

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050410.D
 Acq On : 11 Jul 2025 13:02
 Operator : RC/JU
 Sample : Q2126-08
 Misc : LOQ-WATER-10 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Jul 11 13:41:54 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

Manual Integrations APPROVED

Reviewed By :Rahul
 Chavli

07/14/2025
 Supervised By :Jagrut
 Upadhyay

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	412309	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1550625	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	997585	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1933677	20.000	ng	0.00
76) Chrysene-d12	21.450	240	1998273	20.000	ng	0.00
86) Perylene-d12	24.485	264	2028179	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2975418	124.219	ng	0.00
7) Phenol-d6	7.022	99	3842517	127.255	ng	0.00
23) Nitrobenzene-d5	9.016	82	2497107	82.159	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1639619	135.274	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	6499758	80.462	ng	0.00
79) Terphenyl-d14	19.839	244	10719655	94.385	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.646	42	113551	9.419	ng	# 98
9) Benzaldehyde	6.998	77	212201	11.814	ng	98
15) Benzyl Alcohol	8.098	79	193924	9.115	ng	98
20) 3+4-Methylphenols	8.622	107	243473	8.879	ng	100
32) Benzoic acid	9.892	122	84760	11.114	ng	94
35) Caprolactam	11.563	113	52864m	8.014	ng	
41) Hexachlorocyclopentadiene	12.674	237	152285	7.510	ng	99
54) 2,4-Dinitrophenol	14.586	184	37617	11.163	ng	92
56) 4-Nitrophenol	14.680	139	93101	7.720	ng	96
65) 4,6-Dinitro-2-methylph...	15.598	198	60172	11.330	ng	97
70) Pentachlorophenol	16.874	266	121501	7.757	ng	99
77) Benzidine	19.450	184	464445	9.112	ng	99
82) 3,3'-Dichlorobenzidine	21.350	252	357722	8.147	ng	100
85) Di-n-octyl phthalate	22.515	149	797602	7.602	ng	98

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

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Misc : LOQ-WATER-10 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
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LOQ-WATER-02-QT2-2025

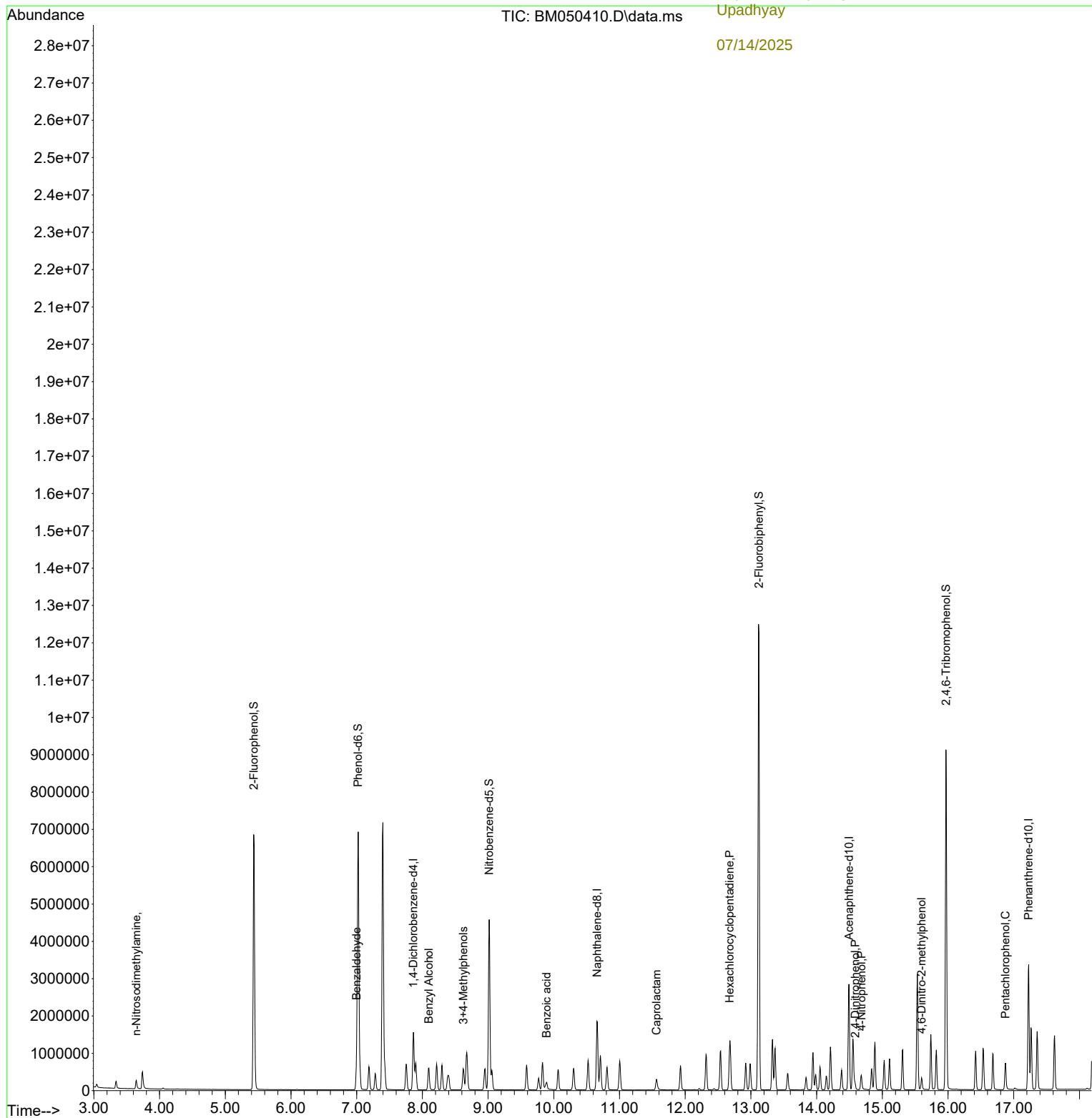
Quant Time: Jul 11 13:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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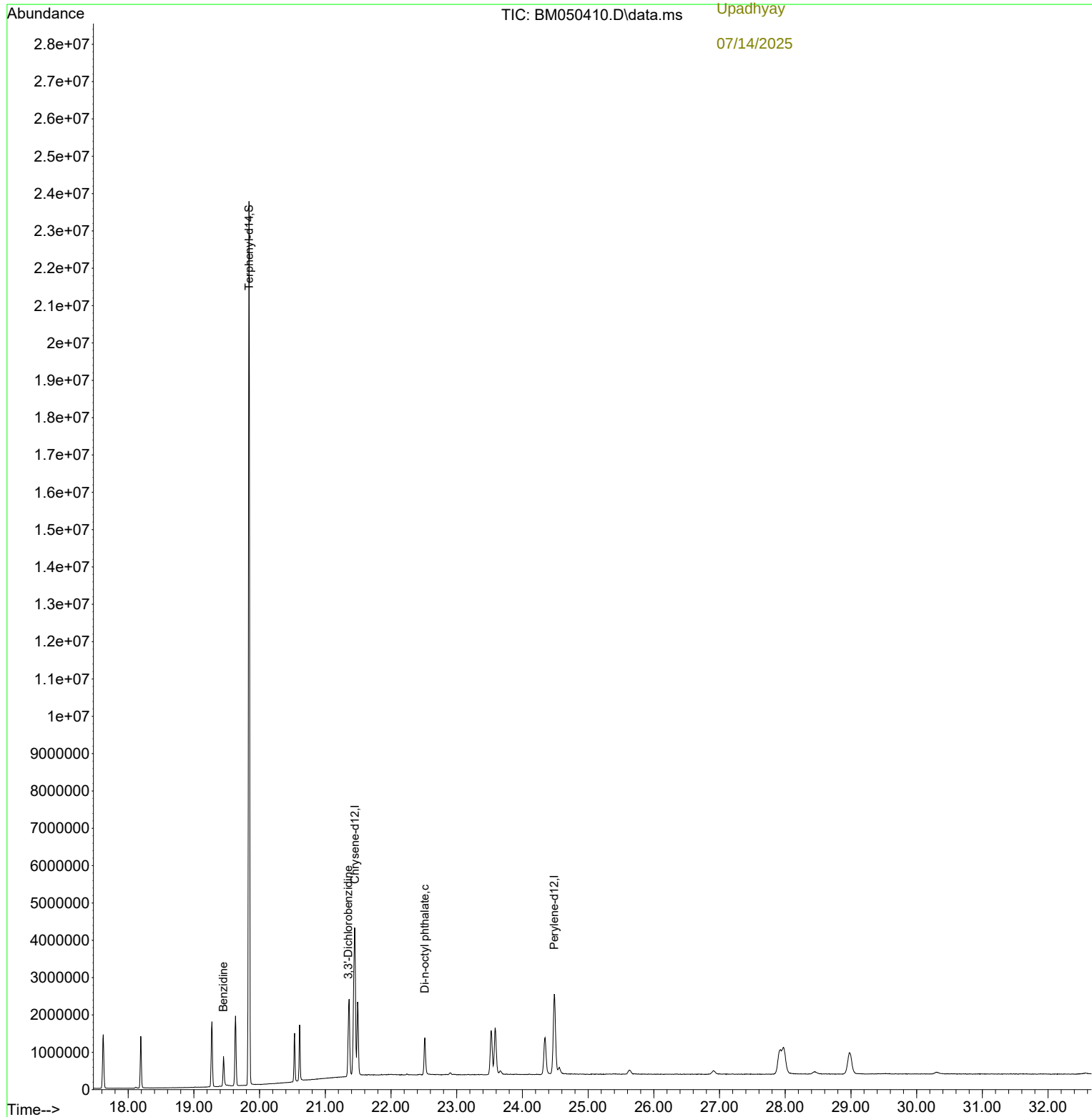
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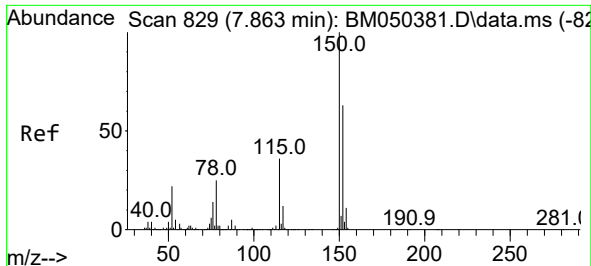
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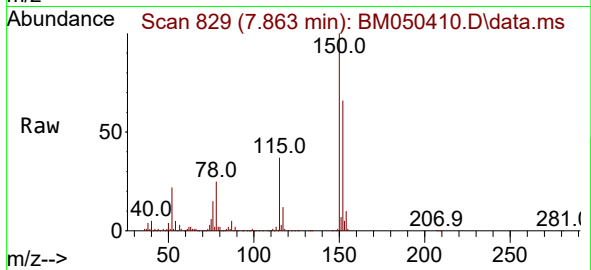
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



