

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064942.D
 Acq On : 11 Dec 2025 20:18
 Operator : RC/JU
 Sample : Q3814-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Dec 11 22:43:41 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	8.153	152	16628	20.000	ng	#-0.01
21) Naphthalene-d8	10.967	136	58730	20.000	ng	#-0.02
39) Acenaphthene-d10	14.762	164	37265	20.000	ng	-0.01
64) Phenanthrene-d10	17.495	188	137078	20.000	ng	# 0.00
76) Chrysene-d12	21.743	240	154389	20.000	ng	#-0.01
86) Perylene-d12	25.003	264	45382	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	117967	123.885	ng	0.00
7) Phenol-d6	7.301	99	118181	93.313	ng	0.00
23) Nitrobenzene-d5	9.316	82	102534	86.320	ng	-0.01
42) 2,4,6-Tribromophenol	16.243	330	184486	253.839	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	342859	128.379	ng	-0.01
79) Terphenyl-d14	20.080	244	993486	126.581	ng	-0.01

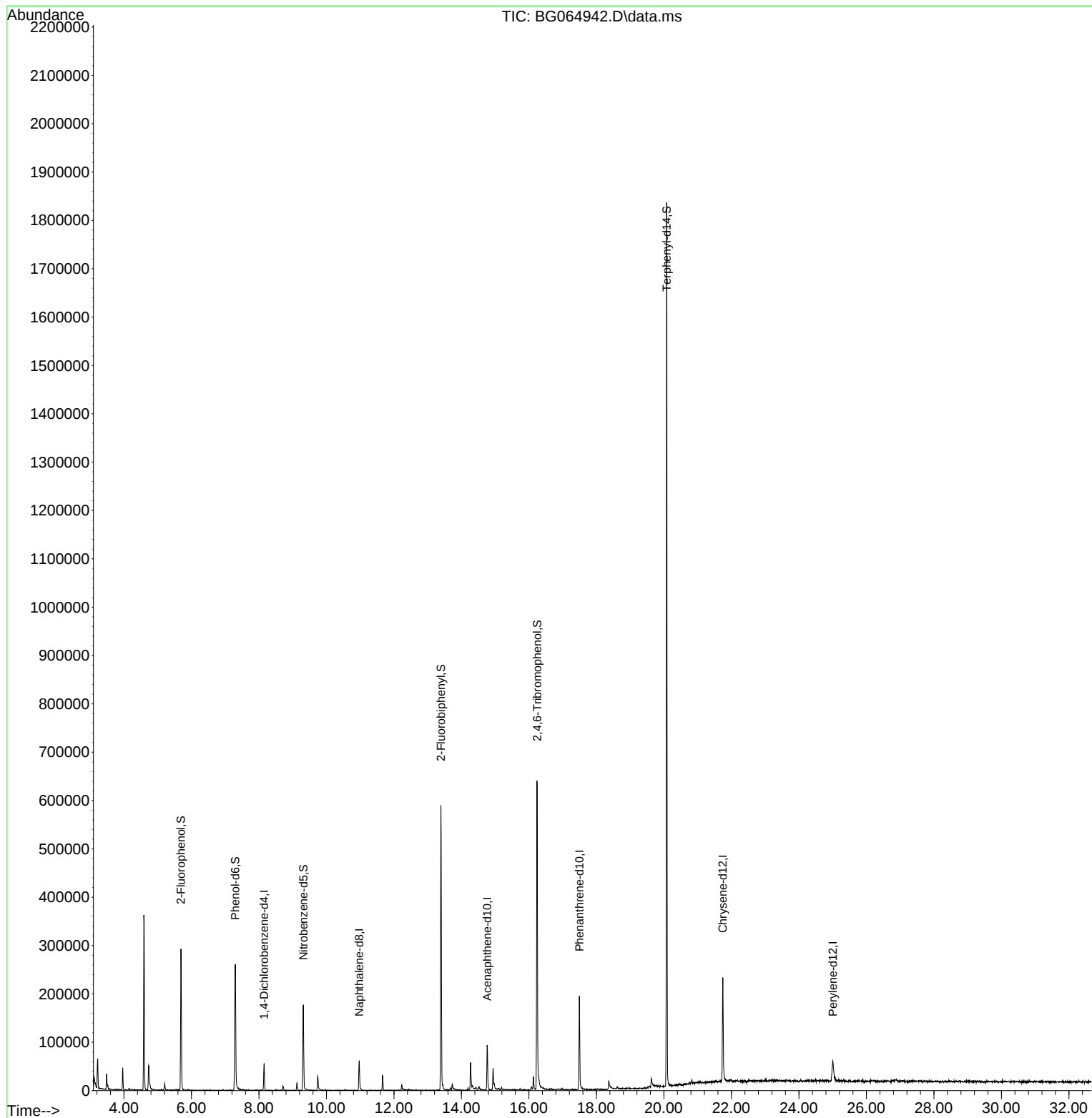
Target Compounds	Qvalue

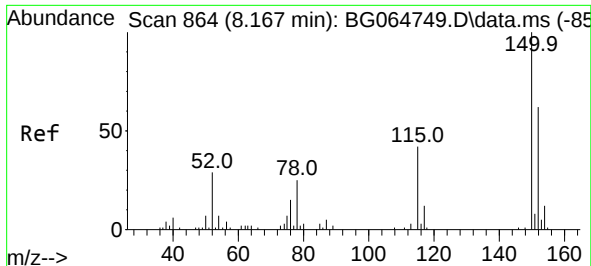
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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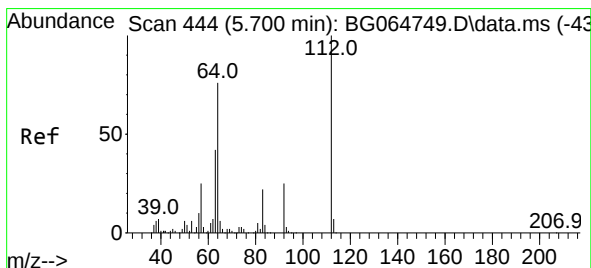
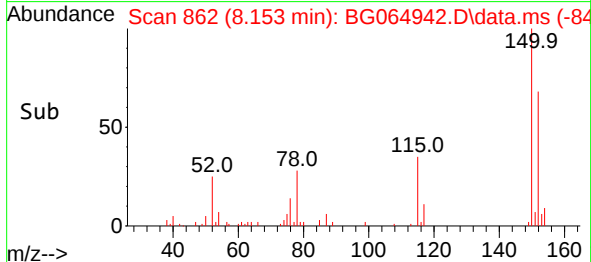
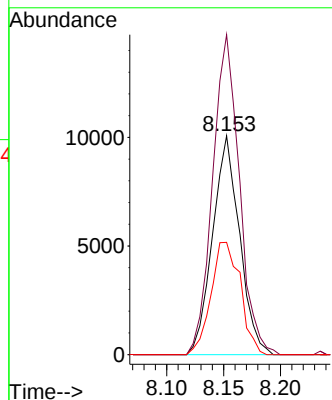
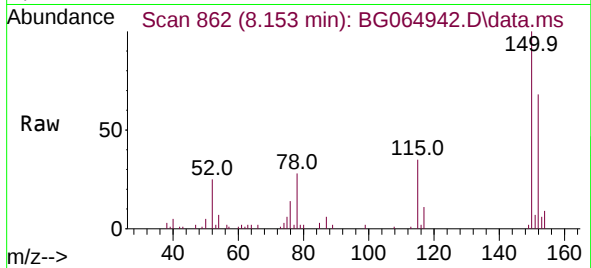




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 862
Delta R.T. -0.014 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

