

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050439.D
 Acq On : 14 Jul 2025 23:34
 Operator : RC/JU
 Sample : Q2578-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-09-C

Quant Time: Jul 15 02:05:48 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)

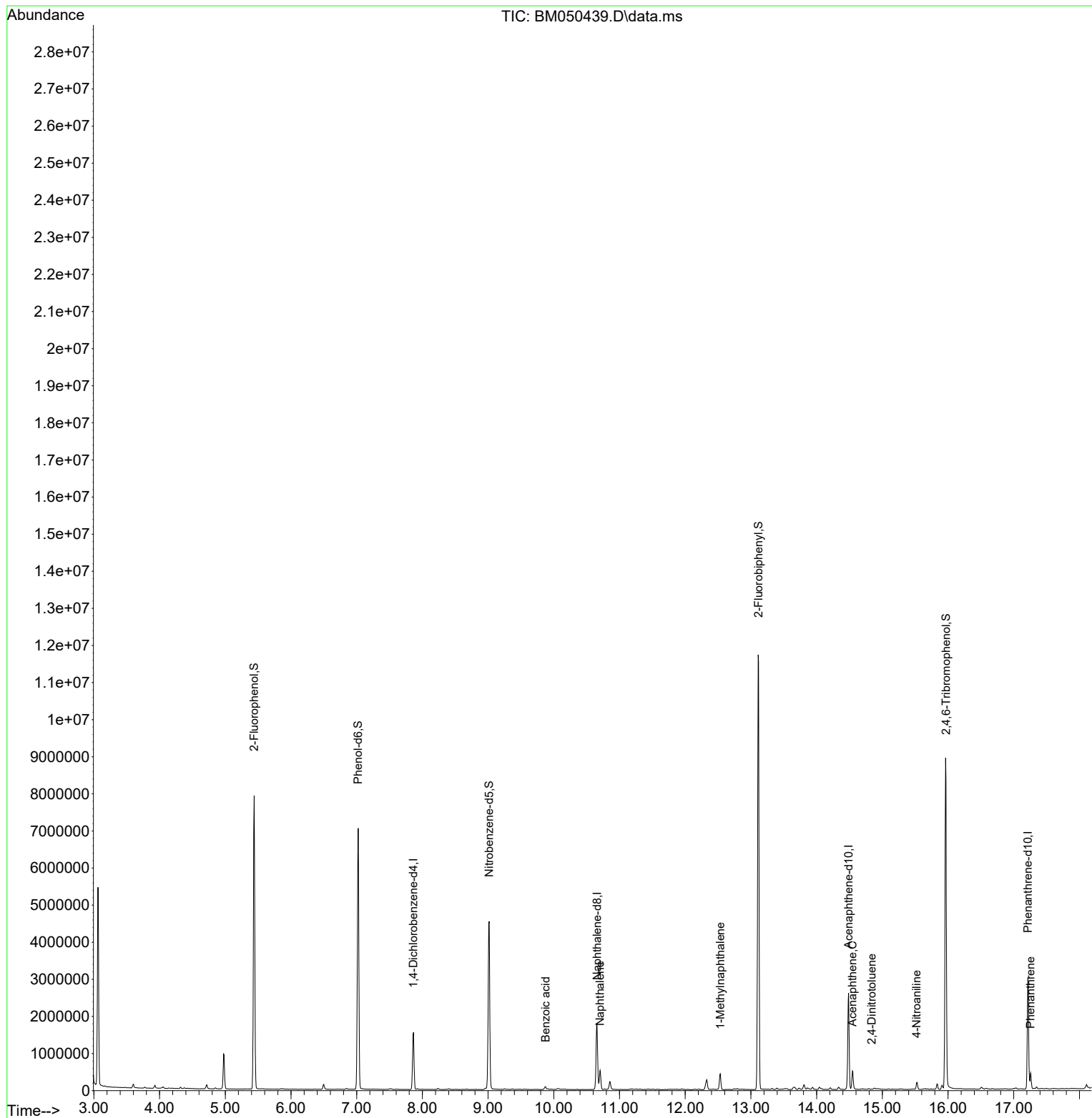
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	411418	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1469594	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	901307	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1748222	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	1798338	20.000	ng	-0.02
86) Perylene-d12	24.468	264	1921480	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3287677	137.552	ng	0.00
7) Phenol-d6	7.022	99	3815235	126.625	ng	0.00
23) Nitrobenzene-d5	9.016	82	2553831	88.658	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1703848	155.589	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6159994	84.402	ng	0.00
79) Terphenyl-d14	19.827	244	10338595	101.151	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.704	128	397005	5.319	ng	99
32) Benzoic acid	9.875	122	26605	7.677	ng	97
38) 1-Methylnaphthalene	12.533	142	193865	3.887	ng	97
52) Acenaphthene	14.545	154	171714	3.352	ng	98
57) 2,4-Dinitrotoluene	14.839	165	891	2.771	ng	# 63
62) 4-Nitroaniline	15.521	138	834	2.641	ng	# 20
71) Phenanthrene	17.257	178	243662	2.463	ng	98

