

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024088.D
 Acq On : 18 Feb 2025 17:58
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 19 00:51:51 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	7.763	152	345466	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1294695	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	656806	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1117933	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1119151	20.000	ng	0.00
86) Perylene-d12	25.033	264	1190641	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1348699	60.916	ng	0.00
7) Phenol-d6	6.940	99	1794568	63.065	ng	0.00
23) Nitrobenzene-d5	8.905	82	1446465	62.329	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	436748	54.287	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	3016164	64.199	ng	0.00
79) Terphenyl-d14	19.928	244	3434150	60.718	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	77323	8.903	ng	98
3) Pyridine	3.717	79	179350	7.943	ng	97
4) n-Nitrosodimethylamine	3.623	42	67758	8.459	ng	# 89
6) Aniline	7.093	93	266940	10.243	ng	99
8) 2-Chlorophenol	7.334	128	199192	8.500	ng	97
9) Benzaldehyde	6.911	77	167417m	12.886	ng	
10) Phenol	6.969	94	247122	8.636	ng	99
11) bis(2-Chloroethyl)ether	7.187	93	195416	8.671	ng	99
12) 1,3-Dichlorobenzene	7.652	146	227900	8.853	ng	99
13) 1,4-Dichlorobenzene	7.799	146	233789	8.980	ng	99
14) 1,2-Dichlorobenzene	8.111	146	221037	8.846	ng	100
15) Benzyl Alcohol	7.999	79	140811	8.084	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	202925	9.275	ng	98
17) 2-Methylphenol	8.205	107	143469	8.228	ng	98
18) Hexachloroethane	8.834	117	83850	8.943	ng	98
19) n-Nitroso-di-n-propyla...	8.558	70	125765	8.220	ng	99
20) 3+4-Methylphenols	8.528	107	187965	7.924	ng	99
22) Acetophenone	8.575	105	291260	8.754	ng	# 98
24) Nitrobenzene	8.946	77	210968	9.237	ng	97
25) Isophorone	9.475	82	305711	8.056	ng	99
26) 2-Nitrophenol	9.657	139	72607	6.900	ng	97
27) 2,4-Dimethylphenol	9.722	122	127199	9.209	ng	98
28) bis(2-Chloroethoxy)met...	9.946	93	230720	8.392	ng	99
29) 2,4-Dichlorophenol	10.193	162	140447	7.451	ng	99
30) 1,2,4-Trichlorobenzene	10.399	180	181828	8.419	ng	99
31) Naphthalene	10.587	128	600692	8.629	ng	100
32) Benzoic acid	9.799	122	57930	10.862	ng	96
33) 4-Chloroaniline	10.699	127	198161	8.080	ng	98
34) Hexachlorobutadiene	10.875	225	105639	8.445	ng	98
35) Caprolactam	11.469	113	30856	9.869	ng	99
36) 4-Chloro-3-methylphenol	11.828	107	125129	6.457	ng	98
37) 2-Methylnaphthalene	12.199	142	360472	7.791	ng	98
38) 1-Methylnaphthalene	12.422	142	336588	7.478	ng	100
40) 1,2,4,5-Tetrachloroben...	12.569	216	182872	9.062	ng	99
41) Hexachlorocyclopentadiene	12.551	237	84186	11.211	ng	99
43) 2,4,6-Trichlorophenol	12.810	196	87247	7.089	ng	98

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Manual Integrations
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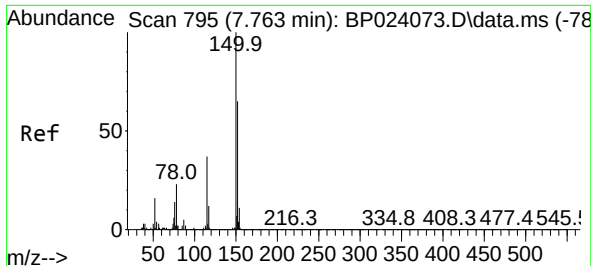
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	98582	7.324	ng	96
46) 1,1'-Biphenyl	13.210	154	459404	9.001	ng	99
47) 2-Chloronaphthalene	13.257	162	340882	8.835	ng	100
48) 2-Nitroaniline	13.457	65	66891	7.339	ng	95
49) Acenaphthylene	14.104	152	488130	8.587	ng	99
50) Dimethylphthalate	13.840	163	365961	7.899	ng	99
51) 2,6-Dinitrotoluene	13.957	165	68549	7.263	ng	95
52) Acenaphthene	14.451	154	313239	8.557	ng	100
53) 3-Nitroaniline	14.293	138	70617	7.012	ng #	96
54) 2,4-Dinitrophenol	14.498	184	21673	10.924	ng	92
55) Dibenzofuran	14.793	168	488375	8.213	ng	100
56) 4-Nitrophenol	14.616	139	49253	5.662	ng	93
57) 2,4-Dinitrotoluene	14.751	165	79373	6.474	ng	92
58) Fluorene	15.451	166	370179	7.971	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.022	232	81972	7.020	ng	100
60) Diethylphthalate	15.228	149	343339	7.465	ng	99
61) 4-Chlorophenyl-phenylether	15.451	204	179755	7.864	ng	99
62) 4-Nitroaniline	15.469	138	67826	8.587	ng	93
63) Azobenzene	15.740	77	336786	7.815	ng	94
65) 4,6-Dinitro-2-methylph...	15.534	198	33748	10.120	ng	99
66) n-Nitrosodiphenylamine	15.663	169	296883	8.516	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	101672	8.099	ng	99
68) Hexachlorobenzene	16.481	284	123548	8.364	ng	96
69) Atrazine	16.639	200	85483	9.555	ng	100
70) Pentachlorophenol	16.839	266	49514	5.161	ng	98
71) Phenanthrene	17.234	178	557532	8.846	ng	99
72) Anthracene	17.328	178	518418	8.583	ng	99
73) Carbazole	17.604	167	464736	8.076	ng	99
74) Di-n-butylphthalate	18.210	149	459269	6.840	ng	99
75) Fluoranthene	19.322	202	555714	7.795	ng	99
77) Benzidine	19.522	184	201786	14.796	ng	99
78) Pyrene	19.698	202	592282	8.332	ng	99
80) Butylbenzylphthalate	20.663	149	176328	6.473	ng	95
81) Benzo(a)anthracene	21.627	228	599478	8.542	ng	99
82) 3,3'-Dichlorobenzidine	21.557	252	168318	7.676	ng	98
83) Chrysene	21.698	228	586917	8.673	ng	97
84) Bis(2-ethylhexyl)phtha...	21.575	149	263541	6.380	ng	97
85) Di-n-octyl phthalate	22.869	149	367329	5.563	ng	98
87) Indeno(1,2,3-cd)pyrene	28.856	276	715054m	8.442	ng	
88) Benzo(b)fluoranthene	23.945	252	584917	7.736	ng	99
89) Benzo(k)fluoranthene	24.021	252	581292	7.899	ng	99
90) Benzo(a)pyrene	24.868	252	516739	8.053	ng	98
91) Dibenzo(a,h)anthracene	28.945	278	588489	8.263	ng	99
92) Benzo(g,h,i)perylene	30.027	276	562676	7.786	ng	98

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

Manual Integrations

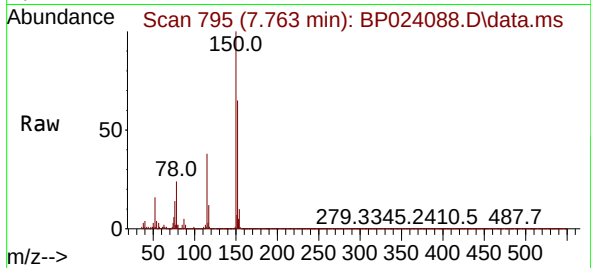
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QLast Update : Tue Feb 18 02:25:07 2025
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BP024088.D
 Acq: 18 Feb 2025 17:58

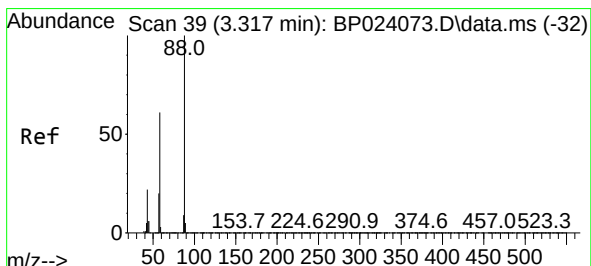
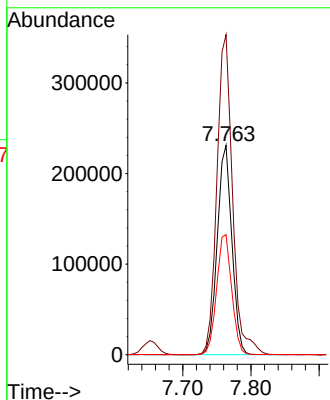
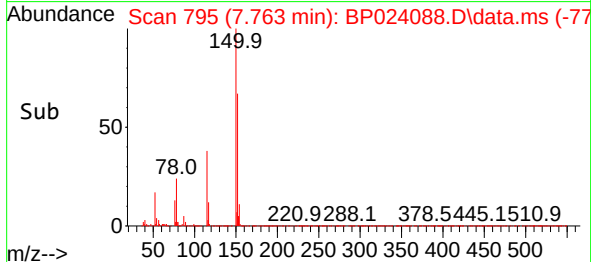
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



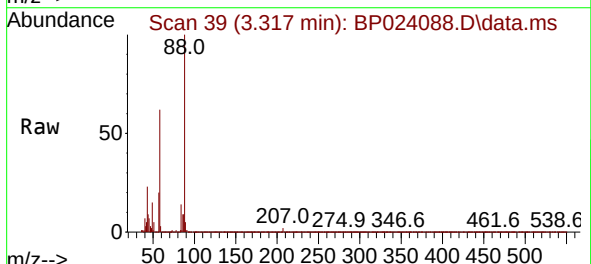
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 Ion Ratio Lower Upper
 152 100
 150 152.9 122.4 183.6
 115 57.3 45.0 67.6

Manual Integrations
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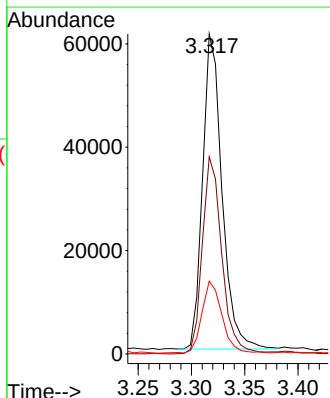
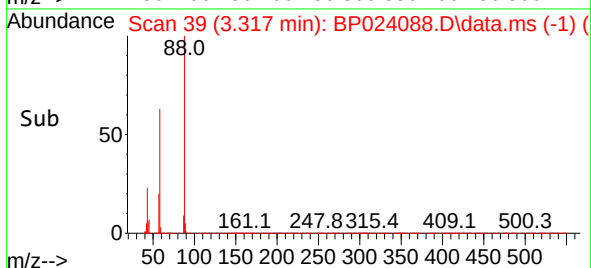
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 Supervised By :Jagrut Upadhyay 02/20/2025

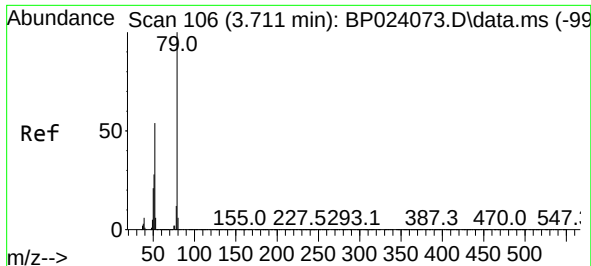


#2
 1,4-Dioxane
 Concen: 8.903 ng
 RT: 3.317 min Scan# 39
 Delta R.T. 0.000 min
 Lab File: BP024088.D
 Acq: 18 Feb 2025 17:58



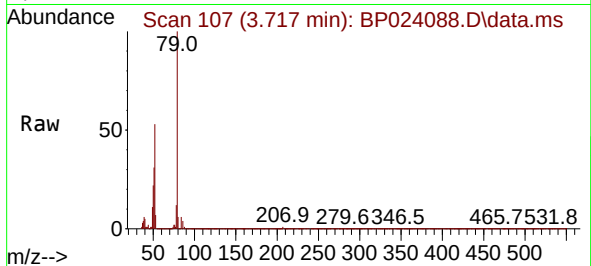
Tgt Ion: 88 Resp: 77323
 Ion Ratio Lower Upper
 88 100
 58 62.7 49.1 73.7
 43 23.8 18.0 27.0





#3
Pyridine
Concen: 7.943 ng
RT: 3.717 min Scan# 106
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

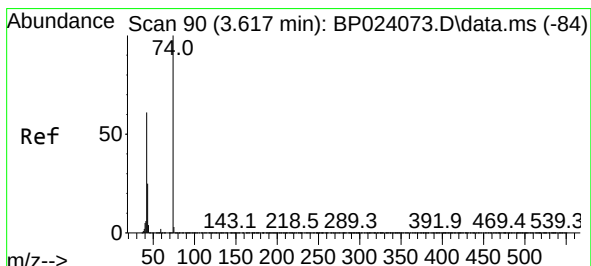
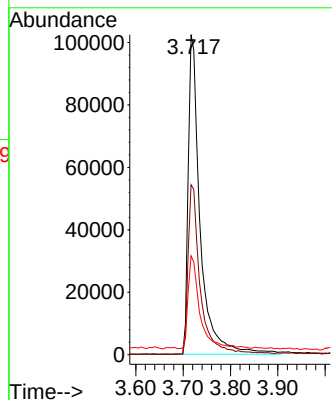
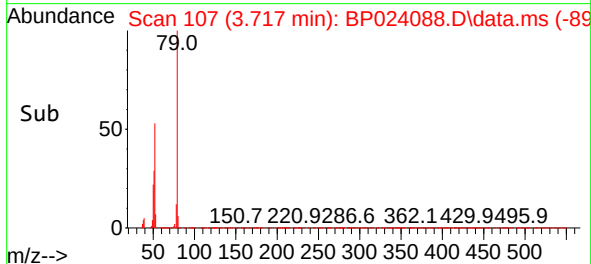
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



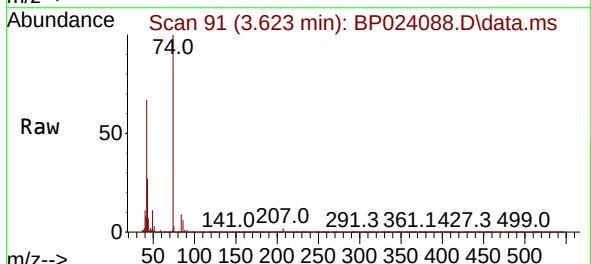
Tgt Ion: 79 Resp: 179350
Ion Ratio Lower Upper
79 100
52 53.1 43.5 65.3
51 30.9 22.2 33.4

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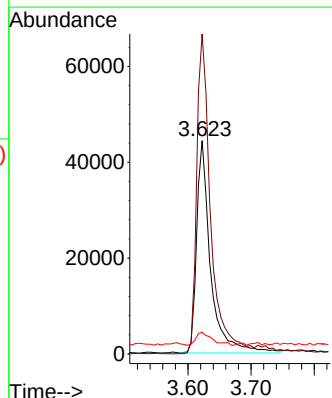
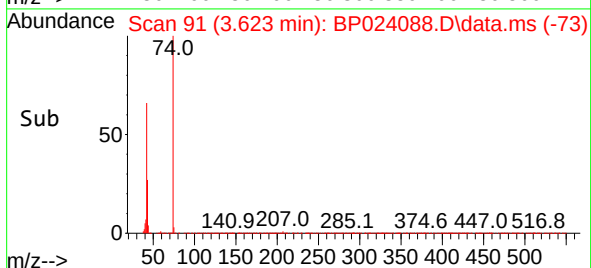
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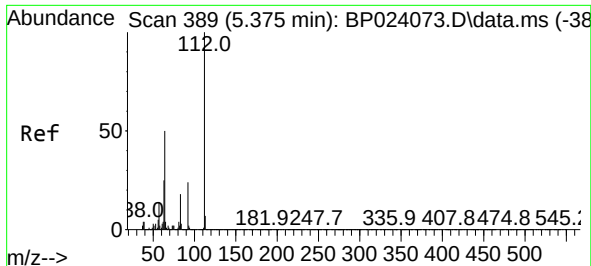


#4
n-Nitrosodimethylamine
Concen: 8.459 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



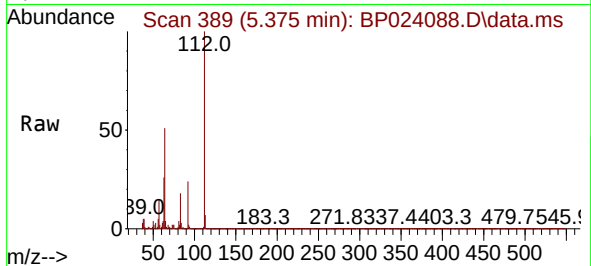
Tgt Ion: 42 Resp: 67758
Ion Ratio Lower Upper
42 100
74 150.0 132.0 198.0
44 10.2 5.3 7.9





#5
2-Fluorophenol
Concen: 60.916 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

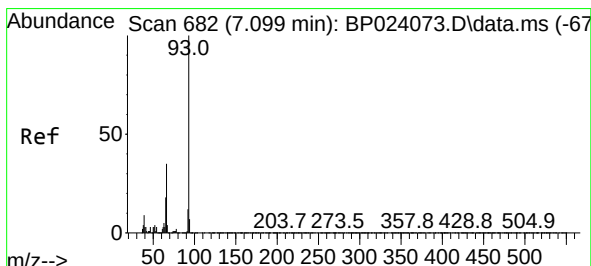
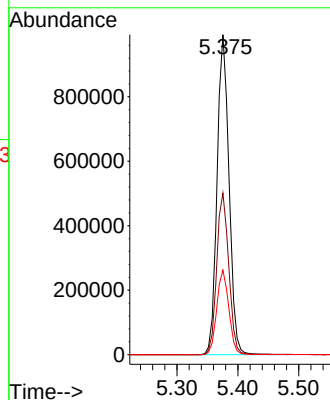
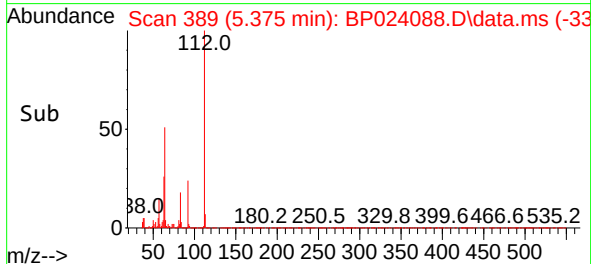
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ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:112 Resp: 1348699
Ion Ratio Lower Upper
112 100
64 50.5 39.6 59.4
63 26.4 20.3 30.5

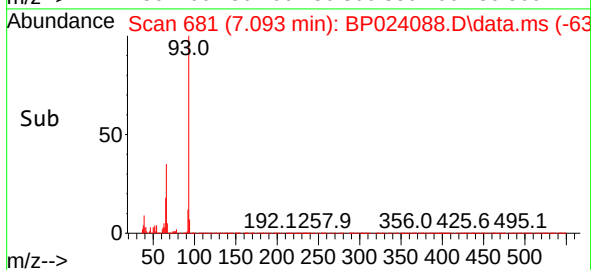
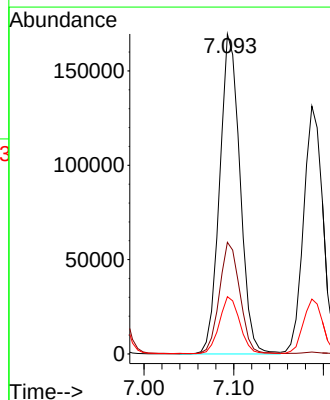
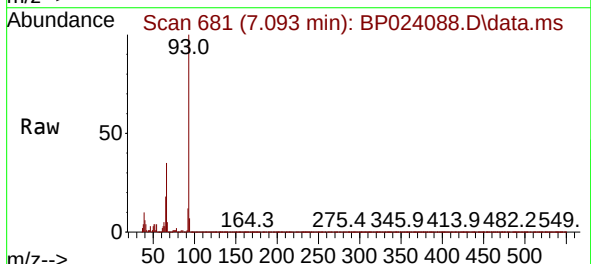
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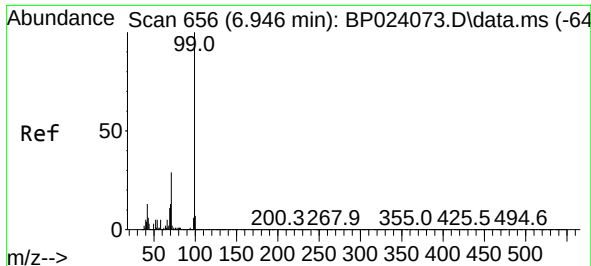
Reviewed By :Rahul Chavli 02/20/2025
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#6
Aniline
Concen: 10.243 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP024088.D
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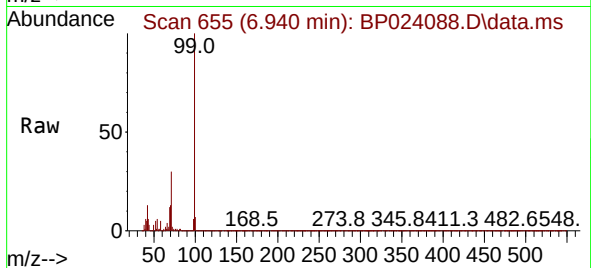
Tgt Ion: 93 Resp: 266940
Ion Ratio Lower Upper
93 100
66 34.9 28.2 42.4
65 17.9 14.1 21.1





#7
Phenol-d6
Concen: 63.065 ng
RT: 6.940 min Scan# 611
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

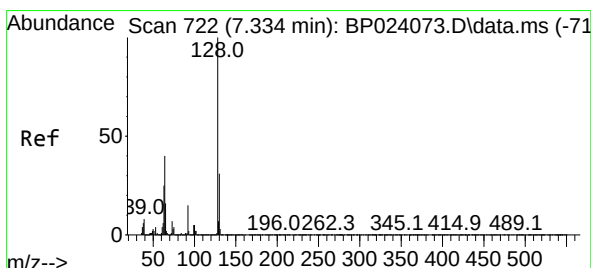
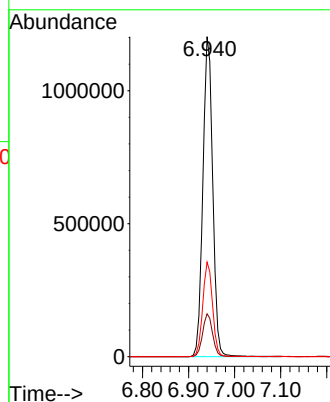
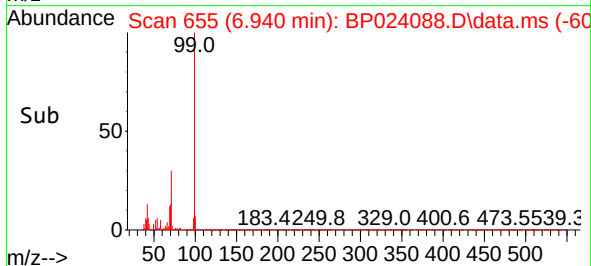
Instrument :
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Tgt Ion: 99 Resp: 179456
Ion Ratio Lower Upper
99 100
42 13.4 10.3 15.5
71 29.5 22.9 34.3

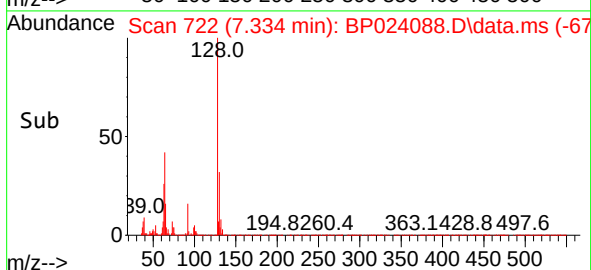
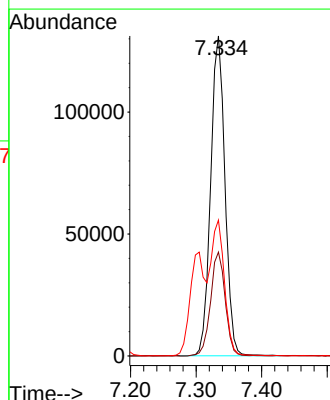
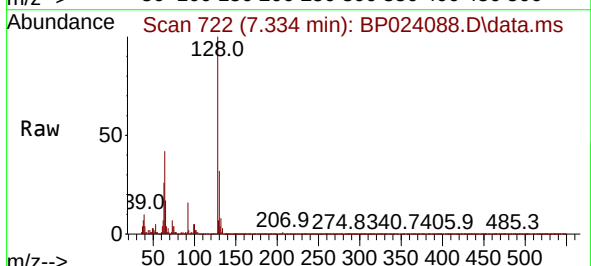
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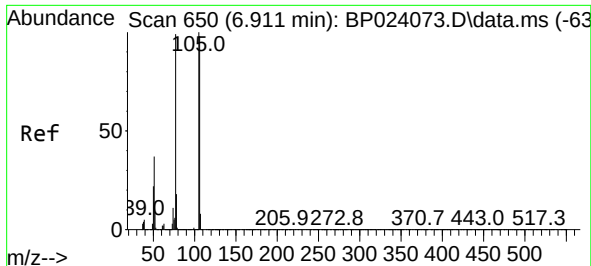
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#8
2-Chlorophenol
Concen: 8.500 ng
RT: 7.334 min Scan# 722
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:128 Resp: 199192
Ion Ratio Lower Upper
128 100
130 32.4 11.5 51.5
64 42.5 19.8 59.8





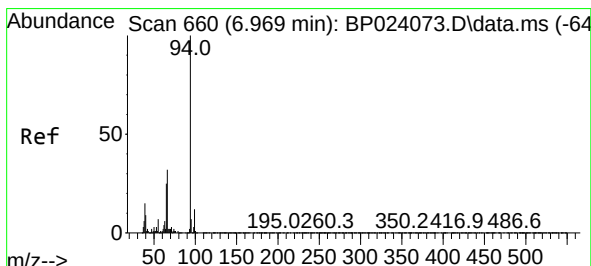
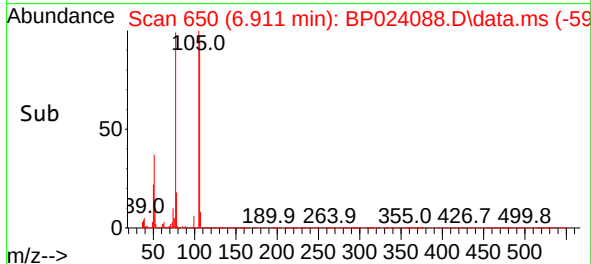
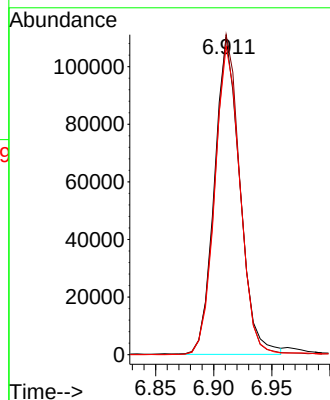
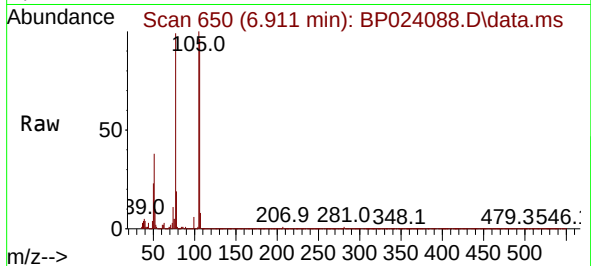
#9
Benzaldehyde
Concen: 12.886 ng m
RT: 6.911 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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LOQ-SOIL-02-QT1-2025

