

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064616.D
 Acq On : 29 Oct 2025 00:41
 Operator : RC/JU
 Sample : Q3465-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-10242025

Quant Time: Oct 29 01:50:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

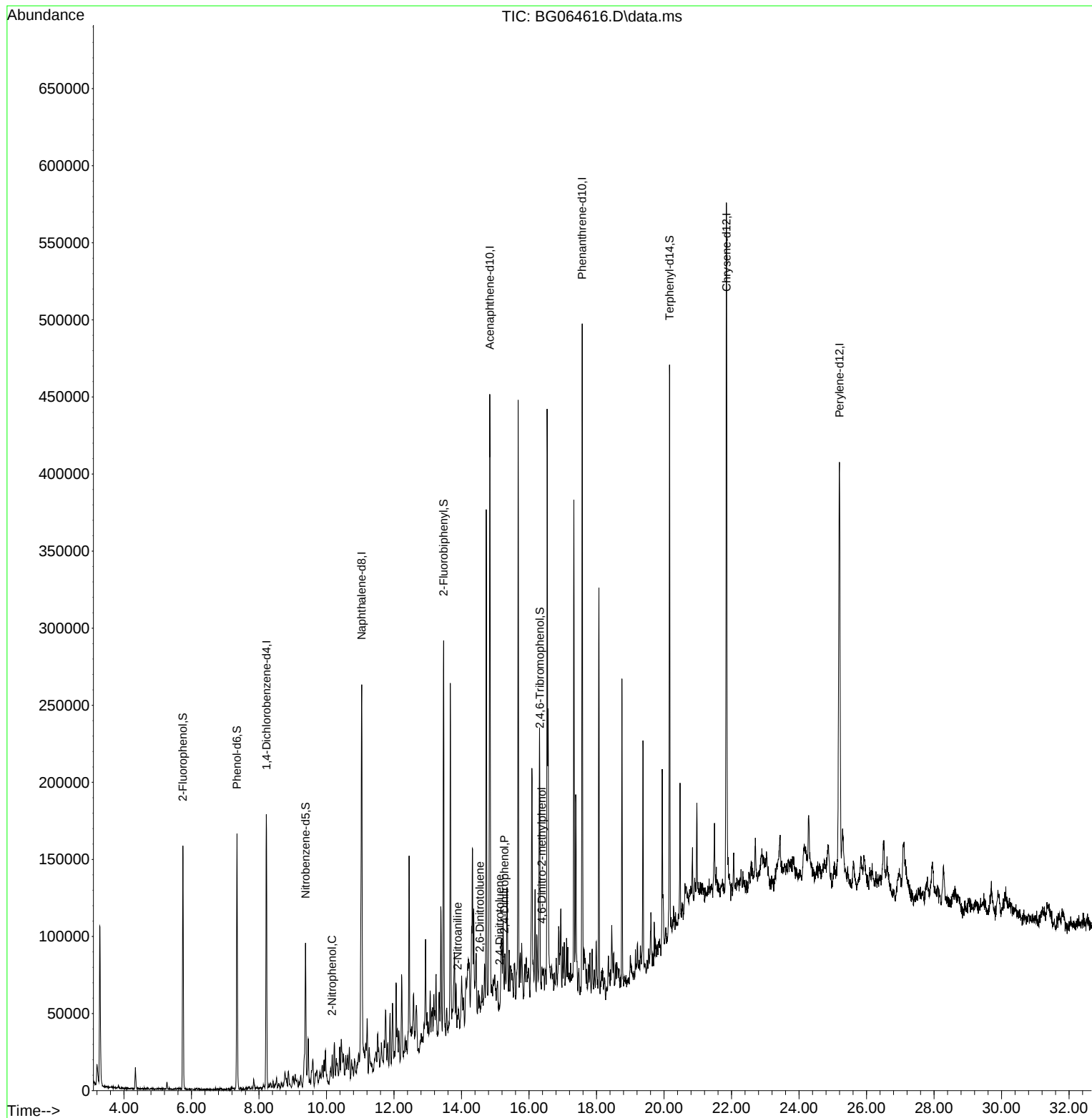
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	48430	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	189696	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	136373	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	263678	20.000	ng	0.00
76) Chrysene-d12	21.848	240	290458	20.000	ng	-0.02
86) Perylene-d12	25.197	264	321634	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	63038	21.848	ng	0.00
7) Phenol-d6	7.347	99	82223	20.767	ng	0.00
23) Nitrobenzene-d5	9.380	82	48192	15.259	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	31636	16.073	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	130128	14.463	ng	0.00
79) Terphenyl-d14	20.162	244	188090	12.221	ng	-0.02
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	10.161	139	61	3.174	ng	# 9
48) 2-Nitroaniline	13.887	65	106	3.265	ng	# 38
51) 2,6-Dinitrotoluene	14.539	165	732	3.590	ng	# 71
54) 2,4-Dinitrophenol	15.273	184	58	5.623	ng	# 24
57) 2,4-Dinitrotoluene	15.126	165	706	3.299	ng	# 44
65) 4,6-Dinitro-2-methylph...	16.378	198	58	5.471	ng	# 1

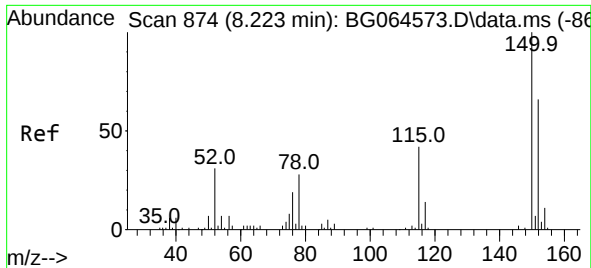
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064616.D
Acq On : 29 Oct 2025 00:41
Operator : RC/JU
Sample : Q3465-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-03-10242025

