

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024328.D
 Acq On : 17 Apr 2025 16:01
 Operator : RC/JU
 Sample : Q1821-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGMSD

Manual Integrations
 APPROVED

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

Quant Time: Apr 17 16:27:13 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	7.722	152	259076	20.000	ng	0.00
21) Naphthalene-d8	10.498	136	987151	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	562727	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1041169	20.000	ng	-0.02
76) Chrysene-d12	21.598	240	1124343	20.000	ng	-0.02
86) Perylene-d12	24.956	264	1396094	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1411522	90.085	ng	0.00
7) Phenol-d6	6.910	99	1772849	82.631	ng	0.00
23) Nitrobenzene-d5	8.869	82	1056944	61.053	ng	-0.01
42) 2,4,6-Tribromophenol	15.875	330	643036	82.593	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	2194883	59.720	ng	-0.01
79) Terphenyl-d14	19.874	244	3096675	55.515	ng	-0.05
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	279357	42.151	ng	98
3) Pyridine	3.687	79	670524	38.314	ng	99
4) n-Nitrosodimethylamine	3.593	42	254229	43.772	ng	97
6) Aniline	7.075	93	452225	23.588	ng	98
8) 2-Chlorophenol	7.299	128	764691	43.712	ng	99
9) Benzaldehyde	6.875	77	408288	38.471	ng	97
10) Phenol	6.934	94	939793	43.666	ng	98
11) bis(2-Chloroethyl)ether	7.151	93	832977	48.036	ng	99
12) 1,3-Dichlorobenzene	7.616	146	823041	43.701	ng	99
13) 1,4-Dichlorobenzene	7.757	146	835275	43.711	ng	99
14) 1,2-Dichlorobenzene	8.075	146	797424	43.216	ng	99
15) Benzyl Alcohol	7.963	79	498870	35.955	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.240	45	790029	42.149	ng	98
17) 2-Methylphenol	8.169	107	608476	43.703	ng	98
18) Hexachloroethane	8.793	117	312887	45.308	ng	98
19) n-Nitroso-di-n-propyla...	8.522	70	508237	38.290	ng	99
20) 3+4-Methylphenols	8.493	107	803121	41.572	ng	99
22) Acetophenone	8.540	105	1054706	43.168	ng	100
24) Nitrobenzene	8.910	77	774549	45.227	ng	98
25) Isophorone	9.440	82	1412426	45.074	ng	99
26) 2-Nitrophenol	9.622	139	382361	45.622	ng	99
27) 2,4-Dimethylphenol	9.687	122	638512	60.675	ng	99
28) bis(2-Chloroethoxy)met...	9.916	93	884167	41.768	ng	100
29) 2,4-Dichlorophenol	10.157	162	630106	43.914	ng	100
30) 1,2,4-Trichlorobenzene	10.363	180	686480	44.654	ng	100
31) Naphthalene	10.551	128	2160233	41.543	ng	100
32) Benzoic acid	9.828	122	421792	34.398	ng	98
33) 4-Chloroaniline	10.692	127	647066m	35.336	ng	
34) Hexachlorobutadiene	10.834	225	413390	45.760	ng	99
35) Caprolactam	11.451	113	201906	38.136	ng	98
36) 4-Chloro-3-methylphenol	11.792	107	684062	40.930	ng	99
37) 2-Methylnaphthalene	12.163	142	1320999	36.631	ng	99
38) 1-Methylnaphthalene	12.381	142	1373415	38.930	ng	100
40) 1,2,4,5-Tetrachloroben...	12.534	216	709931	45.876	ng	98
41) Hexachlorocyclopentadiene	12.516	237	995952	181.972	ng	98
43) 2,4,6-Trichlorophenol	12.781	196	471589	45.836	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.851	196	511995	44.938	ng	98
46) 1,1'-Biphenyl	13.181	154	1790601	43.289	ng	99
47) 2-Chloronaphthalene	13.222	162	1383857	44.764	ng	99
48) 2-Nitroaniline	13.428	65	401592	46.311	ng	98
49) Acenaphthylene	14.075	152	2263156	46.498	ng	100
50) Dimethylphthalate	13.810	163	1689579	41.287	ng	99
51) 2,6-Dinitrotoluene	13.928	165	372504	42.867	ng	97
52) Acenaphthene	14.422	154	1300427	42.144	ng	99
53) 3-Nitroaniline	14.269	138	394749	43.222	ng	96
54) 2,4-Dinitrophenol	14.475	184	477156	93.218	ng	97
55) Dibenzofuran	14.757	168	2021384	40.077	ng	98
56) 4-Nitrophenol	14.598	139	699297	88.655	ng	98
57) 2,4-Dinitrotoluene	14.728	165	524351	44.234	ng	100
58) Fluorene	15.416	166	1598862	40.949	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	440404	41.911	ng	99
60) Diethylphthalate	15.192	149	1681000	39.861	ng	100
61) 4-Chlorophenyl-phenyle...	15.416	204	771713	40.701	ng	100
62) 4-Nitroaniline	15.445	138	415467	42.971	ng	94
63) Azobenzene	15.716	77	1881103	48.531	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	293124	44.655	ng	98
66) n-Nitrosodiphenylamine	15.639	169	1390061	44.730	ng	99
67) 4-Bromophenyl-phenylether	16.333	248	497858	43.721	ng	100
68) Hexachlorobenzene	16.445	284	608763	44.990	ng	95
69) Atrazine	16.627	200	443115	55.985	ng	98
70) Pentachlorophenol	16.804	266	838382	88.816	ng	99
71) Phenanthrene	17.204	178	2472978	43.539	ng	100
72) Anthracene	17.298	178	2502684	45.718	ng	100
73) Carbazole	17.580	167	2378089	44.460	ng	100
74) Di-n-butylphthalate	18.169	149	2967744	44.535	ng	100
75) Fluoranthene	19.280	202	2940292	43.526	ng	100
77) Benzidine	19.486	184	1654230	116.070	ng	99
78) Pyrene	19.657	202	3030680	42.415	ng	100
80) Butylbenzylphthalate	20.610	149	1394581	45.567	ng	95
81) Benzo(a)anthracene	21.580	228	3128087	44.761	ng	100
82) 3,3'-Dichlorobenzidine	21.504	252	855827	34.891	ng	100
83) Chrysene	21.645	228	2943042	43.957	ng	99
84) Bis(2-ethylhexyl)phtha...	21.521	149	2051948	45.735	ng	99
85) Di-n-octyl phthalate	22.798	149	3565788	48.887	ng	100
87) Indeno(1,2,3-cd)pyrene	28.756	276	4731750	48.820	ng	95
88) Benzo(b)fluoranthene	23.892	252	3493620	41.748	ng	100
89) Benzo(k)fluoranthene	23.968	252	3456251	42.758	ng	99
90) Benzo(a)pyrene	24.792	252	3430513	47.524	ng	99
91) Dibenzo(a,h)anthracene	28.833	278	3871306	48.121	ng	98
92) Benzo(g,h,i)perylene	29.950	276	3818194	46.628	ng	98

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

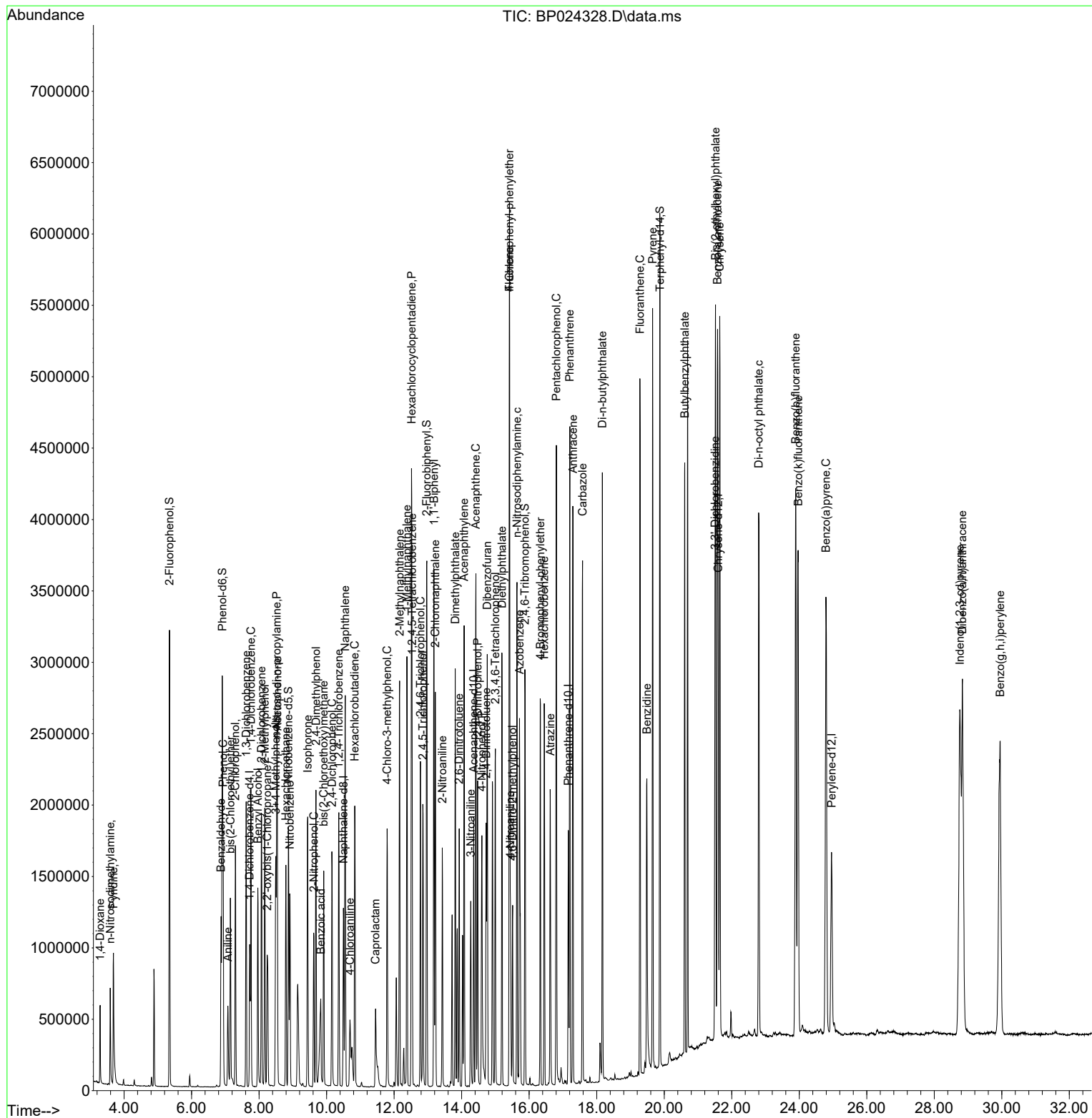
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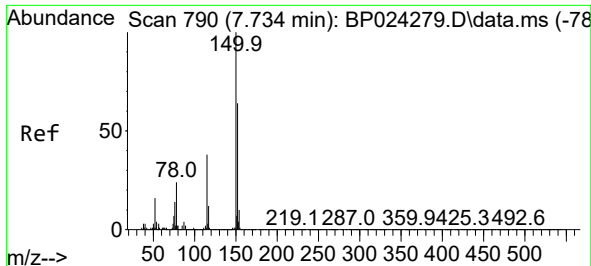
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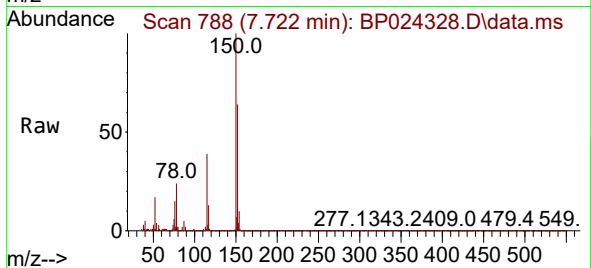
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 790
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

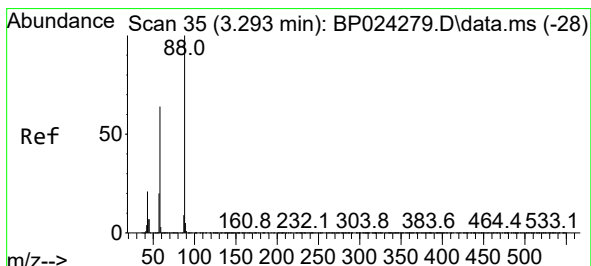
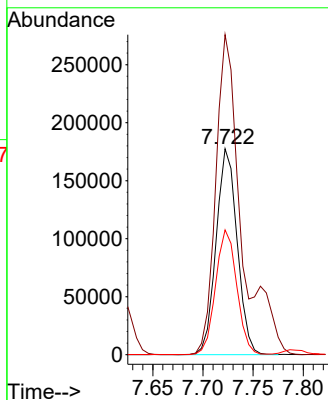
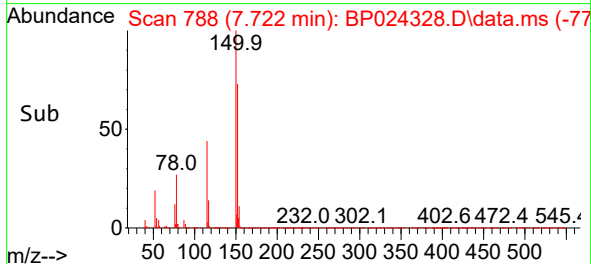
Instrument :
BNA_P
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Tgt Ion:152 Resp: 259070
Ion Ratio Lower Upper
152 100
150 155.4 124.9 187.3
115 60.6 47.7 71.5

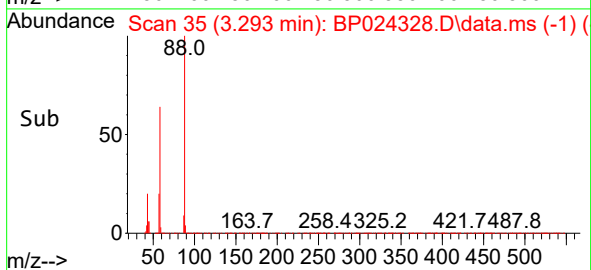
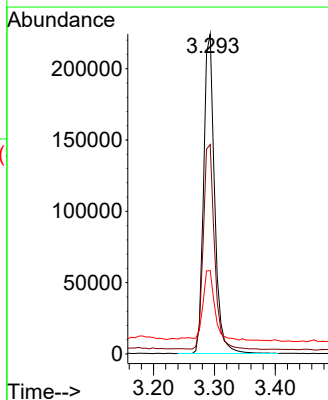
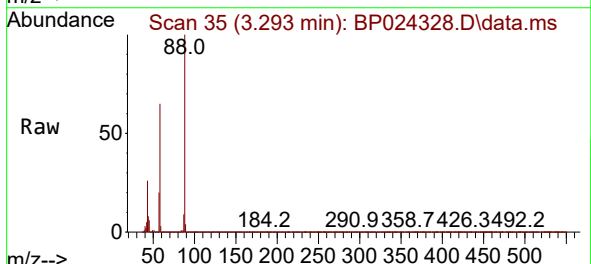
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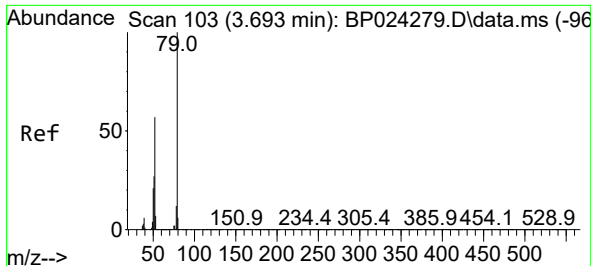
Reviewed By :Rahul Chavli 04/18/2025
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#2
1,4-Dioxane
Concen: 42.151 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

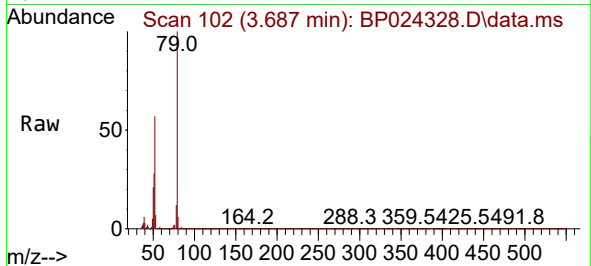
Tgt Ion: 88 Resp: 279357
Ion Ratio Lower Upper
88 100
58 65.8 51.4 77.2
43 22.7 17.1 25.7





#3
Pyridine
Concen: 38.314 ng
RT: 3.687 min Scan# 103
Delta R.T. -0.000 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

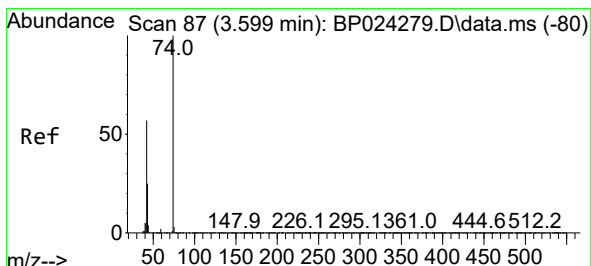
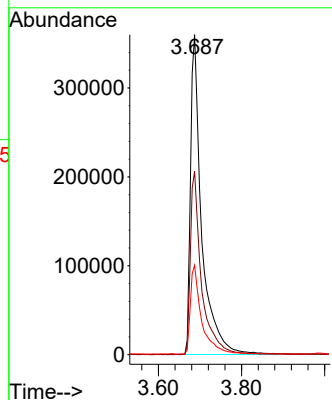
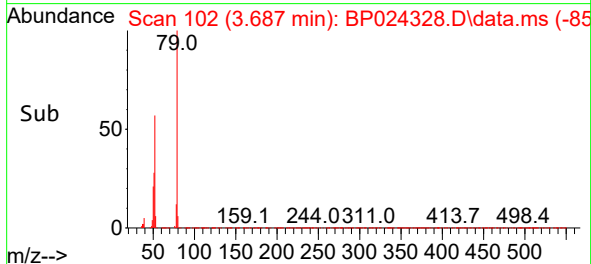
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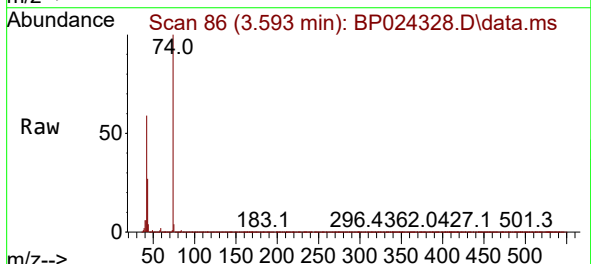
Tgt Ion: 79 Resp: 670524
Ion Ratio Lower Upper
79 100
52 57.4 45.4 68.2
51 27.9 22.6 33.8

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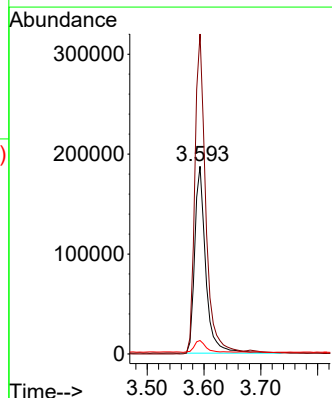
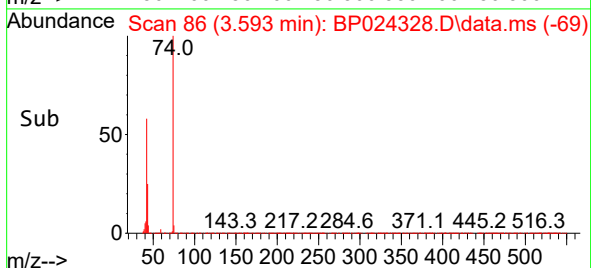
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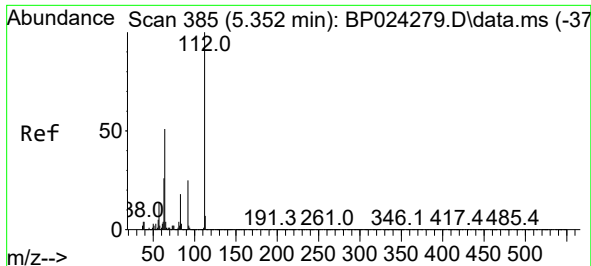


#4
n-Nitrosodimethylamine
Concen: 43.772 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.000 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



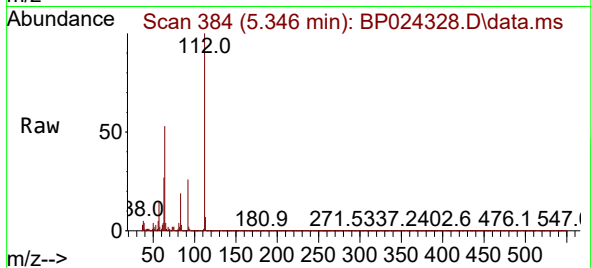
Tgt Ion: 42 Resp: 254229
Ion Ratio Lower Upper
42 100
74 170.6 139.5 209.3
44 7.2 5.8 8.8





#5
2-Fluorophenol
Concen: 90.085 ng
RT: 5.346 min Scan# 385
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

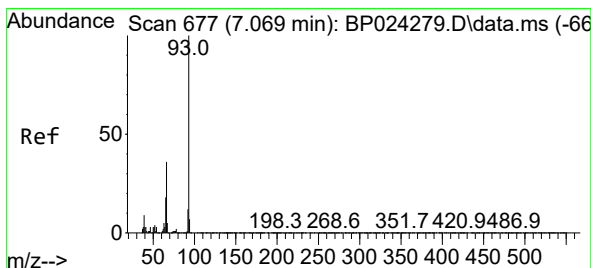
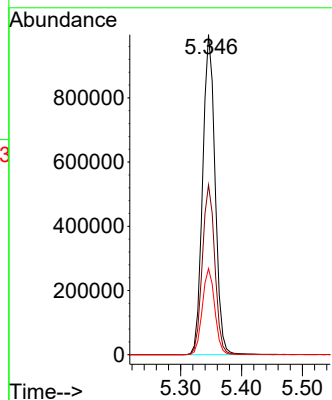
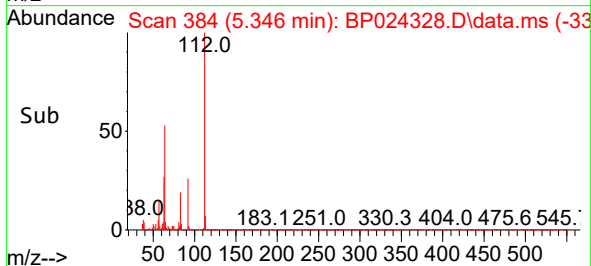
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Tgt Ion: 112 Resp: 141152
Ion Ratio Lower Upper
112 100
64 53.0 41.1 61.7
63 26.9 20.6 30.8

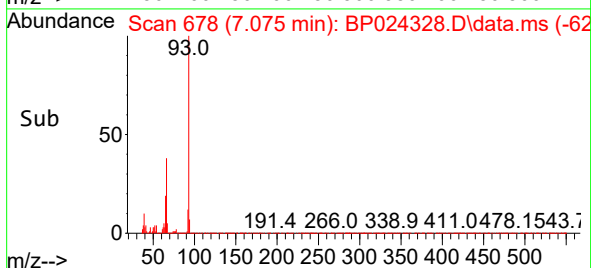
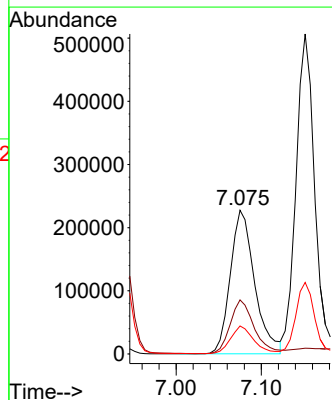
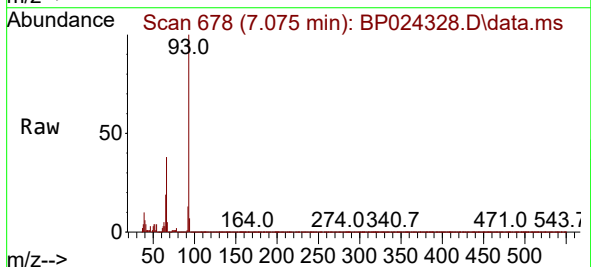
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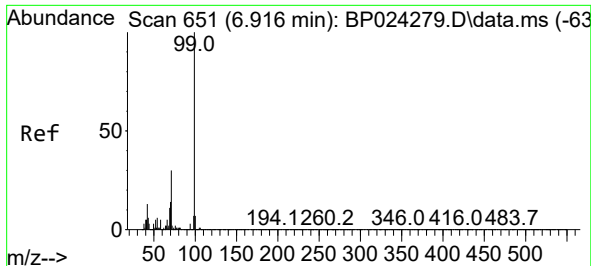
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#6
Aniline
Concen: 23.588 ng
RT: 7.075 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

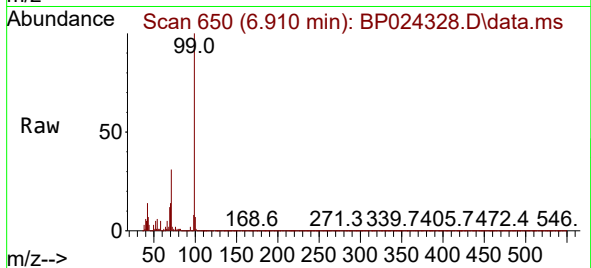
Tgt Ion: 93 Resp: 452225
Ion Ratio Lower Upper
93 100
66 37.6 29.1 43.7
65 19.4 14.7 22.1





#7
Phenol-d6
Concen: 82.631 ng
RT: 6.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024328.D
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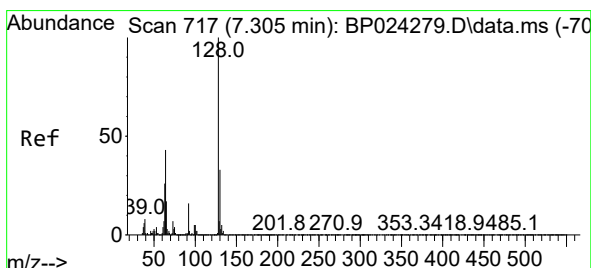
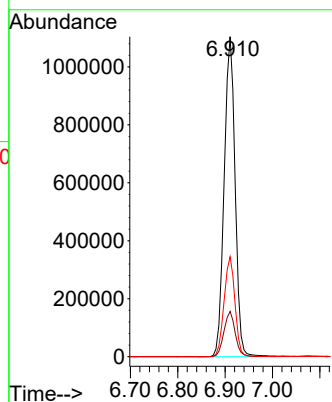
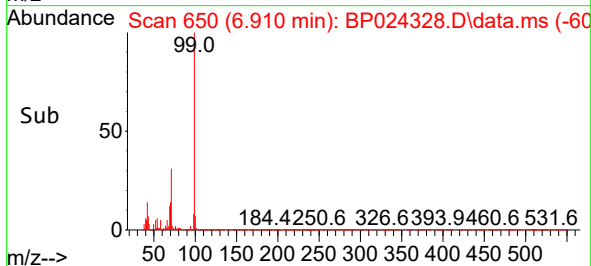
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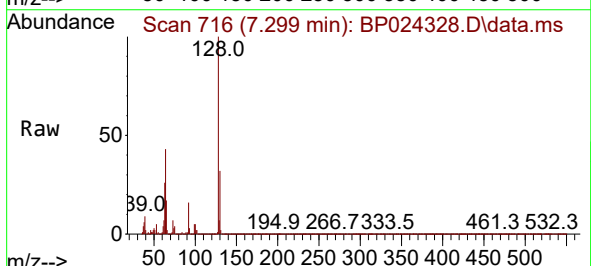
Tgt Ion: 99 Resp: 1772849
Ion Ratio Lower Upper
99 100
42 14.1 10.6 16.0
71 31.3 23.7 35.5

