

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092024\
 Data File : BP021962.D
 Acq On : 20 Sep 2024 11:08
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 20 17:24:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	68921	20.000	ng	0.00
21) Naphthalene-d8	10.469	136	260134	20.000	ng	0.00
39) Acenaphthene-d10	14.322	164	203032	20.000	ng	0.00
64) Phenanthrene-d10	17.122	188	523328	20.000	ng	-0.02
76) Chrysene-d12	21.551	240	661687	20.000	ng	-0.01
86) Perylene-d12	24.845	264	836429	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	420550	114.672	ng	0.00
7) Phenol-d6	6.893	99	546969	114.886	ng	0.00
23) Nitrobenzene-d5	8.852	82	422913	86.024	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	542111	144.026	ng	-0.02
45) 2-Fluorobiphenyl	12.934	172	1165481	83.796	ng	0.00
79) Terphenyl-d14	19.851	244	2624220	74.500	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	6023	3.955	ng	95
3) Pyridine	3.664	79	12748	3.139	ng	96
4) n-Nitrosodimethylamine	3.564	42	9228	4.307	ng	# 86
6) Aniline	7.052	93	18740	4.479	ng	97
8) 2-Chlorophenol	7.281	128	15069	3.843	ng	90
9) Benzaldehyde	6.864	77	15527	6.237	ng	94
10) Phenol	6.916	94	17929	3.792	ng	# 75
11) bis(2-Chloroethyl)ether	7.140	93	13550	3.804	ng	99
12) 1,3-Dichlorobenzene	7.605	146	19152	3.868	ng	96
13) 1,4-Dichlorobenzene	7.746	146	19355	3.855	ng	98
14) 1,2-Dichlorobenzene	8.058	146	17881	3.710	ng	90
15) Benzyl Alcohol	7.946	79	14143	3.873	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.222	45	15431	4.062	ng	95
17) 2-Methylphenol	8.146	107	10826	3.389	ng	# 88
18) Hexachloroethane	8.781	117	6898	3.736	ng	93
19) n-Nitroso-di-n-propyla...	8.499	70	11693	3.951	ng	# 96
20) 3+4-Methylphenols	8.475	107	15929	3.532	ng	94
22) Acetophenone	8.516	105	25402	4.003	ng	# 95
24) Nitrobenzene	8.887	77	19418	3.889	ng	92
25) Isophorone	9.416	82	31639	3.904	ng	98
26) 2-Nitrophenol	9.587	139	7134	3.268	ng	# 87
27) 2,4-Dimethylphenol	9.657	122	6522	2.580	ng	98
28) bis(2-Chloroethoxy)met...	9.887	93	17563	3.614	ng	96
29) 2,4-Dichlorophenol	10.128	162	14811	3.452	ng	92
30) 1,2,4-Trichlorobenzene	10.340	180	20488	3.834	ng	97
31) Naphthalene	10.522	128	50218	3.869	ng	96
32) Benzoic acid	9.722	122	8116m	2.746	ng	
33) 4-Chloroaniline	10.628	127	18600	3.973	ng	98
34) Hexachlorobutadiene	10.810	225	16238	3.884	ng	96
35) Caprolactam	11.393	113	4101	3.212	ng	93
36) 4-Chloro-3-methylphenol	11.751	107	15619	3.393	ng	92
37) 2-Methylnaphthalene	12.128	142	36204	3.812	ng	97
38) 1-Methylnaphthalene	12.346	142	34709	3.702	ng	# 92
40) 1,2,4,5-Tetrachloroben...	12.499	216	27746	3.906	ng	99
41) Hexachlorocyclopentadiene	12.475	237	6492	2.460	ng	93
43) 2,4,6-Trichlorophenol	12.734	196	15194	3.485	ng	88

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 Sample : P2403-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

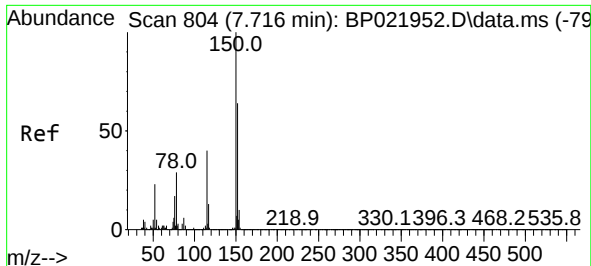
Quant Time: Sep 20 17:24:58 2024
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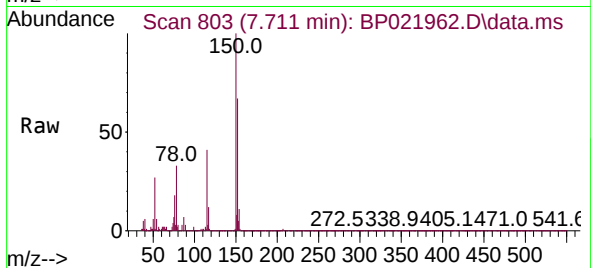
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.810	196	17014	3.479	ng	93
46) 1,1'-Biphenyl	13.140	154	57443	4.149	ng	97
47) 2-Chloronaphthalene	13.187	162	41420	3.700	ng	97
48) 2-Nitroaniline	13.381	65	10019	3.278	ng	95
49) Acenaphthylene	14.040	152	62601	3.963	ng	96
50) Dimethylphthalate	13.769	163	57108	3.878	ng	99
51) 2,6-Dinitrotoluene	13.887	165	10788	3.288	ng	# 80
52) Acenaphthene	14.381	154	39660	3.858	ng	94
53) 3-Nitroaniline	14.222	138	9369	3.204	ng	# 97
54) 2,4-Dinitrophenol	14.434	184	5626	2.926	ng	93
55) Dibenzofuran	14.722	168	68701	3.976	ng	98
56) 4-Nitrophenol	14.545	139	7643	3.003	ng	97
57) 2,4-Dinitrotoluene	14.693	165	14054	3.030	ng	98
58) Fluorene	15.387	166	56041	3.884	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.957	232	17767	3.764	ng	# 98
60) Diethylphthalate	15.151	149	57852	3.866	ng	97
61) 4-Chlorophenyl-phenyle...	15.387	204	33384	3.974	ng	99
62) 4-Nitroaniline	15.398	138	10721	3.334	ng	97
63) Azobenzene	15.681	77	47523	3.838	ng	96
65) 4,6-Dinitro-2-methylph...	15.463	198	9273	3.057	ng	94
66) n-Nitrosodiphenylamine	15.592	169	48798	3.745	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	22905	3.755	ng	89
68) Hexachlorobenzene	16.410	284	28106	3.695	ng	98
69) Atrazine	16.563	200	20472	4.385	ng	97
70) Pentachlorophenol	16.769	266	16294	3.184	ng	94
71) Phenanthrene	17.163	178	98742	3.931	ng	99
72) Anthracene	17.251	178	89397	3.676	ng	98
73) Carbazole	17.534	167	84456	3.596	ng	99
74) Di-n-butylphthalate	18.134	149	96007	3.480	ng	99
75) Fluoranthene	19.251	202	127356	3.632	ng	99
77) Benzidine	19.451	184	35508	4.391	ng	# 94
78) Pyrene	19.628	202	136449	3.409	ng	99
80) Butylbenzylphthalate	20.580	149	45114	3.160	ng	99
81) Benzo(a)anthracene	21.533	228	160494	3.775	ng	99
82) 3,3'-Dichlorobenzidine	21.457	252	54025	3.502	ng	99
83) Chrysene	21.598	228	157652	3.938	ng	99
84) Bis(2-ethylhexyl)phtha...	21.474	149	66951	3.195	ng	98
85) Di-n-octyl phthalate	22.739	149	110107	3.094	ng	98
87) Indeno(1,2,3-cd)pyrene	28.562	276	236480	4.251	ng	99
88) Benzo(b)fluoranthene	23.804	252	175043	3.539	ng	99
89) Benzo(k)fluoranthene	23.869	252	171273	3.659	ng	98
90) Benzo(a)pyrene	24.686	252	159223	3.736	ng	# 98
91) Dibenzo(a,h)anthracene	28.627	278	195177	4.251	ng	99
92) Benzo(g,h,i)perylene	29.721	276	188690	4.012	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 804
Delta R.T. -0.005 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

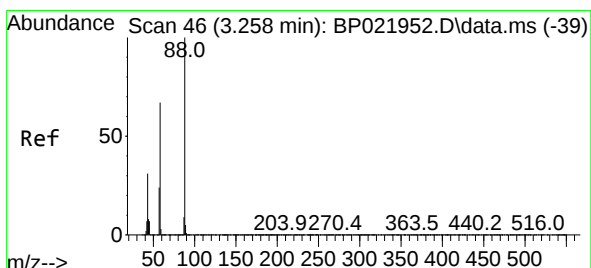
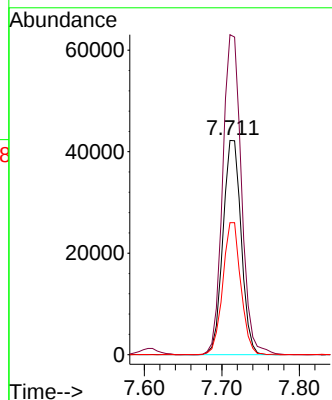
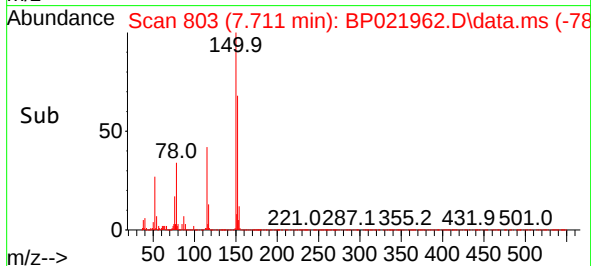
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 152 Resp: 6892
Ion Ratio Lower Upper
152 100
150 149.4 124.2 186.2
115 61.6 49.2 73.8

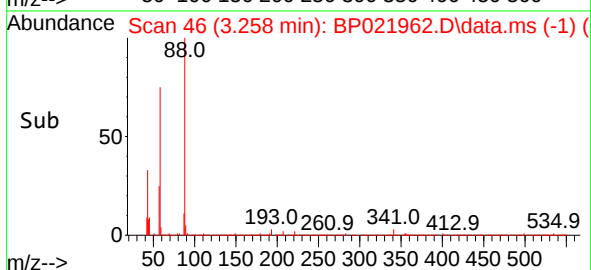
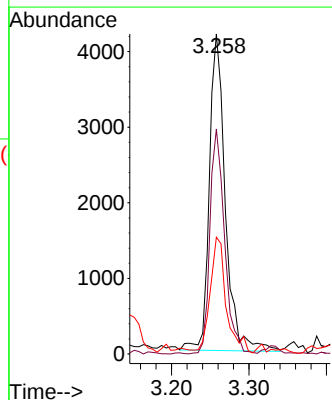
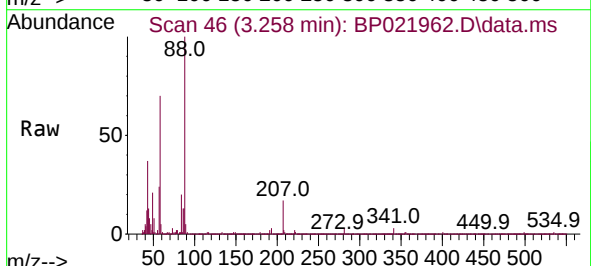
Manual Integrations
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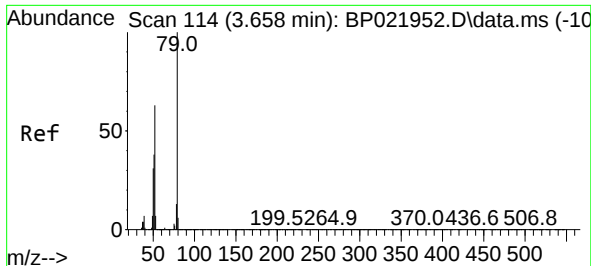
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#2
1,4-Dioxane
Concen: 3.955 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

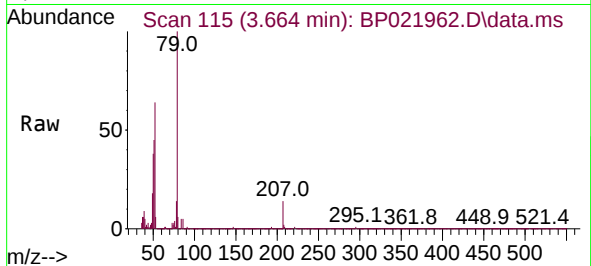
Tgt Ion: 88 Resp: 6023
Ion Ratio Lower Upper
88 100
58 64.7 53.8 80.6
43 36.6 25.2 37.8





#3
Pyridine
Concen: 3.139 ng
RT: 3.664 min Scan# 114
Delta R.T. 0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

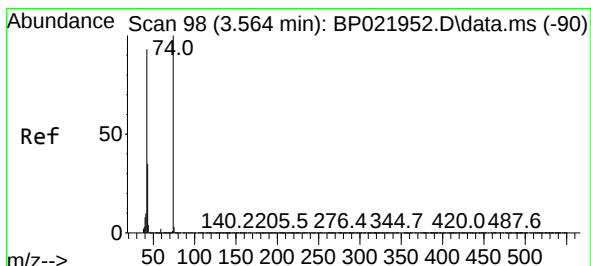
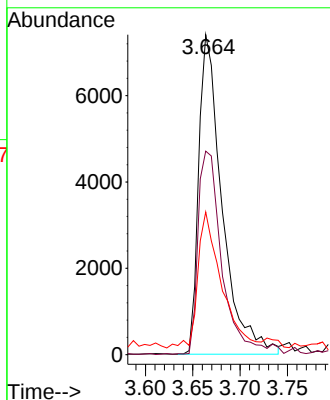
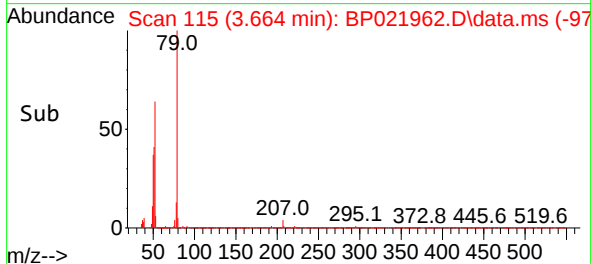
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