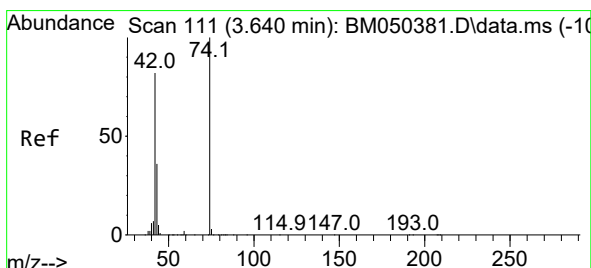
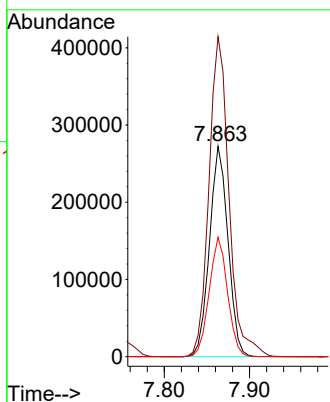
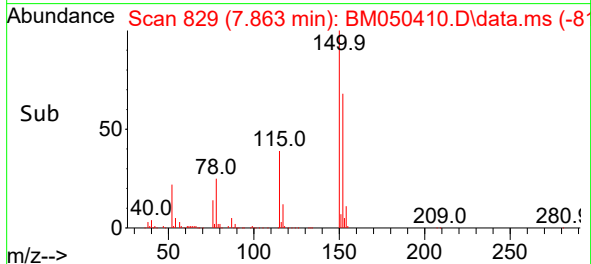
Tgt Ion:152 Resp: 412309
Ion Ratio Lower Upper
152 100
150 152.1 126.2 189.4
115 56.7 45.8 68.8

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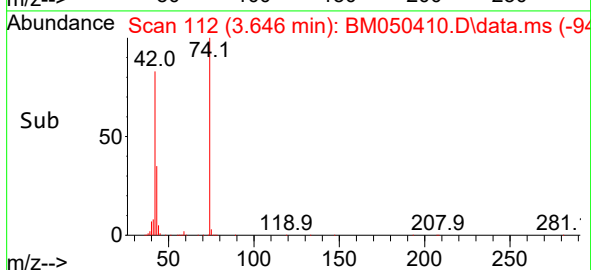
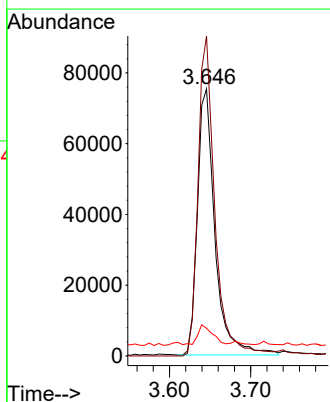
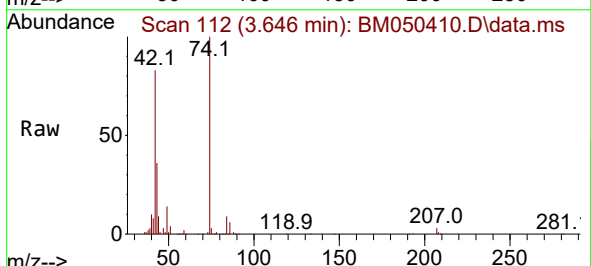
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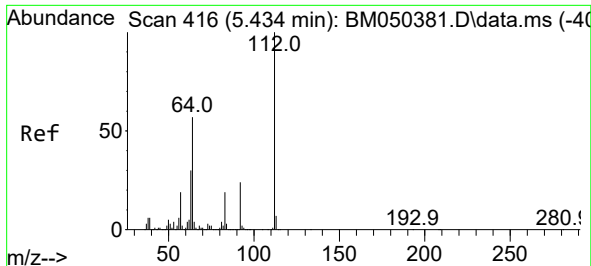
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#4
n-Nitrosodimethylamine
Concen: 9.419 ng
RT: 3.646 min Scan# 112
Delta R.T. 0.006 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

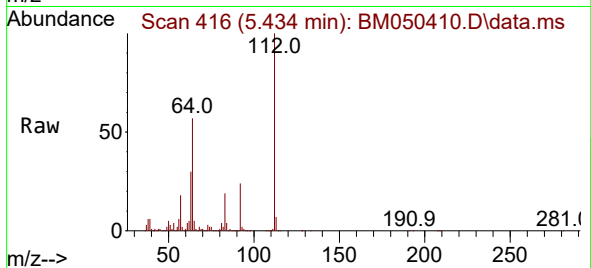
Tgt Ion: 42 Resp: 113551
Ion Ratio Lower Upper
42 100
74 119.8 97.5 146.3
44 10.3 5.7 8.5#





#5
2-Fluorophenol
Concen: 124.219 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
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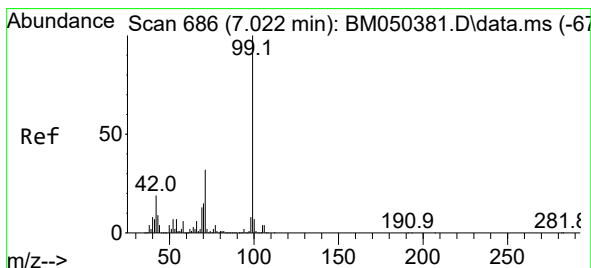
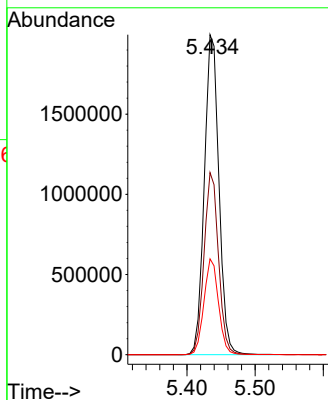
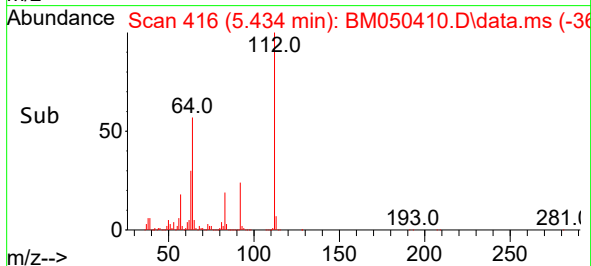
Tgt Ion:112 Resp: 2975418
Ion Ratio Lower Upper
112 100
64 56.9 45.5 68.3
63 29.9 24.2 36.4

