

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050445.D
 Acq On : 15 Jul 2025 03:31
 Operator : RC/JU
 Sample : Q2565-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MOO-25-0180

Quant Time: Jul 15 04:35:21 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

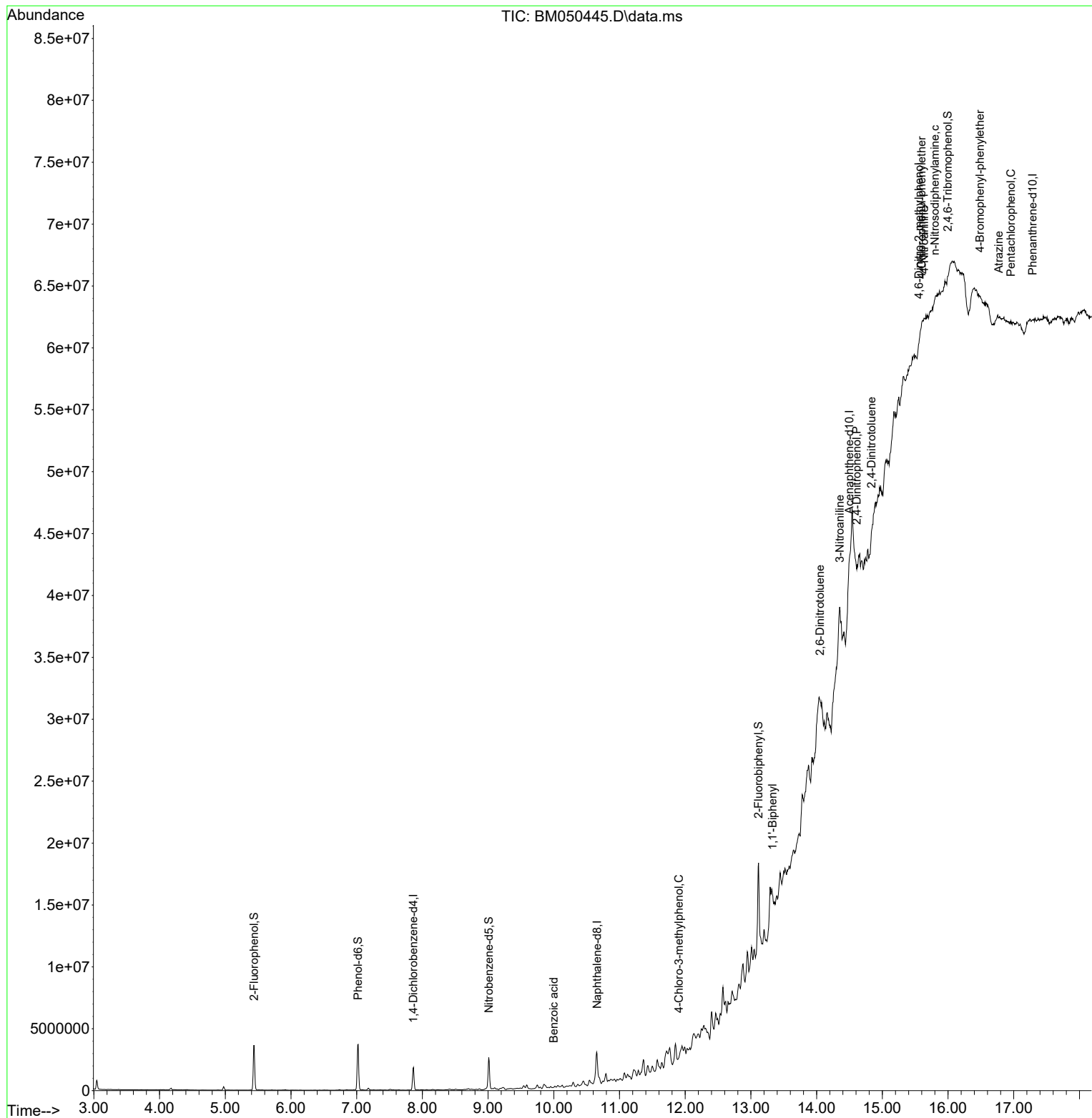
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	524104	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1942248	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	1539851	20.000	ng	# 0.00
64) Phenanthrene-d10	17.286	188	547191	20.000	ng	# 0.06
76) Chrysene-d12	21.450	240	2849037	20.000	ng	# 0.00
86) Perylene-d12	24.468	264	2909724	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1680795	55.202	ng	0.00
7) Phenol-d6	7.022	99	2145324	55.893	ng	0.00
23) Nitrobenzene-d5	9.010	82	1408527	36.999	ng	-0.01
42) 2,4,6-Tribromophenol	15.998	330	979519	52.355	ng	0.02
45) 2-Fluorobiphenyl	13.116	172	4167674	33.424	ng	0.00
79) Terphenyl-d14	19.880	244	5787204	35.740	ng	0.04
Target Compounds						
32) Benzoic acid	9.998	122	569	6.002	ng	# 1
36) 4-Chloro-3-methylphenol	11.904	107	76017	2.689	ng	# 17
46) 1,1'-Biphenyl	13.327	154	271915	2.380	ng	84
51) 2,6-Dinitrotoluene	14.051	165	314658	15.458	ng	# 35
53) 3-Nitroaniline	14.351	138	79647	3.679	ng	# 26
54) 2,4-Dinitrophenol	14.610	184	1337	6.517	ng	# 1
57) 2,4-Dinitrotoluene	14.833	165	71079	4.924	ng	# 36
61) 4-Chlorophenyl-phenyle...	15.598	204	186229	3.206	ng	# 1
62) 4-Nitroaniline	15.639	138	7248	2.862	ng	# 36
65) 4,6-Dinitro-2-methylph...	15.557	198	56403	22.955	ng	# 1
66) n-Nitrosodiphenylamine	15.798	169	402660	23.516	ng	# 60
67) 4-Bromophenyl-phenylether	16.486	248	28137	4.667	ng	# 1
69) Atrazine	16.774	200	211573	37.630	ng	# 1
70) Pentachlorophenol	16.956	266	101578	22.916	ng	# 11
74) Di-n-butylphthalate	18.256	149	252194	8.262	ng	# 33

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

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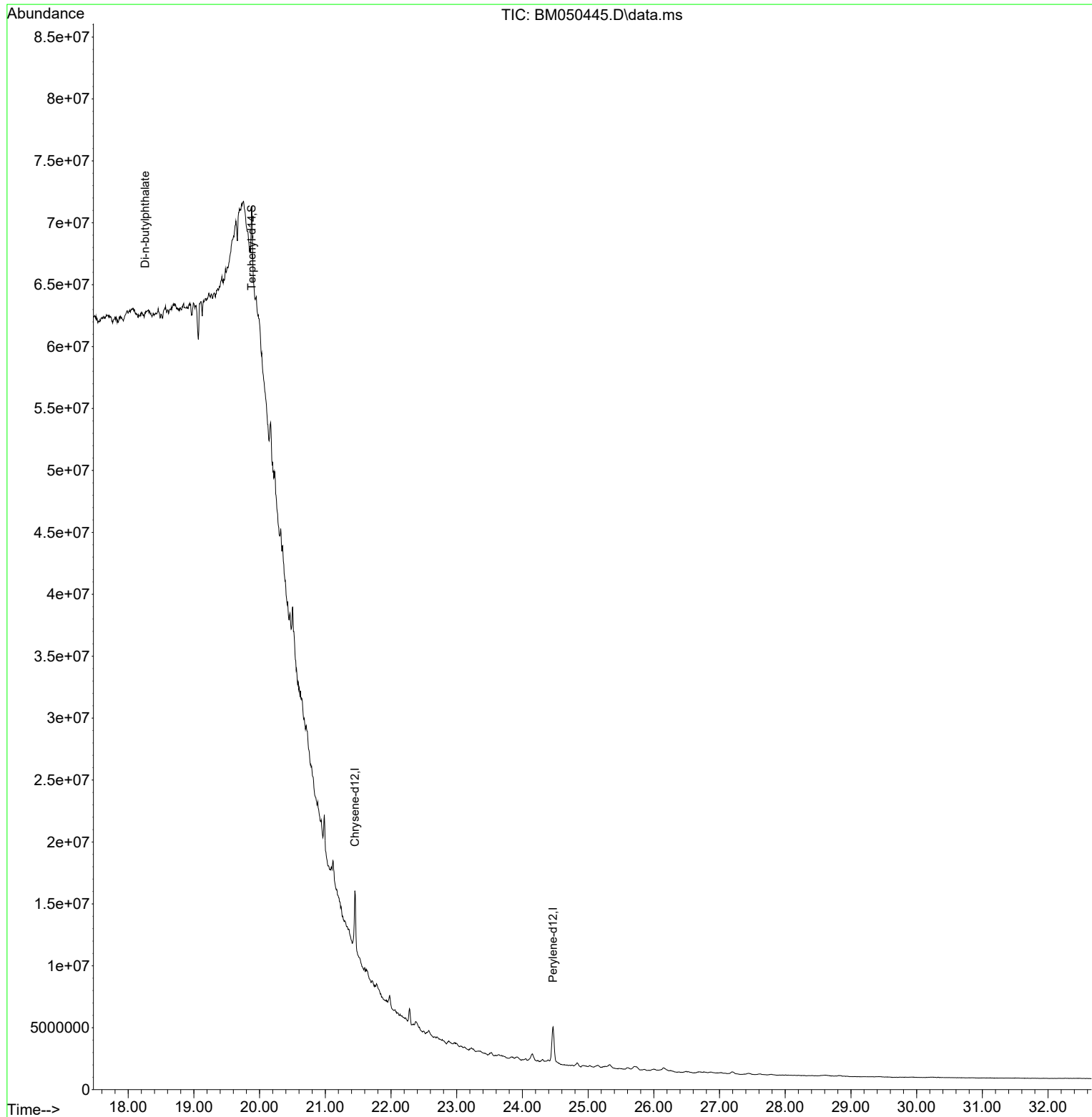
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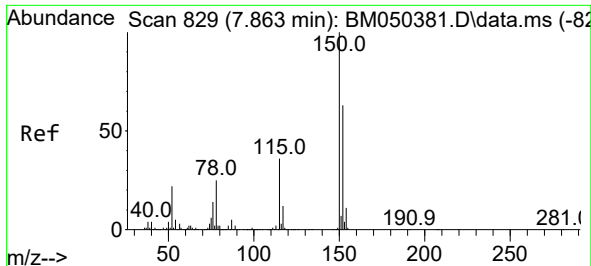


