

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144481.D
 Acq On : 15 Dec 2025 18:35
 Operator : RC/JU
 Sample : Q3530-08
 Misc : LOQ-WATER-10NG
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 16 00:32:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 16 00:30:55 2025
 Response via : Initial Calibration

Manual Integrations
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Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	238768	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	927051	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	493417	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	820197	20.000	ng	0.00
76) Chrysene-d12	13.939	240	617655	20.000	ng	0.00
86) Perylene-d12	15.374	264	442775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1710579	108.022	ng	0.00
7) Phenol-d6	6.416	99	2162657	109.492	ng	0.00
23) Nitrobenzene-d5	7.357	82	1403632	94.748	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	579112	129.818	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2415225	75.091	ng	0.00
79) Terphenyl-d14	12.898	244	2749255	70.274	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.151	42	81526	8.959	ng	98
9) Benzaldehyde	6.345	77	137047	8.863	ng	97
15) Benzyl Alcohol	6.928	79	136859	9.401	ng	99
20) 3+4-Methylphenols	7.186	107	171867	9.774	ng	# 85
32) Benzoic acid	7.781	122	58924m	6.959	ng	
35) Caprolactam	8.475	113	38317	8.754	ng	98
41) Hexachlorocyclopentadiene	8.939	237	47180	5.677	ng	99
54) 2,4-Dinitrophenol	9.875	184	17546	8.235	ng	# 35
56) 4-Nitrophenol	9.916	139	55994	9.865	ng	99
65) 4,6-Dinitro-2-methylph...	10.410	198	30114	9.347	ng	99
70) Pentachlorophenol	11.110	266	55181	9.153	ng	100
77) Benzidine	12.639	184	127285	5.788	ng	97
82) 3,3'-Dichlorobenzidine	13.898	252	114449	9.286	ng	99
85) Di-n-octyl phthalate	14.545	149	197753	6.731	ng	99

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

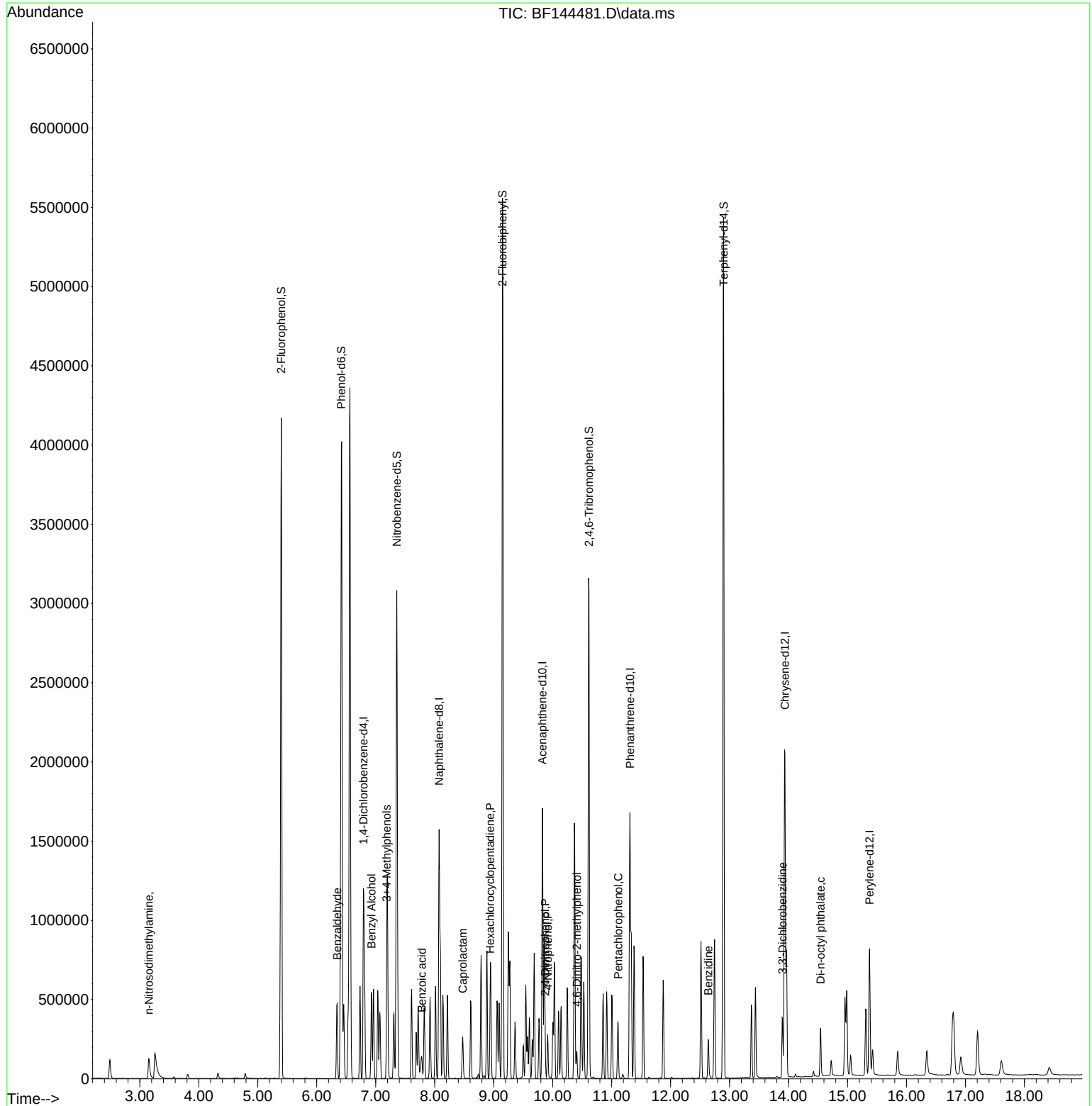
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
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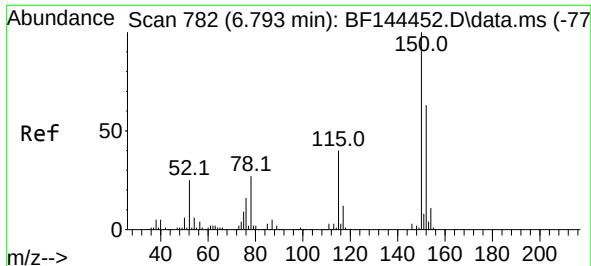
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2025

Quant Time: Dec 16 00:32:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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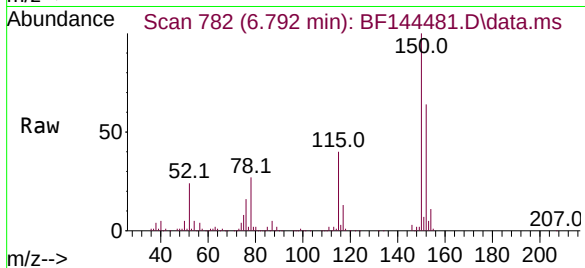
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 782
Delta R.T. -0.001 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

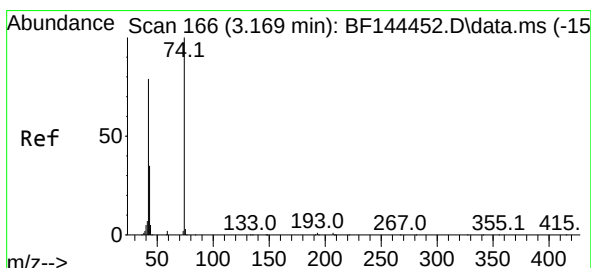
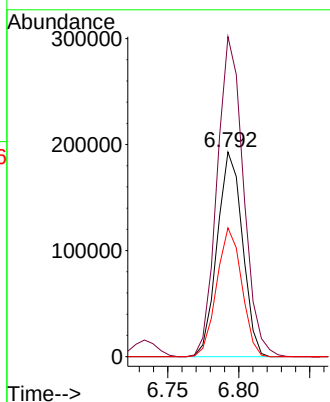
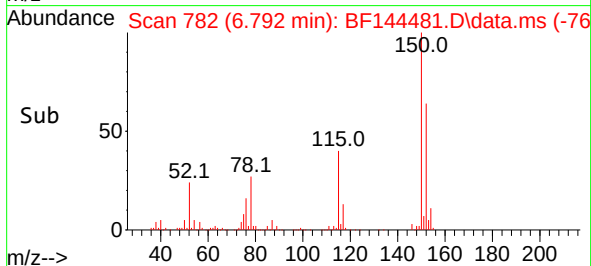
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:152 Resp: 238768
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.2
115 62.9 51.4 77.0

