

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
 Data File : BM050461.D
 Acq On : 15 Jul 2025 18:51
 Operator : RC/JU
 Sample : Q2579-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-13-C

Quant Time: Jul 16 02:01:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

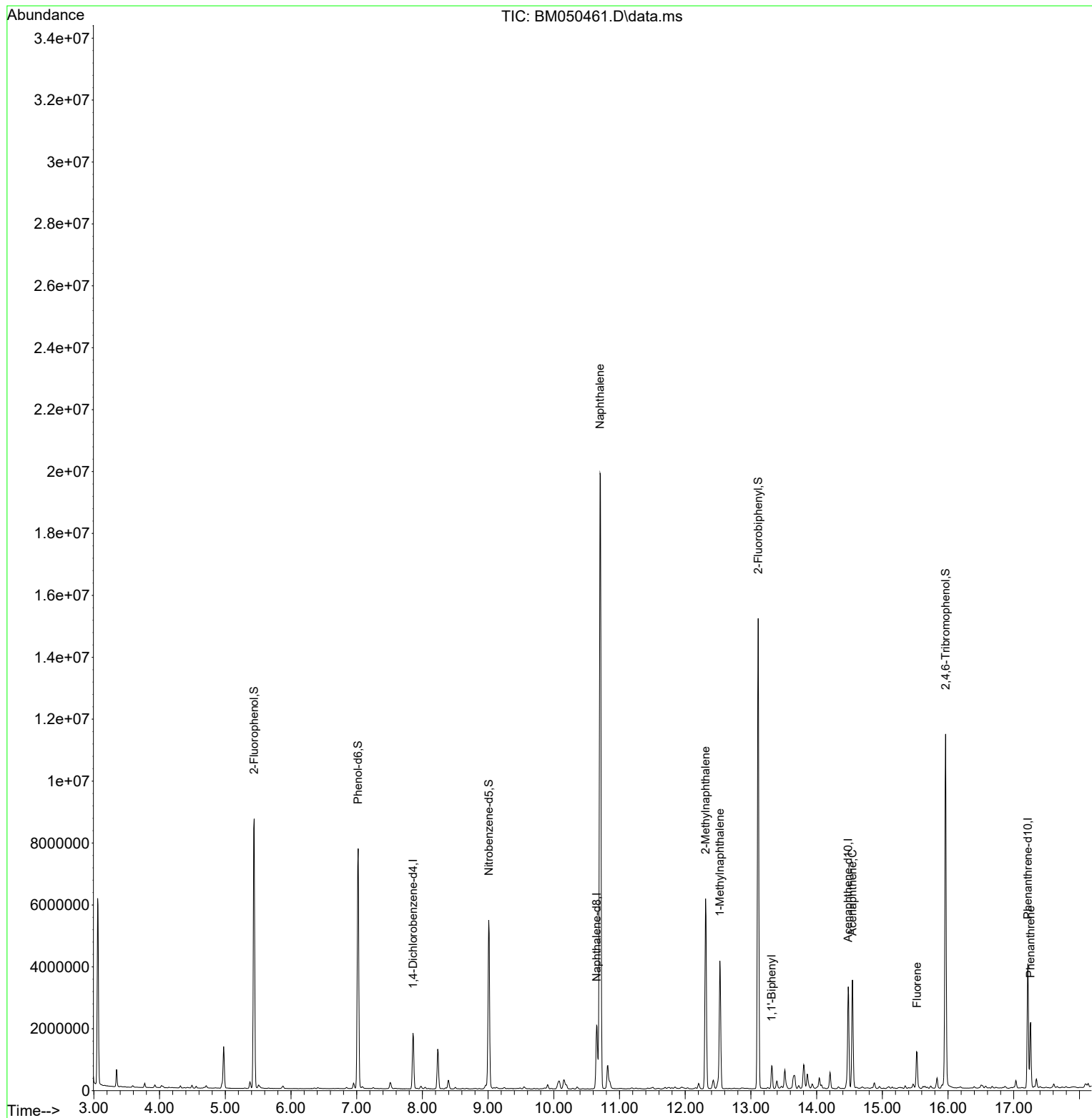
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	509697	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1822441	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	1185090	20.000	ng	-0.01
64) Phenanthrene-d10	17.215	188	2353649	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	2415694	20.000	ng	-0.02
86) Perylene-d12	24.462	264	2549306	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3816425	128.886	ng	0.00
7) Phenol-d6	7.022	99	4413626	118.240	ng	0.00
23) Nitrobenzene-d5	9.010	82	3058960	85.634	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	2256514	156.714	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	7894274	82.263	ng	-0.01
79) Terphenyl-d14	19.827	244	11949213	87.031	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.704	128	16057452	173.468	ng	# 94
37) 2-Methylnaphthalene	12.310	142	2855800	48.861	ng	98
38) 1-Methylnaphthalene	12.528	142	1925228	31.125	ng	99
46) 1,1'-Biphenyl	13.316	154	393195	4.472	ng	100
52) Acenaphthene	14.545	154	1273137	18.901	ng	99
58) Fluorene	15.527	166	566655	6.629	ng	99
71) Phenanthrene	17.257	178	1298144	9.747	ng	99