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
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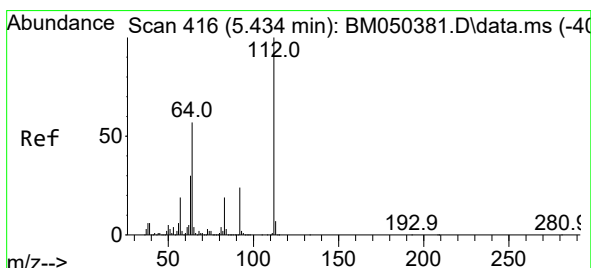
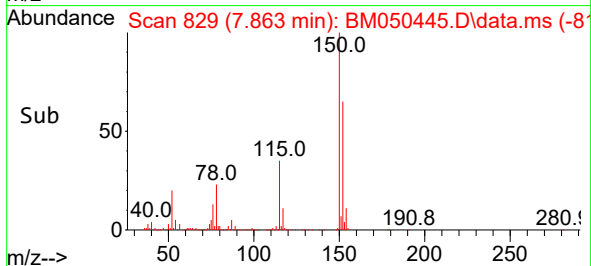
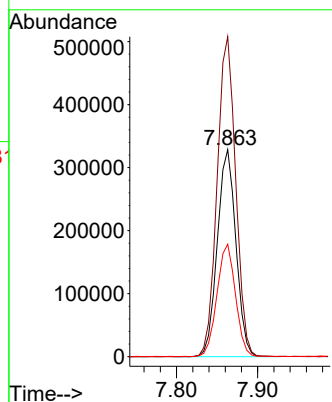
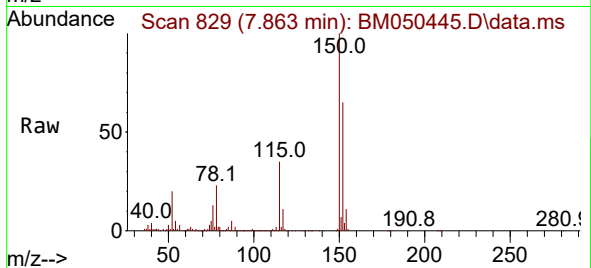




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

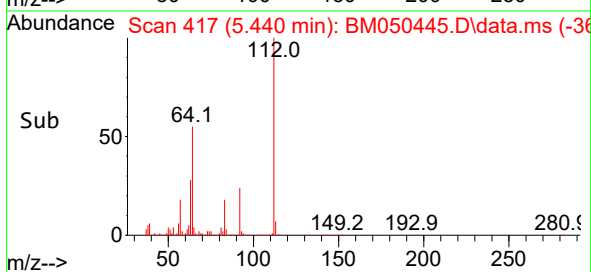
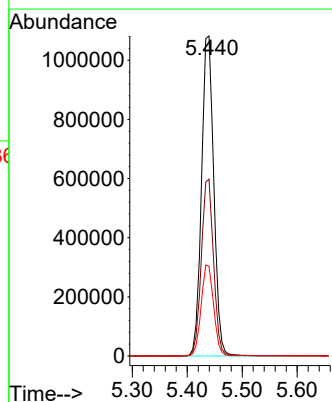
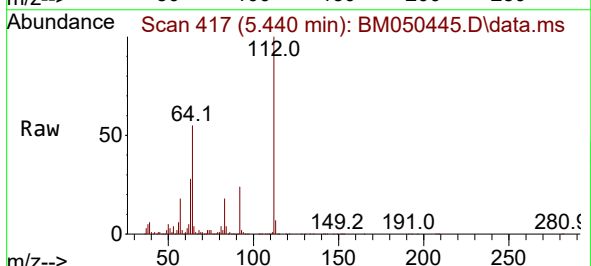
Instrument :
BNA_M
ClientSampleId :
MOO-25-0180

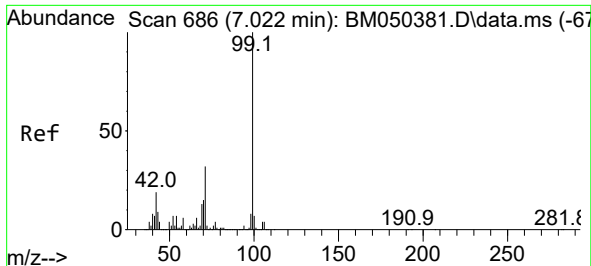
Tgt Ion:152 Resp: 524104
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.4
115 54.4 45.8 68.8



#5
2-Fluorophenol
Concen: 55.202 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:112 Resp: 1680795
Ion Ratio Lower Upper
112 100
64 55.2 45.5 68.3
63 28.1 24.2 36.4



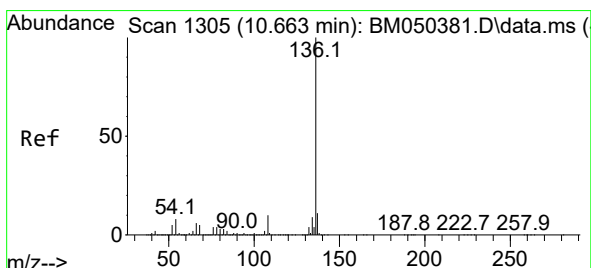
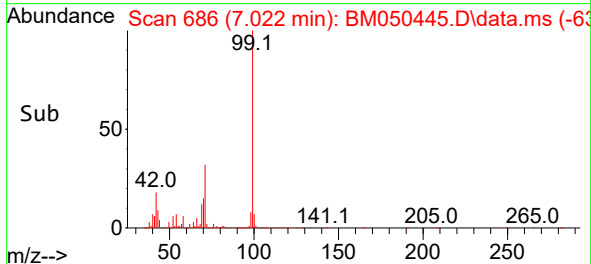
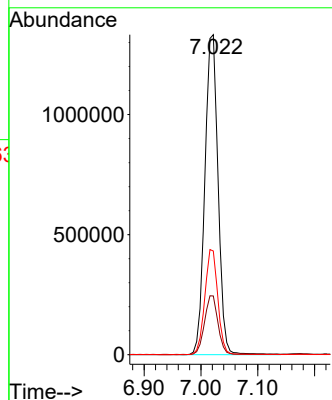
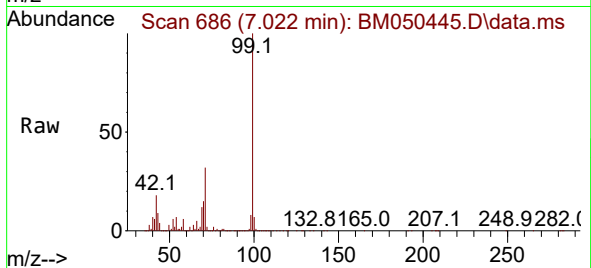


#7
Phenol-d6
Concen: 55.893 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Instrument :
BNA_M
ClientSampleId :
MOO-25-0180

