

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091225\
 Data File : BP025740.D
 Acq On : 12 Sep 2025 12:27
 Operator : CG/JU
 Sample : Q2893-08
 Misc : LOQ-WATER 10 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Quant Time: Sep 12 12:48:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.760	152	148676	20.000	ng	0.00
21) Naphthalene-d8	10.525	136	613822	20.000	ng	0.00
39) Acenaphthene-d10	14.378	164	421963	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	881813	20.000	ng	-0.01
76) Chrysene-d12	21.618	240	1001742	20.000	ng	-0.02
86) Perylene-d12	24.983	264	1037246	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	1020856	110.791	ng	0.00
7) Phenol-d6	6.949	99	1406962	114.879	ng	0.00
23) Nitrobenzene-d5	8.902	82	1039266	74.685	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	603988	114.758	ng	-0.01
45) 2-Fluorobiphenyl	12.990	172	2350856	74.181	ng	0.00
79) Terphenyl-d14	19.895	244	4047763	72.692	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.619	42	44359	8.828	ng	98
9) Benzaldehyde	6.913	77	87397m	11.906	ng	
15) Benzyl Alcohol	8.002	79	84798	8.379	ng	97
20) 3+4-Methylphenols	8.537	107	99570	8.166	ng	99
32) Benzoic acid	9.831	122	51276m	7.093	ng	
35) Caprolactam	11.472	113	29693	7.945	ng	96
41) Hexachlorocyclopentadiene	12.531	237	38022	5.460	ng	99
54) 2,4-Dinitrophenol	14.513	184	23986	9.904	ng	92
56) 4-Nitrophenol	14.654	139	31058m	9.226	ng	
65) 4,6-Dinitro-2-methylph...	15.531	198	41818	7.131	ng	94
70) Pentachlorophenol	16.836	266	55482	7.781	ng	96
77) Benzidine	19.501	184	248717	8.619	ng	99
82) 3,3'-Dichlorobenzidine	21.519	252	208131	8.777	ng	99
85) Di-n-octyl phthalate	22.807	149	616641	8.085	ng	99

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

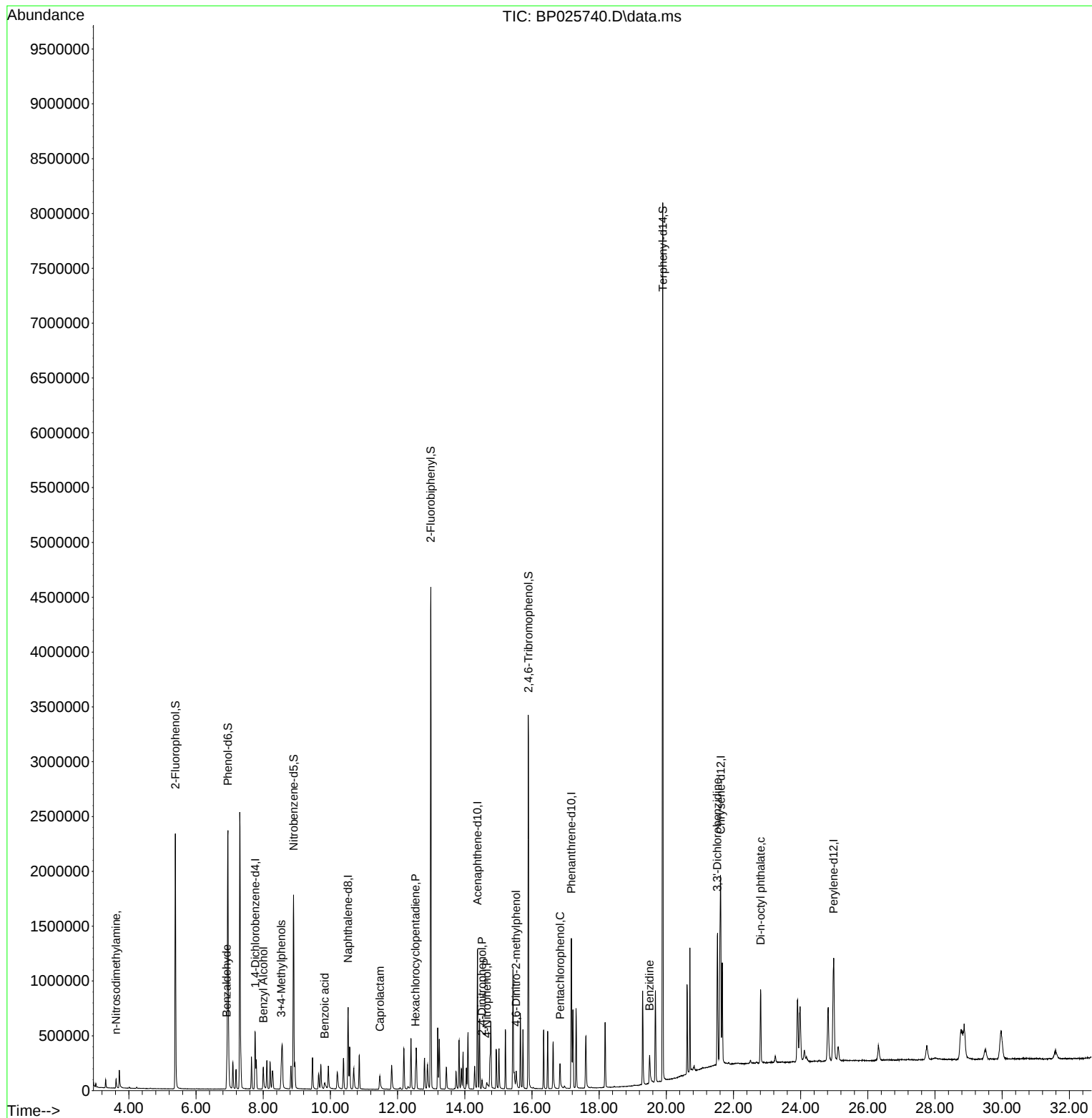
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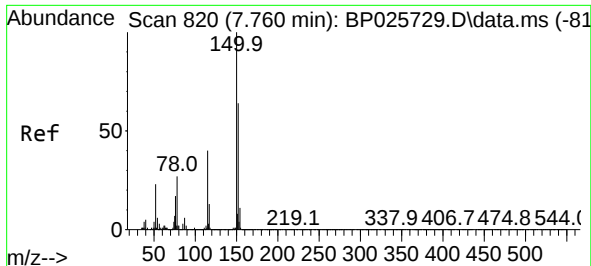
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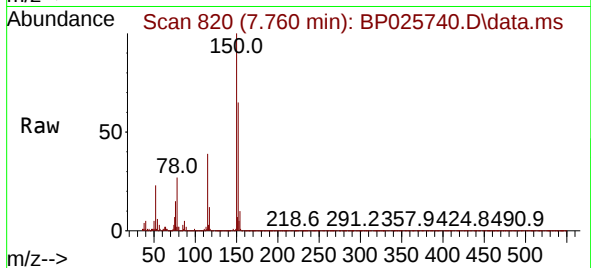
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.760 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

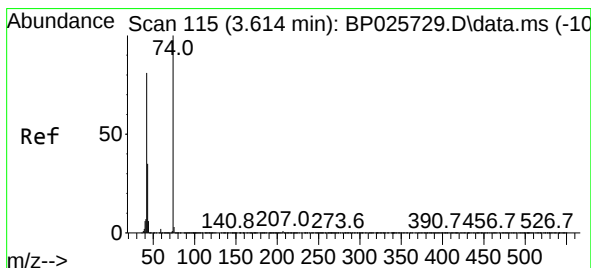
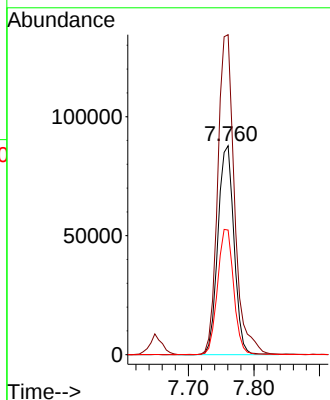
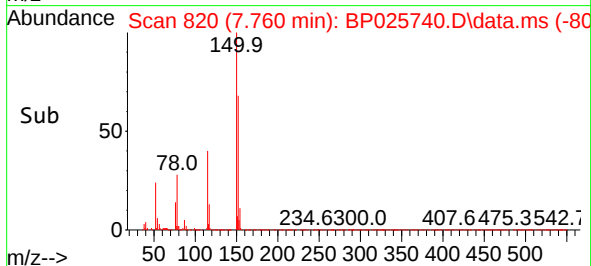
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BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025



