

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112025\
 Data File : BP026171.D
 Acq On : 20 Nov 2025 12:27
 Operator : RC/JU
 Sample : Q3530-08
 Misc : LOQ-WATER-10ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 20 12:47:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.666	152	275945	20.000	ng	0.00
21) Naphthalene-d8	10.431	136	1143165	20.000	ng	-0.02
39) Acenaphthene-d10	14.313	164	747957	20.000	ng	-0.01
64) Phenanthrene-d10	17.125	188	1539933	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1716371	20.000	ng	0.00
86) Perylene-d12	24.907	264	1842046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1916935	111.502	ng	0.00
7) Phenol-d6	6.843	99	2499469	114.201	ng	-0.01
23) Nitrobenzene-d5	8.802	82	1665817	82.772	ng	-0.01
42) 2,4,6-Tribromophenol	15.831	330	1119828	115.413	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4196702	82.233	ng	-0.01
79) Terphenyl-d14	19.866	244	7153271	84.981	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.526	42	68088	9.040	ng	# 95
9) Benzaldehyde	6.814	77	146593	12.781	ng	98
15) Benzyl Alcohol	7.896	79	140244	8.746	ng	97
20) 3+4-Methylphenols	8.425	107	184123	8.279	ng	98
32) Benzoic acid	9.690	122	83976m	5.369	ng	
35) Caprolactam	11.349	113	54944	8.265	ng	95
41) Hexachlorocyclopentadiene	12.460	237	89672	6.058	ng	98
54) 2,4-Dinitrophenol	14.419	184	40950	6.128	ng	97
56) 4-Nitrophenol	14.525	139	85371m	7.241	ng	
65) 4,6-Dinitro-2-methylph...	15.460	198	66118	6.758	ng	88
70) Pentachlorophenol	16.760	266	110308	7.969	ng	98
77) Benzidine	19.460	184	386843	7.102	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	363666	8.484	ng	98
85) Di-n-octyl phthalate	22.801	149	1012893	7.721	ng	99

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

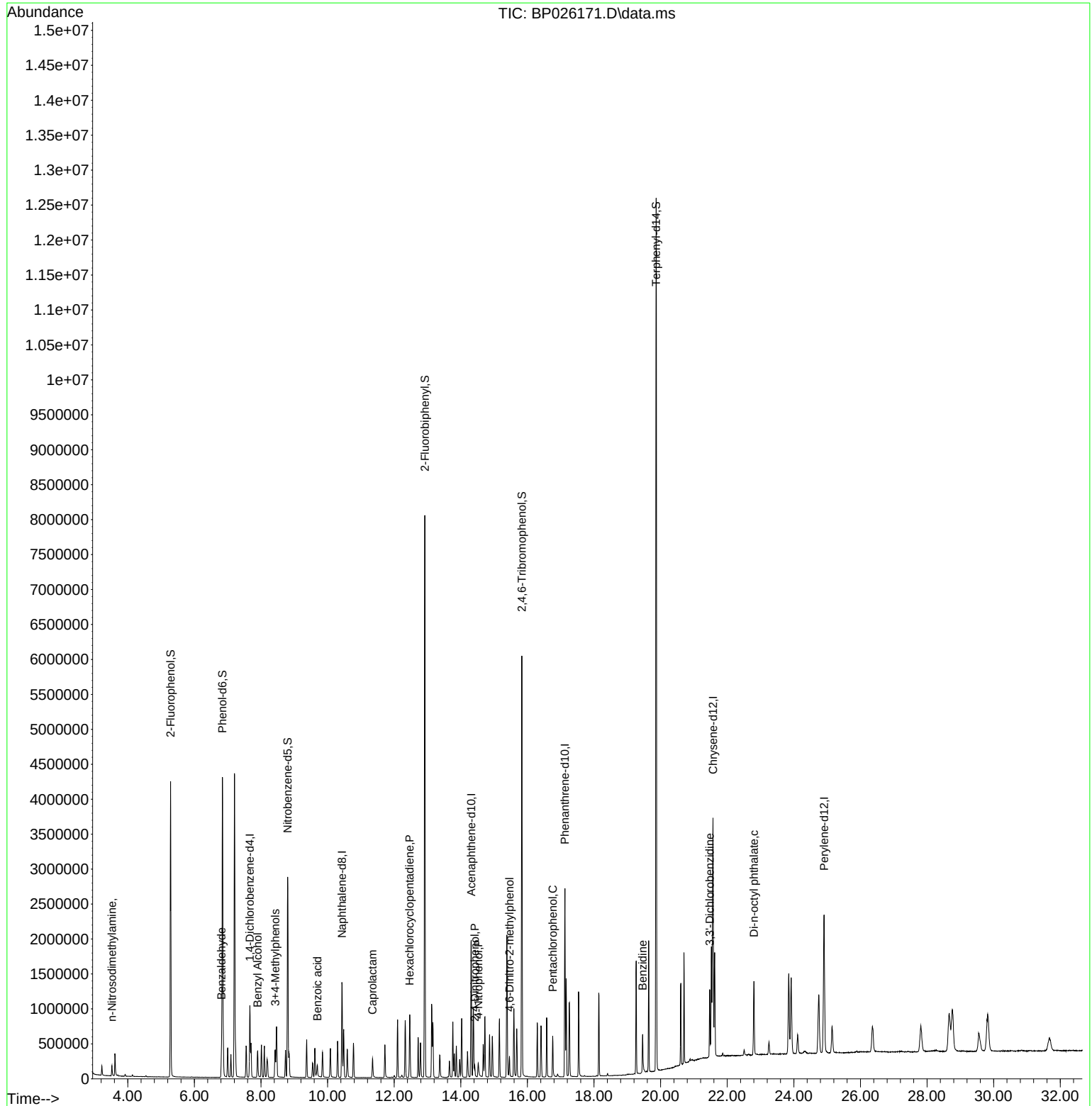
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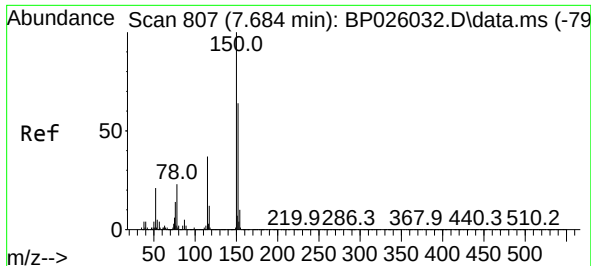
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025

Quant Time: Nov 20 12:47:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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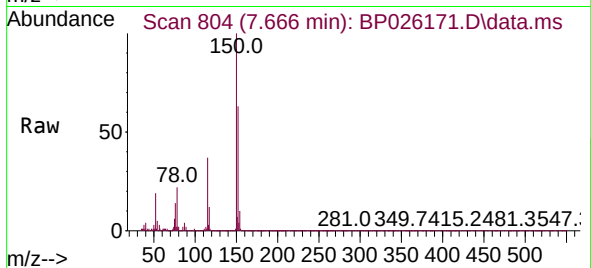
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.666 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

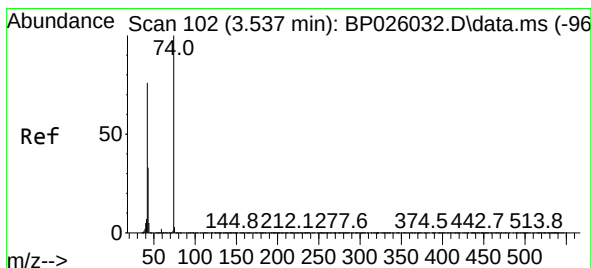
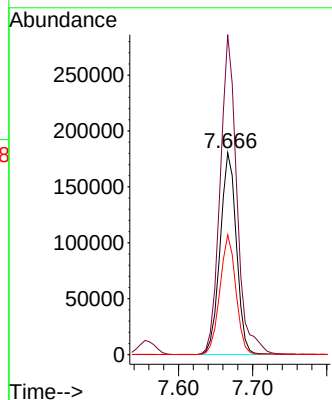
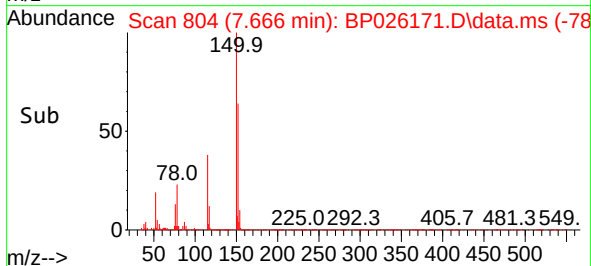
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025



