

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111925\
 Data File : BP026158.D
 Acq On : 19 Nov 2025 14:50
 Operator : RC/JU
 Sample : Q3530-02
 Misc : LOQ-SOIL- 10ng
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 19 15:11:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/20/2025
 Supervised By :Sohil Jodhani 11/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.619	152	287372	20.000	ng	-0.05
21) Naphthalene-d8	10.402	136	1145211	20.000	ng	-0.05
39) Acenaphthene-d10	14.295	164	731810	20.000	ng	-0.03
64) Phenanthrene-d10	17.125	188	1483397	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1676242	20.000	ng	0.00
86) Perylene-d12	24.907	264	1845784	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	2042106	114.060	ng	-0.05
7) Phenol-d6	6.796	99	2628563	115.324	ng	-0.06
23) Nitrobenzene-d5	8.766	82	1710230	84.827	ng	-0.05
42) 2,4,6-Tribromophenol	15.831	330	1076009	113.343	ng	0.00
45) 2-Fluorobiphenyl	12.896	172	4122135	82.554	ng	-0.04
79) Terphenyl-d14	19.872	244	6628754	80.635	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.490	42	75828	9.668	ng	# 97
9) Benzaldehyde	6.766	77	153412	12.844	ng	98
15) Benzyl Alcohol	7.855	79	145675	8.724	ng	96
20) 3+4-Methylphenols	8.378	107	193140	8.339	ng	99
32) Benzoic acid	9.655	122	100060m	6.385	ng	
35) Caprolactam	11.331	113	52679	7.910	ng	97
41) Hexachlorocyclopentadiene	12.454	237	95310	6.581	ng	99
54) 2,4-Dinitrophenol	14.407	184	39607	6.058	ng	98
56) 4-Nitrophenol	14.531	139	82052	7.113	ng	99
65) 4,6-Dinitro-2-methylph...	15.454	198	64124	6.804	ng	91
70) Pentachlorophenol	16.766	266	105070	7.879	ng	99
77) Benzidine	19.472	184	385018	7.238	ng	99
82) 3,3'-Dichlorobenzidine	21.489	252	367825	8.786	ng	98
85) Di-n-octyl phthalate	22.807	149	1025884	8.007	ng	99

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

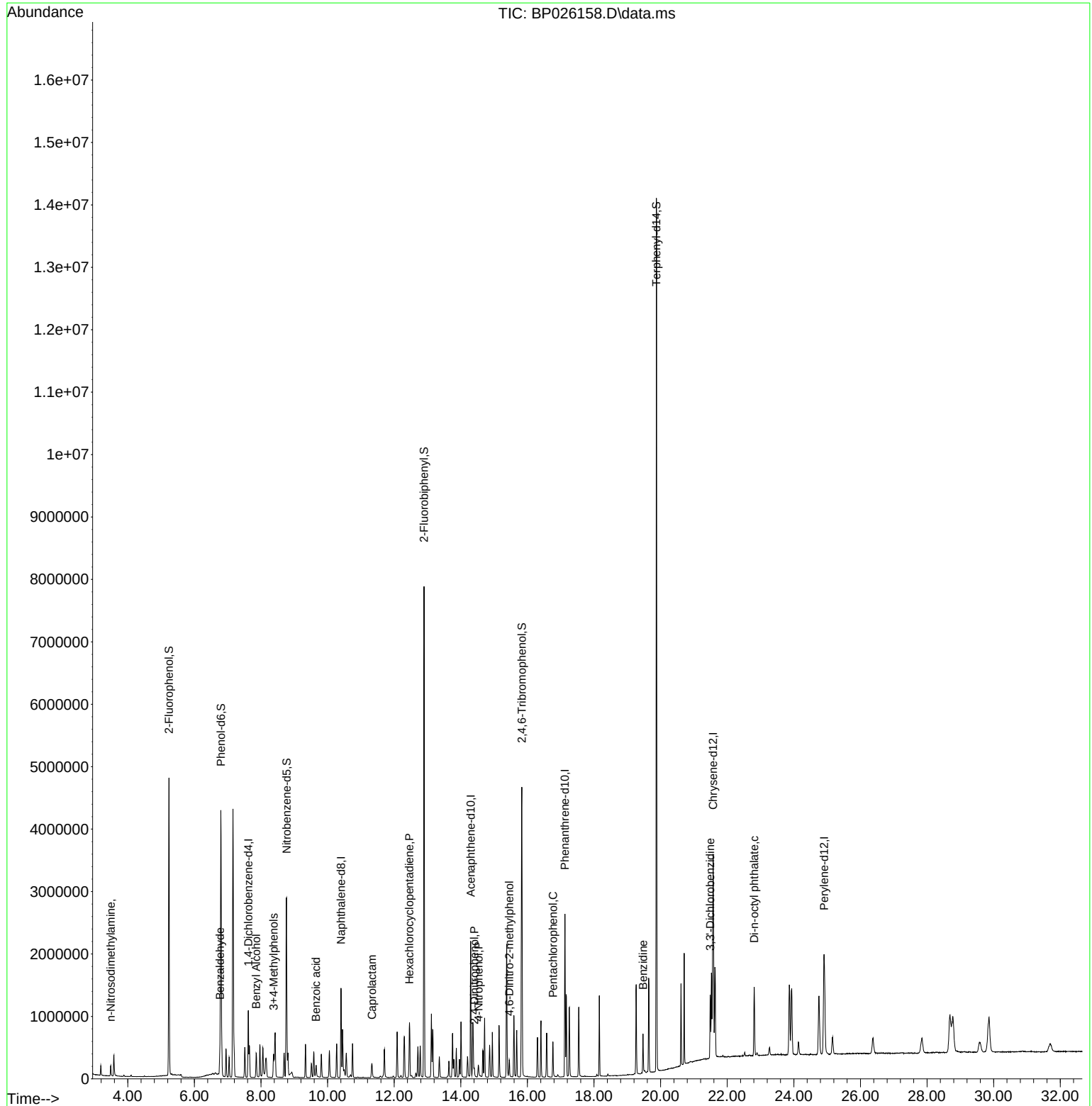
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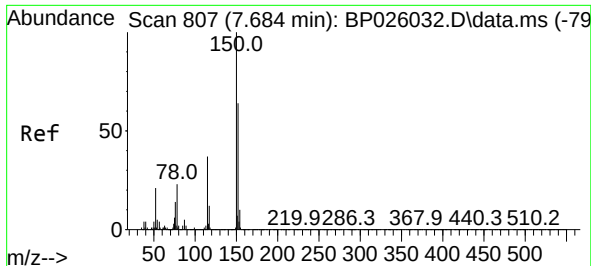
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025

Quant Time: Nov 19 15:11:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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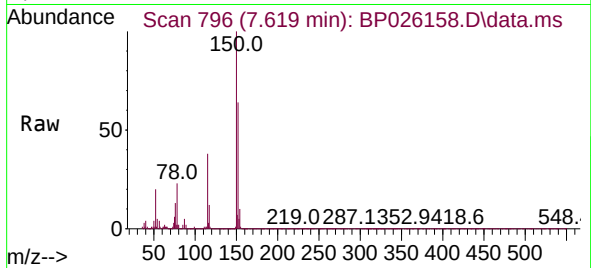
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.619 min Scan# 79
Delta R.T. -0.053 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

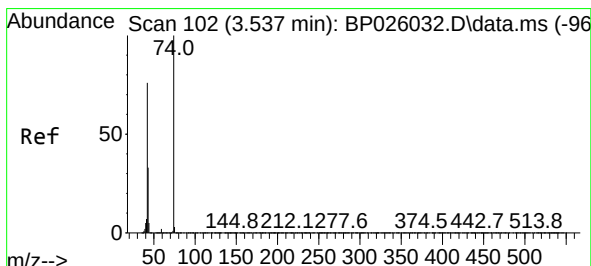
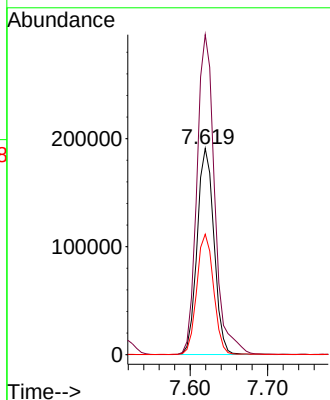
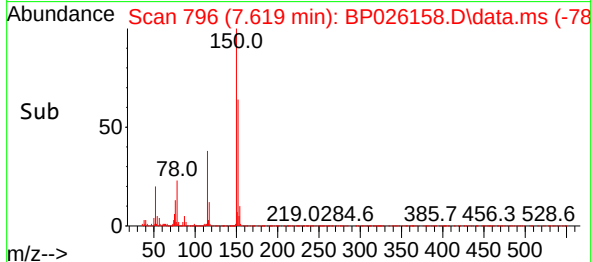
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025