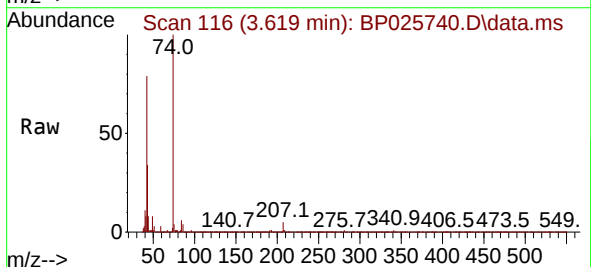
Tgt Ion:152 Resp: 148670
Ion Ratio Lower Upper
152 100
150 153.2 124.3 186.5
115 59.6 50.3 75.5

Manual Integrations
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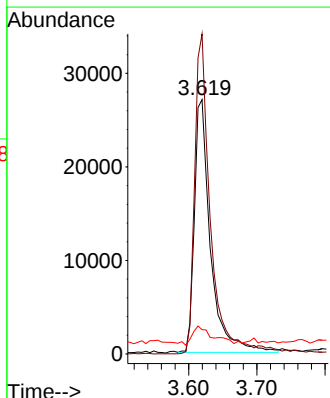
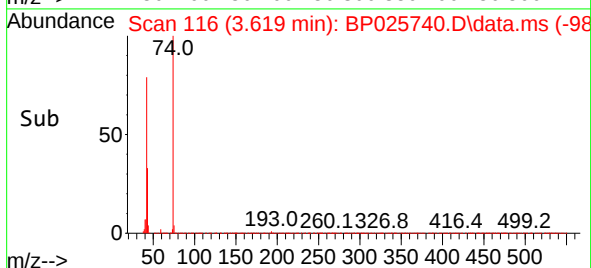
Reviewed By :Rahul Chavli 09/15/2025
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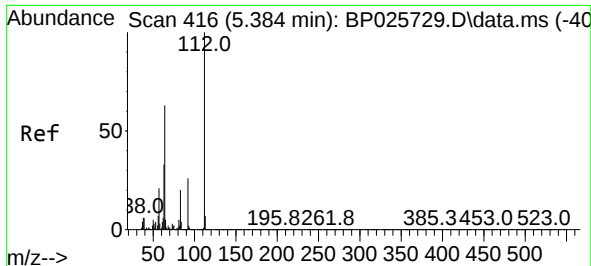


#4
n-Nitrosodimethylamine
Concen: 8.828 ng
RT: 3.619 min Scan# 116
Delta R.T. 0.006 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27



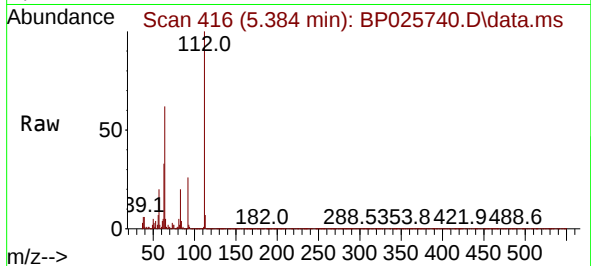
Tgt Ion: 42 Resp: 44359
Ion Ratio Lower Upper
42 100
74 125.8 99.2 148.8
44 9.5 6.4 9.6





#5
2-Fluorophenol
Concen: 110.791 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

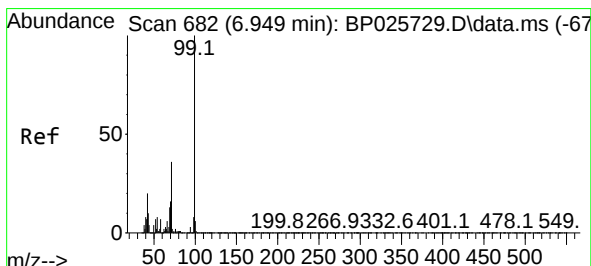
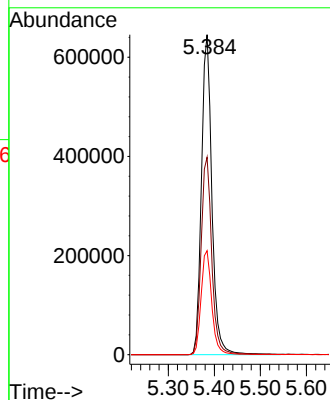
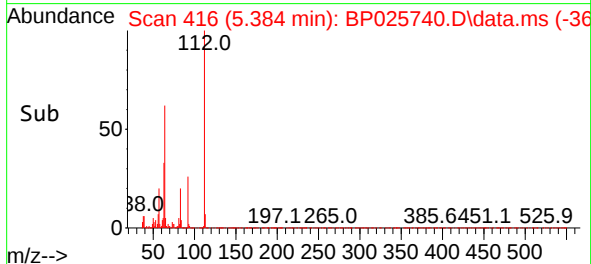
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025



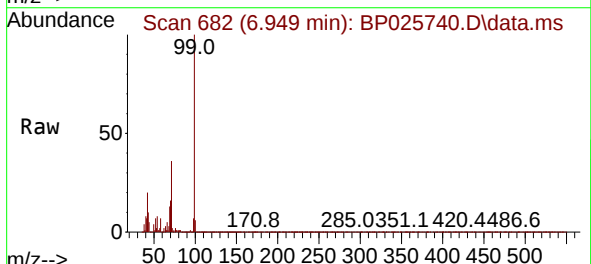
Tgt Ion:112 Resp: 1020850
Ion Ratio Lower Upper
112 100
64 61.7 50.2 75.4
63 32.5 26.7 40.1

Manual Integrations
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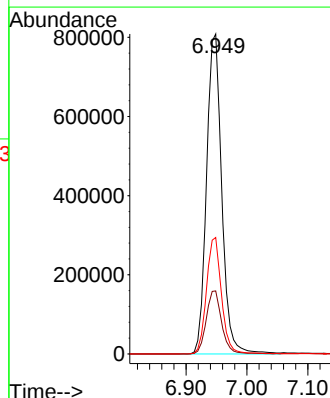
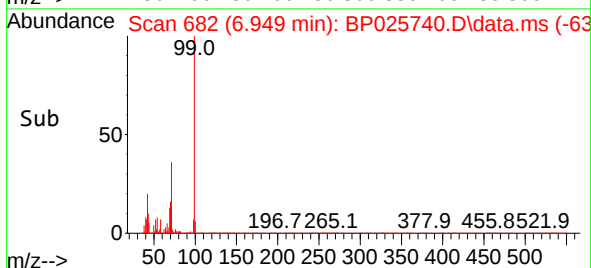
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

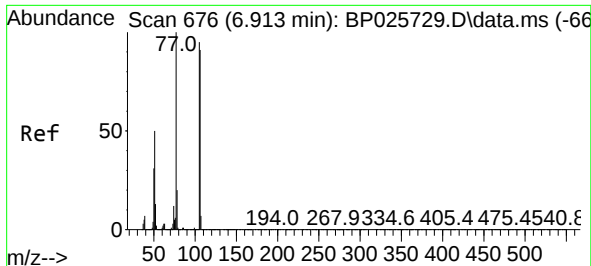


#7
Phenol-d6
Concen: 114.879 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27



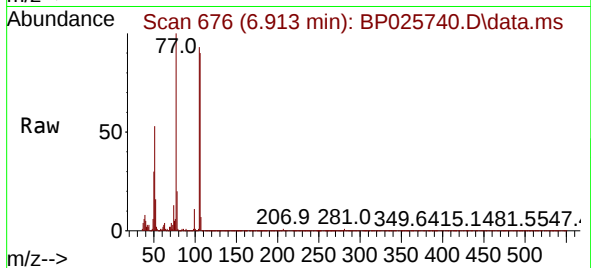
Tgt Ion: 99 Resp: 1406962
Ion Ratio Lower Upper
99 100
42 19.7 15.6 23.4
71 36.4 28.6 43.0