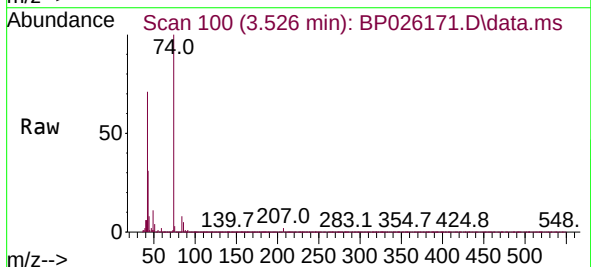
Tgt Ion:152 Resp: 275945
Ion Ratio Lower Upper
152 100
150 158.6 123.0 184.6
115 59.4 46.3 69.5

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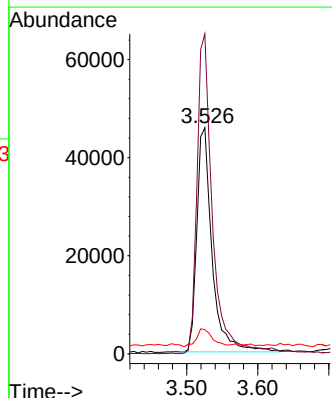
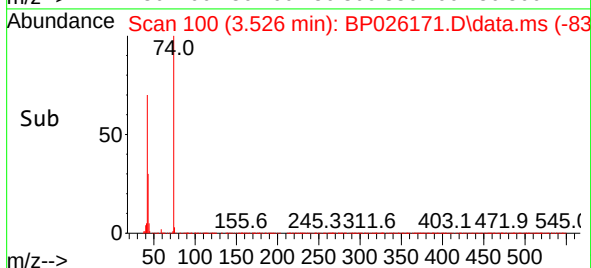
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Supervised By :mohammad ahmed 11/22/2025

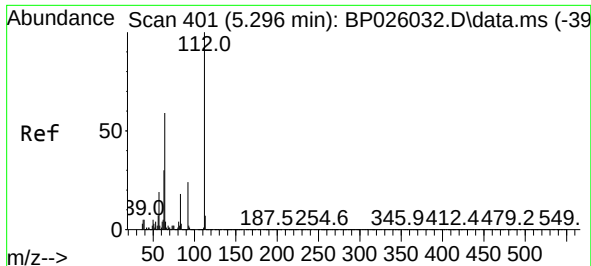


#4
n-Nitrosodimethylamine
Concen: 9.040 ng
RT: 3.526 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27



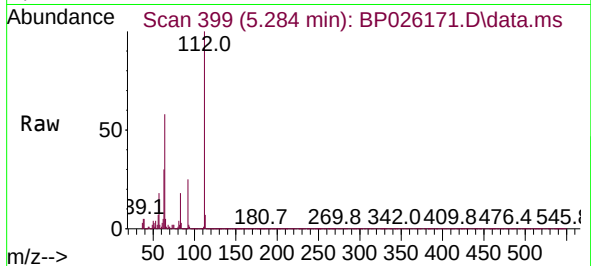
Tgt Ion: 42 Resp: 68088
Ion Ratio Lower Upper
42 100
74 141.5 118.1 177.1
44 10.7 6.2 9.4#





#5
2-Fluorophenol
Concen: 111.502 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

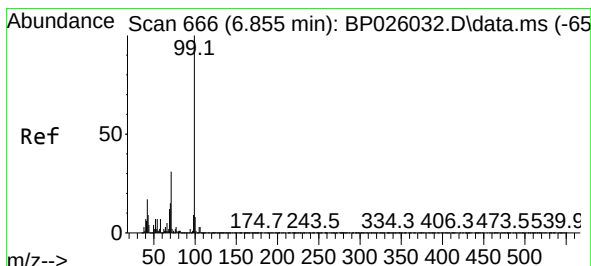
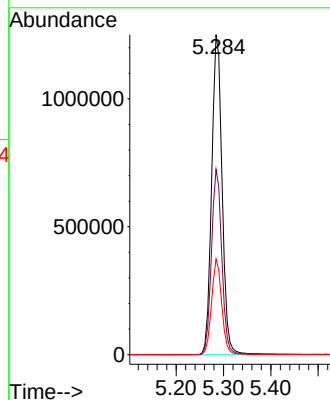
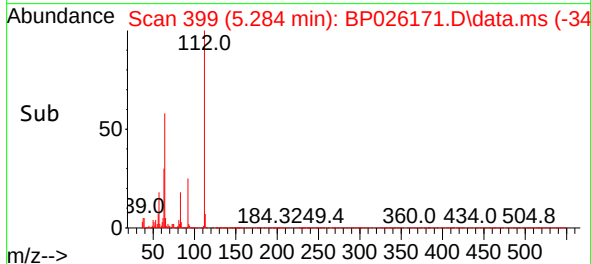
Instrument :
BNA_P
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LOQ-WATER-02-QT4-2025



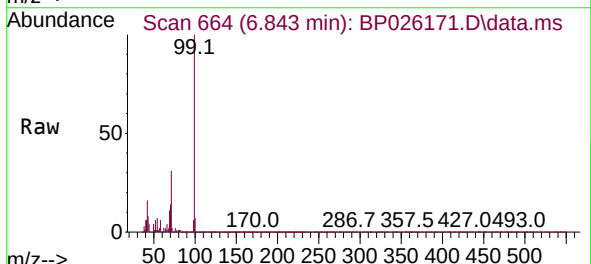
Tgt Ion:112 Resp: 1916935
Ion Ratio Lower Upper
112 100
64 57.9 45.8 68.6
63 29.8 23.5 35.3

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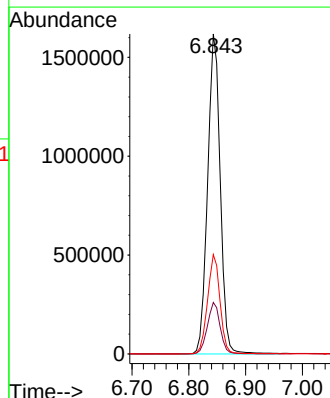
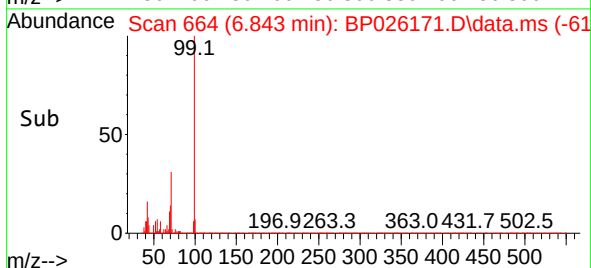
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Supervised By :mohammad ahmed 11/22/2025

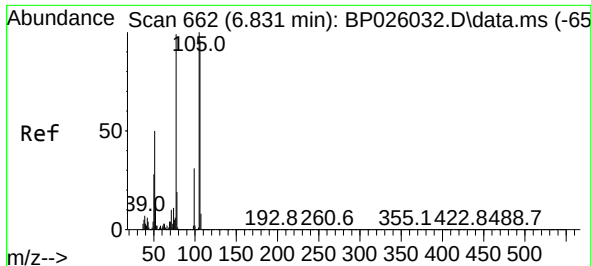


#7
Phenol-d6
Concen: 114.201 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27



Tgt Ion: 99 Resp: 2499469
Ion Ratio Lower Upper
99 100
42 16.1 12.9 19.3
71 31.0 24.8 37.2





