

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024086.D
 Acq On : 18 Feb 2025 16:36
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

02/20/2025
 Supervised By :Jagrut
 Upadhyay

Quant Time: Feb 18 17:07:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	301218	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1292586	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	769058	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1470452	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1444344	20.000	ng	0.00
86) Perylene-d12	25.027	264	1348776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1623062	84.077	ng	0.00
7) Phenol-d6	6.940	99	2194810	88.460	ng	0.00
23) Nitrobenzene-d5	8.904	82	1928328	83.228	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	816446	86.671	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	4509725	81.978	ng	0.00
79) Terphenyl-d14	19.922	244	6371012	87.283	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.616	42	83060	11.893	ng	# 90
9) Benzaldehyde	6.910	77	204315m	18.037	ng	
15) Benzyl Alcohol	7.999	79	191537	12.612	ng	98
20) 3+4-Methylphenols	8.528	107	256172	12.385	ng	96
32) Benzoic acid	9.804	122	97512	13.176	ng	96
35) Caprolactam	11.469	113	60536	14.015	ng	95
41) Hexachlorocyclopentadiene	12.551	237	126318	14.366	ng	98
54) 2,4-Dinitrophenol	14.504	184	44236	13.261	ng	99
56) 4-Nitrophenol	14.616	139	99339	9.753	ng	97
65) 4,6-Dinitro-2-methylph...	15.534	198	70806	12.567	ng	99
70) Pentachlorophenol	16.839	266	103896	8.233	ng	97
77) Benzidine	19.522	184	383905	21.813	ng	99
85) Di-n-octyl phthalate	22.863	149	696503	8.174	ng	98

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

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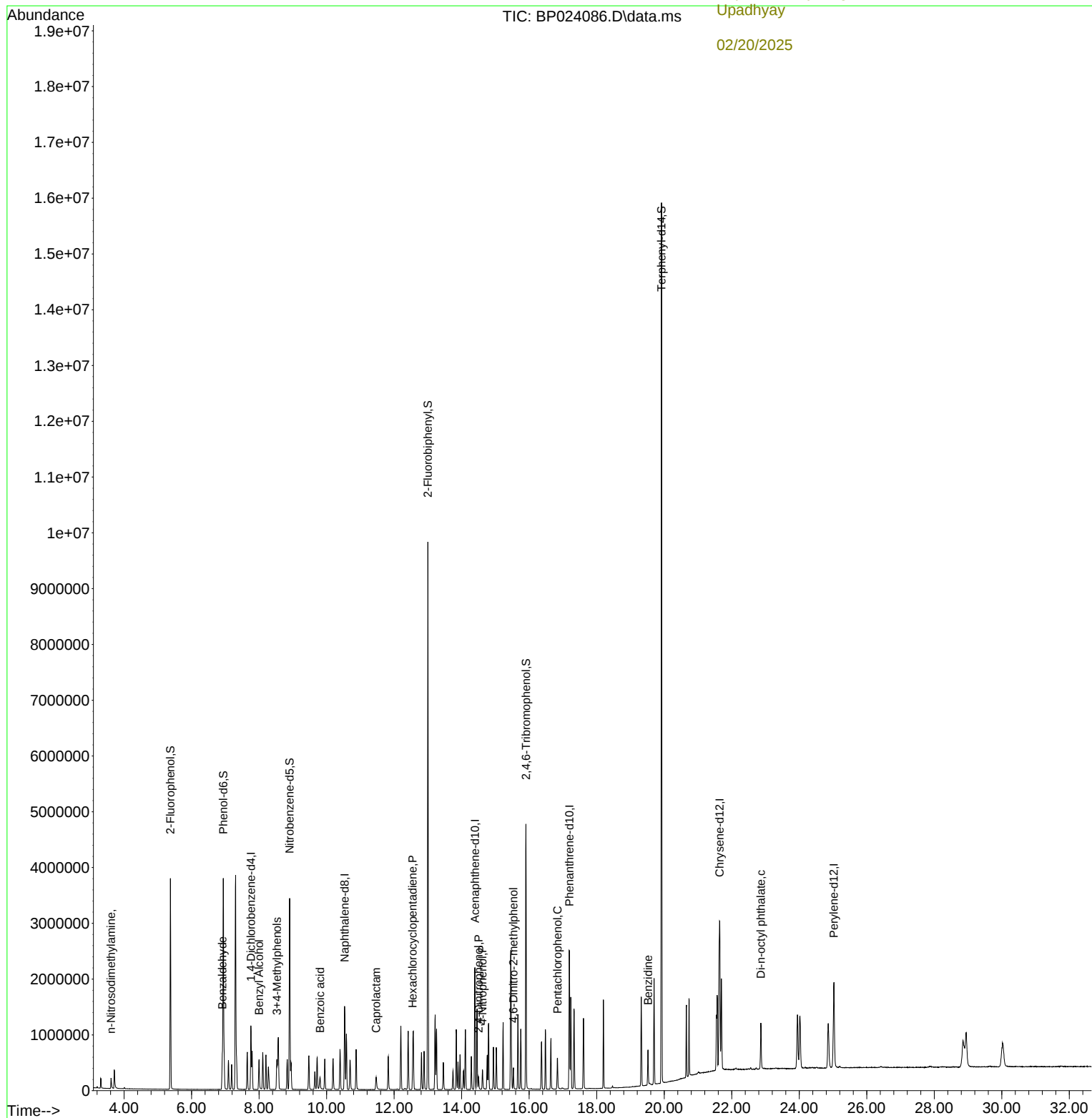
Quant Time: Feb 18 17:07:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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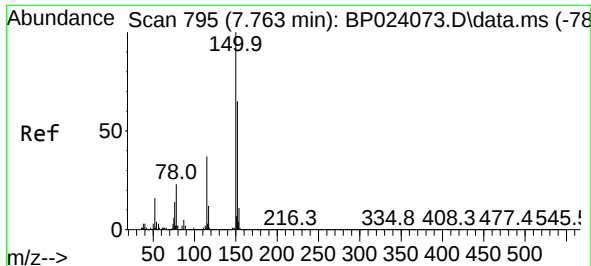
Manual Integrations
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Chavli

02/20/2025
Supervised By :Jagrut
Upadhyay

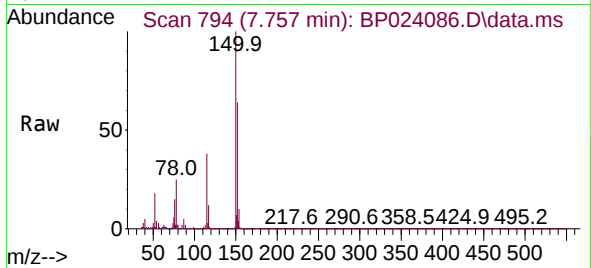
02/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



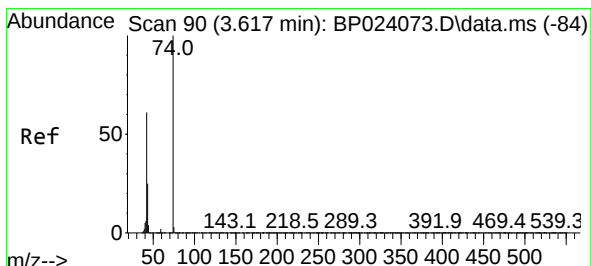
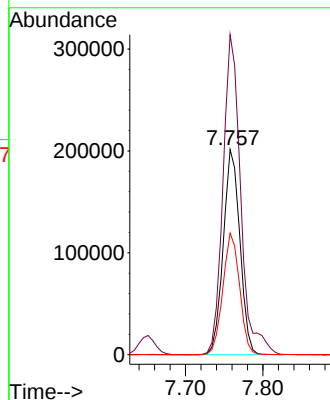
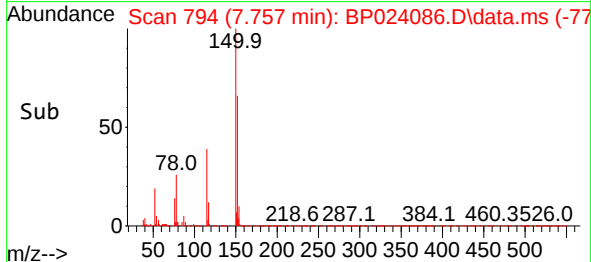
Tgt Ion:152 Resp: 301218
Ion Ratio Lower Upper
152 100
150 156.0 122.4 183.6
115 59.3 45.0 67.6