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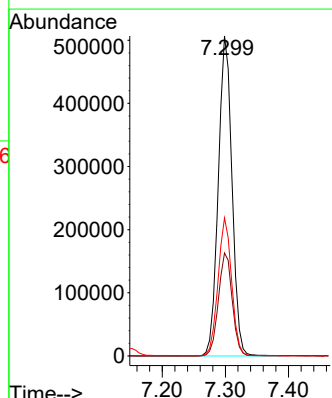
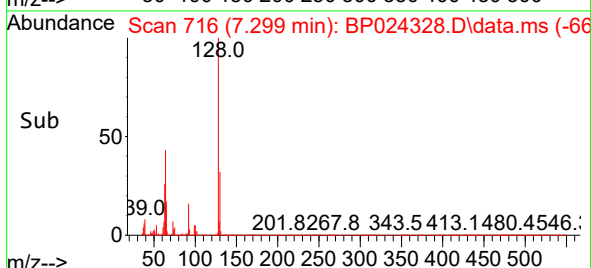
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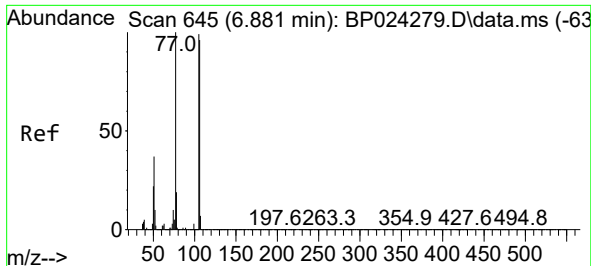


#8
2-Chlorophenol
Concen: 43.712 ng
RT: 7.299 min Scan# 716
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



Tgt Ion:128 Resp: 764691
Ion Ratio Lower Upper
128 100
130 32.2 12.9 52.9
64 43.2 22.7 62.7





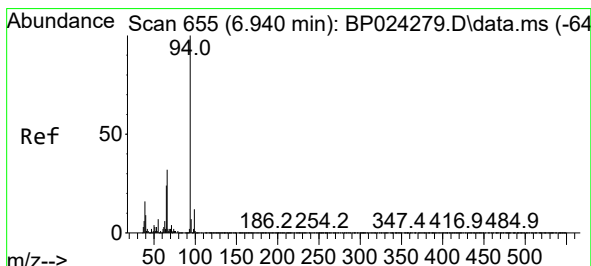
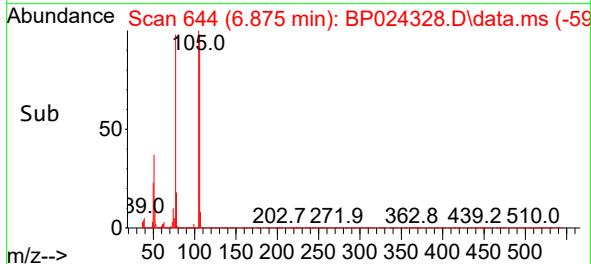
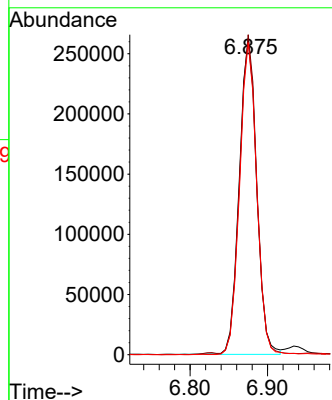
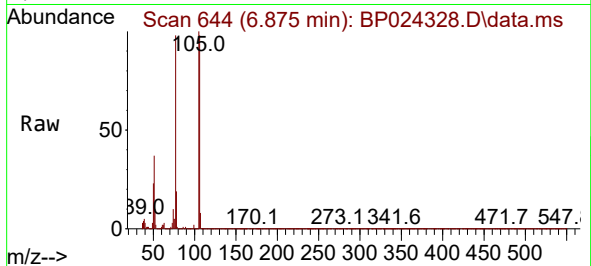
#9
Benzaldehyde
Concen: 38.471 ng
RT: 6.875 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP024328.D
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Tgt Ion: 77 Resp: 40828
Ion Ratio Lower Upper
77 100
105 101.8 79.2 119.2
106 99.3 76.2 116.2

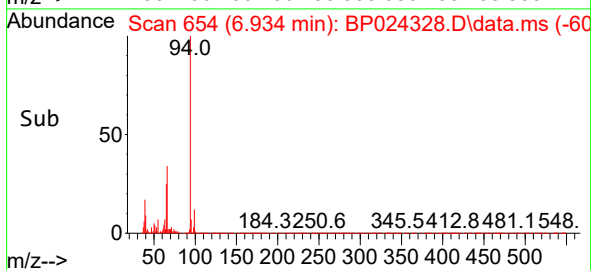
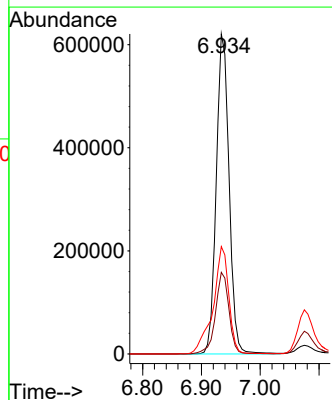
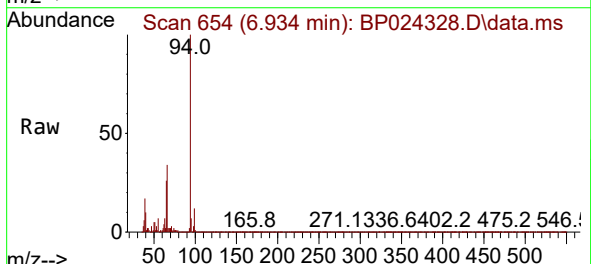
Manual Integrations
APPROVED

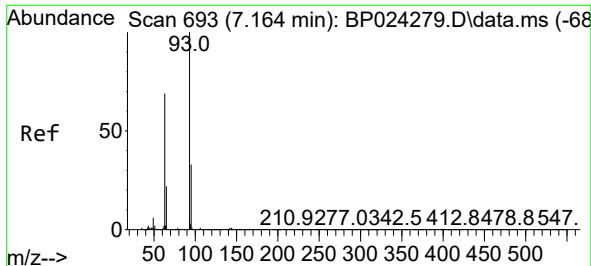
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#10
Phenol
Concen: 43.666 ng
RT: 6.934 min Scan# 654
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

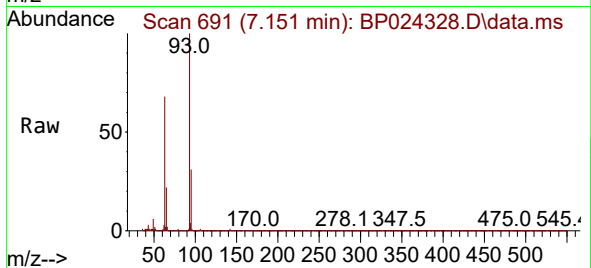
Tgt Ion: 94 Resp: 939793
Ion Ratio Lower Upper
94 100
65 25.5 4.5 44.5
66 33.6 12.4 52.4





#11
bis(2-Chloroethyl)ether
Concen: 48.036 ng
RT: 7.151 min Scan# 693
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

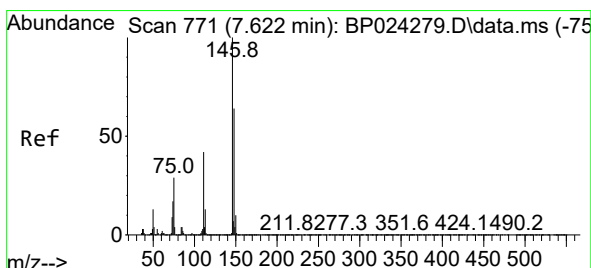
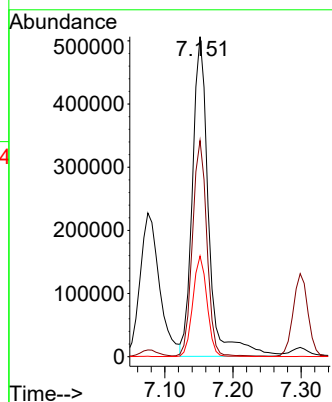
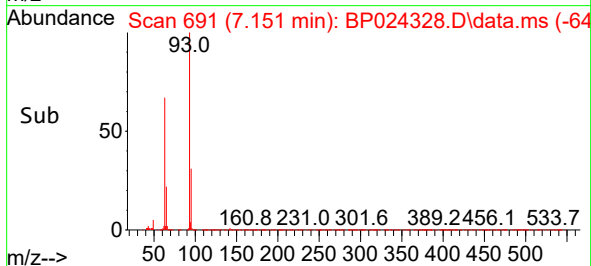
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



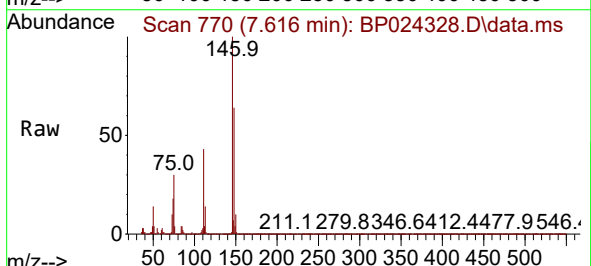
Tgt Ion: 93 Resp: 83297
Ion Ratio Lower Upper
93 100
63 67.6 48.6 88.6
95 31.5 12.3 52.3

Manual Integrations
APPROVED

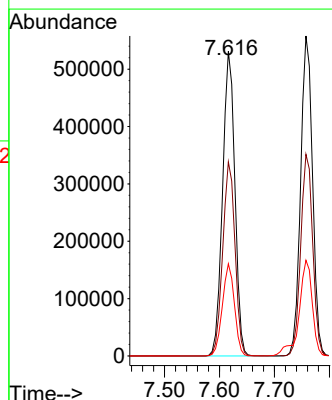
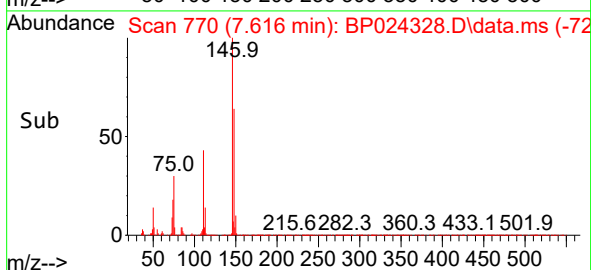
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

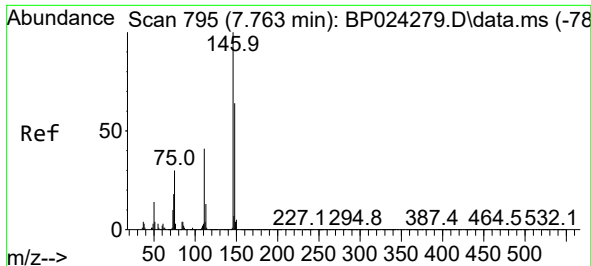


#12
1,3-Dichlorobenzene
Concen: 43.701 ng
RT: 7.616 min Scan# 770
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



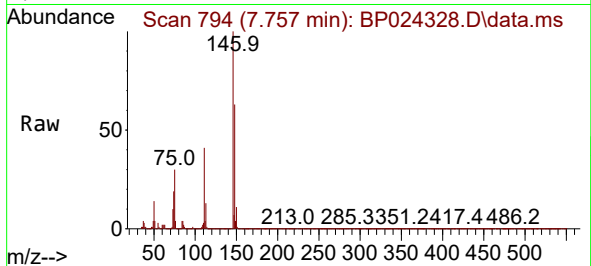
Tgt Ion:146 Resp: 823041
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.0
75 30.3 22.9 34.3





#13
1,4-Dichlorobenzene
Concen: 43.711 ng
RT: 7.757 min Scan# 794
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

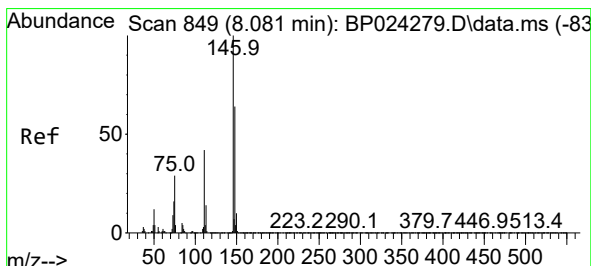
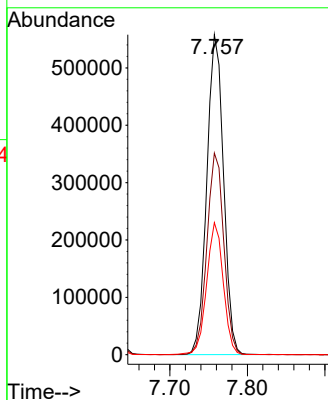
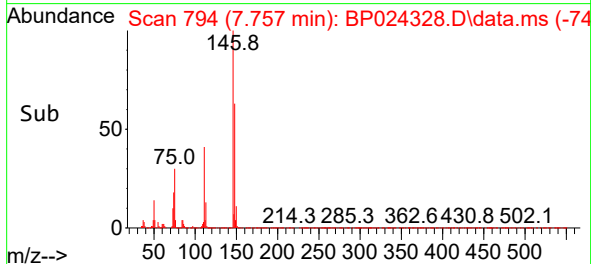
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:146 Resp: 835279
Ion Ratio Lower Upper
146 100
148 63.0 51.1 76.7
111 41.2 32.6 48.8

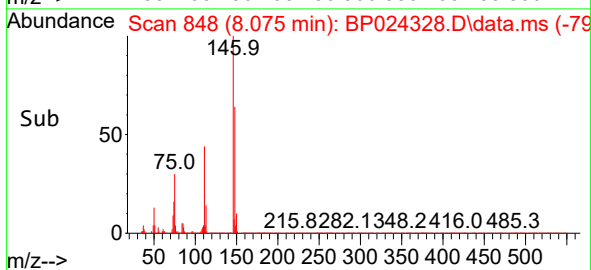
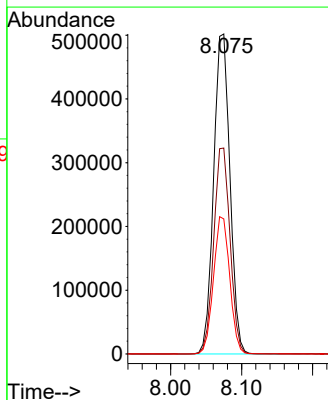
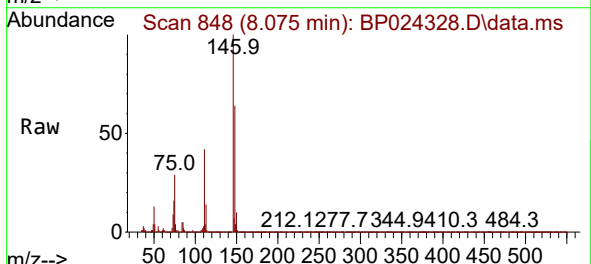
Manual Integrations
APPROVED

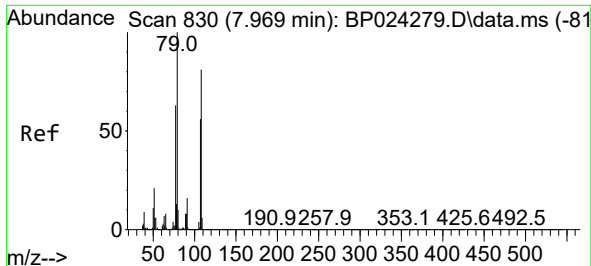
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#14
1,2-Dichlorobenzene
Concen: 43.216 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.000 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

Tgt Ion:146 Resp: 797424
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.4
111 42.2 33.8 50.8





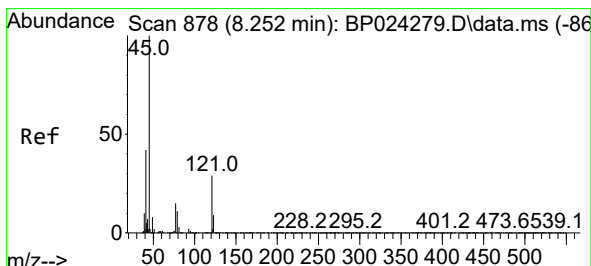
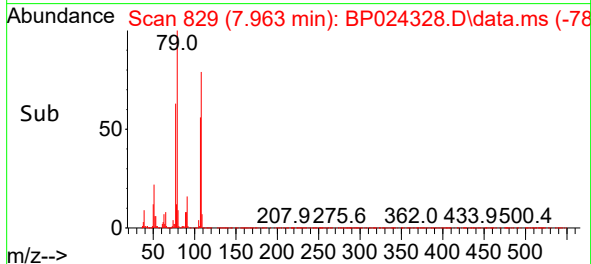
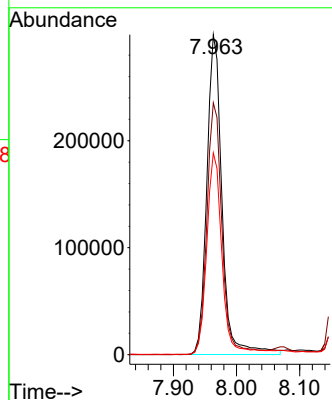
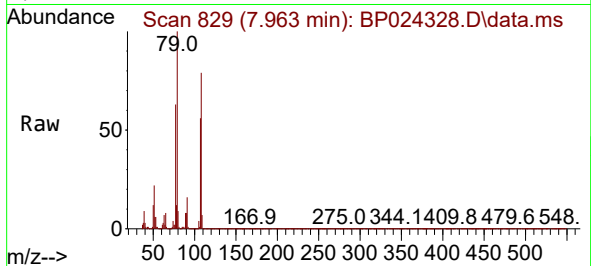
#15
Benzyl Alcohol
Concen: 35.955 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD

Tgt Ion: 79 Resp: 498870
Ion Ratio Lower Upper
79 100
108 78.7 65.1 97.7
77 63.1 50.7 76.1

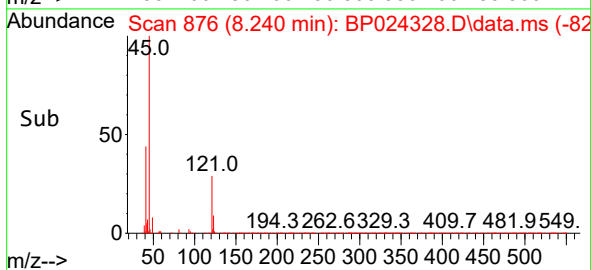
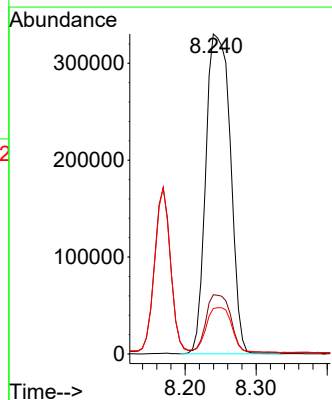
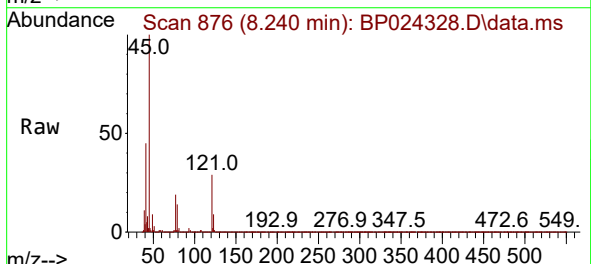
Manual Integrations
APPROVED

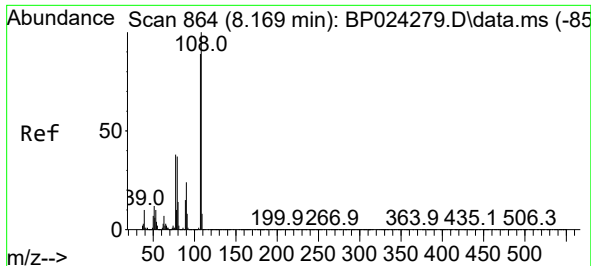
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.149 ng
RT: 8.240 min Scan# 876
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

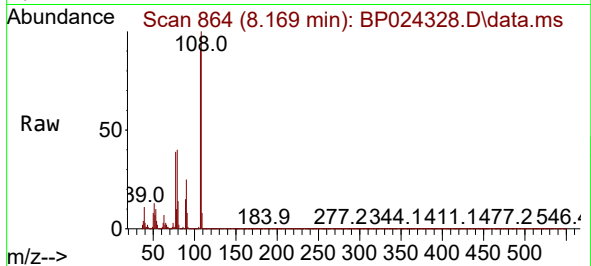
Tgt Ion: 45 Resp: 790029
Ion Ratio Lower Upper
45 100
77 18.5 0.0 37.7
79 14.2 0.0 33.5





#17
2-Methylphenol
Concen: 43.703 ng
RT: 8.169 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

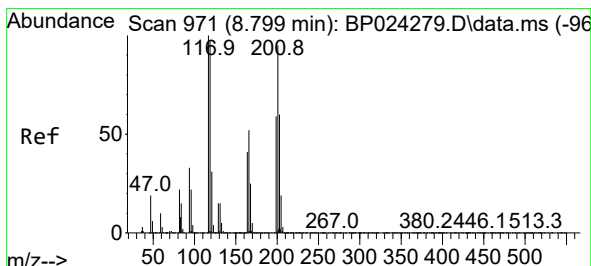
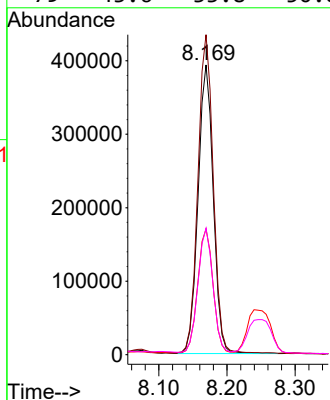
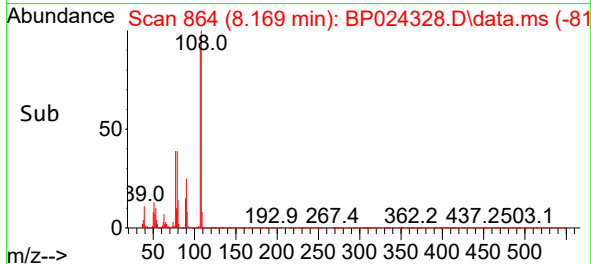
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



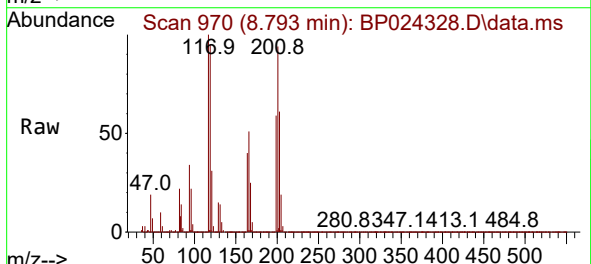
Tgt Ion:107 Resp: 608470
Ion Ratio Lower Upper
107 100
108 110.5 89.8 134.6
77 43.4 34.2 51.4
79 43.6 33.8 50.8

Manual Integrations
APPROVED

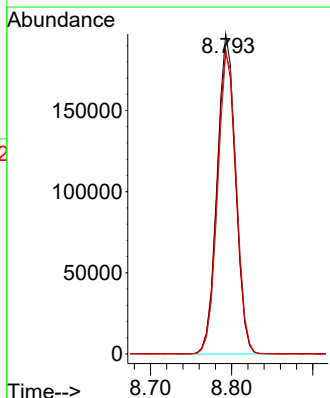
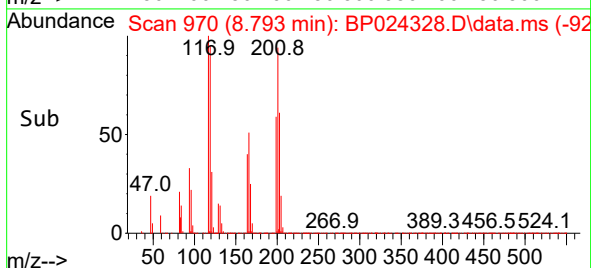
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

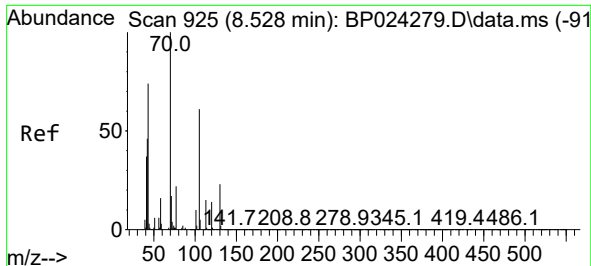


#18
Hexachloroethane
Concen: 45.308 ng
RT: 8.793 min Scan# 970
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



Tgt Ion:117 Resp: 312887
Ion Ratio Lower Upper
117 100
119 95.1 77.8 116.6
201 93.9 75.9 113.9





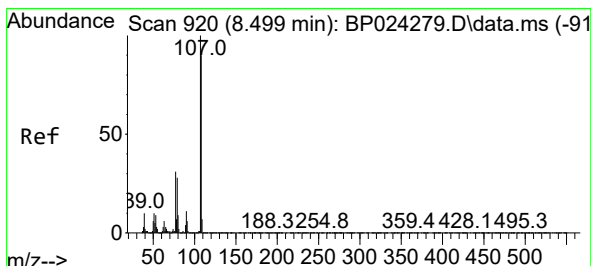
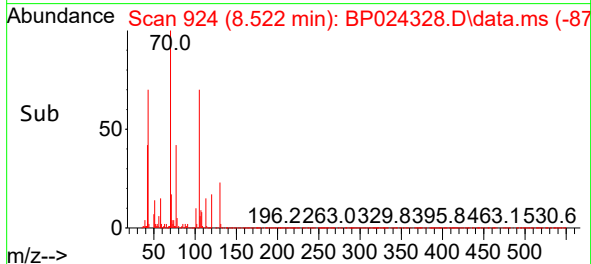
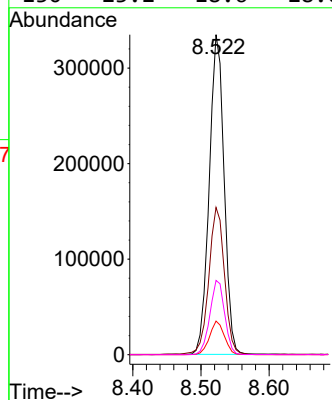
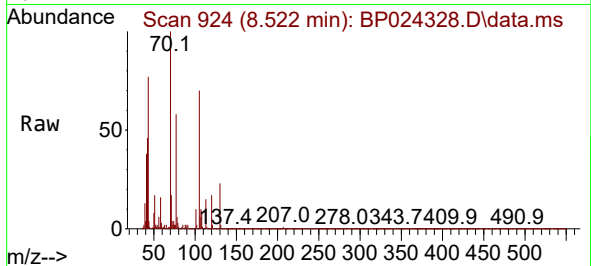
#19
n-Nitroso-di-n-propylamine
Concen: 38.290 ng
RT: 8.522 min Scan# 919
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD

