

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
 Data File : BN036424.D
 Acq On : 11 Feb 2025 15:28
 Operator : RC/JU
 Sample : Q1168-08
 Misc : LOQ-WATER 0.2 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 11 16:54:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 11 01:17:14 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.753	152	1949	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	4794	0.400	ng	# 0.01
13) Acenaphthene-d10	14.388	164	3083	0.400	ng	0.00
19) Phenanthrene-d10	17.136	188	7063	0.400	ng	0.00
29) Chrysene-d12	21.322	240	6215	0.400	ng	0.00
35) Perylene-d12	23.595	264	6411	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	1709	0.371	ng	0.00
5) Phenol-d6	6.930	99	1952	0.361	ng	0.00
8) Nitrobenzene-d5	8.907	82	1391	0.294	ng	0.00
11) 2-Methylnaphthalene-d10	12.141	152	3907	0.530	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	509	0.333	ng	0.01
15) 2-Fluorobiphenyl	13.019	172	3391	0.293	ng	0.00
27) Fluoranthene-d10	19.169	212	10595	0.539	ng	0.00
31) Terphenyl-d14	19.768	244	4408	0.332	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.268	88	452	0.212	ng	Qvalue 95
3) n-Nitrosodimethylamine	3.579	42	729	0.197	ng	# 91
20) 4,6-Dinitro-2-methylph...	15.535	198	208m	0.150	ng	
24) Pentachlorophenol	16.801	266	437	0.177	ng	96
34) Bis(2-ethylhexyl)phtha...	21.241	149	2609	0.205	ng	# 100

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

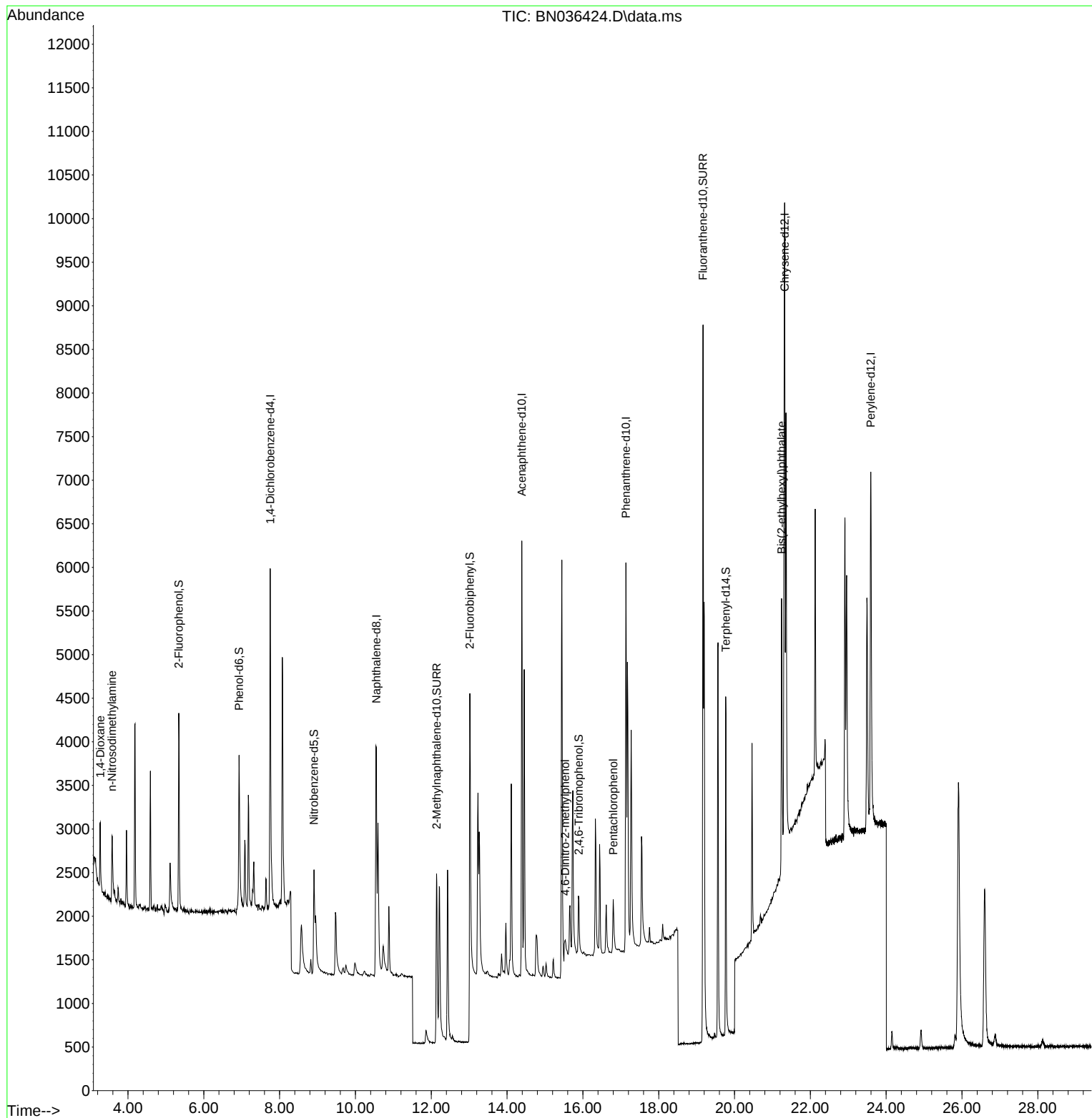
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
Data File : BN036424.D
Acq On : 11 Feb 2025 15:28
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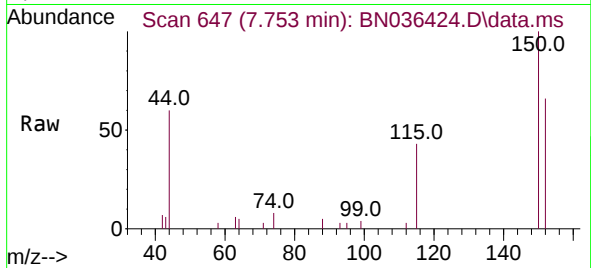
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.753 min Scan# 647
 Delta R.T. 0.000 min
 Lab File: BN036424.D
 Acq: 11 Feb 2025 15:28