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

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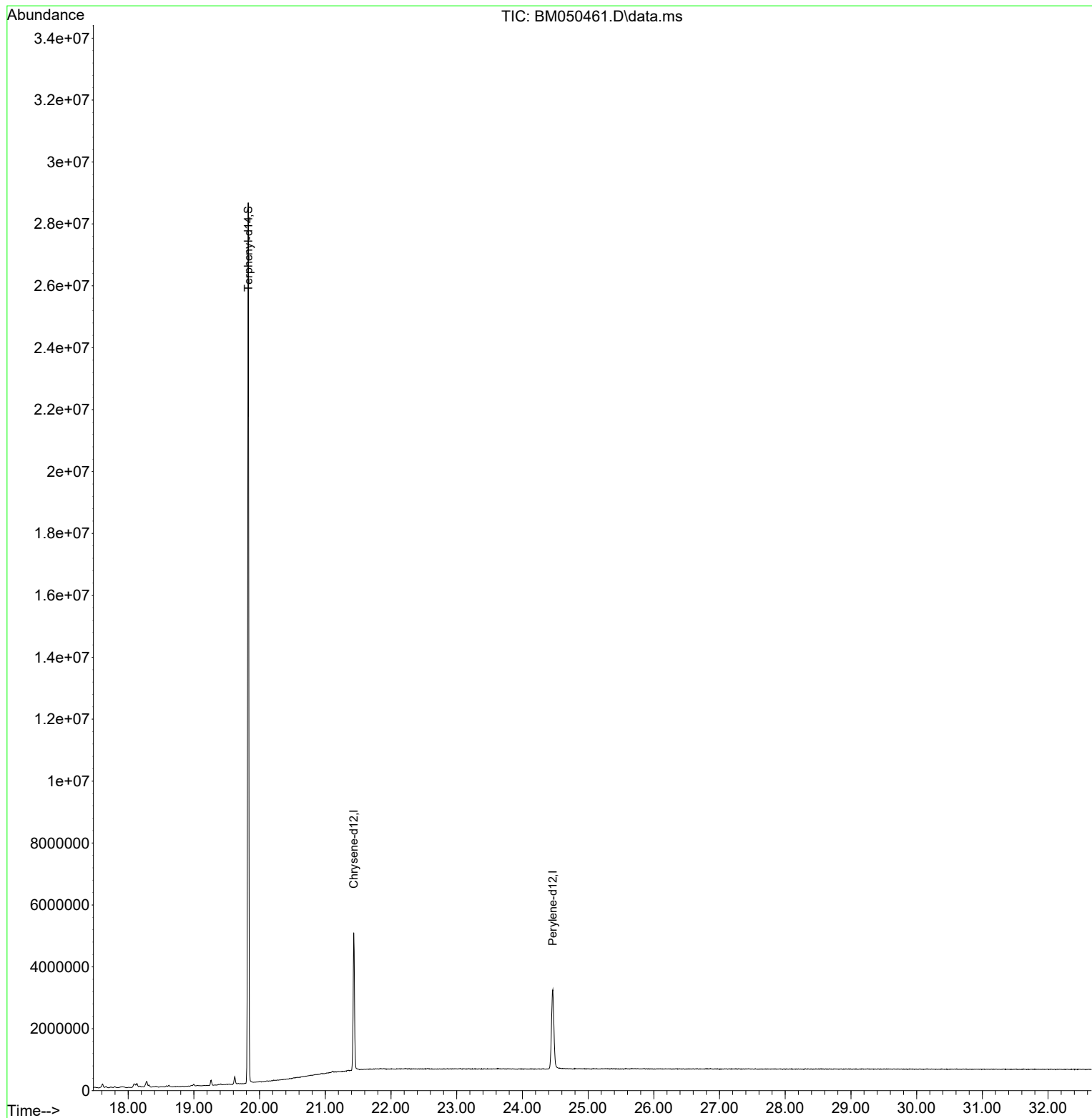
Quant Time: Jul 16 02:01:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

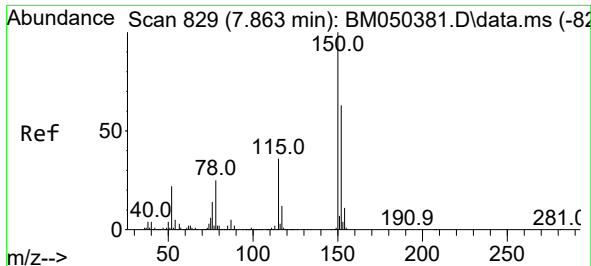


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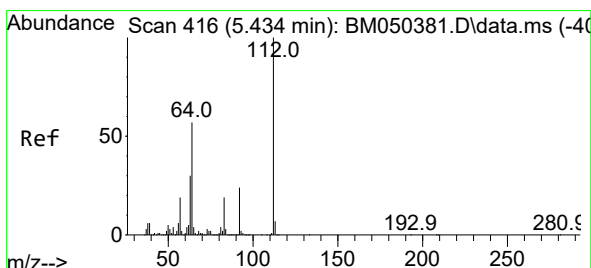
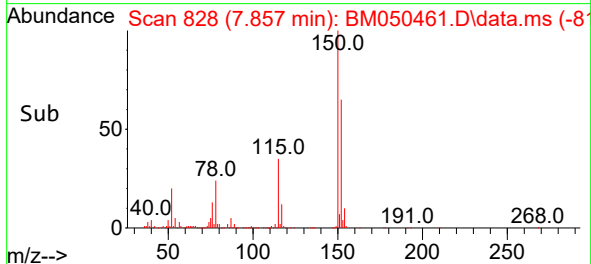
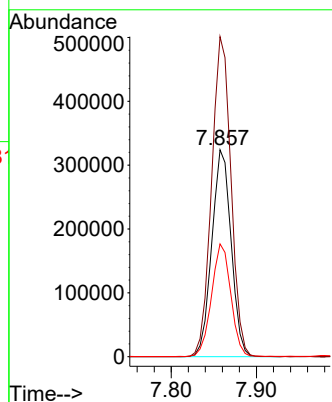
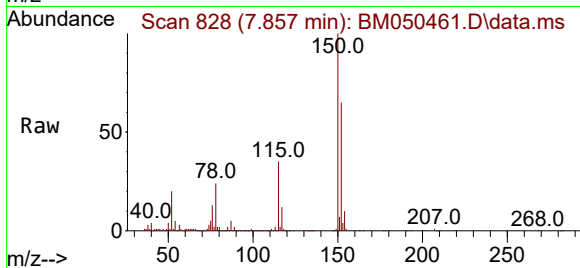




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.857 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM050461.D
 Acq: 15 Jul 2025 18:51

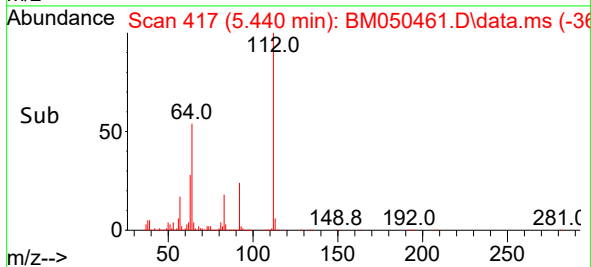
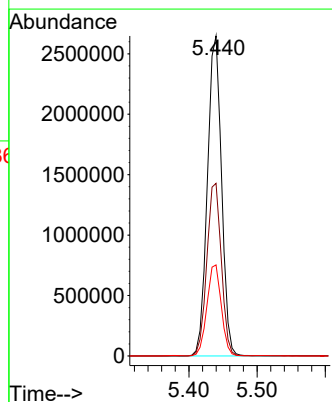
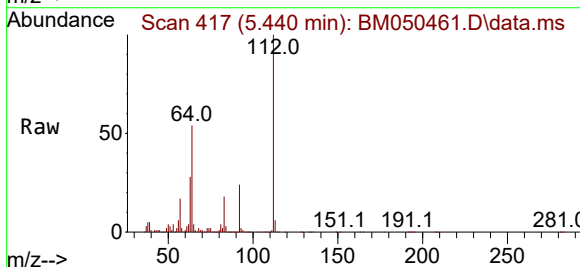
Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-13-C