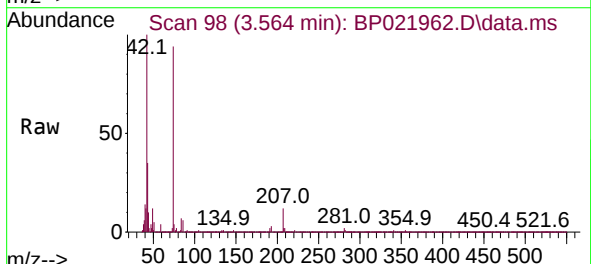
Tgt Ion: 79 Resp: 12748
Ion Ratio Lower Upper
79 100
52 63.6 50.3 75.5
51 44.6 30.9 46.3

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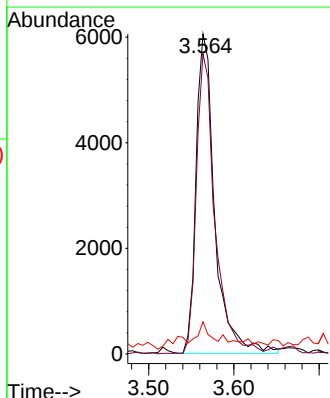
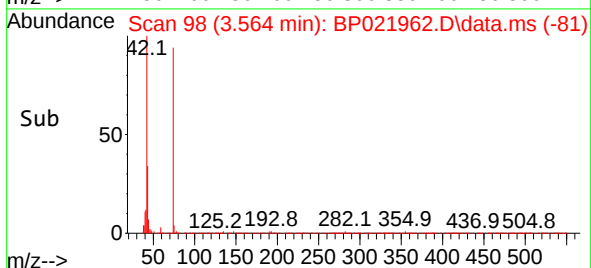
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Supervised By :mohammad ahmed 09/24/2024

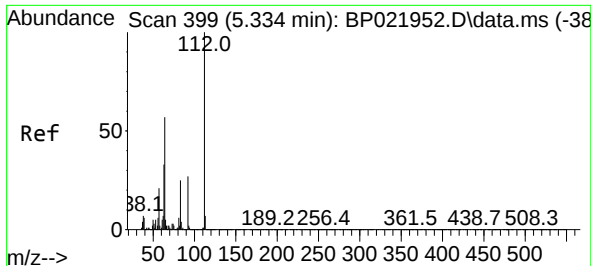


#4
n-Nitrosodimethylamine
Concen: 4.307 ng
RT: 3.564 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08



Tgt Ion: 42 Resp: 9228
Ion Ratio Lower Upper
42 100
74 93.8 86.3 129.5
44 10.1 4.0 6.0





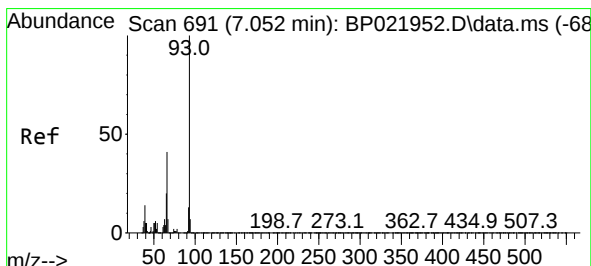
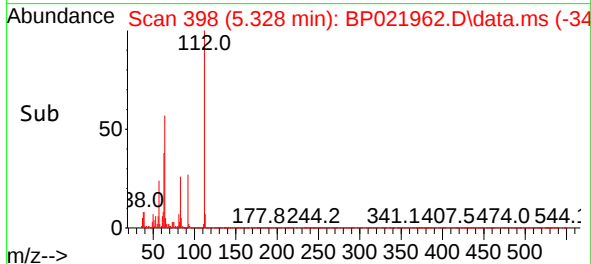
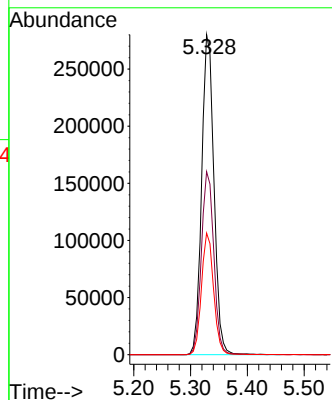
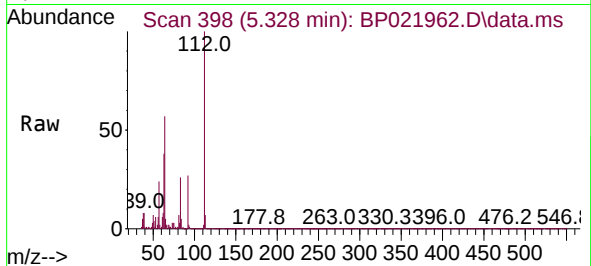
#5
2-Fluorophenol
Concen: 114.672 ng
RT: 5.328 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:112 Resp: 420550
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.0
63 38.0 26.6 39.8

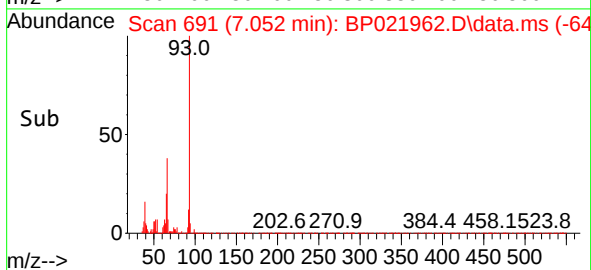
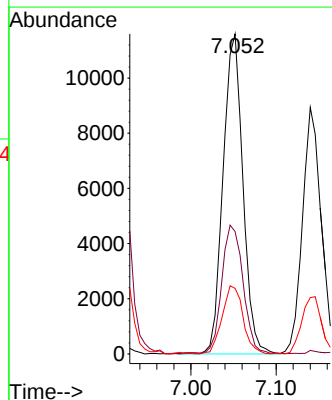
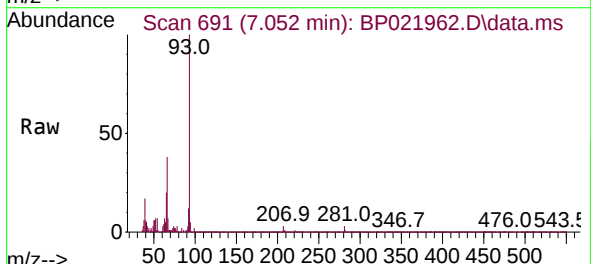
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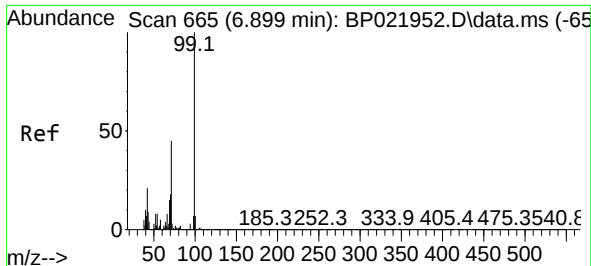
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#6
Aniline
Concen: 4.479 ng
RT: 7.052 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

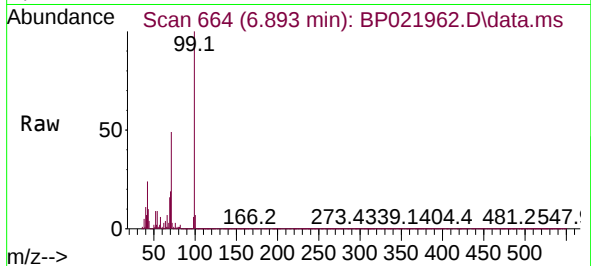
Tgt Ion: 93 Resp: 18740
Ion Ratio Lower Upper
93 100
66 38.2 33.0 49.4
65 20.5 16.1 24.1





#7
Phenol-d6
Concen: 114.886 ng
RT: 6.893 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

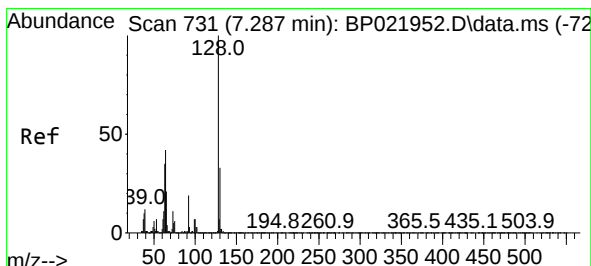
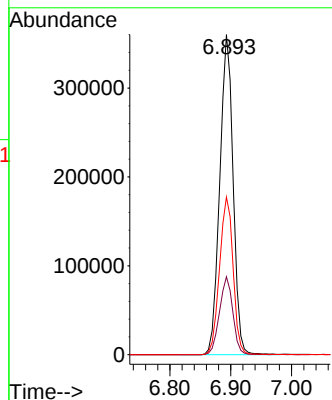
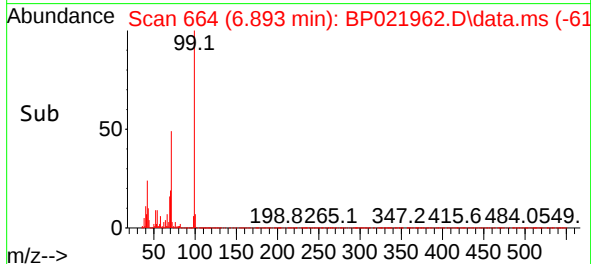
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 54696
Ion Ratio Lower Upper
99 100
42 24.3 16.8 25.2
71 49.3 35.8 53.6

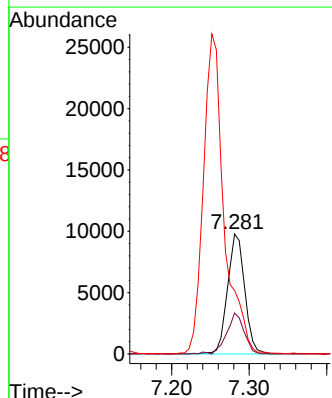
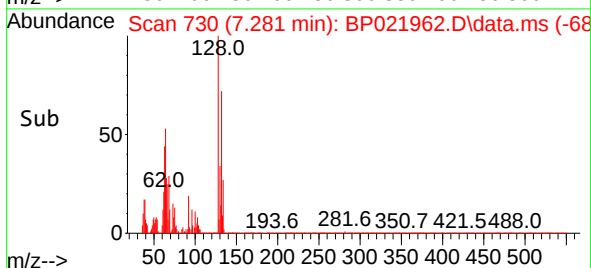
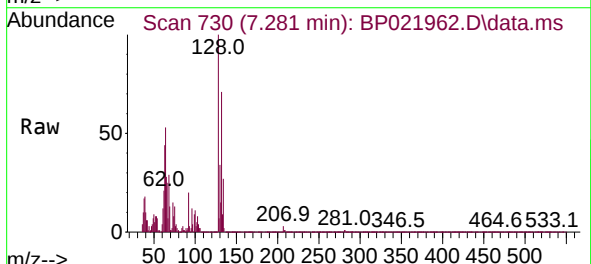
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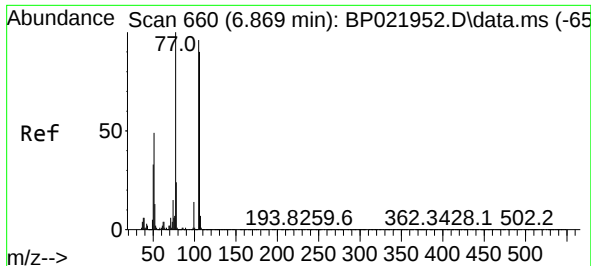
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#8
2-Chlorophenol
Concen: 3.843 ng
RT: 7.281 min Scan# 730
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:128 Resp: 15069
Ion Ratio Lower Upper
128 100
130 34.1 13.1 53.1
64 52.9 22.1 62.1





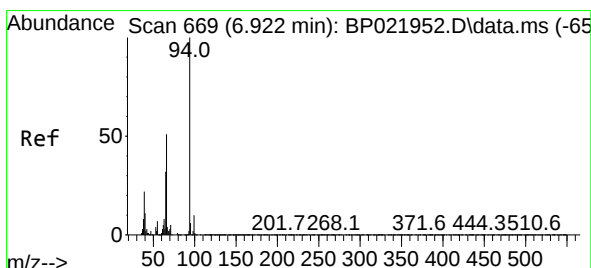
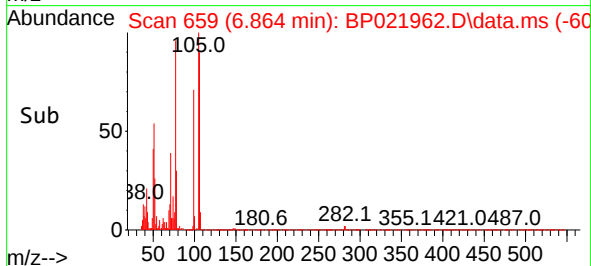
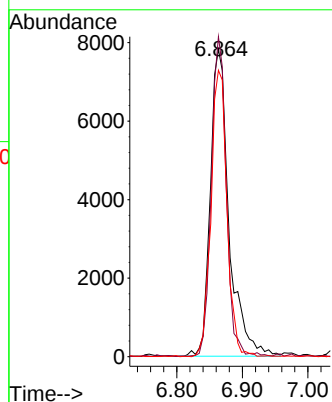
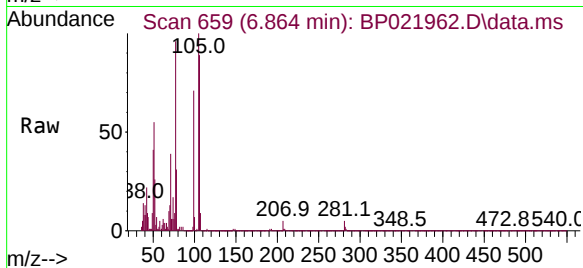
#9
Benzaldehyde
Concen: 6.237 ng
RT: 6.864 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77	Resp: 1552
Ion Ratio	Lower Upper
77 100	
105 104.2	76.1 116.1
106 93.2	69.9 109.9