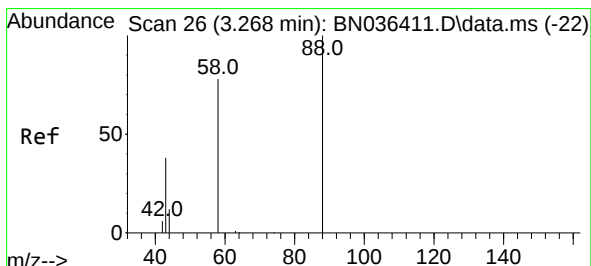
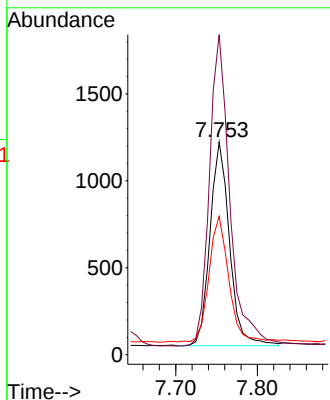
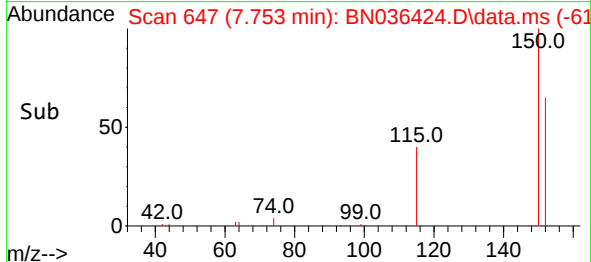
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2025



Tgt Ion: 152 Resp: 1949
 Ion Ratio Lower Upper
 152 100
 150 150.4 123.7 185.5
 115 65.0 52.5 78.7

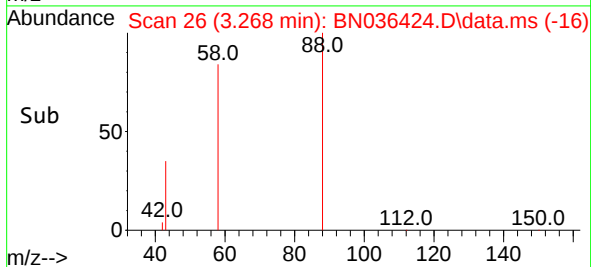
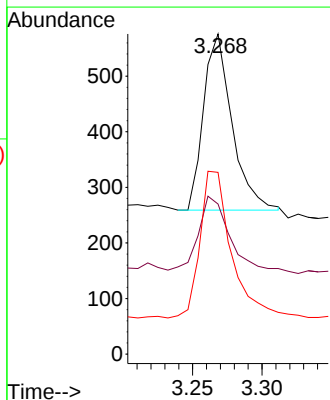
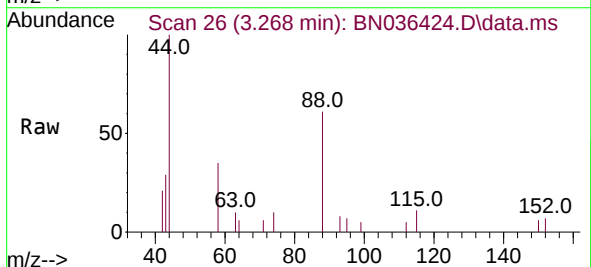
Manual Integrations
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#2
 1,4-Dioxane
 Concen: 0.212 ng
 RT: 3.268 min Scan# 26
 Delta R.T. -0.000 min
 Lab File: BN036424.D
 Acq: 11 Feb 2025 15:28

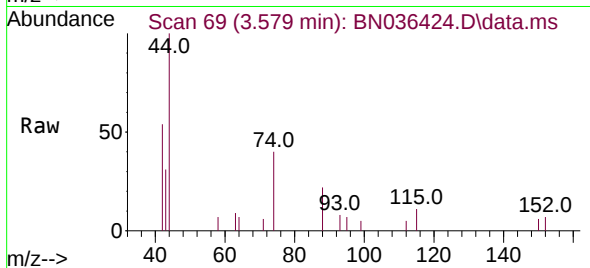
Tgt Ion: 88 Resp: 452
 Ion Ratio Lower Upper
 88 100
 43 43.8 33.7 50.5
 58 92.0 68.9 103.3





#3
n-Nitrosodimethylamine
Concen: 0.197 ng
RT: 3.579 min Scan# 69
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

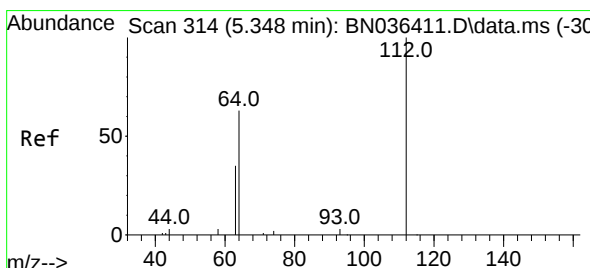
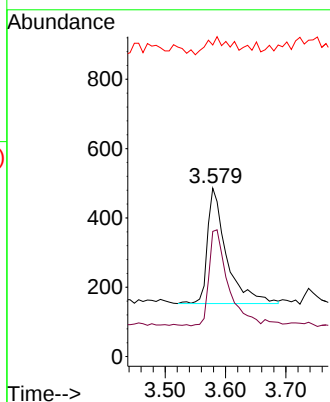
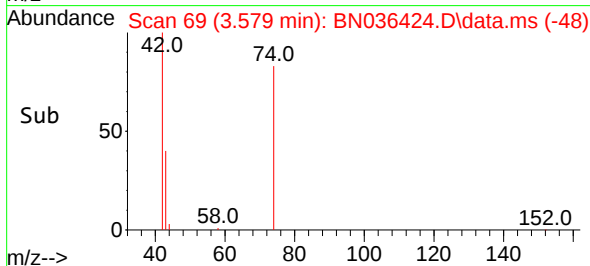
Instrument : BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion: 42 Resp: 729
Ion Ratio Lower Upper
42 100
74 82.6 71.8 107.6
44 18.7 7.8 11.6