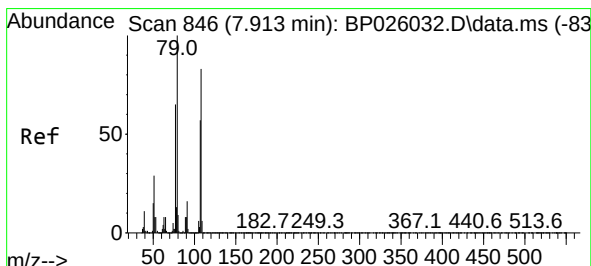
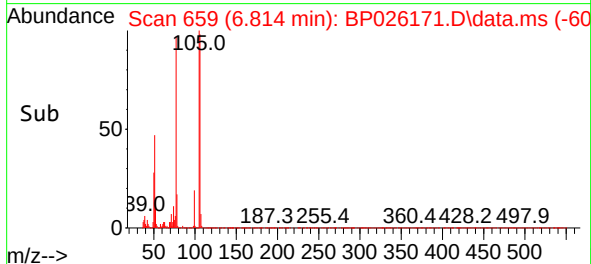
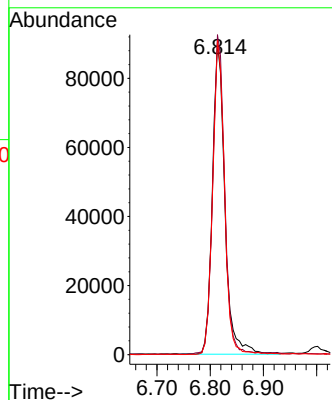
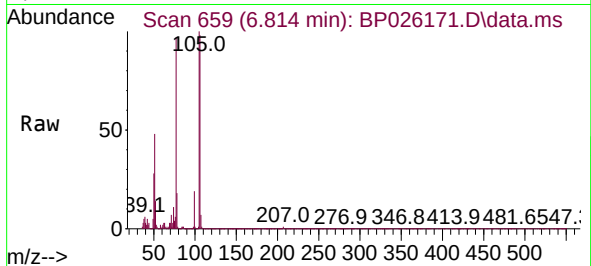
#9
Benzaldehyde
Concen: 12.781 ng
RT: 6.814 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 77 Resp: 146593
Ion Ratio Lower Upper
77 100
105 102.6 82.9 122.9
106 100.9 77.8 117.8

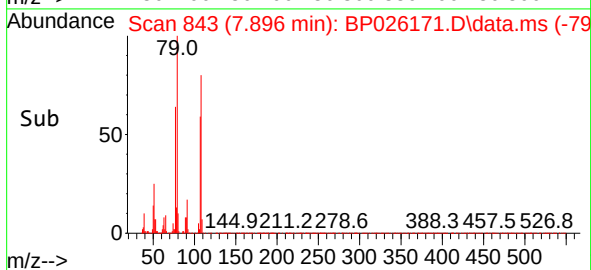
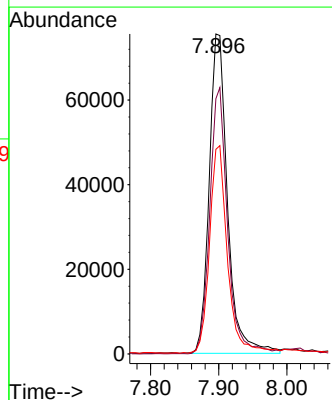
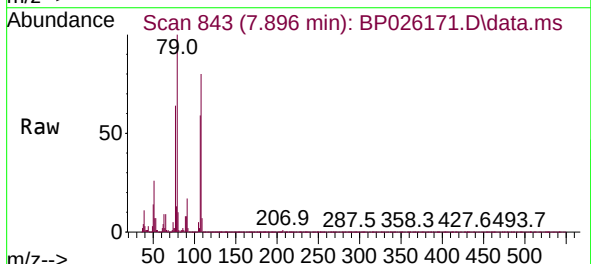
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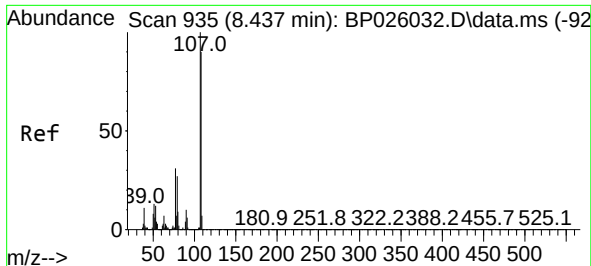
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#15
Benzyl Alcohol
Concen: 8.746 ng
RT: 7.896 min Scan# 843
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

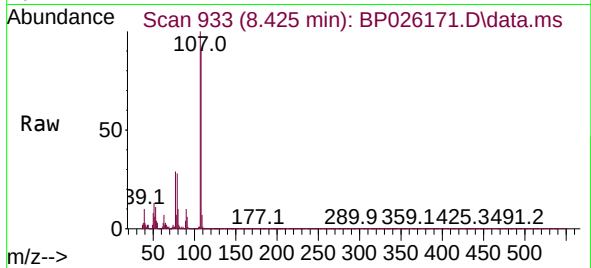
Tgt Ion: 79 Resp: 140244
Ion Ratio Lower Upper
79 100
108 79.8 66.2 99.4
77 63.9 50.0 75.0





#20
3+4-Methylphenols
Concen: 8.279 ng
RT: 8.425 min Scan# 935
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

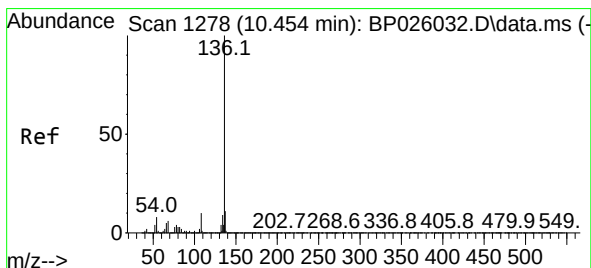
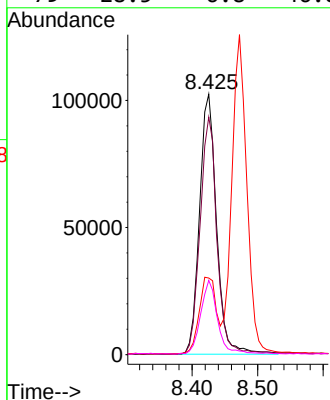
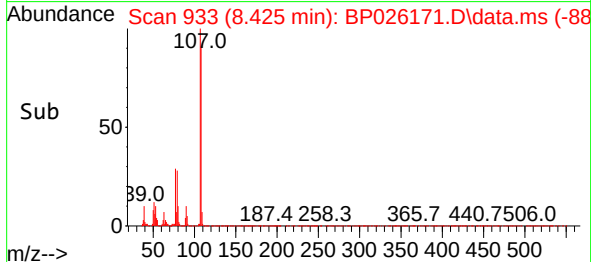
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025



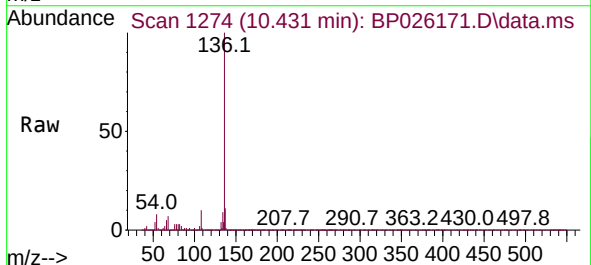
Tgt Ion:107 Resp: 184123
Ion Ratio Lower Upper
107 100
108 91.2 68.9 108.9
77 29.4 10.4 50.4
79 28.5 6.8 46.8

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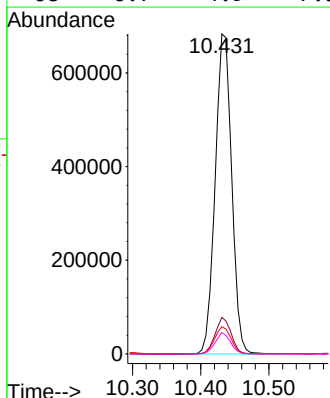
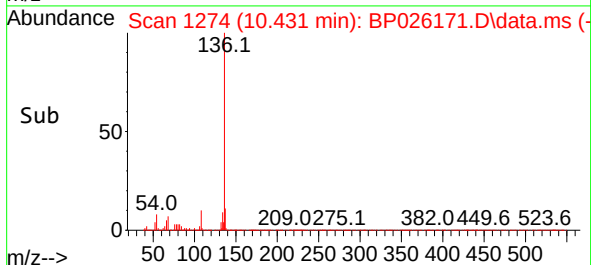
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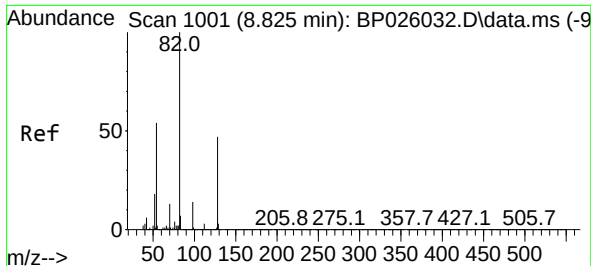