Quant Time: Oct 29 01:50:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

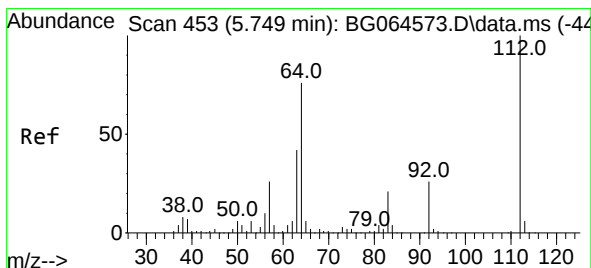
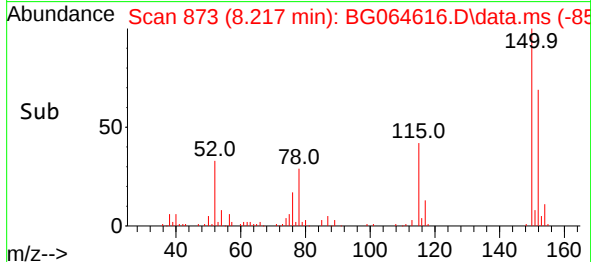
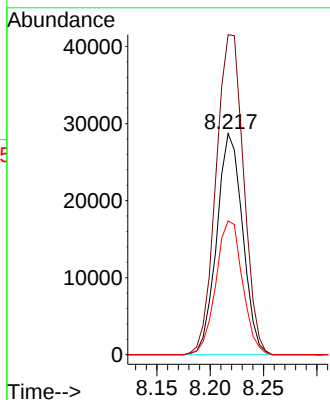
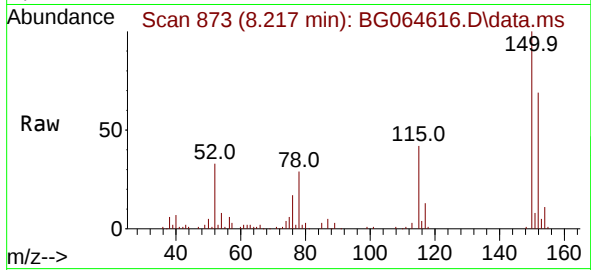




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

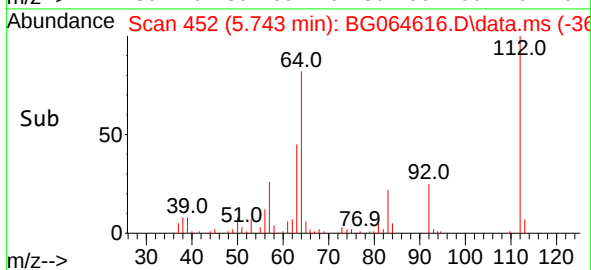
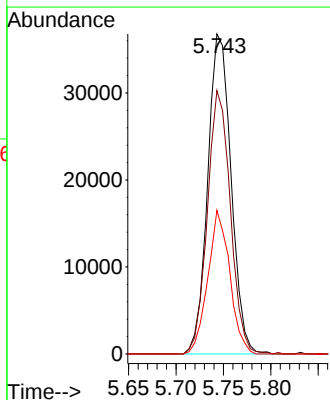
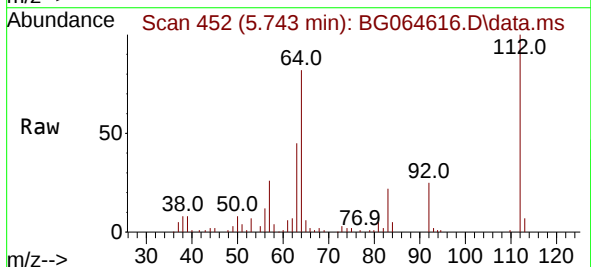
Instrument :
BNA_G
ClientSampleId :
SU-03-10242025

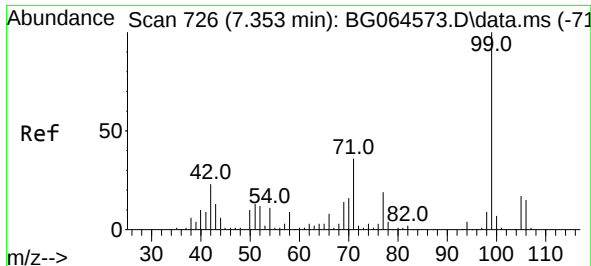
Tgt Ion:152 Resp: 48430
Ion Ratio Lower Upper
152 100
150 144.7 122.2 183.4
115 60.5 50.8 76.2



#5
2-Fluorophenol
Concen: 21.848 ng
RT: 5.743 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

Tgt Ion:112 Resp: 63038
Ion Ratio Lower Upper
112 100
64 82.3 60.7 91.1
63 44.8 33.4 50.0

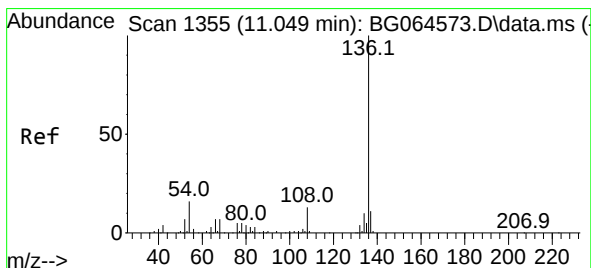
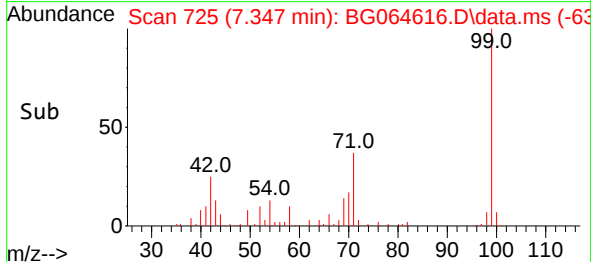
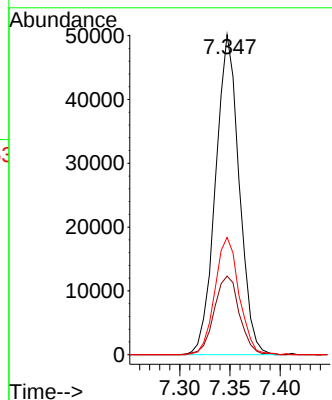
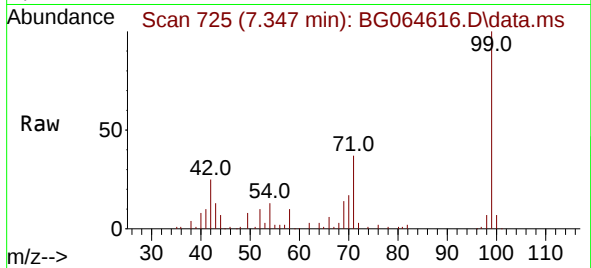