Tgt Ion: 77 Resp: 16741
Ion Ratio Lower Upper
77 100
105 100.8 81.4 121.4
106 97.2 79.0 119.0

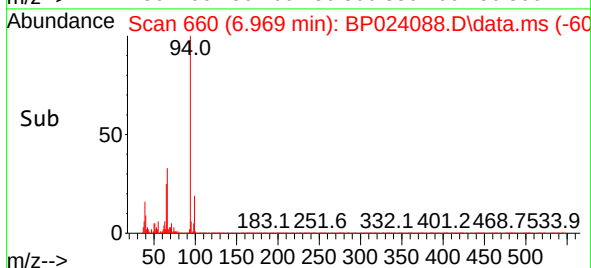
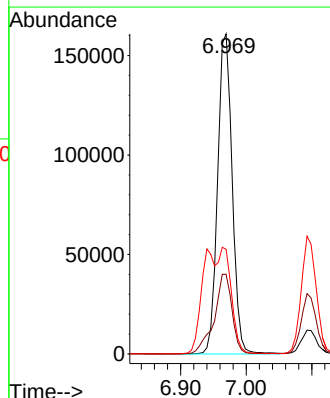
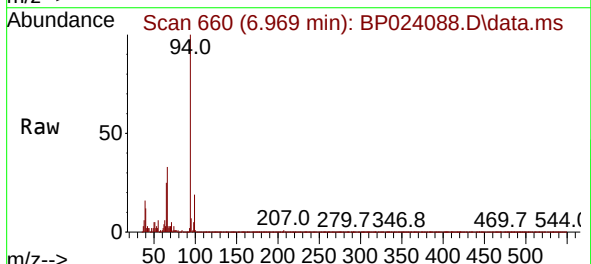
Manual Integrations
APPROVED

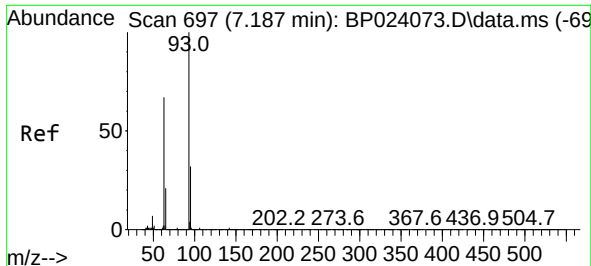
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#10
Phenol
Concen: 8.636 ng
RT: 6.969 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

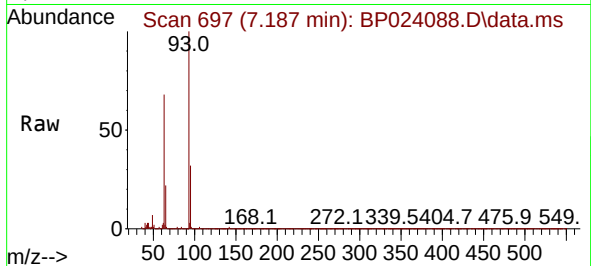
Tgt Ion: 94 Resp: 247122
Ion Ratio Lower Upper
94 100
65 24.9 5.0 45.0
66 32.7 11.6 51.6





#11
bis(2-Chloroethyl)ether
Concen: 8.671 ng
RT: 7.187 min Scan# 697
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

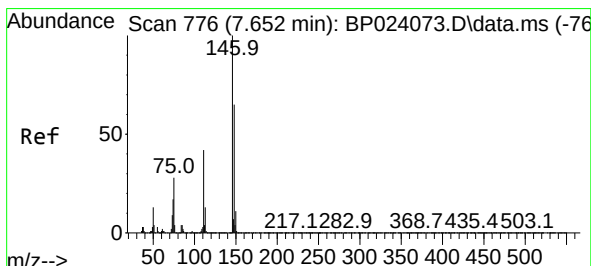
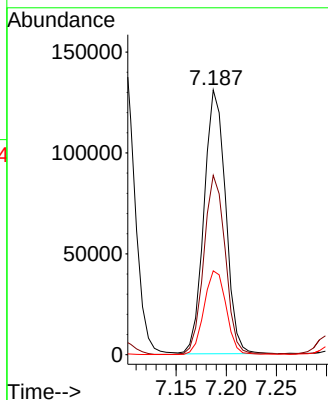
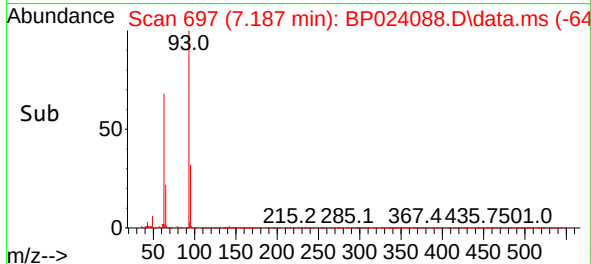
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



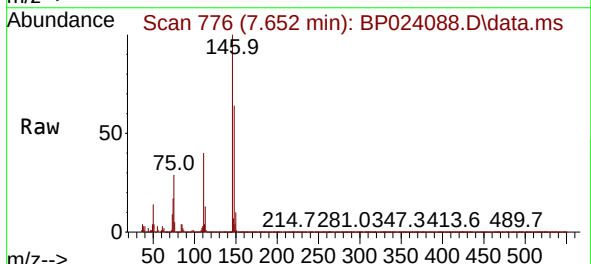
Tgt Ion: 93 Resp: 195410
Ion Ratio Lower Upper
93 100
63 67.7 46.5 86.5
95 31.7 12.3 52.3

Manual Integrations
APPROVED

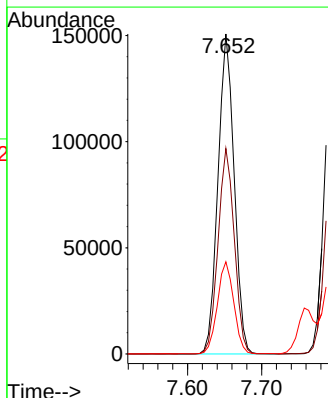
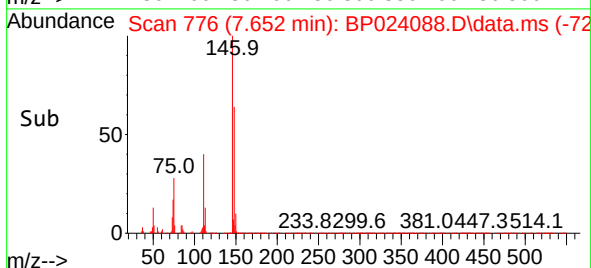
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

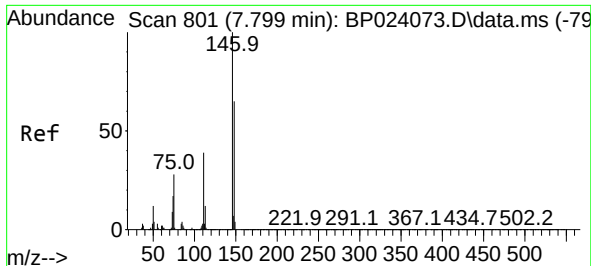


#12
1,3-Dichlorobenzene
Concen: 8.853 ng
RT: 7.652 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



Tgt Ion:146 Resp: 227900
Ion Ratio Lower Upper
146 100
148 64.2 51.8 77.8
75 28.8 22.6 33.8





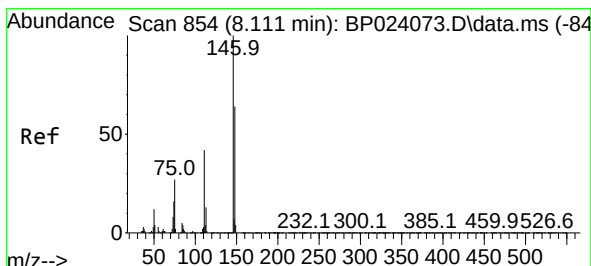
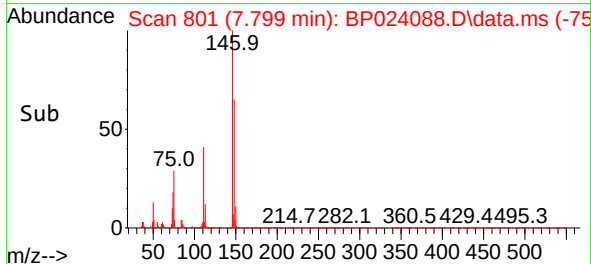
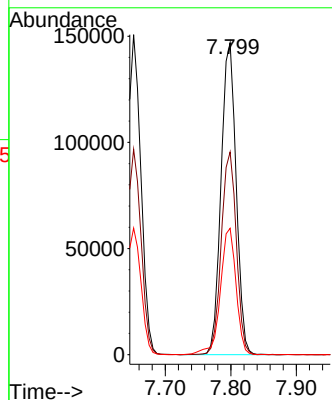
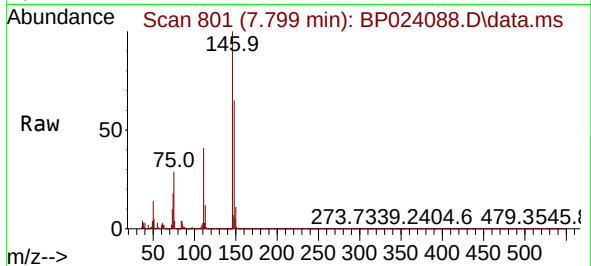
#13
1,4-Dichlorobenzene
Concen: 8.980 ng
RT: 7.799 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion:146 Resp: 233789
Ion Ratio Lower Upper
146 100
148 65.0 51.6 77.4
111 40.5 31.2 46.8

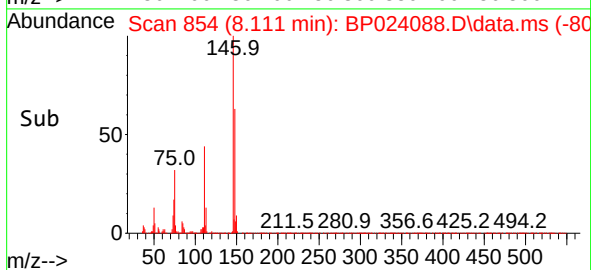
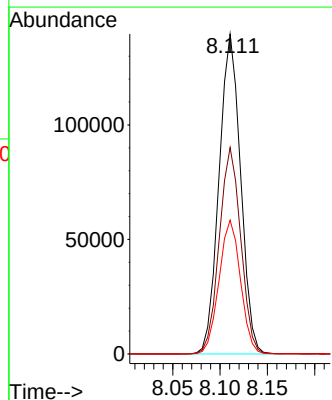
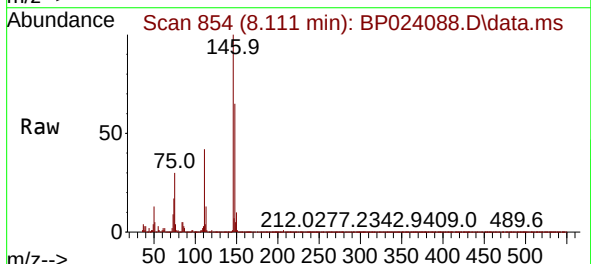
Manual Integrations
APPROVED

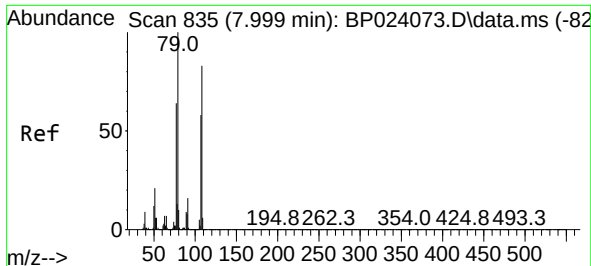
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#14
1,2-Dichlorobenzene
Concen: 8.846 ng
RT: 8.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

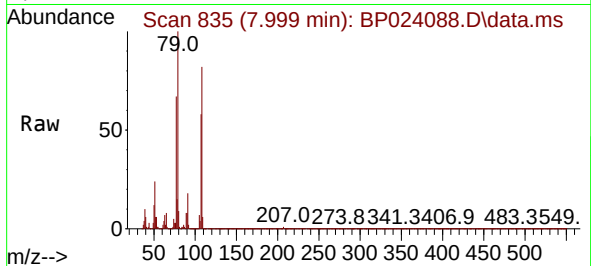
Tgt Ion:146 Resp: 221037
Ion Ratio Lower Upper
146 100
148 64.5 51.2 76.8
111 41.8 33.4 50.0





#15
Benzyl Alcohol
Concen: 8.084 ng
RT: 7.999 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

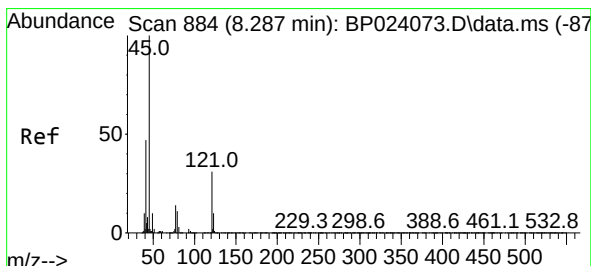
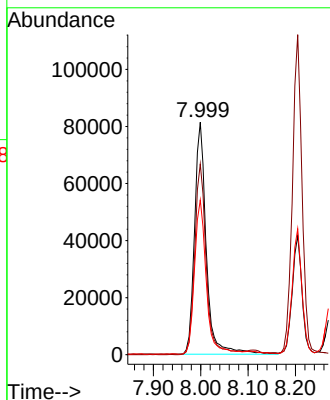
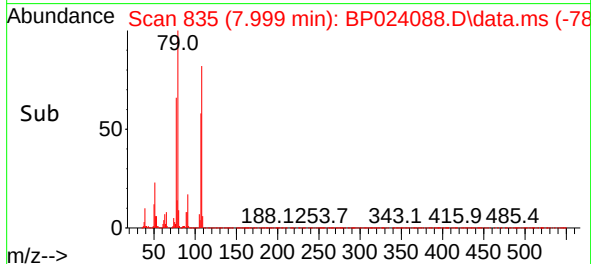
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



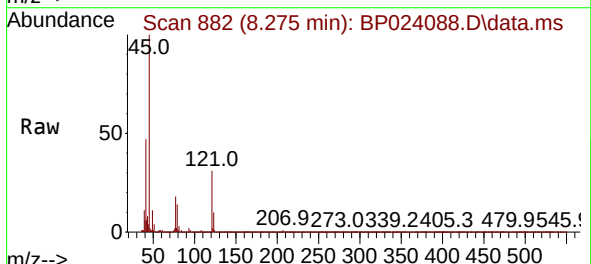
Tgt Ion: 79 Resp: 14081
Ion Ratio Lower Upper
79 100
108 82.1 66.4 99.6
77 66.5 51.3 76.9

Manual Integrations
APPROVED

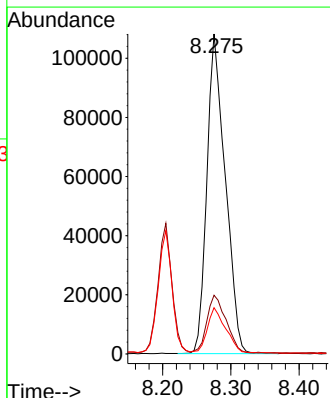
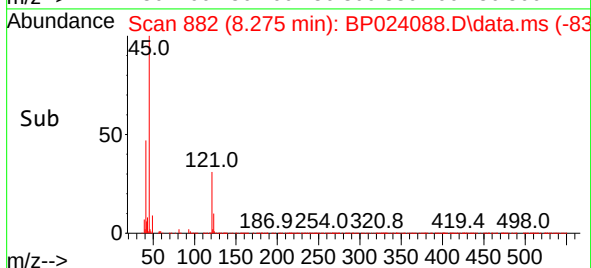
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

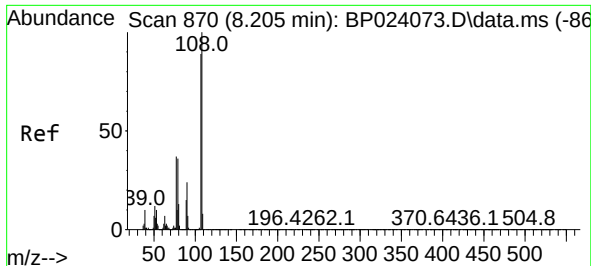


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.275 ng
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



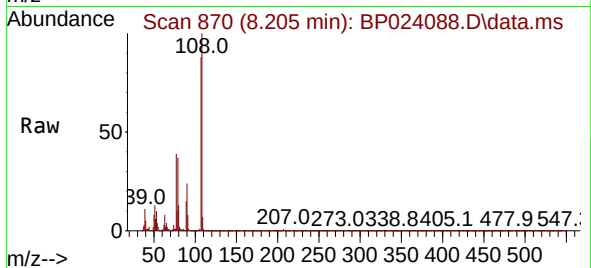
Tgt Ion: 45 Resp: 202925
Ion Ratio Lower Upper
45 100
77 18.3 0.0 38.8
79 14.4 0.0 35.4





#17
2-Methylphenol
Concen: 8.228 ng
RT: 8.205 min Scan# 870
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

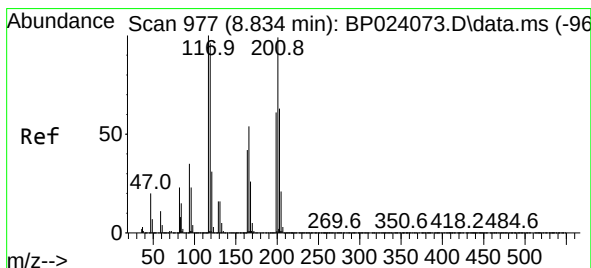
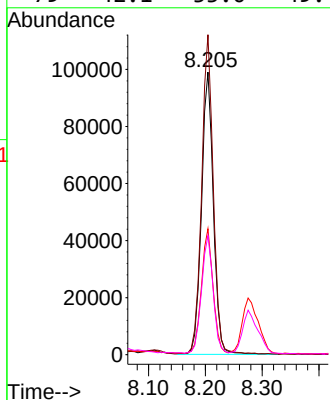
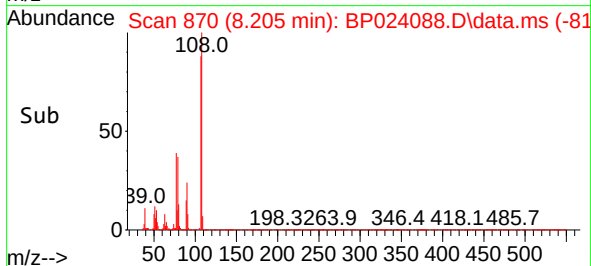
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:107 Resp: 143469
Ion Ratio Lower Upper
107 100
108 113.3 90.0 135.0
77 44.6 33.8 50.6
79 42.1 33.0 49.4

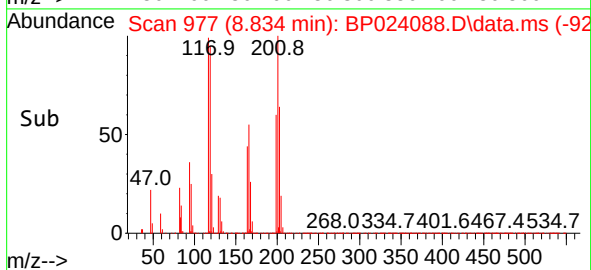
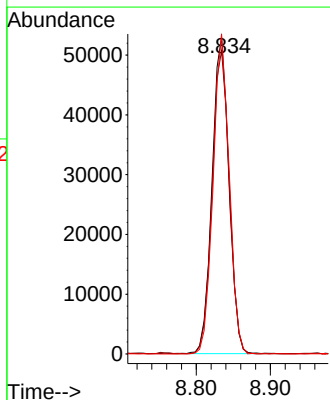
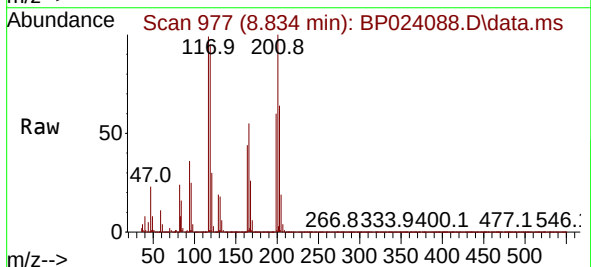
Manual Integrations
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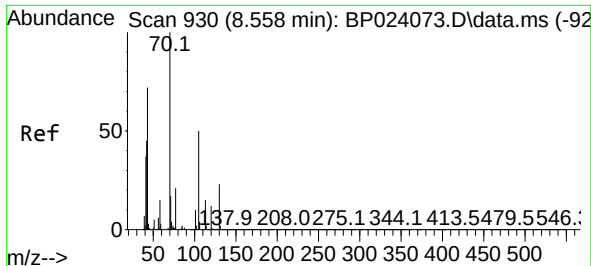
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#18
Hexachloroethane
Concen: 8.943 ng
RT: 8.834 min Scan# 977
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

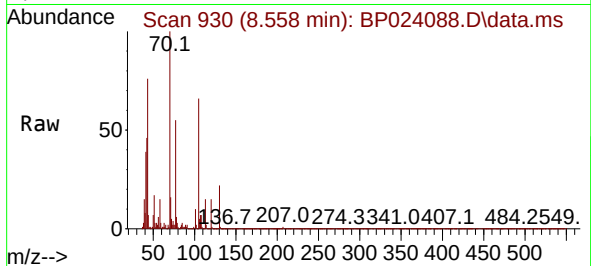
Tgt Ion:117 Resp: 83850
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3
201 103.7 79.4 119.2





#19
n-Nitroso-di-n-propylamine
Concen: 8.220 ng
RT: 8.558 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

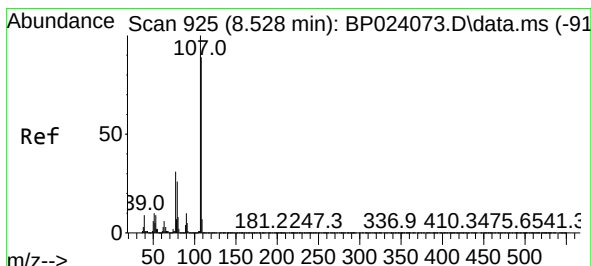
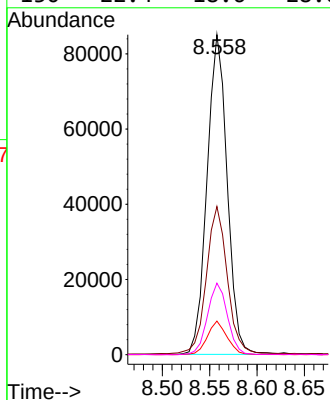
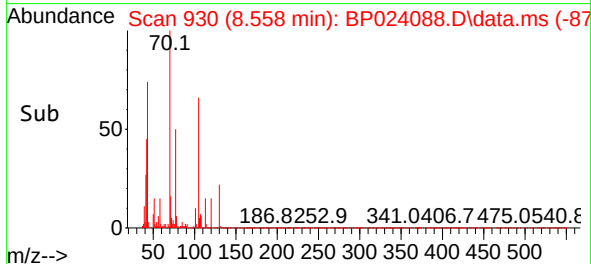
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



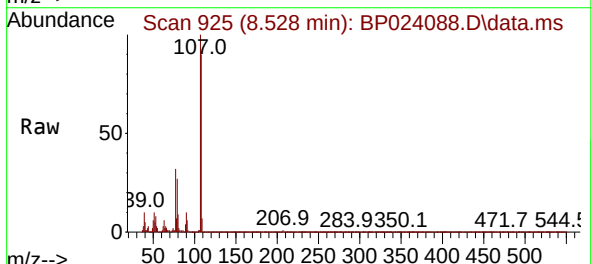
Tgt Ion: 70 Resp: 12576
Ion Ratio Lower Upper
70 100
42 46.3 36.6 54.8
101 10.5 8.2 12.2
130 22.4 18.6 28.0

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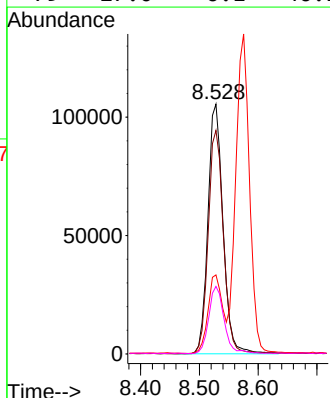
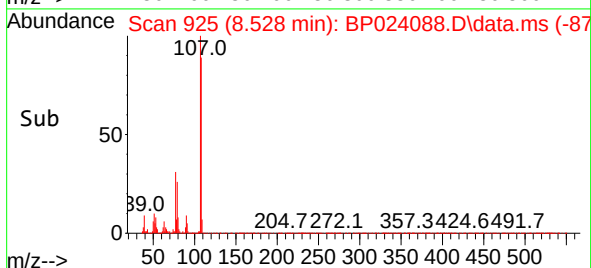
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

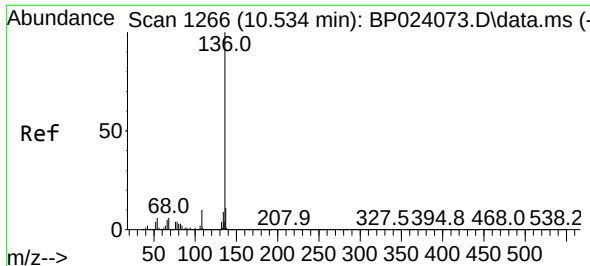


#20
3+4-Methylphenols
Concen: 7.924 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



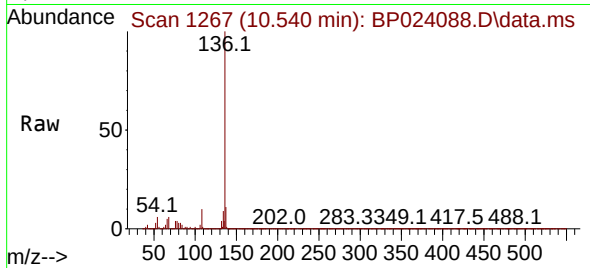
Tgt Ion:107 Resp: 187965
Ion Ratio Lower Upper
107 100
108 89.5 68.5 108.5
77 31.7 10.7 50.7
79 27.0 6.1 46.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