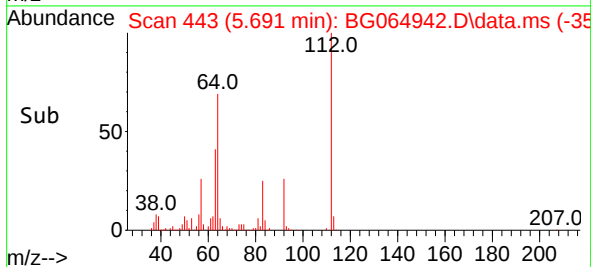
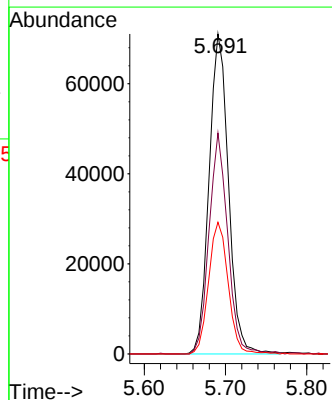
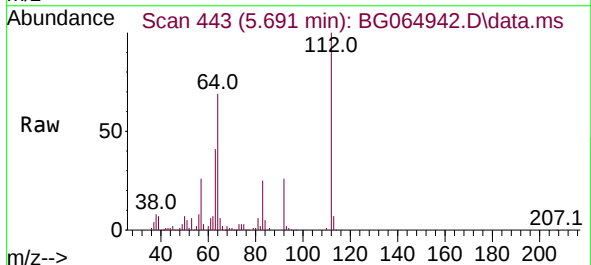
Instrument :
BNA_G
ClientSampleId :
TP-9

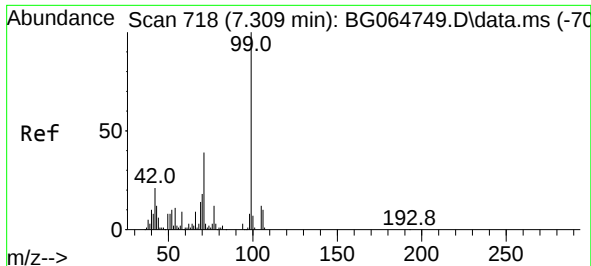
Tgt Ion:152 Resp: 16628
Ion Ratio Lower Upper
152 100
150 146.2 129.2 193.8
115 51.3 53.7 80.5#



#5
2-Fluorophenol
Concen: 123.885 ng
RT: 5.691 min Scan# 443
Delta R.T. -0.009 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:112 Resp: 117967
Ion Ratio Lower Upper
112 100
64 69.0 61.0 91.4
63 41.1 33.3 49.9

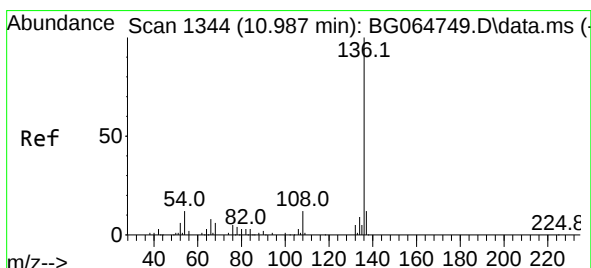
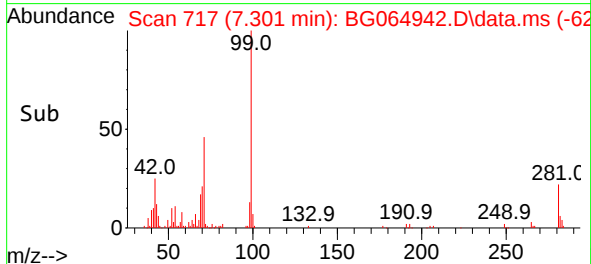
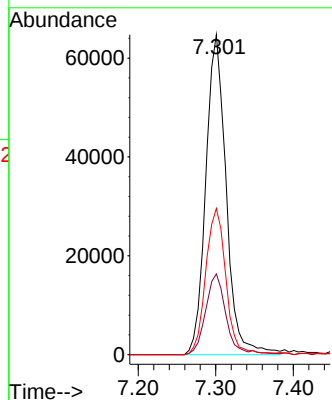
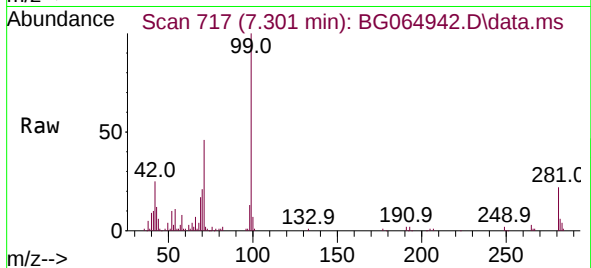