#7
Phenol-d6
Concen: 20.767 ng
RT: 7.347 min Scan# 71
Delta R.T. -0.010 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

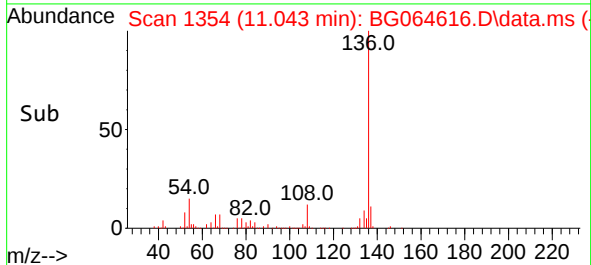
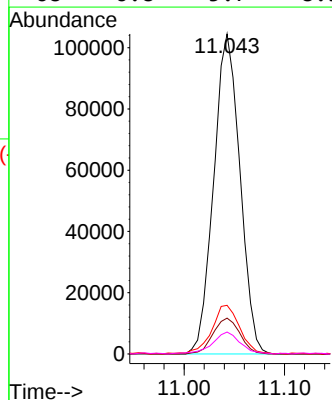
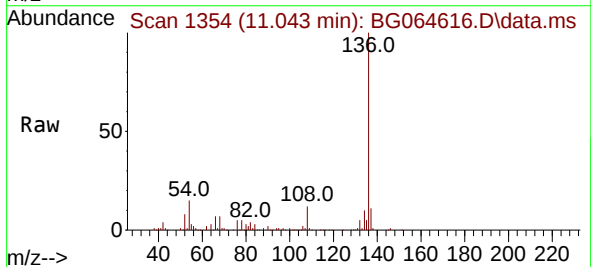
Instrument :
BNA_G
ClientSampleId :
SU-03-10242025

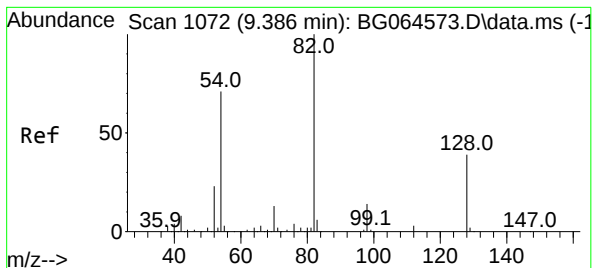
Tgt Ion: 99 Resp: 82223
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 36.7 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.010 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

Tgt Ion:136 Resp: 189696
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 15.2 12.6 19.0
68 6.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 15.259 ng

RT: 9.380 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG064616.D

Acq: 29 Oct 2025 00:41

Instrument :

BNA_G

ClientSampleId :

SU-03-10242025

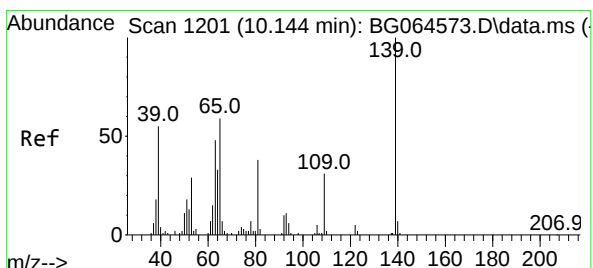
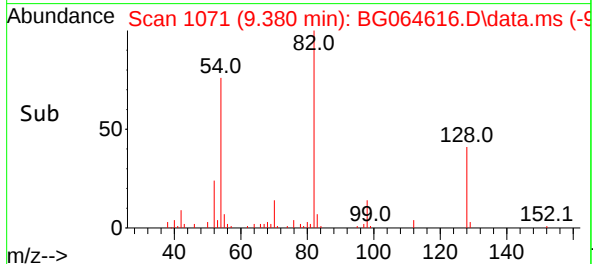
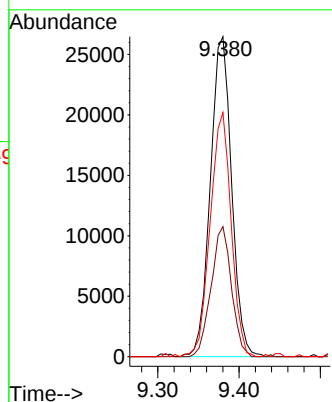
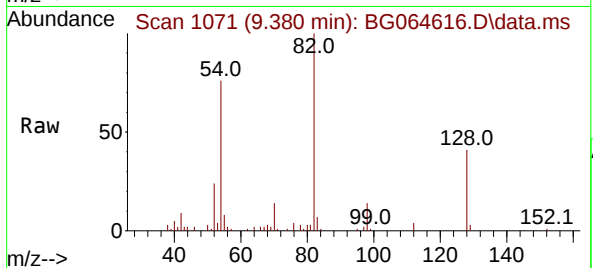
Tgt Ion: 82 Resp: 48192