Tgt Ion: 70 Resp: 50823
Ion Ratio Lower Upper
70 100
42 46.0 37.3 55.9
101 10.5 8.2 12.4
130 23.2 18.6 28.0

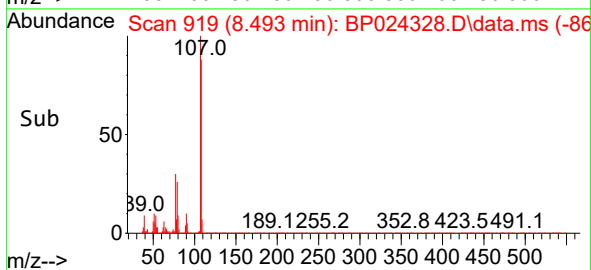
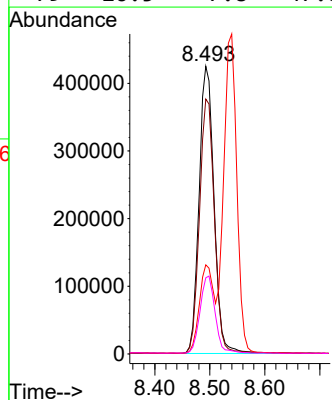
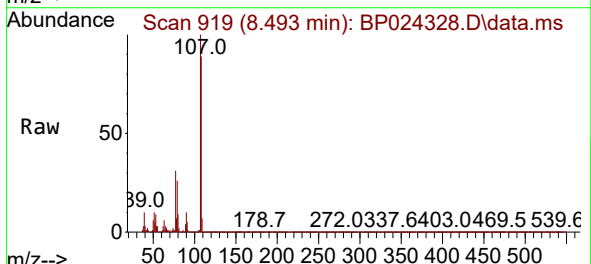
Manual Integrations
APPROVED

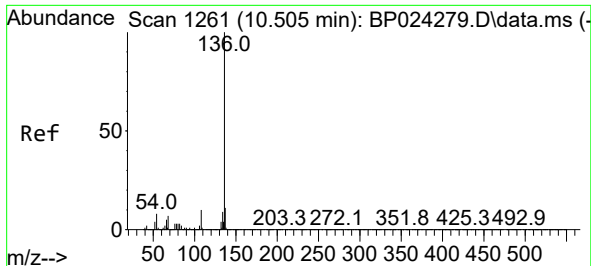
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#20
3+4-Methylphenols
Concen: 41.572 ng
RT: 8.493 min Scan# 919
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

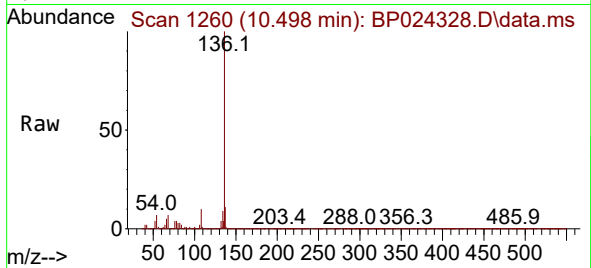
Tgt Ion:107 Resp: 803121
Ion Ratio Lower Upper
107 100
108 88.6 69.8 109.8
77 31.0 11.5 51.5
79 26.5 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

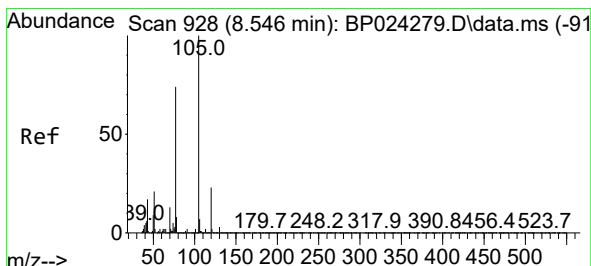
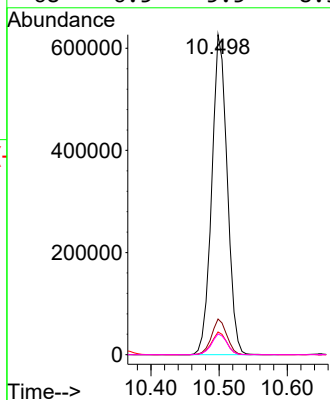
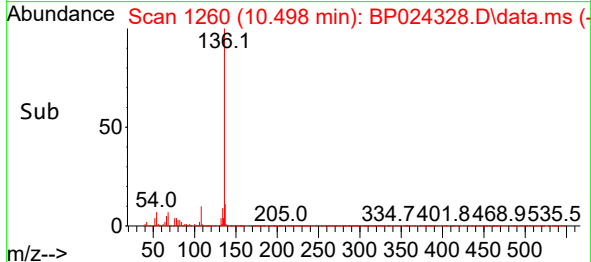
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



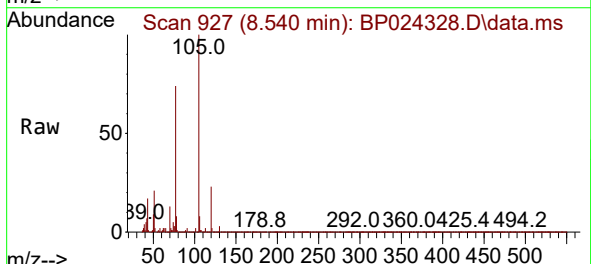
Tgt Ion:136 Resp: 98715
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.1 6.0 9.0
68 6.5 5.5 8.3

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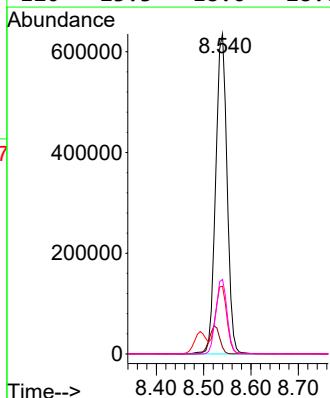
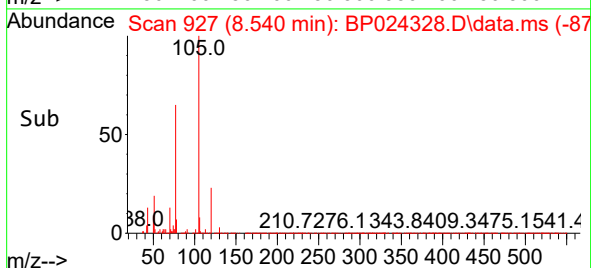
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

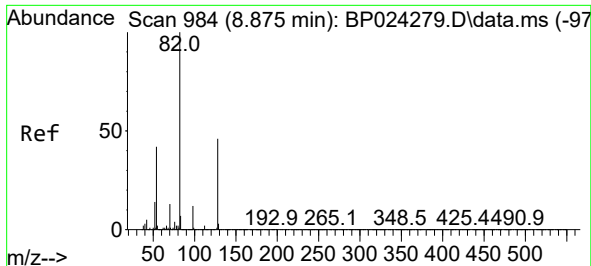


#22
Acetophenone
Concen: 43.168 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



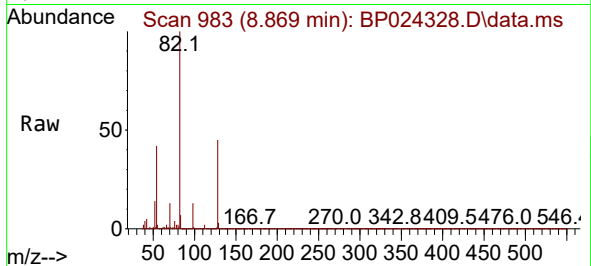
Tgt Ion:105 Resp: 1054706
Ion Ratio Lower Upper
105 100
71 2.1 1.7 2.5
51 21.2 16.9 25.3
120 23.3 18.6 28.0





#23
Nitrobenzene-d5
Concen: 61.053 ng
RT: 8.869 min Scan# 984
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

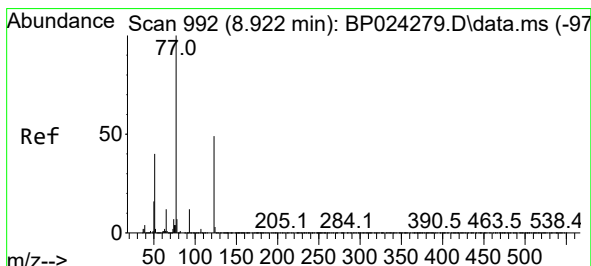
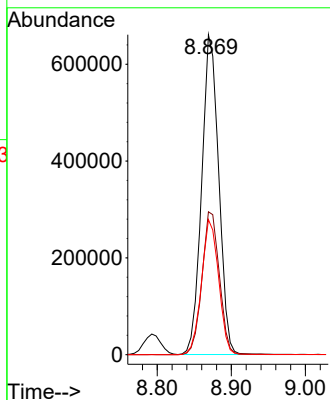
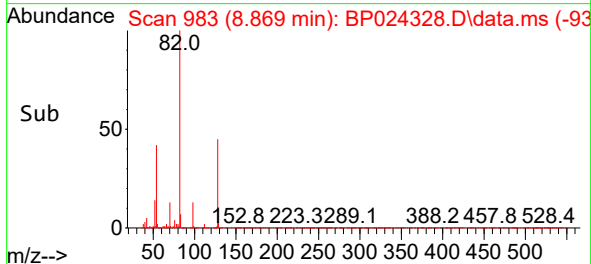
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion: 82 Resp: 105694
Ion Ratio Lower Upper
82 100
128 44.6 36.5 54.7
54 42.2 33.4 50.2

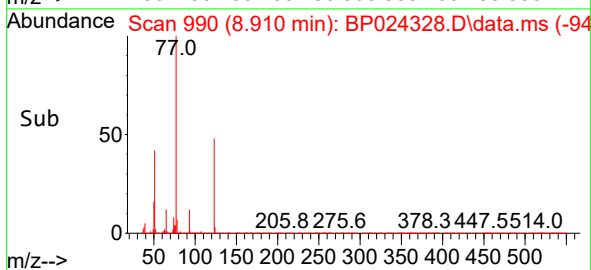
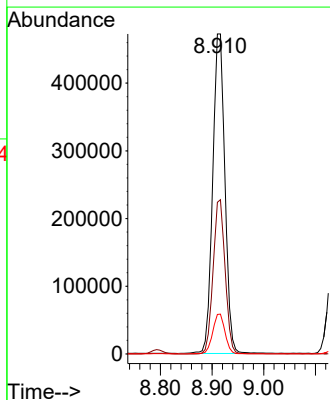
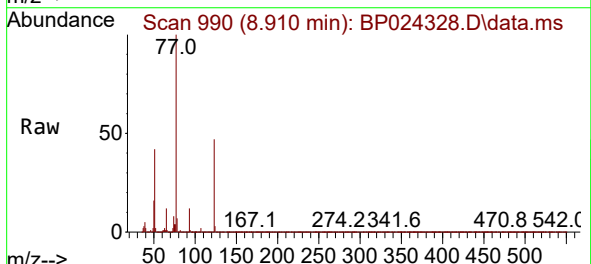
Manual Integrations
APPROVED

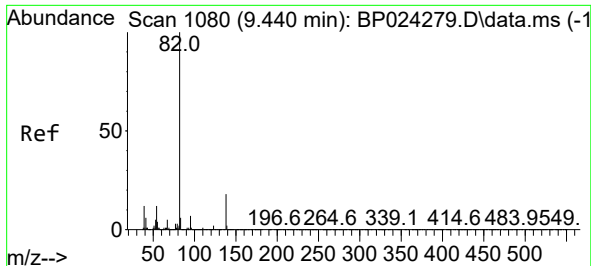
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#24
Nitrobenzene
Concen: 45.227 ng
RT: 8.910 min Scan# 990
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

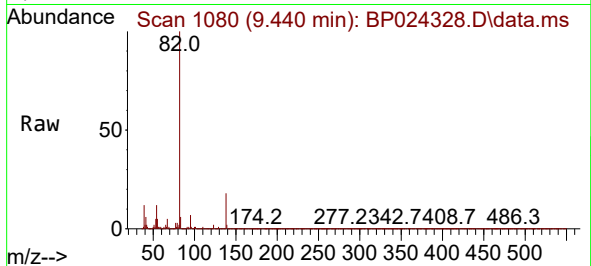
Tgt Ion: 77 Resp: 774549
Ion Ratio Lower Upper
77 100
123 47.4 39.2 58.8
65 12.4 9.8 14.6





#25
Isophorone
Concen: 45.074 ng
RT: 9.440 min Scan# 1080
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

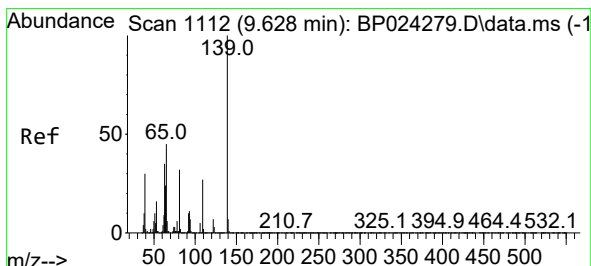
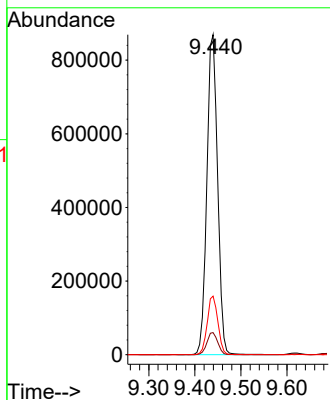
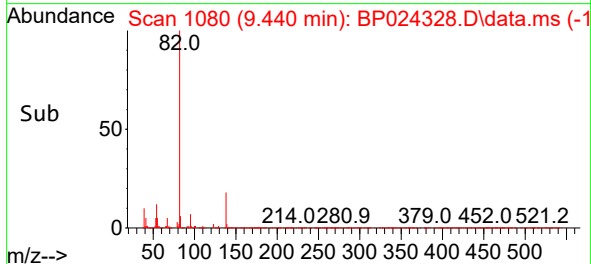
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion: 82 Resp: 1412420
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 18.3 14.4 21.6

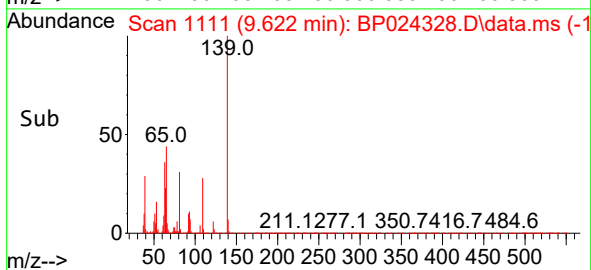
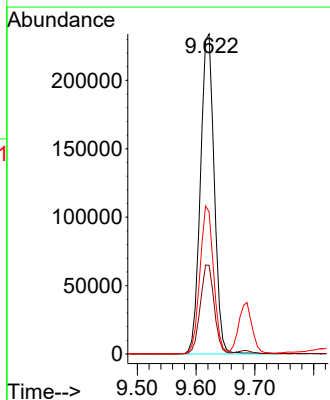
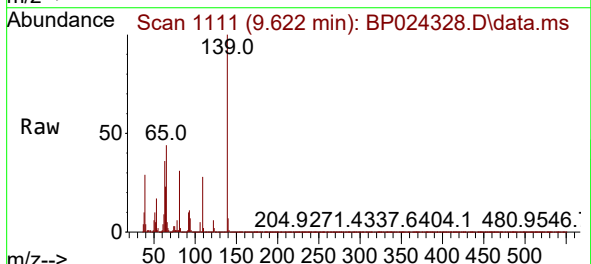
Manual Integrations
APPROVED

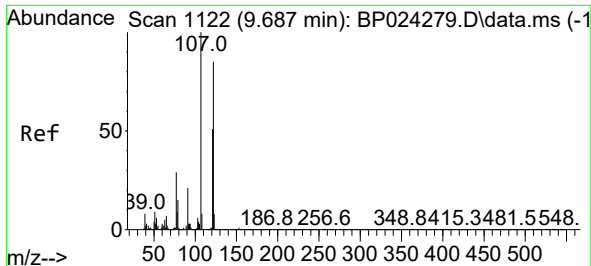
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#26
2-Nitrophenol
Concen: 45.622 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

Tgt Ion:139 Resp: 382361
Ion Ratio Lower Upper
139 100
109 27.7 21.8 32.6
65 44.5 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 60.675 ng

RT: 9.687 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BP024328.D

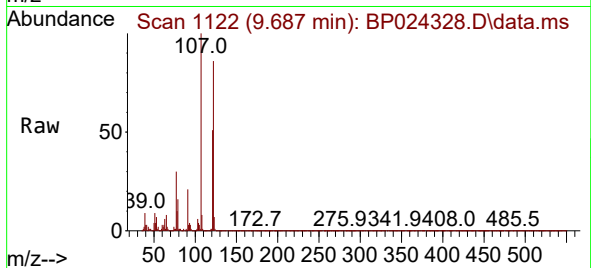
Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD



Tgt Ion:122 Resp: 63851

Ion Ratio Lower Upper

122 100

107 116.3 93.7 140.5

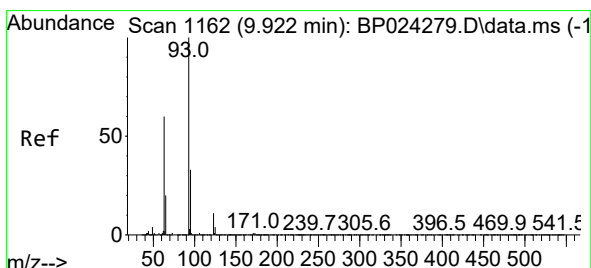
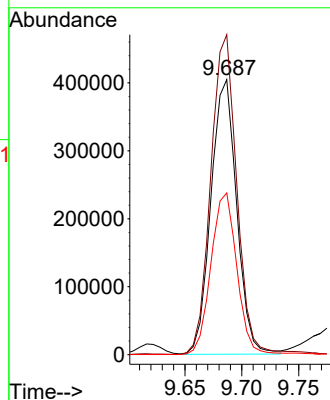
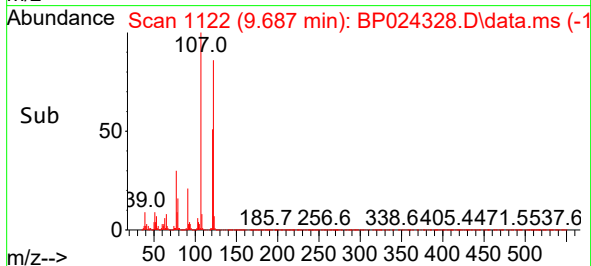
121 58.8 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 41.768 ng

RT: 9.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

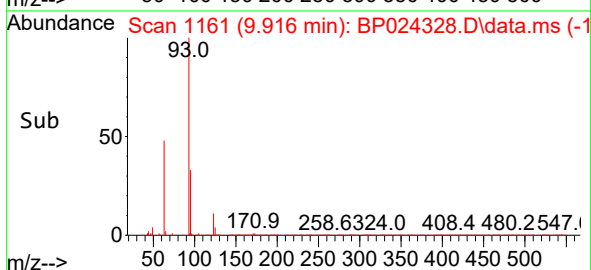
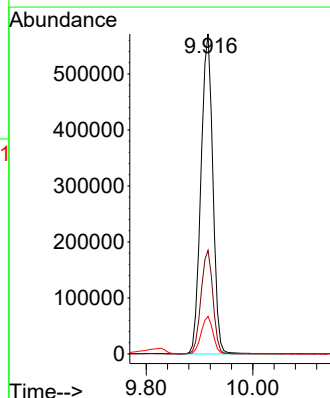
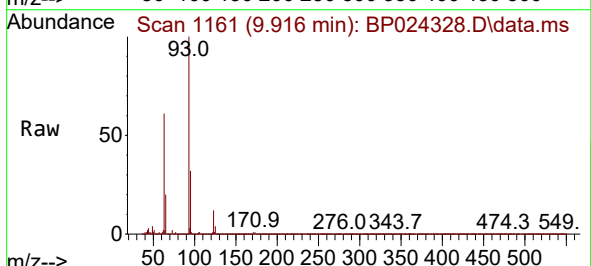
Tgt Ion: 93 Resp: 884167

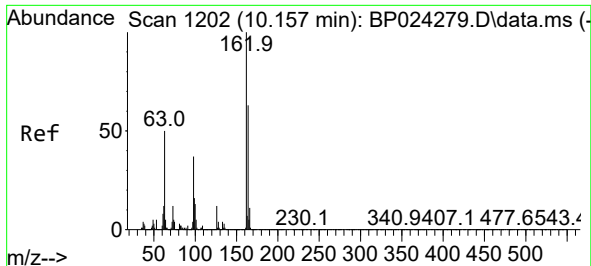
Ion Ratio Lower Upper

93 100

95 32.3 26.0 39.0

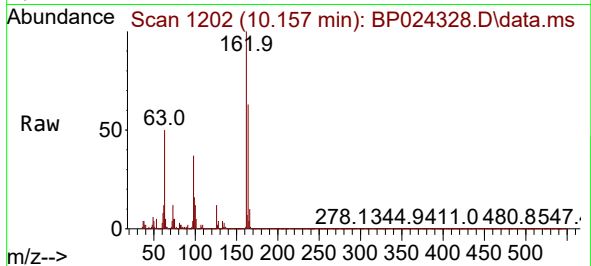
123 11.8 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 43.914 ng
RT: 10.157 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

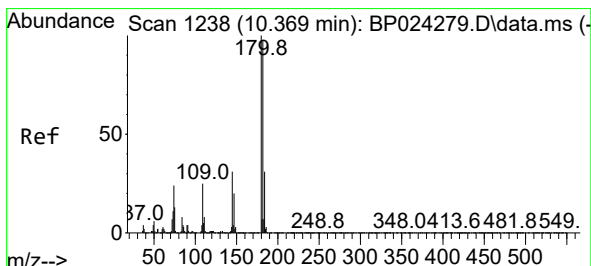
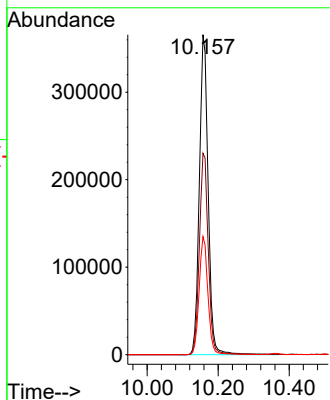
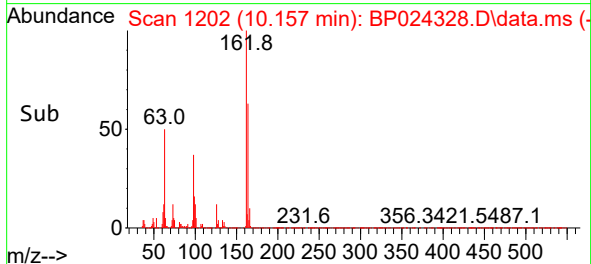
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



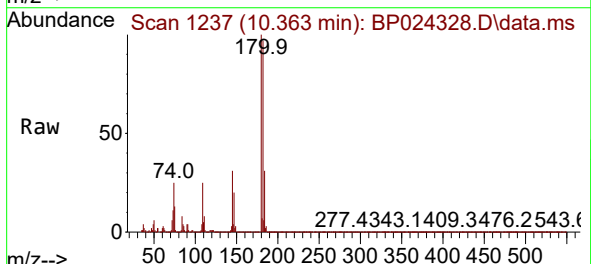
Tgt Ion:162 Resp: 630100
Ion Ratio Lower Upper
162 100
164 63.0 43.3 83.3
98 36.9 16.6 56.6

Manual Integrations
APPROVED

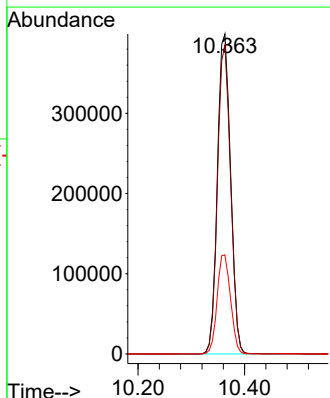
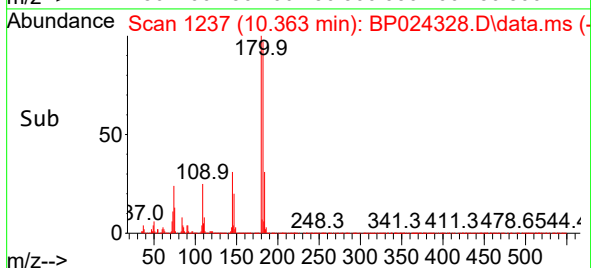
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

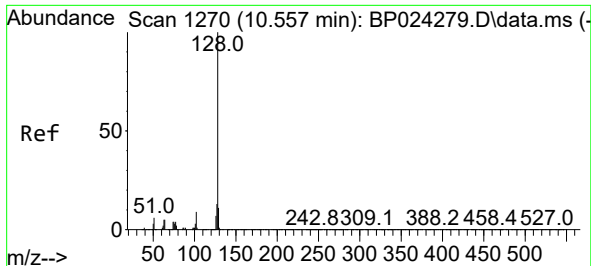


#30
1,2,4-Trichlorobenzene
Concen: 44.654 ng
RT: 10.363 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



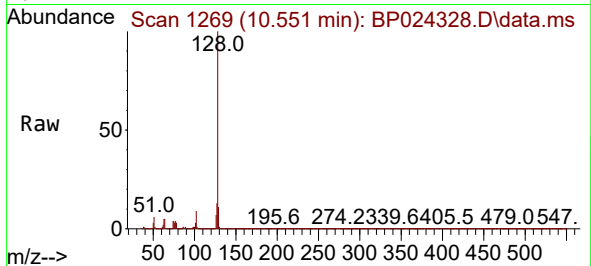
Tgt Ion:180 Resp: 686480
Ion Ratio Lower Upper
180 100
182 96.5 77.3 115.9
145 31.0 25.1 37.7





#31
Naphthalene
Concen: 41.543 ng
RT: 10.551 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

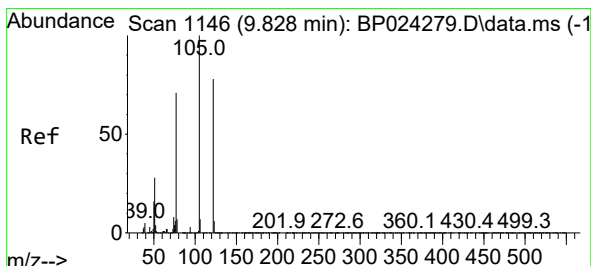
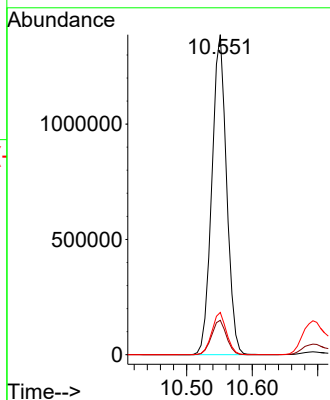
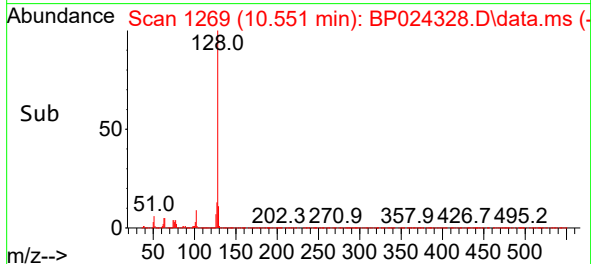
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:128 Resp: 216023
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.3 15.5

