

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050440.D
 Acq On : 15 Jul 2025 00:13
 Operator : RC/JU
 Sample : Q2578-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-10-C

Quant Time: Jul 15 02:06:04 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)

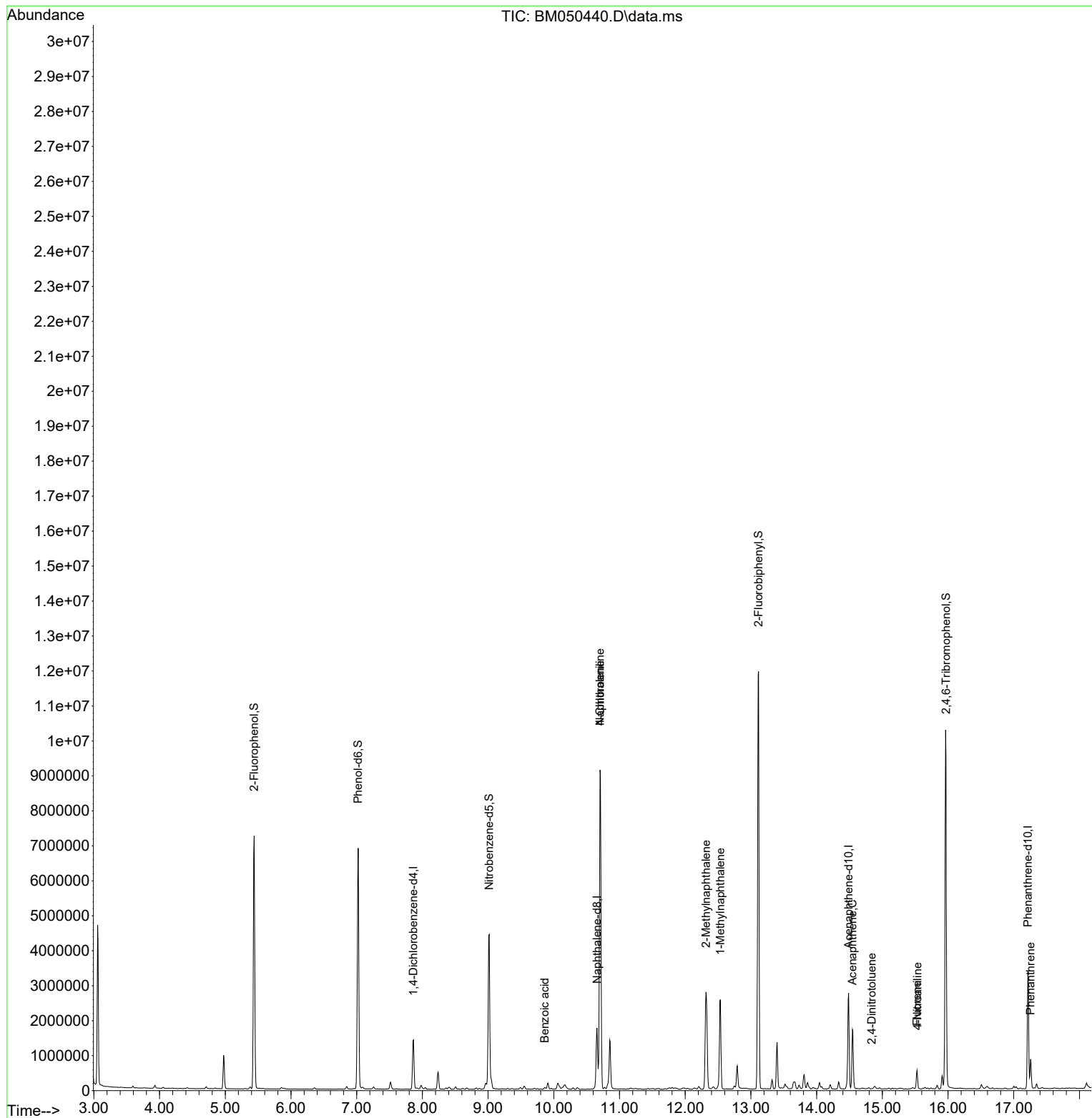
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	396203	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1451303	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	964408	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1929252	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	1878020	20.000	ng	-0.02
86) Perylene-d12	24.462	264	1921664	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3062881	133.068	ng	0.00
7) Phenol-d6	7.022	99	3653974	125.930	ng	0.00
23) Nitrobenzene-d5	9.016	82	2454199	86.273	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1875599	160.066	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6349448	81.305	ng	0.00
79) Terphenyl-d14	19.827	244	10799854	101.180	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.704	128	7482278	101.502	ng	100
32) Benzoic acid	9.863	122	13757	6.866	ng	83
33) 4-Chloroaniline	10.704	127	962192	30.875	ng	# 32
37) 2-Methylnaphthalene	12.316	142	1075246	23.101	ng	99
38) 1-Methylnaphthalene	12.533	142	1189713	24.153	ng	98
52) Acenaphthene	14.545	154	600751	10.960	ng	98
57) 2,4-Dinitrotoluene	14.839	165	1391	2.793	ng	# 58
58) Fluorene	15.527	166	221384	3.182	ng	98
62) 4-Nitroaniline	15.533	138	2576	2.743	ng	# 28
71) Phenanthrene	17.257	178	496422	4.547	ng	100

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

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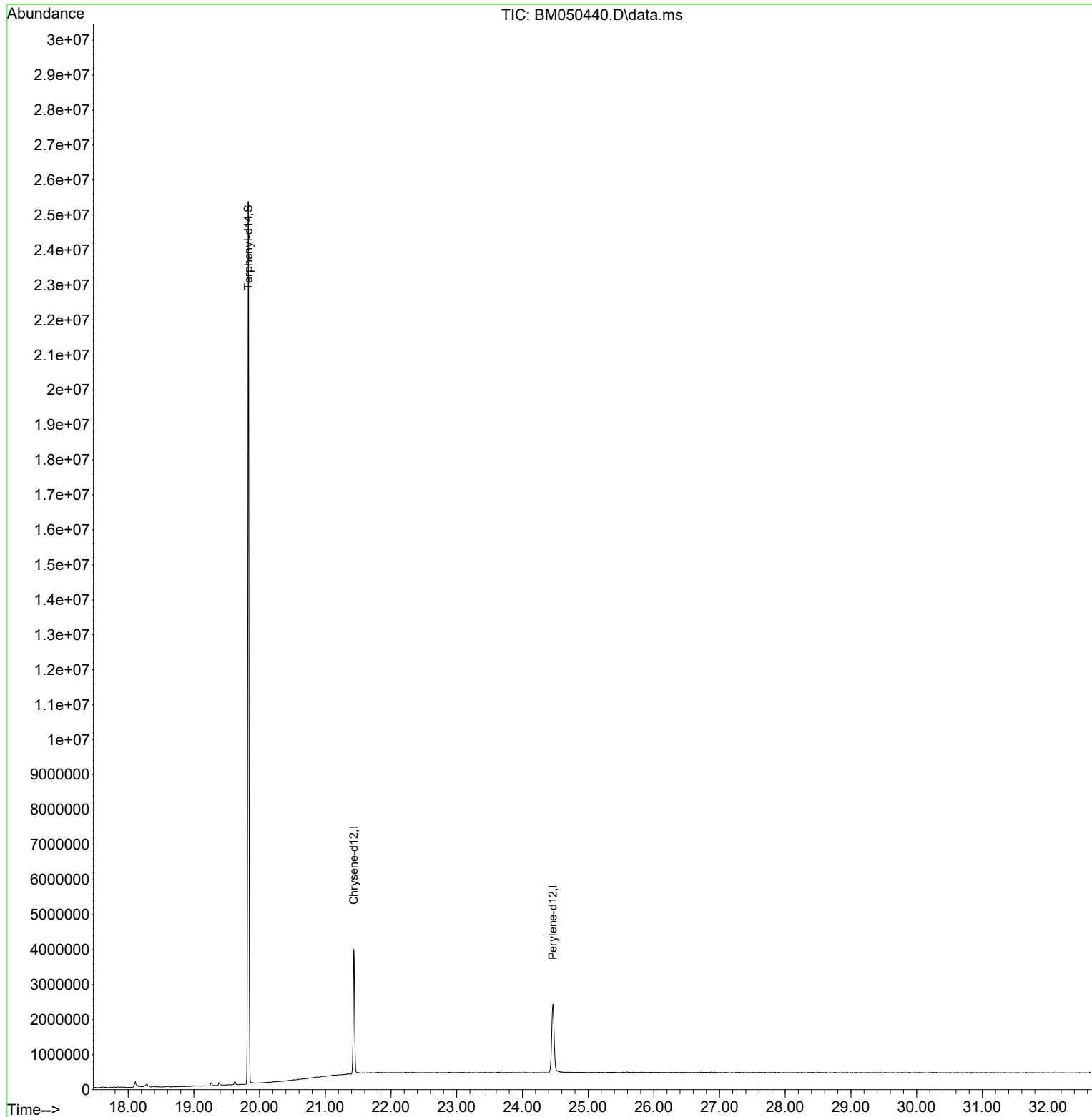
Quant Time: Jul 15 02:06:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