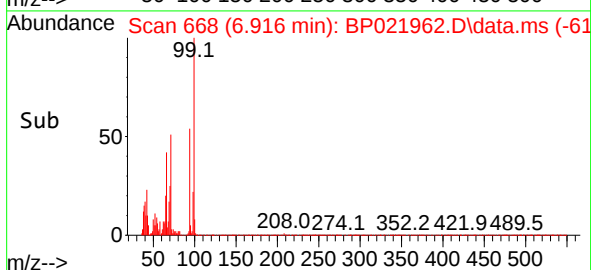
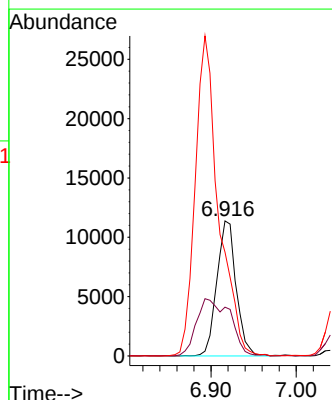
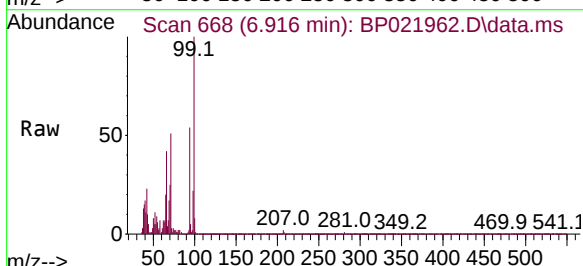
Manual Integrations
APPROVED

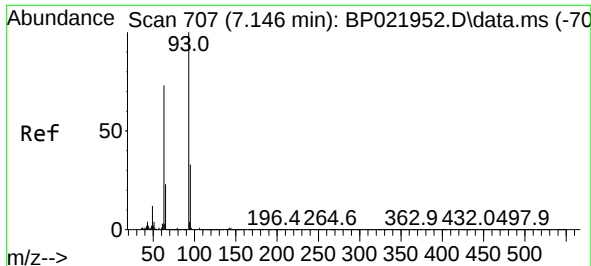
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#10
Phenol
Concen: 3.792 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion: 94	Resp: 17929
Ion Ratio	Lower Upper
94 100	
65 36.2	12.5 52.5
66 76.9	31.2 71.2





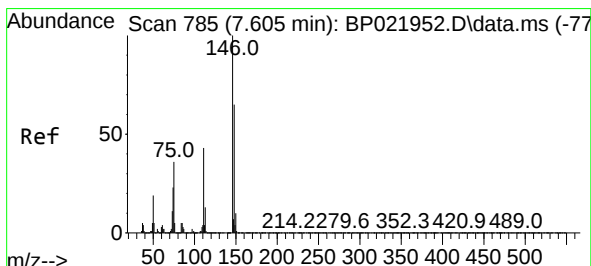
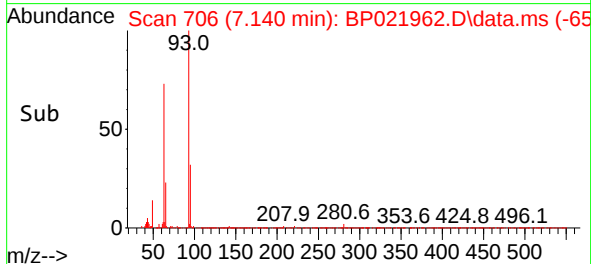
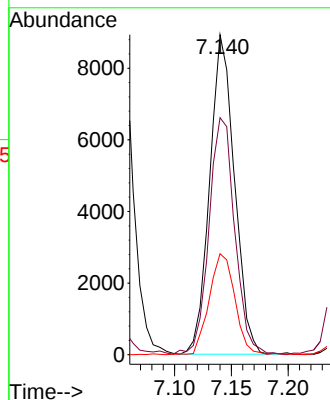
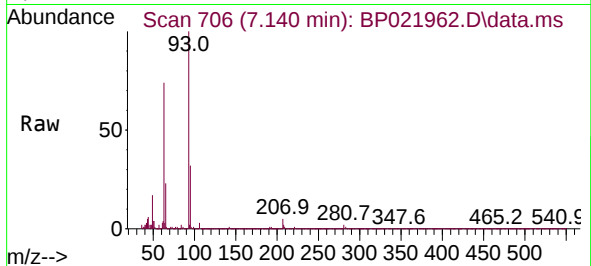
#11
bis(2-Chloroethyl)ether
Concen: 3.804 ng
RT: 7.140 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 93 Resp: 13550
Ion Ratio Lower Upper
93 100
63 74.0 53.0 93.0
95 31.6 12.4 52.4

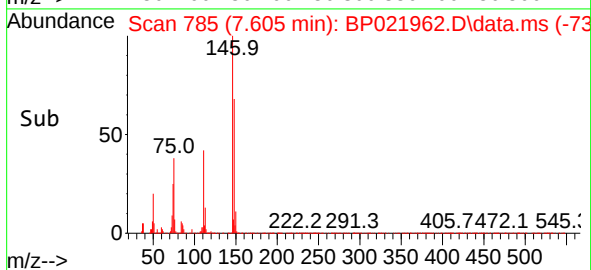
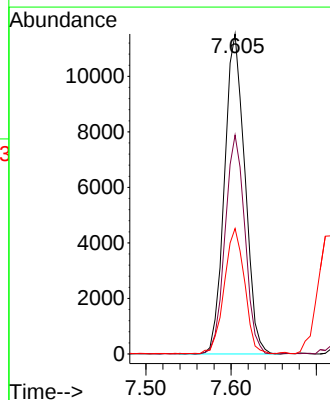
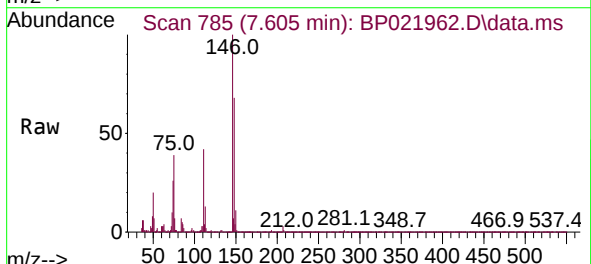
Manual Integrations
APPROVED

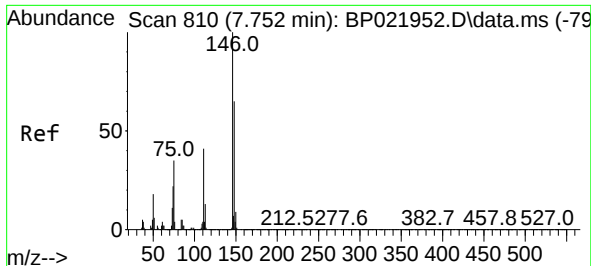
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#12
1,3-Dichlorobenzene
Concen: 3.868 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:146 Resp: 19152
Ion Ratio Lower Upper
146 100
148 68.4 52.3 78.5
75 39.2 29.0 43.6





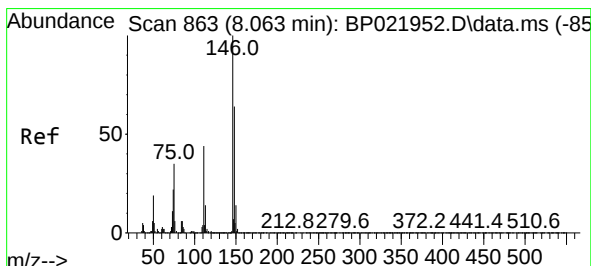
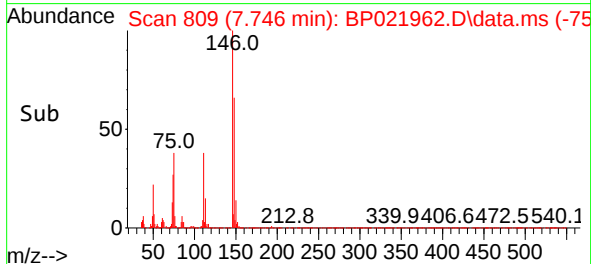
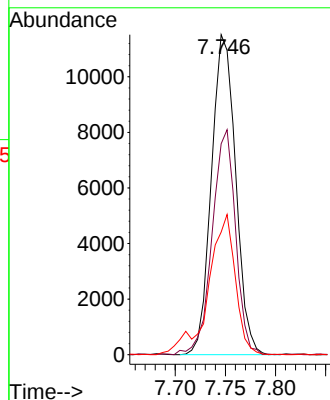
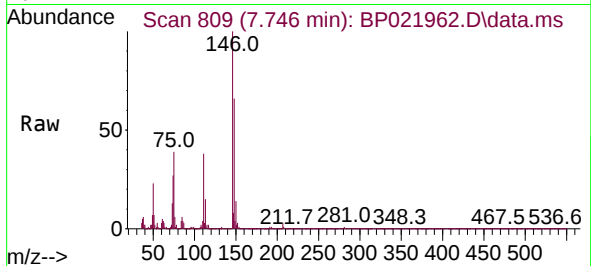
#13
1,4-Dichlorobenzene
Concen: 3.855 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:146 Resp: 1935
Ion Ratio Lower Upper
146 100
148 65.9 52.2 78.4
111 38.3 32.6 48.8

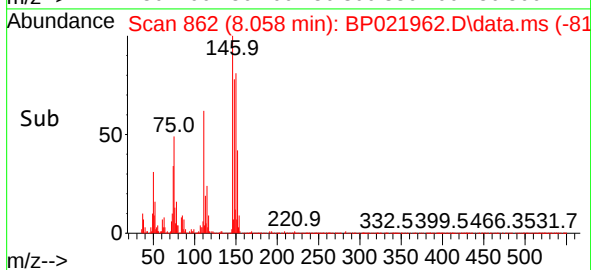
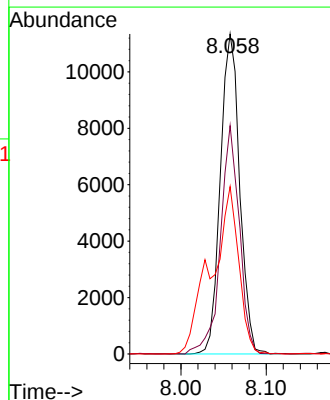
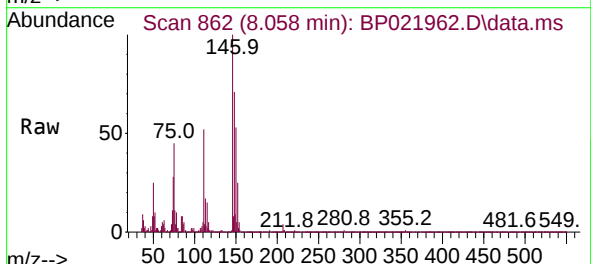
Manual Integrations
APPROVED

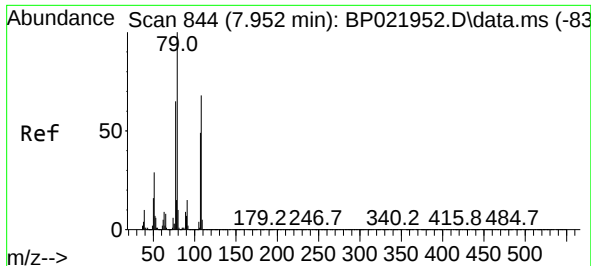
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#14
1,2-Dichlorobenzene
Concen: 3.710 ng
RT: 8.058 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

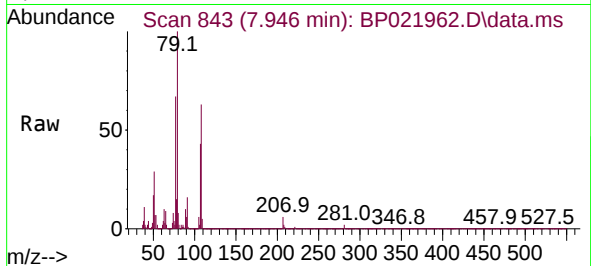
Tgt Ion:146 Resp: 17881
Ion Ratio Lower Upper
146 100
148 71.4 51.3 76.9
111 52.3 35.6 53.4





#15
Benzyl Alcohol
Concen: 3.873 ng
RT: 7.946 min Scan# 844
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

