

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024082.D
 Acq On : 18 Feb 2025 13:10
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 18 13:43:03 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	343683	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1509170	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	924743	20.000	ng	0.00
64) Phenanthrene-d10	17.187	188	1668106	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1421799	20.000	ng	0.00
86) Perylene-d12	25.021	264	1361716	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	3646046	165.535	ng	0.00
7) Phenol-d6	6.946	99	4860010	171.676	ng	0.00
23) Nitrobenzene-d5	8.905	82	2424900	89.640	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1912724	168.863	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	5865389	88.671	ng	0.00
79) Terphenyl-d14	19.910	244	6967240	96.964	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	54641	6.324	ng	98
3) Pyridine	3.717	79	125972	5.608	ng	98
4) n-Nitrosodimethylamine	3.617	42	49771	6.246	ng	# 92
6) Aniline	7.093	93	194109	7.487	ng	98
8) 2-Chlorophenol	7.334	128	150067	6.437	ng	98
9) Benzaldehyde	6.911	77	132813	10.276	ng	99
10) Phenol	6.969	94	184235m	6.472	ng	
11) bis(2-Chloroethyl)ether	7.187	93	143423m	6.397	ng	
12) 1,3-Dichlorobenzene	7.652	146	162885	6.360	ng	98
13) 1,4-Dichlorobenzene	7.793	146	167101	6.452	ng	98
14) 1,2-Dichlorobenzene	8.111	146	160941	6.475	ng	99
15) Benzyl Alcohol	7.999	79	106652	6.155	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.275	45	158992	7.305	ng	98
17) 2-Methylphenol	8.205	107	104634	6.032	ng	99
18) Hexachloroethane	8.834	117	59743	6.405	ng	99
19) n-Nitroso-di-n-propyla...	8.558	70	102438m	6.730	ng	
20) 3+4-Methylphenols	8.528	107	141432	5.993	ng	96
22) Acetophenone	8.575	105	234767	6.054	ng	# 98
24) Nitrobenzene	8.952	77	173049	6.500	ng	98
25) Isophorone	9.469	82	266875	6.033	ng	98
26) 2-Nitrophenol	9.658	139	59206	4.827	ng	98
27) 2,4-Dimethylphenol	9.722	122	98373	6.110	ng	99
28) bis(2-Chloroethoxy)met...	9.946	93	201548	6.289	ng	99
29) 2,4-Dichlorophenol	10.193	162	112178	5.105	ng	99
30) 1,2,4-Trichlorobenzene	10.405	180	149320	5.931	ng	100
31) Naphthalene	10.587	128	493921	6.087	ng	100
32) Benzoic acid	9.799	122	47788	9.876	ng	91
33) 4-Chloroaniline	10.699	127	181942	6.364	ng	99
34) Hexachlorobutadiene	10.875	225	87804	6.022	ng	98
35) Caprolactam	11.475	113	30030	9.160	ng	95
36) 4-Chloro-3-methylphenol	11.828	107	119758	5.302	ng	97
37) 2-Methylnaphthalene	12.199	142	334772	6.207	ng	99
38) 1-Methylnaphthalene	12.416	142	317754	6.056	ng	99
40) 1,2,4,5-Tetrachloroben...	12.563	216	168006	5.913	ng	100
41) Hexachlorocyclopentadiene	12.546	237	70083	6.629	ng	99
43) 2,4,6-Trichlorophenol	12.810	196	84569	4.881	ng	99

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
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Manual Integrations
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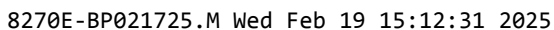
Reviewed By :Rahul Chavli 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

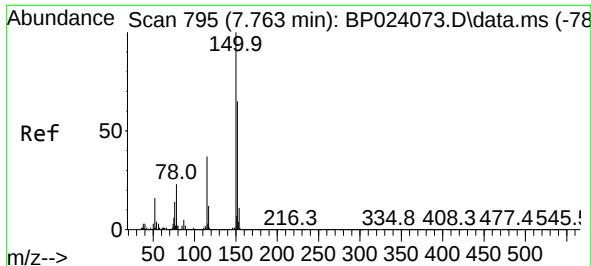
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	95971	5.064	ng	99
46) 1,1'-Biphenyl	13.210	154	453374	6.309	ng	99
47) 2-Chloronaphthalene	13.251	162	333223	6.134	ng	99
48) 2-Nitroaniline	13.457	65	65807	5.128	ng	96
49) Acenaphthylene	14.104	152	488262	6.101	ng	100
50) Dimethylphthalate	13.840	163	383422	5.878	ng	100
51) 2,6-Dinitrotoluene	13.951	165	72265	5.439	ng	97
52) Acenaphthene	14.451	154	315921	6.130	ng	99
53) 3-Nitroaniline	14.287	138	71860	5.068	ng	# 93
54) 2,4-Dinitrophenol	14.498	184	22724	10.121	ng	95
55) Dibenzofuran	14.793	168	493343	5.892	ng	99
56) 4-Nitrophenol	14.622	139	48802	3.985	ng	96
57) 2,4-Dinitrotoluene	14.751	165	84349	4.887	ng	92
58) Fluorene	15.451	166	384463	5.880	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.028	232	84467	5.137	ng	99
60) Diethylphthalate	15.222	149	366946	5.667	ng	98
61) 4-Chlorophenyl-phenyle...	15.445	204	188159	5.846	ng	98
62) 4-Nitroaniline	15.469	138	68423	7.084	ng	96
63) Azobenzene	15.745	77	347056	5.720	ng	96
65) 4,6-Dinitro-2-methylph...	15.528	198	34781	8.849	ng	96
66) n-Nitrosodiphenylamine	15.669	169	307545	5.912	ng	98
67) 4-Bromophenyl-phenylether	16.357	248	106858	5.705	ng	99
68) Hexachlorobenzene	16.475	284	134316	6.094	ng	100
69) Atrazine	16.640	200	88160	6.604	ng	99
70) Pentachlorophenol	16.834	266	53653	3.748	ng	98
71) Phenanthrene	17.228	178	575219	6.116	ng	99
72) Anthracene	17.322	178	530213	5.883	ng	99
73) Carbazole	17.604	167	467064	5.439	ng	99
74) Di-n-butylphthalate	18.198	149	480448	4.795	ng	99
75) Fluoranthene	19.316	202	532028	5.002	ng	98
77) Benzidine	19.516	184	163862	9.458	ng	98
78) Pyrene	19.692	202	565252	6.259	ng	99
80) Butylbenzylphthalate	20.645	149	165305	4.777	ng	97
81) Benzo(a)anthracene	21.622	228	528185	5.924	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	139354	5.002	ng	98
83) Chrysene	21.686	228	522187	6.074	ng	99
84) Bis(2-ethylhexyl)phtha...	21.569	149	240064	4.574	ng	99
85) Di-n-octyl phthalate	22.851	149	313733	3.740	ng	97
87) Indeno(1,2,3-cd)pyrene	28.851	276	558902m	5.769	ng	
88) Benzo(b)fluoranthene	23.945	252	467175	5.403	ng	98
89) Benzo(k)fluoranthene	24.016	252	488192	5.800	ng	99
90) Benzo(a)pyrene	24.857	252	416356	5.674	ng	98
91) Dibenzo(a,h)anthracene	28.933	278	460634	5.655	ng	100
92) Benzo(g,h,i)perylene	30.027	276	437278	5.290	ng	99

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

Manual Integrations APPROVED

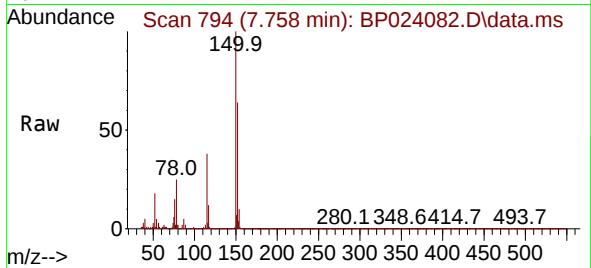
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

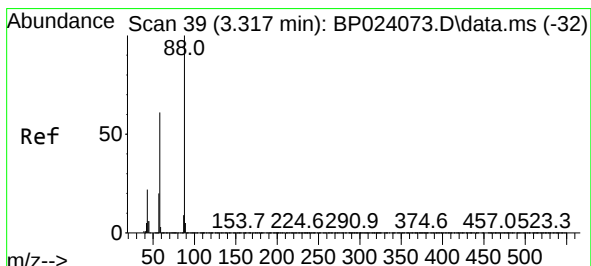
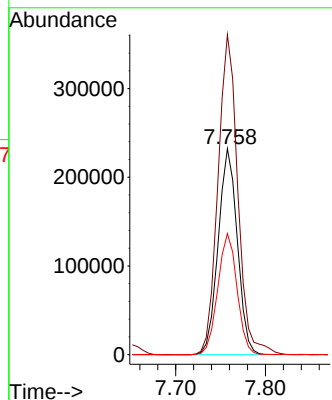
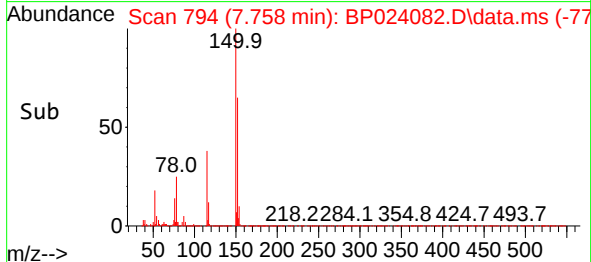
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 34368
Ion Ratio Lower Upper
152 100
150 155.3 122.4 183.6
115 58.7 45.0 67.6

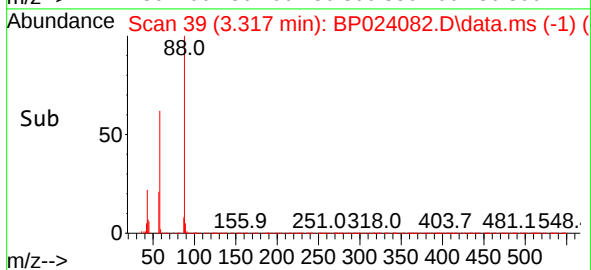
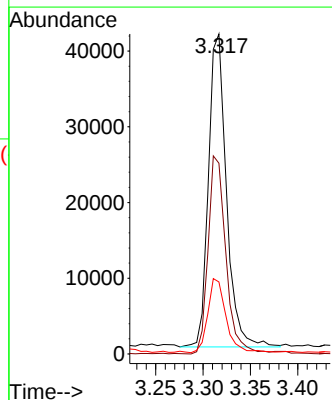
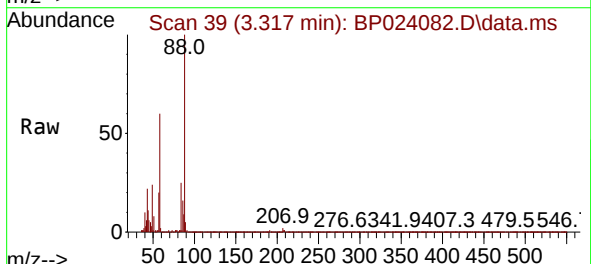
Manual Integrations
APPROVED

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Supervised By :Jagrut Upadhyay 02/20/2025



#2
1,4-Dioxane
Concen: 6.324 ng
RT: 3.317 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

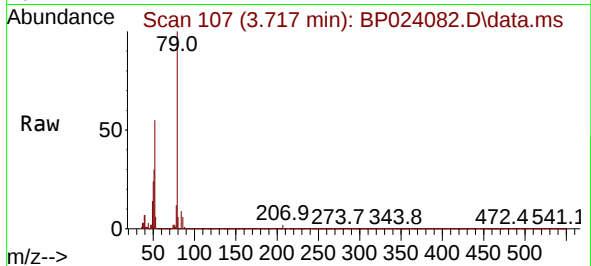
Tgt Ion: 88 Resp: 54641
Ion Ratio Lower Upper
88 100
58 62.2 49.1 73.7
43 23.9 18.0 27.0





#3
Pyridine
Concen: 5.608 ng
RT: 3.717 min Scan# 106
Delta R.T. 0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

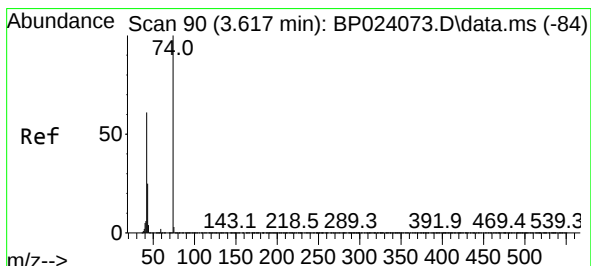
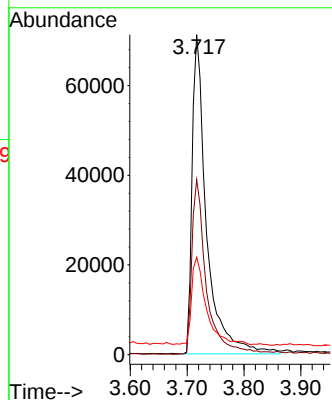
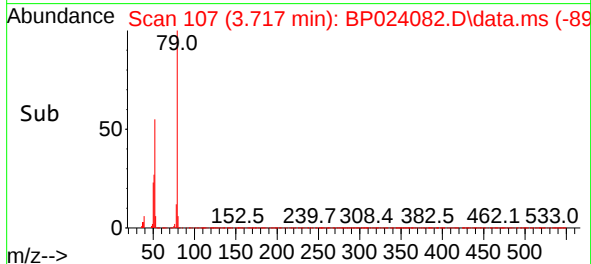
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



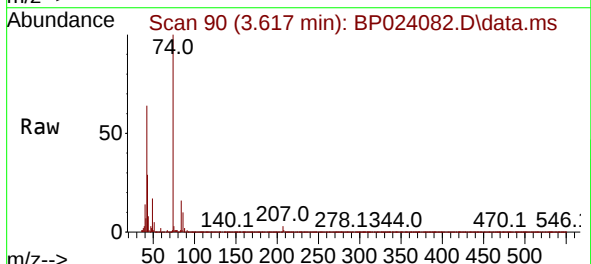
Tgt Ion: 79 Resp: 125972
Ion Ratio Lower Upper
79 100
52 54.7 43.5 65.3
51 30.4 22.2 33.4

Manual Integrations
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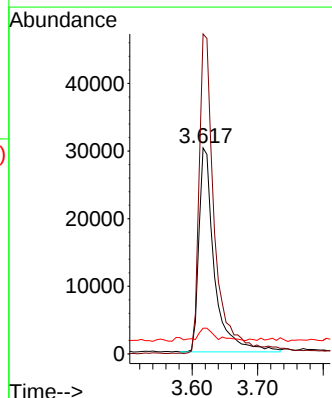
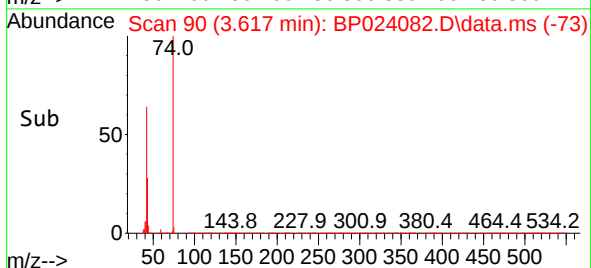
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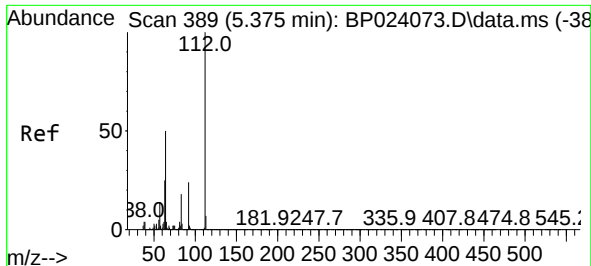


#4
n-Nitrosodimethylamine
Concen: 6.246 ng
RT: 3.617 min Scan# 90
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



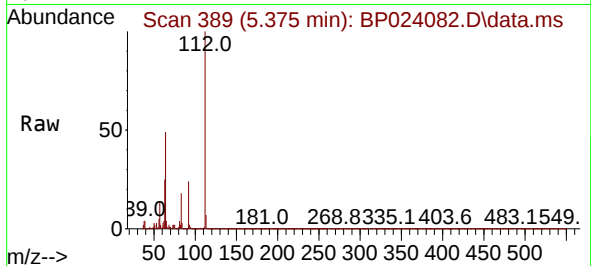
Tgt Ion: 42 Resp: 49771
Ion Ratio Lower Upper
42 100
74 155.3 132.0 198.0
44 12.5 5.3 7.9





#5
2-Fluorophenol
Concen: 165.535 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

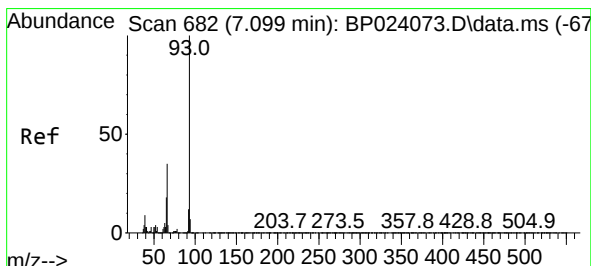
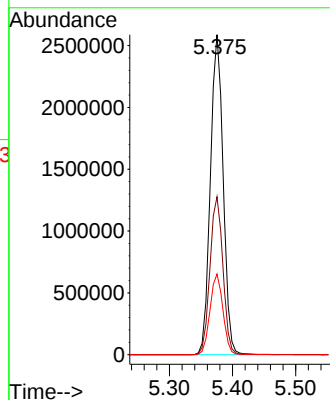
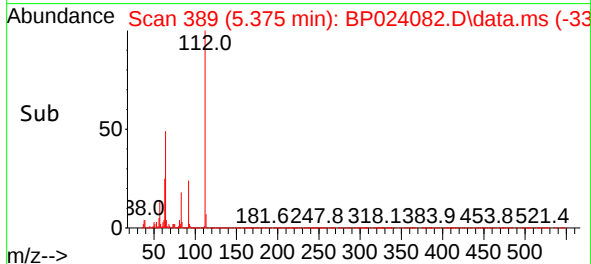
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



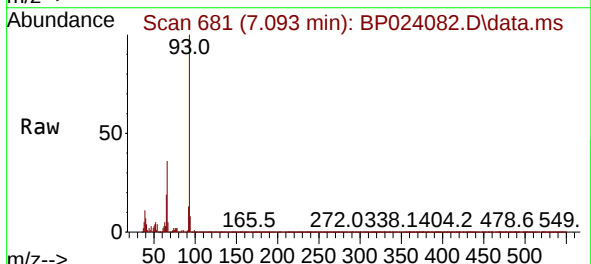
Tgt Ion:112 Resp: 3646040
Ion Ratio Lower Upper
112 100
64 49.4 39.6 59.4
63 25.2 20.3 30.5

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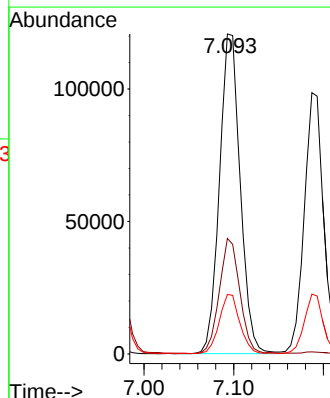
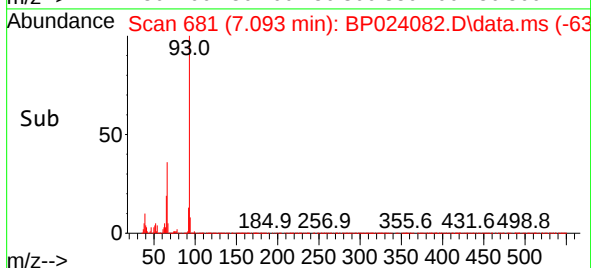
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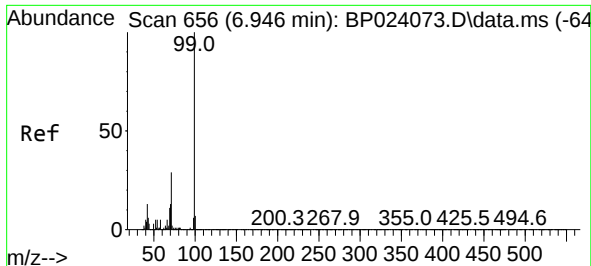


#6
Aniline
Concen: 7.487 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



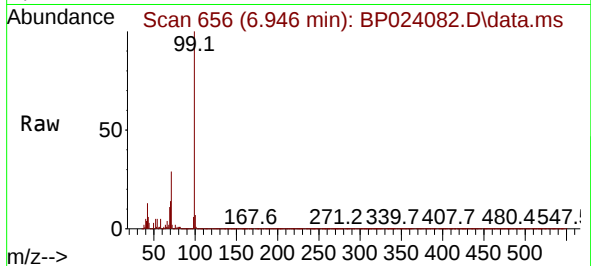
Tgt Ion: 93 Resp: 194109
Ion Ratio Lower Upper
93 100
66 36.1 28.2 42.4
65 18.6 14.1 21.1





#7
Phenol-d6
Concen: 171.676 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

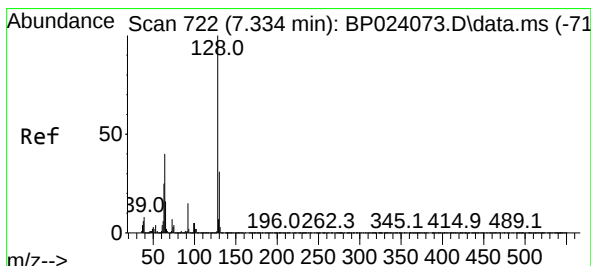
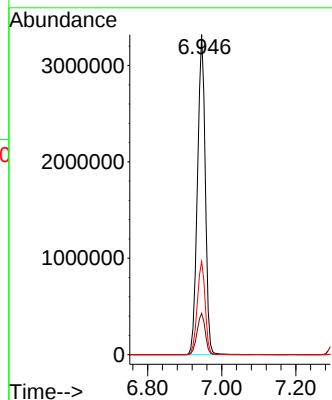
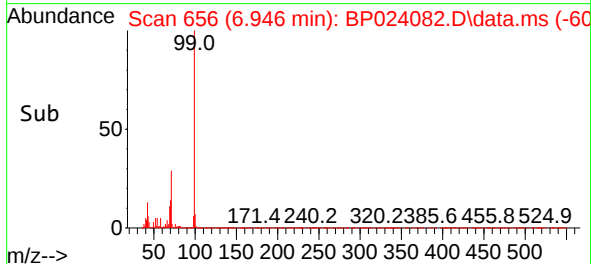
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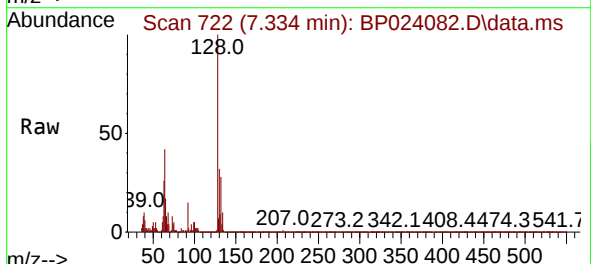
Tgt Ion: 99 Resp: 4860010
Ion Ratio Lower Upper
99 100
42 12.9 10.3 15.5
71 29.1 22.9 34.3

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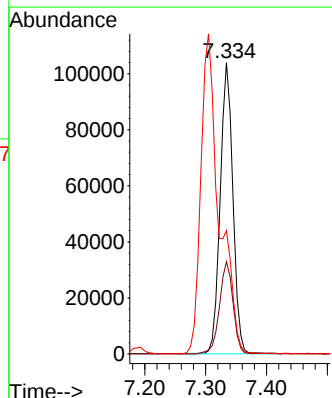
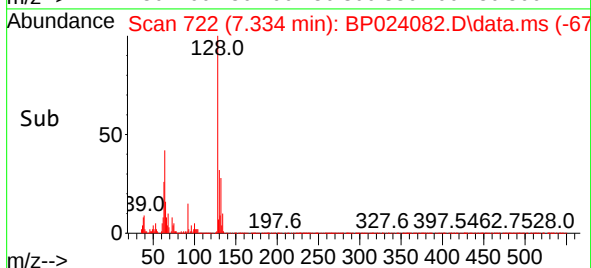
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#8
2-Chlorophenol
Concen: 6.437 ng
RT: 7.334 min Scan# 722
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



Tgt Ion:128 Resp: 150067
Ion Ratio Lower Upper
128 100
130 31.7 11.5 51.5
64 42.4 19.8 59.8





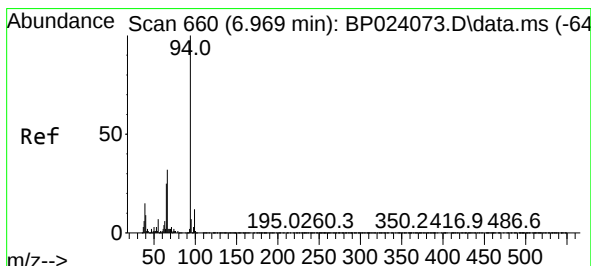
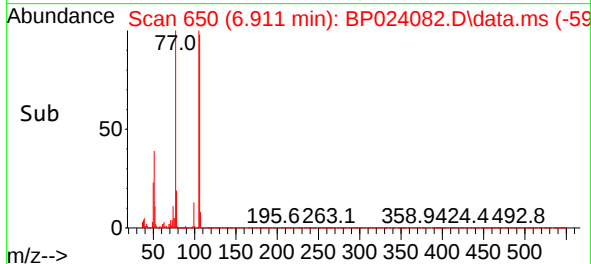
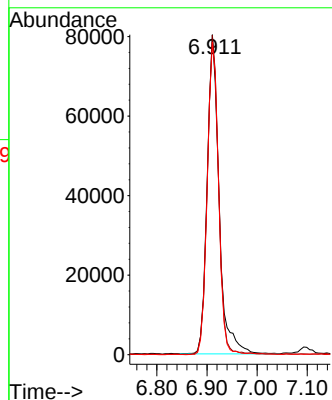
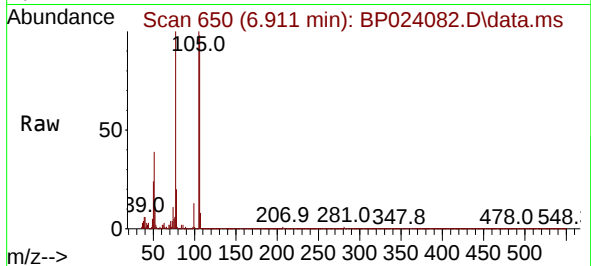
#9
Benzaldehyde
Concen: 10.276 ng
RT: 6.911 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion: 77 Resp: 13281
Ion Ratio Lower Upper
77 100
105 99.9 81.4 121.4
106 97.6 79.0 119.0