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

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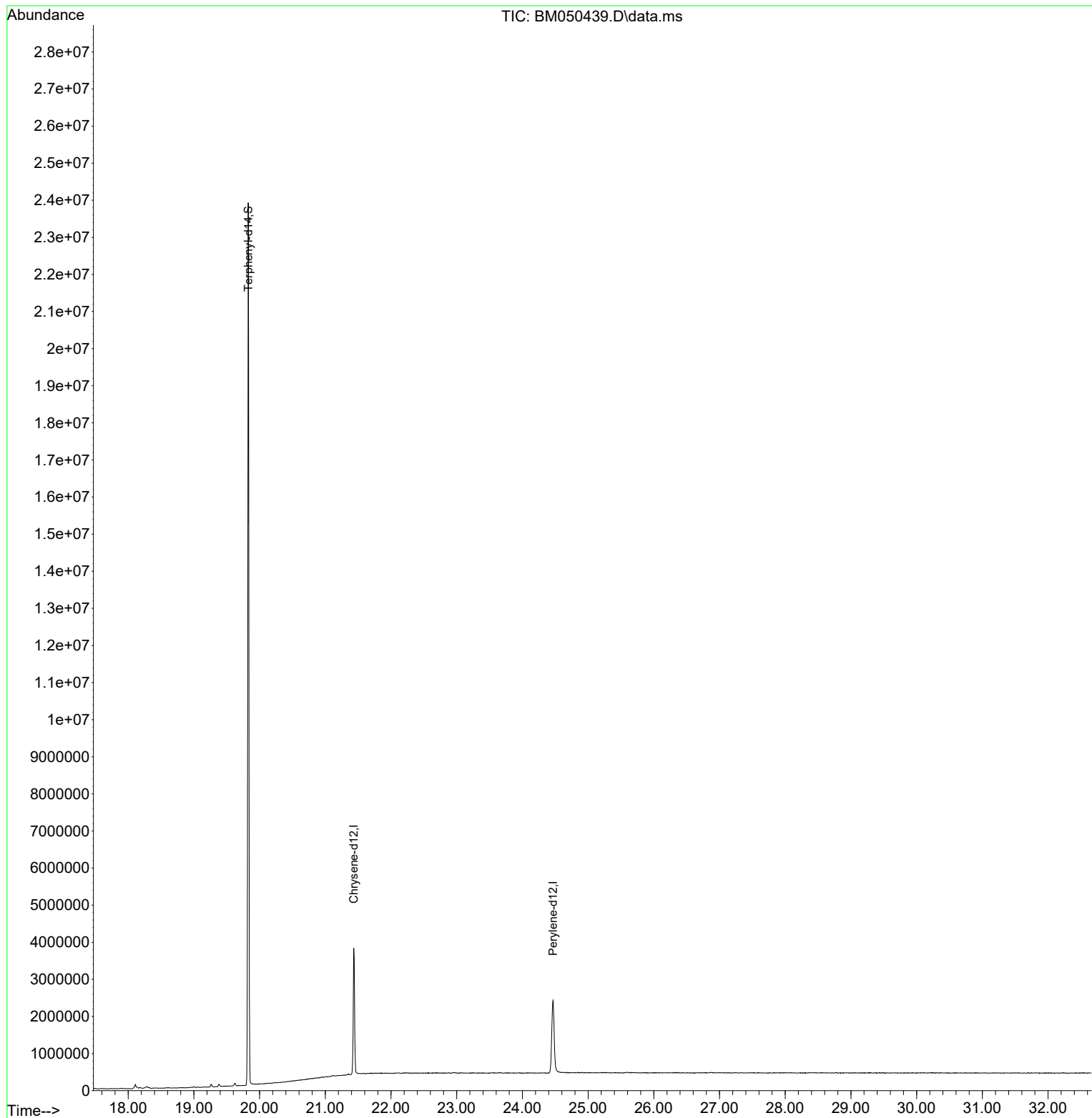
Quant Time: Jul 15 02:05:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

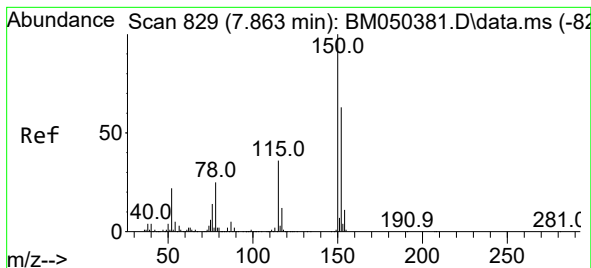


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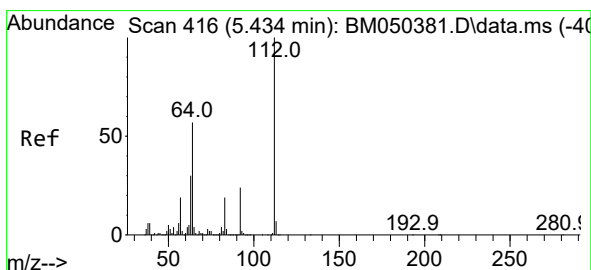
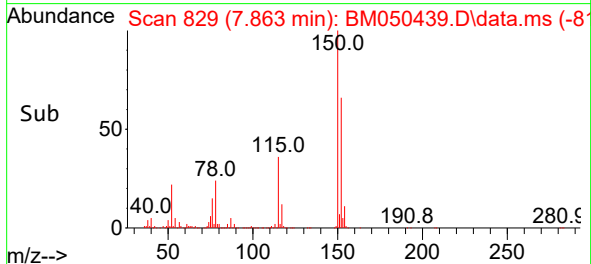
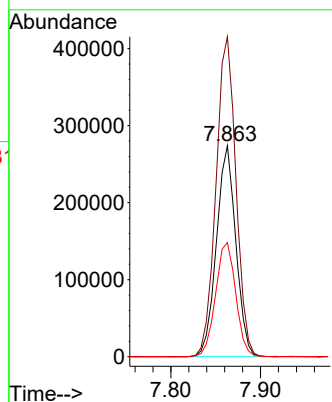
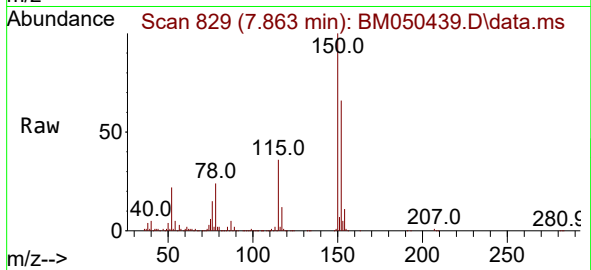




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050439.D
 Acq: 14 Jul 2025 23:34

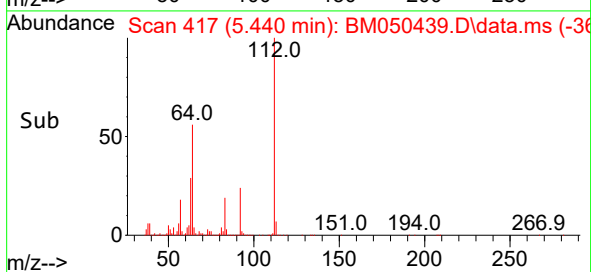
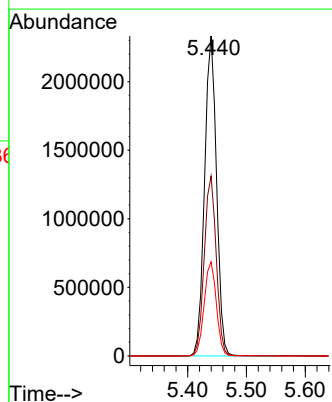
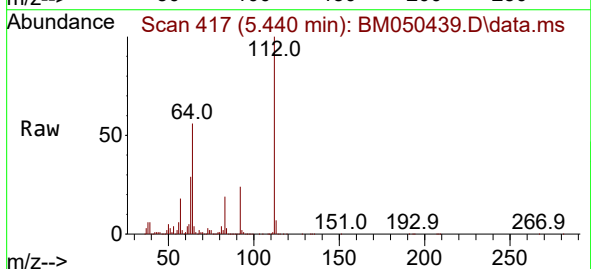
Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-09-C