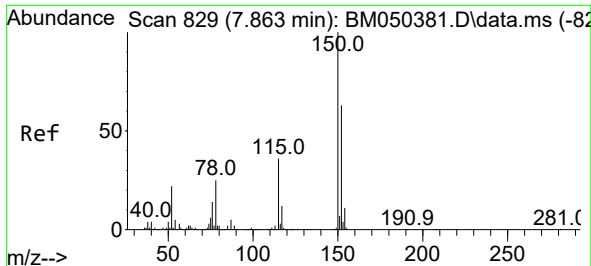


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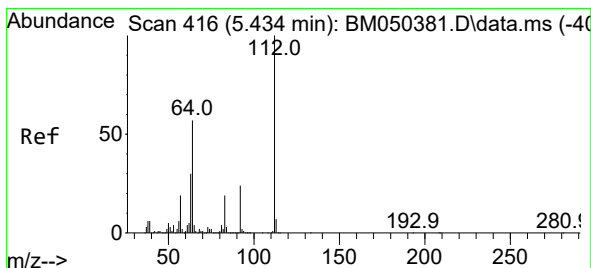
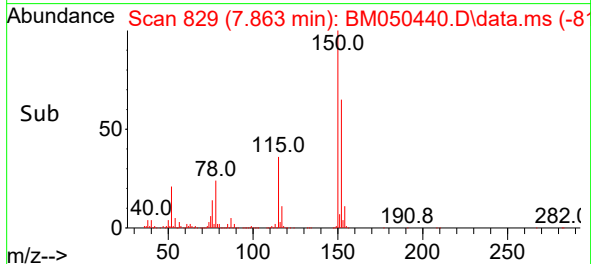
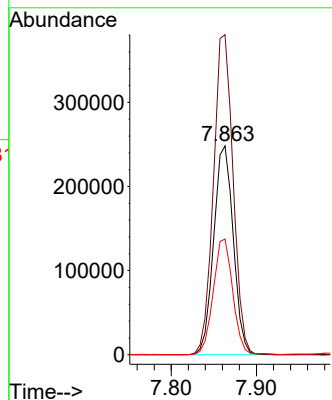
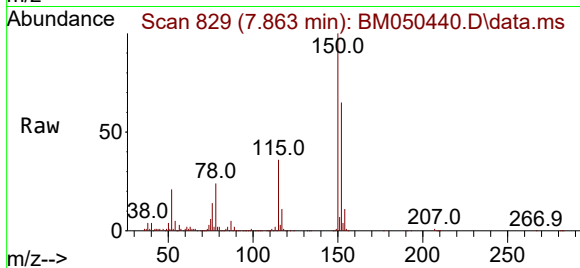




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

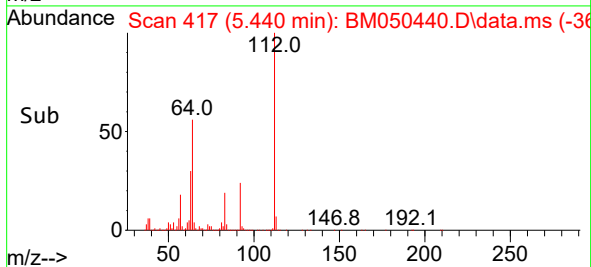
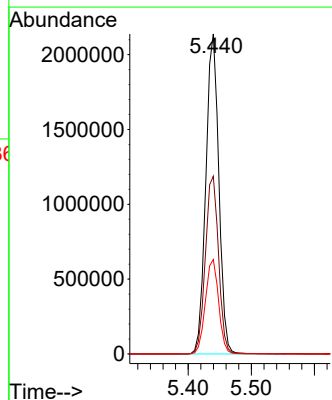
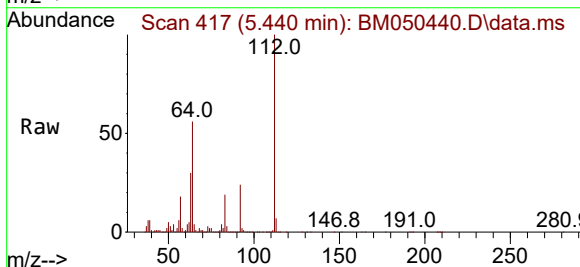
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

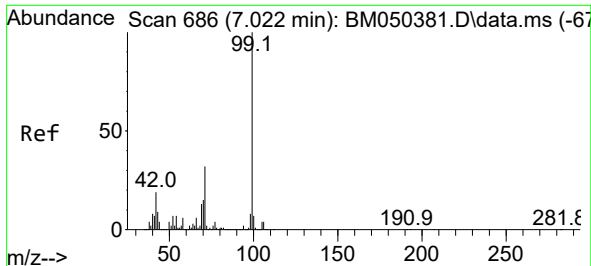
Tgt Ion:152 Resp: 396203
Ion Ratio Lower Upper
152 100
150 153.2 126.2 189.4
115 55.4 45.8 68.8



#5
2-Fluorophenol
Concen: 133.068 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:112 Resp: 3062881
Ion Ratio Lower Upper
112 100
64 55.6 45.5 68.3
63 29.5 24.2 36.4