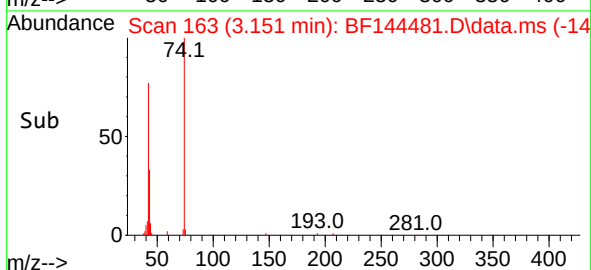
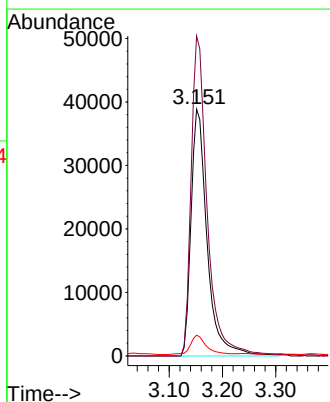
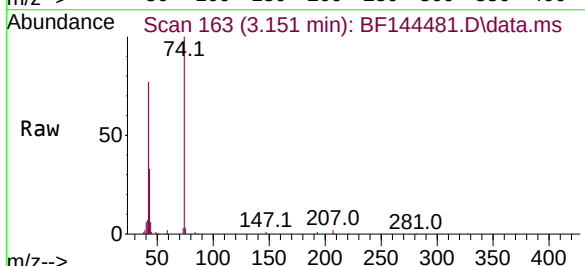
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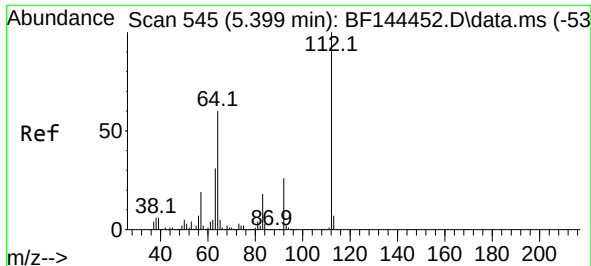
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Supervised By :Jagrut Upadhyay 12/16/2025



#4
n-Nitrosodimethylamine
Concen: 8.959 ng
RT: 3.151 min Scan# 163
Delta R.T. -0.018 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

Tgt Ion: 42 Resp: 81526
Ion Ratio Lower Upper
42 100
74 129.6 101.8 152.8
44 8.4 5.7 8.5





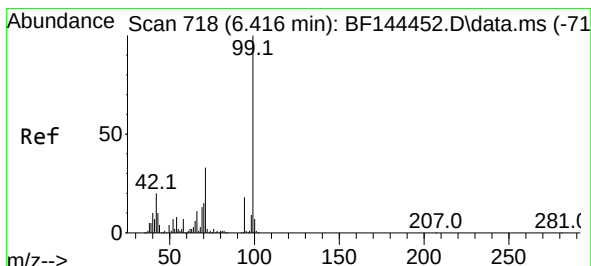
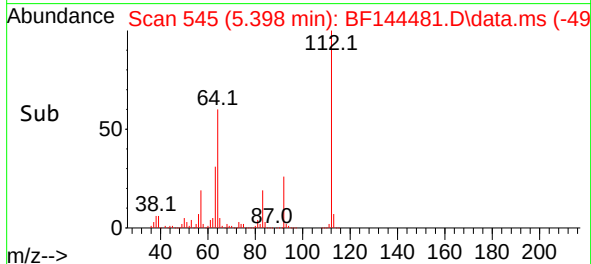
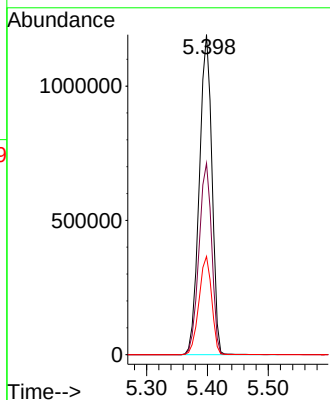
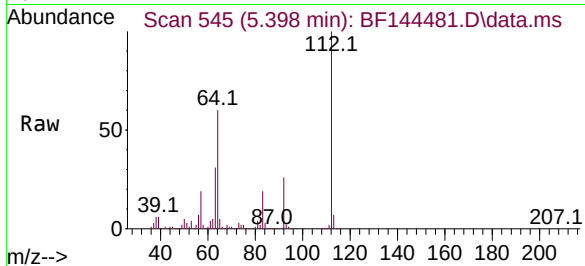
#5
2-Fluorophenol
Concen: 108.022 ng
RT: 5.398 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

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

Tgt Ion:112 Resp: 1710579
Ion Ratio Lower Upper
112 100
64 59.8 47.8 71.6
63 30.7 24.6 37.0

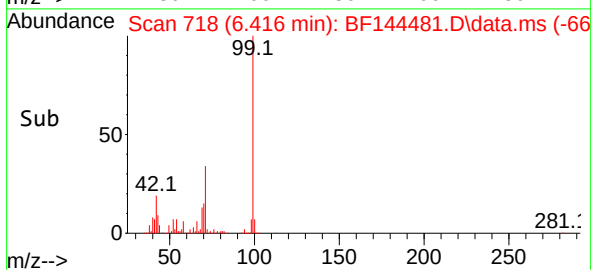
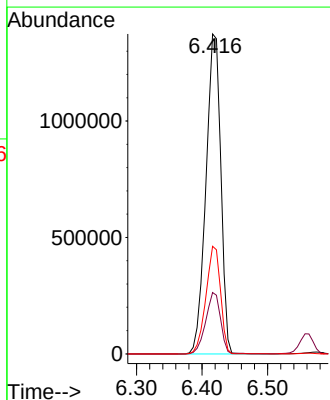
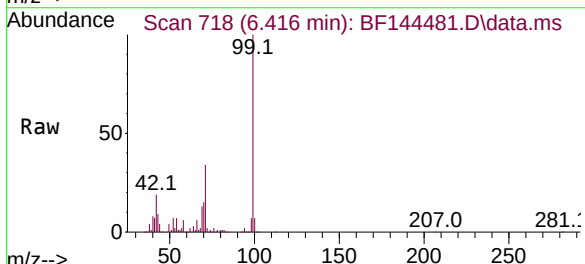
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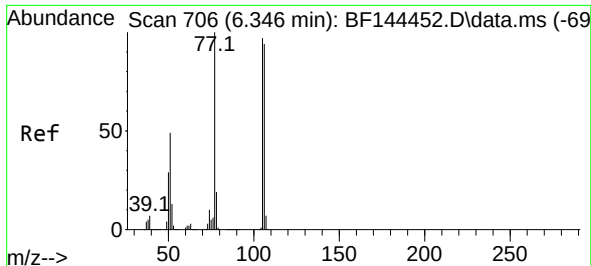
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Supervised By :Jagrut Upadhyay 12/16/2025



#7
Phenol-d6
Concen: 109.492 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

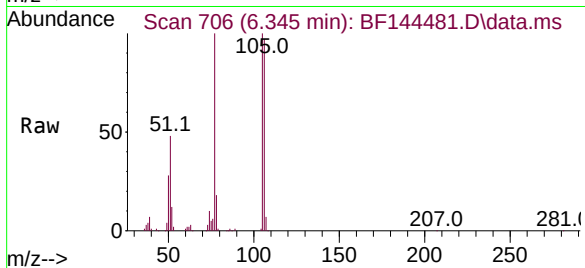
Tgt Ion: 99 Resp: 2162657
Ion Ratio Lower Upper
99 100
42 19.2 15.7 23.5
71 33.6 26.4 39.6





#9
Benzaldehyde
Concen: 8.863 ng
RT: 6.345 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

