

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049582.D
 Acq On : 06 Feb 2025 16:24
 Operator : RC/JU
 Sample : Q1168-08
 Misc : LOQ-WATER 10PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 06 18:07:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 11:55:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	204606	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	771302	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	467199	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	872707	20.000	ng	0.00
76) Chrysene-d12	21.445	240	741415	20.000	ng	0.00
86) Perylene-d12	24.474	264	635274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	930966	73.169	ng	0.00
7) Phenol-d6	6.981	99	1233755	74.013	ng	0.00
23) Nitrobenzene-d5	8.981	82	1089171	72.636	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	333094	60.170	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	2521299	69.911	ng	0.00
79) Terphenyl-d14	19.833	244	3721358	76.646	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.599	42	75672	10.880	ng	# 93
9) Benzaldehyde	6.957	77	138515	15.693	ng	98
15) Benzyl Alcohol	8.057	79	103206	8.899	ng	96
20) 3+4-Methylphenols	8.587	107	122934	9.276	ng	98
32) Benzoic acid	9.839	122	20798m	9.781	ng	
35) Caprolactam	11.516	113	25569	7.117	ng	94
41) Hexachlorocyclopentadiene	12.645	237	37105	9.462	ng	100
54) 2,4-Dinitrophenol	14.557	184	6454	9.365	ng	89
56) 4-Nitrophenol	14.651	139	28429	5.705	ng	98
65) 4,6-Dinitro-2-methylph...	15.574	198	11024	9.878	ng	95
70) Pentachlorophenol	16.857	266	30775	11.254	ng	97
77) Benzidine	19.445	184	77508	11.805	ng	98
85) Di-n-octyl phthalate	22.544	149	191934	4.108	ng	# 90

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

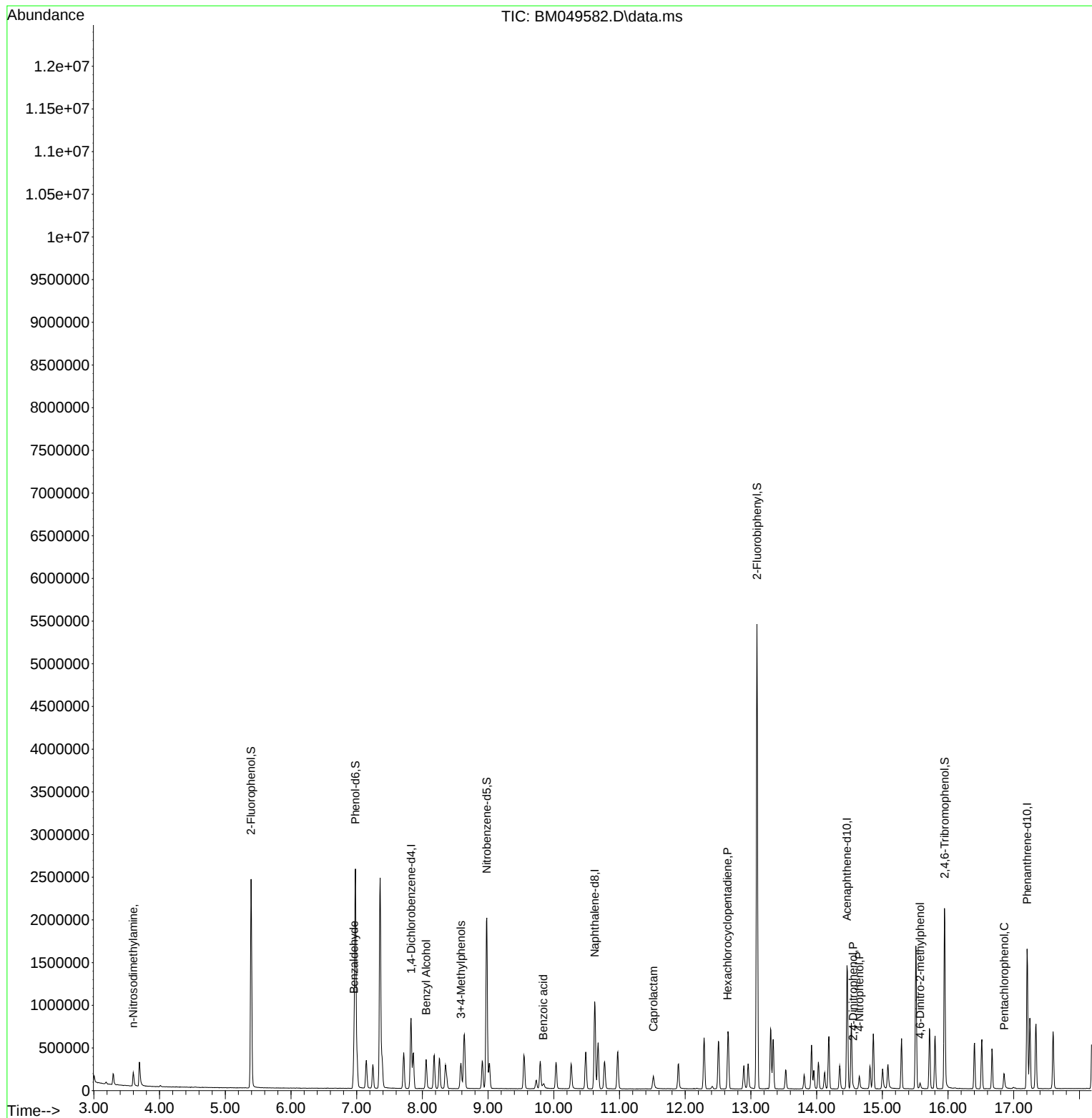
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049582.D
Acq On : 06 Feb 2025 16:24
Operator : RC/JU
Sample : Q1168-08
Misc : LOQ-WATER 10PPM
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 06 18:07:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 11:55:12 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



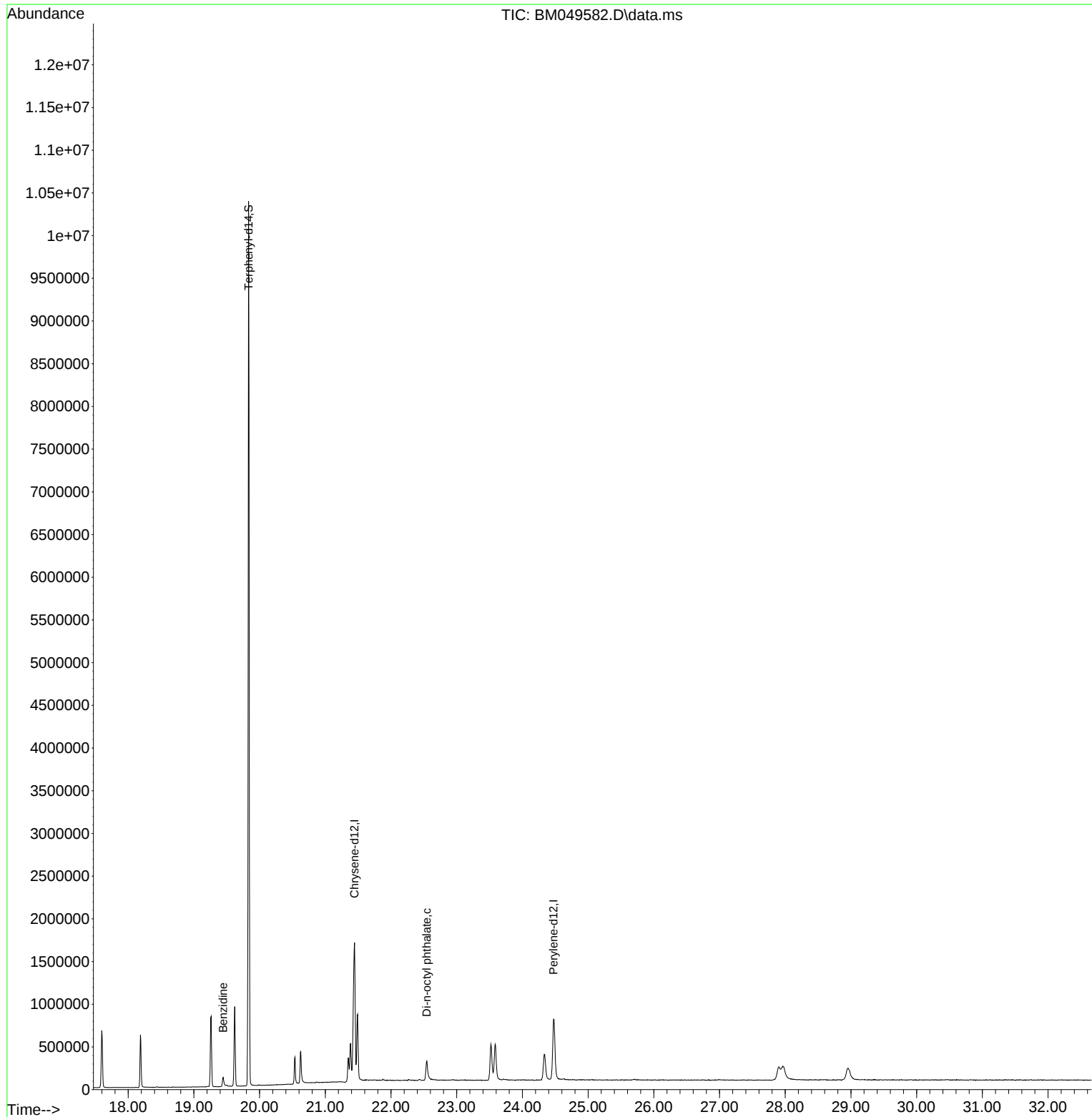
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049582.D
Acq On : 06 Feb 2025 16:24
Operator : RC/JU
Sample : Q1168-08
Misc : LOQ-WATER 10PPM
ALS Vial : 9 Sample Multiplier: 1