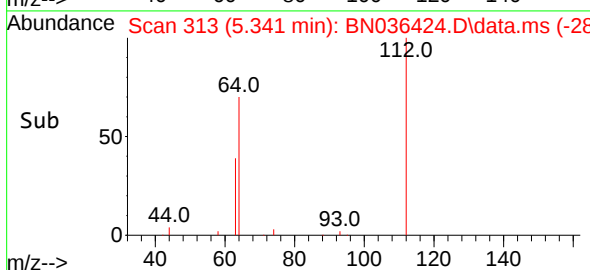
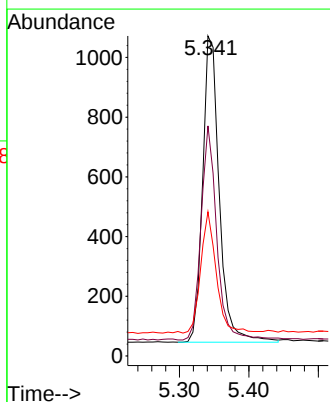
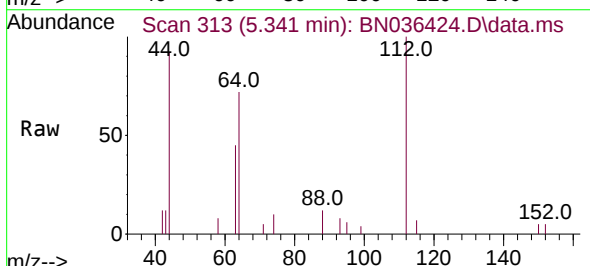
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Supervised By :mohammad ahmed 02/12/2025



#4
2-Fluorophenol
Concen: 0.371 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.007 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

Tgt Ion:112 Resp: 1709
Ion Ratio Lower Upper
112 100
64 66.9 53.4 80.0
63 37.1 30.3 45.5





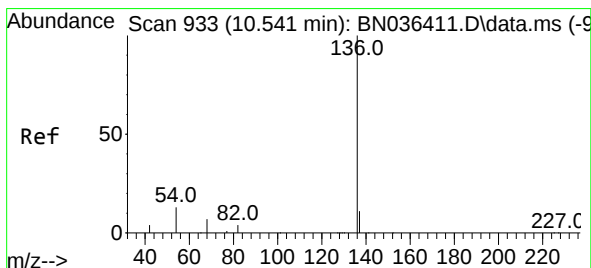
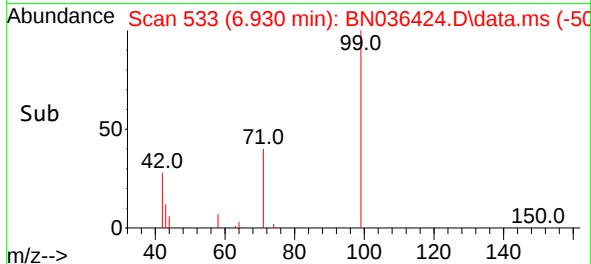
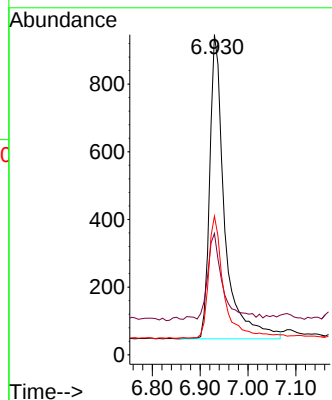
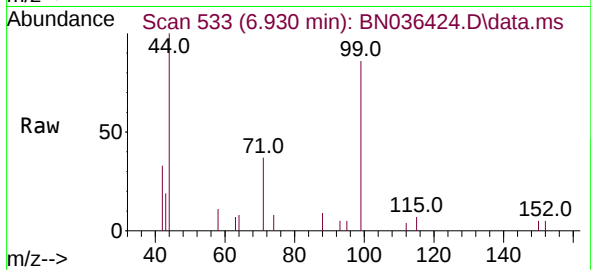
#5
Phenol-d6
Concen: 0.361 ng
RT: 6.930 min Scan# 511
Delta R.T. -0.007 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

Tgt Ion: 99 Resp: 1952
Ion Ratio Lower Upper
99 100
42 28.0 21.7 32.5
71 41.1 32.6 49.0

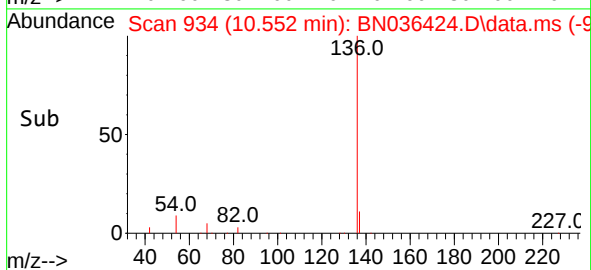
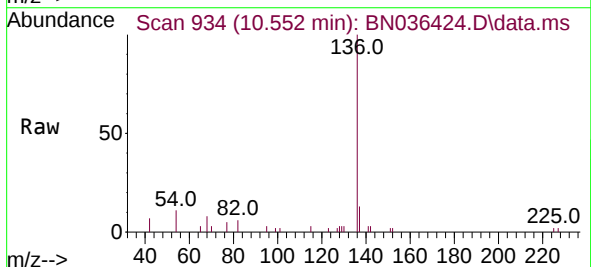
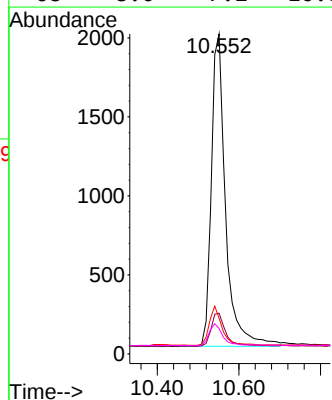
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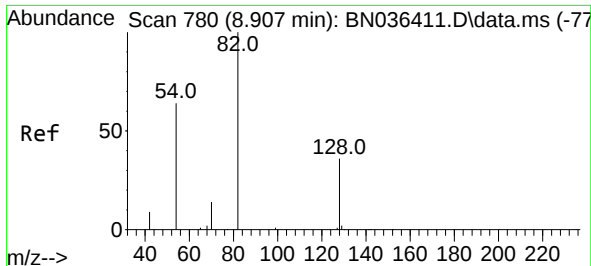
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 934
Delta R.T. 0.011 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