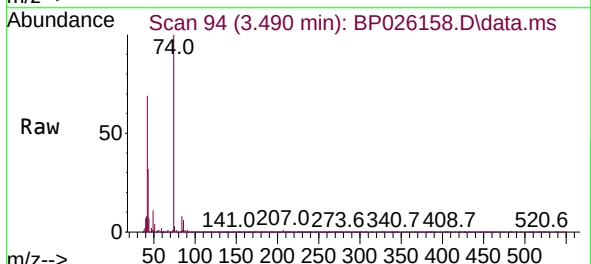
Tgt Ion:152 Resp: 287372
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.6
115 58.4 46.3 69.5

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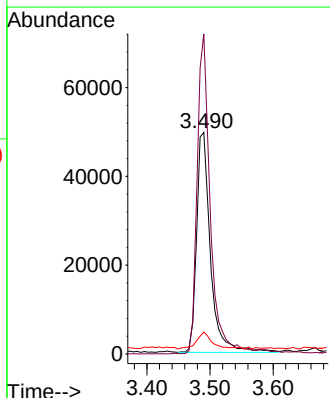
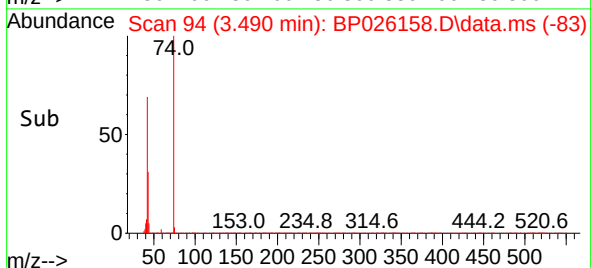
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025

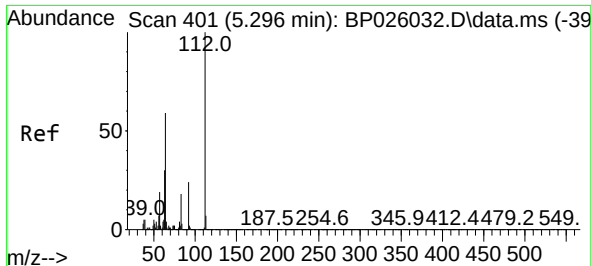


#4
n-Nitrosodimethylamine
Concen: 9.668 ng
RT: 3.490 min Scan# 94
Delta R.T. -0.035 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50



Tgt Ion: 42 Resp: 75828
Ion Ratio Lower Upper
42 100
74 144.6 118.1 177.1
44 9.8 6.2 9.4





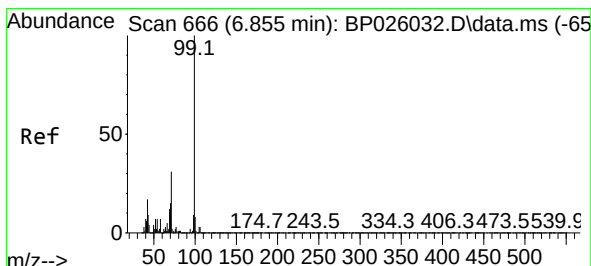
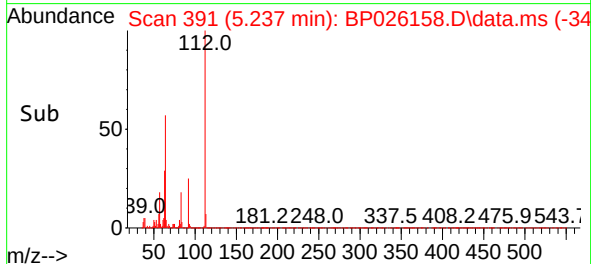
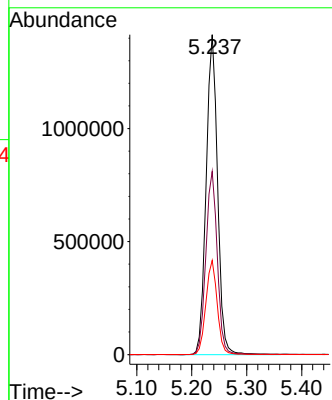
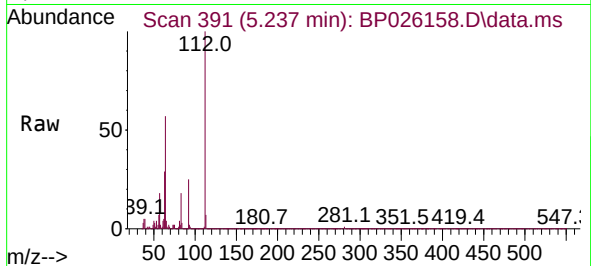
#5
2-Fluorophenol
Concen: 114.060 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.053 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

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

Tgt Ion:112 Resp: 2042106
Ion Ratio Lower Upper
112 100
64 57.2 45.8 68.6
63 29.4 23.5 35.3

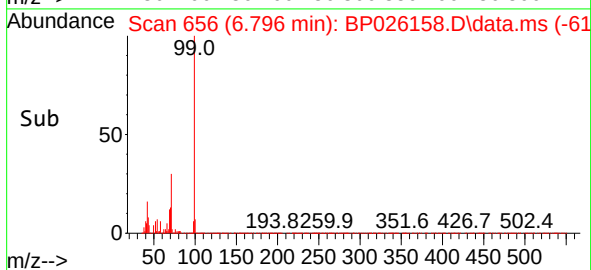
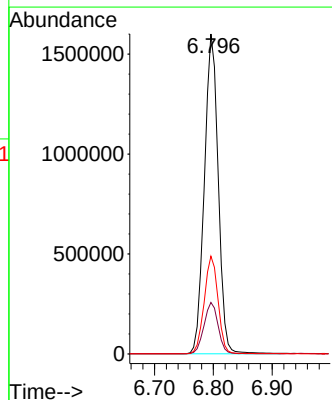
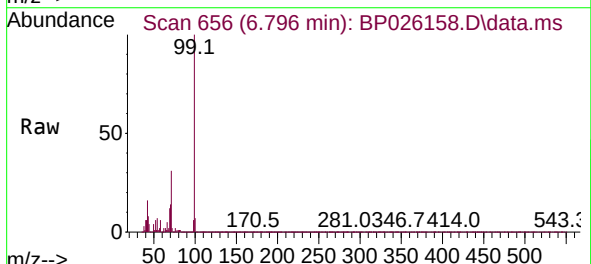
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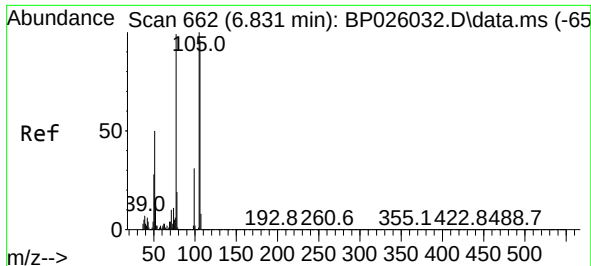
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Supervised By :Sohil Jodhani 11/20/2025



#7
Phenol-d6
Concen: 115.324 ng
RT: 6.796 min Scan# 656
Delta R.T. -0.059 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

Tgt Ion: 99 Resp: 2628563
Ion Ratio Lower Upper
99 100
42 16.1 12.9 19.3
71 30.5 24.8 37.2