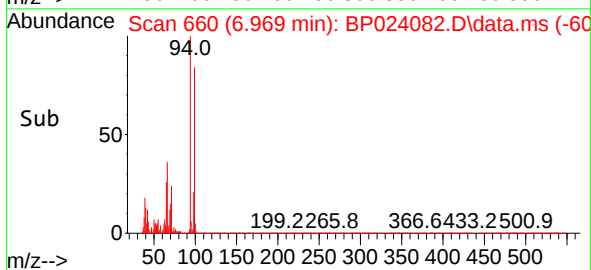
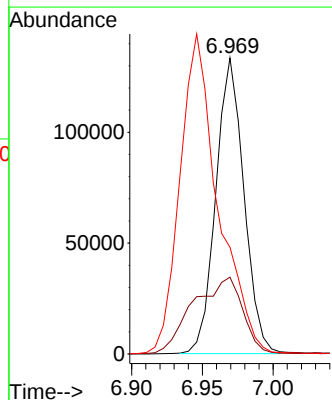
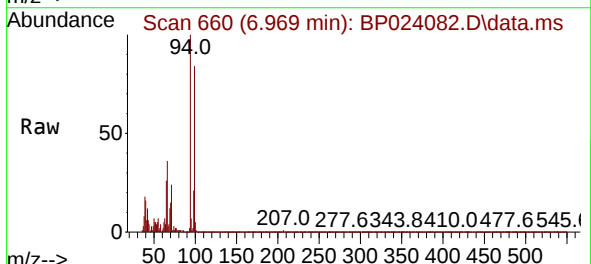
Manual Integrations
APPROVED

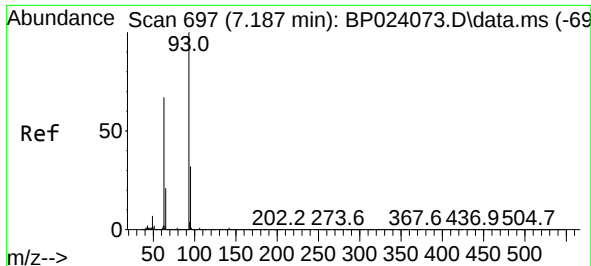
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#10
Phenol
Concen: 6.472 ng m
RT: 6.969 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

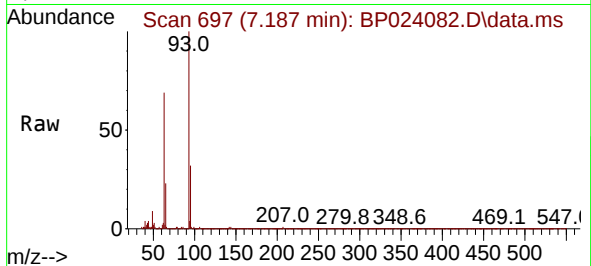
Tgt Ion: 94 Resp: 184235
Ion Ratio Lower Upper
94 100
65 25.9 5.0 45.0
66 36.0 11.6 51.6





#11
bis(2-Chloroethyl)ether
Concen: 6.397 ng m
RT: 7.187 min Scan# 697
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

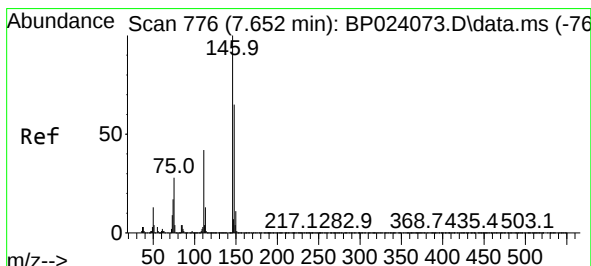
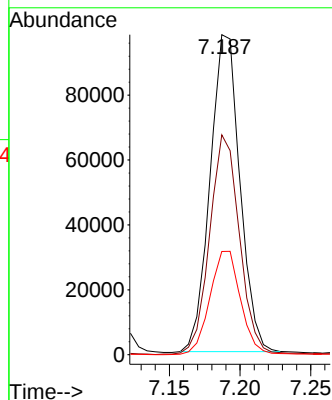
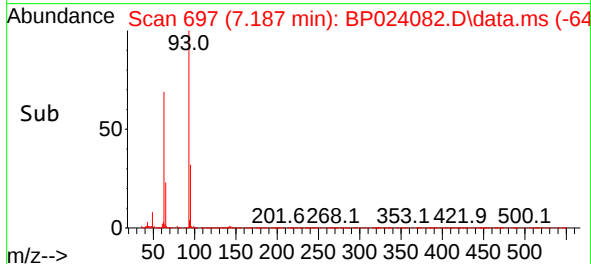
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



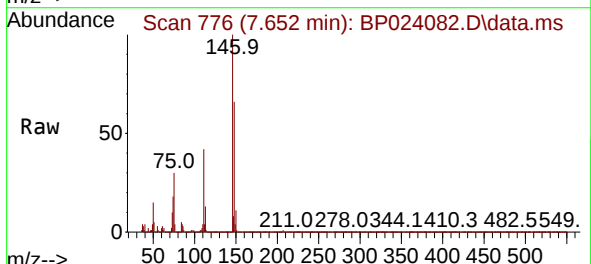
Tgt Ion: 93 Resp: 14342
Ion Ratio Lower Upper
93 100
63 68.7 46.5 86.5
95 32.2 12.3 52.3

Manual Integrations
APPROVED

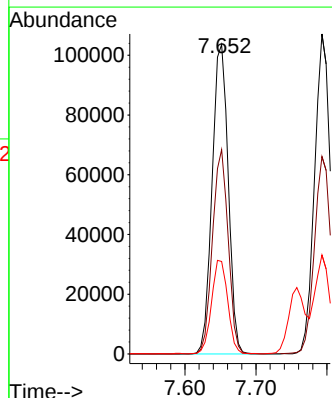
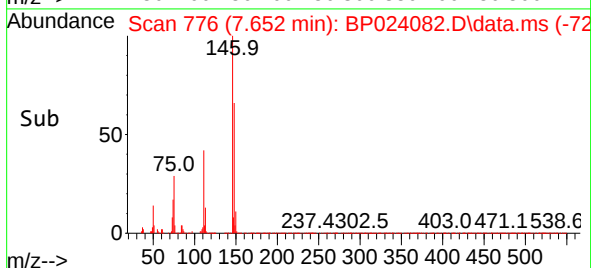
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

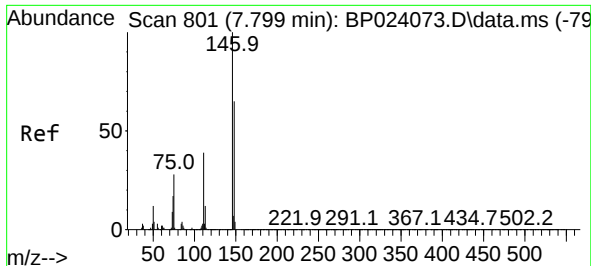


#12
1,3-Dichlorobenzene
Concen: 6.360 ng
RT: 7.652 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



Tgt Ion:146 Resp: 162885
Ion Ratio Lower Upper
146 100
148 66.0 51.8 77.8
75 29.9 22.6 33.8





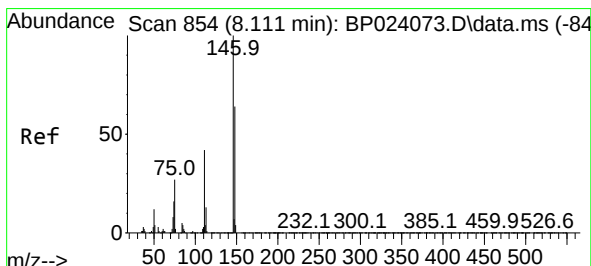
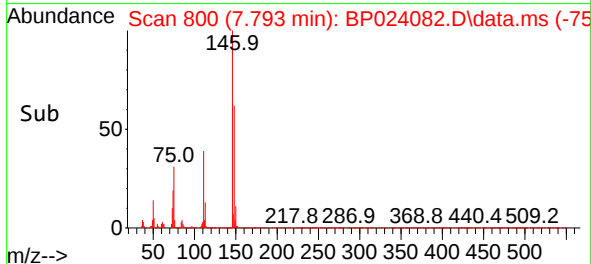
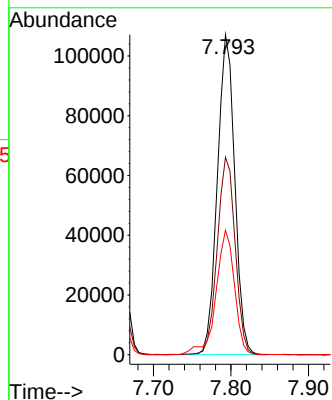
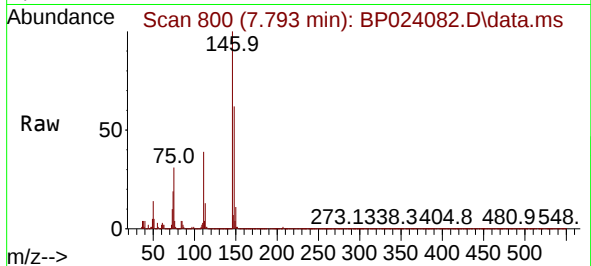
#13
1,4-Dichlorobenzene
Concen: 6.452 ng
RT: 7.793 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion:146 Resp: 16710
Ion Ratio Lower Upper
146 100
148 61.7 51.6 77.4
111 38.9 31.2 46.8

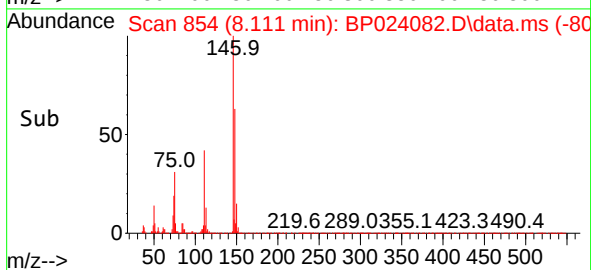
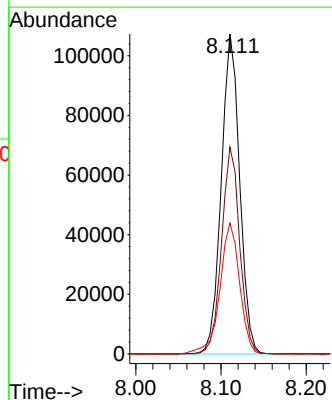
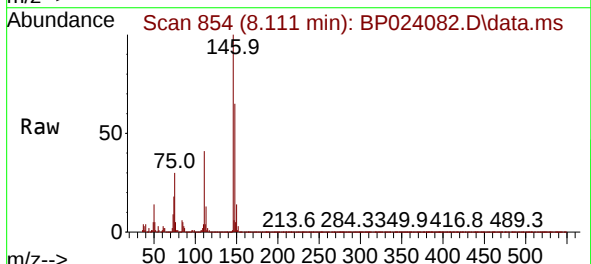
Manual Integrations
APPROVED

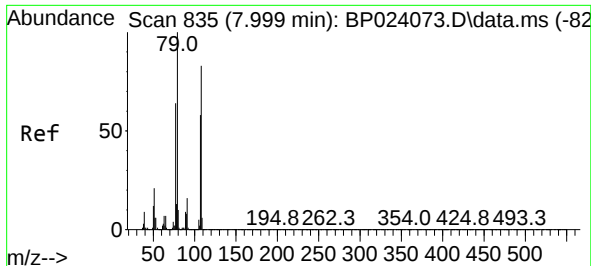
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#14
1,2-Dichlorobenzene
Concen: 6.475 ng
RT: 8.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

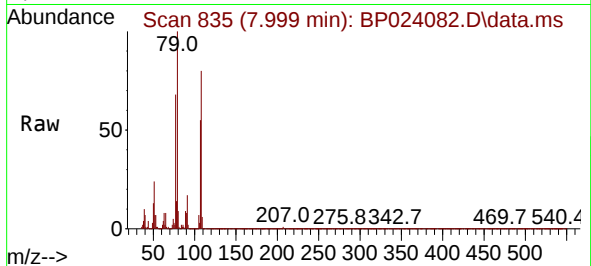
Tgt Ion:146 Resp: 160941
Ion Ratio Lower Upper
146 100
148 64.6 51.2 76.8
111 40.9 33.4 50.0





#15
Benzyl Alcohol
Concen: 6.155 ng
RT: 7.999 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

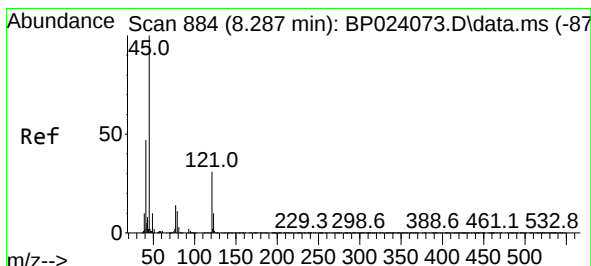
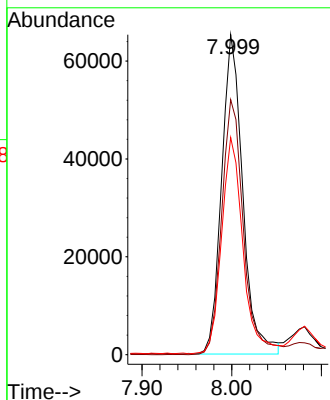
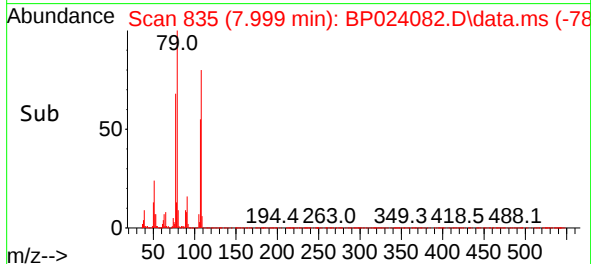
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 79 Resp: 106652
Ion Ratio Lower Upper
79 100
108 79.7 66.4 99.6
77 67.8 51.3 76.9

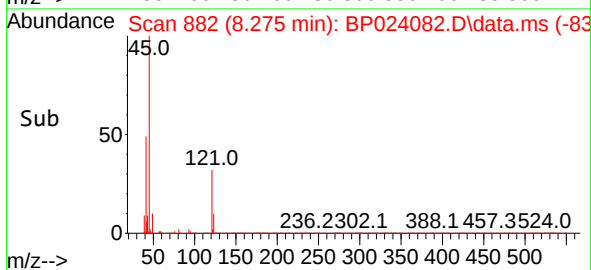
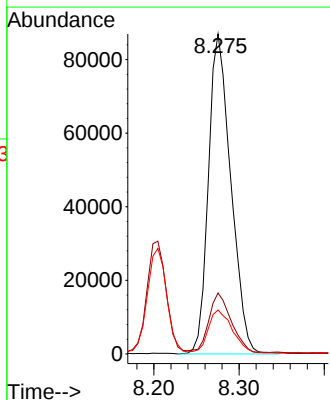
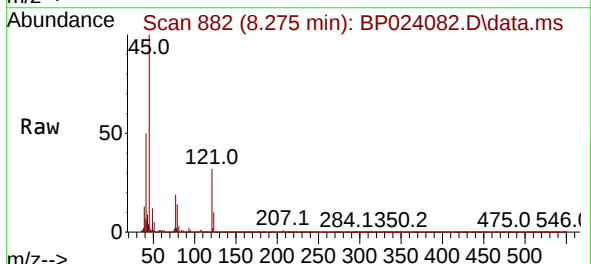
Manual Integrations
APPROVED

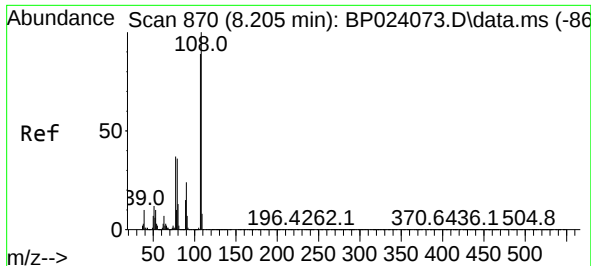
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#16
2,2'-oxybis(1-chloropropane)
Concen: 7.305 ng
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

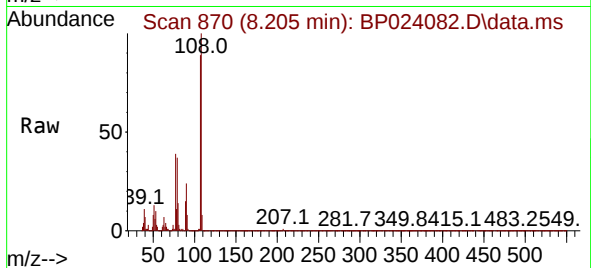
Tgt Ion: 45 Resp: 158992
Ion Ratio Lower Upper
45 100
77 19.1 0.0 38.8
79 13.7 0.0 35.4





#17
2-Methylphenol
Concen: 6.032 ng
RT: 8.205 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

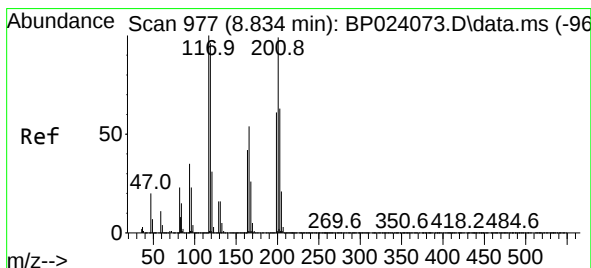
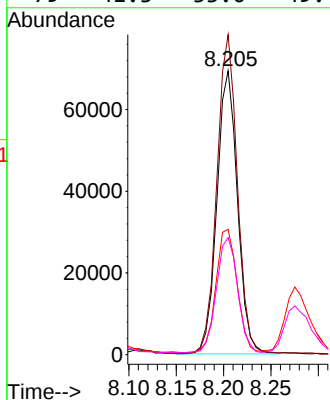
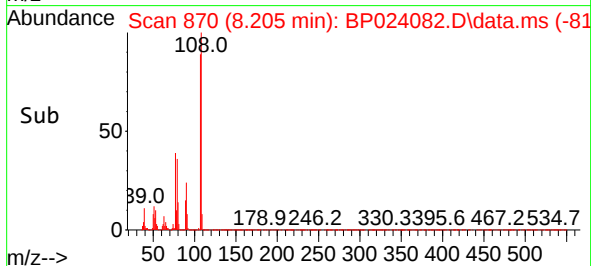
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:107 Resp: 104634
Ion Ratio Lower Upper
107 100
108 112.7 90.0 135.0
77 44.1 33.8 50.6
79 41.3 33.0 49.4

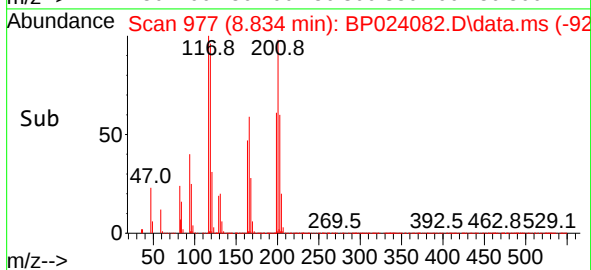
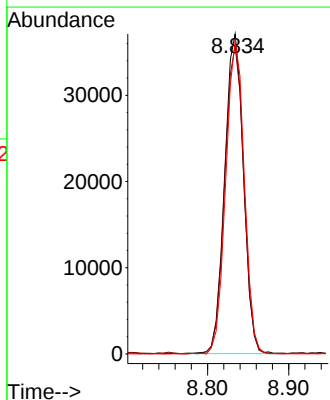
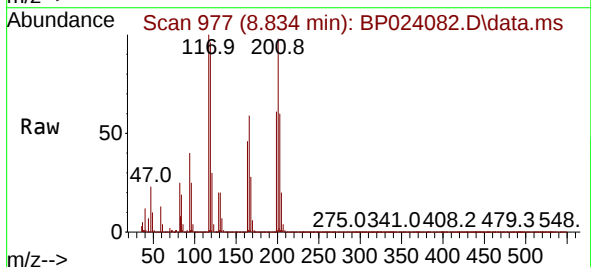
Manual Integrations
APPROVED

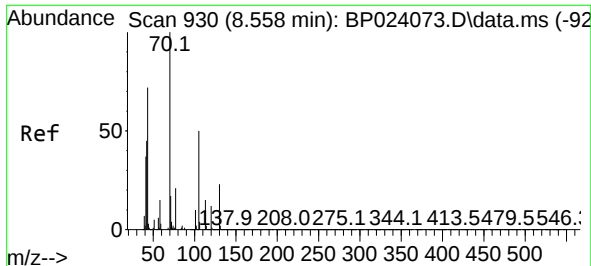
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#18
Hexachloroethane
Concen: 6.405 ng
RT: 8.834 min Scan# 977
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

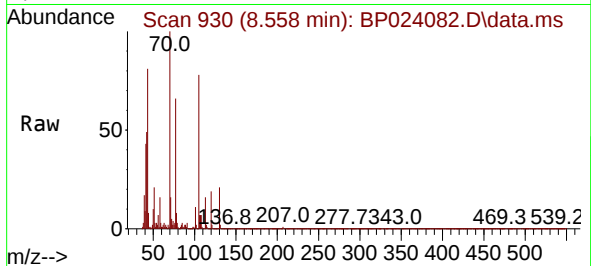
Tgt Ion:117 Resp: 59743
Ion Ratio Lower Upper
117 100
119 96.3 76.9 115.3
201 97.9 79.4 119.2





#19
n-Nitroso-di-n-propylamine
Concen: 6.730 ng m
RT: 8.558 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

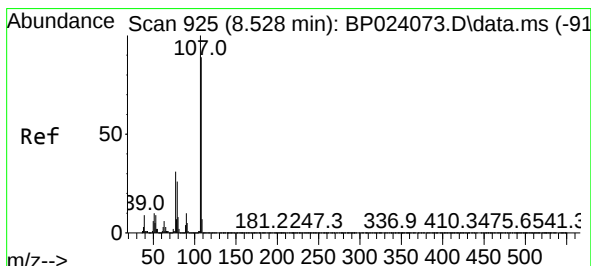
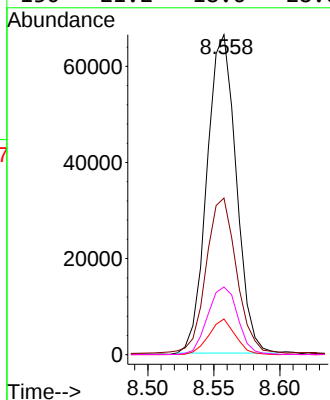
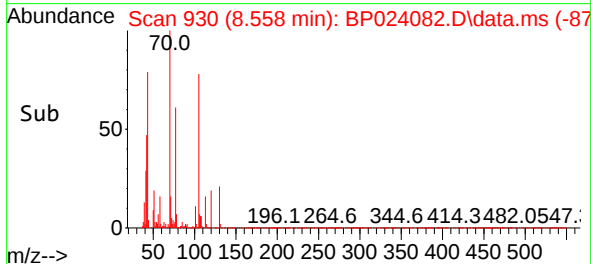
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



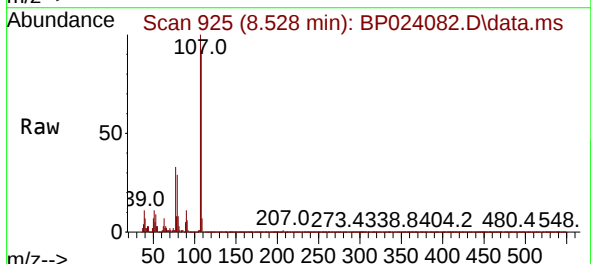
Tgt Ion: 70 Resp: 102438
Ion Ratio Lower Upper
70 100
42 49.0 36.6 54.8
101 11.2 8.2 12.2
130 21.2 18.6 28.0

Manual Integrations
APPROVED

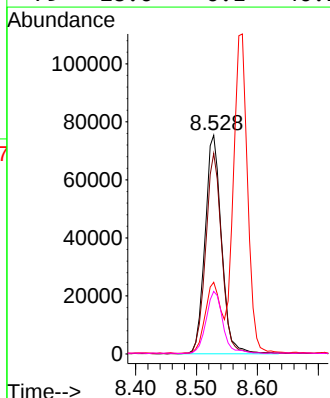
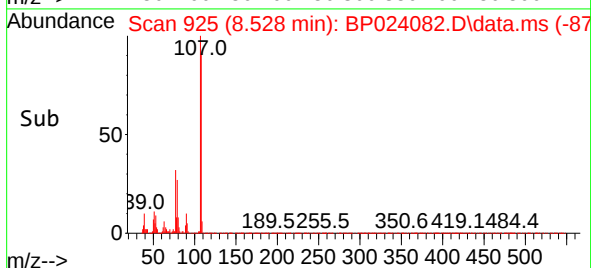
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

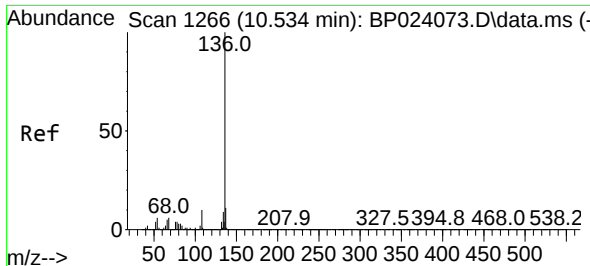


#20
3+4-Methylphenols
Concen: 5.993 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



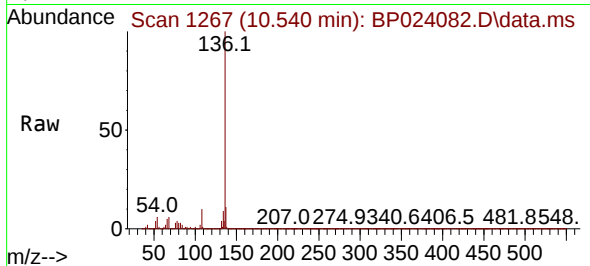
Tgt Ion:107 Resp: 141432
Ion Ratio Lower Upper
107 100
108 91.6 68.5 108.5
77 32.8 10.7 50.7
79 28.6 6.1 46.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

