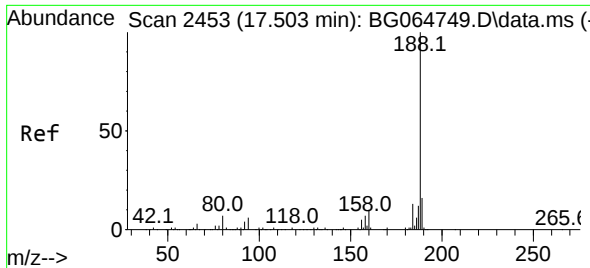
Tgt Ion:330 Resp: 150354
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 20.3 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 66.794 ng
RT: 13.396 min Scan# 1754
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

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

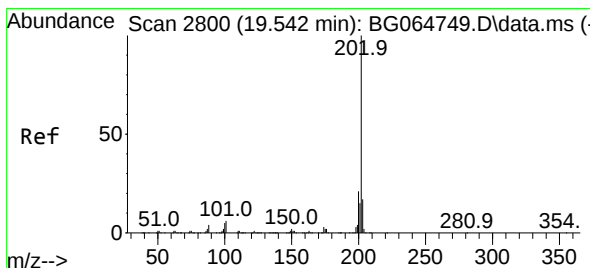
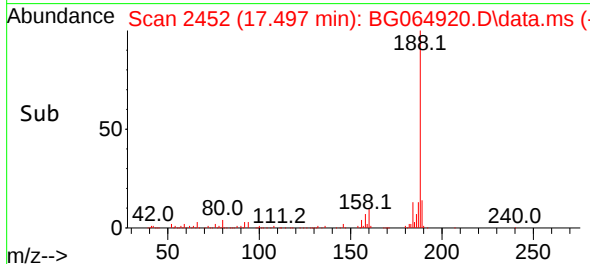
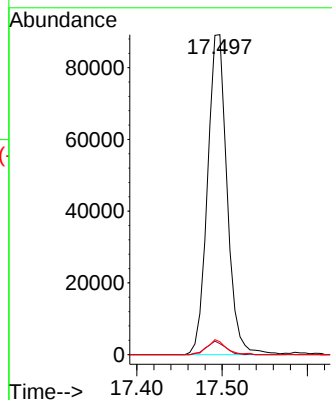
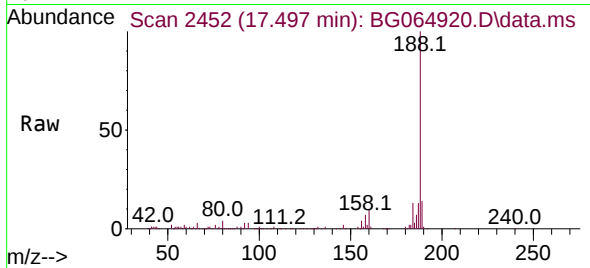




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

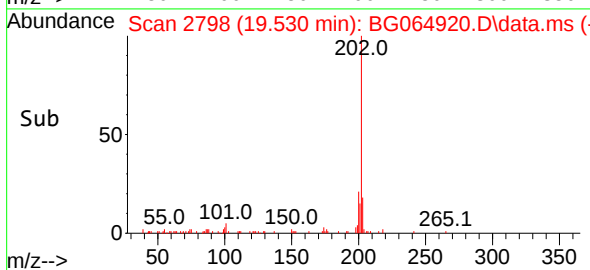
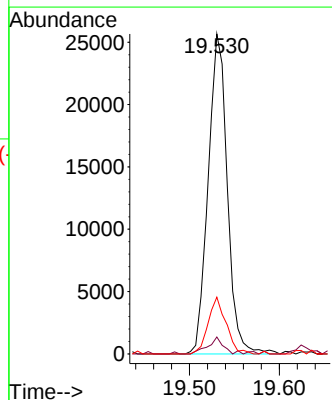
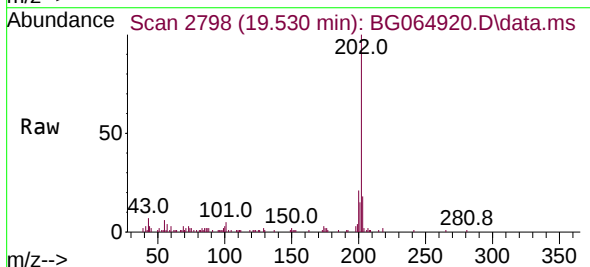
Instrument :
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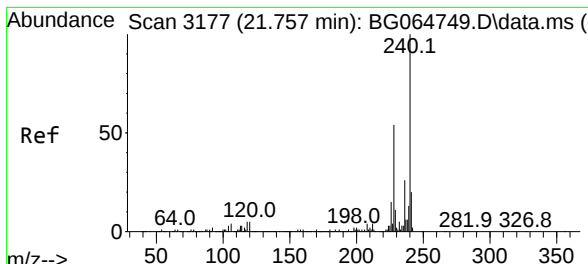
Tgt Ion:188 Resp: 142158
Ion Ratio Lower Upper
188 100
94 3.4 4.7 7.1#
80 4.4 5.4 8.2#