Ion Ratio Lower Upper

82 100

128 40.7 31.3 46.9

54 76.3 56.6 84.8



#26

2-Nitrophenol

Concen: 3.174 ng

RT: 10.161 min Scan# 1204

Delta R.T. 0.013 min

Lab File: BG064616.D

Acq: 29 Oct 2025 00:41

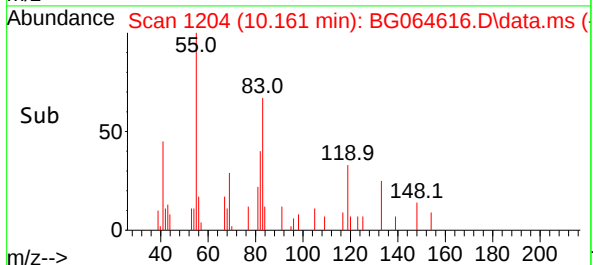
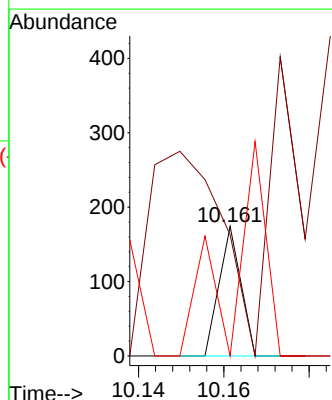
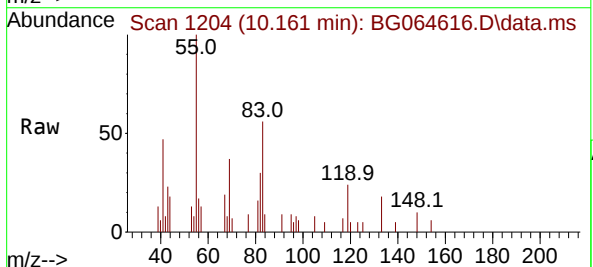
Tgt Ion: 139 Resp: 61

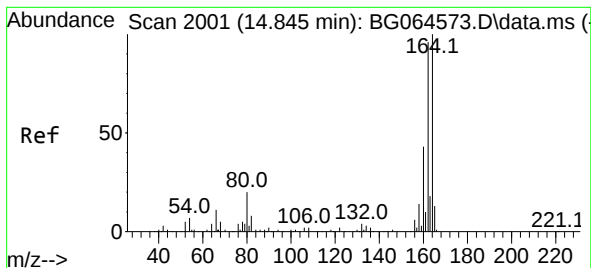
Ion Ratio Lower Upper

139 100

109 93.7 24.6 37.0#

65 0.0 47.5 71.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.838 min Scan# 20

Delta R.T. -0.004 min

Lab File: BG064616.D

Acq: 29 Oct 2025 00:41

Instrument :

BNA_G

ClientSampleId :

SU-03-10242025

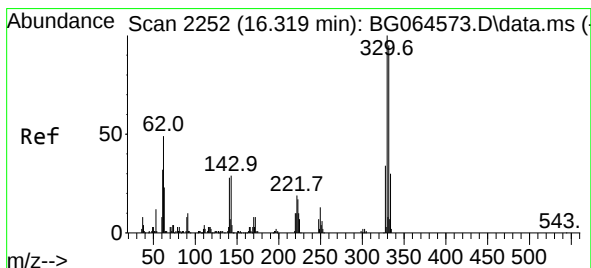
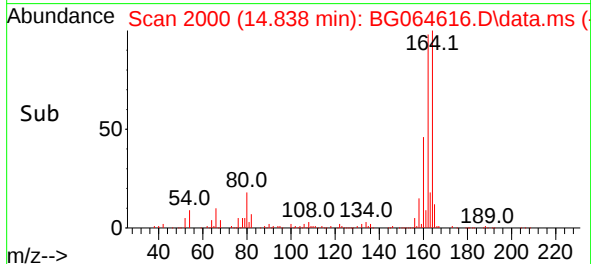
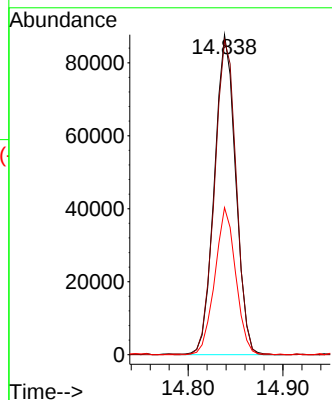
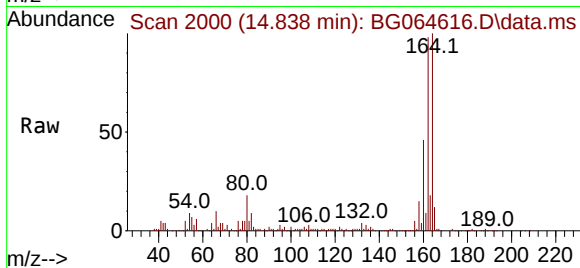
Tgt Ion:164 Resp: 136373

Ion Ratio Lower Upper

164 100

162 98.4 77.0 115.6

160 46.0 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 16.073 ng

RT: 16.319 min Scan# 2252

Delta R.T. -0.004 min

Lab File: BG064616.D

Acq: 29 Oct 2025 00:41

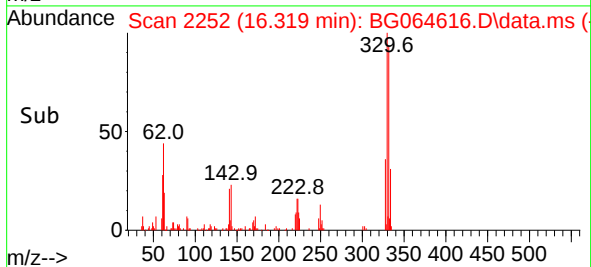
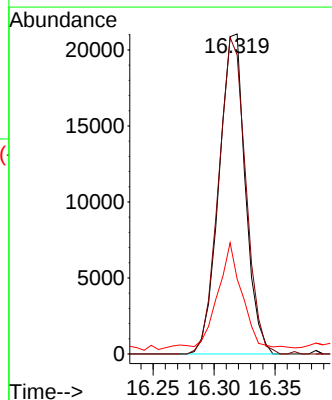
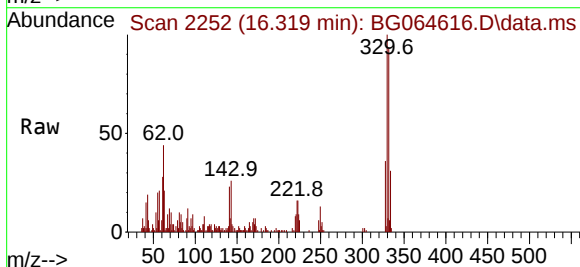
Tgt Ion:330 Resp: 31636