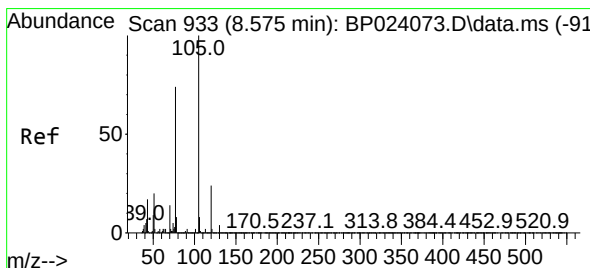
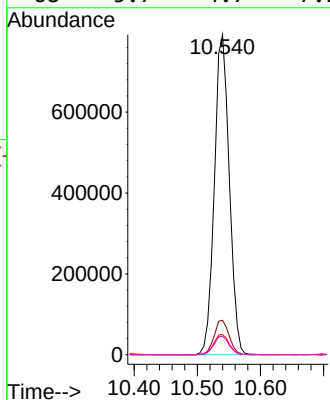
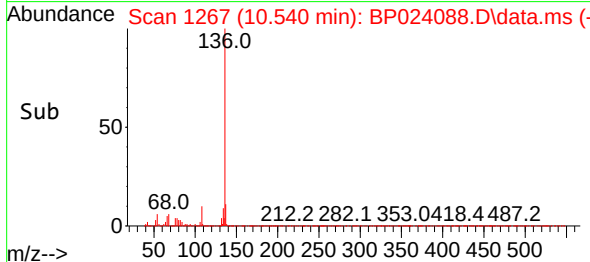
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:136 Resp: 1294699
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.3 4.9 7.3
68 5.7 4.7 7.1

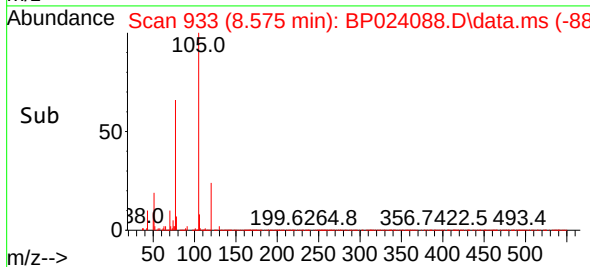
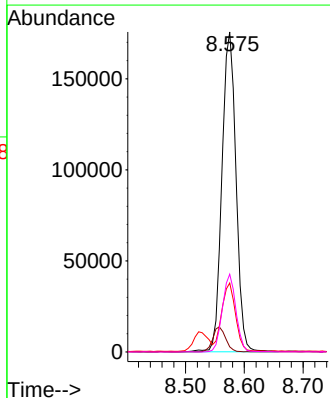
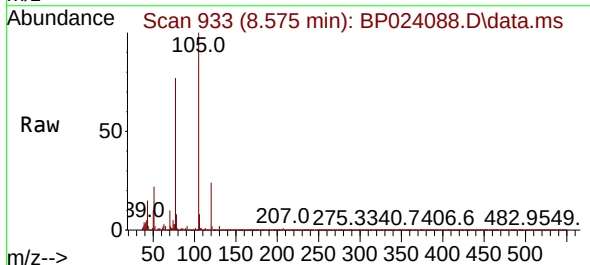
Manual Integrations
APPROVED

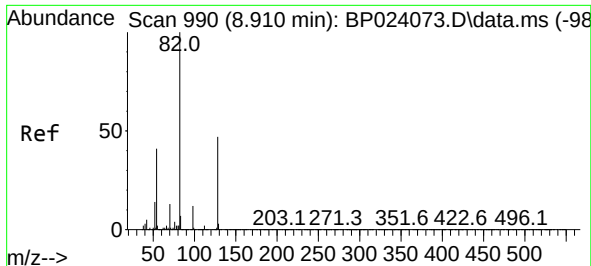
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#22
Acetophenone
Concen: 8.754 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

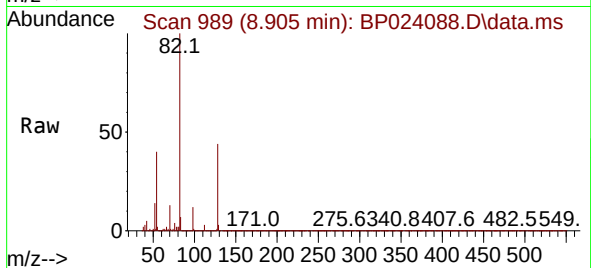
Tgt Ion:105 Resp: 291260
Ion Ratio Lower Upper
105 100
71 1.6 1.9 2.9#
51 21.5 16.3 24.5
120 24.3 19.0 28.4





#23
Nitrobenzene-d5
Concen: 62.329 ng
RT: 8.905 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

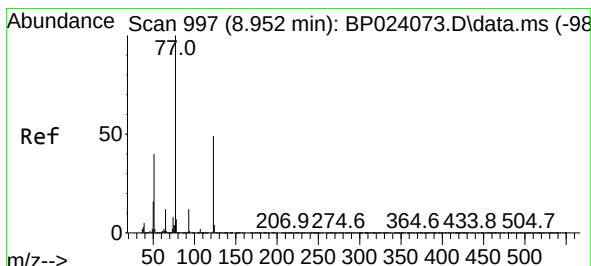
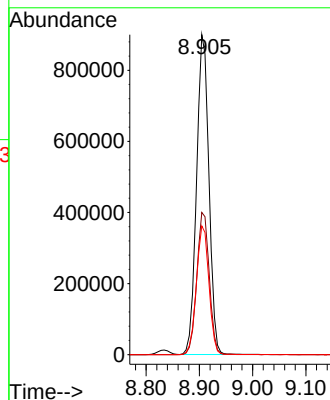
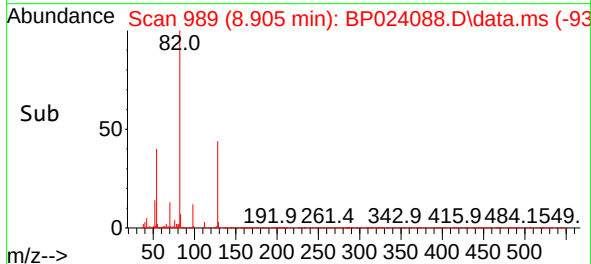
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



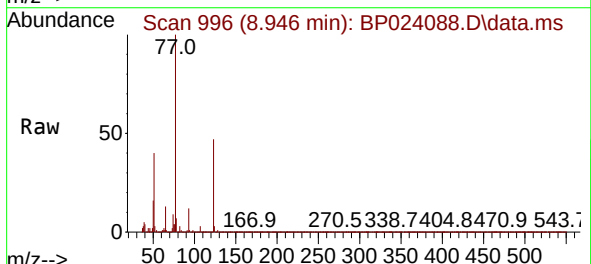
Tgt Ion: 82 Resp: 144646
Ion Ratio Lower Upper
82 100
128 44.4 37.4 56.2
54 40.3 32.4 48.6

Manual Integrations
APPROVED

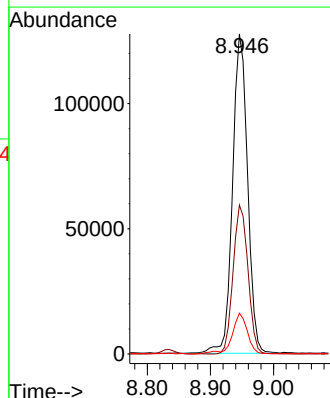
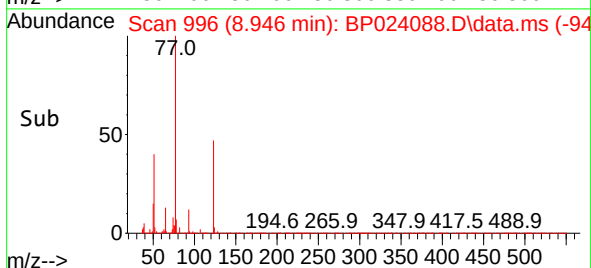
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

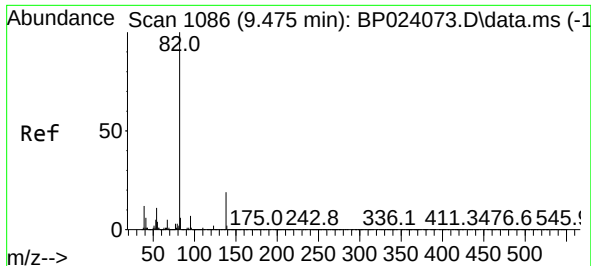


#24
Nitrobenzene
Concen: 9.237 ng
RT: 8.946 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



Tgt Ion: 77 Resp: 210968
Ion Ratio Lower Upper
77 100
123 46.5 39.4 59.2
65 12.7 9.9 14.9





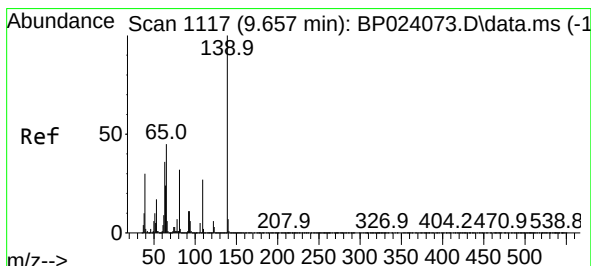
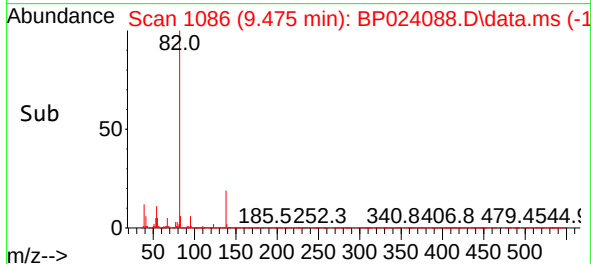
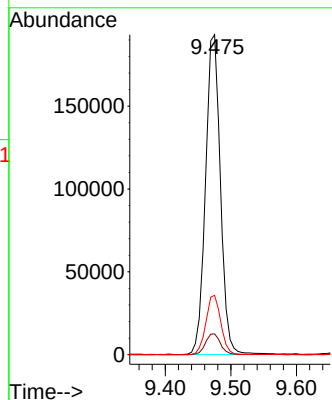
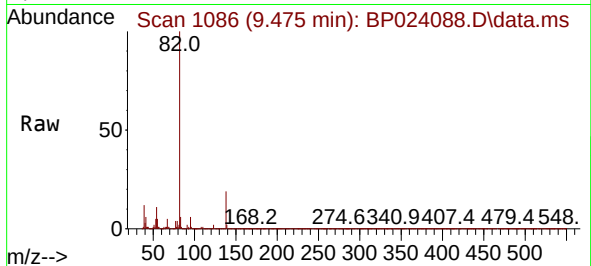
#25
Isophorone
Concen: 8.056 ng
RT: 9.475 min Scan# 1086
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion: 82 Resp: 30571
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 18.6 15.3 22.9

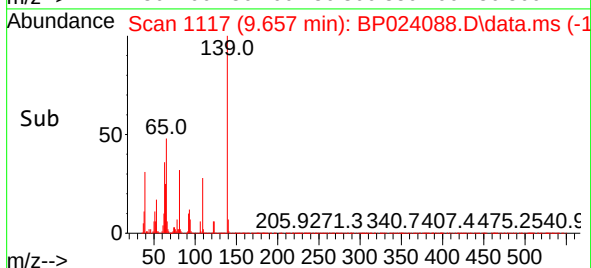
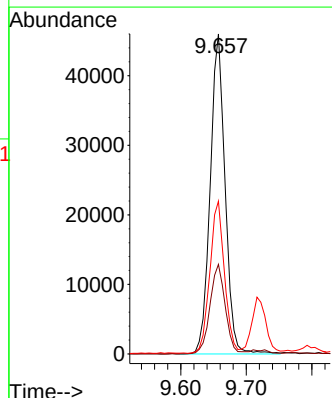
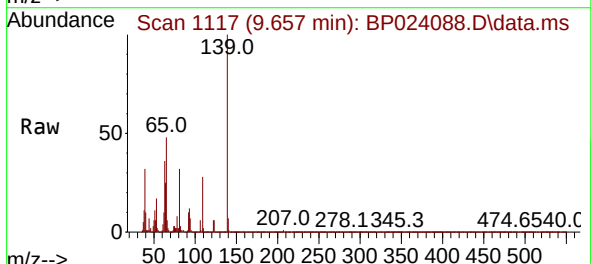
Manual Integrations
APPROVED

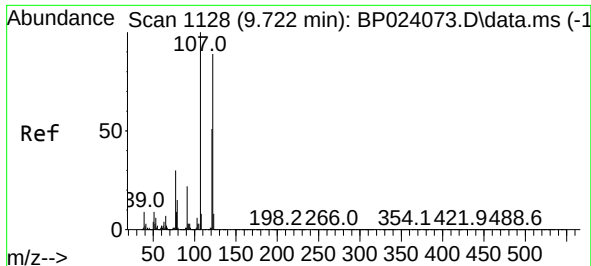
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#26
2-Nitrophenol
Concen: 6.900 ng
RT: 9.657 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:139 Resp: 72607
Ion Ratio Lower Upper
139 100
109 28.0 21.7 32.5
65 47.8 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 9.209 ng

RT: 9.722 min Scan# 1128

Delta R.T. 0.000 min

Lab File: BP024088.D

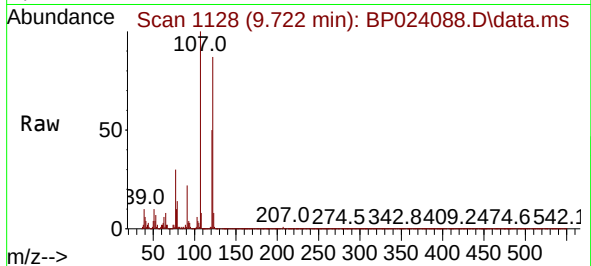
Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025



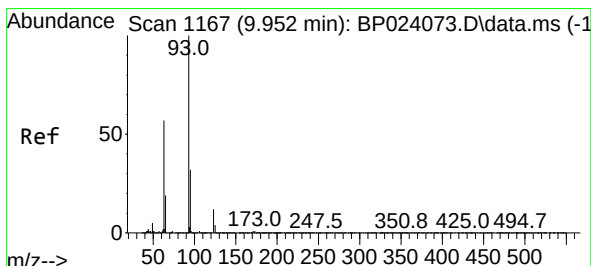
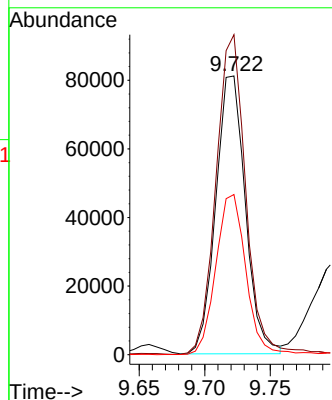
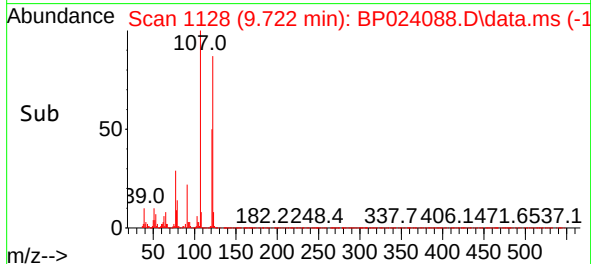
Tgt Ion	Ratio	Lower	Upper
122	100		
107	114.8	89.8	134.8
121	57.5	45.9	68.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#28

bis(2-Chloroethoxy)methane

Concen: 8.392 ng

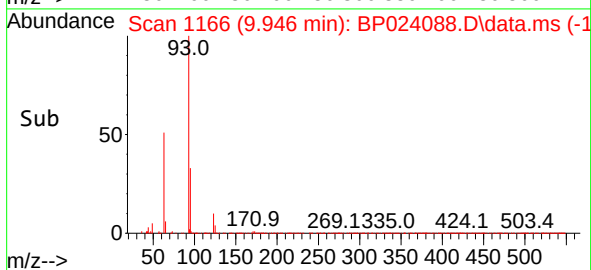
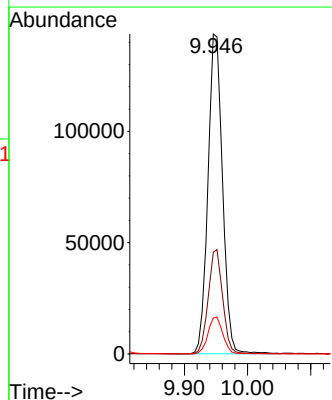
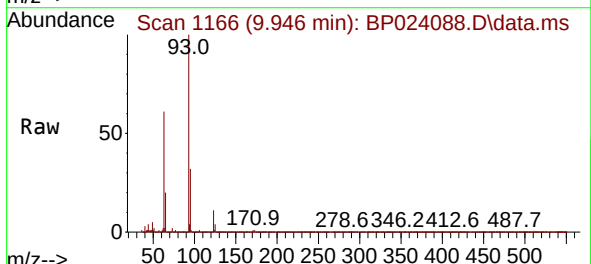
RT: 9.946 min Scan# 1166

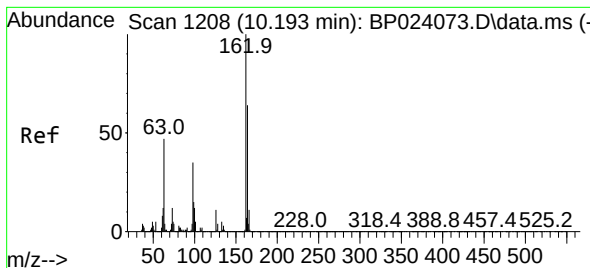
Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

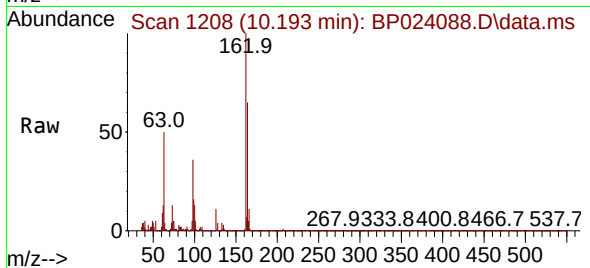
Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.9	38.9
123	11.3	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 7.451 ng
RT: 10.193 min Scan# 1208
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

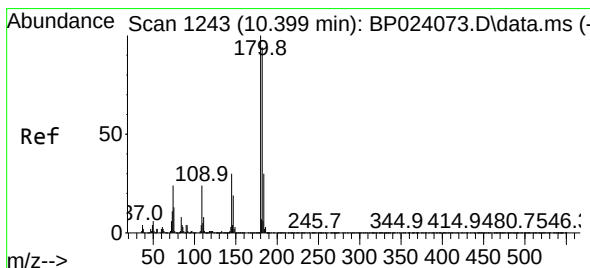
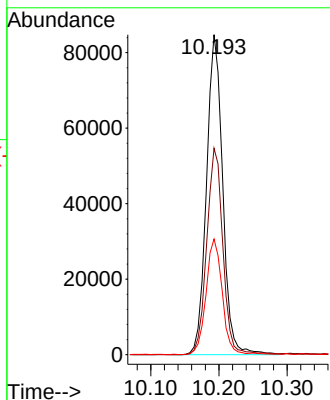
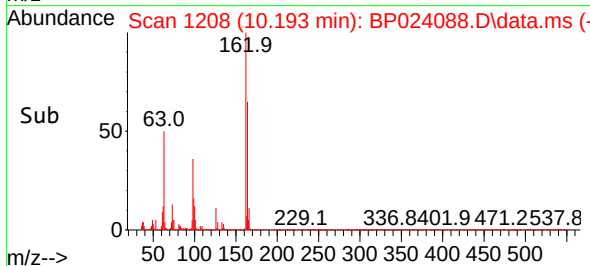
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



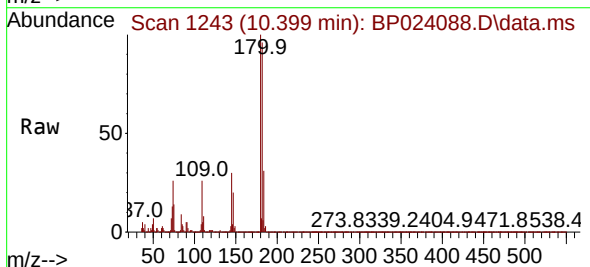
Tgt Ion:162 Resp: 14044
Ion Ratio Lower Upper
162 100
164 64.5 44.5 84.5
98 36.2 15.3 55.3

Manual Integrations
APPROVED

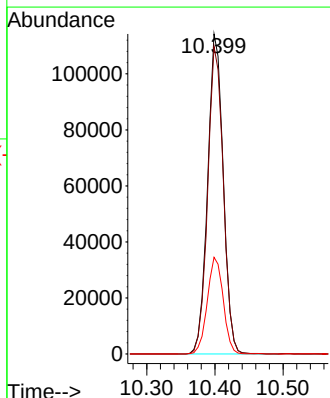
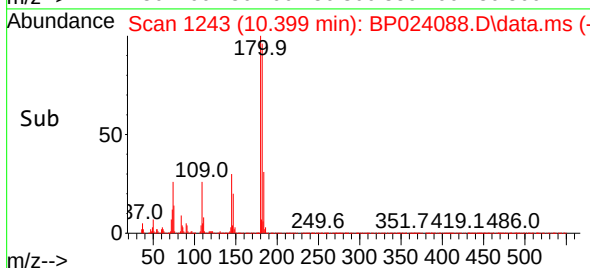
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

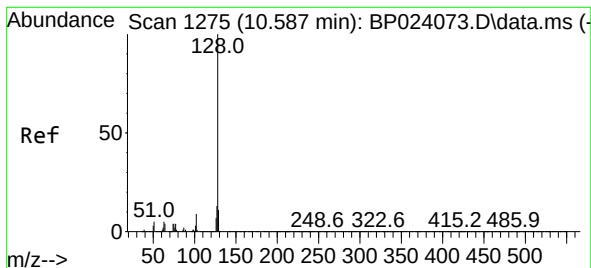


#30
1,2,4-Trichlorobenzene
Concen: 8.419 ng
RT: 10.399 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



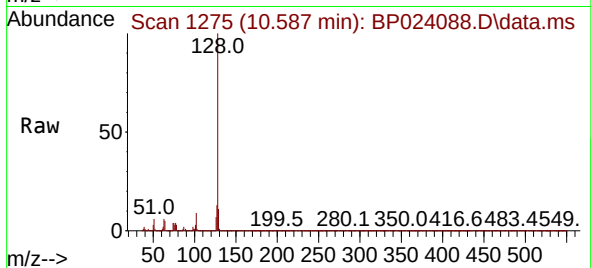
Tgt Ion:180 Resp: 181828
Ion Ratio Lower Upper
180 100
182 96.1 75.4 113.2
145 30.2 24.0 36.0





#31
Naphthalene
Concen: 8.629 ng
RT: 10.587 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

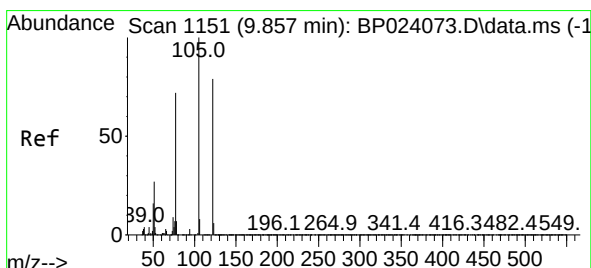
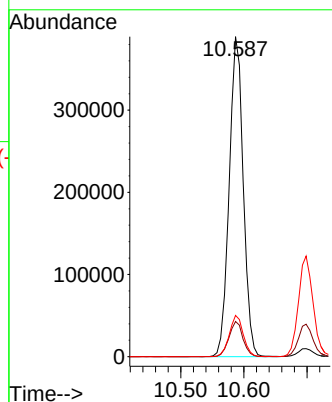
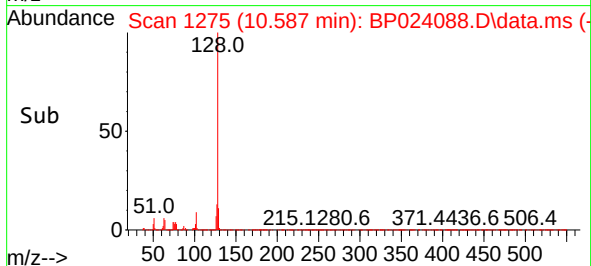
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:128 Resp: 600692
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.3 15.5

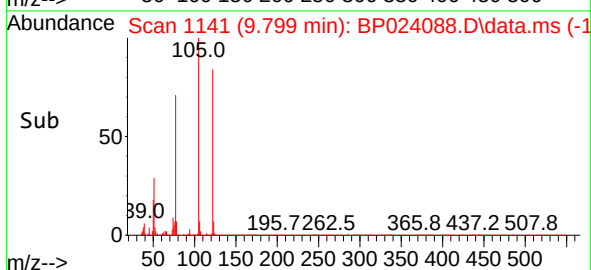
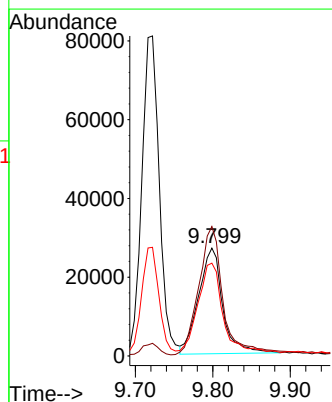
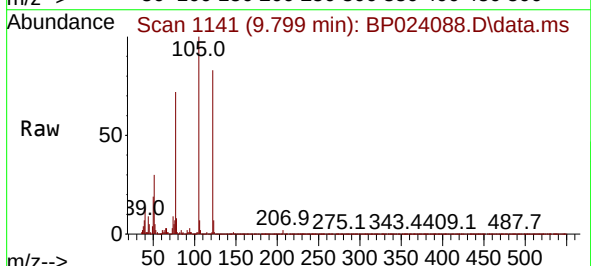
Manual Integrations
APPROVED

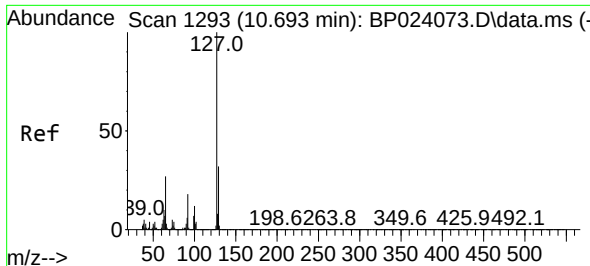
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#32
Benzoic acid
Concen: 10.862 ng
RT: 9.799 min Scan# 1141
Delta R.T. -0.058 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:122 Resp: 57930
Ion Ratio Lower Upper
122 100
105 120.0 103.7 143.7
77 86.1 69.9 109.9