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.017 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27



Tgt Ion:136 Resp: 1143165
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 8.5 6.4 9.6
68 6.7 4.9 7.3





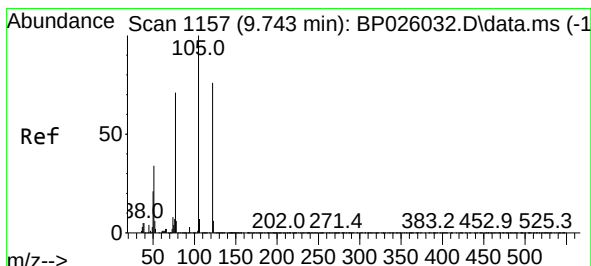
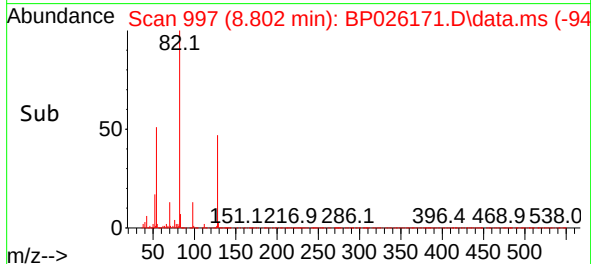
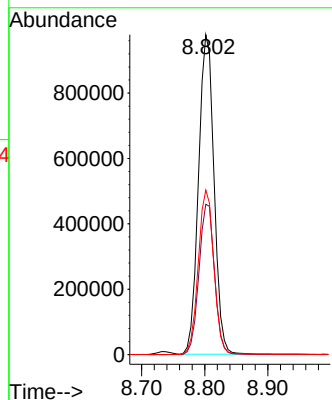
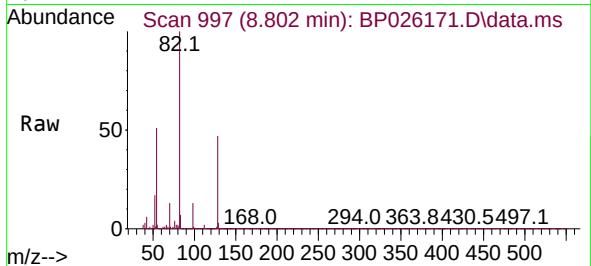
#23
Nitrobenzene-d5
Concen: 82.772 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 82 Resp: 166581
Ion Ratio Lower Upper
82 100
128 47.0 37.4 56.0
54 51.4 41.6 62.4

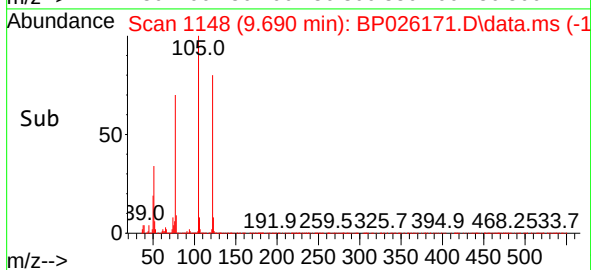
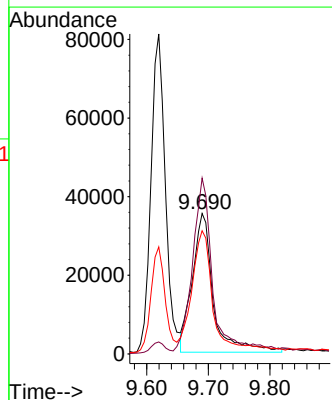
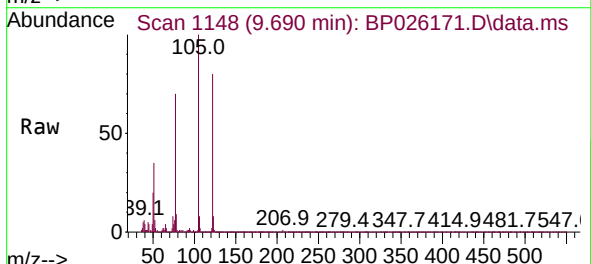
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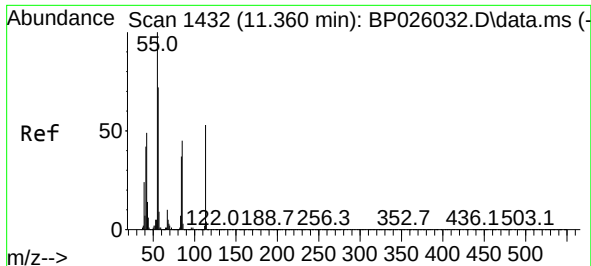
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#32
Benzoic acid
Concen: 5.369 ng m
RT: 9.690 min Scan# 1148
Delta R.T. -0.076 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

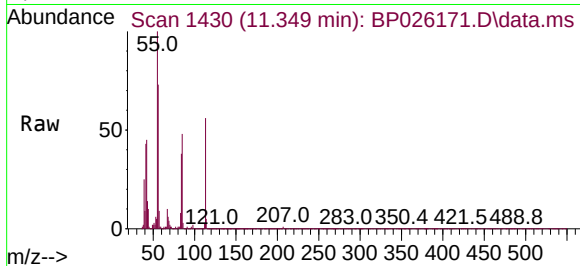
Tgt Ion:122 Resp: 83976
Ion Ratio Lower Upper
122 100
105 125.2 100.1 140.1
77 87.7 66.7 106.7





#35
Caprolactam
Concen: 8.265 ng
RT: 11.349 min Scan# 1432
Delta R.T. -0.029 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

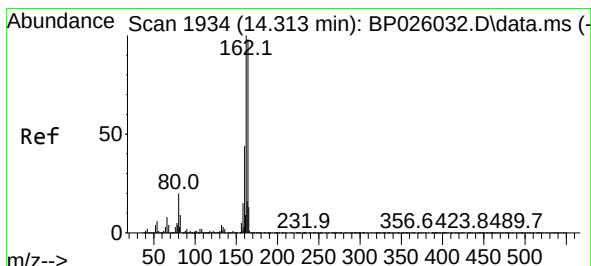
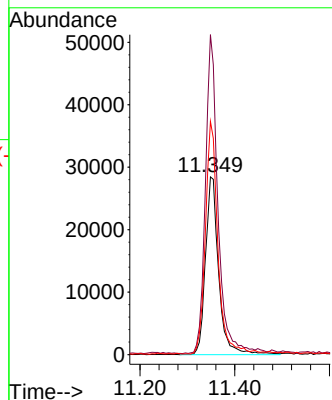
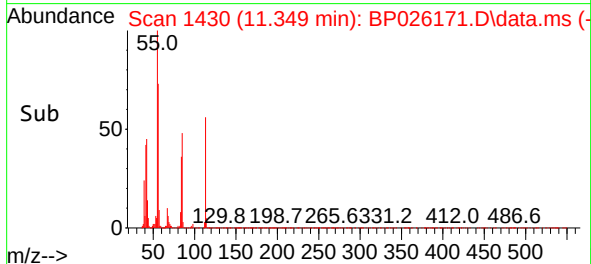
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Tgt Ion:113 Resp: 54944
Ion Ratio Lower Upper
113 100
55 180.1 153.0 193.0
56 131.3 106.4 146.4