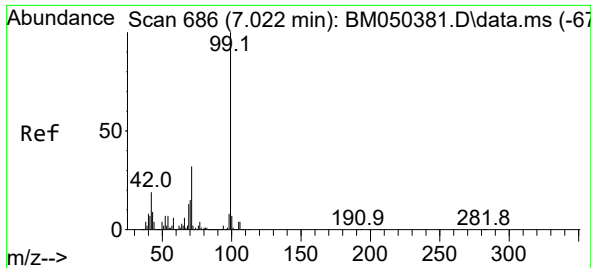
Tgt Ion:152 Resp: 509697
 Ion Ratio Lower Upper
 152 100
 150 154.7 126.2 189.4
 115 54.6 45.8 68.8



#5
 2-Fluorophenol
 Concen: 128.886 ng
 RT: 5.440 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BM050461.D
 Acq: 15 Jul 2025 18:51

Tgt Ion:112 Resp: 3816425
 Ion Ratio Lower Upper
 112 100
 64 53.9 45.5 68.3
 63 28.5 24.2 36.4

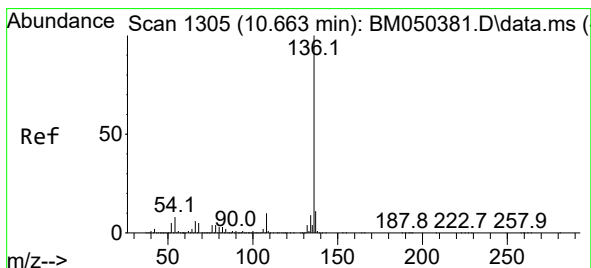
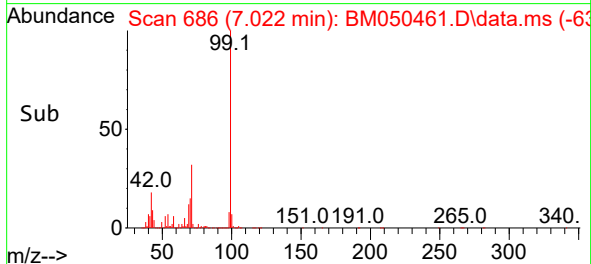
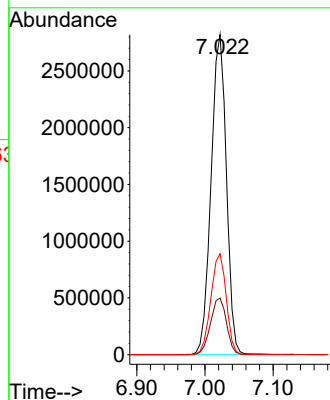
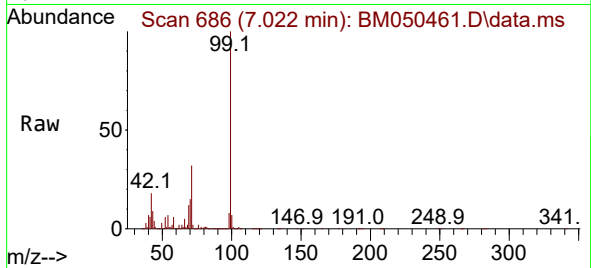




#7
Phenol-d6
Concen: 118.240 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

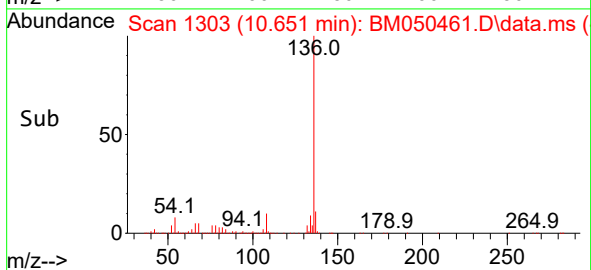
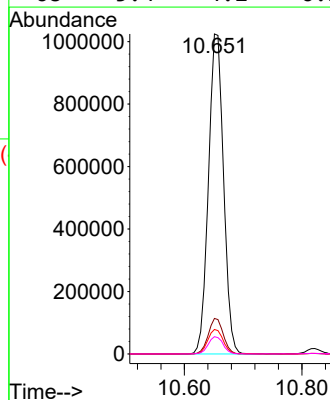
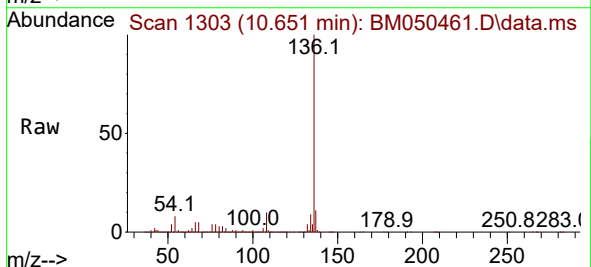
Instrument :
BNA_M
ClientSampleId :
WC-A2-13-C

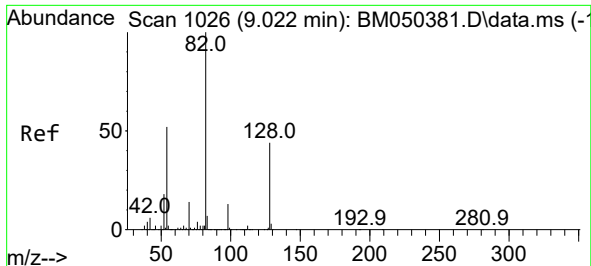
Tgt Ion: 99 Resp: 4413626
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.6
71 31.5 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

Tgt Ion: 136 Resp: 1822441
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 6.3 9.5
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 85.634 ng

RT: 9.010 min Scan# 1024

Delta R.T. -0.012 min

Lab File: BM050461.D

Acq: 15 Jul 2025 18:51

Instrument :