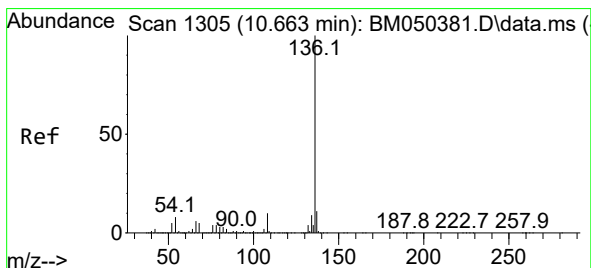
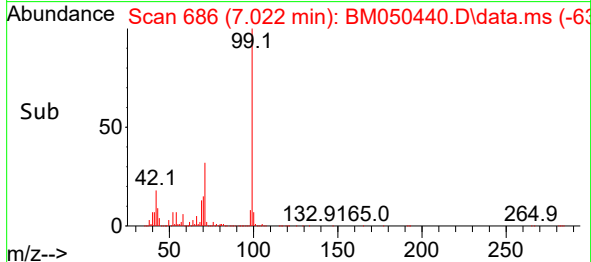
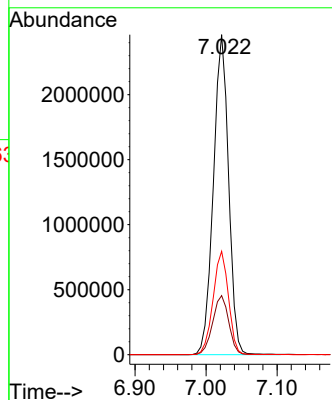
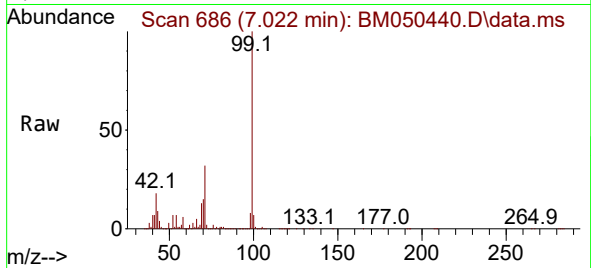




#7
Phenol-d6
Concen: 125.930 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

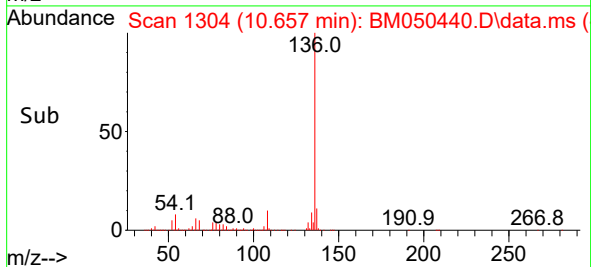
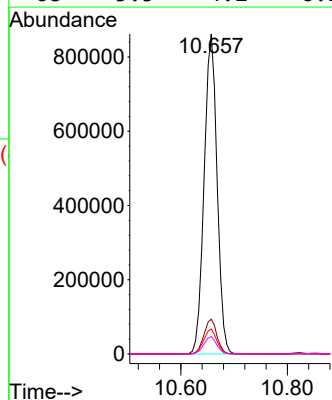
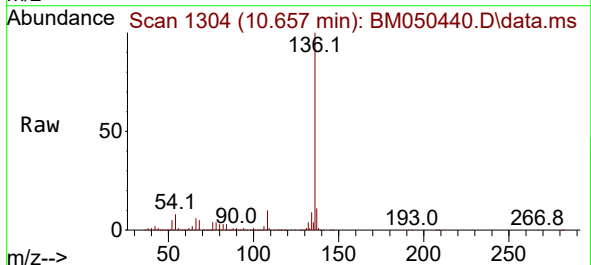
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

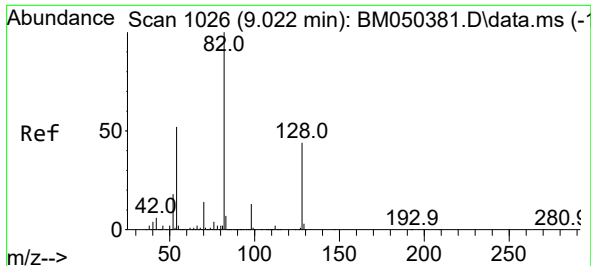
Tgt Ion: 99 Resp: 3653974
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.6
71 32.3 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion: 136 Resp: 1451303
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 6.3 9.5
68 5.5 4.2 6.2

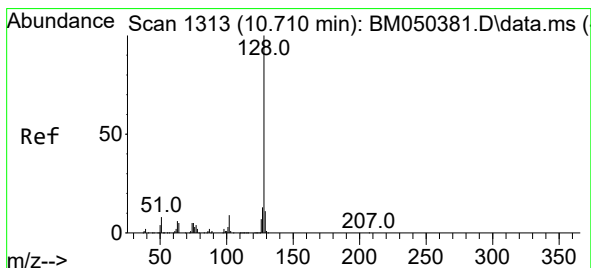
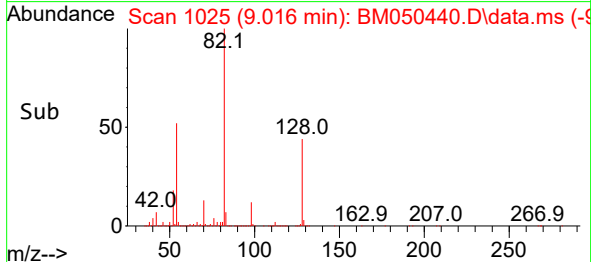
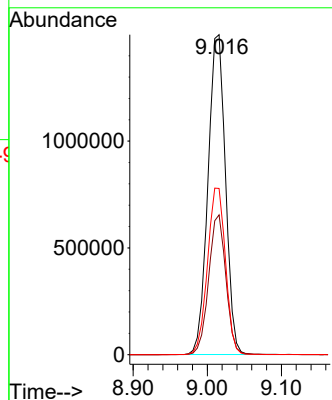
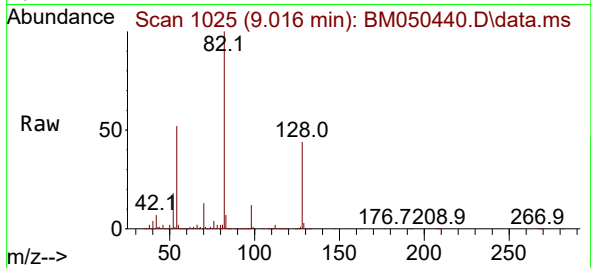




#23
Nitrobenzene-d5
Concen: 86.273 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

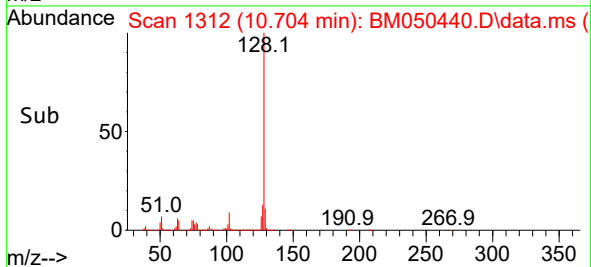
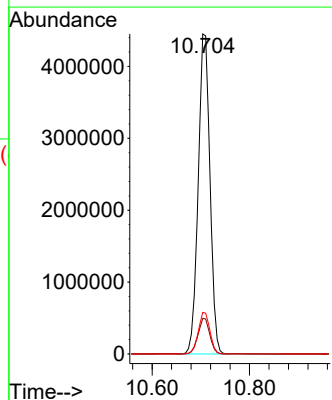
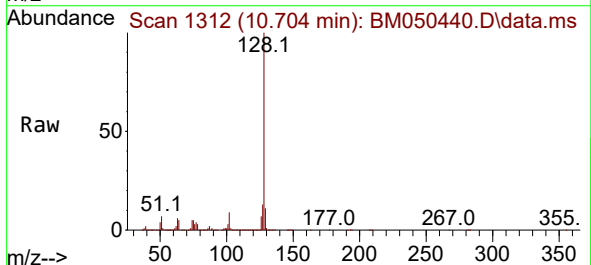
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