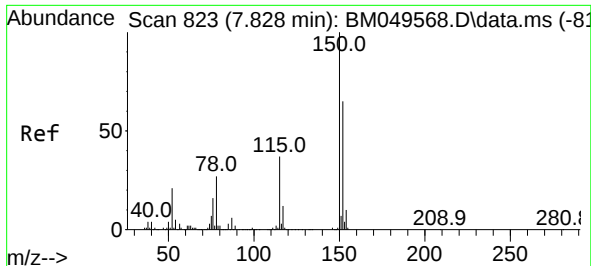
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025

Quant Time: Feb 06 18:07:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 11:55:12 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

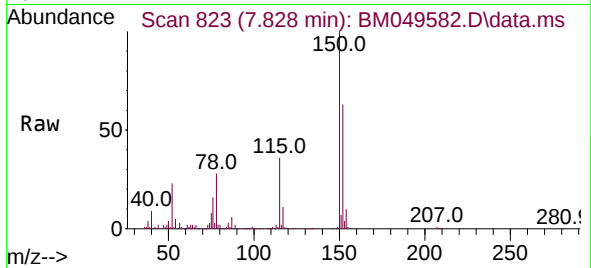
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

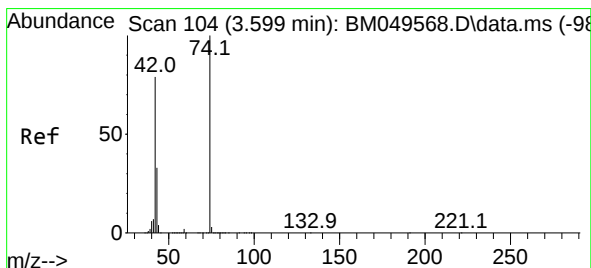
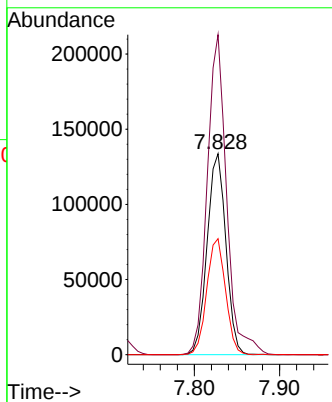
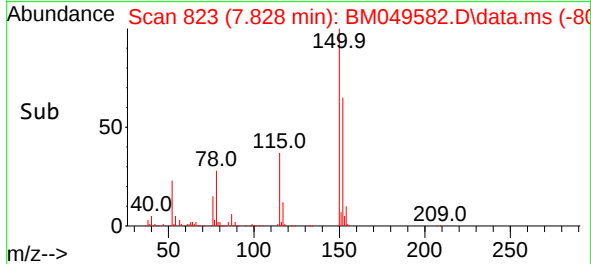
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:152 Resp: 204600
Ion Ratio Lower Upper
152 100
150 159.2 122.6 184.0
115 57.7 45.4 68.0

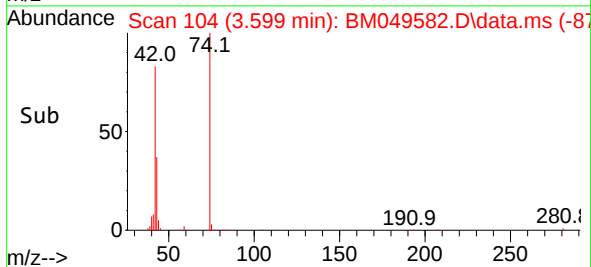
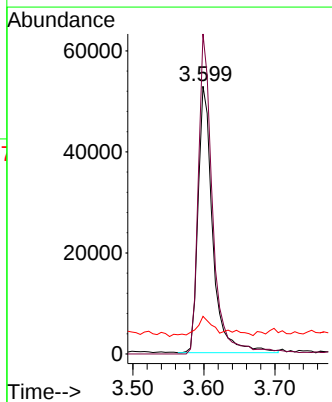
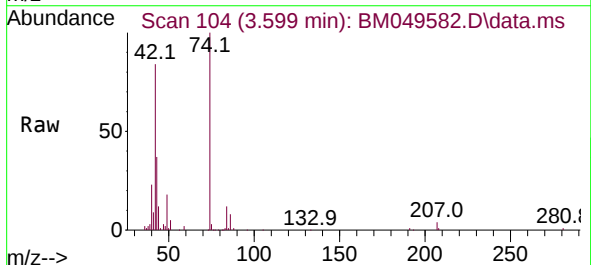
Manual Integrations
APPROVED

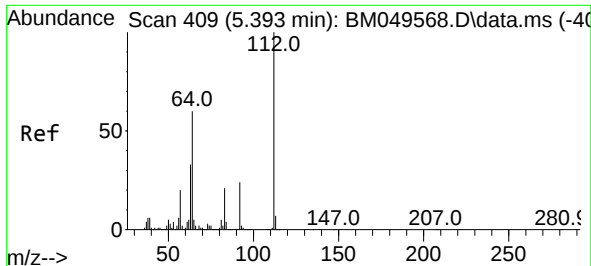
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#4
n-Nitrosodimethylamine
Concen: 10.880 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

Tgt Ion: 42 Resp: 75672
Ion Ratio Lower Upper
42 100
74 119.6 101.3 151.9
44 14.1 6.5 9.7#





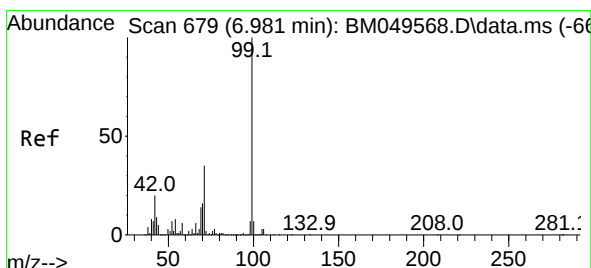
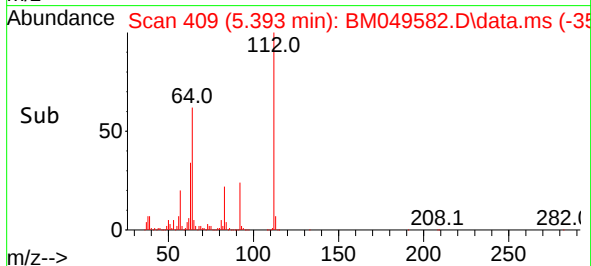
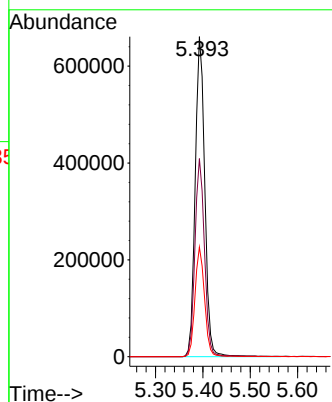
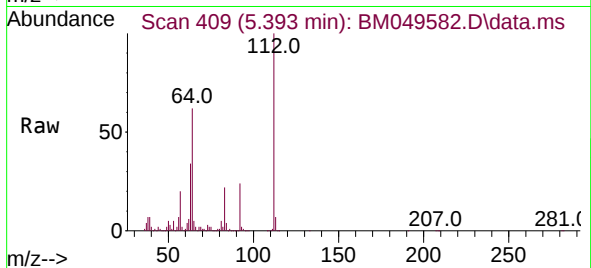
#5
2-Fluorophenol
Concen: 73.169 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