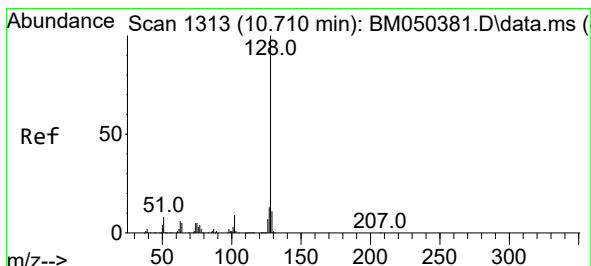
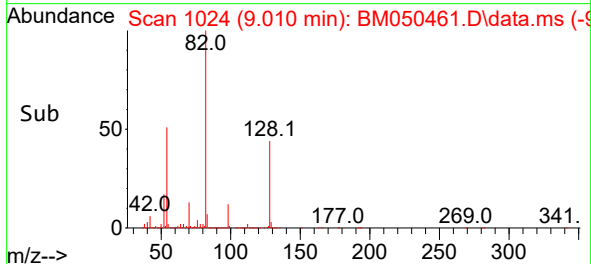
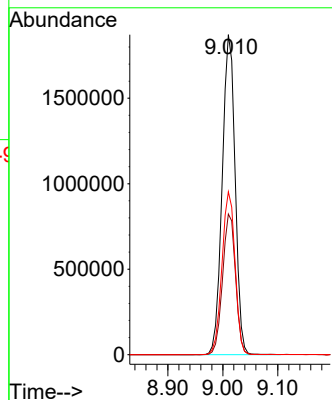
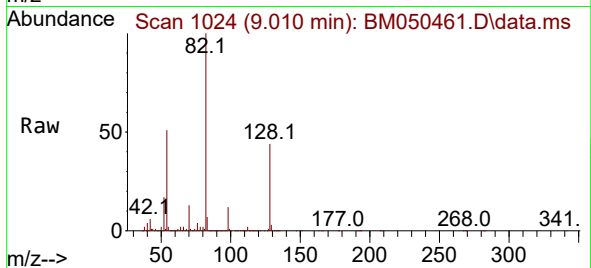
BNA_M

ClientSampleId :

WC-A2-13-C

Tgt Ion: 82 Resp: 3058960

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.2	52.8
54	50.9	41.5	62.3



#31

Naphthalene

Concen: 173.468 ng

RT: 10.704 min Scan# 1312

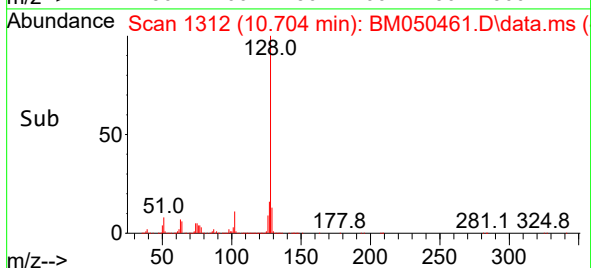
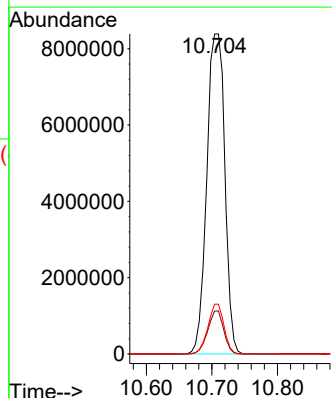
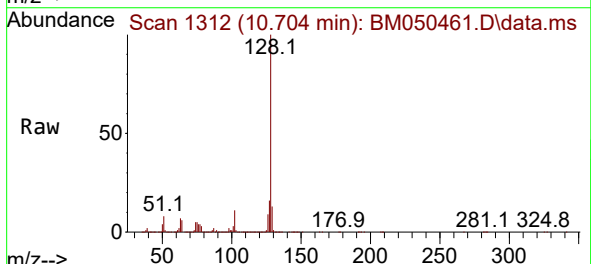
Delta R.T. -0.006 min

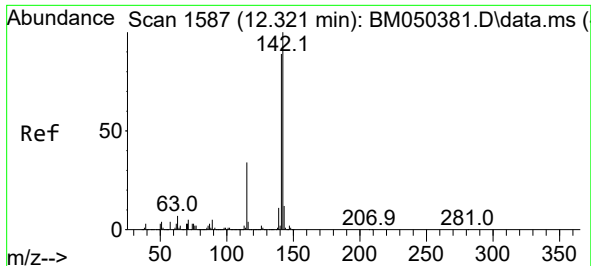
Lab File: BM050461.D

Acq: 15 Jul 2025 18:51

Tgt Ion: 128 Resp: 16057452

Ion	Ratio	Lower	Upper
128	100		
129	13.4	8.8	13.2#
127	15.6	10.4	15.6

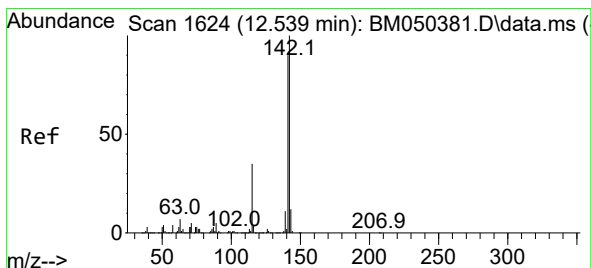
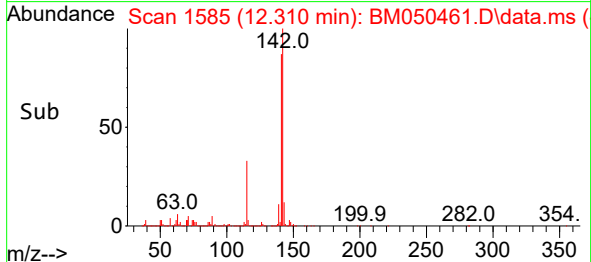
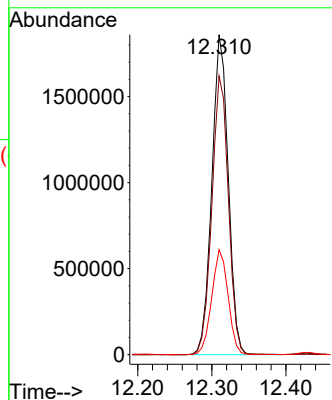
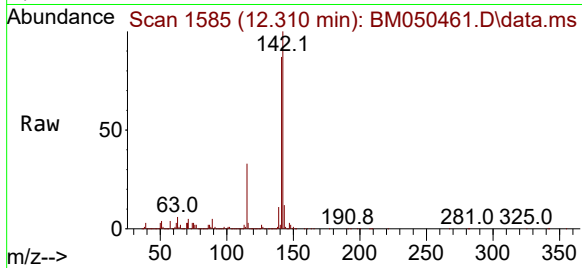




#37
2-Methylnaphthalene
Concen: 48.861 ng
RT: 12.310 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