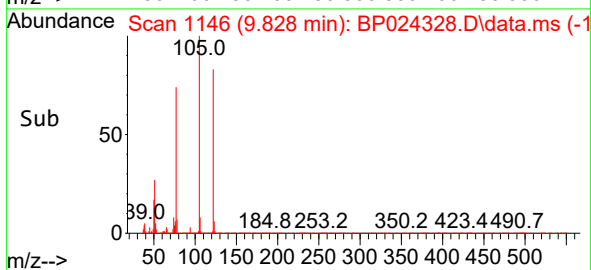
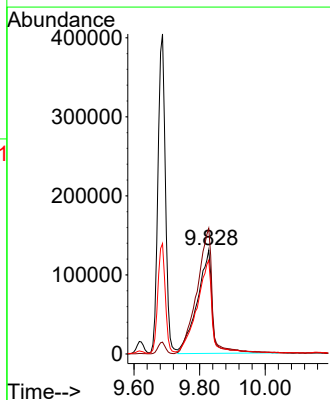
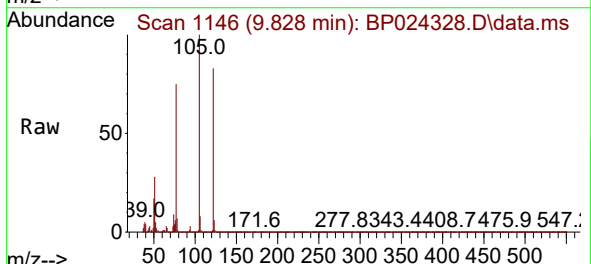
Manual Integrations
APPROVED

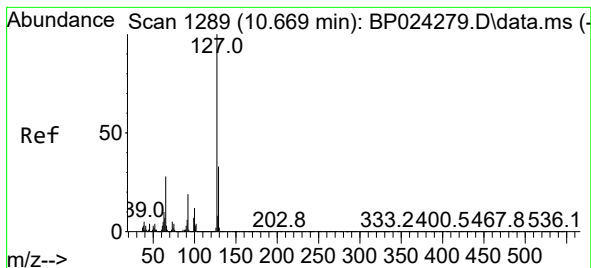
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#32
Benzoic acid
Concen: 34.398 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.047 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

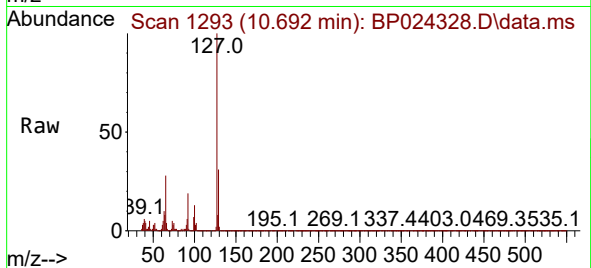
Tgt Ion:122 Resp: 421792
Ion Ratio Lower Upper
122 100
105 121.0 104.8 144.8
77 90.3 69.2 109.2





#33
4-Chloroaniline
Concen: 35.336 ng m
RT: 10.692 min Scan# 1293
Delta R.T. 0.023 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

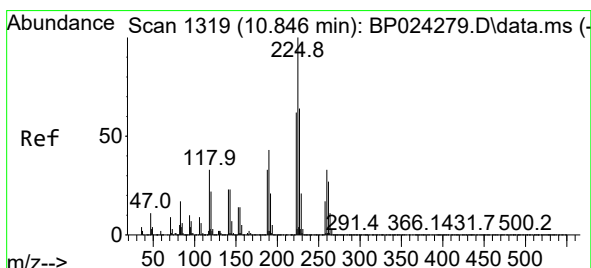
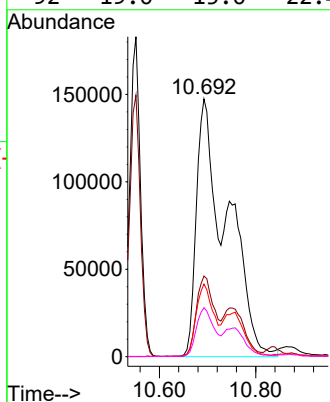
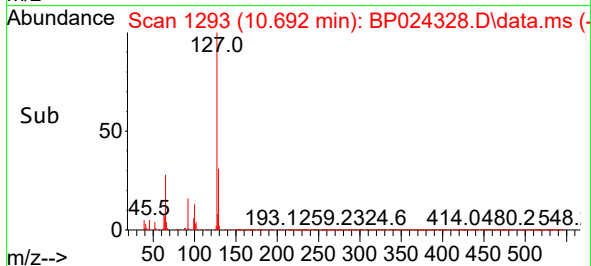
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:127 Resp: 647060
Ion Ratio Lower Upper
127 100
129 31.3 26.1 39.1
65 28.2 22.1 33.1
92 19.0 15.0 22.4

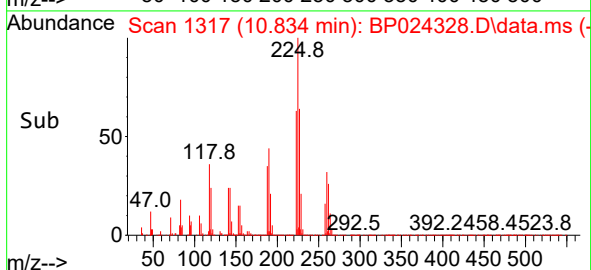
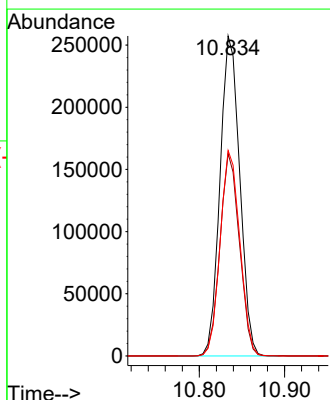
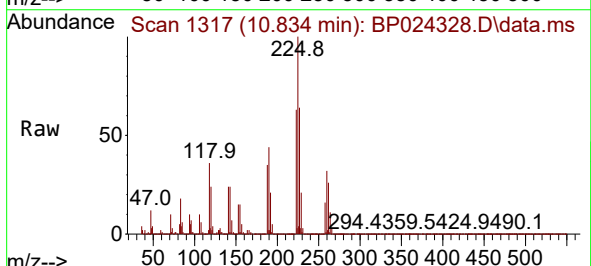
Manual Integrations
APPROVED

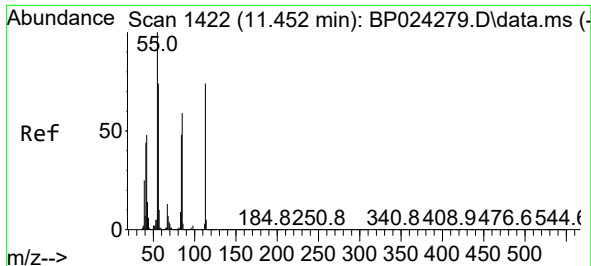
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#34
Hexachlorobutadiene
Concen: 45.760 ng
RT: 10.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

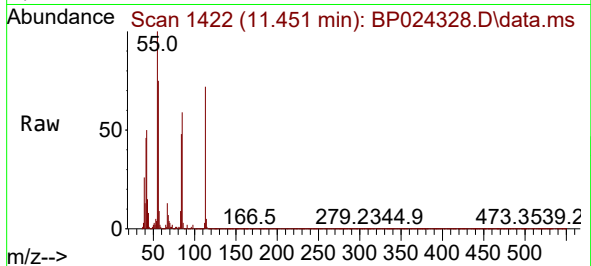
Tgt Ion:225 Resp: 413390
Ion Ratio Lower Upper
225 100
223 63.3 49.5 74.3
227 64.2 50.9 76.3





#35
Caprolactam
Concen: 38.136 ng
RT: 11.451 min Scan# 1422
Delta R.T. -0.030 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

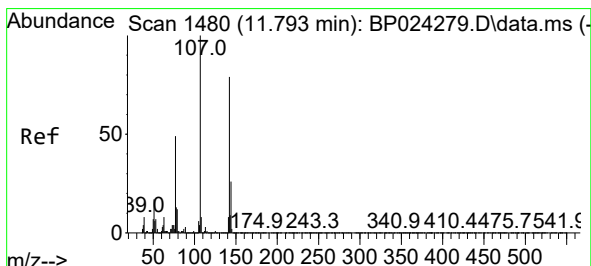
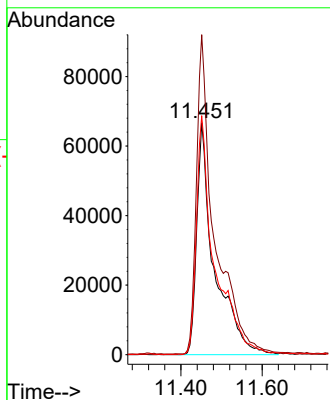
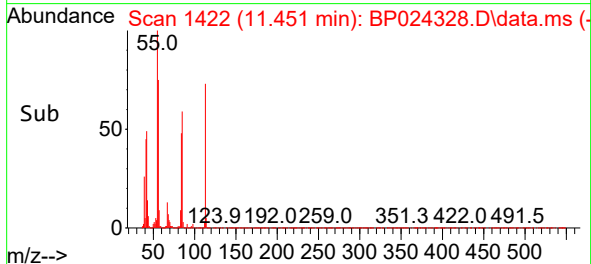
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



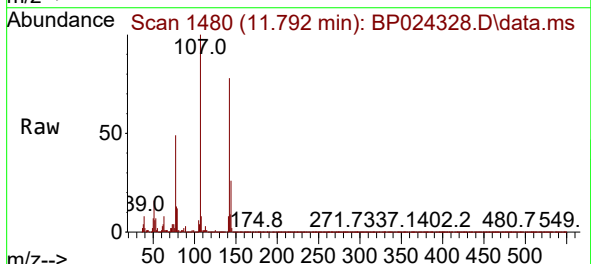
Tgt Ion:113 Resp: 201900
Ion Ratio Lower Upper
113 100
55 137.9 115.9 155.9
56 103.1 81.1 121.1

Manual Integrations
APPROVED

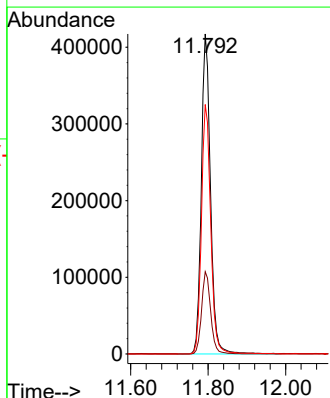
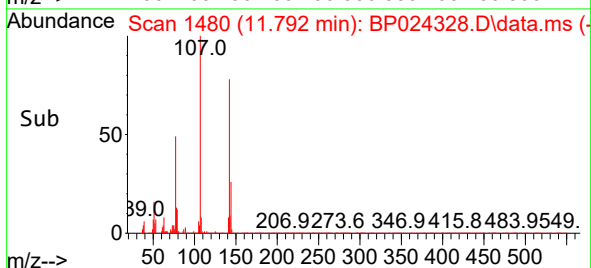
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

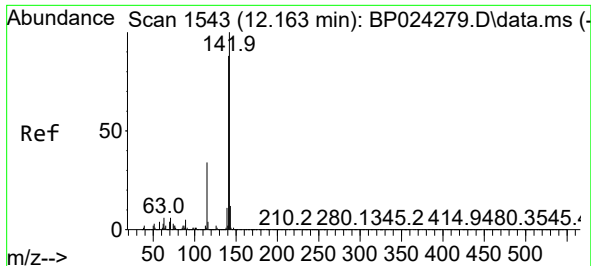


#36
4-Chloro-3-methylphenol
Concen: 40.930 ng
RT: 11.792 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



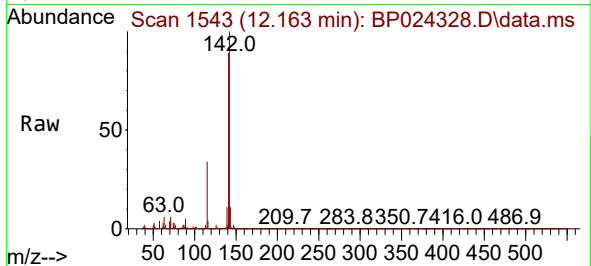
Tgt Ion:107 Resp: 684062
Ion Ratio Lower Upper
107 100
144 25.7 20.5 30.7
142 77.9 63.4 95.2





#37
2-Methylnaphthalene
Concen: 36.631 ng
RT: 12.163 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

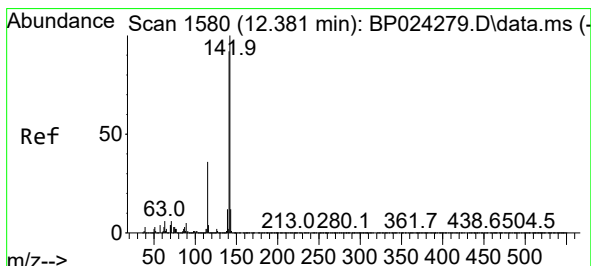
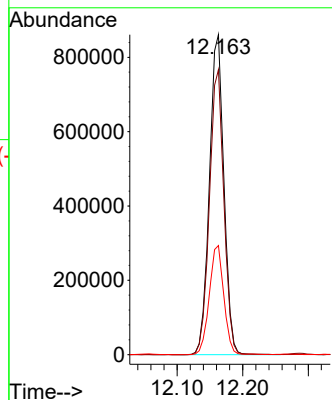
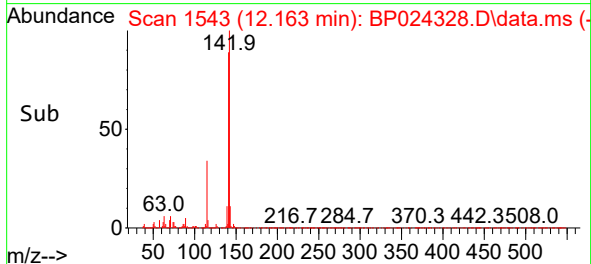
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



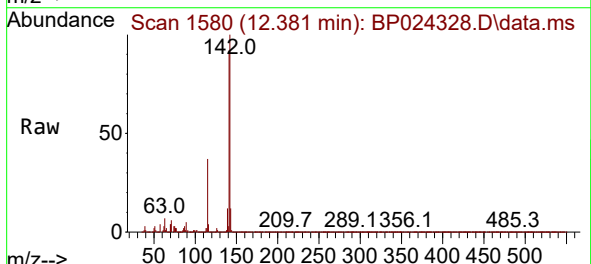
Tgt Ion:142 Resp: 1320999
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 34.1 26.9 40.3

Manual Integrations
APPROVED

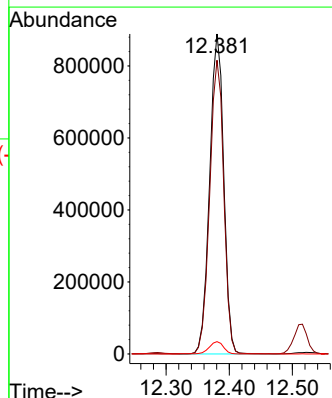
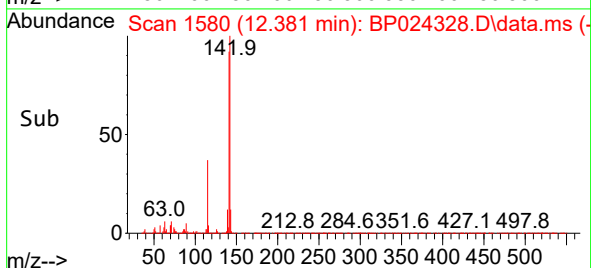
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

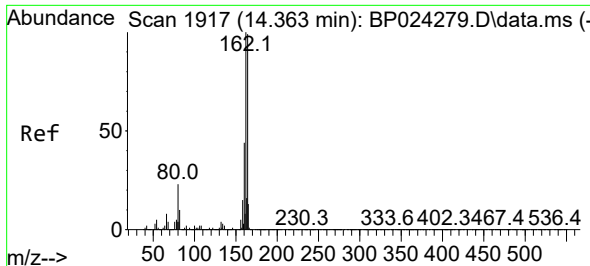


#38
1-Methylnaphthalene
Concen: 38.930 ng
RT: 12.381 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



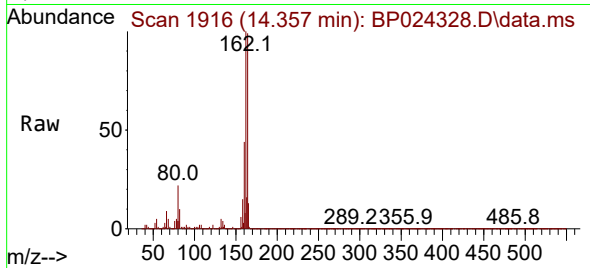
Tgt Ion:142 Resp: 1373415
Ion Ratio Lower Upper
142 100
141 91.8 73.6 110.4
116 3.8 3.0 4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

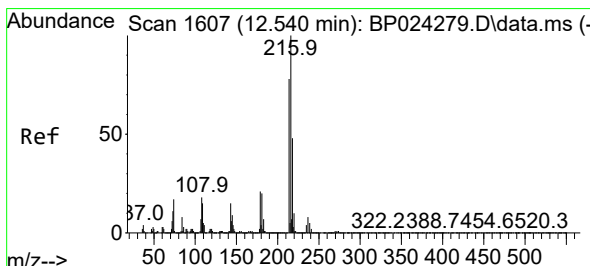
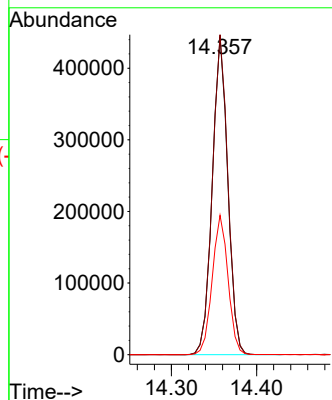
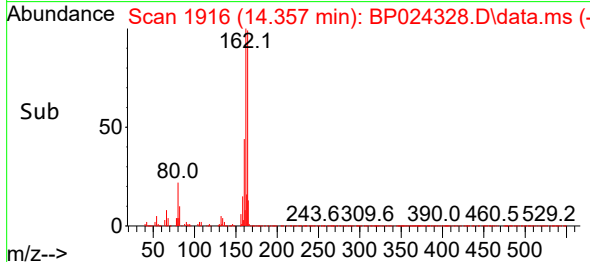
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



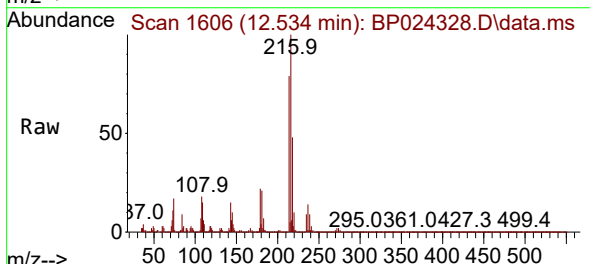
Tgt Ion:164 Resp: 56272
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 43.8 35.3 52.9

Manual Integrations
APPROVED

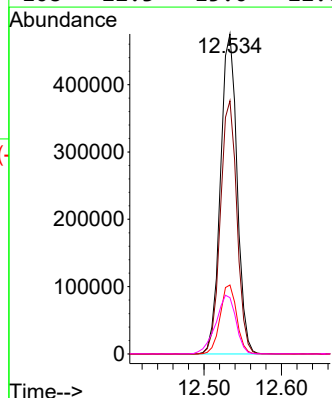
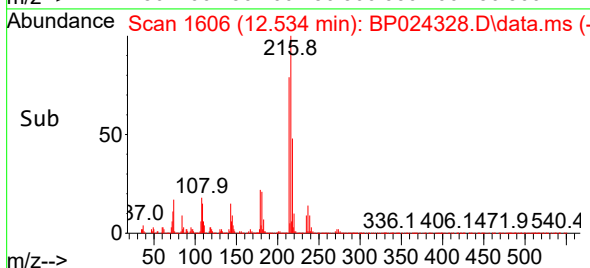
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

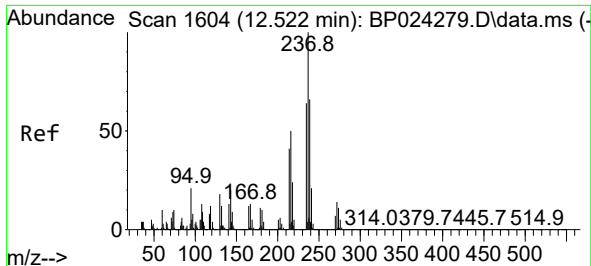


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.876 ng
RT: 12.534 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



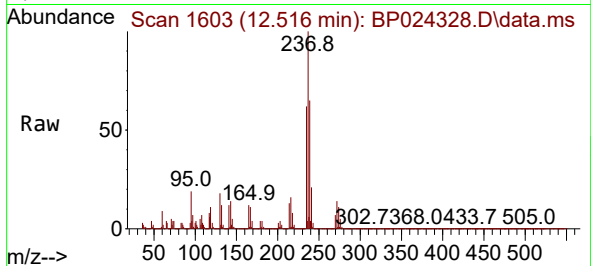
Tgt Ion:216 Resp: 709931
Ion Ratio Lower Upper
216 100
214 78.8 62.6 93.8
179 21.5 17.2 25.8
108 22.3 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 181.972 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

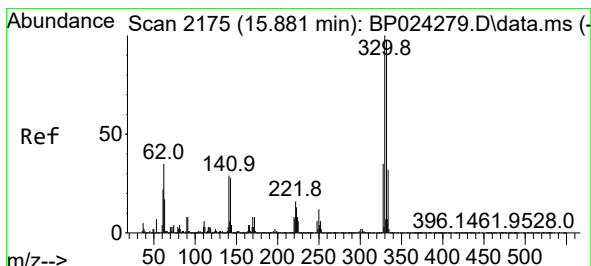
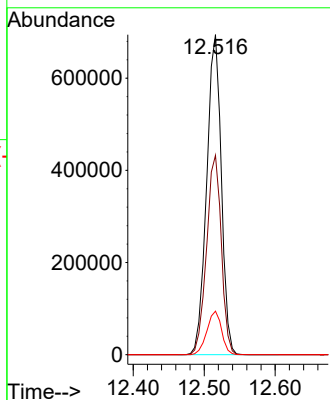
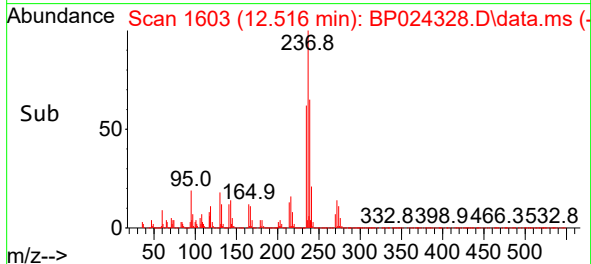
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion: 237 Resp: 995952
Ion Ratio Lower Upper
237 100
235 62.3 43.9 83.9
272 13.6 0.0 33.6

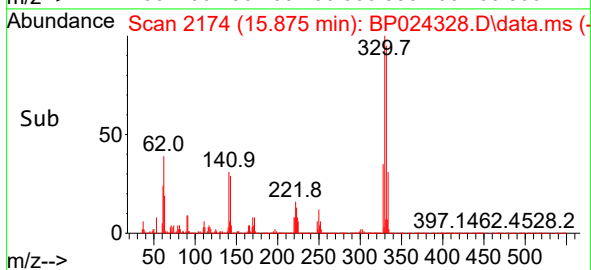
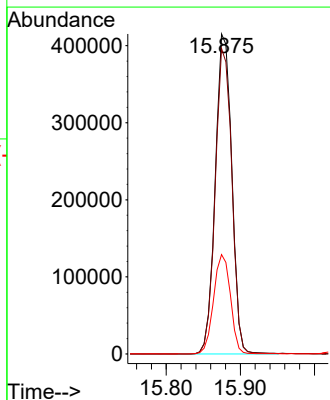
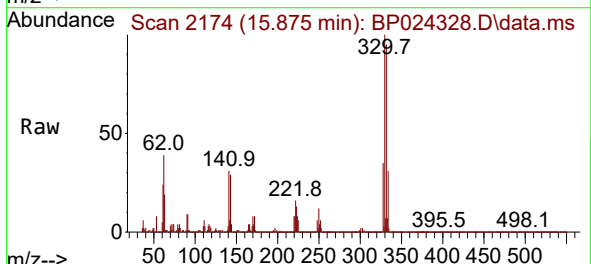
Manual Integrations
APPROVED

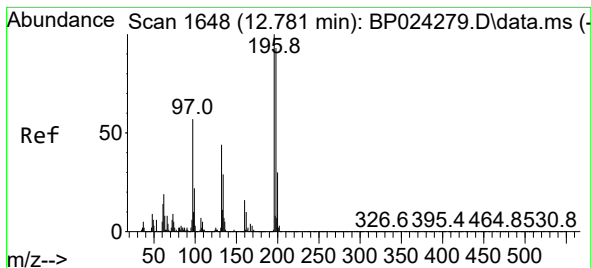
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#42
2,4,6-Tribromophenol
Concen: 82.593 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

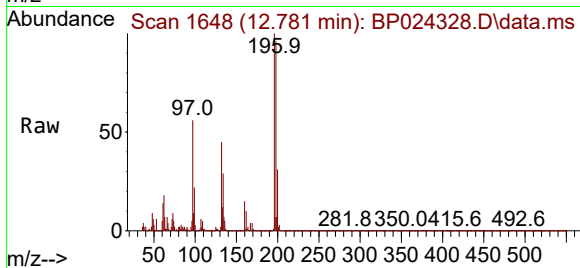
Tgt Ion: 330 Resp: 643036
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 31.5 24.7 37.1





#43
2,4,6-Trichlorophenol
Concen: 45.836 ng
RT: 12.781 min Scan# 1648
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

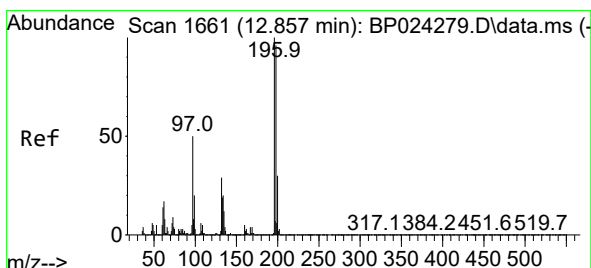
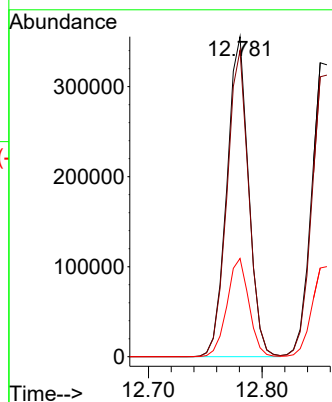
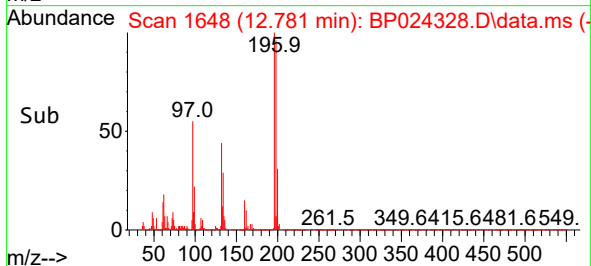
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:196 Resp: 471589
Ion Ratio Lower Upper
196 100
198 95.8 74.3 111.5
200 30.7 24.0 36.0