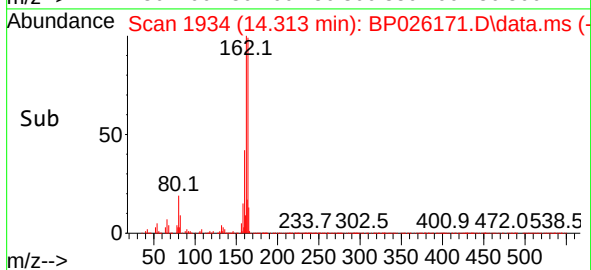
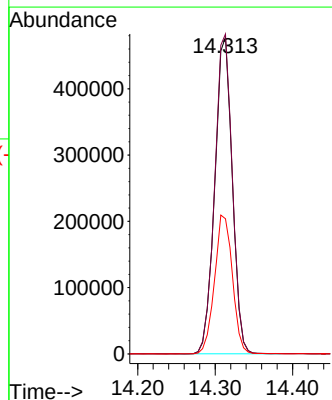
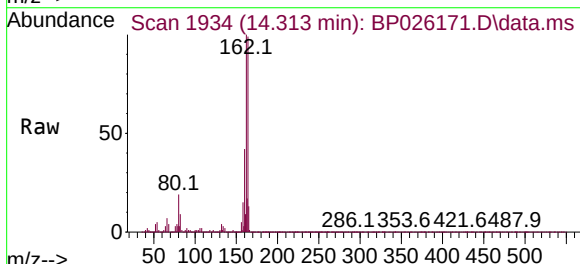
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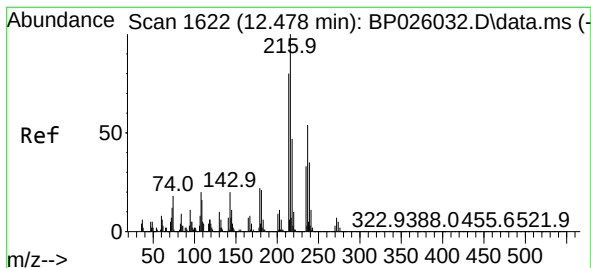
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

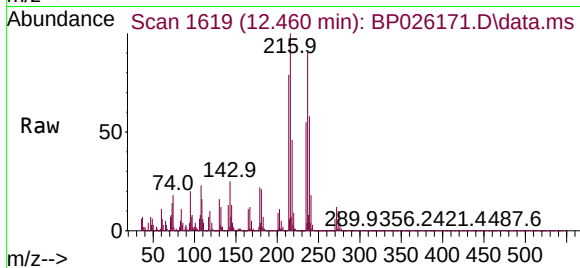
Tgt Ion:164 Resp: 747957
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 42.7 35.2 52.8





#41
Hexachlorocyclopentadiene
Concen: 6.058 ng
RT: 12.460 min Scan# 1619
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

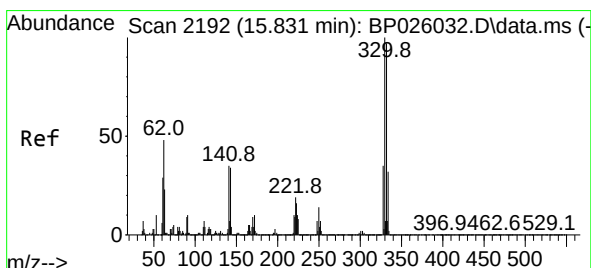
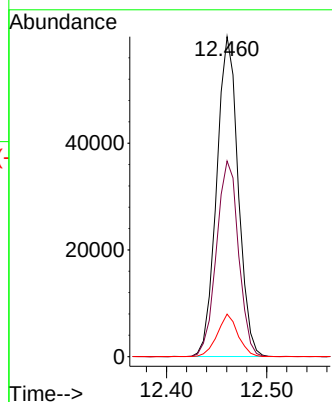
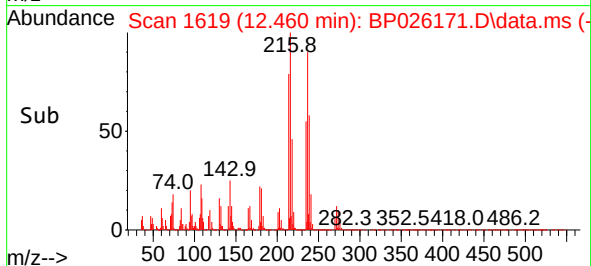
Instrument : BNA_P
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion: 237 Resp: 89672
Ion Ratio Lower Upper
237 100
235 61.1 43.3 83.3
272 13.3 0.0 32.9

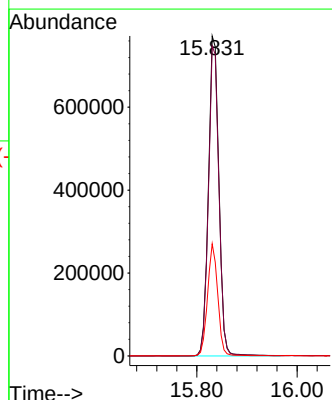
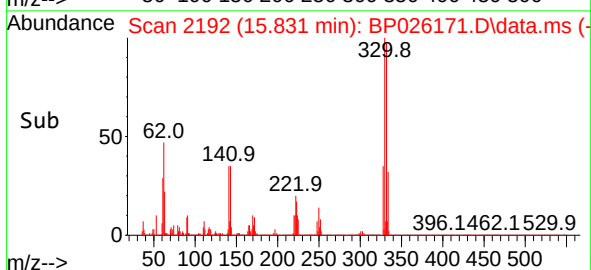
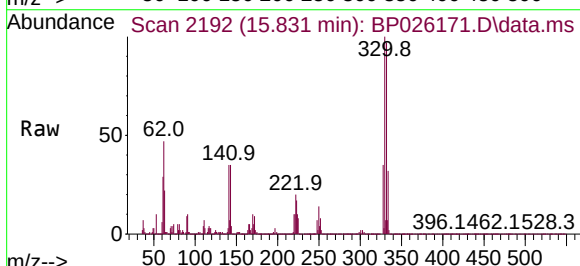
Manual Integrations
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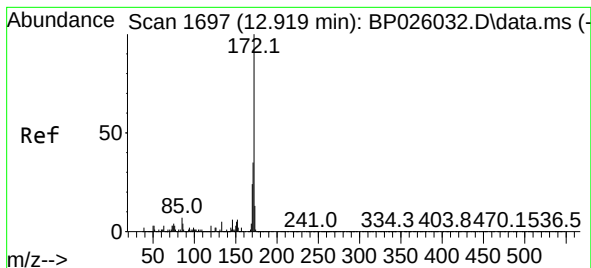
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#42
2,4,6-Tribromophenol
Concen: 115.413 ng
RT: 15.831 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

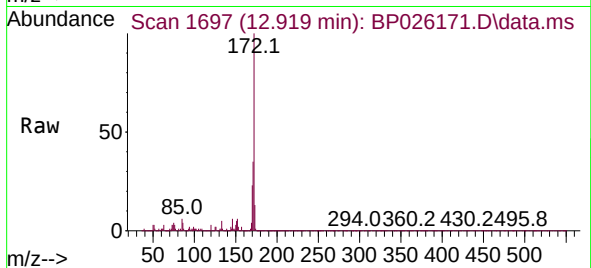
Tgt Ion: 330 Resp: 1119828
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 34.1 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 82.233 ng
RT: 12.919 min Scan# 1697
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

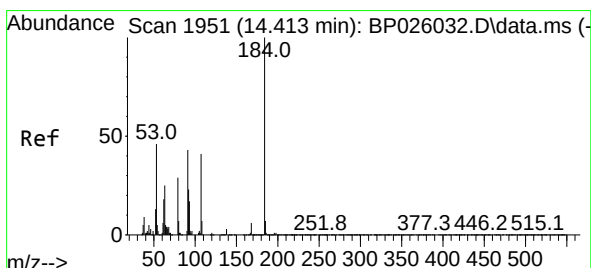
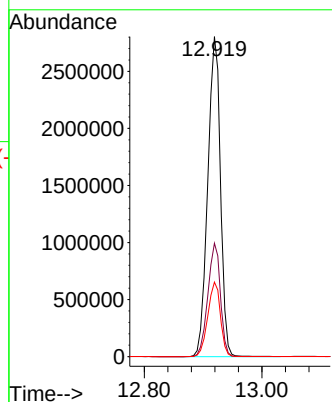
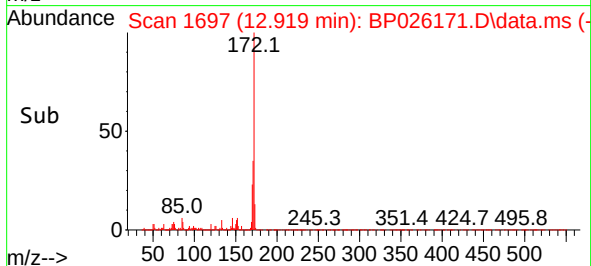
Instrument : BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:172 Resp: 4196702
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.3 18.7 28.1