Tgt Ion: 99 Resp: 2145324

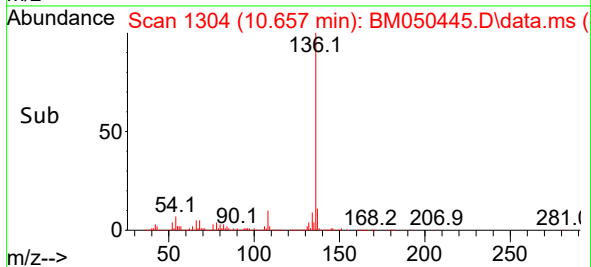
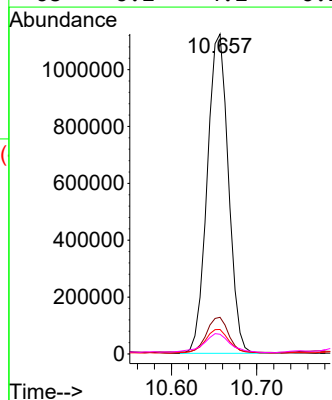
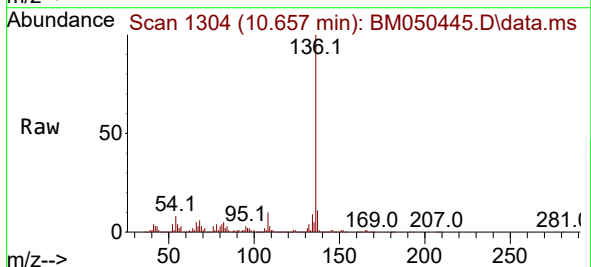
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.0	22.6
71	32.4	25.9	38.9

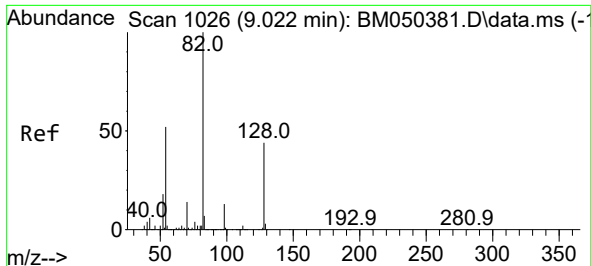


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion: 136 Resp: 1942248

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	7.7	6.3	9.5
68	6.2	4.2	6.2

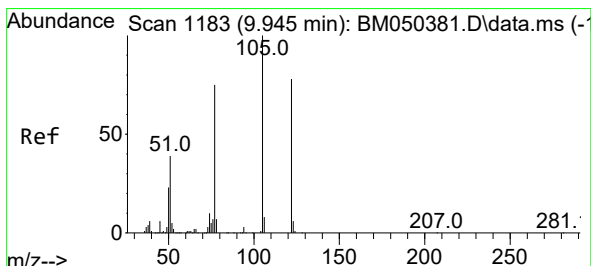
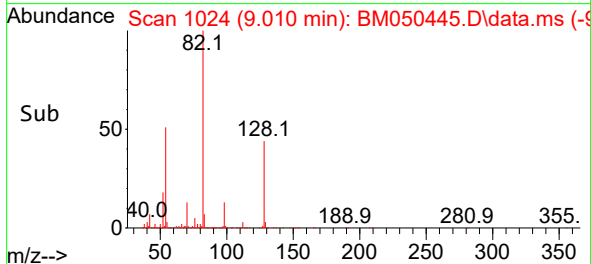
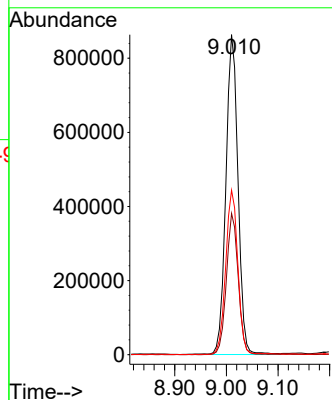
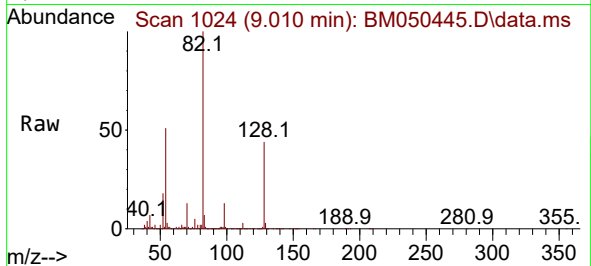




#23
Nitrobenzene-d5
Concen: 36.999 ng
RT: 9.010 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

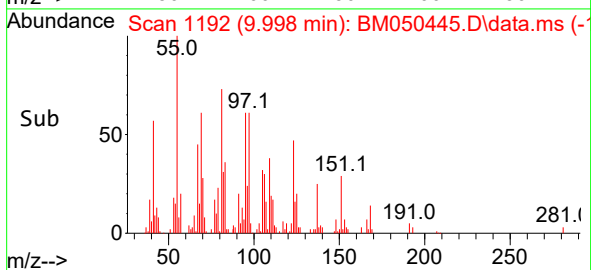
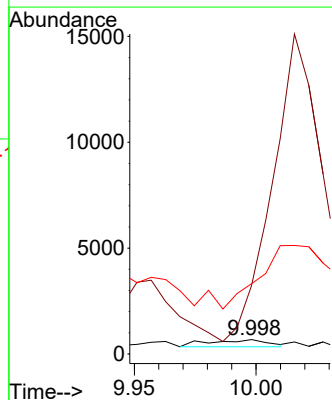
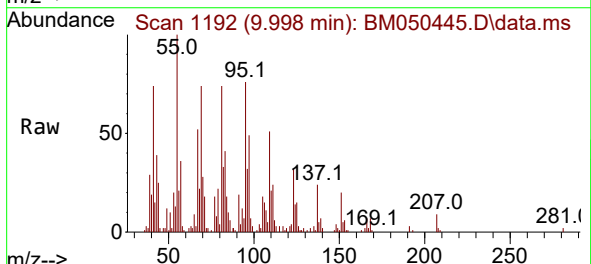
Instrument :
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ClientSampleId :
MOO-25-0180

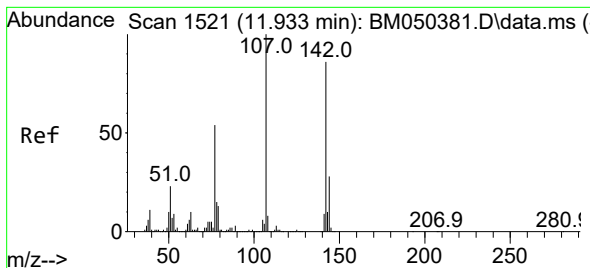
Tgt Ion: 82 Resp: 1408527
Ion Ratio Lower Upper
82 100
128 44.2 35.2 52.8
54 51.4 41.5 62.3



#32
Benzoic acid
Concen: 6.002 ng
RT: 9.998 min Scan# 1192
Delta R.T. 0.053 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:122 Resp: 569
Ion Ratio Lower Upper
122 100
105 474.5 104.0 144.0#
77 487.1 73.8 113.8#

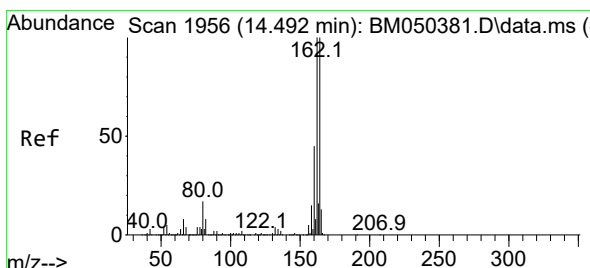
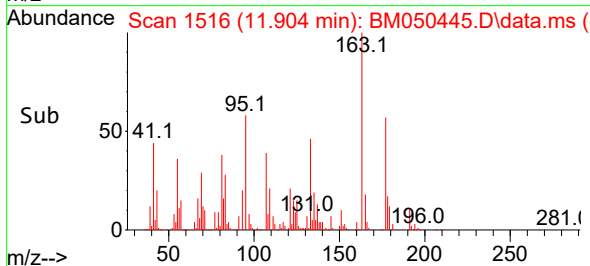
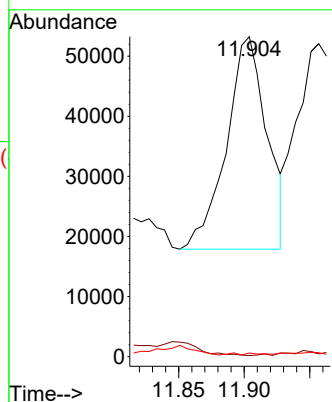
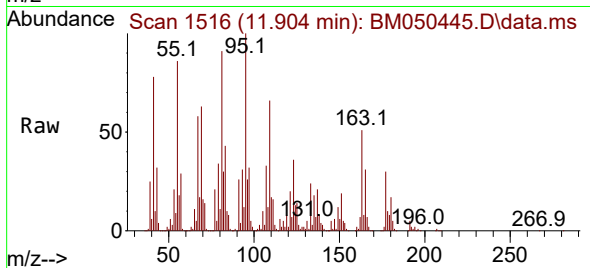




#36
4-Chloro-3-methylphenol
Concen: 2.689 ng
RT: 11.904 min Scan# 11
Delta R.T. -0.029 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

