

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024327.D
 Acq On : 17 Apr 2025 15:20
 Operator : RC/JU
 Sample : Q1821-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGMS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025

Quant Time: Apr 17 16:02:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	229439	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	851922	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	480975	20.000	ng	-0.02
64) Phenanthrene-d10	17.157	188	913873	20.000	ng	-0.02
76) Chrysene-d12	21.604	240	1033768	20.000	ng	-0.02
86) Perylene-d12	24.945	264	1271915	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1255693	90.492	ng	0.00
7) Phenol-d6	6.910	99	1539496	81.024	ng	0.00
23) Nitrobenzene-d5	8.869	82	937064	62.720	ng	-0.01
42) 2,4,6-Tribromophenol	15.869	330	559320	84.051	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	1909390	60.783	ng	-0.02
79) Terphenyl-d14	19.875	244	2836041	55.297	ng	-0.05
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	266659	45.432	ng	98
3) Pyridine	3.687	79	556836	35.928	ng	98
4) n-Nitrosodimethylamine	3.593	42	230373	44.788	ng	96
6) Aniline	7.081	93	344004	20.261	ng	99
8) 2-Chlorophenol	7.305	128	662621	42.770	ng	98
9) Benzaldehyde	6.875	77	367442	39.094	ng	99
10) Phenol	6.940	94	816761	42.851	ng	98
11) bis(2-Chloroethyl)ether	7.158	93	637297	41.498	ng	99
12) 1,3-Dichlorobenzene	7.616	146	749699	44.948	ng	100
13) 1,4-Dichlorobenzene	7.758	146	758300	44.809	ng	99
14) 1,2-Dichlorobenzene	8.075	146	718898	43.993	ng	99
15) Benzyl Alcohol	7.963	79	424192	34.522	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.252	45	713066	42.957	ng	98
17) 2-Methylphenol	8.169	107	521104	42.262	ng	99
18) Hexachloroethane	8.793	117	281497	46.028	ng	98
19) n-Nitroso-di-n-propyla...	8.522	70	449824	38.267	ng	100
20) 3+4-Methylphenols	8.493	107	688635	40.250	ng	100
22) Acetophenone	8.540	105	934460	44.317	ng	# 99
24) Nitrobenzene	8.916	77	681436	46.106	ng	99
25) Isophorone	9.434	82	1230155	45.488	ng	100
26) 2-Nitrophenol	9.616	139	332987	46.038	ng	98
27) 2,4-Dimethylphenol	9.681	122	552448	60.830	ng	98
28) bis(2-Chloroethoxy)met...	9.910	93	779833	42.687	ng	100
29) 2,4-Dichlorophenol	10.157	162	535003	43.204	ng	99
30) 1,2,4-Trichlorobenzene	10.357	180	611468	46.088	ng	97
31) Naphthalene	10.551	128	1922443	42.839	ng	99
32) Benzoic acid	9.816	122	361515m	34.162	ng	
33) 4-Chloroaniline	10.699	127	607307m	38.429	ng	
34) Hexachlorobutadiene	10.840	225	365983	46.943	ng	100
35) Caprolactam	11.451	113	172203	37.689	ng	99
36) 4-Chloro-3-methylphenol	11.793	107	567905	39.374	ng	98
37) 2-Methylnaphthalene	12.157	142	1167687	37.519	ng	99
38) 1-Methylnaphthalene	12.375	142	1215065	39.908	ng	100
40) 1,2,4,5-Tetrachloroben...	12.528	216	623657	47.151	ng	98
41) Hexachlorocyclopentadiene	12.510	237	895651	191.461	ng	98
43) 2,4,6-Trichlorophenol	12.775	196	402264	45.743	ng	98

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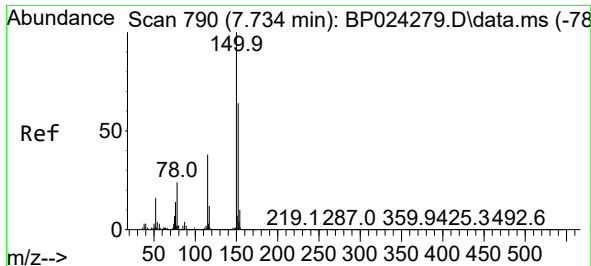
Manual Integrations
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.851	196	435330	44.704	ng	99
46) 1,1'-Biphenyl	13.175	154	1579506	44.677	ng	100
47) 2-Chloronaphthalene	13.216	162	1216254	46.030	ng	99
48) 2-Nitroaniline	13.422	65	347040	46.822	ng	92
49) Acenaphthylene	14.075	152	1993630	47.922	ng	100
50) Dimethylphthalate	13.810	163	1458860	41.709	ng	99
51) 2,6-Dinitrotoluene	13.928	165	319052	42.956	ng	98
52) Acenaphthene	14.416	154	1122585	42.564	ng	100
53) 3-Nitroaniline	14.269	138	337302	43.209	ng	100
54) 2,4-Dinitrophenol	14.469	184	403623	92.255	ng	96
55) Dibenzofuran	14.751	168	1770106	41.060	ng	99
56) 4-Nitrophenol	14.587	139	597373	88.606	ng	94
57) 2,4-Dinitrotoluene	14.728	165	455959	45.003	ng	98
58) Fluorene	15.416	166	1436663	43.049	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.987	232	383539	42.703	ng	99
60) Diethylphthalate	15.192	149	1494111	41.451	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	686013	42.331	ng	99
62) 4-Nitroaniline	15.439	138	353015	42.718	ng	95
63) Azobenzene	15.710	77	1637510	49.428	ng	98
65) 4,6-Dinitro-2-methylph...	15.504	198	255384	44.325	ng	96
66) n-Nitrosodiphenylamine	15.634	169	1216932	44.614	ng	99
67) 4-Bromophenyl-phenylether	16.322	248	445466	44.570	ng	98
68) Hexachlorobenzene	16.439	284	531777	44.775	ng	96
69) Atrazine	16.622	200	397973	57.285	ng	99
70) Pentachlorophenol	16.798	266	731583	88.297	ng	99
71) Phenanthrene	17.198	178	2212223	44.374	ng	99
72) Anthracene	17.292	178	2255303	46.937	ng	99
73) Carbazole	17.575	167	2100348	44.738	ng	100
74) Di-n-butylphthalate	18.163	149	2623835	44.859	ng	100
75) Fluoranthene	19.286	202	2642023	44.558	ng	99
77) Benzidine	19.492	184	1301862	99.349	ng	100
78) Pyrene	19.663	202	2794585	42.537	ng	99
80) Butylbenzylphthalate	20.610	149	1284880	45.661	ng	98
81) Benzo(a)anthracene	21.580	228	2968621	46.201	ng	100
82) 3,3'-Dichlorobenzidine	21.510	252	881418	39.083	ng	100
83) Chrysene	21.651	228	2759501	44.827	ng	100
84) Bis(2-ethylhexyl)phtha...	21.527	149	1895349	45.946	ng	100
85) Di-n-octyl phthalate	22.810	149	3347688	49.918	ng	100
87) Indeno(1,2,3-cd)pyrene	28.774	276	4413685	49.984	ng	100
88) Benzo(b)fluoranthene	23.898	252	3260338	42.764	ng	100
89) Benzo(k)fluoranthene	23.968	252	3272022	44.431	ng	100
90) Benzo(a)pyrene	24.792	252	3185071	48.432	ng	100
91) Dibenzo(a,h)anthracene	28.839	278	3600668	49.127	ng	99
92) Benzo(g,h,i)perylene	29.933	276	3565495	47.794	ng	99

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



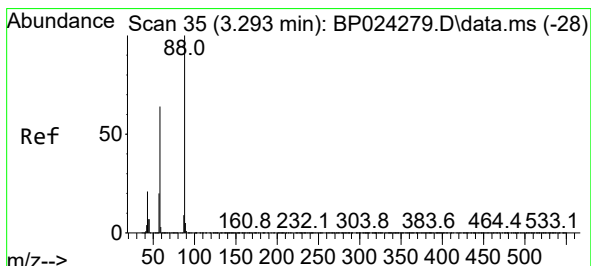
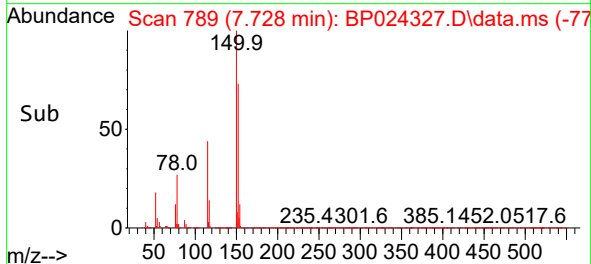
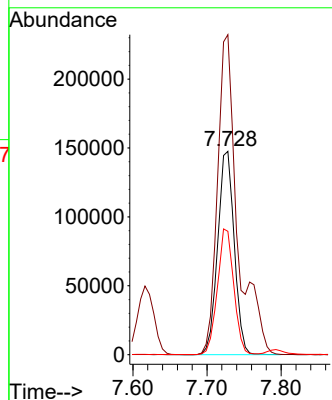
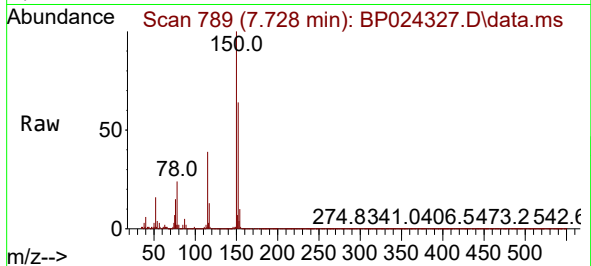
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 70
Delta R.T. 0.000 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion:152 Resp: 229439
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 60.7 47.7 71.5

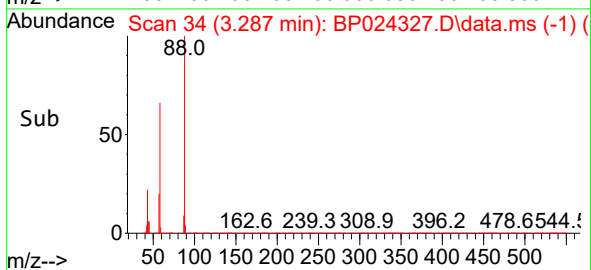
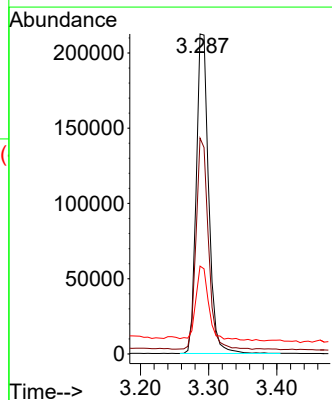
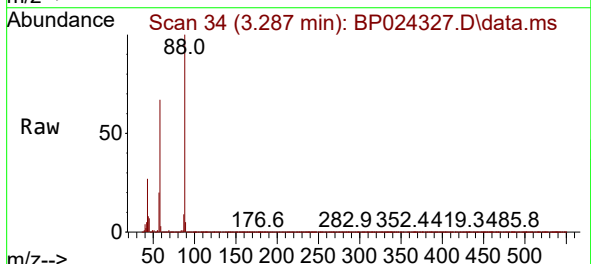
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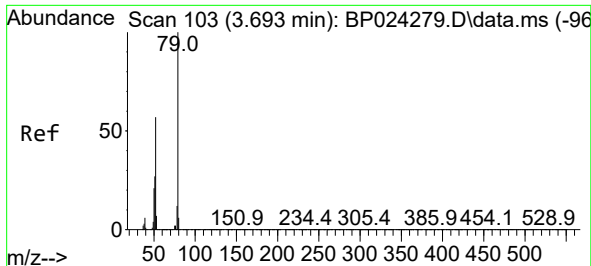
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#2
1,4-Dioxane
Concen: 45.432 ng
RT: 3.287 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

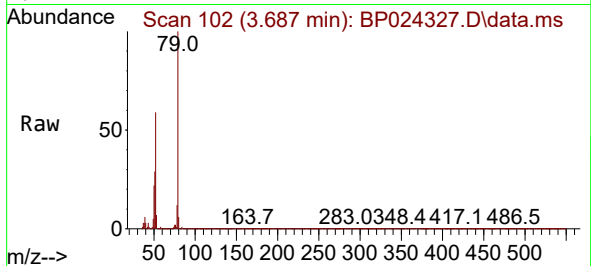
Tgt Ion: 88 Resp: 266659
Ion Ratio Lower Upper
88 100
58 65.5 51.4 77.2
43 23.5 17.1 25.7





#3
Pyridine
Concen: 35.928 ng
RT: 3.687 min Scan# 103
Delta R.T. 0.000 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

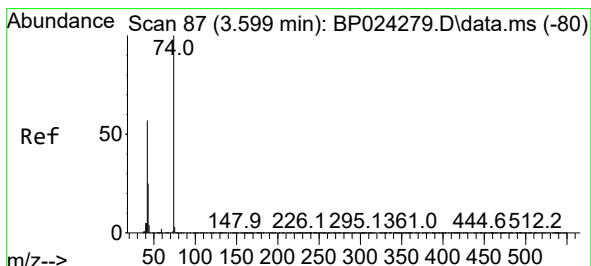
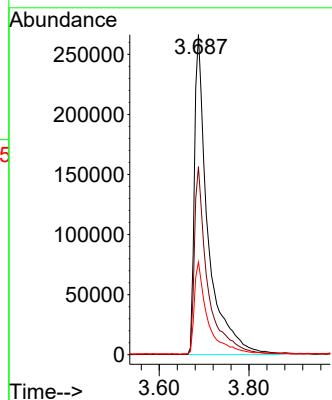
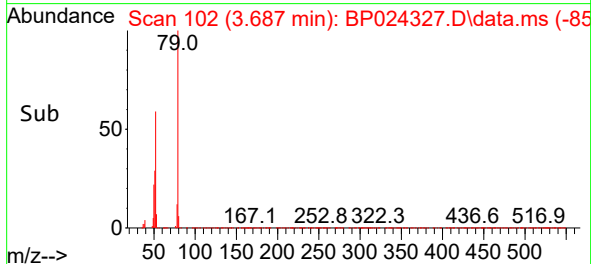
Instrument :
BNA_P
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SOIL-CUTTINGMS



Tgt Ion: 79 Resp: 556830
Ion Ratio Lower Upper
79 100
52 58.7 45.4 68.2
51 28.9 22.6 33.8

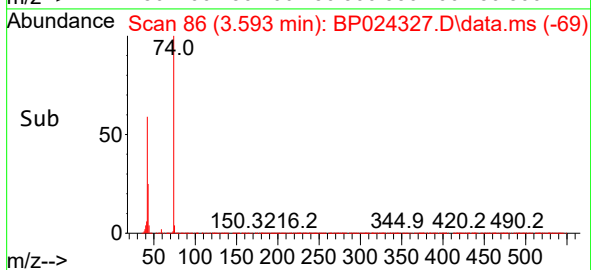
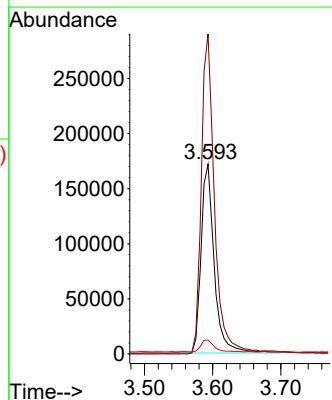
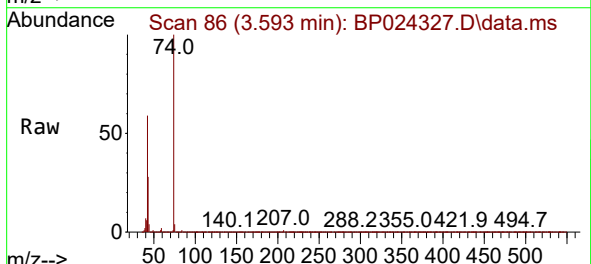
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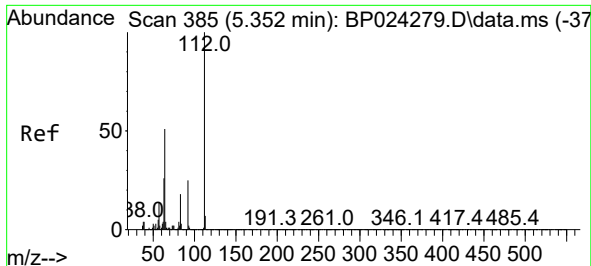
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#4
n-Nitrosodimethylamine
Concen: 44.788 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion: 42 Resp: 230373
Ion Ratio Lower Upper
42 100
74 168.7 139.5 209.3
44 7.4 5.8 8.8





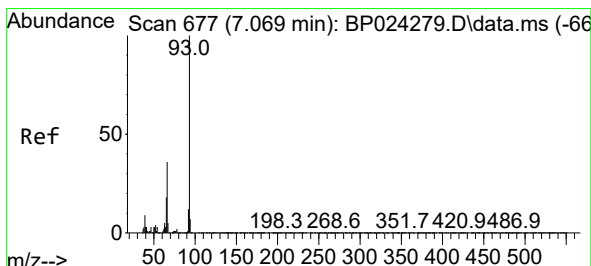
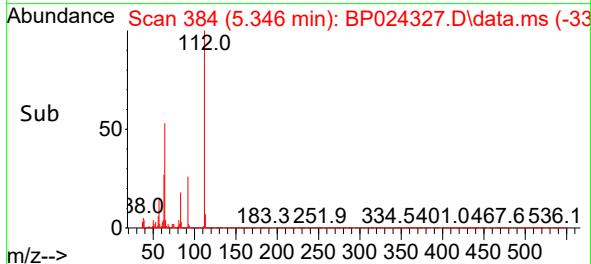
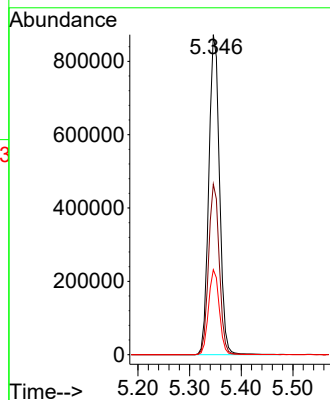
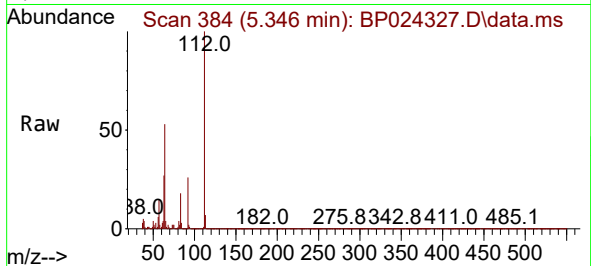
#5
2-Fluorophenol
Concen: 90.492 ng
RT: 5.346 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion:112 Resp: 125569
Ion Ratio Lower Upper
112 100
64 53.3 41.1 61.7
63 26.6 20.6 30.8

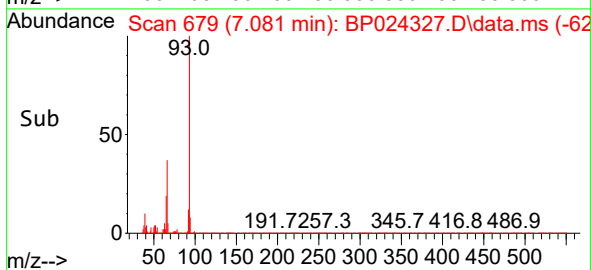
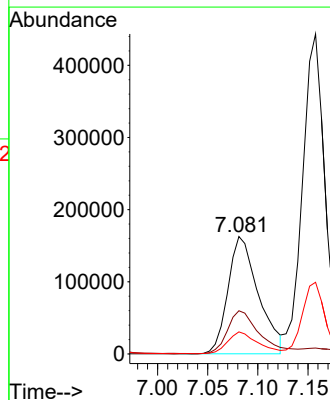
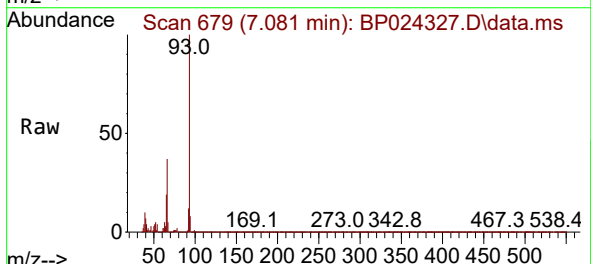
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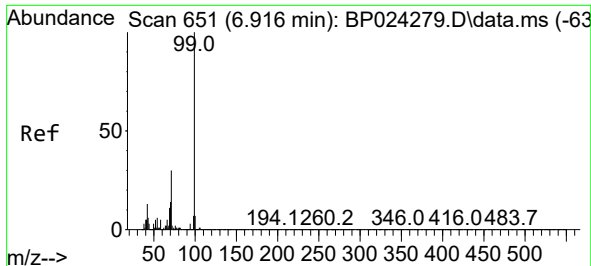
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#6
Aniline
Concen: 20.261 ng
RT: 7.081 min Scan# 679
Delta R.T. 0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

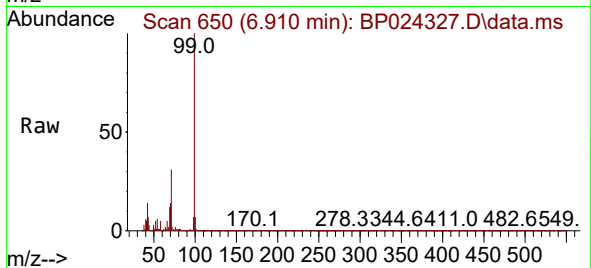
Tgt Ion: 93 Resp: 344004
Ion Ratio Lower Upper
93 100
66 36.8 29.1 43.7
65 18.8 14.7 22.1





#7
Phenol-d6
Concen: 81.024 ng
RT: 6.910 min Scan# 651
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

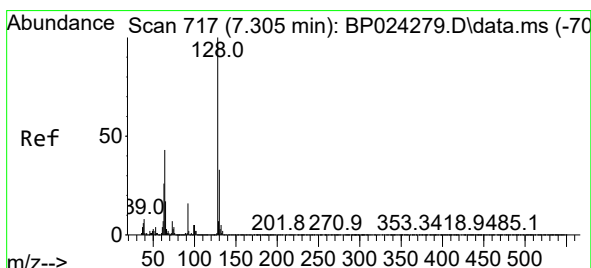
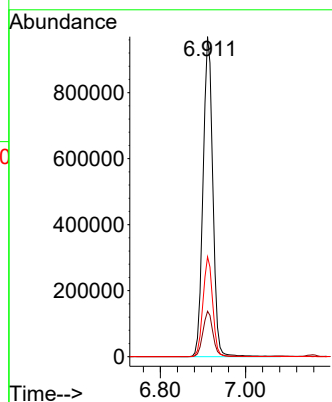
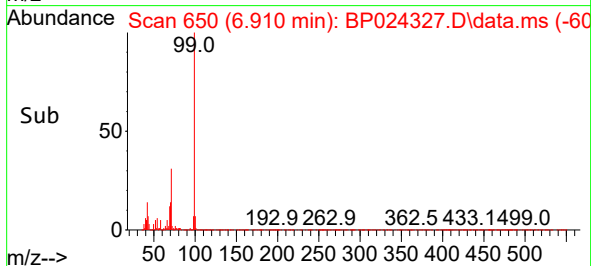
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Tgt Ion: 99 Resp: 1539490
Ion Ratio Lower Upper
99 100
42 14.2 10.6 16.0
71 31.2 23.7 35.5

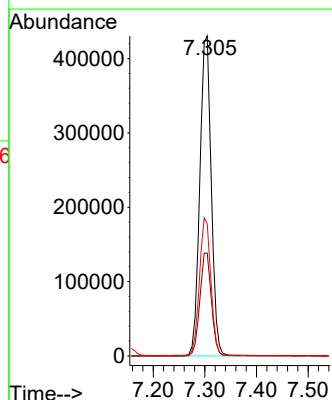
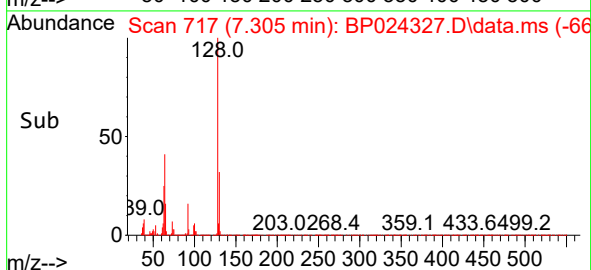
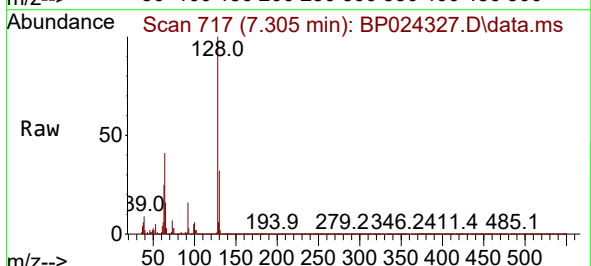
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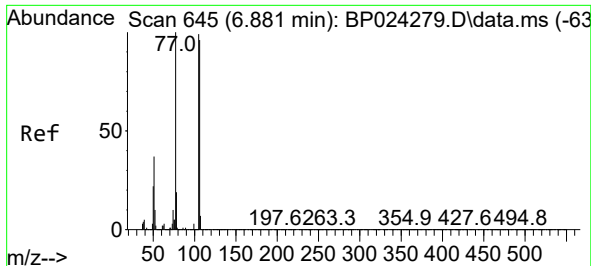
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#8
2-Chlorophenol
Concen: 42.770 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion:128 Resp: 662621
Ion Ratio Lower Upper
128 100
130 32.1 12.9 52.9
64 41.2 22.7 62.7





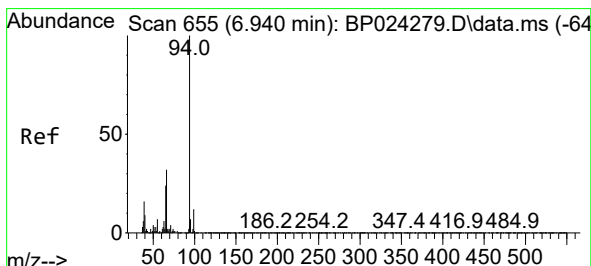
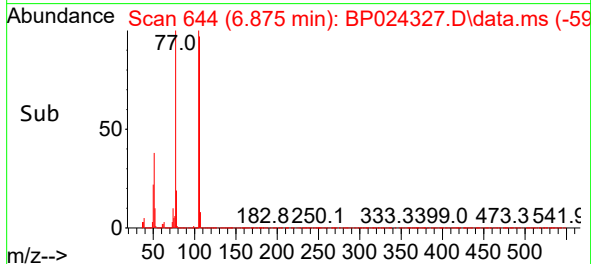
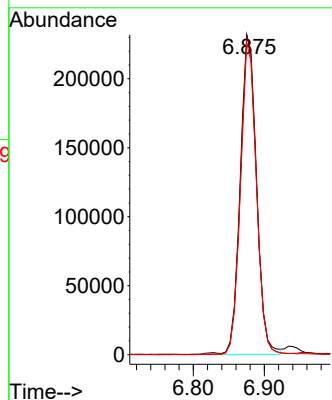
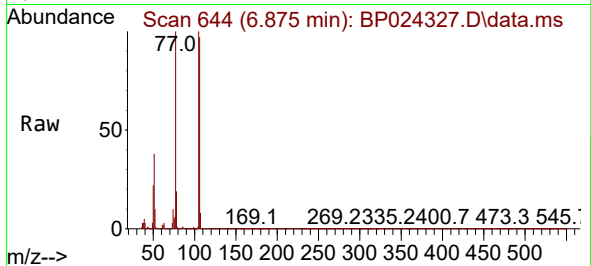
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Benzaldehyde
Concen: 39.094 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
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ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion: 77 Resp: 36744
Ion Ratio Lower Upper
77 100
105 99.5 79.2 119.2
106 97.4 76.2 116.2