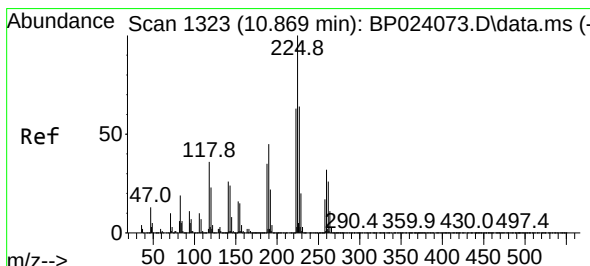
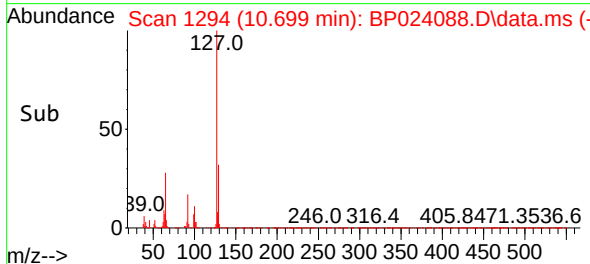
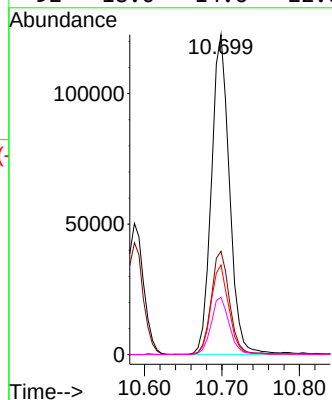
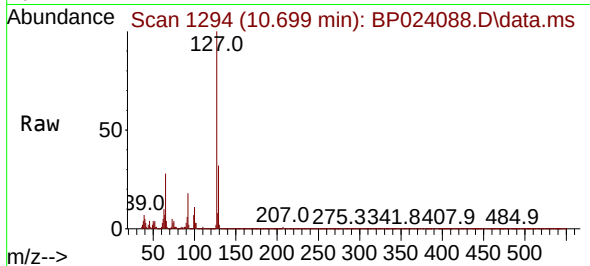
#33
4-Chloroaniline
Concen: 8.080 ng
RT: 10.699 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion:	127	Resp:	19816
Ion Ratio	Lower	Upper	
127	100		
129	32.3	25.4	38.0
65	28.0	21.3	31.9
92	18.0	14.6	22.0

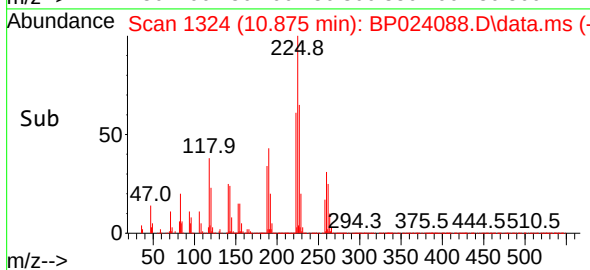
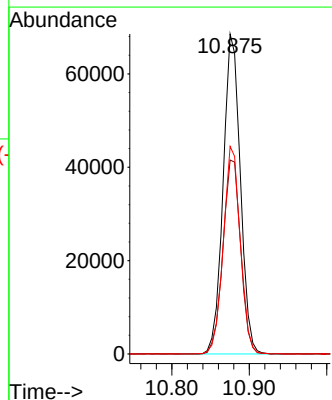
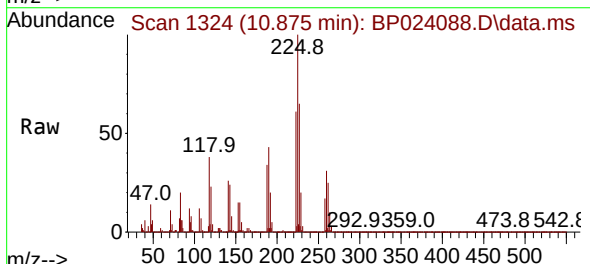
Manual Integrations
APPROVED

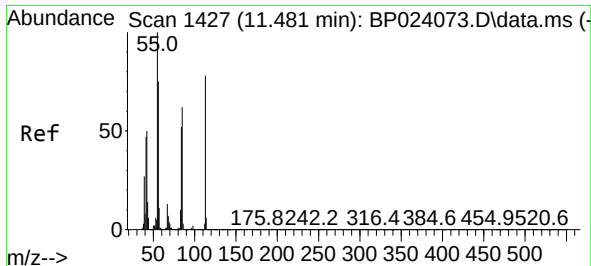
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#34
Hexachlorobutadiene
Concen: 8.445 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

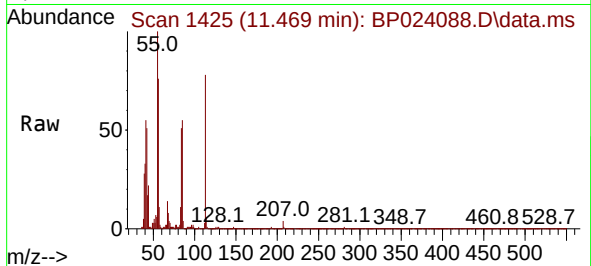
Tgt Ion:	225	Resp:	105639
Ion Ratio	Lower	Upper	
225	100		
223	60.6	50.5	75.7
227	64.8	51.3	76.9





#35
Caprolactam
Concen: 9.869 ng
RT: 11.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

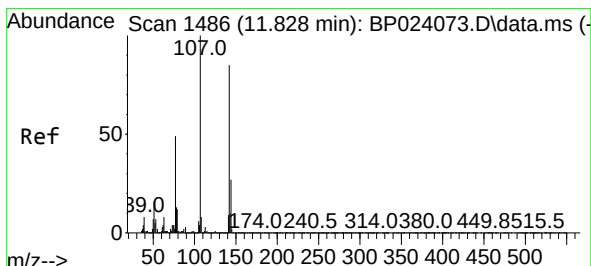
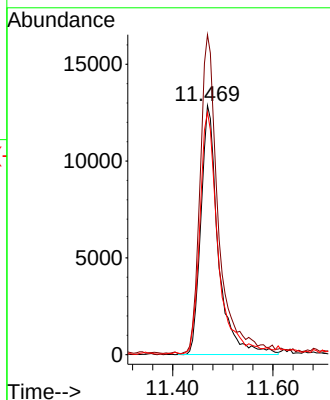
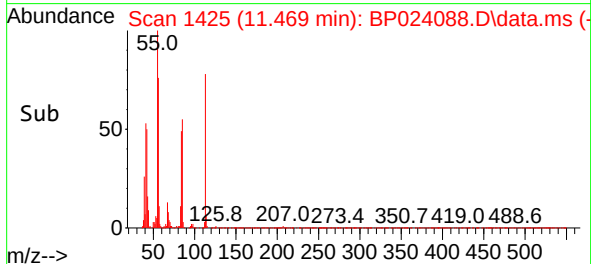
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:113 Resp: 30850
Ion Ratio Lower Upper
113 100
55 128.5 108.8 148.8
56 97.4 76.5 116.5

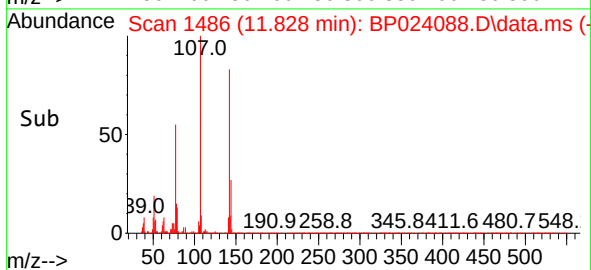
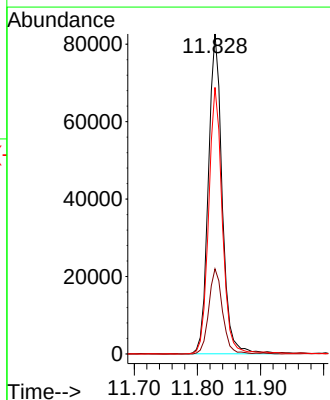
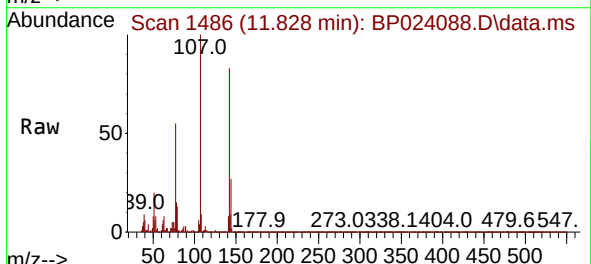
Manual Integrations
APPROVED

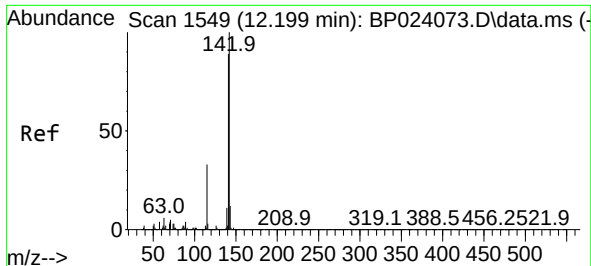
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#36
4-Chloro-3-methylphenol
Concen: 6.457 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

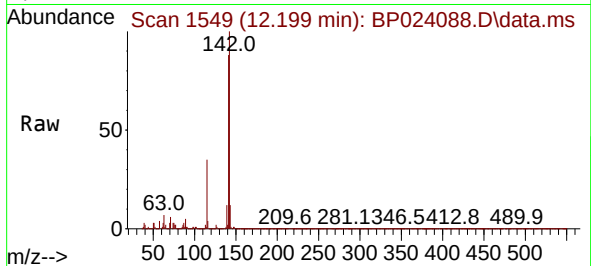
Tgt Ion:107 Resp: 125129
Ion Ratio Lower Upper
107 100
144 26.6 21.8 32.8
142 83.3 67.8 101.8





#37
2-Methylnaphthalene
Concen: 7.791 ng
RT: 12.199 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

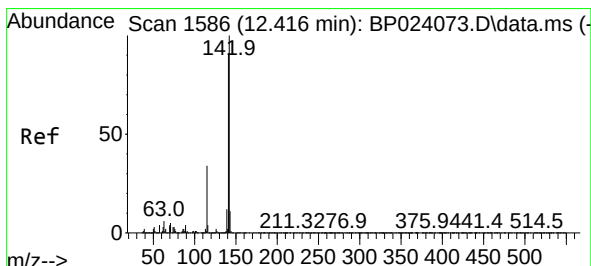
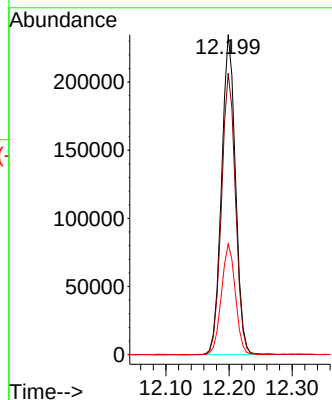
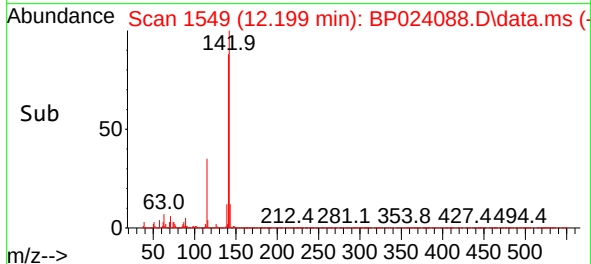
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



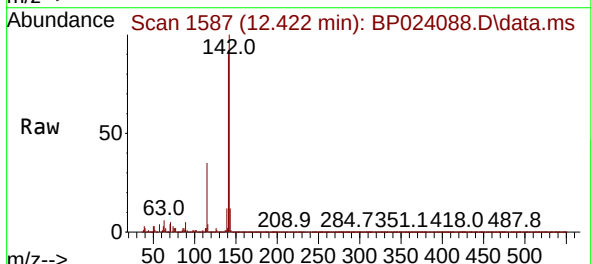
Tgt Ion:142 Resp: 360472
Ion Ratio Lower Upper
142 100
141 87.9 71.2 106.8
115 34.6 26.5 39.7

Manual Integrations
APPROVED

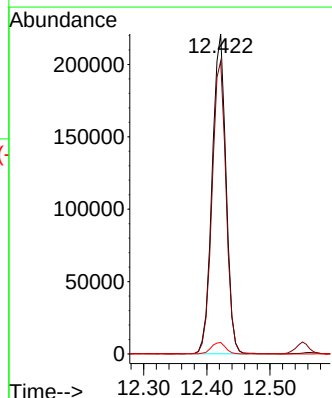
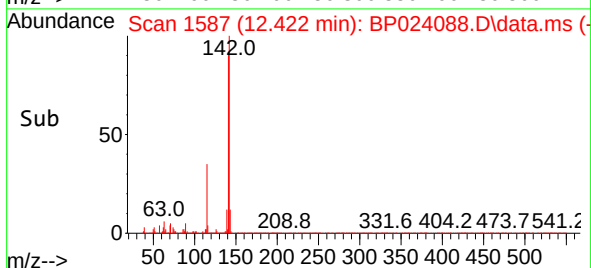
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

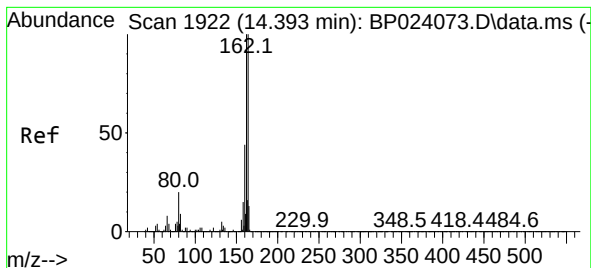


#38
1-Methylnaphthalene
Concen: 7.478 ng
RT: 12.422 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



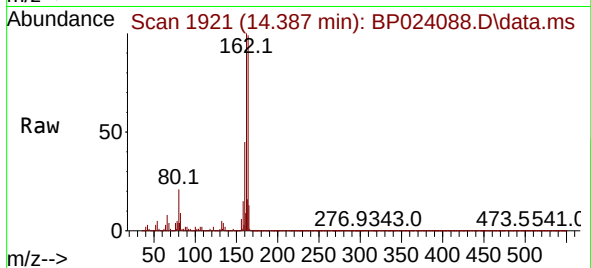
Tgt Ion:142 Resp: 336588
Ion Ratio Lower Upper
142 100
141 91.5 73.0 109.6
116 3.6 2.8 4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

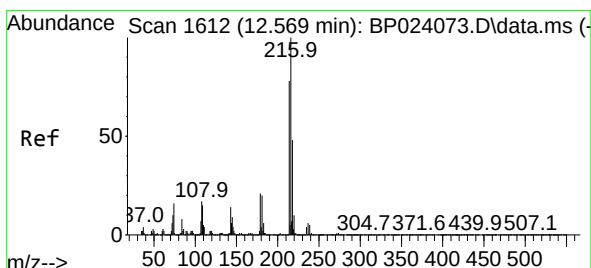
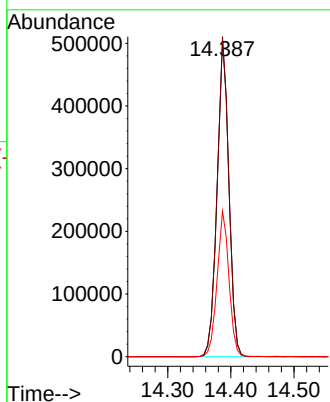
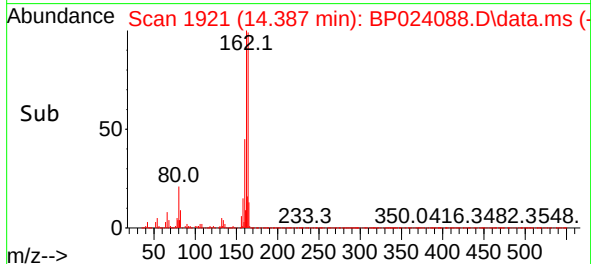
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



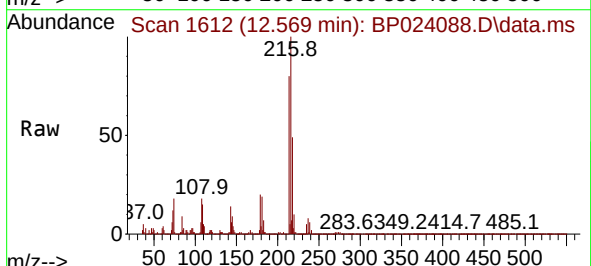
Tgt Ion:164 Resp: 656800
Ion Ratio Lower Upper
164 100
162 101.0 80.1 120.1
160 46.0 35.6 53.4

Manual Integrations
APPROVED

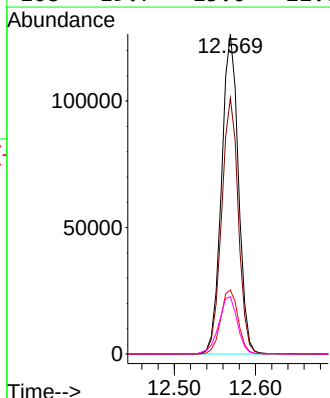
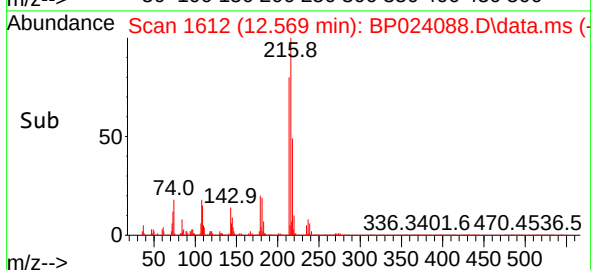
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

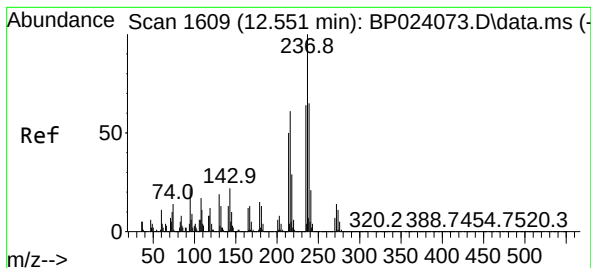


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.062 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



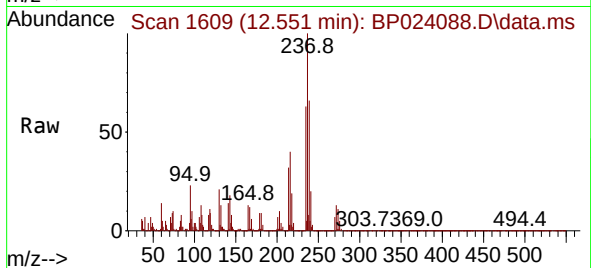
Tgt Ion:216 Resp: 182872
Ion Ratio Lower Upper
216 100
214 79.2 62.7 94.1
179 20.7 16.6 25.0
108 19.7 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 11.211 ng
RT: 12.551 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

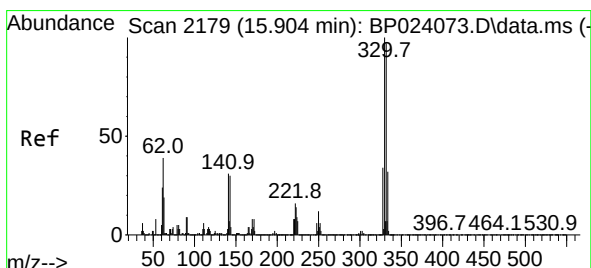
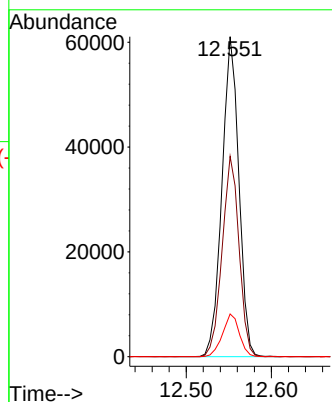
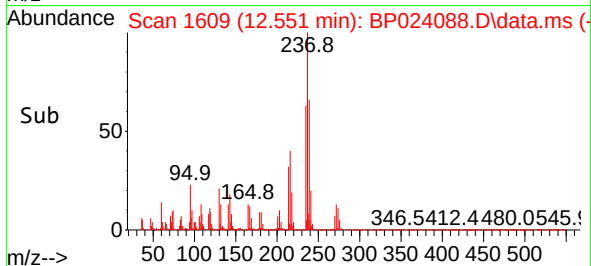
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:237 Resp: 84180
Ion Ratio Lower Upper
237 100
235 62.6 43.5 83.5
272 13.3 0.0 33.7

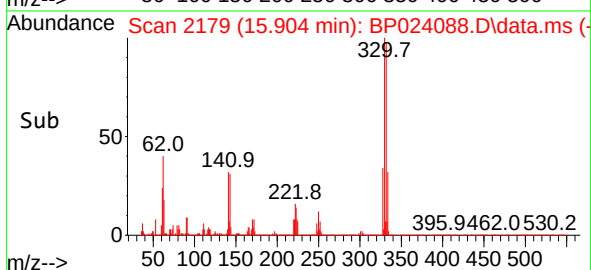
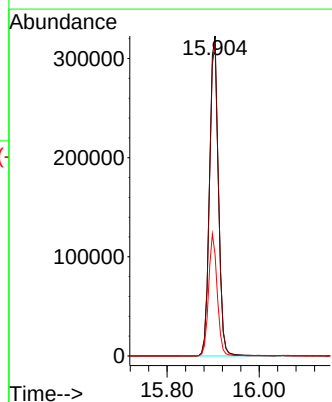
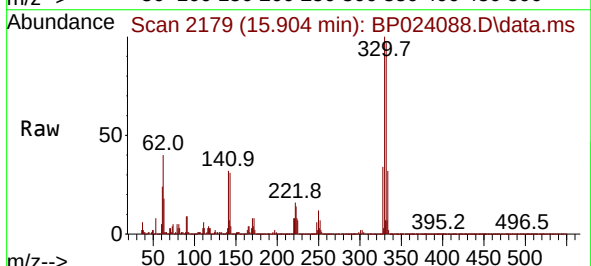
Manual Integrations
APPROVED

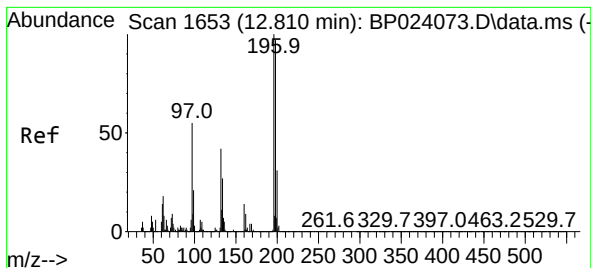
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#42
2,4,6-Tribromophenol
Concen: 54.287 ng
RT: 15.904 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:330 Resp: 436748
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.4
141 36.9 28.3 42.5





#43

2,4,6-Trichlorophenol

Concen: 7.089 ng

RT: 12.810 min Scan# 1653

Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

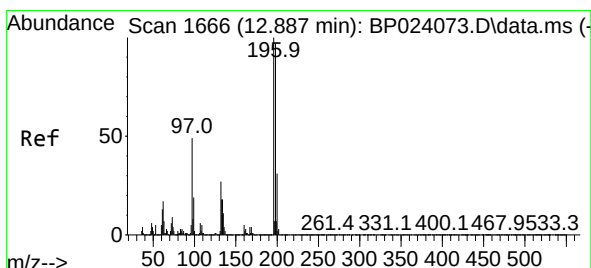
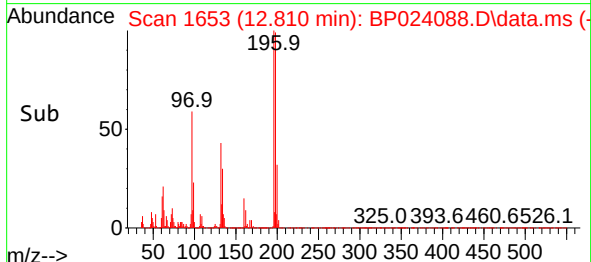
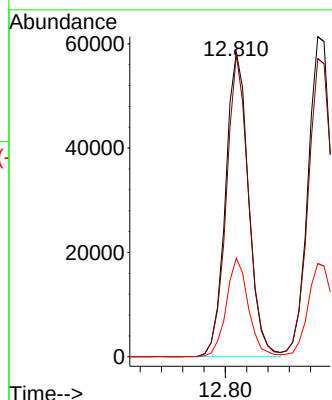
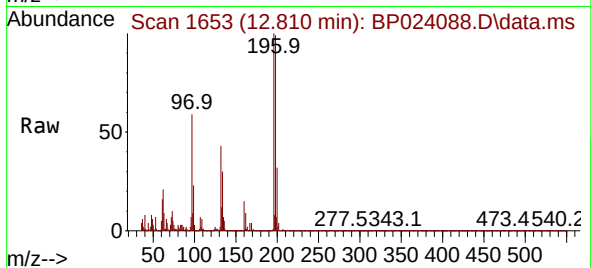
Tgt Ion:196	Resp:	8724	
Ion Ratio	Lower	Upper	
196	100		
198	99.4	77.8	116.6
200	32.4	25.0	37.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#44

2,4,5-Trichlorophenol

Concen: 7.324 ng

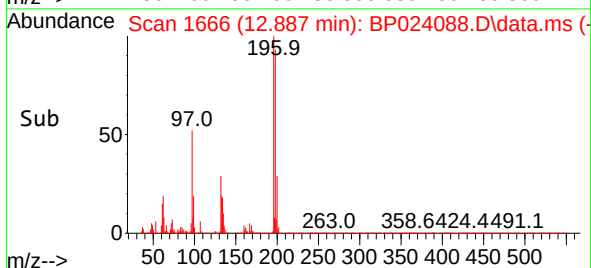
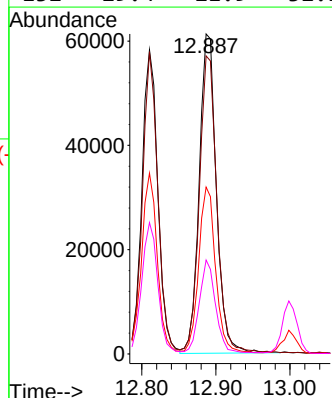
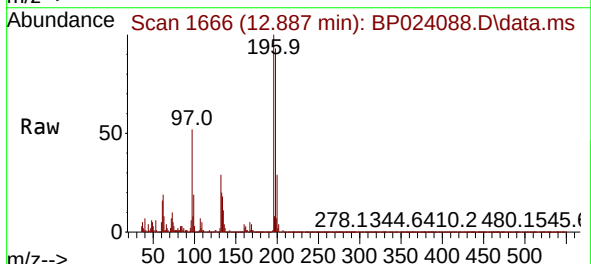
RT: 12.887 min Scan# 1666