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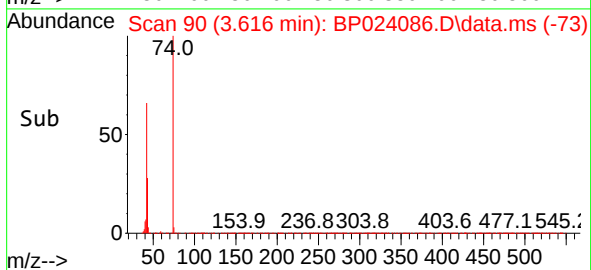
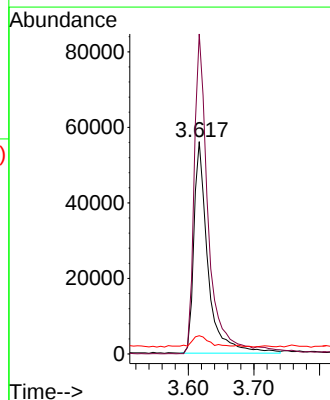
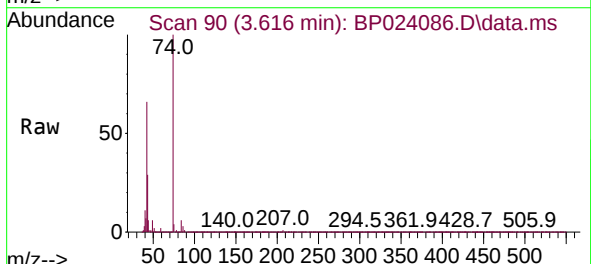
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Upadhyay

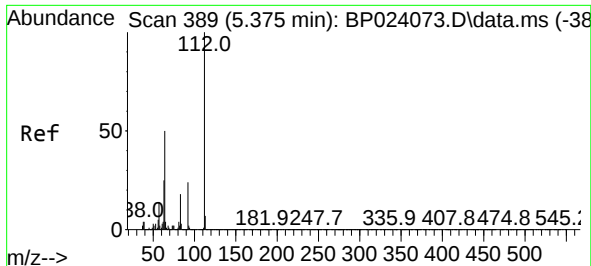
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#4
n-Nitrosodimethylamine
Concen: 11.893 ng
RT: 3.616 min Scan# 90
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

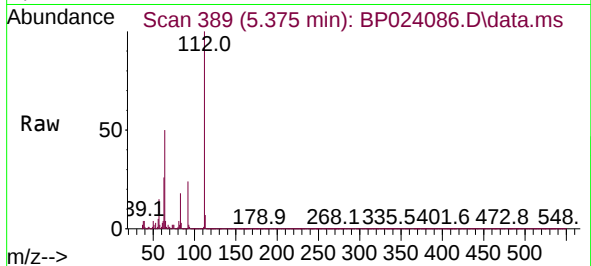
Tgt Ion: 42 Resp: 83060
Ion Ratio Lower Upper
42 100
74 150.7 132.0 198.0
44 8.6 5.3 7.9





#5
2-Fluorophenol
Concen: 84.077 ng
RT: 5.375 min Scan# 389
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
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LOQ-SOIL-02-QT1-2025



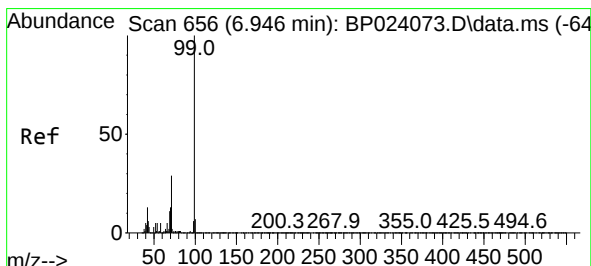
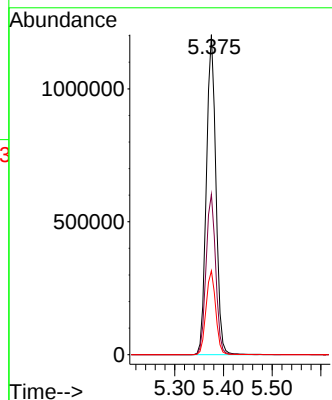
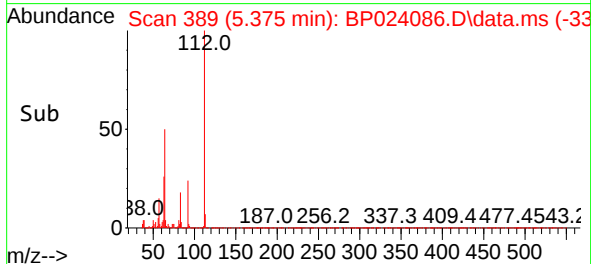
Tgt Ion: 112 Resp: 1623062
Ion Ratio Lower Upper
112 100
64 50.1 39.6 59.4
63 26.2 20.3 30.5

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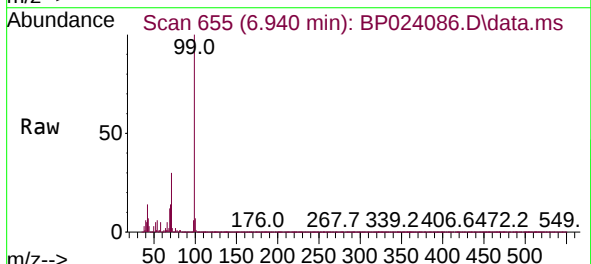
Reviewed By :Rahul
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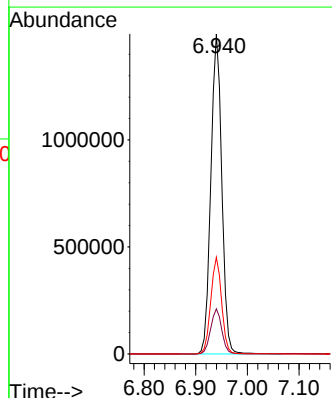
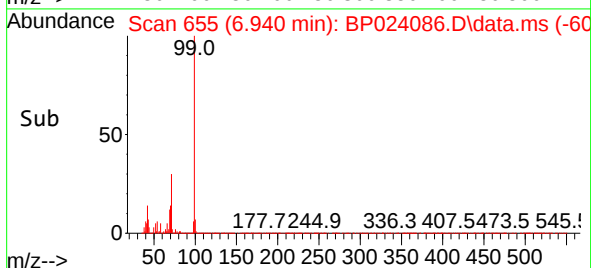
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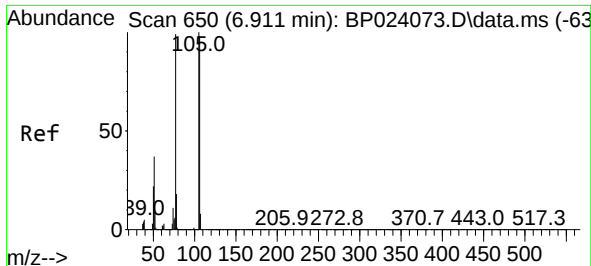


#7
Phenol-d6
Concen: 88.460 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36



Tgt Ion: 99 Resp: 2194810
Ion Ratio Lower Upper
99 100
42 14.1 10.3 15.5
71 30.2 22.9 34.3





#9
Benzaldehyde
Concen: 18.037 ng m
RT: 6.910 min Scan# 611
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