#7
Phenol-d6
Concen: 93.313 ng
RT: 7.301 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

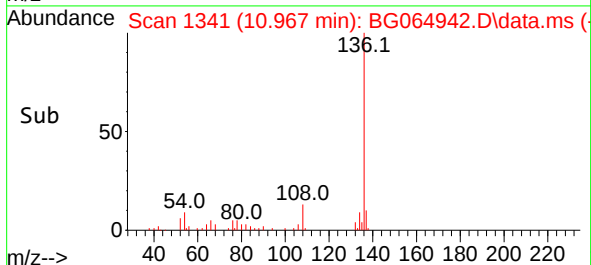
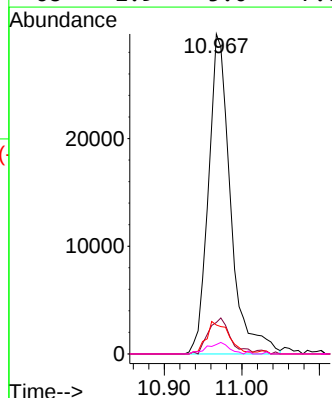
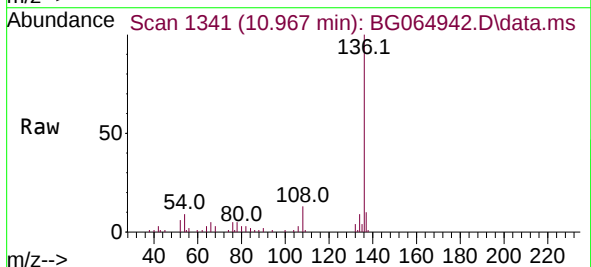
Instrument :
BNA_G
ClientSampleId :
TP-9

Tgt Ion: 99 Resp: 118181
Ion Ratio Lower Upper
99 100
42 25.2 16.8 25.2#
71 45.7 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1341
Delta R.T. -0.020 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:136 Resp: 58730
Ion Ratio Lower Upper
136 100
137 9.8 9.3 13.9
54 9.0 9.3 13.9#
68 2.9 5.0 7.6#





#23

Nitrobenzene-d5

Concen: 86.320 ng

RT: 9.316 min Scan# 1060

Delta R.T. -0.015 min

Lab File: BG064942.D

Acq: 11 Dec 2025 20:18

Instrument :

BNA_G

ClientSampleId :