#9
Benzaldehyde
Concen: 11.906 ng m
RT: 6.913 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

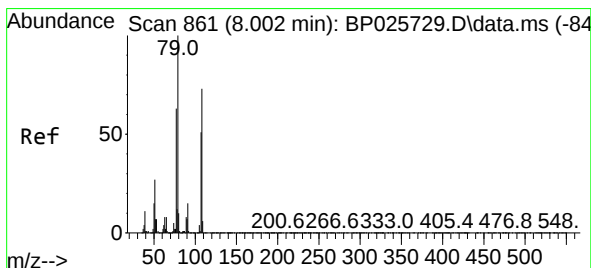
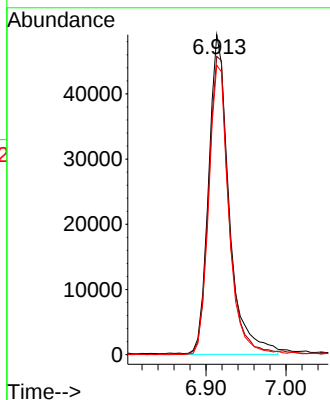
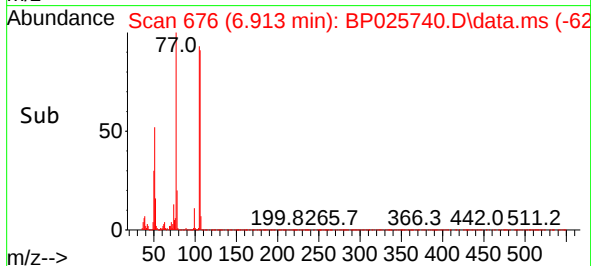
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion: 77 Resp: 8739
Ion Ratio Lower Upper
77 100
105 93.2 75.2 115.2
106 90.5 71.3 111.3

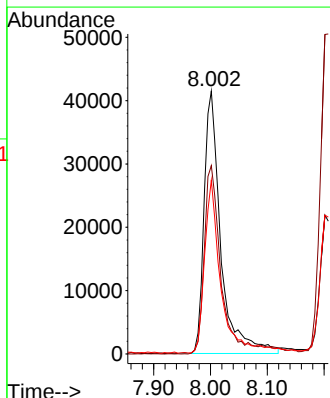
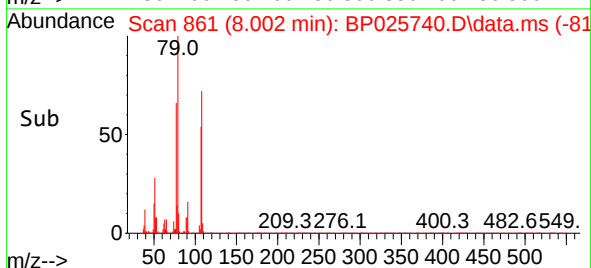
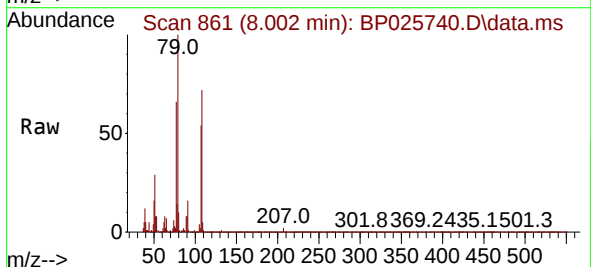
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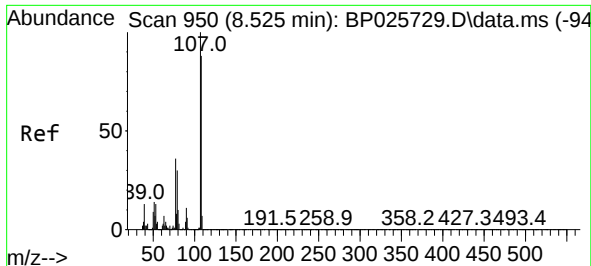
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#15
Benzyl Alcohol
Concen: 8.379 ng
RT: 8.002 min Scan# 861
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

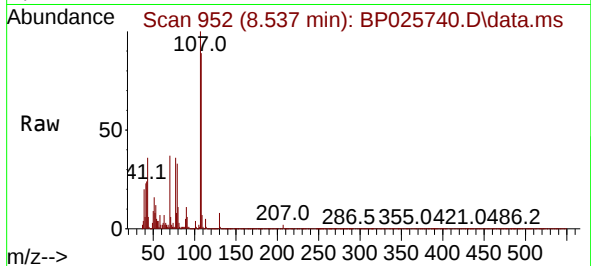
Tgt Ion: 79 Resp: 84798
Ion Ratio Lower Upper
79 100
108 71.6 58.7 88.1
77 66.1 50.2 75.2





#20
3+4-Methylphenols
Concen: 8.166 ng
RT: 8.537 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

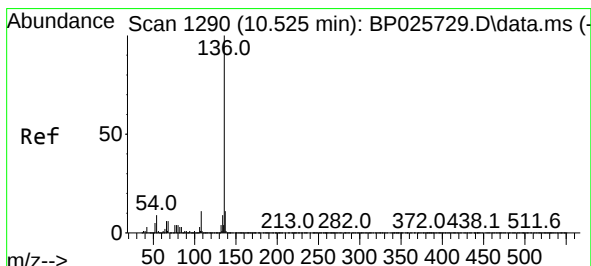
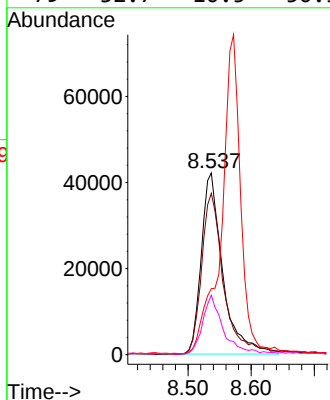
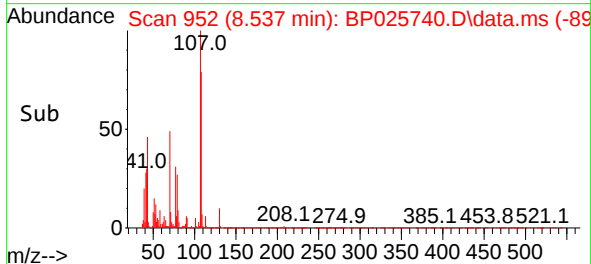
Instrument :
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LOQ-WATER-02-QT3-2025



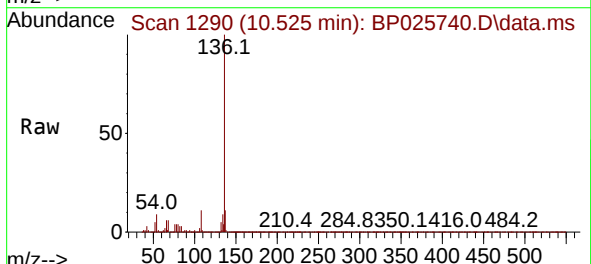
Tgt Ion:107 Resp: 99570
Ion Ratio Lower Upper
107 100
108 88.7 67.8 107.8
77 36.3 16.1 56.1
79 32.7 10.5 50.5

Manual Integrations
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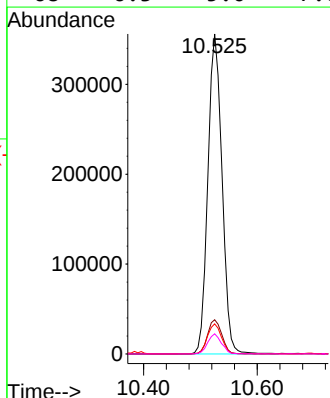
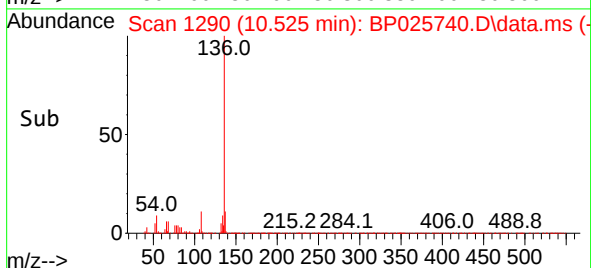
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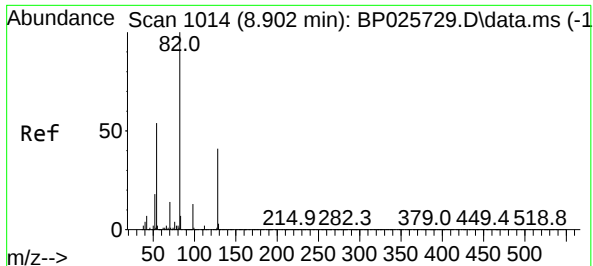