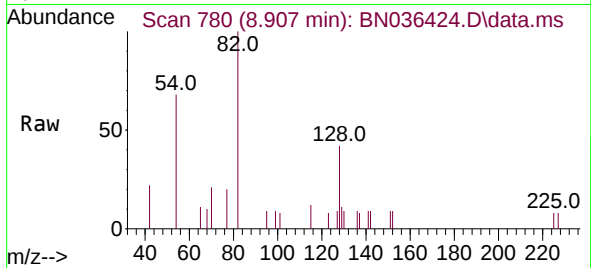
Tgt Ion:136 Resp: 4794
Ion Ratio Lower Upper
136 100
137 12.7 10.1 15.1
54 11.2 11.8 17.6#
68 8.0 7.2 10.8





#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 8.907 min Scan# 780
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

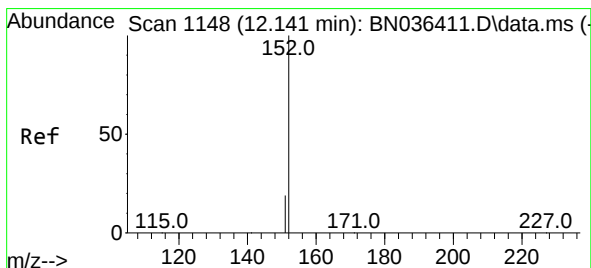
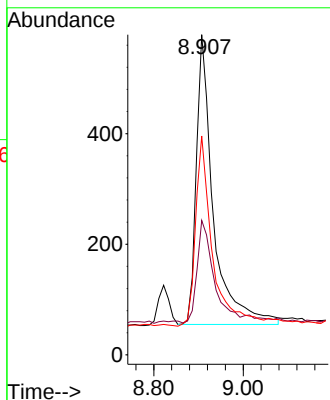
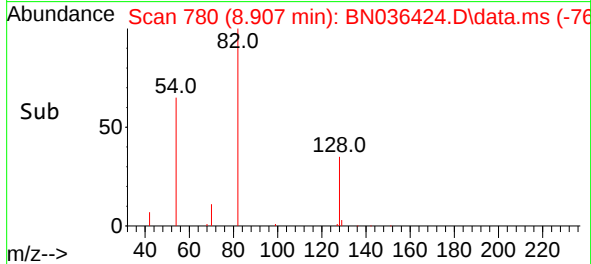
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion: 82 Resp: 139
Ion Ratio Lower Upper
82 100
128 42.0 31.9 47.9
54 68.4 53.1 79.7

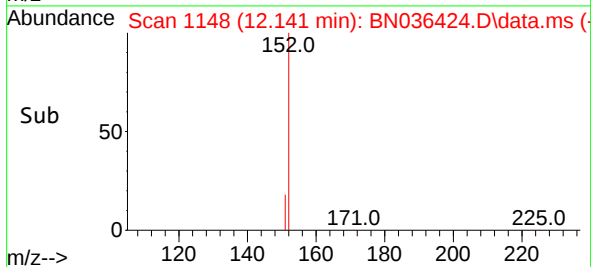
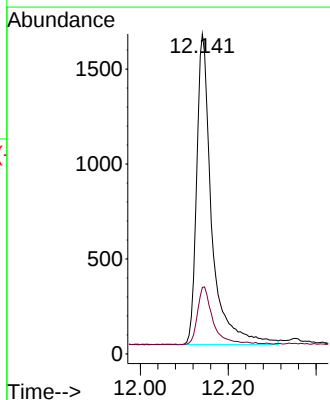
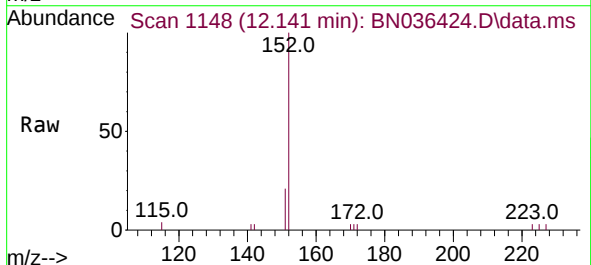
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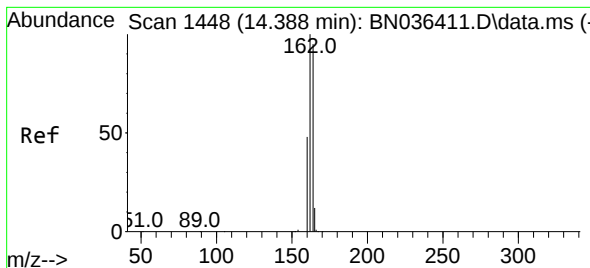
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#11
2-Methylnaphthalene-d10
Concen: 0.530 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

Tgt Ion:152 Resp: 3907
Ion Ratio Lower Upper
152 100
151 19.0 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.388 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BN036424.D