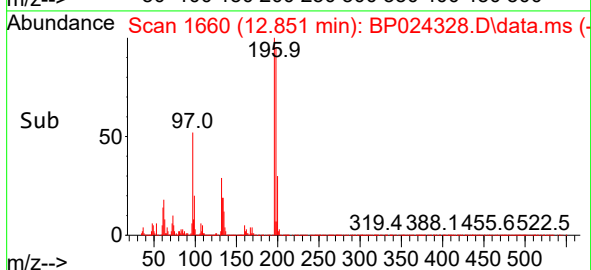
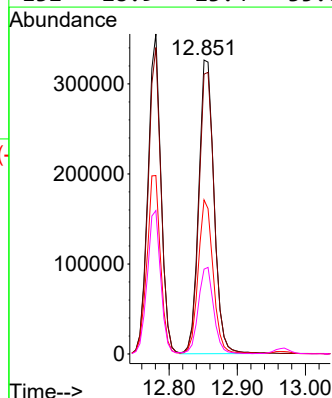
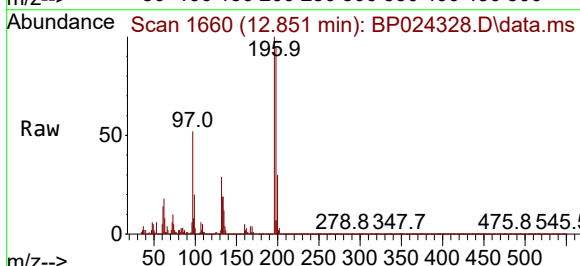
Manual Integrations
APPROVED

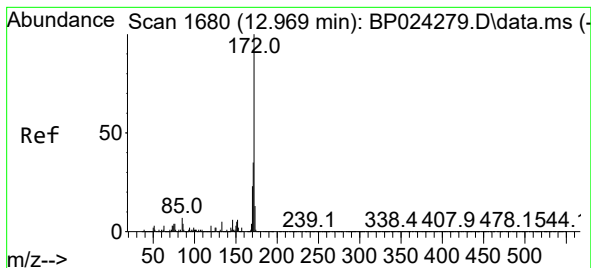
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#44
2,4,5-Trichlorophenol
Concen: 44.938 ng
RT: 12.851 min Scan# 1660
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

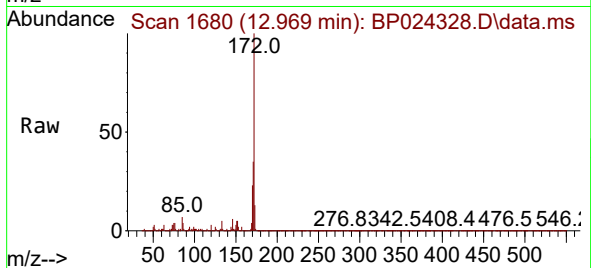
Tgt Ion:196 Resp: 511995
Ion Ratio Lower Upper
196 100
198 95.2 77.3 115.9
97 52.4 40.4 60.6
132 28.9 23.4 35.0





#45
2-Fluorobiphenyl
Concen: 59.720 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

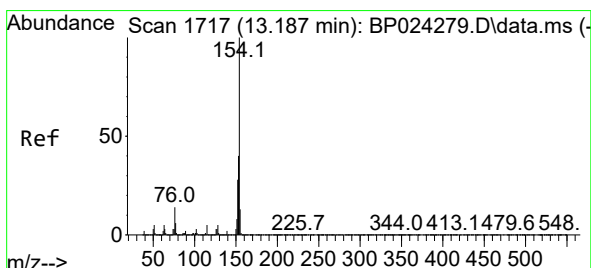
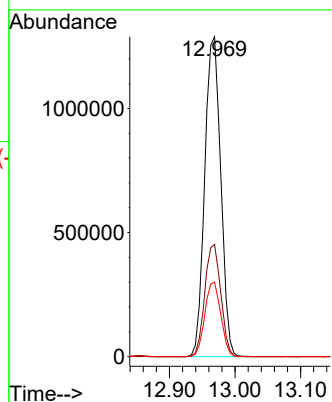
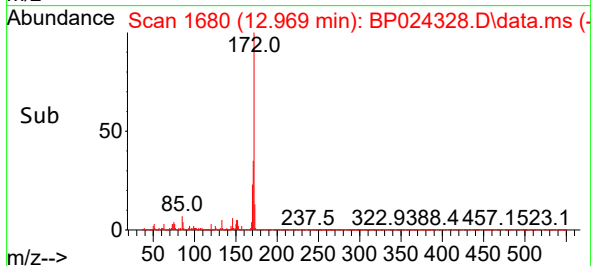
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



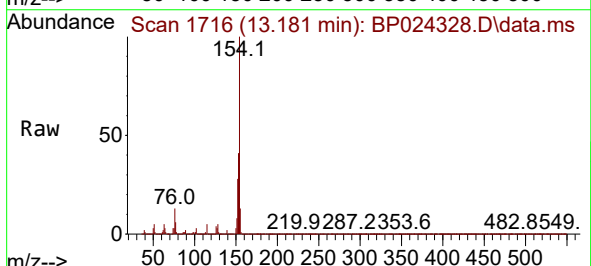
Tgt Ion:172 Resp: 219488
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.3 18.6 27.8

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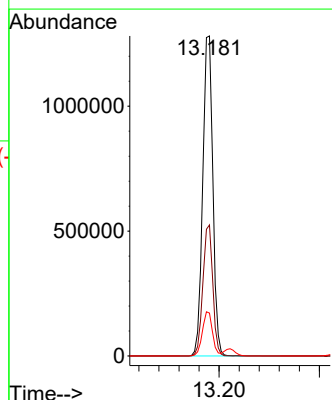
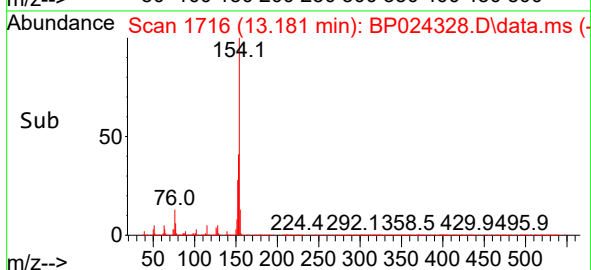
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

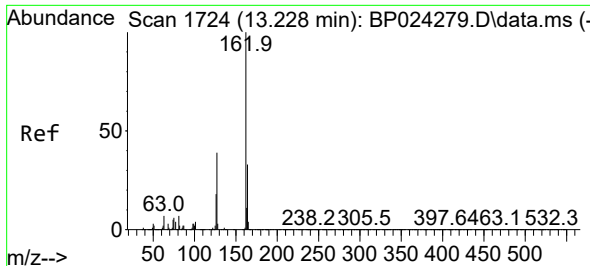


#46
1,1'-Biphenyl
Concen: 43.289 ng
RT: 13.181 min Scan# 1716
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



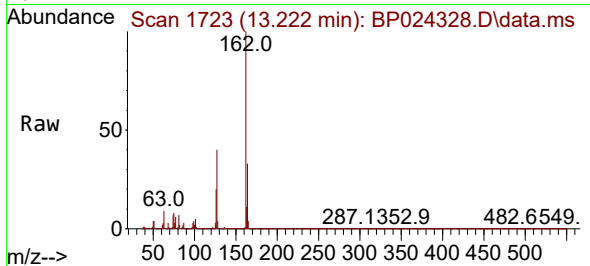
Tgt Ion:154 Resp: 1790601
Ion Ratio Lower Upper
154 100
153 41.0 20.3 60.3
76 13.4 0.0 33.5





#47
2-Chloronaphthalene
Concen: 44.764 ng
RT: 13.222 min Scan# 1723
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

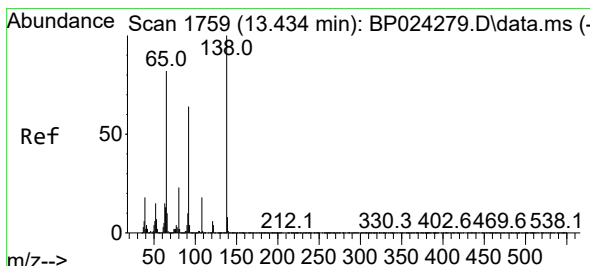
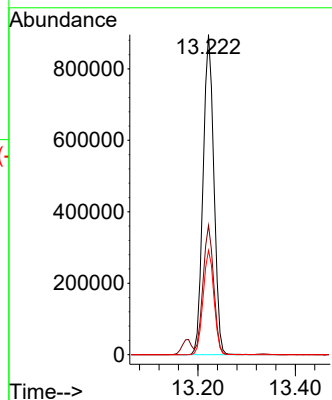
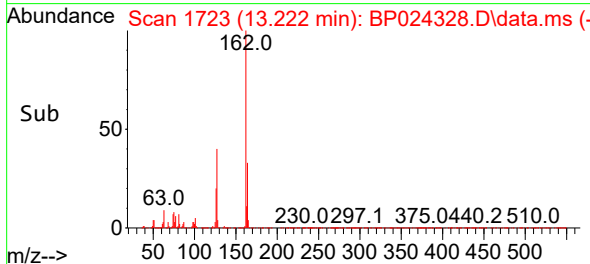
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:162 Resp: 138385
Ion Ratio Lower Upper
162 100
127 40.4 31.9 47.9
164 32.6 26.2 39.4

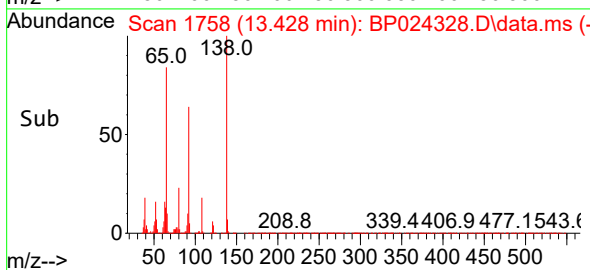
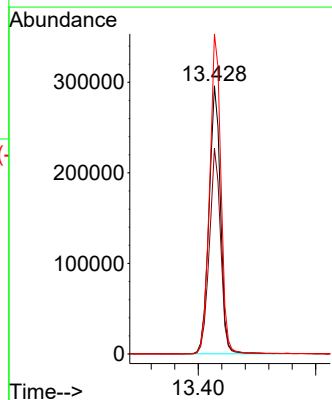
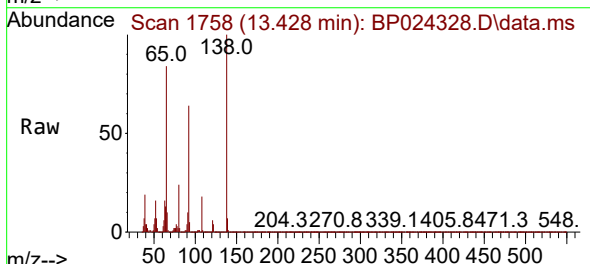
Manual Integrations
APPROVED

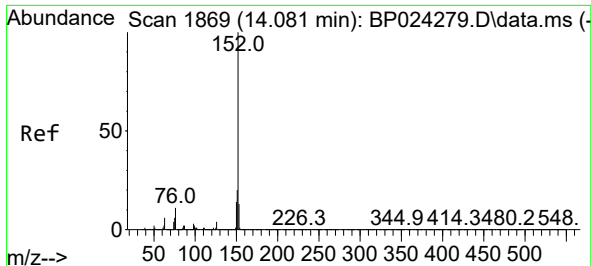
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#48
2-Nitroaniline
Concen: 46.311 ng
RT: 13.428 min Scan# 1758
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

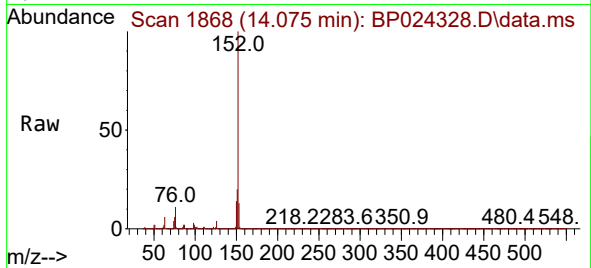
Tgt Ion: 65 Resp: 401592
Ion Ratio Lower Upper
65 100
92 76.7 62.3 93.5
138 119.3 97.2 145.8





#49
Acenaphthylene
Concen: 46.498 ng
RT: 14.075 min Scan# 1868
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

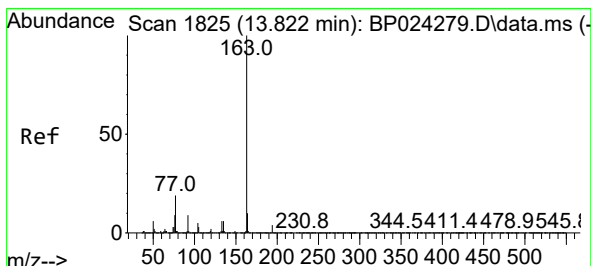
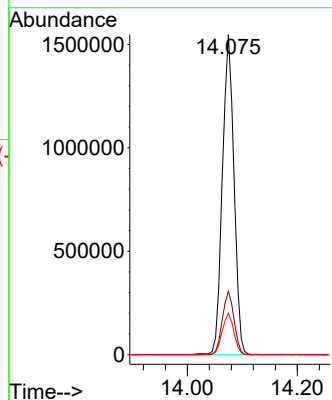
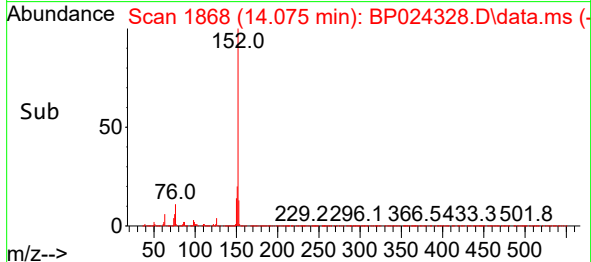
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



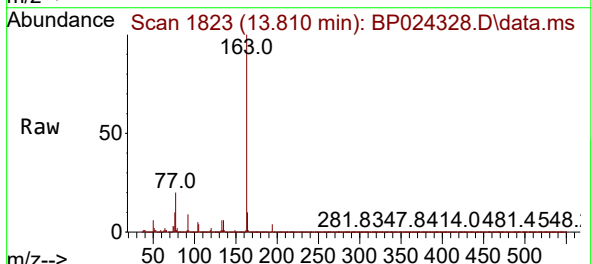
Tgt Ion:152 Resp: 2263150
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.0 10.6 15.8

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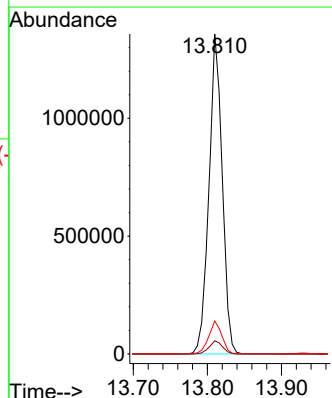
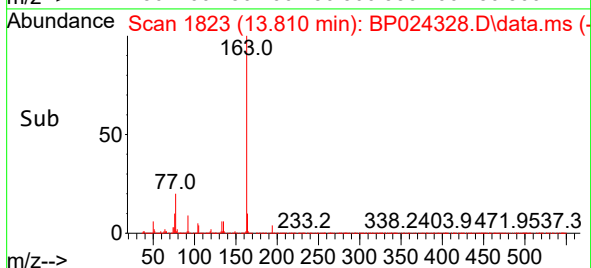
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

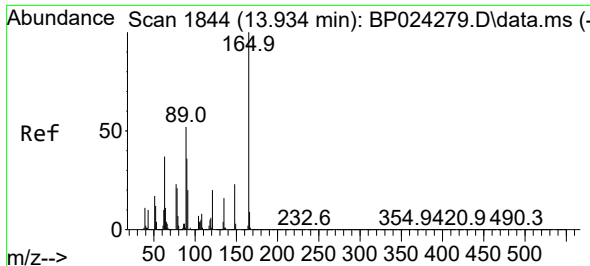


#50
Dimethylphthalate
Concen: 41.287 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



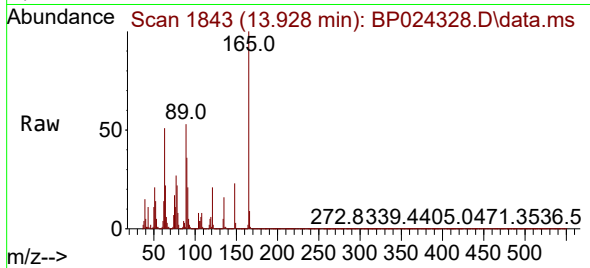
Tgt Ion:163 Resp: 1689579
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.3 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 42.867 ng
RT: 13.928 min Scan# 1843
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

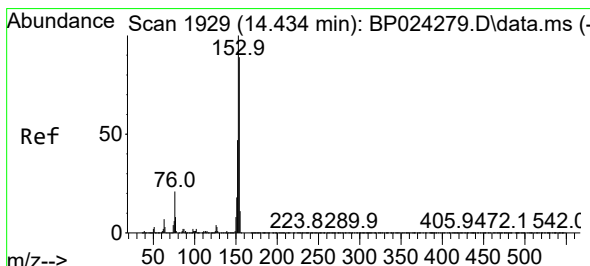
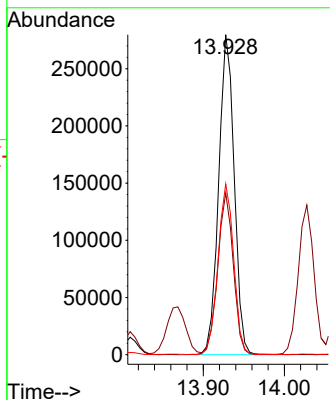
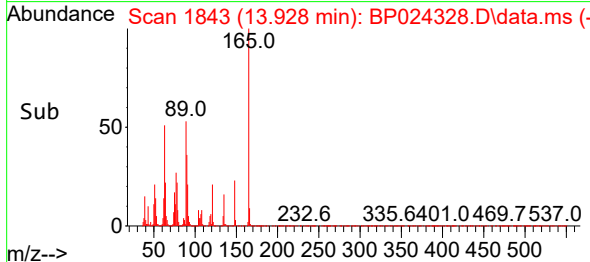
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:165 Resp: 372504
Ion Ratio Lower Upper
165 100
63 50.6 38.0 57.0
89 53.4 41.7 62.5

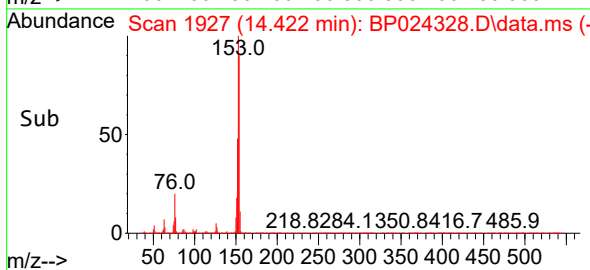
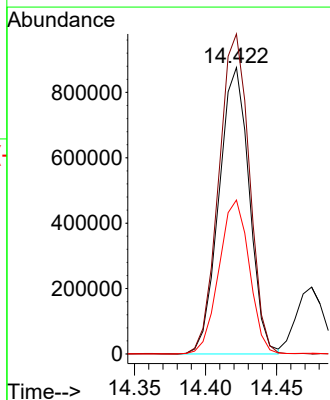
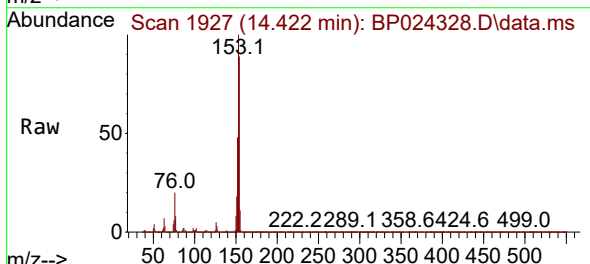
Manual Integrations
APPROVED

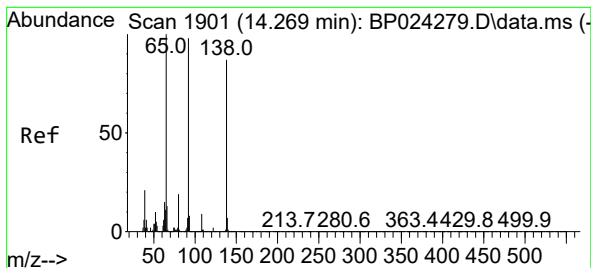
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#52
Acenaphthene
Concen: 42.144 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

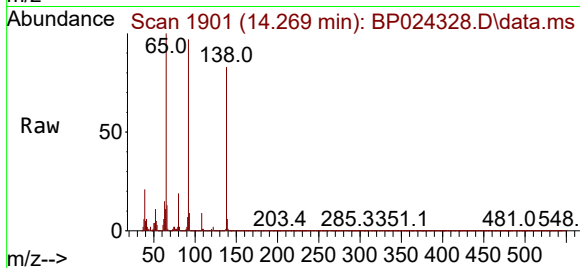
Tgt Ion:154 Resp: 1300427
Ion Ratio Lower Upper
154 100
153 111.7 89.8 134.6
152 53.8 42.6 63.8





#53
3-Nitroaniline
Concen: 43.222 ng
RT: 14.269 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

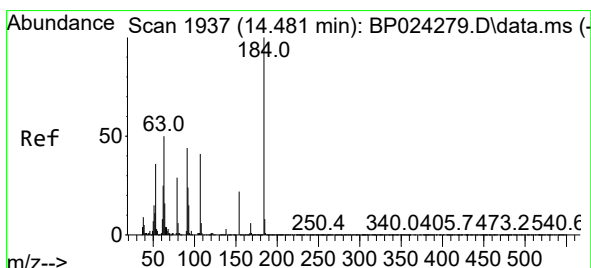
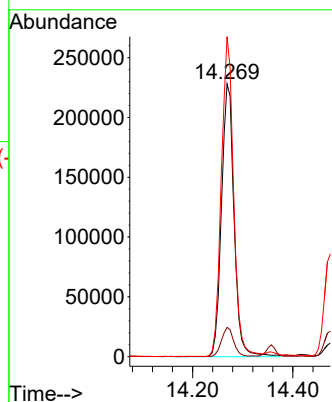
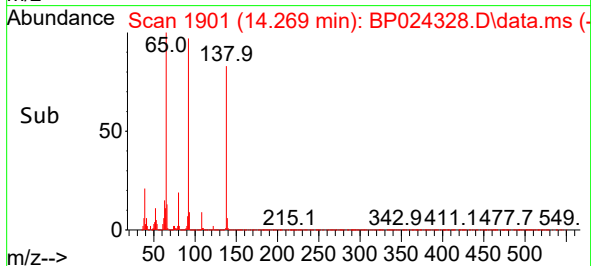
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



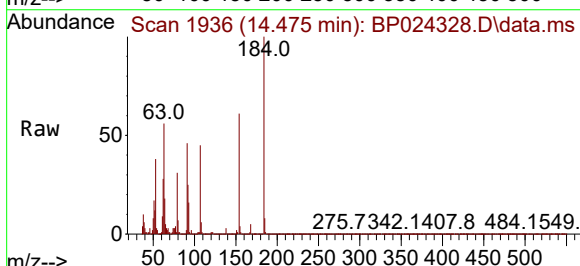
Tgt Ion:138 Resp: 394749
Ion Ratio Lower Upper
138 100
108 10.8 8.3 12.5
92 117.3 89.8 134.8

Manual Integrations
APPROVED

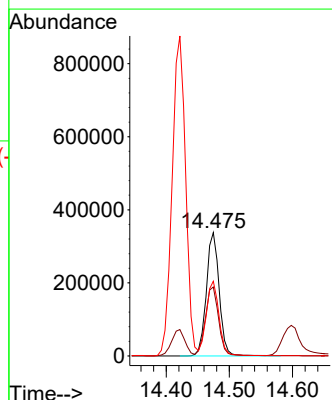
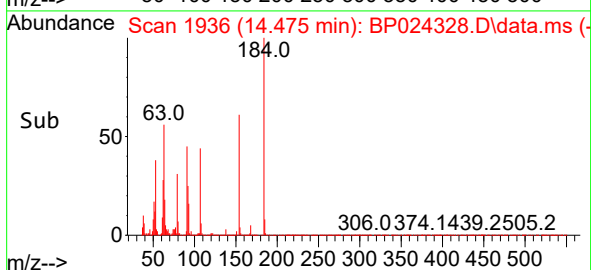
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

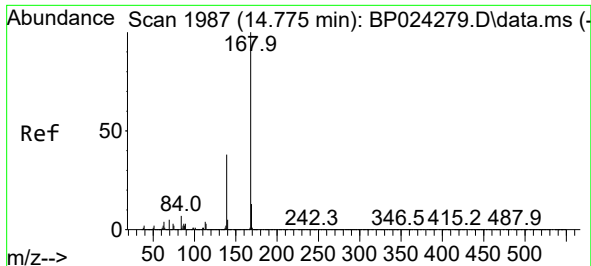


#54
2,4-Dinitrophenol
Concen: 93.218 ng
RT: 14.475 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



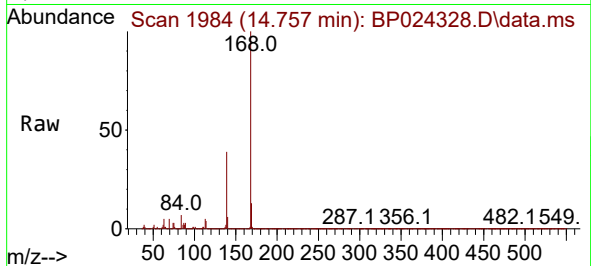
Tgt Ion:184 Resp: 477156
Ion Ratio Lower Upper
184 100
63 55.8 42.6 64.0
154 60.6 47.2 70.8





#55
Dibenzenofuran
Concen: 40.077 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

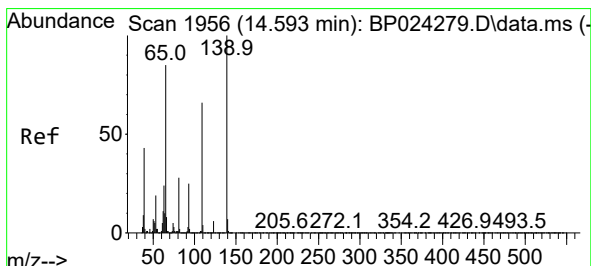
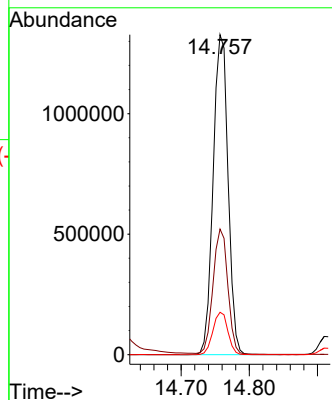
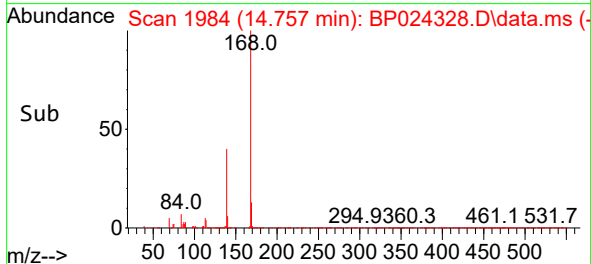
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:168 Resp: 2021384
Ion Ratio Lower Upper
168 100
139 39.3 30.3 45.5
169 13.3 10.6 16.0