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

Tgt Ion: 112 Resp: 930960
Ion Ratio Lower Upper
112 100
64 61.9 47.8 71.8
63 34.2 26.2 39.4

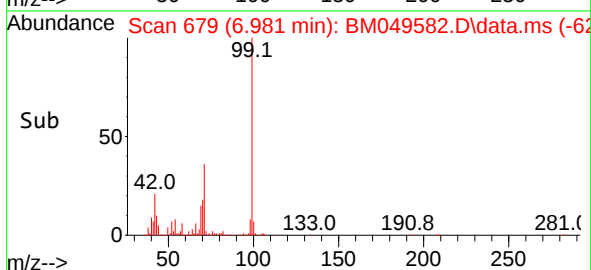
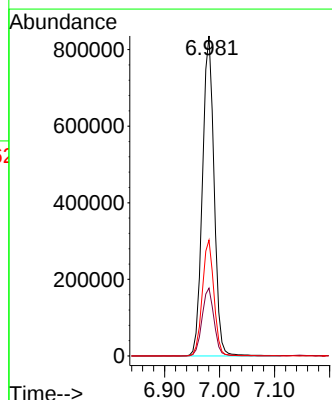
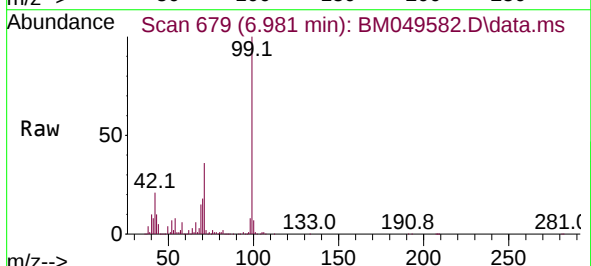
Manual Integrations
APPROVED

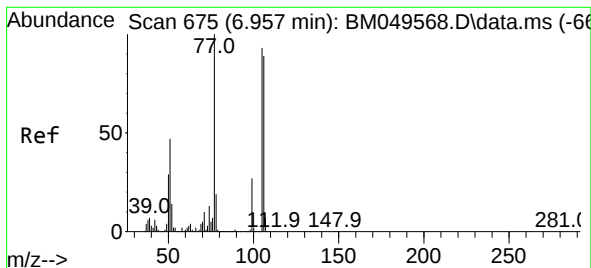
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#7
Phenol-d6
Concen: 74.013 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

Tgt Ion: 99 Resp: 1233755
Ion Ratio Lower Upper
99 100
42 21.2 16.0 24.0
71 36.2 27.8 41.6





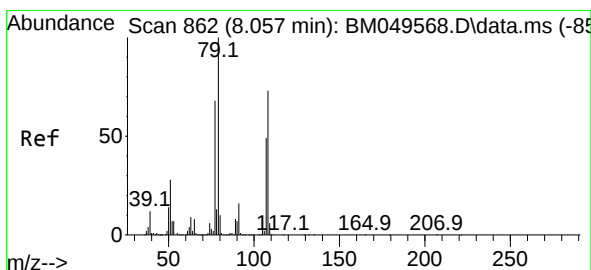
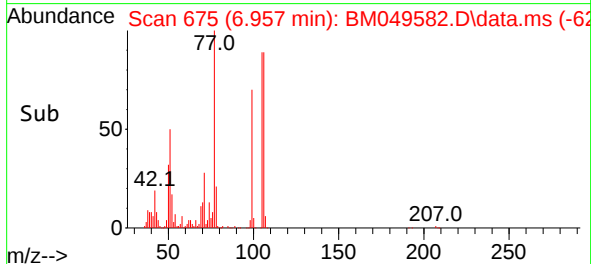
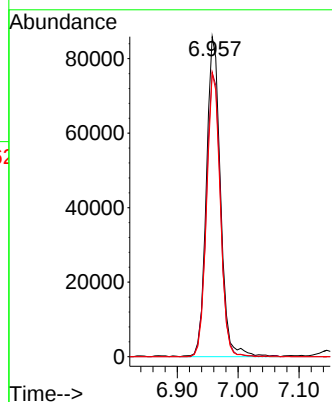
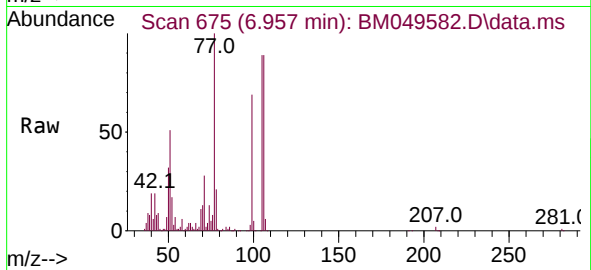
#9
Benzaldehyde
Concen: 15.693 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

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

Tgt Ion: 77 Resp: 13851
Ion Ratio Lower Upper
77 100
105 88.8 72.7 112.7
106 88.7 68.9 108.9

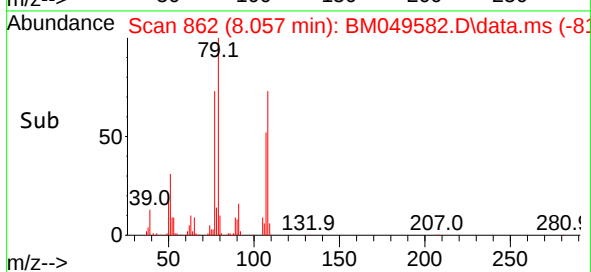
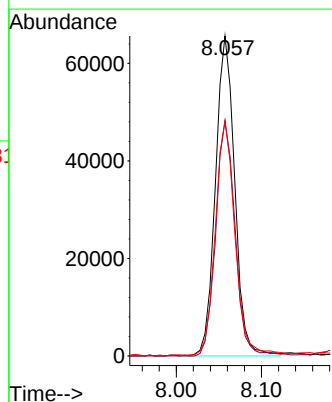
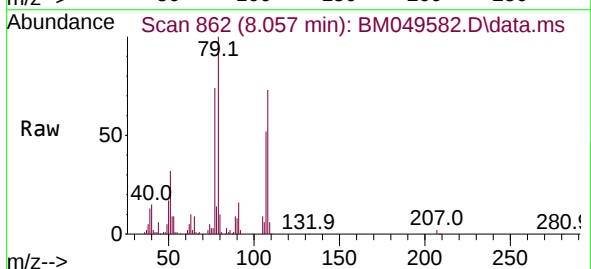
Manual Integrations
APPROVED

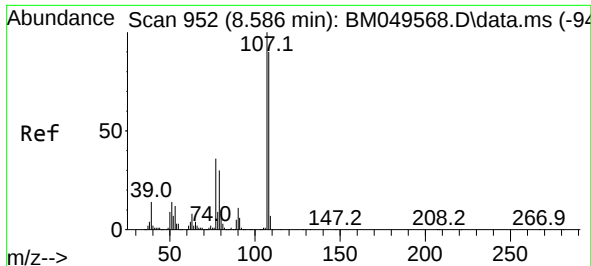
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#15
Benzyl Alcohol
Concen: 8.899 ng
RT: 8.057 min Scan# 862
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

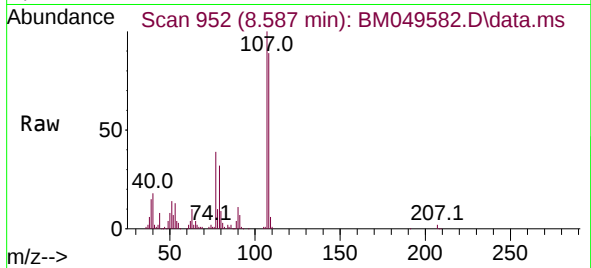
Tgt Ion: 79 Resp: 103206
Ion Ratio Lower Upper
79 100
108 73.4 58.6 88.0
77 73.5 54.0 81.0





#20
3+4-Methylphenols
Concen: 9.276 ng
RT: 8.587 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