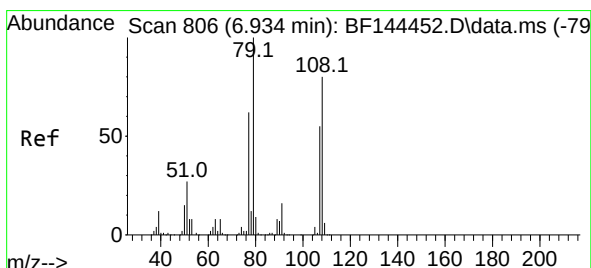
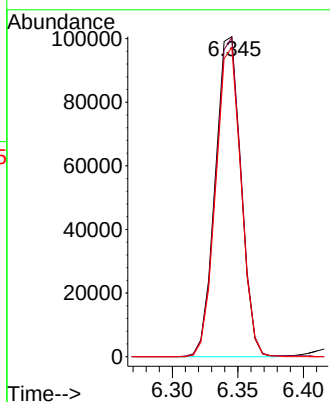
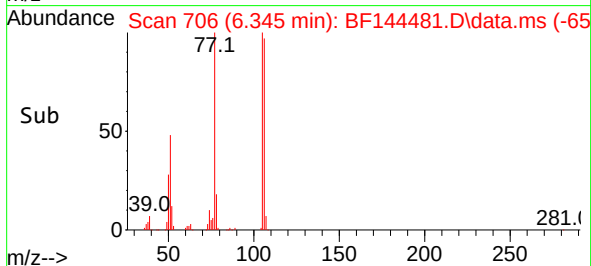
Instrument : BNA_F
ClientSampleId :
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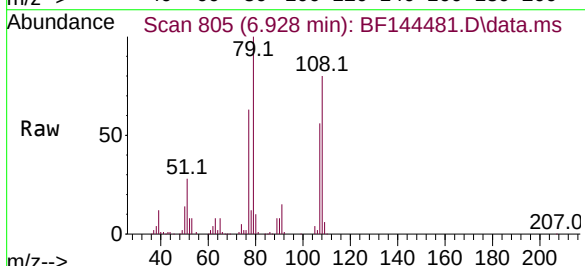
Tgt Ion: 77 Resp: 13704
Ion Ratio Lower Upper
77 100
105 99.7 77.0 117.0
106 96.6 74.1 114.1

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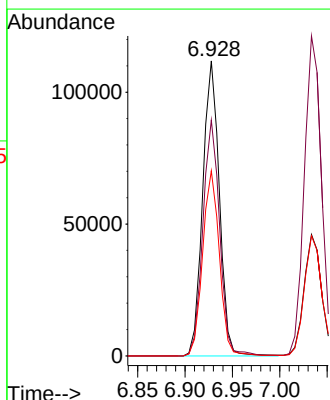
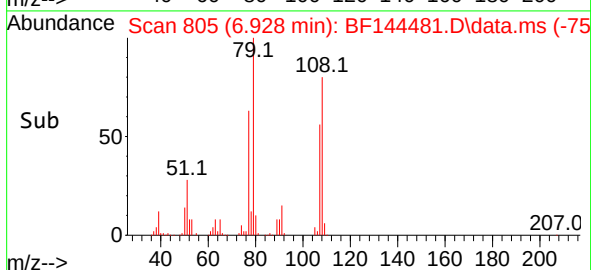
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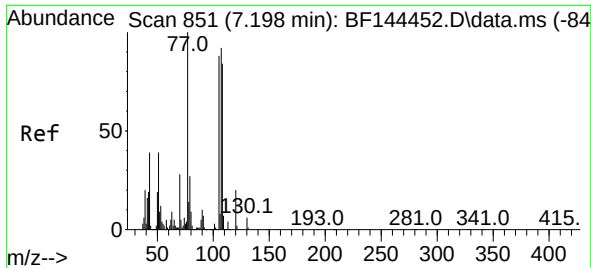


#15
Benzyl Alcohol
Concen: 9.401 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35



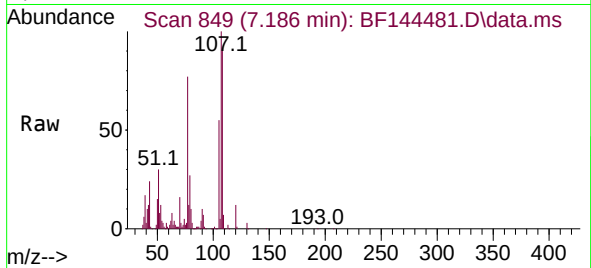
Tgt Ion: 79 Resp: 136859
Ion Ratio Lower Upper
79 100
108 80.0 63.7 95.5
77 62.7 49.3 73.9





#20
3+4-Methylphenols
Concen: 9.774 ng
RT: 7.186 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

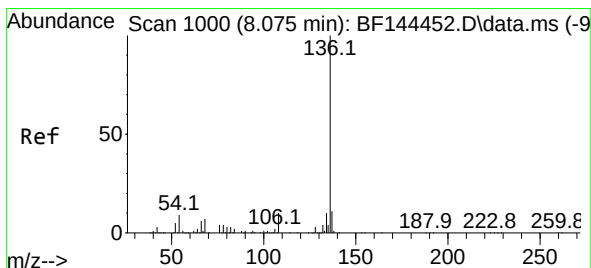
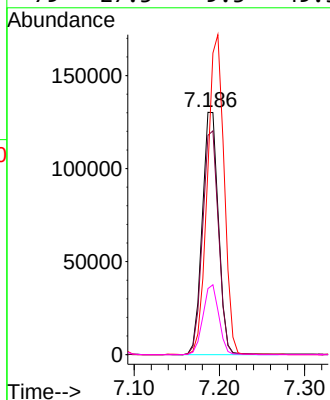
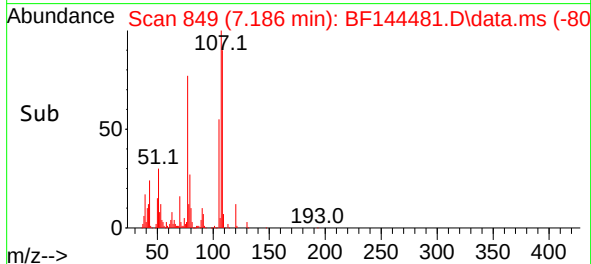
Instrument : BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:107 Resp: 171862
Ion Ratio Lower Upper
107 100
108 90.5 71.5 111.5
77 76.6 88.5 128.5
79 27.3 9.3 49.3

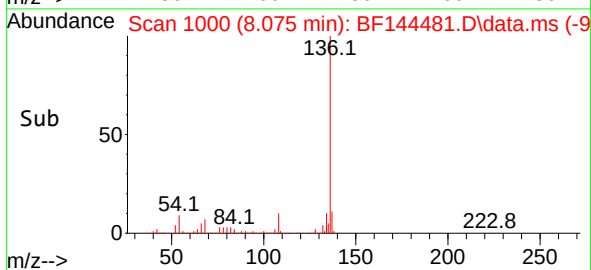
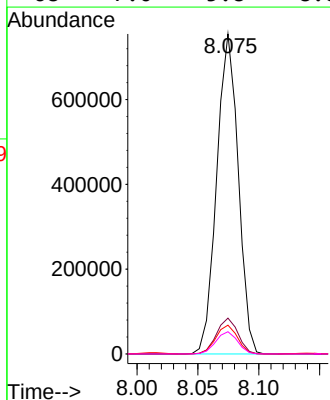
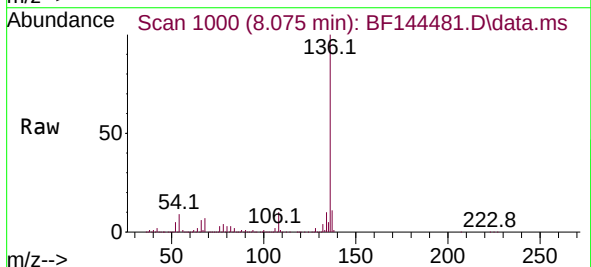
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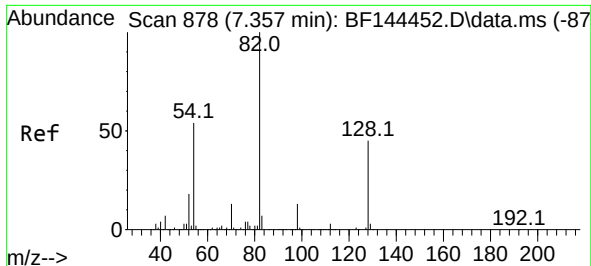
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