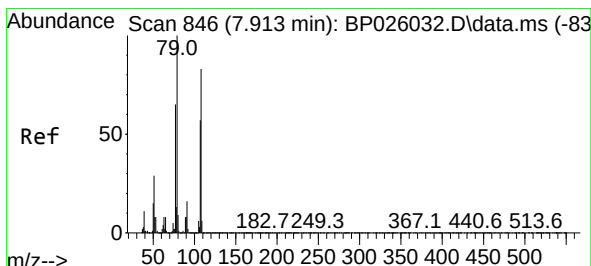
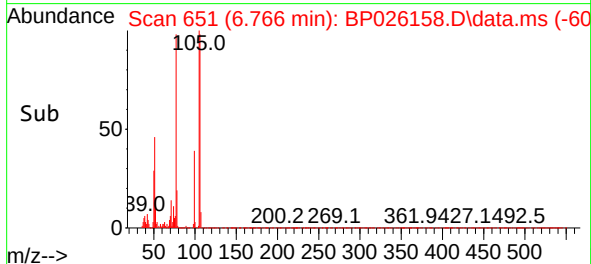
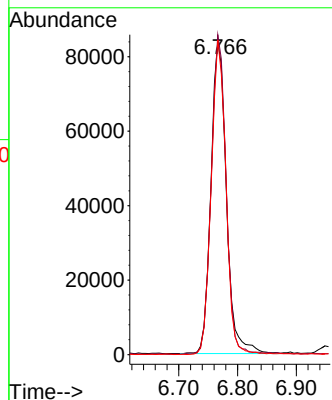
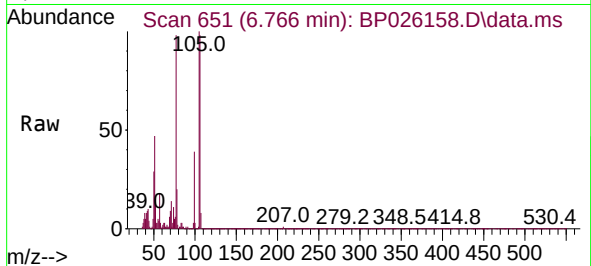
#9
Benzaldehyde
Concen: 12.844 ng
RT: 6.766 min Scan# 61
Delta R.T. -0.053 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

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

Tgt Ion: 77 Resp: 153412
Ion Ratio Lower Upper
77 100
105 102.0 82.9 122.9
106 100.3 77.8 117.8

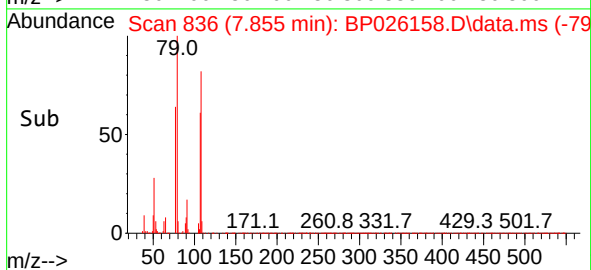
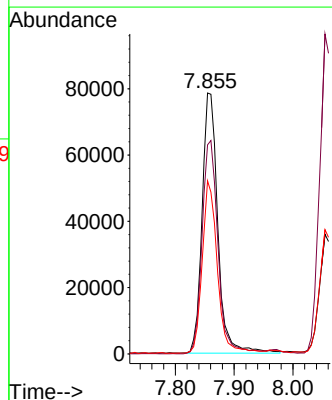
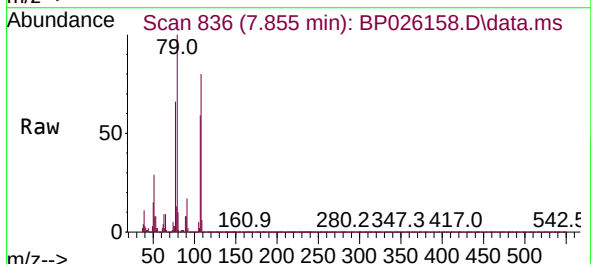
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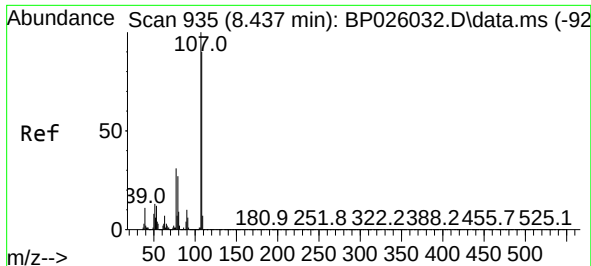
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#15
Benzyl Alcohol
Concen: 8.724 ng
RT: 7.855 min Scan# 836
Delta R.T. -0.053 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

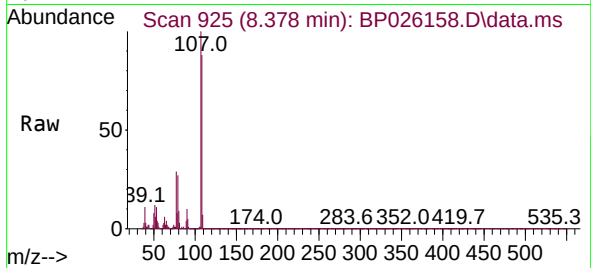
Tgt Ion: 79 Resp: 145675
Ion Ratio Lower Upper
79 100
108 80.1 66.2 99.4
77 66.3 50.0 75.0





#20
3+4-Methylphenols
Concen: 8.339 ng
RT: 8.378 min Scan# 91
Delta R.T. -0.059 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

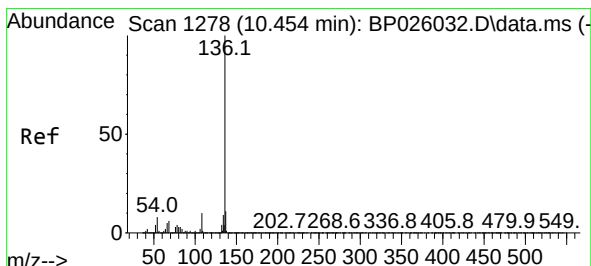
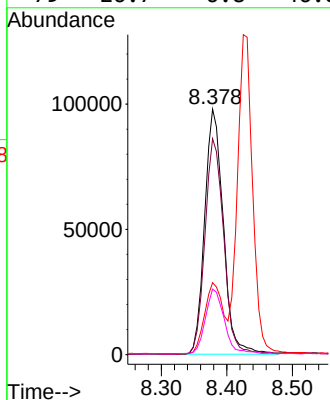
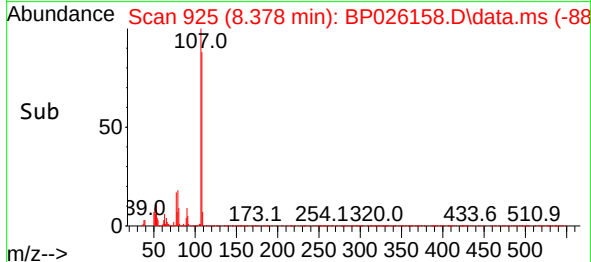
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025



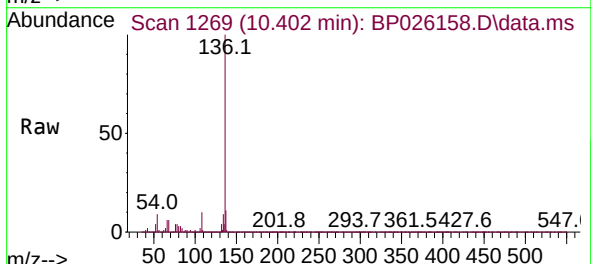
Tgt Ion:107 Resp: 193140
Ion Ratio Lower Upper
107 100
108 88.0 68.9 108.9
77 29.3 10.4 50.4
79 26.7 6.8 46.8

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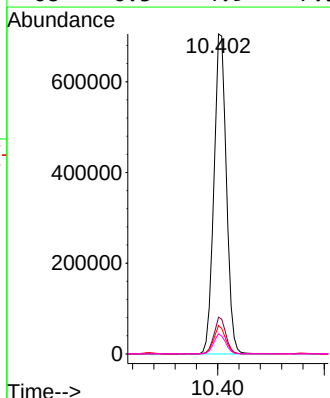
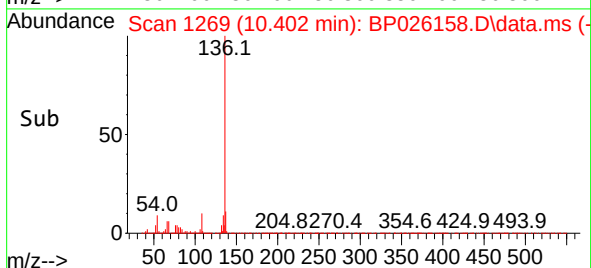
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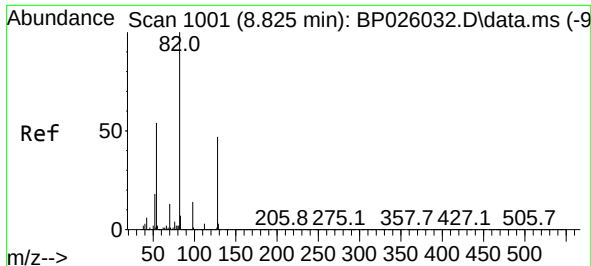