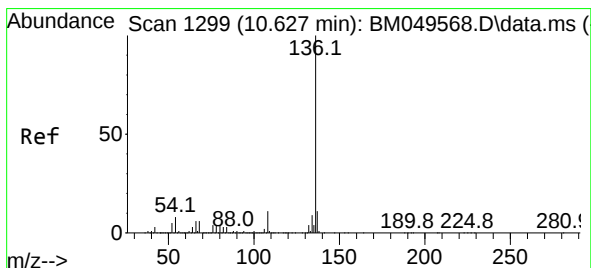
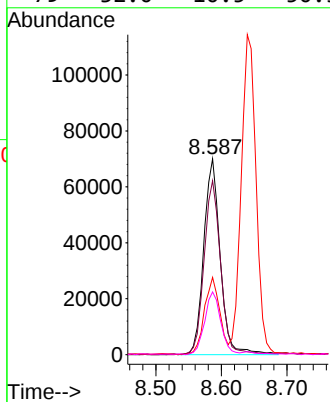
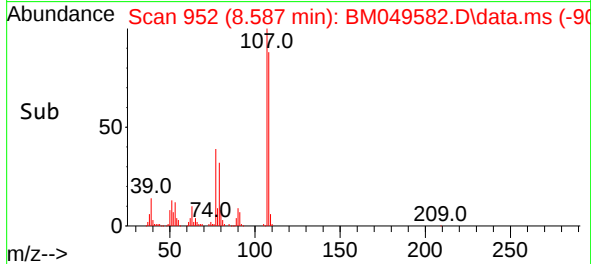
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



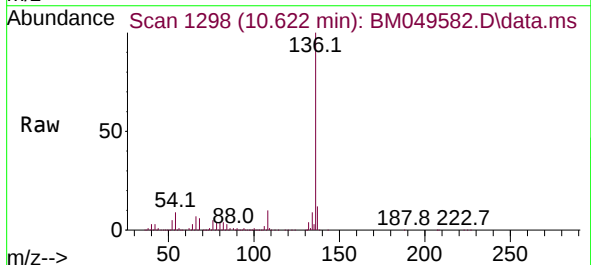
Tgt Ion:107 Resp: 122934
Ion Ratio Lower Upper
107 100
108 88.8 69.6 109.6
77 39.5 16.0 56.0
79 32.0 10.5 50.5

Manual Integrations
APPROVED

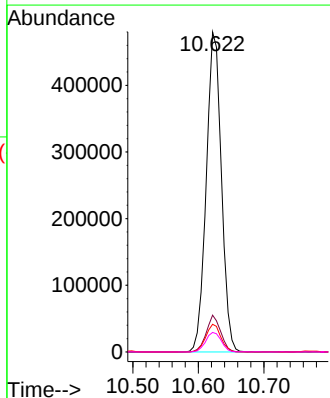
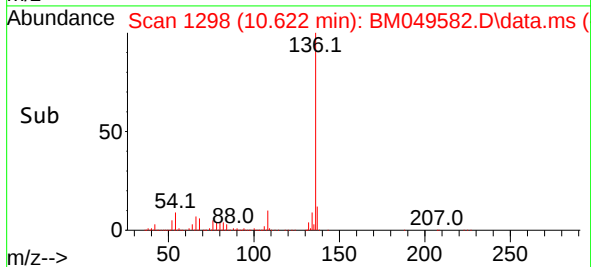
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

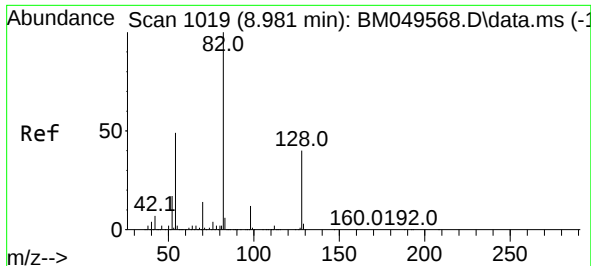


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24



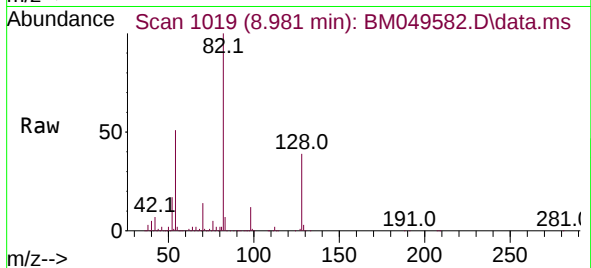
Tgt Ion:136 Resp: 771302
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.7 6.6 10.0
68 6.1 4.8 7.2





#23
Nitrobenzene-d5
Concen: 72.636 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

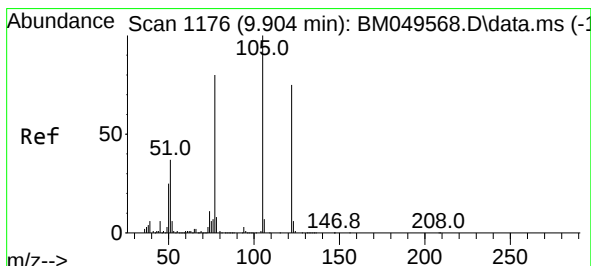
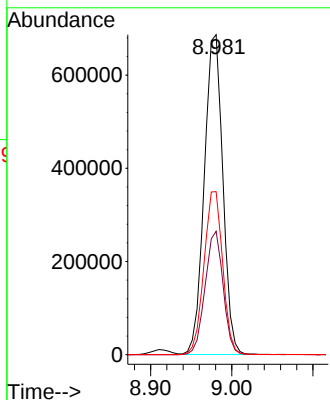
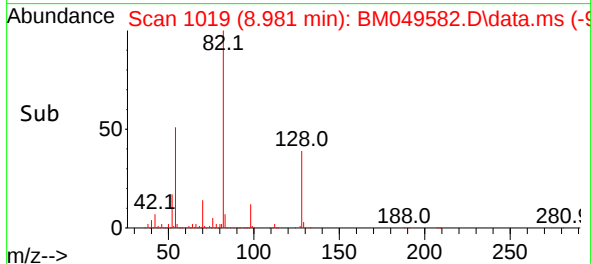
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion: 82 Resp: 108917
Ion Ratio Lower Upper
82 100
128 38.6 31.6 47.4
54 51.0 39.4 59.0

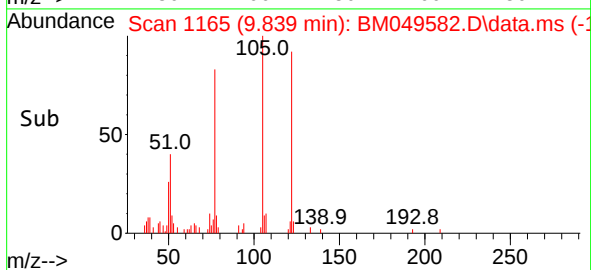
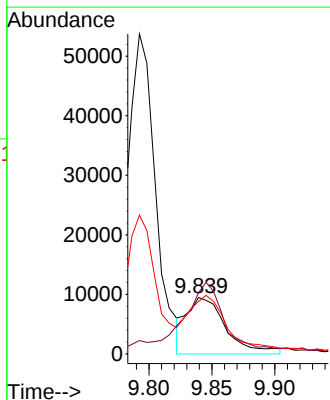
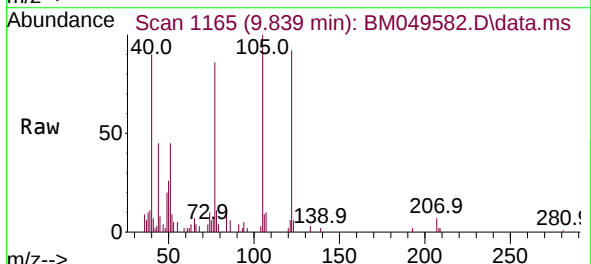
Manual Integrations
APPROVED

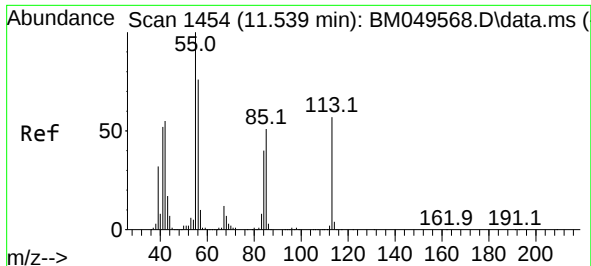
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#32
Benzoic acid
Concen: 9.781 ng m
RT: 9.839 min Scan# 1165
Delta R.T. -0.065 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