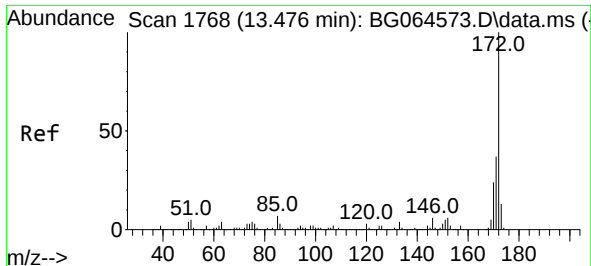
Ion Ratio Lower Upper

330 100

332 101.7 78.0 117.0

141 32.3 21.8 32.6

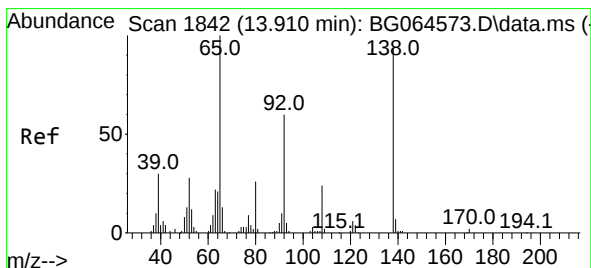
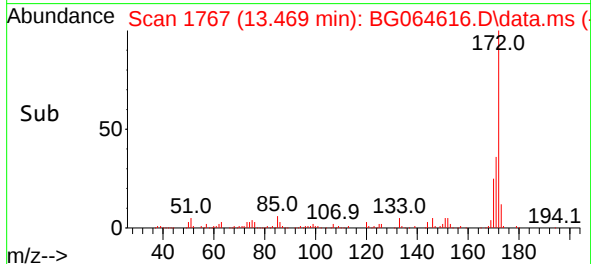
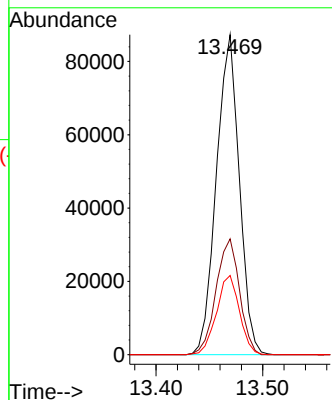
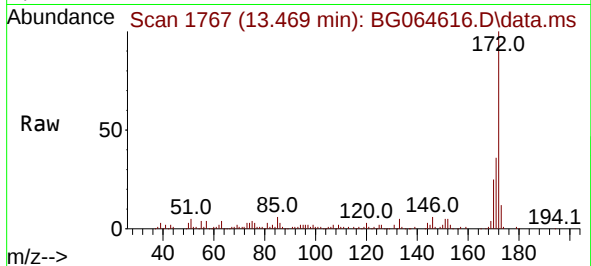




#45
2-Fluorobiphenyl
Concen: 14.463 ng
RT: 13.469 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

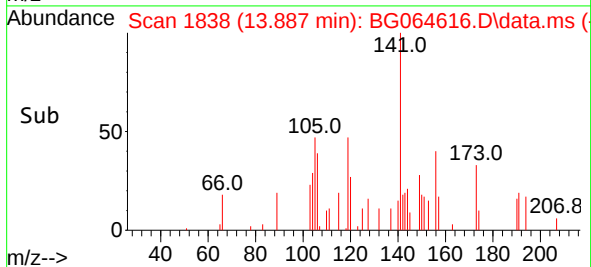
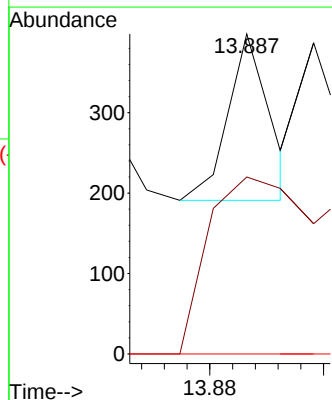
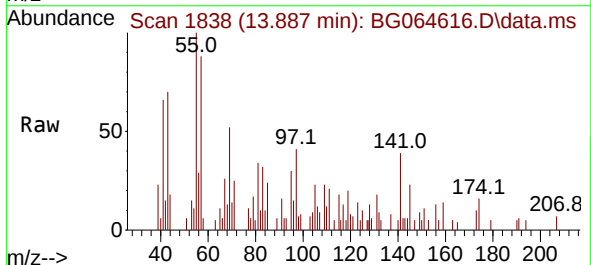
Instrument :
BNA_G
ClientSampleId :
SU-03-10242025

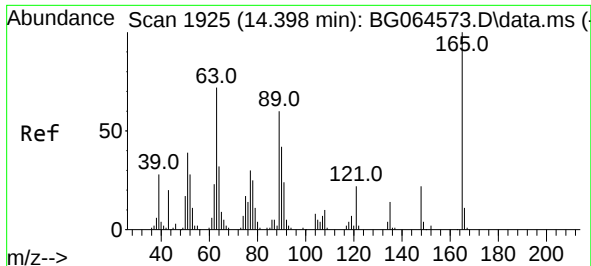
Tgt Ion:172 Resp: 130128
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.8 19.1 28.7