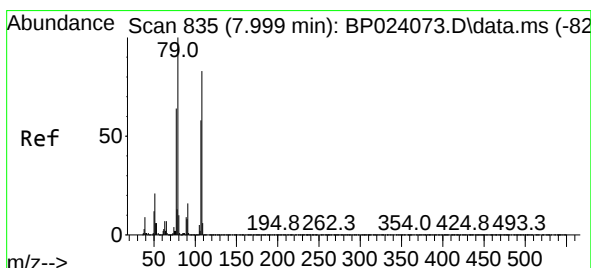
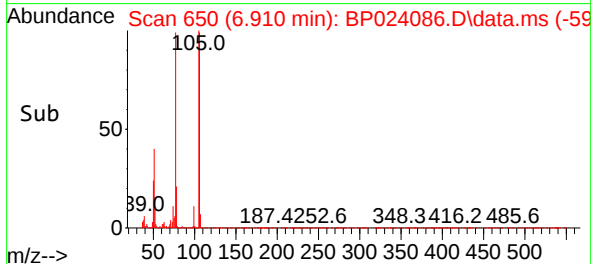
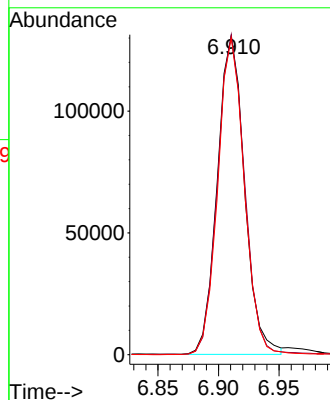
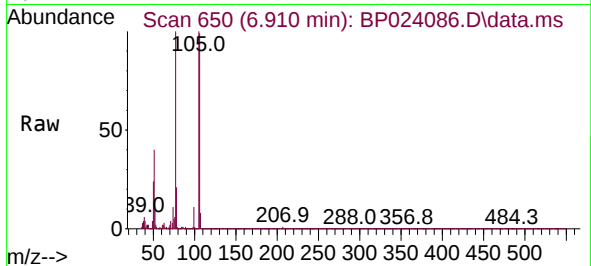
Tgt Ion: 77 Resp: 20431
Ion Ratio Lower Upper
77 100
105 100.4 81.4 121.4
106 99.4 79.0 119.0

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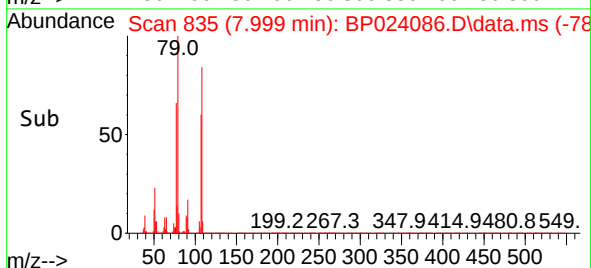
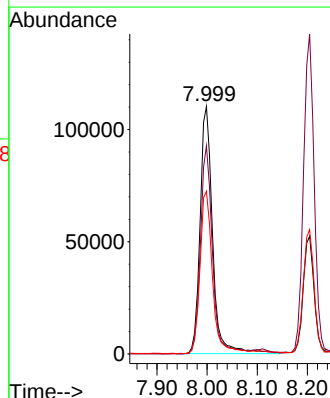
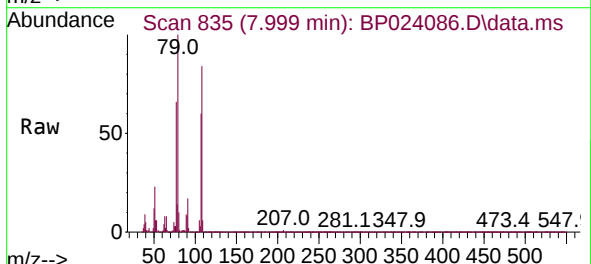
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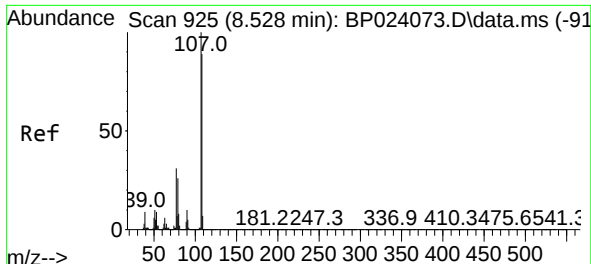
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#15
Benzyl Alcohol
Concen: 12.612 ng
RT: 7.999 min Scan# 835
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

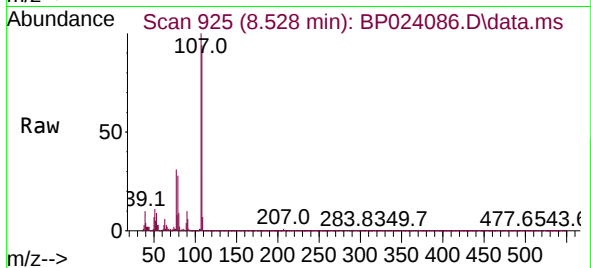
Tgt Ion: 79 Resp: 191537
Ion Ratio Lower Upper
79 100
108 84.1 66.4 99.6
77 65.8 51.3 76.9





#20
3+4-Methylphenols
Concen: 12.385 ng
RT: 8.528 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



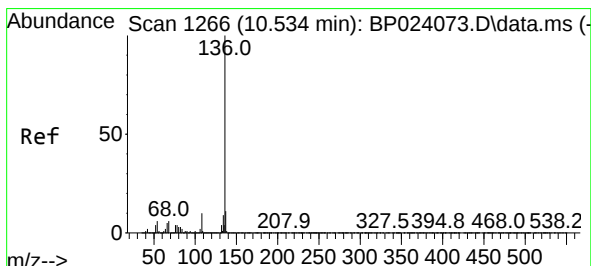
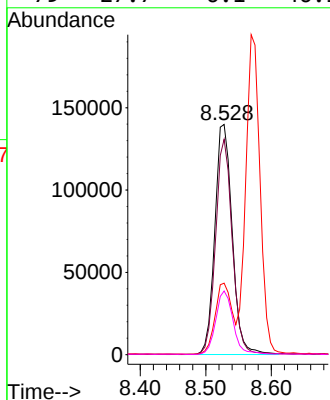
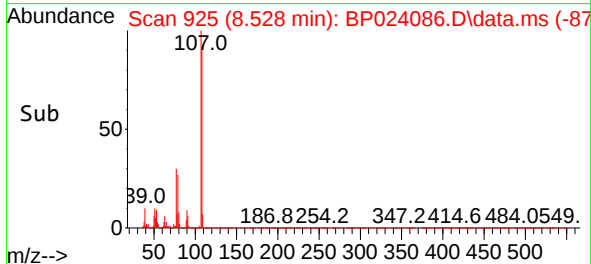
Tgt Ion:107 Resp: 256172
Ion Ratio Lower Upper
107 100
108 93.5 68.5 108.5
77 31.1 10.7 50.7
79 27.7 6.1 46.1

Manual Integrations
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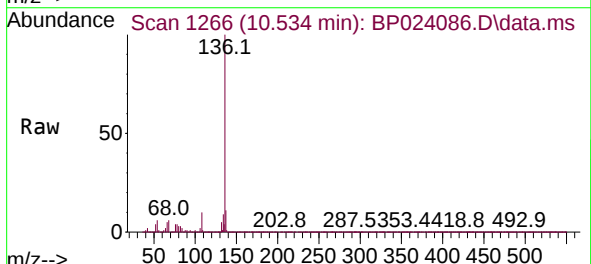
Reviewed By :Rahul
Chavli