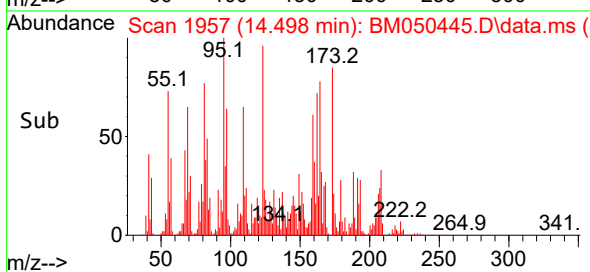
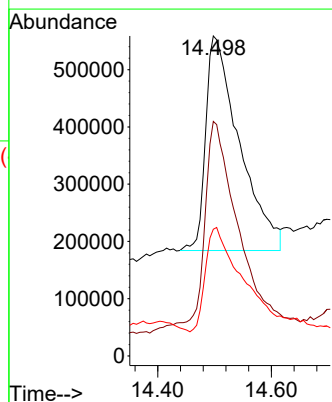
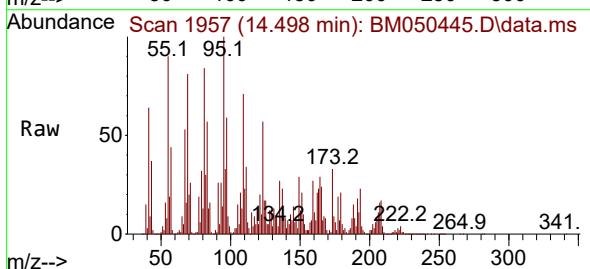
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ClientSampleId :
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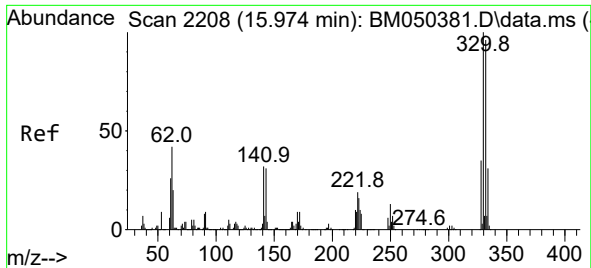
Tgt Ion:107 Resp: 76017
Ion Ratio Lower Upper
107 100
144 0.4 22.2 33.4#
142 1.1 68.7 103.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:164 Resp: 1539851
Ion Ratio Lower Upper
164 100
162 73.3 79.9 119.9#
160 39.6 36.2 54.4

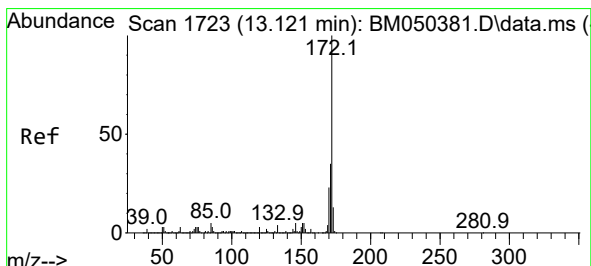
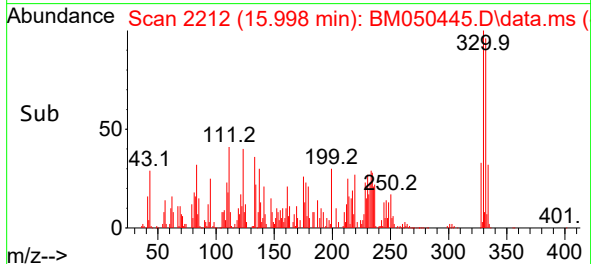
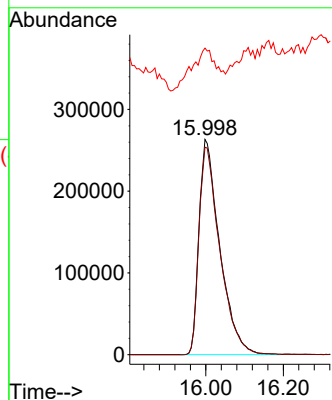
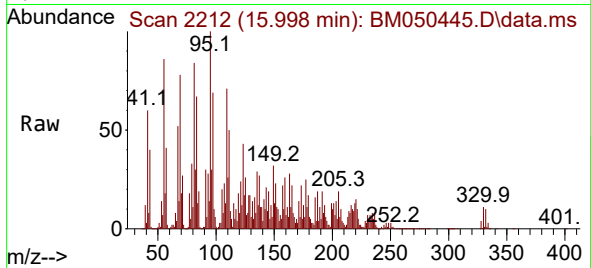




#42
2,4,6-Tribromophenol
Concen: 52.355 ng
RT: 15.998 min Scan# 21
Delta R.T. 0.024 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

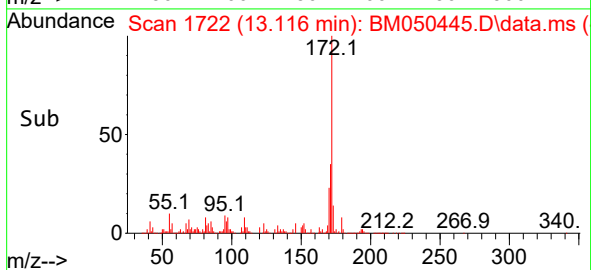
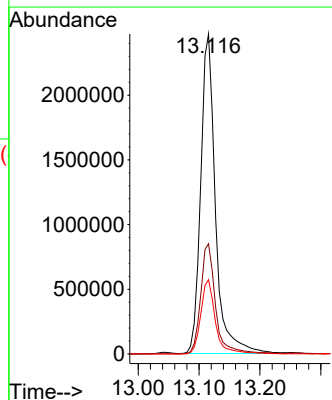
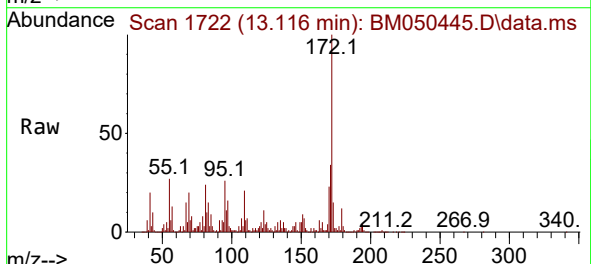
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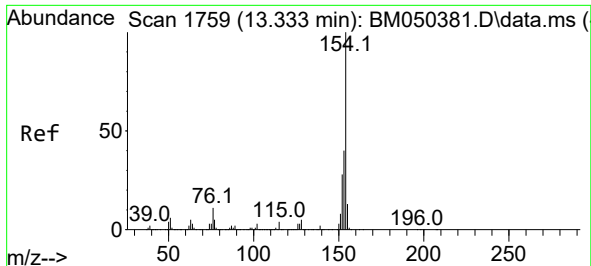
Tgt Ion:330 Resp: 979519
Ion Ratio Lower Upper
330 100
332 97.3 76.9 115.3
141 24.2 27.4 41.0#



#45
2-Fluorobiphenyl
Concen: 33.424 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:172 Resp: 4167674
Ion Ratio Lower Upper
172 100
171 34.5 27.7 41.5
170 23.2 18.8 28.2

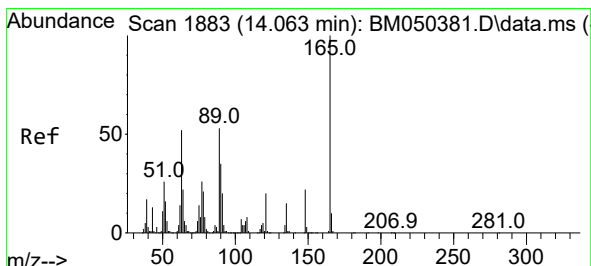
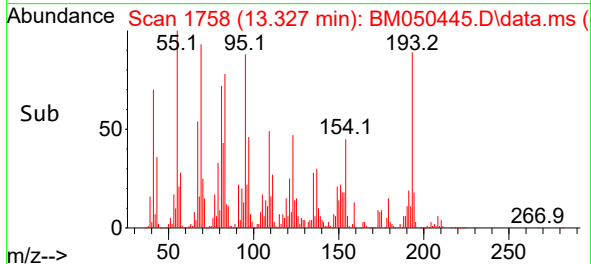
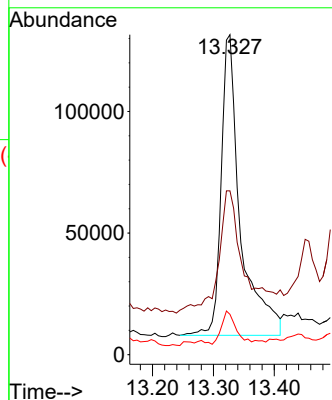
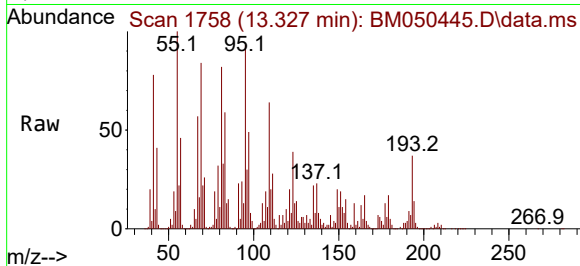




#46
1,1'-Biphenyl
Concen: 2.380 ng
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