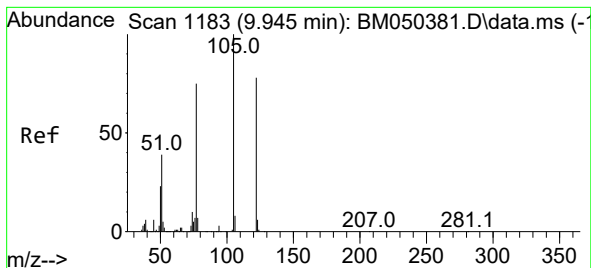
Tgt Ion: 82 Resp: 2454199
Ion Ratio Lower Upper
82 100
128 43.7 35.2 52.8
54 51.9 41.5 62.3



#31
Naphthalene
Concen: 101.502 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion: 128 Resp: 7482278
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.0 10.4 15.6

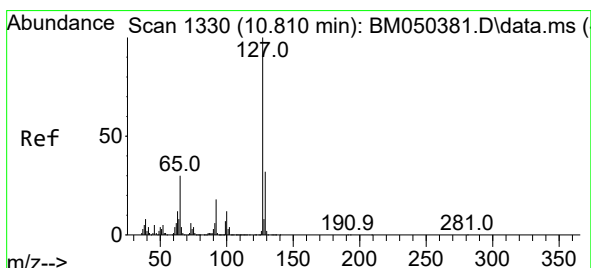
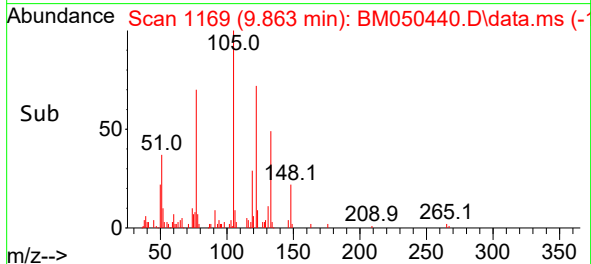
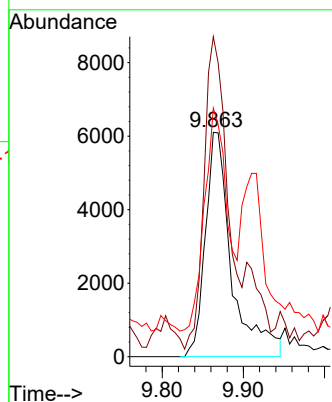
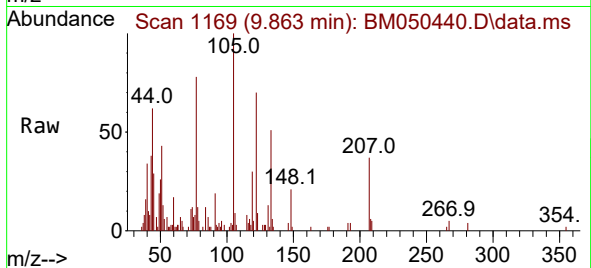




#32
Benzoic acid
Concen: 6.866 ng
RT: 9.863 min Scan# 1169
Delta R.T. -0.082 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

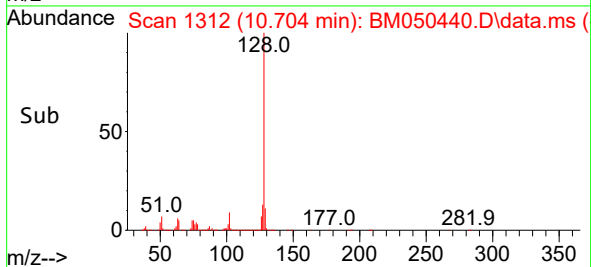
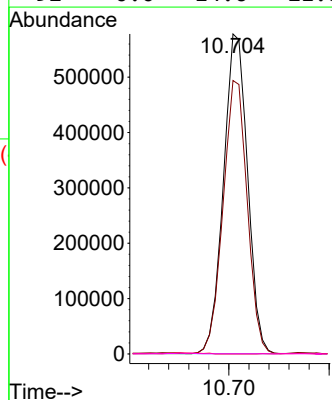
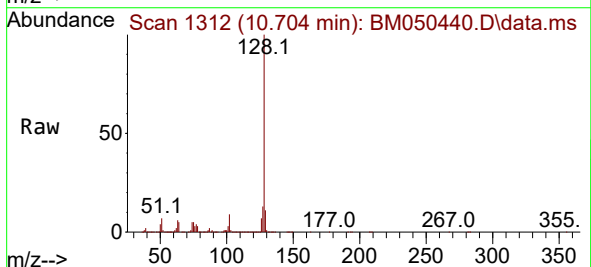
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

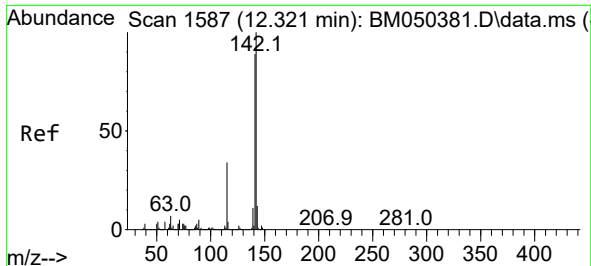
Tgt Ion:122 Resp: 13757
Ion Ratio Lower Upper
122 100
105 142.6 104.0 144.0
77 110.7 73.8 113.8



#33
4-Chloroaniline
Concen: 30.875 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.106 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:127 Resp: 962192
Ion Ratio Lower Upper
127 100
129 85.4 25.5 38.3#
65 0.0 23.9 35.9#
92 0.0 14.6 21.8#

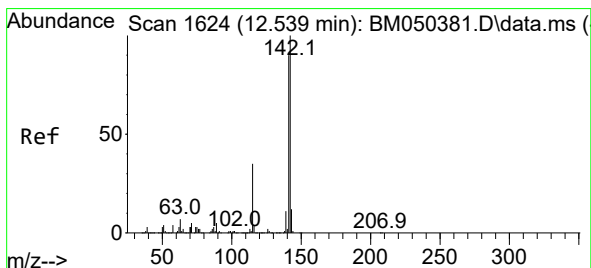
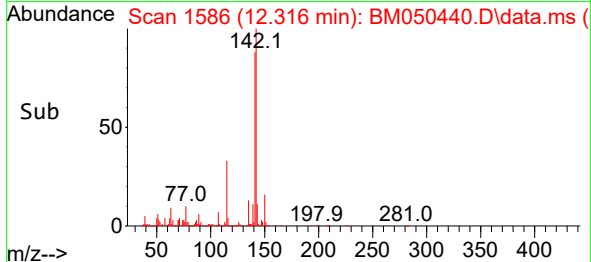
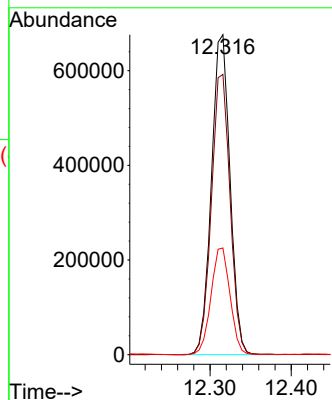
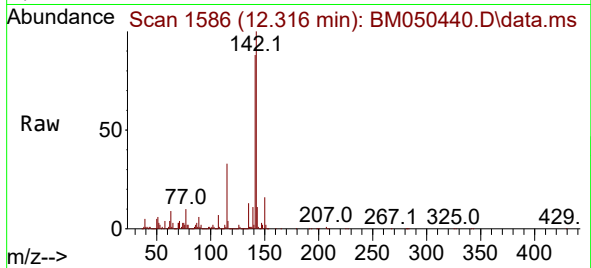