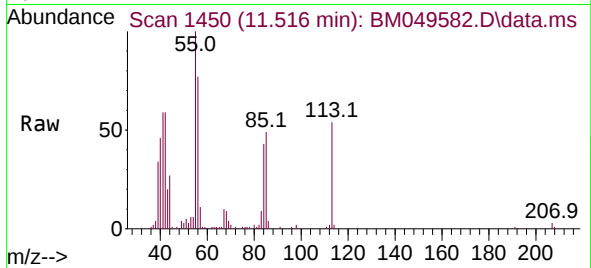
Tgt Ion:122 Resp: 20798
Ion Ratio Lower Upper
122 100
105 108.6 103.6 143.6
77 93.1 82.4 122.4





#35
Caprolactam
Concen: 7.117 ng
RT: 11.516 min Scan# 1454
Delta R.T. -0.023 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

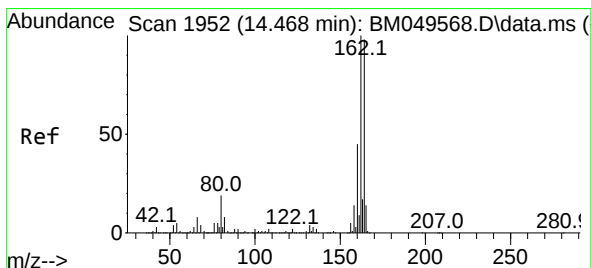
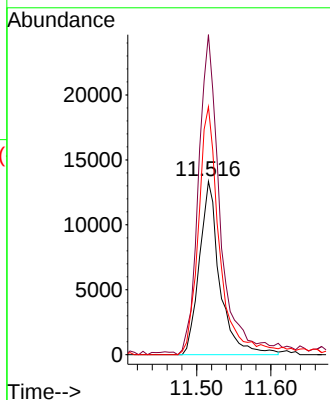
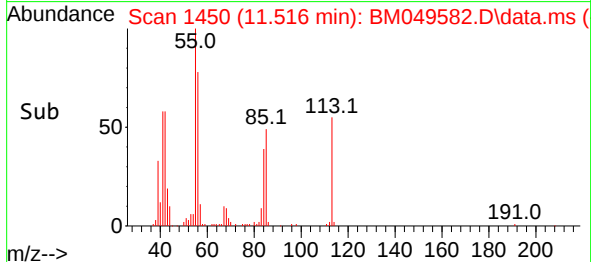
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:113 Resp: 25569
Ion Ratio Lower Upper
113 100
55 184.6 157.5 197.5
56 143.0 114.6 154.6

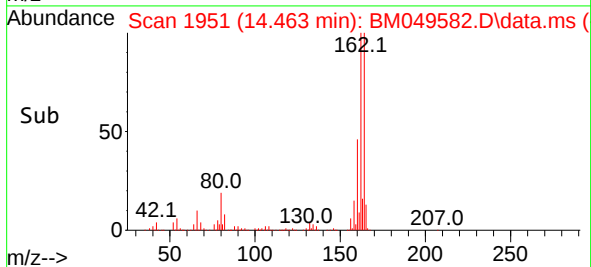
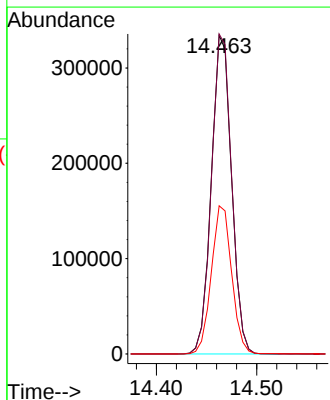
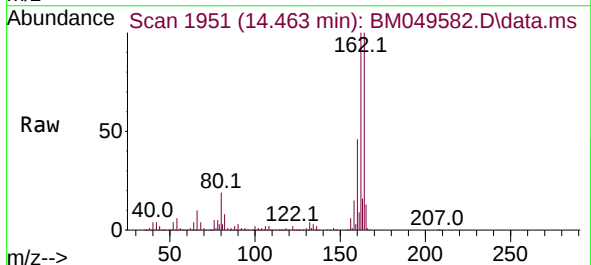
Manual Integrations
APPROVED

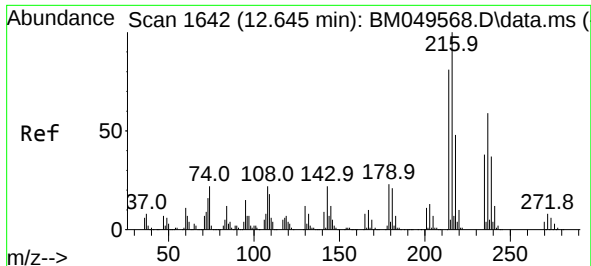
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

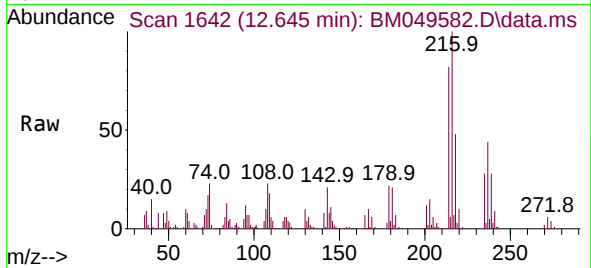
Tgt Ion:164 Resp: 467199
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 46.5 36.2 54.4





#41
Hexachlorocyclopentadiene
Concen: 9.462 ng
RT: 12.645 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

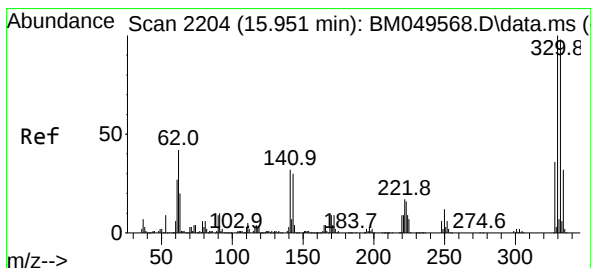
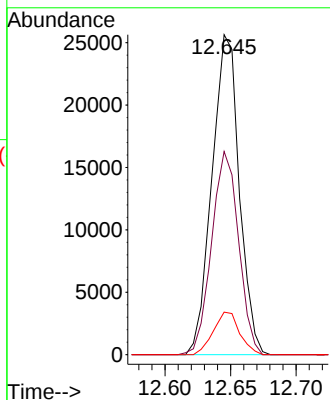
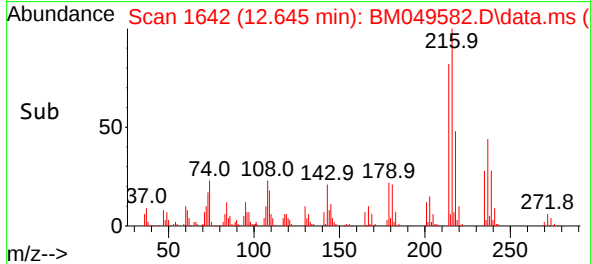
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



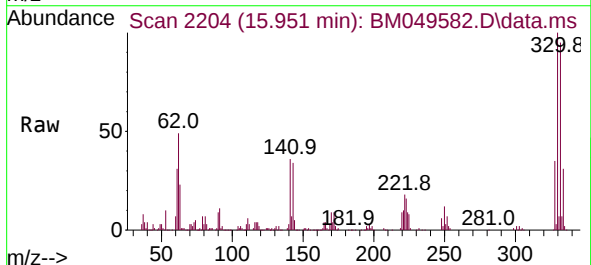
Tgt Ion: 237 Resp: 3710
Ion Ratio Lower Upper
237 100
235 63.5 43.8 83.8
272 13.3 0.0 33.5

Manual Integrations
APPROVED

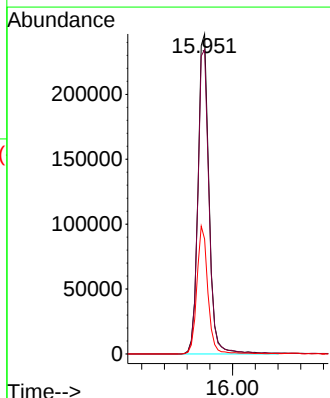
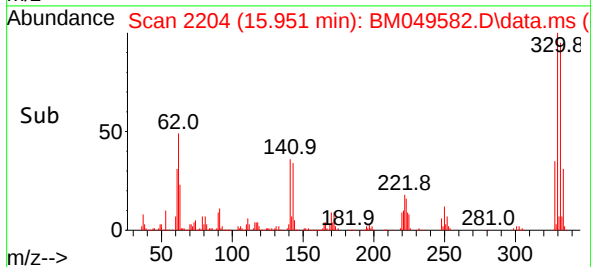
Reviewed By : Jagrut Upadhyay 02/07/2025
Supervised By : mohammad ahmed 02/07/2025