02/20/2025
Supervised By :Jagrut
Upadhyay

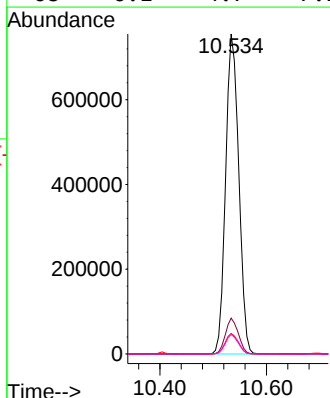
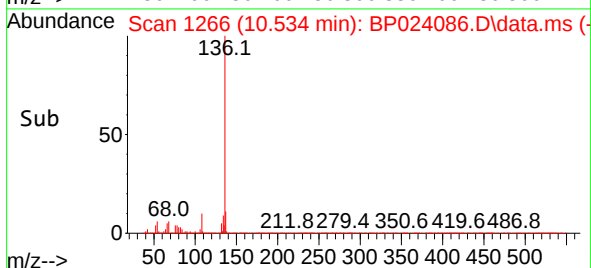
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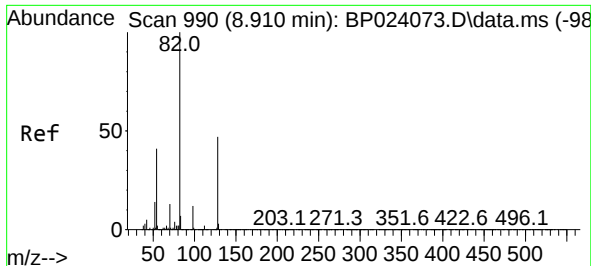


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36



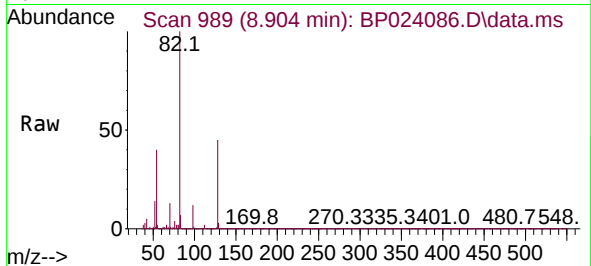
Tgt Ion:136 Resp: 1292586
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 6.4 4.9 7.3
68 6.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 83.228 ng
RT: 8.904 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



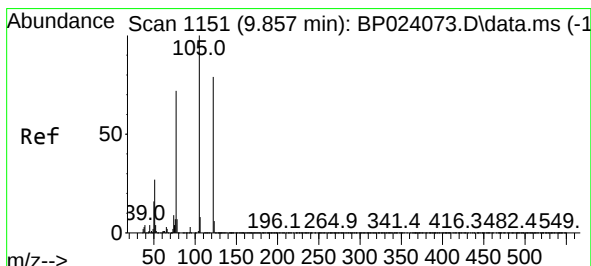
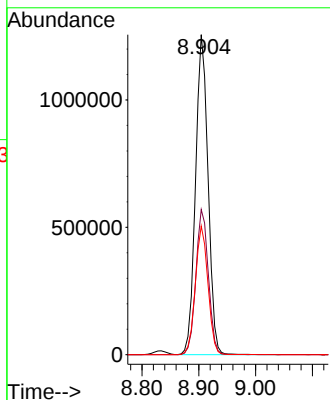
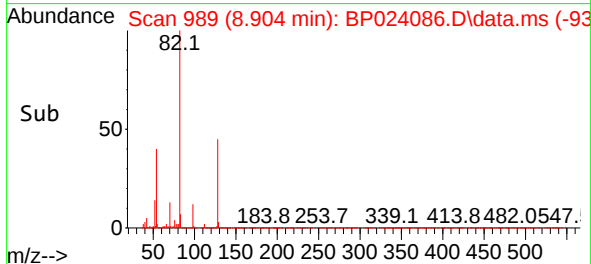
Tgt Ion: 82 Resp: 1928328
Ion Ratio Lower Upper
82 100
128 45.4 37.4 56.2
54 40.2 32.4 48.6

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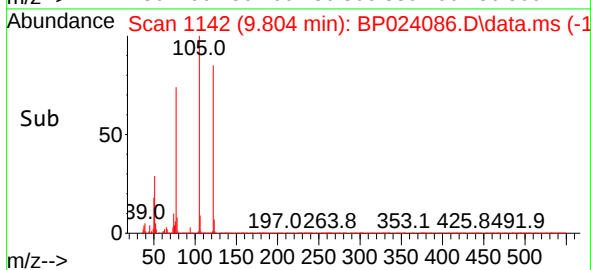
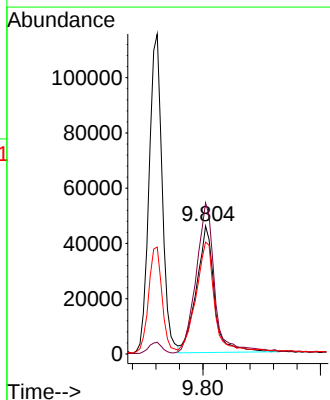
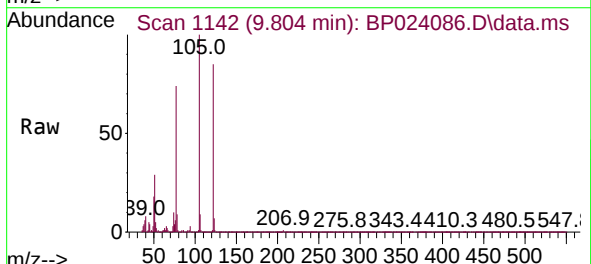
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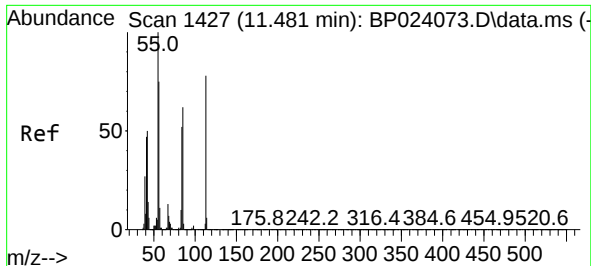
02/20/2025



#32
Benzoic acid
Concen: 13.176 ng
RT: 9.804 min Scan# 1142
Delta R.T. -0.053 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

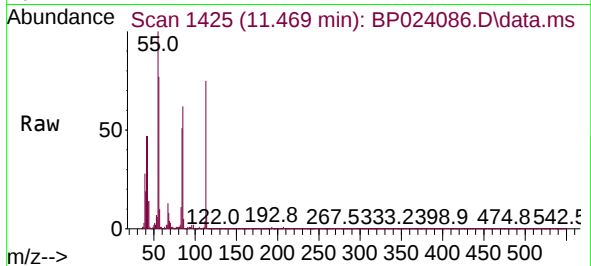
Tgt Ion:122 Resp: 97512
Ion Ratio Lower Upper
122 100
105 118.1 103.7 143.7
77 87.3 69.9 109.9





#35
Caprolactam
Concen: 14.015 ng
RT: 11.469 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
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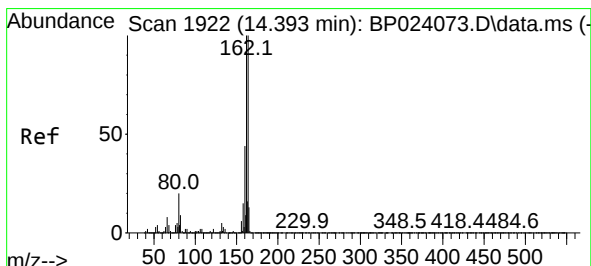
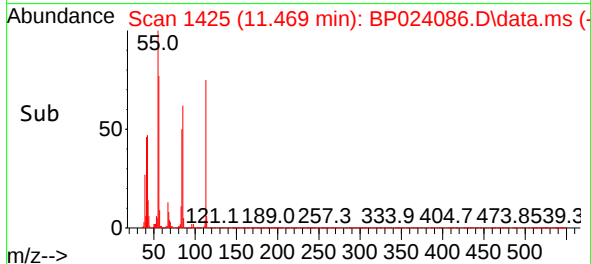
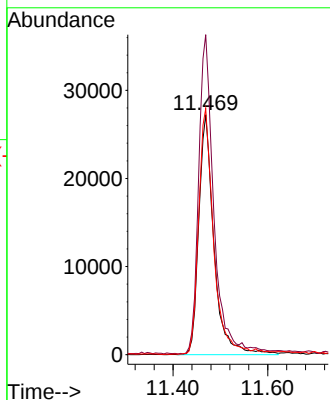
Tgt Ion:113 Resp: 60530
Ion Ratio Lower Upper
113 100
55 133.3 108.8 148.8
56 102.6 76.5 116.5