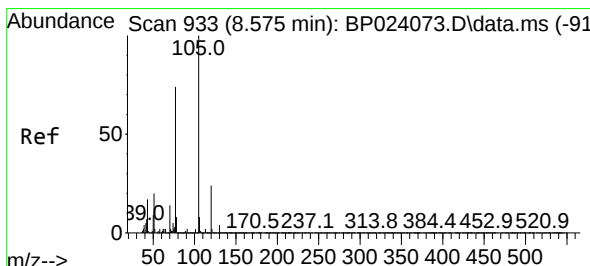
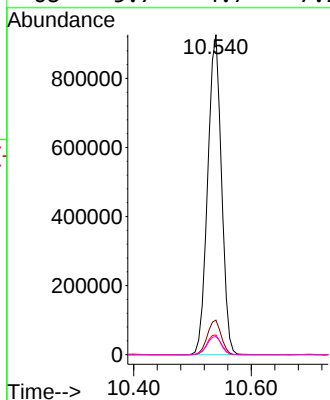
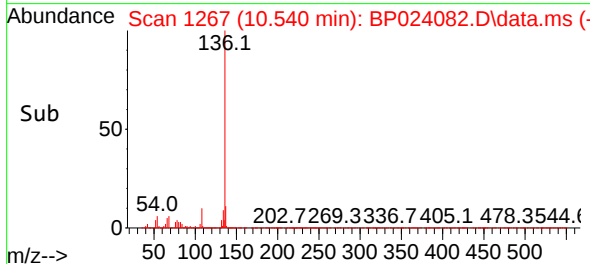
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:136 Resp: 1509170
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.2 4.9 7.3
68 5.7 4.7 7.1

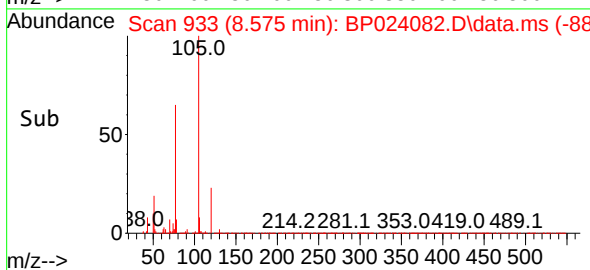
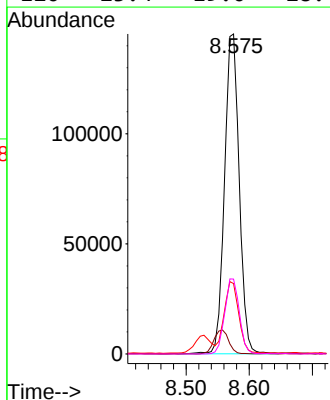
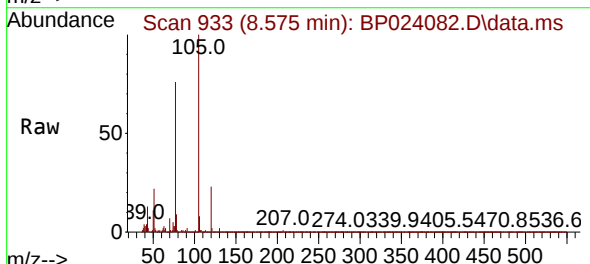
Manual Integrations
APPROVED

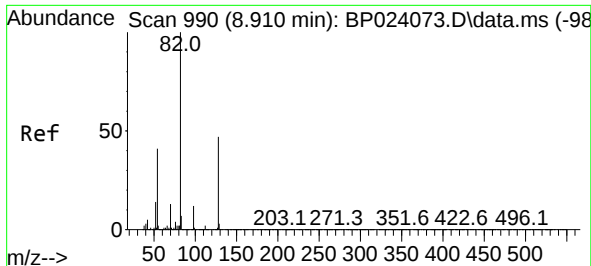
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#22
Acetophenone
Concen: 6.054 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

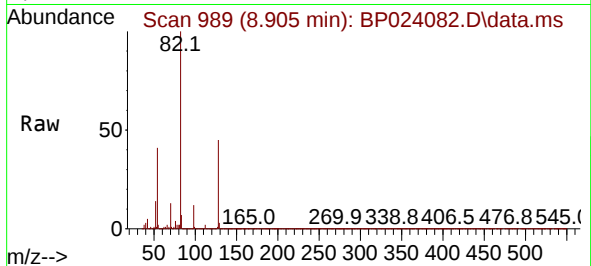
Tgt Ion:105 Resp: 234767
Ion Ratio Lower Upper
105 100
71 1.3 1.9 2.9#
51 22.0 16.3 24.5
120 23.4 19.0 28.4





#23
Nitrobenzene-d5
Concen: 89.640 ng
RT: 8.905 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

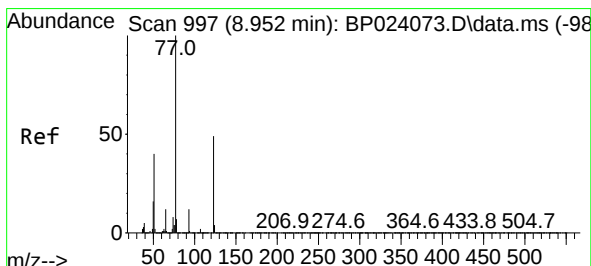
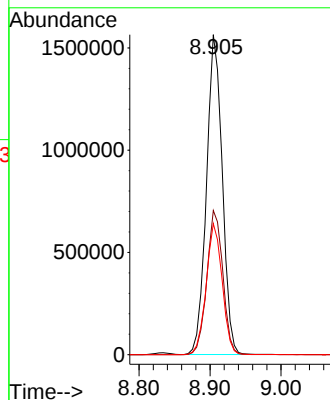
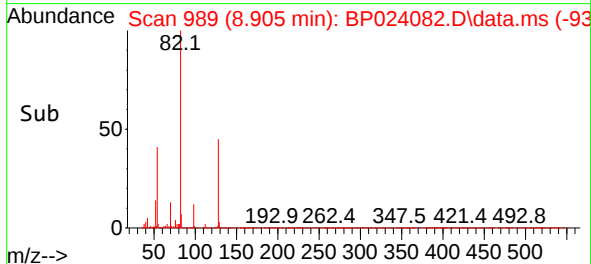
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 82 Resp: 2424900
Ion Ratio Lower Upper
82 100
128 45.0 37.4 56.2
54 40.9 32.4 48.6

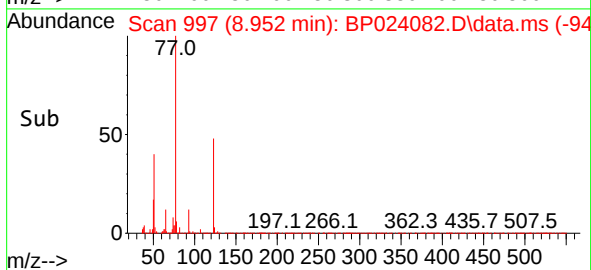
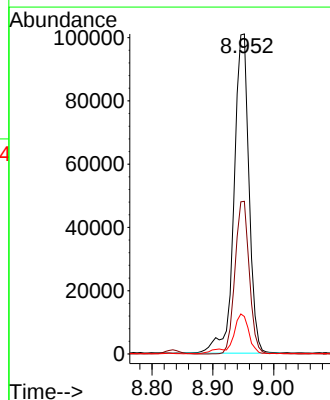
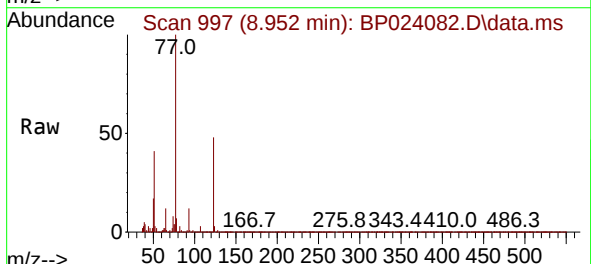
Manual Integrations
APPROVED

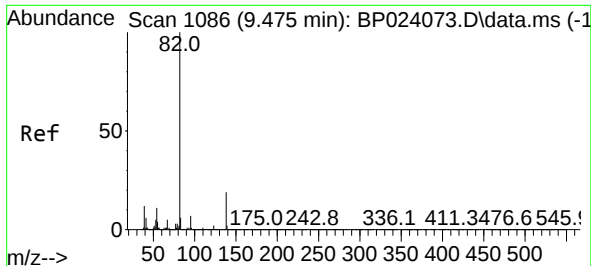
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#24
Nitrobenzene
Concen: 6.500 ng
RT: 8.952 min Scan# 997
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion: 77 Resp: 173049
Ion Ratio Lower Upper
77 100
123 47.7 39.4 59.2
65 11.7 9.9 14.9





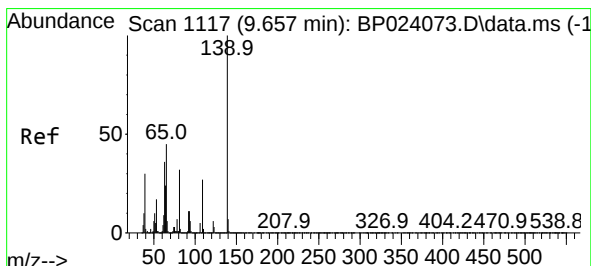
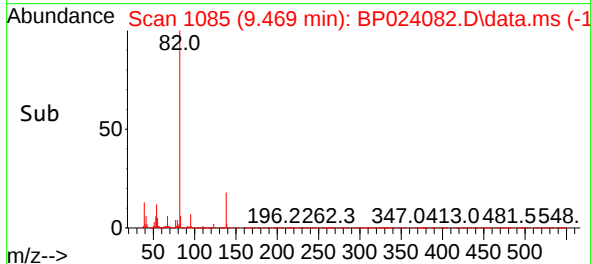
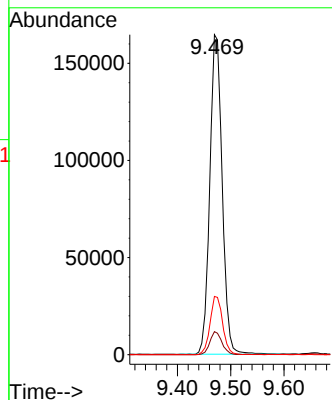
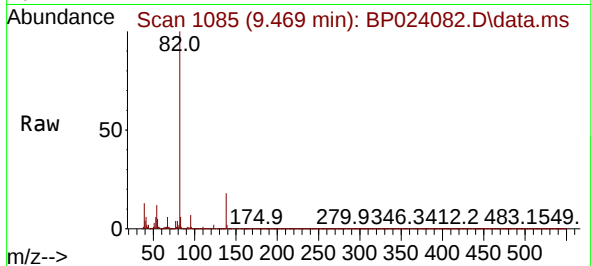
#25
Isophorone
Concen: 6.033 ng
RT: 9.469 min Scan# 1086
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion: 82 Resp: 266875
Ion Ratio Lower Upper
82 100
95 7.2 5.4 8.0
138 18.2 15.3 22.9

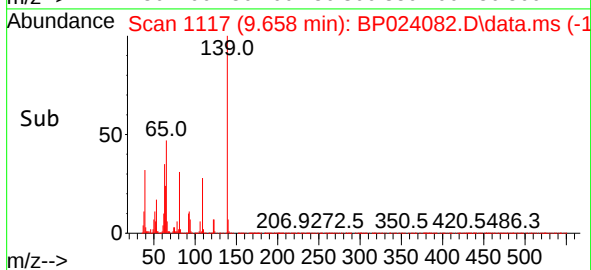
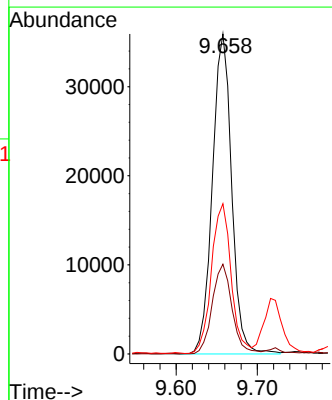
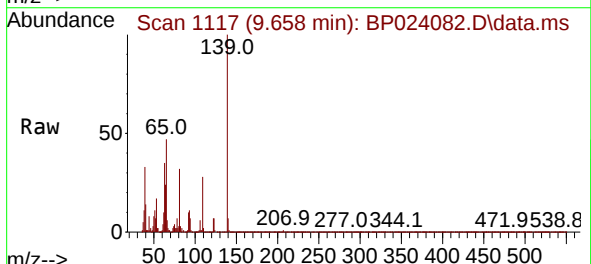
Manual Integrations
APPROVED

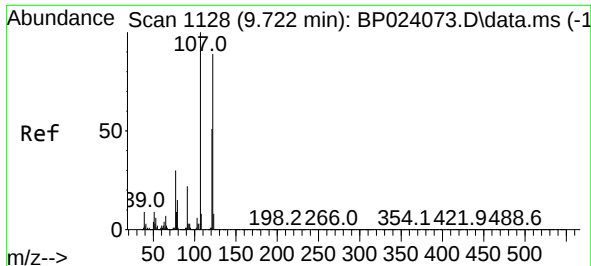
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#26
2-Nitrophenol
Concen: 4.827 ng
RT: 9.658 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion:139 Resp: 59206
Ion Ratio Lower Upper
139 100
109 28.0 21.7 32.5
65 47.0 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 6.110 ng

RT: 9.722 min Scan# 1128

Delta R.T. 0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

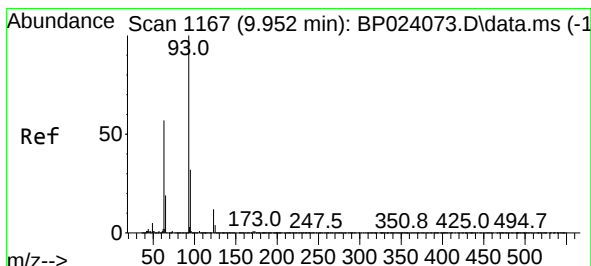
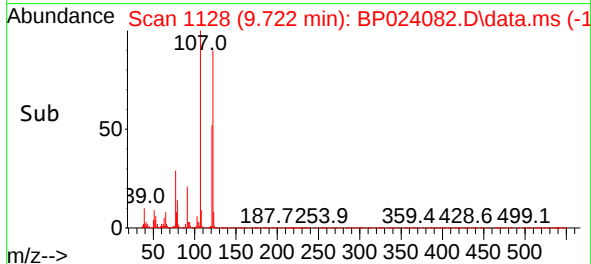
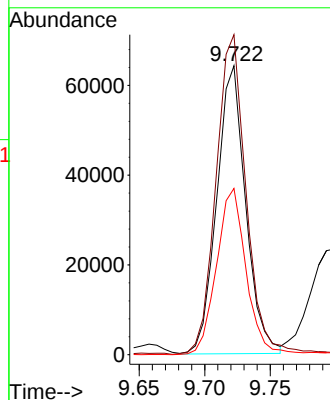
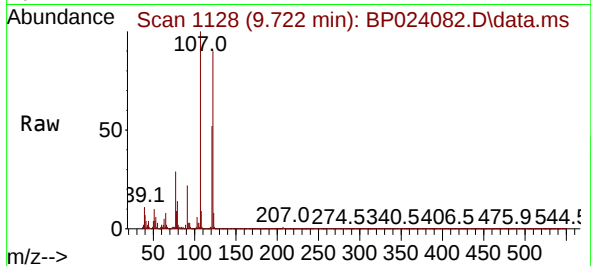
Tgt Ion:	122	Resp:	9837
Ion	Ratio	Lower	Upper
122	100		
107	110.7	89.8	134.8
121	57.5	45.9	68.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#28

bis(2-Chloroethoxy)methane

Concen: 6.289 ng

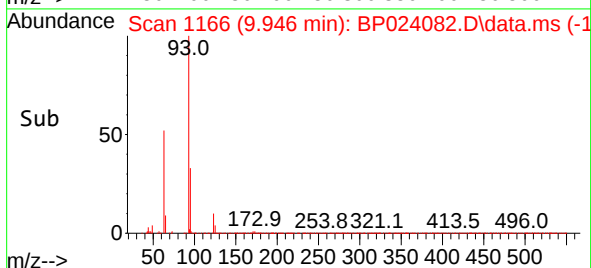
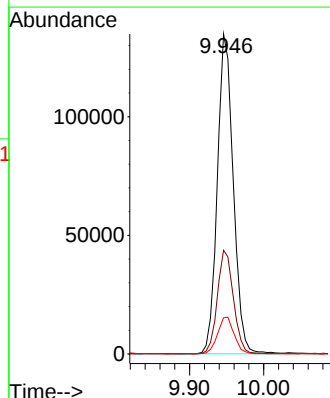
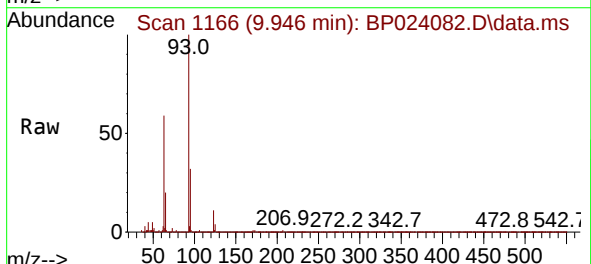
RT: 9.946 min Scan# 1166

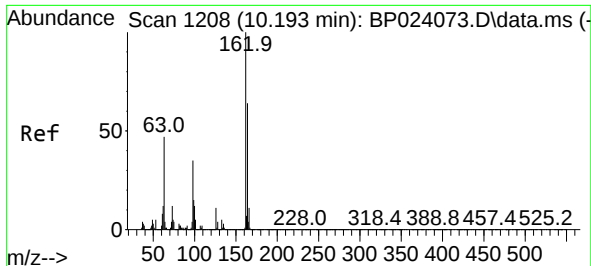
Delta R.T. -0.006 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Tgt Ion:	93	Resp:	201548
Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.3	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 5.105 ng

RT: 10.193 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:162 Resp: 112178

Ion Ratio Lower Upper

162 100

164 65.8 44.5 84.5

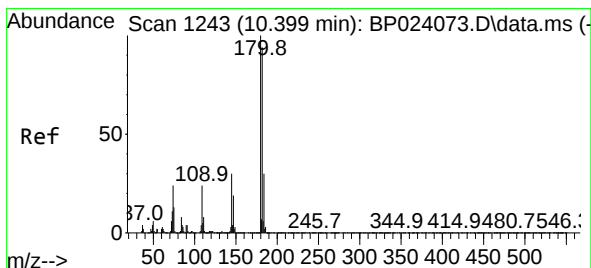
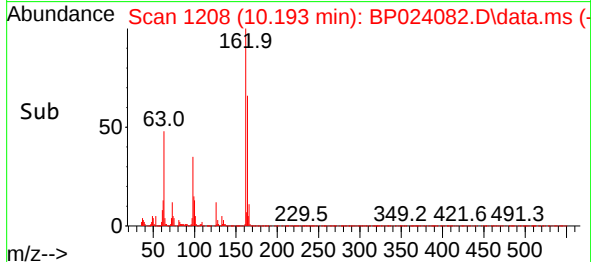
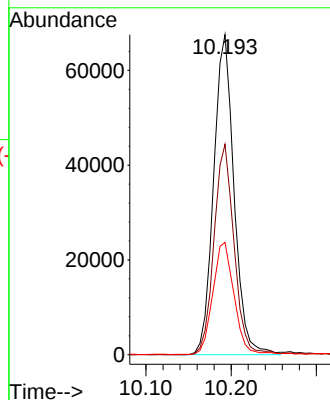
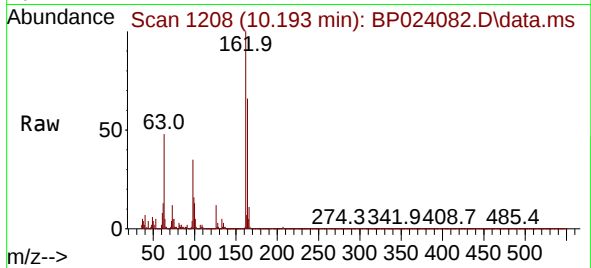
98 35.1 15.3 55.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.931 ng

RT: 10.405 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

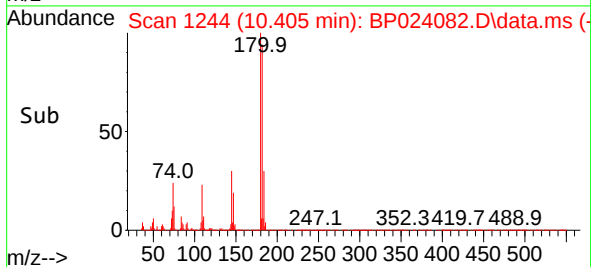
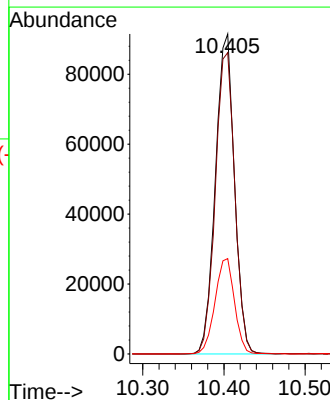
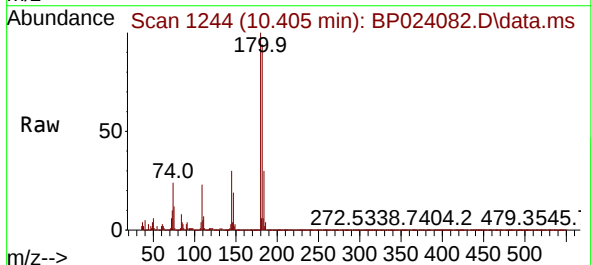
Tgt Ion:180 Resp: 149320

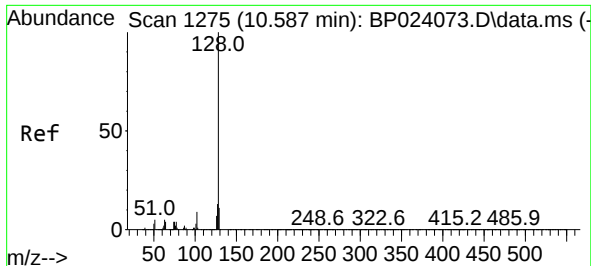
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.2

145 29.8 24.0 36.0





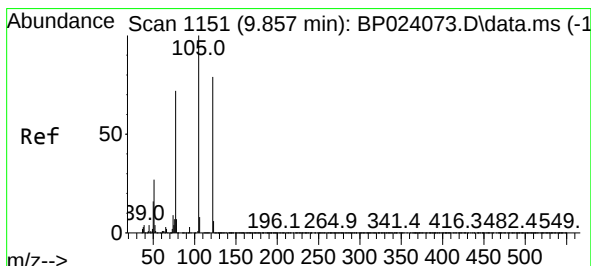
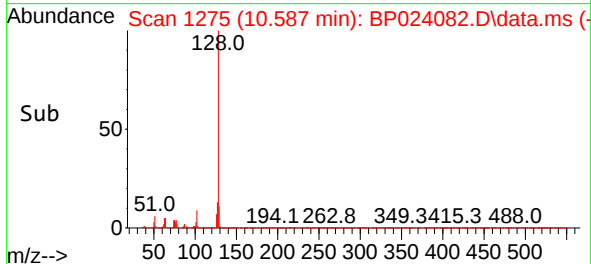
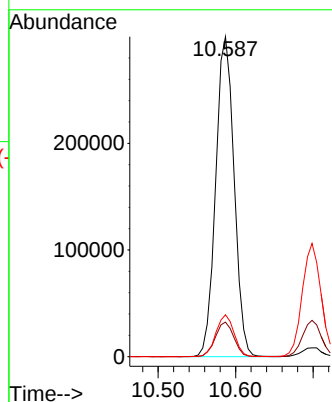
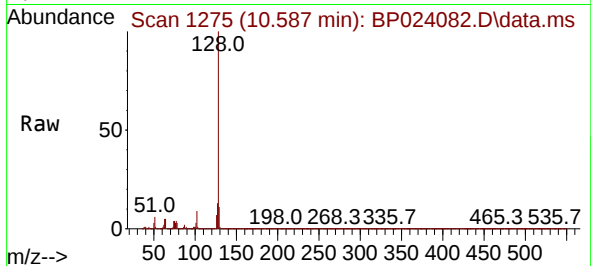
#31
Naphthalene
Concen: 6.087 ng
RT: 10.587 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion:128 Resp: 49392
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.3 15.5

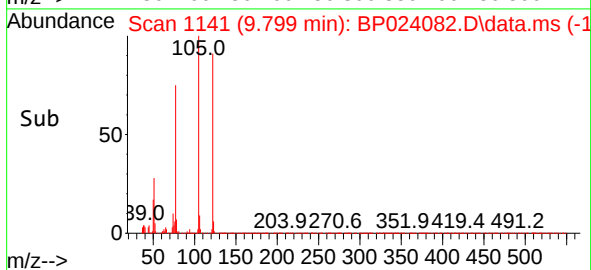
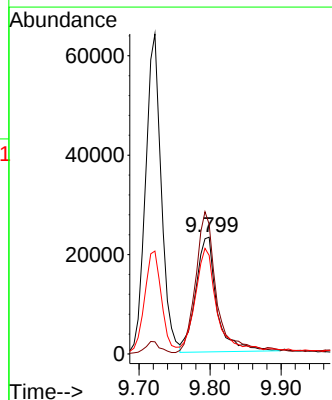
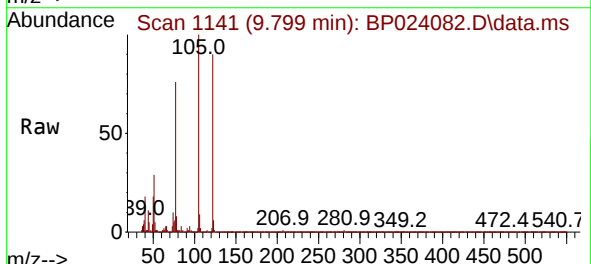
Manual Integrations
APPROVED

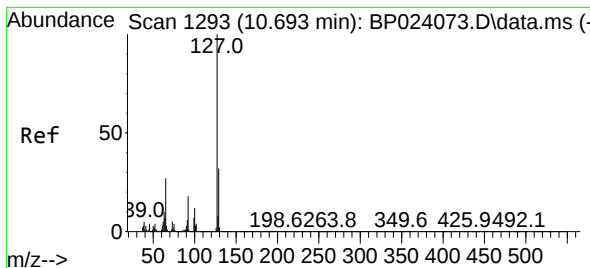
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#32
Benzoic acid
Concen: 9.876 ng
RT: 9.799 min Scan# 1141
Delta R.T. -0.058 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

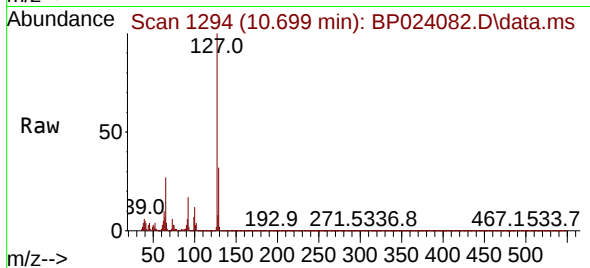
Tgt Ion:122 Resp: 47788
Ion Ratio Lower Upper
122 100
105 111.0 103.7 143.7
77 84.3 69.9 109.9





#33
4-Chloroaniline
Concen: 6.364 ng
RT: 10.699 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