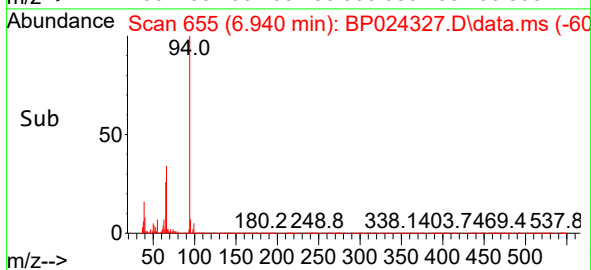
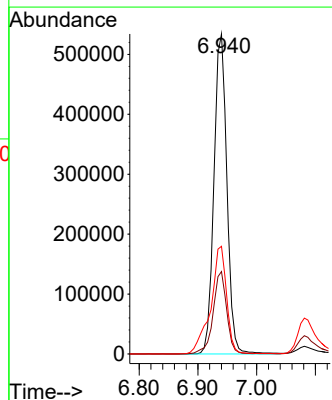
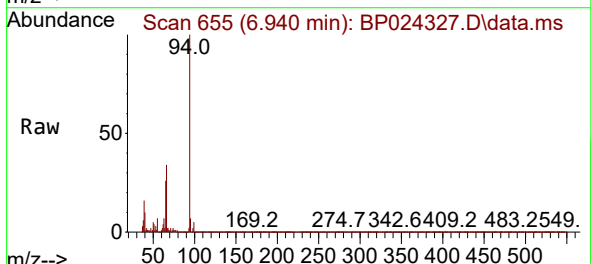
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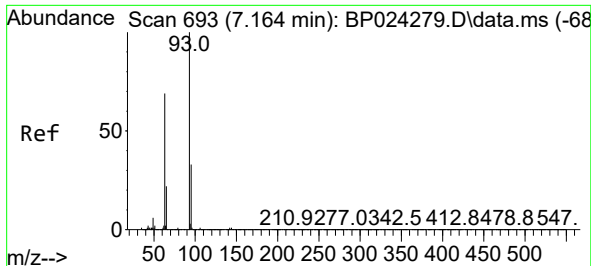
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#10
Phenol
Concen: 42.851 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion: 94 Resp: 816761
Ion Ratio Lower Upper
94 100
65 25.8 4.5 44.5
66 33.7 12.4 52.4





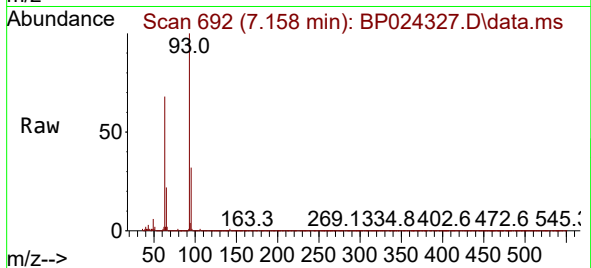
#11
bis(2-Chloroethyl)ether
Concen: 41.498 ng
RT: 7.158 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



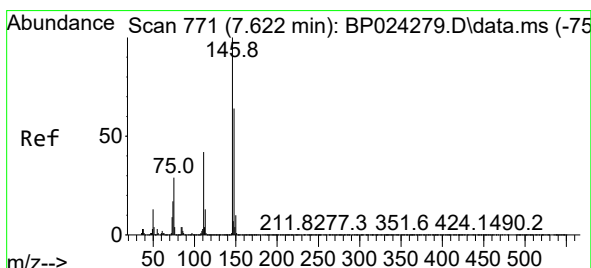
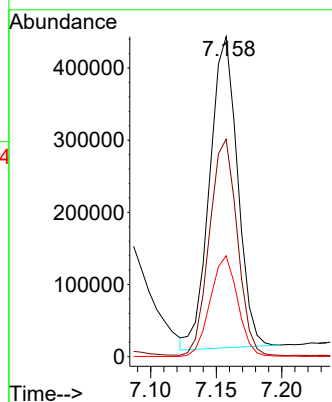
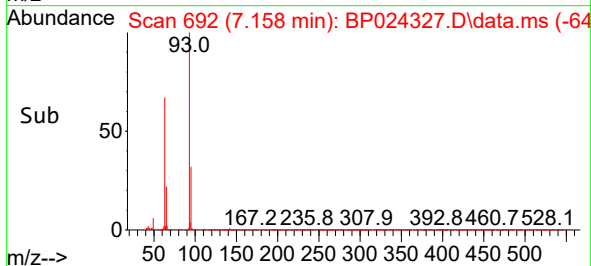
Tgt Ion: 93 Resp: 637297
Ion Ratio Lower Upper
93 100
63 68.0 48.6 88.6
95 31.6 12.3 52.3

Manual Integrations

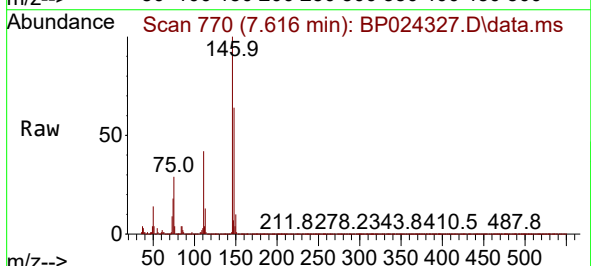
APPROVED

Reviewed By :Rahul Chavli 04/18/2025

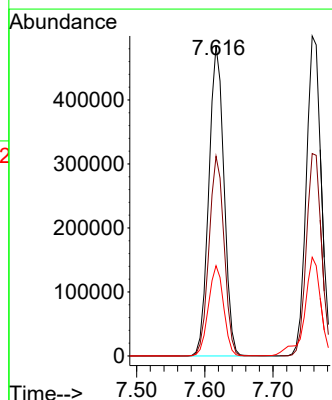
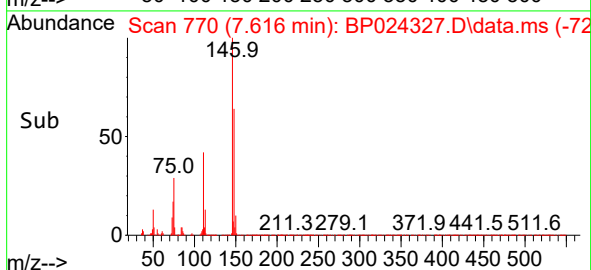
Supervised By :Jagrut Upadhyay 04/18/2025

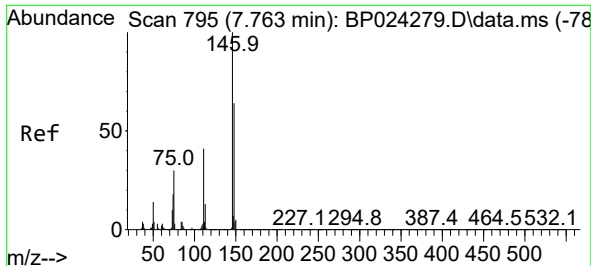


#12
1,3-Dichlorobenzene
Concen: 44.948 ng
RT: 7.616 min Scan# 770
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



Tgt Ion:146 Resp: 749699
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.0
75 29.1 22.9 34.3





#13

1,4-Dichlorobenzene

Concen: 44.809 ng

RT: 7.758 min Scan# 794

Delta R.T. -0.006 min

Lab File: BP024327.D

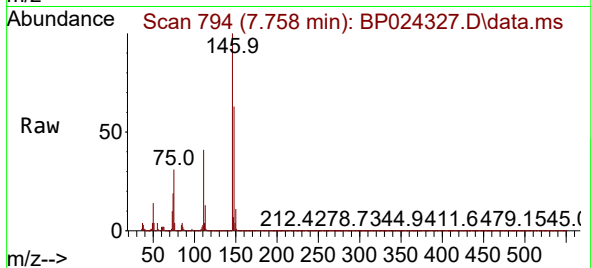
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



Tgt Ion:146 Resp: 758300

Ion Ratio Lower Upper

146 100

148 63.2 51.1 76.7

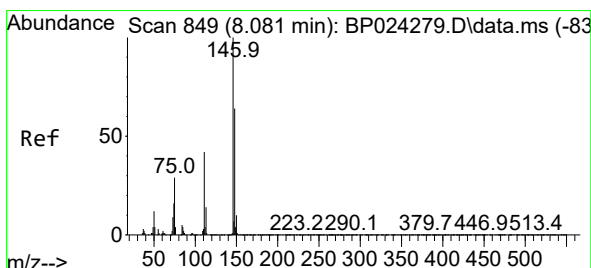
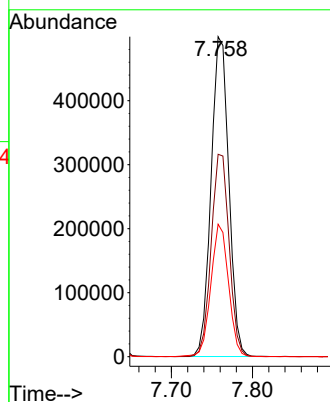
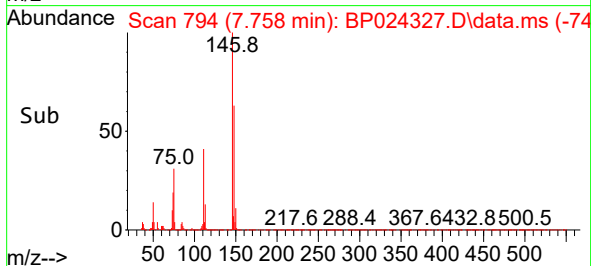
111 41.4 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#14

1,2-Dichlorobenzene

Concen: 43.993 ng

RT: 8.075 min Scan# 848

Delta R.T. 0.000 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

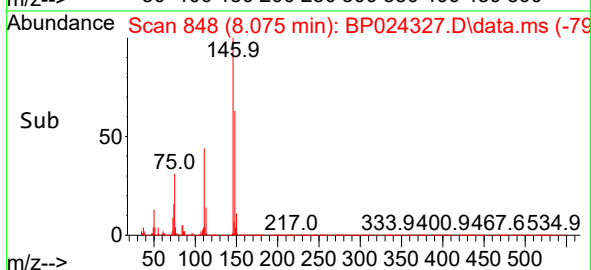
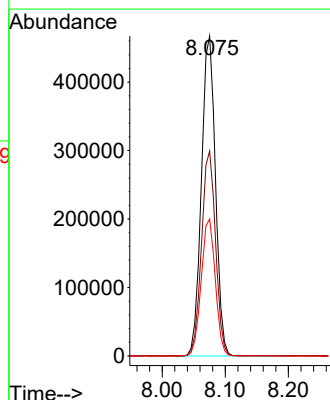
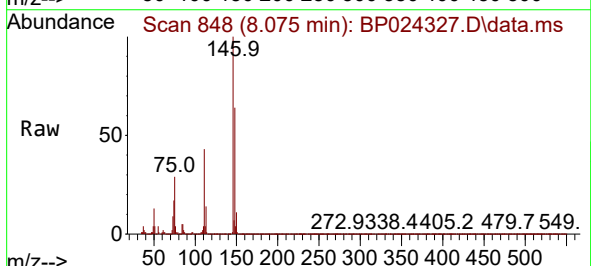
Tgt Ion:146 Resp: 718898

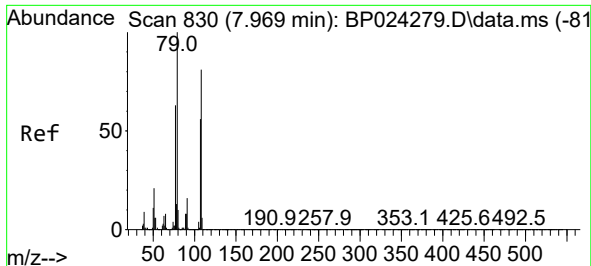
Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.4

111 42.8 33.8 50.8





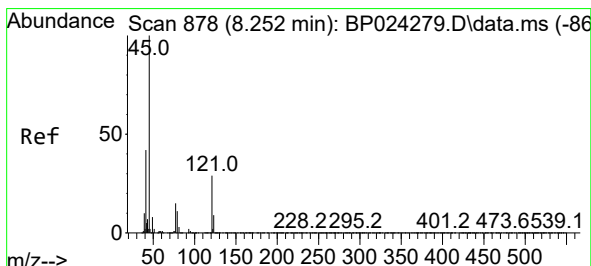
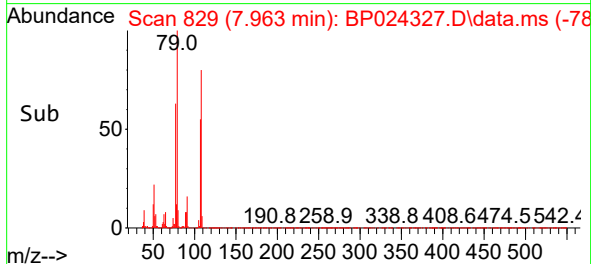
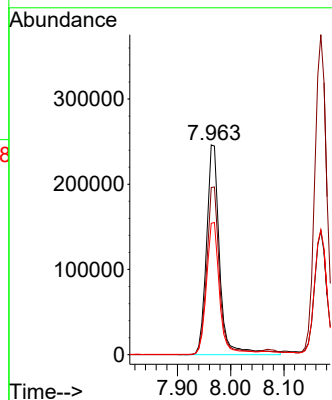
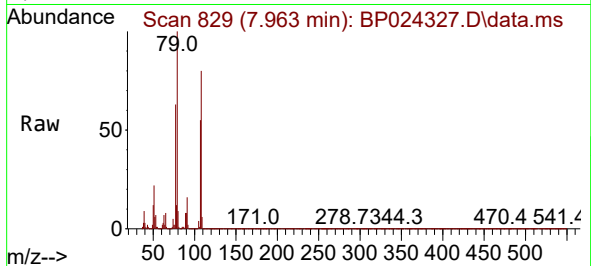
#15
Benzyl Alcohol
Concen: 34.522 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion: 79 Resp: 424192
Ion Ratio Lower Upper
79 100
108 79.7 65.1 97.7
77 62.6 50.7 76.1

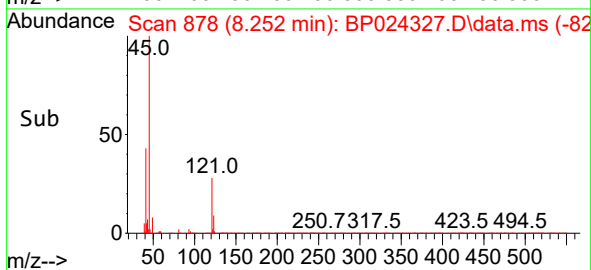
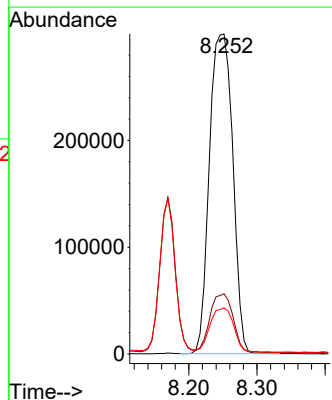
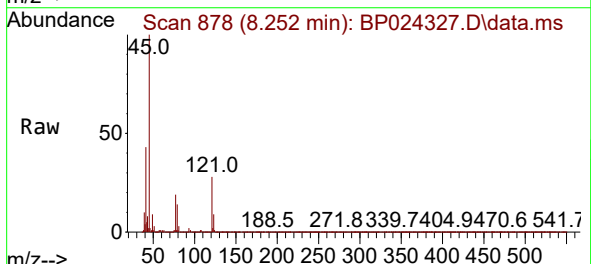
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.957 ng
RT: 8.252 min Scan# 878
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion: 45 Resp: 713066
Ion Ratio Lower Upper
45 100
77 18.8 0.0 37.7
79 14.4 0.0 33.5





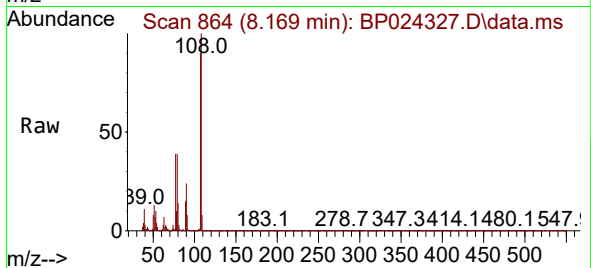
#17
2-Methylphenol
Concen: 42.262 ng
RT: 8.169 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



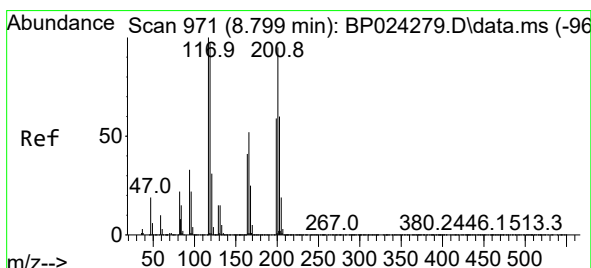
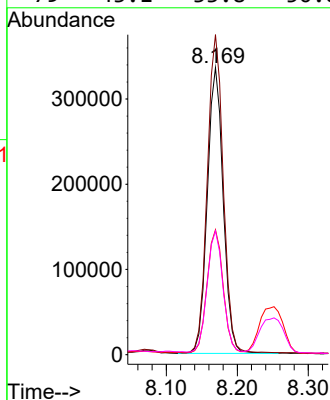
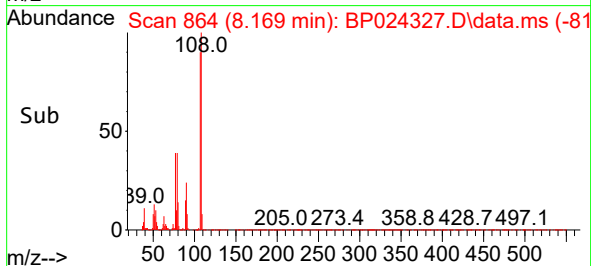
Tgt Ion:107 Resp: 521104
Ion Ratio Lower Upper
107 100
108 111.5 89.8 134.6
77 43.5 34.2 51.4
79 43.1 33.8 50.8

Manual Integrations

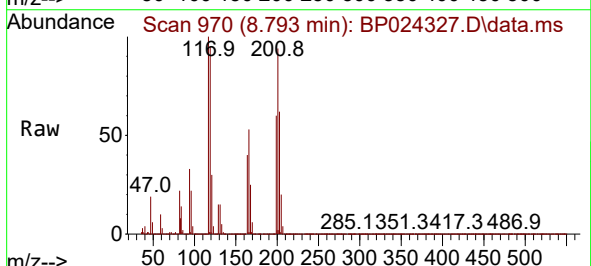
APPROVED

Reviewed By :Rahul Chavli 04/18/2025

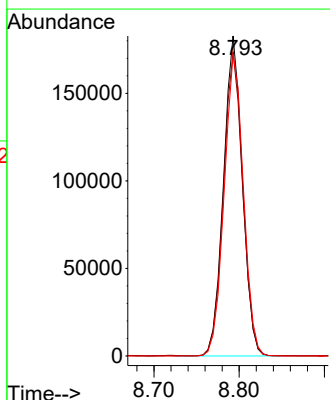
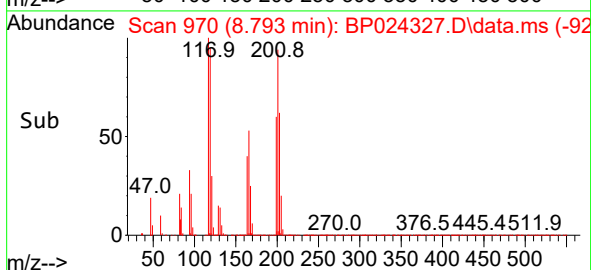
Supervised By :Jagrut Upadhyay 04/18/2025



#18
Hexachloroethane
Concen: 46.028 ng
RT: 8.793 min Scan# 970
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



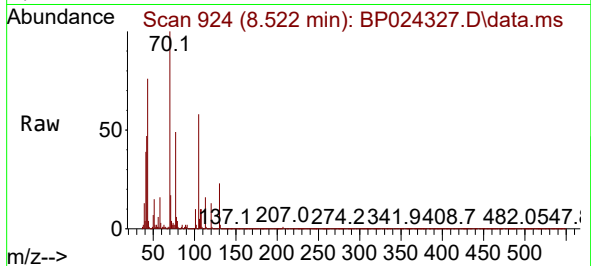
Tgt Ion:117 Resp: 281497
Ion Ratio Lower Upper
117 100
119 95.0 77.8 116.6
201 94.2 75.9 113.9





#19
n-Nitroso-di-n-propylamine
Concen: 38.267 ng
RT: 8.522 min Scan# 919
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

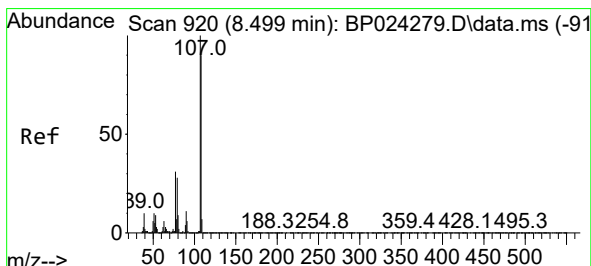
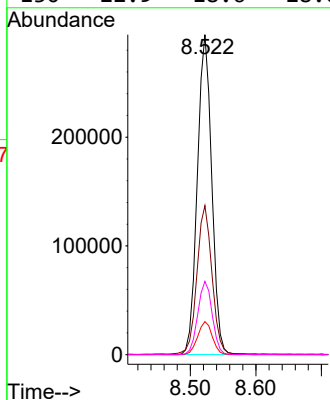
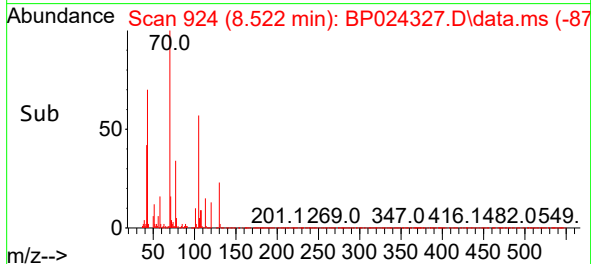
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



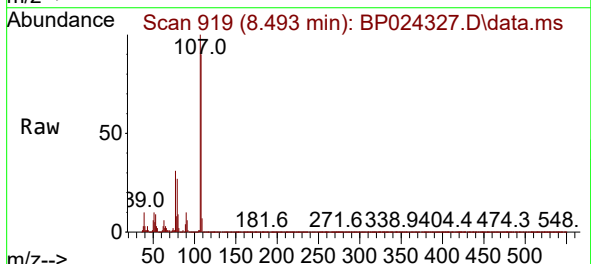
Tgt Ion: 70 Resp: 449824
Ion Ratio Lower Upper
70 100
42 46.6 37.3 55.9
101 10.3 8.2 12.4
130 22.9 18.6 28.0

Manual Integrations
APPROVED

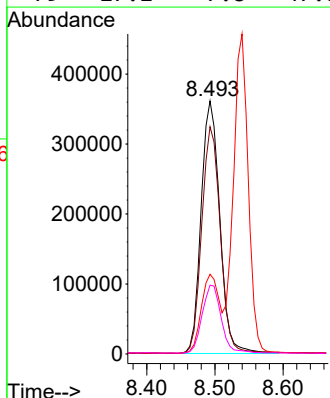
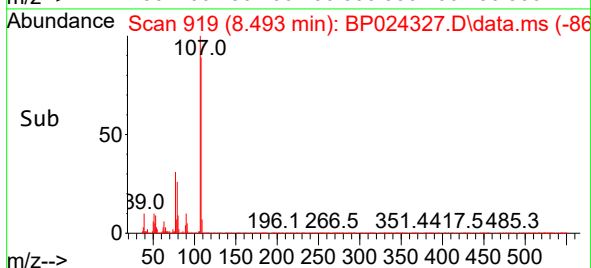
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

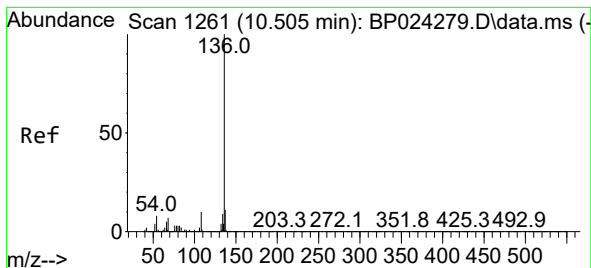


#20
3+4-Methylphenols
Concen: 40.250 ng
RT: 8.493 min Scan# 919
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



Tgt Ion:107 Resp: 688635
Ion Ratio Lower Upper
107 100
108 89.8 69.8 109.8
77 31.5 11.5 51.5
79 27.2 7.8 47.8





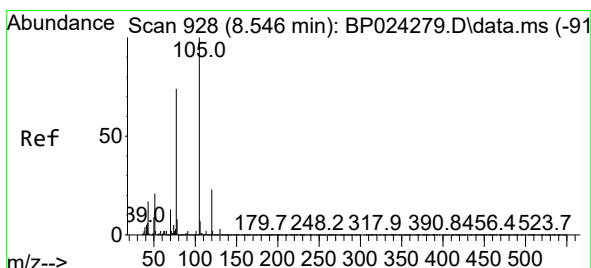
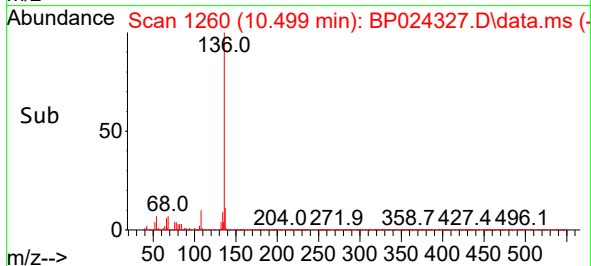
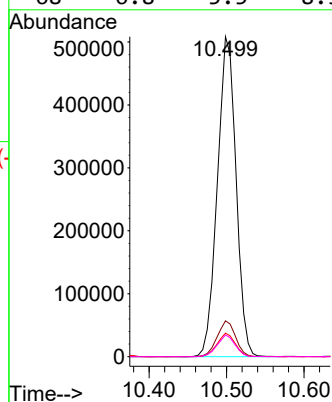
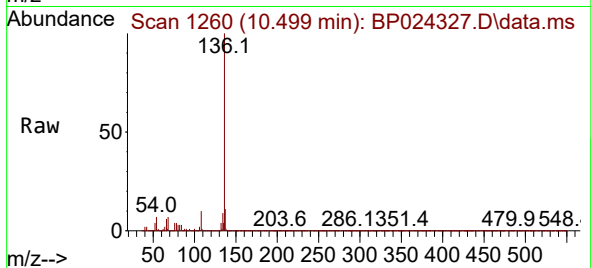
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion:	136	Resp:	85192
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	7.3	6.0	9.0
68	6.8	5.5	8.3