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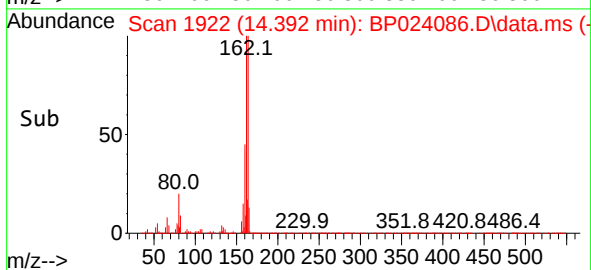
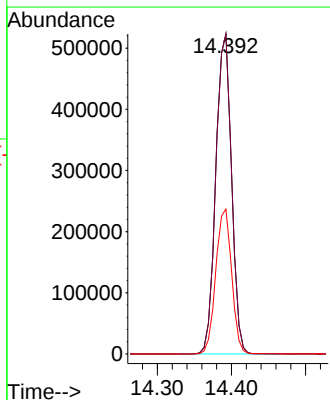
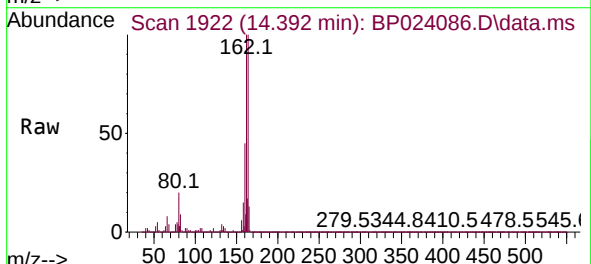
02/20/2025
Supervised By :Jagrut
Upadhyay

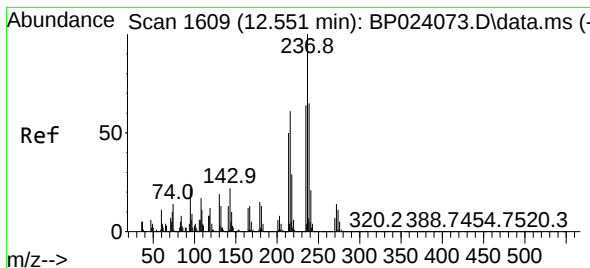
02/20/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

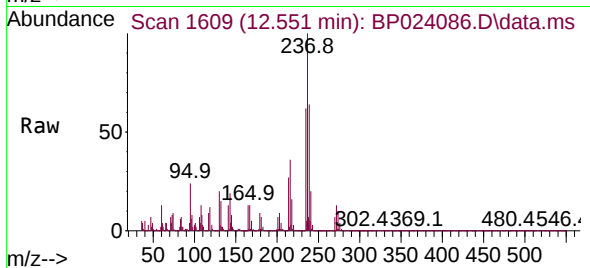
Tgt Ion:164 Resp: 769058
Ion Ratio Lower Upper
164 100
162 99.9 80.1 120.1
160 45.3 35.6 53.4





#41
Hexachlorocyclopentadiene
Concen: 14.366 ng
RT: 12.551 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

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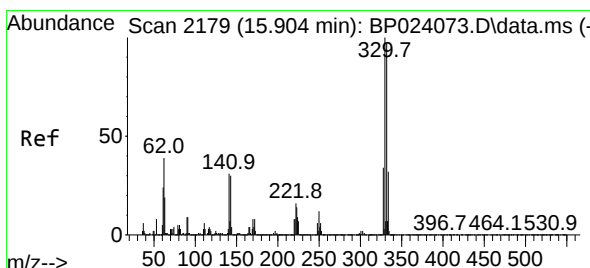
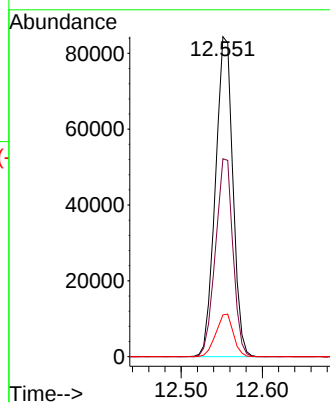
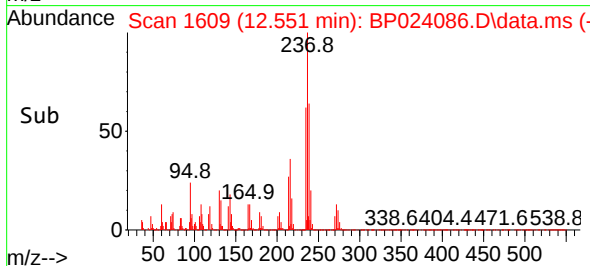
Tgt Ion: 237 Resp: 126318
Ion Ratio Lower Upper
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235 61.8 43.5 83.5
272 13.0 0.0 33.7

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Chavli

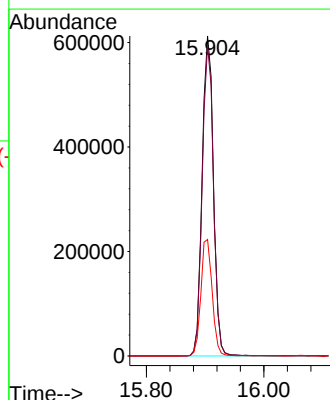
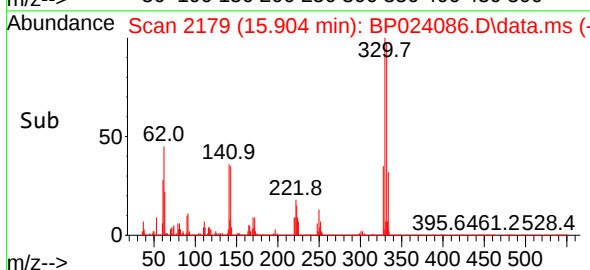
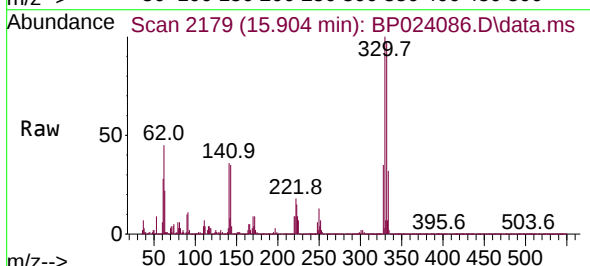
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Supervised By :Jagrut
Upadhyay

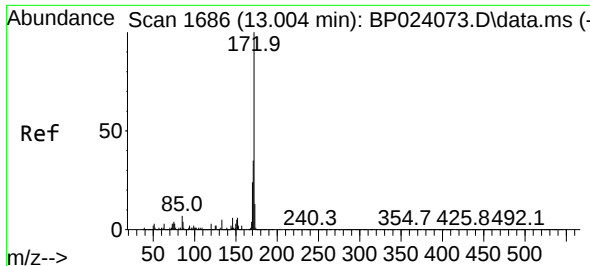
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#42
2,4,6-Tribromophenol
Concen: 86.671 ng
RT: 15.904 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

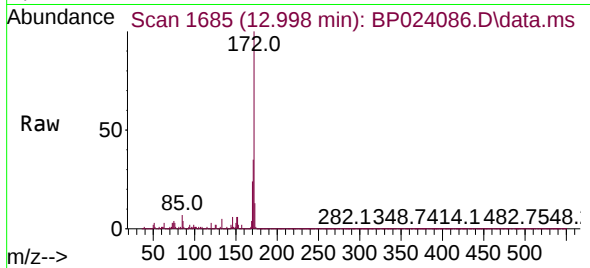
Tgt Ion: 330 Resp: 816446
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 36.6 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 81.978 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