TP-9

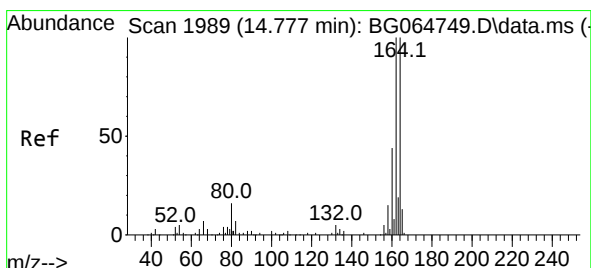
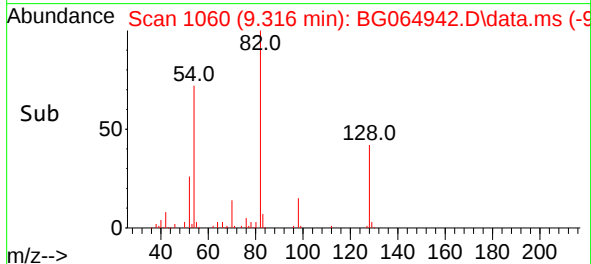
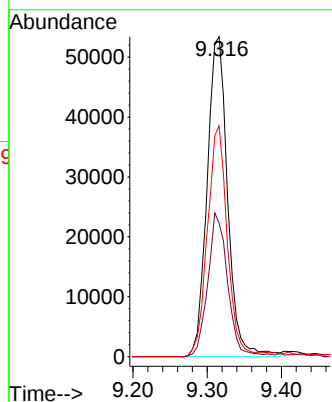
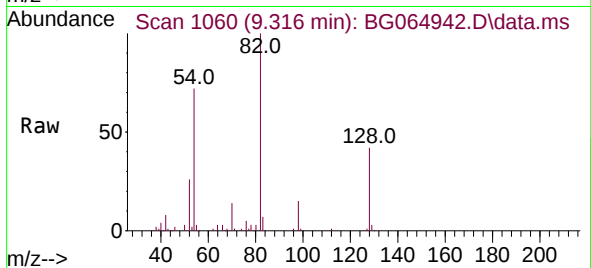
Tgt Ion: 82 Resp: 102534

Ion Ratio Lower Upper

82 100

128 41.7 34.1 51.1

54 72.1 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.762 min Scan# 1987

Delta R.T. -0.015 min

Lab File: BG064942.D

Acq: 11 Dec 2025 20:18

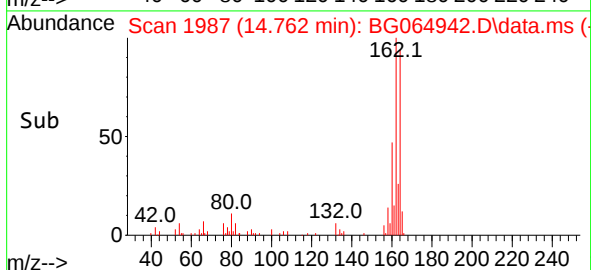
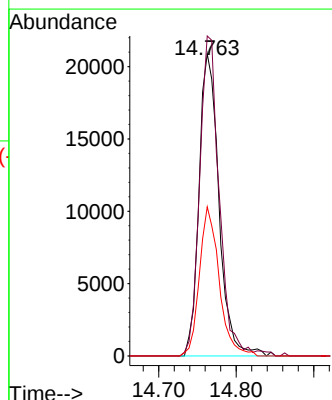
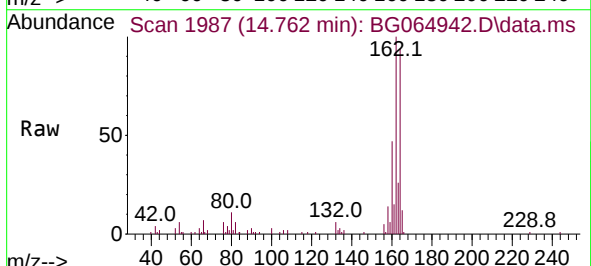
Tgt Ion:164 Resp: 37265