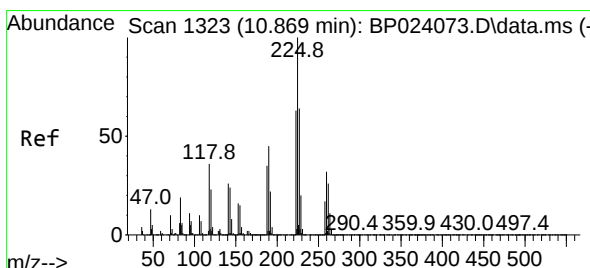
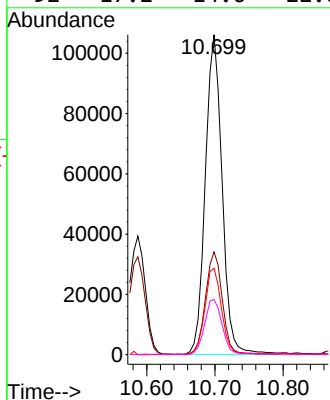
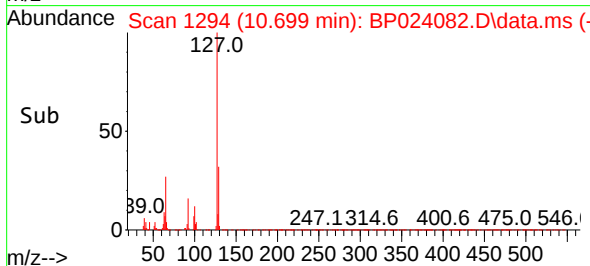
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:127 Resp: 18194
Ion Ratio Lower Upper
127 100
129 32.1 25.4 38.0
65 27.0 21.3 31.9
92 17.2 14.6 22.0

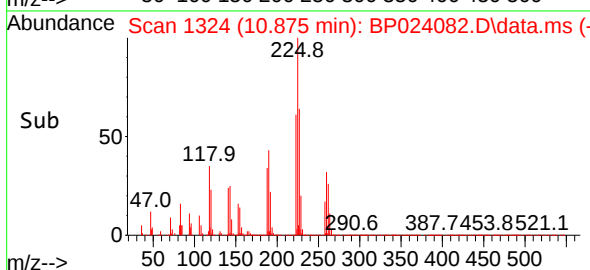
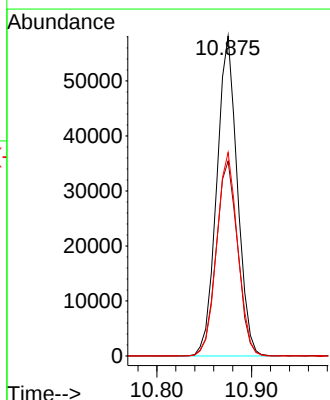
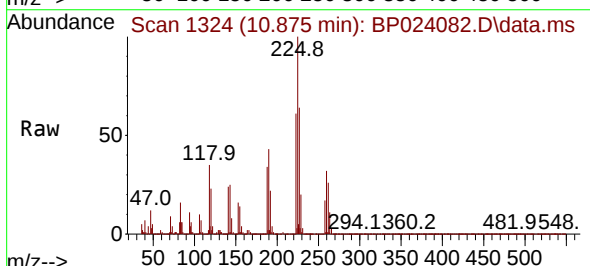
Manual Integrations
APPROVED

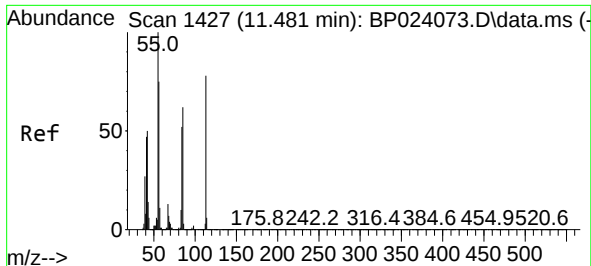
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#34
Hexachlorobutadiene
Concen: 6.022 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

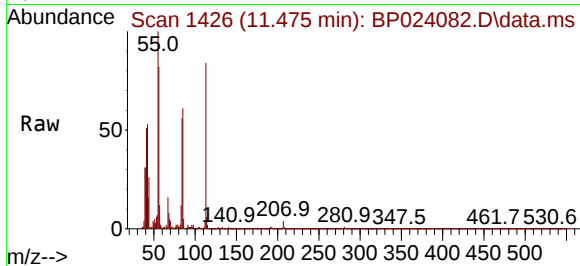
Tgt Ion:225 Resp: 87804
Ion Ratio Lower Upper
225 100
223 60.9 50.5 75.7
227 63.6 51.3 76.9





#35
Caprolactam
Concen: 9.160 ng
RT: 11.475 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

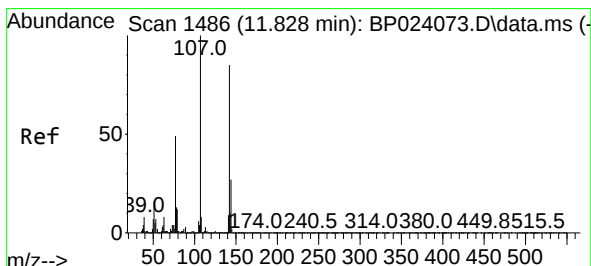
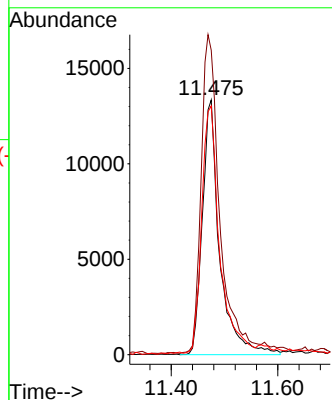
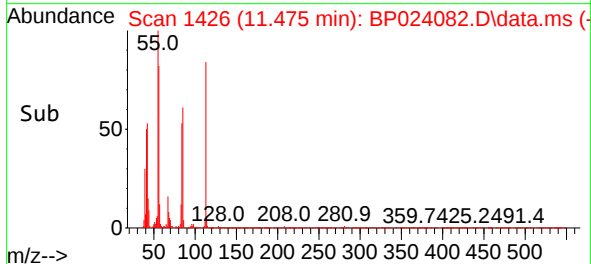
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:113 Resp: 30030
Ion Ratio Lower Upper
113 100
55 119.5 108.8 148.8
56 97.7 76.5 116.5

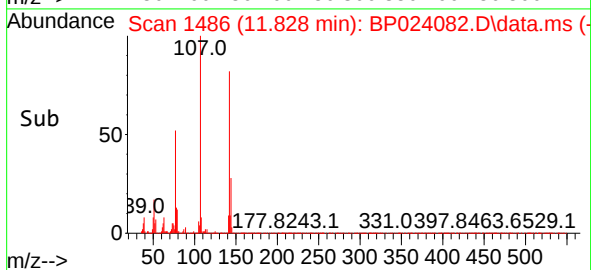
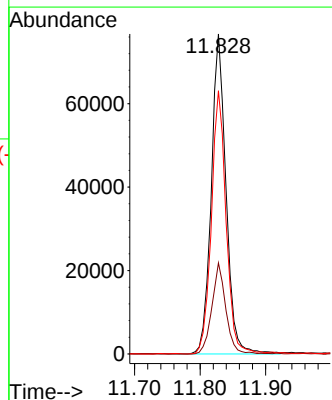
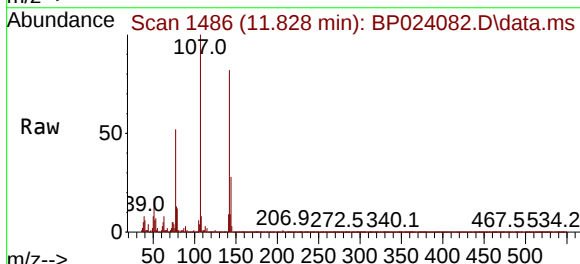
Manual Integrations
APPROVED

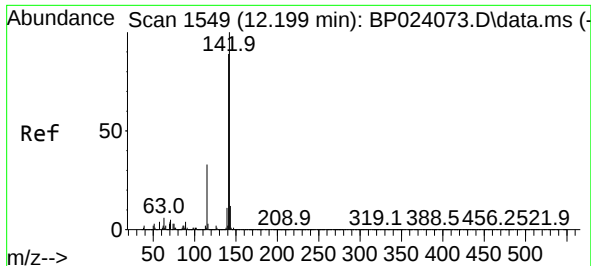
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#36
4-Chloro-3-methylphenol
Concen: 5.302 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

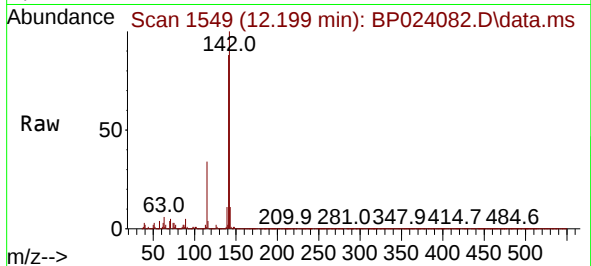
Tgt Ion:107 Resp: 119758
Ion Ratio Lower Upper
107 100
144 28.4 21.8 32.8
142 82.2 67.8 101.8





#37
2-Methylnaphthalene
Concen: 6.207 ng
RT: 12.199 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

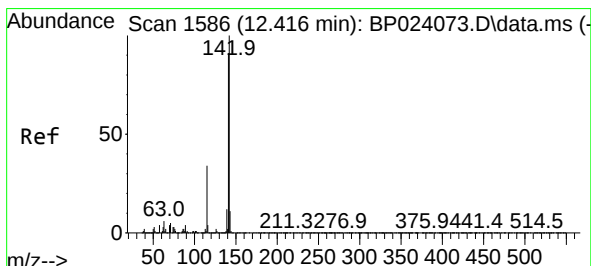
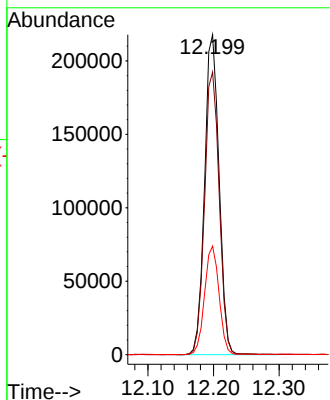
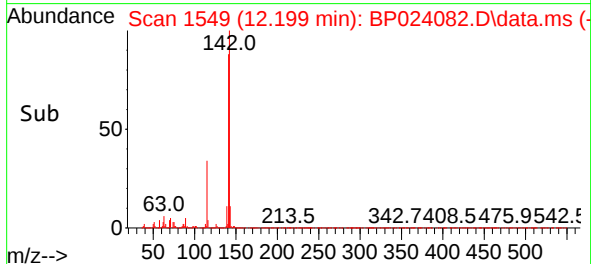
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



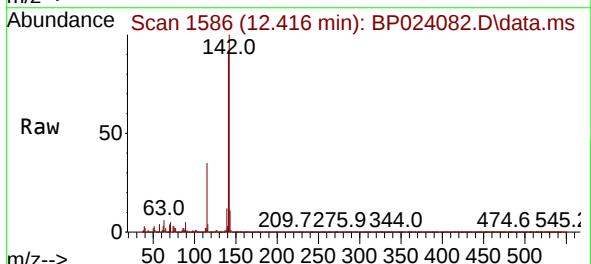
Tgt Ion:142 Resp: 334772
Ion Ratio Lower Upper
142 100
141 88.3 71.2 106.8
115 34.0 26.5 39.7

Manual Integrations
APPROVED

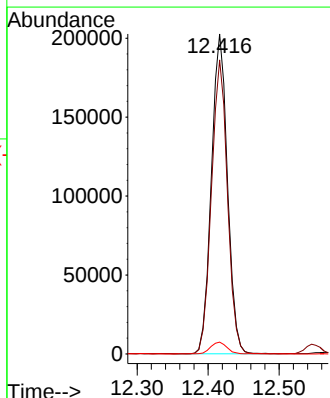
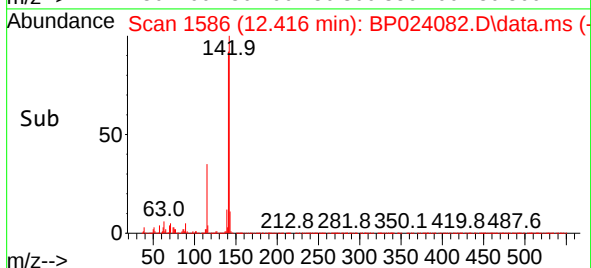
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

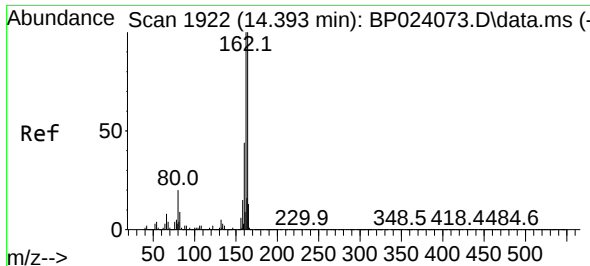


#38
1-Methylnaphthalene
Concen: 6.056 ng
RT: 12.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



Tgt Ion:142 Resp: 317754
Ion Ratio Lower Upper
142 100
141 91.9 73.0 109.6
116 3.7 2.8 4.2





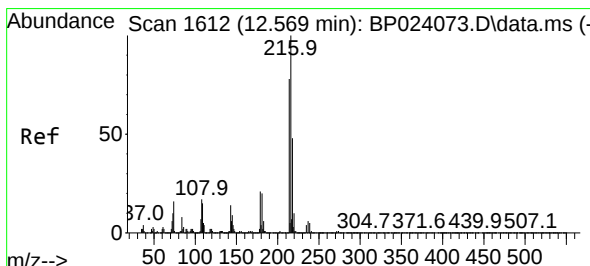
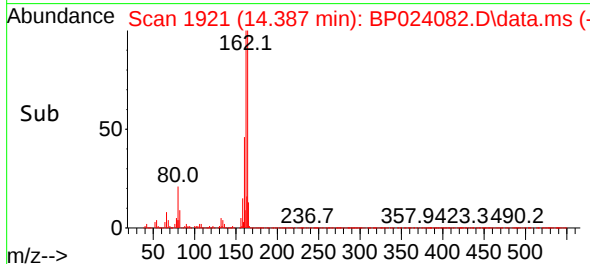
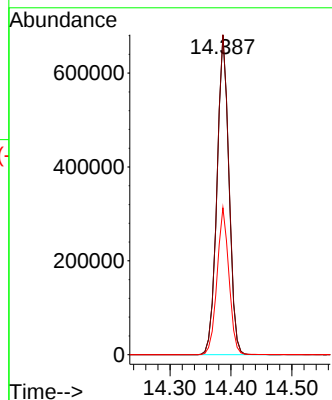
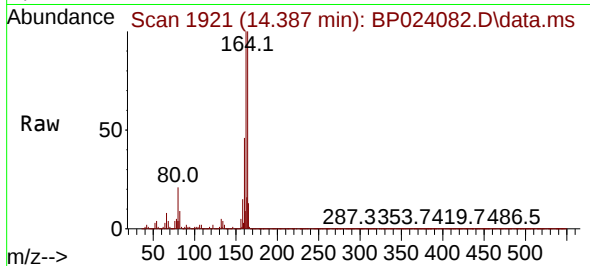
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion:164 Resp: 92474
Ion Ratio Lower Upper
164 100
162 100.2 80.1 120.1
160 46.0 35.6 53.4

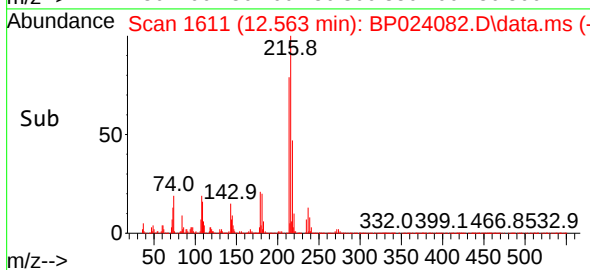
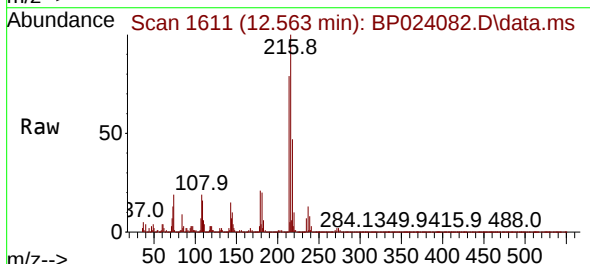
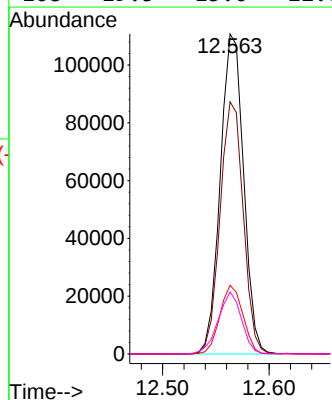
Manual Integrations
APPROVED

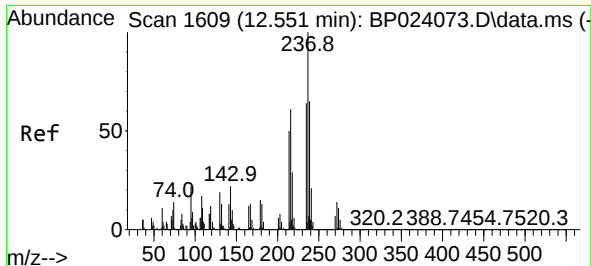
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.913 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

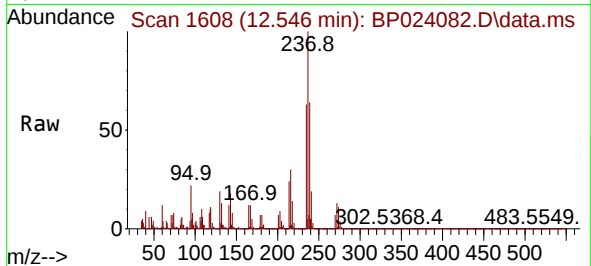
Tgt Ion:216 Resp: 168006
Ion Ratio Lower Upper
216 100
214 78.4 62.7 94.1
179 21.2 16.6 25.0
108 19.5 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 6.629 ng
RT: 12.546 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

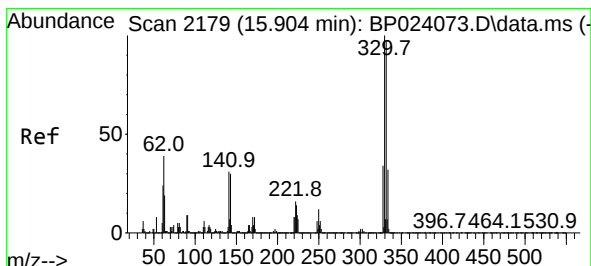
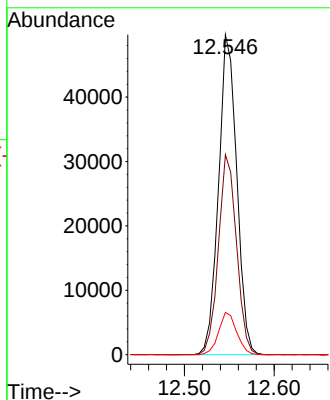
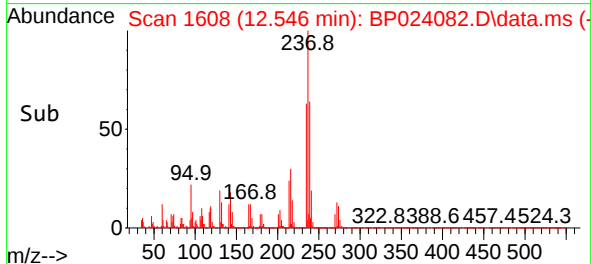
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 237 Resp: 7008
Ion Ratio Lower Upper
237 100
235 62.5 43.5 83.5
272 13.2 0.0 33.7

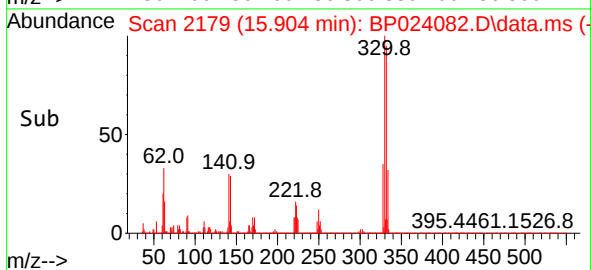
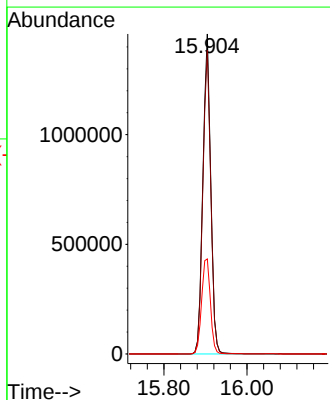
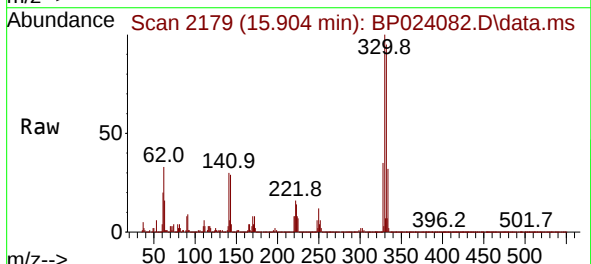
Manual Integrations
APPROVED

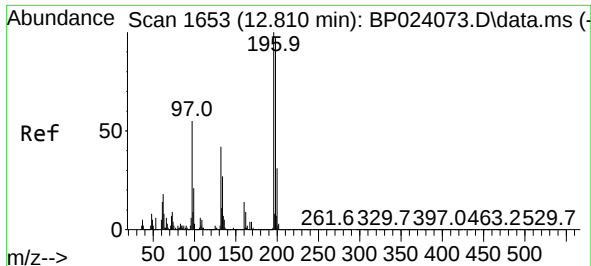
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#42
2,4,6-Tribromophenol
Concen: 168.863 ng
RT: 15.904 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

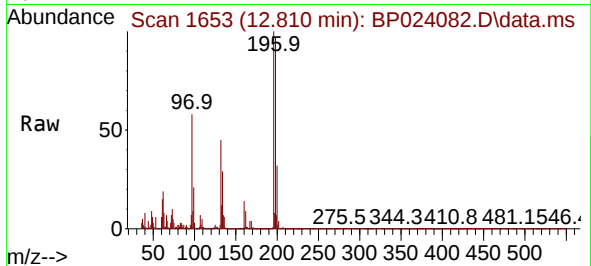
Tgt Ion: 330 Resp: 1912724
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 33.3 28.3 42.5





#43
2,4,6-Trichlorophenol
Concen: 4.881 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

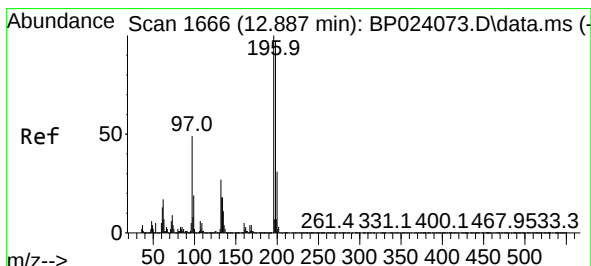
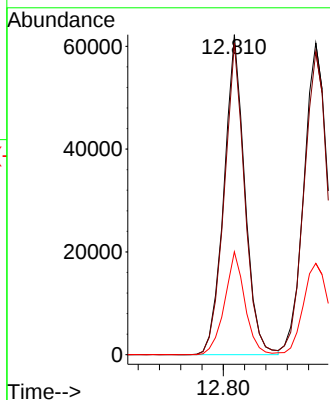
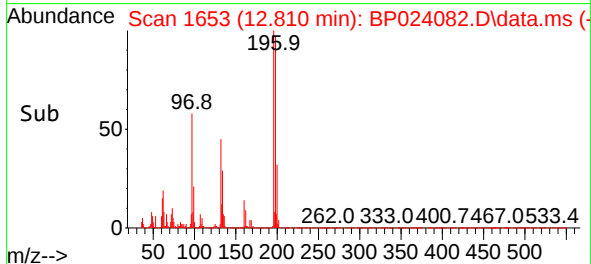
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



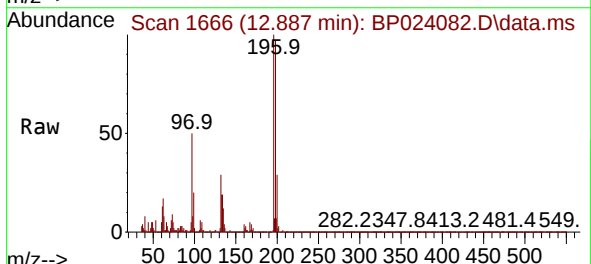
Tgt Ion:196 Resp: 84569
Ion Ratio Lower Upper
196 100
198 97.4 77.8 116.6
200 32.1 25.0 37.4

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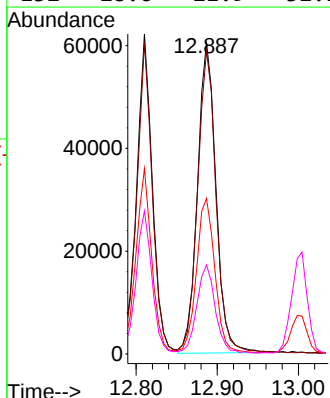
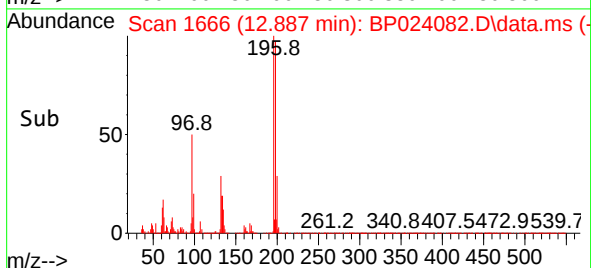
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

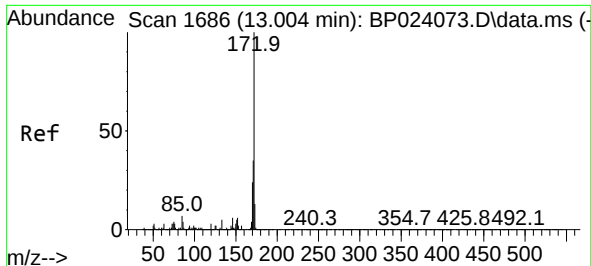


#44
2,4,5-Trichlorophenol
Concen: 5.064 ng
RT: 12.887 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