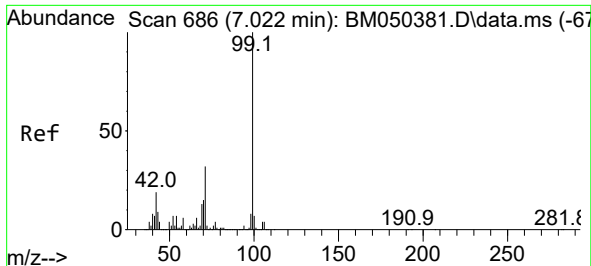
Tgt Ion:152 Resp: 411418
 Ion Ratio Lower Upper
 152 100
 150 151.6 126.2 189.4
 115 54.0 45.8 68.8



#5
 2-Fluorophenol
 Concen: 137.552 ng
 RT: 5.440 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BM050439.D
 Acq: 14 Jul 2025 23:34

Tgt Ion:112 Resp: 3287677
 Ion Ratio Lower Upper
 112 100
 64 56.2 45.5 68.3
 63 29.4 24.2 36.4

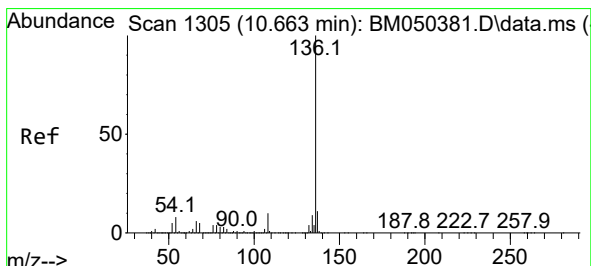
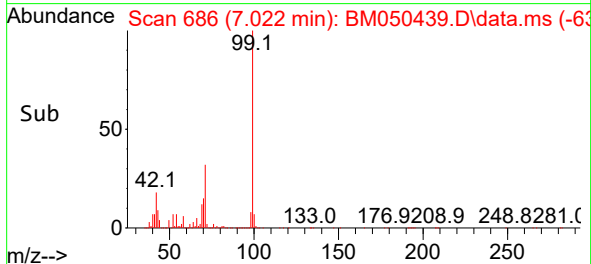
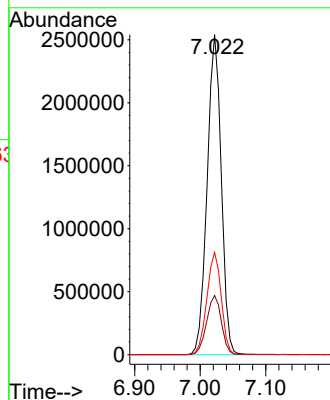
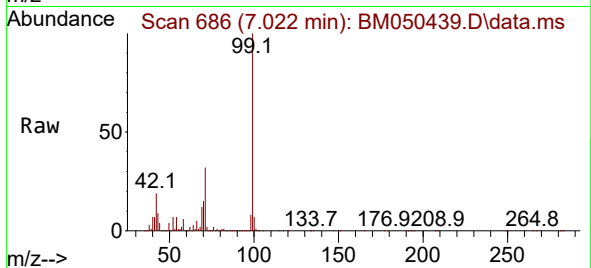




#7
Phenol-d6
Concen: 126.625 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

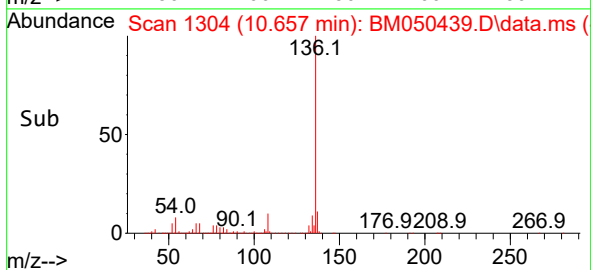
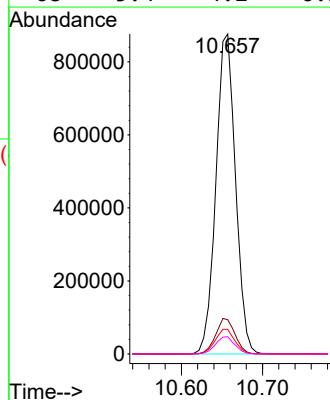
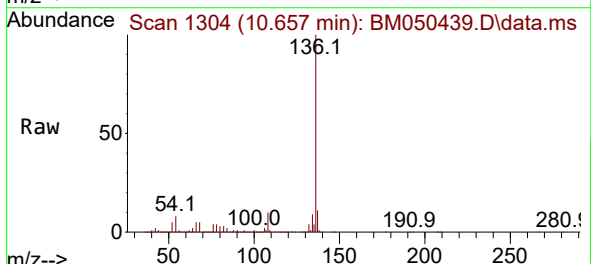
Instrument :
BNA_M
ClientSampleId :
WC-A2-09-C

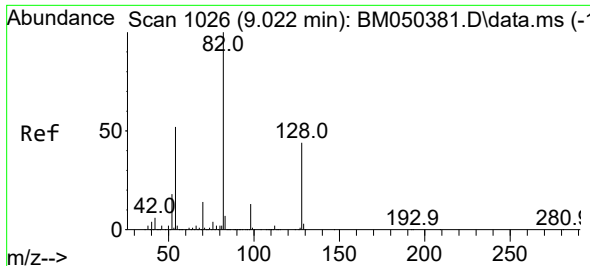
Tgt Ion: 99 Resp: 3815235
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.6
71 32.0 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

Tgt Ion:136 Resp: 1469594
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.7 6.3 9.5
68 5.4 4.2 6.2