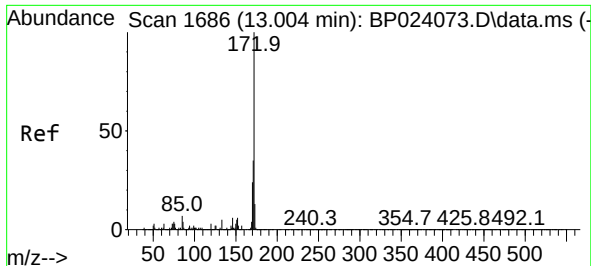
Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

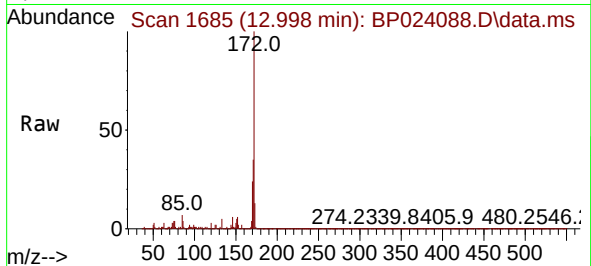
Tgt Ion:196	Resp:	98582	
Ion Ratio	Lower	Upper	
196	100		
198	93.2	77.4	116.2
97	52.1	39.0	58.4
132	29.4	21.9	32.9





#45
2-Fluorobiphenyl
Concen: 64.199 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

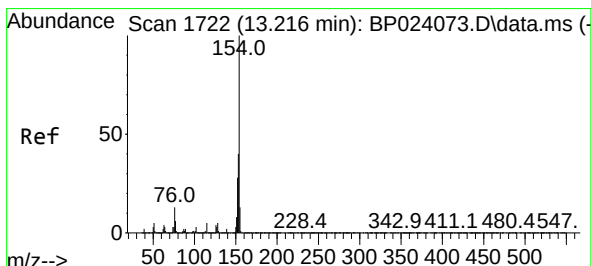
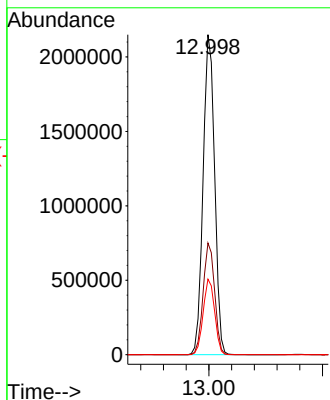
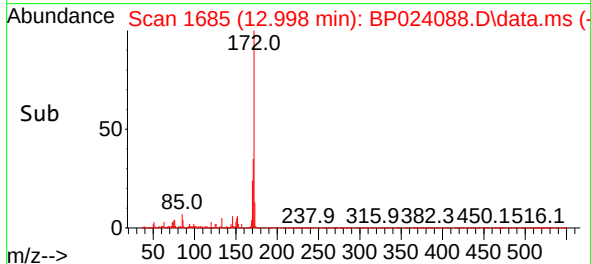
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



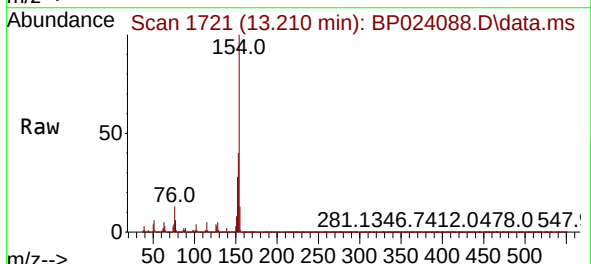
Tgt Ion:172 Resp: 3016164
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.6 19.0 28.6

Manual Integrations
APPROVED

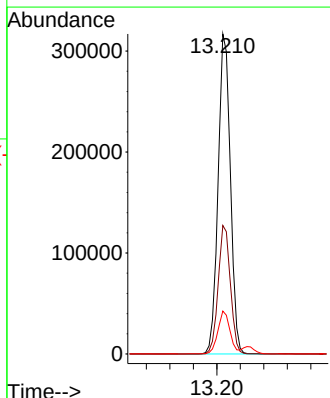
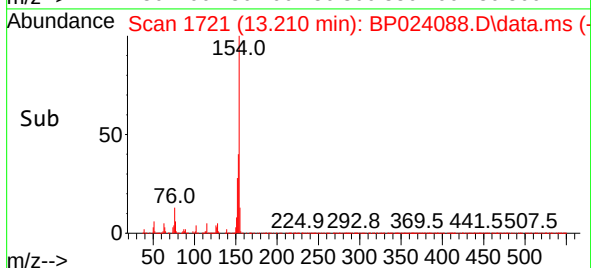
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

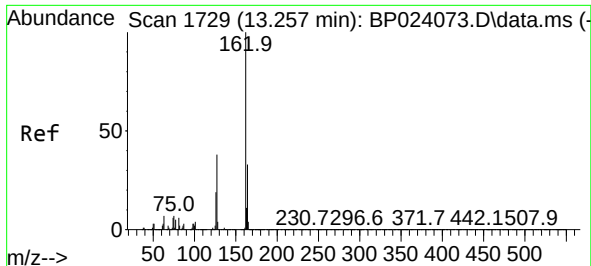


#46
1,1'-Biphenyl
Concen: 9.001 ng
RT: 13.210 min Scan# 1721
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



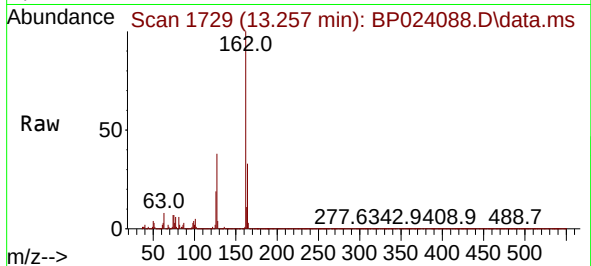
Tgt Ion:154 Resp: 459404
Ion Ratio Lower Upper
154 100
153 40.1 20.0 60.0
76 13.4 0.0 32.6





#47
2-Chloronaphthalene
Concen: 8.835 ng
RT: 13.257 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

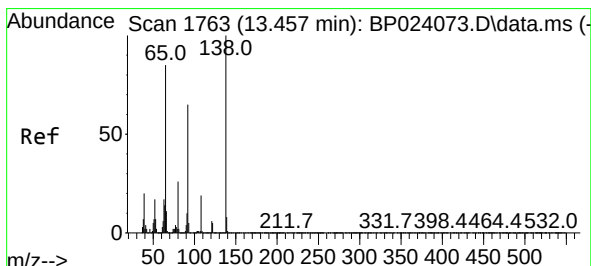
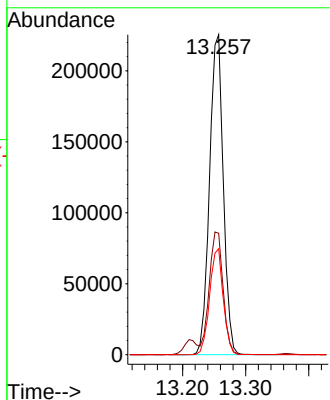
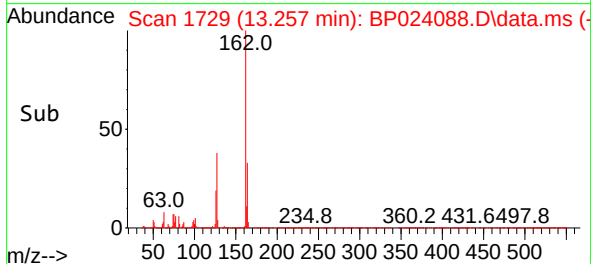
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



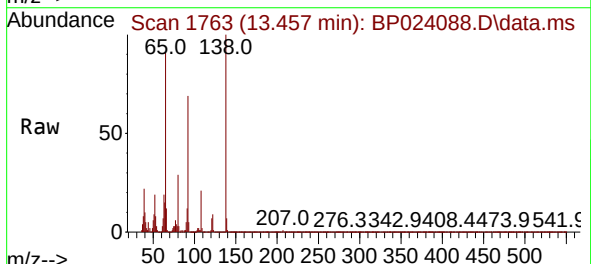
Tgt Ion:162 Resp: 34088
Ion Ratio Lower Upper
162 100
127 37.9 30.7 46.1
164 33.1 26.6 39.8

Manual Integrations
APPROVED

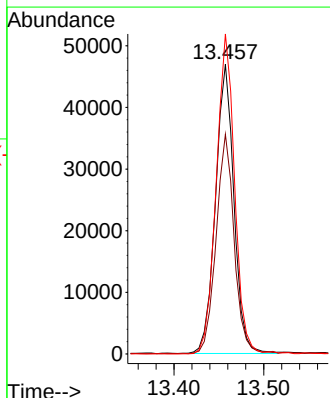
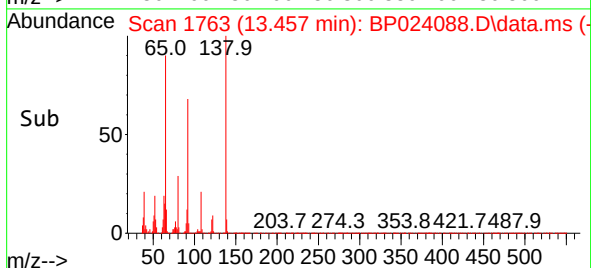
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

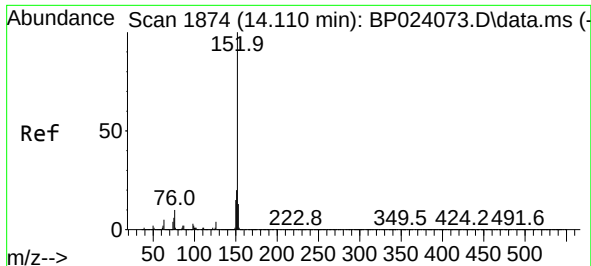


#48
2-Nitroaniline
Concen: 7.339 ng
RT: 13.457 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



Tgt Ion: 65 Resp: 66891
Ion Ratio Lower Upper
65 100
92 75.8 61.7 92.5
138 110.4 94.6 142.0





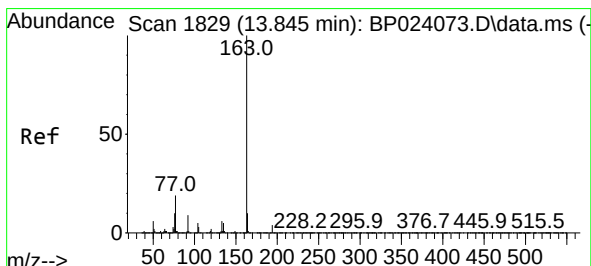
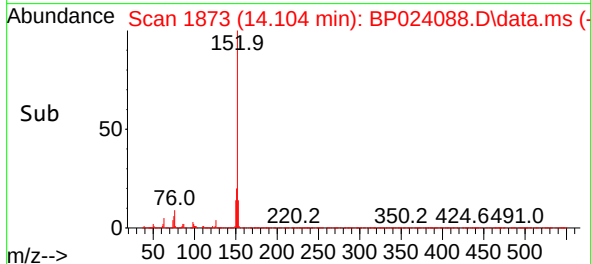
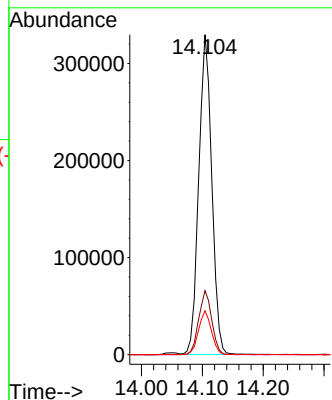
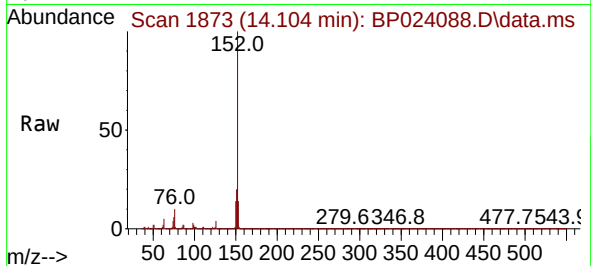
#49
Acenaphthylene
Concen: 8.587 ng
RT: 14.104 min Scan# 1873
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion:152 Resp: 488130
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.7 10.7 16.1

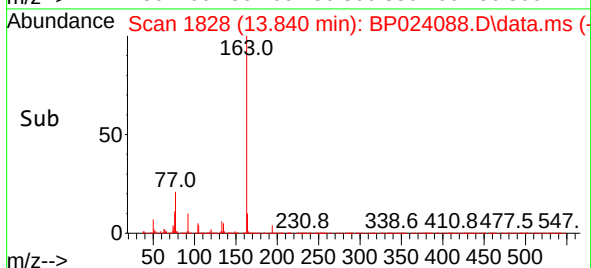
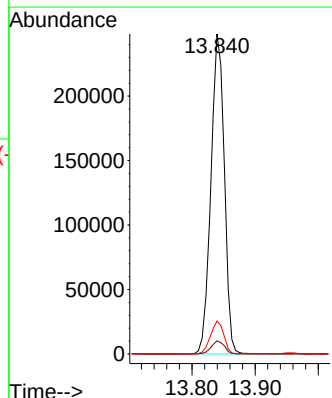
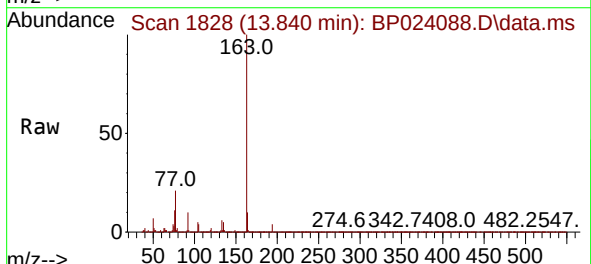
Manual Integrations
APPROVED

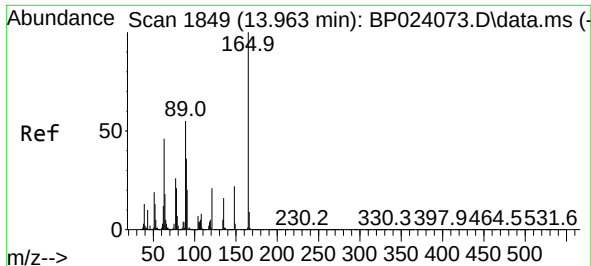
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#50
Dimethylphthalate
Concen: 7.899 ng
RT: 13.840 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

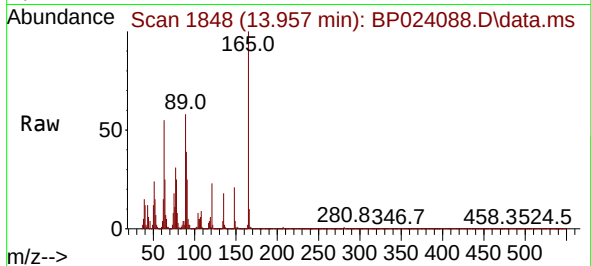
Tgt Ion:163 Resp: 365961
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.3 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 7.263 ng
RT: 13.957 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

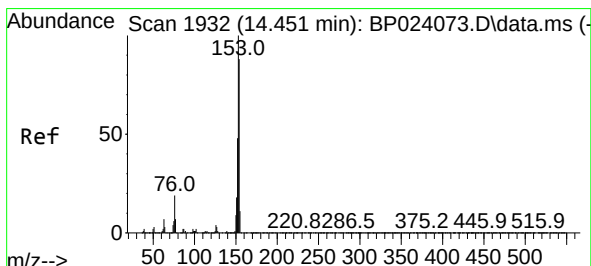
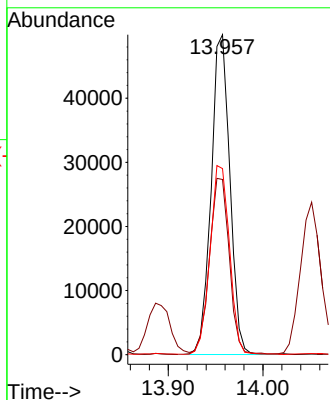
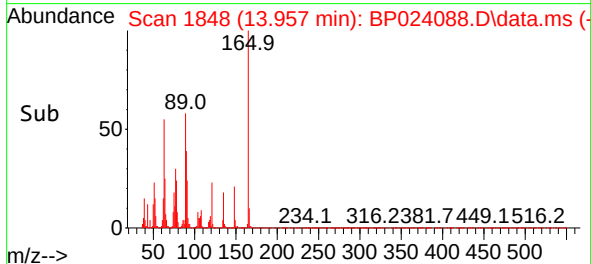
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 68549
Ion Ratio Lower Upper
165 100
63 54.8 40.1 60.1
89 58.2 44.2 66.4

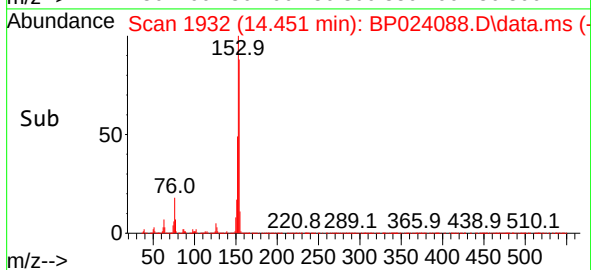
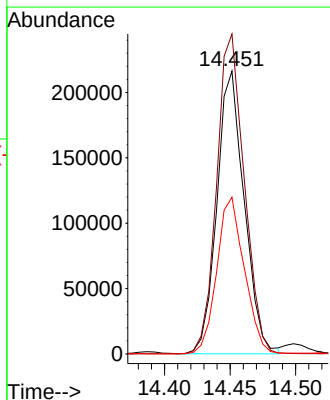
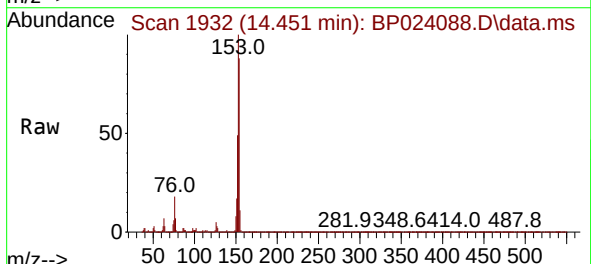
Manual Integrations
APPROVED

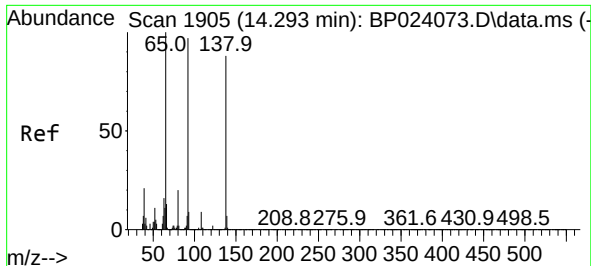
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#52
Acenaphthene
Concen: 8.557 ng
RT: 14.451 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:154 Resp: 313239
Ion Ratio Lower Upper
154 100
153 113.1 90.6 135.8
152 55.4 43.6 65.4





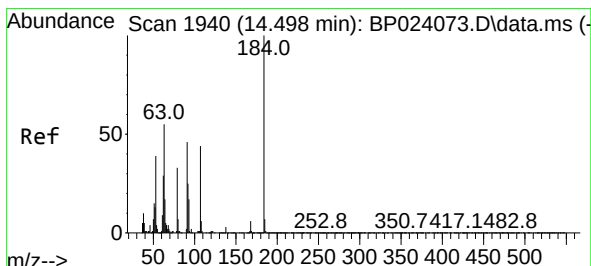
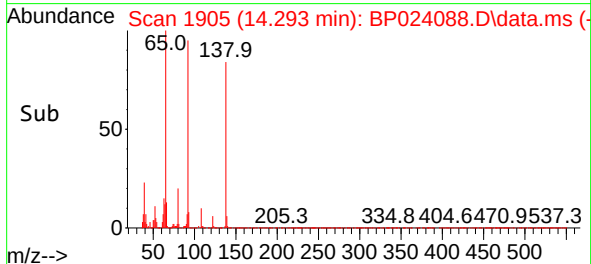
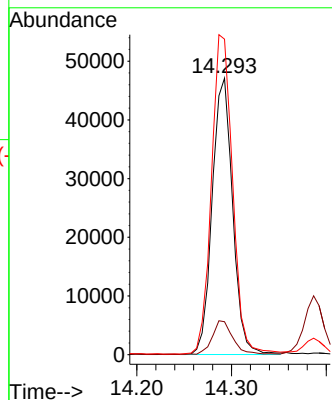
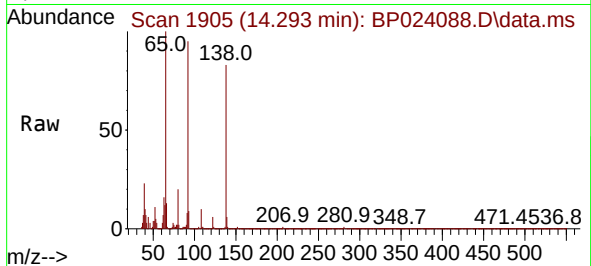
#53
3-Nitroaniline
Concen: 7.012 ng
RT: 14.293 min Scan# 1905
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion:138 Resp: 7061
Ion Ratio Lower Upper
138 100
108 11.9 7.8 11.8
92 114.1 88.4 132.6

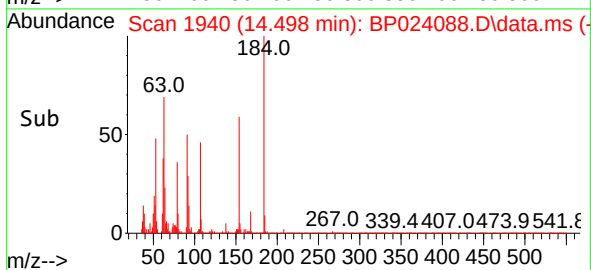
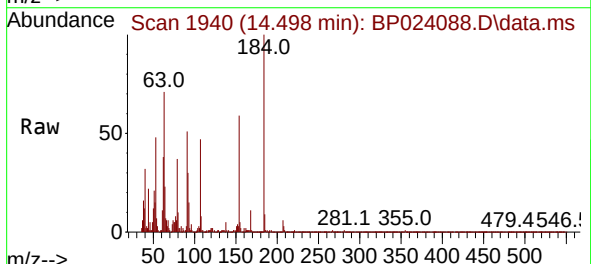
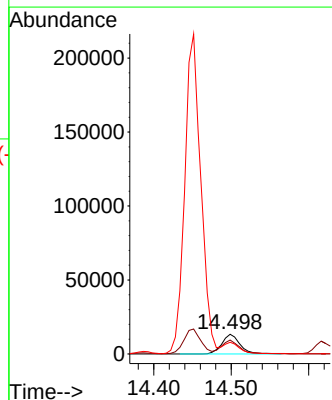
Manual Integrations
APPROVED

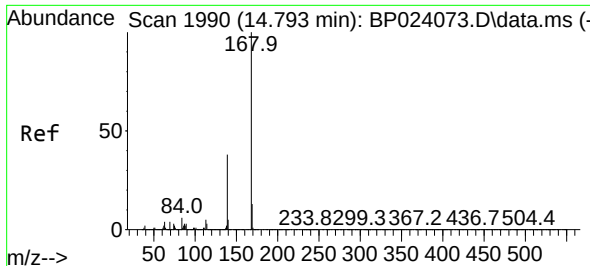
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#54
2,4-Dinitrophenol
Concen: 10.924 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

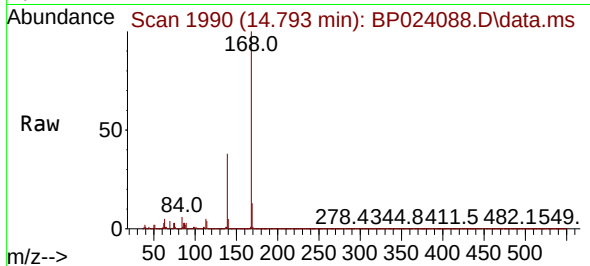
Tgt Ion:184 Resp: 21673
Ion Ratio Lower Upper
184 100
63 70.8 49.4 74.0
154 59.1 49.2 73.8





#55
Dibenzenofuran
Concen: 8.213 ng
RT: 14.793 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

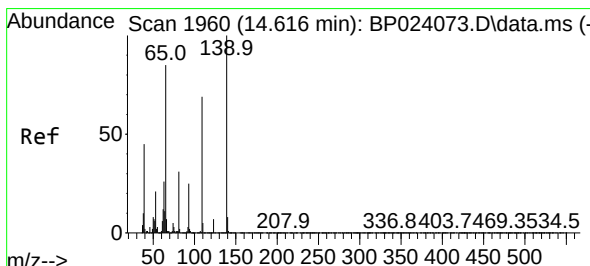
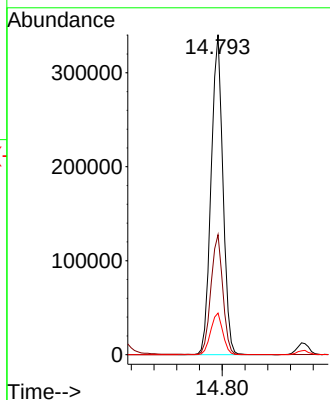
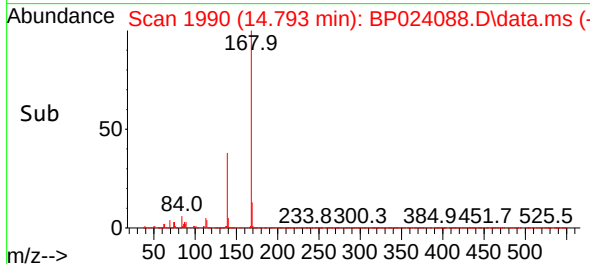
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



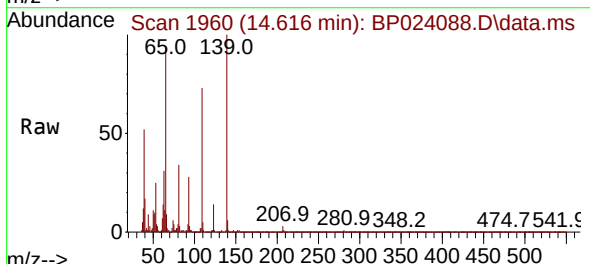
Tgt Ion:168 Resp: 488375
Ion Ratio Lower Upper
168 100
139 37.5 30.2 45.2
169 13.0 10.7 16.1

Manual Integrations
APPROVED

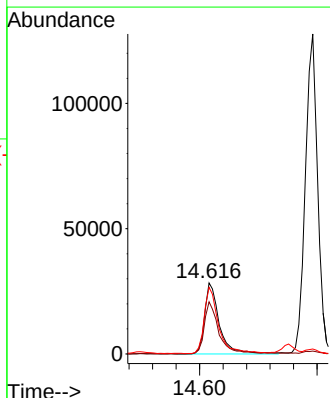
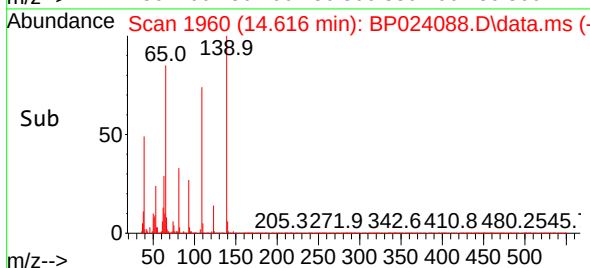
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