#37
2-Methylnaphthalene
Concen: 23.101 ng
RT: 12.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

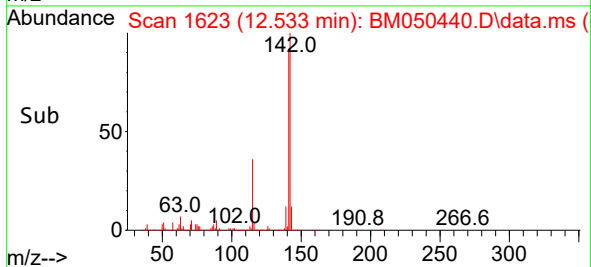
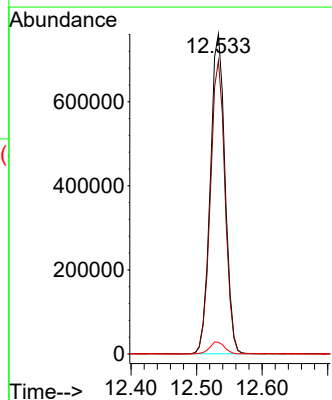
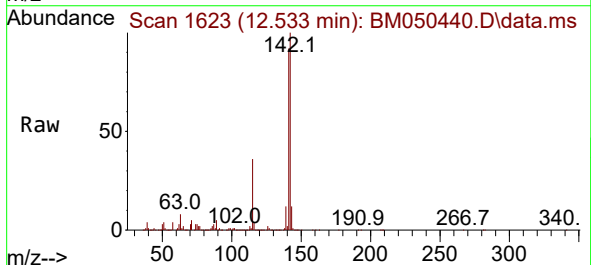
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ClientSampleId :
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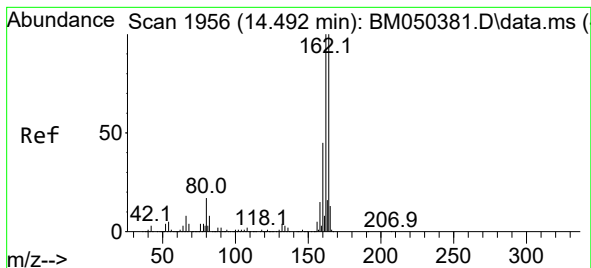
Tgt Ion:142 Resp: 1075246
Ion Ratio Lower Upper
142 100
141 87.6 70.8 106.2
115 33.3 27.0 40.4



#38
1-Methylnaphthalene
Concen: 24.153 ng
RT: 12.533 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:142 Resp: 1189713
Ion Ratio Lower Upper
142 100
141 91.6 71.9 107.9
116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

Instrument :

BNA_M

ClientSampleId :

WC-A2-10-C

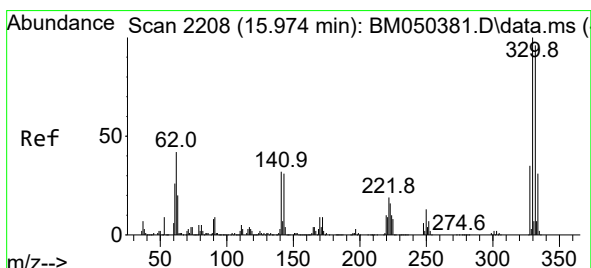
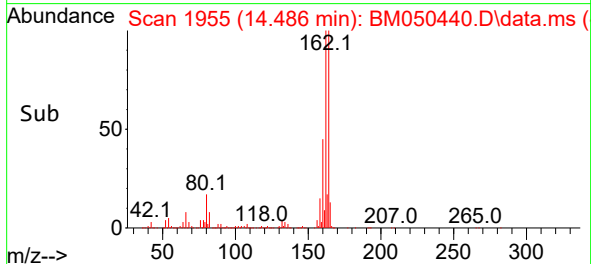
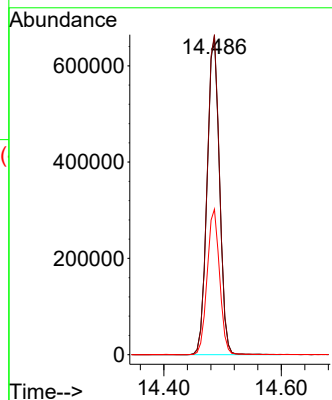
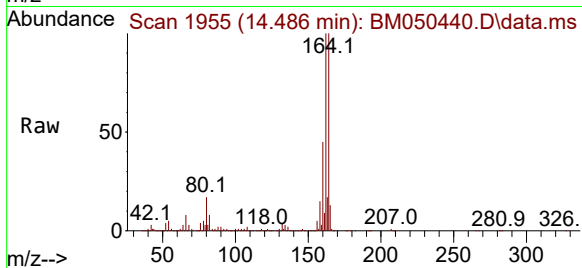
Tgt Ion:164 Resp: 964408

Ion Ratio Lower Upper

164 100

162 100.4 79.9 119.9

160 45.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 160.066 ng

RT: 15.968 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

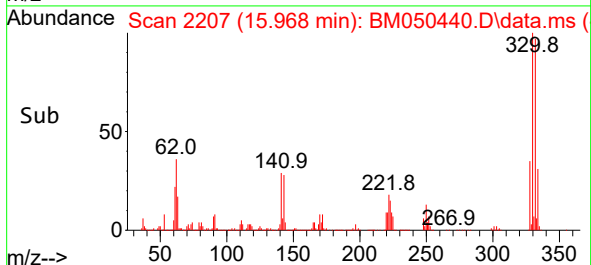
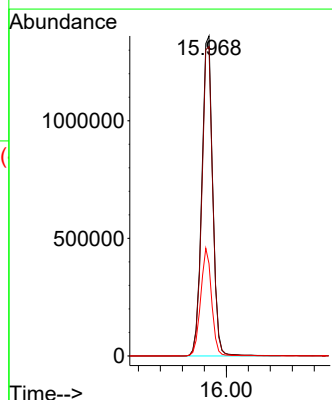
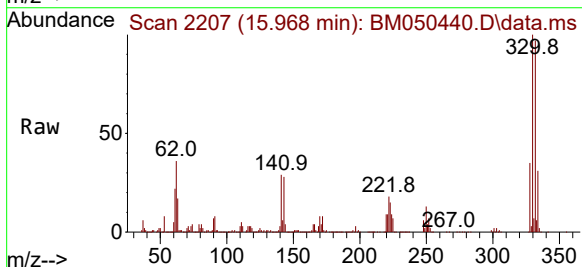
Tgt Ion:330 Resp: 1875599