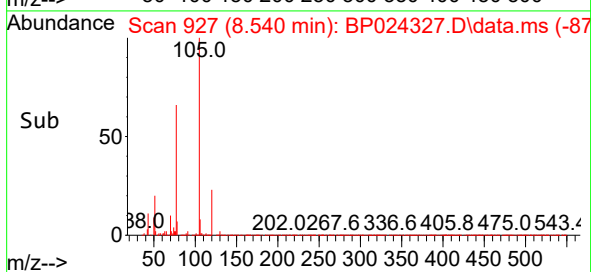
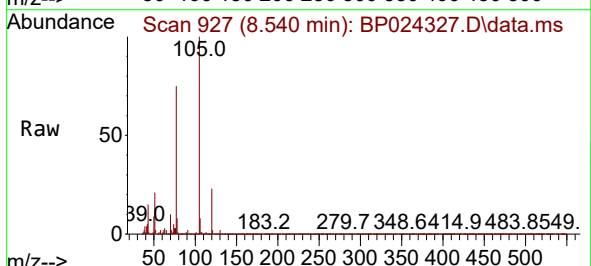
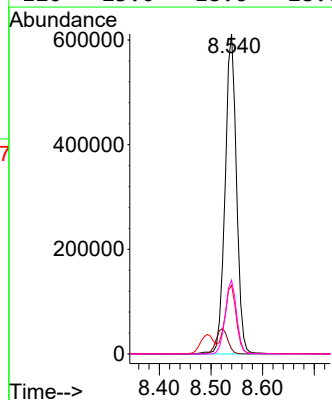
Manual Integrations
APPROVED

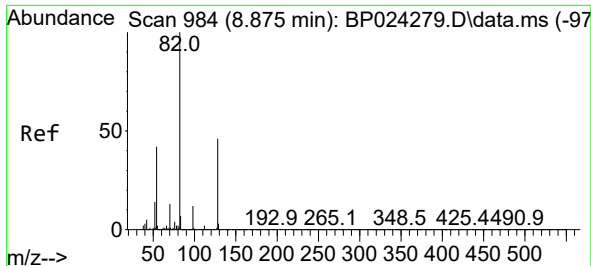
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#22
Acetophenone
Concen: 44.317 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion:	105	Resp:	934460
Ion Ratio	Lower	Upper	
105	100		
71	1.6	1.7	2.5
51	21.5	16.9	25.3
120	23.0	18.6	28.0





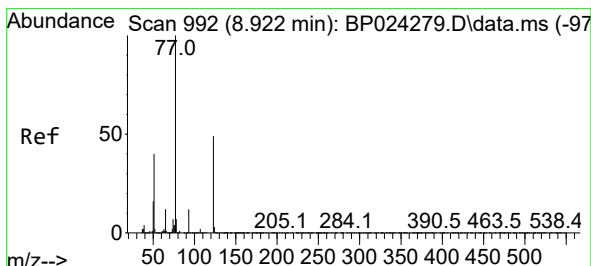
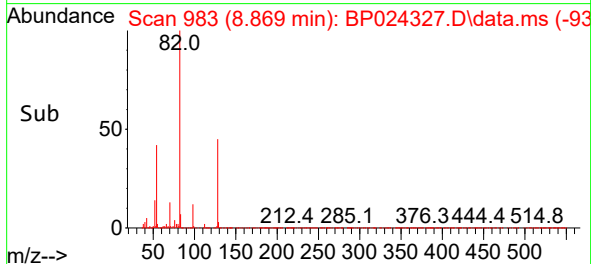
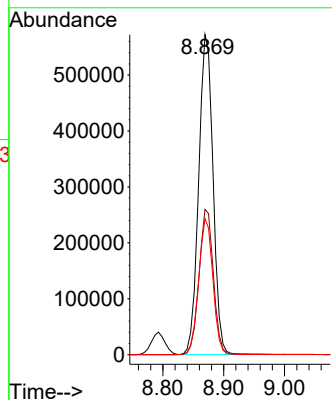
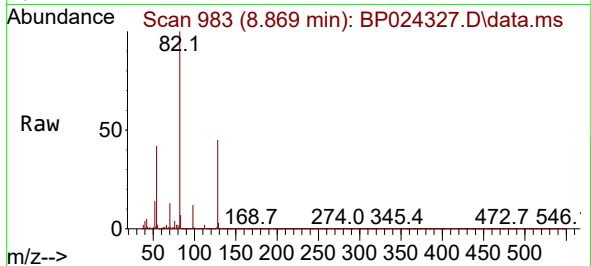
#23
Nitrobenzene-d5
Concen: 62.720 ng
RT: 8.869 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion: 82 Resp: 937064
Ion Ratio Lower Upper
82 100
128 45.4 36.5 54.7
54 42.5 33.4 50.2

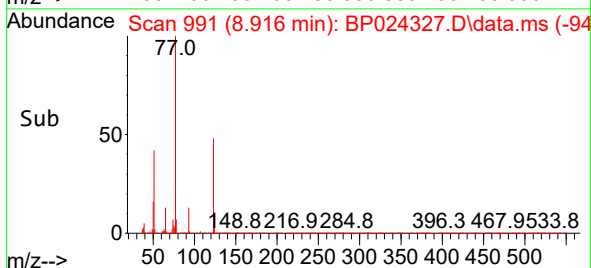
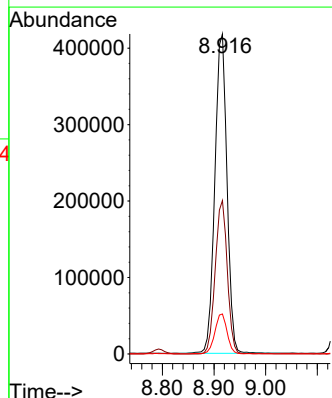
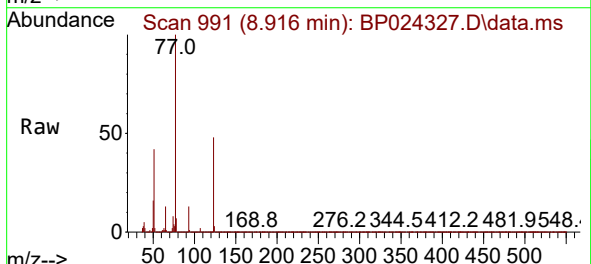
Manual Integrations
APPROVED

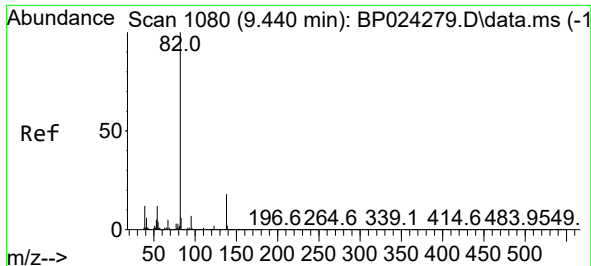
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#24
Nitrobenzene
Concen: 46.106 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion: 77 Resp: 681436
Ion Ratio Lower Upper
77 100
123 47.9 39.2 58.8
65 12.5 9.8 14.6





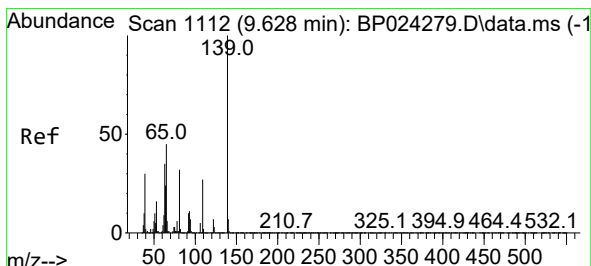
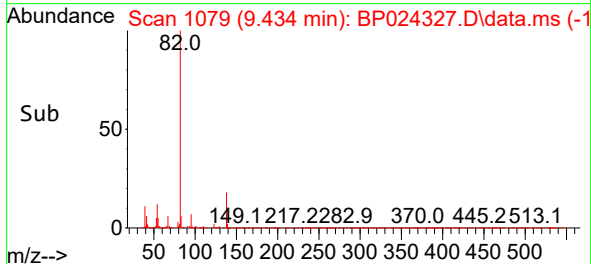
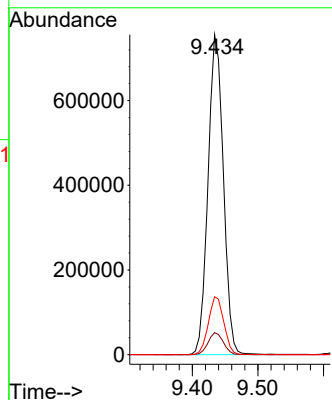
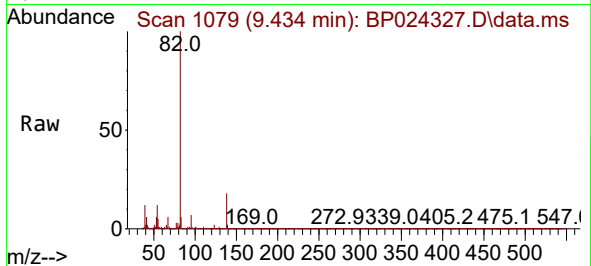
#25
Isophorone
Concen: 45.488 ng
RT: 9.434 min Scan# 1080
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion: 82 Resp: 123015
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 18.1 14.4 21.6

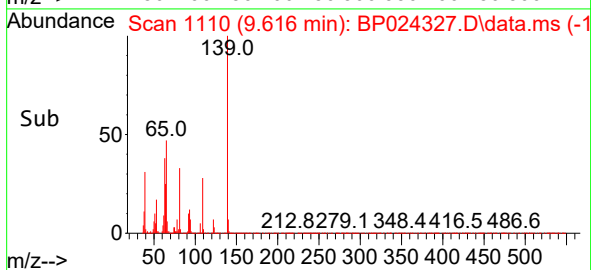
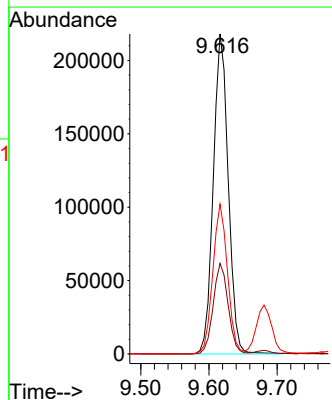
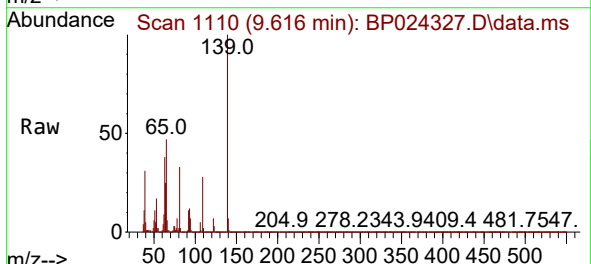
Manual Integrations
APPROVED

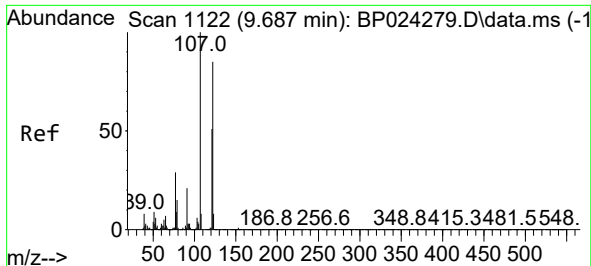
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#26
2-Nitrophenol
Concen: 46.038 ng
RT: 9.616 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion:139 Resp: 332987
Ion Ratio Lower Upper
139 100
109 28.3 21.8 32.6
65 46.8 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 60.830 ng

RT: 9.681 min Scan# 1122

Delta R.T. -0.012 min

Lab File: BP024327.D

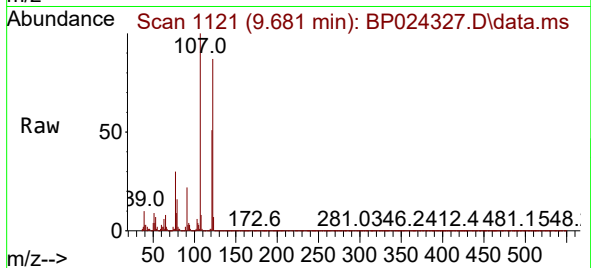
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



Tgt Ion:122 Resp: 552448

Ion Ratio Lower Upper

122 100

107 114.4 93.7 140.5

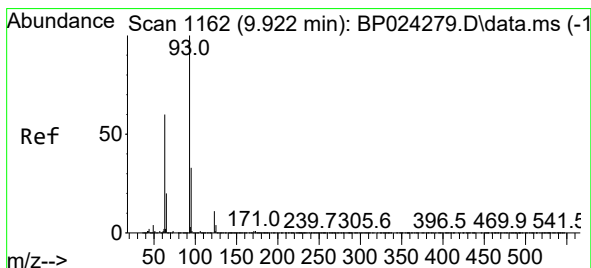
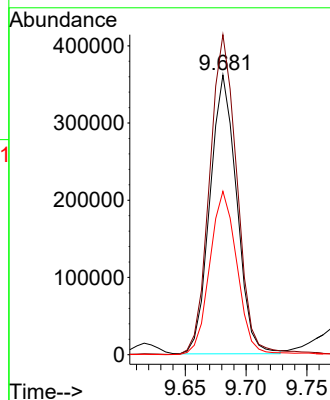
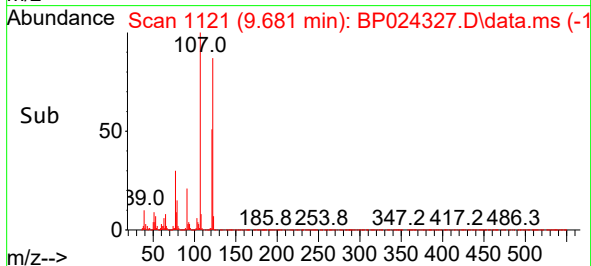
121 58.4 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 42.687 ng

RT: 9.910 min Scan# 1160

Delta R.T. -0.012 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

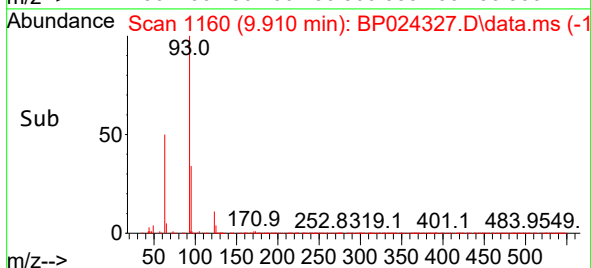
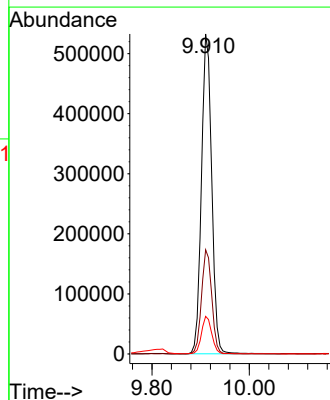
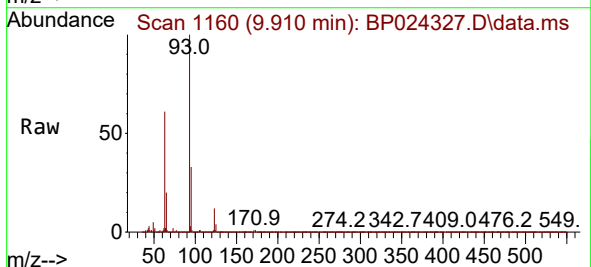
Tgt Ion: 93 Resp: 779833

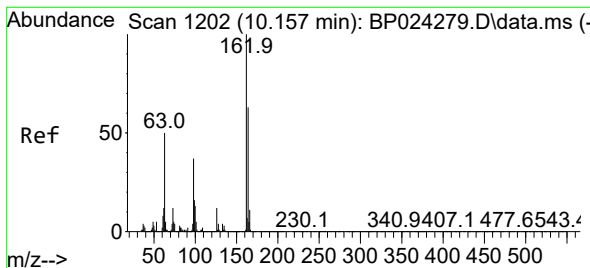
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

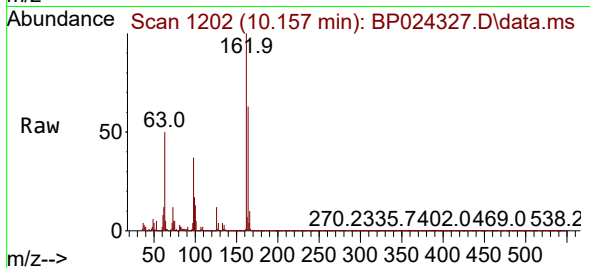
123 11.8 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 43.204 ng
RT: 10.157 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

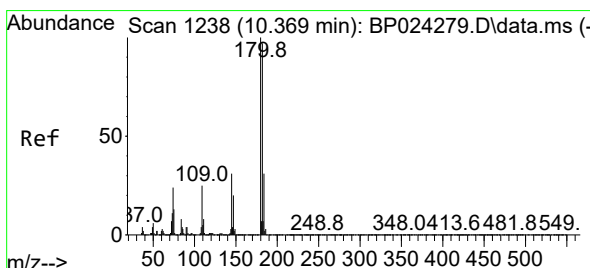
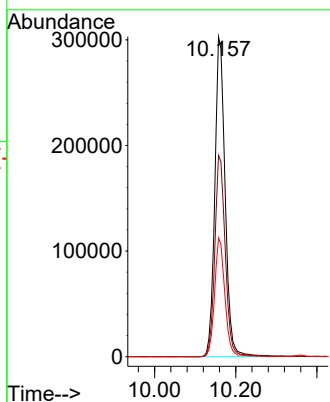
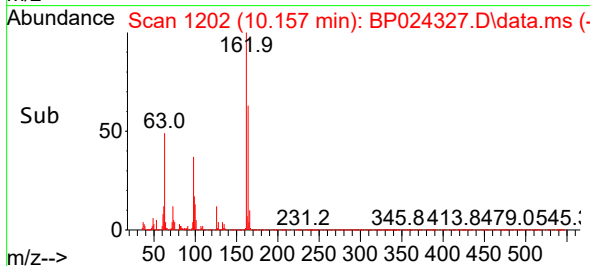
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



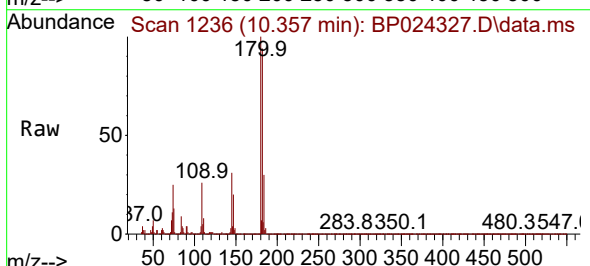
Tgt Ion:162 Resp: 53500
Ion Ratio Lower Upper
162 100
164 62.9 43.3 83.3
98 37.1 16.6 56.6

Manual Integrations
APPROVED

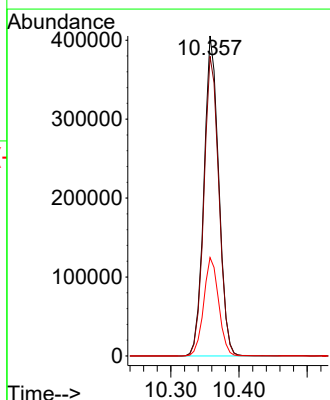
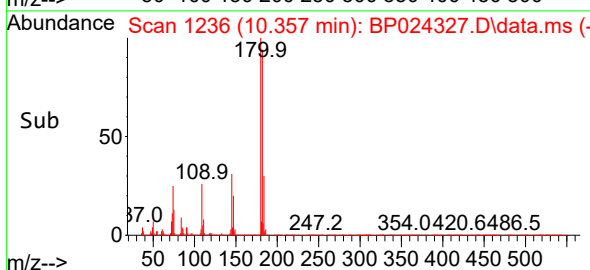
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

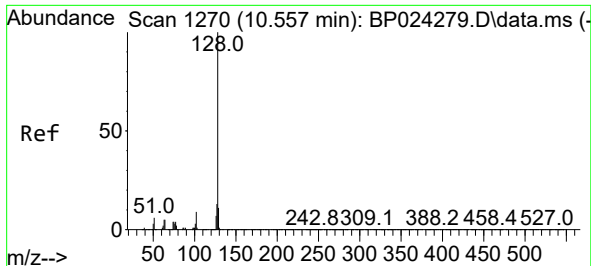


#30
1,2,4-Trichlorobenzene
Concen: 46.088 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



Tgt Ion:180 Resp: 611468
Ion Ratio Lower Upper
180 100
182 93.6 77.3 115.9
145 30.8 25.1 37.7





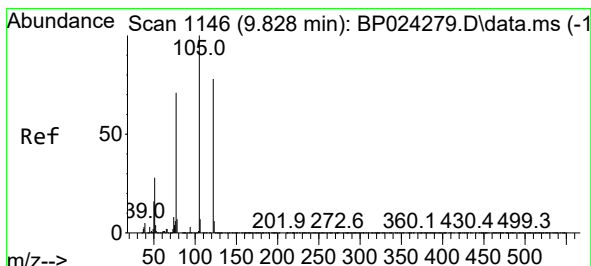
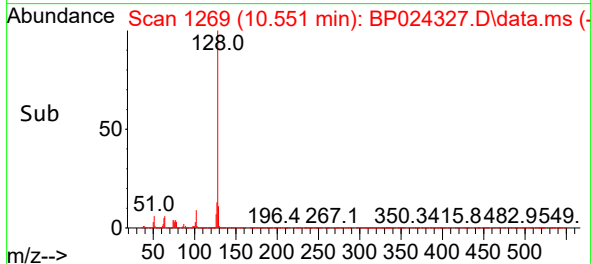
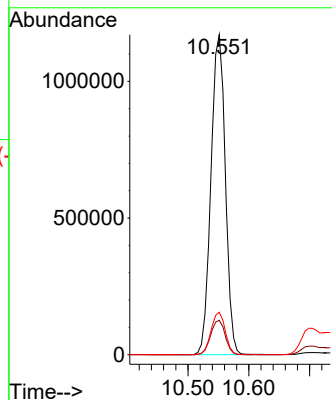
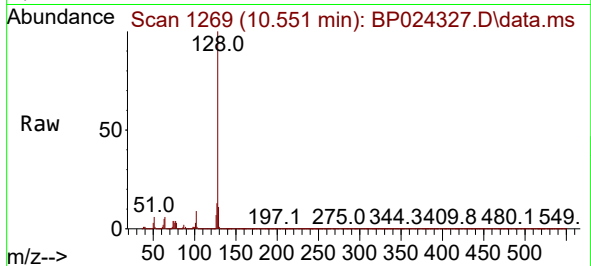
#31
Naphthalene
Concen: 42.839 ng
RT: 10.551 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS

Tgt Ion:128 Resp: 192244
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.3 15.5

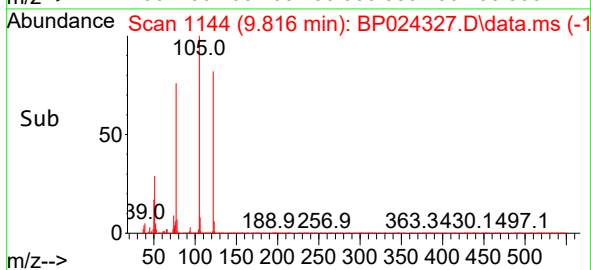
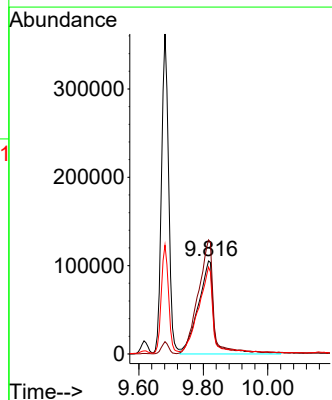
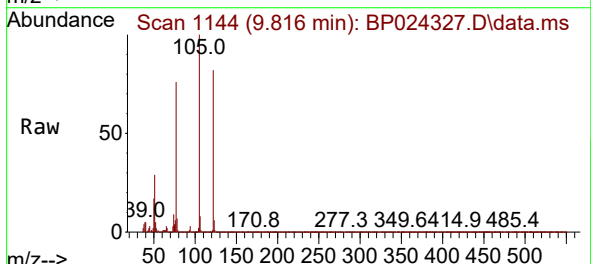
Manual Integrations
APPROVED

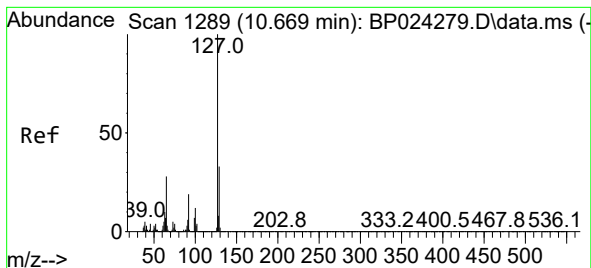
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#32
Benzoic acid
Concen: 34.162 ng m
RT: 9.816 min Scan# 1144
Delta R.T. -0.059 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

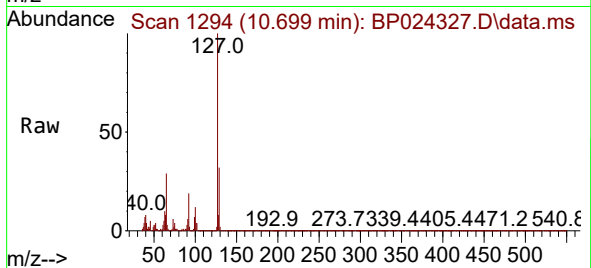
Tgt Ion:122 Resp: 361515
Ion Ratio Lower Upper
122 100
105 122.7 104.8 144.8
77 93.4 69.2 109.2





#33
4-Chloroaniline
Concen: 38.429 ng m
RT: 10.699 min Scan# 1289
Delta R.T. 0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