Acq: 11 Feb 2025 15:28

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion:164 Resp: 308

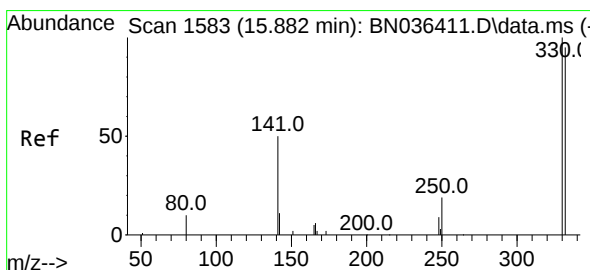
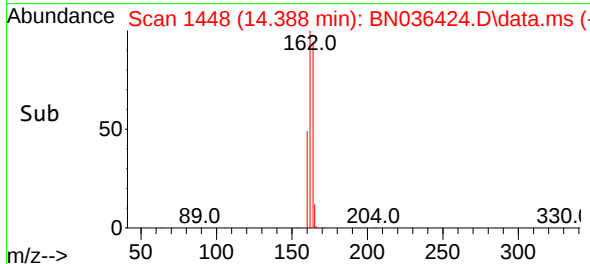
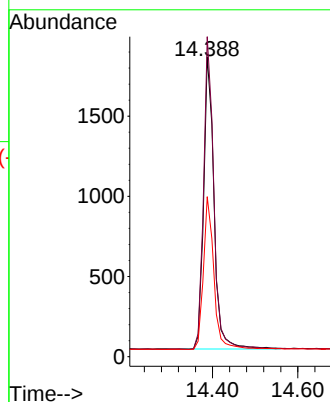
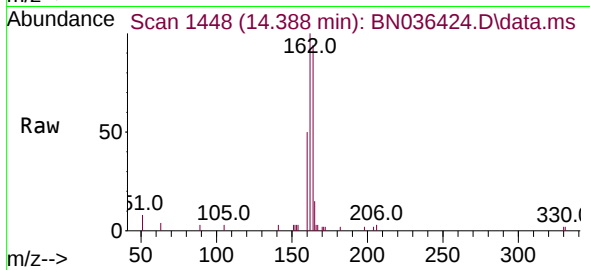
Ion	Ratio	Lower	Upper
164	100		
162	106.7	84.1	126.1
160	53.3	41.4	62.0

Manual Integrations

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Supervised By :mohammad ahmed 02/12/2025



#14

2,4,6-Tribromophenol

Concen: 0.333 ng

RT: 15.895 min Scan# 1584

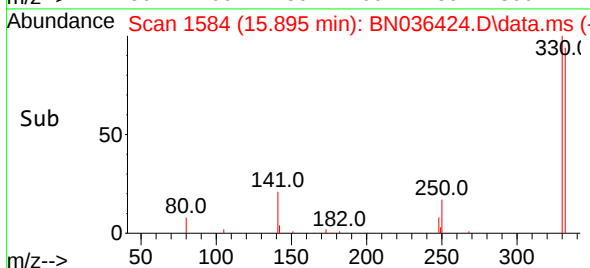
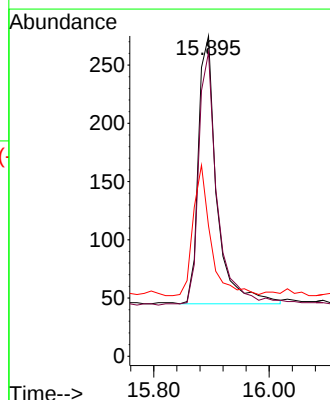
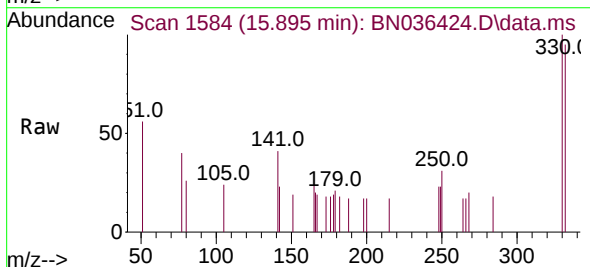
Delta R.T. 0.012 min

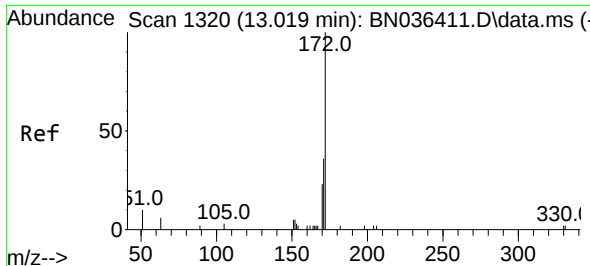
Lab File: BN036424.D

Acq: 11 Feb 2025 15:28

Tgt Ion:330 Resp: 509

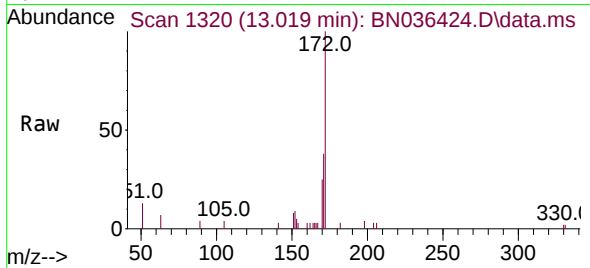
Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	46.6	37.8	56.8





#15
2-Fluorobiphenyl
Concen: 0.293 ng
RT: 13.019 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

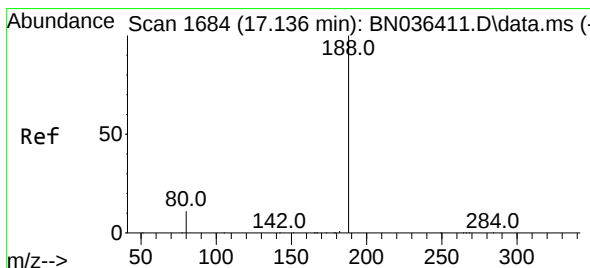
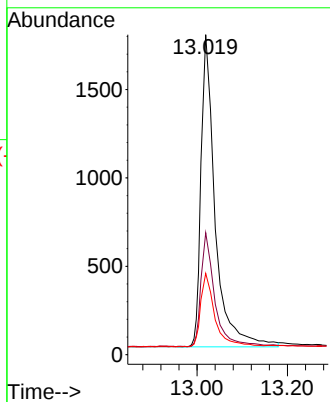
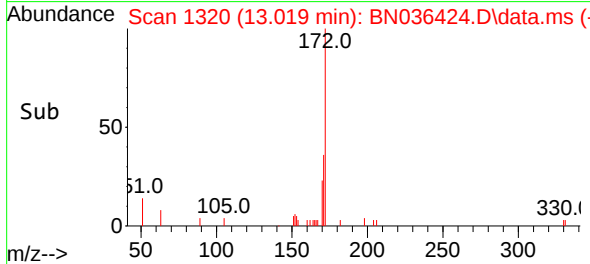
Instrument : BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:172 Resp: 339
Ion Ratio Lower Upper
172 100
171 38.1 29.6 44.4
170 25.4 19.8 29.6