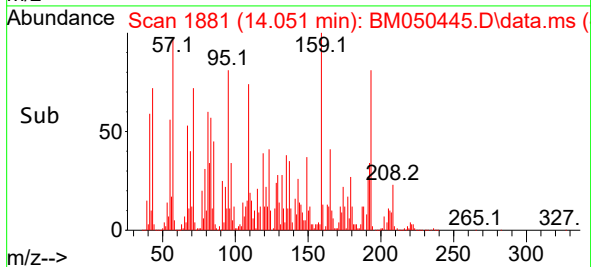
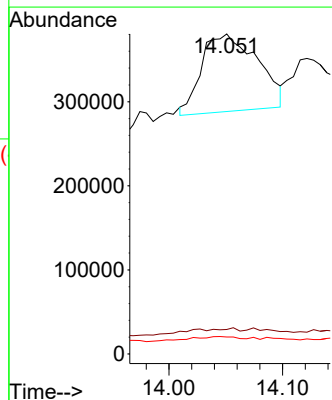
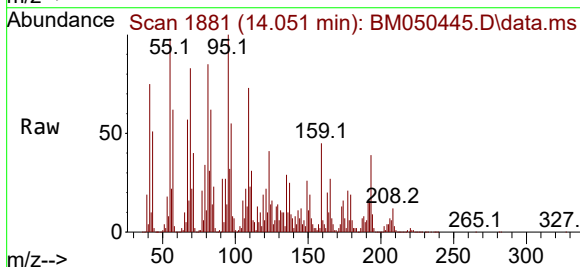
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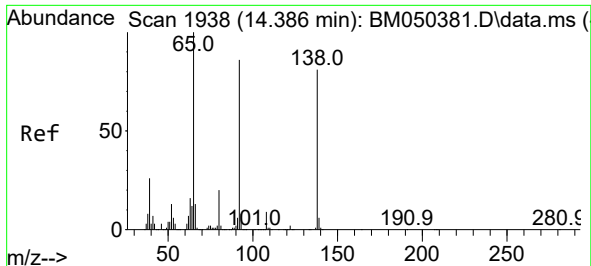
Tgt Ion:154 Resp: 271915
Ion Ratio Lower Upper
154 100
153 51.2 19.7 59.7
76 12.6 0.0 30.9



#51
2,6-Dinitrotoluene
Concen: 15.458 ng
RT: 14.051 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:165 Resp: 314658
Ion Ratio Lower Upper
165 100
63 7.7 42.4 63.6#
89 5.3 42.2 63.2#

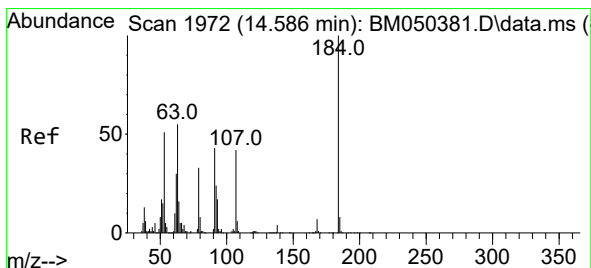
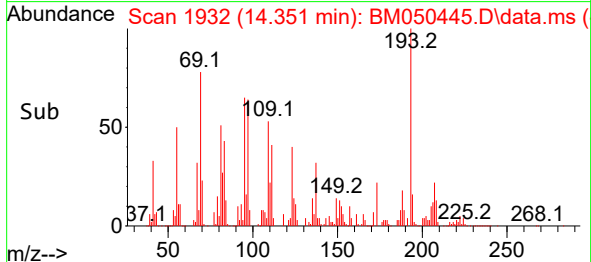
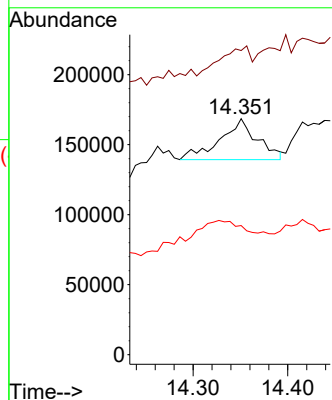
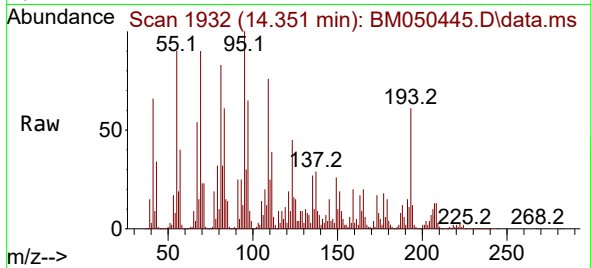




#53
3-Nitroaniline
Concen: 3.679 ng
RT: 14.351 min Scan# 1932
Delta R.T. -0.035 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

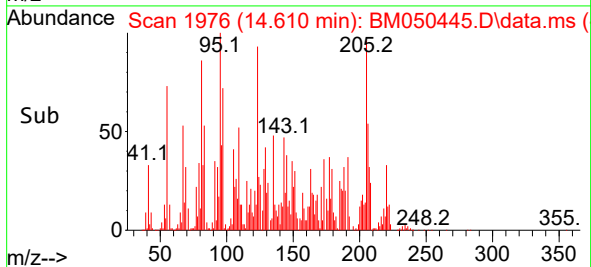
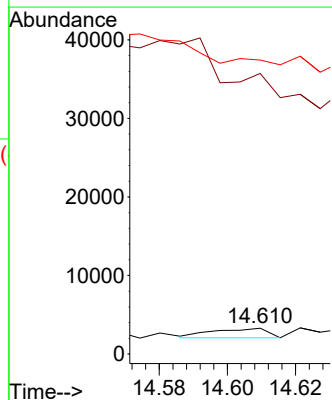
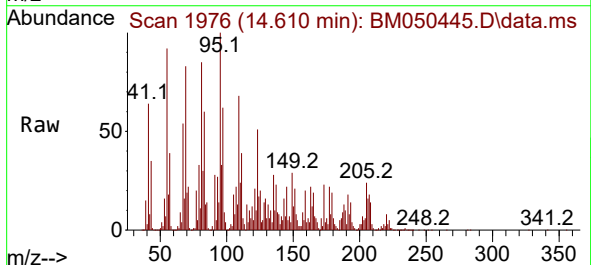
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MOO-25-0180

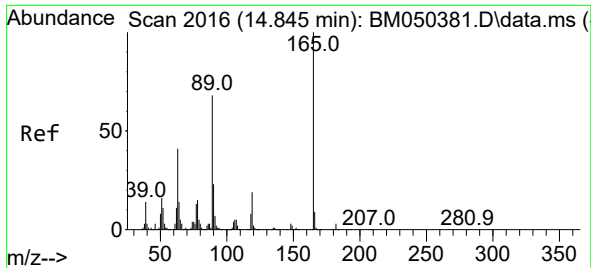
Tgt Ion:138 Resp: 79647
Ion Ratio Lower Upper
138 100
108 128.9 8.8 13.2#
92 54.7 85.0 127.6#



#54
2,4-Dinitrophenol
Concen: 6.517 ng
RT: 14.610 min Scan# 1976
Delta R.T. 0.024 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:184 Resp: 1337
Ion Ratio Lower Upper
184 100
63 1090.8 53.4 80.0#
154 1142.6 61.6 92.4#

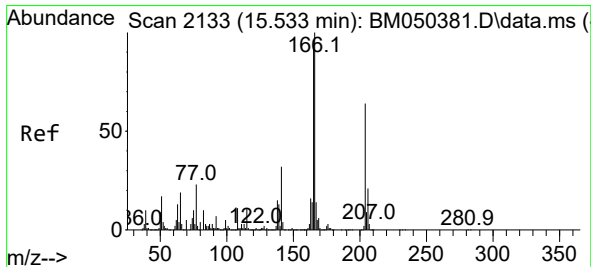
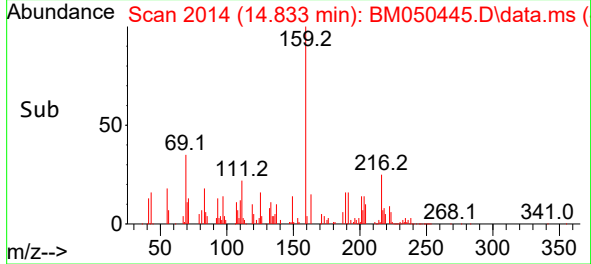
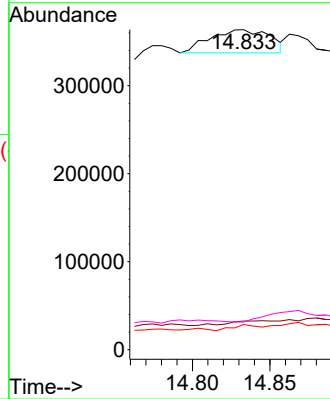
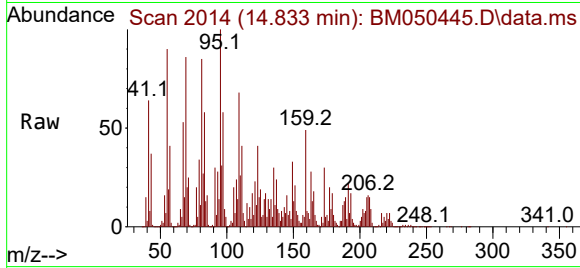




#57
2,4-Dinitrotoluene
Concen: 4.924 ng
RT: 14.833 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