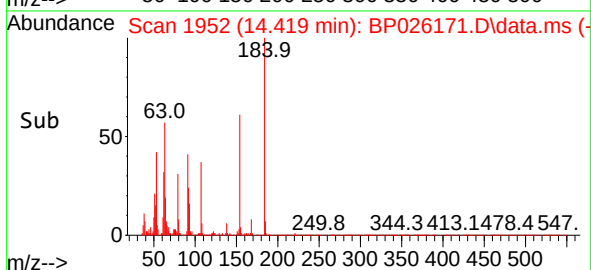
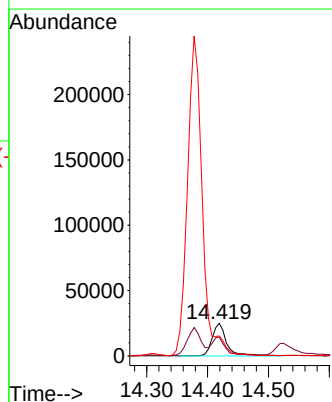
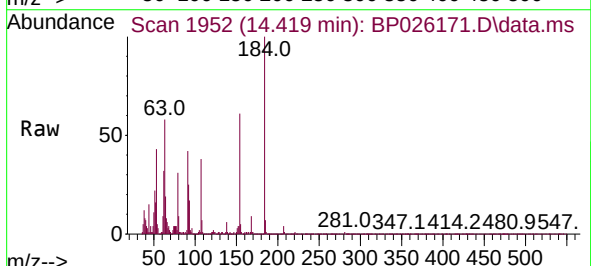
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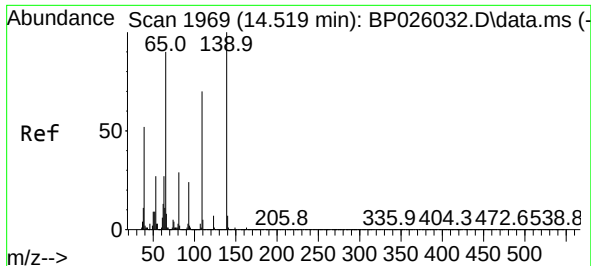
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#54
2,4-Dinitrophenol
Concen: 6.128 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.011 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

Tgt Ion:184 Resp: 40950
Ion Ratio Lower Upper
184 100
63 57.8 43.1 64.7
154 61.0 49.5 74.3





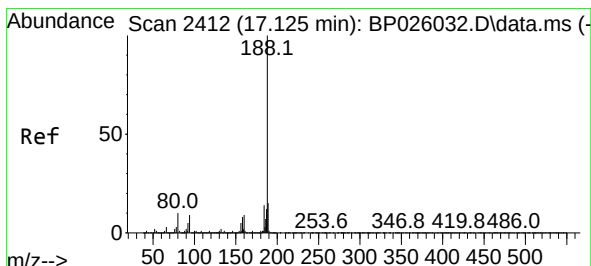
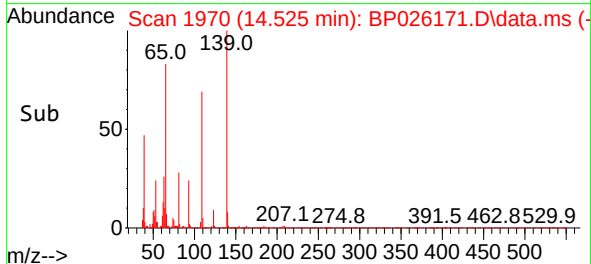
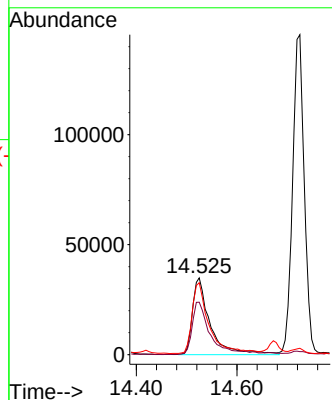
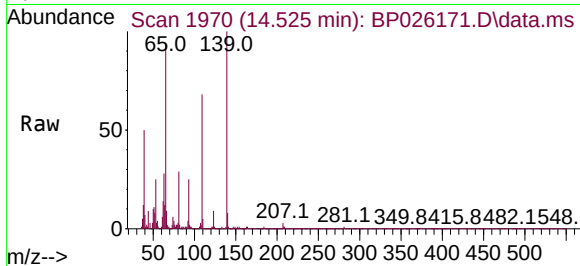
#56
4-Nitrophenol
Concen: 7.241 ng m
RT: 14.525 min Scan# 1969
Delta R.T. -0.017 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:139 Resp: 8537
Ion Ratio Lower Upper
139 100
109 68.4 46.8 86.8
65 93.9 69.3 109.3

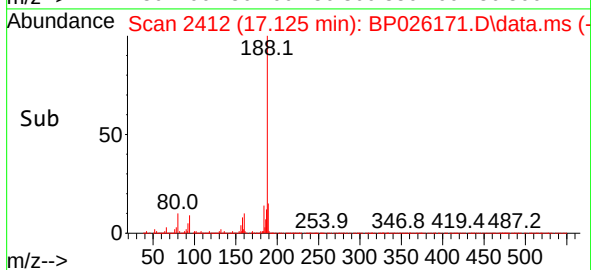
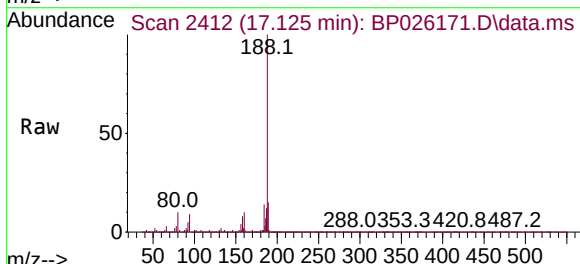
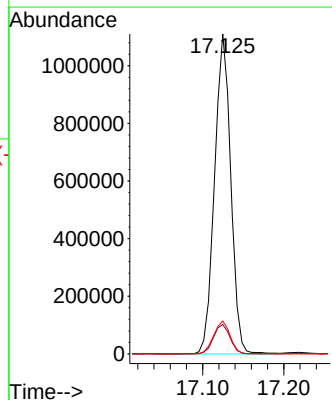
Manual Integrations
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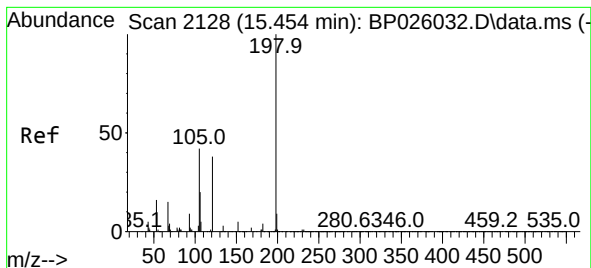
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

Tgt Ion:188 Resp: 1539933
Ion Ratio Lower Upper
188 100
94 9.2 7.8 11.6
80 10.3 8.2 12.2