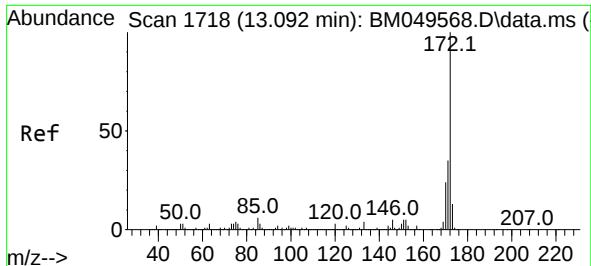


#42
2,4,6-Tribromophenol
Concen: 60.170 ng
RT: 15.951 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24



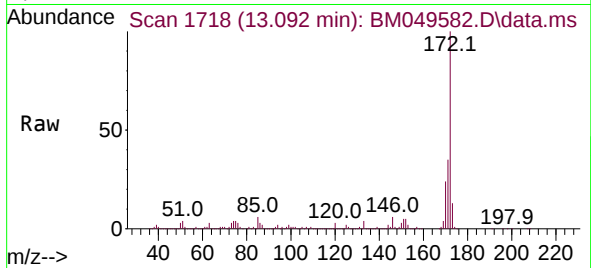
Tgt Ion: 330 Resp: 333094
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 40.0 28.2 42.2





#45
2-Fluorobiphenyl
Concen: 69.911 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

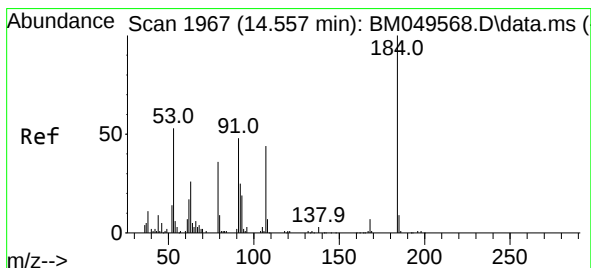
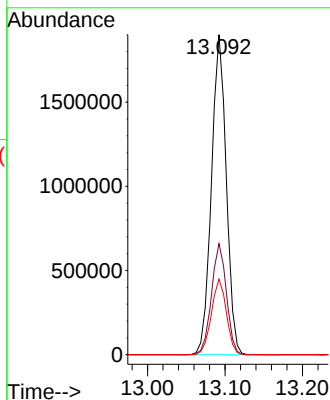
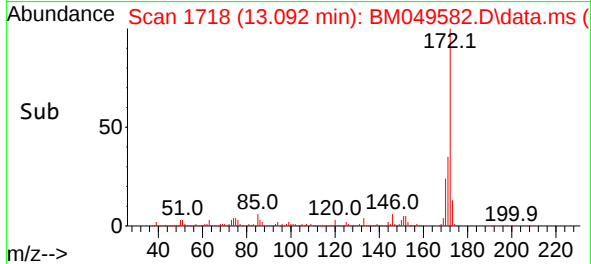
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:172 Resp: 2521299
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.6 19.0 28.4

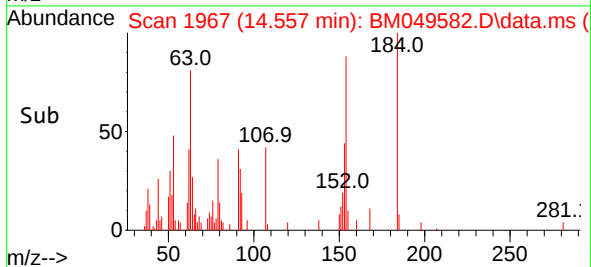
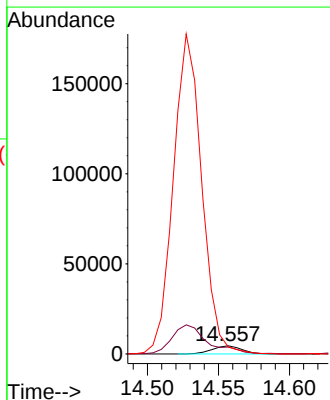
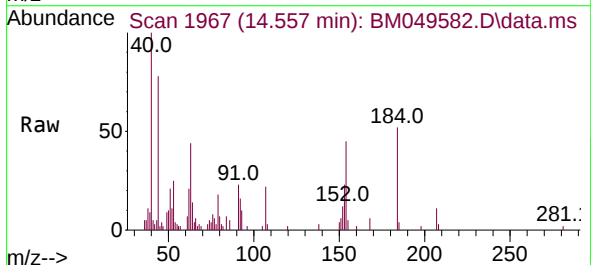
Manual Integrations
APPROVED

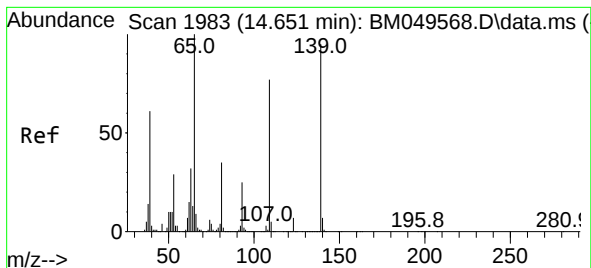
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#54
2,4-Dinitrophenol
Concen: 9.365 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

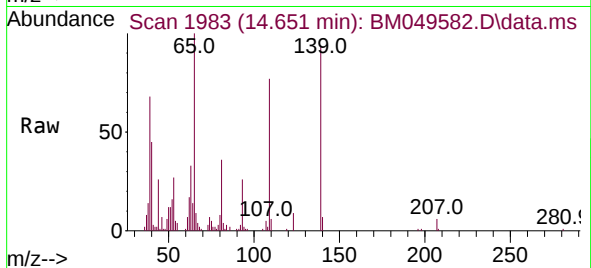
Tgt Ion:184 Resp: 6454
Ion Ratio Lower Upper
184 100
63 84.8 60.2 90.4
154 87.9 78.2 117.4





#56
4-Nitrophenol
Concen: 5.705 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

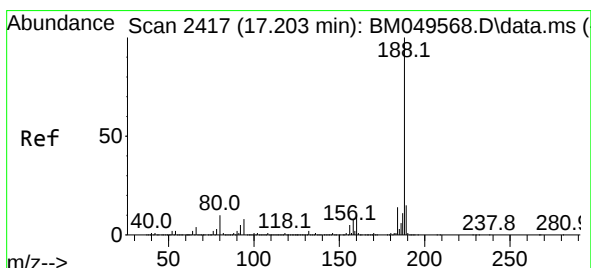
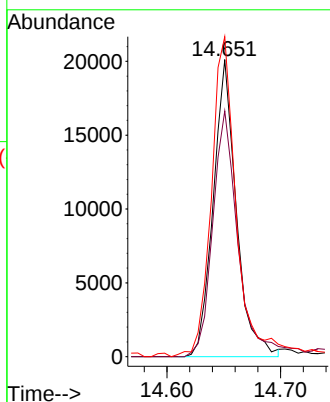
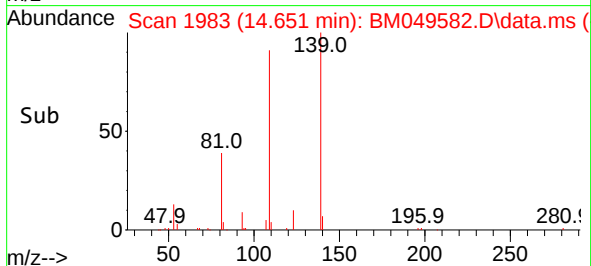
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



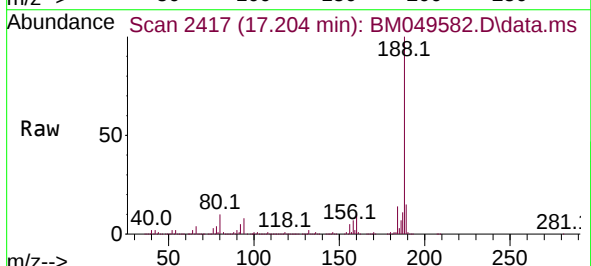
Tgt Ion:139 Resp: 28429
Ion Ratio Lower Upper
139 100
109 82.7 61.4 101.4
65 107.7 85.6 125.6