#75
Fluoranthene
Concen: 3.575 ng
RT: 19.530 min Scan# 2798
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

Tgt Ion:202 Resp: 38025
Ion Ratio Lower Upper
202 100
101 5.3 0.0 26.4
203 17.7 0.0 37.5

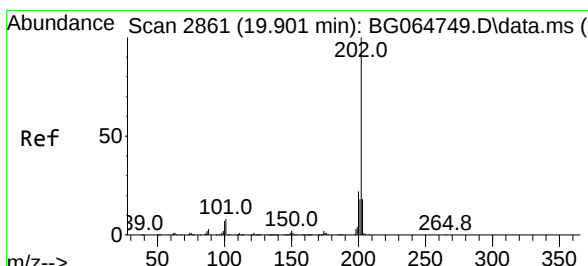
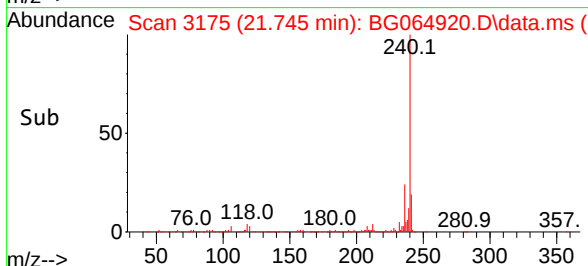
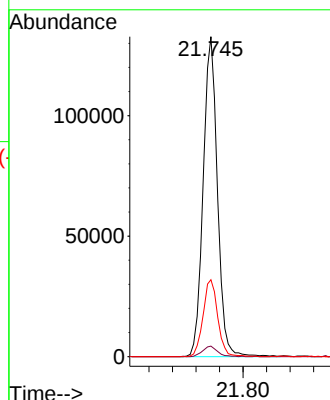
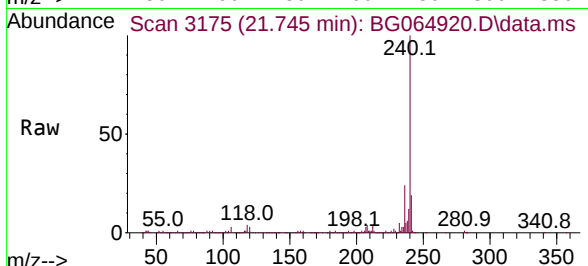




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.745 min Scan# 3175
Delta R.T. -0.012 min
Lab File: BG064920.D
Acq: 10 Dec 2025 14:27