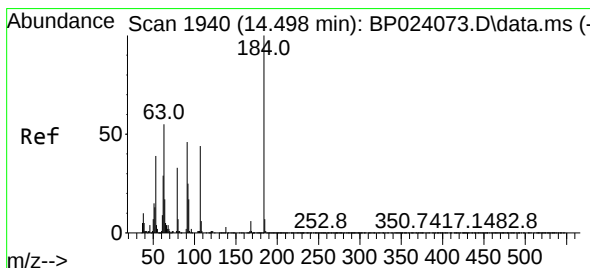
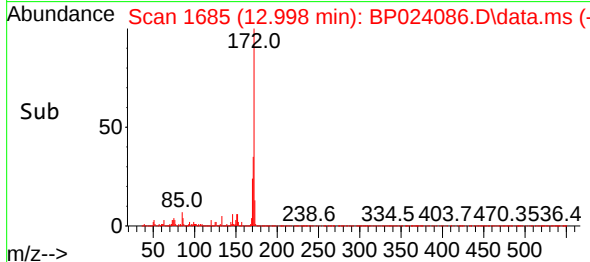
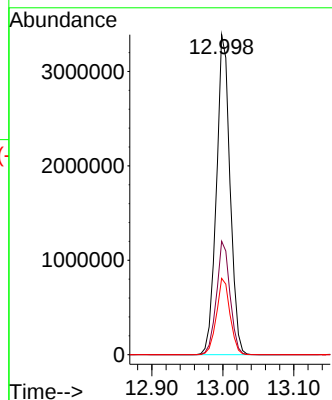
Tgt Ion:172 Resp: 4509725
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.8 19.0 28.6

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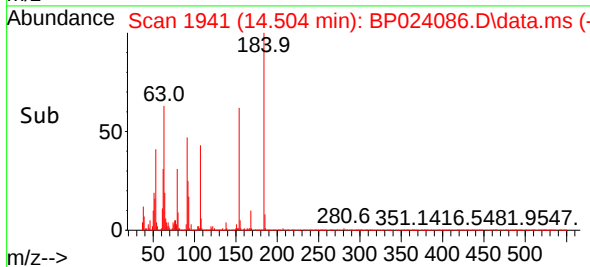
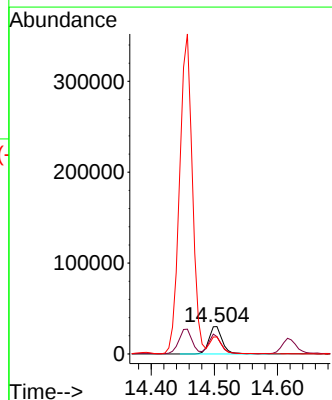
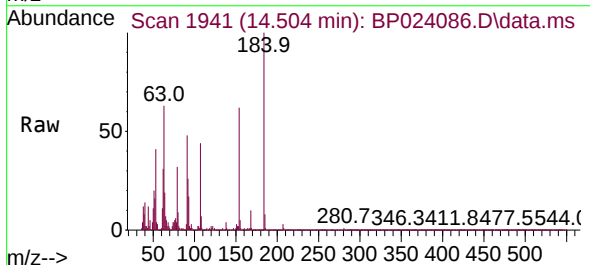
02/20/2025
Supervised By :Jagrut
Upadhyay

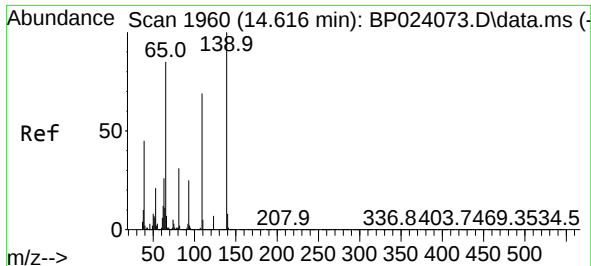
02/20/2025



#54
2,4-Dinitrophenol
Concen: 13.261 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

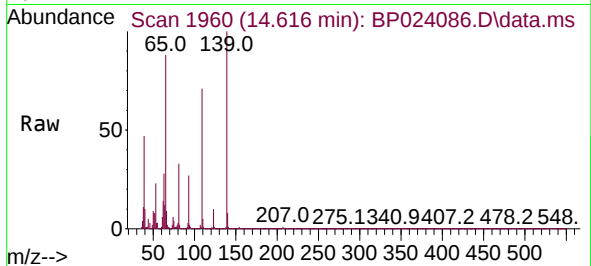
Tgt Ion:184 Resp: 44236
Ion Ratio Lower Upper
184 100
63 63.5 49.4 74.0
154 61.9 49.2 73.8





#56
4-Nitrophenol
Concen: 9.753 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



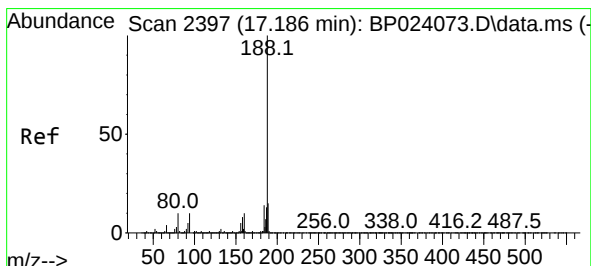
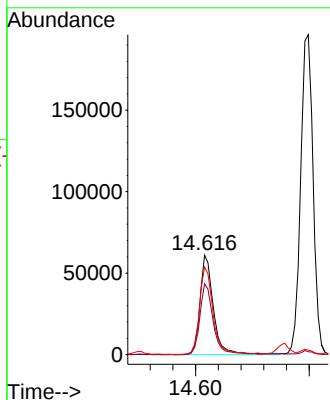
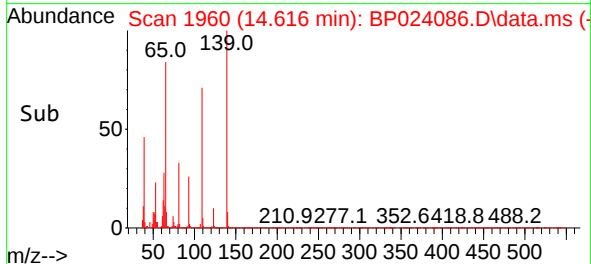
Tgt Ion:139 Resp: 99339
Ion Ratio Lower Upper
139 100
109 71.2 49.2 89.2
65 88.1 65.4 105.4

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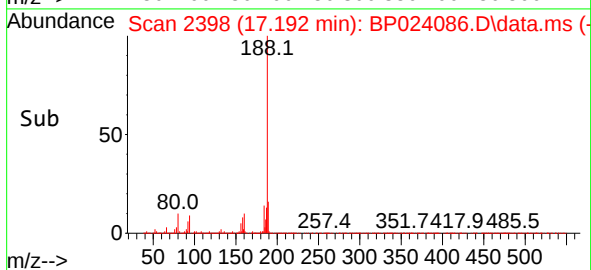
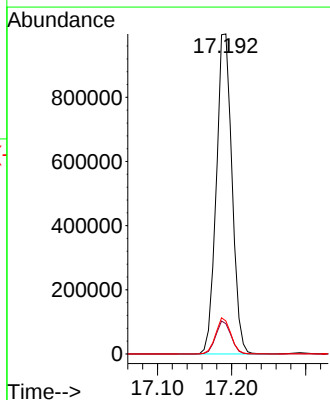
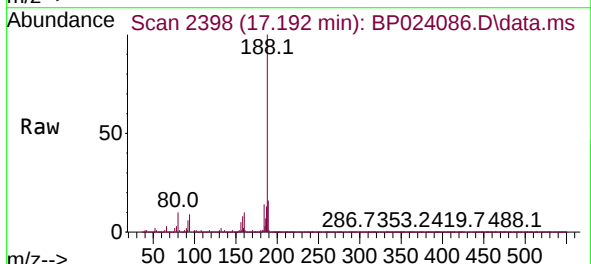
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Supervised By :Jagrut
Upadhyay