Manual Integrations
APPROVED

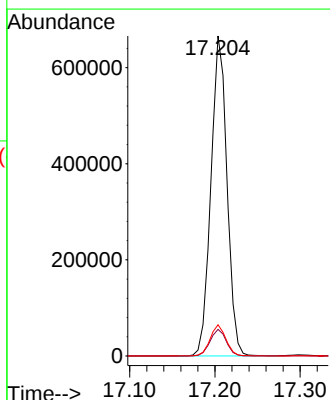
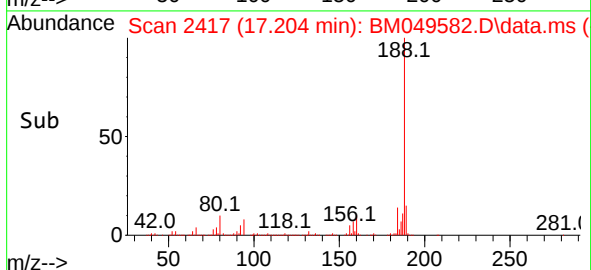
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

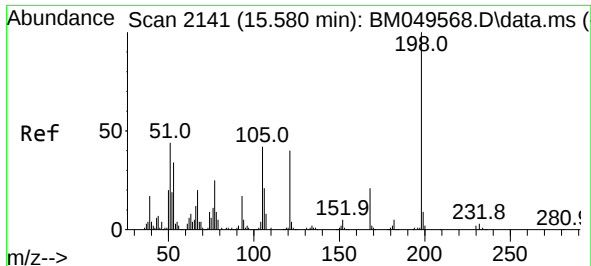


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24



Tgt Ion:188 Resp: 872707
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 9.7 7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 9.878 ng

RT: 15.574 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BM049582.D

Acq: 06 Feb 2025 16:24

Instrument :

BNA_M

ClientSampleId :

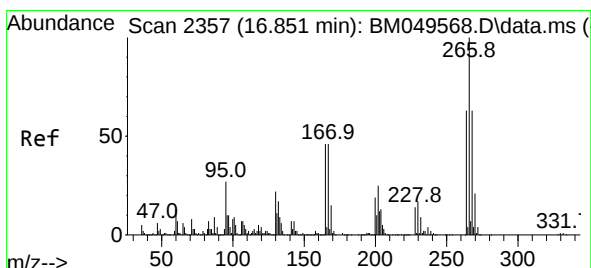
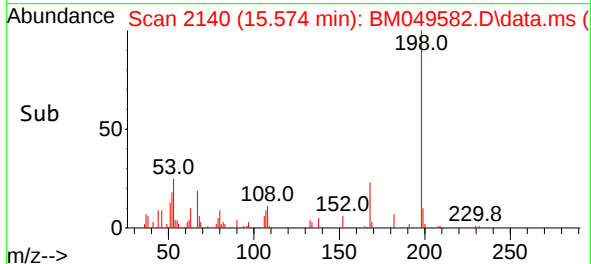
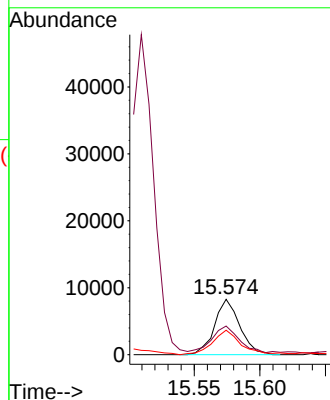
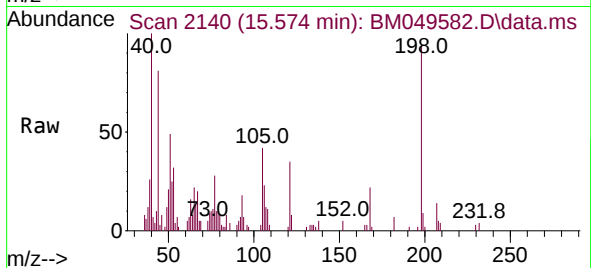
LOQ-WATER-02-QT1-2025

Tgt Ion:198	Resp:	11024
Ion Ratio	Lower	Upper
198	100	
51	51.8	26.9 66.9
105	44.2	22.8 62.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#70

Pentachlorophenol

Concen: 11.254 ng

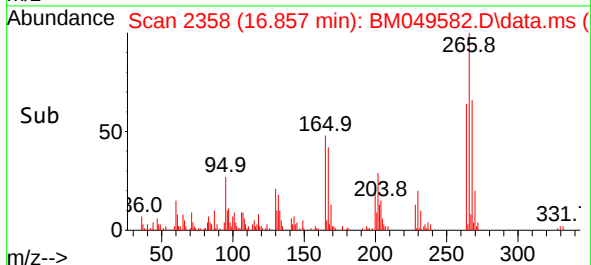
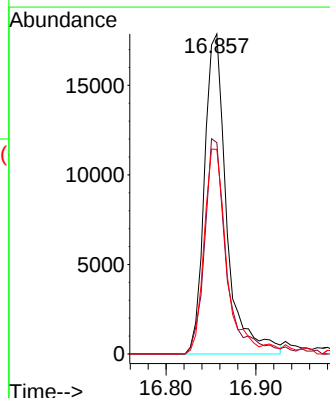
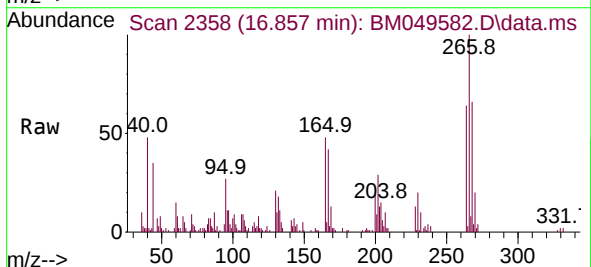
RT: 16.857 min Scan# 2358

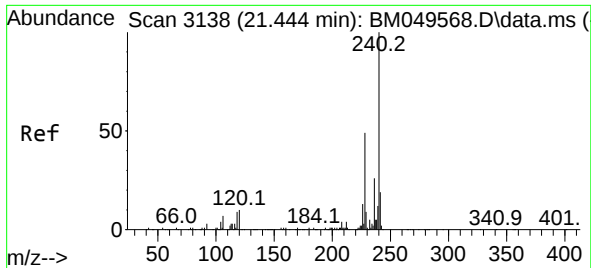
Delta R.T. 0.006 min

Lab File: BM049582.D

Acq: 06 Feb 2025 16:24

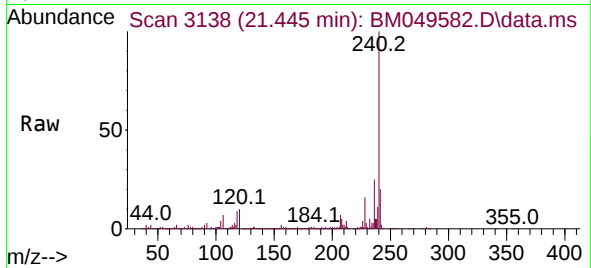
Tgt Ion:266	Resp:	30775
Ion Ratio	Lower	Upper
266	100	
268	66.1	50.8 76.2
264	63.9	50.0 75.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

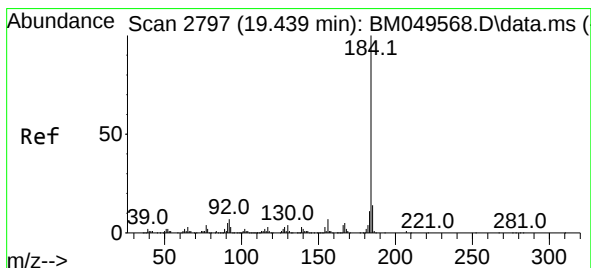
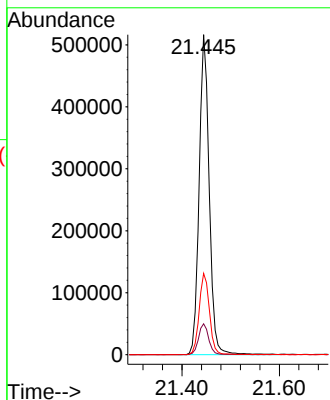
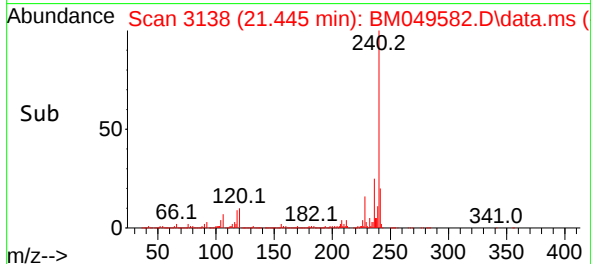
Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT1-2025