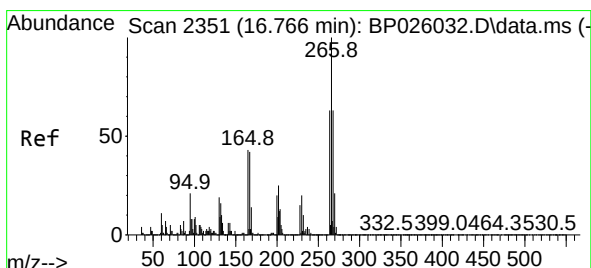
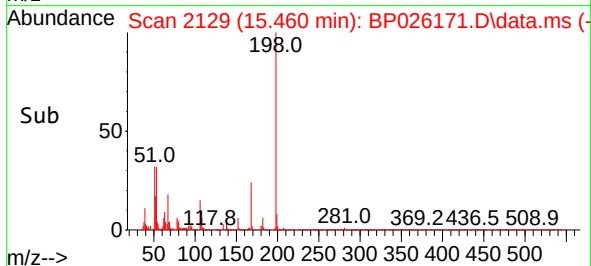
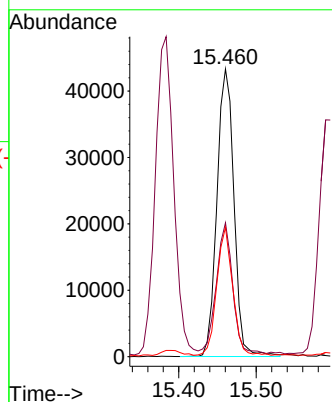
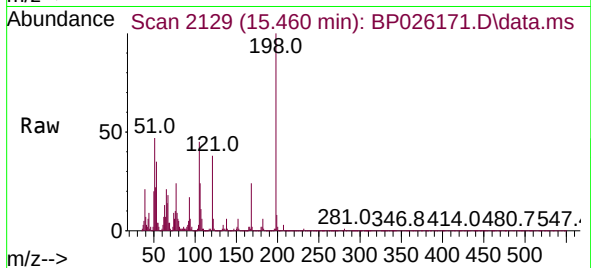
#65
4,6-Dinitro-2-methylphenol
Concen: 6.758 ng
RT: 15.460 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

Instrument : BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:198 Resp: 66118
Ion Ratio Lower Upper
198 100
51 46.6 18.4 58.4
105 45.0 18.5 58.5

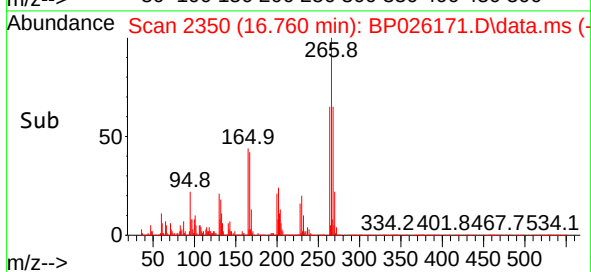
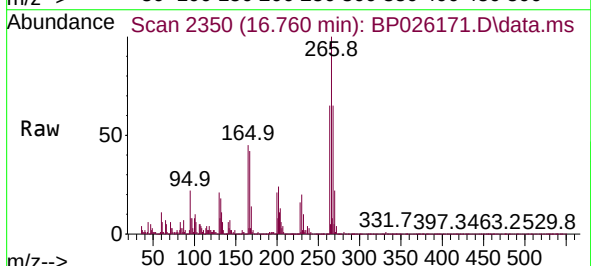
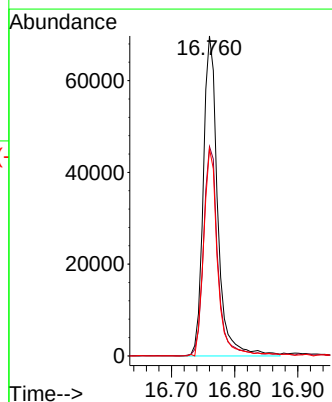
Manual Integrations
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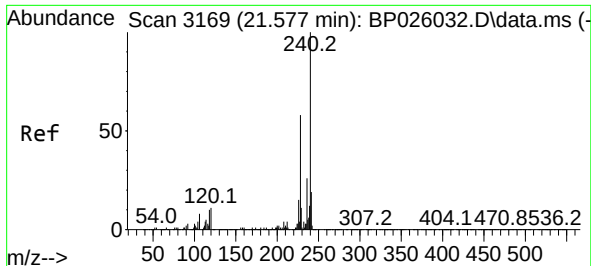
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#70
Pentachlorophenol
Concen: 7.969 ng
RT: 16.760 min Scan# 2350
Delta R.T. -0.017 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

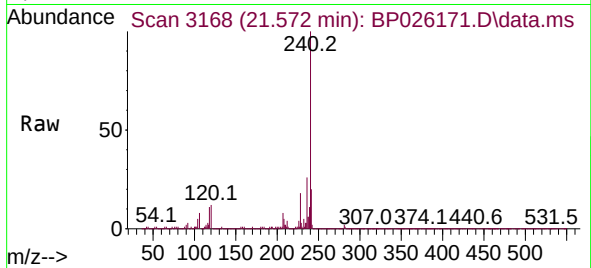
Tgt Ion:266 Resp: 110308
Ion Ratio Lower Upper
266 100
268 65.4 51.0 76.4
264 64.7 50.2 75.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3169
Delta R.T. 0.000 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

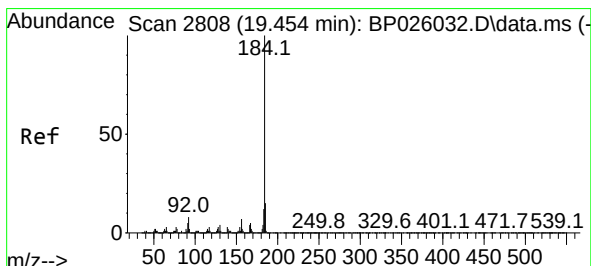
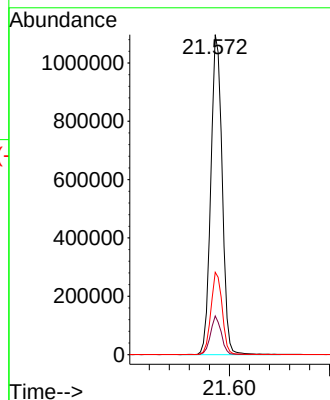
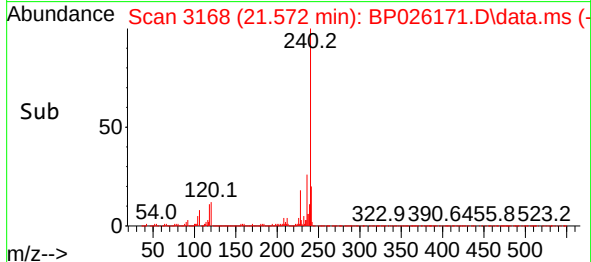
Instrument :
BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:240 Resp: 171637
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.4
236 25.8 20.4 30.6

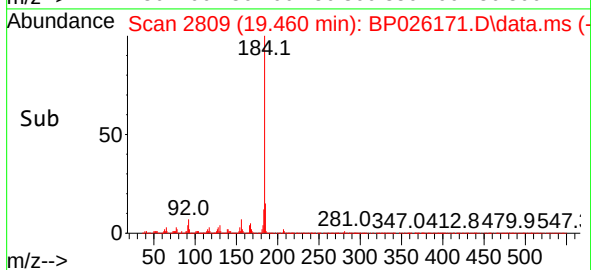
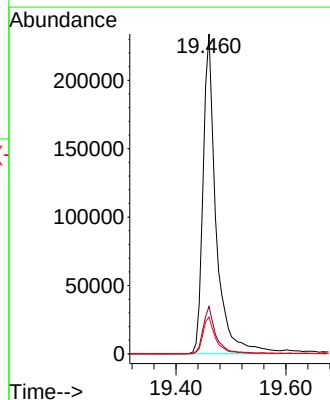
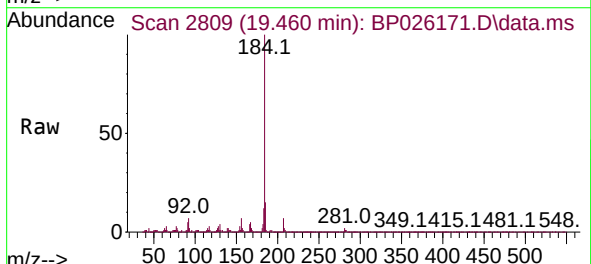
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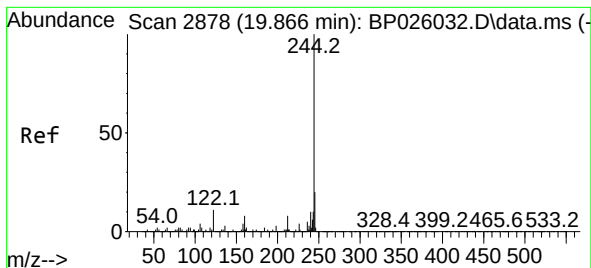
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#77
Benzidine
Concen: 7.102 ng
RT: 19.460 min Scan# 2809
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