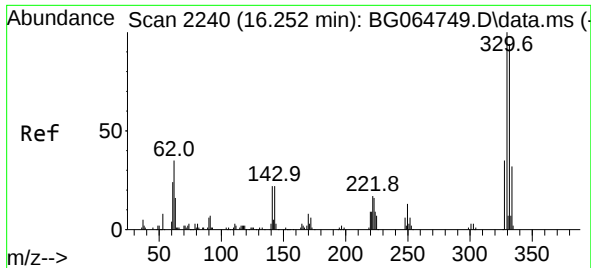
Ion Ratio Lower Upper

164 100

162 105.9 79.8 119.6

160 49.3 34.9 52.3

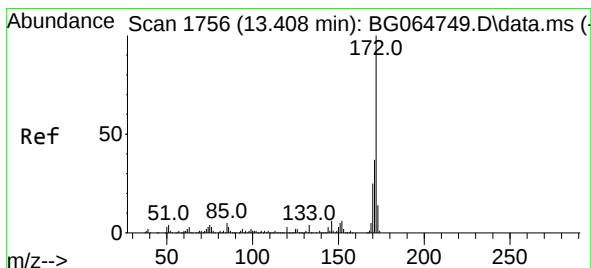
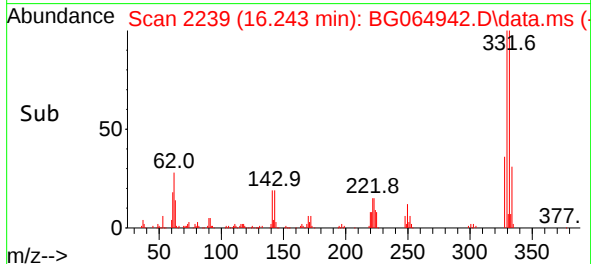
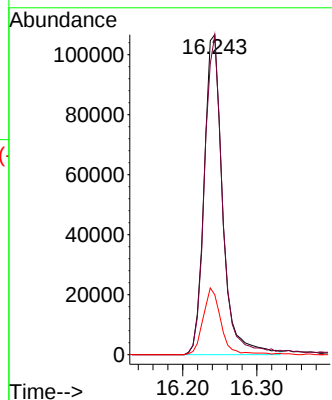
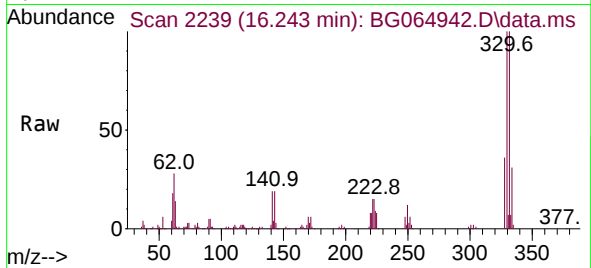




#42
2,4,6-Tribromophenol
Concen: 253.839 ng
RT: 16.243 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

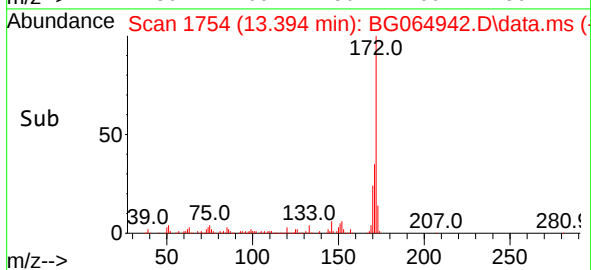
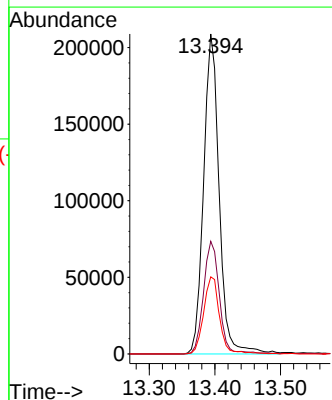
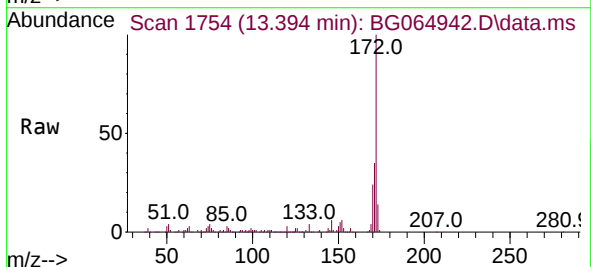
Instrument :
BNA_G
ClientSampleId :
TP-9