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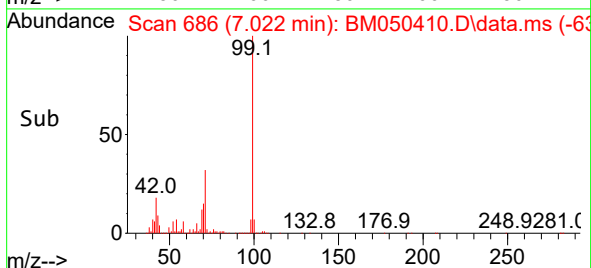
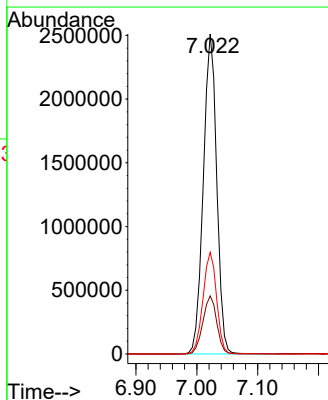
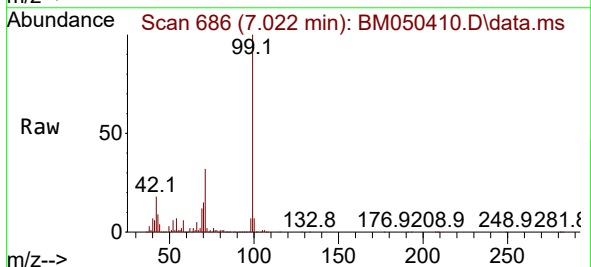
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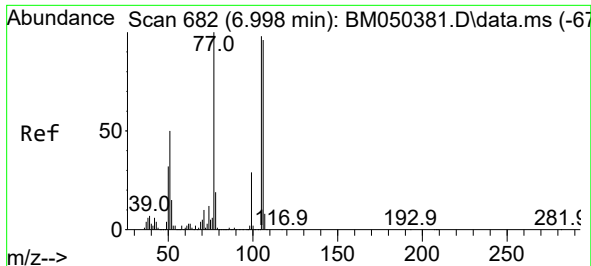
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#7
Phenol-d6
Concen: 127.255 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

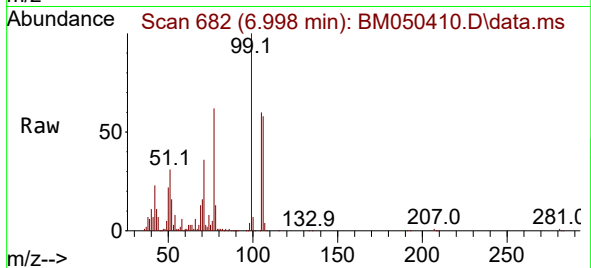
Tgt Ion: 99 Resp: 3842517
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.6
71 31.7 25.9 38.9





#9
Benzaldehyde
Concen: 11.814 ng
RT: 6.998 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



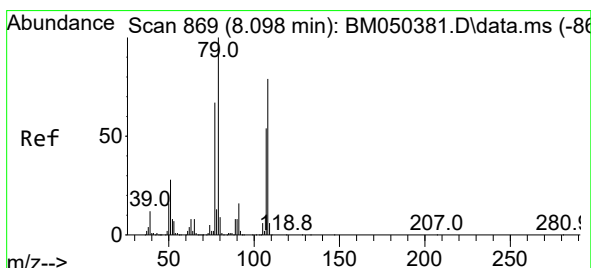
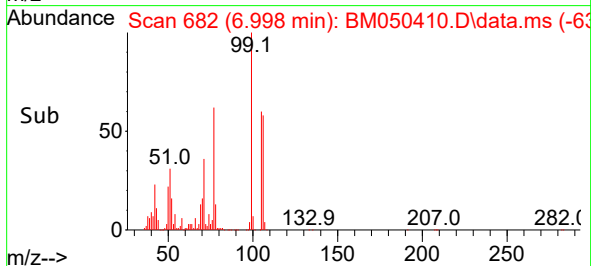
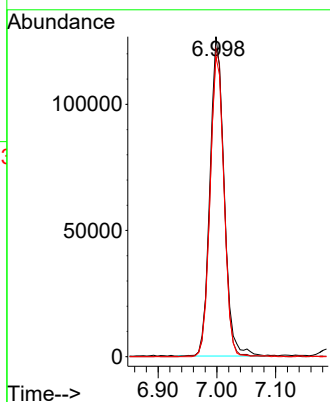
Tgt Ion: 77 Resp: 21220
Ion Ratio Lower Upper
77 100
105 96.3 78.4 118.4
106 93.8 76.3 116.3

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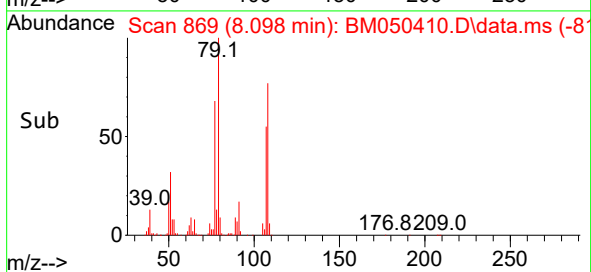
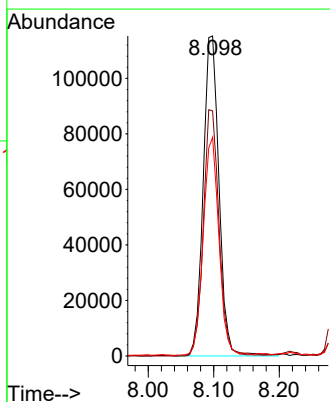
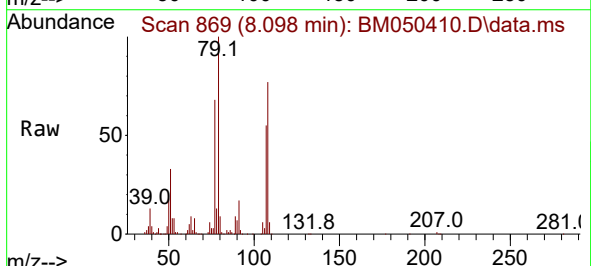
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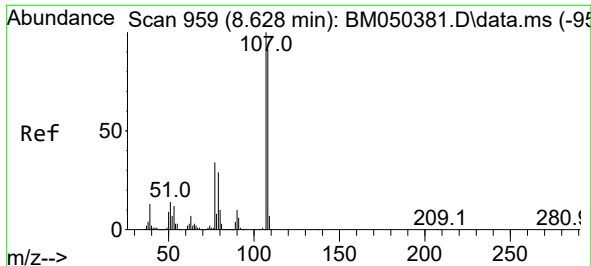
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#15
Benzyl Alcohol
Concen: 9.115 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

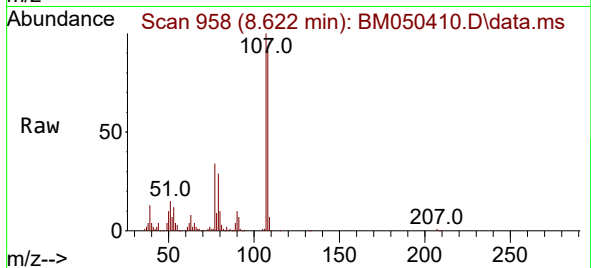
Tgt Ion: 79 Resp: 193924
Ion Ratio Lower Upper
79 100
108 76.6 63.0 94.4
77 68.4 53.4 80.0





#20
3+4-Methylphenols
Concen: 8.879 ng
RT: 8.622 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument : BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