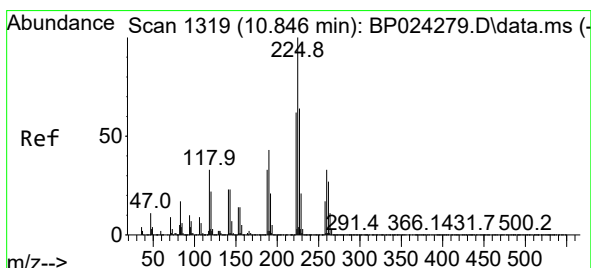
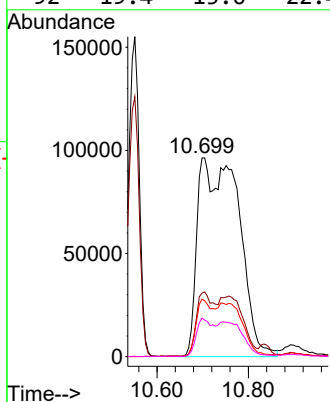
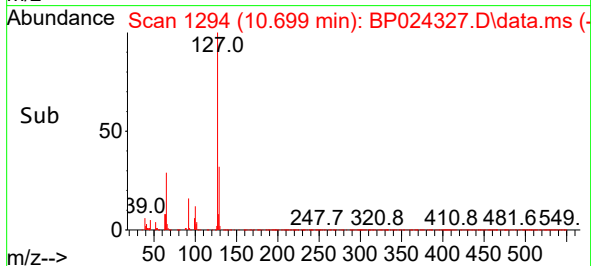
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



Tgt Ion:	127	Resp:	60730
Ion Ratio	Lower	Upper	
127	100		
129	32.1	26.1	39.1
65	28.9	22.1	33.1
92	19.4	15.0	22.4

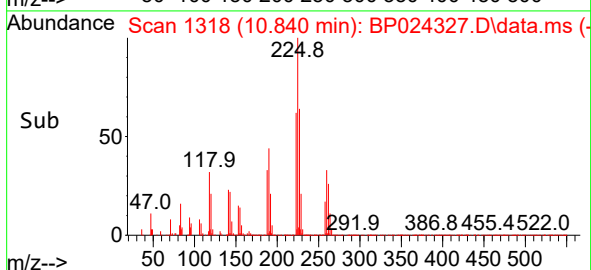
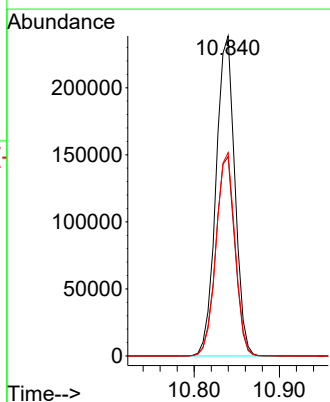
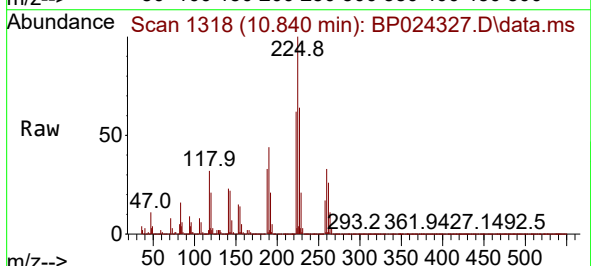
Manual Integrations
APPROVED

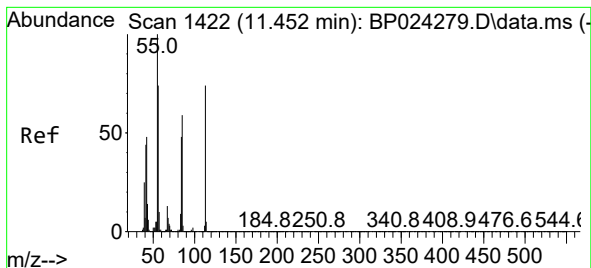
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#34
Hexachlorobutadiene
Concen: 46.943 ng
RT: 10.840 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

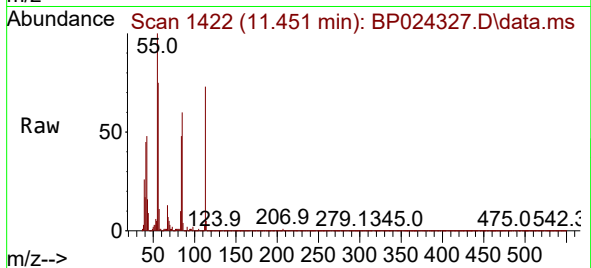
Tgt Ion:	225	Resp:	365983
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.5	74.3
227	63.5	50.9	76.3





#35
Caprolactam
Concen: 37.689 ng
RT: 11.451 min Scan# 1422
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

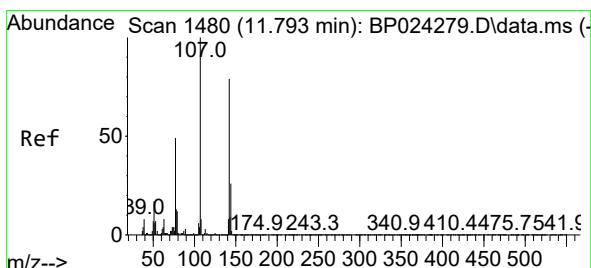
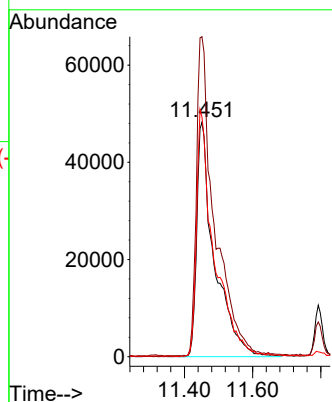
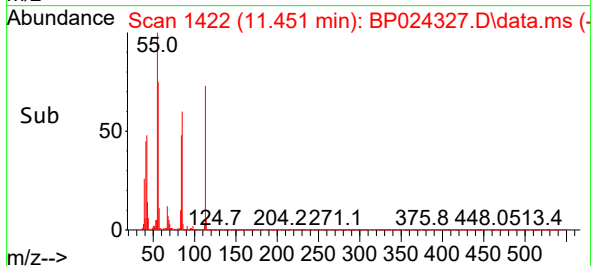
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



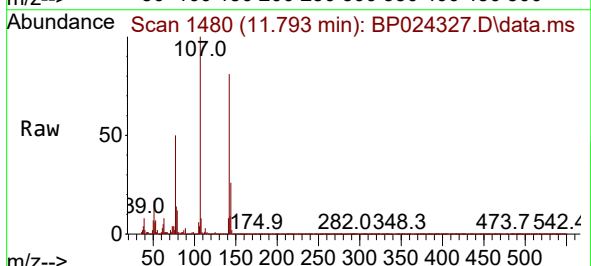
Tgt Ion:113 Resp: 17220
Ion Ratio Lower Upper
113 100
55 136.6 115.9 155.9
56 102.3 81.1 121.1

Manual Integrations
APPROVED

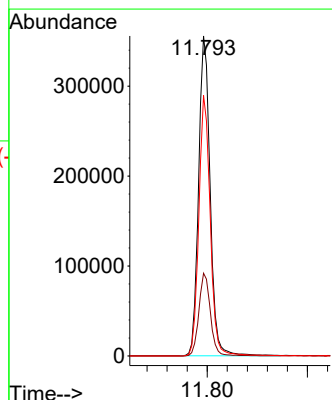
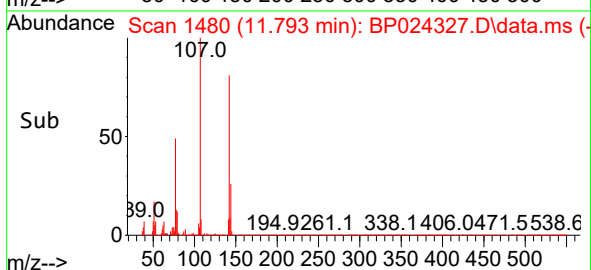
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

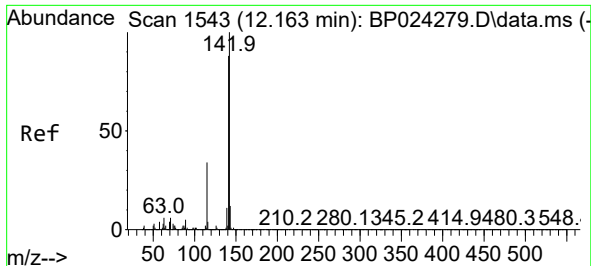


#36
4-Chloro-3-methylphenol
Concen: 39.374 ng
RT: 11.793 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



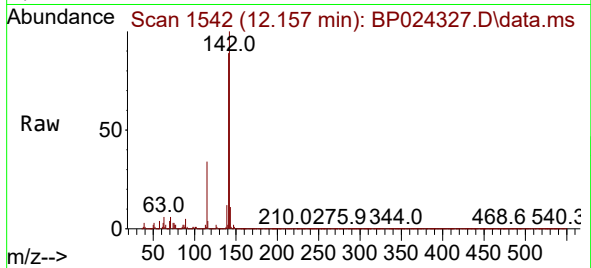
Tgt Ion:107 Resp: 567905
Ion Ratio Lower Upper
107 100
144 25.9 20.5 30.7
142 81.4 63.4 95.2





#37
2-Methylnaphthalene
Concen: 37.519 ng
RT: 12.157 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

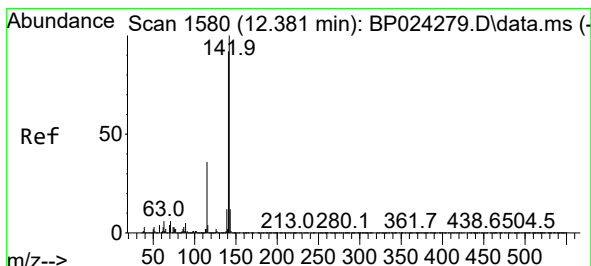
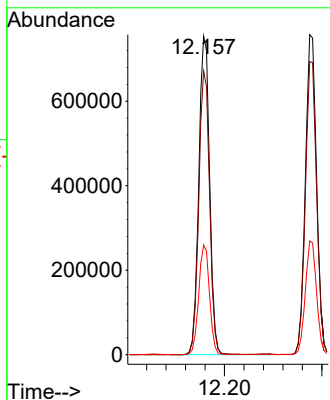
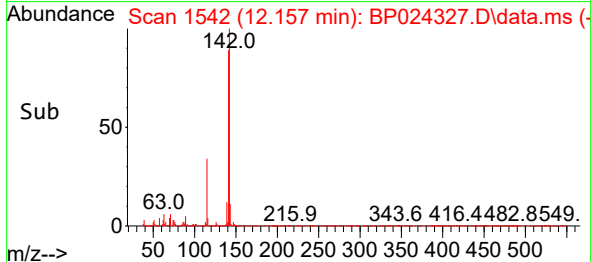
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



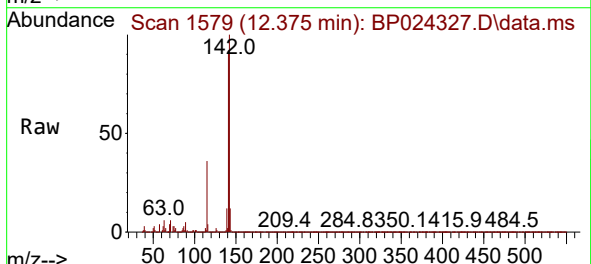
Tgt Ion:142 Resp: 116768
Ion Ratio Lower Upper
142 100
141 89.1 70.3 105.5
115 34.4 26.9 40.3

Manual Integrations
APPROVED

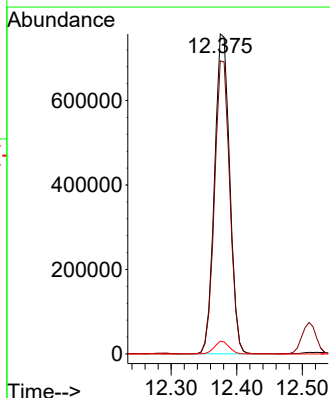
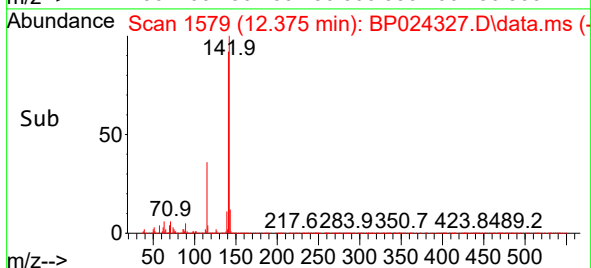
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

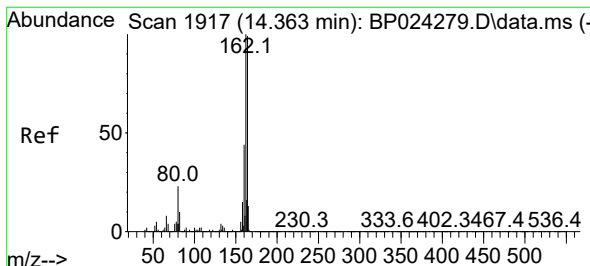


#38
1-Methylnaphthalene
Concen: 39.908 ng
RT: 12.375 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



Tgt Ion:142 Resp: 1215065
Ion Ratio Lower Upper
142 100
141 91.6 73.6 110.4
116 4.0 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.351 min Scan# 1915

Delta R.T. -0.018 min

Lab File: BP024327.D

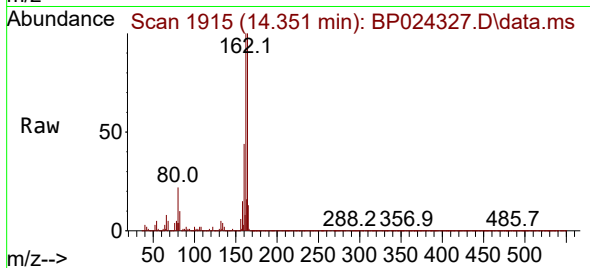
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



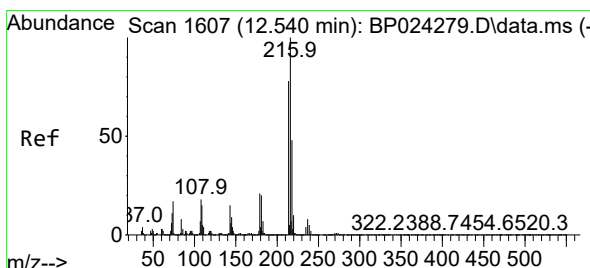
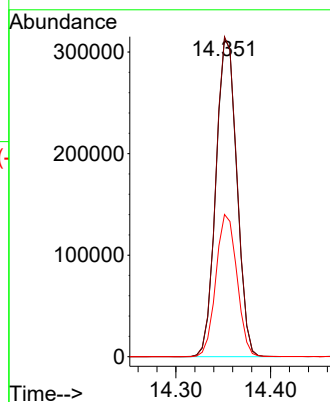
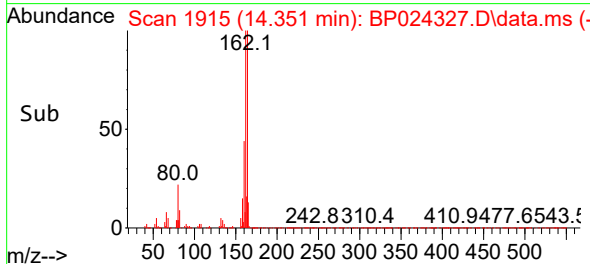
Tgt Ion:	164	Resp:	48097
Ion Ratio	Lower	Upper	
164	100		
162	100.4	80.6	120.8
160	44.6	35.3	52.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.151 ng

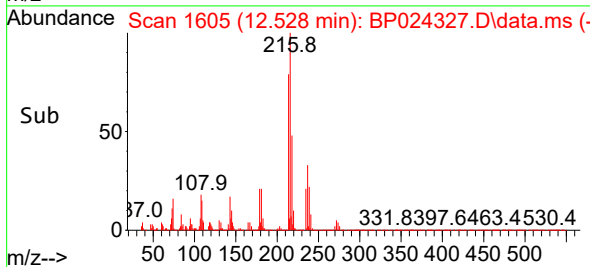
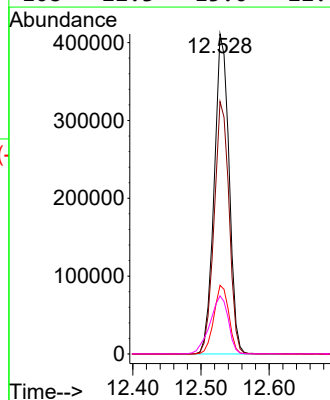
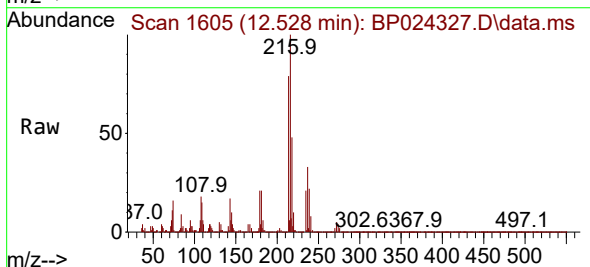
RT: 12.528 min Scan# 1605

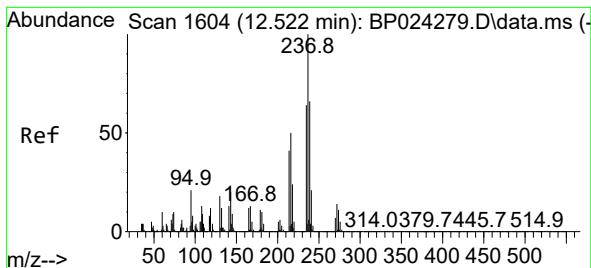
Delta R.T. -0.018 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

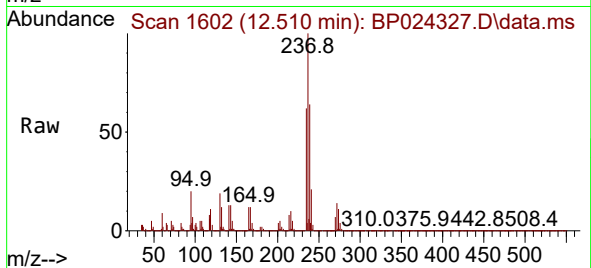
Tgt Ion:	216	Resp:	623657
Ion Ratio	Lower	Upper	
216	100		
214	79.3	62.6	93.8
179	21.6	17.2	25.8
108	22.3	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 191.461 ng
RT: 12.510 min Scan# 1602
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

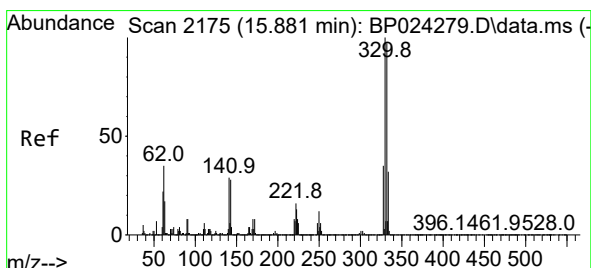
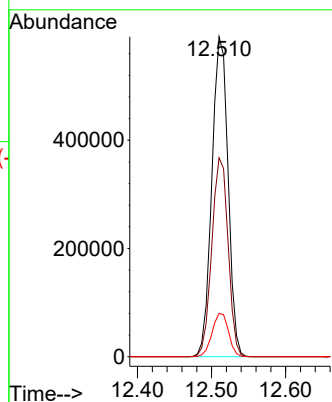
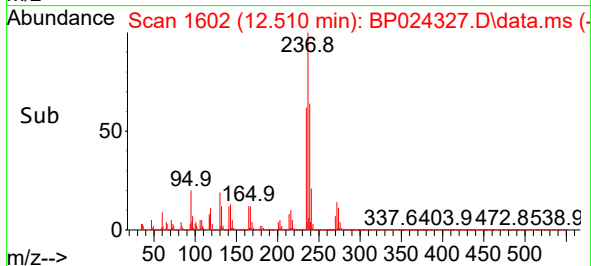
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



Tgt Ion: 237 Resp: 89565
Ion Ratio Lower Upper
237 100
235 62.2 43.9 83.9
272 13.5 0.0 33.6

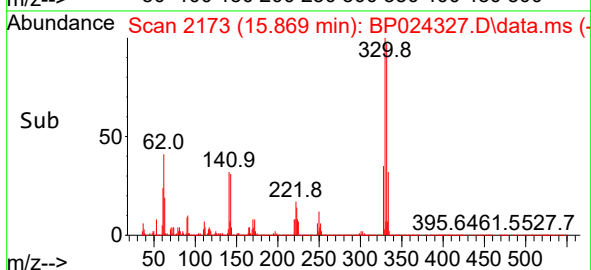
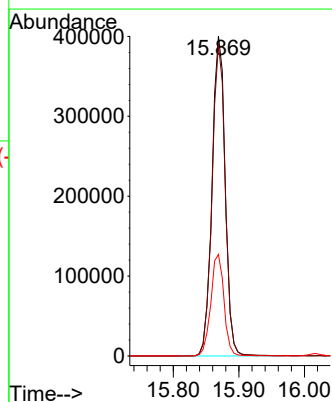
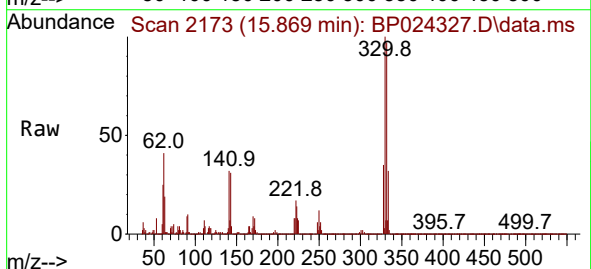
Manual Integrations
APPROVED

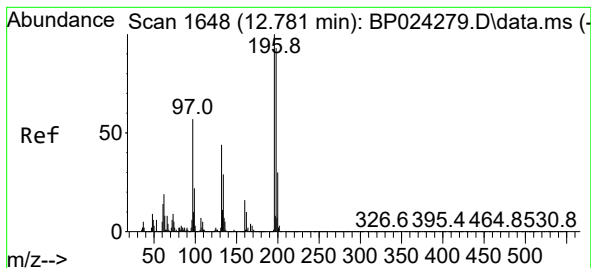
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#42
2,4,6-Tribromophenol
Concen: 84.051 ng
RT: 15.869 min Scan# 2173
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion: 330 Resp: 559320
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 31.9 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 45.743 ng

RT: 12.775 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS

Tgt Ion:196 Resp: 402264

Ion Ratio Lower Upper

196 100

198 95.4 74.3 111.5

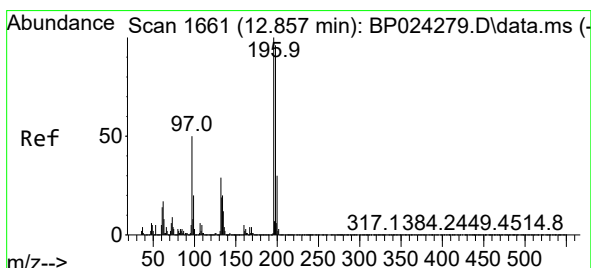
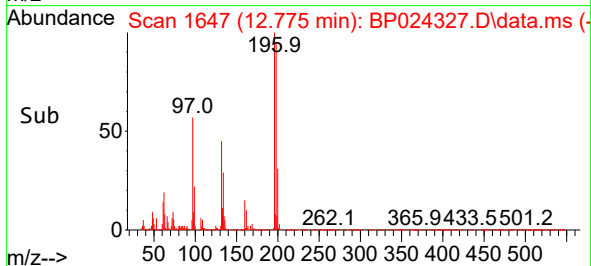
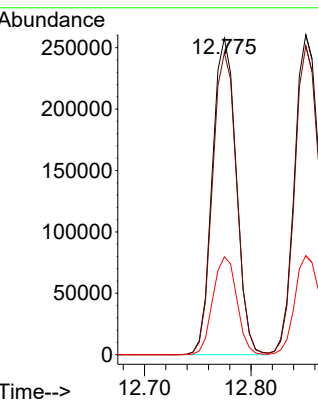
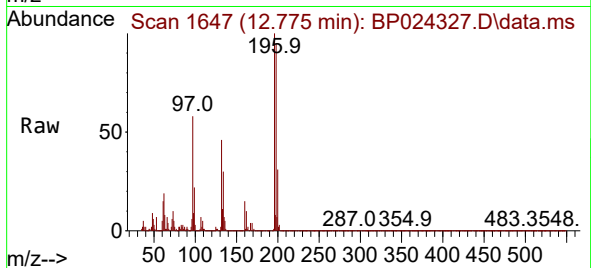
200 30.9 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#44

2,4,5-Trichlorophenol

Concen: 44.704 ng

RT: 12.851 min Scan# 1660

Delta R.T. -0.018 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Tgt Ion:196 Resp: 435330

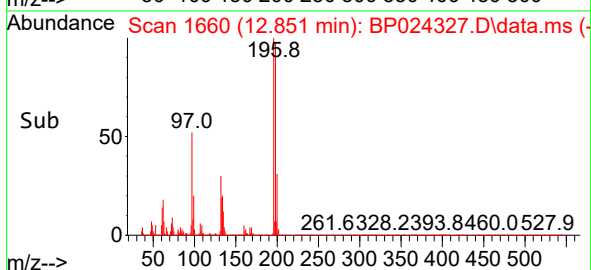
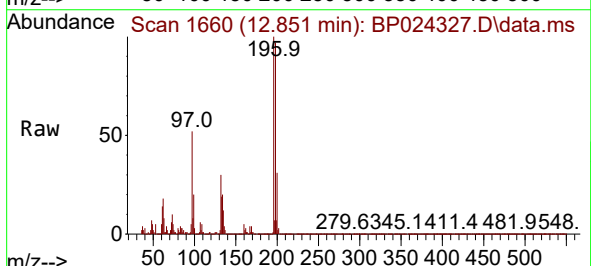
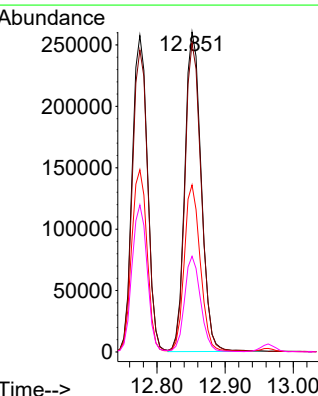
Ion Ratio Lower Upper