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.402 min Scan# 1269
Delta R.T. -0.047 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50



Tgt Ion:136 Resp: 1145211
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 8.8 6.4 9.6
68 6.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 84.827 ng

RT: 8.766 min Scan# 991

Delta R.T. -0.047 min

Lab File: BP026158.D

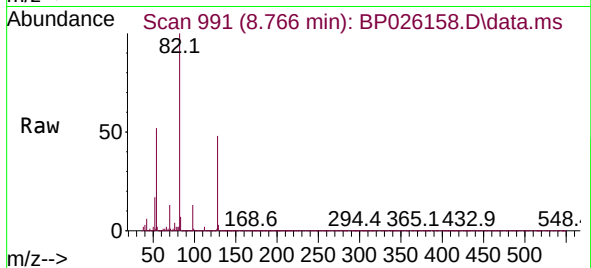
Acq: 19 Nov 2025 14:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025



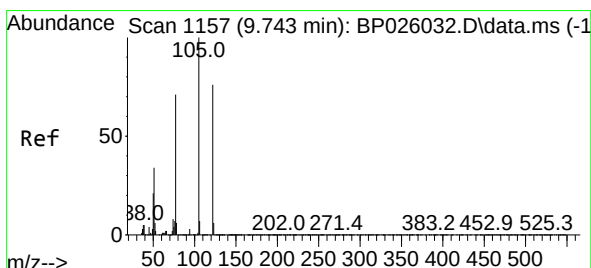
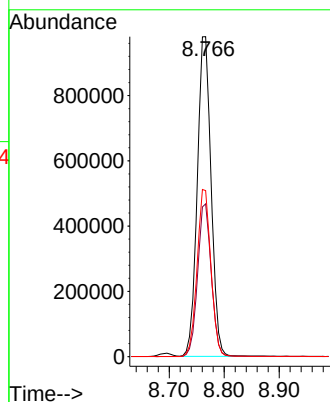
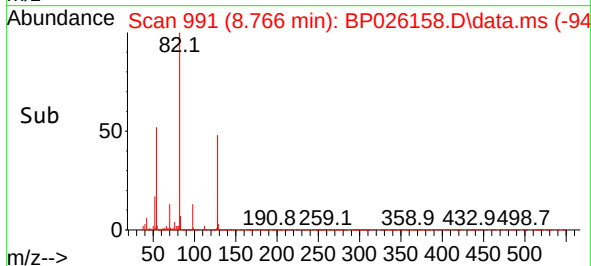
Tgt Ion: 82 Resp: 1710230

Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.4	56.0
54	51.9	41.6	62.4

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#32

Benzoic acid

Concen: 6.385 ng m

RT: 9.655 min Scan# 1142

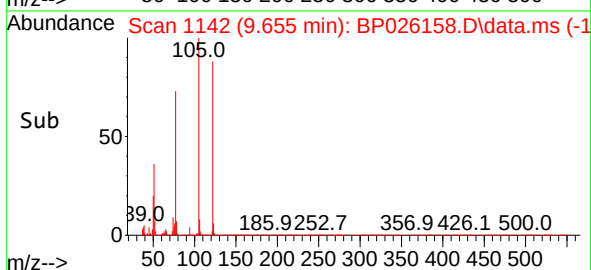
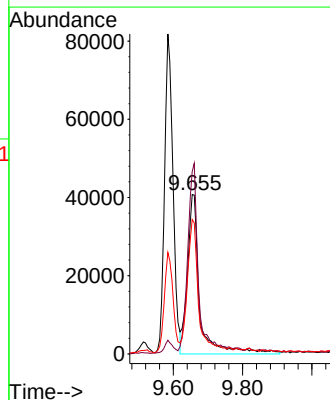
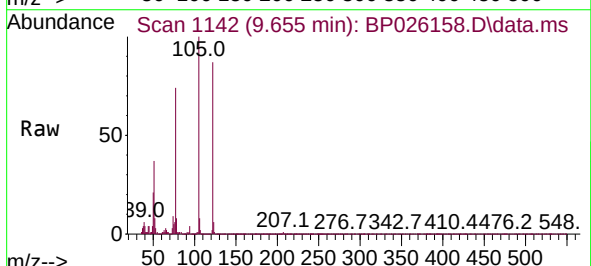
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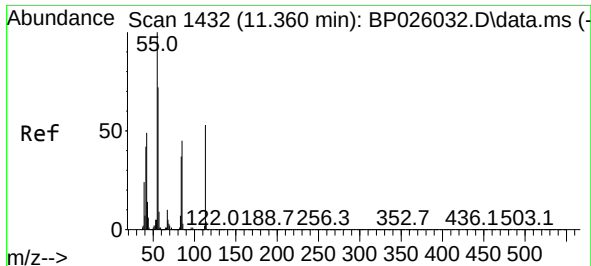
Lab File: BP026158.D

Acq: 19 Nov 2025 14:50

Tgt Ion:122 Resp: 100060

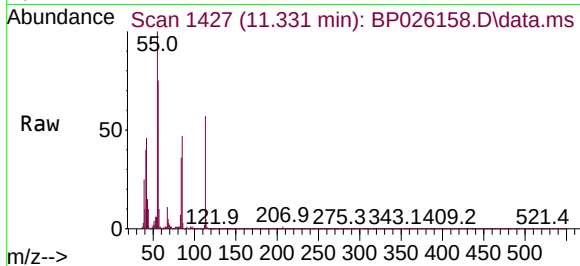
Ion	Ratio	Lower	Upper
122	100		
105	114.5	100.1	140.1
77	84.4	66.7	106.7





#35
Caprolactam
Concen: 7.910 ng
RT: 11.331 min Scan# 1432
Delta R.T. -0.047 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

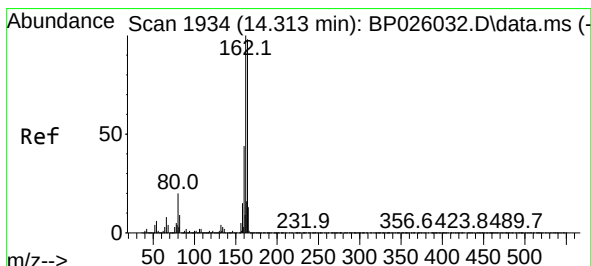
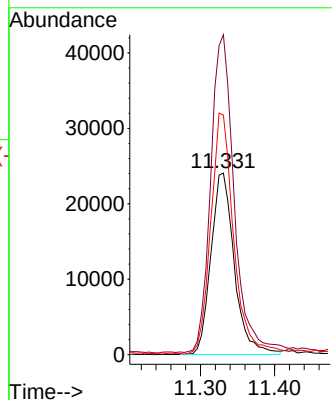
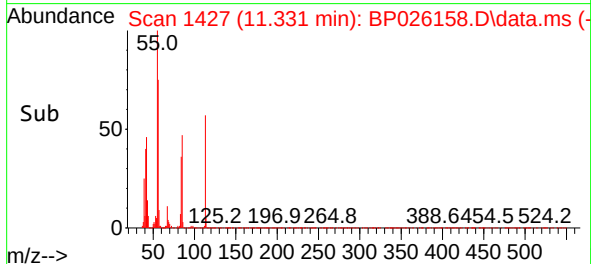
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion:113 Resp: 52679
Ion Ratio Lower Upper
113 100
55 176.3 153.0 193.0
56 131.9 106.4 146.4