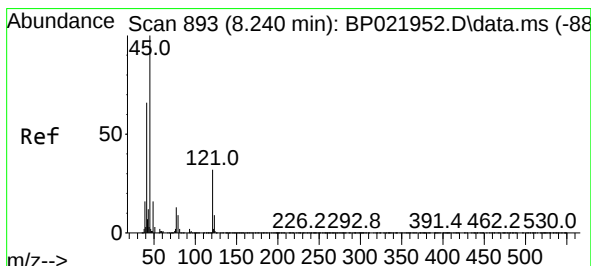
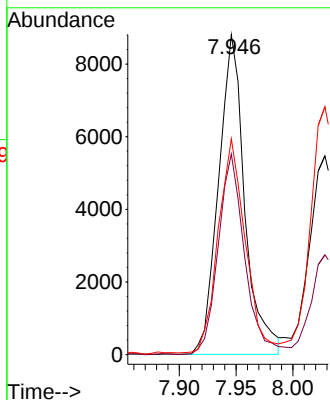
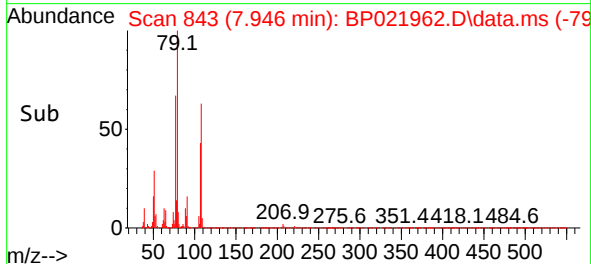
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 79 Resp: 1414
Ion Ratio Lower Upper
79 100
108 62.7 54.7 82.1
77 67.5 51.8 77.8

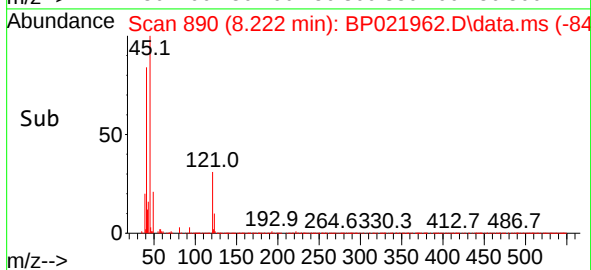
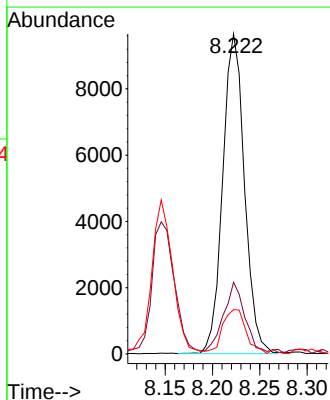
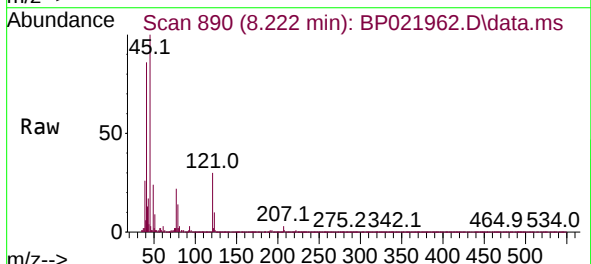
Manual Integrations
APPROVED

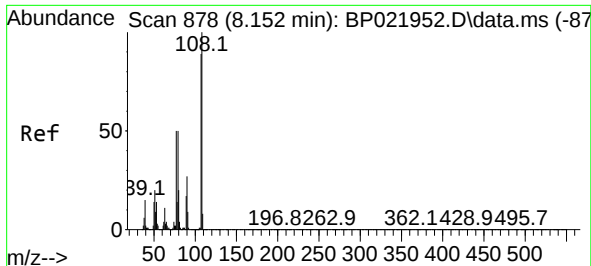
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.062 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion: 45 Resp: 15431
Ion Ratio Lower Upper
45 100
77 22.4 0.0 39.5
79 13.8 0.0 34.9





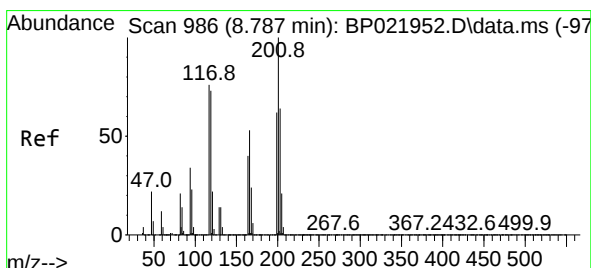
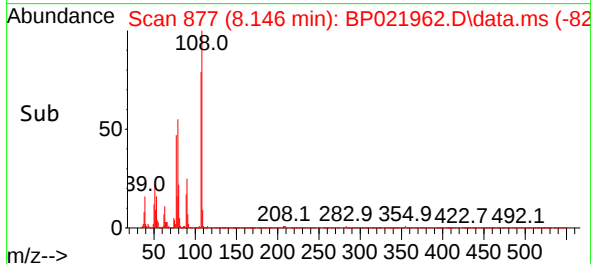
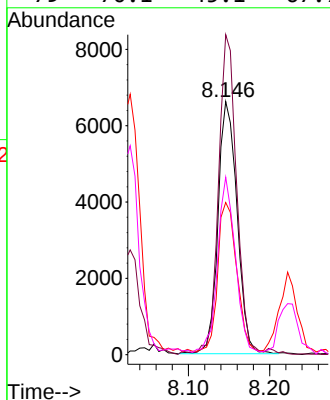
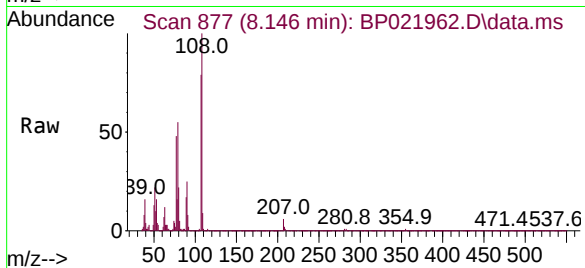
#17
2-Methylphenol
Concen: 3.389 ng
RT: 8.146 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:107 Resp: 10820
Ion Ratio Lower Upper
107 100
108 126.4 90.3 135.5
77 60.1 45.1 67.7
79 70.1 45.1 67.7#

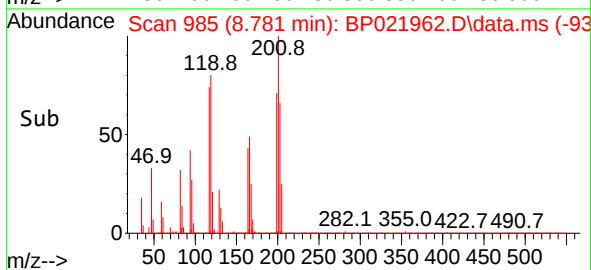
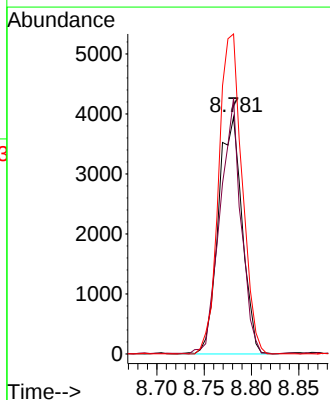
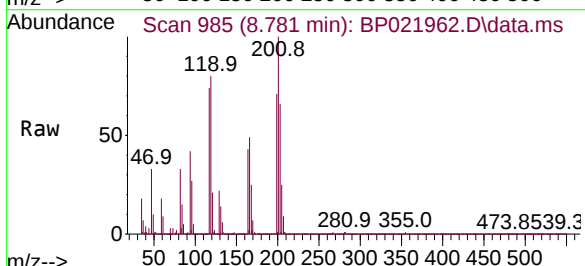
Manual Integrations
APPROVED

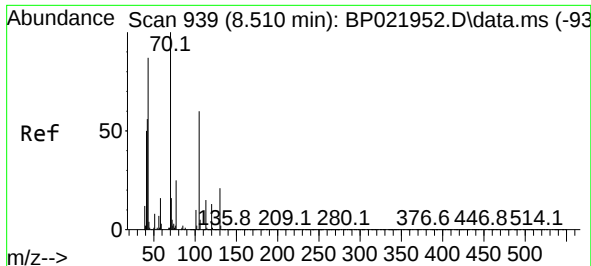
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#18
Hexachloroethane
Concen: 3.736 ng
RT: 8.781 min Scan# 985
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

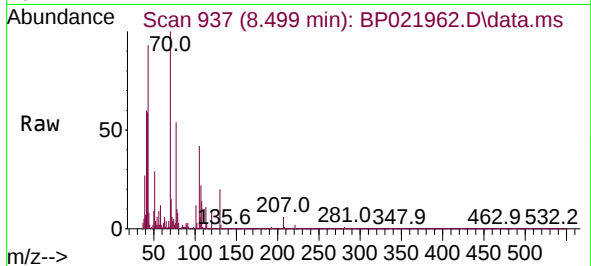
Tgt Ion:117 Resp: 6898
Ion Ratio Lower Upper
117 100
119 108.1 77.0 115.4
201 135.1 105.6 158.4





#19
n-Nitroso-di-n-propylamine
Concen: 3.951 ng
RT: 8.499 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

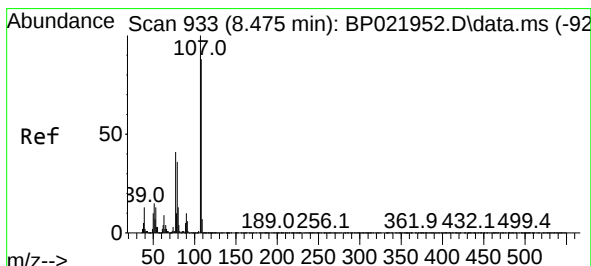
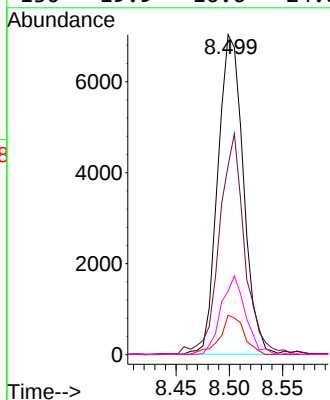
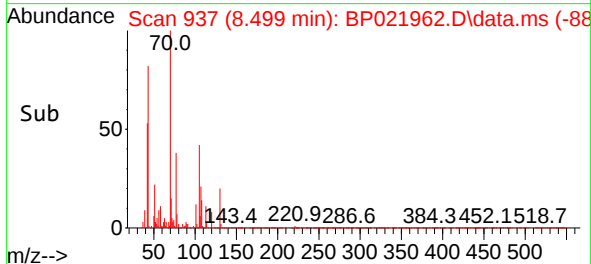
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



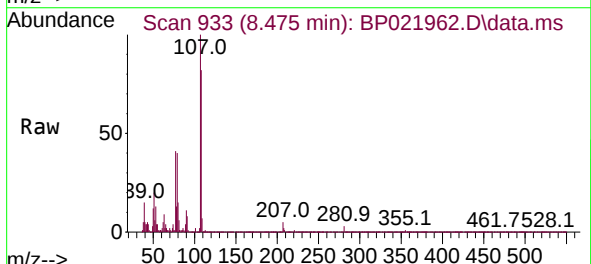
Tgt Ion: 70 Resp: 1169
Ion Ratio Lower Upper
70 100
42 59.1 45.2 67.8
101 12.3 7.8 11.6
130 19.9 16.6 24.8

Manual Integrations
APPROVED

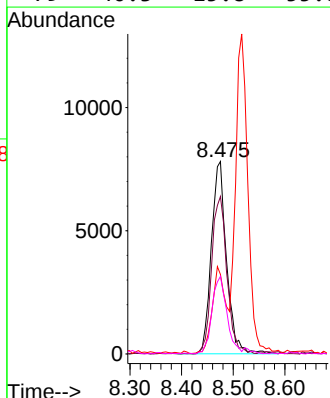
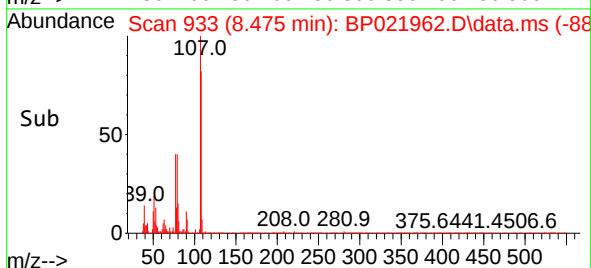
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

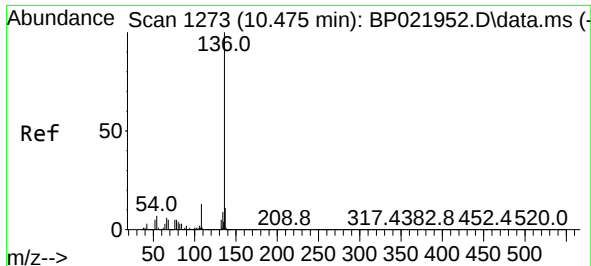


#20
3+4-Methylphenols
Concen: 3.532 ng
RT: 8.475 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08



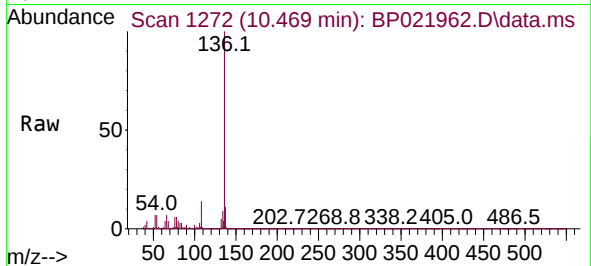
Tgt Ion:107 Resp: 15929
Ion Ratio Lower Upper
107 100
108 81.8 68.3 108.3
77 41.3 20.6 60.6
79 40.3 15.8 55.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