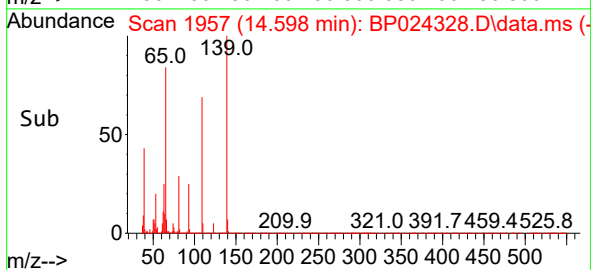
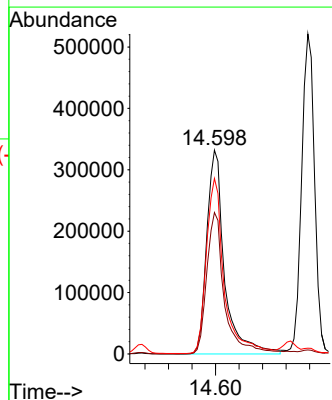
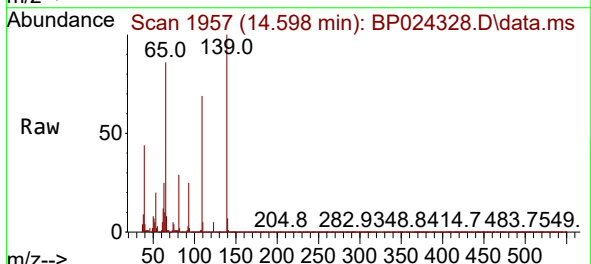
Manual Integrations
APPROVED

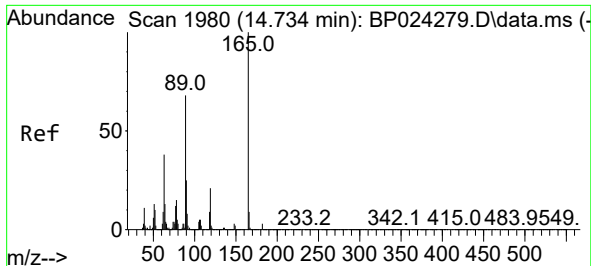
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#56
4-Nitrophenol
Concen: 88.655 ng
RT: 14.598 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

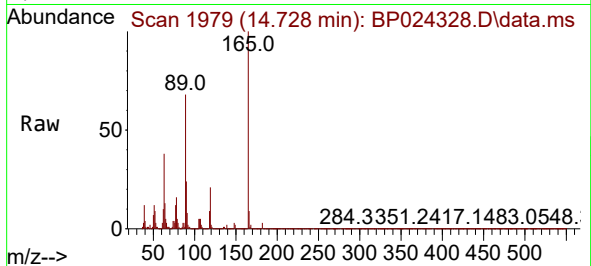
Tgt Ion:139 Resp: 699297
Ion Ratio Lower Upper
139 100
109 69.3 46.1 86.1
65 86.1 65.0 105.0





#57
2,4-Dinitrotoluene
Concen: 44.234 ng
RT: 14.728 min Scan# 1980
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

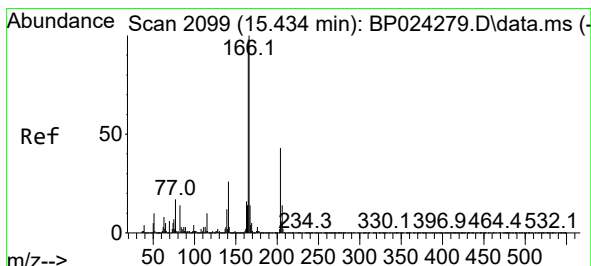
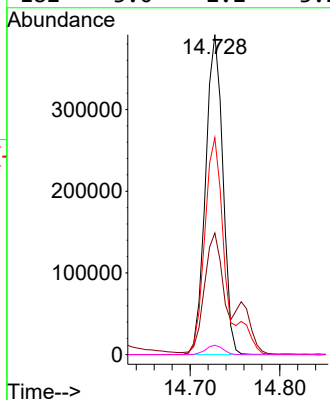
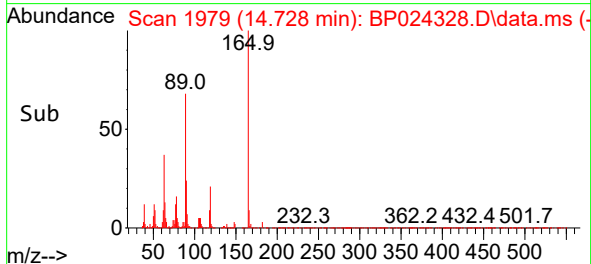
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:165 Resp: 52435
Ion Ratio Lower Upper
165 100
63 38.0 30.4 45.6
89 67.8 54.6 82.0
182 3.0 2.2 3.2

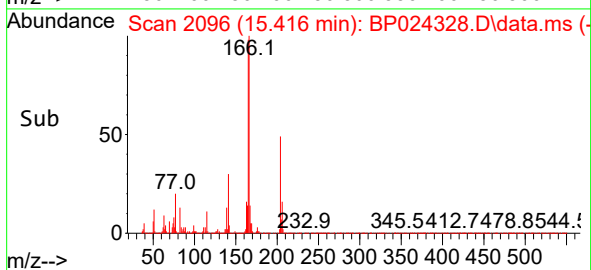
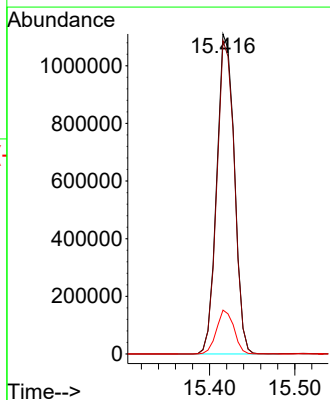
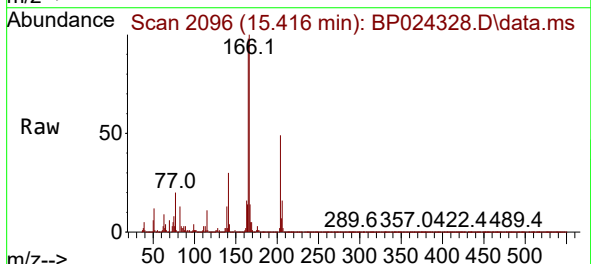
Manual Integrations
APPROVED

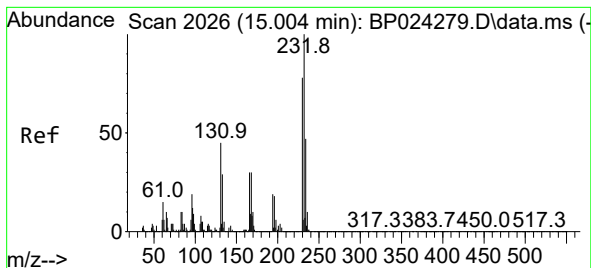
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#58
Fluorene
Concen: 40.949 ng
RT: 15.416 min Scan# 2096
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

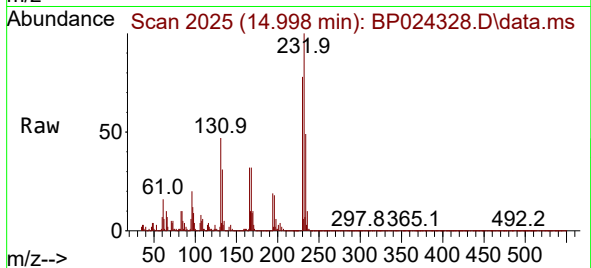
Tgt Ion:166 Resp: 1598862
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.911 ng
RT: 14.998 min Scan# 2058
Delta R.T. -0.006 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

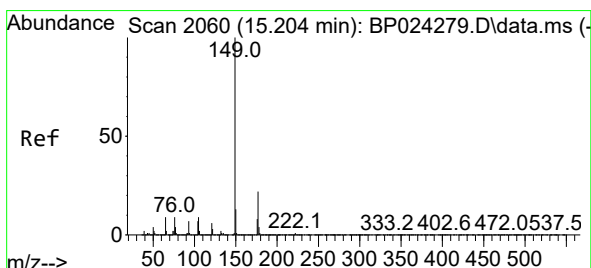
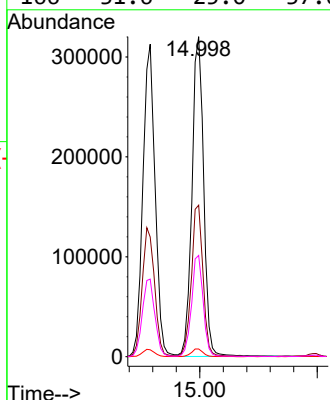
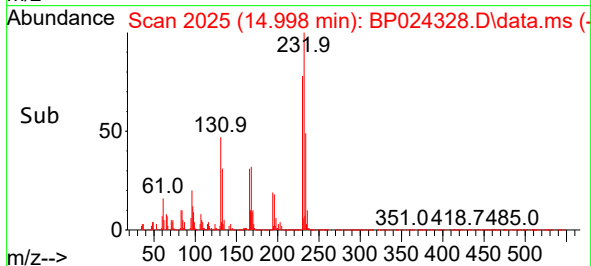
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



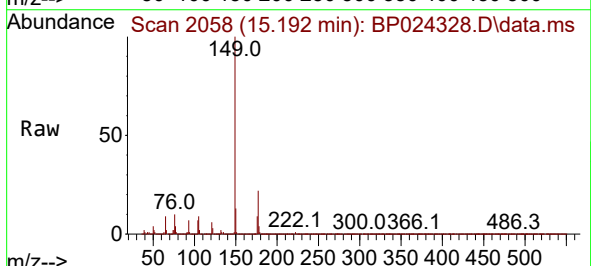
Tgt Ion:232 Resp: 440404
Ion Ratio Lower Upper
232 100
131 47.0 36.8 55.2
130 2.4 1.9 2.9
166 31.6 25.0 37.6

Manual Integrations
APPROVED

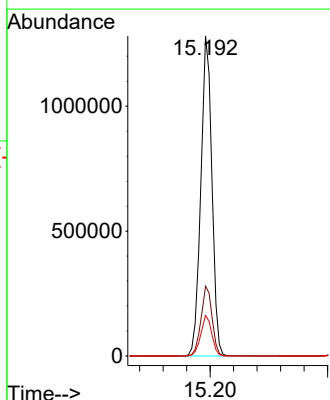
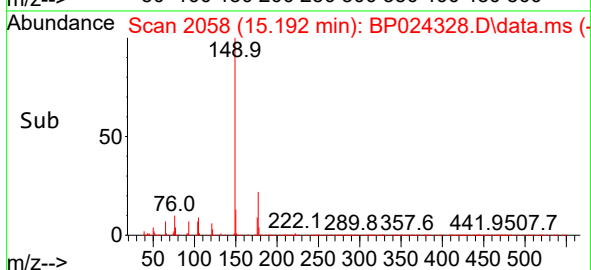
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

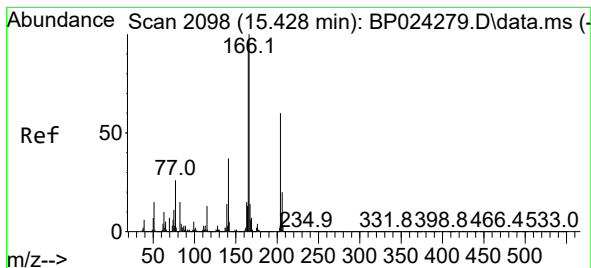


#60
Diethylphthalate
Concen: 39.861 ng
RT: 15.192 min Scan# 2058
Delta R.T. -0.030 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01



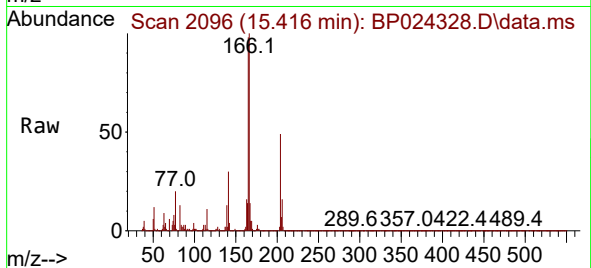
Tgt Ion:149 Resp: 1681000
Ion Ratio Lower Upper
149 100
177 21.8 17.4 26.2
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.701 ng
RT: 15.416 min Scan# 2098
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

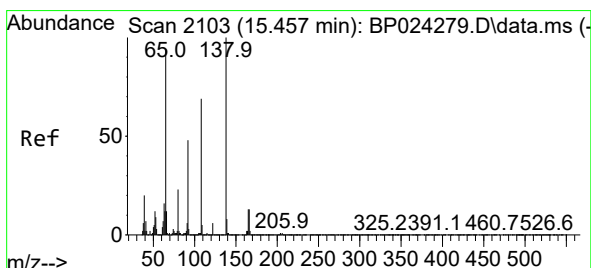
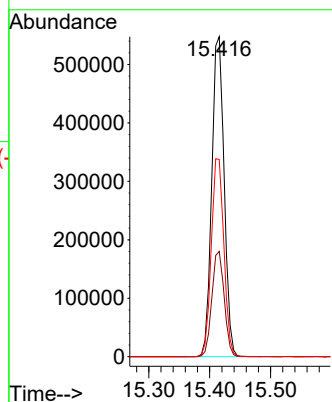
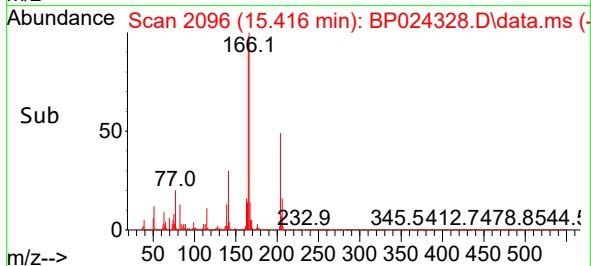
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:204 Resp: 771711
Ion Ratio Lower Upper
204 100
206 32.9 26.5 39.7
141 61.7 49.4 74.0

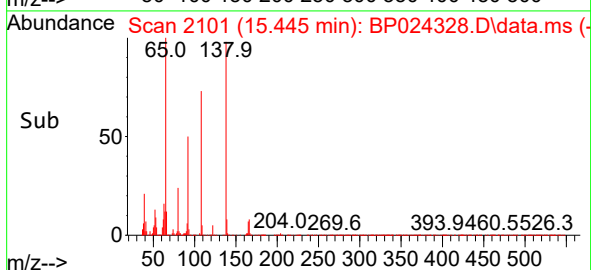
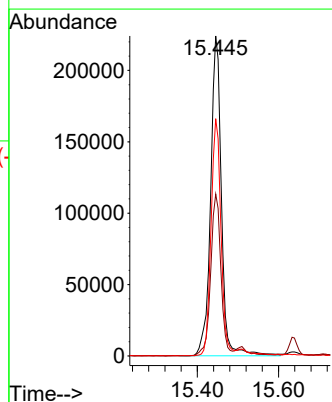
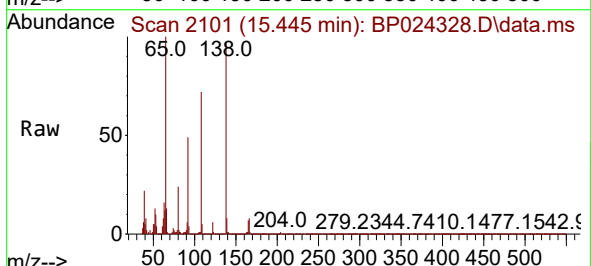
Manual Integrations
APPROVED

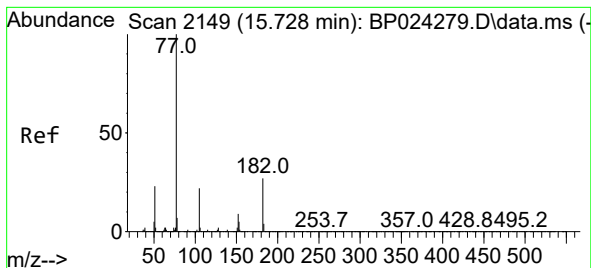
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#62
4-Nitroaniline
Concen: 42.971 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

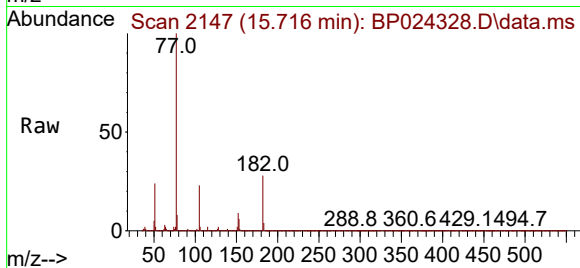
Tgt Ion:138 Resp: 415467
Ion Ratio Lower Upper
138 100
92 50.6 27.8 67.8
108 74.2 48.9 88.9





#63
Azobenzene
Concen: 48.531 ng
RT: 15.716 min Scan# 2147
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

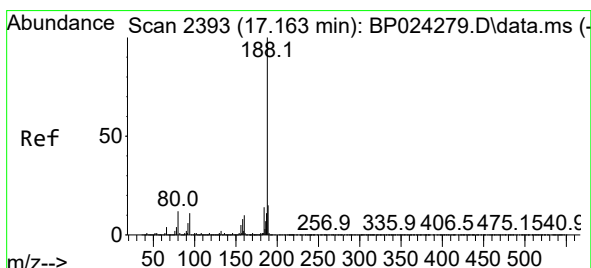
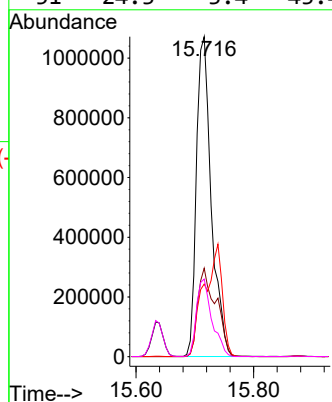
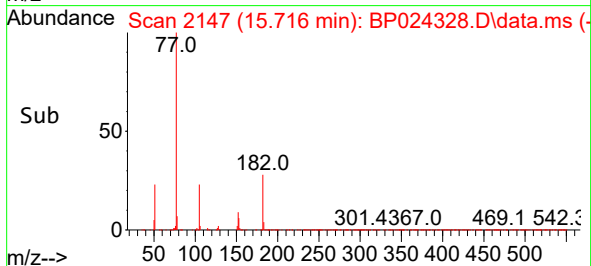
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion: 77 Resp: 188110
Ion Ratio Lower Upper
77 100
182 27.6 7.3 47.3
105 22.7 2.3 42.3
51 24.3 3.4 43.4

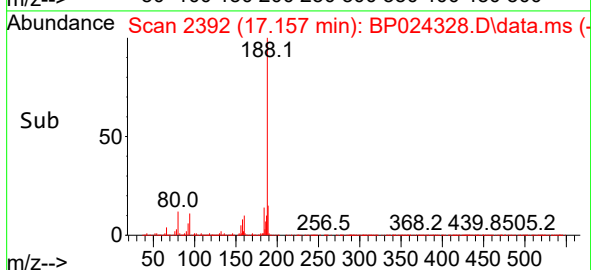
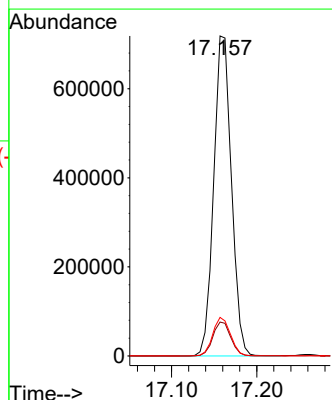
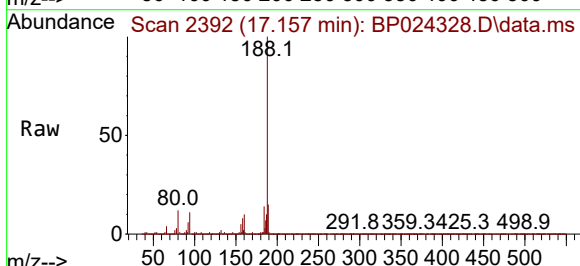
Manual Integrations
APPROVED

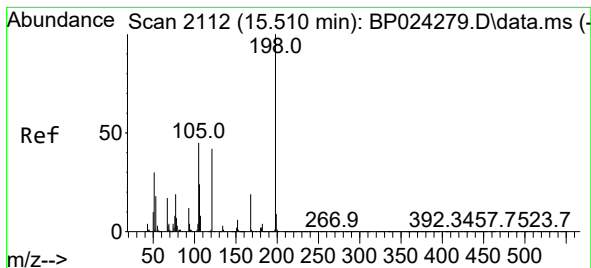
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

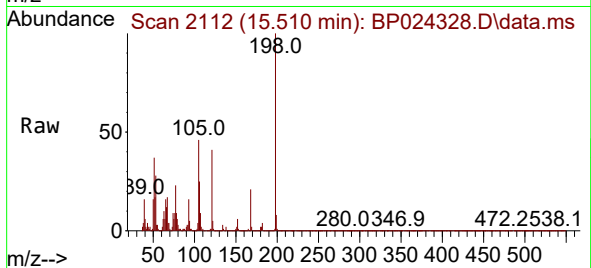
Tgt Ion:188 Resp: 1041169
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 12.1 9.8 14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 44.655 ng
RT: 15.510 min Scan# 2112
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

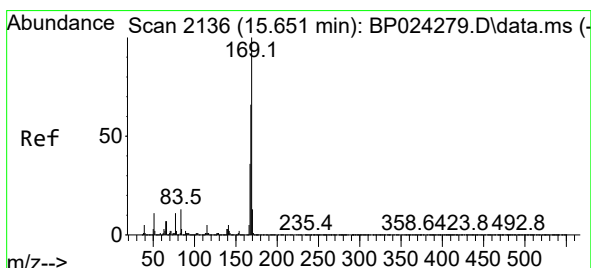
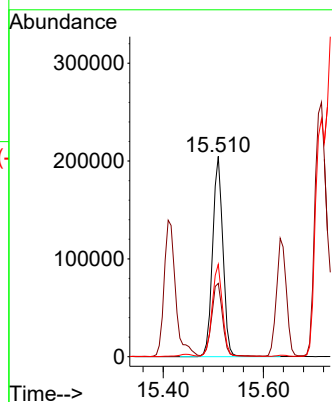
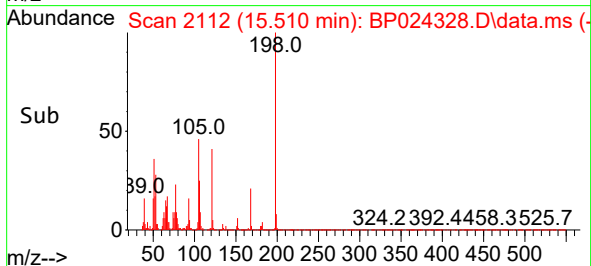
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:198 Resp: 293124
Ion Ratio Lower Upper
198 100
51 36.6 18.4 58.4
105 46.1 26.5 66.5

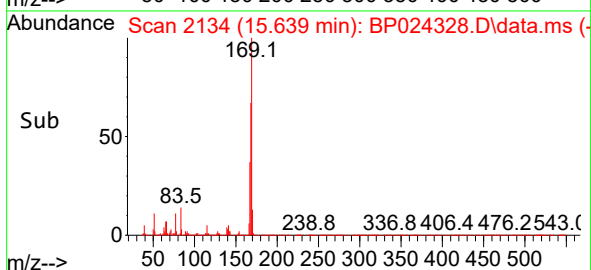
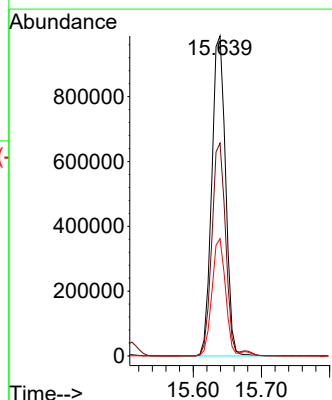
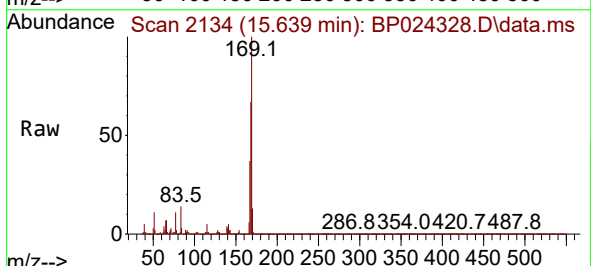
Manual Integrations
APPROVED

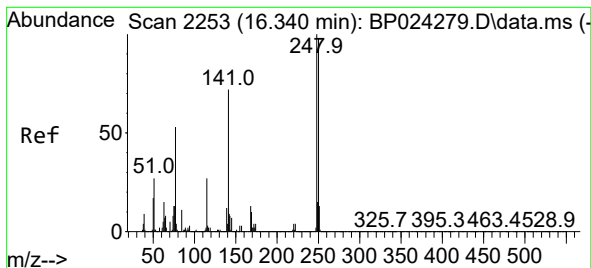
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#66
n-Nitrosodiphenylamine
Concen: 44.730 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

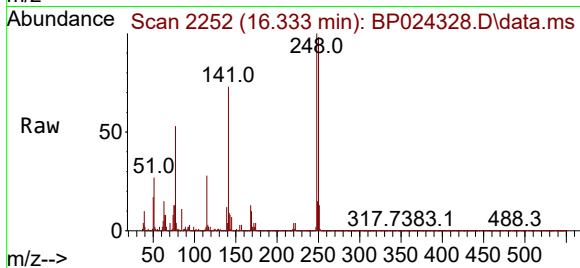
Tgt Ion:169 Resp: 1390061
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.4
167 36.6 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 43.721 ng
RT: 16.333 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

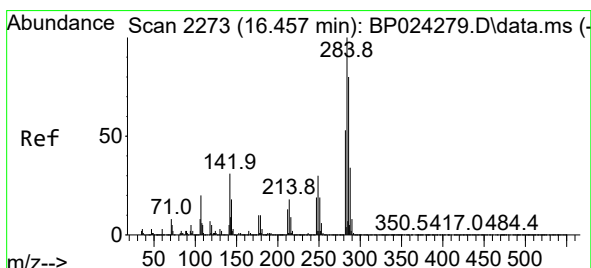
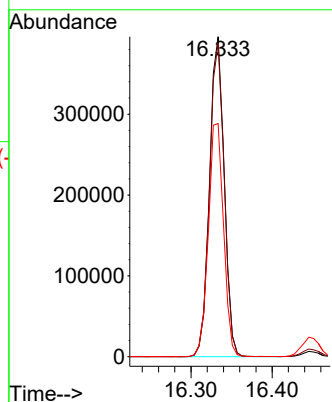
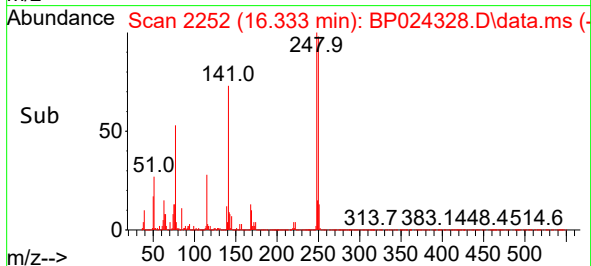
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:248 Resp: 497858
Ion Ratio Lower Upper
248 100
250 98.0 78.2 117.4
141 72.9 57.7 86.5