#48
2-Nitroaniline
Concen: 3.265 ng
RT: 13.887 min Scan# 1838
Delta R.T. -0.027 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

Tgt Ion: 65 Resp: 106
Ion Ratio Lower Upper
65 100
92 55.3 48.3 72.5
138 0.0 74.9 112.3#

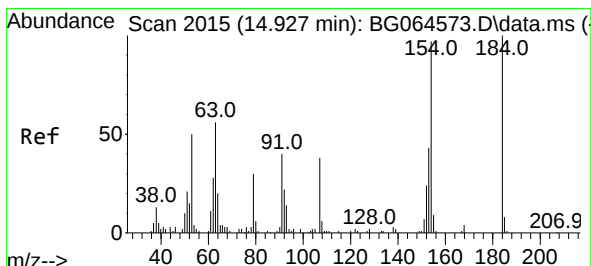
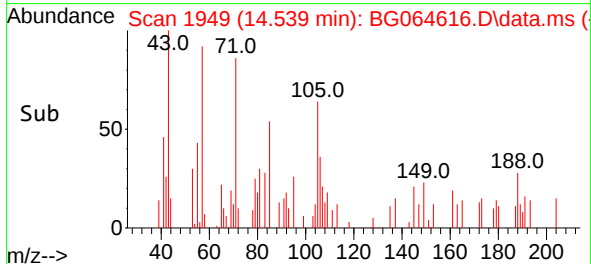
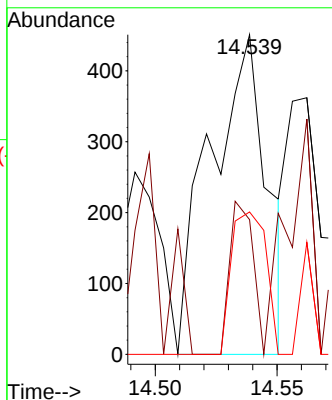
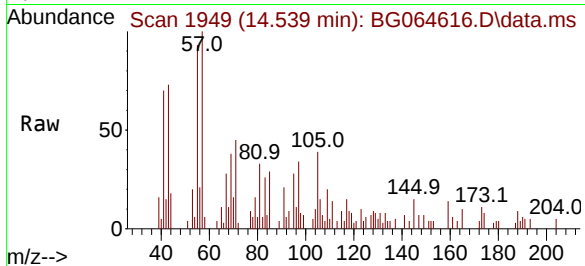




#51
2,6-Dinitrotoluene
Concen: 3.590 ng
RT: 14.539 min Scan# 1925
Delta R.T. 0.137 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

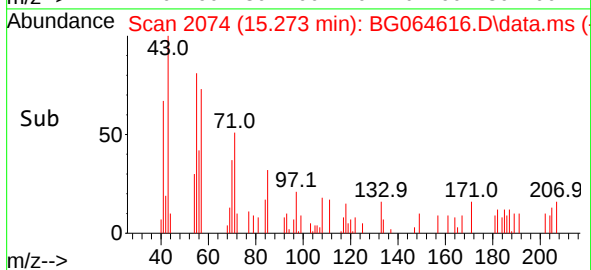
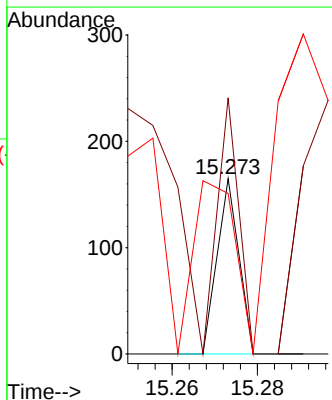
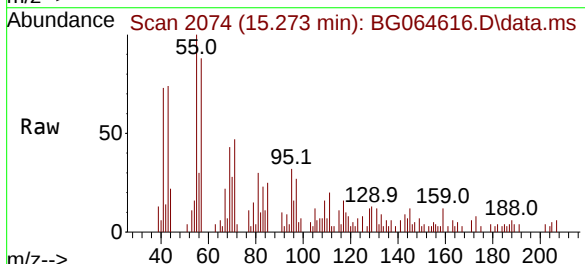
Instrument :
BNA_G
ClientSampleId :
SU-03-10242025

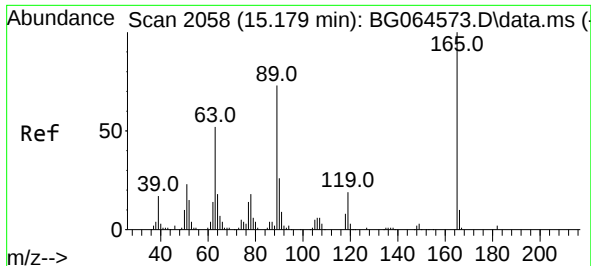
Tgt Ion:165 Resp: 732
Ion Ratio Lower Upper
165 100
63 42.1 57.4 86.0#
89 44.6 47.8 71.8#



#54
2,4-Dinitrophenol
Concen: 5.623 ng
RT: 15.273 min Scan# 2074
Delta R.T. 0.343 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 146.1 56.6 85.0#
154 91.5 158.6 238.0#





#57

2,4-Dinitrotoluene

Concen: 3.299 ng

RT: 15.126 min Scan# 2058

Delta R.T. -0.063 min

Lab File: BG064616.D

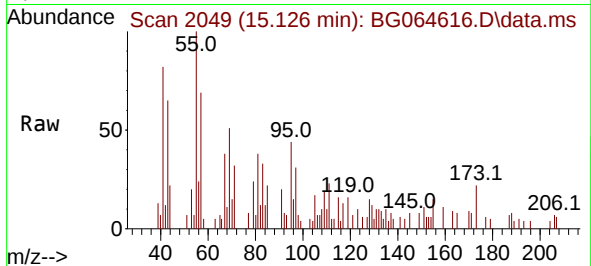
Acq: 29 Oct 2025 00:41

Instrument :