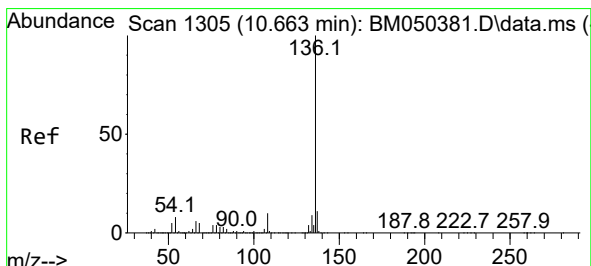
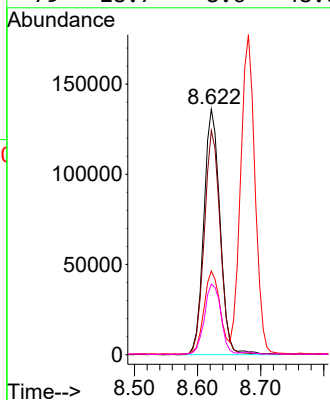
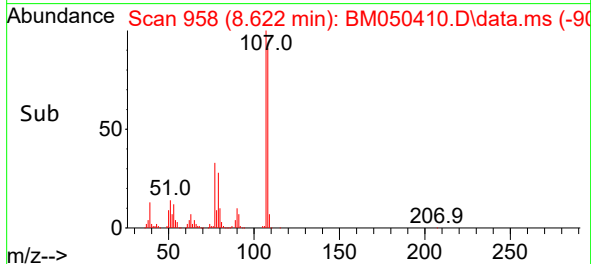
Tgt Ion:107 Resp: 24347
Ion Ratio Lower Upper
107 100
108 91.3 71.5 111.5
77 34.1 13.7 53.7
79 28.7 8.6 48.6

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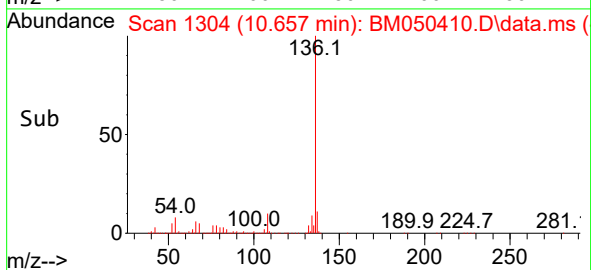
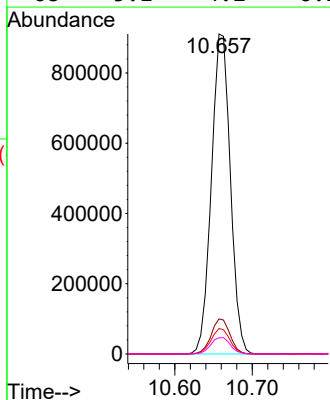
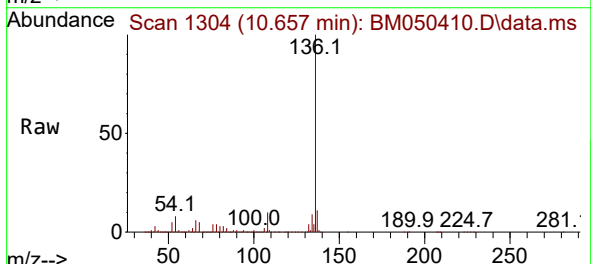
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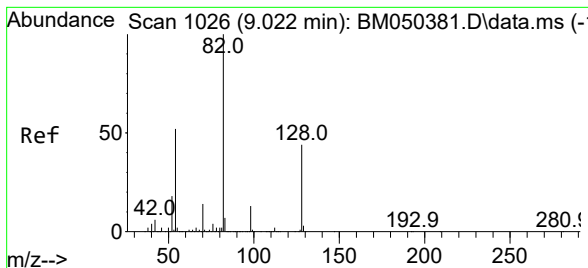
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

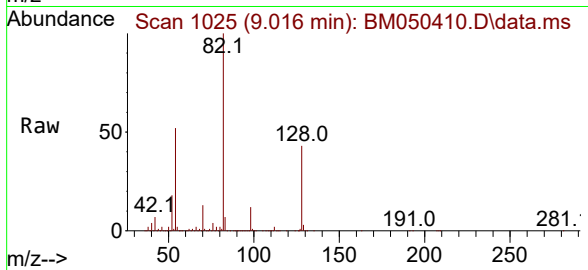
Tgt Ion:136 Resp: 1550625
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.9 6.3 9.5
68 5.1 4.2 6.2





#23
Nitrobenzene-d5
Concen: 82.159 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



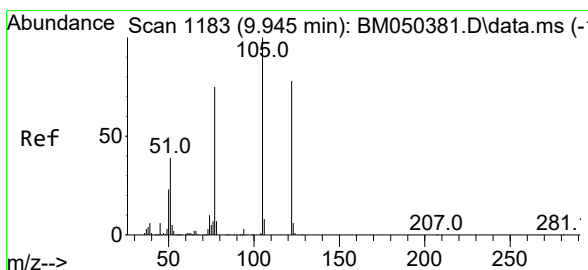
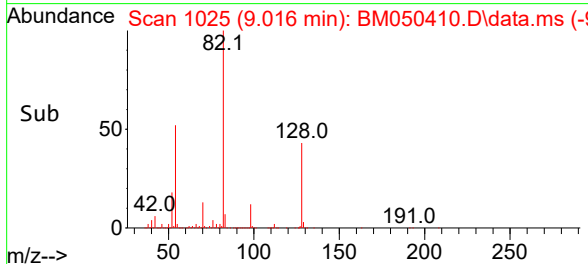
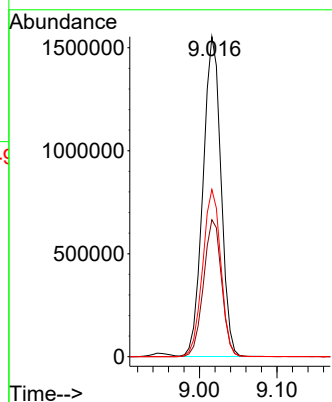
Tgt Ion: 82 Resp: 249710
Ion Ratio Lower Upper
82 100
128 42.8 35.2 52.8
54 52.3 41.5 62.3

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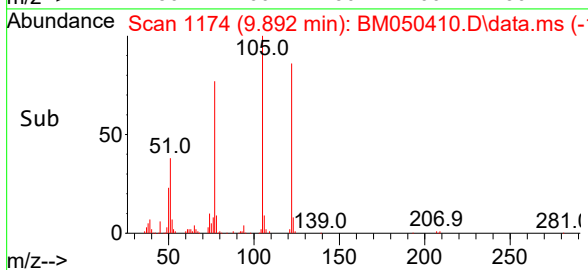
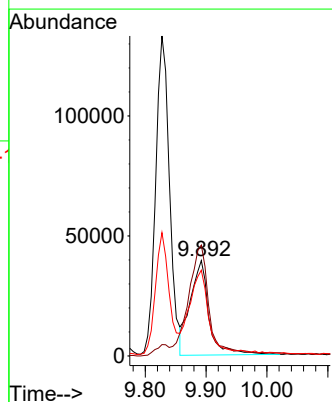
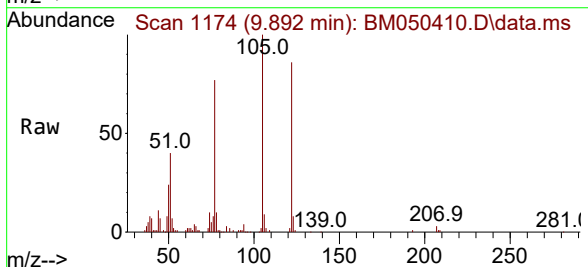
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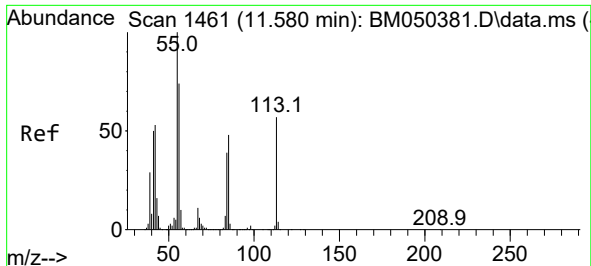
07/14/2025



#32
Benzoic acid
Concen: 11.114 ng
RT: 9.892 min Scan# 1174
Delta R.T. -0.053 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

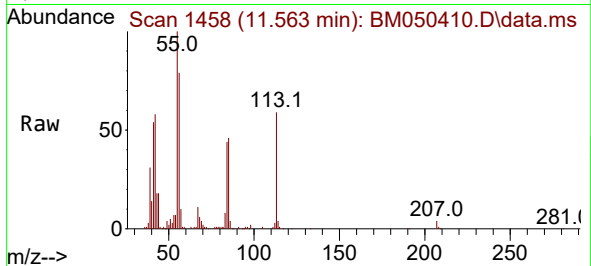
Tgt Ion:122 Resp: 84760
Ion Ratio Lower Upper
122 100
105 116.2 104.0 144.0
77 90.0 73.8 113.8





#35
Caprolactam
Concen: 8.014 ng m
RT: 11.563 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