Tgt Ion:136 Resp: 927051
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.0 7.5 11.3
68 7.0 5.8 8.8





#23

Nitrobenzene-d5

Concen: 94.748 ng

RT: 7.357 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF144481.D

Acq: 15 Dec 2025 18:35

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 82 Resp: 140363

Ion Ratio Lower Upper

82 100

128 46.3 35.5 53.3

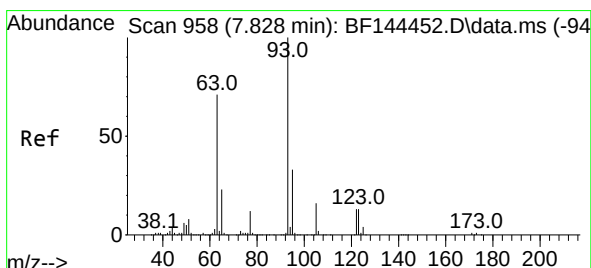
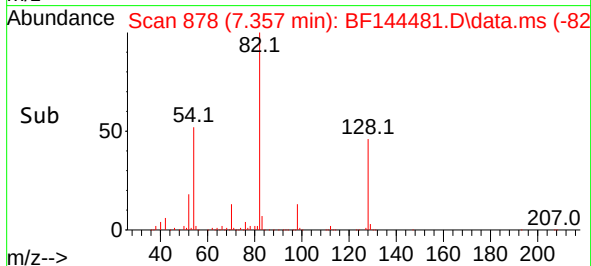
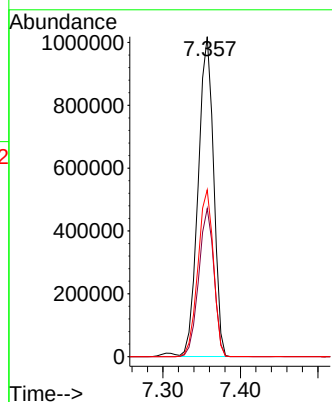
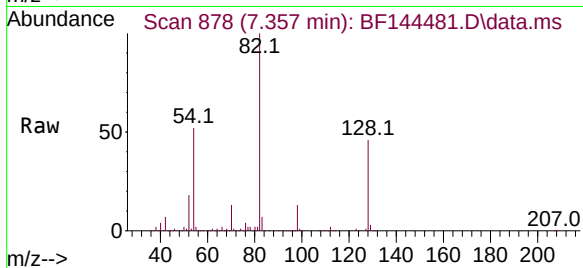
54 52.1 43.3 64.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/16/2025



#32

Benzoic acid

Concen: 6.959 ng m

RT: 7.781 min Scan# 950

Delta R.T. -0.047 min

Lab File: BF144481.D

Acq: 15 Dec 2025 18:35

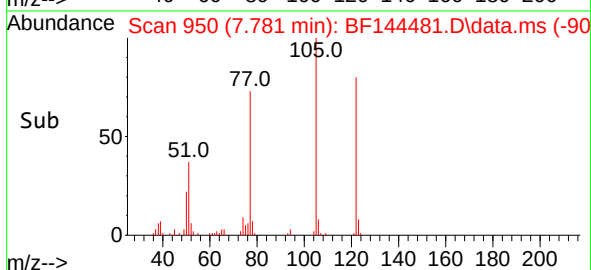
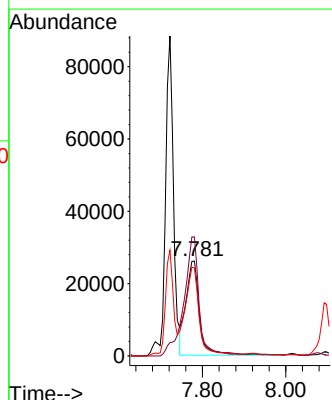
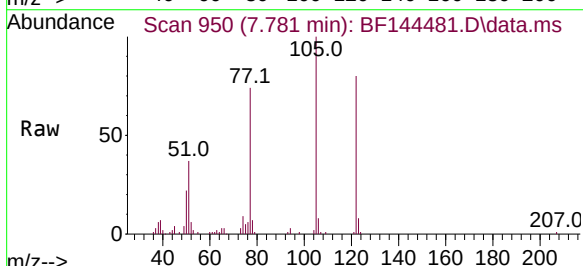
Tgt Ion:122 Resp: 58924

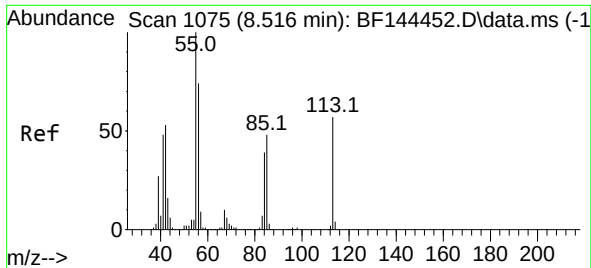
Ion Ratio Lower Upper

122 100

105 125.4 103.2 143.2

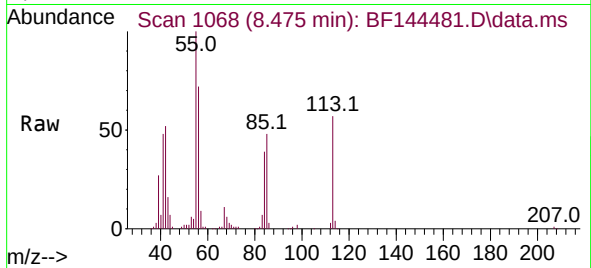
77 92.7 75.1 115.1





#35
 Caprolactam
 Concen: 8.754 ng
 RT: 8.475 min Scan# 1075
 Delta R.T. -0.041 min
 Lab File: BF144481.D
 Acq: 15 Dec 2025 18:35

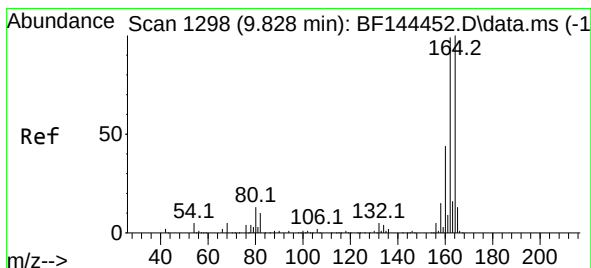
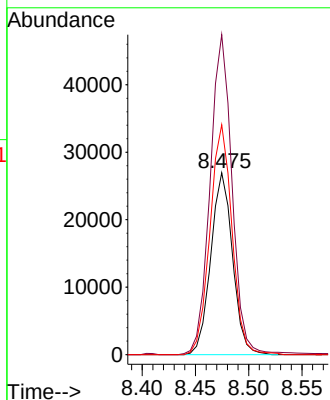
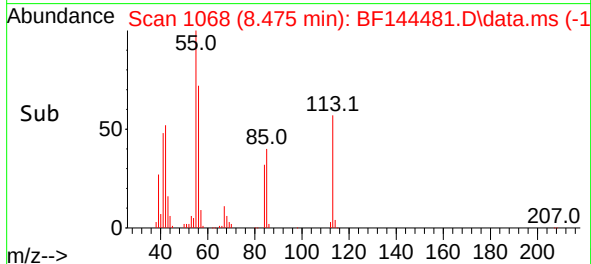
Instrument : BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion:113 Resp: 38317
 Ion Ratio Lower Upper
 113 100
 55 176.0 154.5 194.5
 56 126.4 109.8 149.8