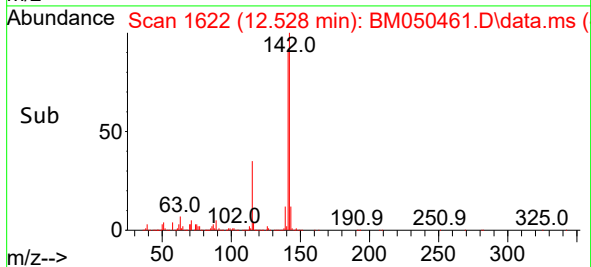
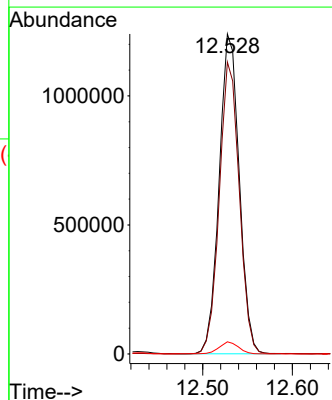
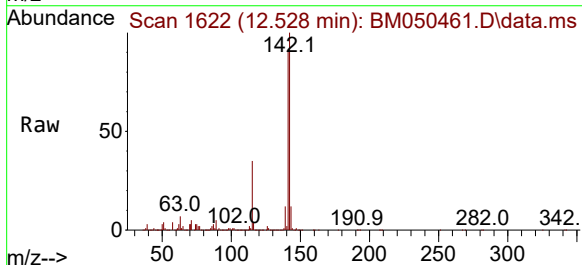
Instrument :
BNA_M
ClientSampleId :
WC-A2-13-C

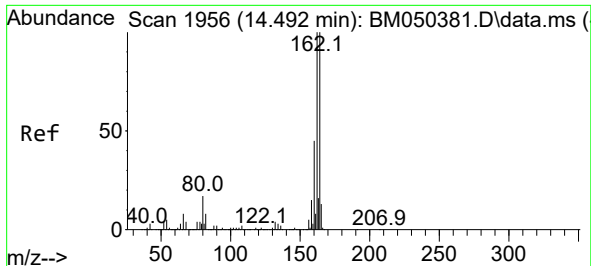
Tgt Ion:142 Resp: 2855800
Ion Ratio Lower Upper
142 100
141 87.0 70.8 106.2
115 32.8 27.0 40.4



#38
1-Methylnaphthalene
Concen: 31.125 ng
RT: 12.528 min Scan# 1622
Delta R.T. -0.012 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

Tgt Ion:142 Resp: 1925228
Ion Ratio Lower Upper
142 100
141 91.2 71.9 107.9
116 3.8 3.0 4.6

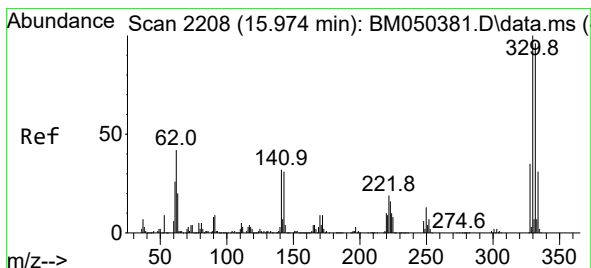
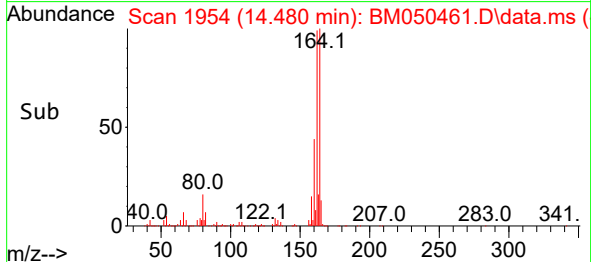
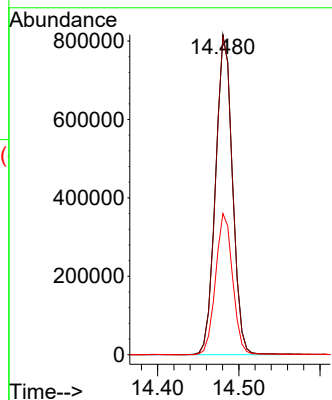
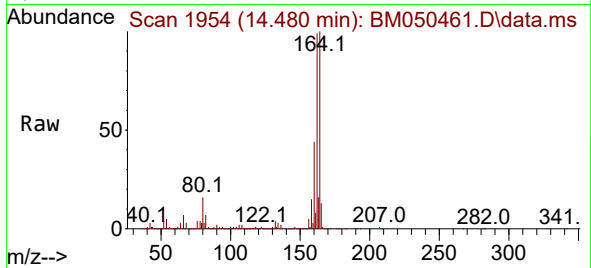




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.012 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

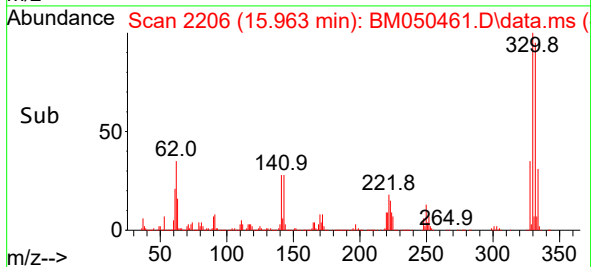
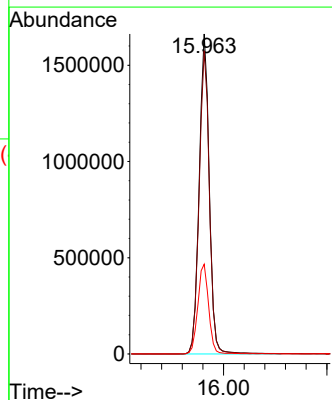
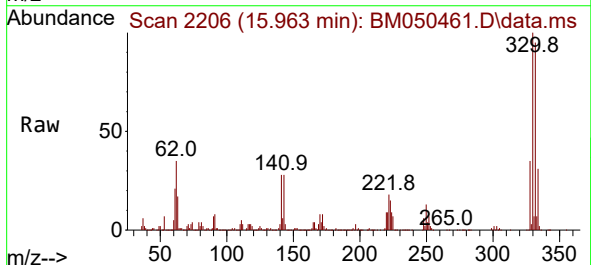
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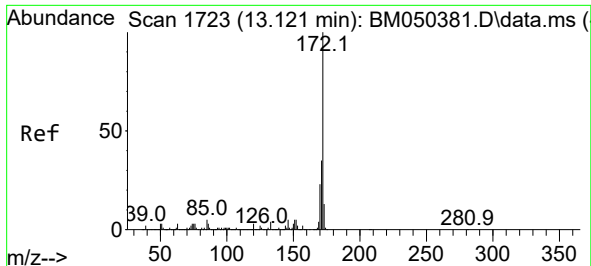
Tgt Ion:164 Resp: 1185090
Ion Ratio Lower Upper
164 100
162 99.3 79.9 119.9
160 44.1 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 156.714 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

Tgt Ion:330 Resp: 2256514
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 30.0 27.4 41.0