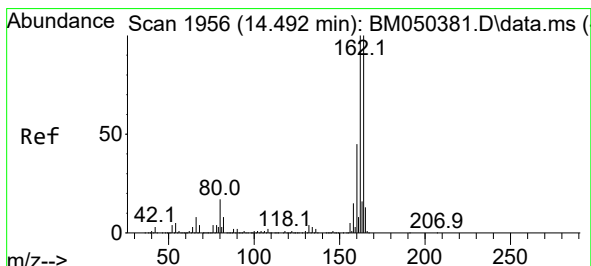
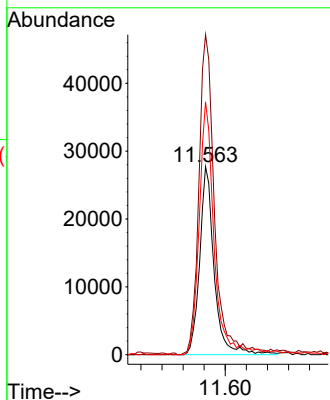
Tgt Ion:113 Resp: 52864
Ion Ratio Lower Upper
113 100
55 170.0 157.2 197.2
56 134.3 111.7 151.7

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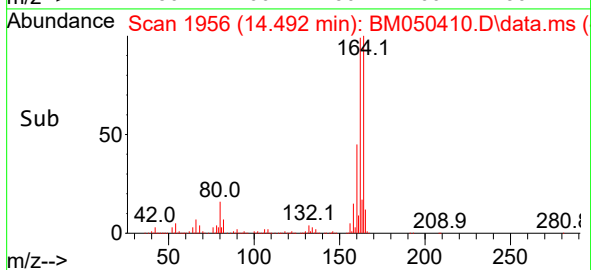
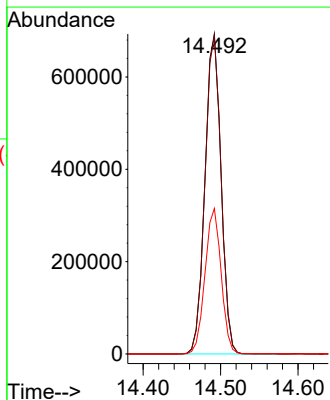
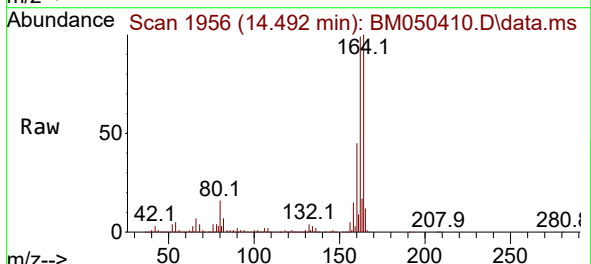
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Upadhyay

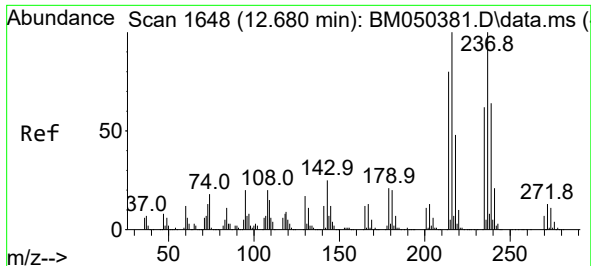
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

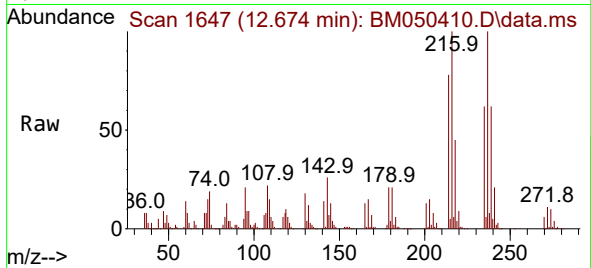
Tgt Ion:164 Resp: 997585
Ion Ratio Lower Upper
164 100
162 99.4 79.9 119.9
160 45.4 36.2 54.4





#41
Hexachlorocyclopentadiene
Concen: 7.510 ng
RT: 12.674 min Scan# 1647
Delta R.T. -0.006 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
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ClientSampleId :
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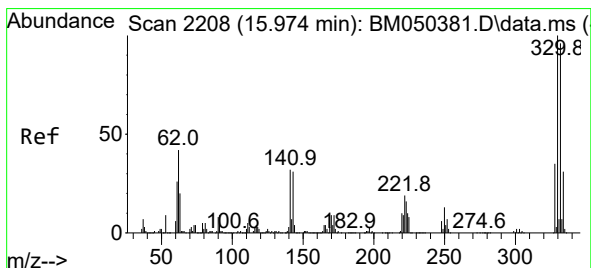
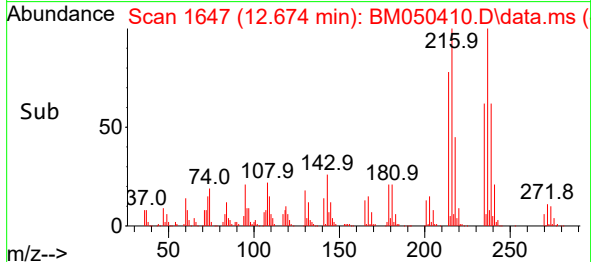
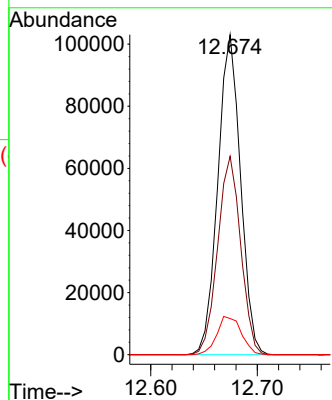
Tgt Ion:237 Resp: 152285
Ion Ratio Lower Upper
237 100
235 62.0 42.3 82.3
272 11.3 0.0 33.0

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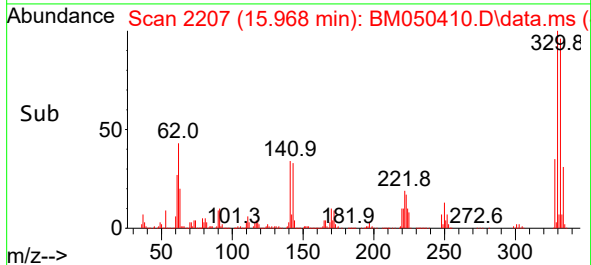
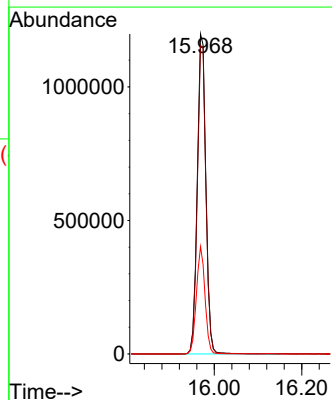
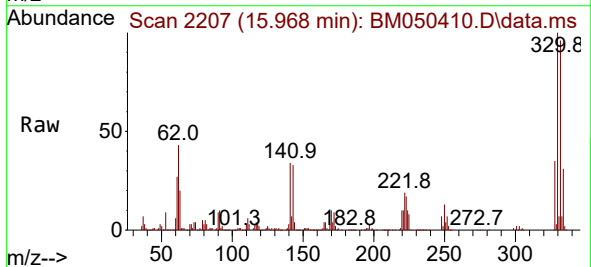
07/14/2025
Supervised By :Jagrut
Upadhyay

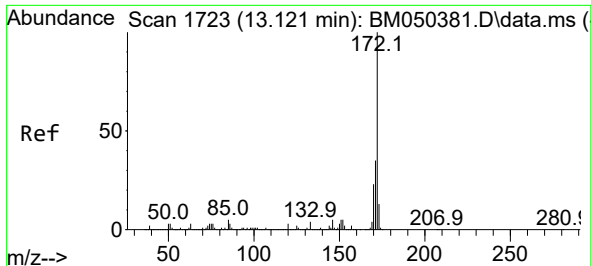
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#42
2,4,6-Tribromophenol
Concen: 135.274 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

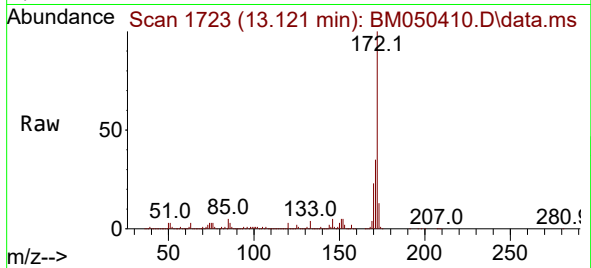
Tgt Ion:330 Resp: 1639619
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 33.6 27.4 41.0