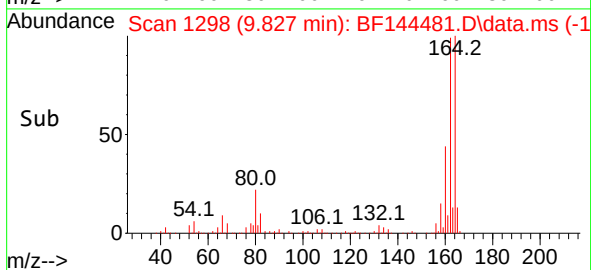
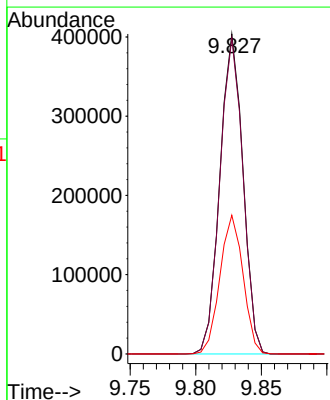
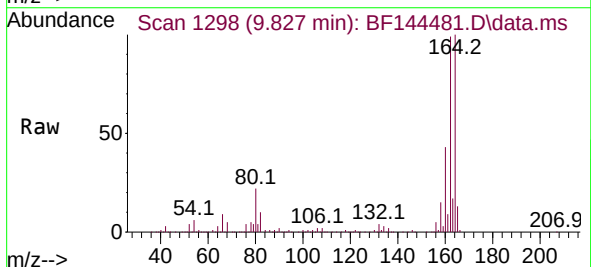
Manual Integrations
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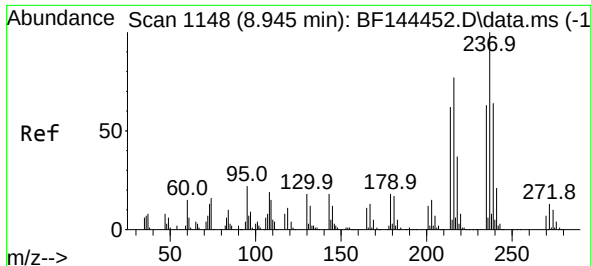
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 Supervised By :Jagrut Upadhyay 12/16/2025



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.827 min Scan# 1298
 Delta R.T. -0.001 min
 Lab File: BF144481.D
 Acq: 15 Dec 2025 18:35

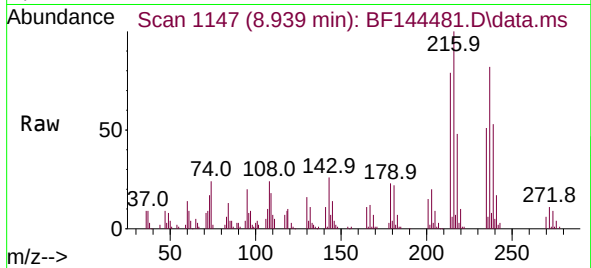
Tgt Ion:164 Resp: 493417
 Ion Ratio Lower Upper
 164 100
 162 98.6 79.2 118.8
 160 43.3 35.3 52.9





#41
Hexachlorocyclopentadiene
Concen: 5.677 ng
RT: 8.939 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

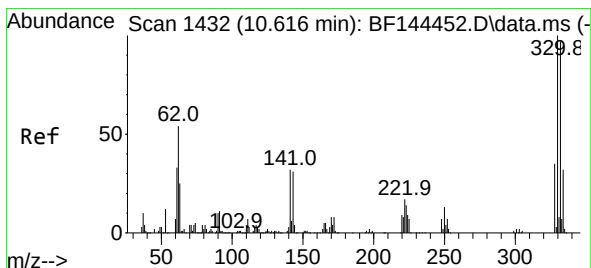
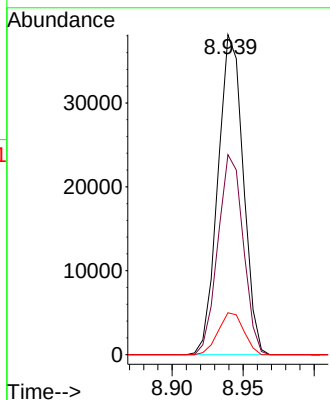
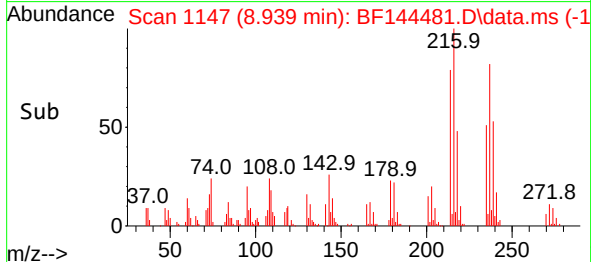
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LOQ-WATER-02-QT4-2025



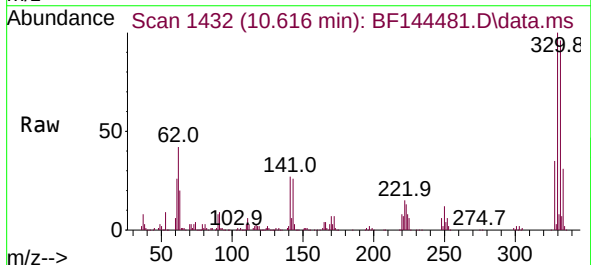
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Ion Ratio Lower Upper
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272 13.1 0.0 33.2

Manual Integrations
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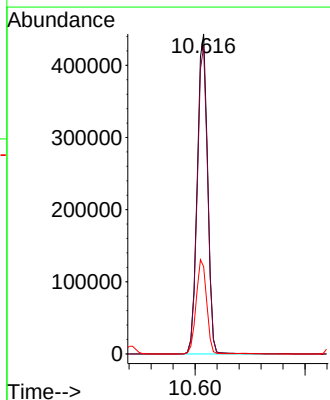
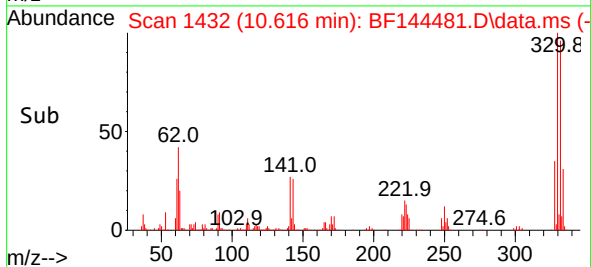
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

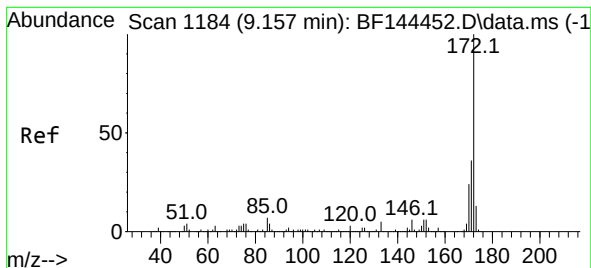


#42
2,4,6-Tribromophenol
Concen: 129.818 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35



Tgt Ion: 330 Resp: 579112
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 29.7 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 75.091 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144481.D

Acq: 15 Dec 2025 18:35

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:172 Resp: 2415225

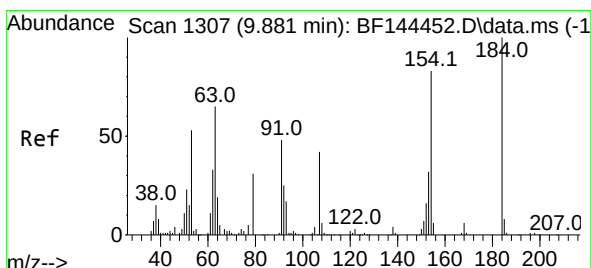
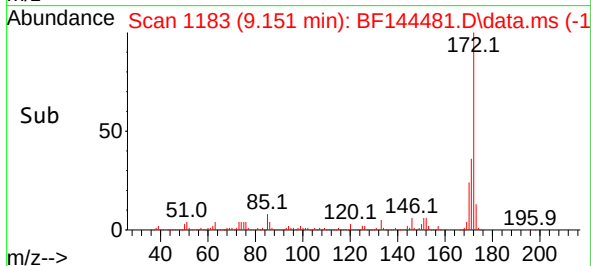
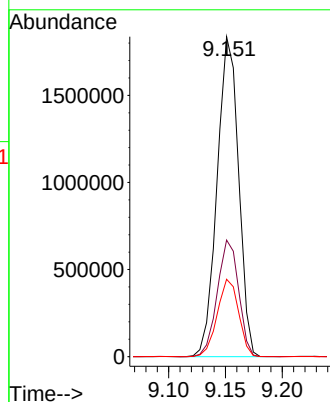
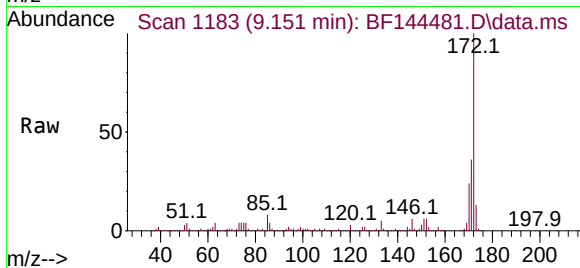
Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.7	43.1
170	24.2	19.3	28.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/16/2025