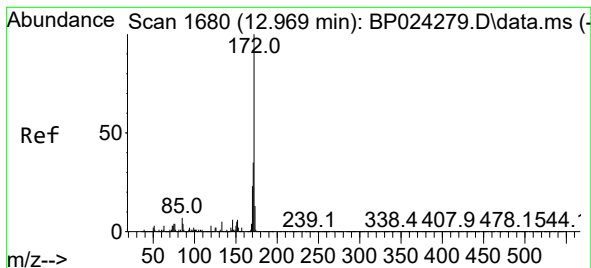
196 100

198 96.6 77.3 115.9

97 52.2 40.4 60.6

132 29.9 23.4 35.0





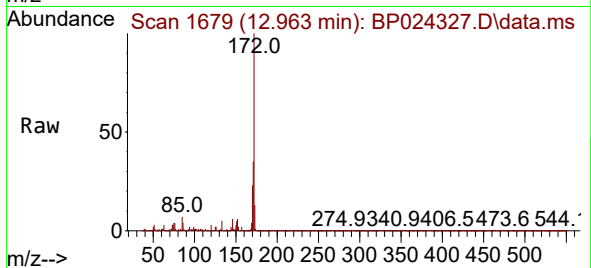
#45
2-Fluorobiphenyl
Concen: 60.783 ng
RT: 12.963 min Scan# 1680
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



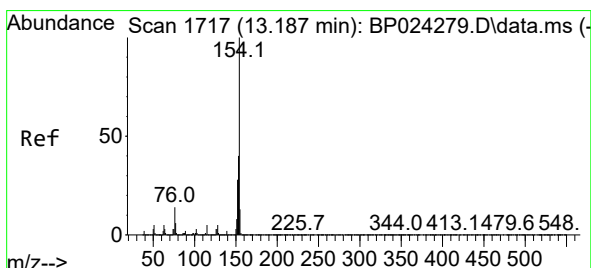
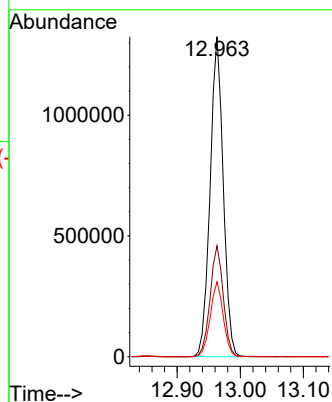
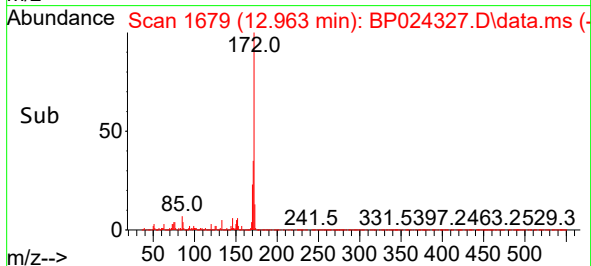
Tgt Ion:172 Resp: 1909390
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.4 18.6 27.8

Manual Integrations

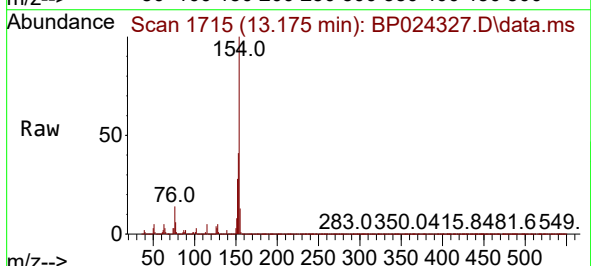
APPROVED

Reviewed By :Rahul Chavli 04/18/2025

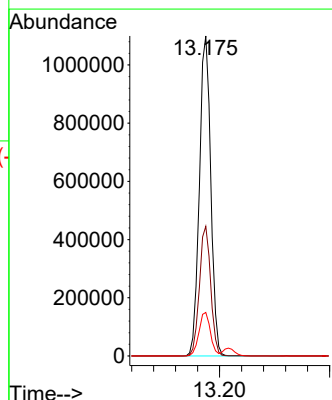
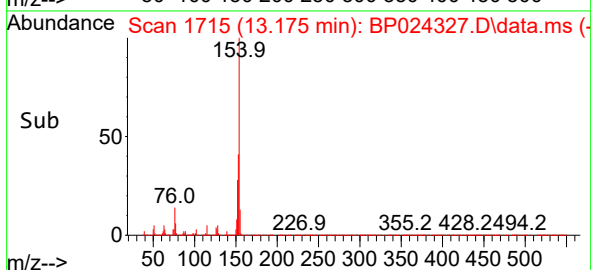
Supervised By :Jagrut Upadhyay 04/18/2025

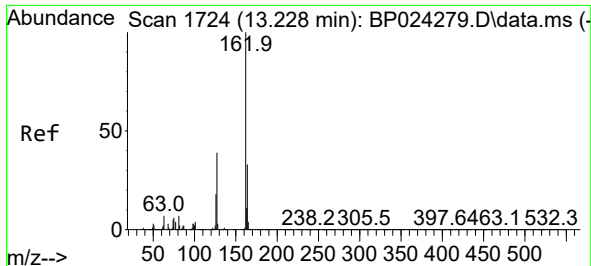


#46
1,1'-Biphenyl
Concen: 44.677 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



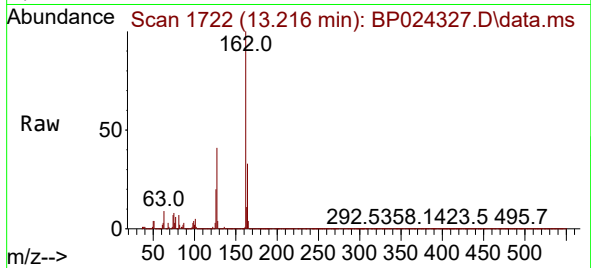
Tgt Ion:154 Resp: 1579506
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.6 0.0 33.5





#47
2-Chloronaphthalene
Concen: 46.030 ng
RT: 13.216 min Scan# 1722
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

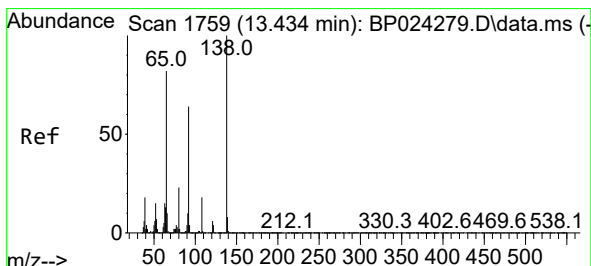
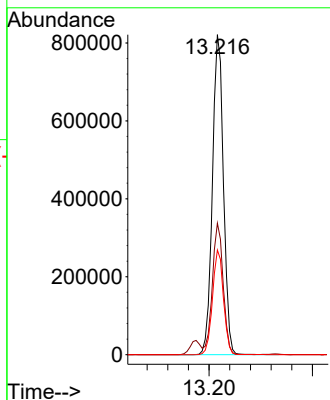
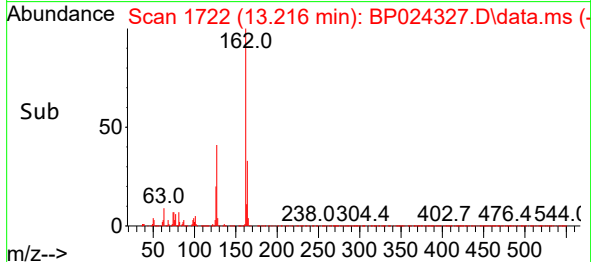
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



Tgt Ion:162 Resp: 1216254
Ion Ratio Lower Upper
162 100
127 41.1 31.9 47.9
164 32.7 26.2 39.4

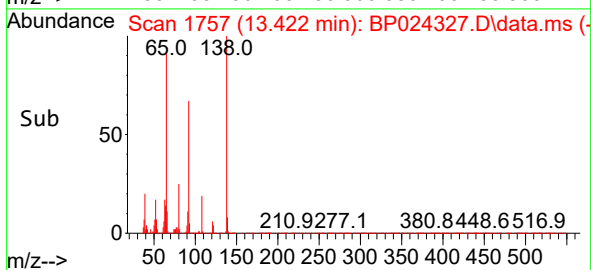
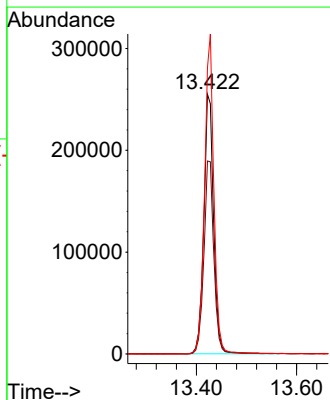
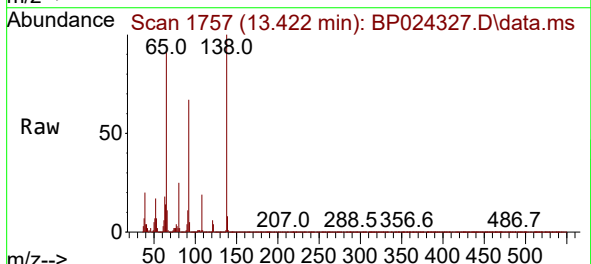
Manual Integrations
APPROVED

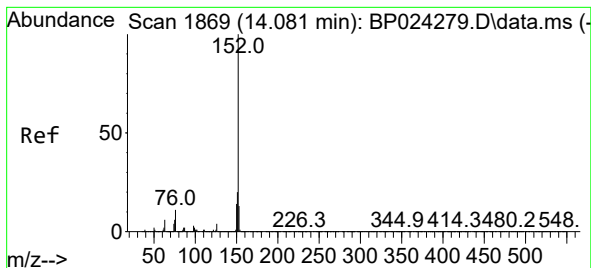
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#48
2-Nitroaniline
Concen: 46.822 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion: 65 Resp: 347040
Ion Ratio Lower Upper
65 100
92 74.3 62.3 93.5
138 110.3 97.2 145.8





#49

Acenaphthylene

Concen: 47.922 ng

RT: 14.075 min Scan# 1868

Delta R.T. -0.012 min

Lab File: BP024327.D

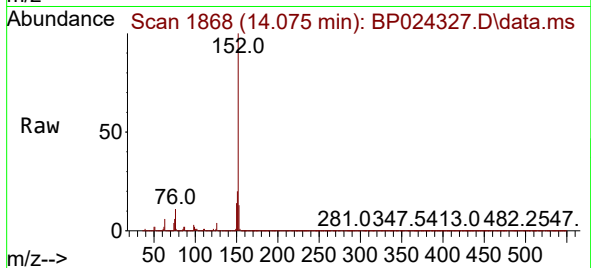
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



Tgt Ion:152 Resp: 1993630

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

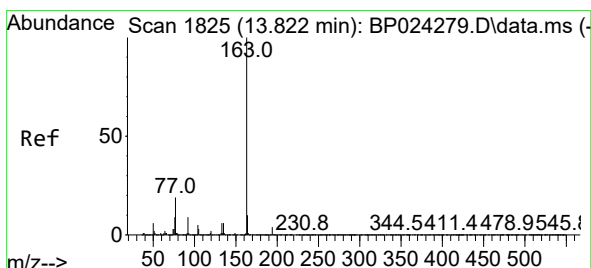
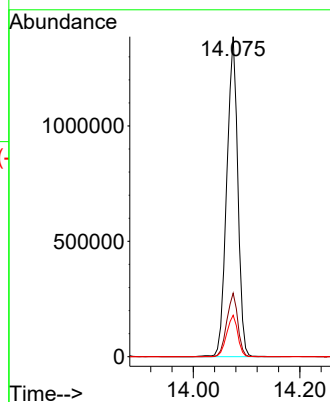
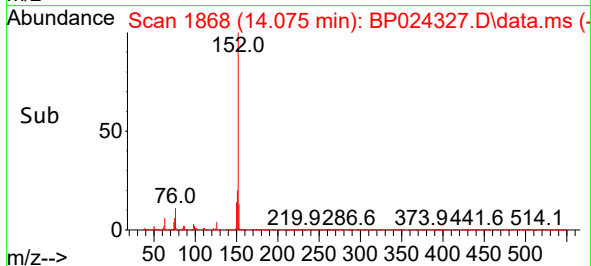
153 13.0 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#50

Dimethylphthalate

Concen: 41.709 ng

RT: 13.810 min Scan# 1823

Delta R.T. -0.023 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

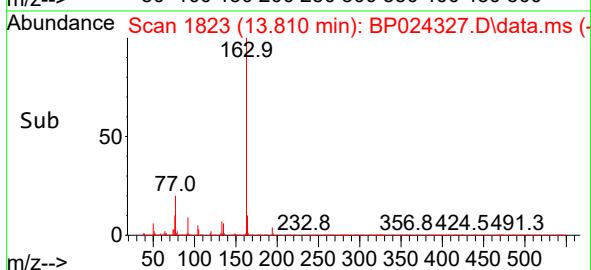
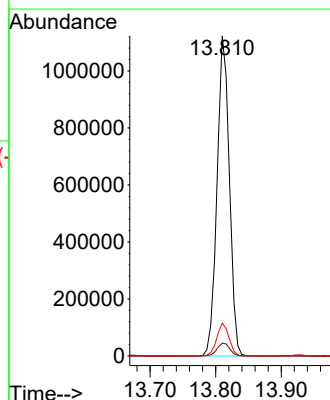
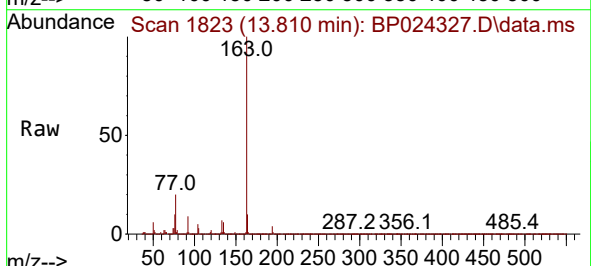
Tgt Ion:163 Resp: 1458860

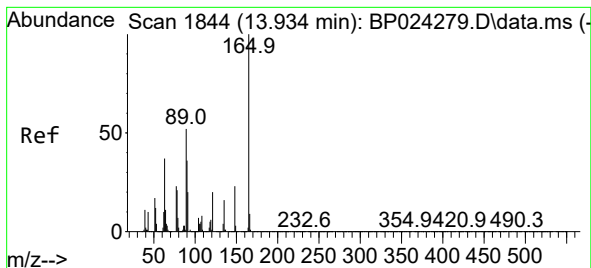
Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

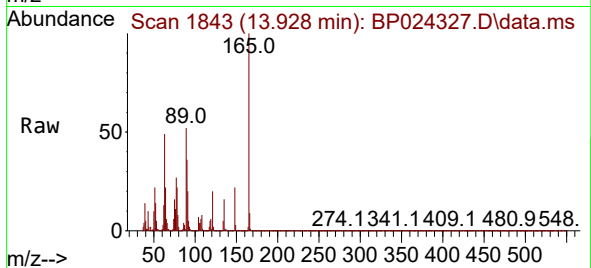
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 42.956 ng
RT: 13.928 min Scan# 1843
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

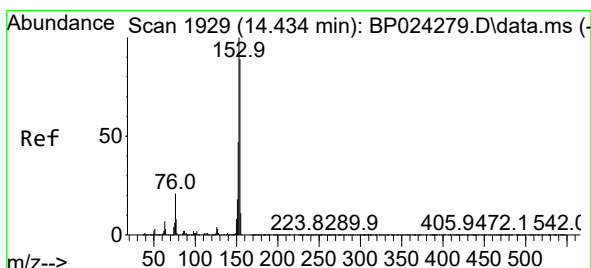
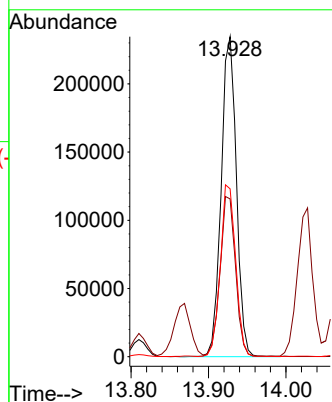
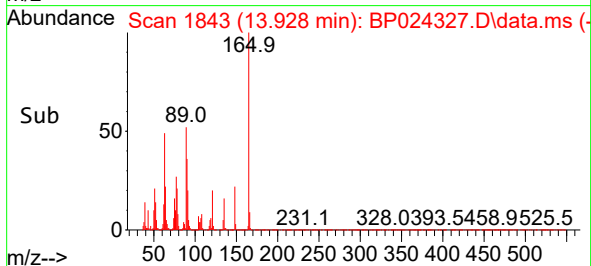
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



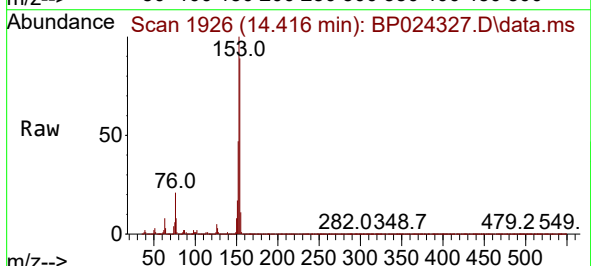
Tgt Ion:165 Resp: 319052
Ion Ratio Lower Upper
165 100
63 49.3 38.0 57.0
89 52.5 41.7 62.5

Manual Integrations
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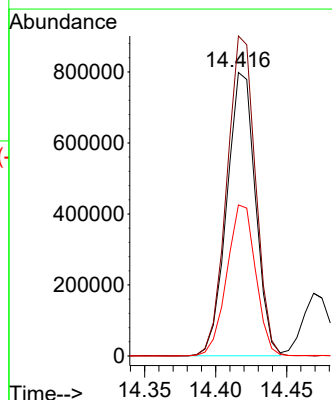
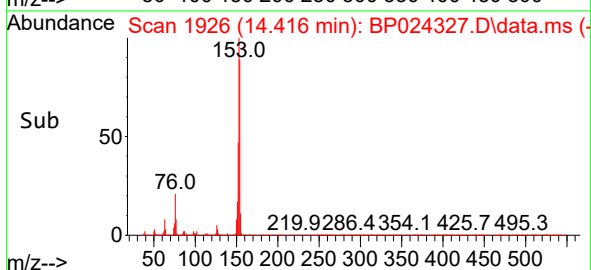
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

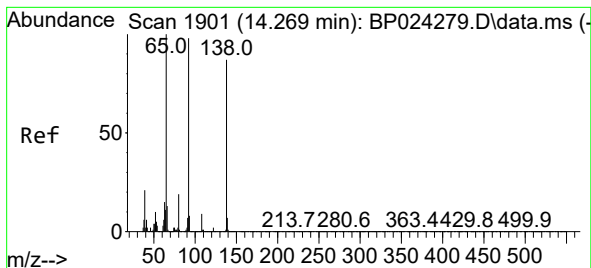


#52
Acenaphthene
Concen: 42.564 ng
RT: 14.416 min Scan# 1926
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



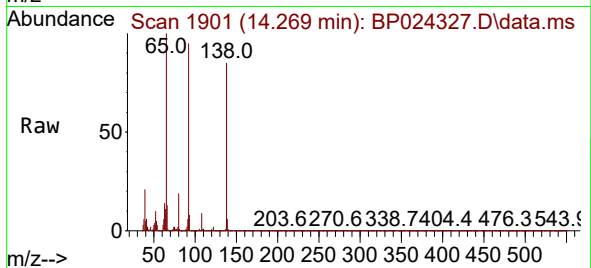
Tgt Ion:154 Resp: 1122585
Ion Ratio Lower Upper
154 100
153 112.9 89.8 134.6
152 53.3 42.6 63.8





#53
3-Nitroaniline
Concen: 43.209 ng
RT: 14.269 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

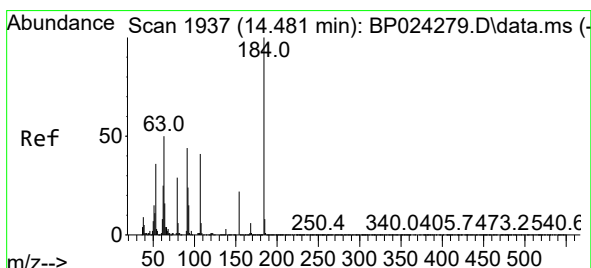
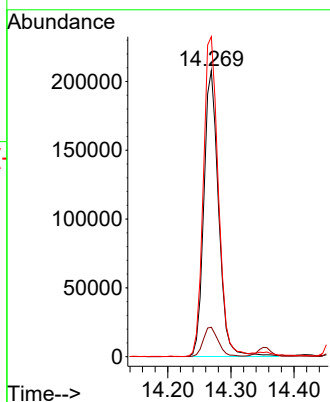
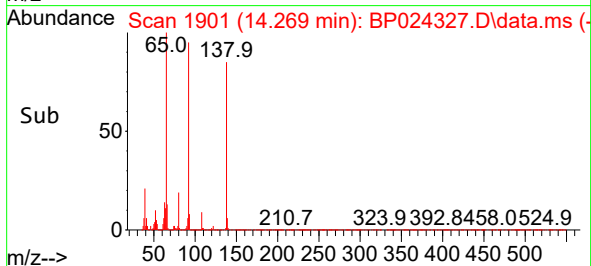
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



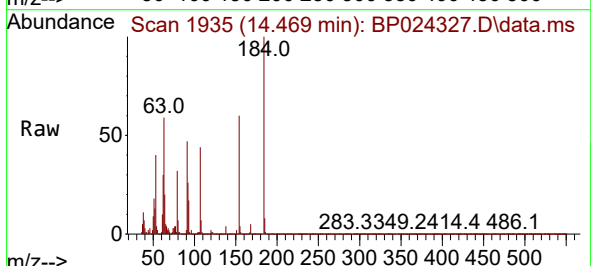
Tgt Ion:138 Resp: 337302
Ion Ratio Lower Upper
138 100
108 10.3 8.3 12.5
92 111.9 89.8 134.8

Manual Integrations
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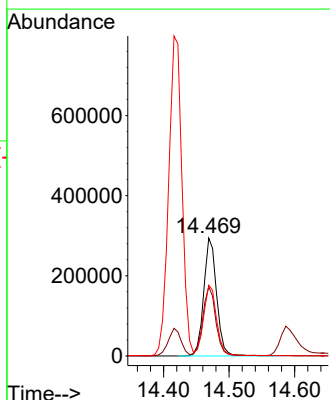
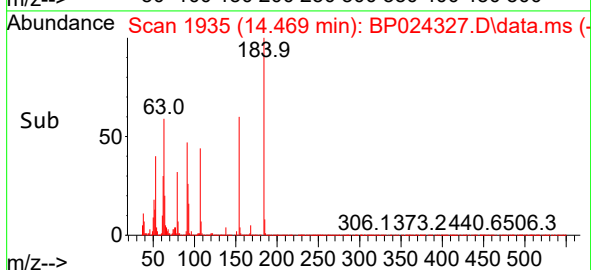
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

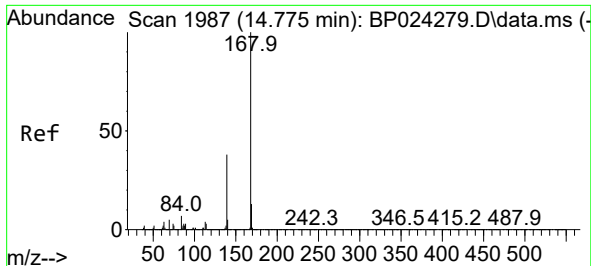


#54
2,4-Dinitrophenol
Concen: 92.255 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



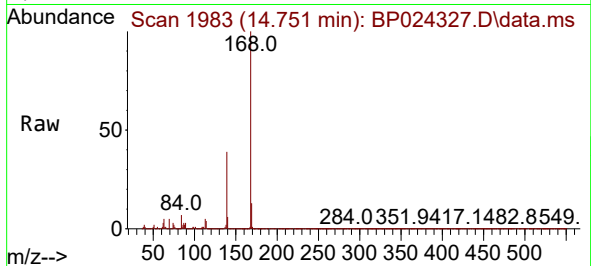
Tgt Ion:184 Resp: 403623
Ion Ratio Lower Upper
184 100
63 58.7 42.6 64.0
154 60.0 47.2 70.8





#55
Dibenzenofuran
Concen: 41.060 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

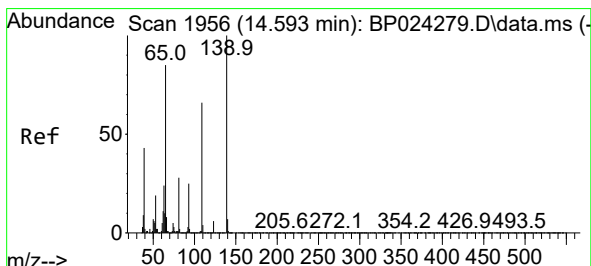
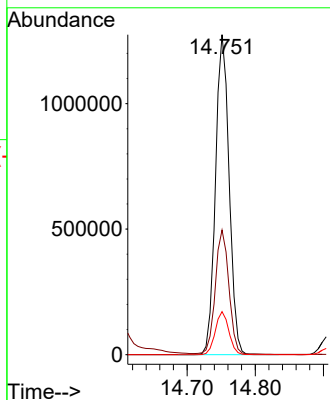
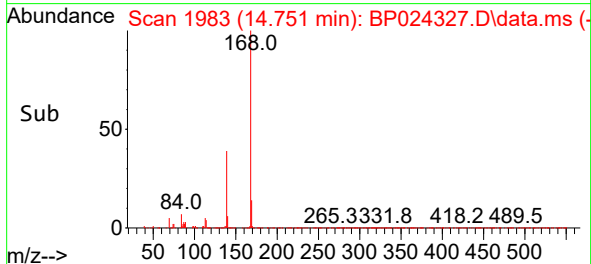
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



Tgt Ion:168 Resp: 1770100
Ion Ratio Lower Upper
168 100
139 38.9 30.3 45.5
169 13.5 10.6 16.0

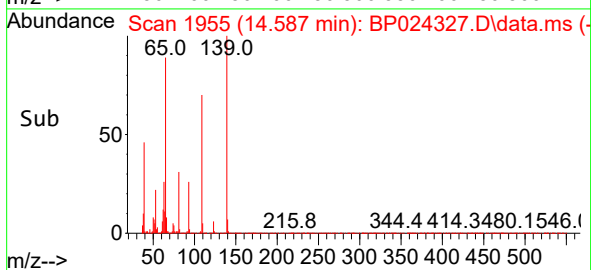
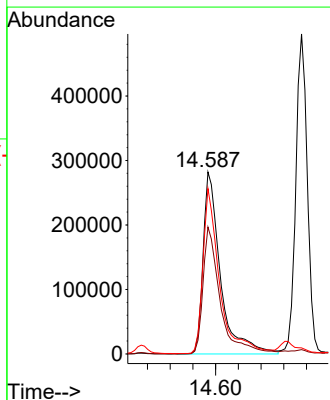
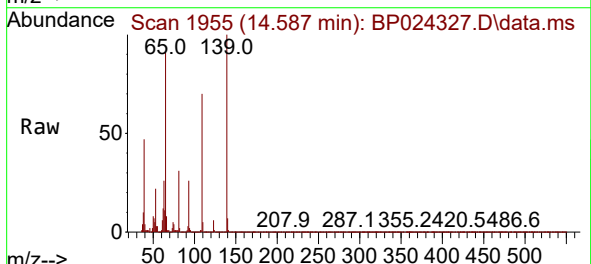
Manual Integrations
APPROVED