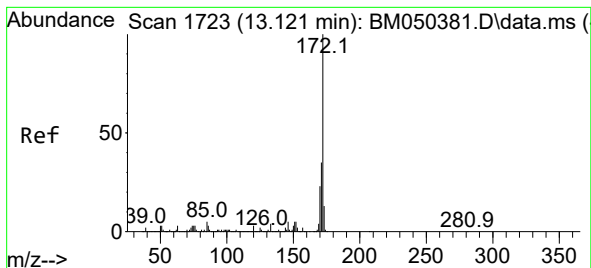
Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

141 33.8 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 81.305 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

Instrument :

BNA_M

ClientSampleId :

WC-A2-10-C

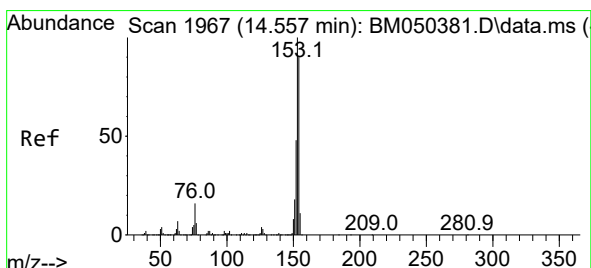
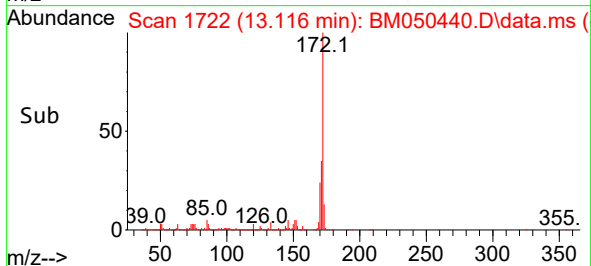
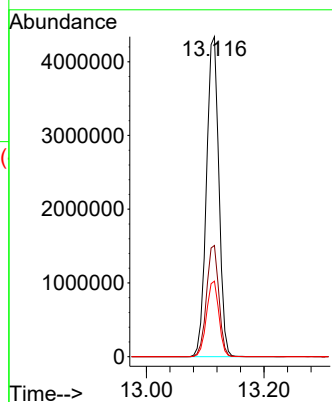
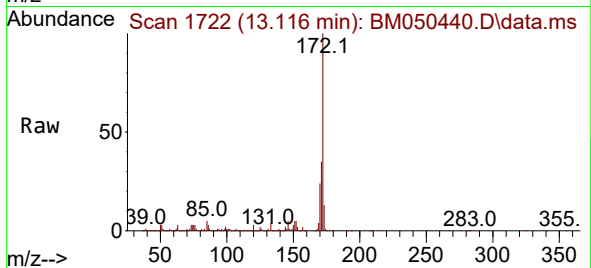
Tgt Ion:172 Resp: 6349448

Ion Ratio Lower Upper

172 100

171 34.8 27.7 41.5

170 23.6 18.8 28.2



#52

Acenaphthene

Concen: 10.960 ng

RT: 14.545 min Scan# 1965

Delta R.T. -0.012 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

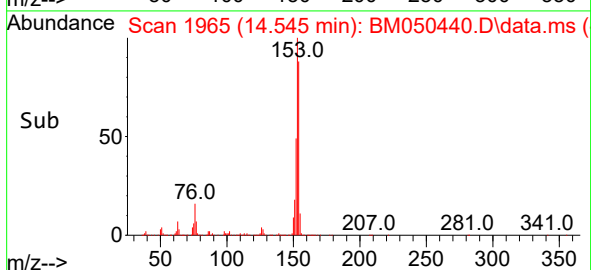
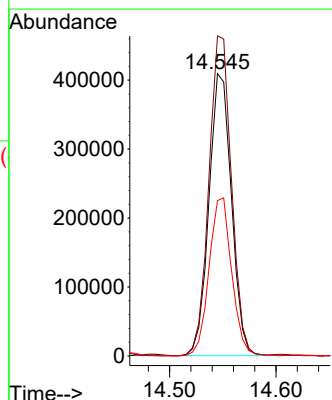
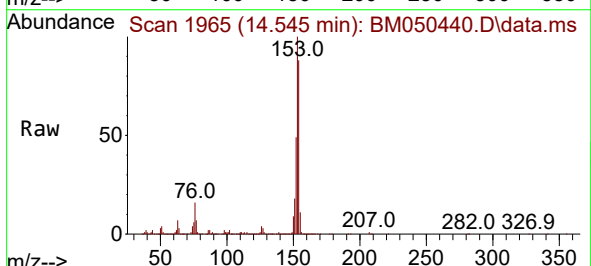
Tgt Ion:154 Resp: 600751

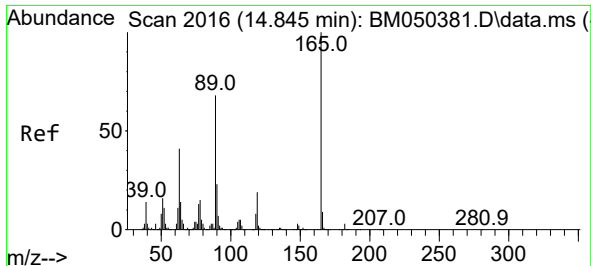
Ion Ratio Lower Upper

154 100

153 113.3 89.2 133.8

152 55.0 42.6 64.0





#57

2,4-Dinitrotoluene

Concen: 2.793 ng

RT: 14.839 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

Instrument :

BNA_M

ClientSampleId :

WC-A2-10-C

Tgt Ion:165 Resp: 1391

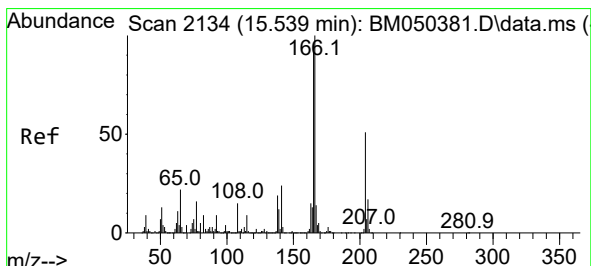
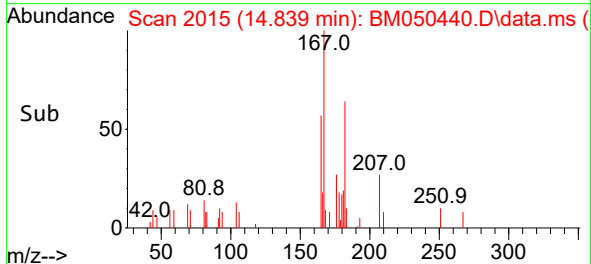
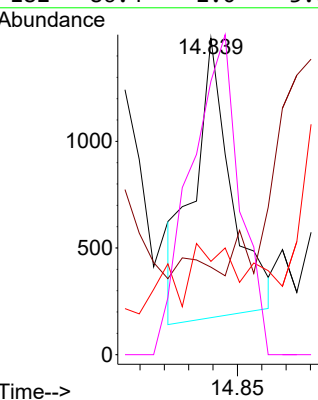
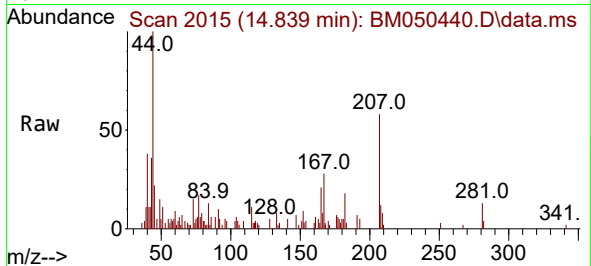
Ion Ratio Lower Upper