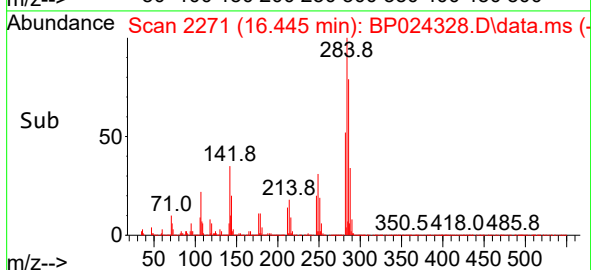
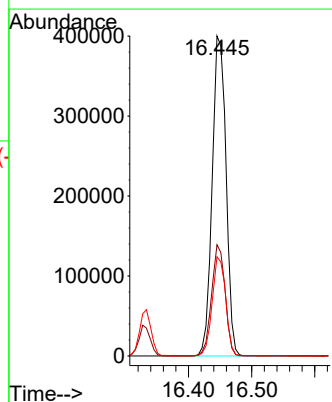
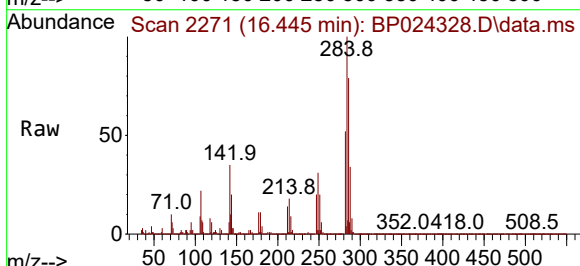
Manual Integrations
APPROVED

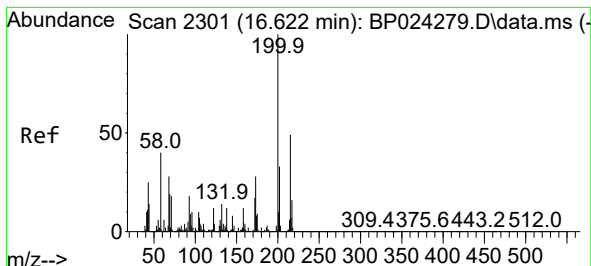
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#68
Hexachlorobenzene
Concen: 44.990 ng
RT: 16.445 min Scan# 2271
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

Tgt Ion:284 Resp: 608763
Ion Ratio Lower Upper
284 100
142 34.7 24.6 37.0
249 31.0 23.8 35.6





#69

Atrazine

Concen: 55.985 ng

RT: 16.627 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD

Tgt Ion:200 Resp: 44311

Ion Ratio Lower Upper

200 100

173 26.2 7.5 47.5

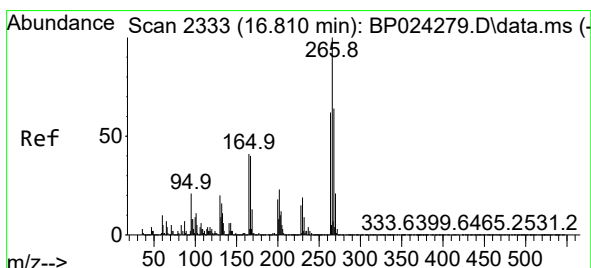
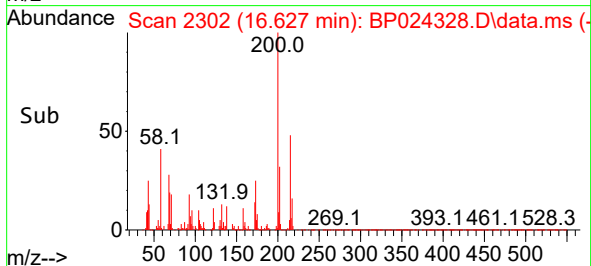
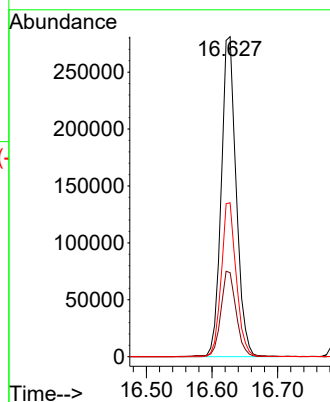
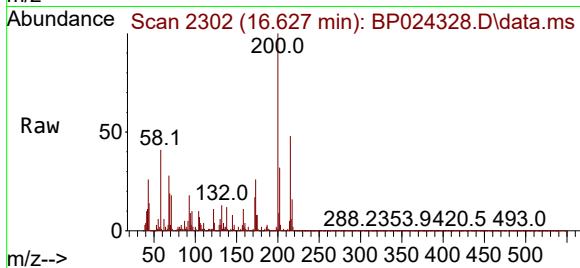
215 48.1 28.8 68.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#70

Pentachlorophenol

Concen: 88.816 ng

RT: 16.804 min Scan# 2332

Delta R.T. -0.024 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

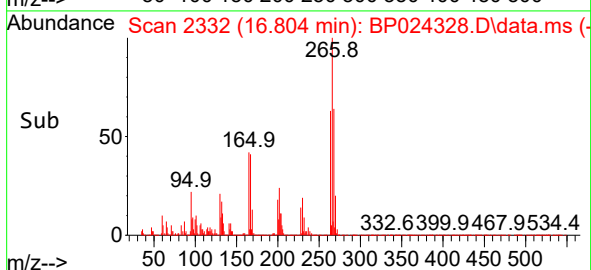
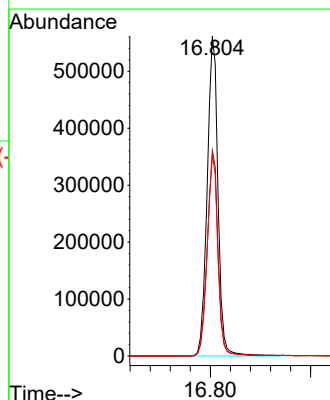
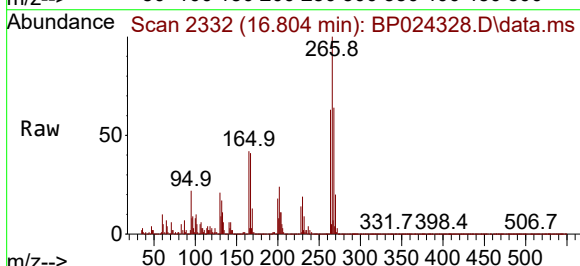
Tgt Ion:266 Resp: 838382

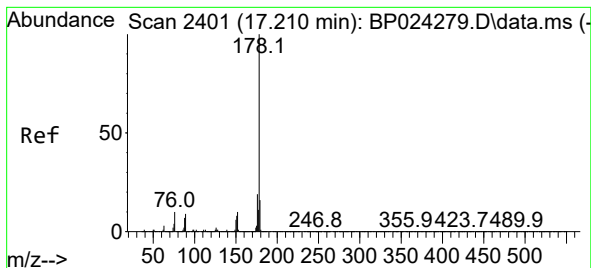
Ion Ratio Lower Upper

266 100

268 64.1 51.0 76.6

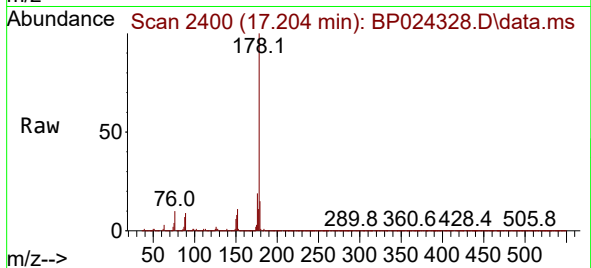
264 63.1 49.8 74.6





#71
Phenanthrene
Concen: 43.539 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.024 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

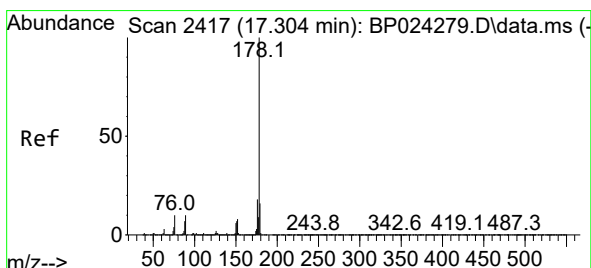
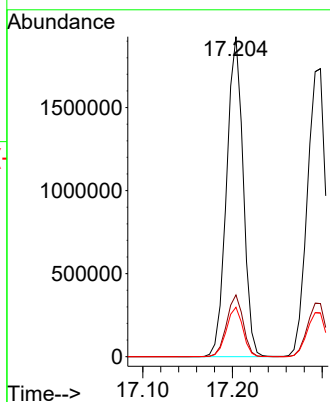
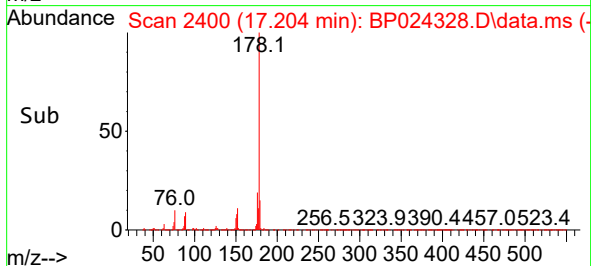
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:178 Resp: 2472978
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.5 12.5 18.7

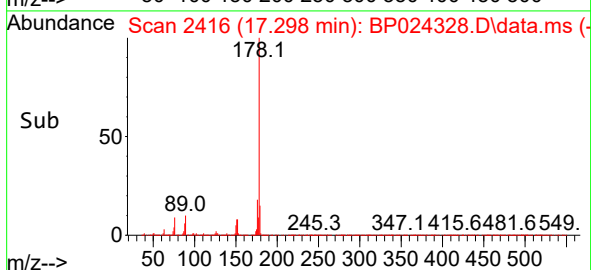
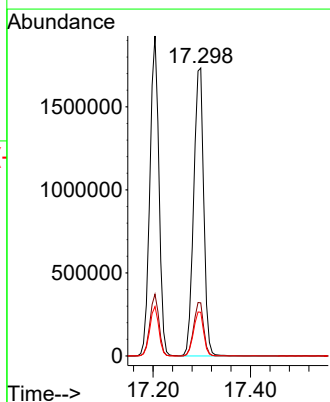
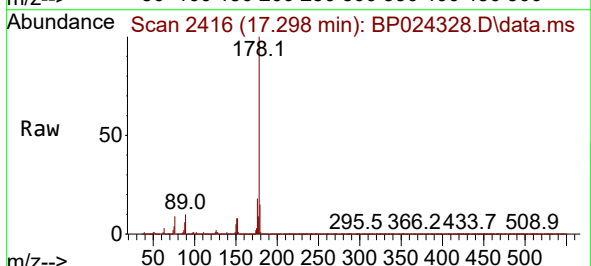
Manual Integrations
APPROVED

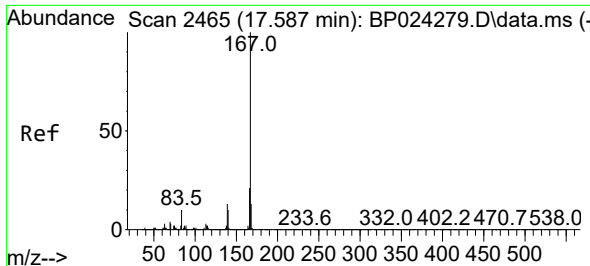
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#72
Anthracene
Concen: 45.718 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

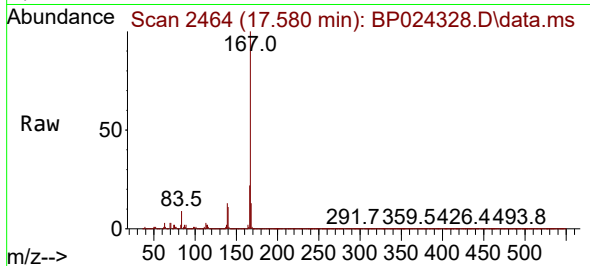
Tgt Ion:178 Resp: 2502684
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 44.460 ng
 RT: 17.580 min Scan# 2465
 Delta R.T. -0.024 min
 Lab File: BP024328.D
 Acq: 17 Apr 2025 16:01

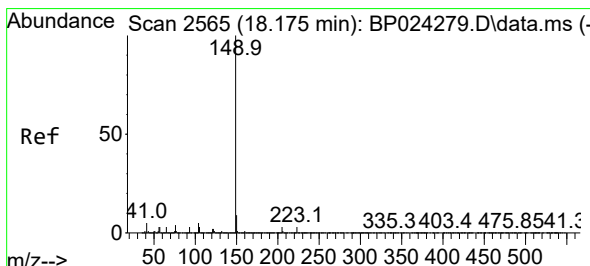
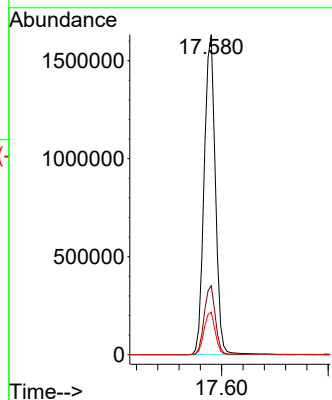
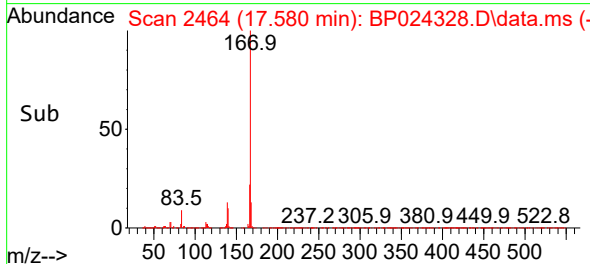
Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGMSD



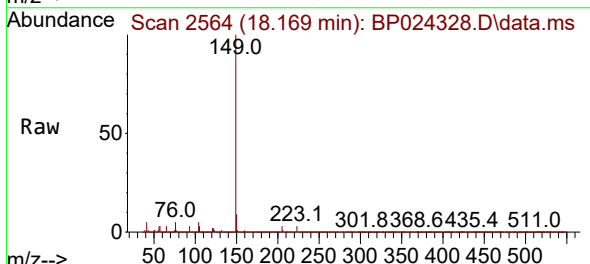
Tgt Ion:167 Resp: 2378089
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 13.3 10.6 16.0

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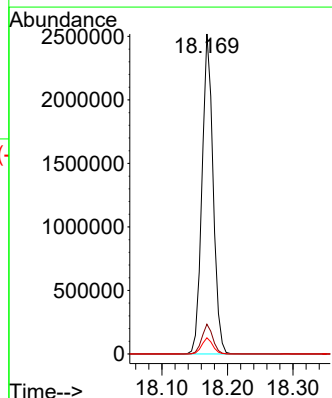
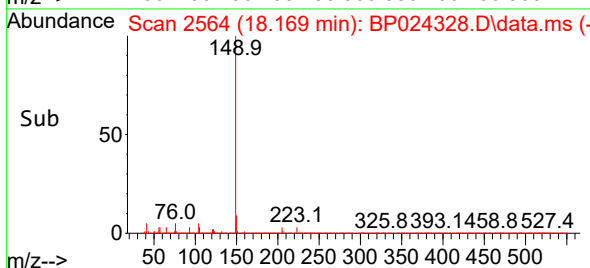
Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025

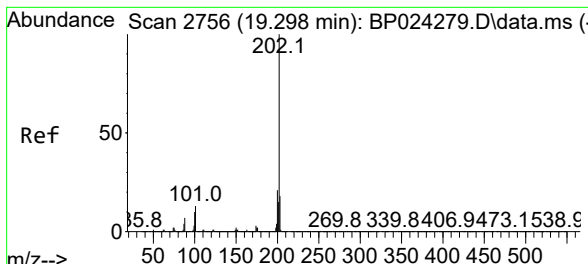


#74
 Di-n-butylphthalate
 Concen: 44.535 ng
 RT: 18.169 min Scan# 2564
 Delta R.T. -0.024 min
 Lab File: BP024328.D
 Acq: 17 Apr 2025 16:01



Tgt Ion:149 Resp: 2967744
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.1 3.9 5.9





#75
 Fluoranthene
 Concen: 43.526 ng
 RT: 19.280 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BP024328.D
 Acq: 17 Apr 2025 16:01

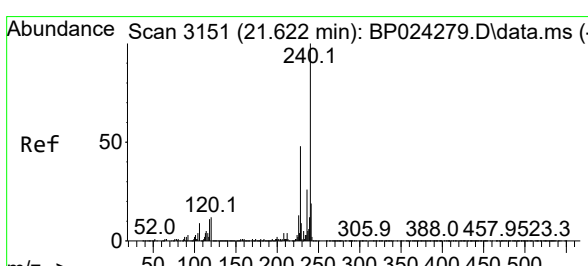
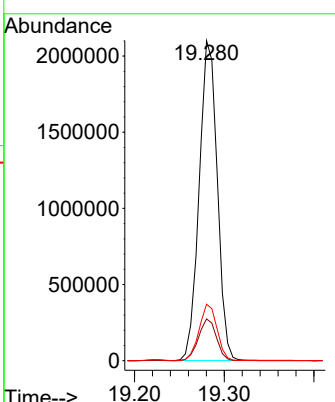
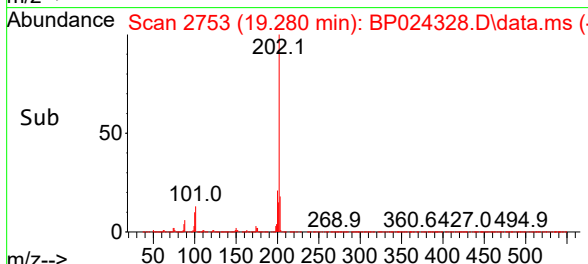
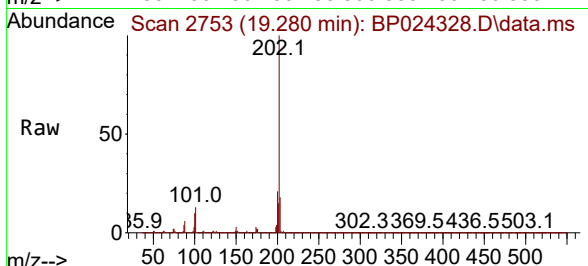
Instrument : BNA_P
 ClientSampleId : SOIL-CUTTINGMSD

Tgt Ion: 202 Resp: 294029

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.6	0.0	37.7

Manual Integrations
 APPROVED

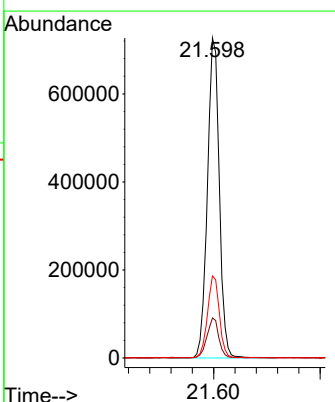
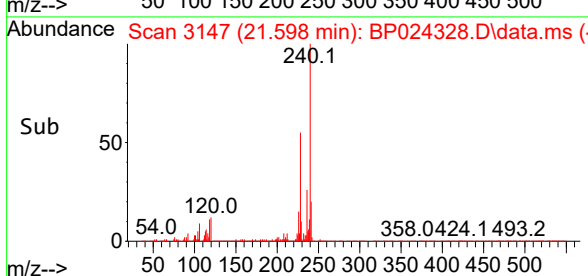
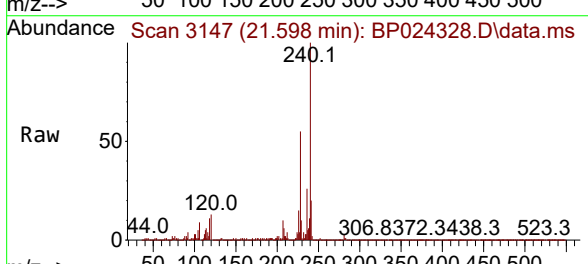
Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025

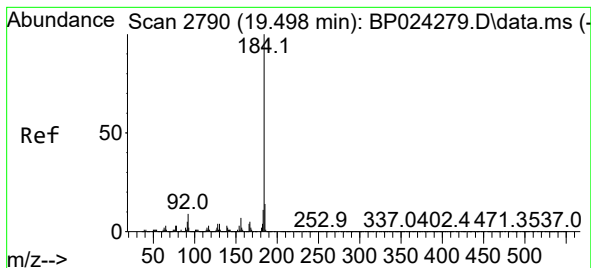


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.598 min Scan# 3147
 Delta R.T. -0.024 min
 Lab File: BP024328.D
 Acq: 17 Apr 2025 16:01

Tgt Ion: 240 Resp: 1124343

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.8	14.8
236	25.7	20.9	31.3





#77

Benzidine

Concen: 116.070 ng

RT: 19.486 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP024328.D

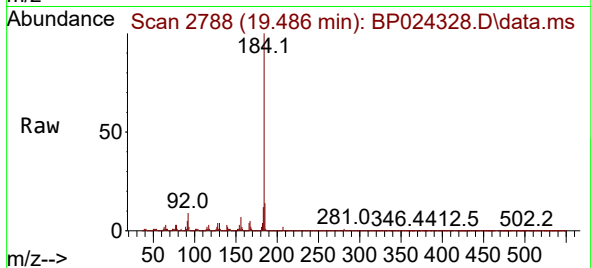
Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD



Tgt Ion:184 Resp: 1654230

Ion Ratio Lower Upper

184 100

185 14.3 11.6 17.4

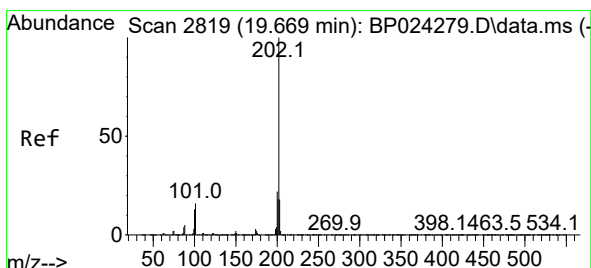
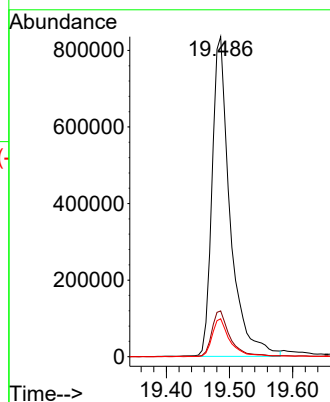
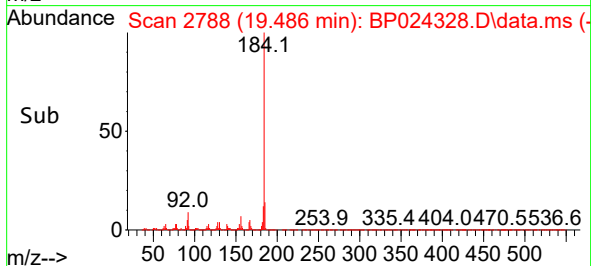
183 11.8 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#78

Pyrene

Concen: 42.415 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.030 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

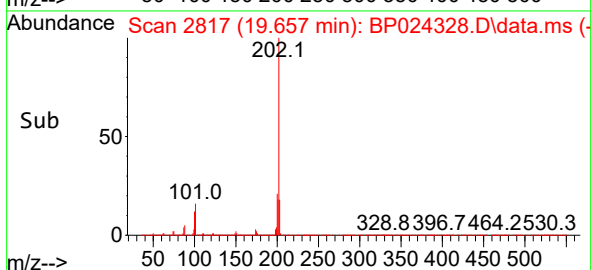
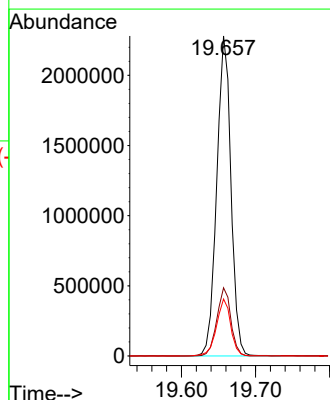
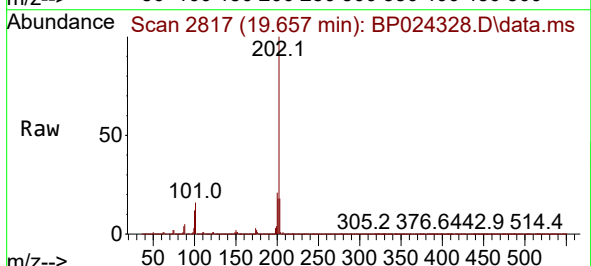
Tgt Ion:202 Resp: 3030680

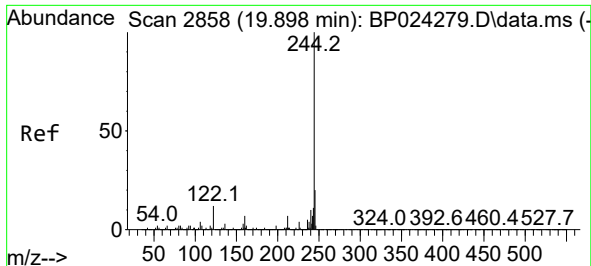
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

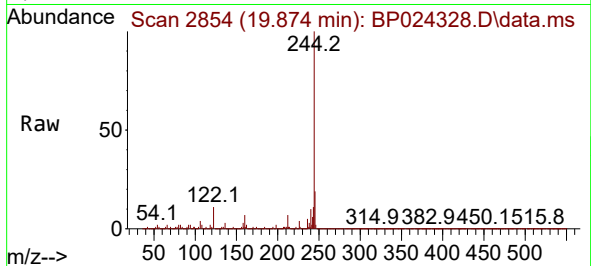
203 17.8 14.4 21.6





#79
 Terphenyl-d14
 Concen: 55.515 ng
 RT: 19.874 min Scan# 2854
 Delta R.T. -0.047 min
 Lab File: BP024328.D
 Acq: 17 Apr 2025 16:01

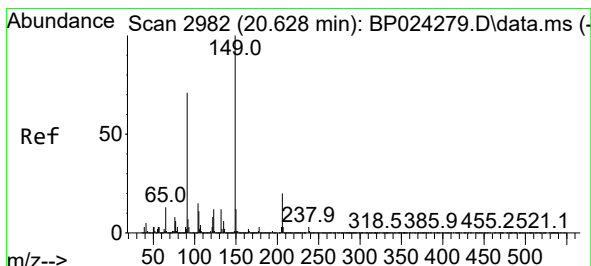
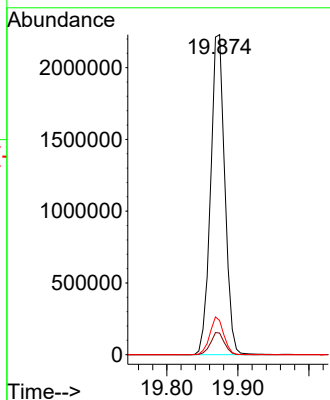
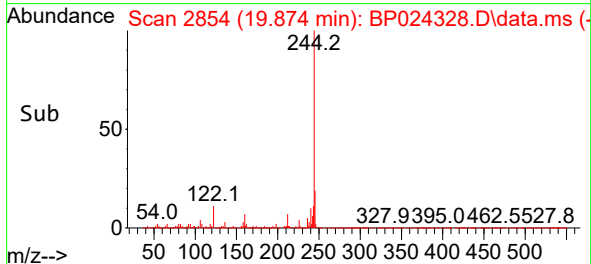
Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGMSD



Tgt Ion:244 Resp: 3096679
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.7 9.4 14.0