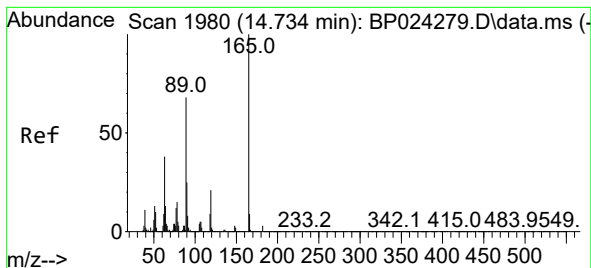
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#56
4-Nitrophenol
Concen: 88.606 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion:139 Resp: 597373
Ion Ratio Lower Upper
139 100
109 69.7 46.1 86.1
65 90.9 65.0 105.0





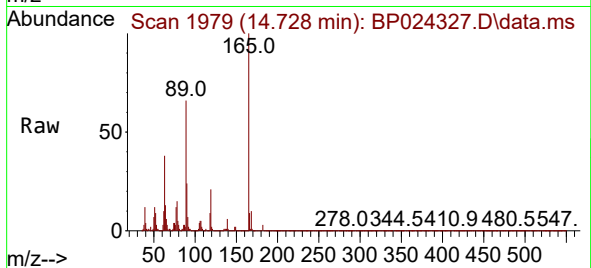
#57
2,4-Dinitrotoluene
Concen: 45.003 ng
RT: 14.728 min Scan# 1980
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



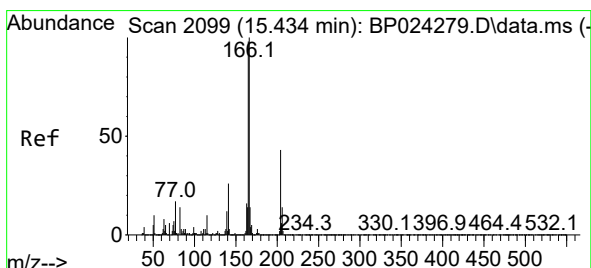
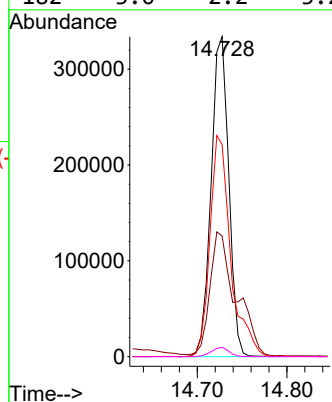
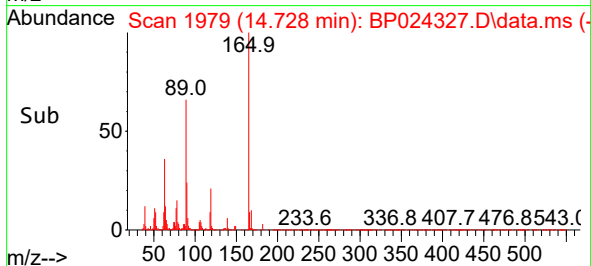
Tgt Ion:165 Resp: 455959
Ion Ratio Lower Upper
165 100
63 37.7 30.4 45.6
89 66.3 54.6 82.0
182 3.0 2.2 3.2

Manual Integrations

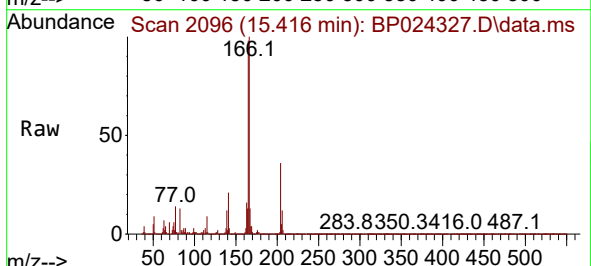
APPROVED

Reviewed By :Rahul Chavli 04/18/2025

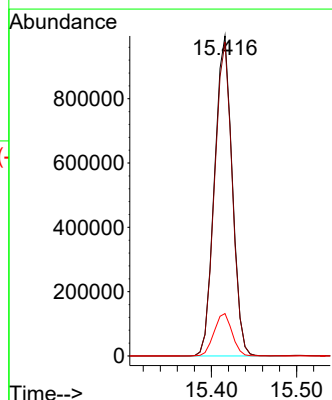
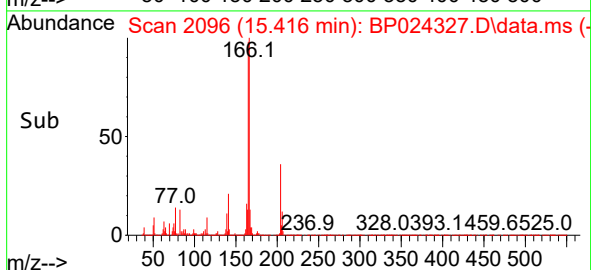
Supervised By :Jagrut Upadhyay 04/18/2025

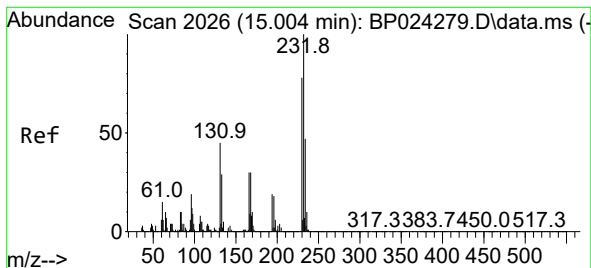


#58
Fluorene
Concen: 43.049 ng
RT: 15.416 min Scan# 2096
Delta R.T. -0.024 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



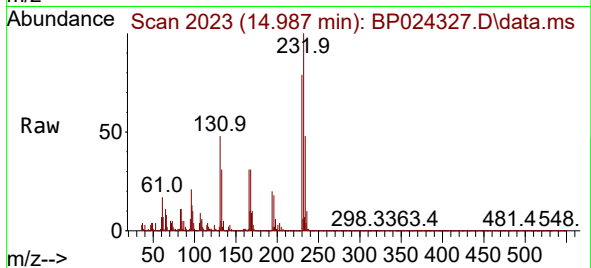
Tgt Ion:166 Resp: 1436663
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 13.2 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.703 ng
RT: 14.987 min Scan# 2058
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

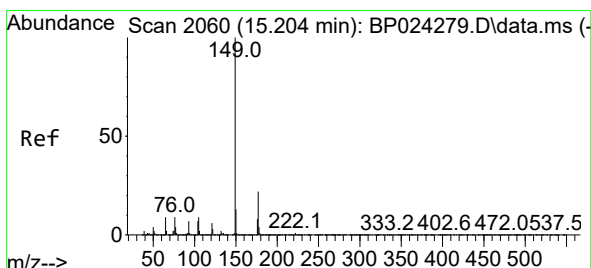
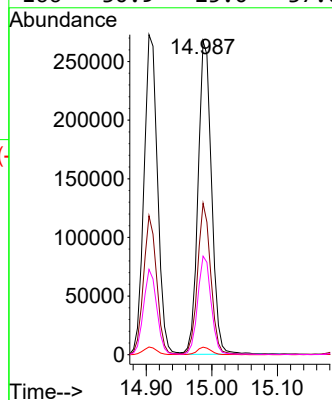
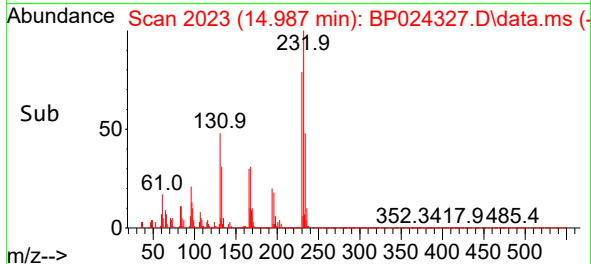
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



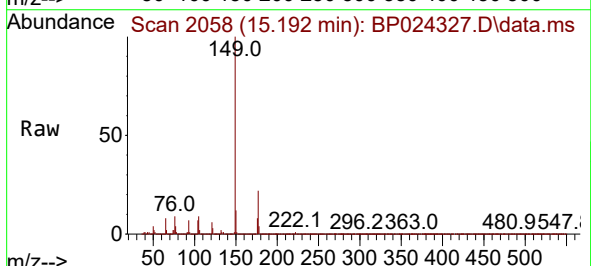
Tgt Ion:232 Resp: 383539
Ion Ratio Lower Upper
232 100
131 46.9 36.8 55.2
130 2.5 1.9 2.9
166 30.9 25.0 37.6

Manual Integrations
APPROVED

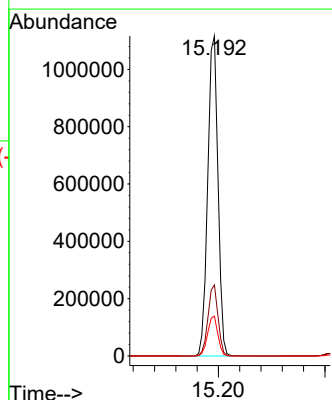
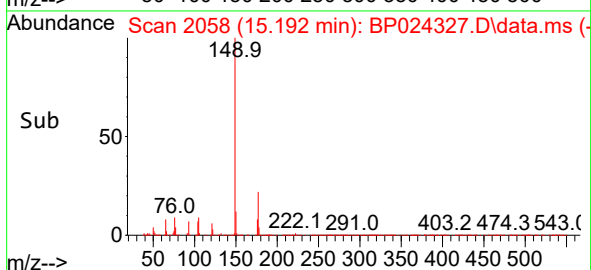
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

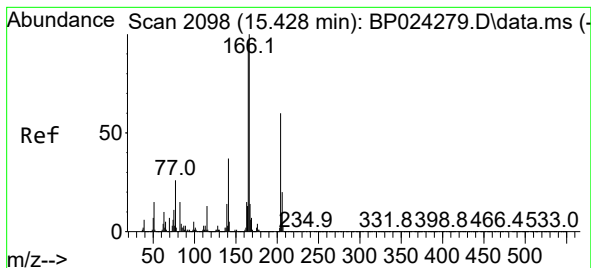


#60
Diethylphthalate
Concen: 41.451 ng
RT: 15.192 min Scan# 2058
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



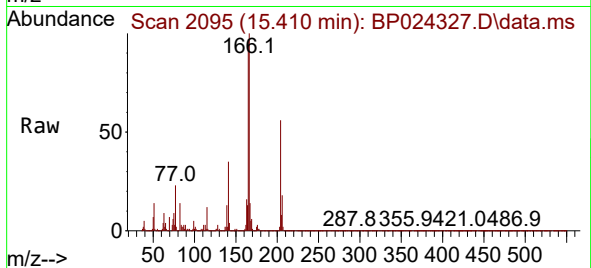
Tgt Ion:149 Resp: 1494111
Ion Ratio Lower Upper
149 100
177 22.2 17.4 26.2
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.331 ng
RT: 15.410 min Scan# 2098
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

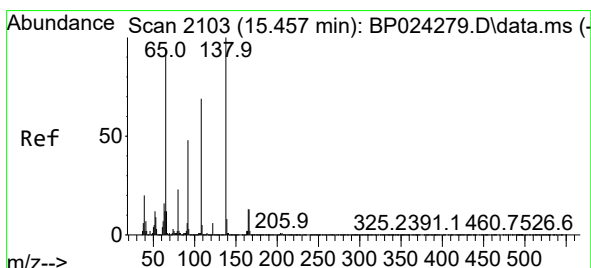
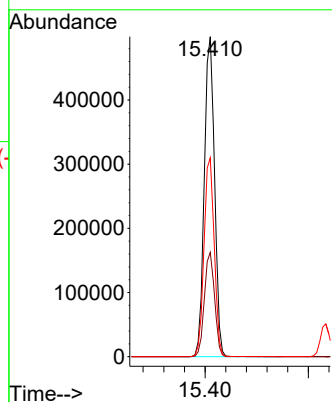
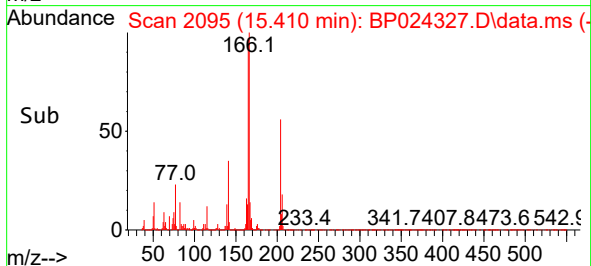
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



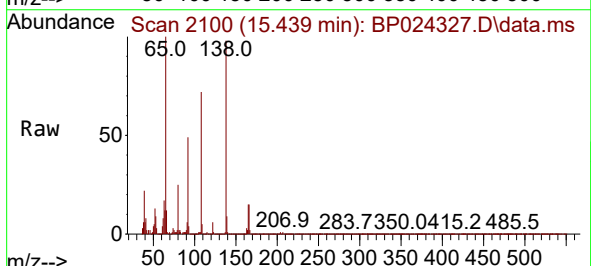
Tgt Ion:204 Resp: 68601
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 62.2 49.4 74.0

Manual Integrations
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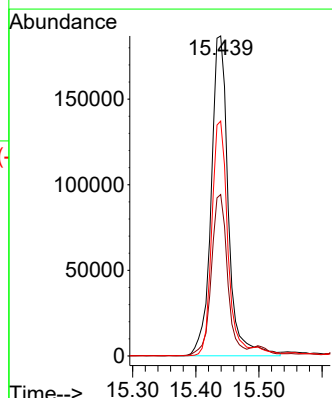
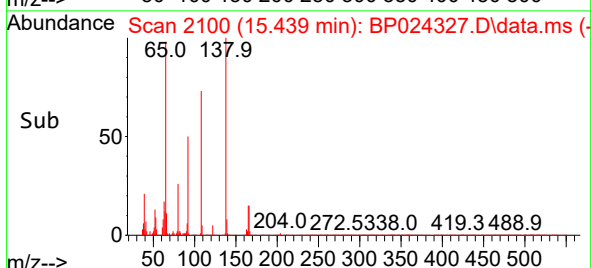
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

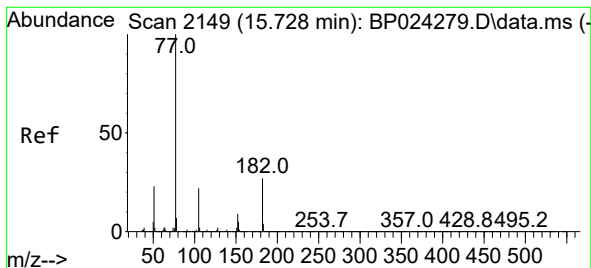


#62
4-Nitroaniline
Concen: 42.718 ng
RT: 15.439 min Scan# 2100
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



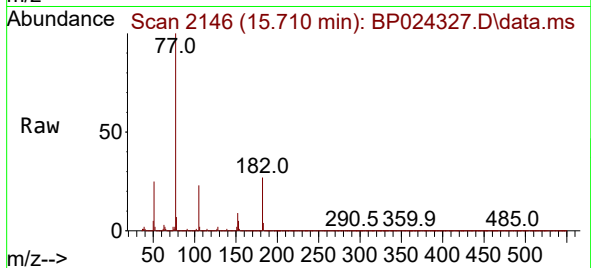
Tgt Ion:138 Resp: 353015
Ion Ratio Lower Upper
138 100
92 50.4 27.8 67.8
108 73.4 48.9 88.9





#63
Azobenzene
Concen: 49.428 ng
RT: 15.710 min Scan# 2146
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

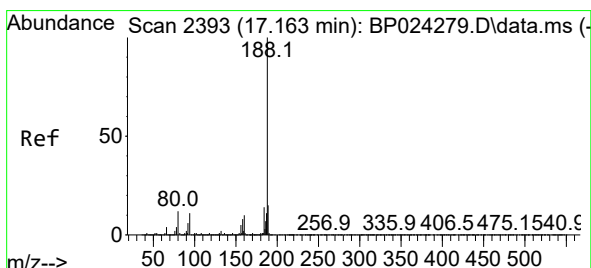
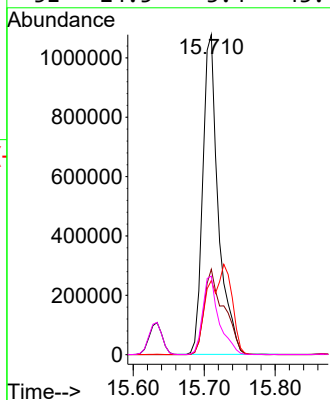
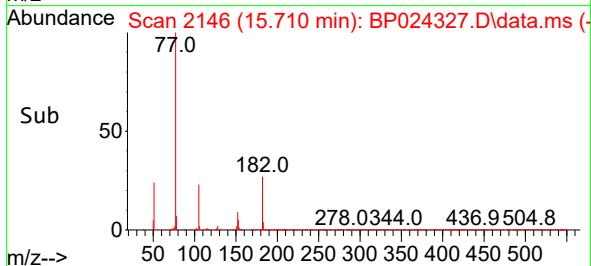
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



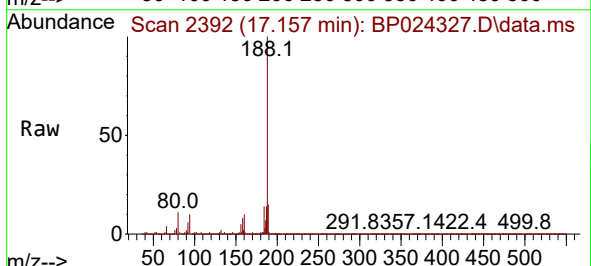
Tgt Ion: 77 Resp: 1637510
Ion Ratio Lower Upper
77 100
182 26.7 7.3 47.3
105 23.2 2.3 42.3
51 24.5 3.4 43.4

Manual Integrations
APPROVED

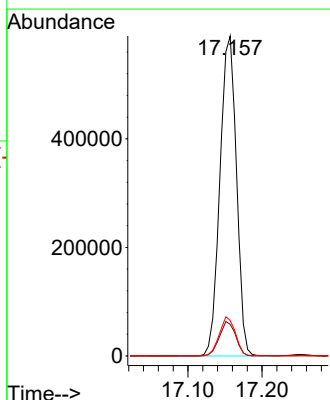
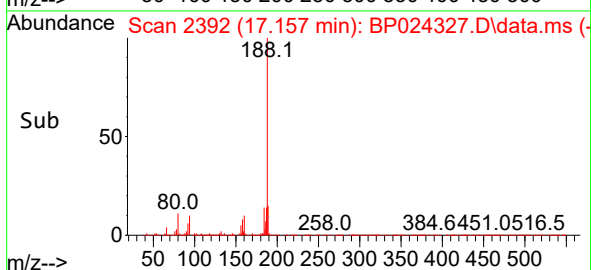
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

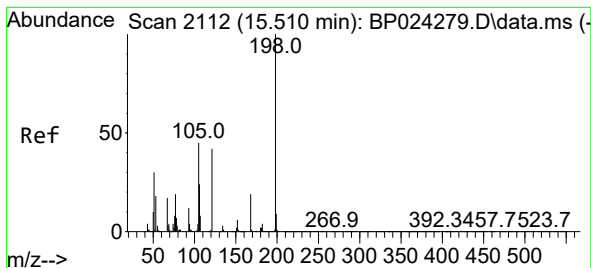


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



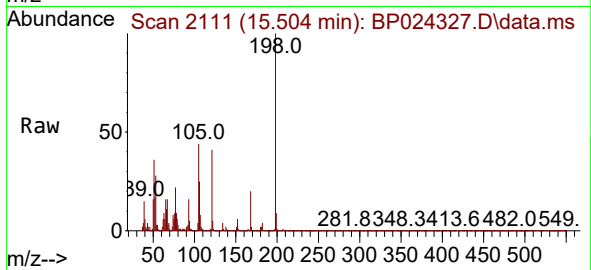
Tgt Ion:188 Resp: 913873
Ion Ratio Lower Upper
188 100
94 9.9 8.6 13.0
80 11.1 9.8 14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 44.325 ng
RT: 15.504 min Scan# 2111
Delta R.T. -0.024 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

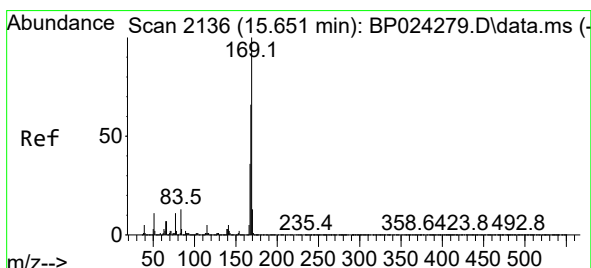
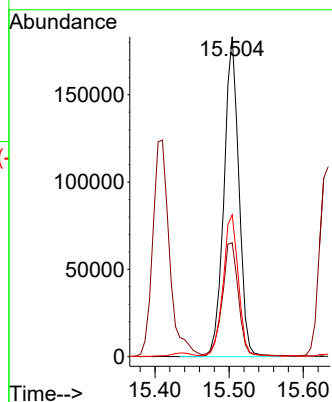
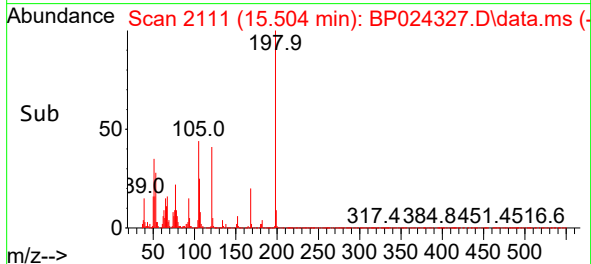
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



Tgt Ion:198 Resp: 255384
Ion Ratio Lower Upper
198 100
51 35.6 18.4 58.4
105 44.3 26.5 66.5

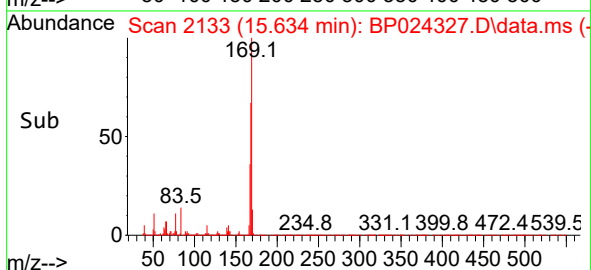
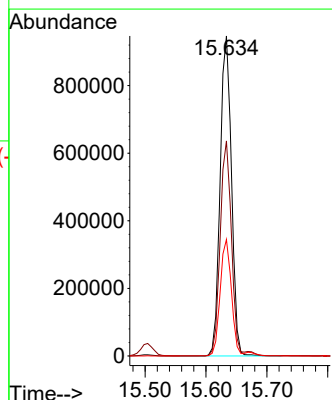
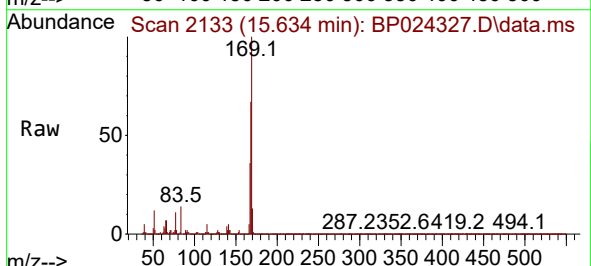
Manual Integrations
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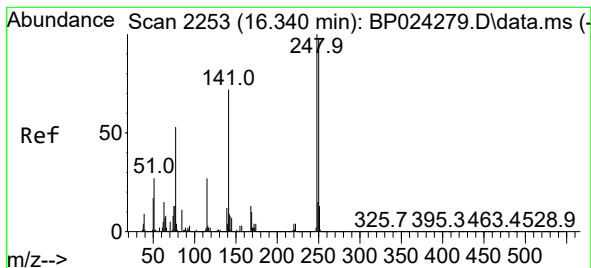
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#66
n-Nitrosodiphenylamine
Concen: 44.614 ng
RT: 15.634 min Scan# 2133
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

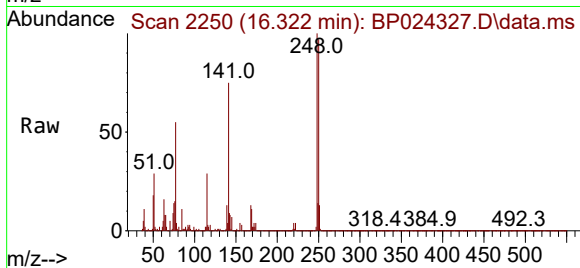
Tgt Ion:169 Resp: 1216932
Ion Ratio Lower Upper
169 100
168 67.2 53.0 79.4
167 36.4 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 44.570 ng
RT: 16.322 min Scan# 211
Delta R.T. -0.023 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

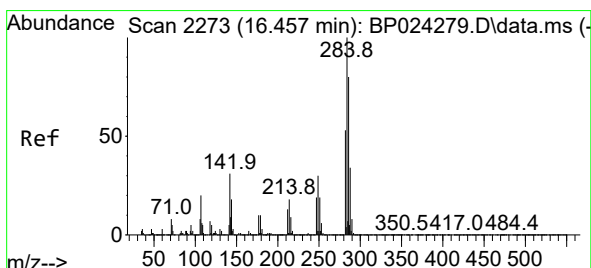
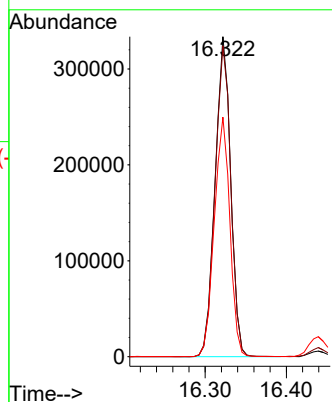
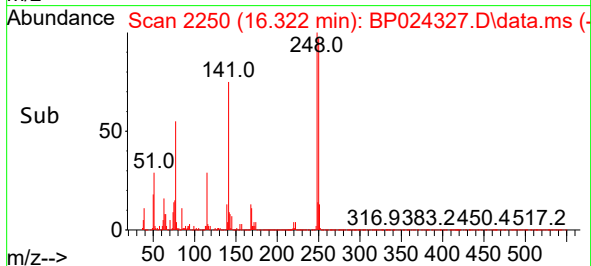
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



Tgt Ion:248 Resp: 445460
Ion Ratio Lower Upper
248 100
250 97.1 78.2 117.4
141 74.8 57.7 86.5

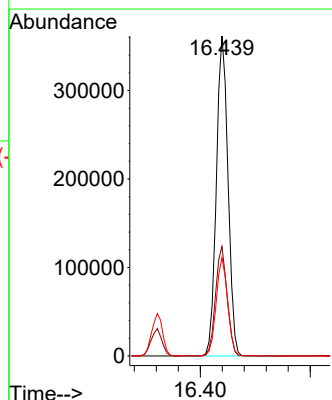
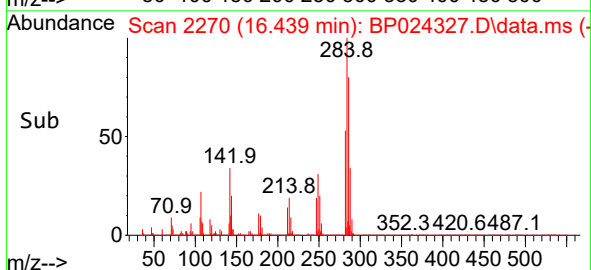
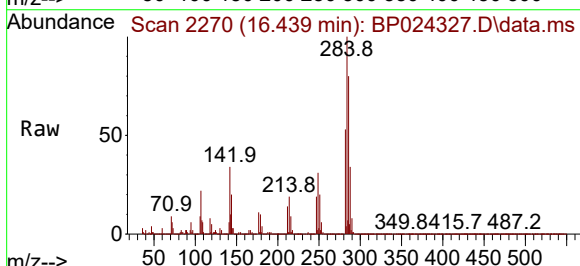
Manual Integrations
APPROVED