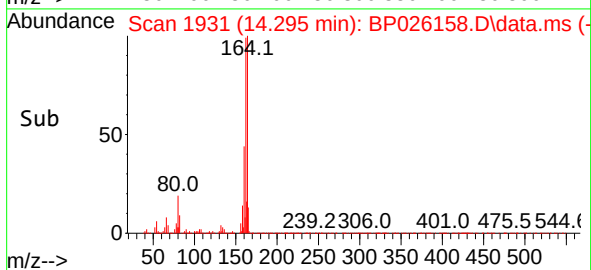
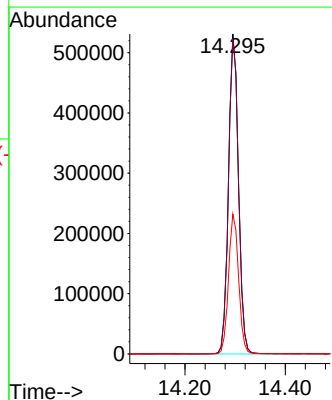
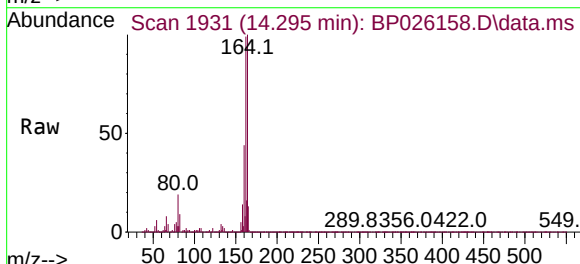
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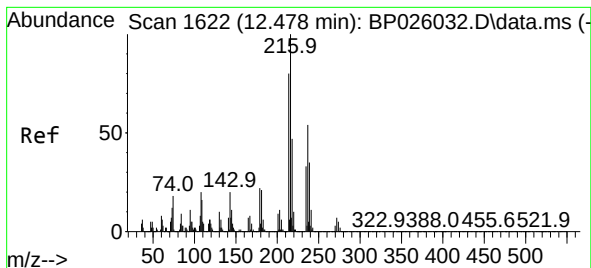
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.029 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

Tgt Ion:164 Resp: 731810
Ion Ratio Lower Upper
164 100
162 98.5 80.3 120.5
160 43.7 35.2 52.8





#41

Hexachlorocyclopentadiene

Concen: 6.581 ng

RT: 12.454 min Scan# 1618

Delta R.T. -0.017 min

Lab File: BP026158.D

Acq: 19 Nov 2025 14:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

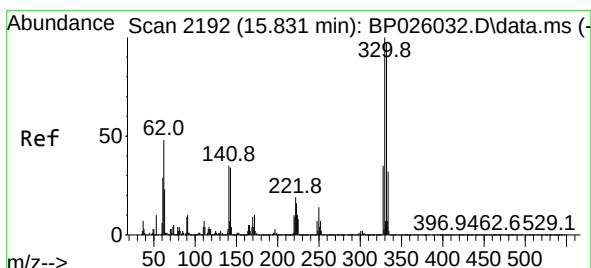
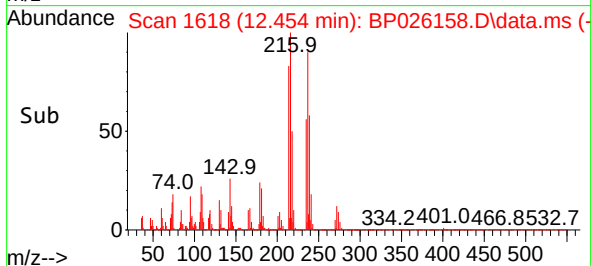
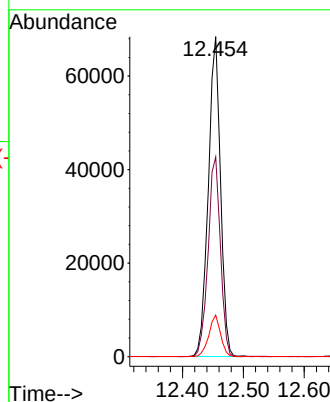
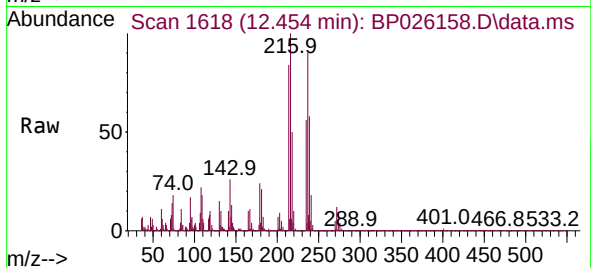
Tgt Ion:	237	Resp:	95310
Ion Ratio	Lower	Upper	
237	100		
235	62.4	43.3	83.3
272	13.0	0.0	32.9

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 113.343 ng

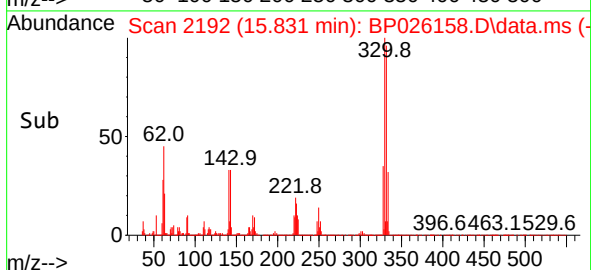
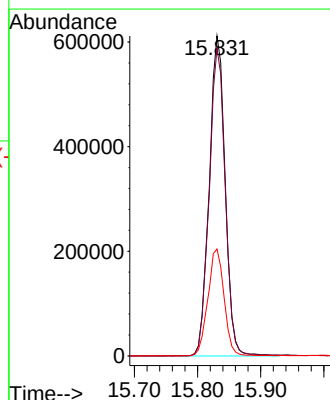
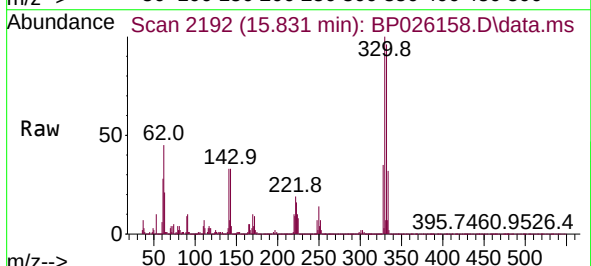
RT: 15.831 min Scan# 2192

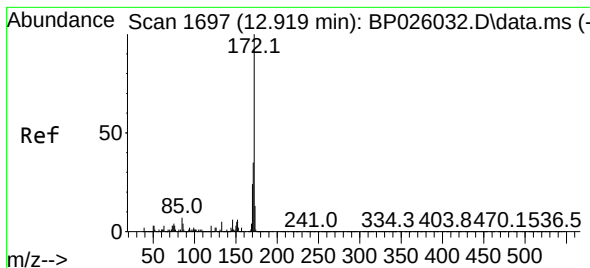
Delta R.T. -0.006 min

Lab File: BP026158.D

Acq: 19 Nov 2025 14:50

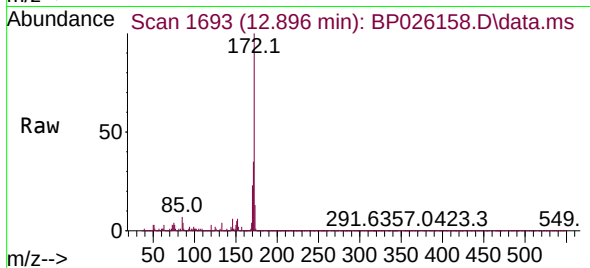
Tgt Ion:	330	Resp:	1076009
Ion Ratio	Lower	Upper	
330	100		
332	96.6	78.0	117.0
141	33.9	26.8	40.2





#45
2-Fluorobiphenyl
Concen: 82.554 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.035 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

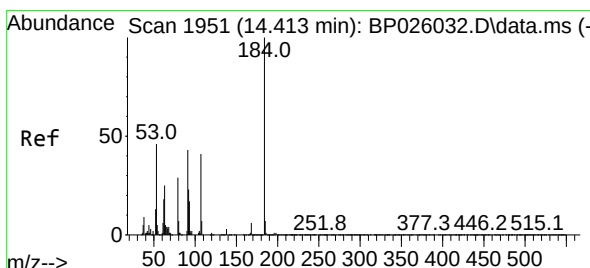
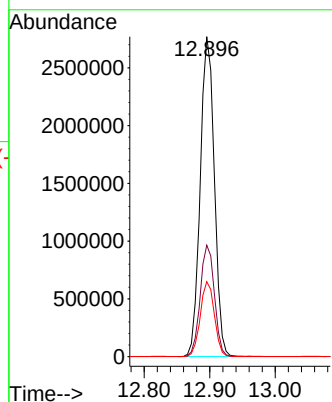
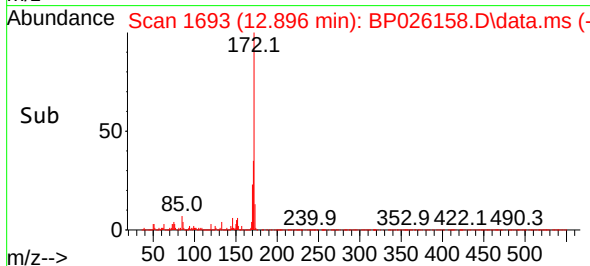
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2025