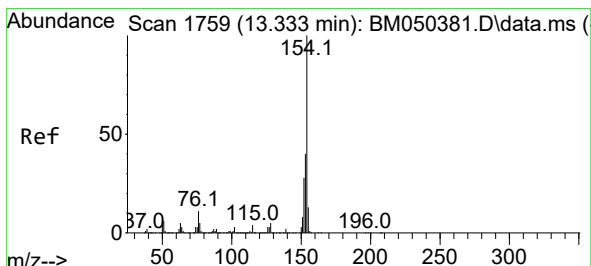
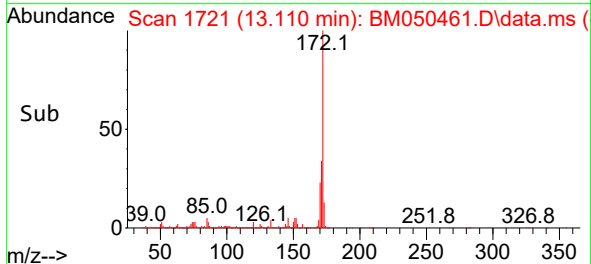
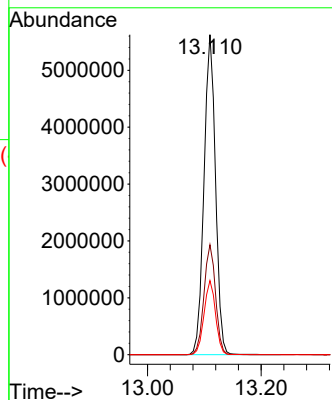
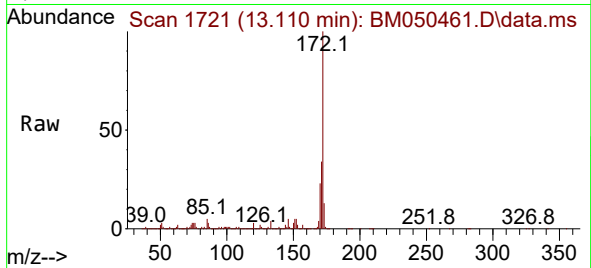




#45
2-Fluorobiphenyl
Concen: 82.263 ng
RT: 13.110 min Scan# 1721
Delta R.T. -0.012 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

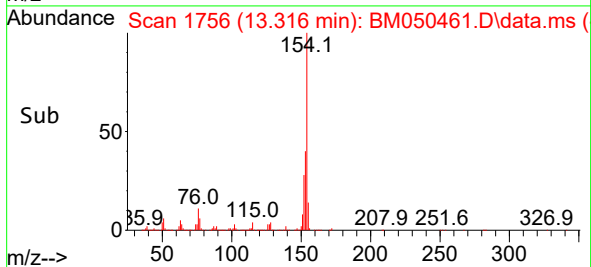
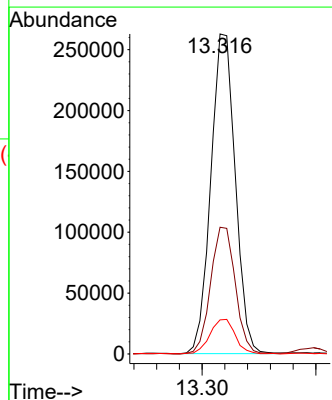
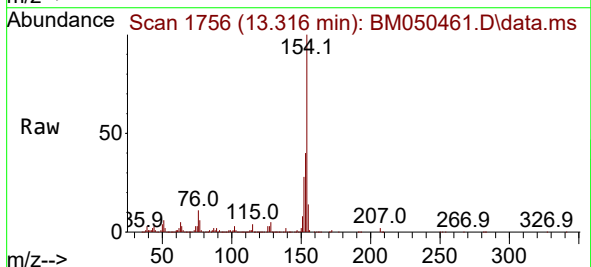
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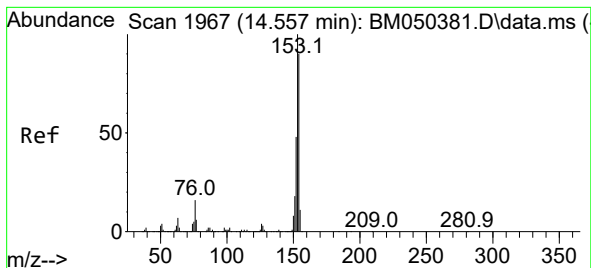
Tgt Ion:172 Resp: 7894274
Ion Ratio Lower Upper
172 100
171 34.4 27.7 41.5
170 23.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 4.472 ng
RT: 13.316 min Scan# 1756
Delta R.T. -0.017 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

Tgt Ion:154 Resp: 393195
Ion Ratio Lower Upper
154 100
153 39.6 19.7 59.7
76 10.6 0.0 30.9





#52

Acenaphthene

Concen: 18.901 ng

RT: 14.545 min Scan# 1965

Delta R.T. -0.012 min

Lab File: BM050461.D

Acq: 15 Jul 2025 18:51

Instrument :

BNA_M

ClientSampleId :

WC-A2-13-C

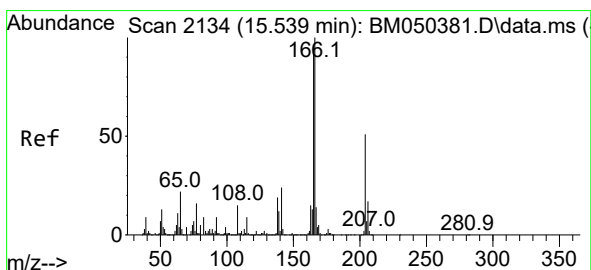
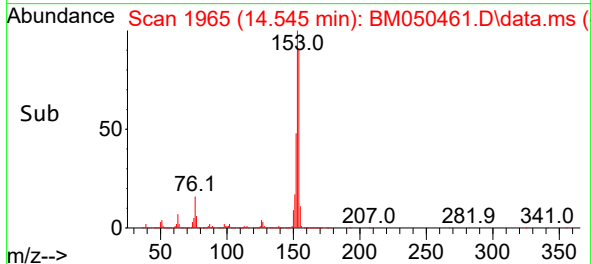
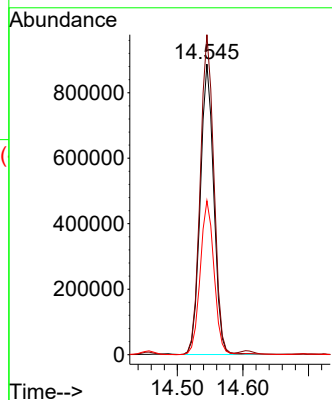
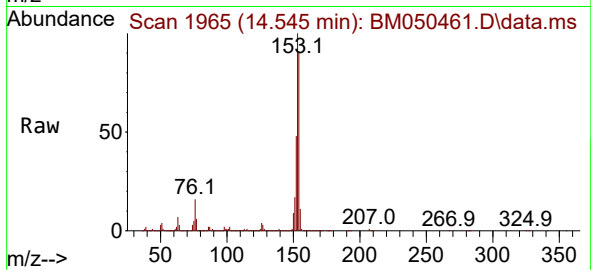
Tgt Ion:154 Resp: 1273137