#45
2-Fluorobiphenyl
Concen: 80.462 ng
RT: 13.121 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



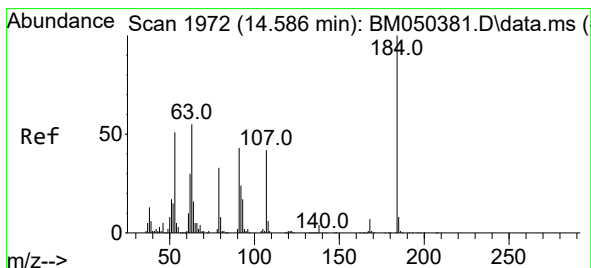
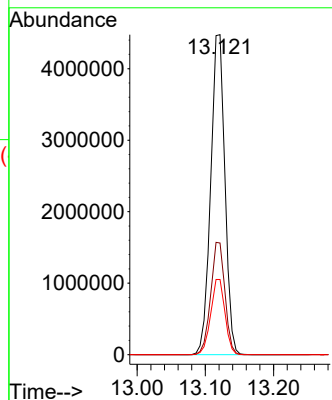
Tgt Ion:172 Resp: 6499758
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 23.5 18.8 28.2

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Reviewed By :Rahul
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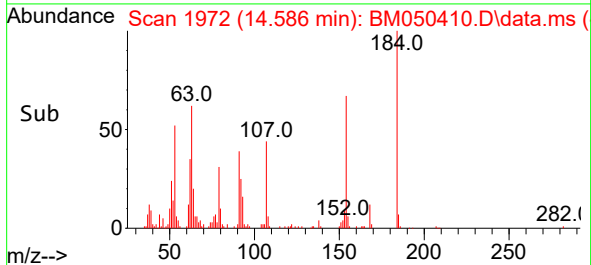
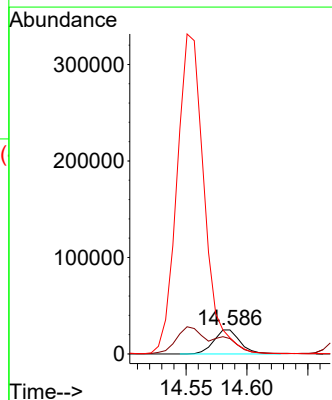
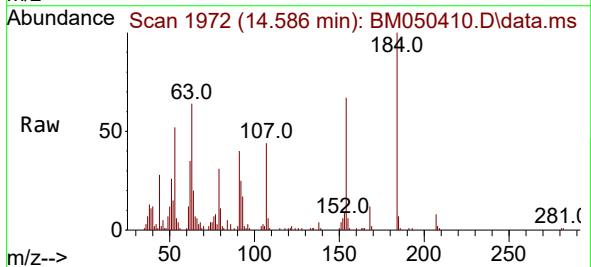
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Supervised By :Jagrut
Upadhyay

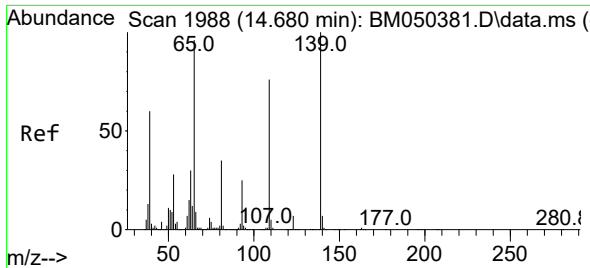
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#54
2,4-Dinitrophenol
Concen: 11.163 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

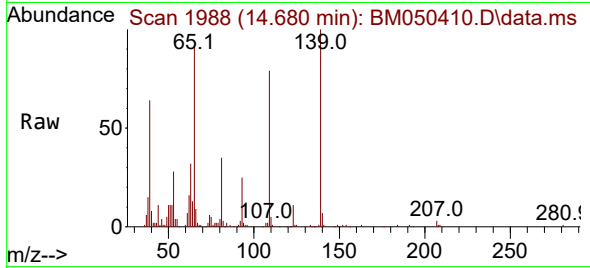
Tgt Ion:184 Resp: 37617
Ion Ratio Lower Upper
184 100
63 64.0 53.4 80.0
154 67.3 61.6 92.4





#56
4-Nitrophenol
Concen: 7.720 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



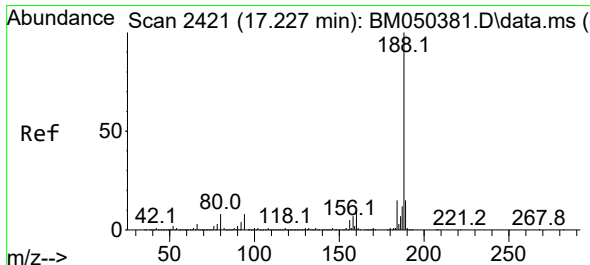
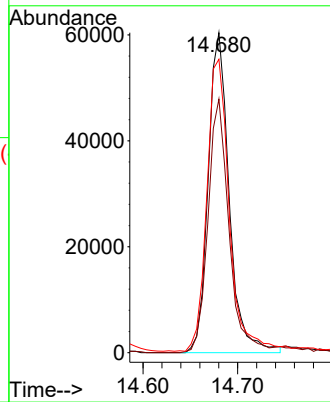
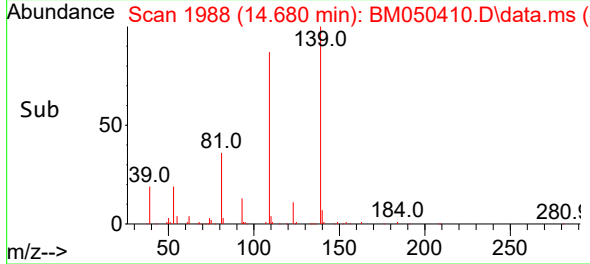
Tgt Ion:139 Resp: 9310
Ion Ratio Lower Upper
139 100
109 79.2 56.5 96.5
65 91.7 76.4 116.4

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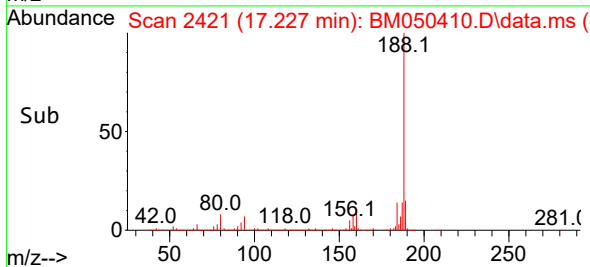
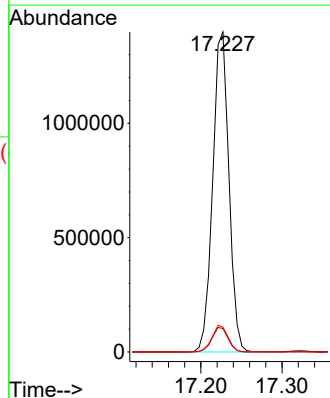
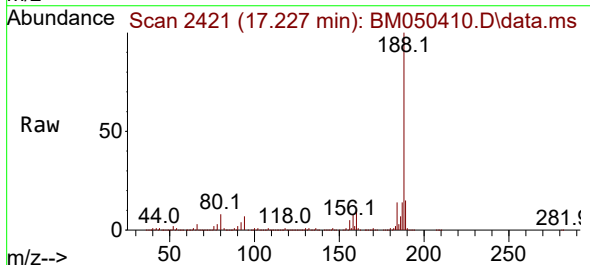
07/14/2025
Supervised By :Jagrut
Upadhyay

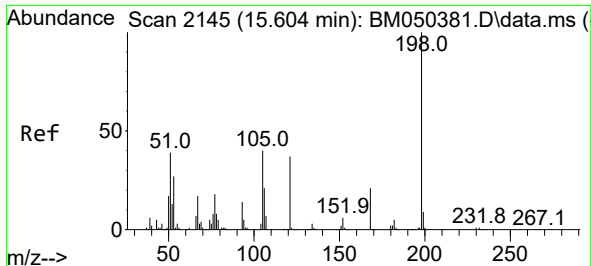
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