165 100

63 27.6 32.5 48.7#

89 29.4 54.0 81.0#

182 86.4 2.0 3.0#



#58

Fluorene

Concen: 3.182 ng

RT: 15.527 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

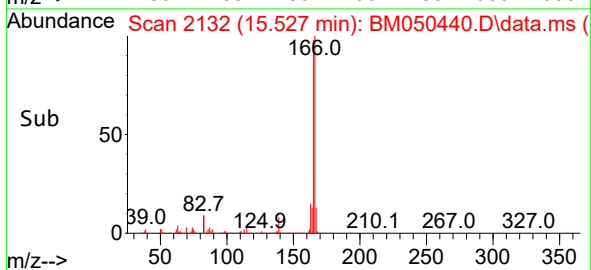
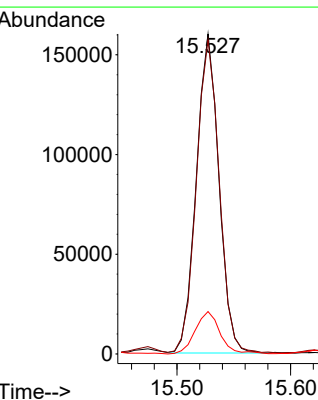
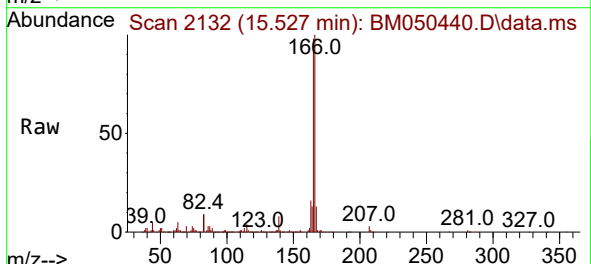
Tgt Ion:166 Resp: 221384

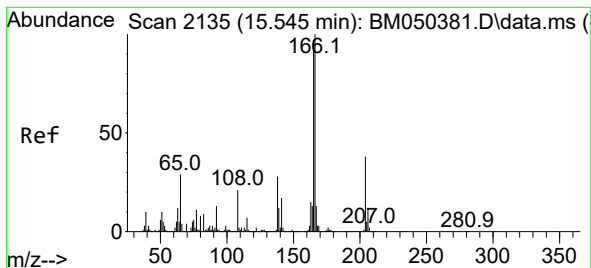
Ion Ratio Lower Upper

166 100

165 98.1 77.0 115.6

167 13.3 10.9 16.3

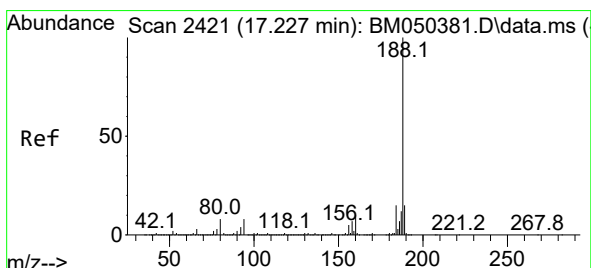
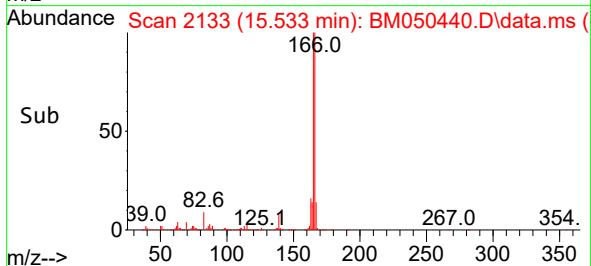
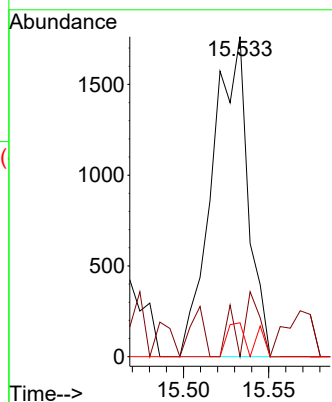
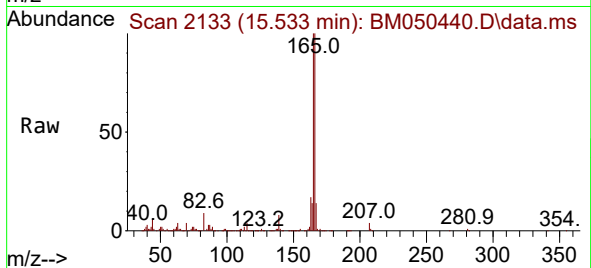




#62
4-Nitroaniline
Concen: 2.743 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

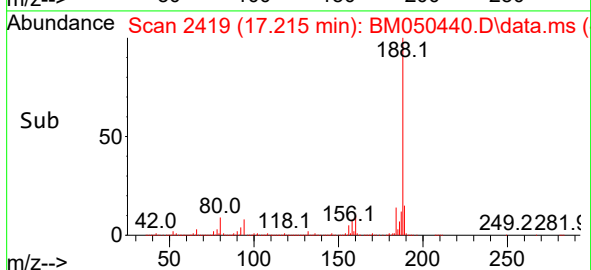
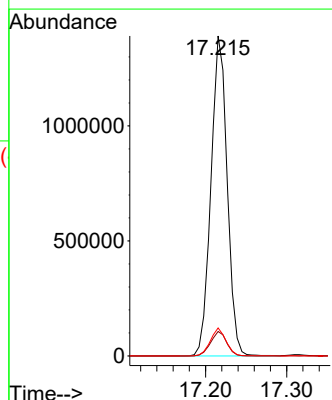
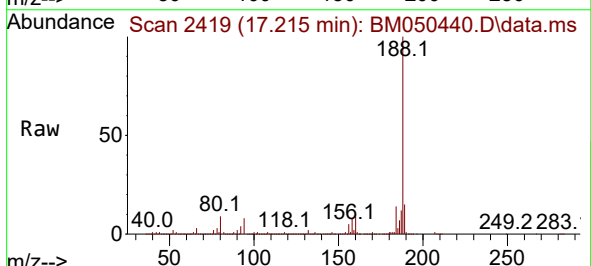
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

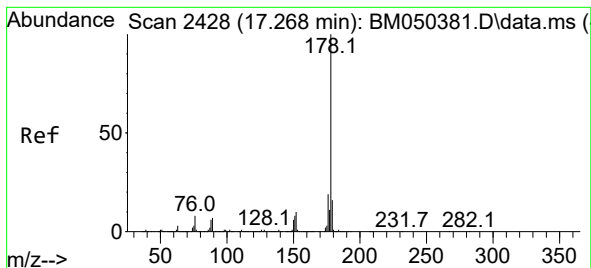
Tgt Ion:138 Resp: 2576
Ion Ratio Lower Upper
138 100
92 0.0 24.5 64.5#
108 10.6 52.5 92.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:188 Resp: 1929252
Ion Ratio Lower Upper
188 100
94 7.7 6.0 9.0
80 8.7 6.5 9.7