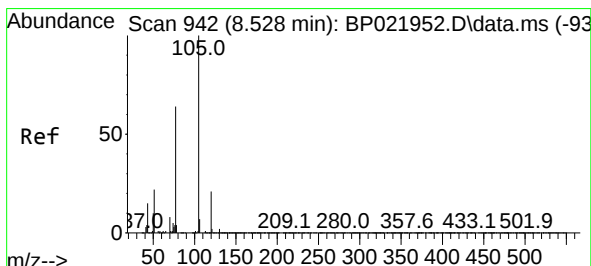
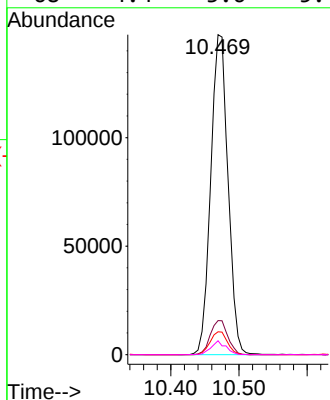
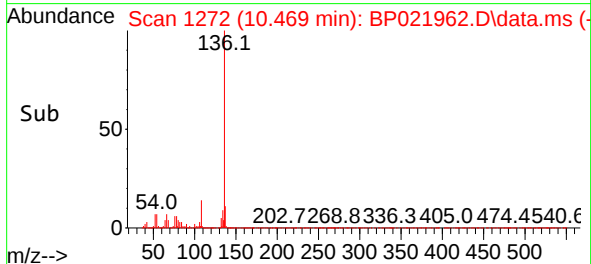
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:	136	Resp:	260134
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	7.2	5.5	8.3
68	4.4	3.6	5.4

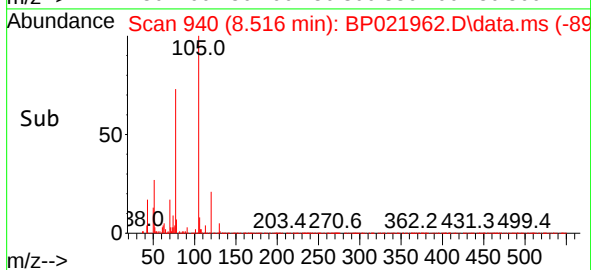
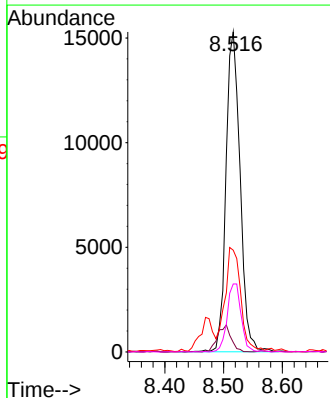
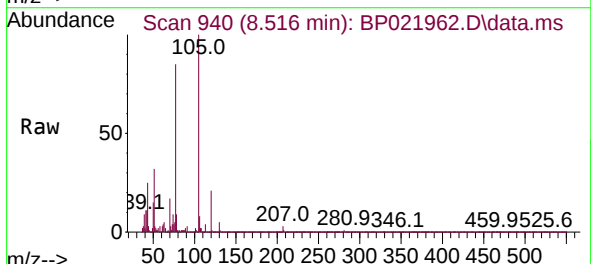
Manual Integrations
APPROVED

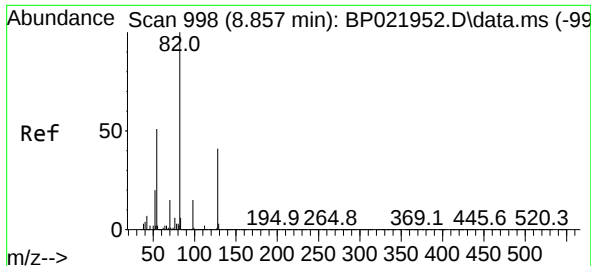
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#22
Acetophenone
Concen: 4.003 ng
RT: 8.516 min Scan# 940
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:	105	Resp:	25402
Ion Ratio	Lower	Upper	
105	100		
71	3.0	1.4	2.0#
51	31.8	22.1	33.1
120	21.2	16.8	25.2





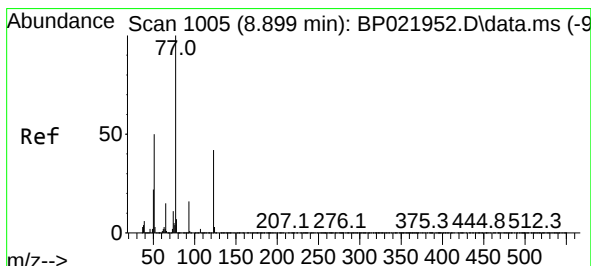
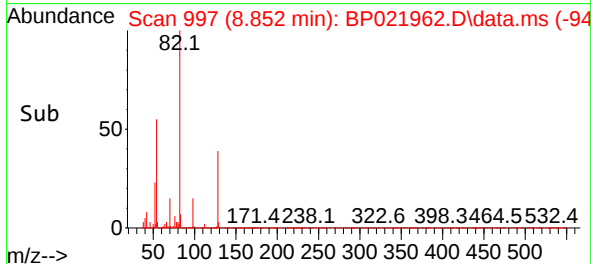
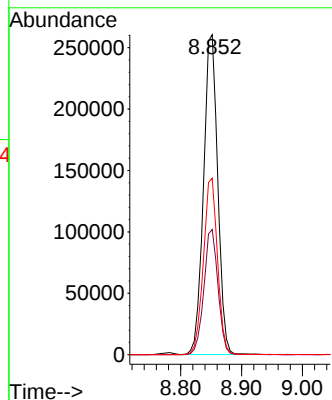
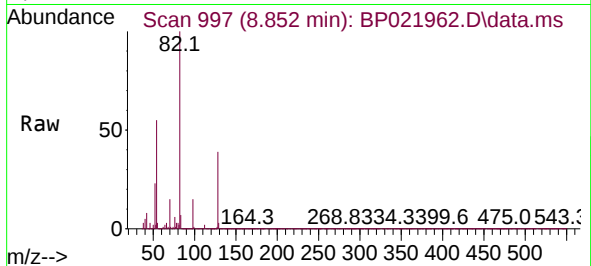
#23
Nitrobenzene-d5
Concen: 86.024 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 82 Resp: 42291
Ion Ratio Lower Upper
82 100
128 39.2 33.1 49.7
54 55.1 40.3 60.5

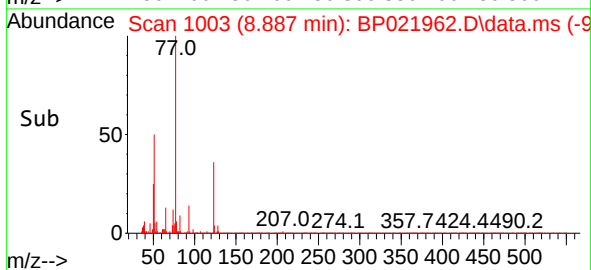
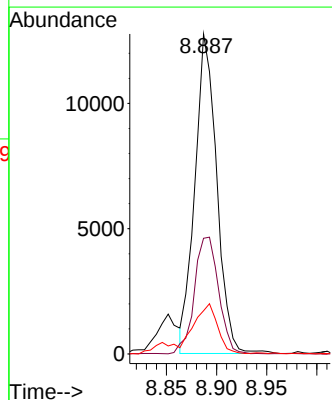
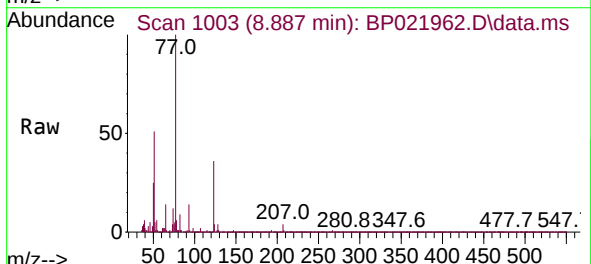
Manual Integrations
APPROVED

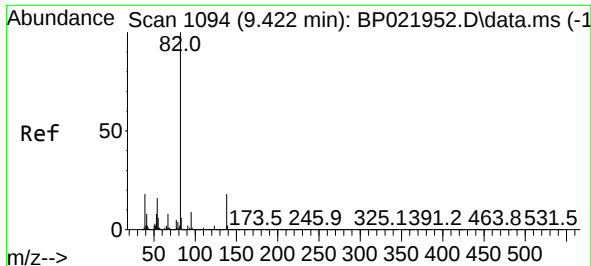
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#24
Nitrobenzene
Concen: 3.889 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion: 77 Resp: 19418
Ion Ratio Lower Upper
77 100
123 36.2 33.9 50.9
65 13.5 12.0 18.0





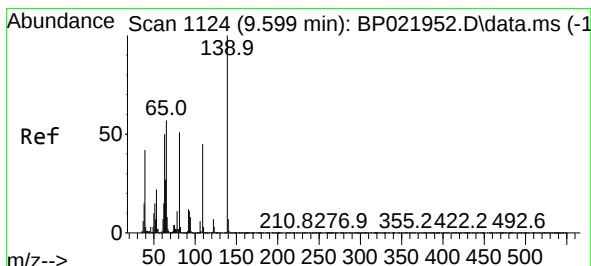
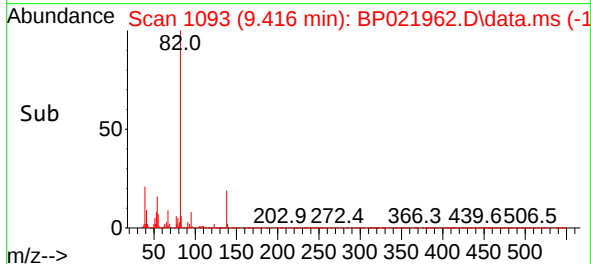
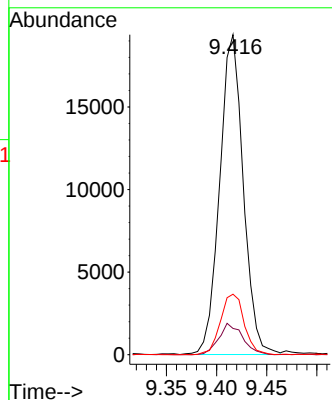
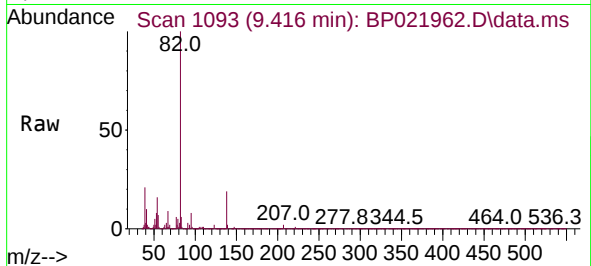
#25
Isophorone
Concen: 3.904 ng
RT: 9.416 min Scan# 1094
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 82 Resp: 31639
Ion Ratio Lower Upper
82 100
95 8.2 7.0 10.6
138 18.9 14.6 21.8

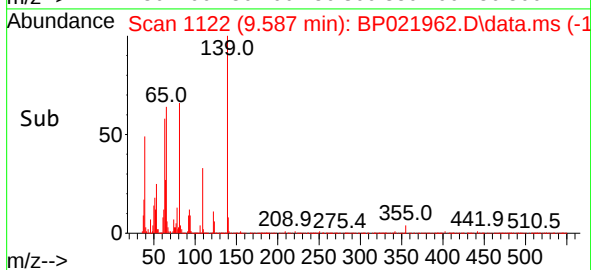
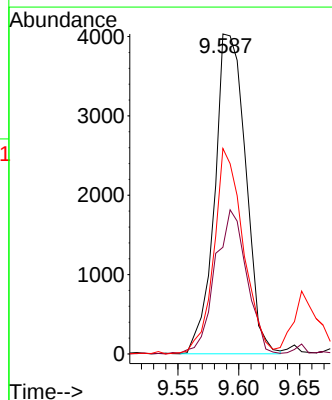
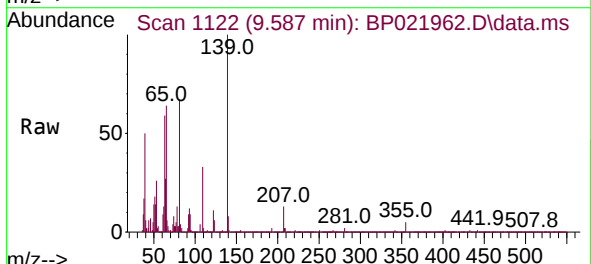
Manual Integrations
APPROVED

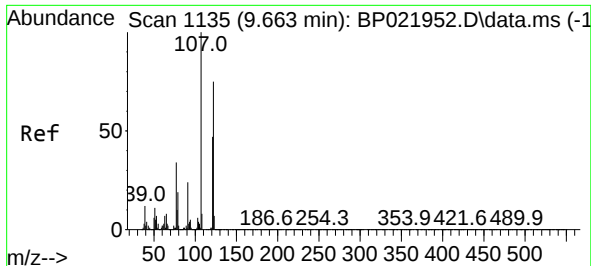
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#26
2-Nitrophenol
Concen: 3.268 ng
RT: 9.587 min Scan# 1122
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

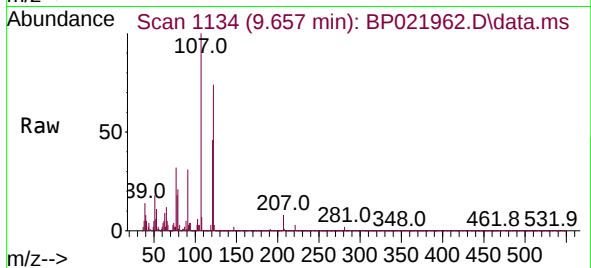
Tgt Ion:139 Resp: 7134
Ion Ratio Lower Upper
139 100
109 33.4 36.0 54.0#
65 64.2 45.7 68.5





#27
2,4-Dimethylphenol
Concen: 2.580 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