#54

2,4-Dinitrophenol

Concen: 8.235 ng

RT: 9.875 min Scan# 1306

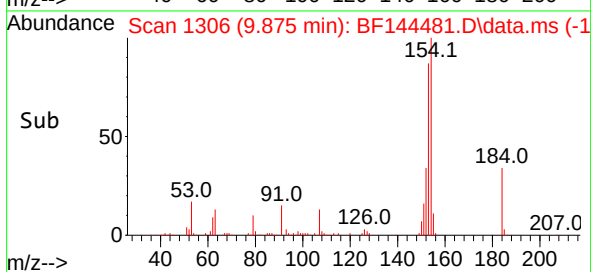
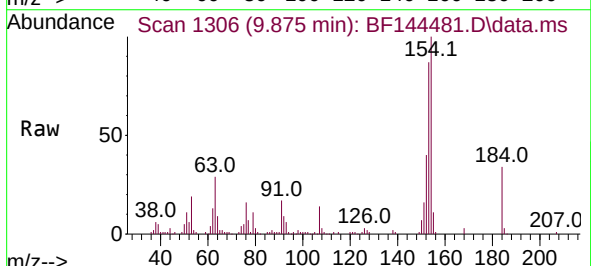
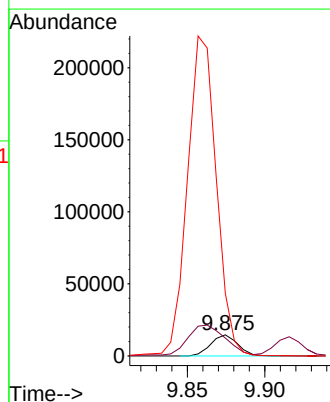
Delta R.T. -0.006 min

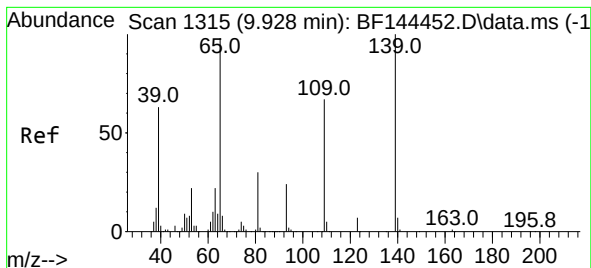
Lab File: BF144481.D

Acq: 15 Dec 2025 18:35

Tgt Ion:184 Resp: 17546

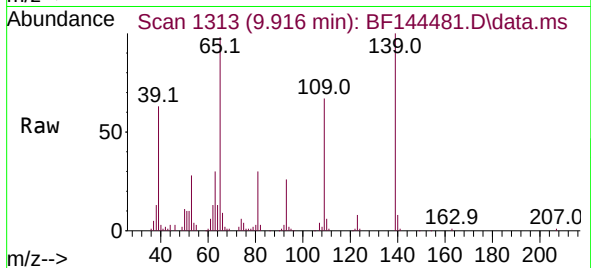
Ion	Ratio	Lower	Upper
184	100		
63	84.6	60.6	91.0
154	296.2	137.8	206.8





#56
4-Nitrophenol
Concen: 9.865 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

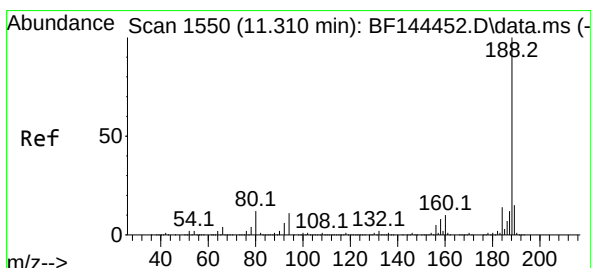
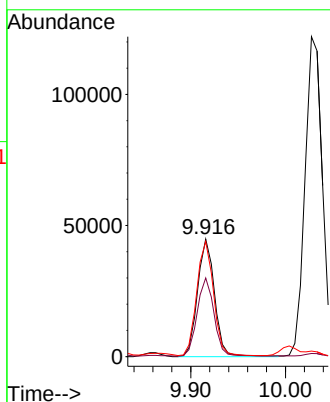
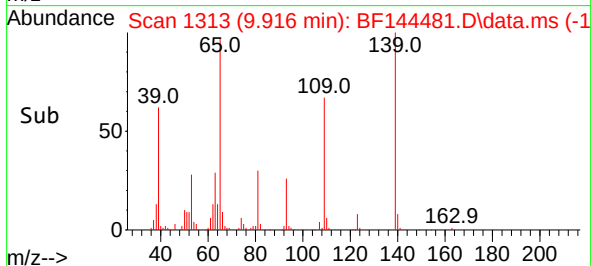
Instrument : BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:139 Resp: 55994
Ion Ratio Lower Upper
139 100
109 66.8 47.4 87.4
65 97.9 78.4 118.4

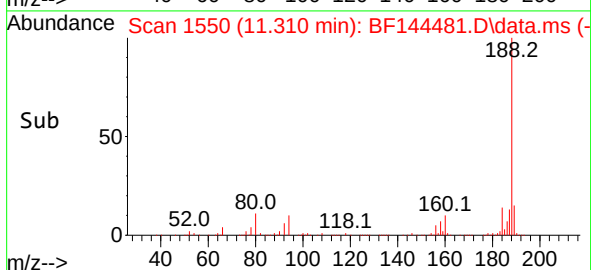
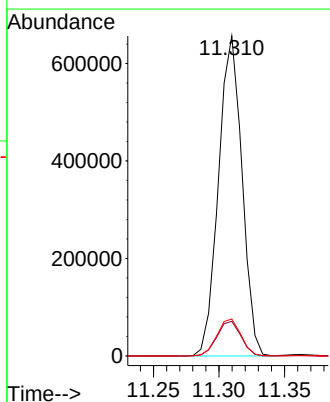
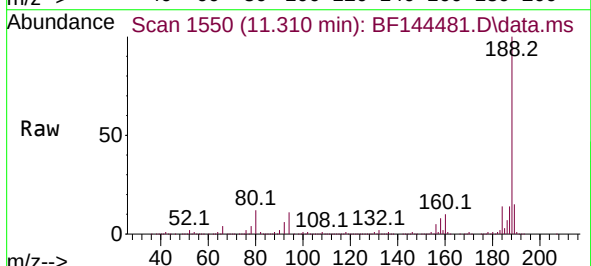
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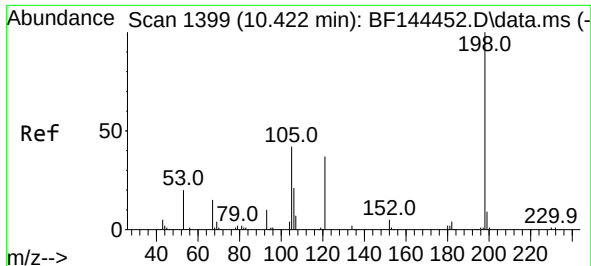
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

Tgt Ion:188 Resp: 820197
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.6
80 11.5 9.8 14.8