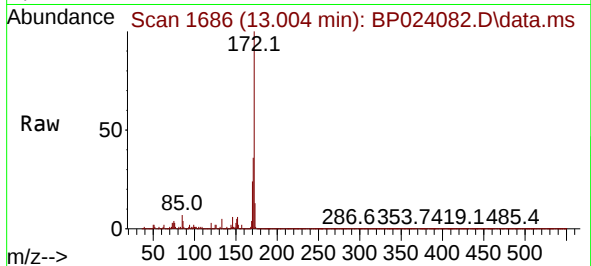
Tgt Ion:196 Resp: 95971
Ion Ratio Lower Upper
196 100
198 97.2 77.4 116.2
97 49.9 39.0 58.4
132 28.6 21.9 32.9





#45
2-Fluorobiphenyl
Concen: 88.671 ng
RT: 13.004 min Scan# 1686
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

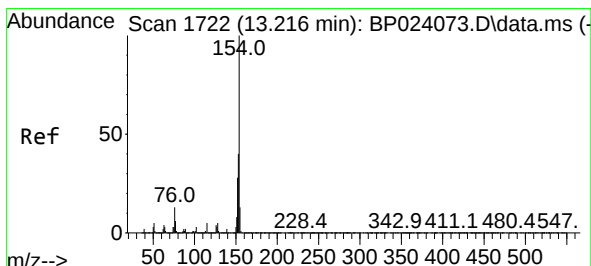
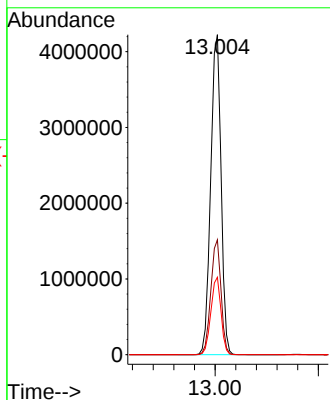
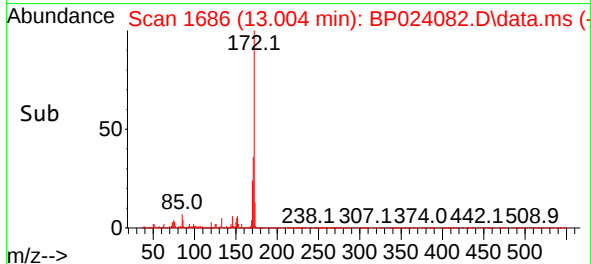
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



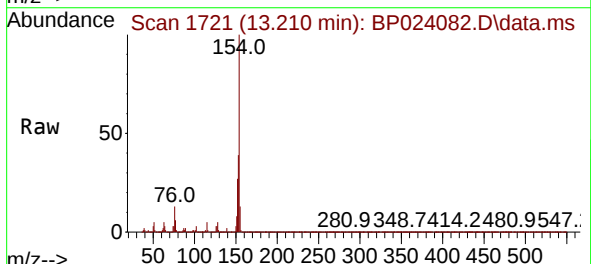
Tgt Ion:172 Resp: 5865389
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 24.2 19.0 28.6

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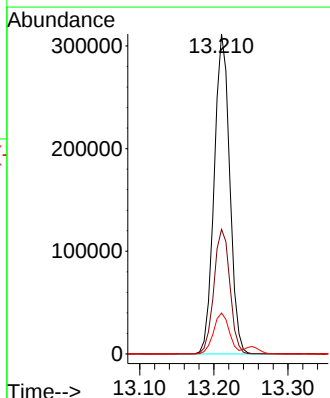
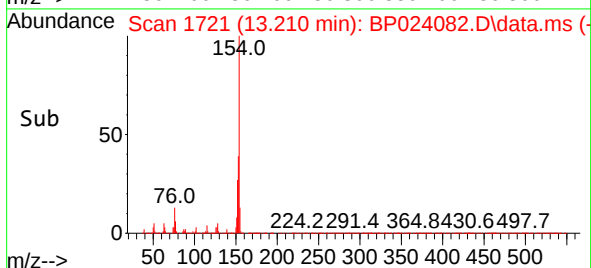
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

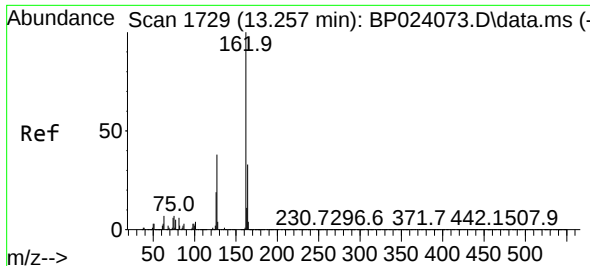


#46
1,1'-Biphenyl
Concen: 6.309 ng
RT: 13.210 min Scan# 1721
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



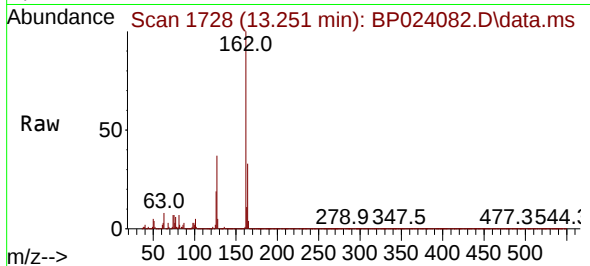
Tgt Ion:154 Resp: 453374
Ion Ratio Lower Upper
154 100
153 38.9 20.0 60.0
76 12.8 0.0 32.6





#47
2-Chloronaphthalene
Concen: 6.134 ng
RT: 13.251 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

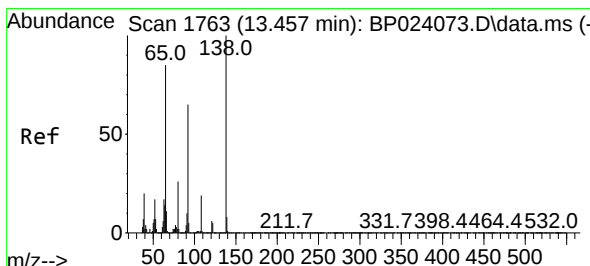
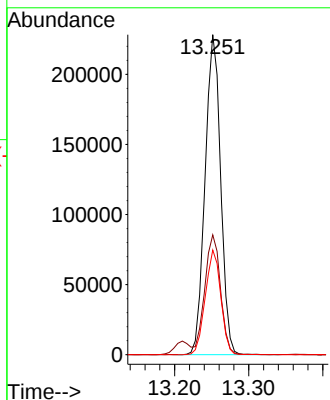
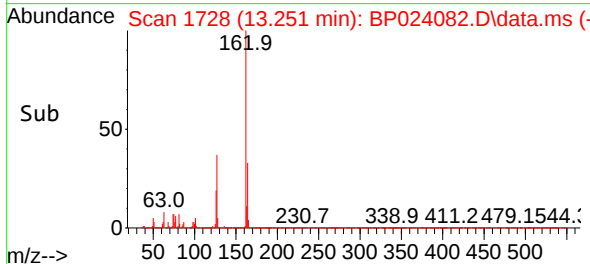
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2025



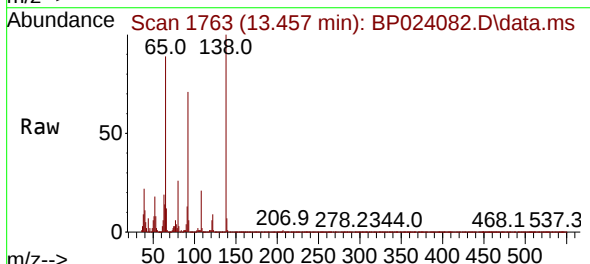
Tgt Ion:162 Resp: 33322
Ion Ratio Lower Upper
162 100
127 37.5 30.7 46.1
164 32.7 26.6 39.8

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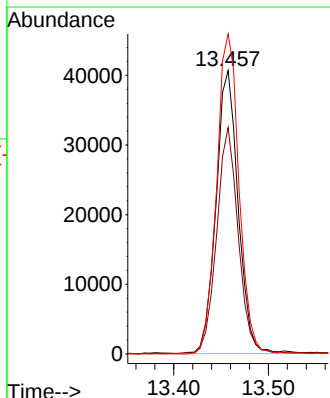
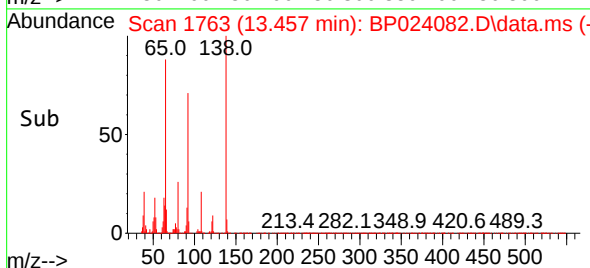
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

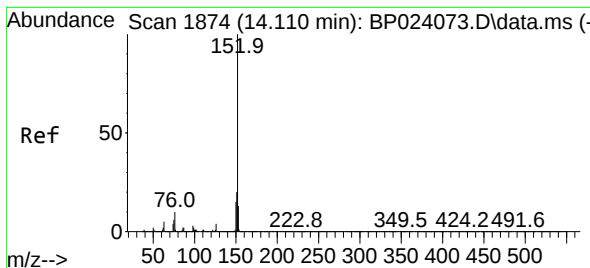


#48
2-Nitroaniline
Concen: 5.128 ng
RT: 13.457 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



Tgt Ion: 65 Resp: 65807
Ion Ratio Lower Upper
65 100
92 79.9 61.7 92.5
138 112.9 94.6 142.0





#49

Acenaphthylene

Concen: 6.101 ng

RT: 14.104 min Scan# 1873

Delta R.T. -0.006 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

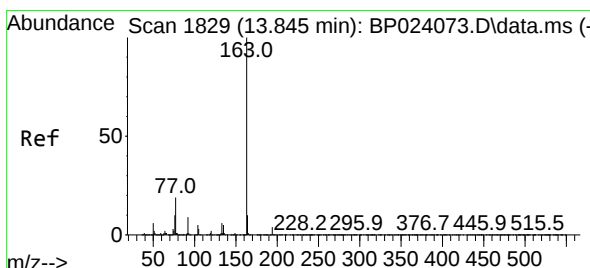
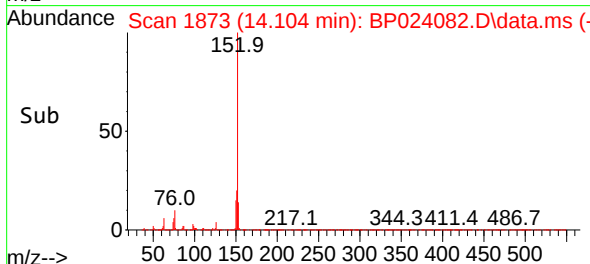
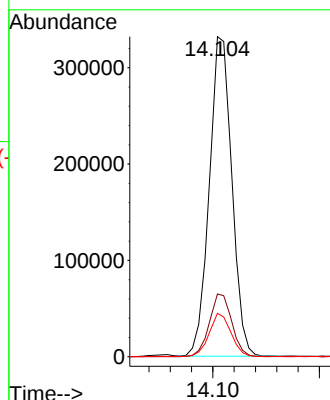
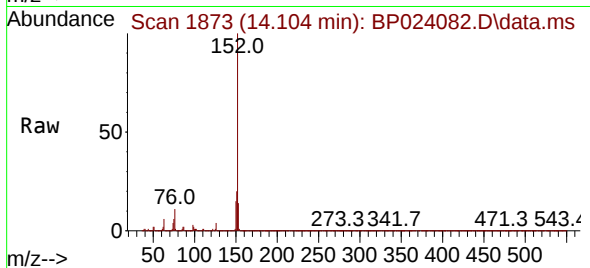
Tgt Ion:152 Resp: 488262
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.8 23.8
 153 13.6 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#50

Dimethylphthalate

Concen: 5.878 ng

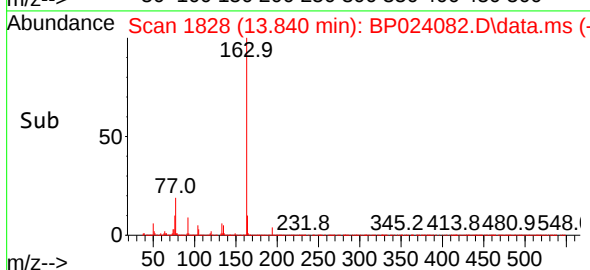
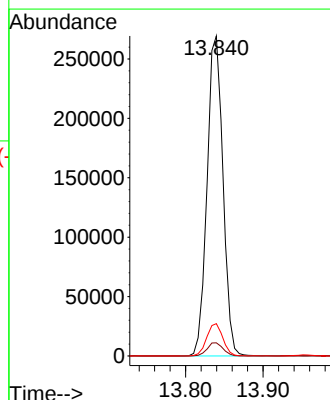
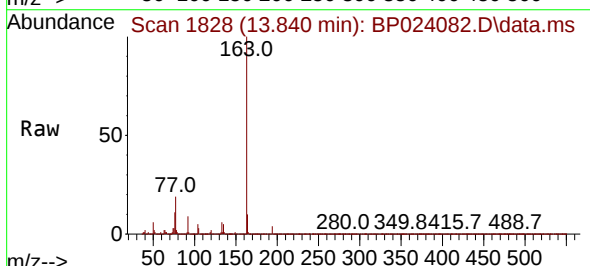
RT: 13.840 min Scan# 1828

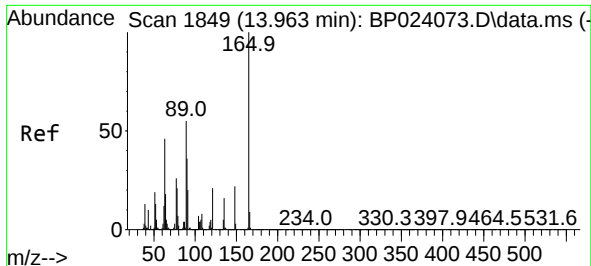
Delta R.T. -0.006 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

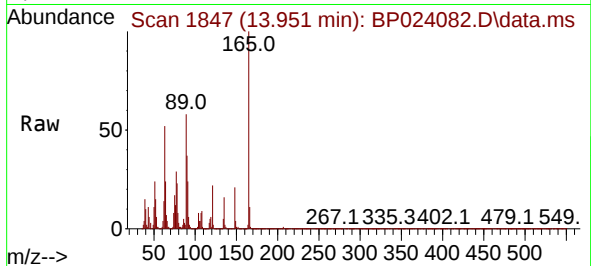
Tgt Ion:163 Resp: 383422
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.4 5.2
 164 10.1 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 5.439 ng
RT: 13.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

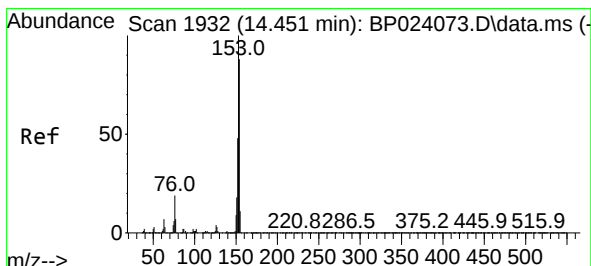
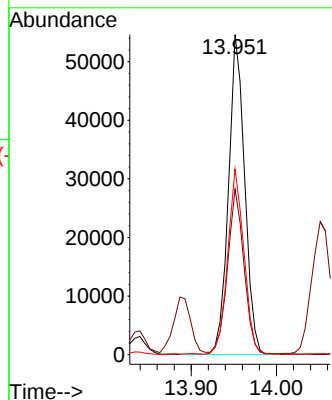
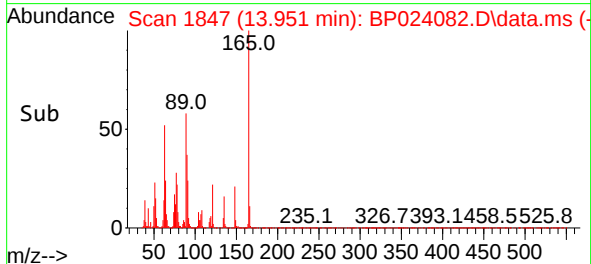
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 7226
Ion Ratio Lower Upper
165 100
63 51.7 40.1 60.1
89 58.1 44.2 66.4

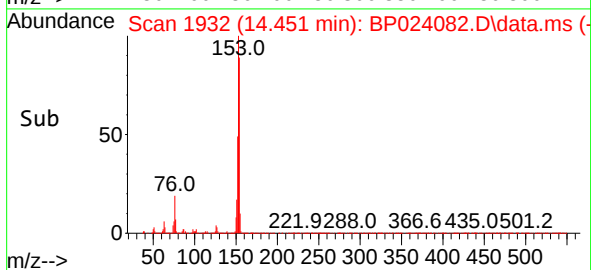
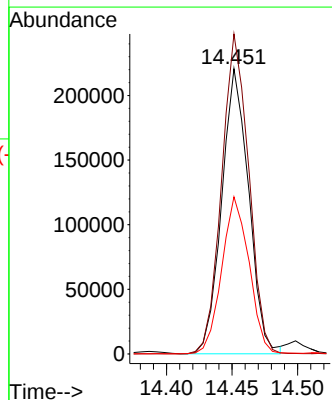
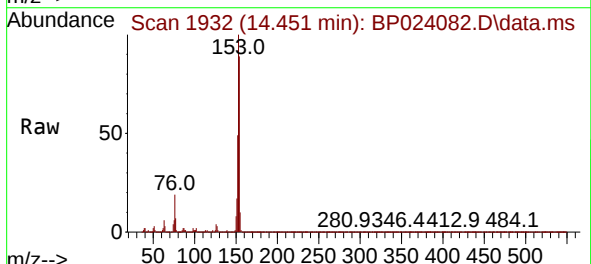
Manual Integrations
APPROVED

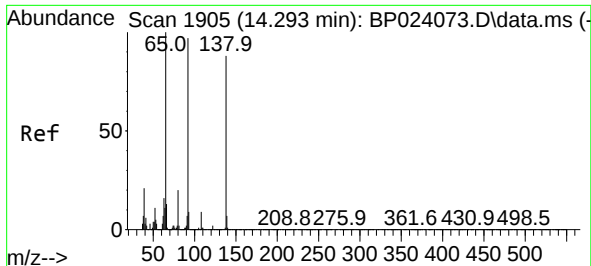
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#52
Acenaphthene
Concen: 6.130 ng
RT: 14.451 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion:154 Resp: 315921
Ion Ratio Lower Upper
154 100
153 112.2 90.6 135.8
152 55.1 43.6 65.4





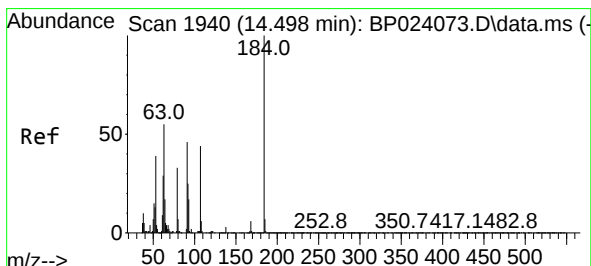
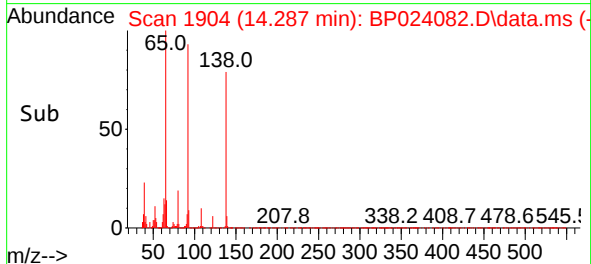
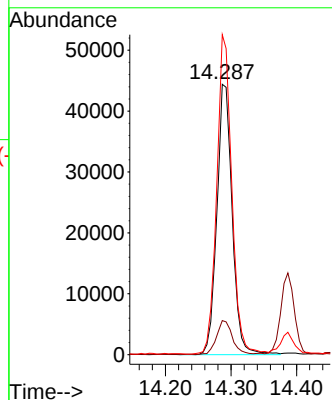
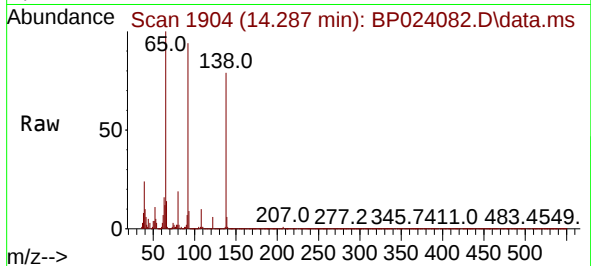
#53
3-Nitroaniline
Concen: 5.068 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion:138 Resp: 71860
Ion Ratio Lower Upper
138 100
108 12.6 7.8 11.8
92 118.3 88.4 132.6

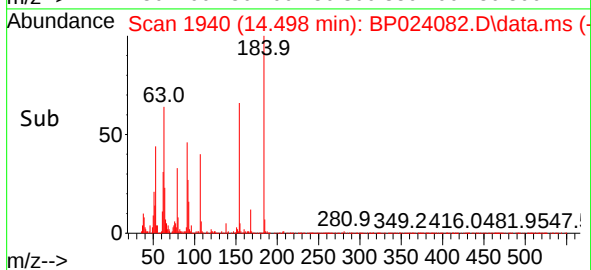
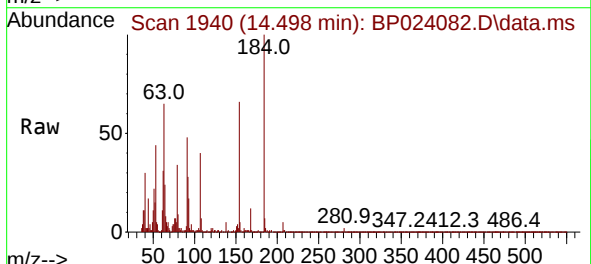
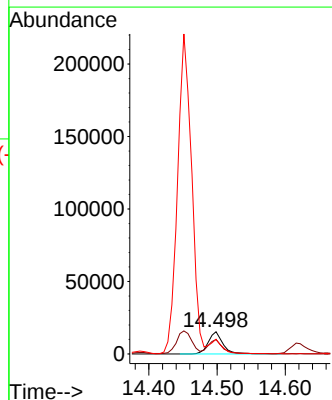
Manual Integrations
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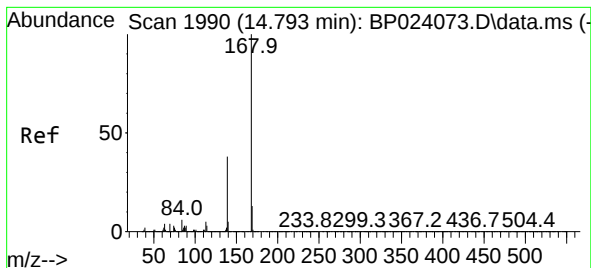
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#54
2,4-Dinitrophenol
Concen: 10.121 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

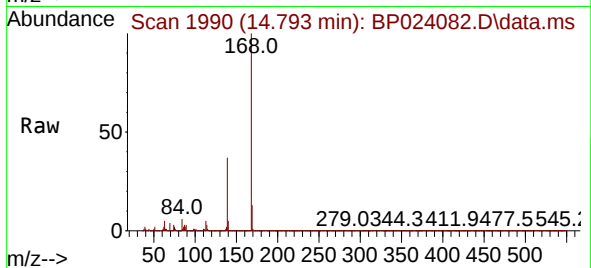
Tgt Ion:184 Resp: 22724
Ion Ratio Lower Upper
184 100
63 64.7 49.4 74.0
154 66.2 49.2 73.8





#55
Dibenzenofuran
Concen: 5.892 ng
RT: 14.793 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

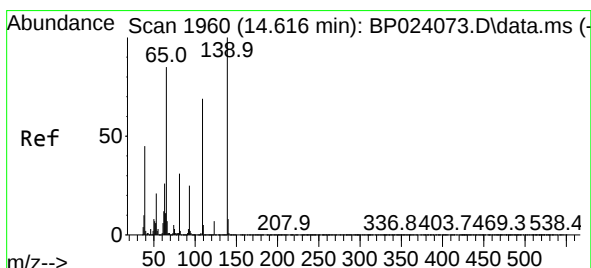
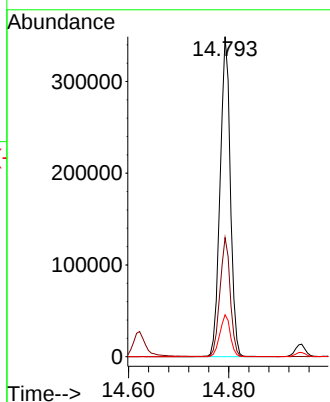
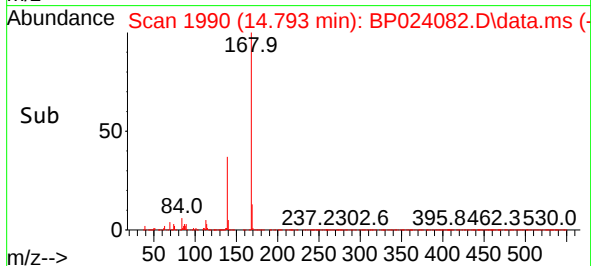
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



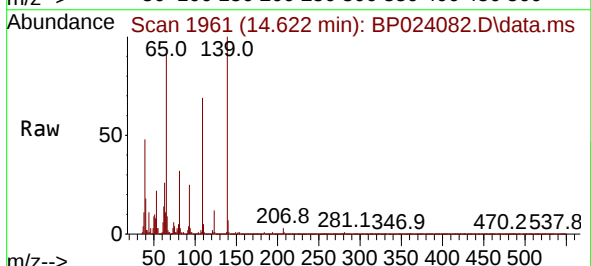
Tgt Ion:168 Resp: 49334
Ion Ratio Lower Upper
168 100
139 37.2 30.2 45.2
169 13.1 10.7 16.1

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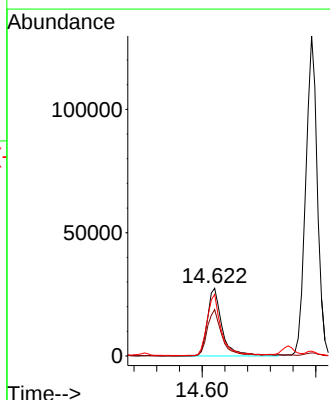
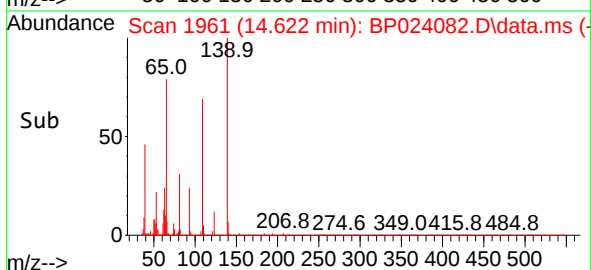
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