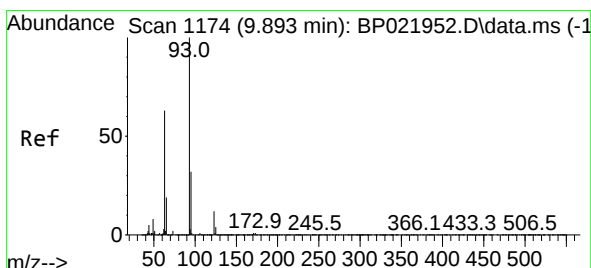
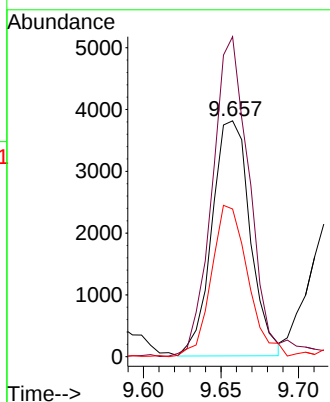
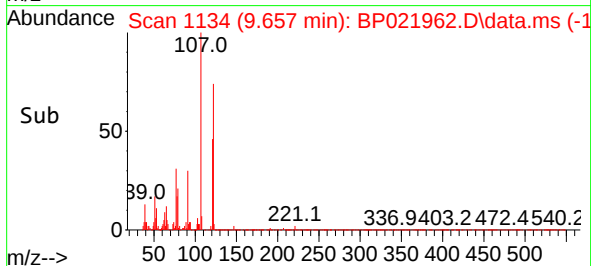
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 122 Resp: 652
Ion Ratio Lower Upper
122 100
107 135.7 106.1 159.1
121 62.6 49.6 74.4

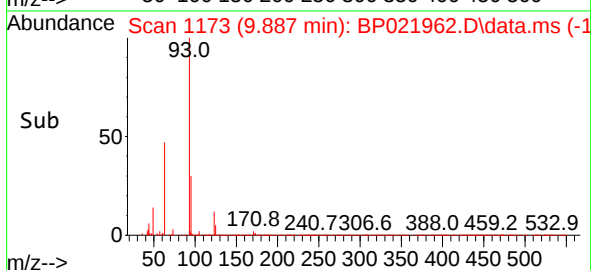
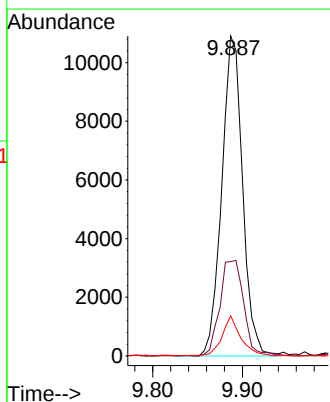
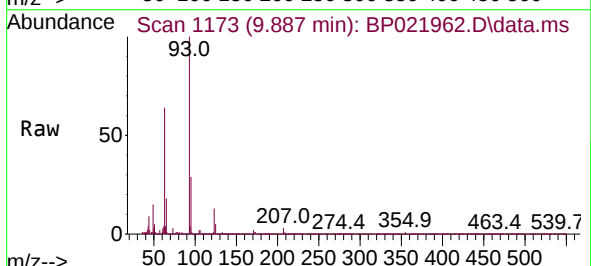
Manual Integrations
APPROVED

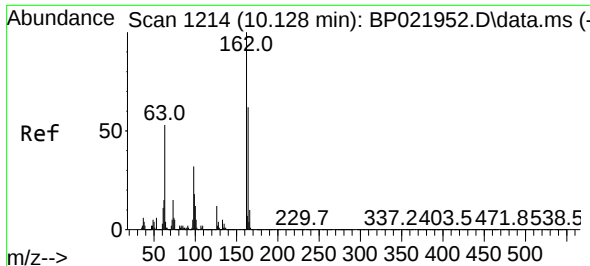
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#28
bis(2-Chloroethoxy)methane
Concen: 3.614 ng
RT: 9.887 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion: 93 Resp: 17563
Ion Ratio Lower Upper
93 100
95 29.5 25.7 38.5
123 12.5 9.4 14.0





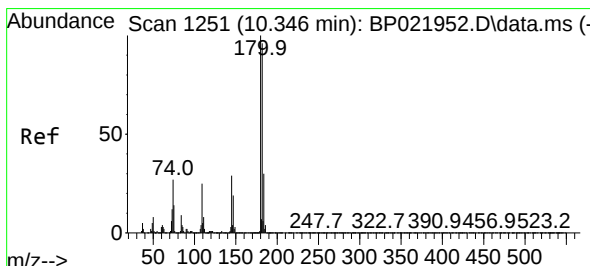
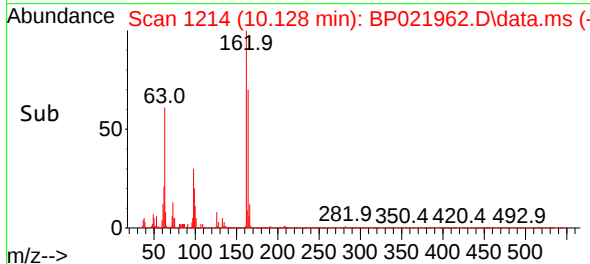
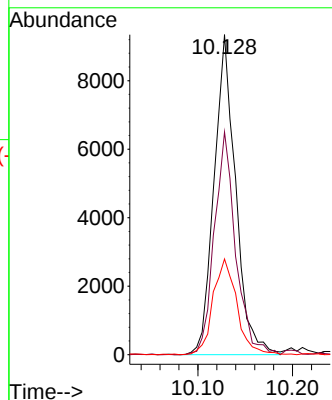
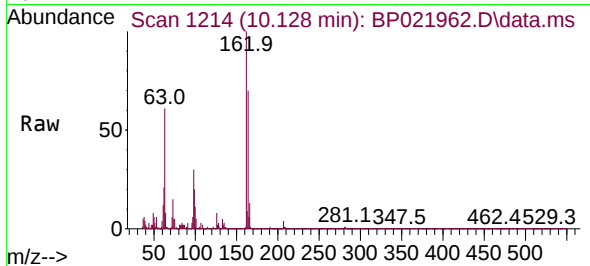
#29
2,4-Dichlorophenol
Concen: 3.452 ng
RT: 10.128 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion	Ratio	Lower	Upper
162	100		
164	69.6	41.7	81.7
98	29.9	12.4	52.4

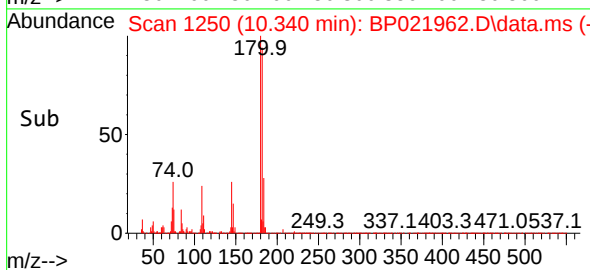
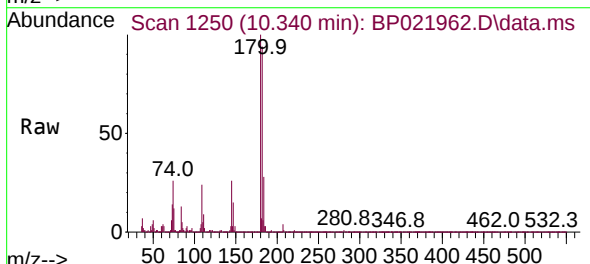
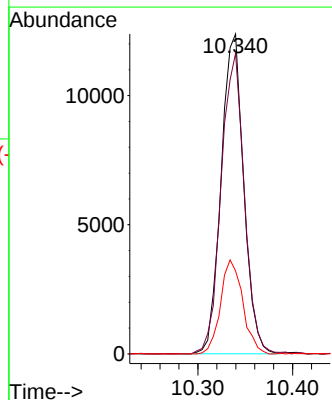
Manual Integrations
APPROVED

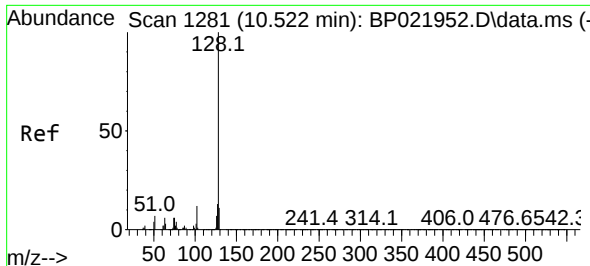
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.834 ng
RT: 10.340 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.0	115.4
145	26.0	23.0	34.6





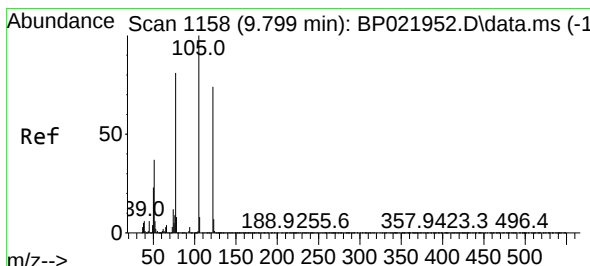
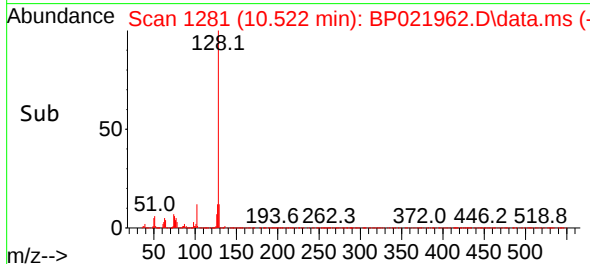
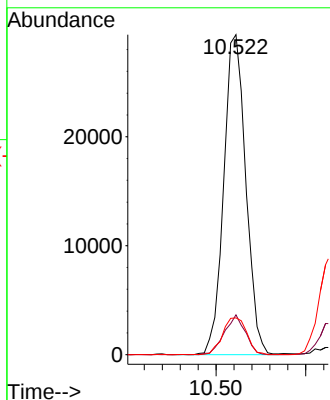
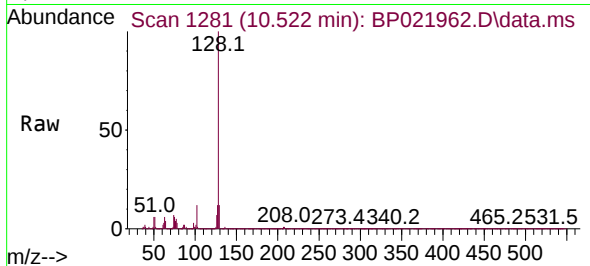
#31
Naphthalene
Concen: 3.869 ng
RT: 10.522 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:128 Resp: 50218
Ion Ratio Lower Upper
128 100
129 12.5 8.6 13.0
127 11.5 10.6 15.8

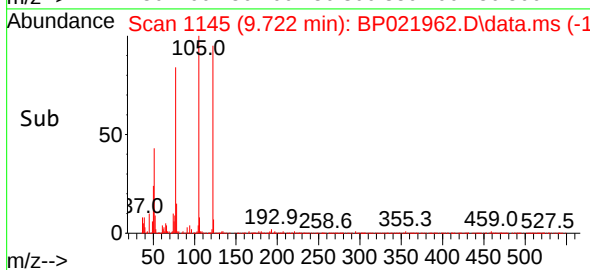
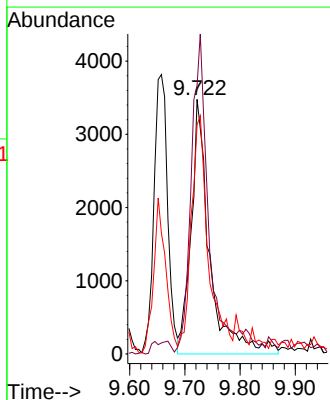
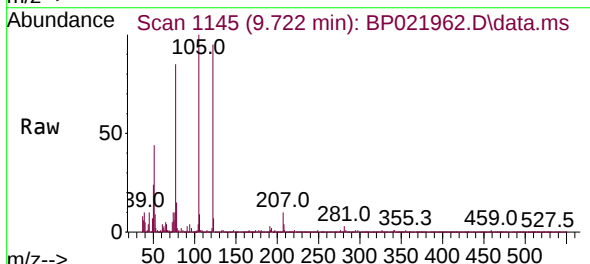
Manual Integrations
APPROVED

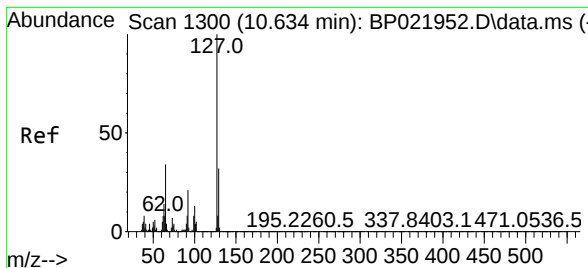
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#32
Benzoic acid
Concen: 2.746 ng m
RT: 9.722 min Scan# 1145
Delta R.T. -0.076 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:122 Resp: 8116
Ion Ratio Lower Upper
122 100
105 105.6 111.3 151.3#
77 90.0 86.7 126.7