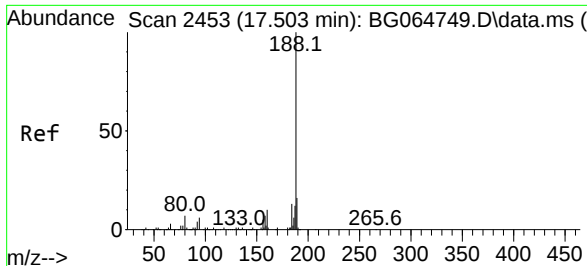
Tgt Ion:330 Resp: 184486
Ion Ratio Lower Upper
330 100
332 98.9 77.0 115.6
141 20.1 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 128.379 ng
RT: 13.394 min Scan# 1754
Delta R.T. -0.015 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:172 Resp: 342859
Ion Ratio Lower Upper
172 100
171 35.2 29.9 44.9
170 24.1 19.8 29.6

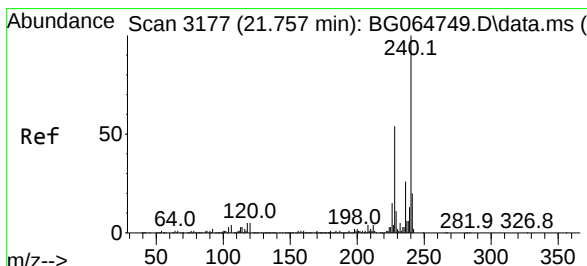
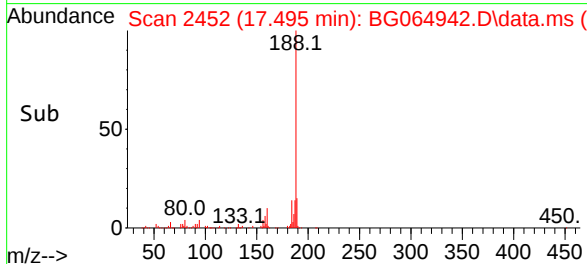
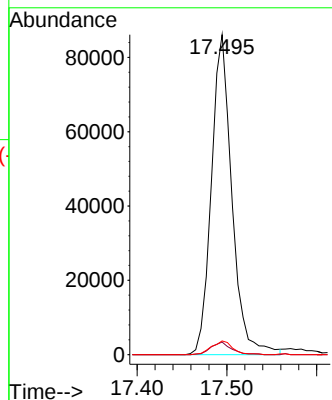
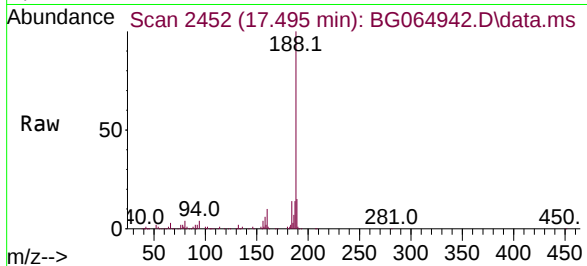




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.495 min Scan# 2453
Delta R.T. -0.009 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

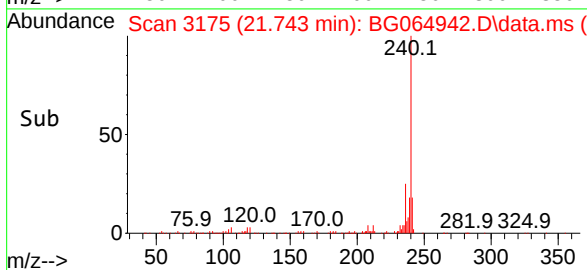
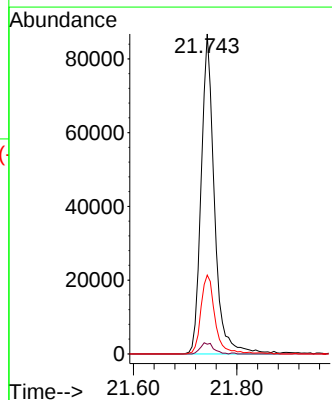
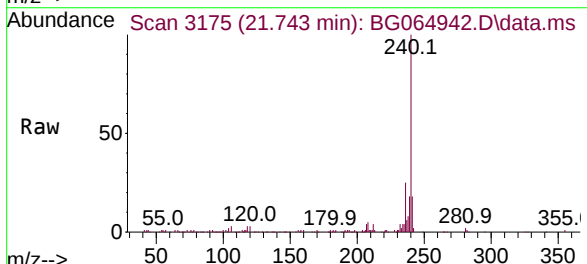
Instrument :
BNA_G
ClientSampleId :
TP-9