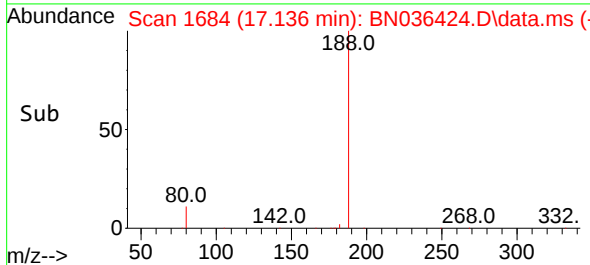
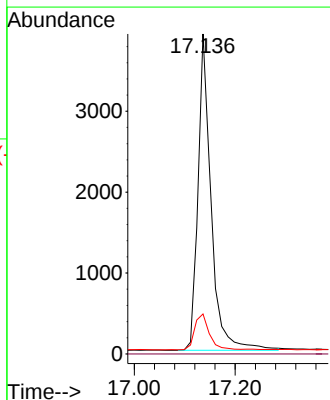
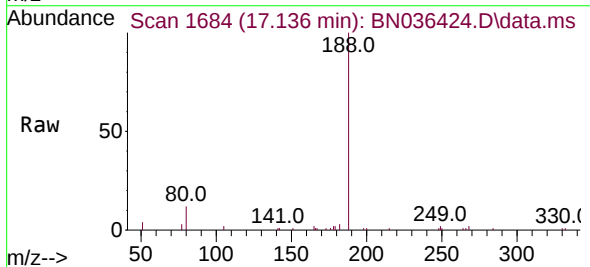
Manual Integrations
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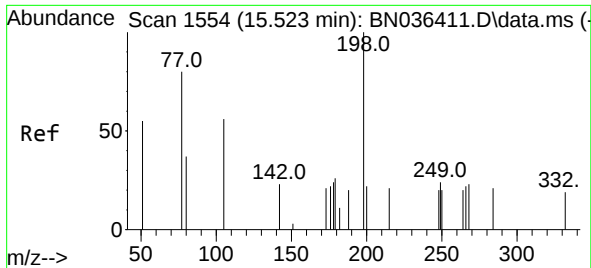
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

Tgt Ion:188 Resp: 7063
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 9.8 14.6





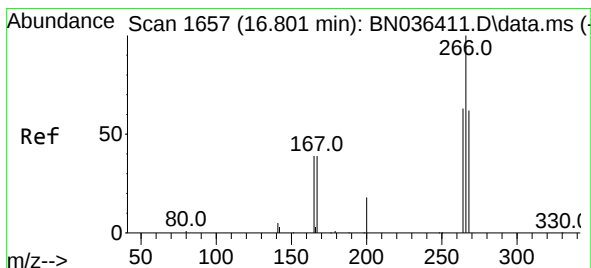
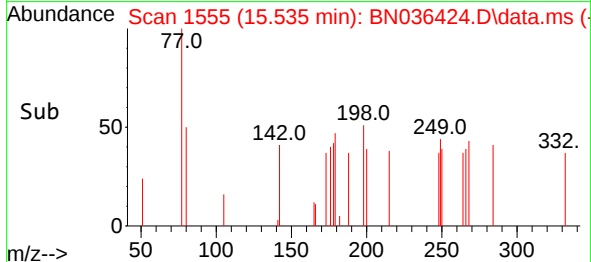
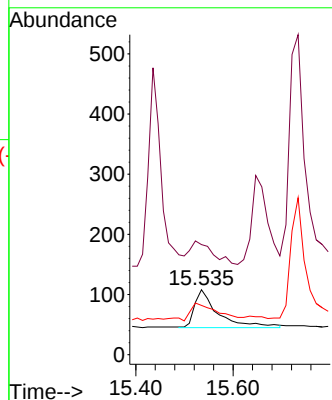
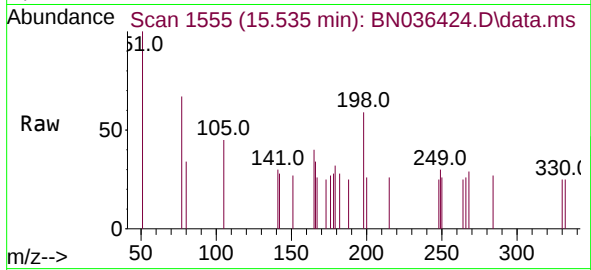
#20
4,6-Dinitro-2-methylphenol
Concen: 0.150 ng m
RT: 15.535 min Scan# 1554
Delta R.T. 0.012 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

Tgt Ion:198 Resp: 208
Ion Ratio Lower Upper
198 100
51 169.4 86.6 129.8
105 75.9 57.5 86.3