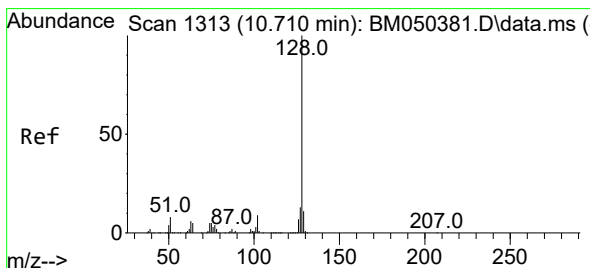
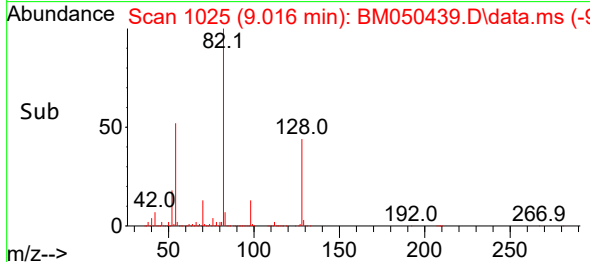
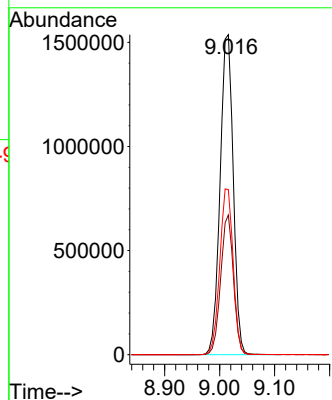
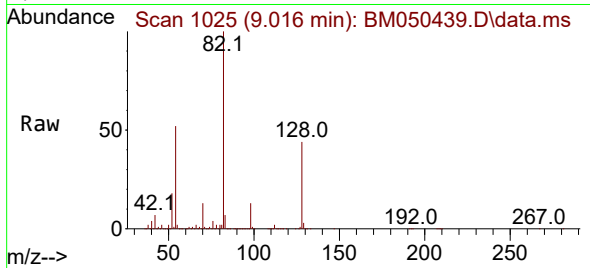




#23
Nitrobenzene-d5
Concen: 88.658 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

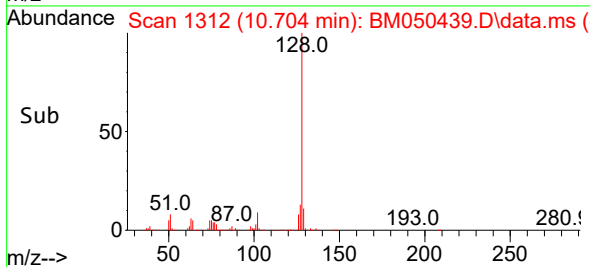
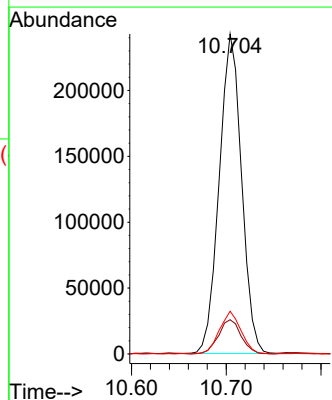
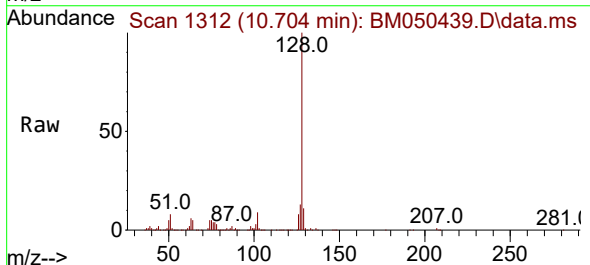
Instrument :
BNA_M
ClientSampleId :
WC-A2-09-C

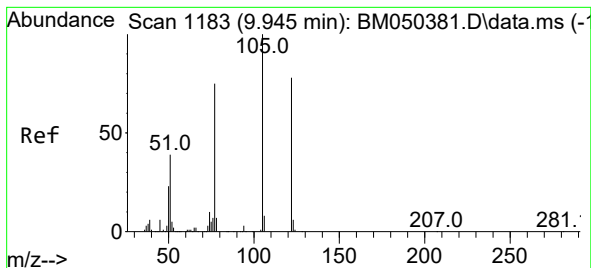
Tgt Ion: 82 Resp: 2553831
Ion Ratio Lower Upper
82 100
128 43.7 35.2 52.8
54 51.6 41.5 62.3



#31
Naphthalene
Concen: 5.319 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

Tgt Ion: 128 Resp: 397005
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.3 10.4 15.6





#32

Benzoic acid

Concen: 7.677 ng

RT: 9.875 min Scan# 1183

Delta R.T. -0.070 min

Lab File: BM050439.D

Acq: 14 Jul 2025 23:34

Instrument :

BNA_M

ClientSampleId :

WC-A2-09-C

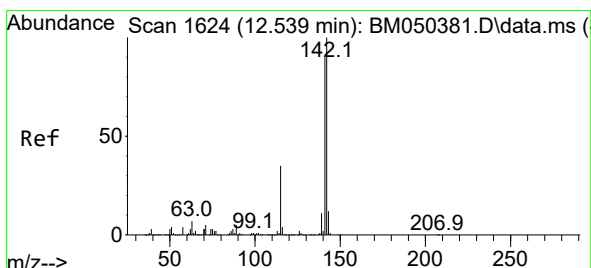
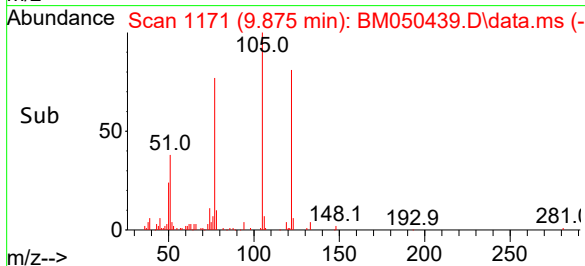
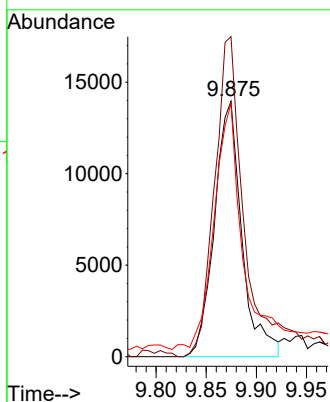
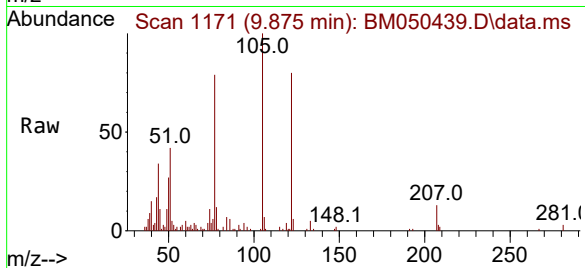
Tgt Ion:122 Resp: 26605