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.525 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27



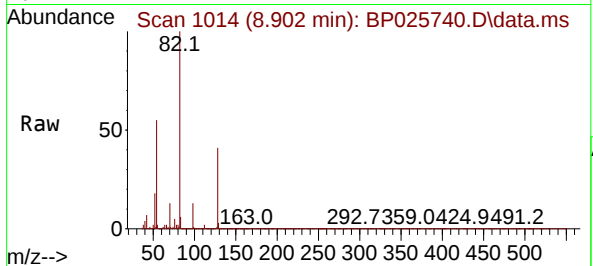
Tgt Ion:136 Resp: 613822
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 9.4 7.5 11.3
68 6.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 74.685 ng
RT: 8.902 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

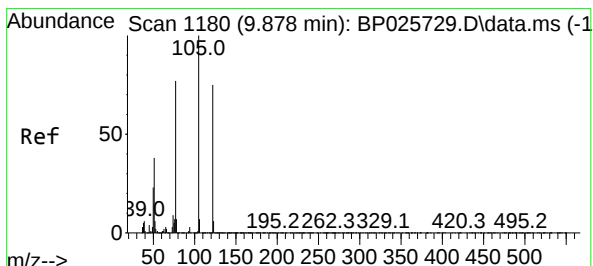
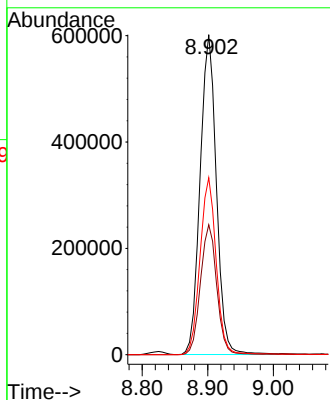
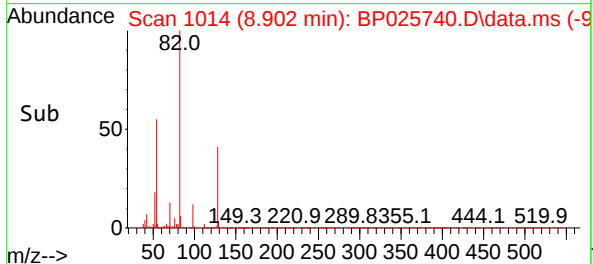
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LOQ-WATER-02-QT3-2025



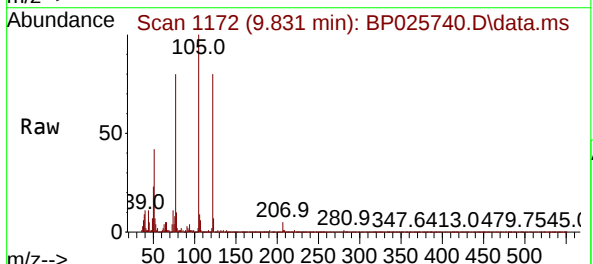
Tgt Ion: 82 Resp: 103926
Ion Ratio Lower Upper
82 100
128 40.6 32.9 49.3
54 55.3 43.4 65.2

Manual Integrations
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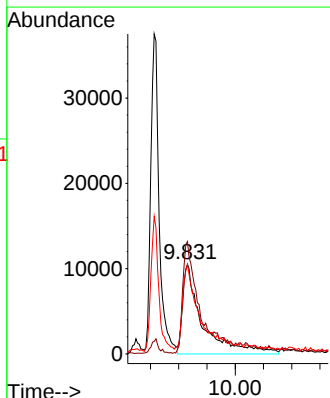
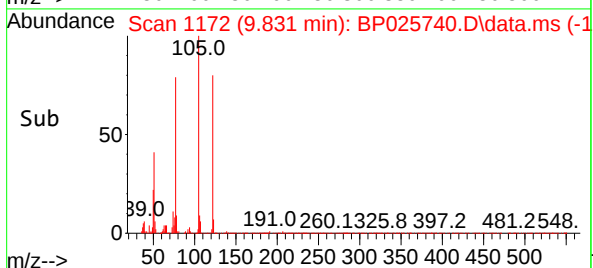
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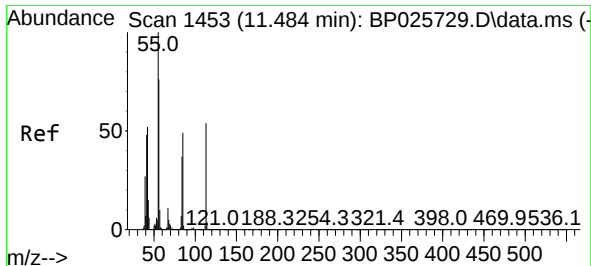


#32
Benzoic acid
Concen: 7.093 ng m
RT: 9.831 min Scan# 1172
Delta R.T. -0.047 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27



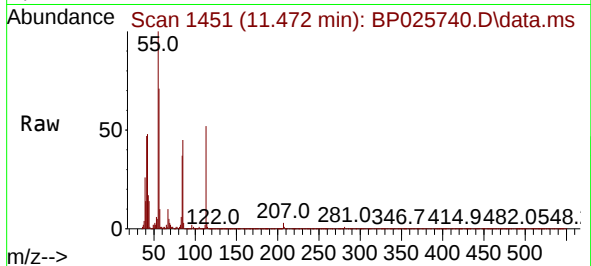
Tgt Ion:122 Resp: 51276
Ion Ratio Lower Upper
122 100
105 125.4 111.5 151.5
77 99.7 81.8 121.8





#35
Caprolactam
Concen: 7.945 ng
RT: 11.472 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

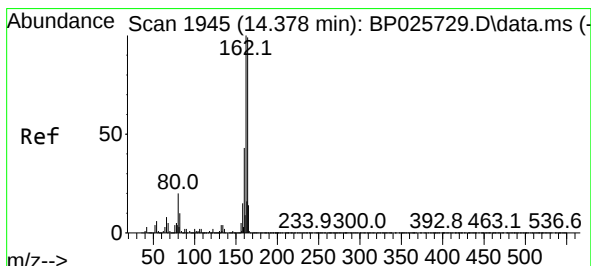
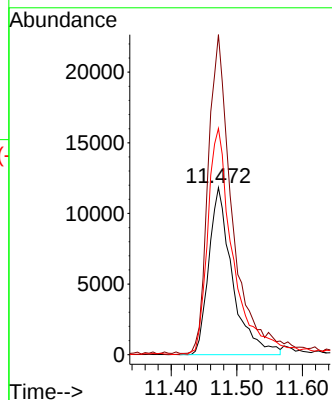
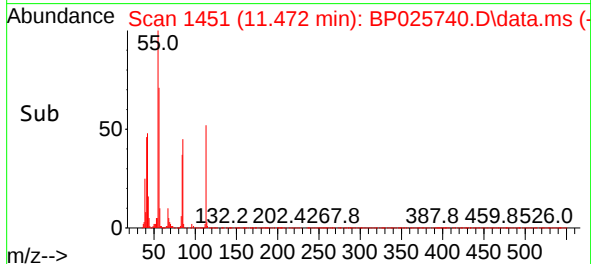
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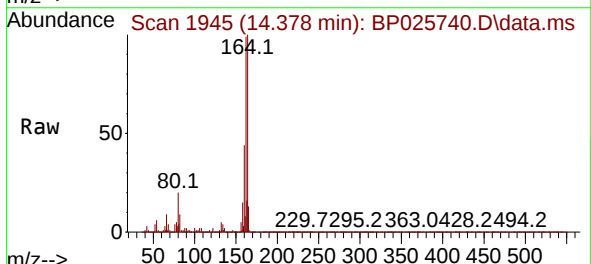
Tgt Ion:113 Resp: 2969
Ion Ratio Lower Upper
113 100
55 191.6 165.5 205.5
56 135.5 121.1 161.1