Tgt Ion:172 Resp: 4122135
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.4 18.7 28.1

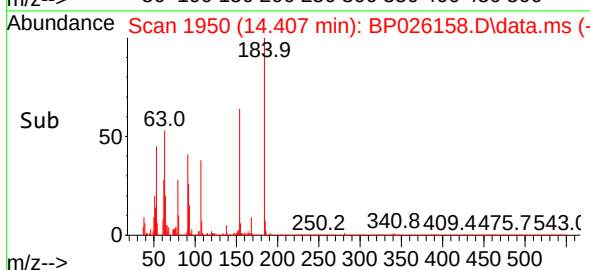
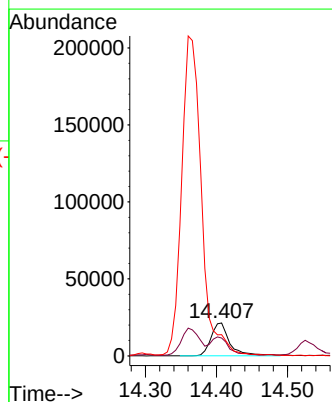
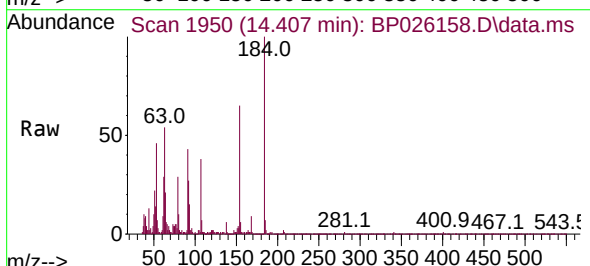
Manual Integrations
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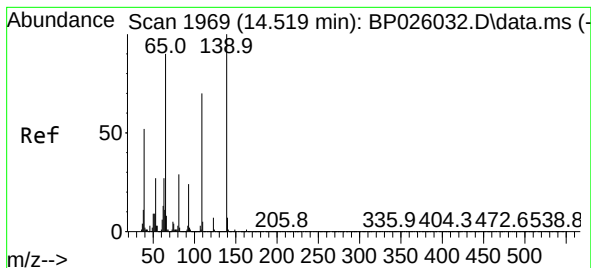
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#54
2,4-Dinitrophenol
Concen: 6.058 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.023 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

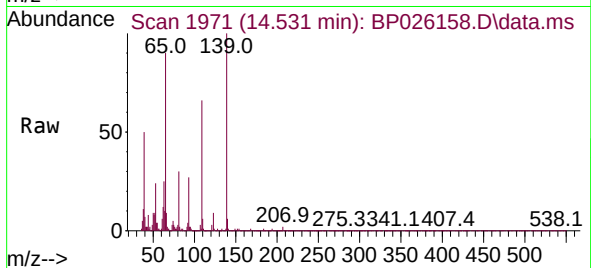
Tgt Ion:184 Resp: 39607
Ion Ratio Lower Upper
184 100
63 54.4 43.1 64.7
154 64.7 49.5 74.3





#56
4-Nitrophenol
Concen: 7.113 ng
RT: 14.531 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

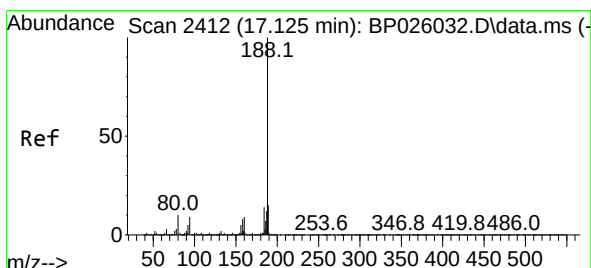
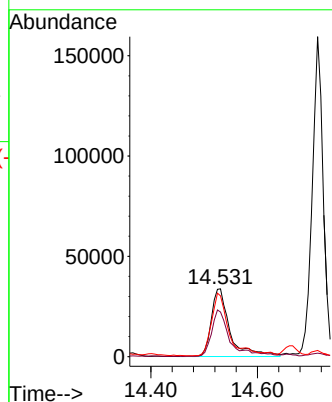
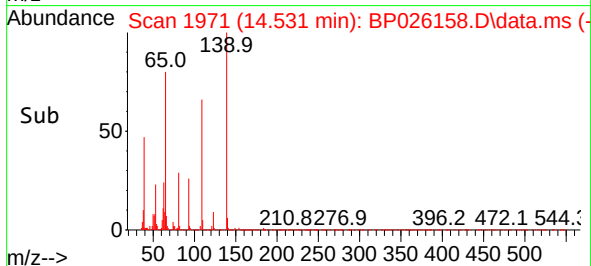
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2025



Tgt Ion:139 Resp: 82052
Ion Ratio Lower Upper
139 100
109 65.9 46.8 86.8
65 89.7 69.3 109.3

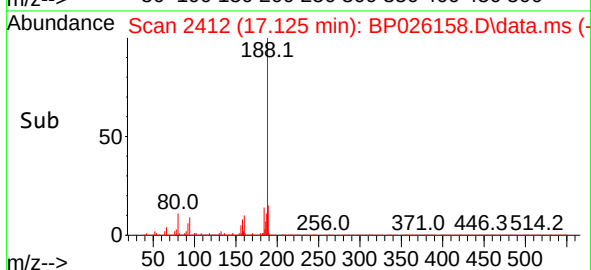
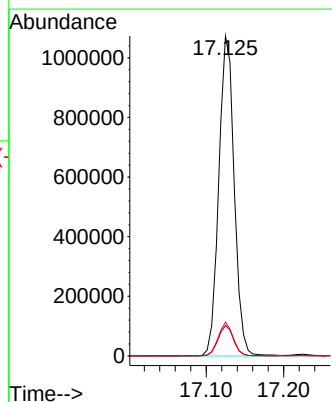
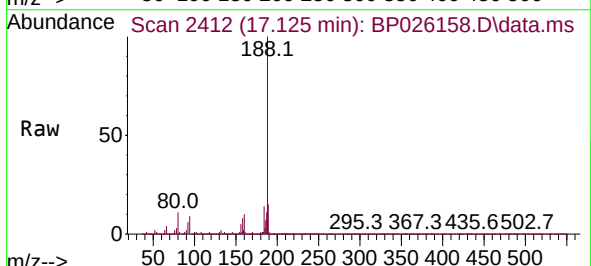
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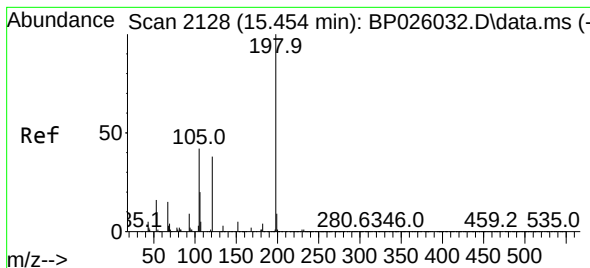
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

Tgt Ion:188 Resp: 1483397
Ion Ratio Lower Upper
188 100
94 9.5 7.8 11.6
80 10.5 8.2 12.2