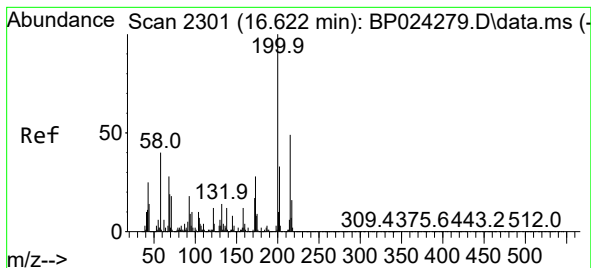
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#68
Hexachlorobenzene
Concen: 44.775 ng
RT: 16.439 min Scan# 2270
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion:284 Resp: 531777
Ion Ratio Lower Upper
284 100
142 34.2 24.6 37.0
249 30.7 23.8 35.6





#69

Atrazine

Concen: 57.285 ng

RT: 16.622 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024327.D

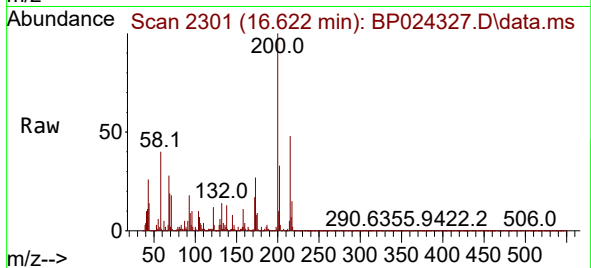
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



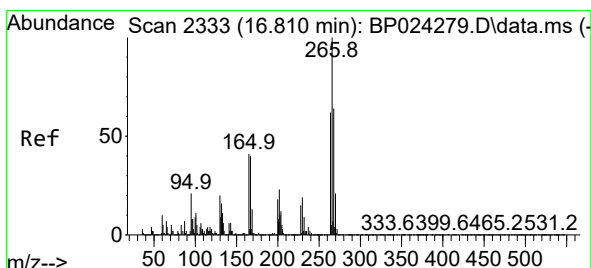
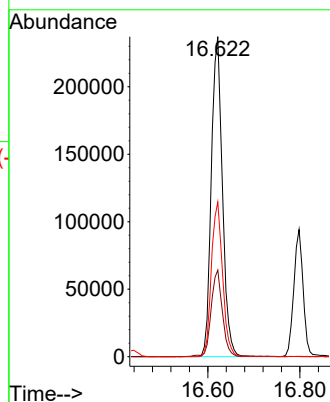
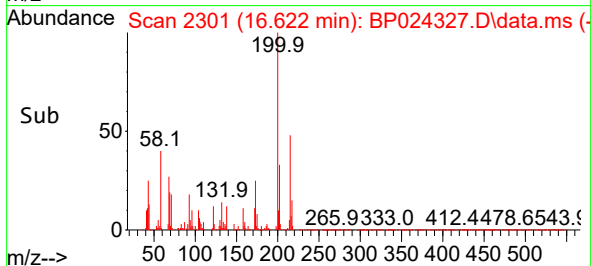
Tgt Ion:	200	Resp:	39797
Ion Ratio	Lower	Upper	
200	100		
173	27.0	7.5	47.5
215	48.4	28.8	68.8

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#70

Pentachlorophenol

Concen: 88.297 ng

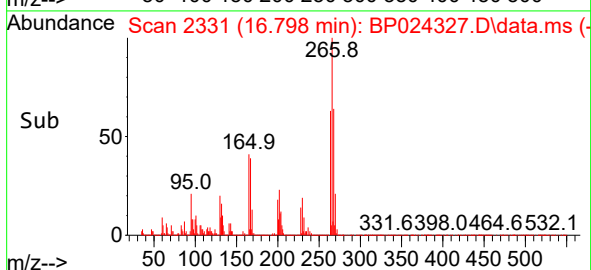
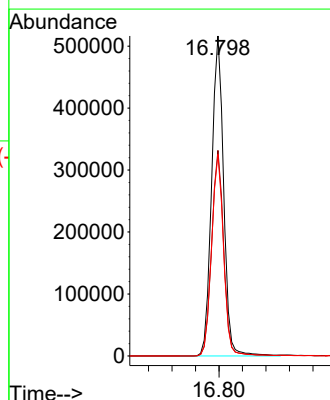
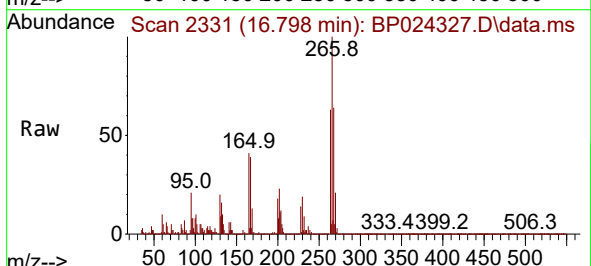
RT: 16.798 min Scan# 2331

Delta R.T. -0.029 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Tgt Ion:	266	Resp:	731583
Ion Ratio	Lower	Upper	
266	100		
268	64.3	51.0	76.6
264	63.0	49.8	74.6





#71

Phenanthrene

Concen: 44.374 ng

RT: 17.198 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS

Tgt Ion:178 Resp: 221222

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

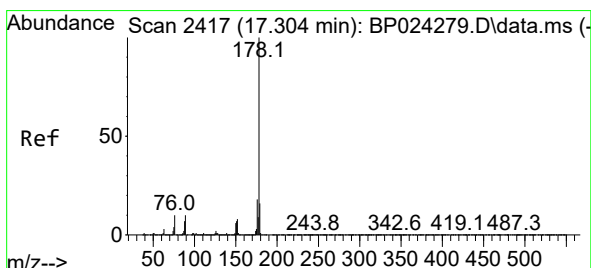
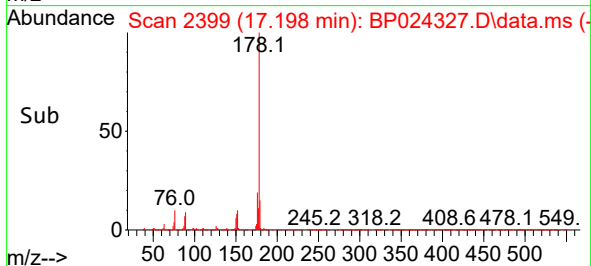
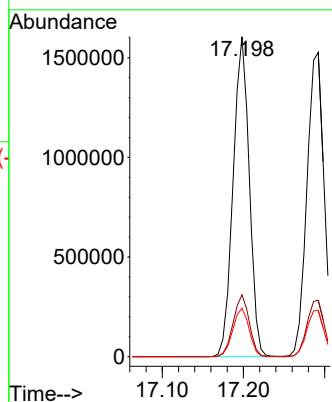
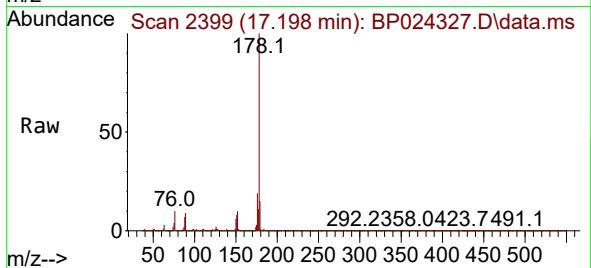
179 15.2 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#72

Anthracene

Concen: 46.937 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.023 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

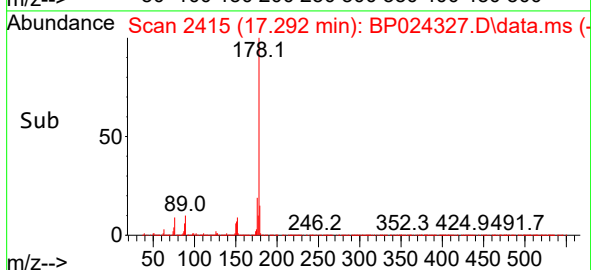
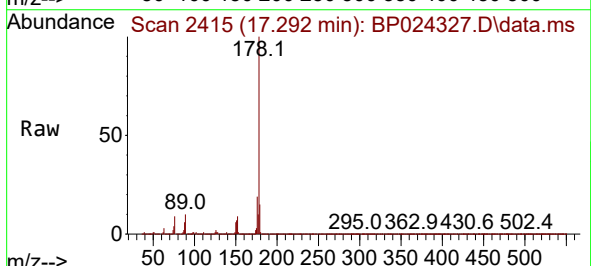
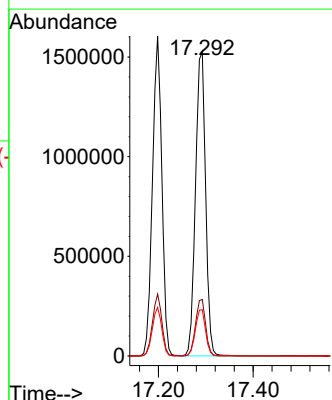
Tgt Ion:178 Resp: 2255303

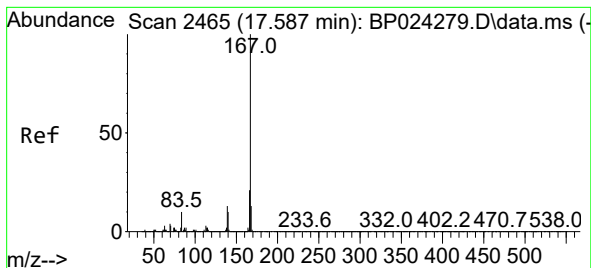
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

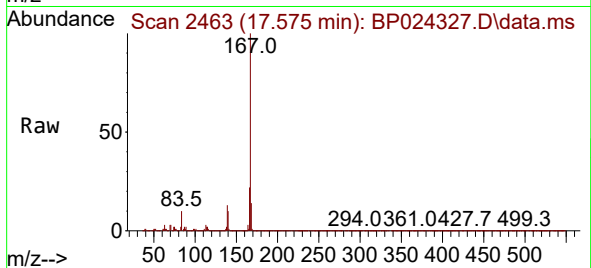
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 44.738 ng
 RT: 17.575 min Scan# 2463
 Delta R.T. -0.029 min
 Lab File: BP024327.D
 Acq: 17 Apr 2025 15:20

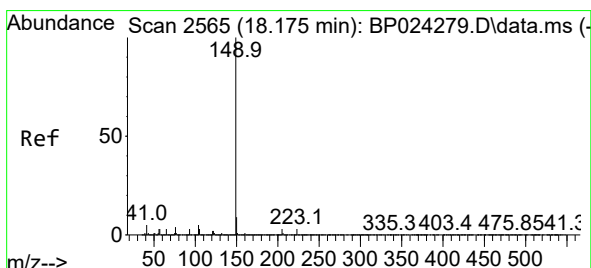
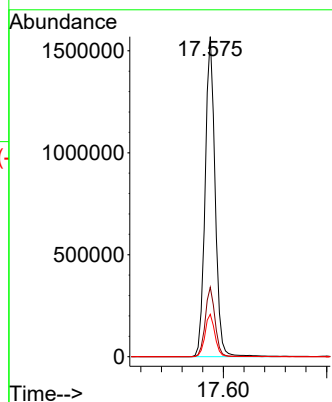
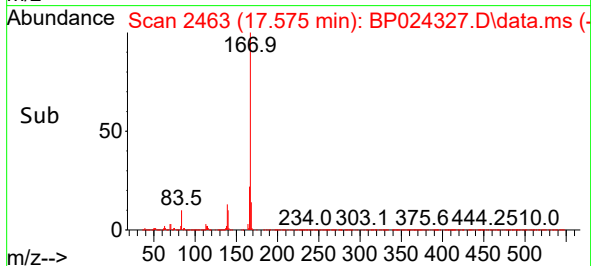
Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGMS



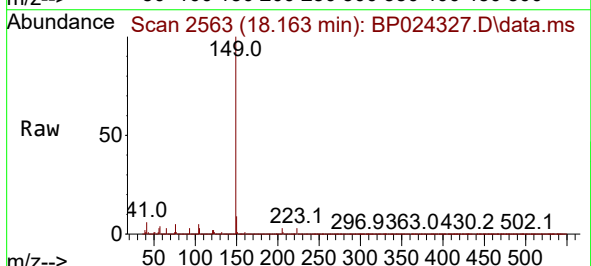
Tgt Ion:167 Resp: 2100348
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 13.3 10.6 16.0

Manual Integrations
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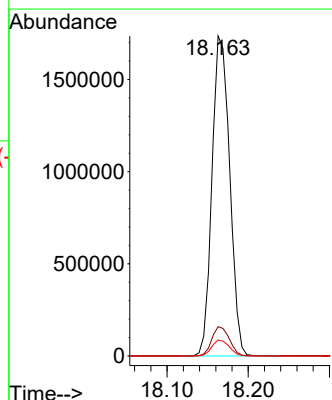
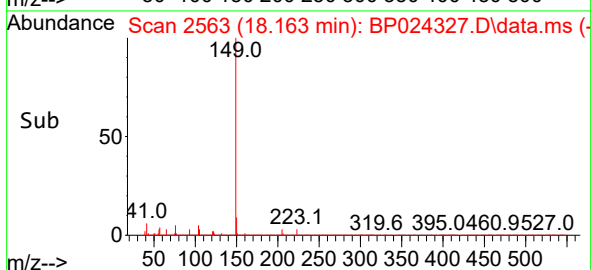
Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025

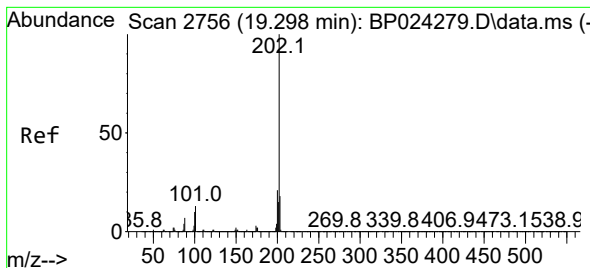


#74
 Di-n-butylphthalate
 Concen: 44.859 ng
 RT: 18.163 min Scan# 2563
 Delta R.T. -0.029 min
 Lab File: BP024327.D
 Acq: 17 Apr 2025 15:20



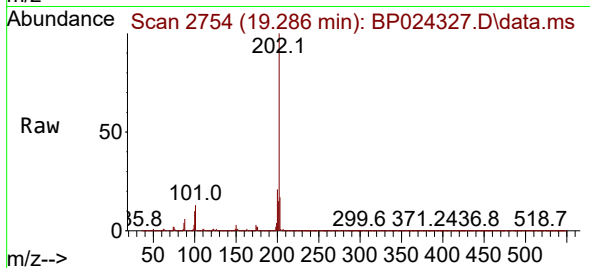
Tgt Ion:149 Resp: 2623835
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 44.558 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

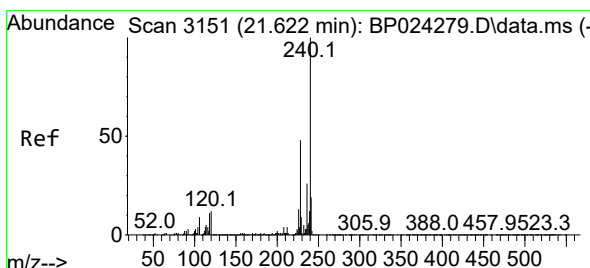
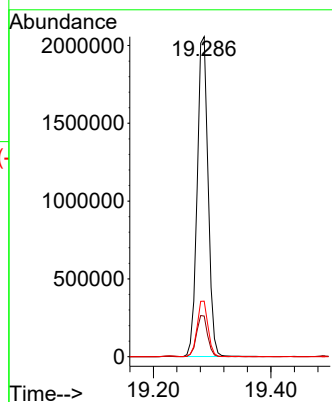
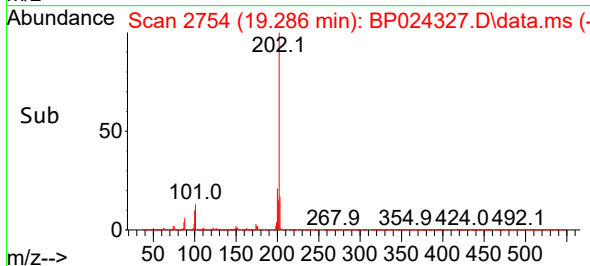
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



Tgt Ion:202 Resp: 264202
Ion Ratio Lower Upper
202 100
101 12.7 0.0 33.2
203 17.4 0.0 37.7

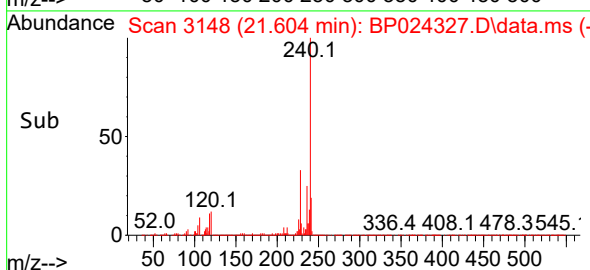
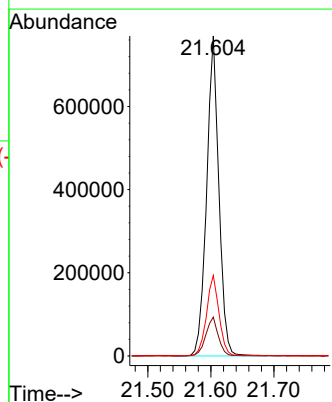
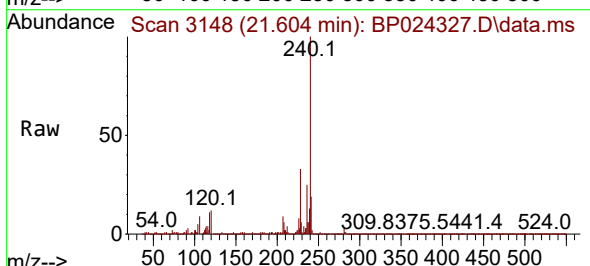
Manual Integrations
APPROVED

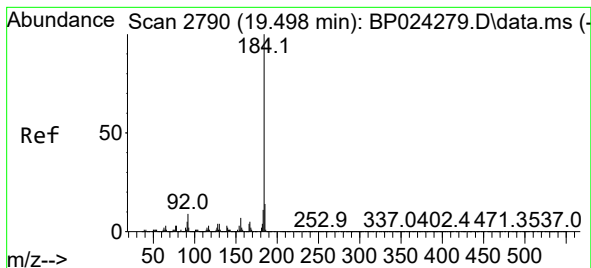
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 3148
Delta R.T. -0.018 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

Tgt Ion:240 Resp: 1033768
Ion Ratio Lower Upper
240 100
120 12.2 9.8 14.8
236 25.1 20.9 31.3





#77

Benzidine

Concen: 99.349 ng

RT: 19.492 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS

Tgt Ion:184 Resp: 130186

Ion Ratio Lower Upper

184 100

185 14.3 11.6 17.4

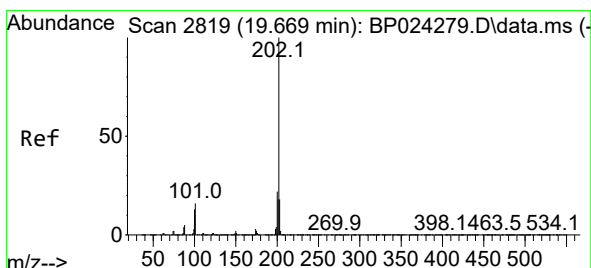
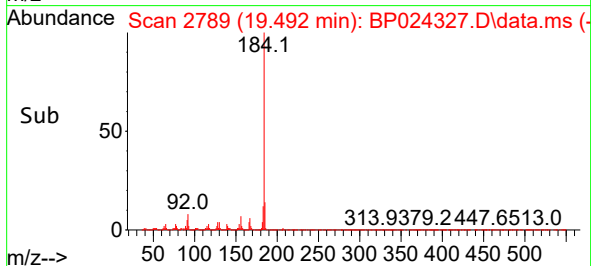
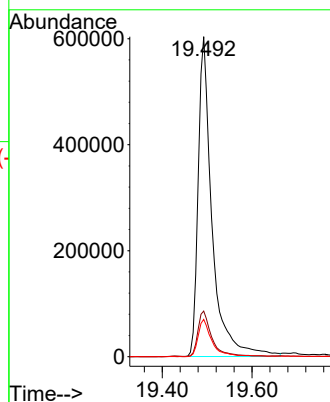
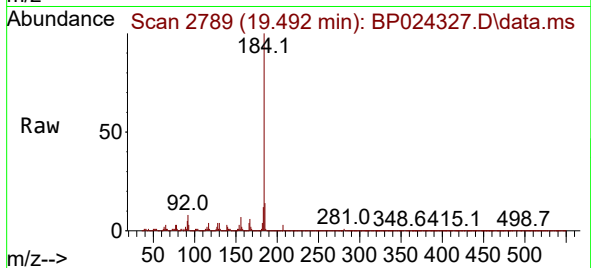
183 11.7 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#78

Pyrene

Concen: 42.537 ng

RT: 19.663 min Scan# 2818

Delta R.T. -0.023 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

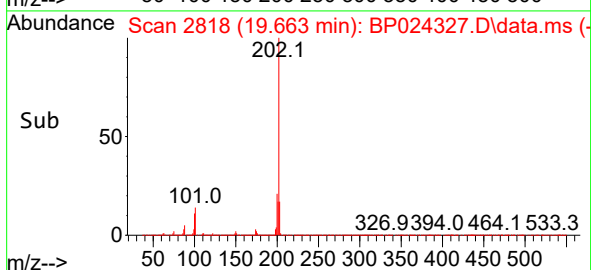
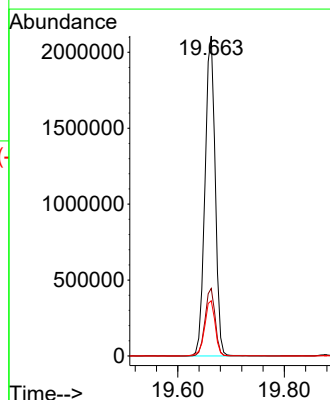
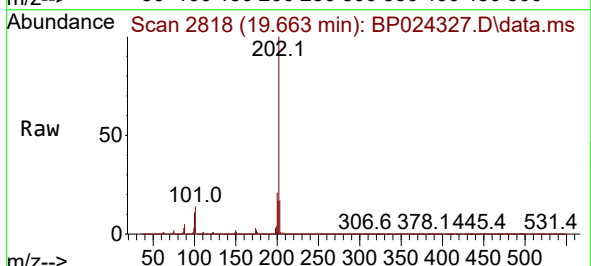
Tgt Ion:202 Resp: 2794585

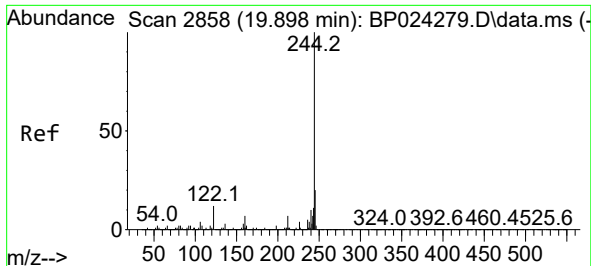
Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.3 14.4 21.6





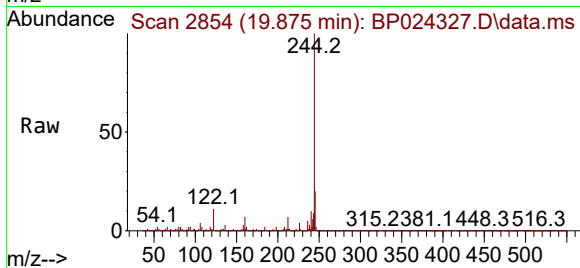
#79
 Terphenyl-d14
 Concen: 55.297 ng
 RT: 19.875 min Scan# 2854
 Delta R.T. -0.047 min
 Lab File: BP024327.D
 Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



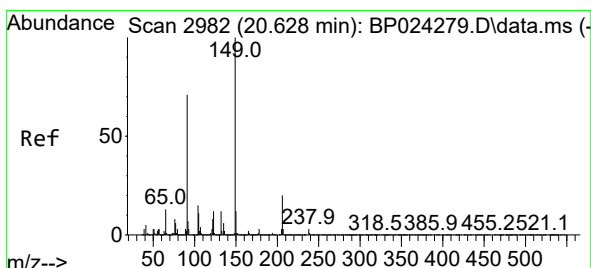
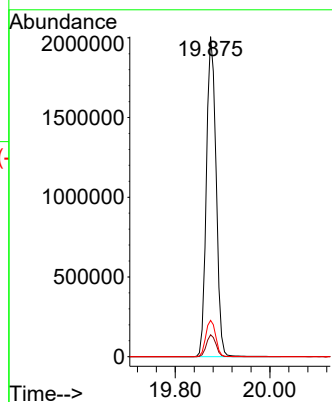
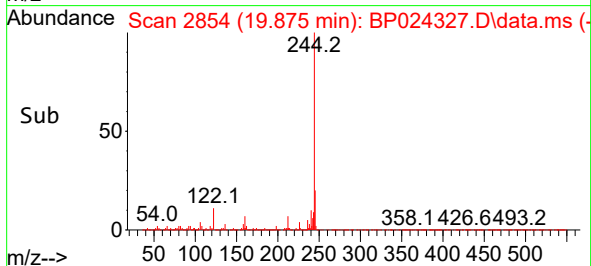
Tgt Ion:244 Resp: 283604
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.3 9.4 14.0

Manual Integrations

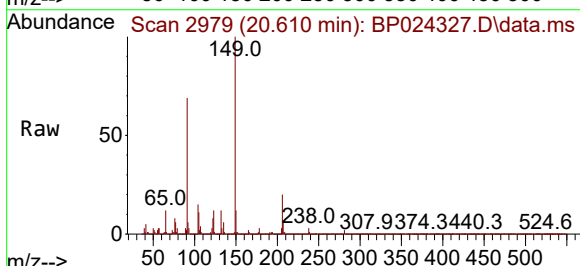
APPROVED

Reviewed By :Rahul Chavli 04/18/2025

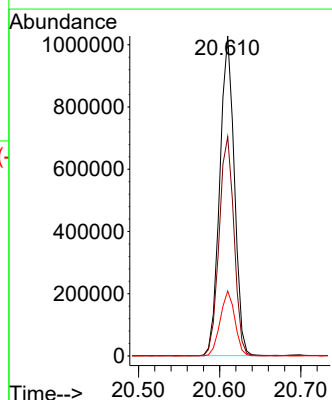
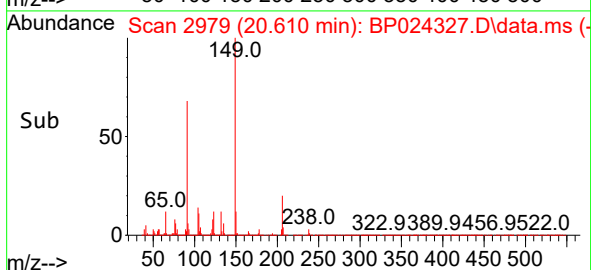
Supervised By :Jagrut Upadhyay 04/18/2025