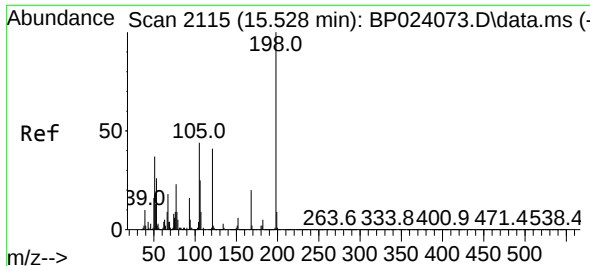
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:188 Resp: 1470452
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 10.3 8.2 12.2





#65
4,6-Dinitro-2-methylphenol
Concen: 12.567 ng
RT: 15.534 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025

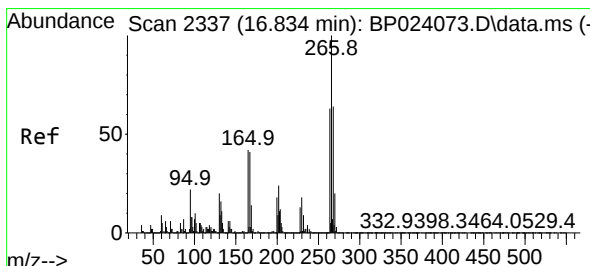
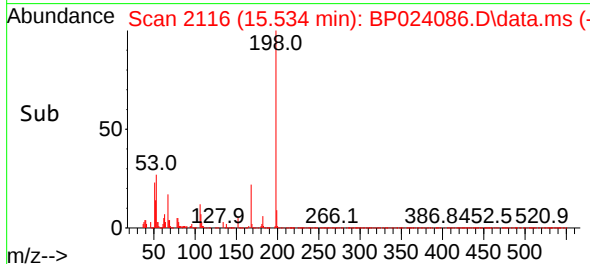
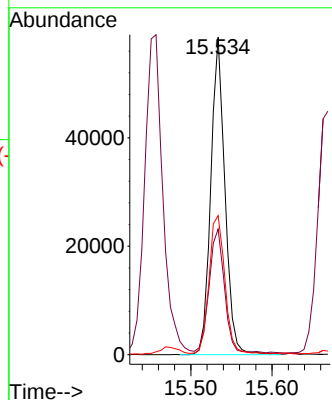
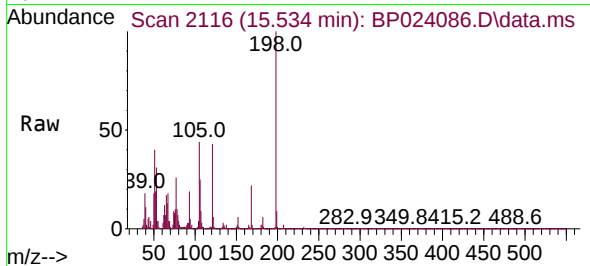
Tgt Ion:198 Resp: 70800
Ion Ratio Lower Upper
198 100
51 39.6 18.7 58.7
105 43.8 24.7 64.7

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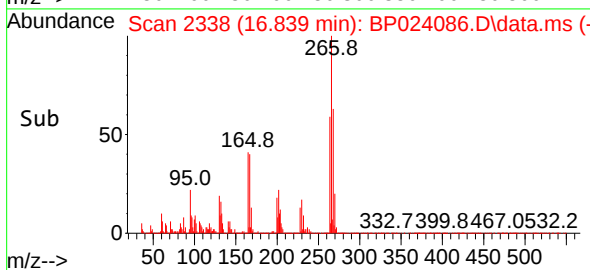
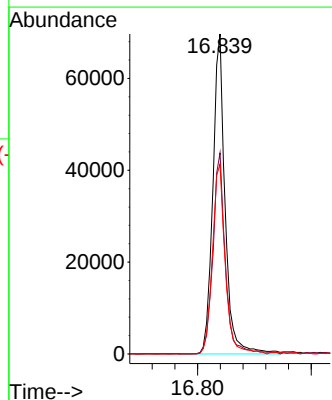
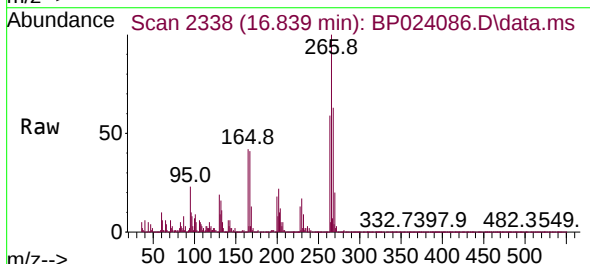
02/20/2025
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Upadhyay

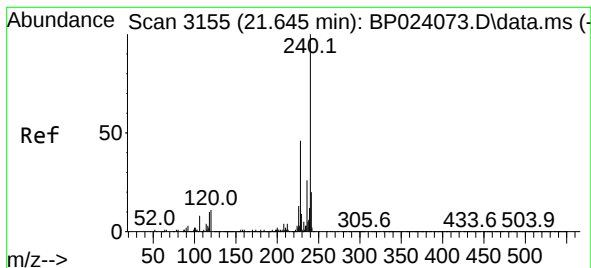
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#70
Pentachlorophenol
Concen: 8.233 ng
RT: 16.839 min Scan# 2338
Delta R.T. 0.005 min
Lab File: BP024086.D
Acq: 18 Feb 2025 16:36

Tgt Ion:266 Resp: 103896
Ion Ratio Lower Upper
266 100
268 62.9 51.3 76.9
264 59.3 50.5 75.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.645 min Scan# 3155

Delta R.T. -0.000 min

Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:240 Resp: 1444344

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.9	13.3
236	26.3	20.7	31.1

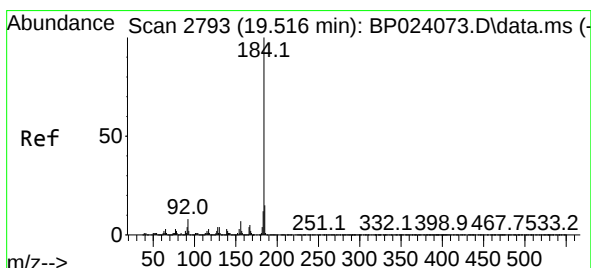
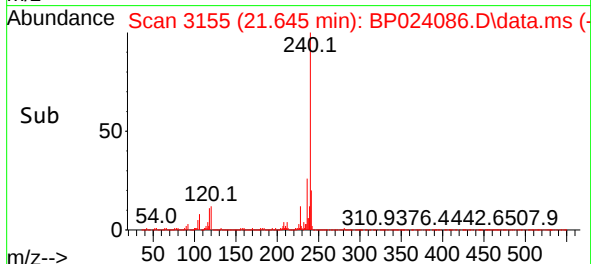
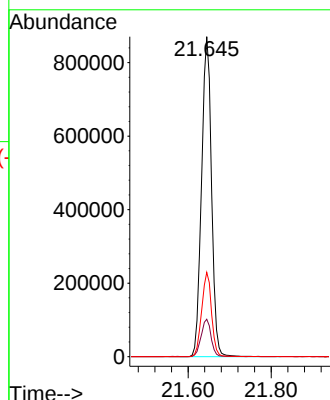
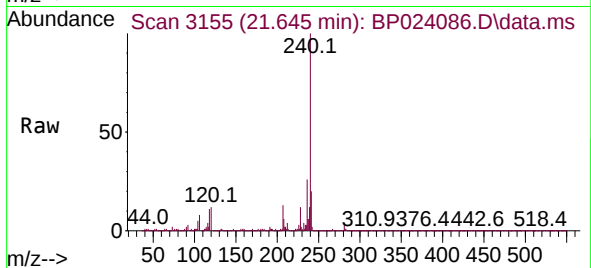
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Reviewed By :Rahul
Chavli