Ion Ratio Lower Upper

154 100

153 110.2 89.2 133.8

152 53.0 42.6 64.0



#58

Fluorene

Concen: 6.629 ng

RT: 15.527 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BM050461.D

Acq: 15 Jul 2025 18:51

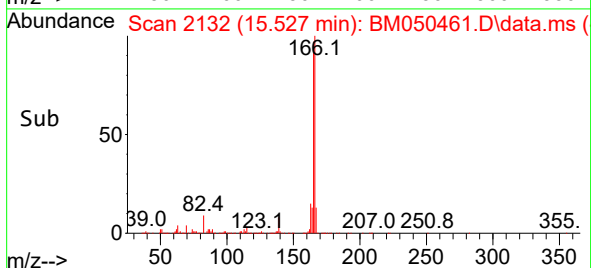
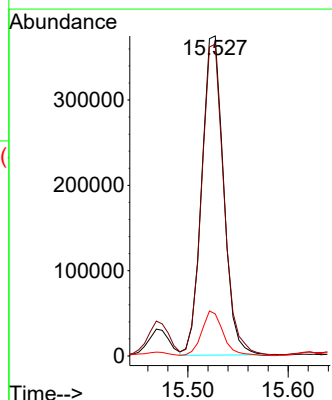
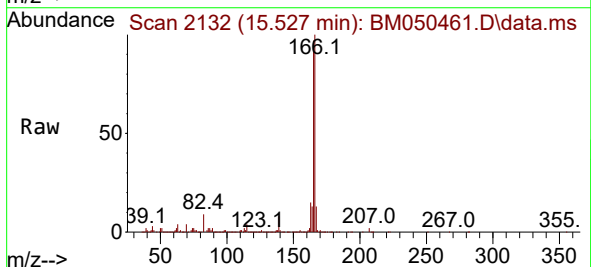
Tgt Ion:166 Resp: 566655

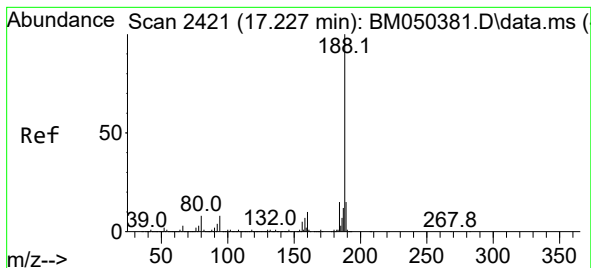
Ion Ratio Lower Upper

166 100

165 97.5 77.0 115.6

167 13.2 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BM050461.D

Acq: 15 Jul 2025 18:51

Instrument :

BNA_M

ClientSampleId :

WC-A2-13-C

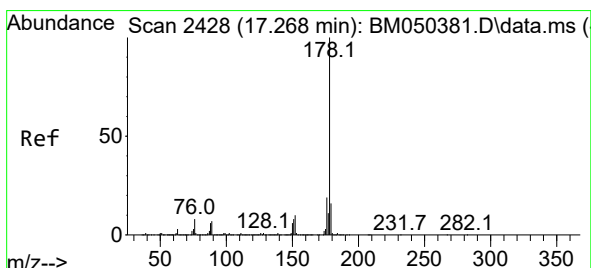
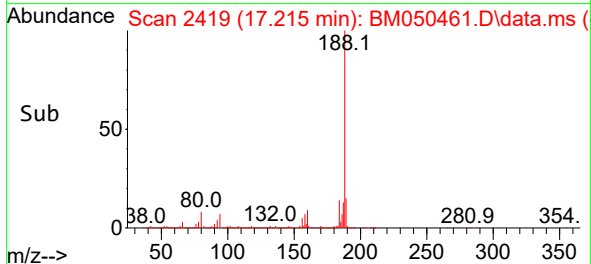
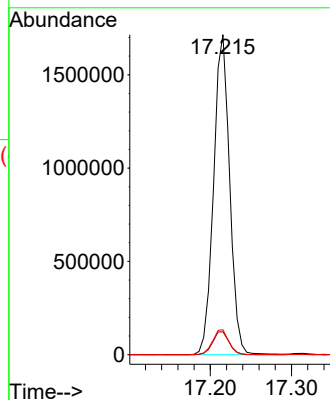
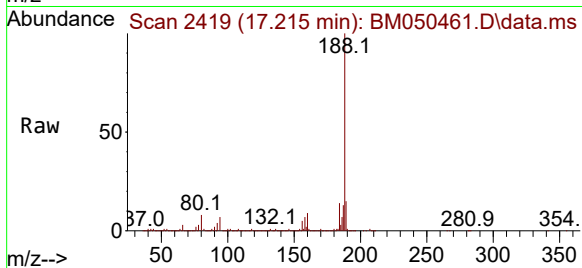
Tgt Ion:188 Resp: 2353649

Ion Ratio Lower Upper

188 100

94 7.2 6.0 9.0

80 7.8 6.5 9.7



#71

Phenanthrene

Concen: 9.747 ng

RT: 17.257 min Scan# 2426

Delta R.T. -0.012 min

Lab File: BM050461.D

Acq: 15 Jul 2025 18:51

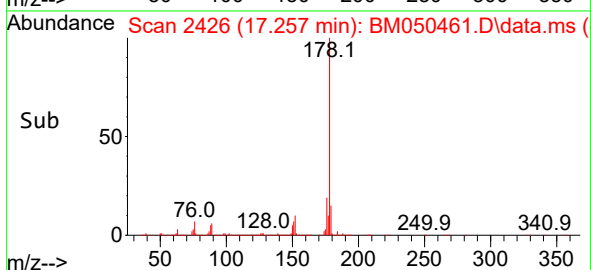
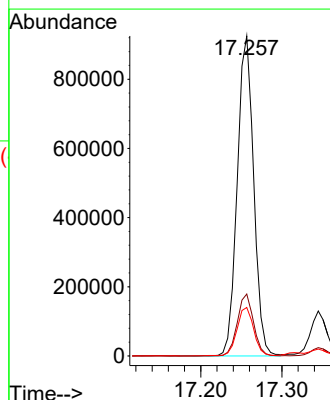
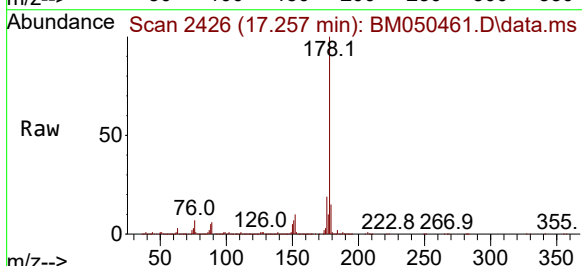
Tgt Ion:178 Resp: 1298144