Tgt Ion:240 Resp: 741415
Ion Ratio Lower Upper
240 100
120 9.7 7.8 11.8
236 25.4 20.6 31.0

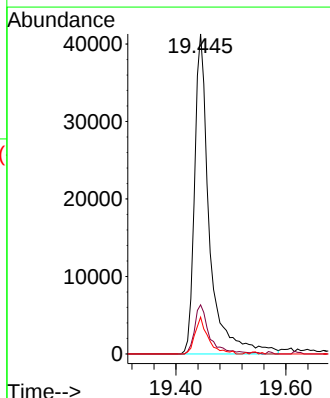
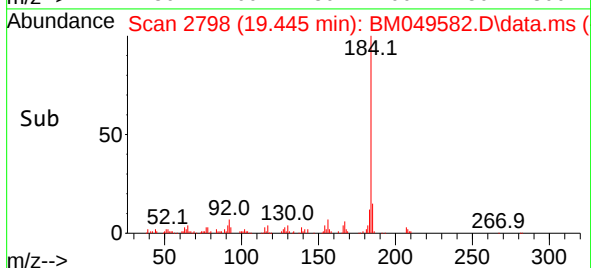
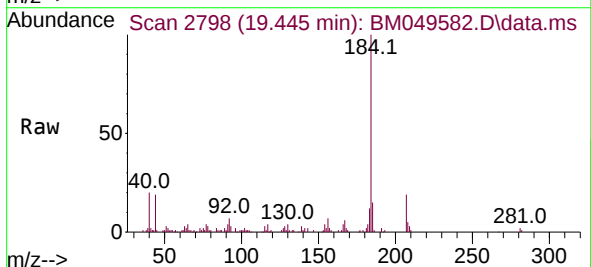
Manual Integrations
APPROVED

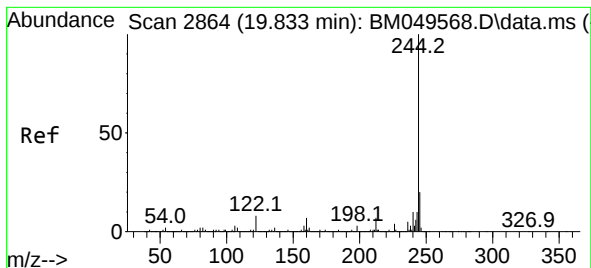
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#77
Benzidine
Concen: 11.805 ng
RT: 19.445 min Scan# 2798
Delta R.T. 0.006 min
Lab File: BM049582.D
Acq: 06 Feb 2025 16:24

Tgt Ion:184 Resp: 77508
Ion Ratio Lower Upper
184 100
185 15.3 11.6 17.4
183 11.5 8.9 13.3





#79

Terphenyl-d14

Concen: 76.646 ng

RT: 19.833 min Scan# 2864

Delta R.T. 0.000 min

Lab File: BM049582.D

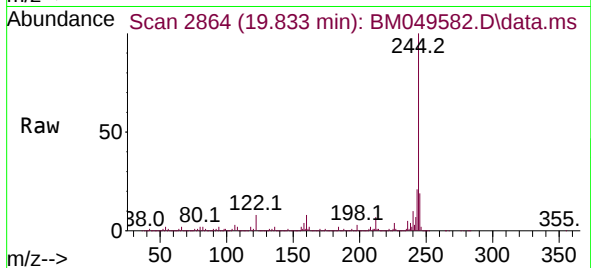
Acq: 06 Feb 2025 16:24

Instrument :

BNA_M

ClientSampleId :

LOQ-WATER-02-QT1-2025



Tgt Ion:244 Resp: 3721358

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

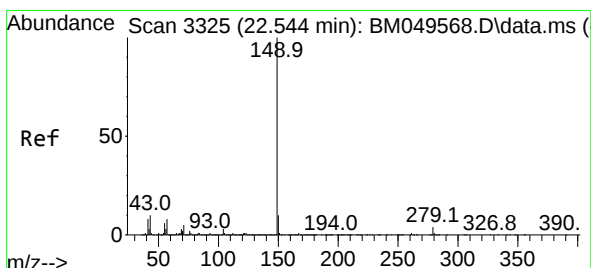
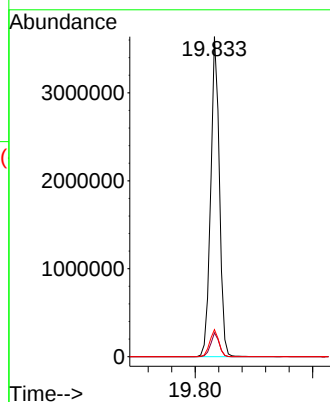
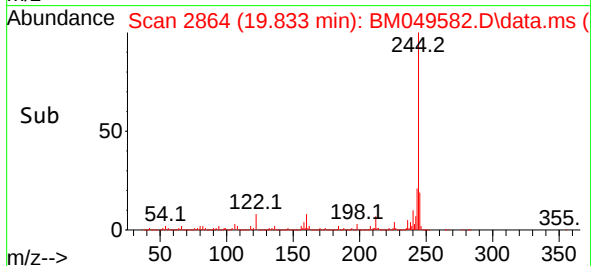
122 8.5 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#85

Di-n-octyl phthalate

Concen: 4.108 ng

RT: 22.544 min Scan# 3325

Delta R.T. 0.000 min

Lab File: BM049582.D

Acq: 06 Feb 2025 16:24

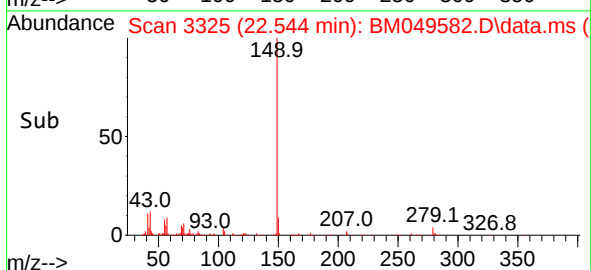
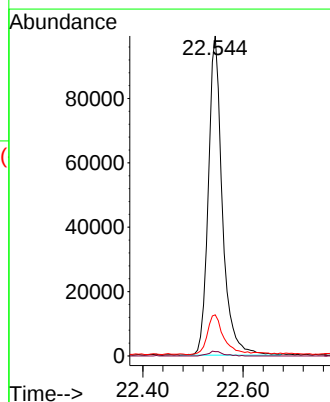
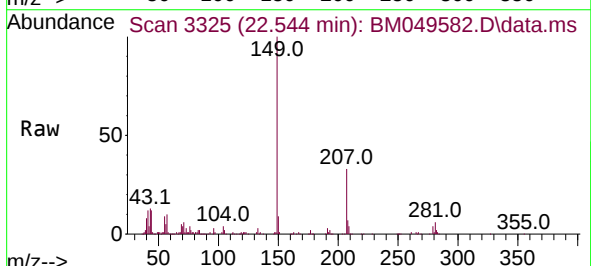
Tgt Ion:149 Resp: 191934

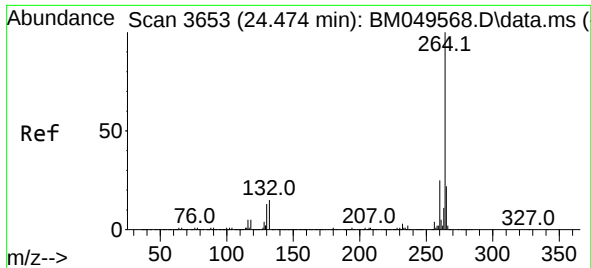
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

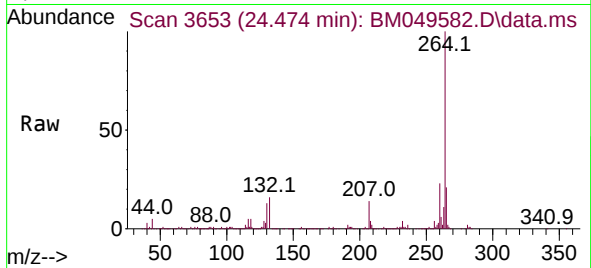
43 15.1 8.5 12.7#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.474 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BM049582.D
 Acq: 06 Feb 2025 16:24

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



Tgt Ion:264 Resp: 635274
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.8 29.6
 265 21.1 17.5 26.3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