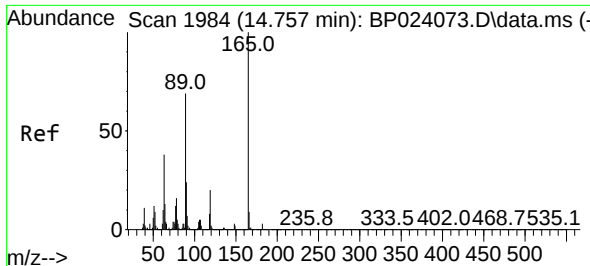


#56
4-Nitrophenol
Concen: 3.985 ng
RT: 14.622 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



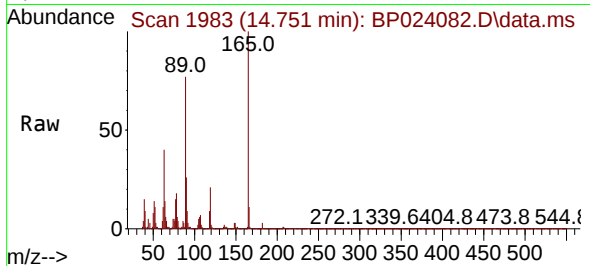
Tgt Ion:139 Resp: 48802
Ion Ratio Lower Upper
139 100
109 68.6 49.2 89.2
65 91.0 65.4 105.4





#57
2,4-Dinitrotoluene
Concen: 4.887 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

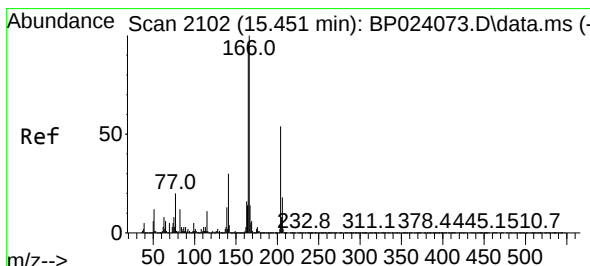
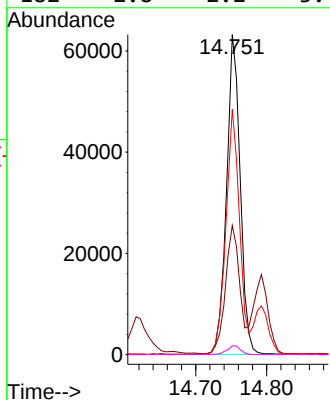
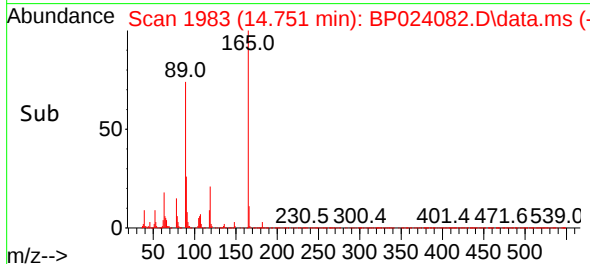
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 84349
Ion Ratio Lower Upper
165 100
63 40.3 30.4 45.6
89 76.6 54.8 82.2
182 2.8 2.2 3.4

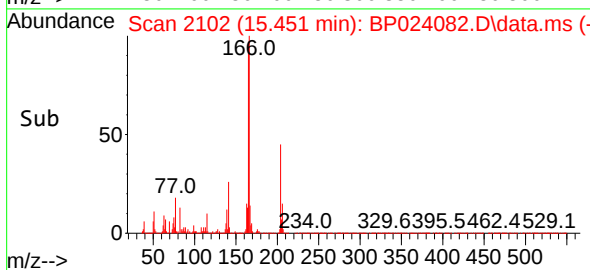
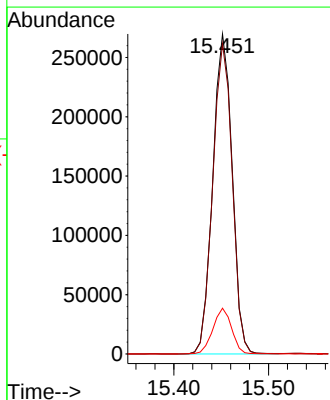
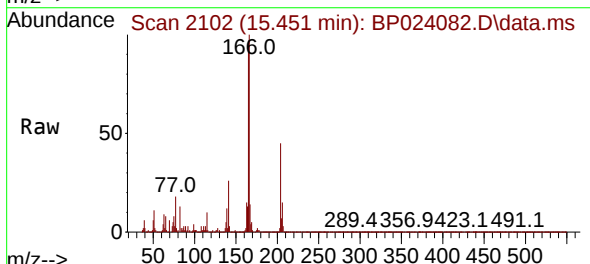
Manual Integrations
APPROVED

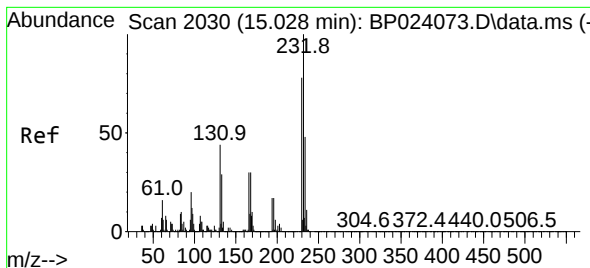
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#58
Fluorene
Concen: 5.880 ng
RT: 15.451 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

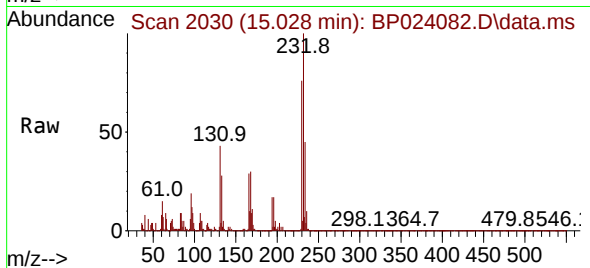
Tgt Ion:166 Resp: 384463
Ion Ratio Lower Upper
166 100
165 97.0 77.5 116.3
167 14.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.137 ng
RT: 15.028 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

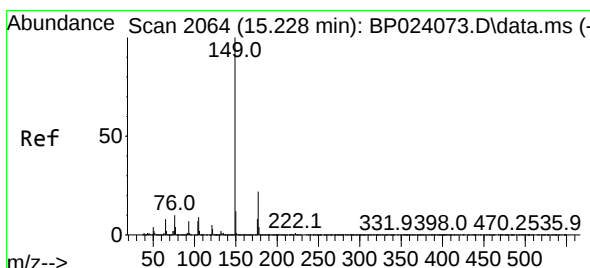
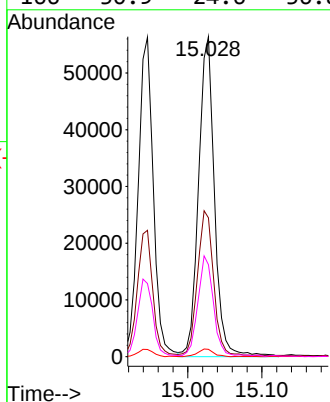
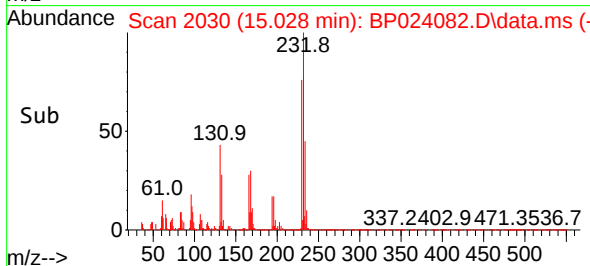
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



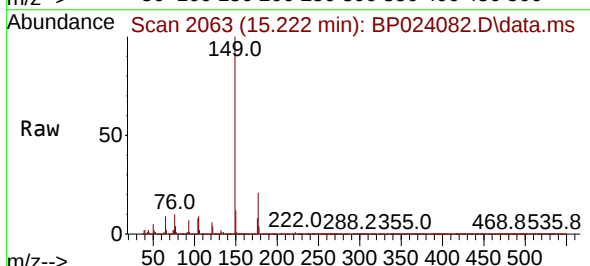
Tgt Ion:232 Resp: 8446
Ion Ratio Lower Upper
232 100
131 45.9 37.3 55.9
130 2.4 1.9 2.9
166 30.9 24.6 36.8

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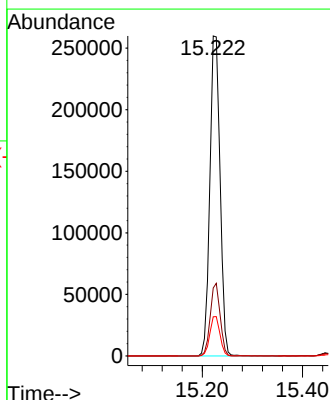
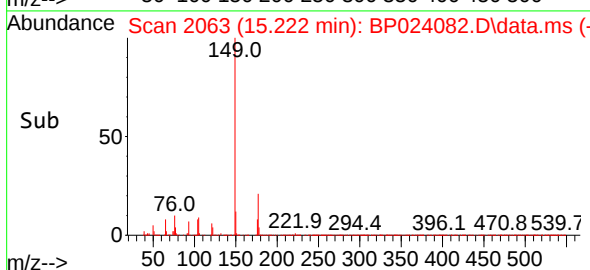
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

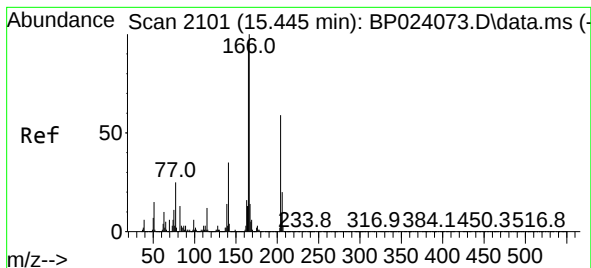


#60
Diethylphthalate
Concen: 5.667 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



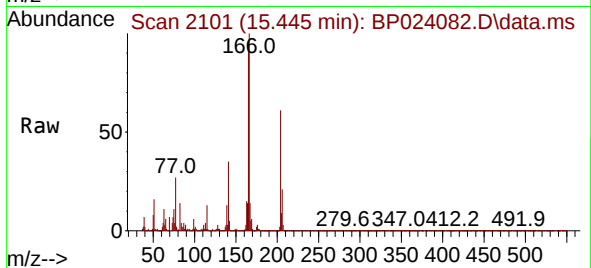
Tgt Ion:149 Resp: 366946
Ion Ratio Lower Upper
149 100
177 21.2 17.9 26.9
150 12.3 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 5.846 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

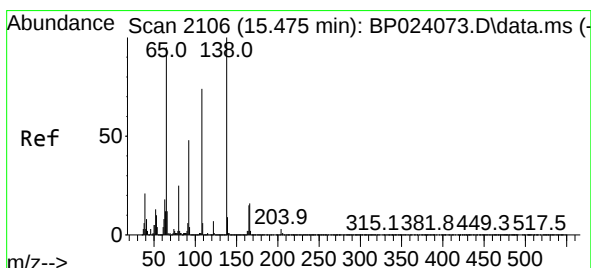
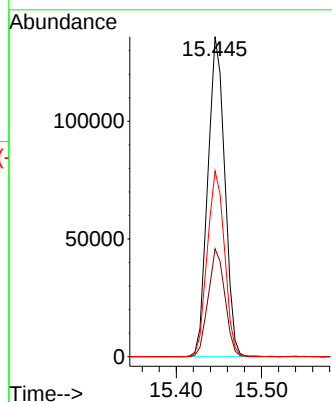
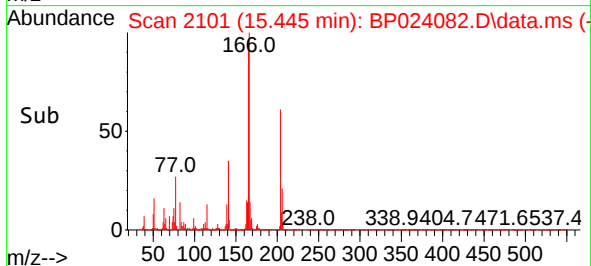
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:204 Resp: 18815
Ion Ratio Lower Upper
204 100
206 33.7 26.6 39.8
141 58.0 47.8 71.6

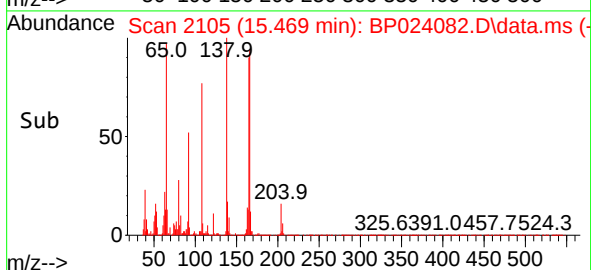
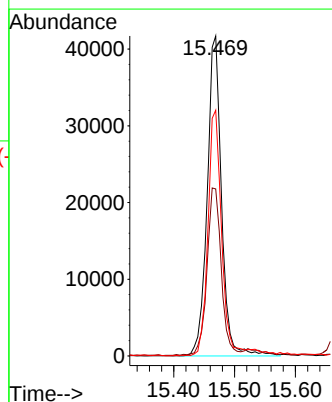
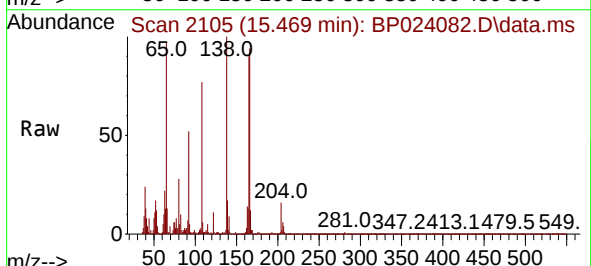
Manual Integrations
APPROVED

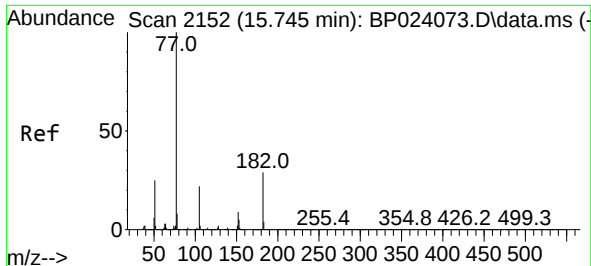
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#62
4-Nitroaniline
Concen: 7.084 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

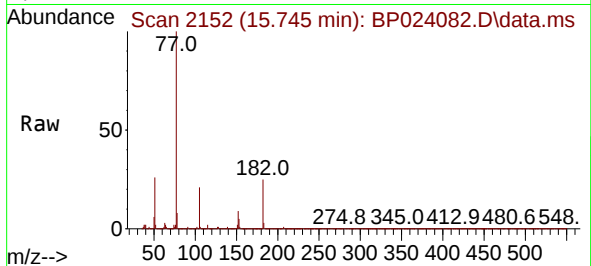
Tgt Ion:138 Resp: 68423
Ion Ratio Lower Upper
138 100
92 52.2 28.3 68.3
108 76.8 54.0 94.0





#63
Azobenzene
Concen: 5.720 ng
RT: 15.745 min Scan# 2152
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

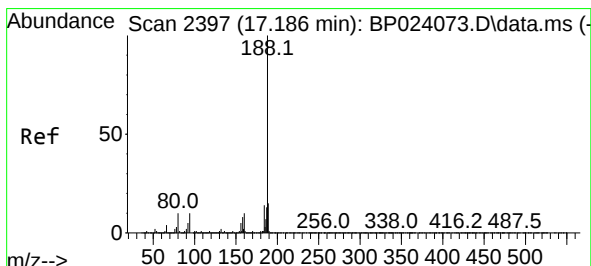
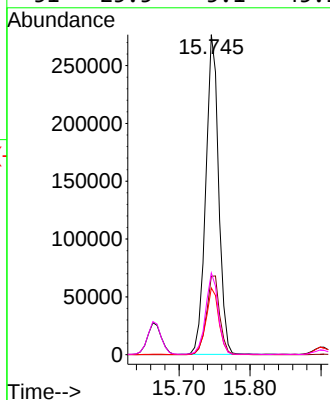
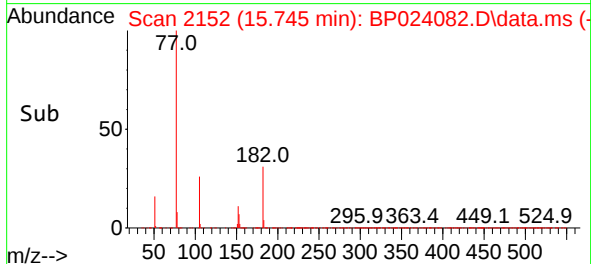
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 77 Resp: 347050
Ion Ratio Lower Upper
77 100
182 24.5 8.5 48.5
105 20.9 1.8 41.8
51 25.5 5.1 45.1

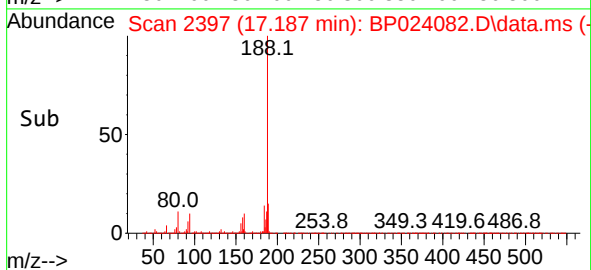
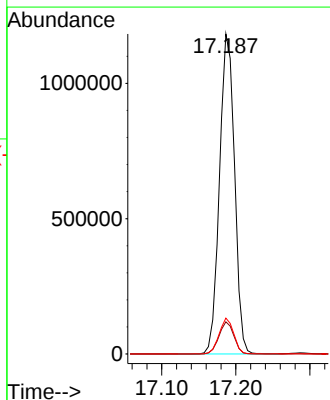
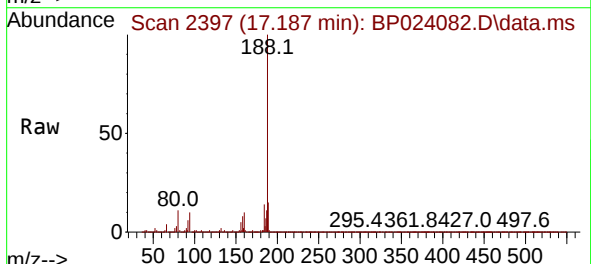
Manual Integrations
APPROVED

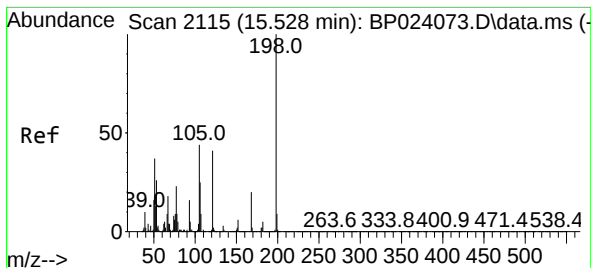
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion:188 Resp: 1668106
Ion Ratio Lower Upper
188 100
94 10.0 7.6 11.4
80 11.2 8.2 12.2





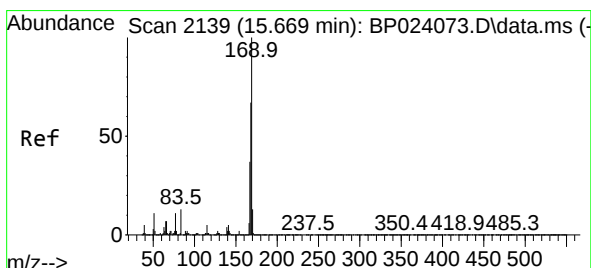
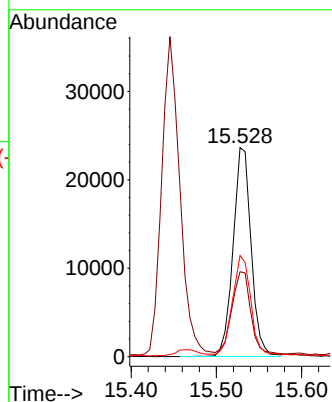
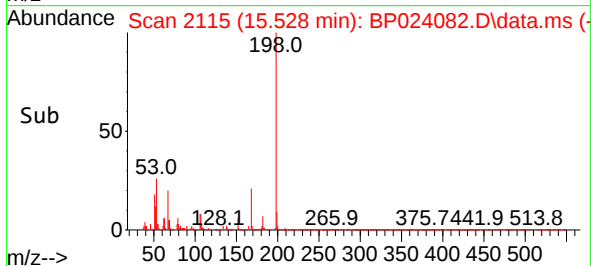
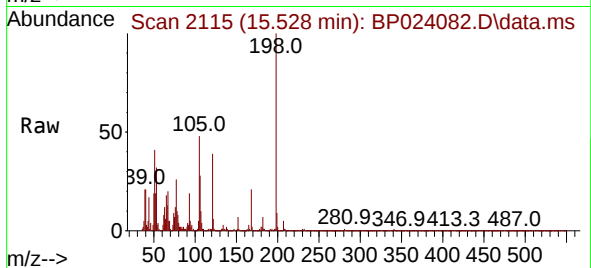
#65
4,6-Dinitro-2-methylphenol
Concen: 8.849 ng
RT: 15.528 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Instrument : BNA_P
Client Sample Id : LOQ-SOIL-02-QT1-2025

Tgt Ion:198 Resp: 3478
Ion Ratio Lower Upper
198 100
51 40.7 18.7 58.7
105 48.4 24.7 64.7

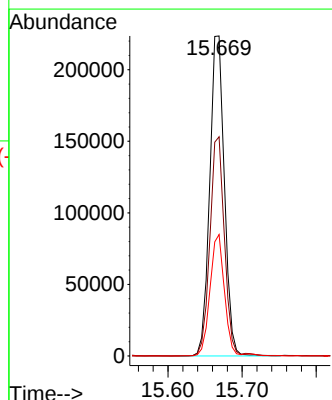
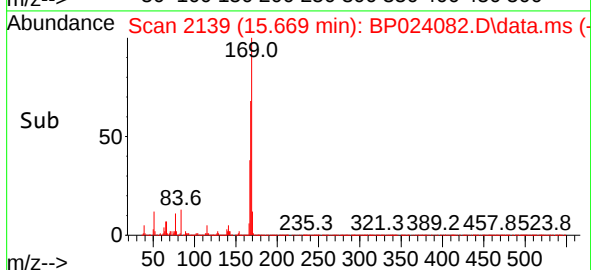
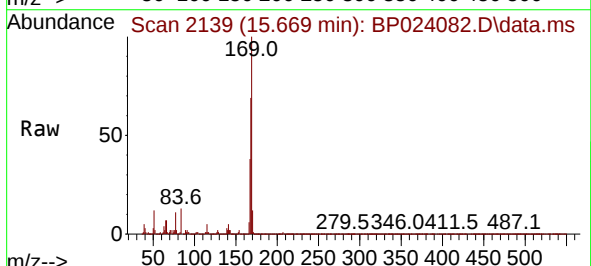
Manual Integrations
APPROVED

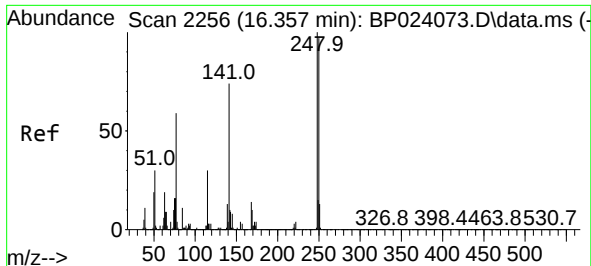
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#66
n-Nitrosodiphenylamine
Concen: 5.912 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

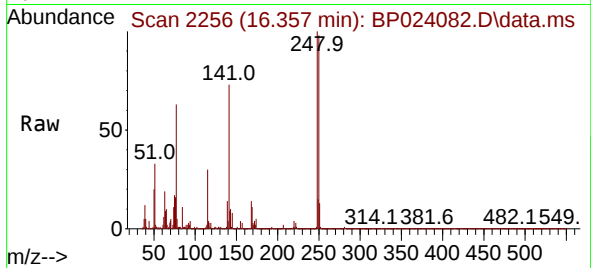
Tgt Ion:169 Resp: 307545
Ion Ratio Lower Upper
169 100
168 68.5 53.6 80.4
167 38.0 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 5.705 ng
RT: 16.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

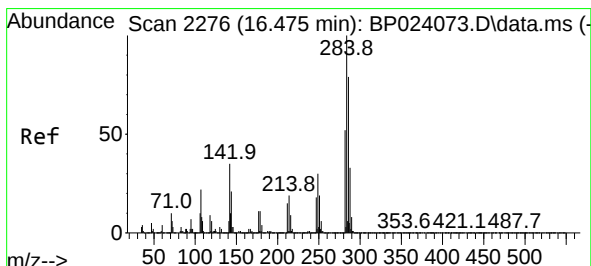
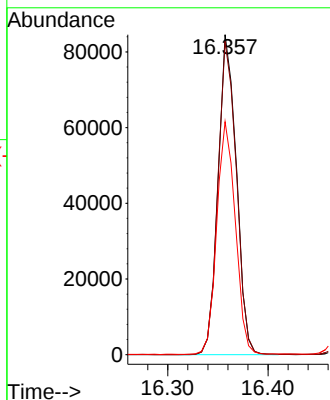
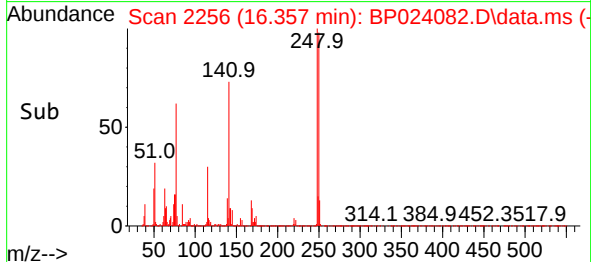
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:248 Resp: 106858
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 72.8 58.8 88.2

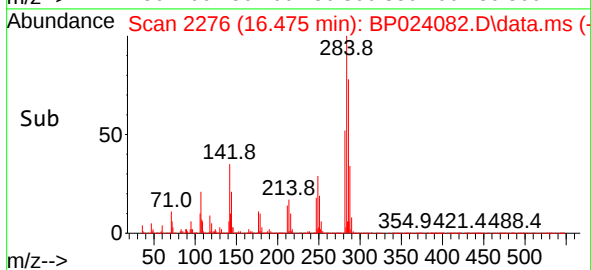
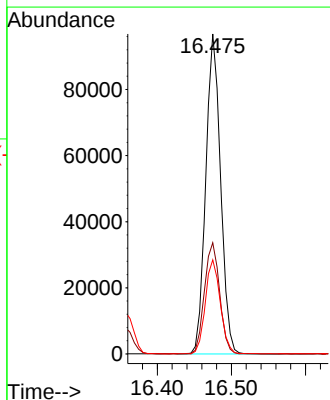
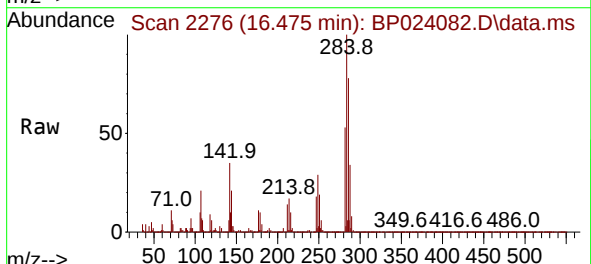
Manual Integrations
APPROVED