Ion Ratio Lower Upper

122 100

105 125.3 104.0 144.0

77 99.2 73.8 113.8



#38

1-Methylnaphthalene

Concen: 3.887 ng

RT: 12.533 min Scan# 1623

Delta R.T. -0.006 min

Lab File: BM050439.D

Acq: 14 Jul 2025 23:34

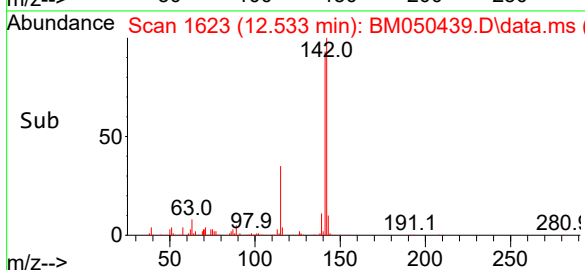
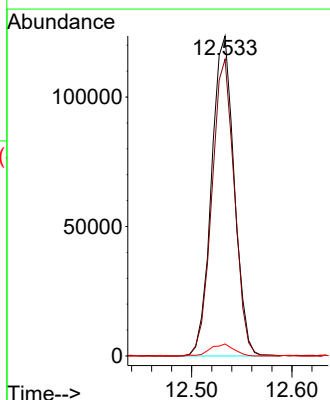
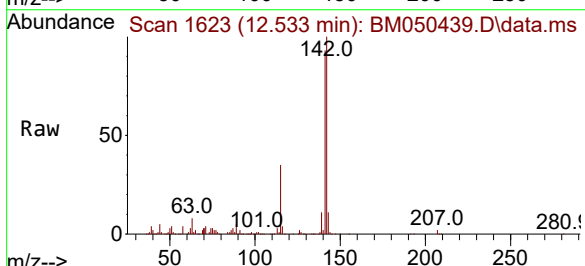
Tgt Ion:142 Resp: 193865

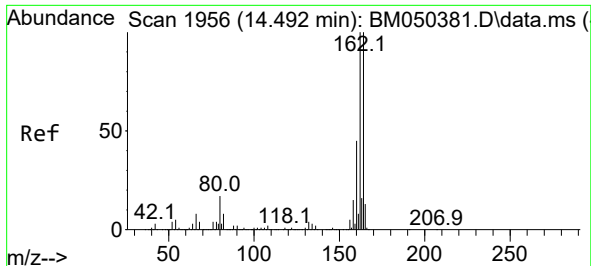
Ion Ratio Lower Upper

142 100

141 92.8 71.9 107.9

116 3.7 3.0 4.6

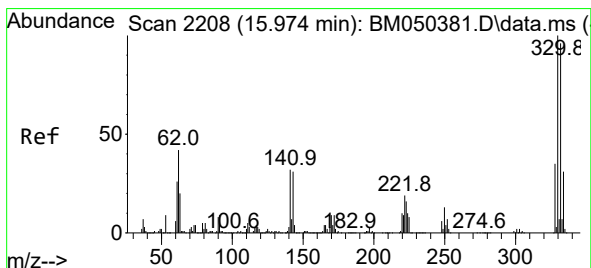
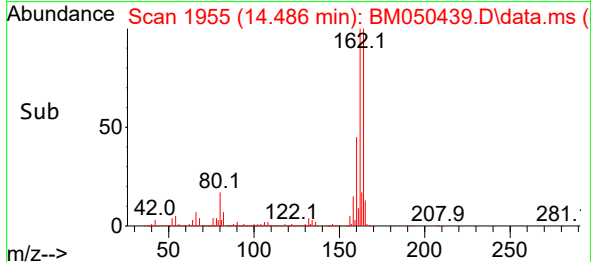
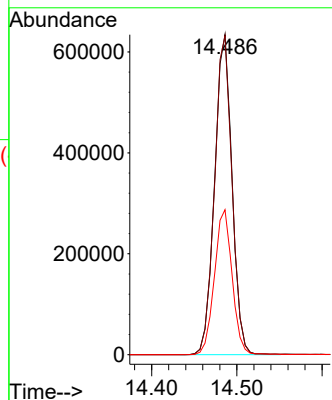
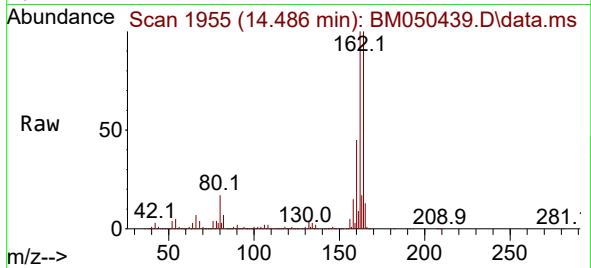




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

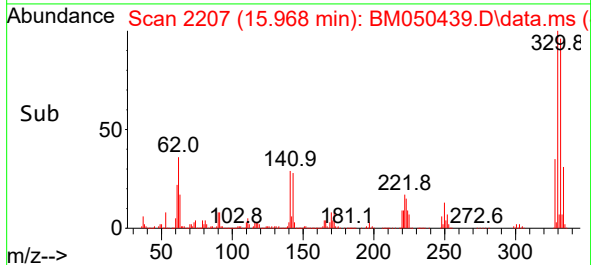
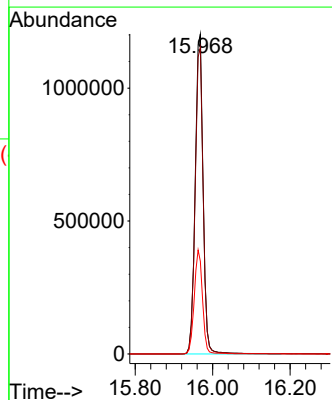
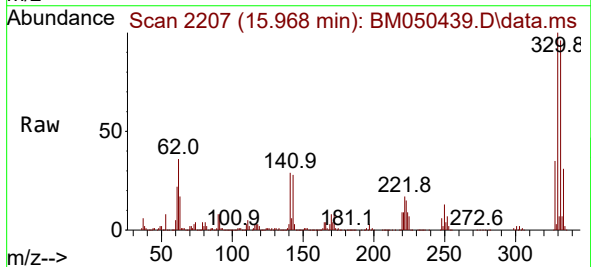
Instrument :
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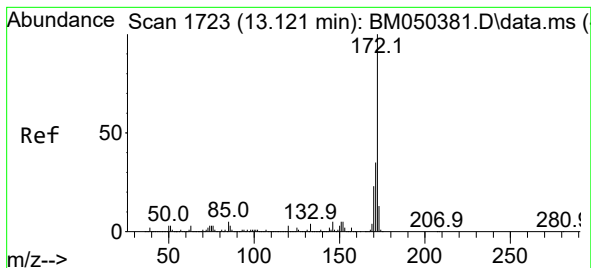
Tgt Ion:164 Resp: 901307
Ion Ratio Lower Upper
164 100
162 99.7 79.9 119.9
160 45.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 155.589 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