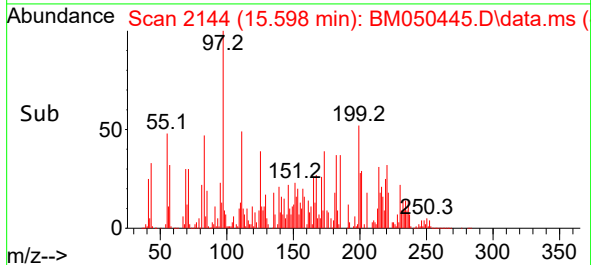
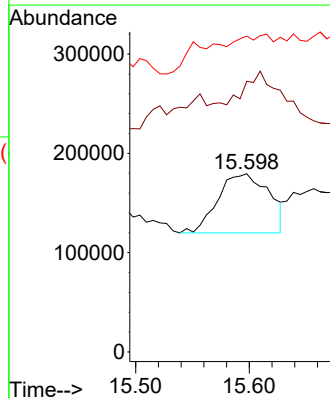
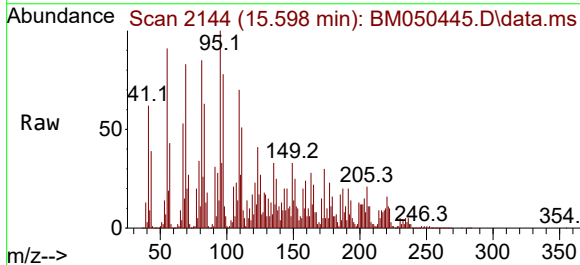
Instrument :
BNA_M
ClientSampleId :
MOO-25-0180

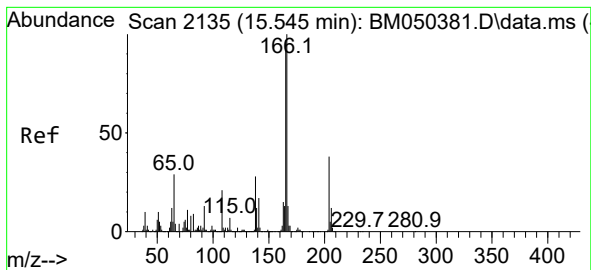
Tgt Ion:165 Resp: 71079
Ion Ratio Lower Upper
165 100
63 9.0 32.5 48.7#
89 7.9 54.0 81.0#
182 8.6 2.0 3.0#



#61
4-Chlorophenyl-phenylether
Concen: 3.206 ng
RT: 15.598 min Scan# 2144
Delta R.T. 0.065 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:204 Resp: 186229
Ion Ratio Lower Upper
204 100
206 151.8 26.6 39.8#
141 177.1 39.9 59.9#

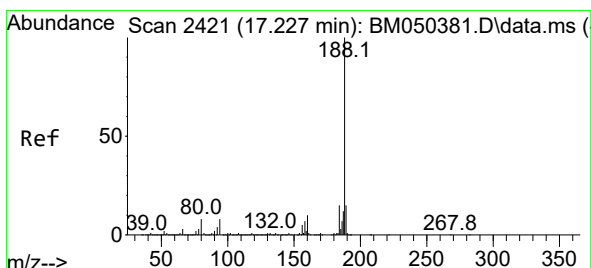
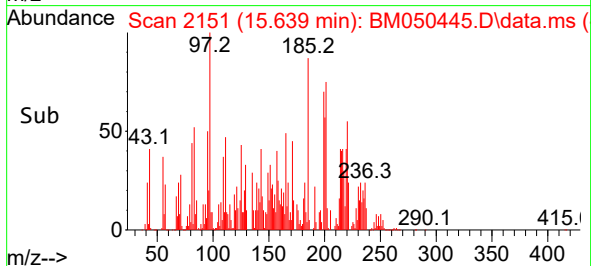
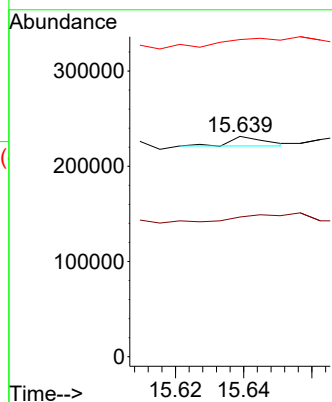
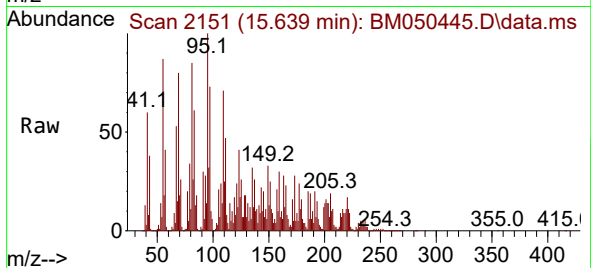




#62
4-Nitroaniline
Concen: 2.862 ng
RT: 15.639 min Scan# 2135
Delta R.T. 0.094 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

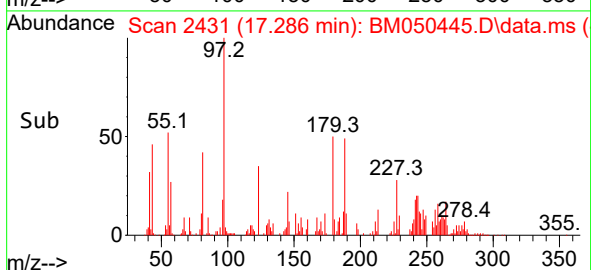
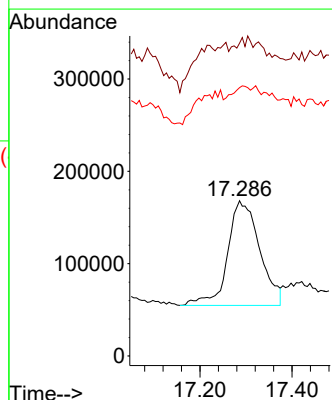
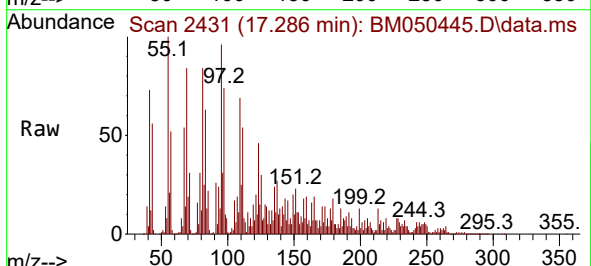
Instrument :
BNA_M
ClientSampleId :
MOO-25-0180

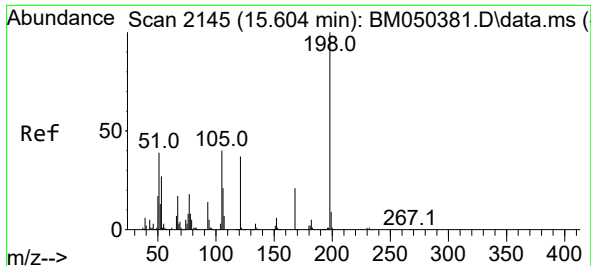
Tgt Ion:138 Resp: 7248
Ion Ratio Lower Upper
138 100
92 63.4 24.5 64.5
108 143.9 52.5 92.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2431
Delta R.T. 0.059 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:188 Resp: 547191
Ion Ratio Lower Upper
188 100
94 201.6 6.0 9.0#
80 172.9 6.5 9.7#

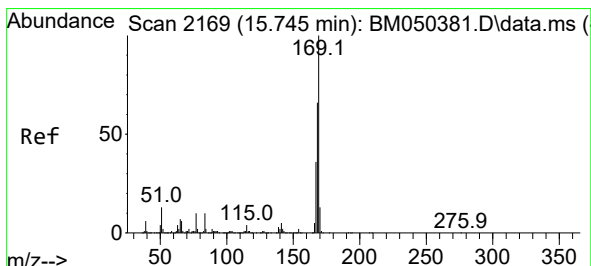
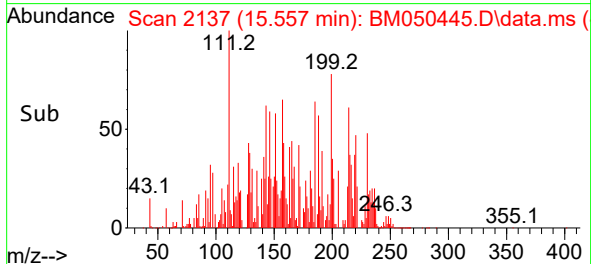
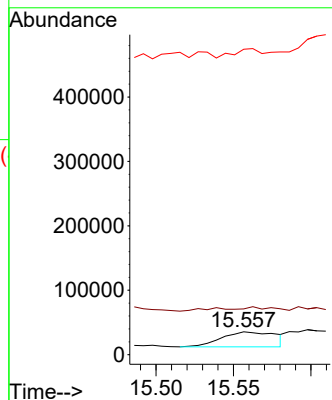
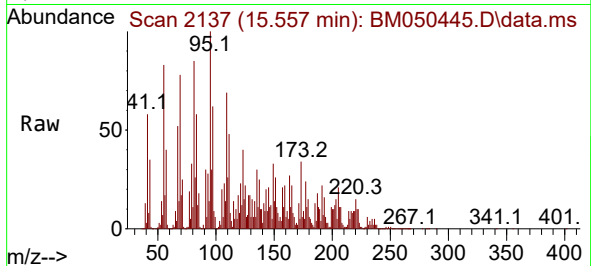