Manual Integrations
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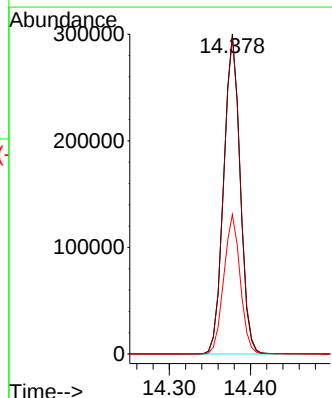
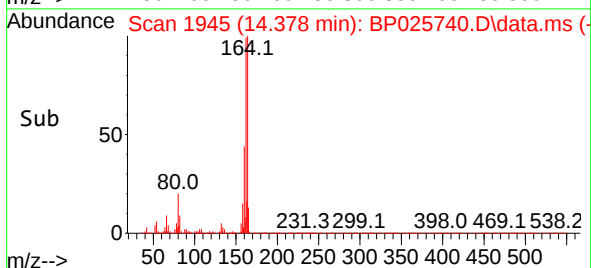
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

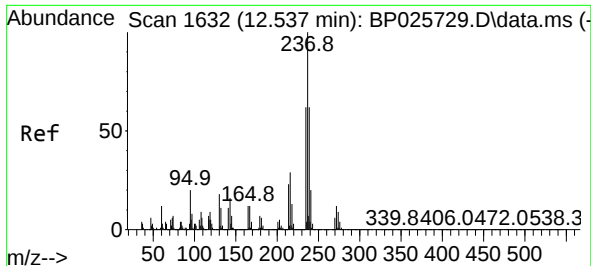


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27



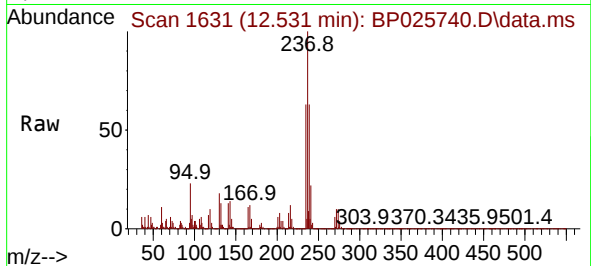
Tgt Ion:164 Resp: 421963
Ion Ratio Lower Upper
164 100
162 98.9 80.6 120.8
160 43.5 35.0 52.6





#41
Hexachlorocyclopentadiene
Concen: 5.460 ng
RT: 12.531 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

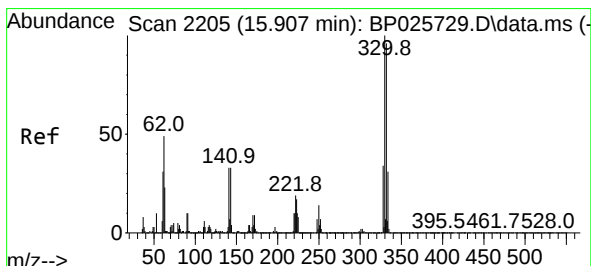
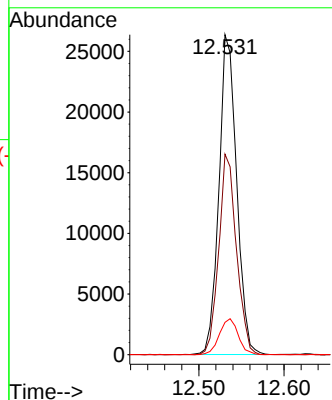
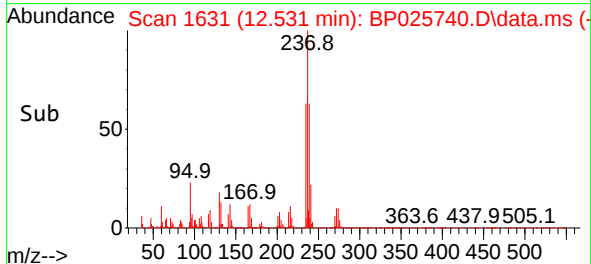
Instrument :
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Tgt Ion: 237 Resp: 3802
Ion Ratio Lower Upper
237 100
235 62.6 41.9 81.9
272 10.1 0.0 31.8

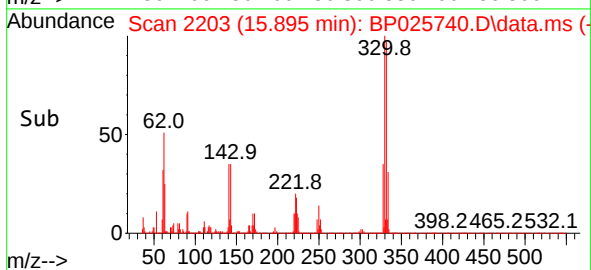
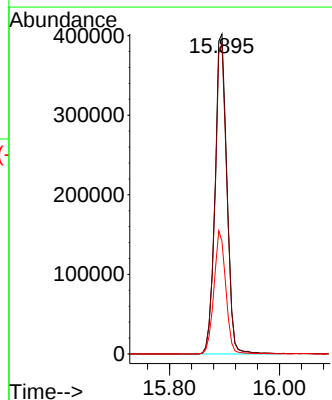
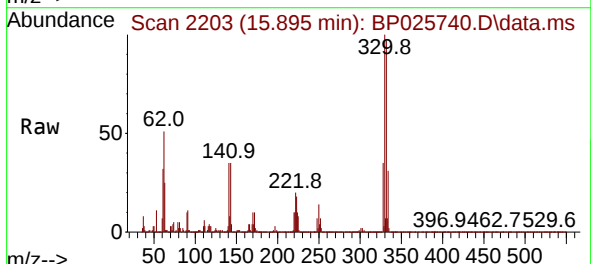
Manual Integrations
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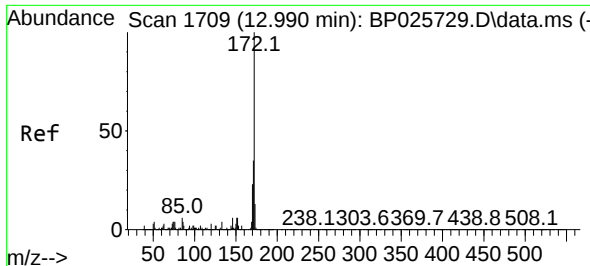
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#42
2,4,6-Tribromophenol
Concen: 114.758 ng
RT: 15.895 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

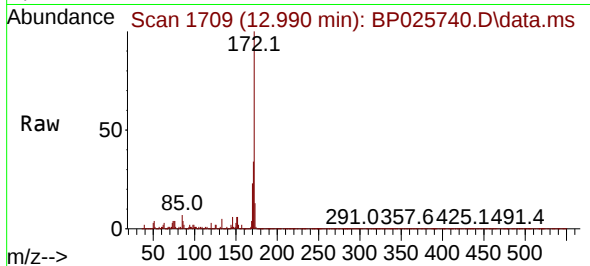
Tgt Ion: 330 Resp: 603988
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 38.3 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 74.181 ng
RT: 12.990 min Scan# 1709
Delta R.T. -0.000 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

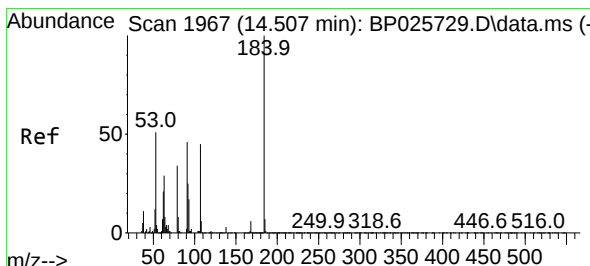
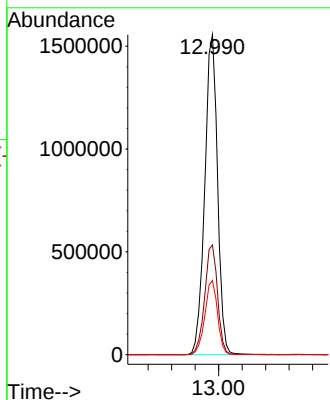
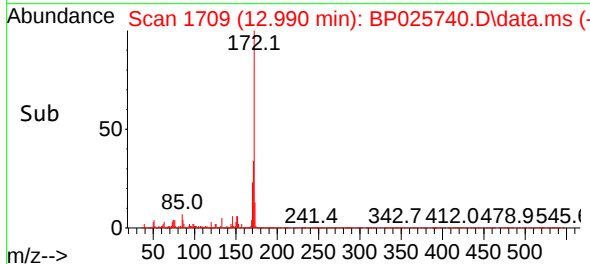
Instrument : BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025