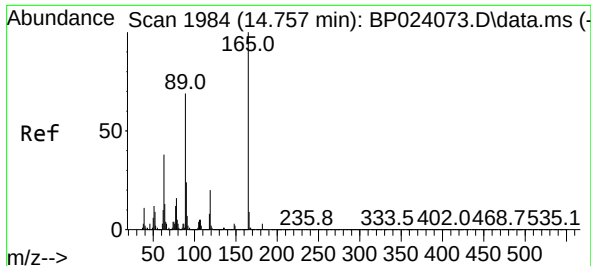


#56
4-Nitrophenol
Concen: 5.662 ng
RT: 14.616 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



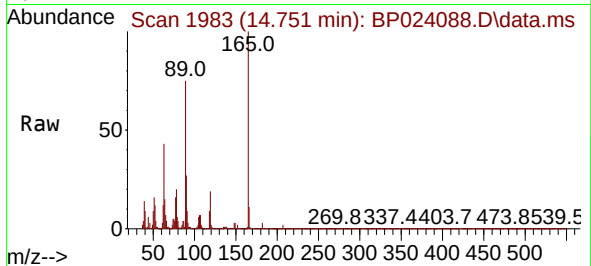
Tgt Ion:139 Resp: 49253
Ion Ratio Lower Upper
139 100
109 73.4 49.2 89.2
65 93.6 65.4 105.4





#57
2,4-Dinitrotoluene
Concen: 6.474 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

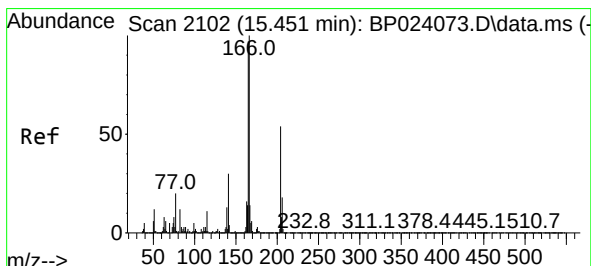
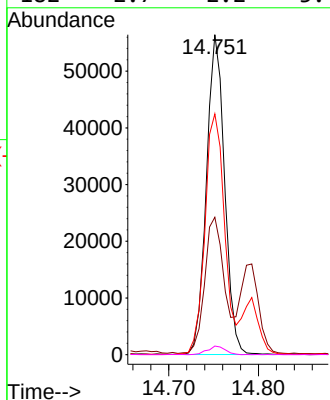
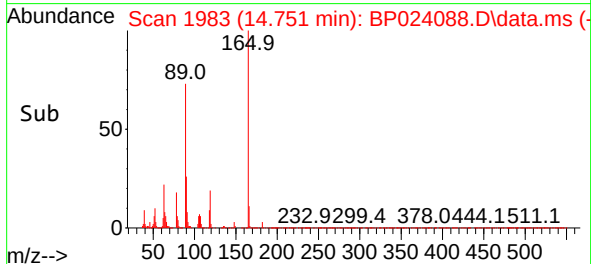
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 7937
Ion Ratio Lower Upper
165 100
63 43.0 30.4 45.6
89 75.3 54.8 82.2
182 2.7 2.2 3.4

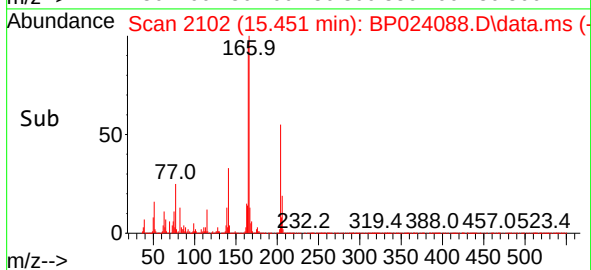
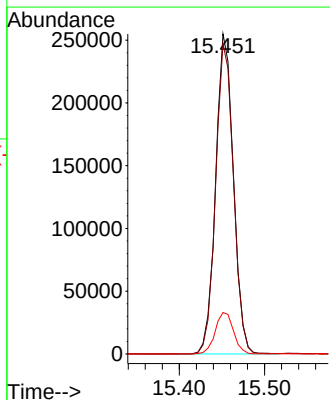
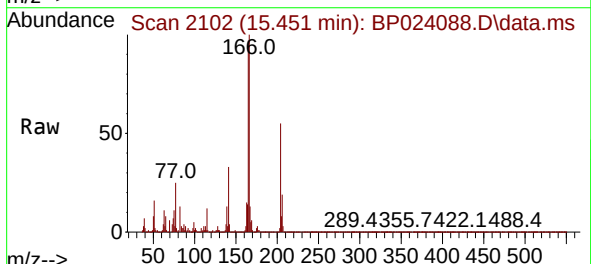
Manual Integrations
APPROVED

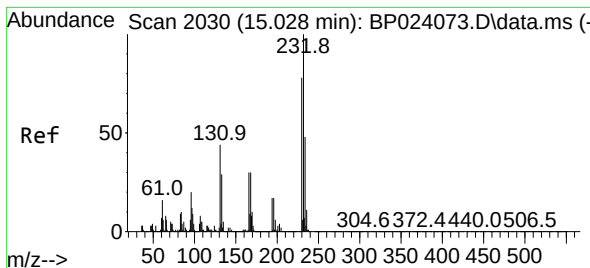
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#58
Fluorene
Concen: 7.971 ng
RT: 15.451 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

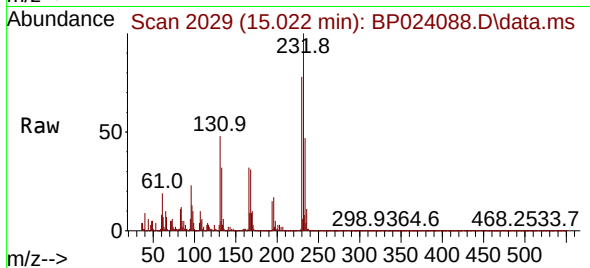
Tgt Ion:166 Resp: 370179
Ion Ratio Lower Upper
166 100
165 97.0 77.5 116.3
167 13.0 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.020 ng
RT: 15.022 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

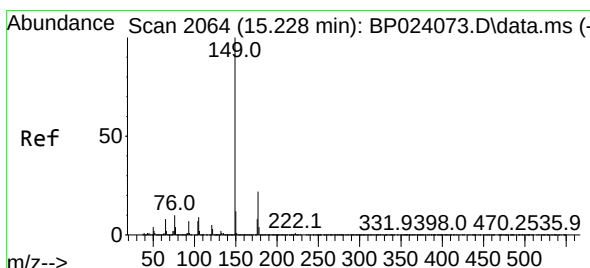
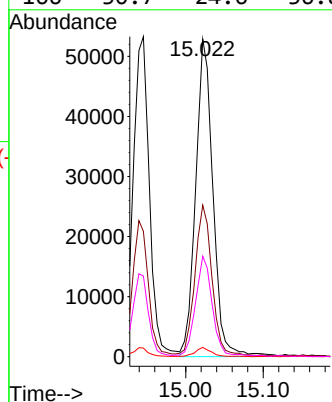
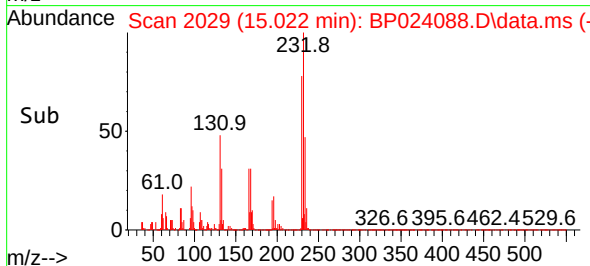
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:232 Resp: 81972
Ion Ratio Lower Upper
232 100
131 46.6 37.3 55.9
130 2.5 1.9 2.9
166 30.7 24.6 36.8

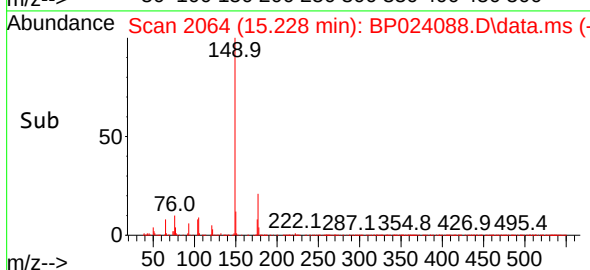
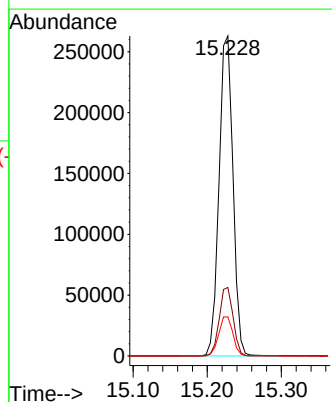
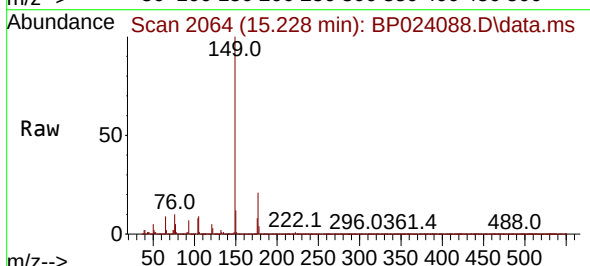
Manual Integrations
APPROVED

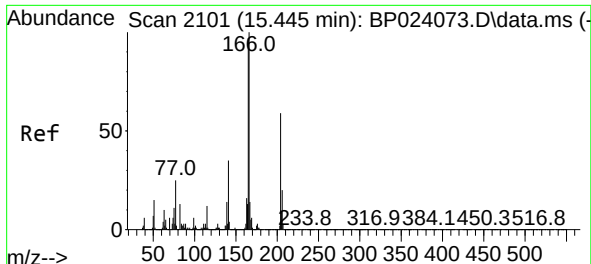
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#60
Diethylphthalate
Concen: 7.465 ng
RT: 15.228 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

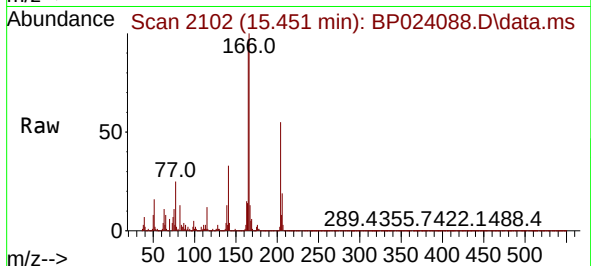
Tgt Ion:149 Resp: 343339
Ion Ratio Lower Upper
149 100
177 21.4 17.9 26.9
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 7.864 ng
RT: 15.451 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

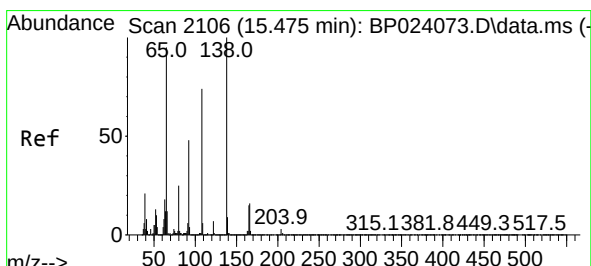
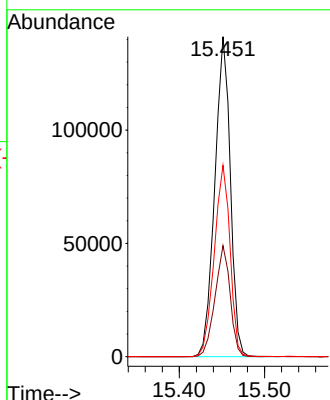
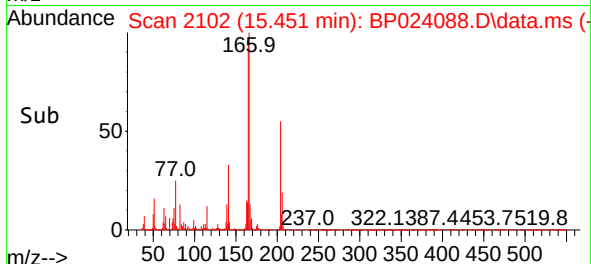
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:204 Resp: 17975
Ion Ratio Lower Upper
204 100
206 34.7 26.6 39.8
141 59.8 47.8 71.6

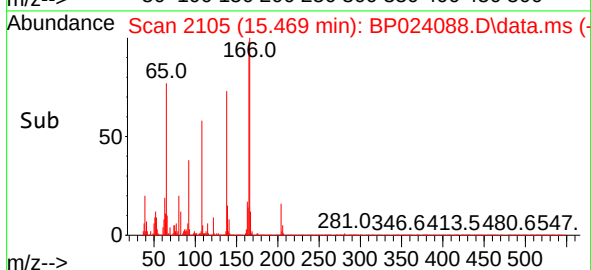
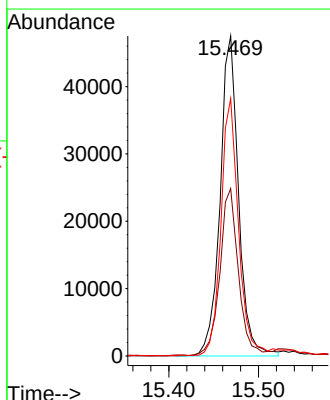
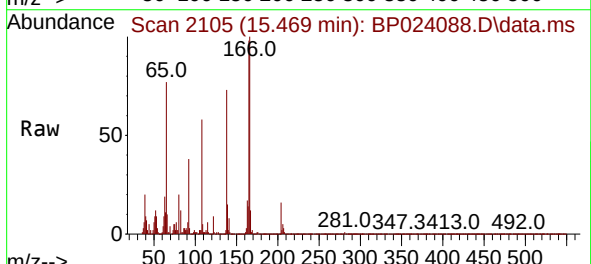
Manual Integrations
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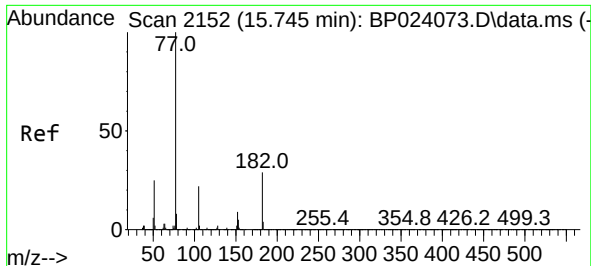
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#62
4-Nitroaniline
Concen: 8.587 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

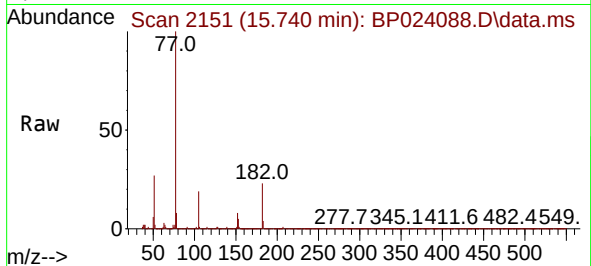
Tgt Ion:138 Resp: 67826
Ion Ratio Lower Upper
138 100
92 52.3 28.3 68.3
108 80.5 54.0 94.0





#63
Azobenzene
Concen: 7.815 ng
RT: 15.740 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

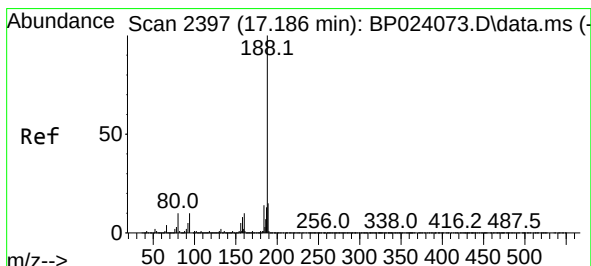
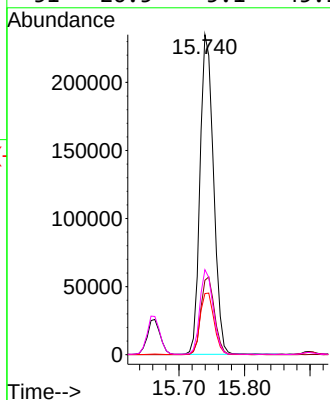
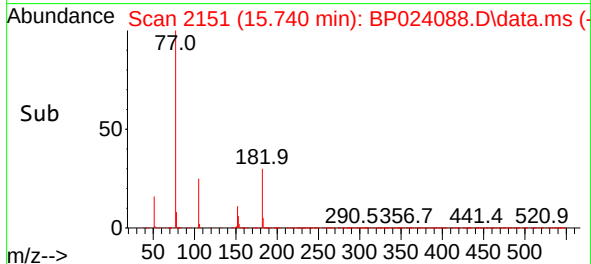
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2025



Tgt Ion: 77 Resp: 336780
Ion Ratio Lower Upper
77 100
182 23.3 8.5 48.5
105 19.1 1.8 41.8
51 26.5 5.1 45.1

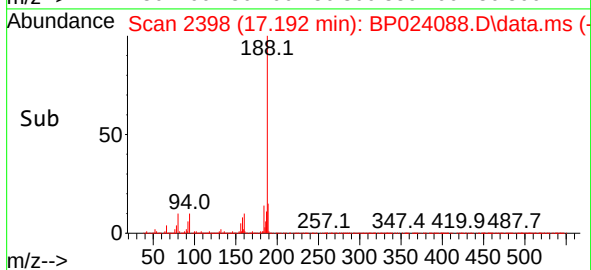
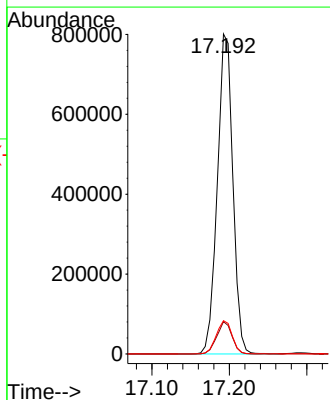
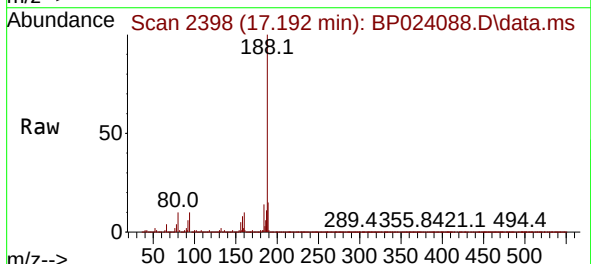
Manual Integrations
APPROVED

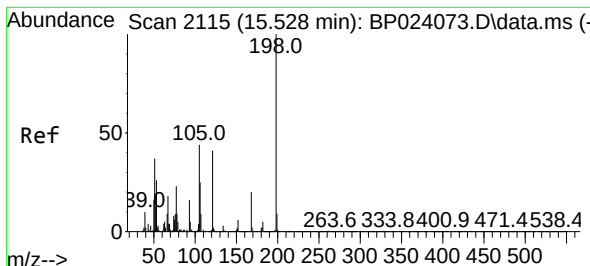
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:188 Resp: 1117933
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 10.4 8.2 12.2





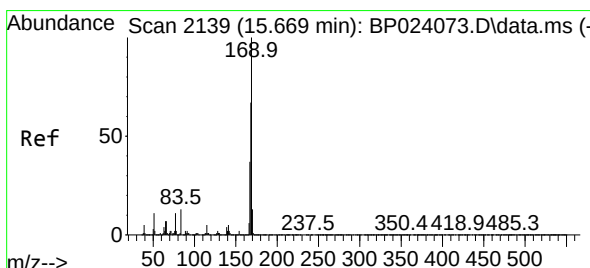
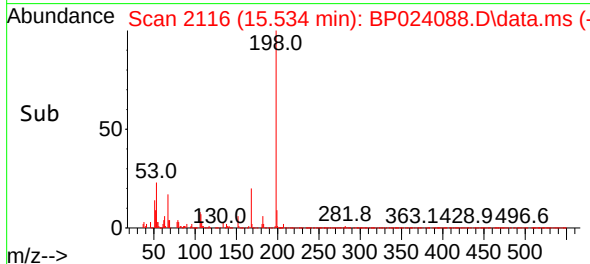
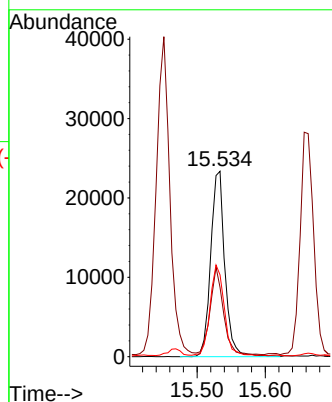
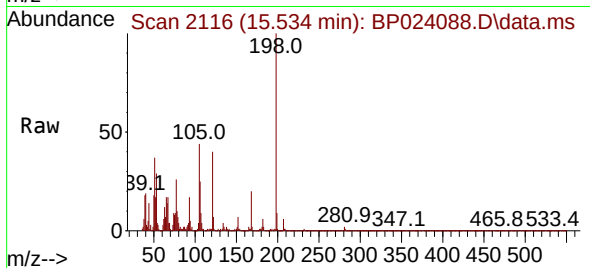
#65
4,6-Dinitro-2-methylphenol
Concen: 10.120 ng
RT: 15.534 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion:198 Resp: 33748
Ion Ratio Lower Upper
198 100
51 37.4 18.7 58.7
105 44.1 24.7 64.7

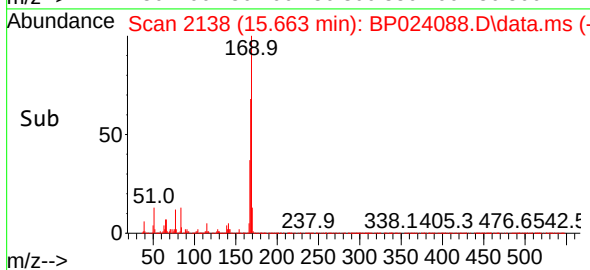
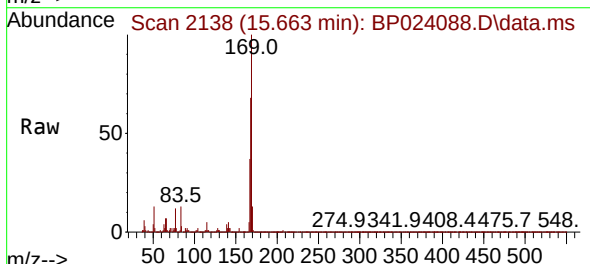
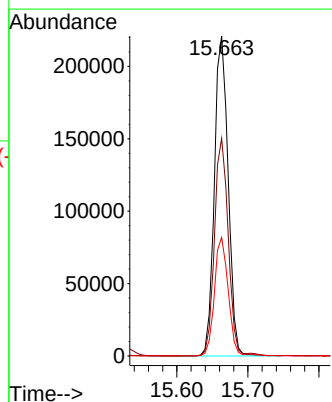
Manual Integrations
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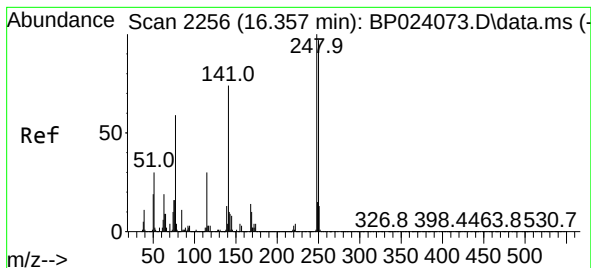
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#66
n-Nitrosodiphenylamine
Concen: 8.516 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

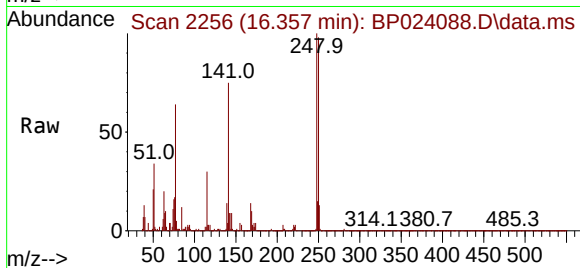
Tgt Ion:169 Resp: 296883
Ion Ratio Lower Upper
169 100
168 68.0 53.6 80.4
167 37.0 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 8.099 ng
RT: 16.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

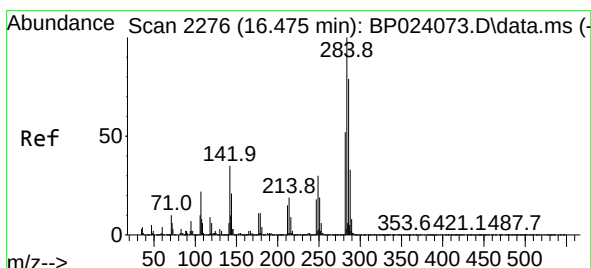
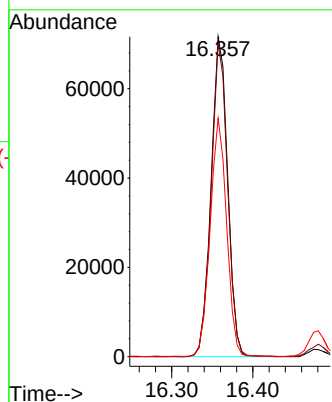
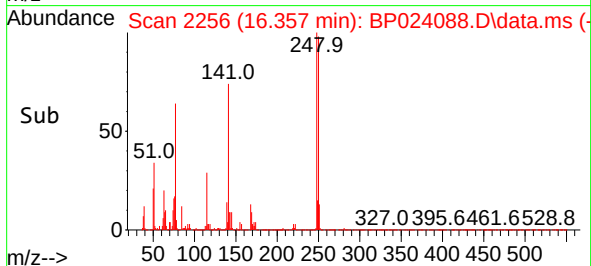
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:248 Resp: 101672
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 74.5 58.8 88.2