Tgt Ion:330 Resp: 1703848
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 33.9 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 84.402 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050439.D

Acq: 14 Jul 2025 23:34

Instrument :

BNA_M

ClientSampleId :

WC-A2-09-C

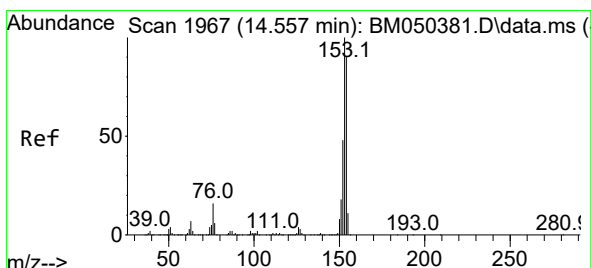
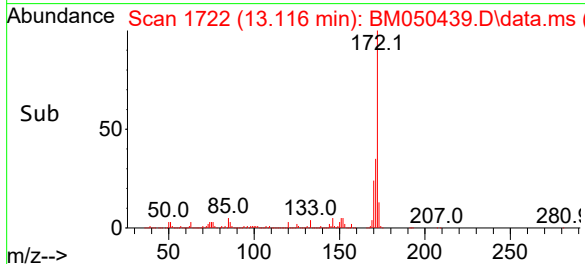
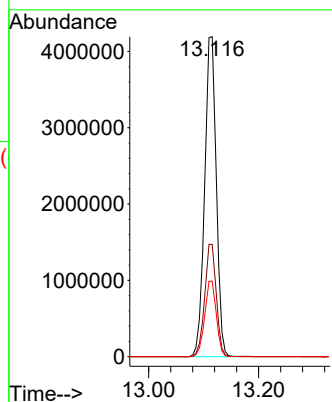
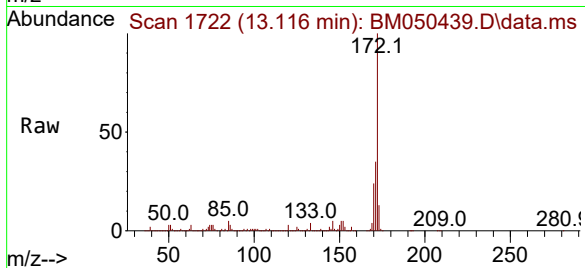
Tgt Ion:172 Resp: 6159994

Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.6 18.8 28.2



#52

Acenaphthene

Concen: 3.352 ng

RT: 14.545 min Scan# 1965

Delta R.T. -0.012 min

Lab File: BM050439.D

Acq: 14 Jul 2025 23:34

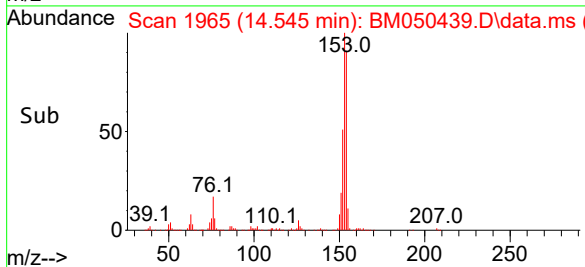
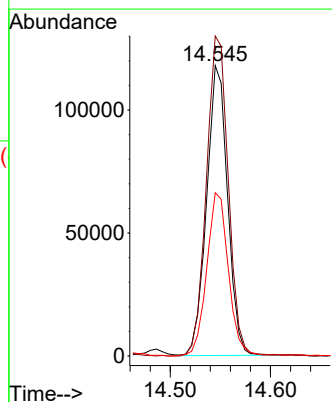
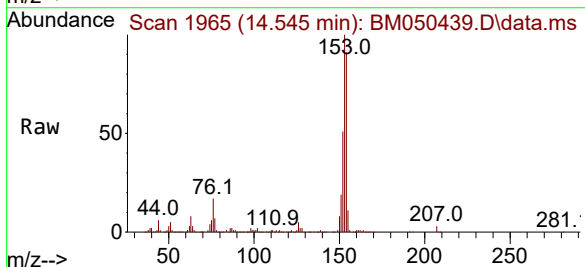
Tgt Ion:154 Resp: 171714

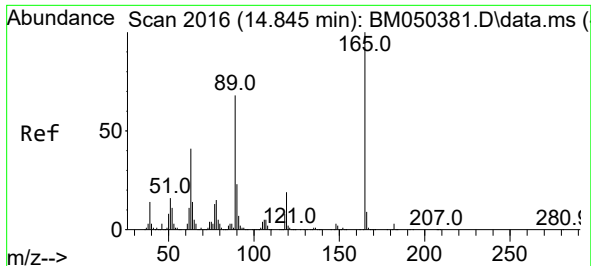
Ion Ratio Lower Upper

154 100

153 110.2 89.2 133.8

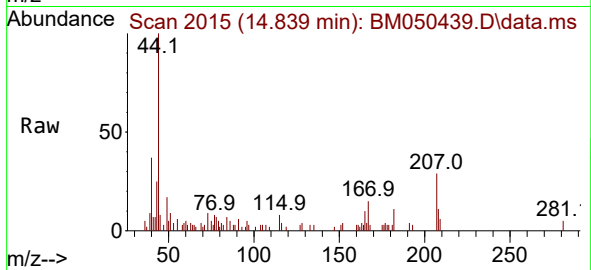
152 56.2 42.6 64.0



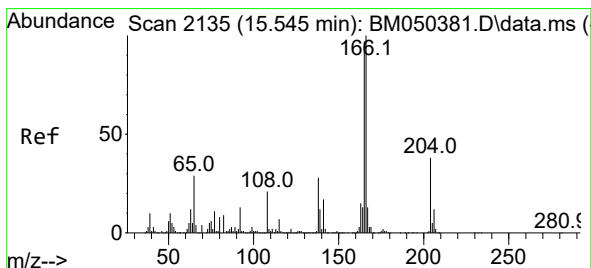
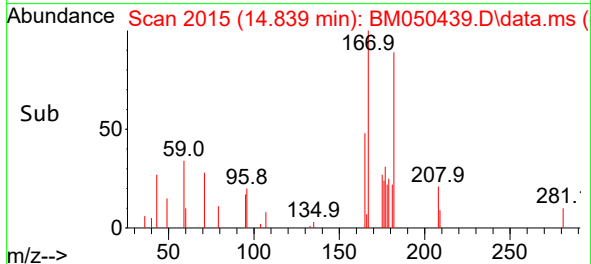
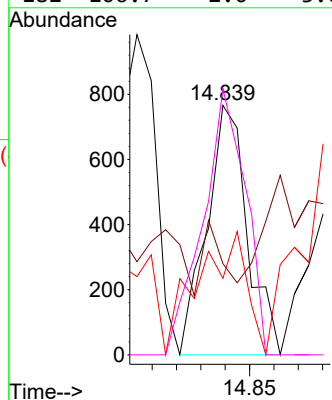