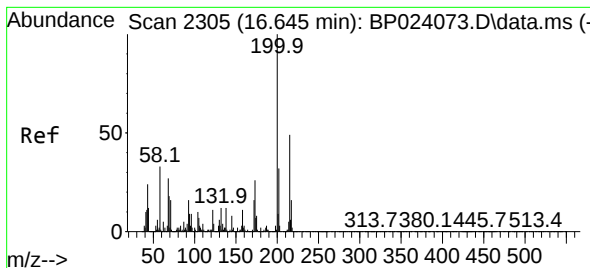
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#68
Hexachlorobenzene
Concen: 6.094 ng
RT: 16.475 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion:284 Resp: 134316
Ion Ratio Lower Upper
284 100
142 34.7 27.7 41.5
249 29.4 23.8 35.6





#69

Atrazine

Concen: 6.604 ng

RT: 16.640 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:200 Resp: 88160

Ion Ratio Lower Upper

200 100

173 27.4 5.7 45.7

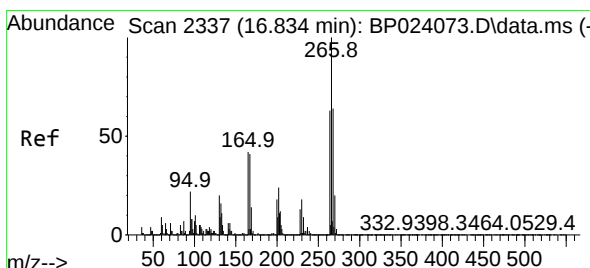
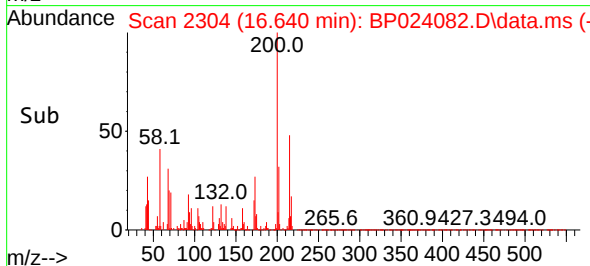
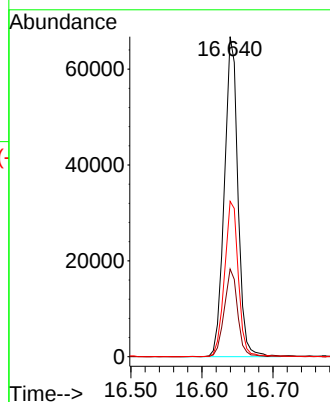
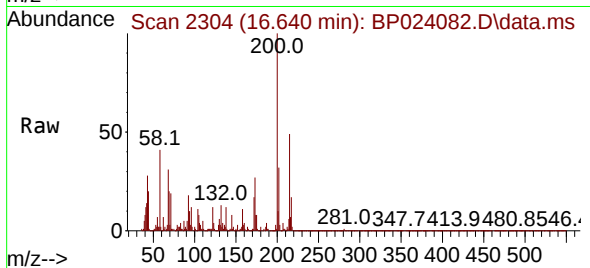
215 48.6 28.7 68.7

Manual Integrations

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#70

Pentachlorophenol

Concen: 3.748 ng

RT: 16.834 min Scan# 2337

Delta R.T. -0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

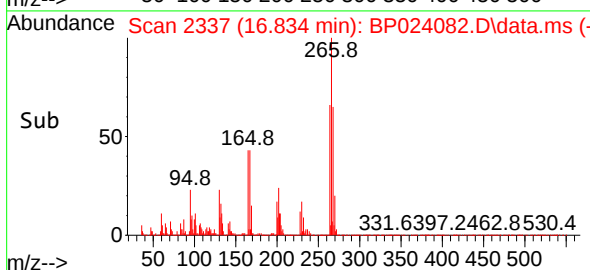
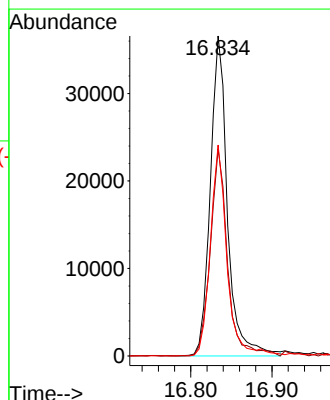
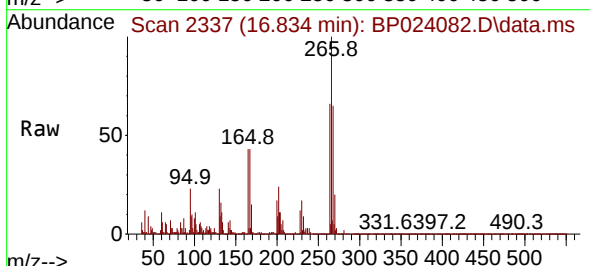
Tgt Ion:266 Resp: 53653

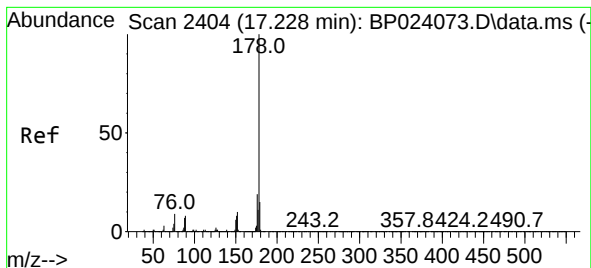
Ion Ratio Lower Upper

266 100

268 64.7 51.3 76.9

264 65.9 50.5 75.7





#71

Phenanthrene

Concen: 6.116 ng

RT: 17.228 min Scan# 2404

Delta R.T. 0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

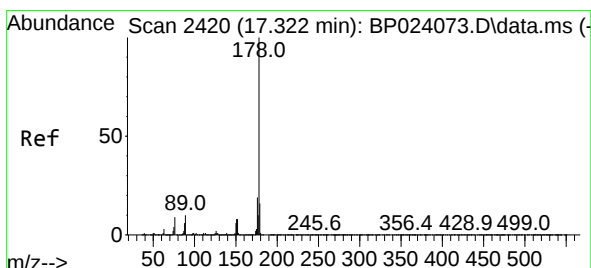
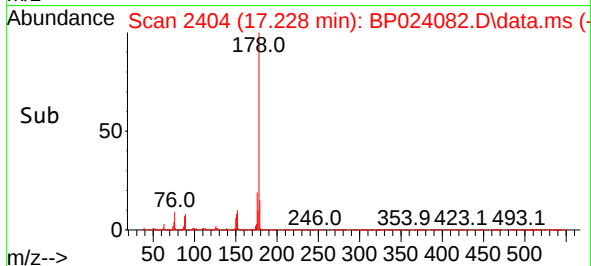
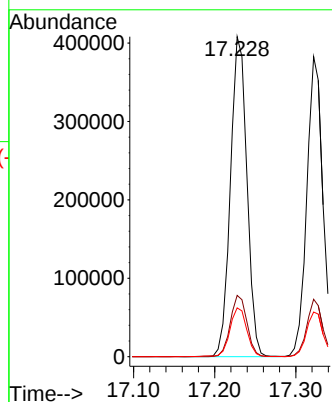
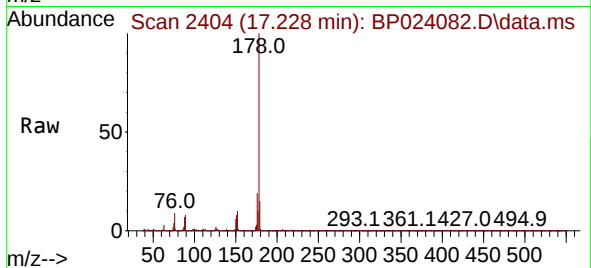
Tgt Ion:178 Resp: 575219
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 15.2 12.4 18.6

Manual Integrations

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#72

Anthracene

Concen: 5.883 ng

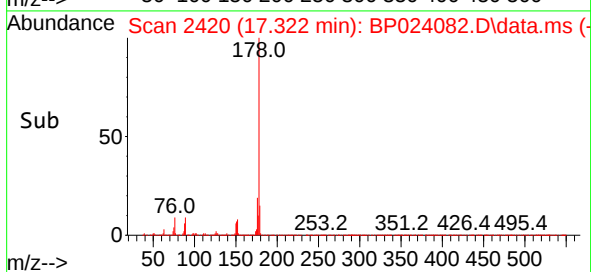
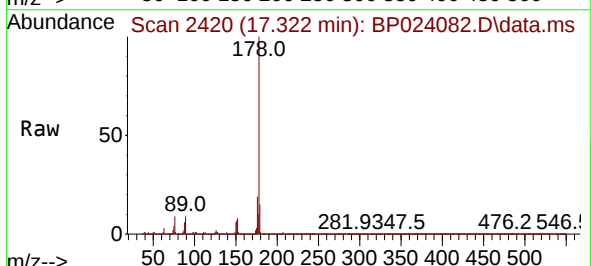
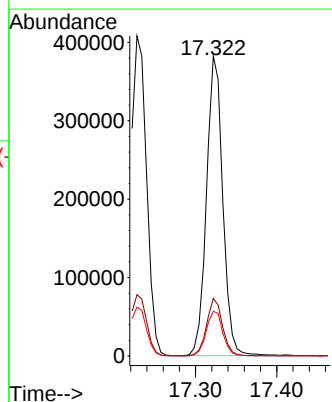
RT: 17.322 min Scan# 2420

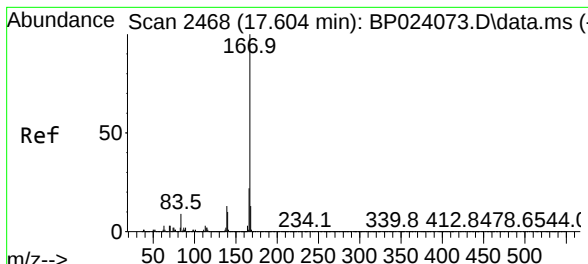
Delta R.T. 0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Tgt Ion:178 Resp: 530213
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 14.9 12.6 19.0





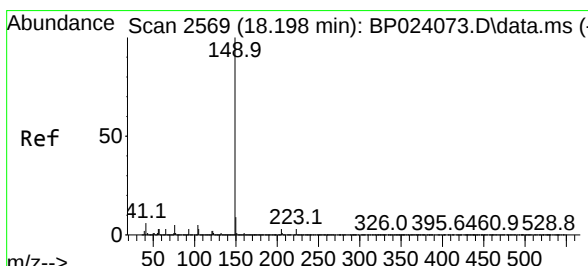
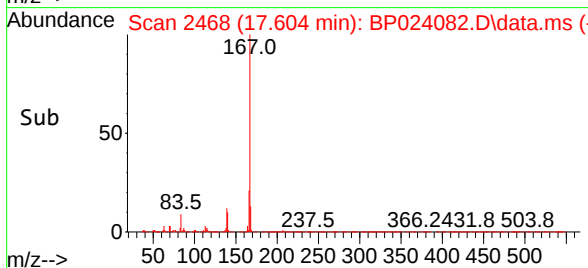
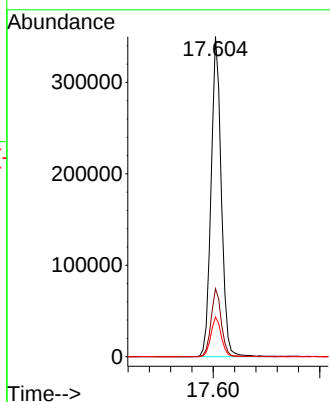
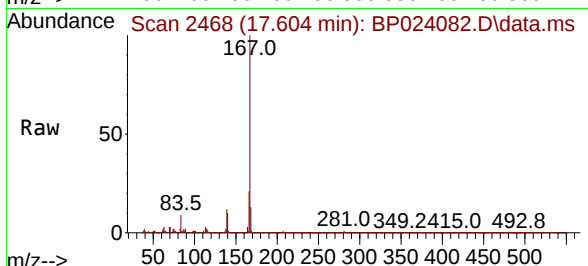
#73
 Carbazole
 Concen: 5.439 ng
 RT: 17.604 min Scan# 2468
 Delta R.T. 0.000 min
 Lab File: BP024082.D
 Acq: 18 Feb 2025 13:10

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

Tgt Ion:	167	Resp:	467064
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.3	25.9
139	12.4	10.3	15.5

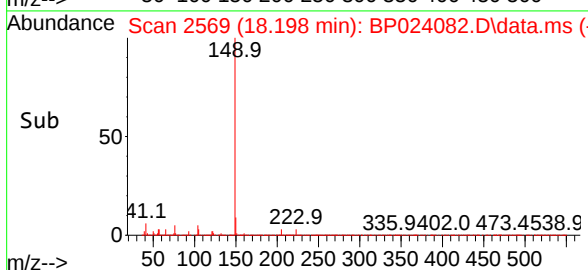
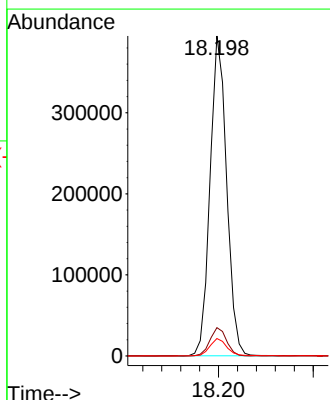
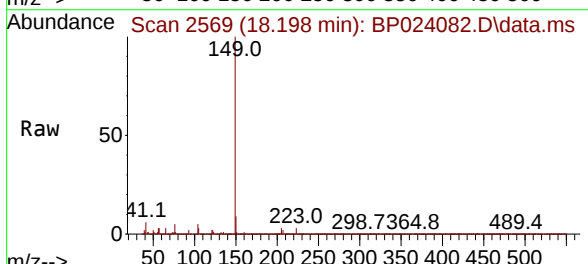
Manual Integrations
 APPROVED

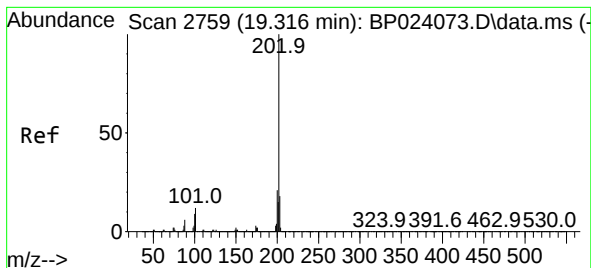
Reviewed By :Rahul Chavli 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#74
 Di-n-butylphthalate
 Concen: 4.795 ng
 RT: 18.198 min Scan# 2569
 Delta R.T. 0.000 min
 Lab File: BP024082.D
 Acq: 18 Feb 2025 13:10

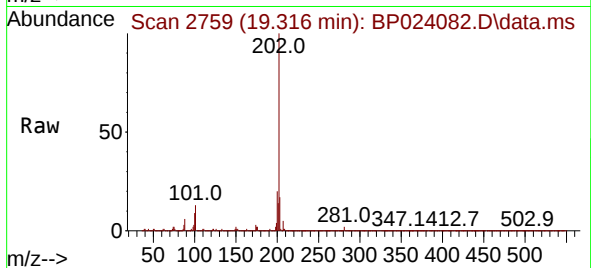
Tgt Ion:	149	Resp:	480448
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.4	11.2
104	5.4	4.2	6.2





#75
Fluoranthene
Concen: 5.002 ng
RT: 19.316 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

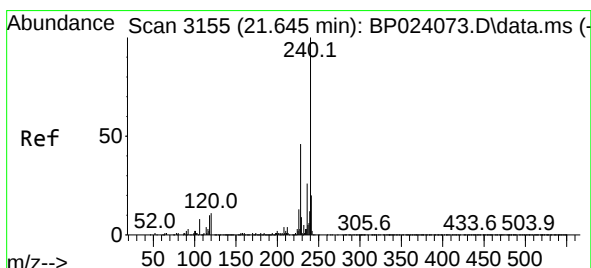
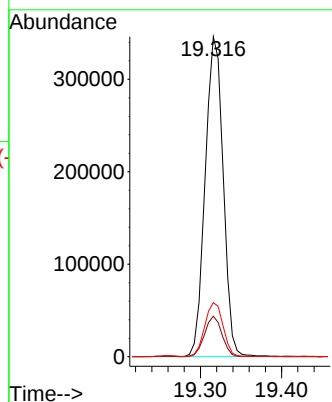
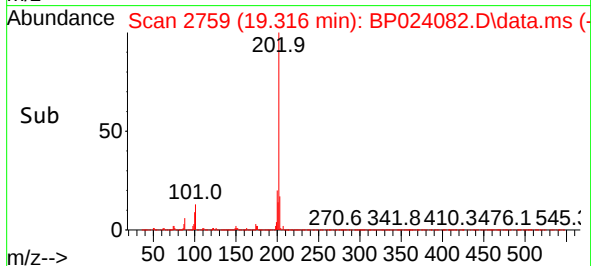
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:202 Resp: 532028
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.9
203 16.9 0.0 37.7

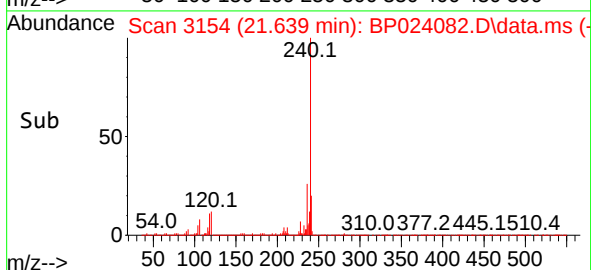
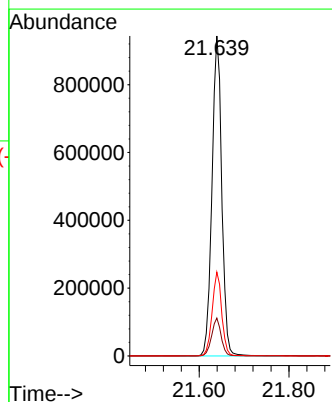
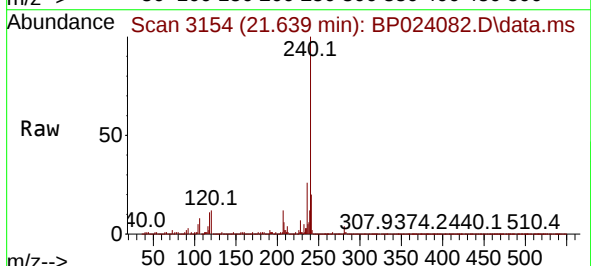
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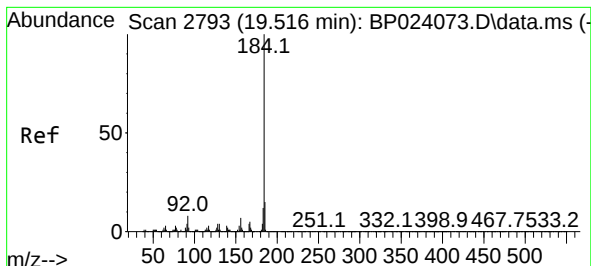
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion:240 Resp: 1421799
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 26.2 20.7 31.1





#77

Benzidine

Concen: 9.458 ng

RT: 19.516 min Scan# 2793

Delta R.T. 0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

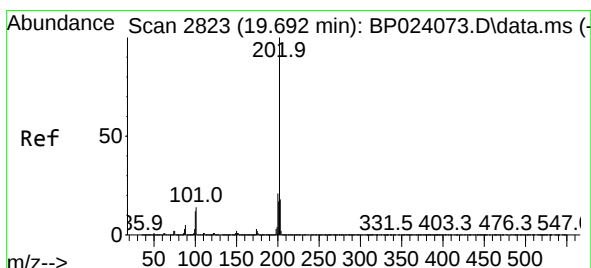
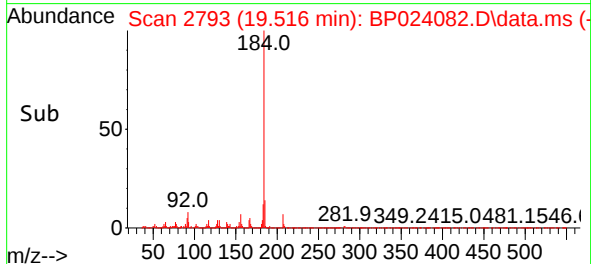
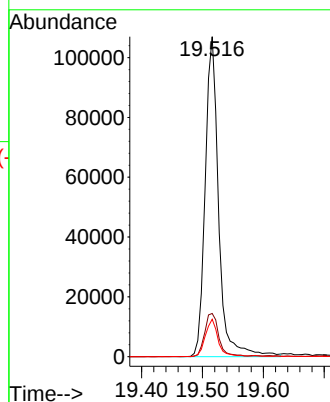
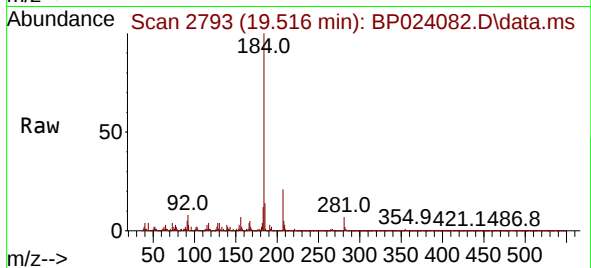
Tgt Ion:184	Resp: 16386
Ion Ratio	Lower Upper
184 100	
185 13.5	11.8 17.8
183 11.7	9.3 13.9

Manual Integrations

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#78

Pyrene

Concen: 6.259 ng

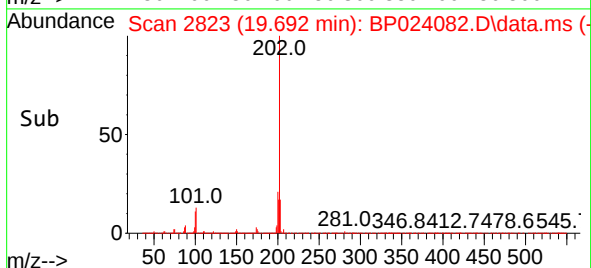
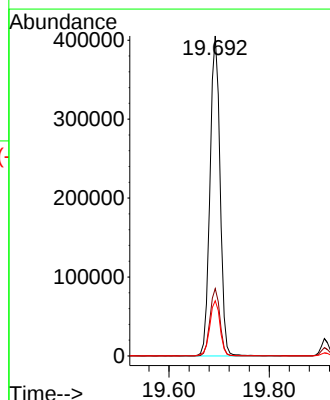
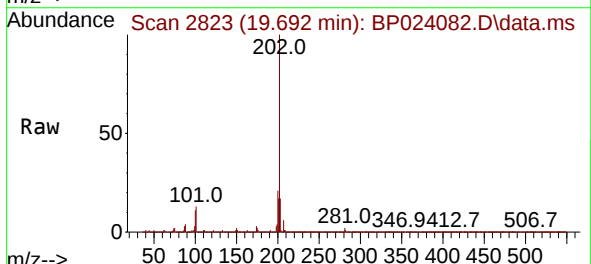
RT: 19.692 min Scan# 2823

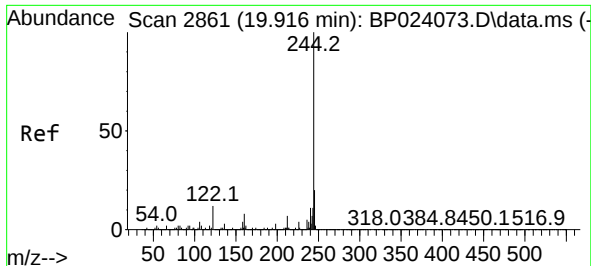
Delta R.T. 0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

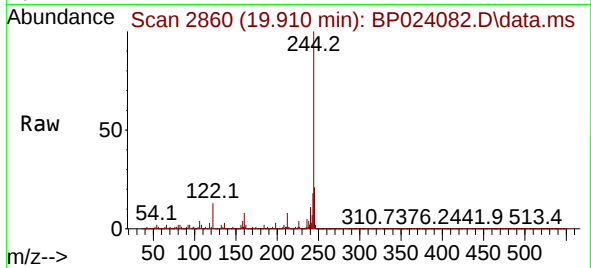
Tgt Ion:202	Resp: 565252
Ion Ratio	Lower Upper
202 100	
200 21.0	17.2 25.8
203 17.3	14.4 21.6





#79
 Terphenyl-d14
 Concen: 96.964 ng
 RT: 19.910 min Scan# 2861
 Delta R.T. -0.006 min
 Lab File: BP024082.D
 Acq: 18 Feb 2025 13:10

Instrument : BNA_P
 Client Sample Id : LOQ-SOIL-02-QT1-2025

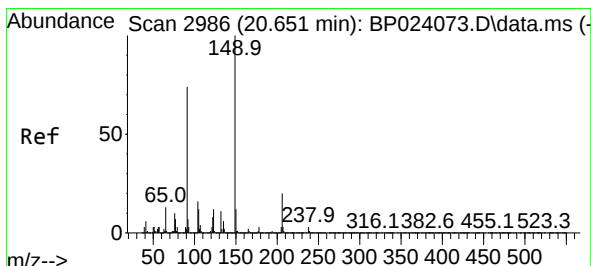
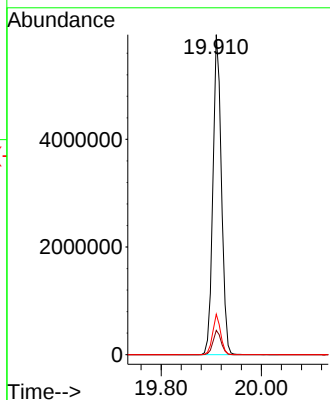
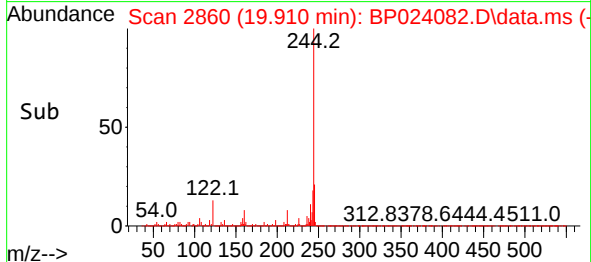