#71

Phenanthrene

Concen: 4.547 ng

RT: 17.257 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

Instrument :

BNA_M

ClientSampleId :

WC-A2-10-C

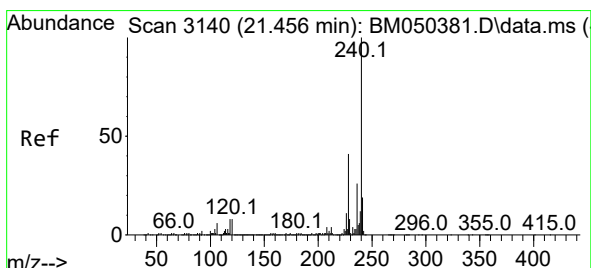
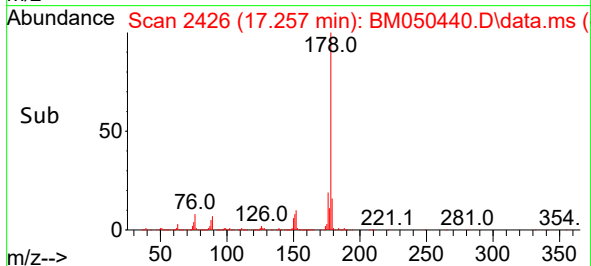
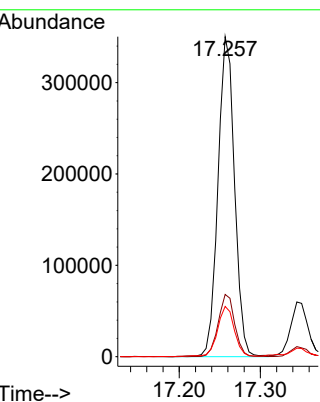
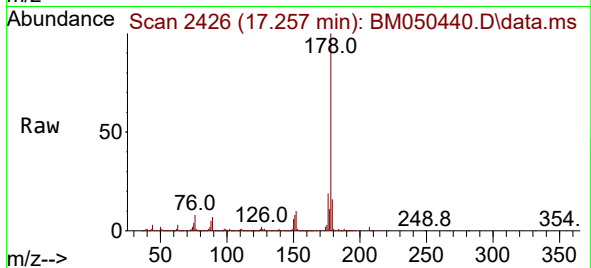
Tgt Ion:178 Resp: 496422

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.7 12.5 18.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3136

Delta R.T. -0.023 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

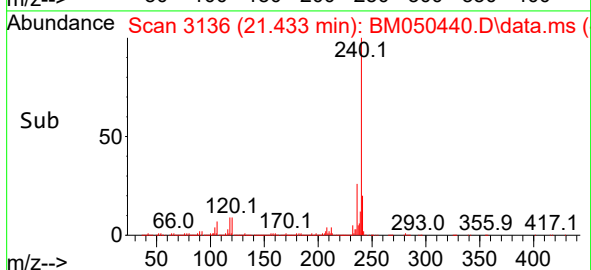
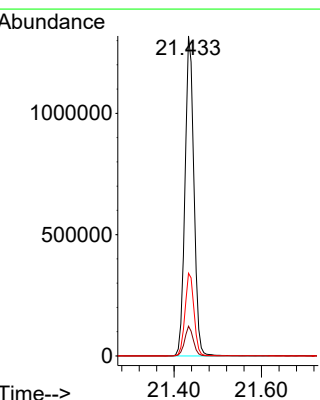
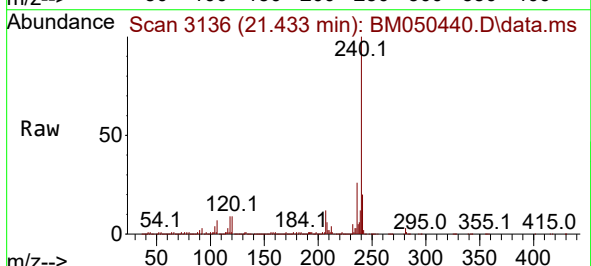
Tgt Ion:240 Resp: 1878020

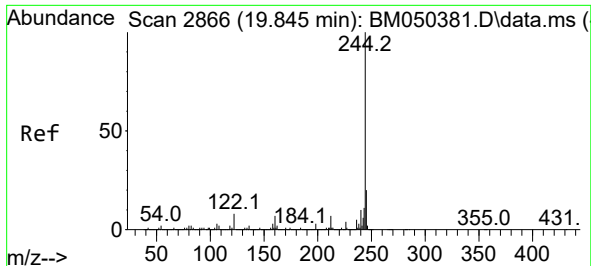
Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

236 25.9 20.7 31.1

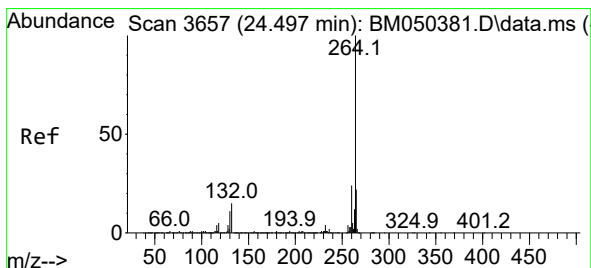
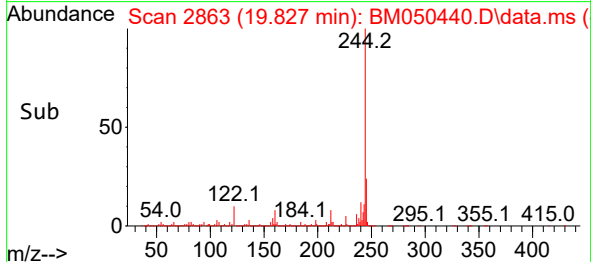
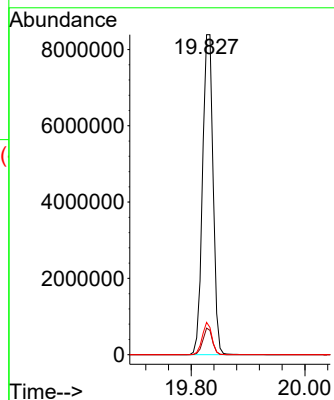
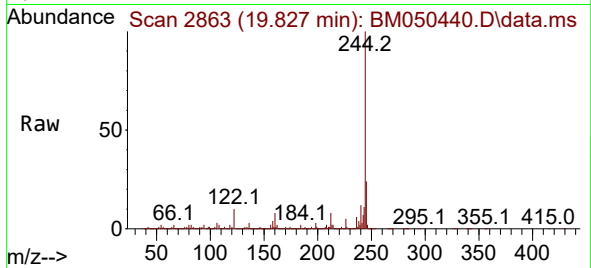




#79
 Terphenyl-d14
 Concen: 101.180 ng
 RT: 19.827 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM050440.D
 Acq: 15 Jul 2025 00:13

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-10-C

Tgt Ion:244 Resp:10799854
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 10.1 6.2 9.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.462 min Scan# 3651
 Delta R.T. -0.035 min
 Lab File: BM050440.D
 Acq: 15 Jul 2025 00:13

Tgt Ion:264 Resp: 1921664
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.8 17.8 26.6