#57
2,4-Dinitrotoluene
Concen: 2.771 ng
RT: 14.839 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

Instrument :
BNA_M
ClientSampleId :
WC-A2-09-C

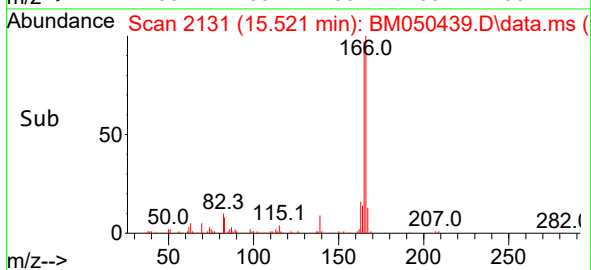
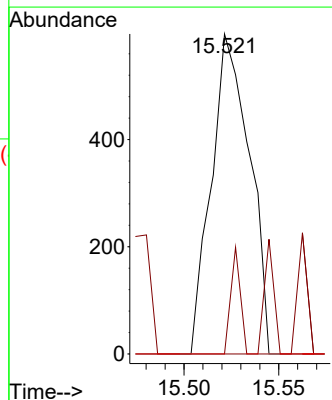
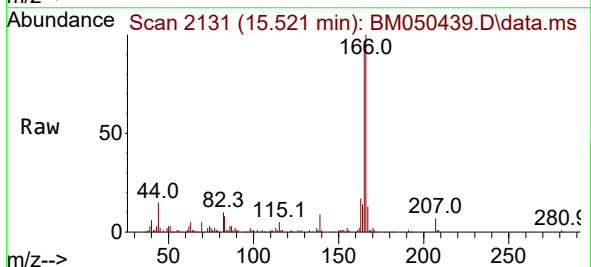


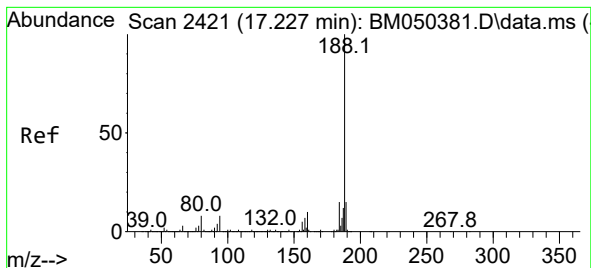
Tgt Ion:165 Resp: 891
Ion Ratio Lower Upper
165 100
63 36.6 32.5 48.7
89 30.7 54.0 81.0#
182 106.7 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.641 ng
RT: 15.521 min Scan# 2131
Delta R.T. -0.024 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

Tgt Ion:138 Resp: 834
Ion Ratio Lower Upper
138 100
92 0.0 24.5 64.5#
108 0.0 52.5 92.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BM050439.D

Acq: 14 Jul 2025 23:34

Instrument :

BNA_M

ClientSampleId :

WC-A2-09-C

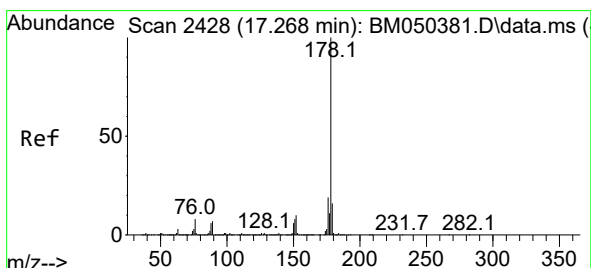
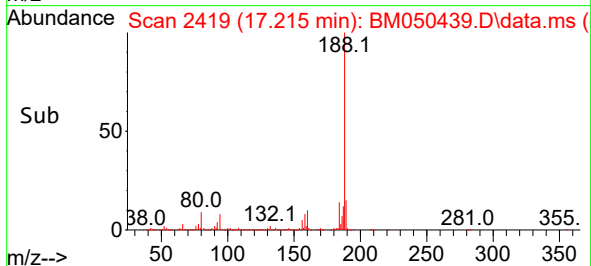
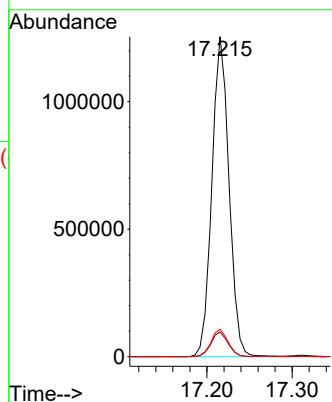
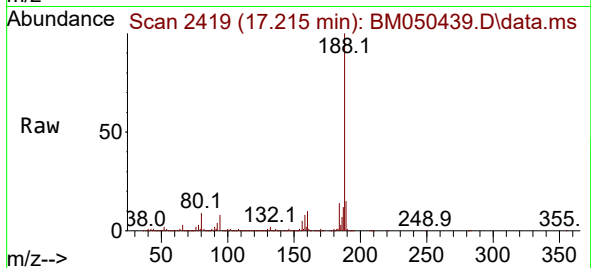
Tgt Ion:188 Resp: 1748222