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Upadhyay

02/20/2025



#77

Benzidine

Concen: 21.813 ng

RT: 19.522 min Scan# 2794

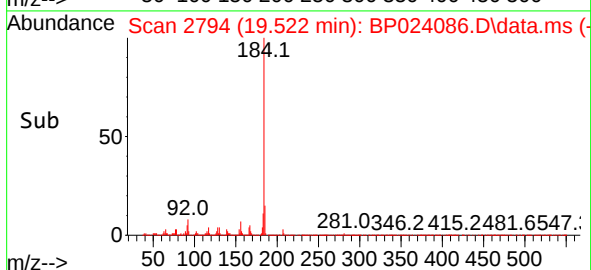
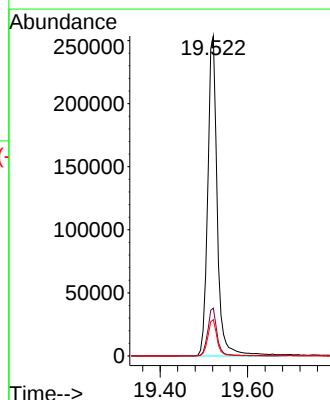
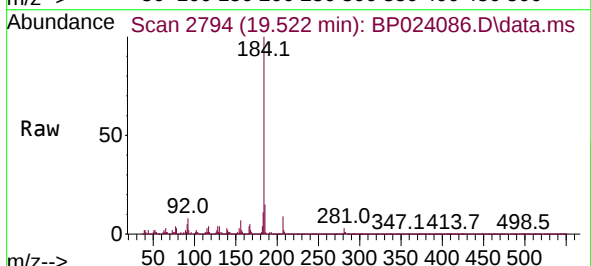
Delta R.T. 0.006 min

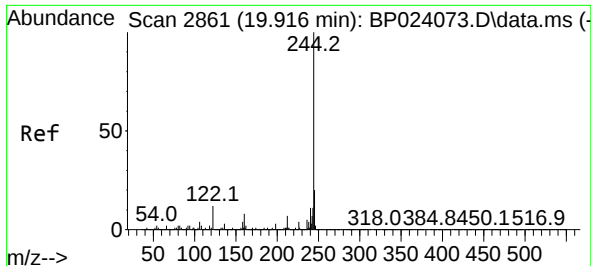
Lab File: BP024086.D

Acq: 18 Feb 2025 16:36

Tgt Ion:184 Resp: 383905

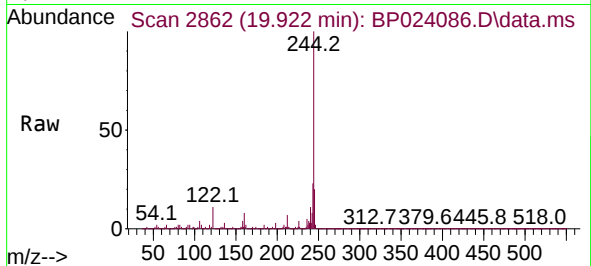
Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.8	17.8
183	11.3	9.3	13.9





#79
 Terphenyl-d14
 Concen: 87.283 ng
 RT: 19.922 min Scan# 2862
 Delta R.T. 0.006 min
 Lab File: BP024086.D
 Acq: 18 Feb 2025 16:36

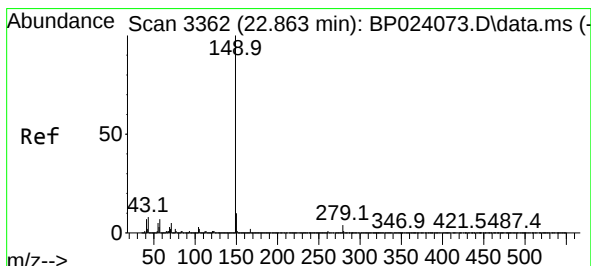
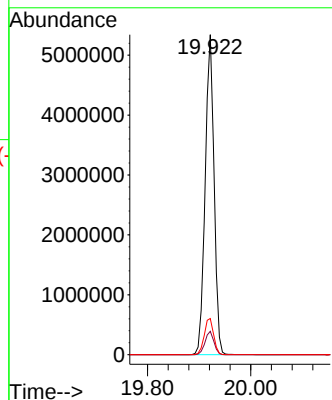
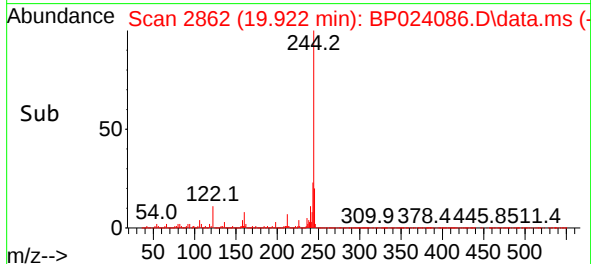
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



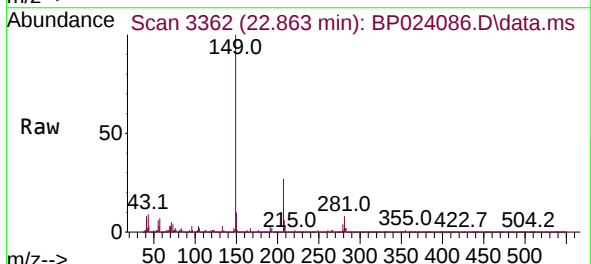
Tgt Ion:244 Resp: 637101
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.3 9.4 14.2

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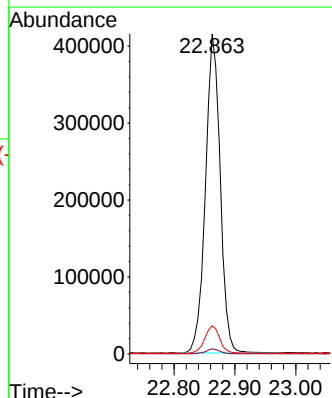
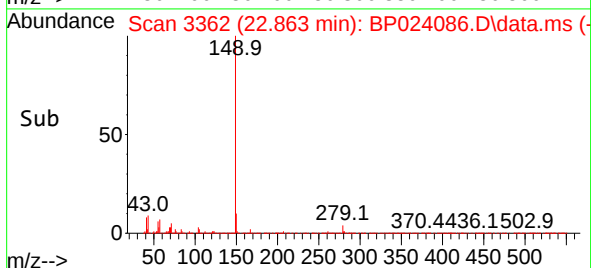
Reviewed By :Rahul Chavli 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

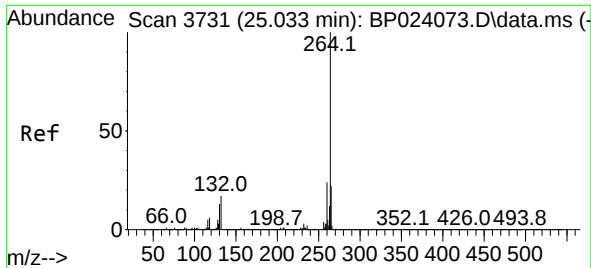


#85
 Di-n-octyl phthalate
 Concen: 8.174 ng
 RT: 22.863 min Scan# 3362
 Delta R.T. -0.000 min
 Lab File: BP024086.D
 Acq: 18 Feb 2025 16:36



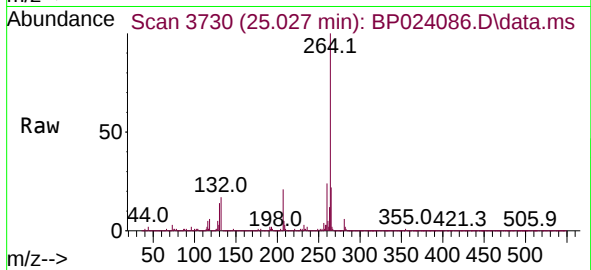
Tgt Ion:149 Resp: 696503
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 8.9 6.4 9.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.027 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP024086.D
 Acq: 18 Feb 2025 16:36

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:264 Resp: 1348770
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 21.7 17.8 26.8

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 Supervised By :Jagrut Upadhyay 02/20/2025