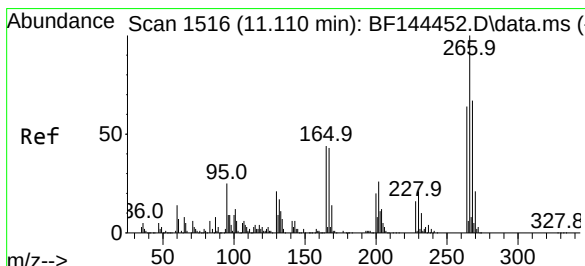
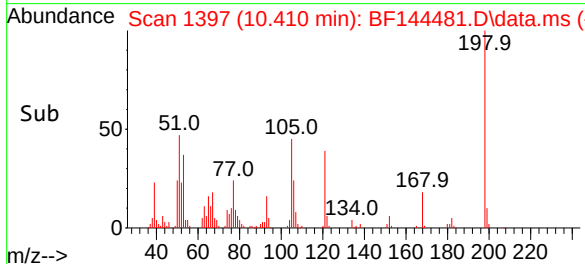
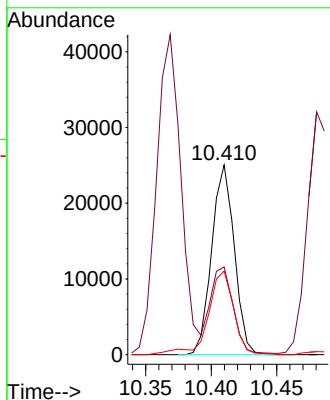
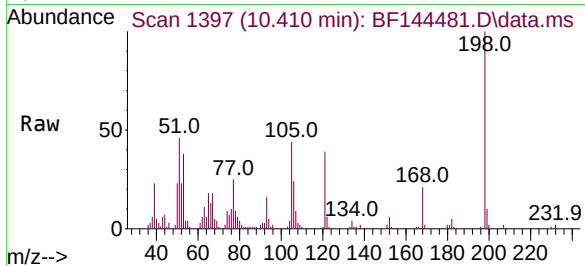
#65
4,6-Dinitro-2-methylphenol
Concen: 9.347 ng
RT: 10.410 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

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

Tgt Ion:198 Resp: 30114
Ion Ratio Lower Upper
198 100
51 46.2 25.5 65.5
105 44.0 23.4 63.4

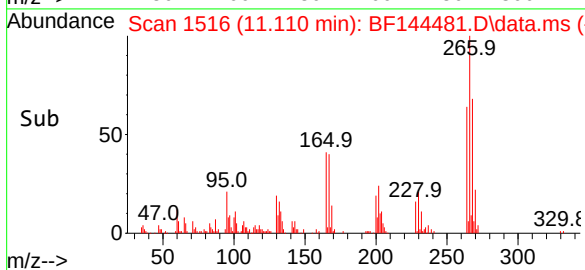
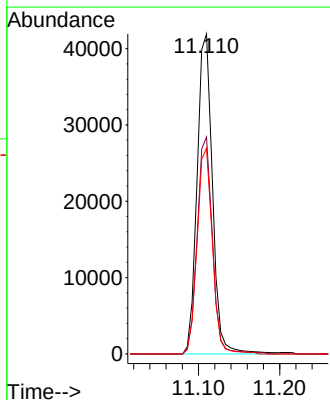
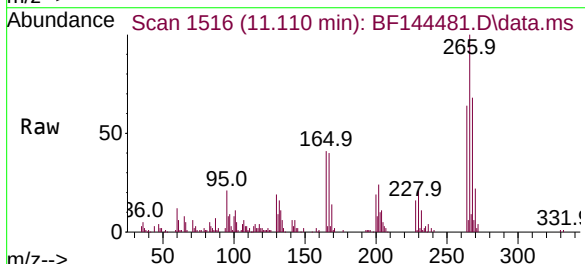
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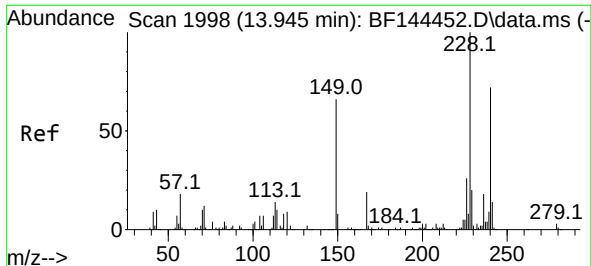
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#70
Pentachlorophenol
Concen: 9.153 ng
RT: 11.110 min Scan# 1516
Delta R.T. -0.000 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

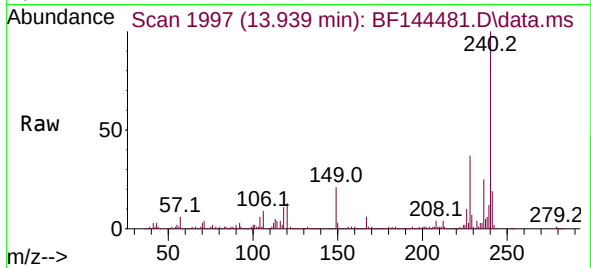
Tgt Ion:266 Resp: 55181
Ion Ratio Lower Upper
266 100
268 67.8 53.8 80.8
264 64.3 51.2 76.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

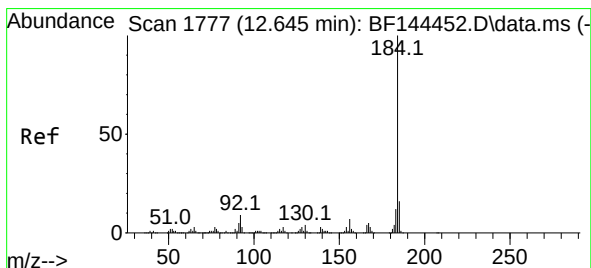
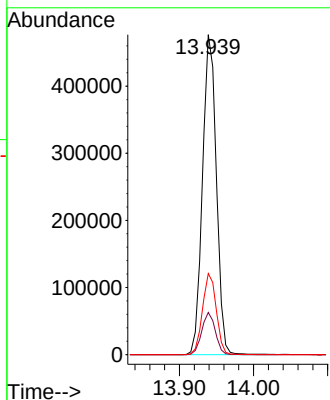
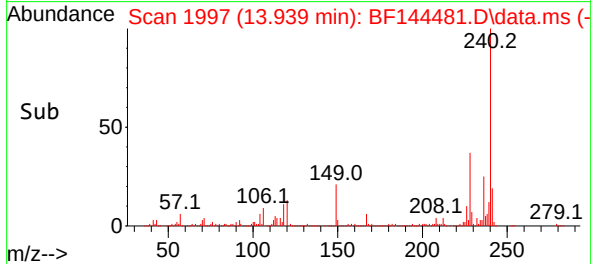
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:240 Resp: 617655
Ion Ratio Lower Upper
240 100
120 13.2 10.3 15.5
236 25.3 20.2 30.4

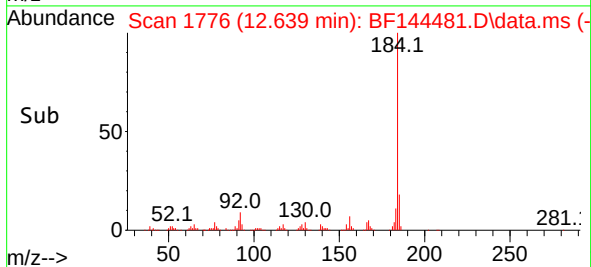
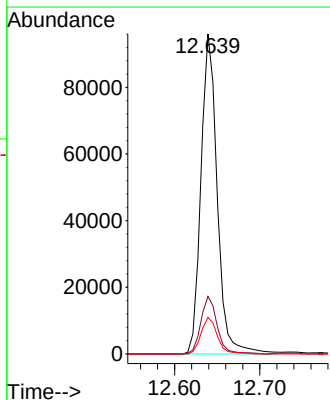
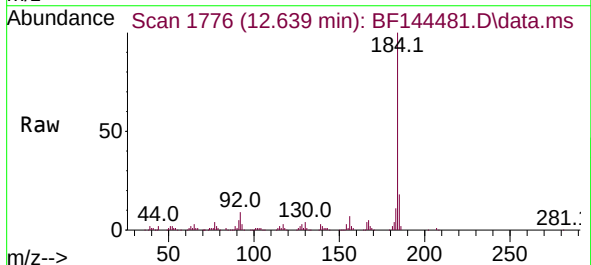
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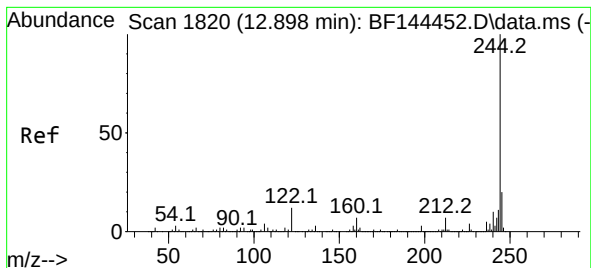
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#77
Benidine
Concen: 5.788 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