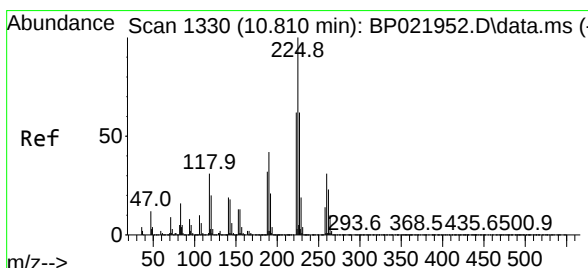
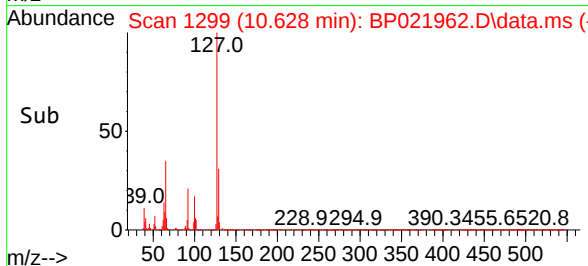
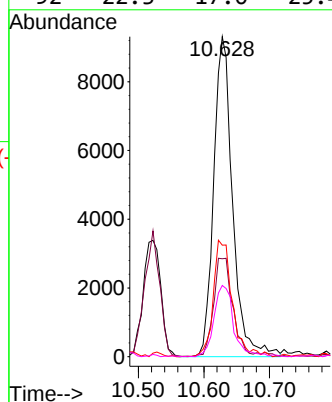
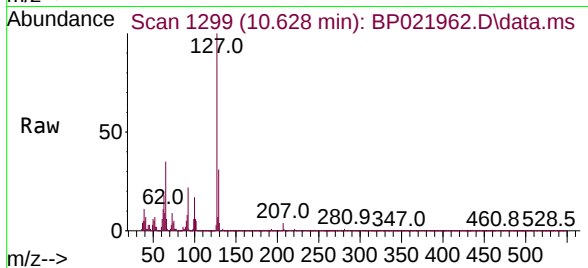
#33
4-Chloroaniline
Concen: 3.973 ng
RT: 10.628 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.4	38.0
65	34.9	27.4	41.2
92	22.3	17.0	25.4

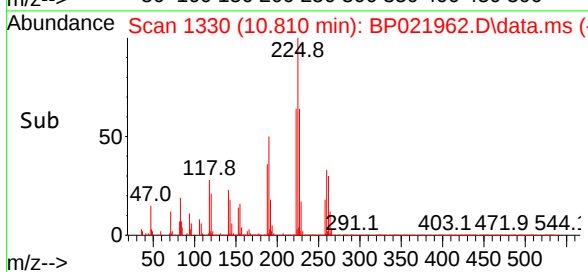
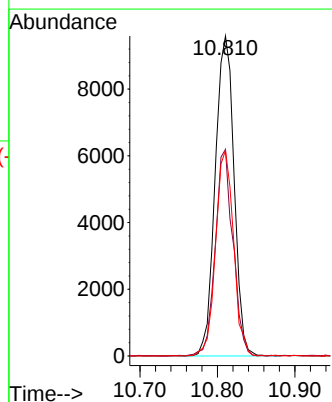
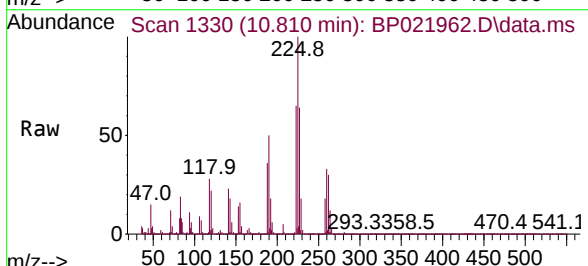
Manual Integrations
APPROVED

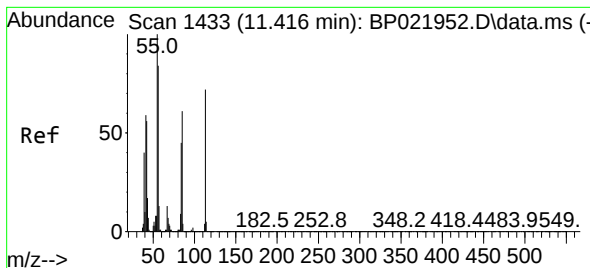
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#34
Hexachlorobutadiene
Concen: 3.884 ng
RT: 10.810 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.0	75.0
227	66.5	49.7	74.5





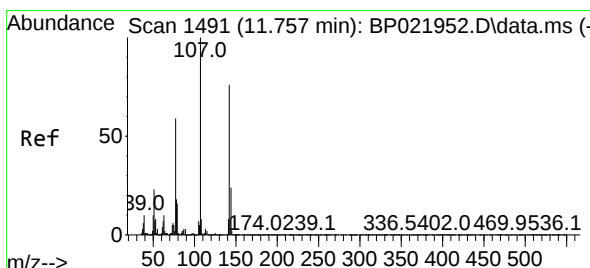
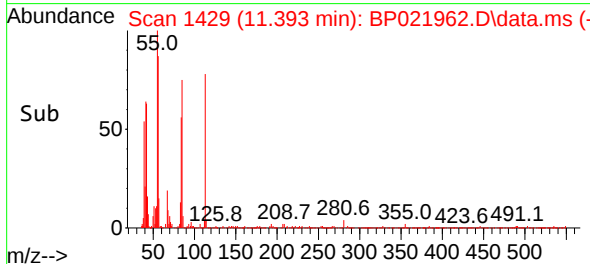
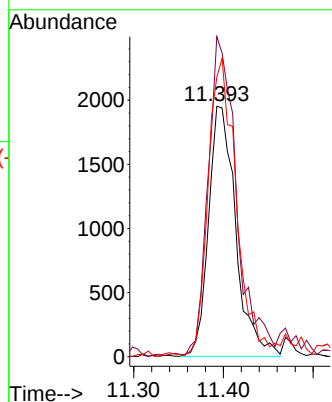
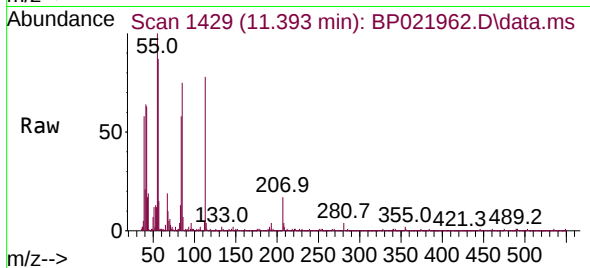
#35
Caprolactam
Concen: 3.212 ng
RT: 11.393 min Scan# 1433
Delta R.T. -0.023 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:113 Resp: 410
Ion Ratio Lower Upper
113 100
55 127.8 119.4 159.4
56 111.7 97.1 137.1

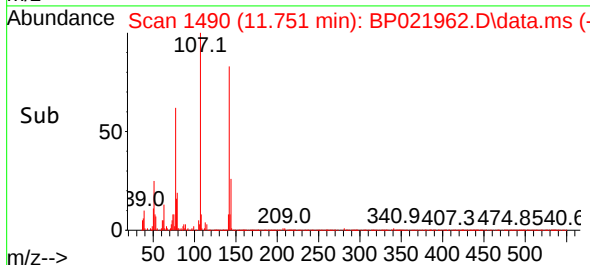
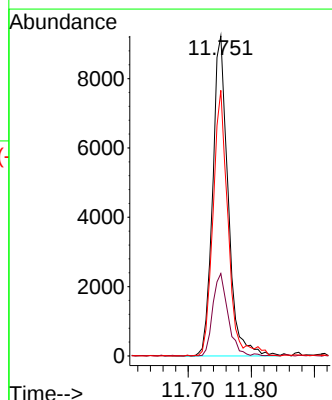
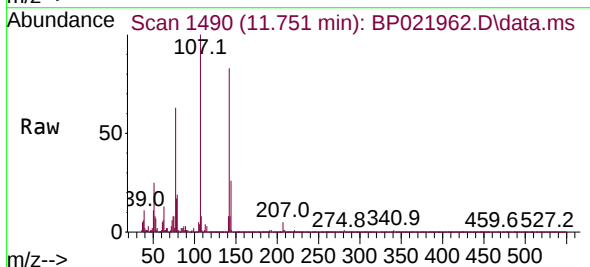
Manual Integrations
APPROVED

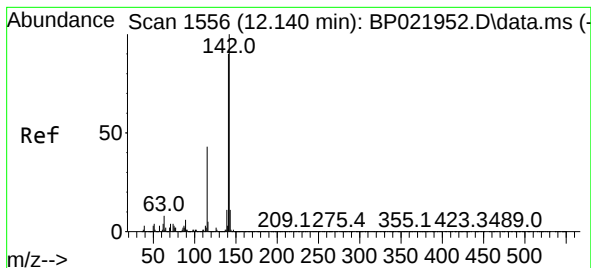
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#36
4-Chloro-3-methylphenol
Concen: 3.393 ng
RT: 11.751 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:107 Resp: 15619
Ion Ratio Lower Upper
107 100
144 25.7 19.0 28.4
142 83.0 60.4 90.6





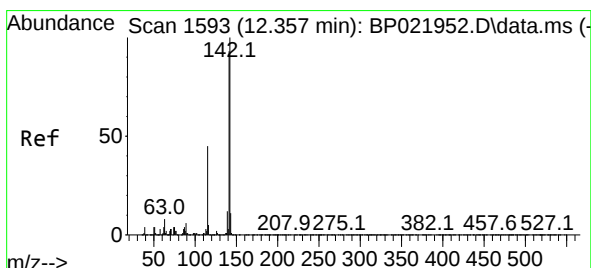
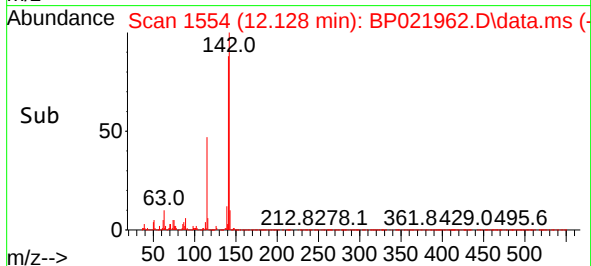
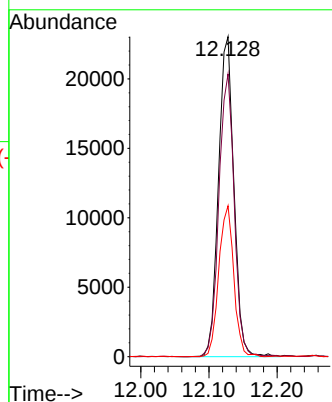
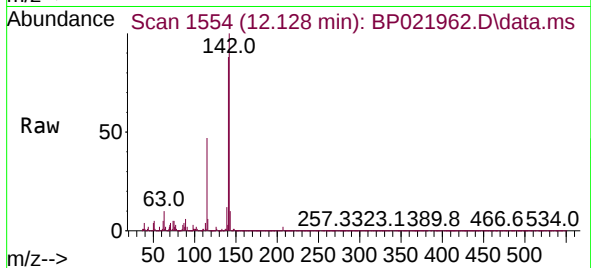
#37
2-Methylnaphthalene
Concen: 3.812 ng
RT: 12.128 min Scan# 1554
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:142 Resp: 36204
Ion Ratio Lower Upper
142 100
141 88.3 71.7 107.5
115 47.2 34.6 51.8

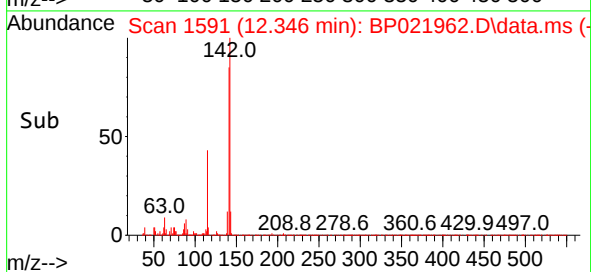
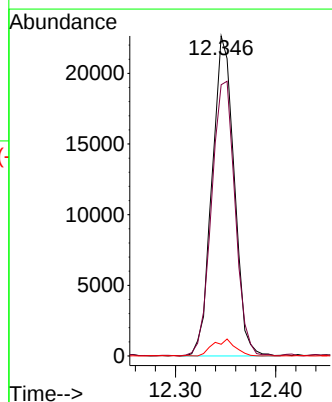
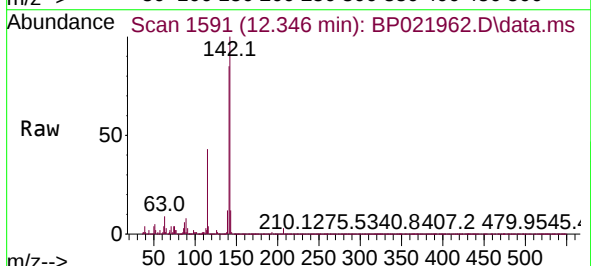
Manual Integrations
APPROVED

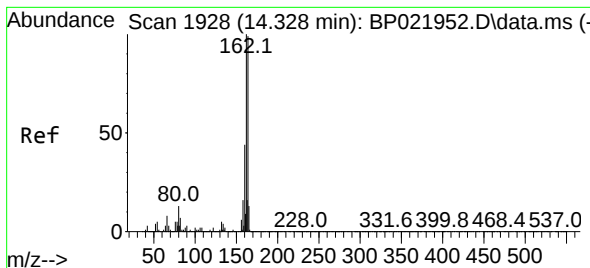
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#38
1-Methylnaphthalene
Concen: 3.702 ng
RT: 12.346 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:142 Resp: 34709
Ion Ratio Lower Upper
142 100
141 84.8 74.1 111.1
116 3.6 3.8 5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.322 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