#80
 Butylbenzylphthalate
 Concen: 45.661 ng
 RT: 20.610 min Scan# 2979
 Delta R.T. -0.035 min
 Lab File: BP024327.D
 Acq: 17 Apr 2025 15:20



Tgt Ion:149 Resp: 1284880
 Ion Ratio Lower Upper
 149 100
 91 68.5 56.4 84.6
 206 20.3 16.3 24.5





#81

Benzo(a)anthracene

Concen: 46.201 ng

RT: 21.580 min Scan# 3147

Delta R.T. -0.023 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS

Tgt Ion:228 Resp: 296862

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

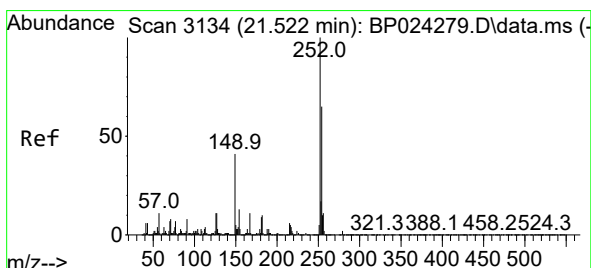
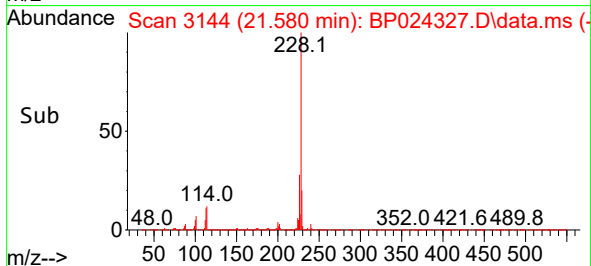
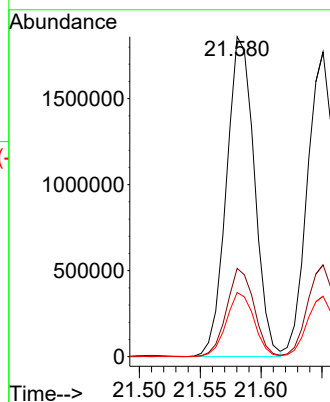
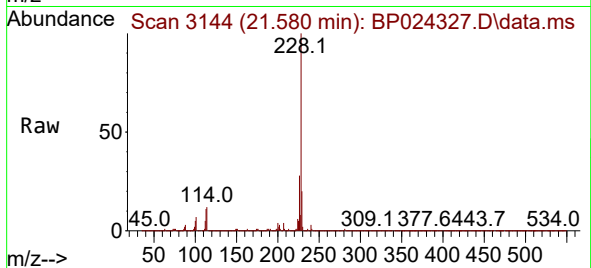
229 20.1 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#82

3,3'-Dichlorobenzidine

Concen: 39.083 ng

RT: 21.510 min Scan# 3132

Delta R.T. -0.029 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

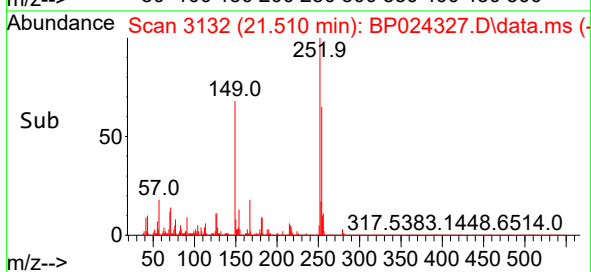
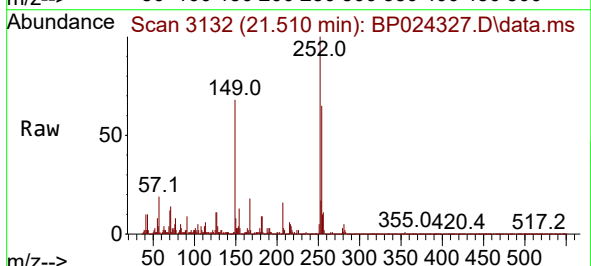
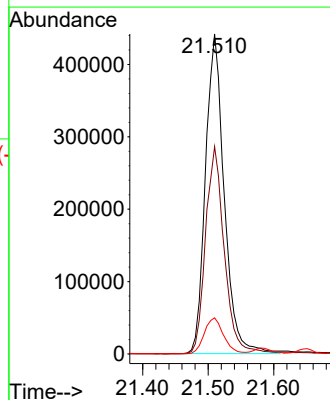
Tgt Ion:252 Resp: 881418

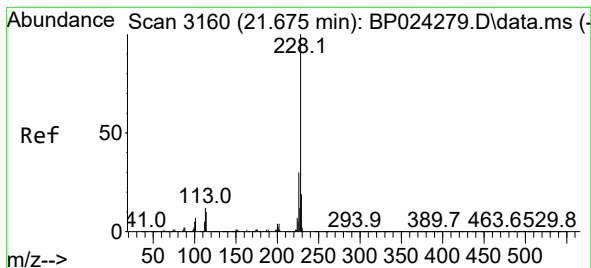
Ion Ratio Lower Upper

252 100

254 64.8 51.7 77.5

126 11.3 8.8 13.2





#83

Chrysene

Concen: 44.827 ng

RT: 21.651 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS

Tgt Ion:228 Resp: 275950

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.2

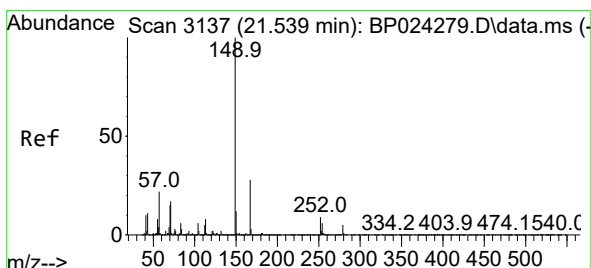
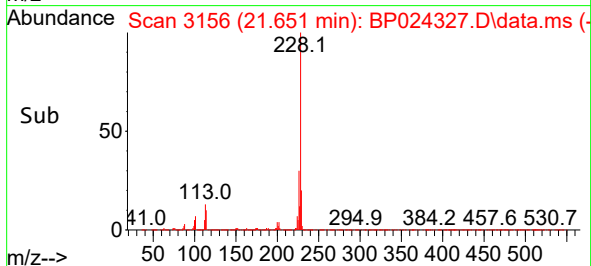
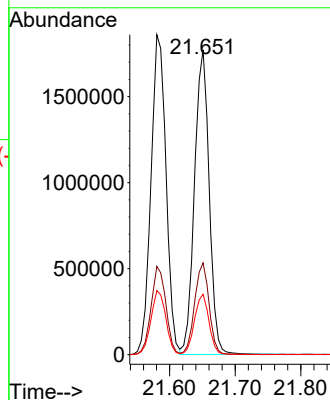
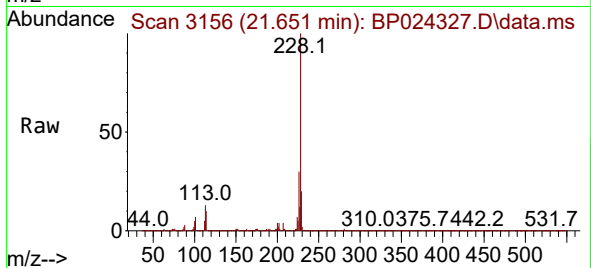
229 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.946 ng

RT: 21.527 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

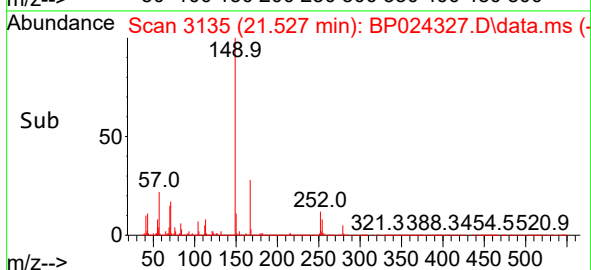
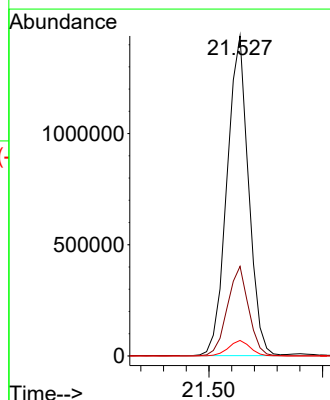
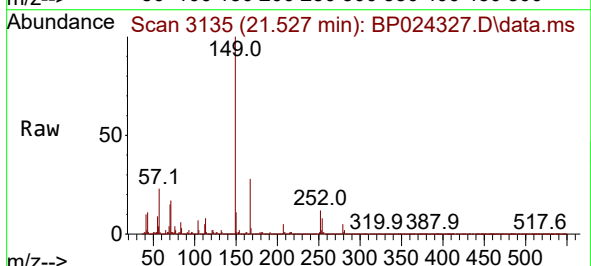
Tgt Ion:149 Resp: 1895349

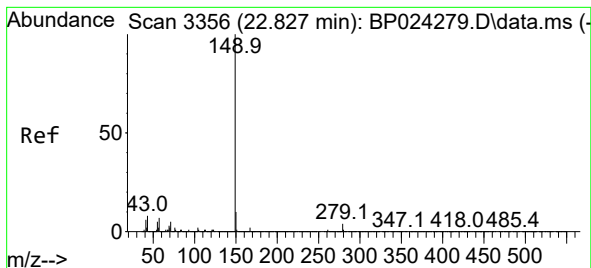
Ion Ratio Lower Upper

149 100

167 28.0 22.4 33.6

279 4.8 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 49.918 ng

RT: 22.810 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP024327.D

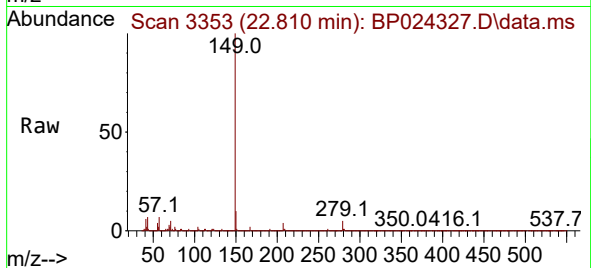
Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS



Tgt Ion:149 Resp: 334768

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

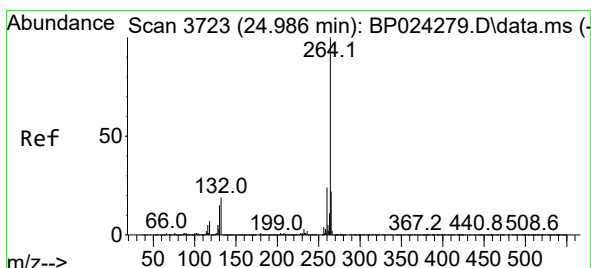
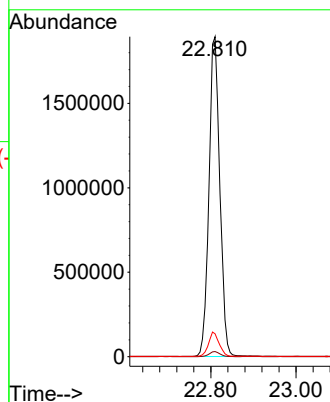
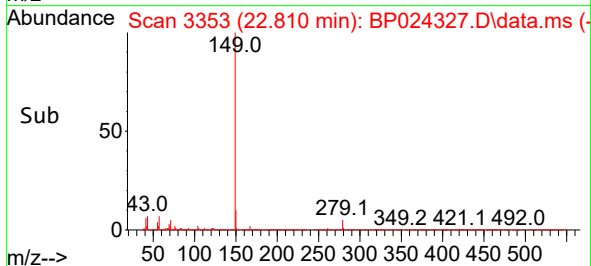
43 7.4 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.945 min Scan# 3716

Delta R.T. -0.041 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

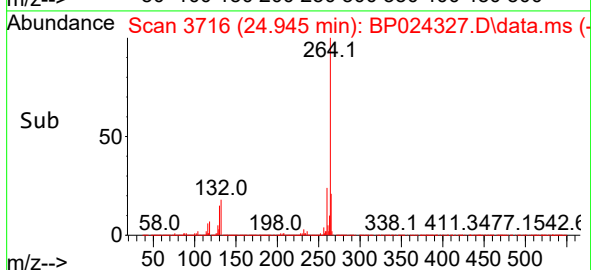
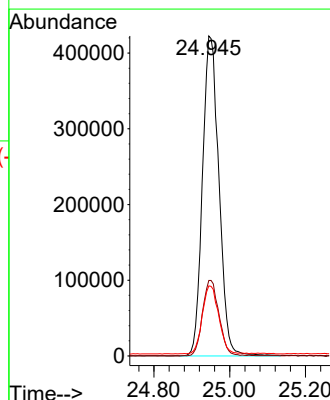
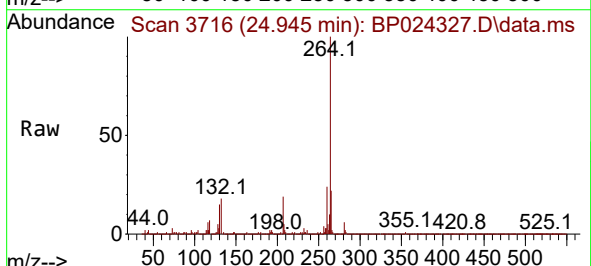
Tgt Ion:264 Resp: 1271915

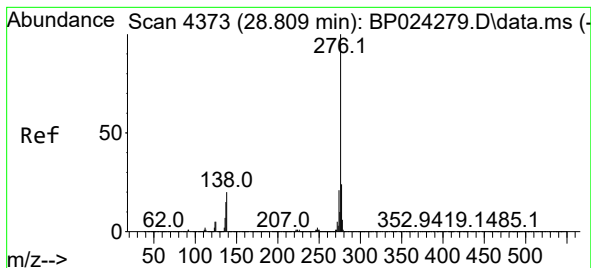
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.984 ng

RT: 28.774 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMS

Tgt Ion:276 Resp: 441368

Ion Ratio Lower Upper

276 100

138 17.7 14.5 21.7

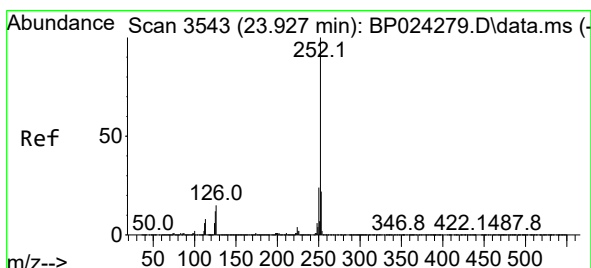
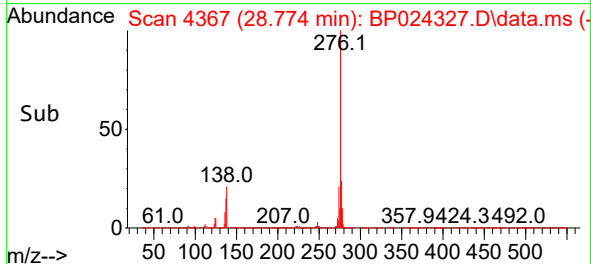
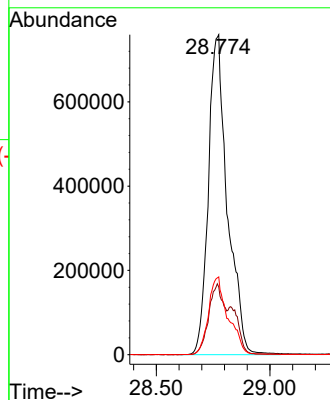
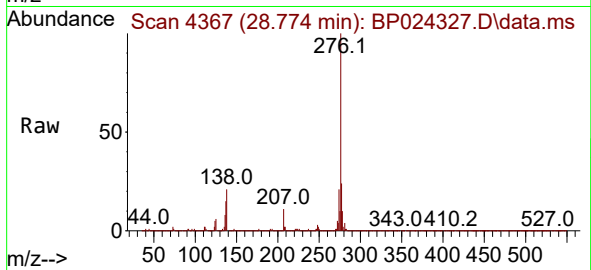
277 25.2 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#88

Benzo(b)fluoranthene

Concen: 42.764 ng

RT: 23.898 min Scan# 3538

Delta R.T. -0.035 min

Lab File: BP024327.D

Acq: 17 Apr 2025 15:20

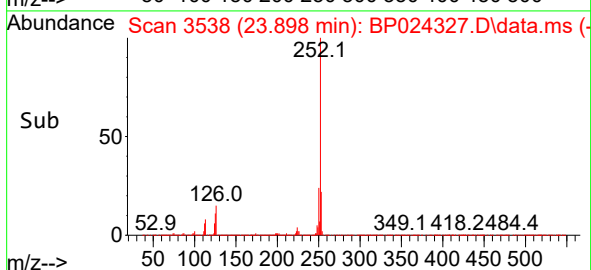
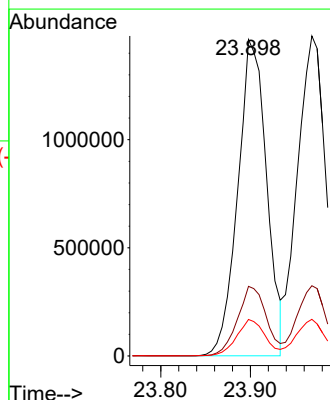
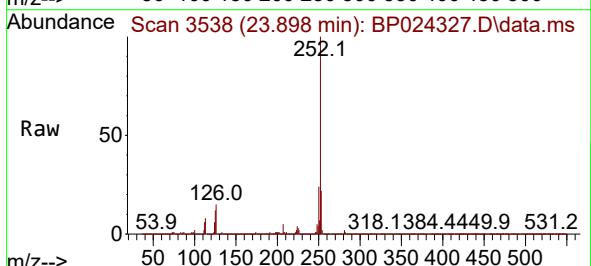
Tgt Ion:252 Resp: 3260338

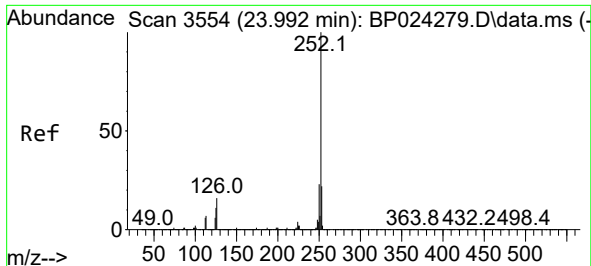
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

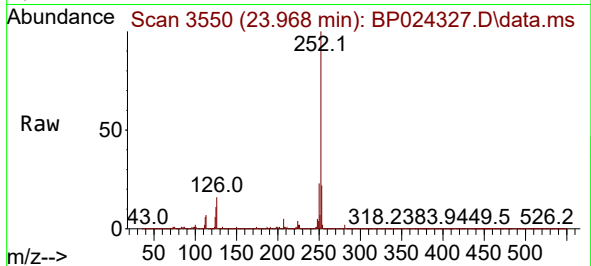
125 11.6 9.4 14.0





#89
Benzo(k)fluoranthene
Concen: 44.431 ng
RT: 23.968 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

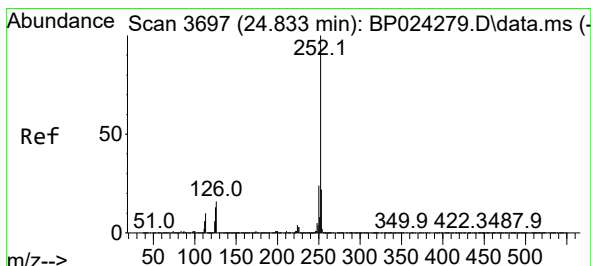
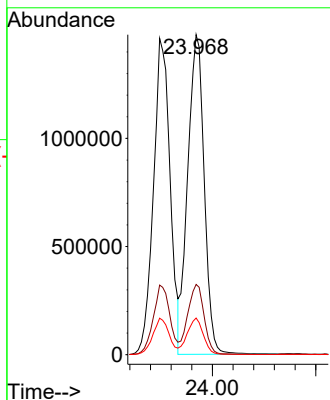
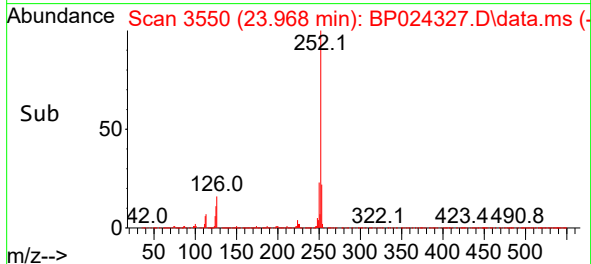
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



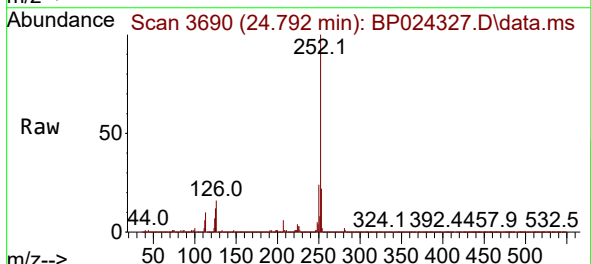
Tgt Ion:252 Resp: 327202
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 11.4 9.1 13.7

Manual Integrations
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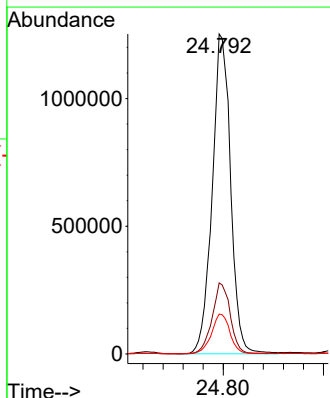
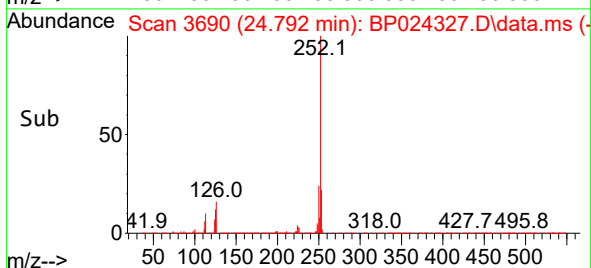
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

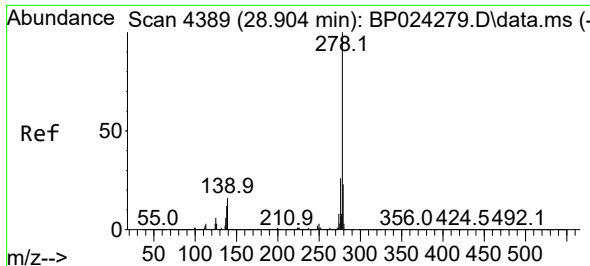


#90
Benzo(a)pyrene
Concen: 48.432 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.041 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



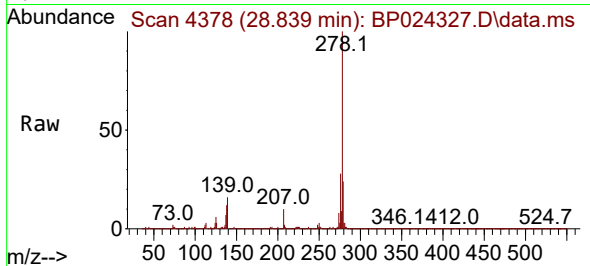
Tgt Ion:252 Resp: 3185071
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 12.4 10.1 15.1





#91
Dibenzo(a,h)anthracene
Concen: 49.127 ng
RT: 28.839 min Scan# 41
Delta R.T. -0.047 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20

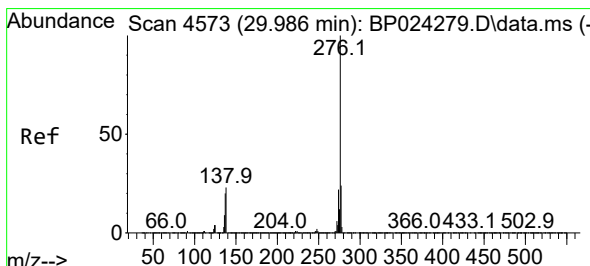
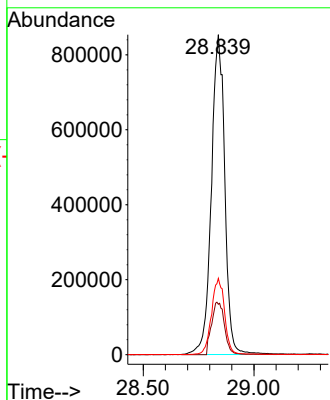
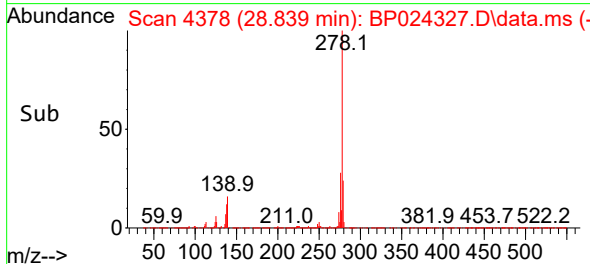
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMS



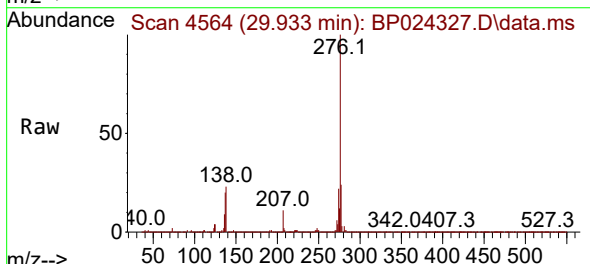
Tgt Ion:278 Resp: 360066
Ion Ratio Lower Upper
278 100
139 15.8 12.6 19.0
279 23.9 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#92
Benzo(g,h,i)perylene
Concen: 47.794 ng
RT: 29.933 min Scan# 4564
Delta R.T. -0.065 min
Lab File: BP024327.D
Acq: 17 Apr 2025 15:20



Tgt Ion:276 Resp: 3565495
Ion Ratio Lower Upper
276 100
277 23.7 18.9 28.3
138 23.0 18.7 28.1