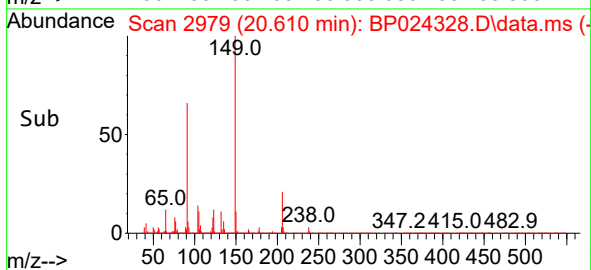
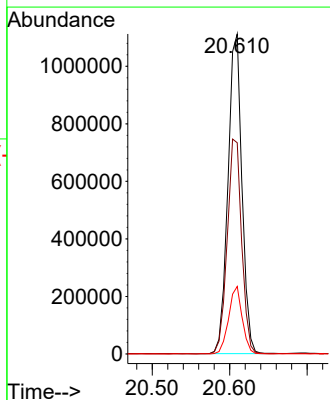
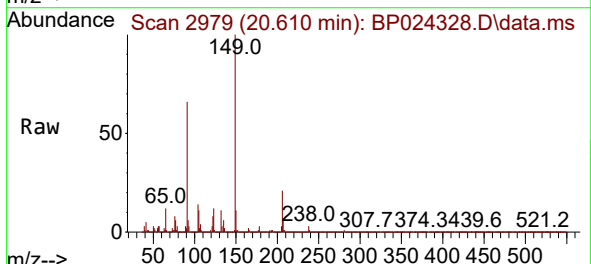
Manual Integrations
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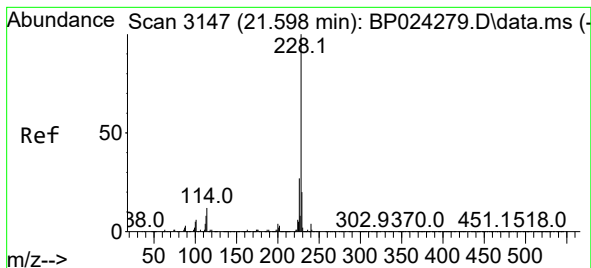
Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025



#80
 Butylbenzylphthalate
 Concen: 45.567 ng
 RT: 20.610 min Scan# 2979
 Delta R.T. -0.035 min
 Lab File: BP024328.D
 Acq: 17 Apr 2025 16:01

Tgt Ion:149 Resp: 1394581
 Ion Ratio Lower Upper
 149 100
 91 66.0 56.4 84.6
 206 21.1 16.3 24.5





#81

Benzo(a)anthracene

Concen: 44.761 ng

RT: 21.580 min Scan# 3147

Delta R.T. -0.024 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD

Tgt Ion:228 Resp: 312808

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

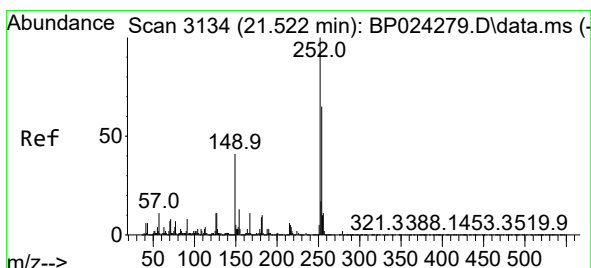
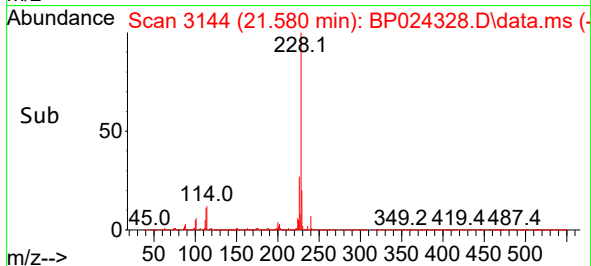
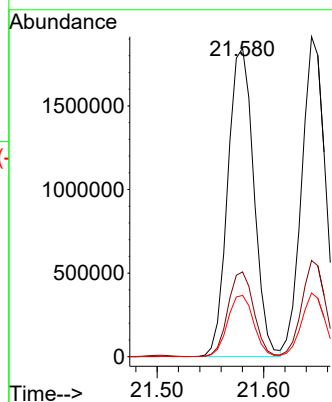
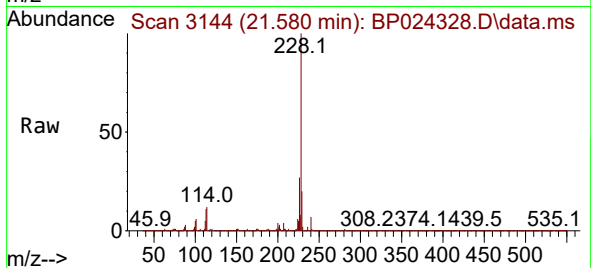
229 19.9 15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#82

3,3'-Dichlorobenzidine

Concen: 34.891 ng

RT: 21.504 min Scan# 3131

Delta R.T. -0.035 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

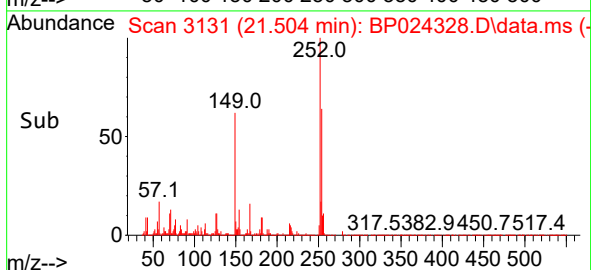
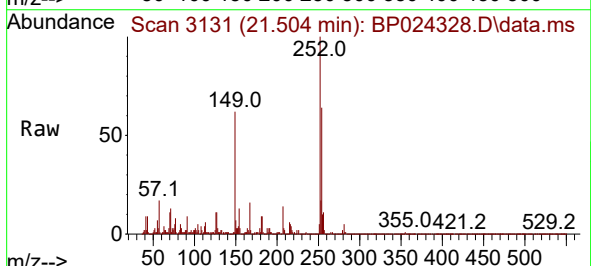
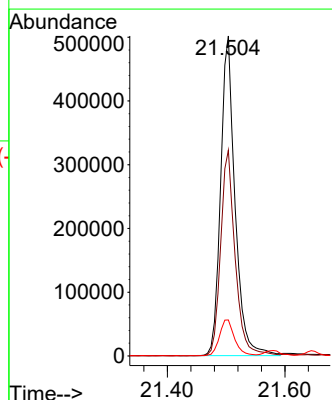
Tgt Ion:252 Resp: 855827

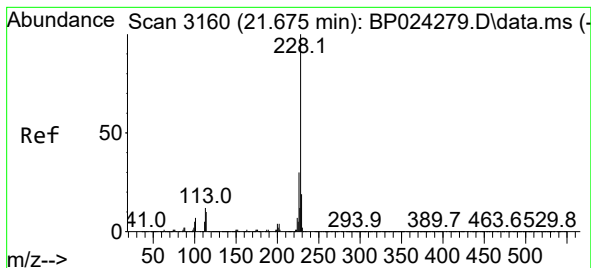
Ion Ratio Lower Upper

252 100

254 64.3 51.7 77.5

126 11.2 8.8 13.2





#83

Chrysene

Concen: 43.957 ng

RT: 21.645 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP024328.D

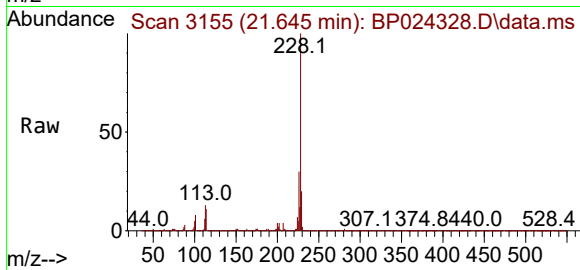
Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD



Tgt Ion:228 Resp: 294304

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

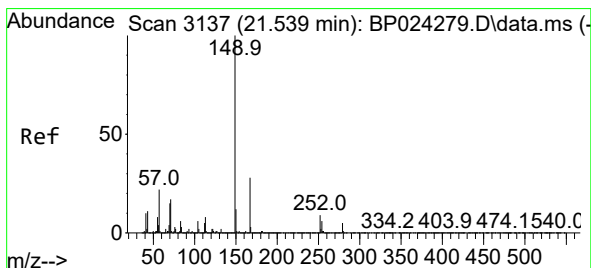
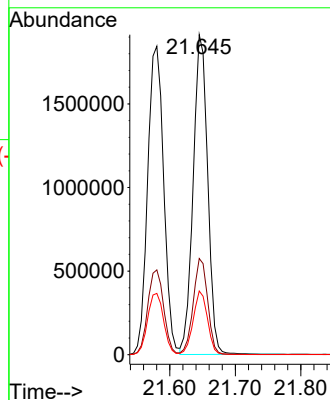
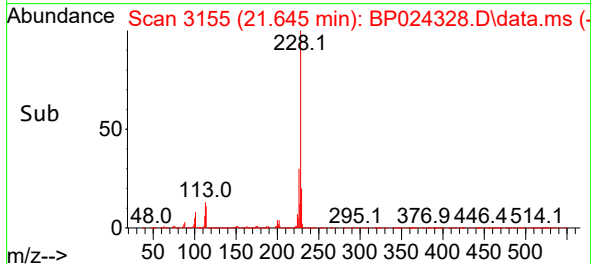
229 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.735 ng

RT: 21.521 min Scan# 3134

Delta R.T. -0.024 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

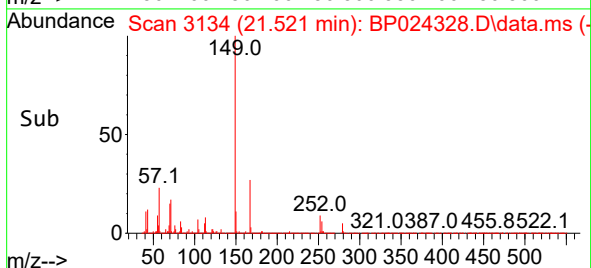
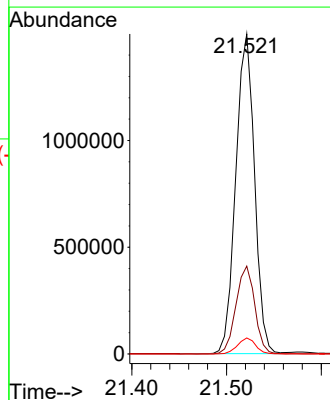
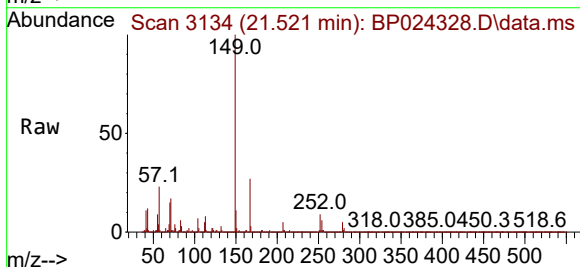
Tgt Ion:149 Resp: 2051948

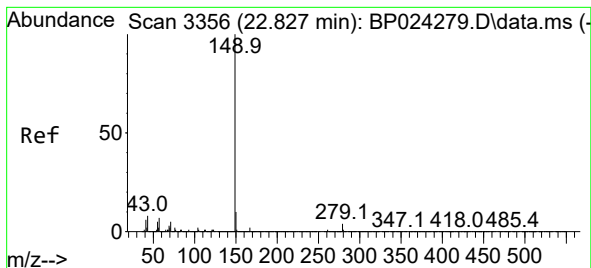
Ion Ratio Lower Upper

149 100

167 27.4 22.4 33.6

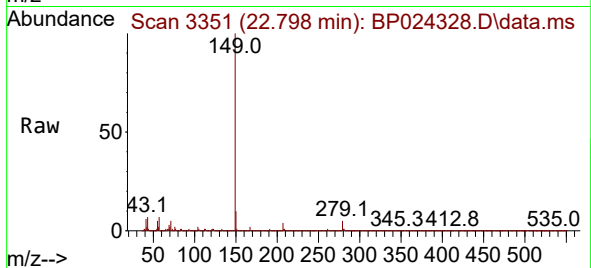
279 5.0 4.0 6.0





#85
Di-n-octyl phthalate
Concen: 48.887 ng
RT: 22.798 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

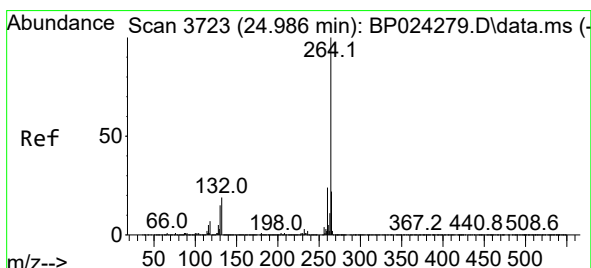
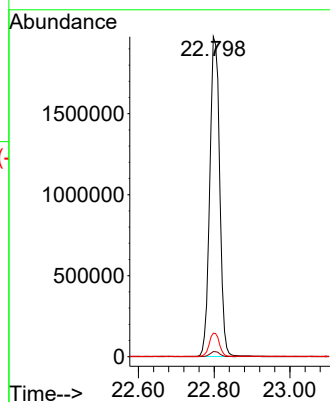
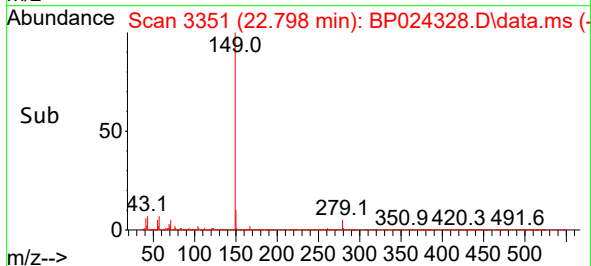
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTINGMSD



Tgt Ion:149 Resp: 3565788
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 7.4 6.0 9.0

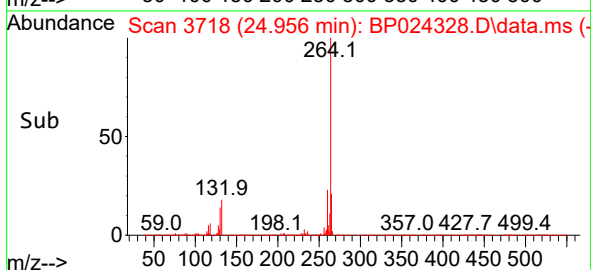
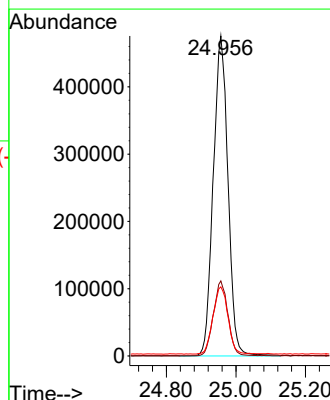
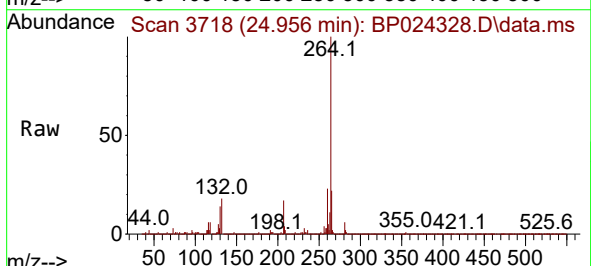
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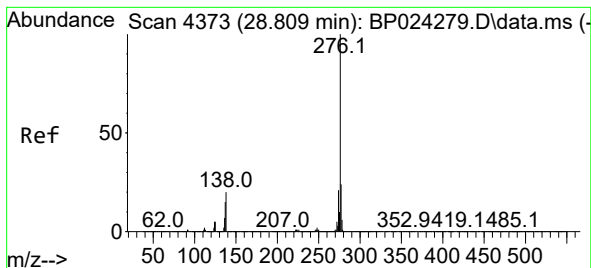
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.956 min Scan# 3718
Delta R.T. -0.030 min
Lab File: BP024328.D
Acq: 17 Apr 2025 16:01

Tgt Ion:264 Resp: 1396094
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 21.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.820 ng

RT: 28.756 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD

Tgt Ion:276 Resp: 4731750

Ion Ratio Lower Upper

276 100

138 17.6 14.5 21.7

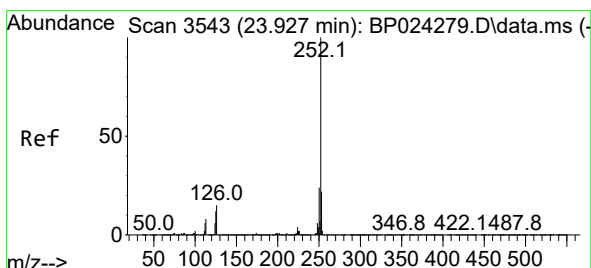
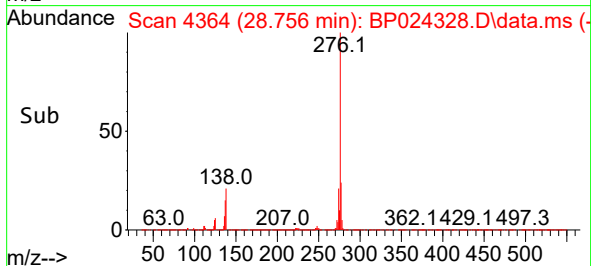
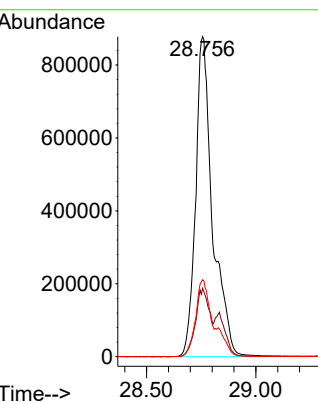
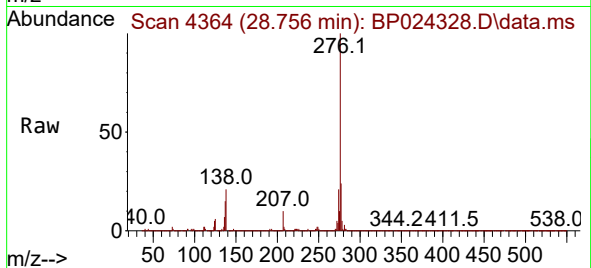
277 21.0 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#88

Benzo(b)fluoranthene

Concen: 41.748 ng

RT: 23.892 min Scan# 3537

Delta R.T. -0.041 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

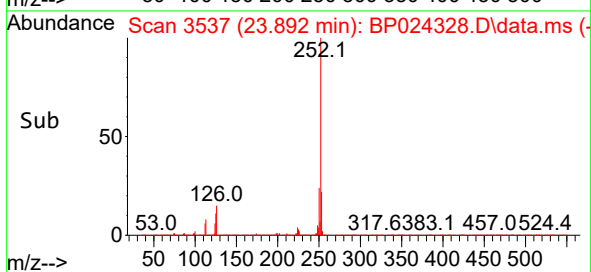
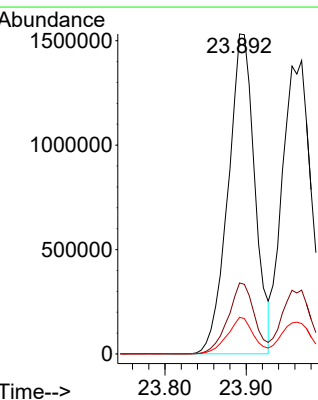
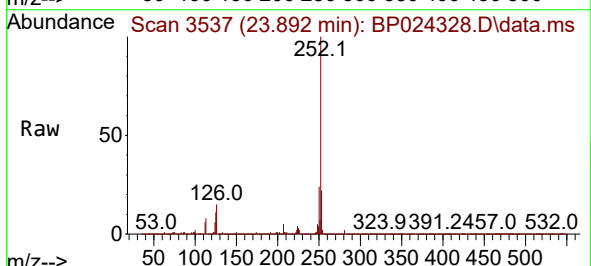
Tgt Ion:252 Resp: 3493620

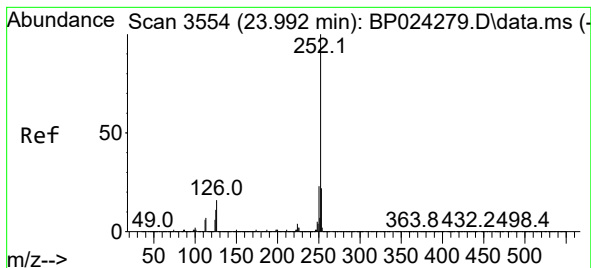
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.5 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 42.758 ng

RT: 23.968 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD

Tgt Ion:252 Resp: 345625

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

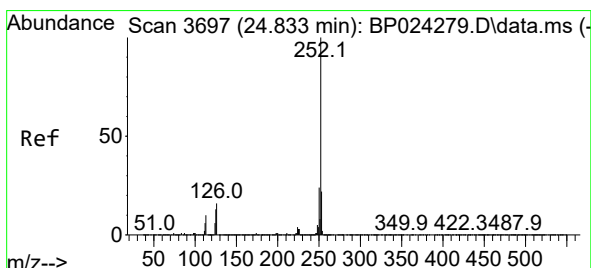
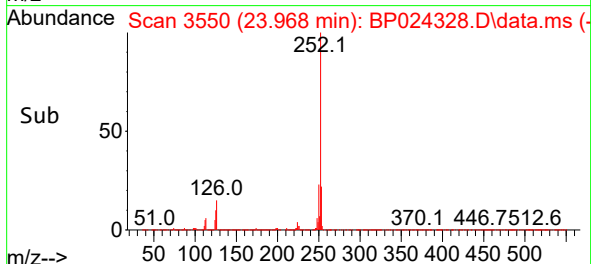
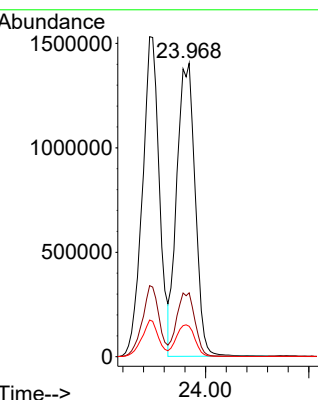
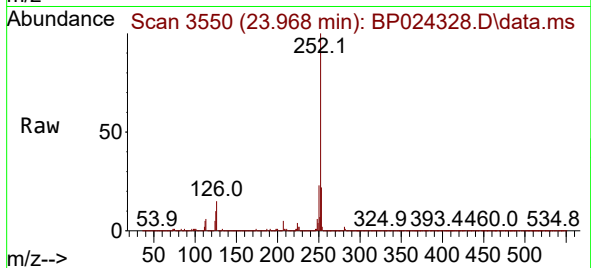
125 10.3 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#90

Benzo(a)pyrene

Concen: 47.524 ng

RT: 24.792 min Scan# 3690

Delta R.T. -0.041 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

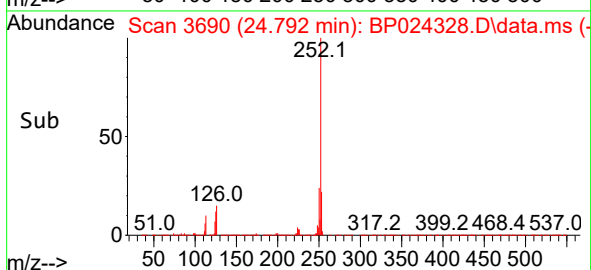
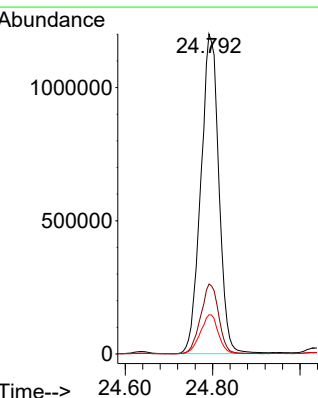
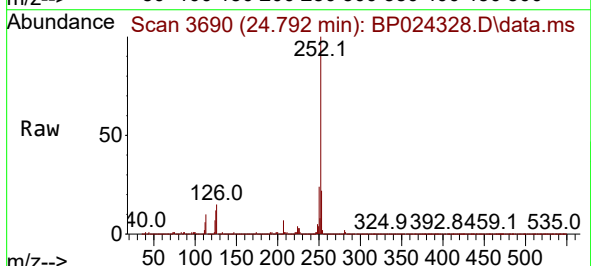
Tgt Ion:252 Resp: 3430513

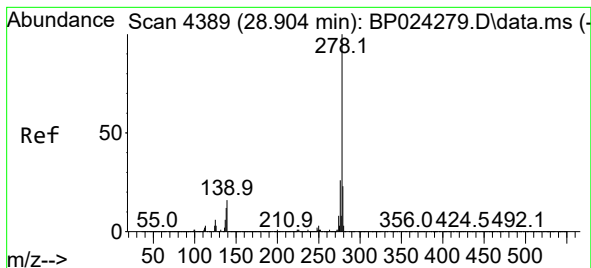
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 12.2 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 48.121 ng

RT: 28.833 min Scan# 41

Delta R.T. -0.053 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTINGMSD

Tgt Ion:278 Resp: 3871300

Ion Ratio Lower Upper

278 100

139 17.1 12.6 19.0

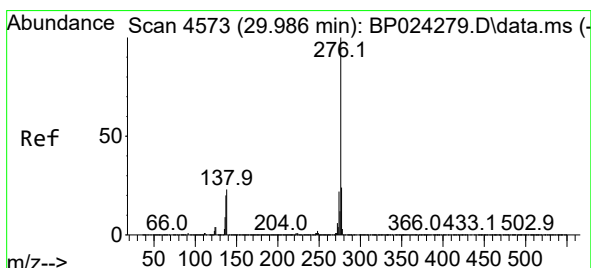
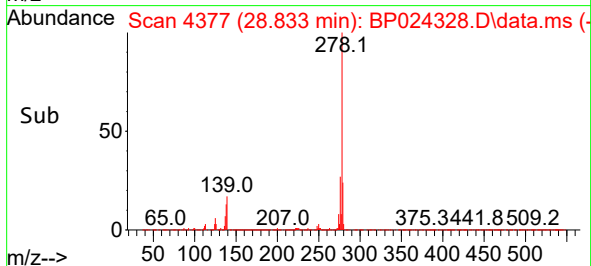
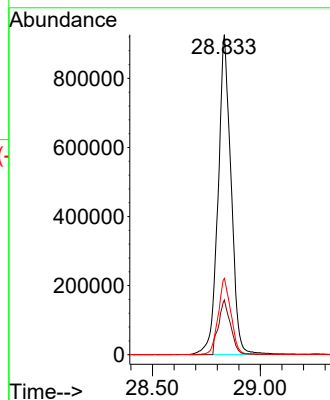
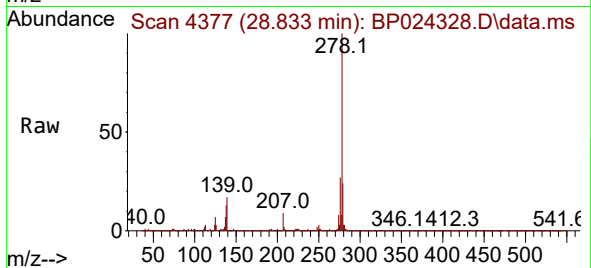
279 23.9 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#92

Benzo(g,h,i)perylene

Concen: 46.628 ng

RT: 29.950 min Scan# 4567

Delta R.T. -0.047 min

Lab File: BP024328.D

Acq: 17 Apr 2025 16:01

Tgt Ion:276 Resp: 3818194

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 22.0 18.7 28.1