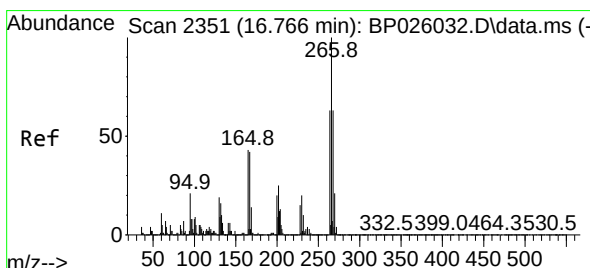
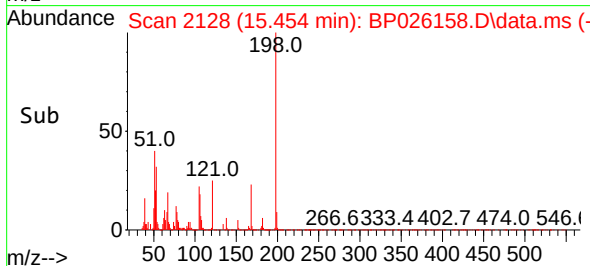
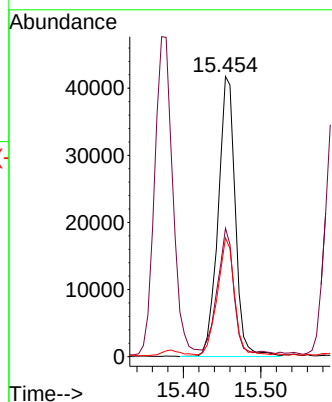
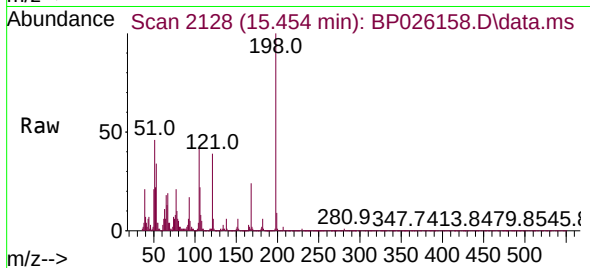
#65
4,6-Dinitro-2-methylphenol
Concen: 6.804 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

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

Tgt Ion:198 Resp: 64124
Ion Ratio Lower Upper
198 100
51 45.8 18.4 58.4
105 42.3 18.5 58.5

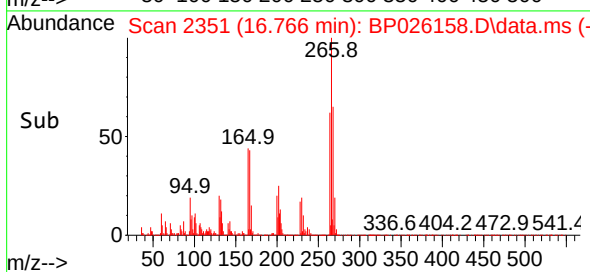
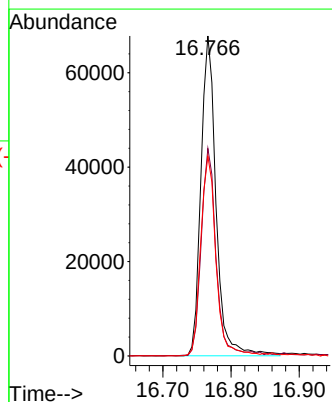
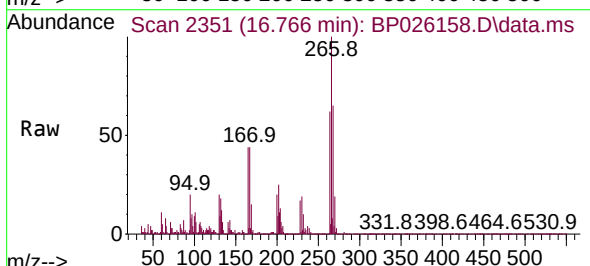
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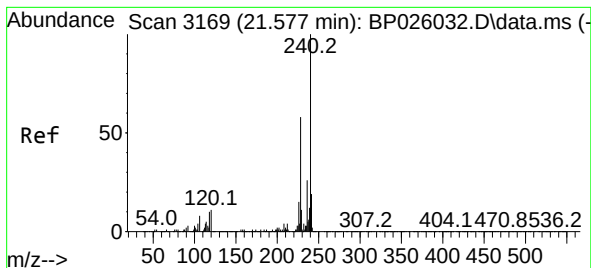
Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#70
Pentachlorophenol
Concen: 7.879 ng
RT: 16.766 min Scan# 2351
Delta R.T. -0.012 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

Tgt Ion:266 Resp: 105070
Ion Ratio Lower Upper
266 100
268 64.8 51.0 76.4
264 62.4 50.2 75.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 3169

Delta R.T. 0.006 min

Lab File: BP026158.D

Acq: 19 Nov 2025 14:50

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion:240 Resp: 167624

Ion Ratio Lower Upper

240 100

120 12.0 9.0 13.4

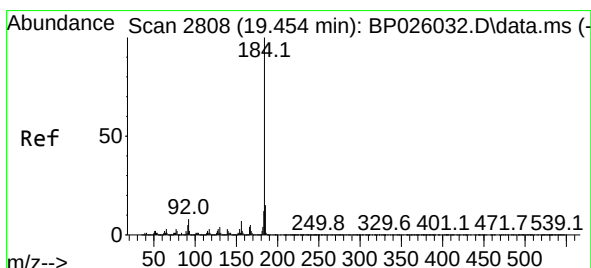
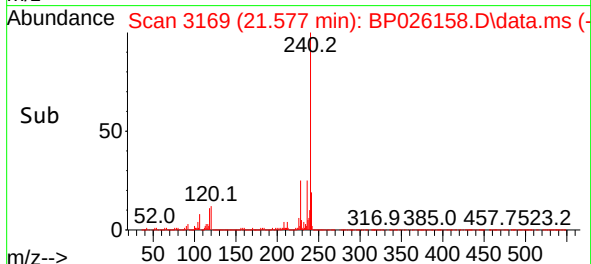
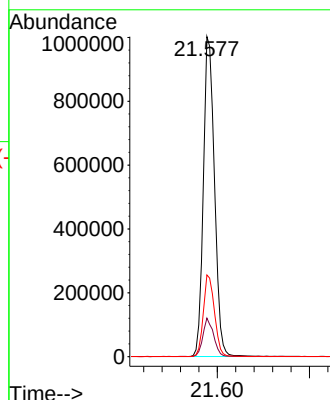
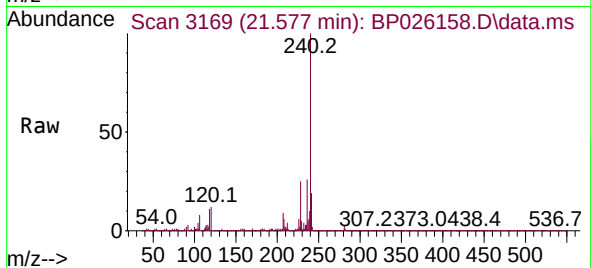
236 25.5 20.4 30.6

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Reviewed By :Jagrut Upadhyay 11/20/2025

Supervised By :Sohil Jodhani 11/20/2025



#77

Benzidine

Concen: 7.238 ng

RT: 19.472 min Scan# 2811

Delta R.T. 0.006 min

Lab File: BP026158.D

Acq: 19 Nov 2025 14:50

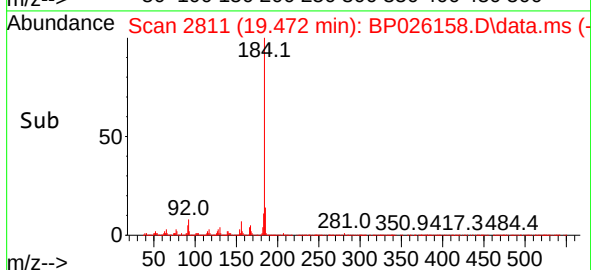
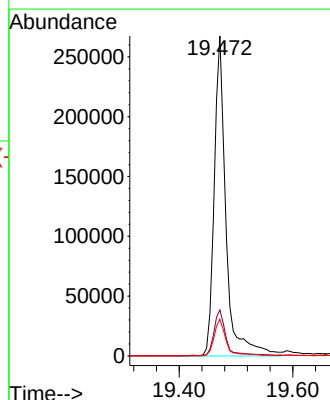
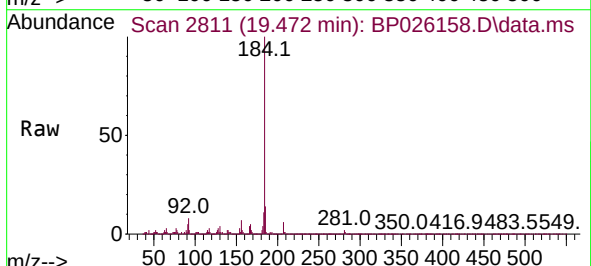
Tgt Ion:184 Resp: 385018