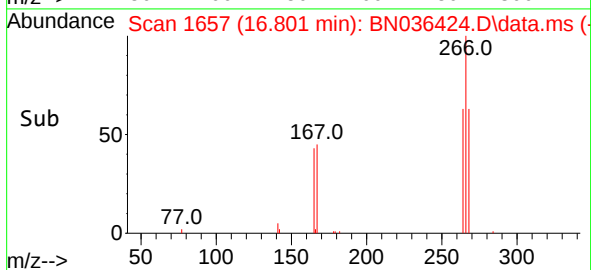
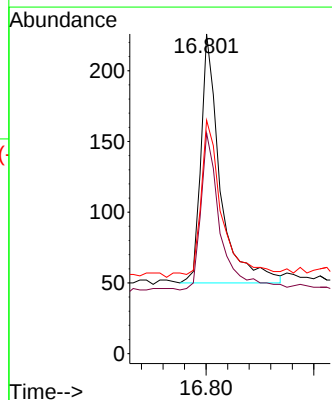
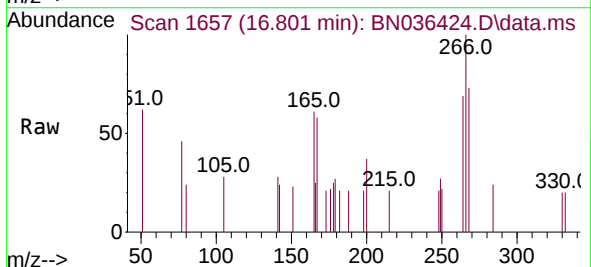
Manual Integrations
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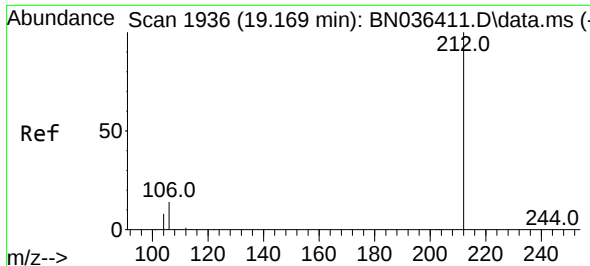
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#24
Pentachlorophenol
Concen: 0.177 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

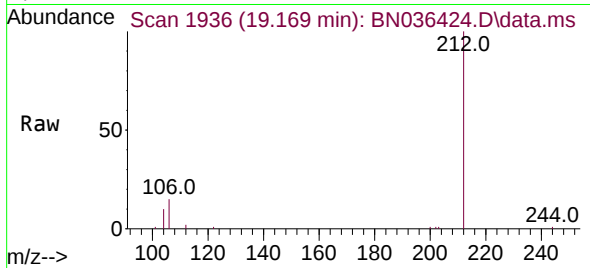
Tgt Ion:266 Resp: 437
Ion Ratio Lower Upper
266 100
264 64.5 50.6 76.0
268 69.6 51.9 77.9





#27
Fluoranthene-d10
Concen: 0.539 ng
RT: 19.169 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28

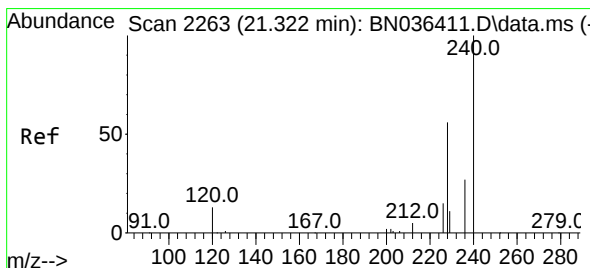
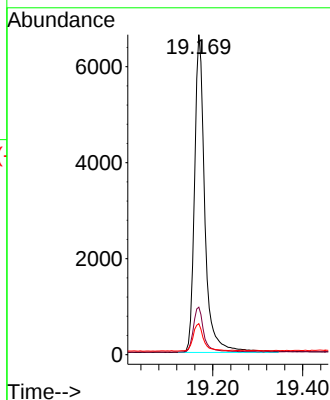
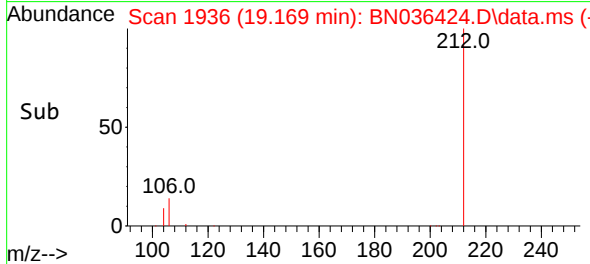
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025



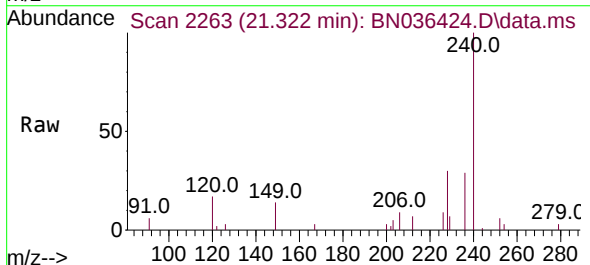
Tgt Ion:212 Resp: 1059
Ion Ratio Lower Upper
212 100
106 14.2 11.5 17.3
104 8.6 7.1 10.7

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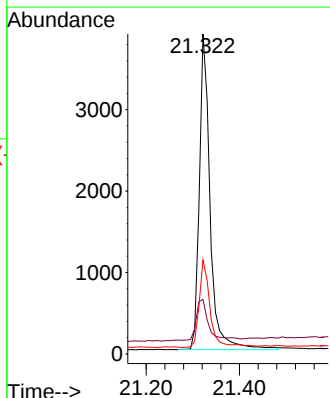
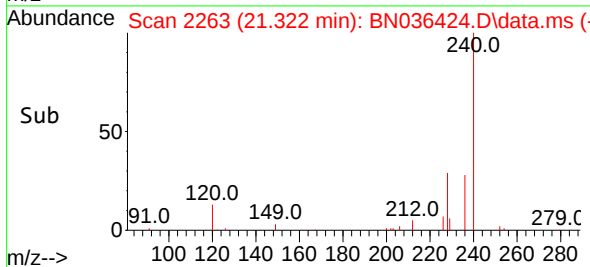
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

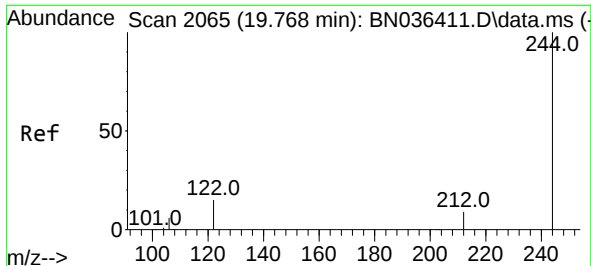


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN036424.D
Acq: 11 Feb 2025 15:28