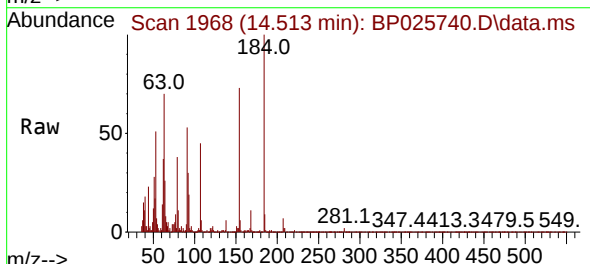
Tgt Ion:172 Resp: 2350850
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.2 18.6 27.8

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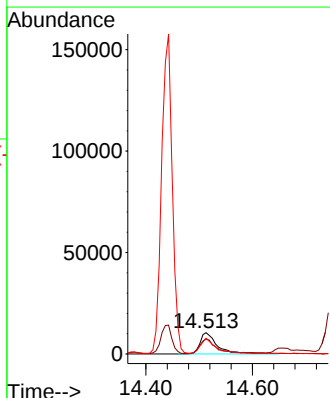
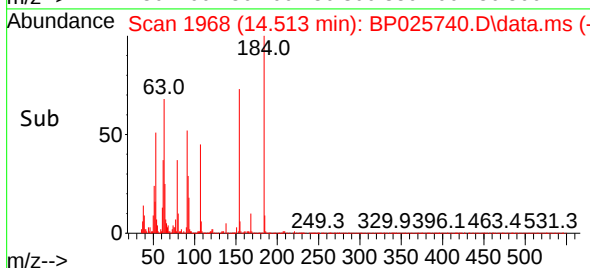
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

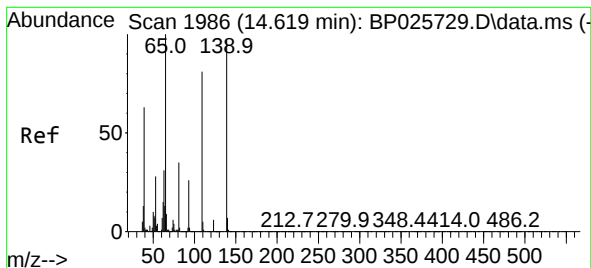


#54
2,4-Dinitrophenol
Concen: 9.904 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27



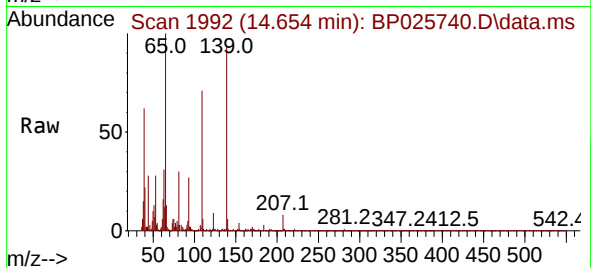
Tgt Ion:184 Resp: 23986
Ion Ratio Lower Upper
184 100
63 69.8 52.5 78.7
154 73.4 51.5 77.3





#56
4-Nitrophenol
Concen: 9.226 ng m
RT: 14.654 min Scan# 1986
Delta R.T. 0.035 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

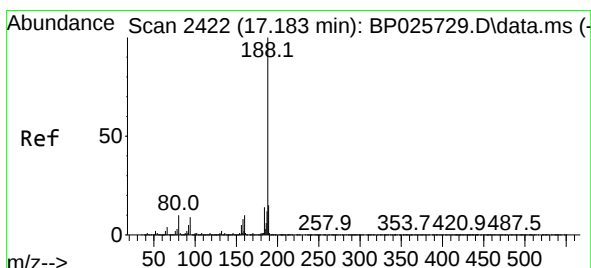
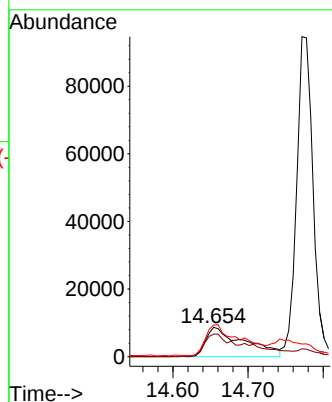
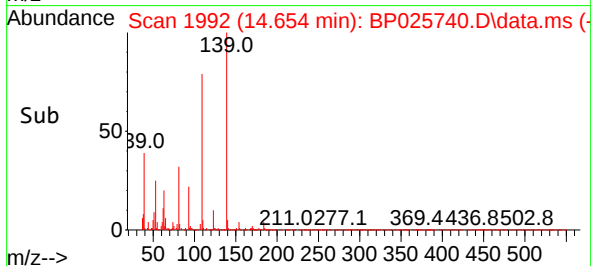
Instrument : BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025



Tgt Ion:139 Resp: 31058
Ion Ratio Lower Upper
139 100
109 77.2 62.9 102.9
65 108.1 83.4 123.4

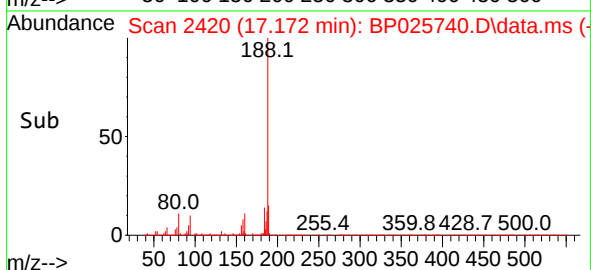
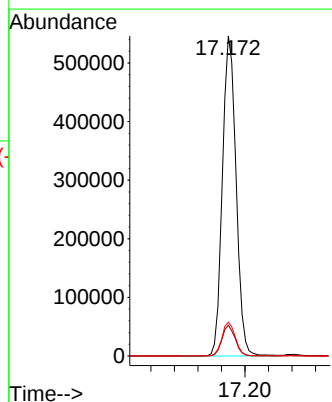
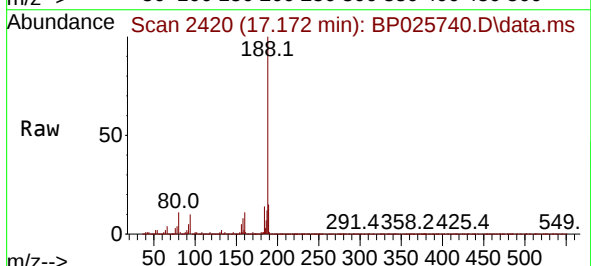
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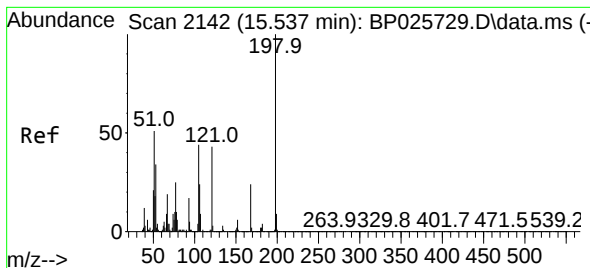
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

Tgt Ion:188 Resp: 881813
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.0
80 10.5 7.7 11.5