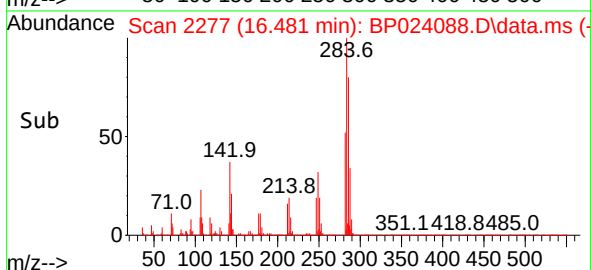
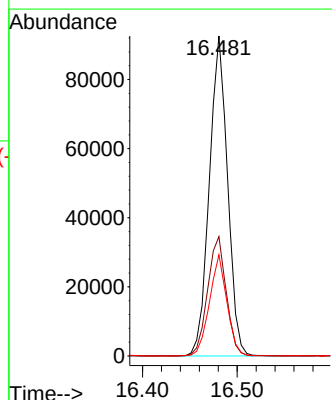
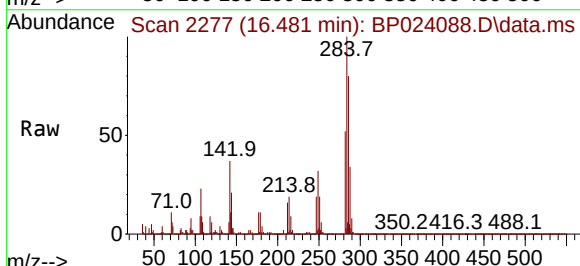
Manual Integrations
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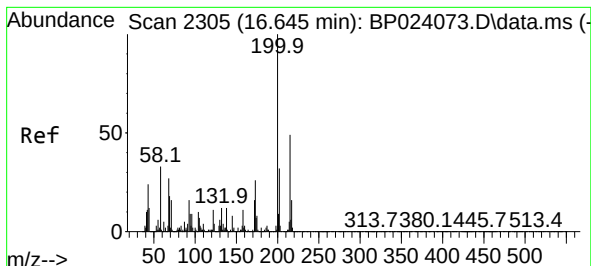
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#68
Hexachlorobenzene
Concen: 8.364 ng
RT: 16.481 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:284 Resp: 123548
Ion Ratio Lower Upper
284 100
142 37.3 27.7 41.5
249 31.6 23.8 35.6





#69

Atrazine

Concen: 9.555 ng

RT: 16.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:200 Resp: 8548

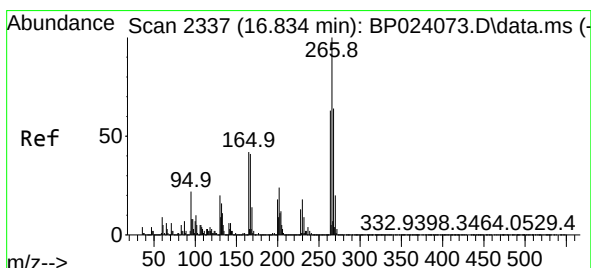
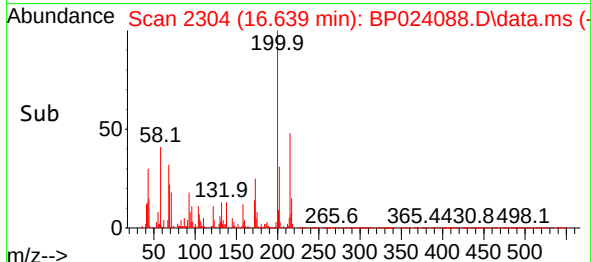
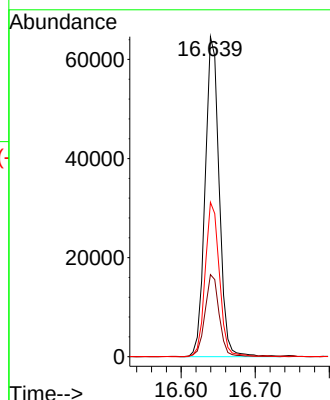
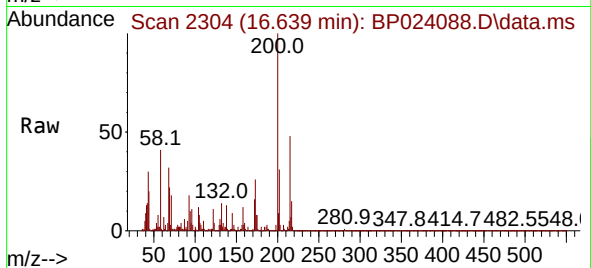
Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.7	45.7
215	48.2	28.7	68.7

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#70

Pentachlorophenol

Concen: 5.161 ng

RT: 16.839 min Scan# 2338

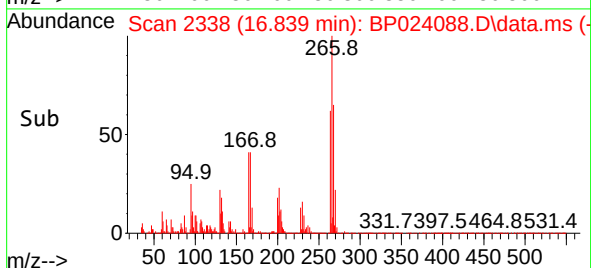
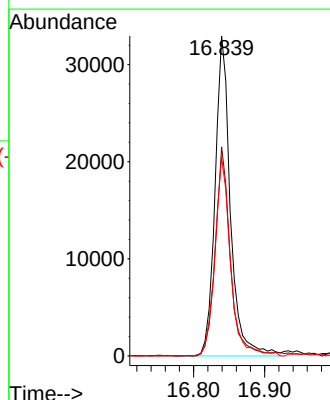
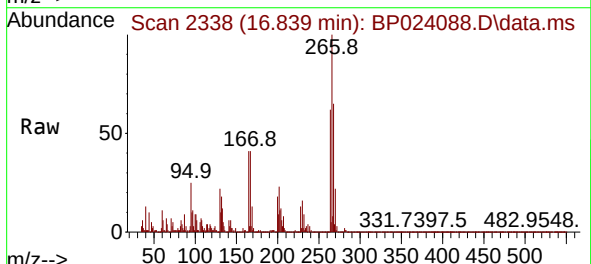
Delta R.T. 0.005 min

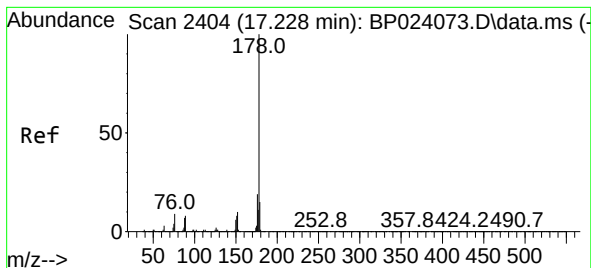
Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:266 Resp: 49514

Ion	Ratio	Lower	Upper
266	100		
268	65.4	51.3	76.9
264	62.0	50.5	75.7





#71

Phenanthrene

Concen: 8.846 ng

RT: 17.234 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

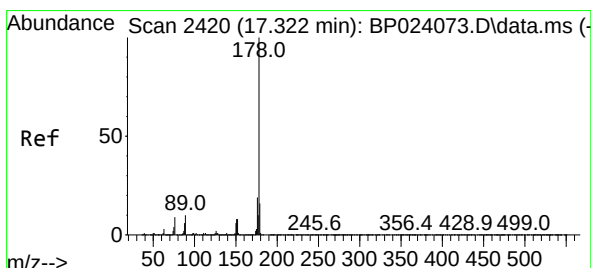
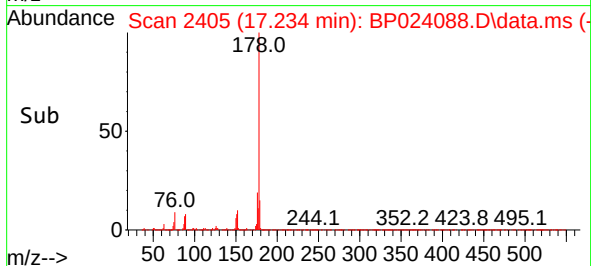
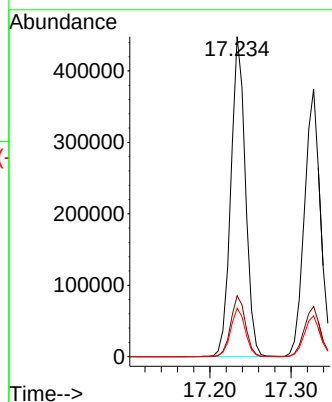
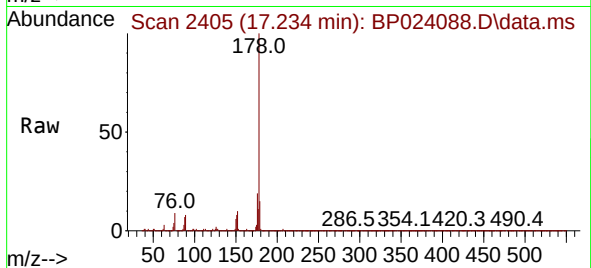
ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:178 Resp: 55753
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.5 23.3
 179 15.2 12.4 18.6

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



#72

Anthracene

Concen: 8.583 ng

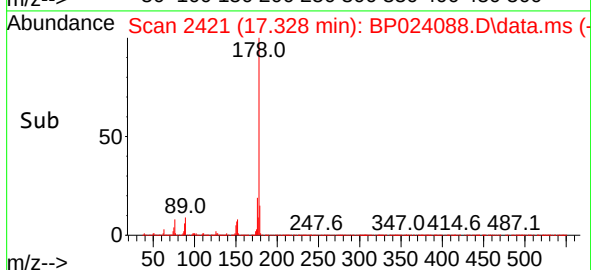
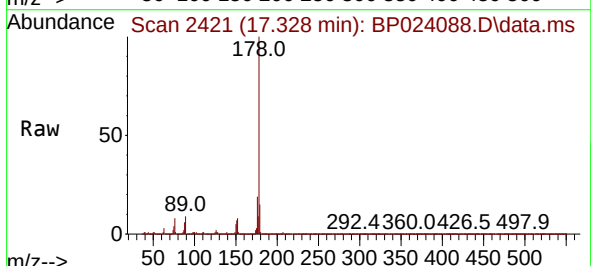
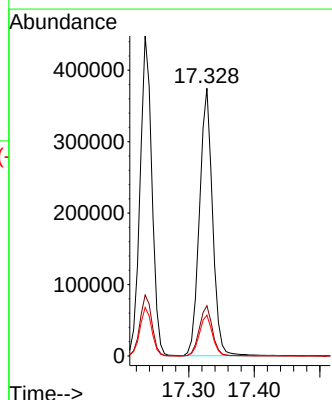
RT: 17.328 min Scan# 2421

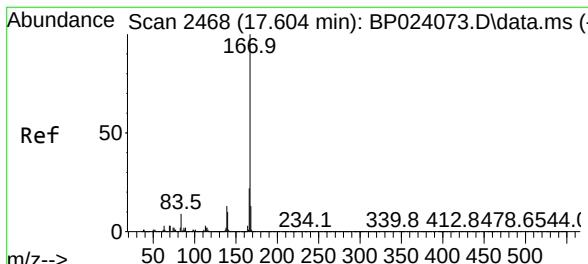
Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:178 Resp: 518418
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 15.3 12.6 19.0





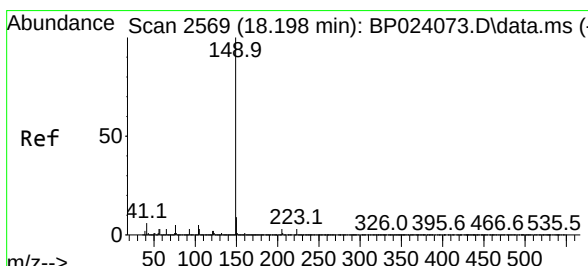
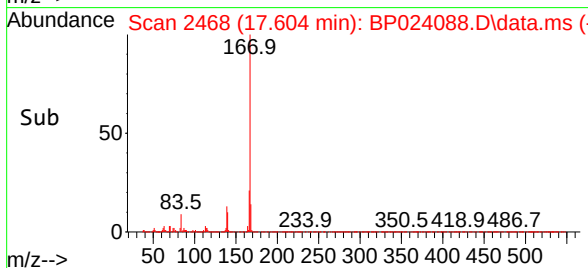
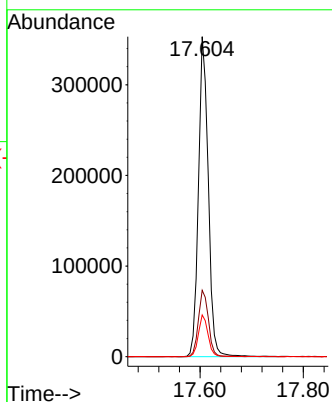
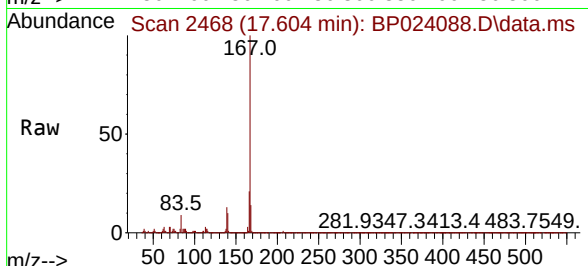
#73
 Carbazole
 Concen: 8.076 ng
 RT: 17.604 min Scan# 2468
 Delta R.T. 0.000 min
 Lab File: BP024088.D
 Acq: 18 Feb 2025 17:58

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

Tgt Ion:	167	Resp:	464730
Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.3	25.9
139	13.1	10.3	15.5

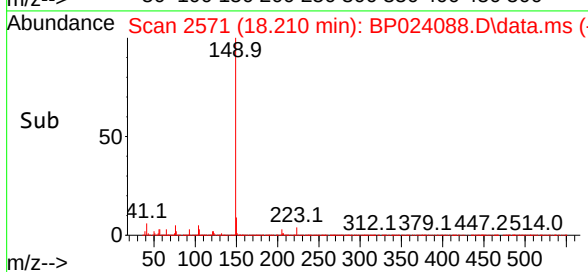
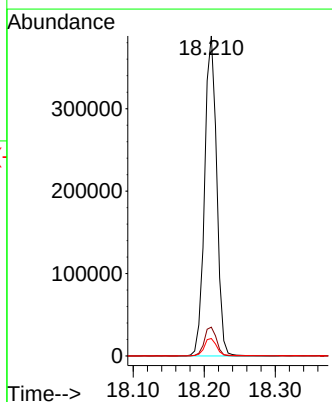
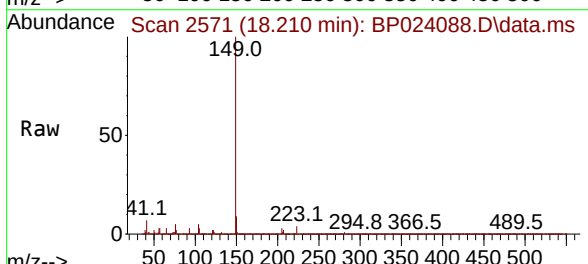
Manual Integrations
 APPROVED

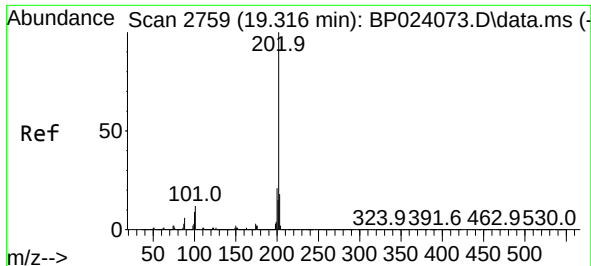
Reviewed By :Rahul Chavli 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#74
 Di-n-butylphthalate
 Concen: 6.840 ng
 RT: 18.210 min Scan# 2571
 Delta R.T. 0.012 min
 Lab File: BP024088.D
 Acq: 18 Feb 2025 17:58

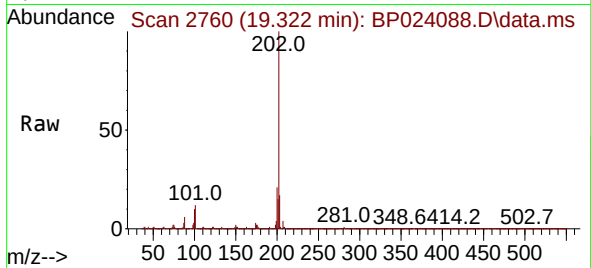
Tgt Ion:	149	Resp:	459269
Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.5	4.2	6.2





#75
Fluoranthene
Concen: 7.795 ng
RT: 19.322 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

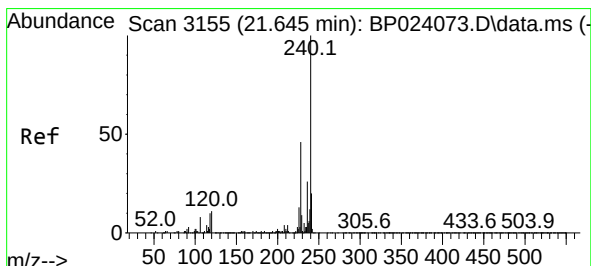
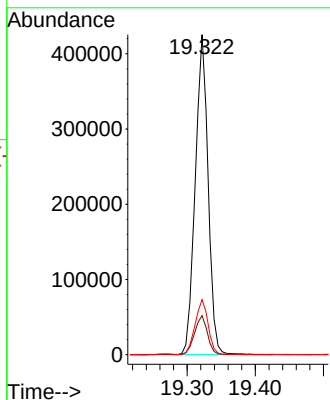
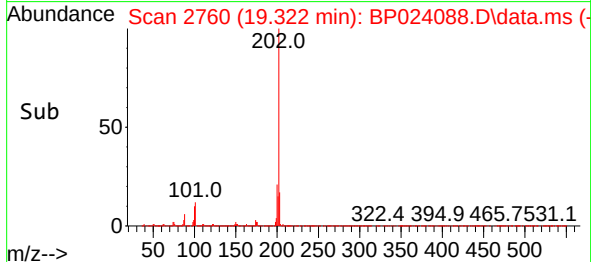
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:202 Resp: 555714
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.2 0.0 37.7

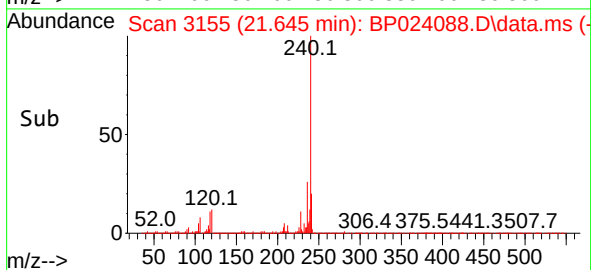
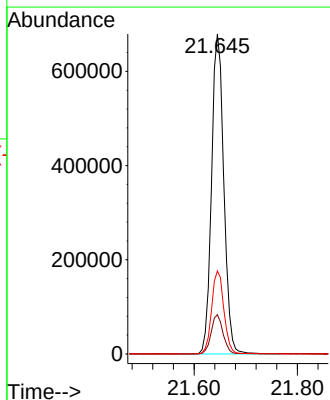
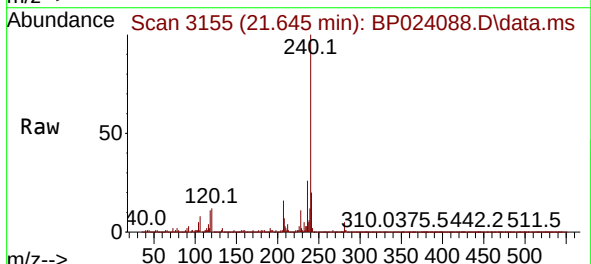
Manual Integrations
APPROVED

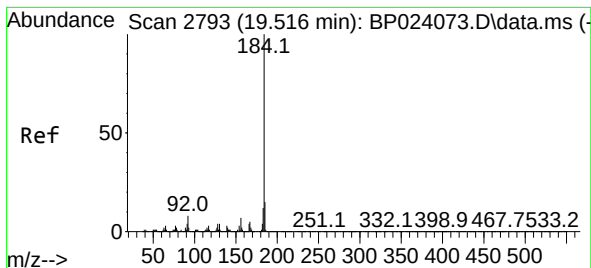
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:240 Resp: 1119151
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.0 20.7 31.1





#77

Benzidine

Concen: 14.796 ng

RT: 19.522 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

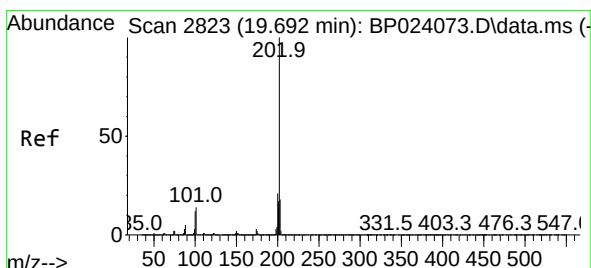
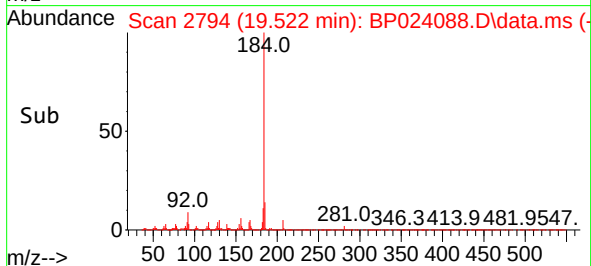
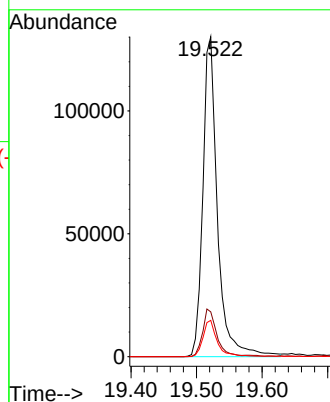
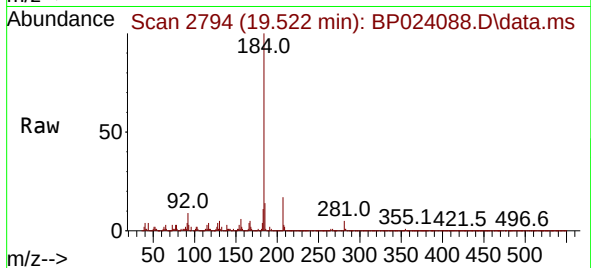
Tgt Ion:	184	Resp:	201780
Ion Ratio	Lower	Upper	
184	100		
185	14.0	11.8	17.8
183	11.3	9.3	13.9

Manual Integrations

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#78

Pyrene

Concen: 8.332 ng

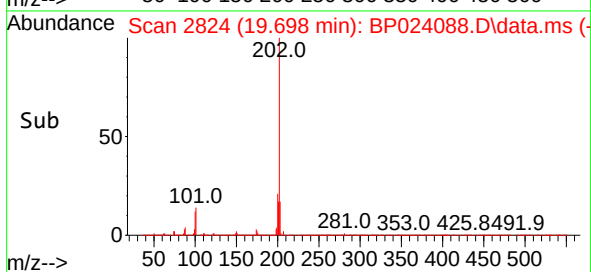
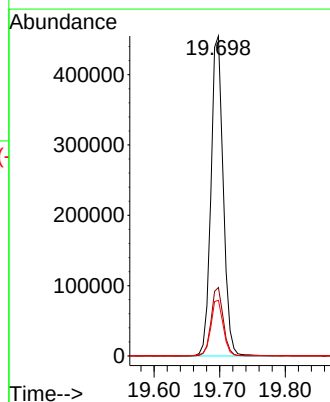
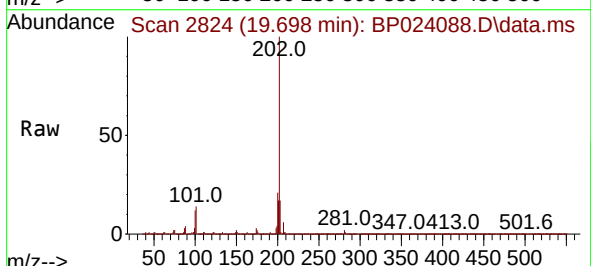
RT: 19.698 min Scan# 2824

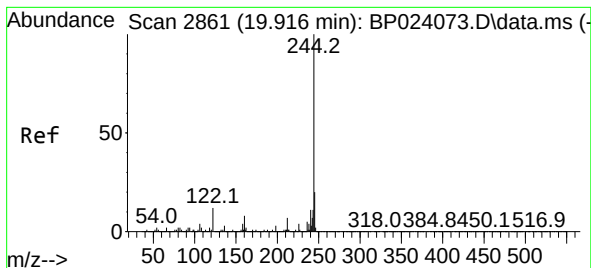
Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:	202	Resp:	592282
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.2	25.8
203	17.4	14.4	21.6





#79

Terphenyl-d14

Concen: 60.718 ng

RT: 19.928 min Scan# 2861

Delta R.T. 0.012 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:244 Resp: 3434150

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

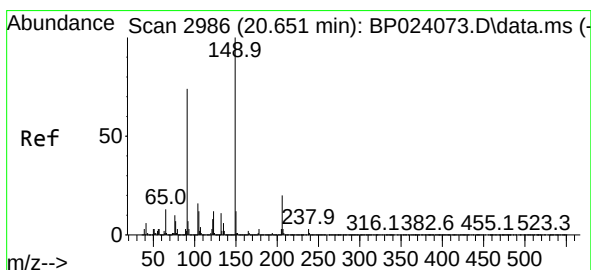
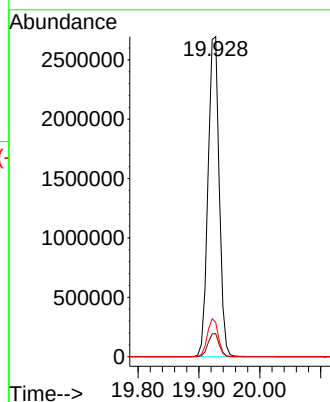
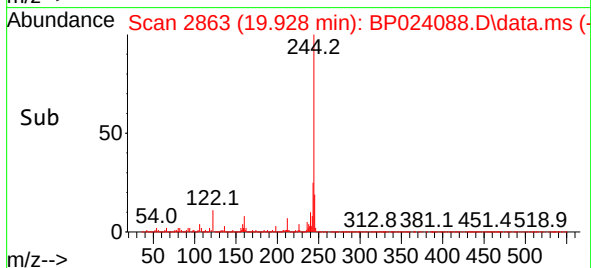
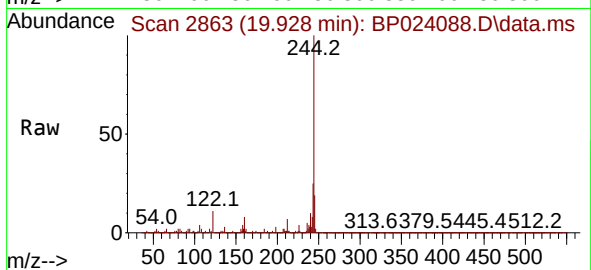
122 10.7 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#80