Tgt Ion:184 Resp: 386843
Ion Ratio Lower Upper
184 100
185 14.8 11.3 16.9
183 11.5 9.0 13.6





#79

Terphenyl-d14

Concen: 84.981 ng

RT: 19.866 min Scan# 2878

Delta R.T. -0.006 min

Lab File: BP026171.D

Acq: 20 Nov 2025 12:27

Instrument :

BNA_P

ClientSampleId :

LOQ-WATER-02-QT4-2025

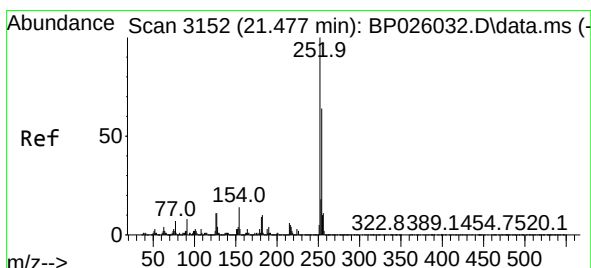
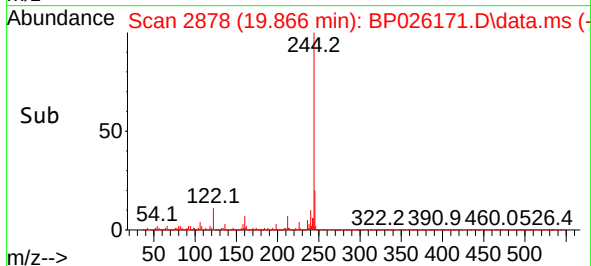
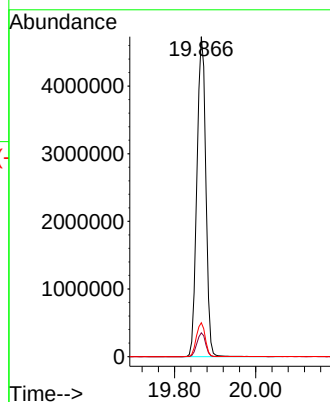
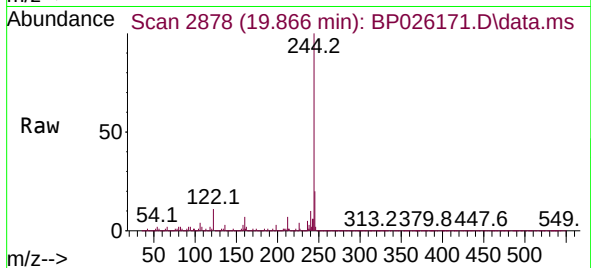
Tgt Ion:244 Resp: 715327

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	10.6	8.2	12.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#82

3,3'-Dichlorobenzidine

Concen: 8.484 ng

RT: 21.477 min Scan# 3152

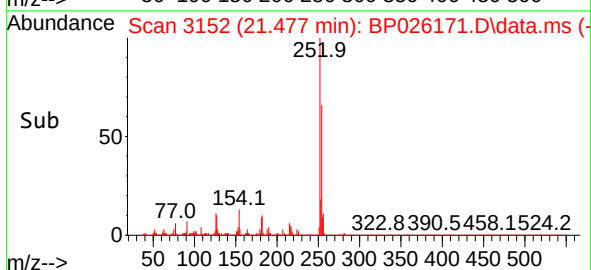
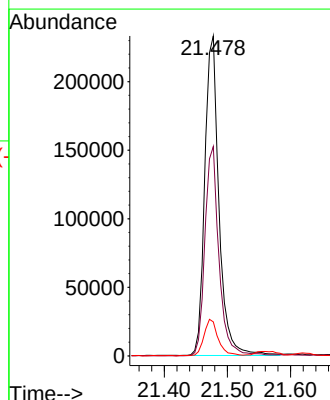
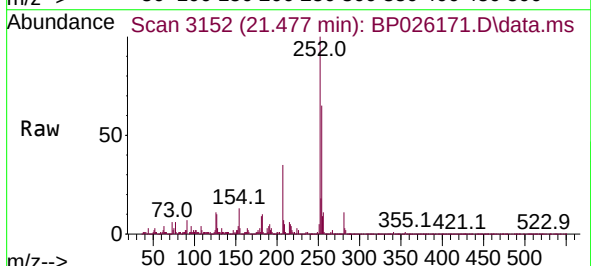
Delta R.T. -0.012 min

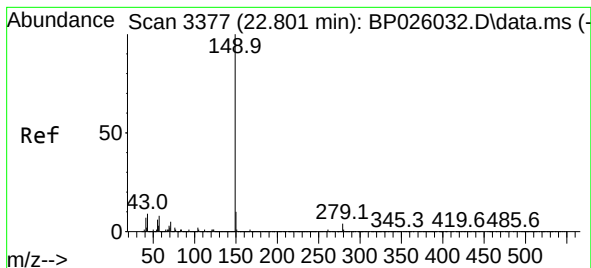
Lab File: BP026171.D

Acq: 20 Nov 2025 12:27

Tgt Ion:252 Resp: 363666

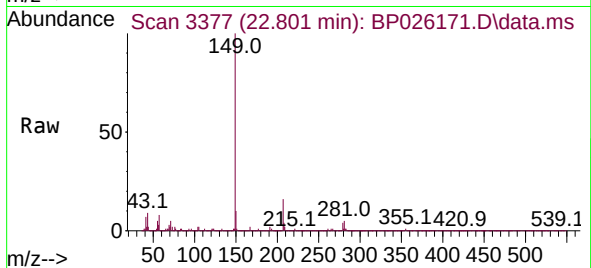
Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.2	76.8
126	10.6	8.2	12.4





#85
Di-n-octyl phthalate
Concen: 7.721 ng
RT: 22.801 min Scan# 3377
Delta R.T. -0.006 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27

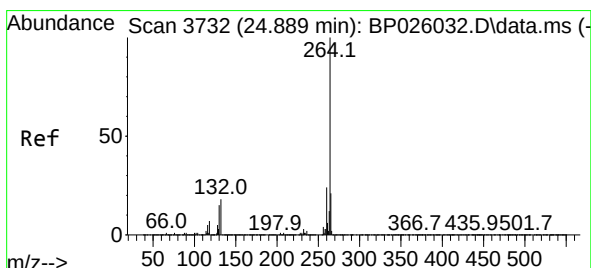
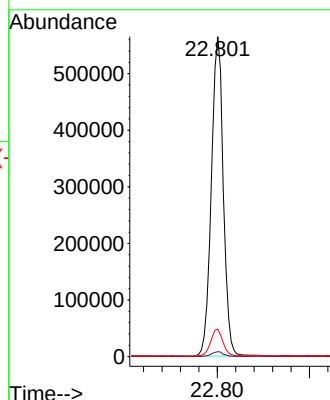
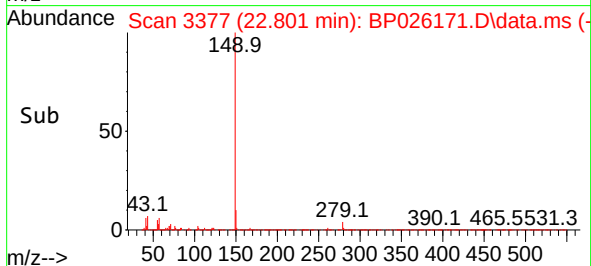
Instrument : BNA_P
ClientSampleId :
LOQ-WATER-02-QT4-2025



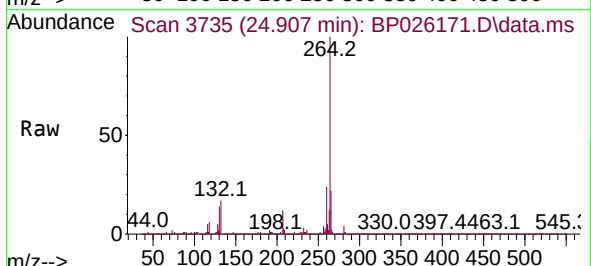
Tgt Ion:149 Resp: 1012893
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 8.7 6.6 10.0

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Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP026171.D
Acq: 20 Nov 2025 12:27



Tgt Ion:264 Resp: 1842046
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.0 17.5 26.3