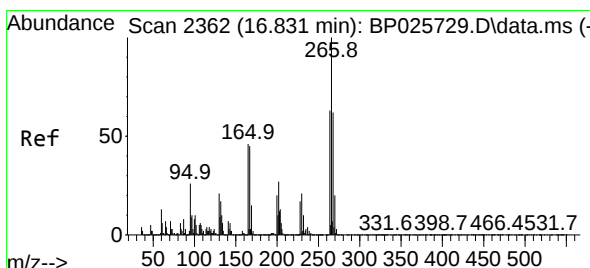
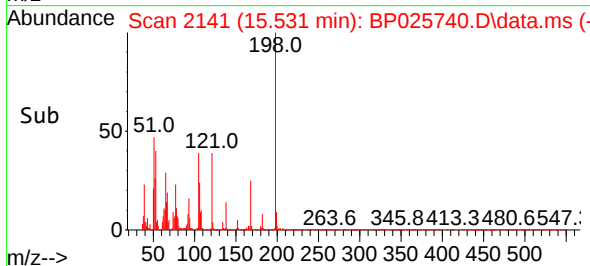
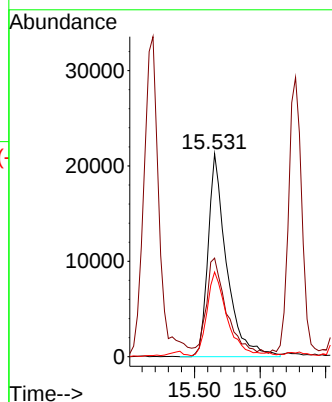
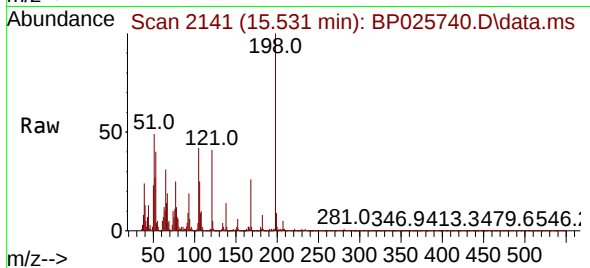
#65
4,6-Dinitro-2-methylphenol
Concen: 7.131 ng
RT: 15.531 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

Instrument : BNA_P
ClientSampleId :
LOQ-WATER-02-QT3-2025

Tgt Ion:198 Resp: 41818
Ion Ratio Lower Upper
198 100
51 48.5 33.4 73.4
105 41.7 24.3 64.3

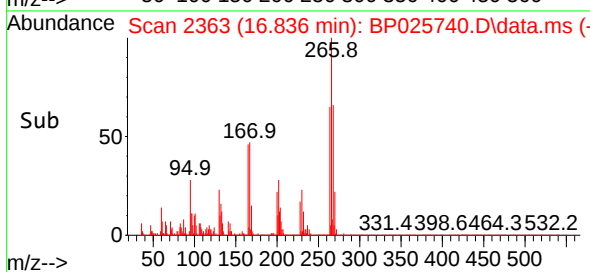
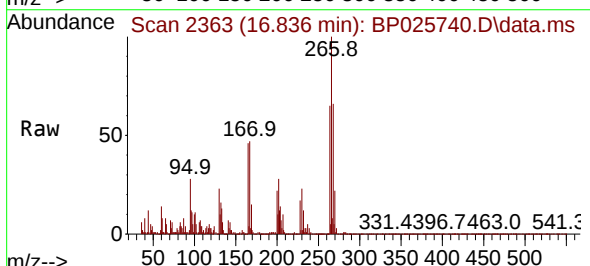
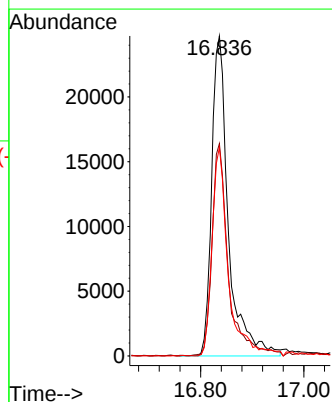
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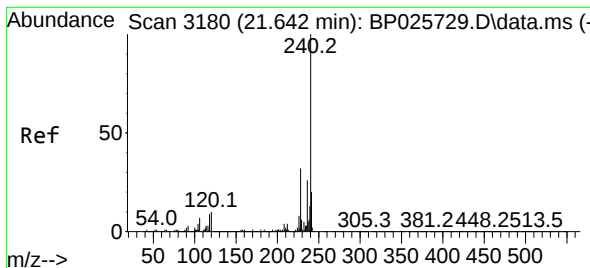
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#70
Pentachlorophenol
Concen: 7.781 ng
RT: 16.836 min Scan# 2363
Delta R.T. 0.006 min
Lab File: BP025740.D
Acq: 12 Sep 2025 12:27

Tgt Ion:266 Resp: 55482
Ion Ratio Lower Upper
266 100
268 66.3 49.8 74.8
264 65.2 50.2 75.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.618 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025740.D

Acq: 12 Sep 2025 12:27

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT3-2025

Tgt Ion:240 Resp: 100174

Ion Ratio Lower Upper

240 100

120 9.7 8.0 12.0

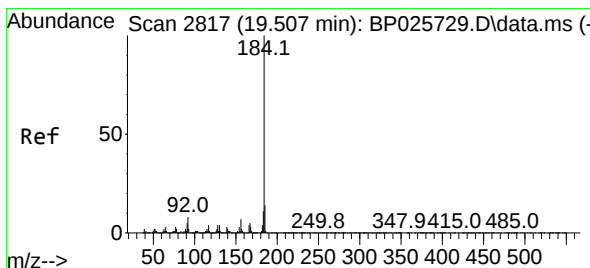
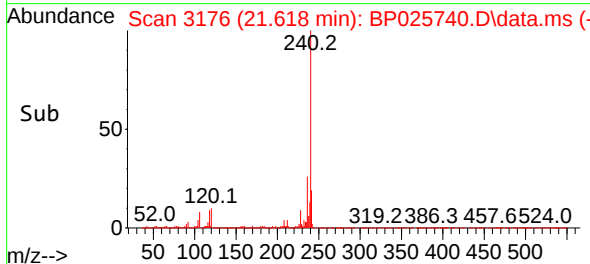
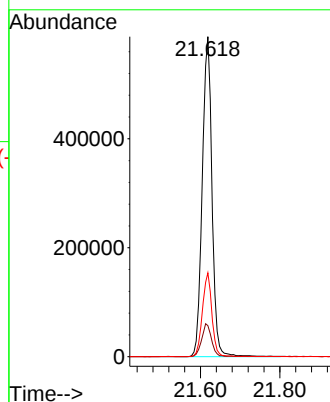
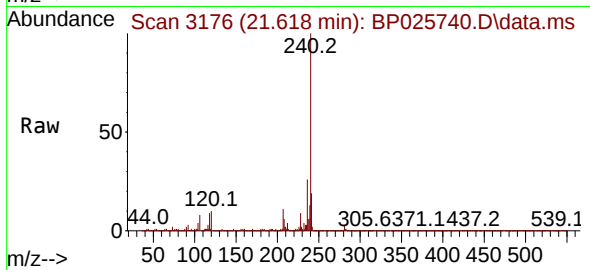
236 26.2 20.7 31.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#77

Benzidine

Concen: 8.619 ng

RT: 19.501 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP025740.D

Acq: 12 Sep 2025 12:27

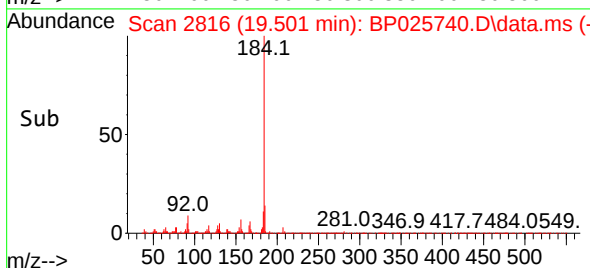
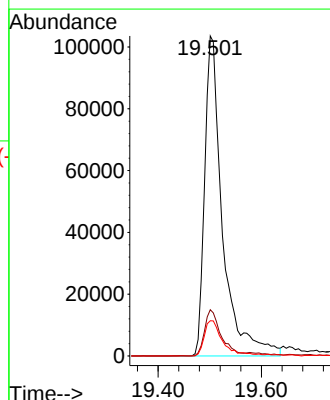
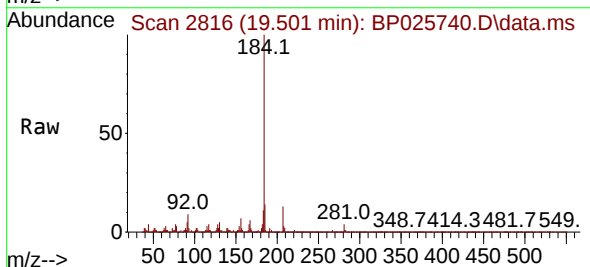
Tgt Ion:184 Resp: 248717