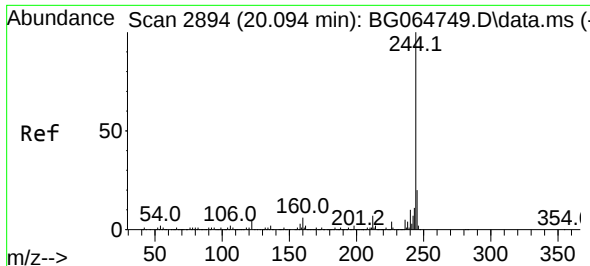
Tgt Ion:188 Resp: 137078
Ion Ratio Lower Upper
188 100
94 3.9 4.7 7.1#
80 4.3 5.4 8.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.743 min Scan# 3175
Delta R.T. -0.015 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:240 Resp: 154389
Ion Ratio Lower Upper
240 100
120 3.0 4.2 6.4#
236 24.6 20.8 31.2

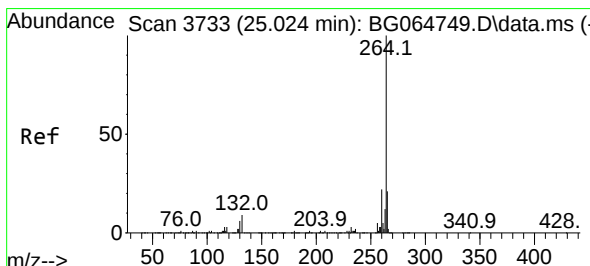
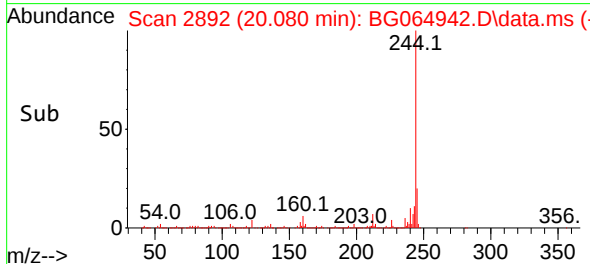
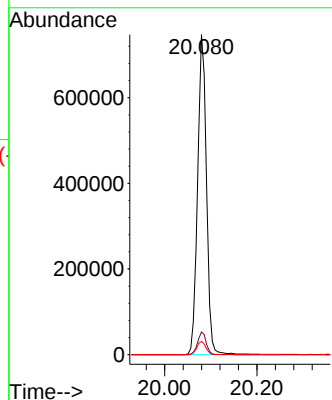
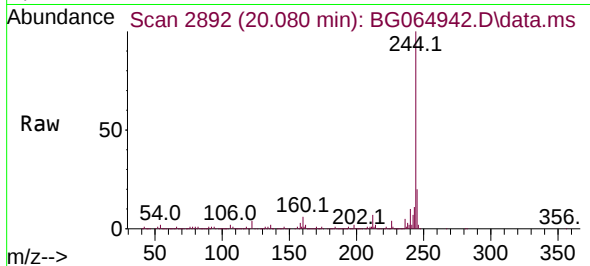




#79
 Terphenyl-d14
 Concen: 126.581 ng
 RT: 20.080 min Scan# 2892
 Delta R.T. -0.015 min
 Lab File: BG064942.D
 Acq: 11 Dec 2025 20:18

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tgt Ion:244 Resp: 993486
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 4.1 4.3 6.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.003 min Scan# 3730
 Delta R.T. -0.021 min
 Lab File: BG064942.D
 Acq: 11 Dec 2025 20:18

Tgt Ion:264 Resp: 45382
 Ion Ratio Lower Upper
 264 100
 260 26.0 17.2 25.8#
 265 24.0 16.6 25.0