BNA_G

ClientSampleId :

SU-03-10242025



Tgt Ion:165 Resp: 706

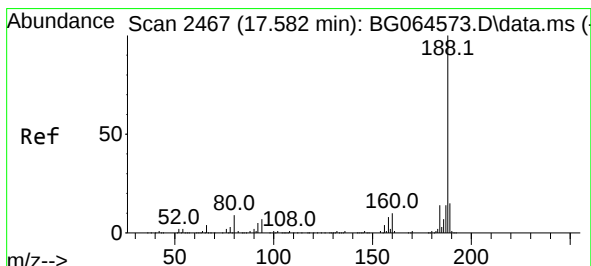
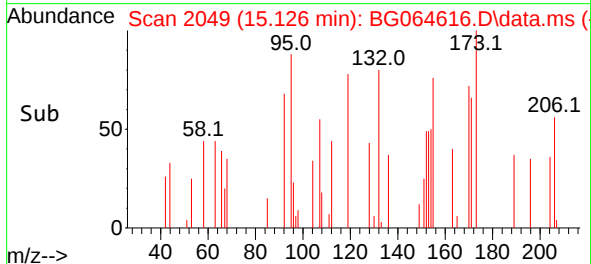
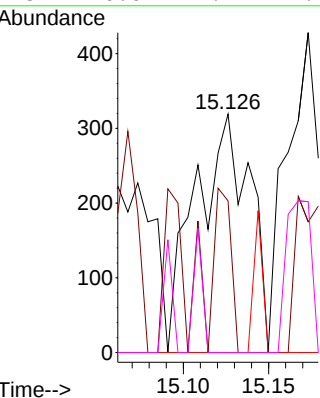
Ion Ratio Lower Upper

165 100

63 63.6 41.8 62.8#

89 0.0 58.1 87.1#

182 0.0 1.4 2.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.576 min Scan# 2466

Delta R.T. -0.004 min

Lab File: BG064616.D

Acq: 29 Oct 2025 00:41

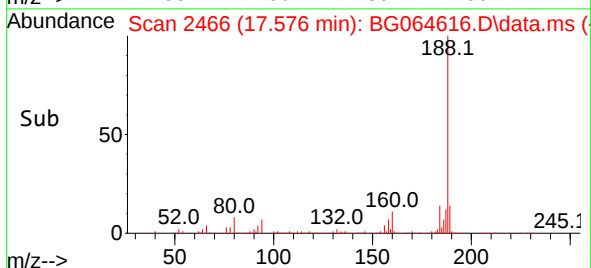
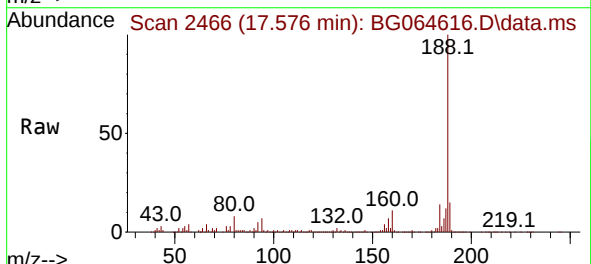
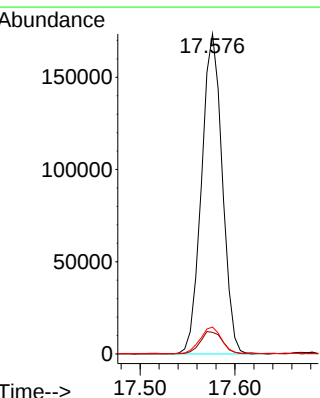
Tgt Ion:188 Resp: 263678

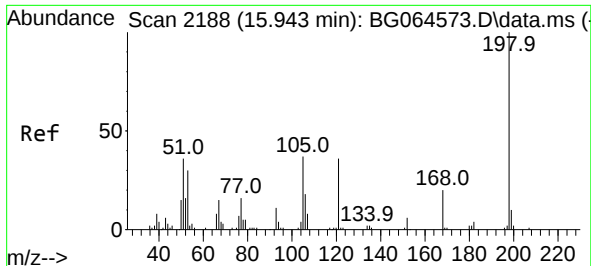
Ion Ratio Lower Upper

188 100

94 6.8 5.7 8.5

80 8.4 6.8 10.2

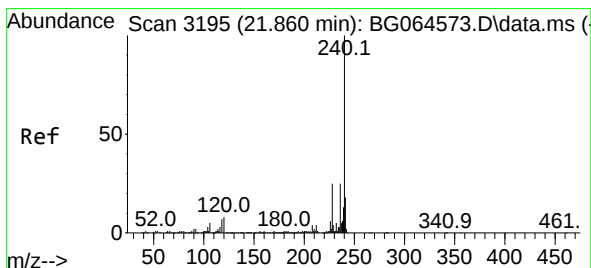
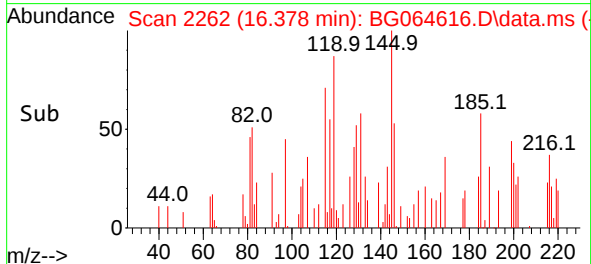
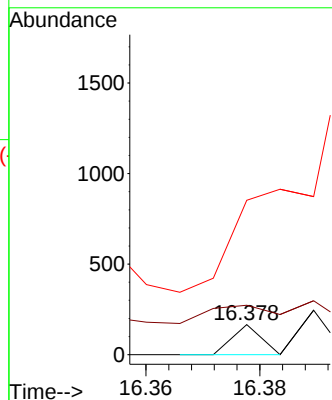
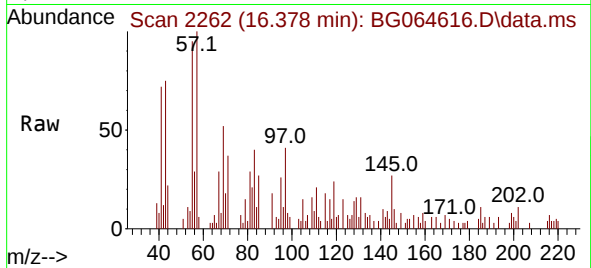