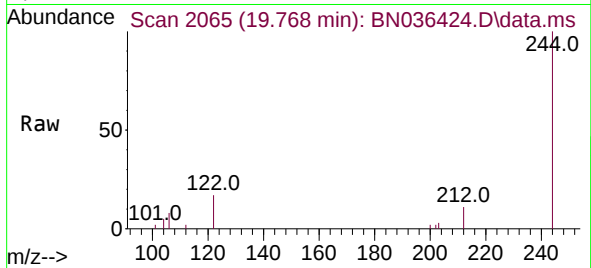
Tgt Ion:240 Resp: 6215
Ion Ratio Lower Upper
240 100
120 17.1 13.3 19.9
236 29.4 23.0 34.6





#31
 Terphenyl-d14
 Concen: 0.332 ng
 RT: 19.768 min Scan# 2065
 Delta R.T. -0.000 min
 Lab File: BN036424.D
 Acq: 11 Feb 2025 15:28

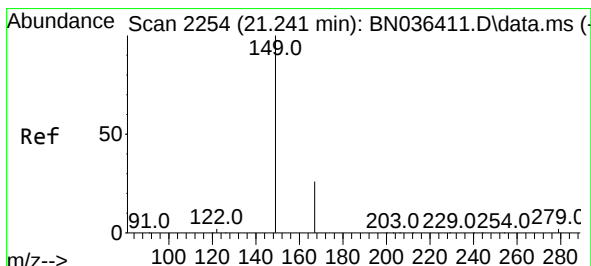
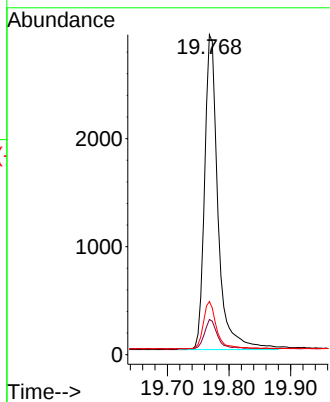
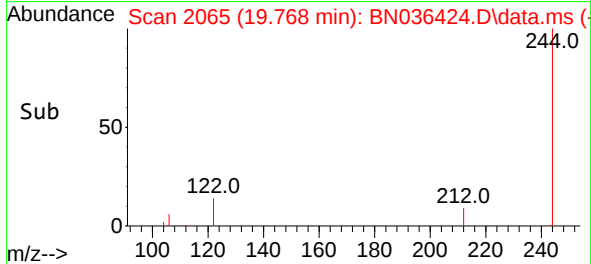
Instrument : BNA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2025



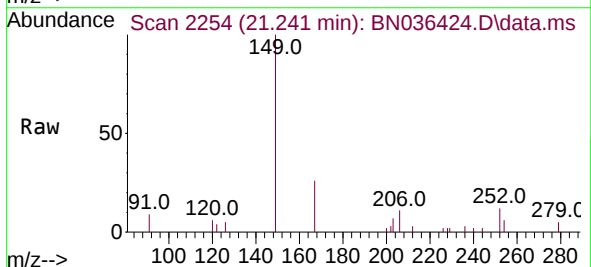
Tgt Ion:244 Resp: 4408
 Ion Ratio Lower Upper
 244 100
 212 11.0 8.1 12.1
 122 16.6 12.8 19.2

Manual Integrations
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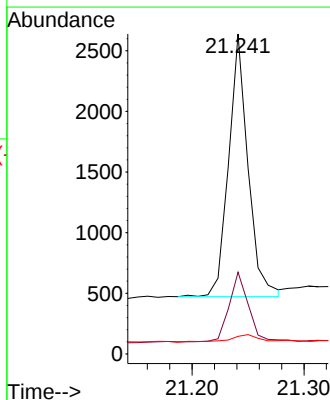
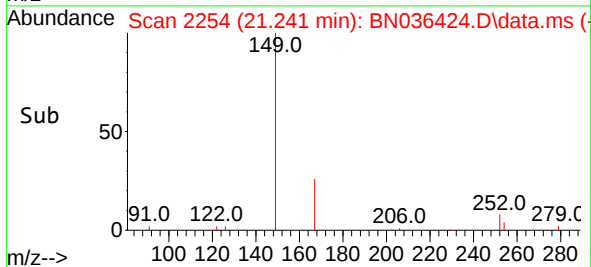
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

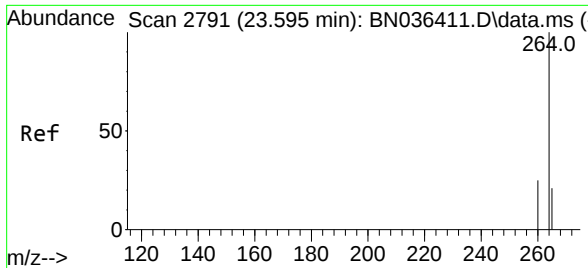


#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.205 ng
 RT: 21.241 min Scan# 2254
 Delta R.T. -0.000 min
 Lab File: BN036424.D
 Acq: 11 Feb 2025 15:28



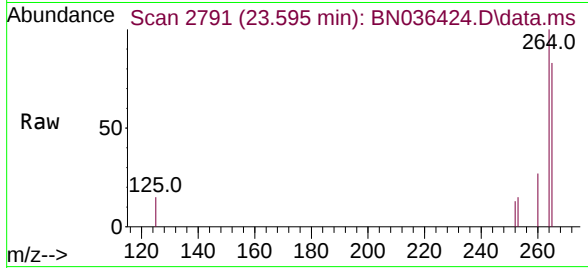
Tgt Ion:149 Resp: 2609
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.2 31.8
 279 4.5 2.7 4.1#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.595 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN036424.D
 Acq: 11 Feb 2025 15:28

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2025



Tgt Ion: 264 Resp: 641

Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.9	31.3
265	83.4	60.7	91.1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