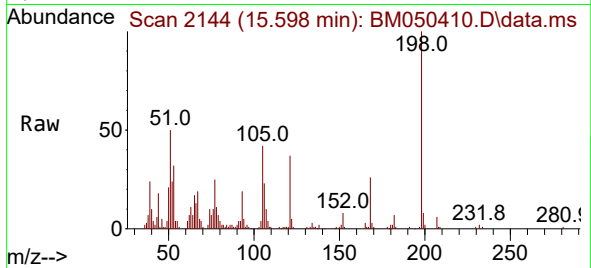
Tgt Ion:188 Resp: 1933677
Ion Ratio Lower Upper
188 100
94 7.4 6.0 9.0
80 7.8 6.5 9.7





#65
4,6-Dinitro-2-methylphenol
Concen: 11.330 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



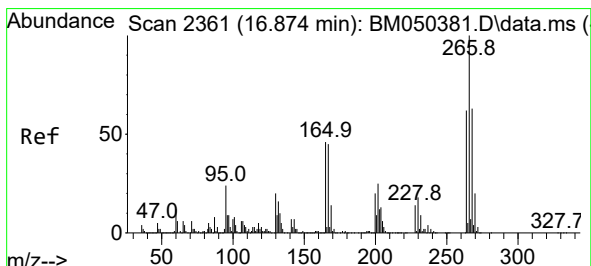
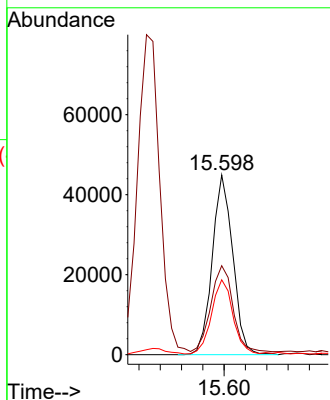
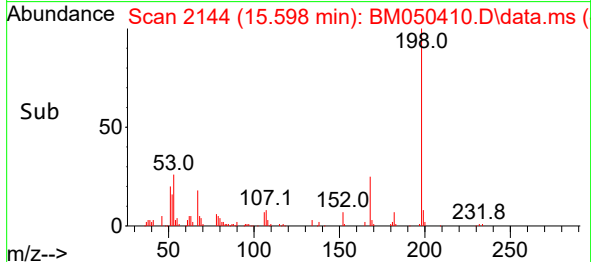
Tgt Ion:198 Resp: 60172
Ion Ratio Lower Upper
198 100
51 49.5 26.6 66.6
105 41.7 20.9 60.9

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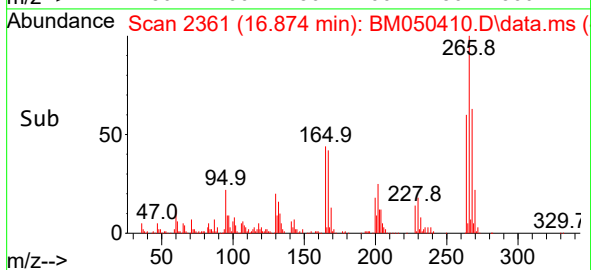
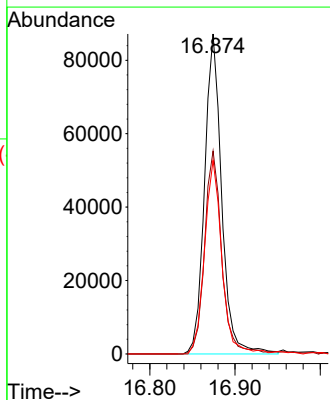
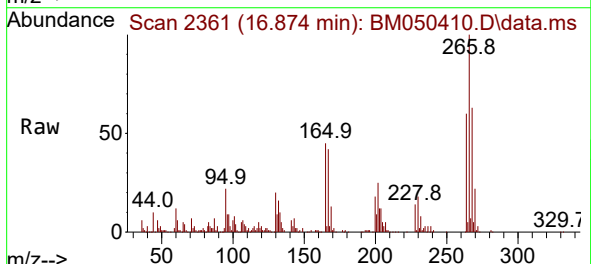
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Supervised By :Jagrut
Upadhyay

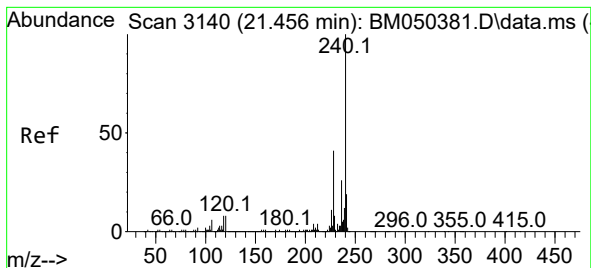
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#70
Pentachlorophenol
Concen: 7.757 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Tgt Ion:266 Resp: 121501
Ion Ratio Lower Upper
266 100
268 63.4 50.5 75.7
264 60.5 49.9 74.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 3140

Delta R.T. -0.006 min

Lab File: BM050410.D

Acq: 11 Jul 2025 13:02

Instrument :

BNA_M

ClientSampleId :

LOQ-WATER-02-QT2-2025

Tgt Ion:240 Resp: 199827

Ion Ratio Lower Upper

240 100

120 8.8 6.7 10.1

236 26.6 20.7 31.1

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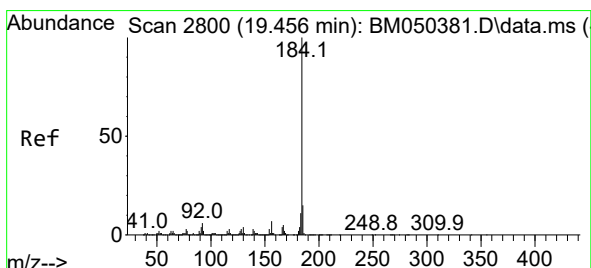
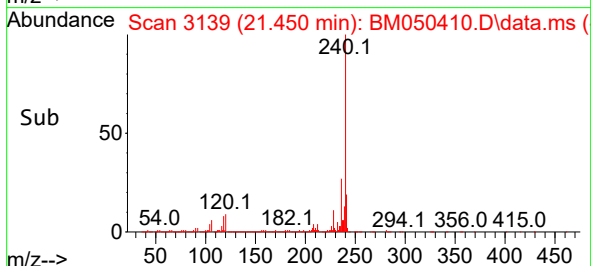
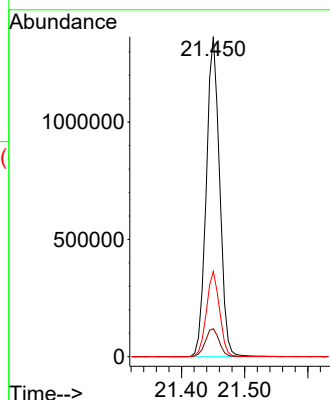
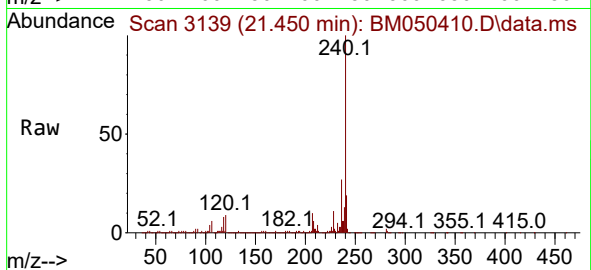
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Upadhyay

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#77

Benzidine

Concen: 9.112 ng

RT: 19.450 min Scan# 2799

Delta R.T. -0.006 min

Lab File: BM050410.D

Acq: 11 Jul 2025 13:02

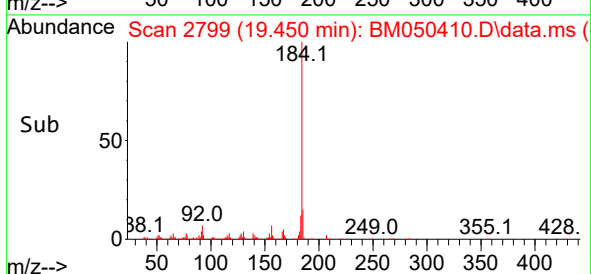
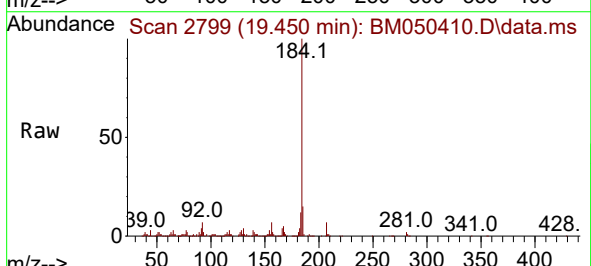
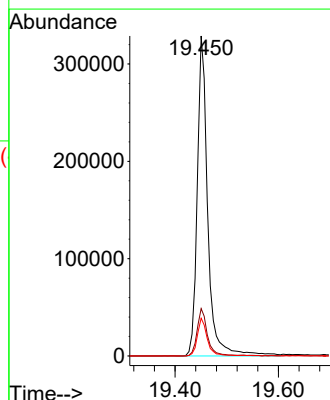
Tgt Ion:184 Resp: 464445