Butylbenzylphthalate

Concen: 6.473 ng

RT: 20.663 min Scan# 2988

Delta R.T. 0.012 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

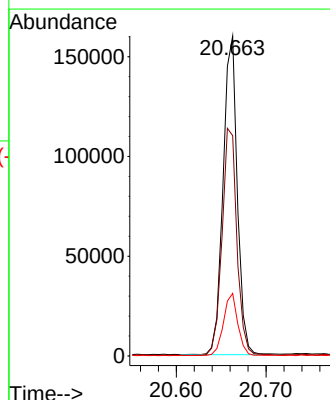
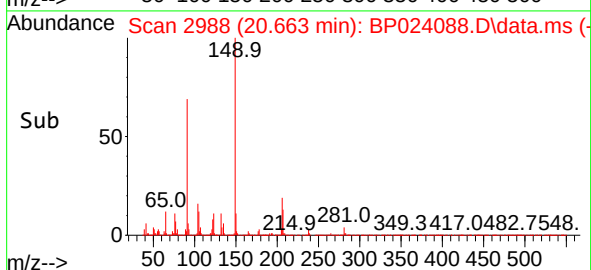
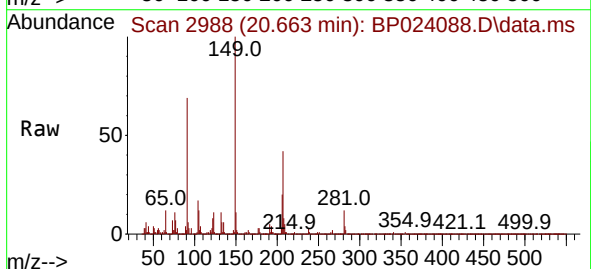
Tgt Ion:149 Resp: 176328

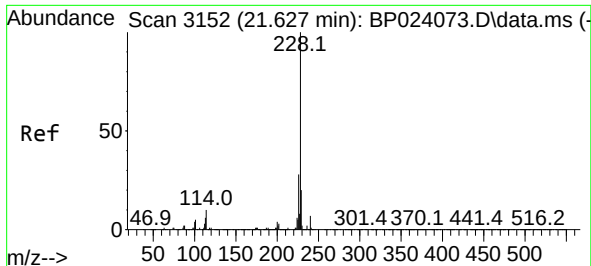
Ion Ratio Lower Upper

149 100

91 68.9 59.4 89.0

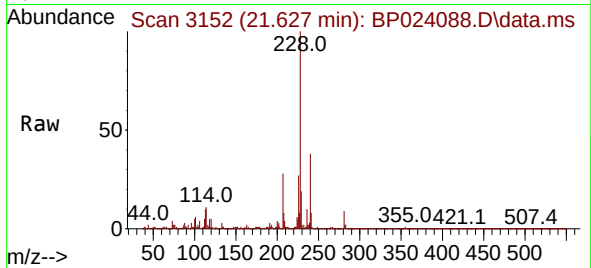
206 19.6 16.2 24.2





#81
Benzo(a)anthracene
Concen: 8.542 ng
RT: 21.627 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

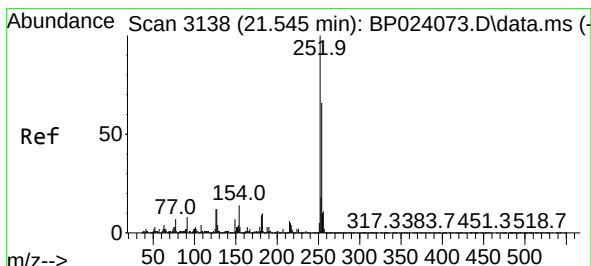
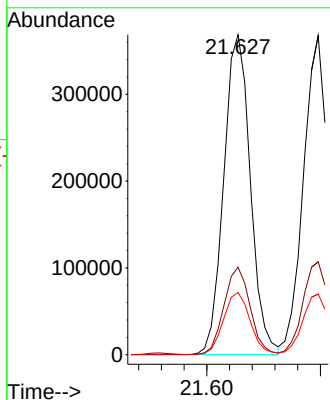
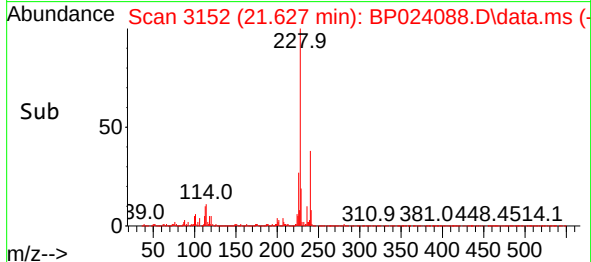
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2025



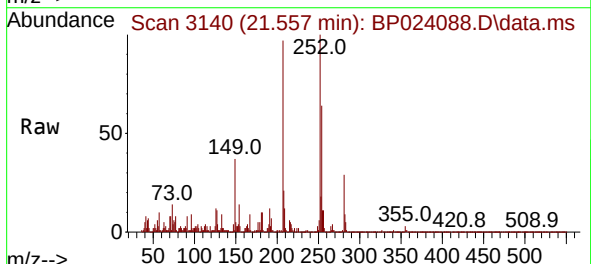
Tgt Ion:228 Resp: 599478
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.5 15.8 23.8

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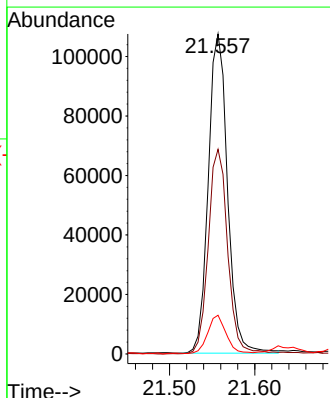
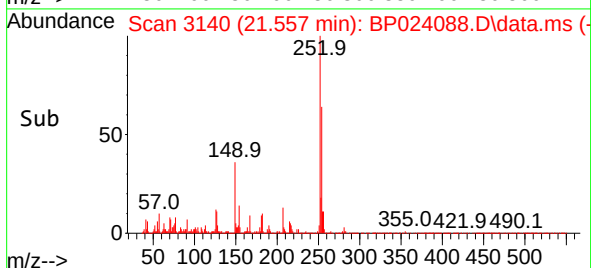
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

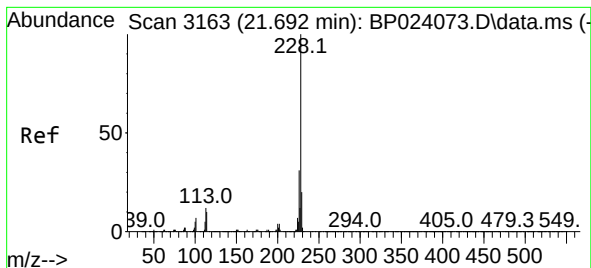


#82
3,3'-Dichlorobenzidine
Concen: 7.676 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.012 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58



Tgt Ion:252 Resp: 168318
Ion Ratio Lower Upper
252 100
254 64.0 52.4 78.6
126 12.1 9.6 14.4





#83

Chrysene

Concen: 8.673 ng

RT: 21.698 min Scan# 3163

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

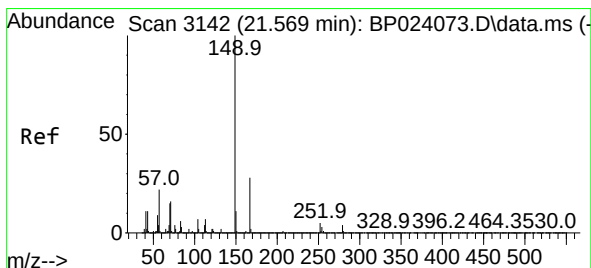
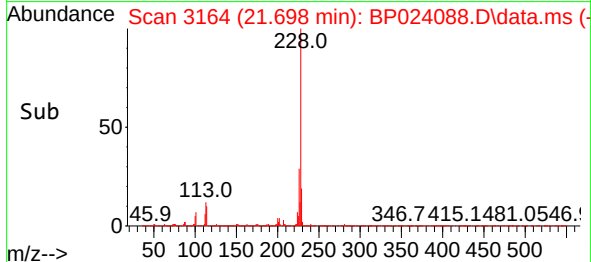
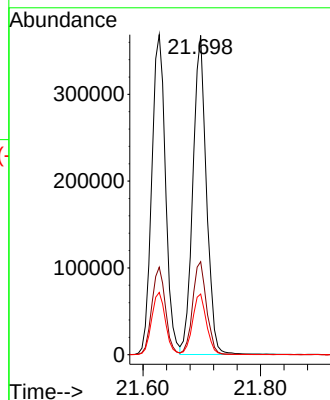
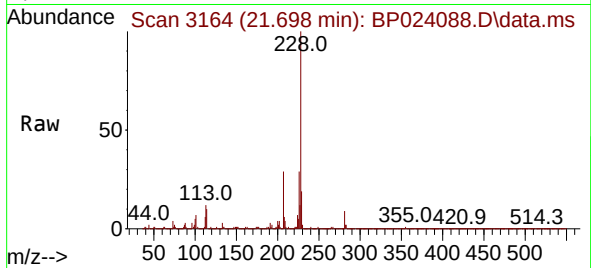
Tgt Ion:	228	Resp:	58691
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.5	36.7
229	19.0	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.380 ng

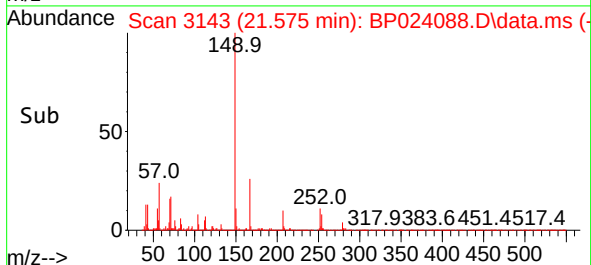
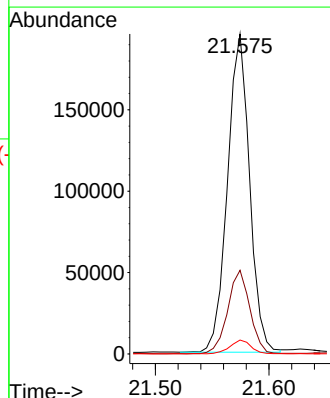
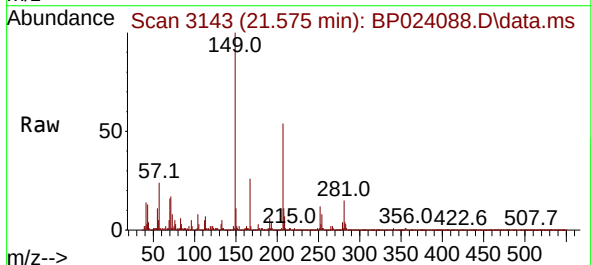
RT: 21.575 min Scan# 3143

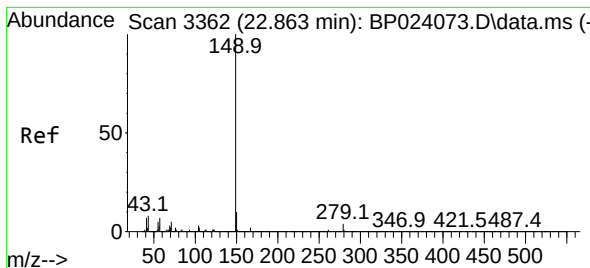
Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:	149	Resp:	263541
Ion Ratio	Lower	Upper	
149	100		
167	26.2	22.2	33.2
279	4.4	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 5.563 ng

RT: 22.869 min Scan# 3362

Delta R.T. 0.006 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

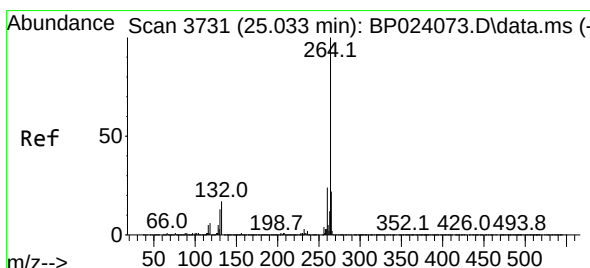
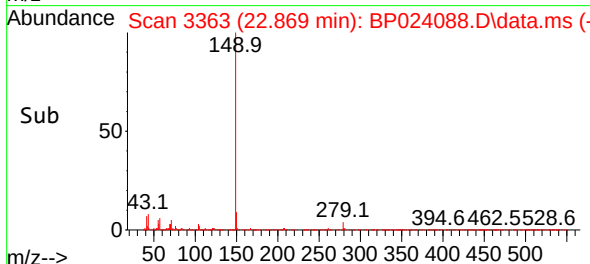
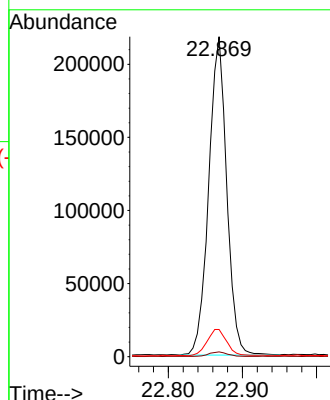
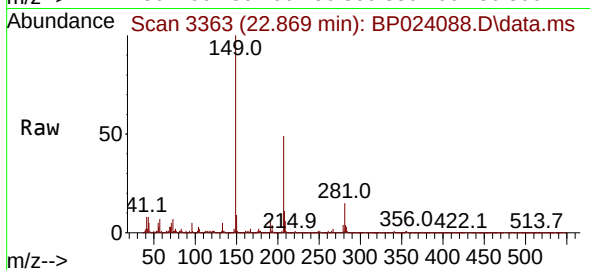
Tgt Ion:	149	Resp:	367329
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	8.9	6.4	9.6

Manual Integrations

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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

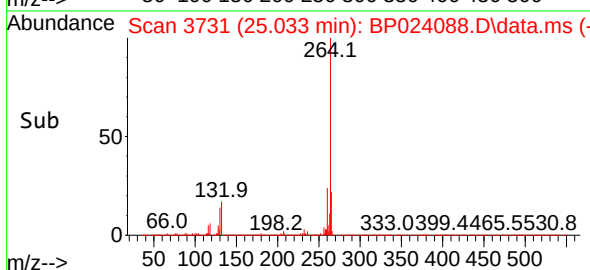
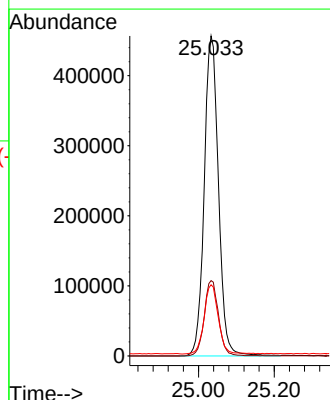
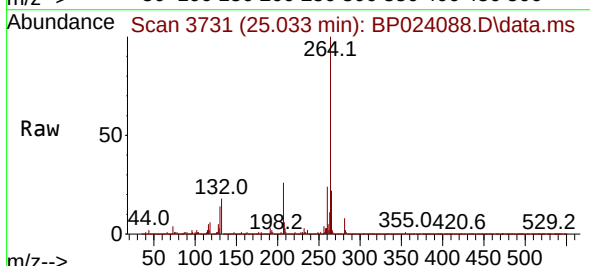
RT: 25.033 min Scan# 3731

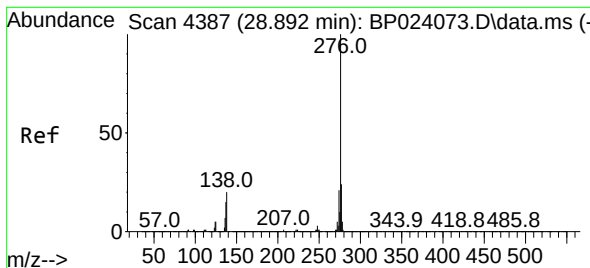
Delta R.T. 0.000 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:	264	Resp:	1190641
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.6
265	22.3	17.8	26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.442 ng m

RT: 28.856 min Scan# 41

Delta R.T. -0.035 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

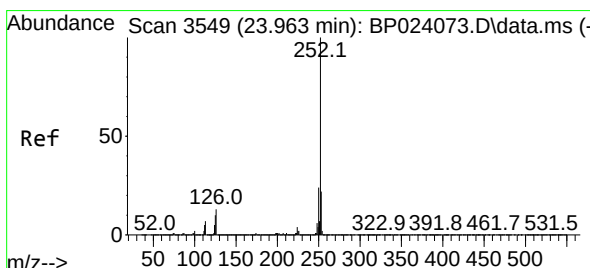
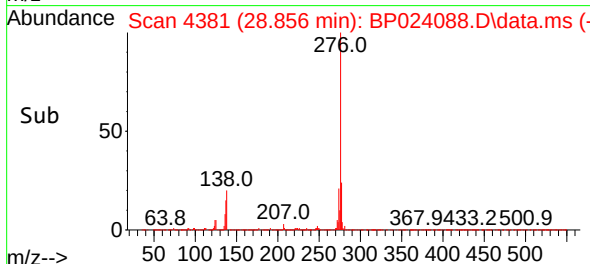
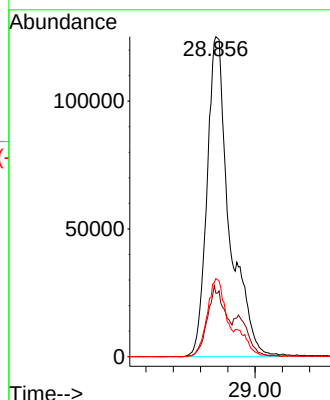
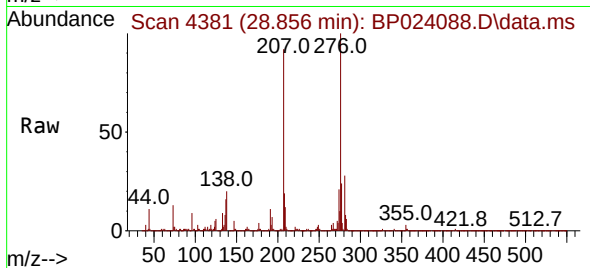
Tgt Ion:	276	Resp:	715054
Ion Ratio	Lower	Upper	
276	100		
138	17.9	14.2	21.4
277	20.3	16.2	24.4

Manual Integrations

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Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#88

Benzo(b)fluoranthene

Concen: 7.736 ng

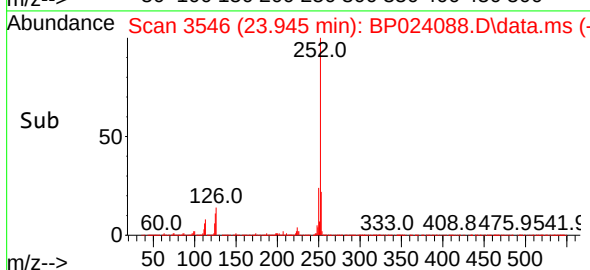
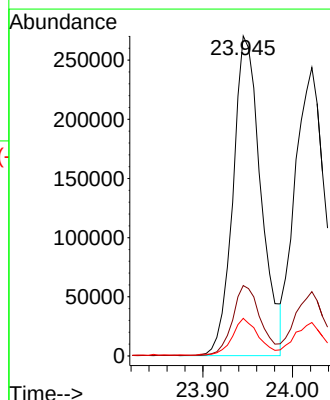
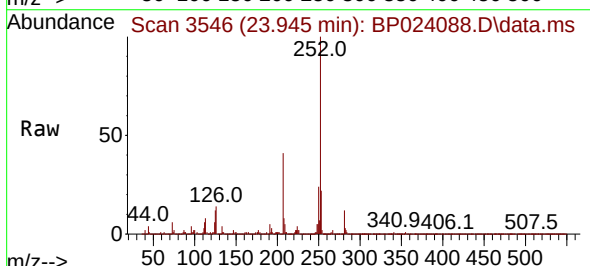
RT: 23.945 min Scan# 3546

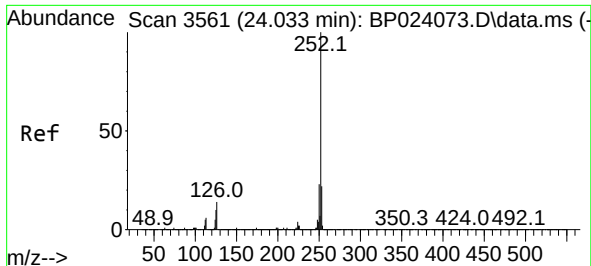
Delta R.T. -0.018 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:	252	Resp:	584917
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	11.7	8.4	12.6





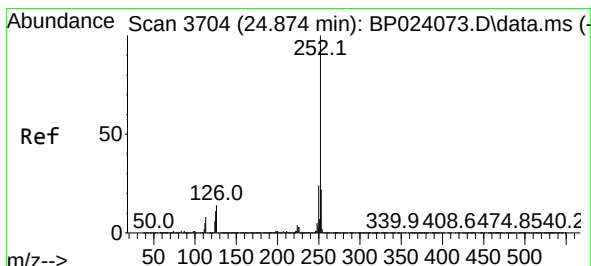
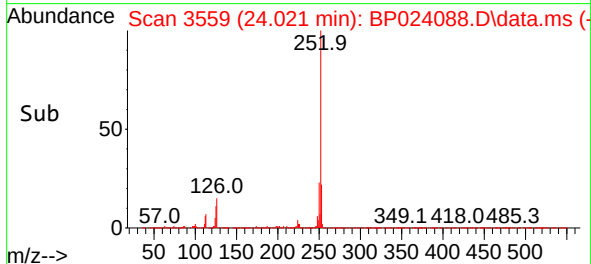
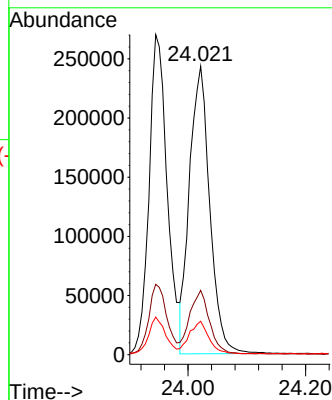
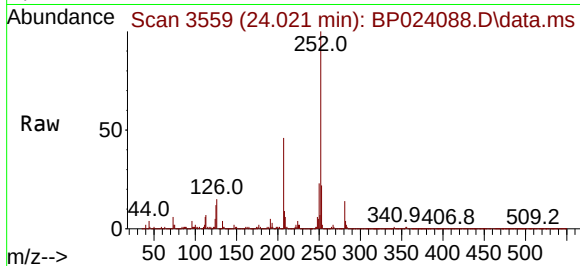
#89
Benzo(k)fluoranthene
Concen: 7.899 ng
RT: 24.021 min Scan# 3559
Delta R.T. -0.012 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

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

Tgt Ion:252 Resp: 58129
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 11.6 8.1 12.1

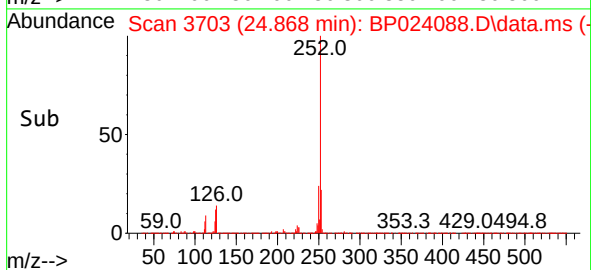
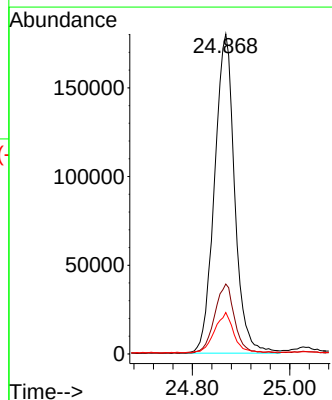
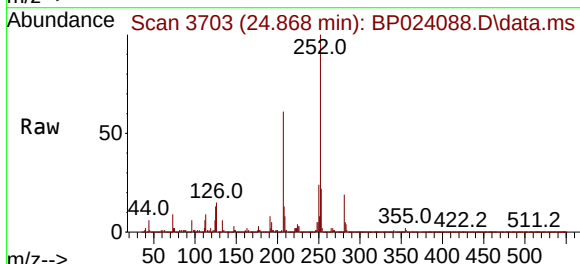
Manual Integrations
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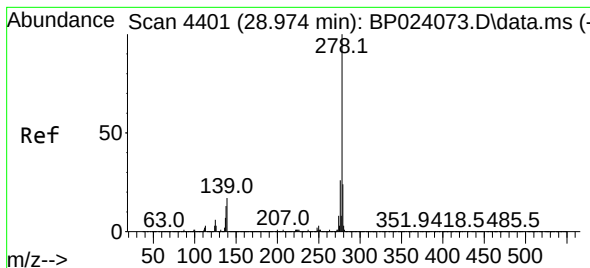
Reviewed By :Rahul Chavli 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#90
Benzo(a)pyrene
Concen: 8.053 ng
RT: 24.868 min Scan# 3703
Delta R.T. -0.006 min
Lab File: BP024088.D
Acq: 18 Feb 2025 17:58

Tgt Ion:252 Resp: 516739
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 13.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 8.263 ng

RT: 28.945 min Scan# 41

Delta R.T. -0.029 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

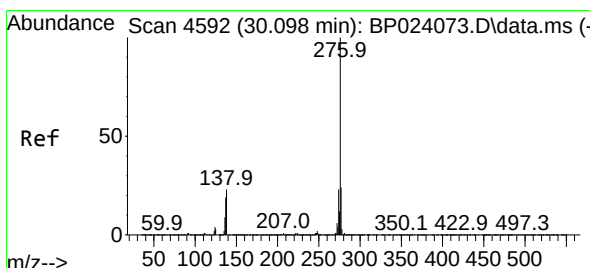
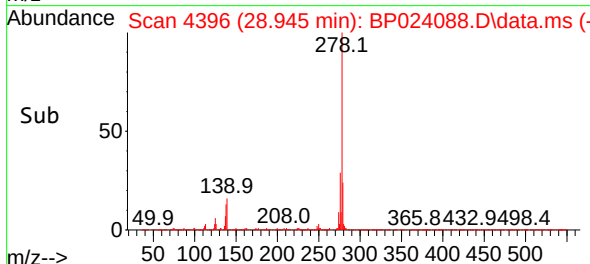
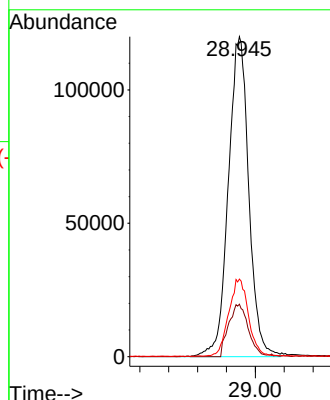
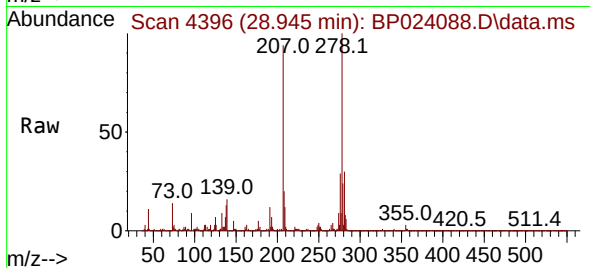
Tgt Ion:	278	Resp:	588489
Ion Ratio	Lower	Upper	
278	100		
139	16.4	13.4	20.0
279	24.3	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#92

Benzo(g,h,i)perylene

Concen: 7.786 ng

RT: 30.027 min Scan# 4580

Delta R.T. -0.071 min

Lab File: BP024088.D

Acq: 18 Feb 2025 17:58

Tgt Ion:	276	Resp:	562676
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.9	28.3
138	24.1	18.1	27.1