Ion Ratio Lower Upper

188 100

94 7.7 6.0 9.0

80 8.6 6.5 9.7



#71

Phenanthrene

Concen: 2.463 ng

RT: 17.257 min Scan# 2426

Delta R.T. -0.012 min

Lab File: BM050439.D

Acq: 14 Jul 2025 23:34

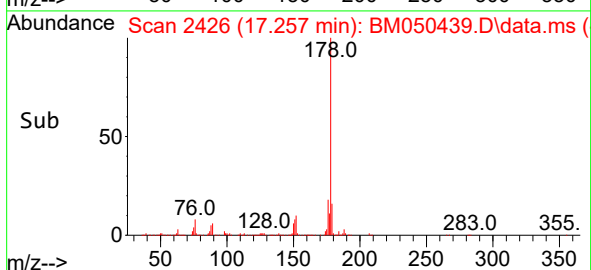
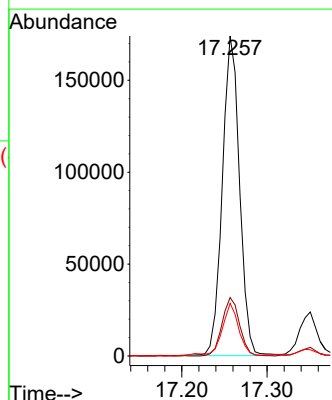
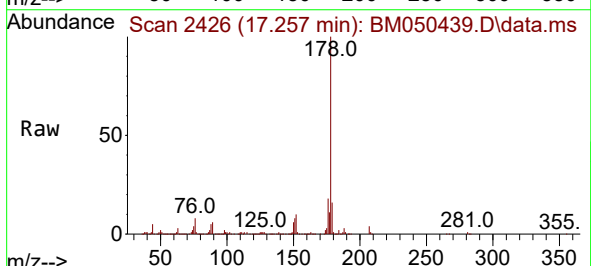
Tgt Ion:178 Resp: 243662

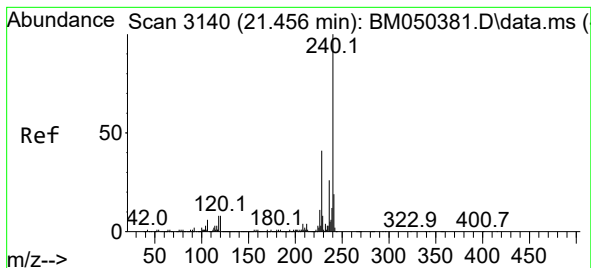
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 16.5 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: BM050439.D

Acq: 14 Jul 2025 23:34

Instrument :

BNA_M

ClientSampleId :

WC-A2-09-C

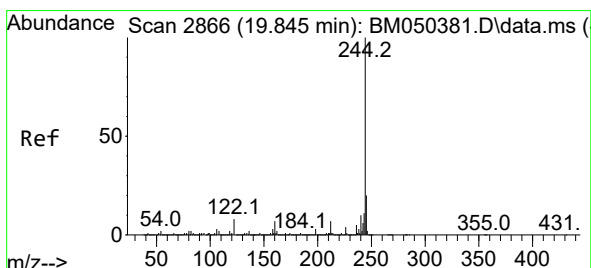
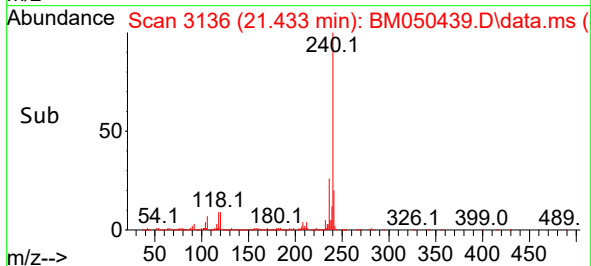
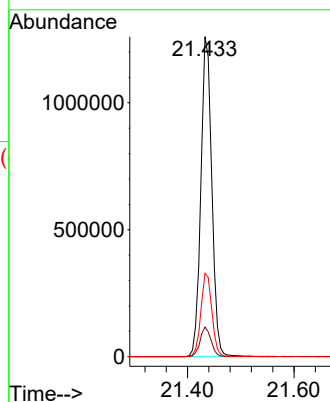
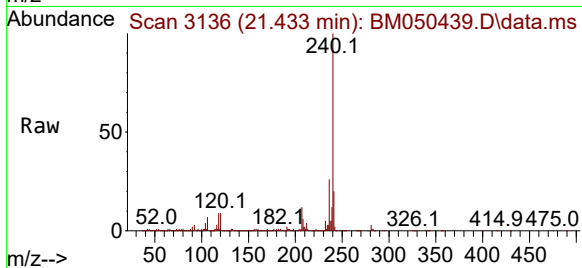
Tgt Ion:240 Resp: 1798338

Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

236 26.0 20.7 31.1



#79

Terphenyl-d14

Concen: 101.151 ng

RT: 19.827 min Scan# 2863

Delta R.T. -0.018 min

Lab File: BM050439.D

Acq: 14 Jul 2025 23:34

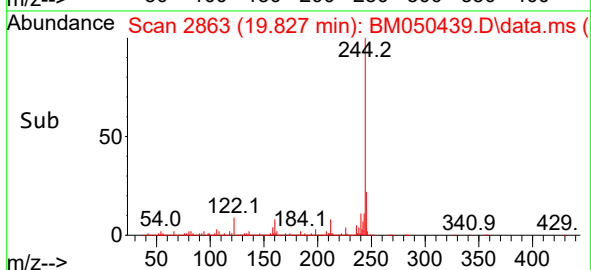
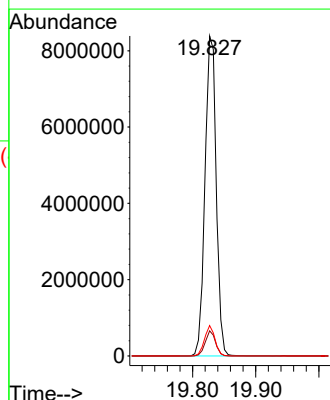
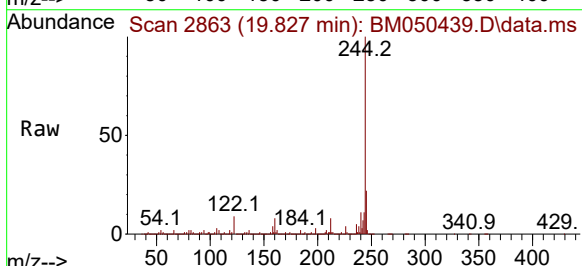
Tgt Ion:244 Resp:10338595

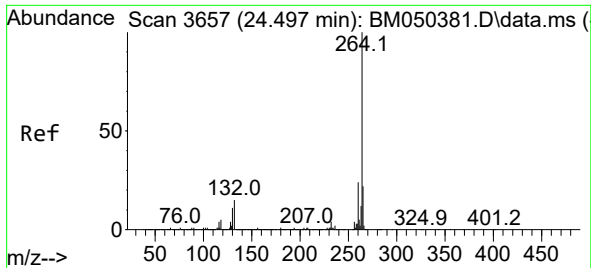
Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

122 9.5 6.2 9.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM050439.D
Acq: 14 Jul 2025 23:34

Instrument :
BNA_M
ClientSampleId :
WC-A2-09-C

Tgt Ion:264 Resp: 1921480

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.8	26.6