#65
4,6-Dinitro-2-methylphenol
Concen: 22.955 ng
RT: 15.557 min Scan# 2145
Delta R.T. -0.047 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

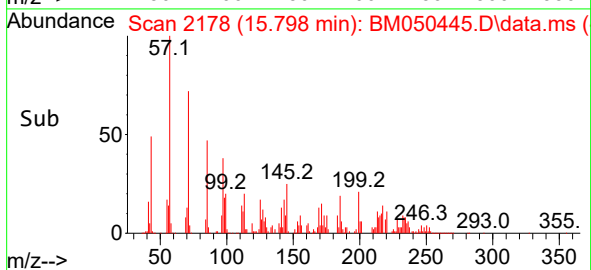
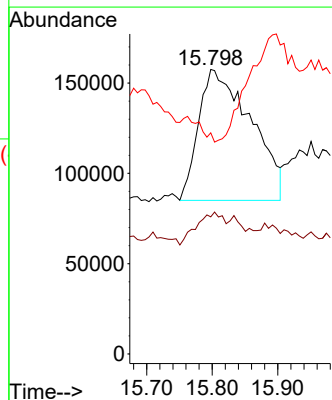
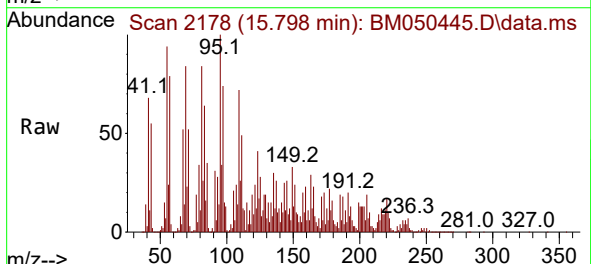
Instrument :
BNA_M
ClientSampleId :
MOO-25-0180

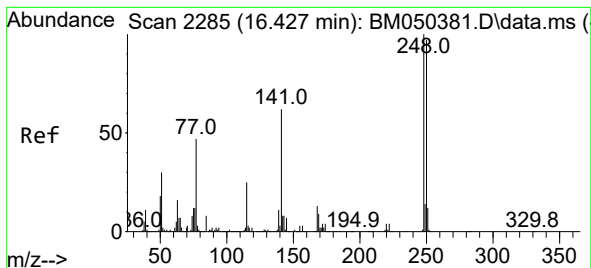
Tgt Ion:198 Resp: 56403
Ion Ratio Lower Upper
198 100
51 200.4 26.6 66.6#
105 1338.5 20.9 60.9#



#66
n-Nitrosodiphenylamine
Concen: 23.516 ng
RT: 15.798 min Scan# 2178
Delta R.T. 0.053 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:169 Resp: 402660
Ion Ratio Lower Upper
169 100
168 48.2 53.2 79.8#
167 77.7 28.7 43.1#

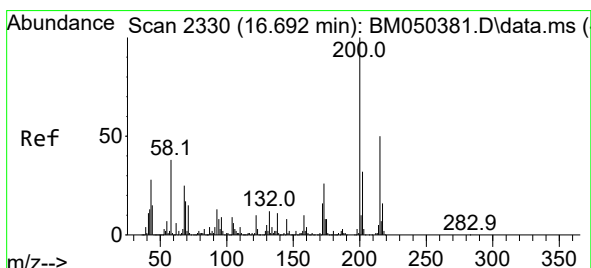
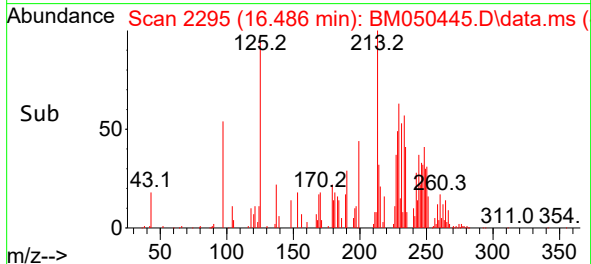
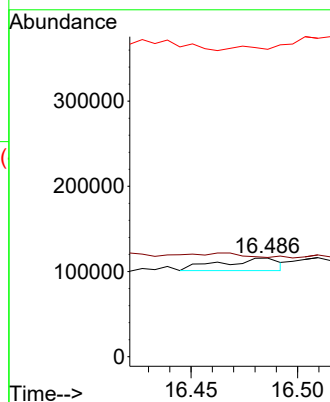
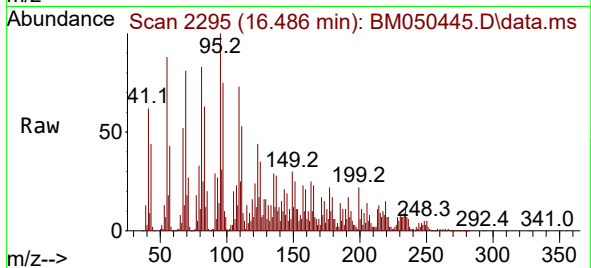




#67
4-Bromophenyl-phenylether
Concen: 4.667 ng
RT: 16.486 min Scan# 21
Delta R.T. 0.059 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

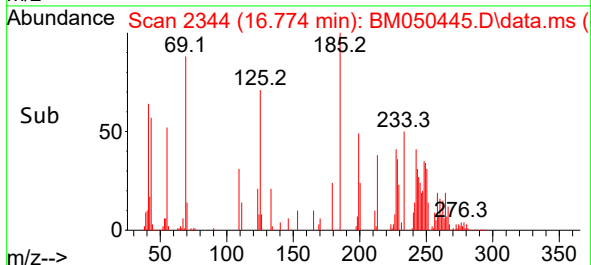
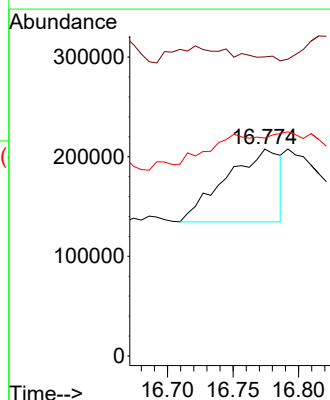
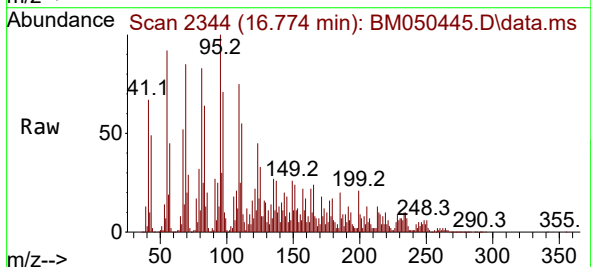
Instrument :
BNA_M
ClientSampleId :
MOO-25-0180

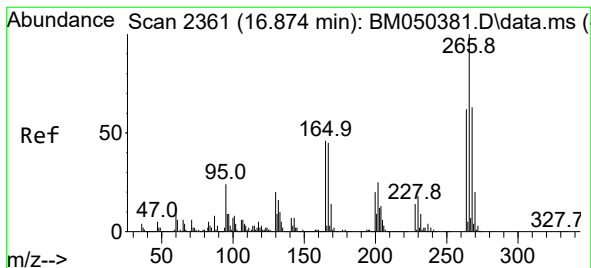
Tgt Ion:248 Resp: 28137
Ion Ratio Lower Upper
248 100
250 100.7 77.9 116.9
141 311.9 49.7 74.5#



#69
Atrazine
Concen: 37.630 ng
RT: 16.774 min Scan# 2344
Delta R.T. 0.082 min
Lab File: BM050445.D
Acq: 15 Jul 2025 03:31

Tgt Ion:200 Resp: 211573
Ion Ratio Lower Upper
200 100
173 144.5 5.6 45.6#
215 105.3 29.6 69.6#





#70

Pentachlorophenol

Concen: 22.916 ng

RT: 16.956 min Scan# 21

Delta R.T. 0.082 min

Lab File: BM050445.D

Acq: 15 Jul 2025 03:31

Instrument :

BNA_M

ClientSampleId :