Tgt Ion: 244 Resp: 6967240

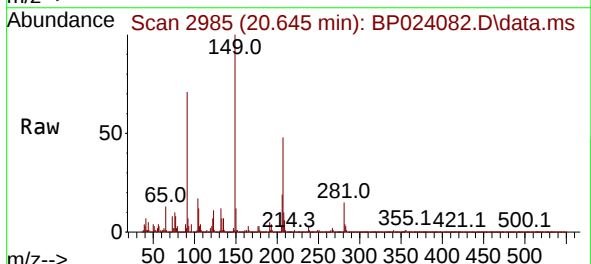
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	12.7	9.4	14.2

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

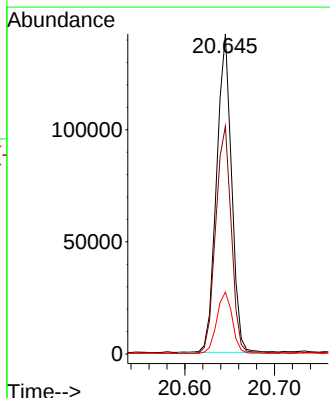
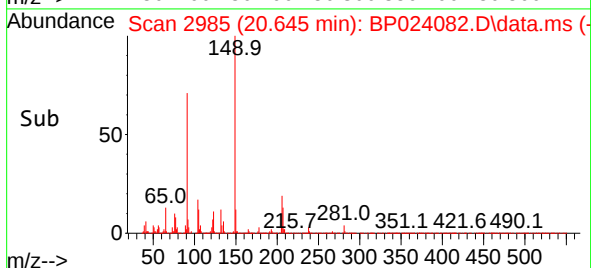


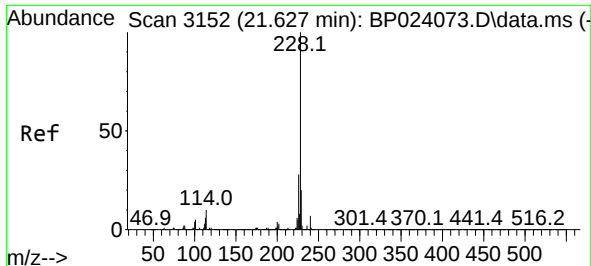
#80
 Butylbenzylphthalate
 Concen: 4.777 ng
 RT: 20.645 min Scan# 2985
 Delta R.T. -0.006 min
 Lab File: BP024082.D
 Acq: 18 Feb 2025 13:10



Tgt Ion: 149 Resp: 165305

Ion	Ratio	Lower	Upper
149	100		
91	71.2	59.4	89.0
206	19.3	16.2	24.2





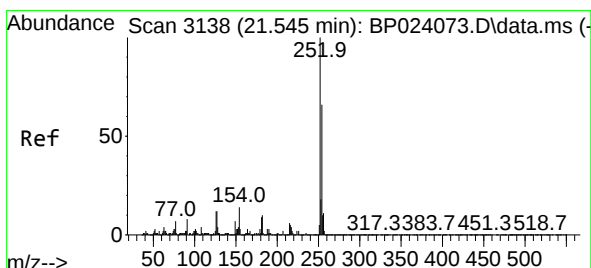
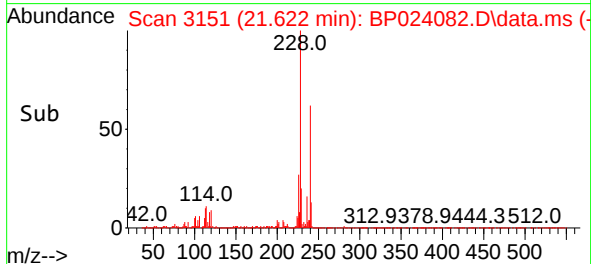
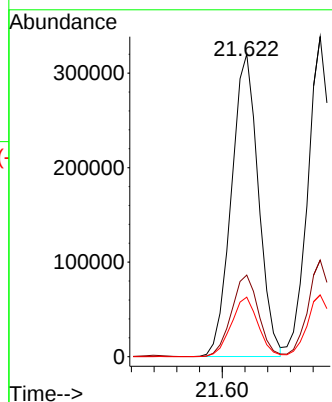
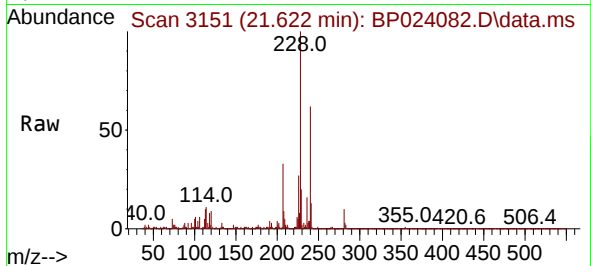
#81
Benzo(a)anthracene
Concen: 5.924 ng
RT: 21.622 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion:228 Resp: 52818
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.4
229 19.7 15.8 23.8

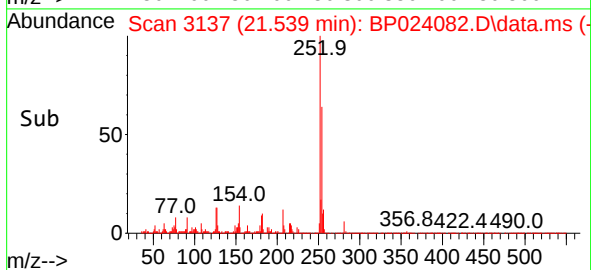
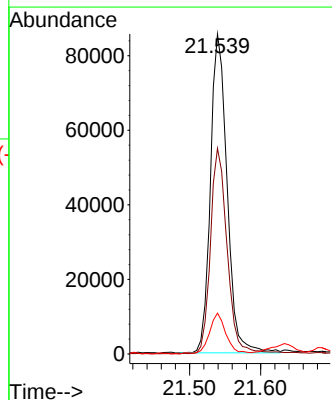
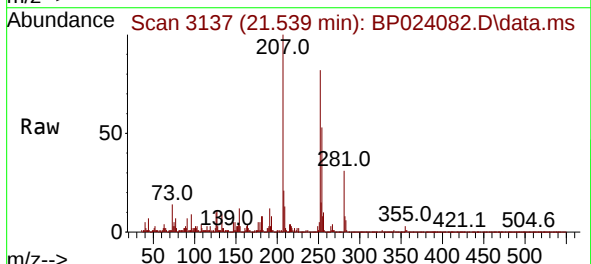
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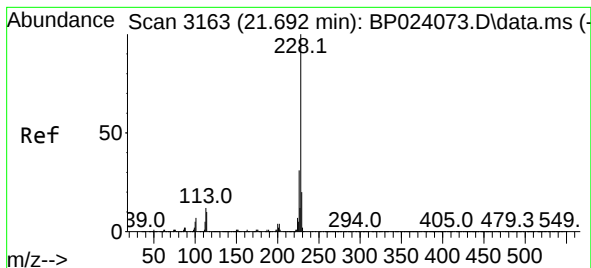
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#82
3,3'-Dichlorobenzidine
Concen: 5.002 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion:252 Resp: 139354
Ion Ratio Lower Upper
252 100
254 64.3 52.4 78.6
126 12.7 9.6 14.4





#83

Chrysene

Concen: 6.074 ng

RT: 21.686 min Scan# 3162

Delta R.T. -0.006 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

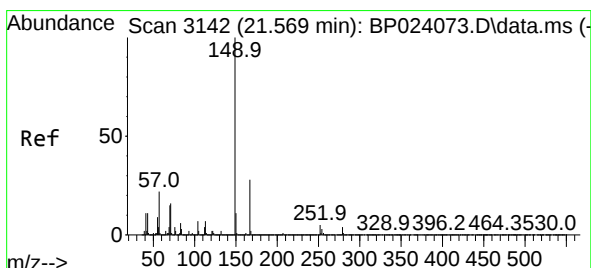
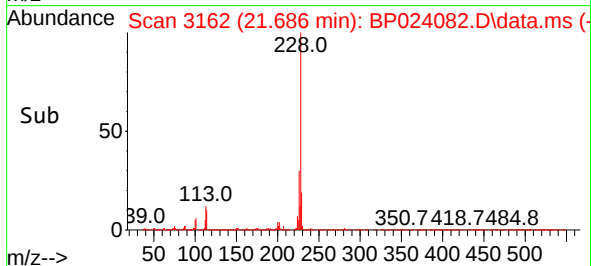
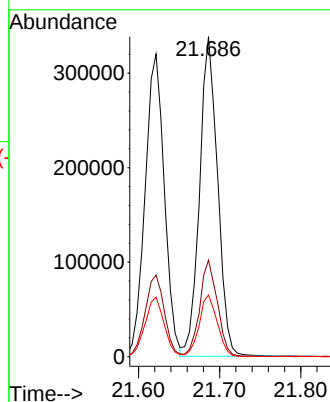
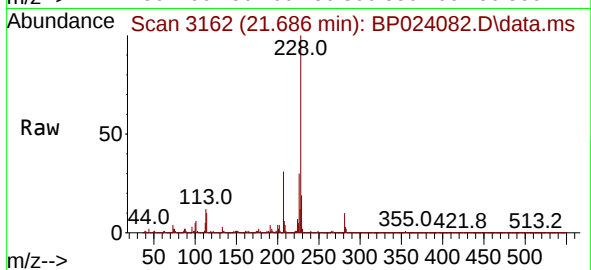
Tgt Ion:	228	Resp:	52218
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.5	36.7
229	19.3	16.1	24.1

Manual Integrations

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.574 ng

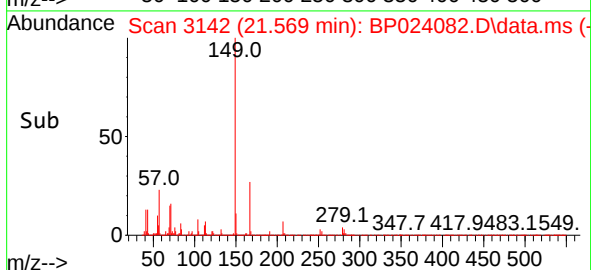
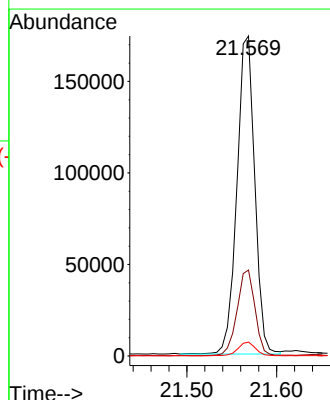
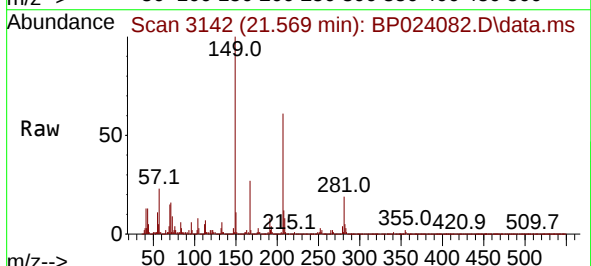
RT: 21.569 min Scan# 3142

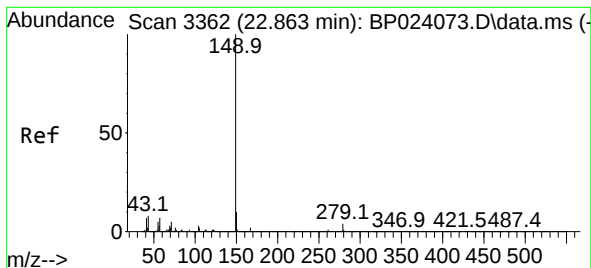
Delta R.T. 0.000 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

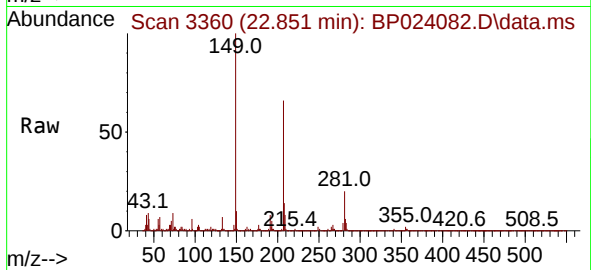
Tgt Ion:	149	Resp:	240064
Ion Ratio	Lower	Upper	
149	100		
167	26.8	22.2	33.2
279	4.3	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 3.740 ng
RT: 22.851 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

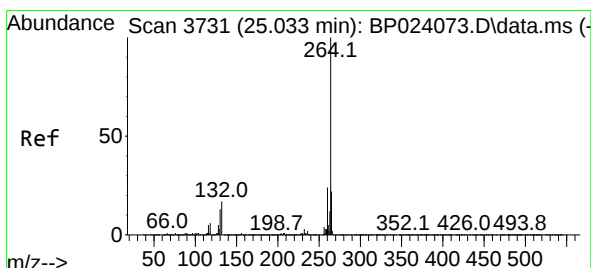
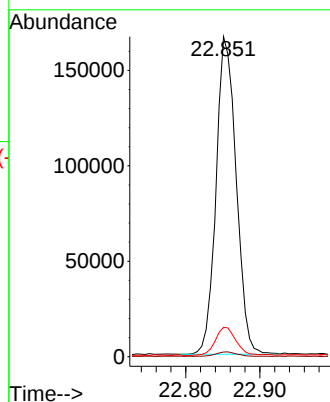
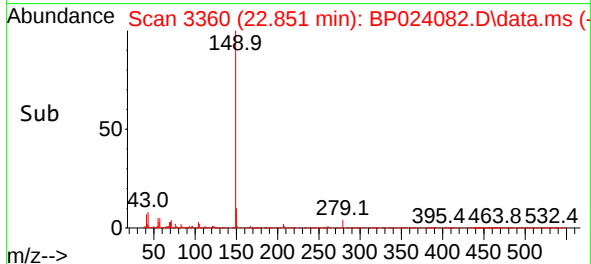
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



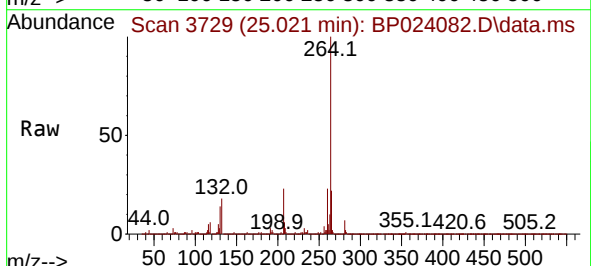
Tgt Ion:149 Resp: 31373
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.3 6.4 9.6

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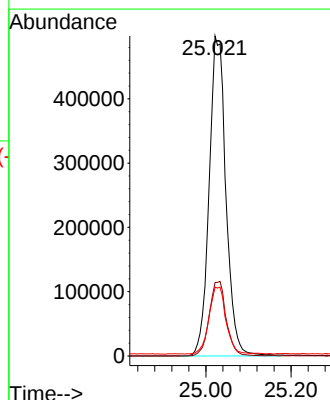
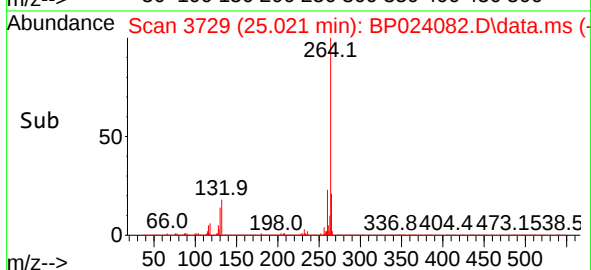
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

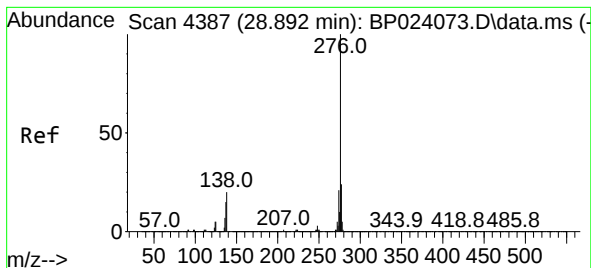


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3729
Delta R.T. -0.012 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10



Tgt Ion:264 Resp: 1361716
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 21.6 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.769 ng m

RT: 28.851 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

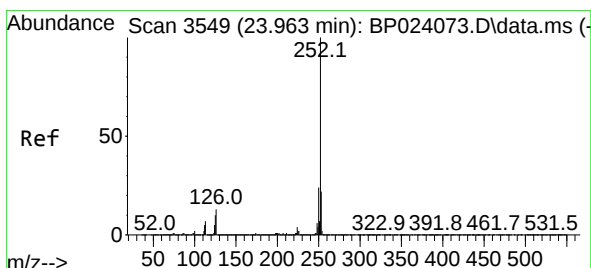
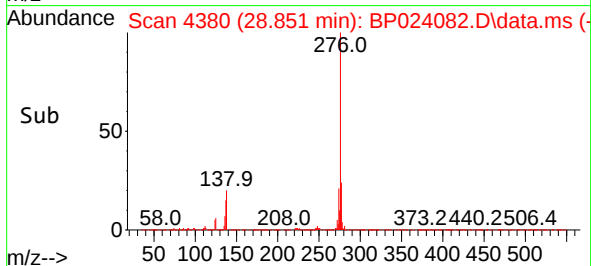
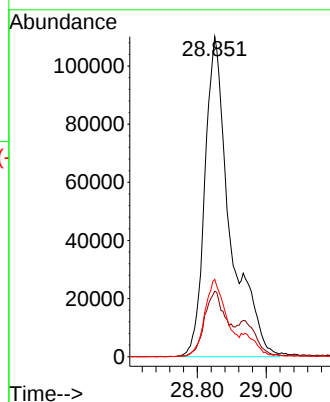
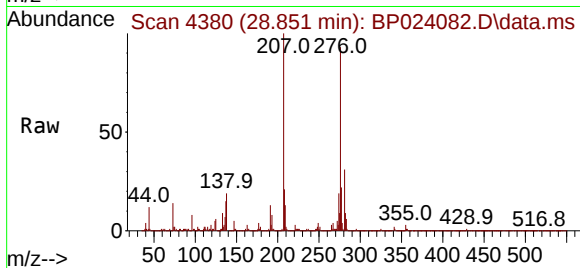
Tgt Ion:	276	Resp:	55890
Ion Ratio	Lower	Upper	
276	100		
138	18.0	14.2	21.4
277	20.7	16.2	24.4

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#88

Benzo(b)fluoranthene

Concen: 5.403 ng

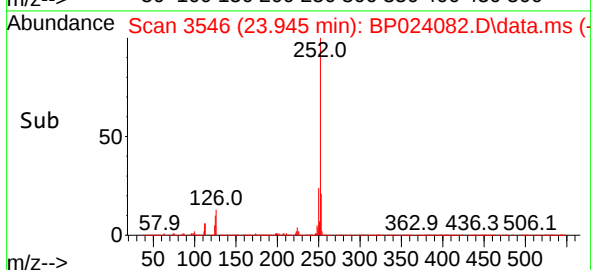
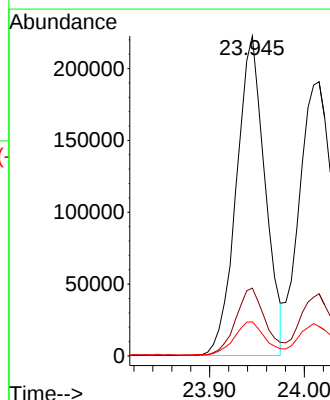
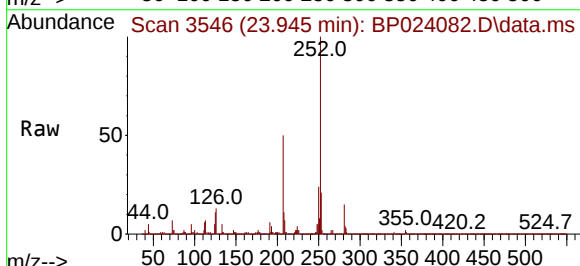
RT: 23.945 min Scan# 3546

Delta R.T. -0.018 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Tgt Ion:	252	Resp:	467175
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.8	26.6
125	10.6	8.4	12.6





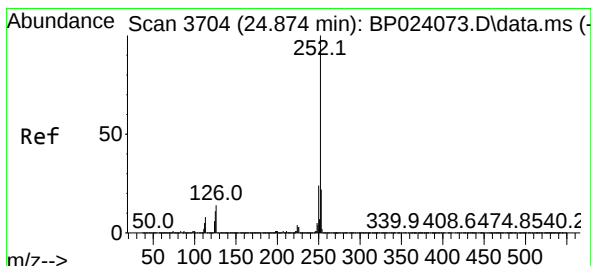
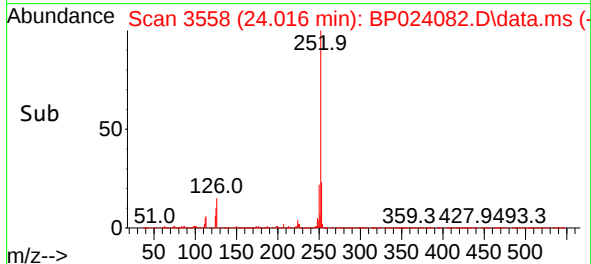
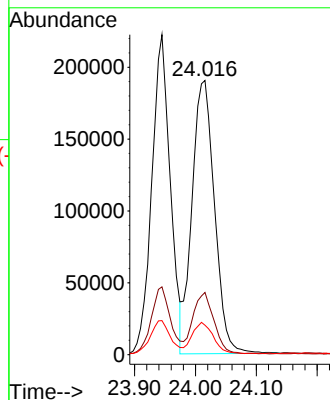
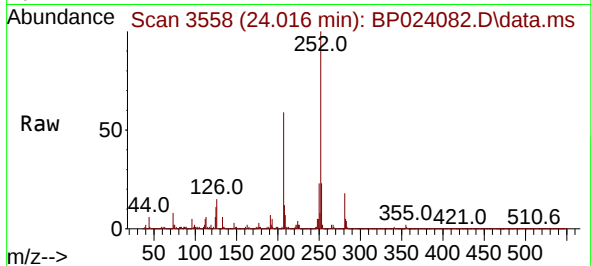
#89
Benzo(k)fluoranthene
Concen: 5.800 ng
RT: 24.016 min Scan# 3558
Delta R.T. -0.018 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

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

Tgt Ion:252 Resp: 488192
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.7 8.1 12.1

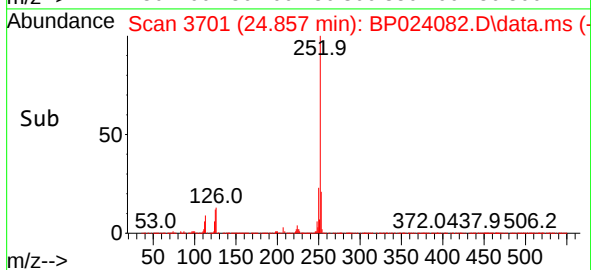
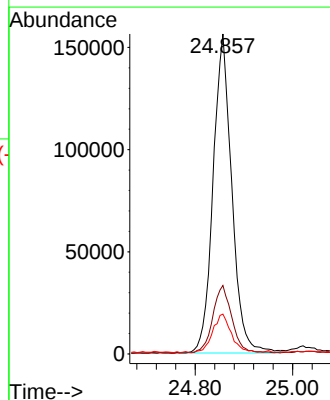
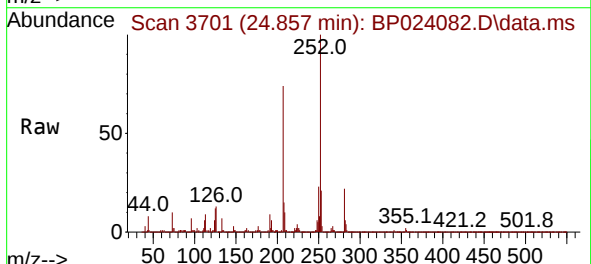
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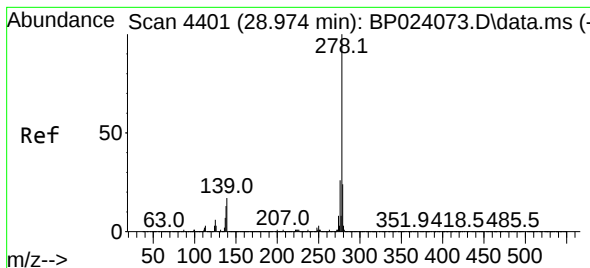
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#90
Benzo(a)pyrene
Concen: 5.674 ng
RT: 24.857 min Scan# 3701
Delta R.T. -0.018 min
Lab File: BP024082.D
Acq: 18 Feb 2025 13:10

Tgt Ion:252 Resp: 416356
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 12.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 5.655 ng

RT: 28.933 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 278 Resp: 460634

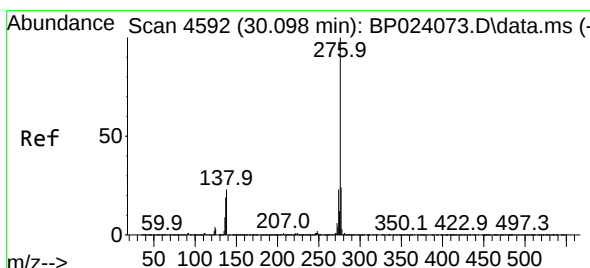
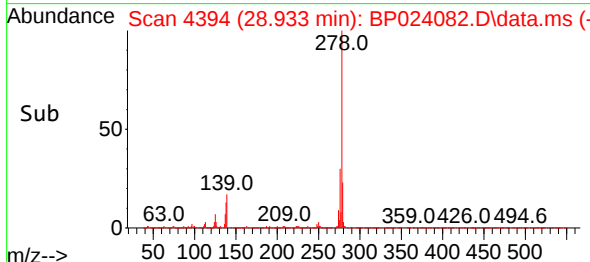
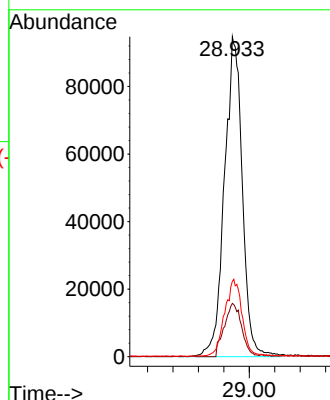
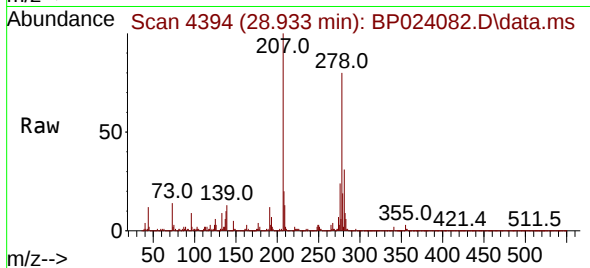
Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.4	20.0
279	23.6	19.0	28.4

Manual Integrations

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#92

Benzo(g,h,i)perylene

Concen: 5.290 ng

RT: 30.027 min Scan# 4580

Delta R.T. -0.071 min

Lab File: BP024082.D

Acq: 18 Feb 2025 13:10

Tgt Ion: 276 Resp: 437278

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	21.9	18.1	27.1