#65
4,6-Dinitro-2-methylphenol
Concen: 5.471 ng
RT: 16.378 min Scan# 2188
Delta R.T. 0.431 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

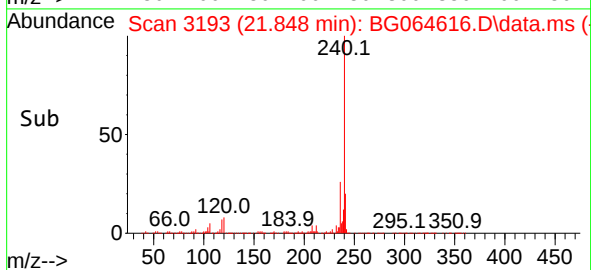
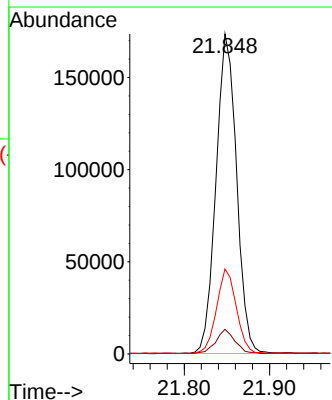
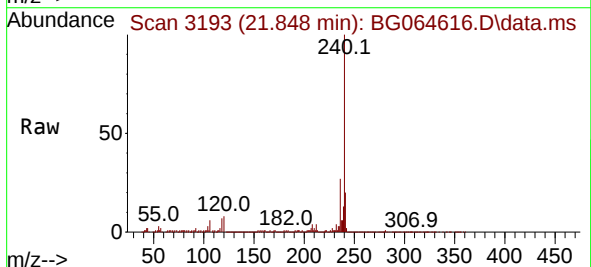
Instrument :
BNA_G
ClientSampleId :
SU-03-10242025

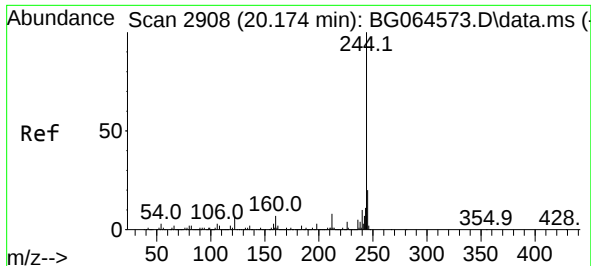
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 164.5 24.7 64.7#
105 513.9 18.0 58.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064616.D
Acq: 29 Oct 2025 00:41

Tgt Ion:240 Resp: 290458
Ion Ratio Lower Upper
240 100
120 7.7 6.5 9.7
236 26.6 20.2 30.2

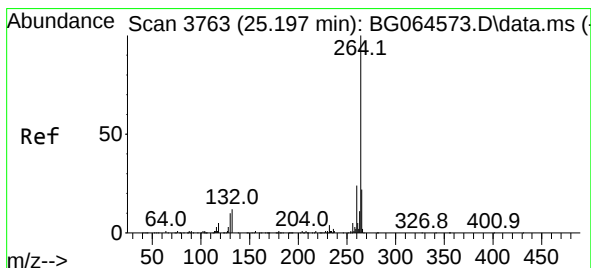
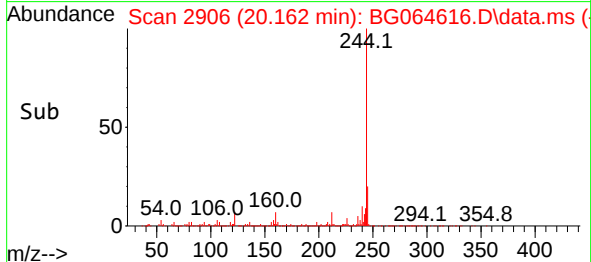
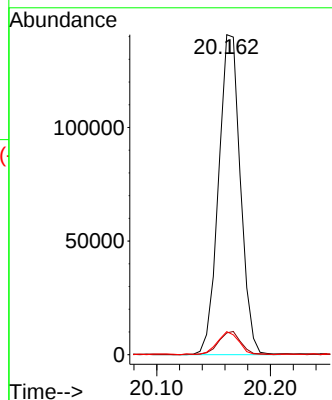
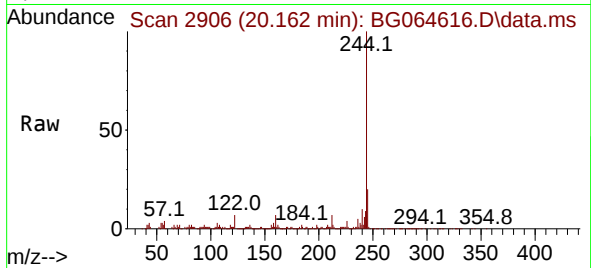




#79
 Terphenyl-d14
 Concen: 12.221 ng
 RT: 20.162 min Scan# 2906
 Delta R.T. -0.016 min
 Lab File: BG064616.D
 Acq: 29 Oct 2025 00:41

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-10242025

Tgt Ion:244 Resp: 188090
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 7.2 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.197 min Scan# 3763
 Delta R.T. -0.004 min
 Lab File: BG064616.D
 Acq: 29 Oct 2025 00:41

Tgt Ion:264 Resp: 321634
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.3 17.6 26.4