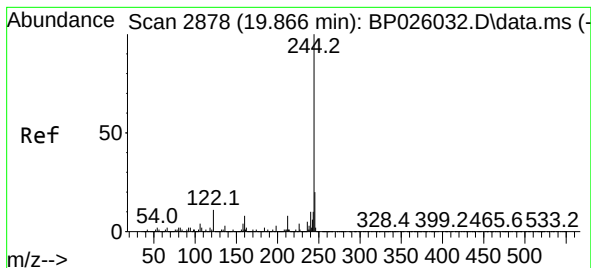
Ion Ratio Lower Upper

184 100

185 14.4 11.3 16.9

183 11.4 9.0 13.6





#79

Terphenyl-d14

Concen: 80.635 ng

RT: 19.872 min Scan# 2878

Delta R.T. 0.000 min

Lab File: BP026158.D

Acq: 19 Nov 2025 14:50

Instrument :

BNA_P

ClientSampleId :

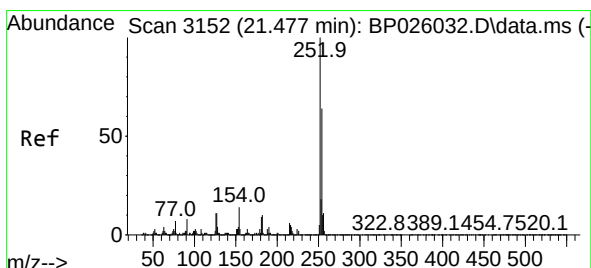
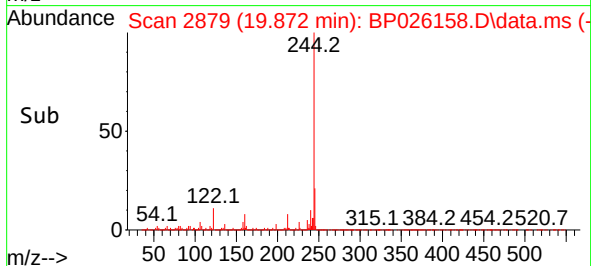
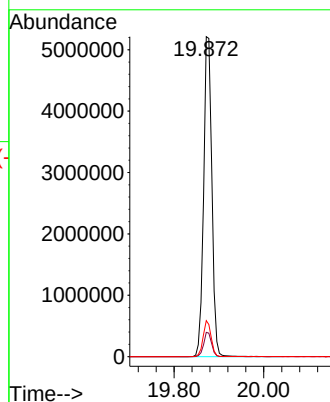
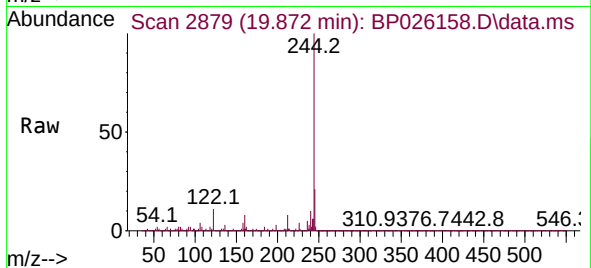
LOQ-SOIL-02-QT4-2025

Tgt Ion:244 Resp: 6628754
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 11.2 8.2 12.2

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Reviewed By :Jagrut Upadhyay 11/20/2025
 Supervised By :Sohil Jodhani 11/20/2025



#82

3,3'-Dichlorobenzidine

Concen: 8.786 ng

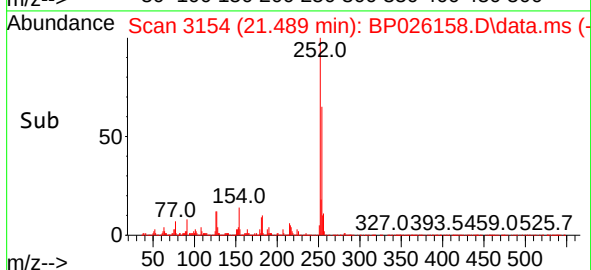
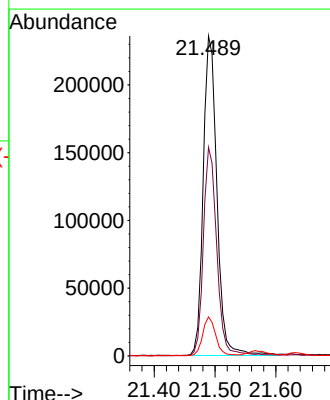
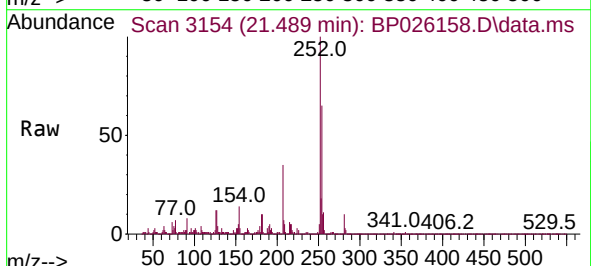
RT: 21.489 min Scan# 3154

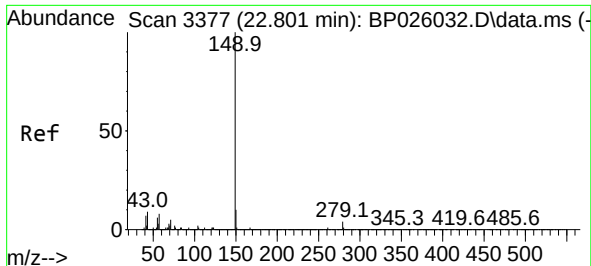
Delta R.T. 0.000 min

Lab File: BP026158.D

Acq: 19 Nov 2025 14:50

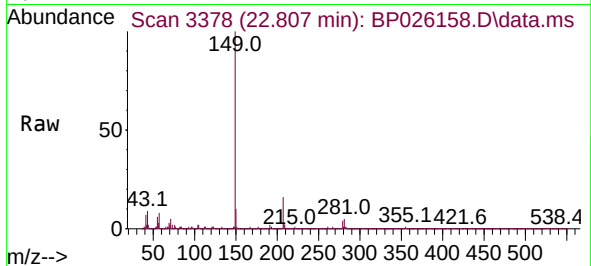
Tgt Ion:252 Resp: 367825
 Ion Ratio Lower Upper
 252 100
 254 65.2 51.2 76.8
 126 12.2 8.2 12.4





#85
Di-n-octyl phthalate
Concen: 8.007 ng
RT: 22.807 min Scan# 3377
Delta R.T. 0.000 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

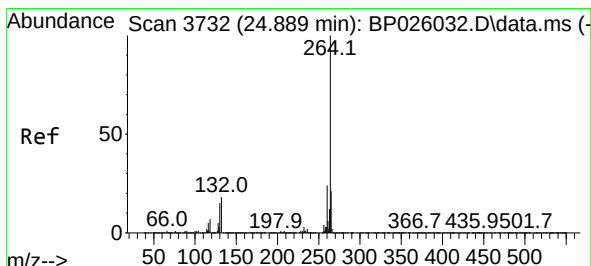
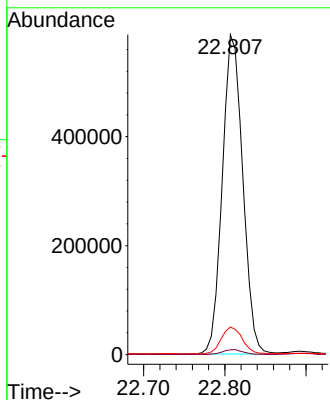
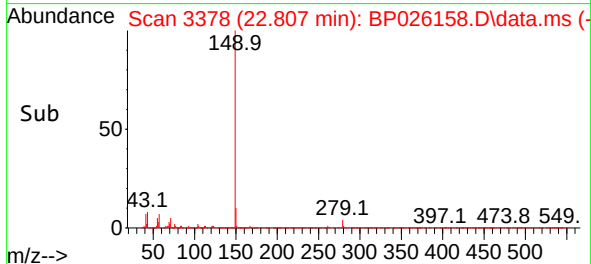
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2025



Tgt Ion:149 Resp: 1025884
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.7 6.6 10.0

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Reviewed By :Jagrut Upadhyay 11/20/2025
Supervised By :Sohil Jodhani 11/20/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP026158.D
Acq: 19 Nov 2025 14:50

Tgt Ion:264 Resp: 1845784
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.9 17.5 26.3