MOO-25-0180

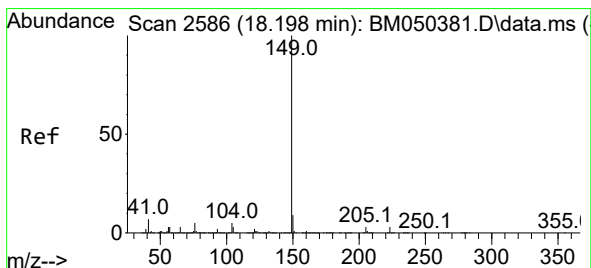
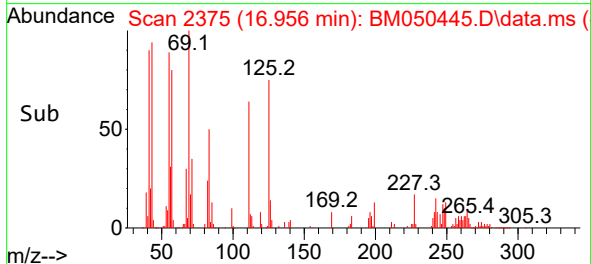
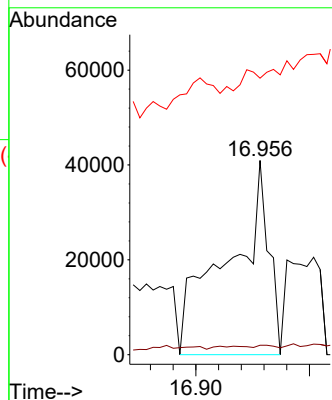
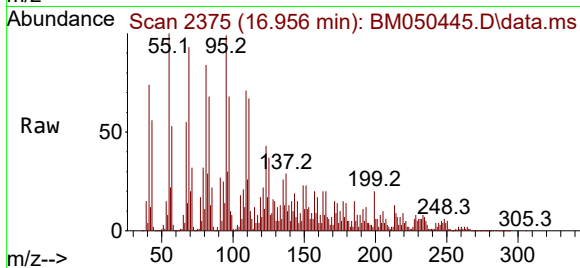
Tgt Ion:266 Resp: 101578

Ion Ratio Lower Upper

266 100

268 4.9 50.5 75.7#

264 142.4 49.9 74.9#



#74

Di-n-butylphthalate

Concen: 8.262 ng

RT: 18.256 min Scan# 2596

Delta R.T. 0.059 min

Lab File: BM050445.D

Acq: 15 Jul 2025 03:31

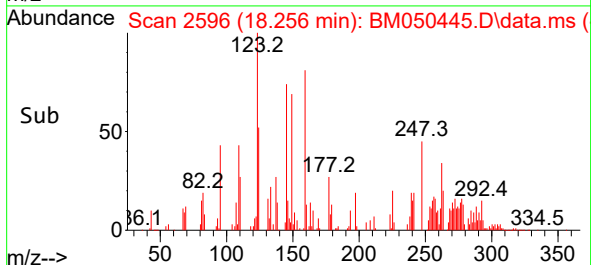
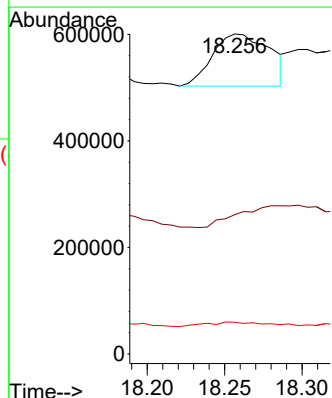
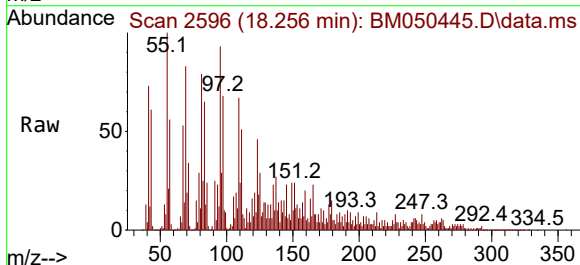
Tgt Ion:149 Resp: 252194

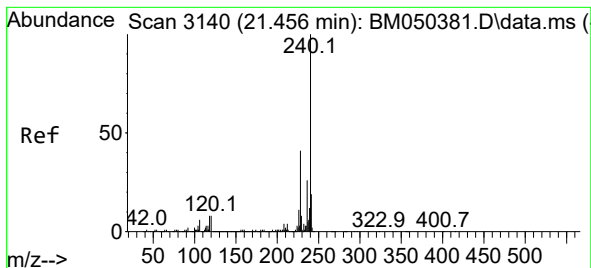
Ion Ratio Lower Upper

149 100

150 43.5 7.3 10.9#

104 9.9 3.9 5.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050445.D

Acq: 15 Jul 2025 03:31

Instrument :

BNA_M

ClientSampleId :

MOO-25-0180

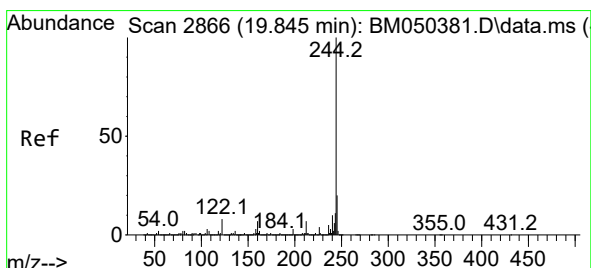
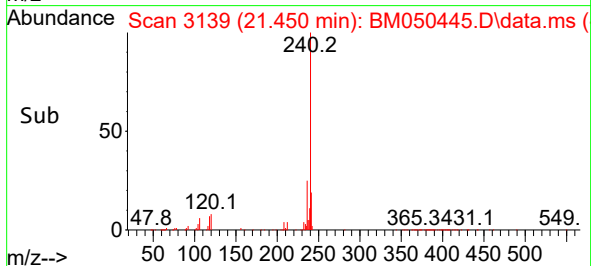
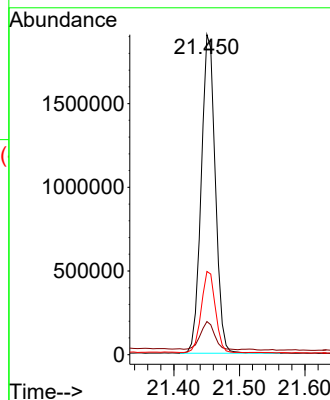
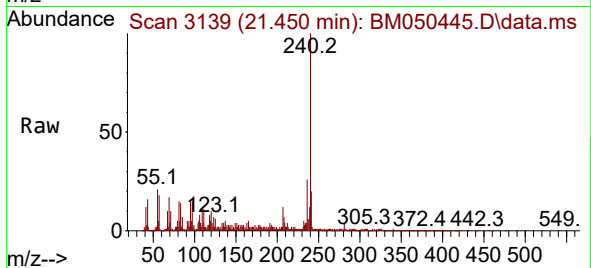
Tgt Ion:240 Resp: 2849037

Ion Ratio Lower Upper

240 100

120 10.4 6.7 10.1#

236 26.0 20.7 31.1



#79

Terphenyl-d14

Concen: 35.740 ng

RT: 19.880 min Scan# 2872

Delta R.T. 0.035 min

Lab File: BM050445.D

Acq: 15 Jul 2025 03:31

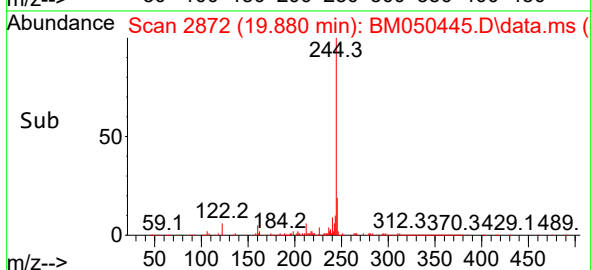
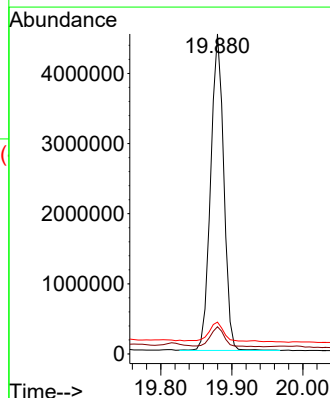
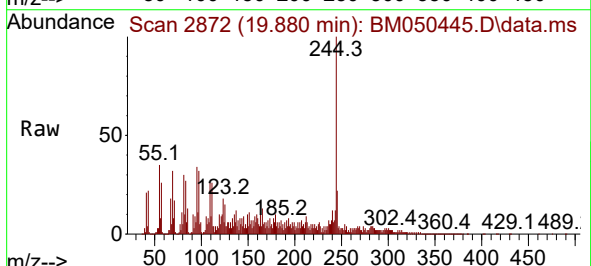
Tgt Ion:244 Resp: 5787204

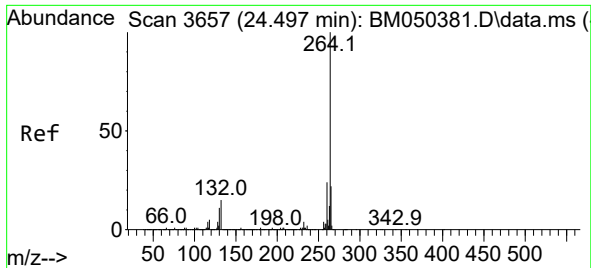
Ion Ratio Lower Upper

244 100

212 8.5 5.7 8.5

122 9.9 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: BM050445.D
Acq: 15 Jul 2025 03:31

Instrument :
BNA_M
ClientSampleId :
MOO-25-0180

Tgt Ion:264 Resp: 2909724

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	17.8	26.6