Tgt Ion:184 Resp: 127285
Ion Ratio Lower Upper
184 100
185 18.0 12.6 18.8
183 11.4 9.4 14.0





#79

Terphenyl-d14

Concen: 70.274 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.000 min

Lab File: BF144481.D

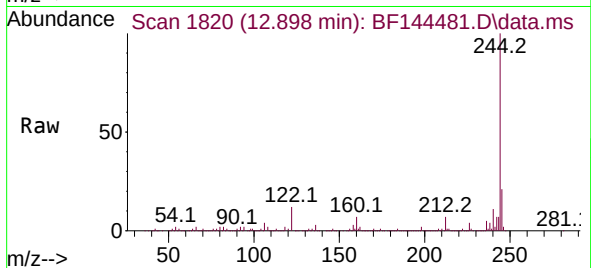
Acq: 15 Dec 2025 18:35

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT4-2025



Tgt Ion:244 Resp: 274925

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

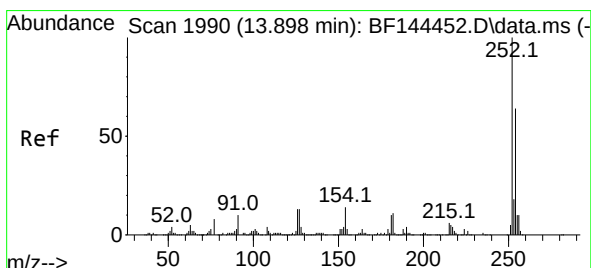
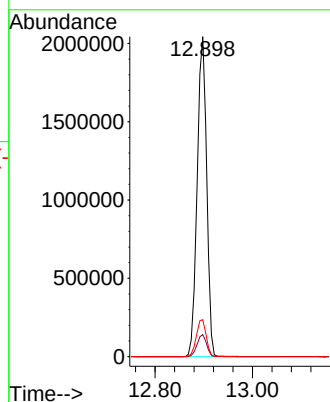
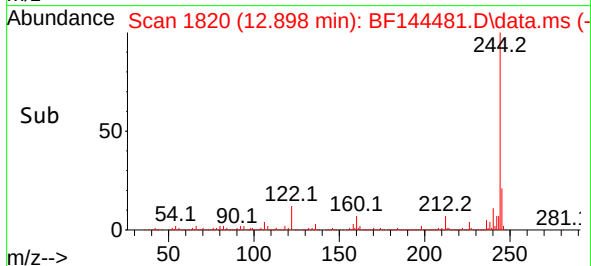
122 11.5 9.9 14.9

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#82

3,3'-Dichlorobenzidine

Concen: 9.286 ng

RT: 13.898 min Scan# 1990

Delta R.T. -0.000 min

Lab File: BF144481.D

Acq: 15 Dec 2025 18:35

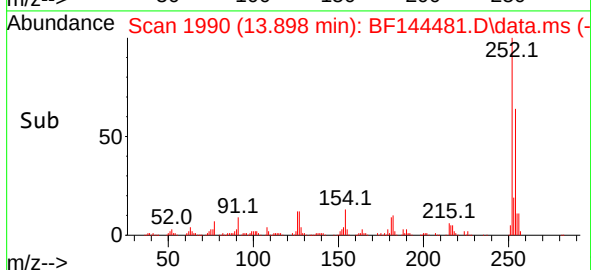
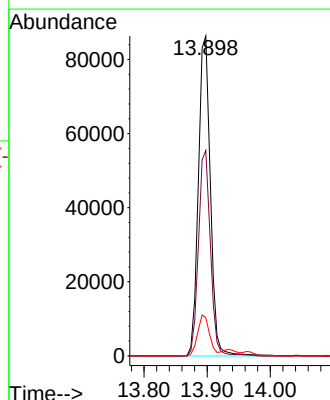
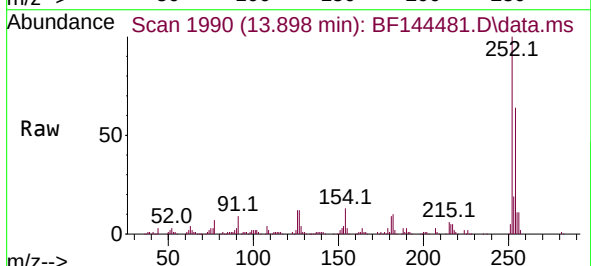
Tgt Ion:252 Resp: 114449

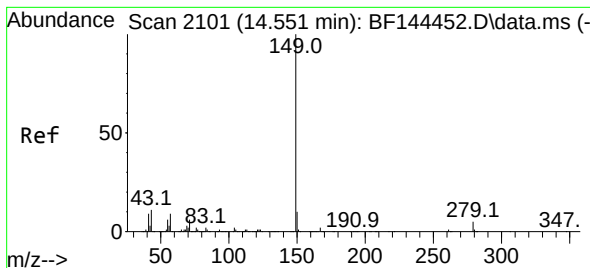
Ion Ratio Lower Upper

252 100

254 64.2 51.1 76.7

126 11.9 10.4 15.6





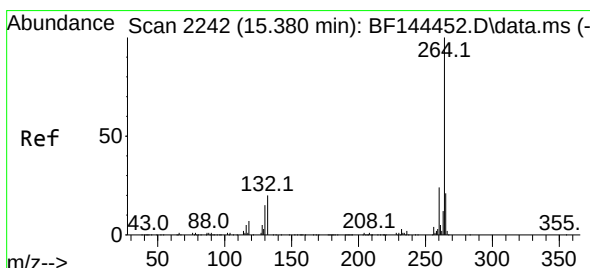
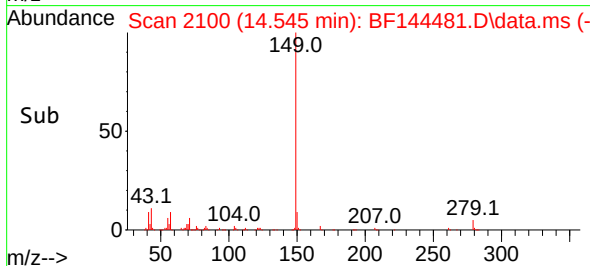
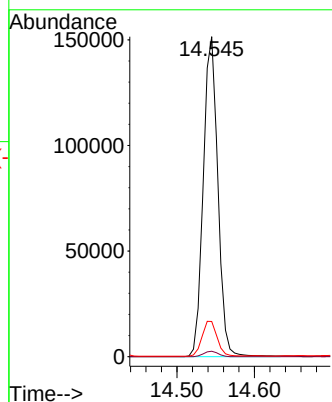
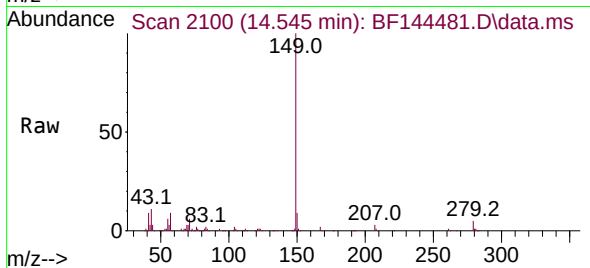
#85
Di-n-octyl phthalate
Concen: 6.731 ng
RT: 14.545 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

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

Tgt Ion:149 Resp: 197753
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.3 9.2 13.8

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Supervised By :Jagrut Upadhyay 12/16/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BF144481.D
Acq: 15 Dec 2025 18:35

Tgt Ion:264 Resp: 442775
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 21.9 17.1 25.7