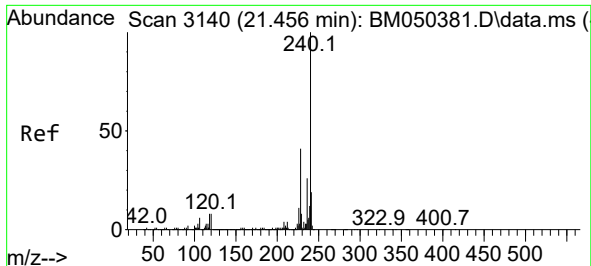
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.2 12.5 18.7

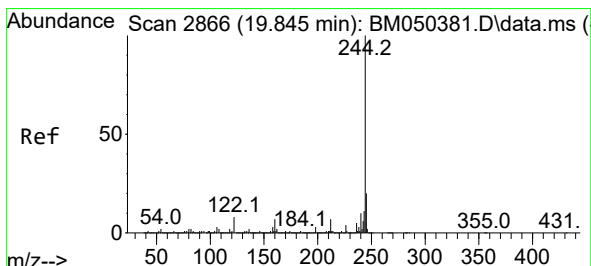
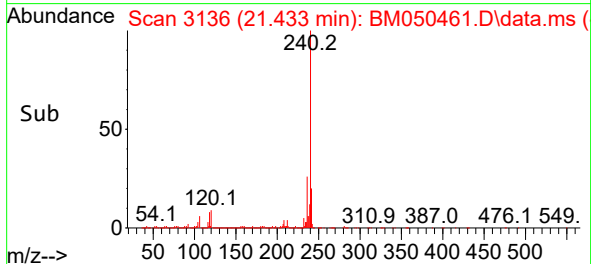
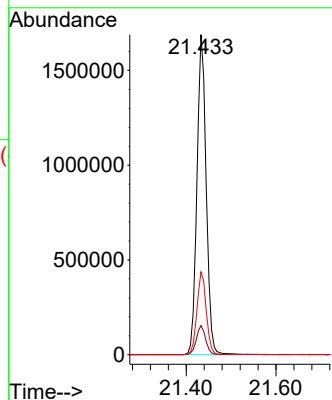
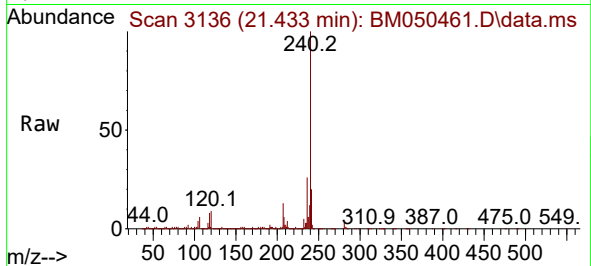




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3140
Delta R.T. -0.023 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

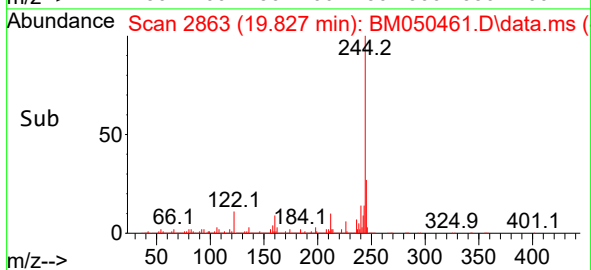
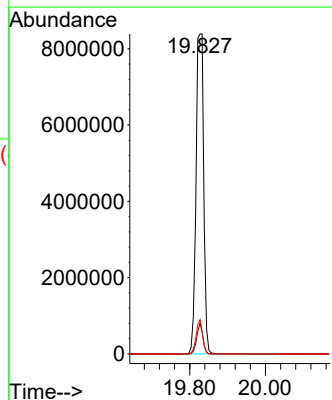
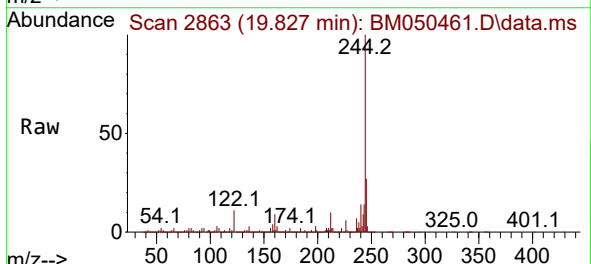
Instrument :
BNA_M
ClientSampleId :
WC-A2-13-C

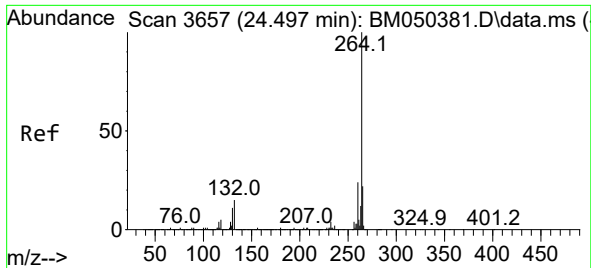
Tgt Ion:240 Resp: 2415694
Ion Ratio Lower Upper
240 100
120 9.1 6.7 10.1
236 25.9 20.7 31.1



#79
Terphenyl-d14
Concen: 87.031 ng
RT: 19.827 min Scan# 2863
Delta R.T. -0.018 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

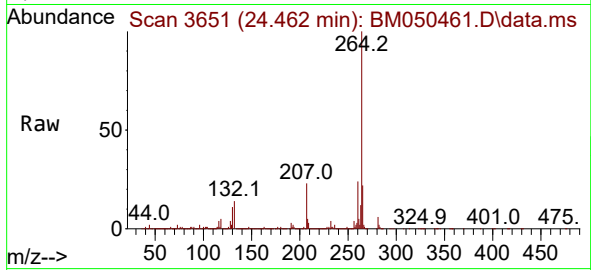
Tgt Ion:244 Resp:11949213
Ion Ratio Lower Upper
244 100
212 9.5 5.7 8.5#
122 10.7 6.2 9.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 30
Delta R.T. -0.035 min
Lab File: BM050461.D
Acq: 15 Jul 2025 18:51

Instrument :
BNA_M
ClientSampleId :
WC-A2-13-C



Tgt Ion:264 Resp: 2549306

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	17.8	26.6