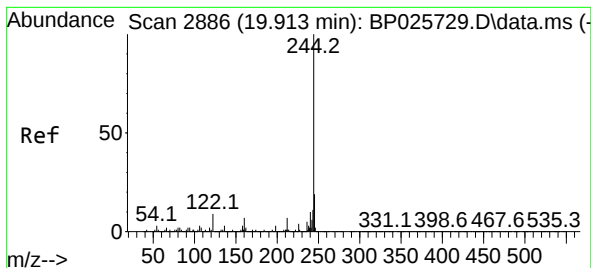
Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

183 11.0 9.2 13.8





#79

Terphenyl-d14

Concen: 72.692 ng

RT: 19.895 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025740.D

Acq: 12 Sep 2025 12:27

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT3-2025

Tgt Ion:244 Resp: 404776

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

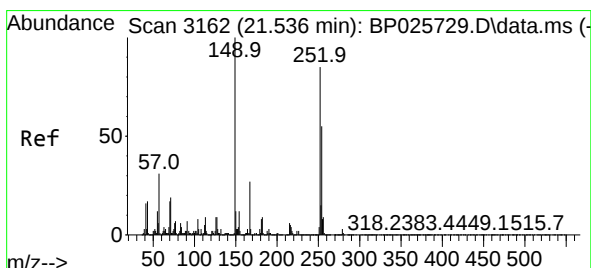
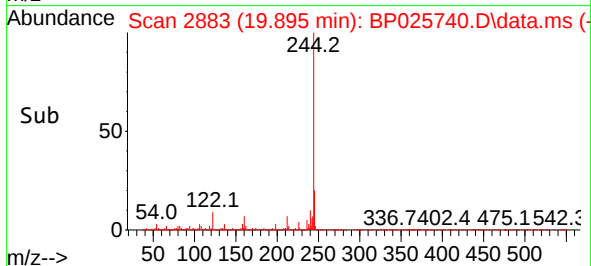
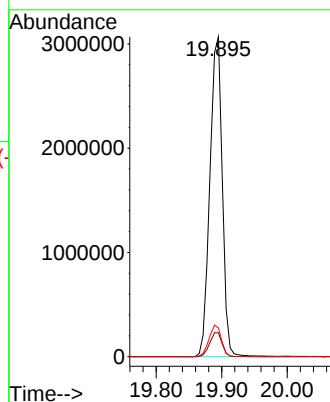
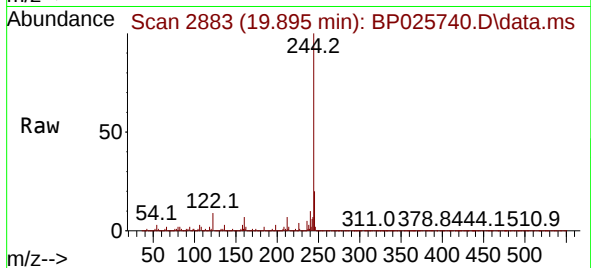
122 8.9 7.1 10.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 8.777 ng

RT: 21.519 min Scan# 3159

Delta R.T. -0.018 min

Lab File: BP025740.D

Acq: 12 Sep 2025 12:27

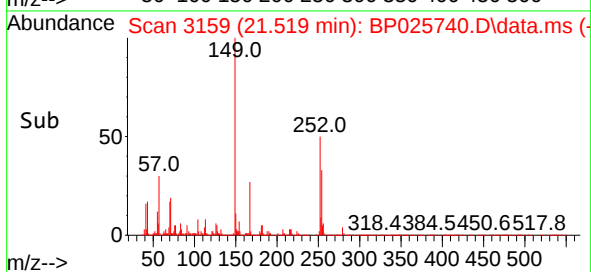
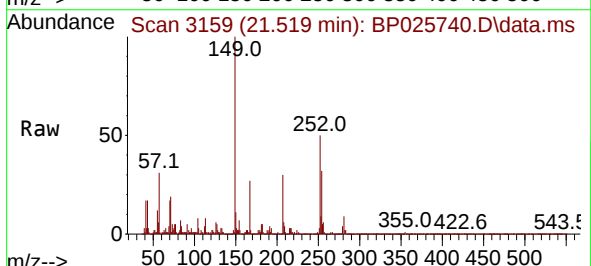
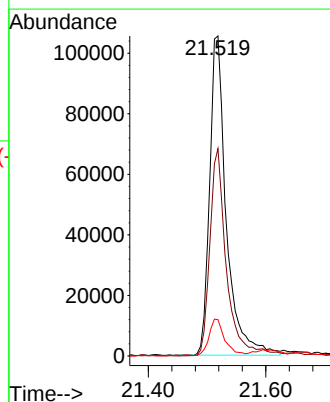
Tgt Ion:252 Resp: 208131

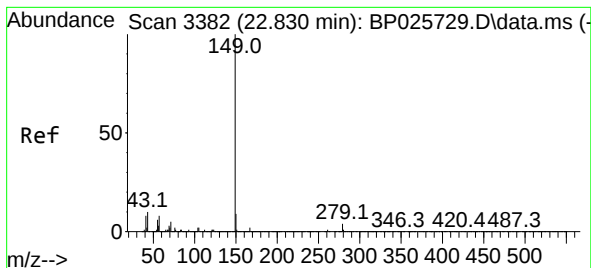
Ion Ratio Lower Upper

252 100

254 64.8 51.4 77.0

126 11.3 8.3 12.5





#85

Di-n-octyl phthalate

Concen: 8.085 ng

RT: 22.807 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025740.D

Acq: 12 Sep 2025 12:27

Instrument :

BNA_P

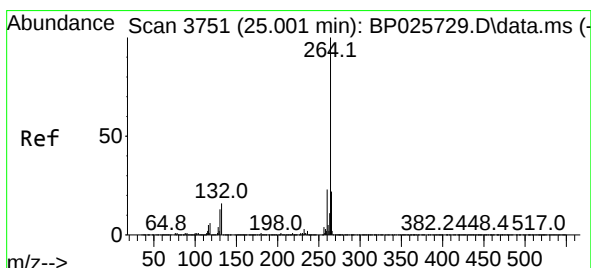
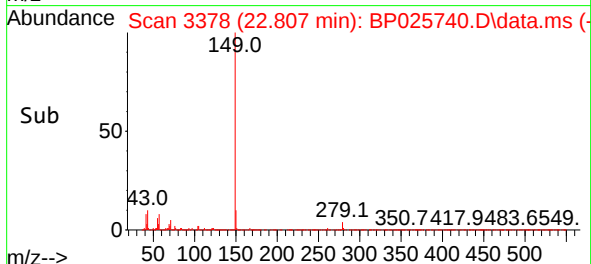
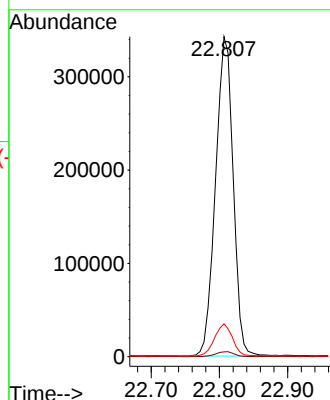
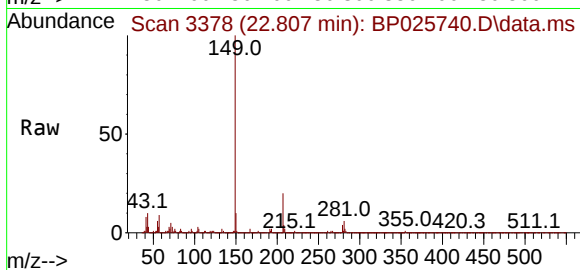
ClientSampleId :

LOQ-WATER-02-QT3-2025

Tgt Ion:149	Resp: 61664
Ion Ratio	Lower Upper
149 100	
167 1.6	1.3 1.9
43 10.2	8.0 12.0

Manual Integrations
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Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.983 min Scan# 3748

Delta R.T. -0.018 min

Lab File: BP025740.D

Acq: 12 Sep 2025 12:27

Tgt Ion:264	Resp: 1037246
Ion Ratio	Lower Upper
264 100	
260 23.9	18.3 27.5
265 21.9	17.3 25.9