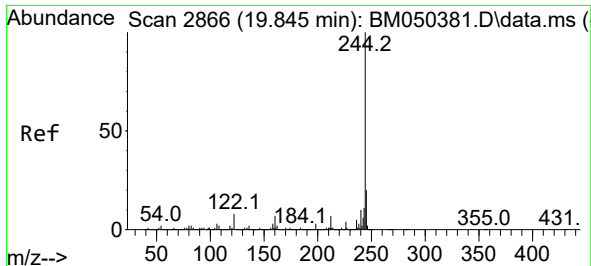
Ion Ratio Lower Upper

184 100

185 14.8 11.7 17.5

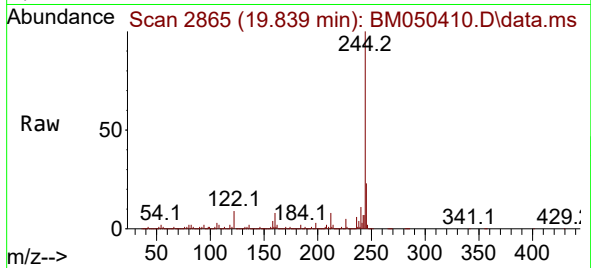
183 11.8 9.0 13.6





#79
 Terphenyl-d14
 Concen: 94.385 ng
 RT: 19.839 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050410.D
 Acq: 11 Jul 2025 13:02

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-WATER-02-QT2-2025



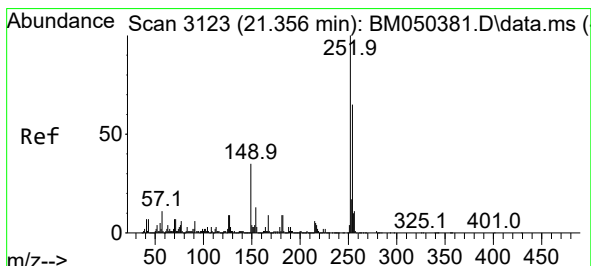
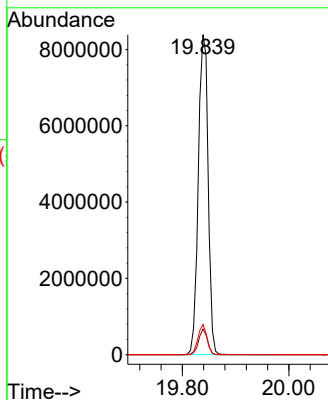
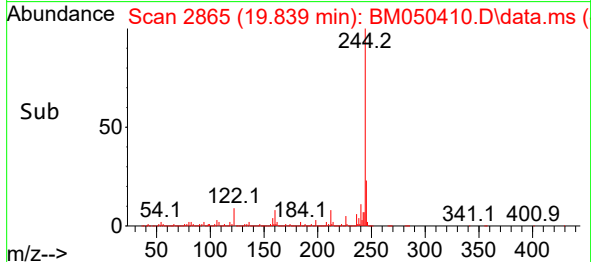
Tgt Ion:244 Resp:1071965
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 9.5 6.2 9.2

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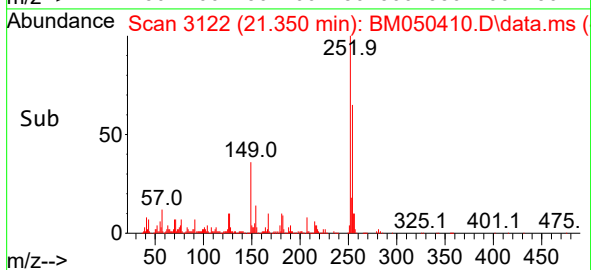
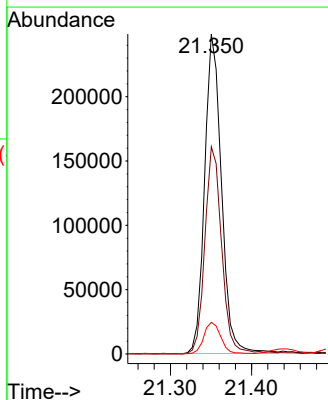
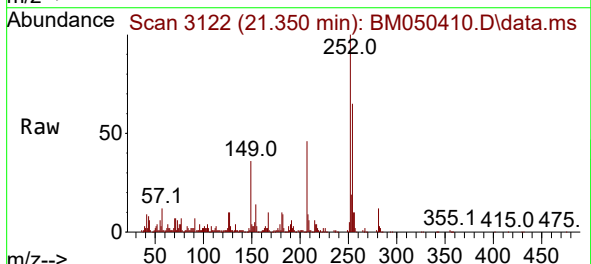
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 Upadhyay

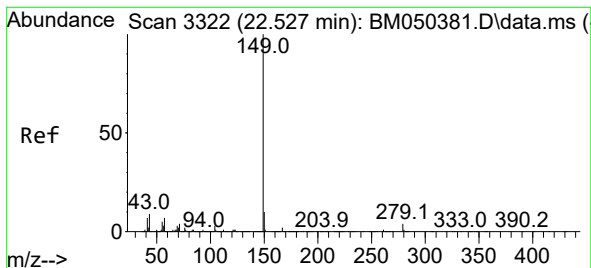
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#82
 3,3'-Dichlorobenzidine
 Concen: 8.147 ng
 RT: 21.350 min Scan# 3122
 Delta R.T. -0.006 min
 Lab File: BM050410.D
 Acq: 11 Jul 2025 13:02

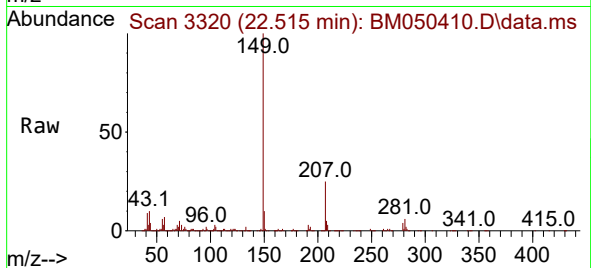
Tgt Ion:252 Resp: 357722
 Ion Ratio Lower Upper
 252 100
 254 64.7 51.7 77.5
 126 9.9 7.3 10.9





#85
Di-n-octyl phthalate
Concen: 7.602 ng
RT: 22.515 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT2-2025



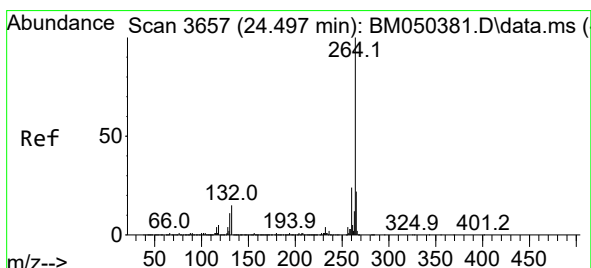
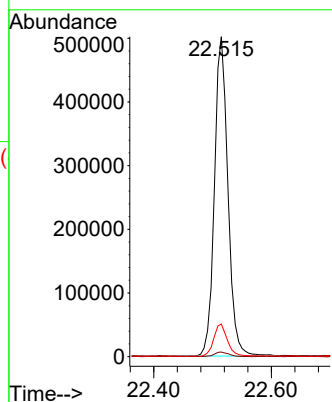
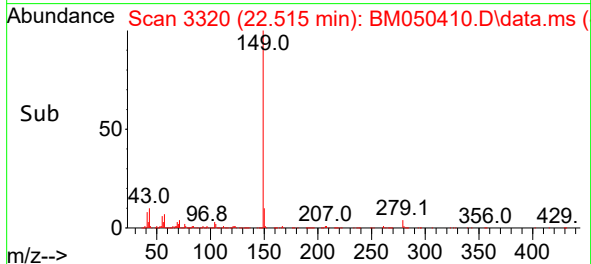
Tgt Ion:149 Resp: 797602
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.4 7.7 11.5

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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.485 min Scan# 3655
Delta R.T. -0.012 min
Lab File: BM050410.D
Acq: 11 Jul 2025 13:02

Tgt Ion:264 Resp: 2028179
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.9 17.8 26.6