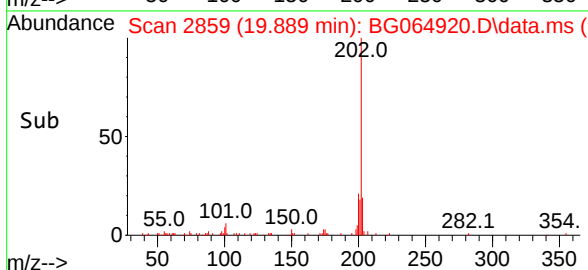
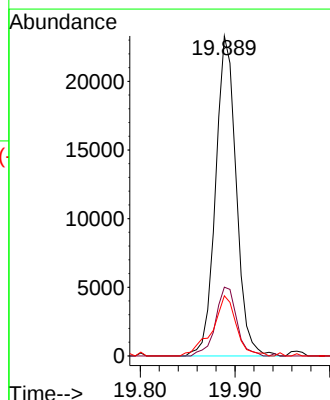
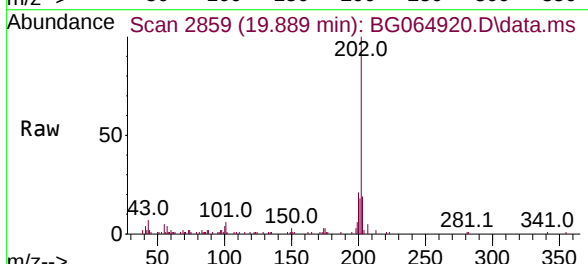
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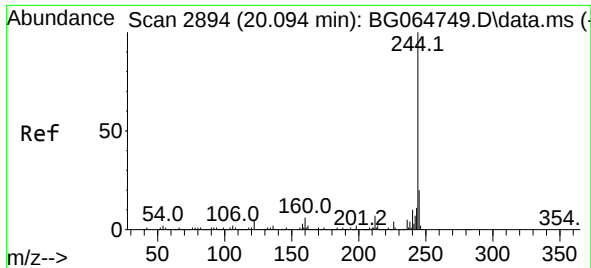
Tgt Ion:240 Resp: 223082
Ion Ratio Lower Upper
240 100
120 3.3 4.2 6.4#
236 24.0 20.8 31.2



#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

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

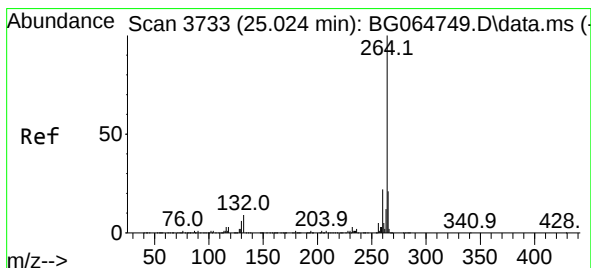
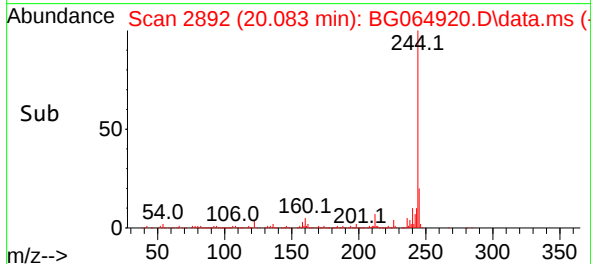
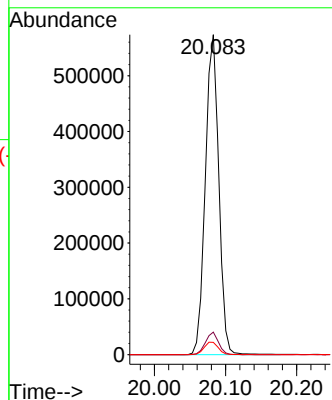
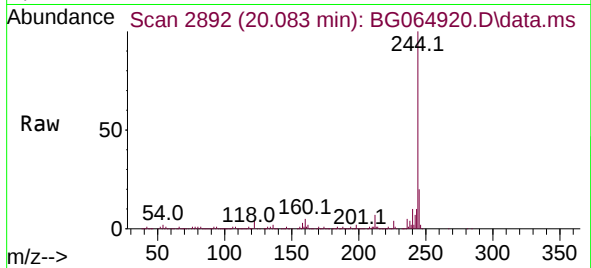




#79
 Terphenyl-d14
 Concen: 65.892 ng
 RT: 20.083 min Scan# 2892
 Delta R.T. -0.012 min
 Lab File: BG064920.D
 Acq: 10 Dec 2025 14:27

Instrument :
 BNA_G
 ClientSampleId :
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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#



#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