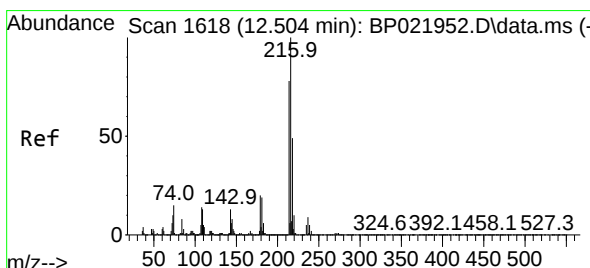
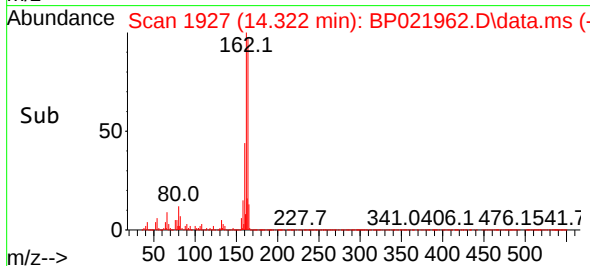
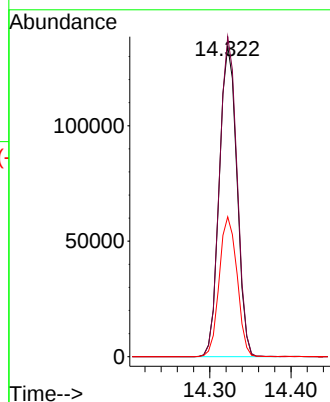
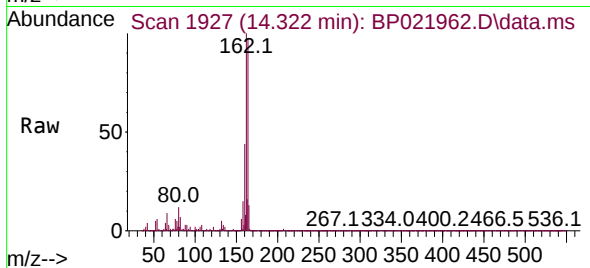
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:164	Resp: 20303
Ion Ratio	Lower Upper
164	100
162	103.0 81.2 121.8
160	45.0 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.906 ng

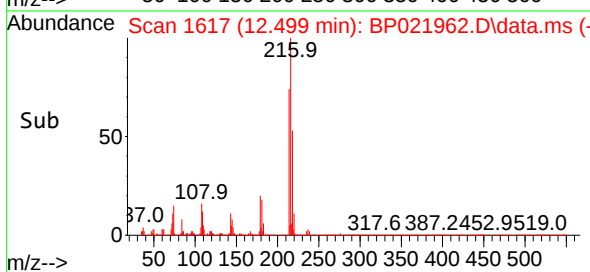
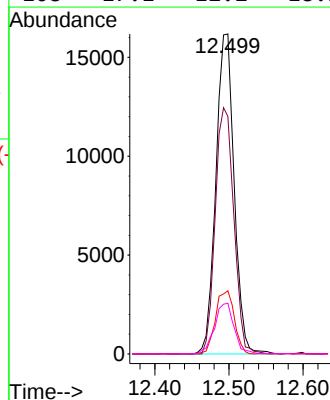
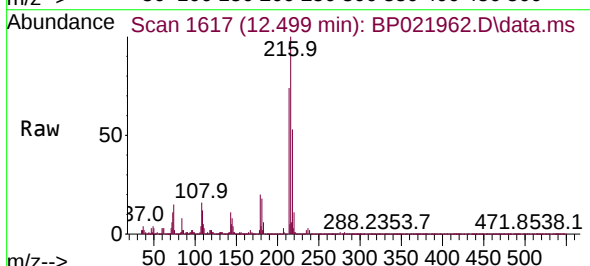
RT: 12.499 min Scan# 1617

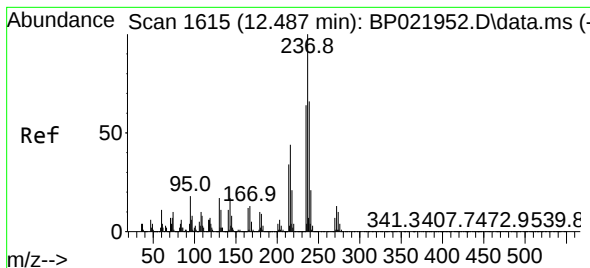
Delta R.T. -0.006 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:216	Resp: 27746
Ion Ratio	Lower Upper
216	100
214	78.0 62.8 94.2
179	20.4 16.4 24.6
108	17.1 12.2 18.2





#41

Hexachlorocyclopentadiene

Concen: 2.460 ng

RT: 12.475 min Scan# 1615

Delta R.T. -0.012 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

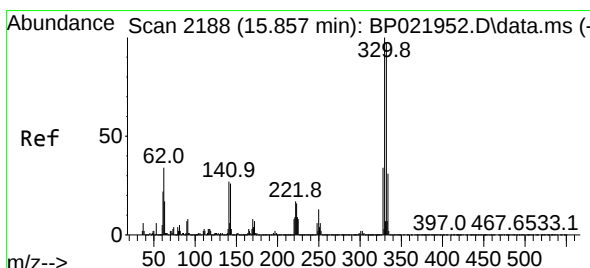
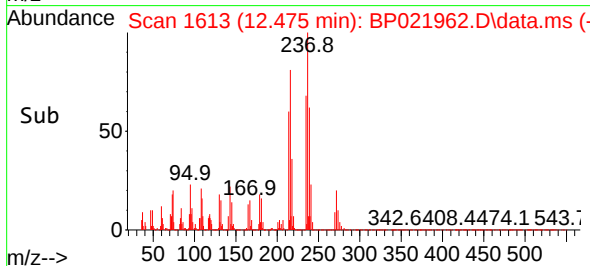
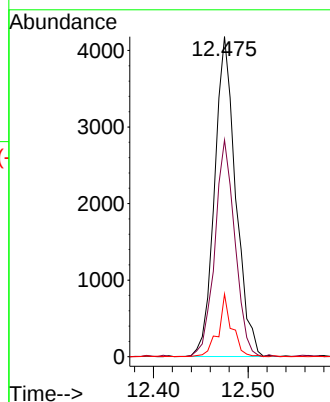
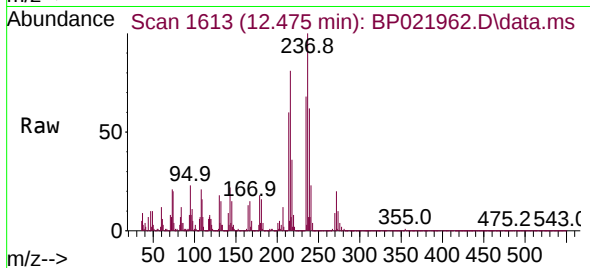
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	237	Resp:	649
Ion Ratio	Lower	Upper	
237	100		
235	67.7	44.1	84.1
272	19.5	0.0	33.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#42

2,4,6-Tribromophenol

Concen: 144.026 ng

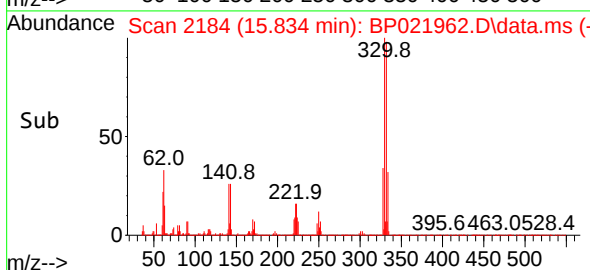
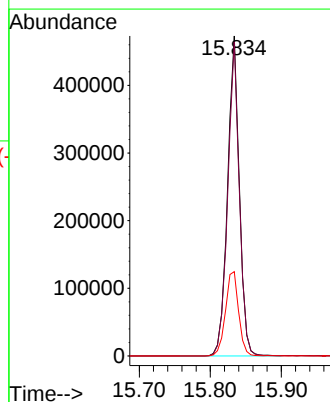
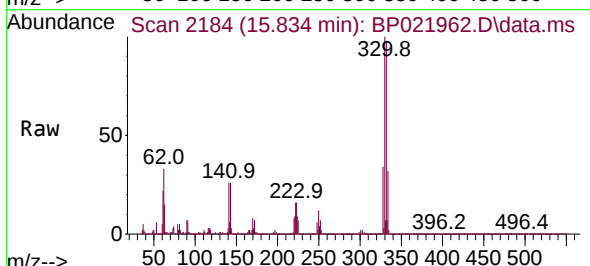
RT: 15.834 min Scan# 2184

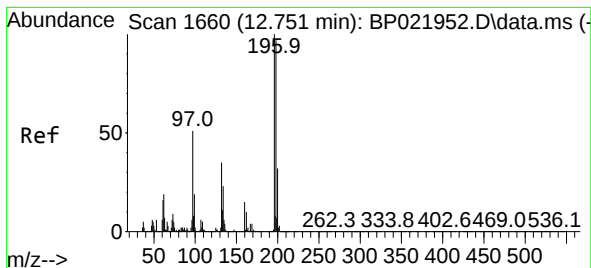
Delta R.T. -0.023 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:	330	Resp:	542111
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.5	116.3
141	29.5	23.4	35.0





#43

2,4,6-Trichlorophenol

Concen: 3.485 ng

RT: 12.734 min Scan# 1657

Delta R.T. -0.018 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

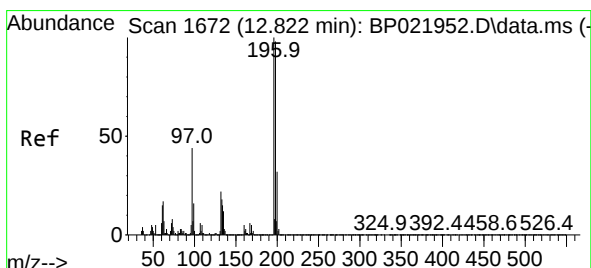
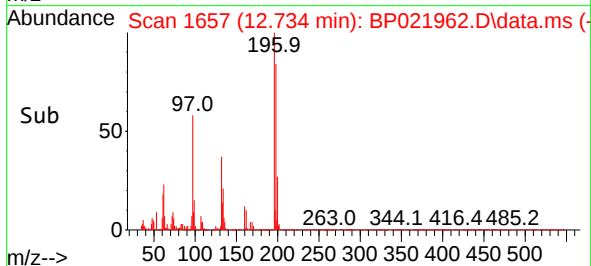
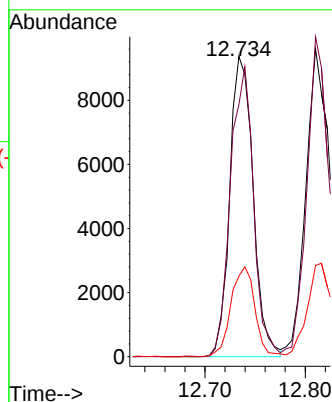
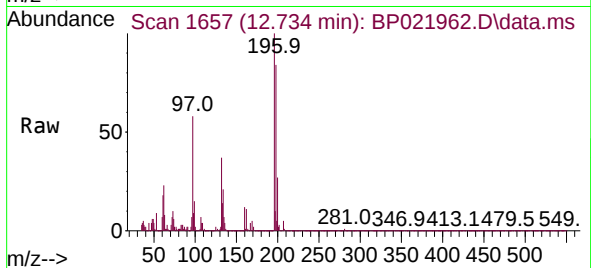
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:196	Resp:	15194
Ion Ratio	Lower	Upper
196	100	
198	83.9	77.6 116.4
200	26.8	25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#44

2,4,5-Trichlorophenol

Concen: 3.479 ng

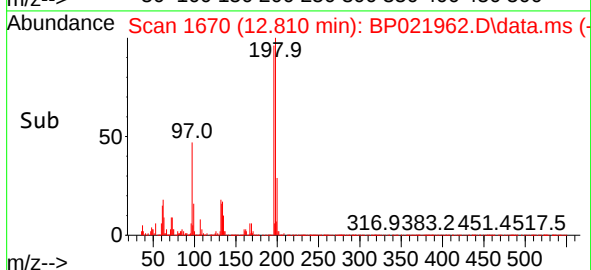
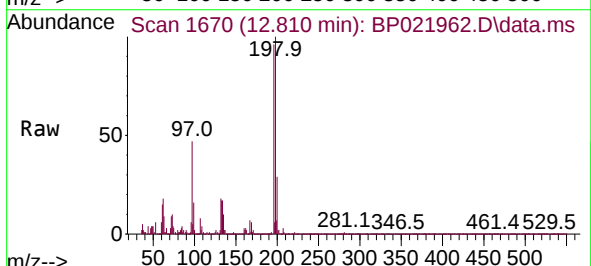
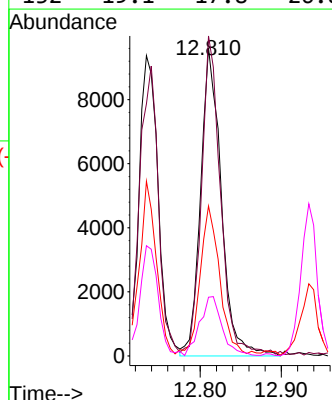
RT: 12.810 min Scan# 1670

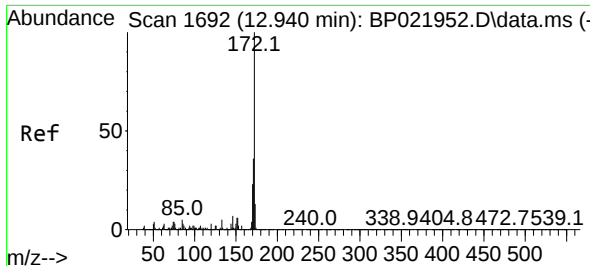
Delta R.T. -0.012 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:196	Resp:	17014
Ion Ratio	Lower	Upper
196	100	
198	103.9	78.2 117.4
97	48.7	35.0 52.4
132	19.1	17.8 26.8





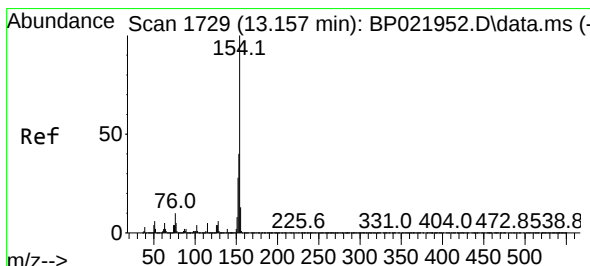
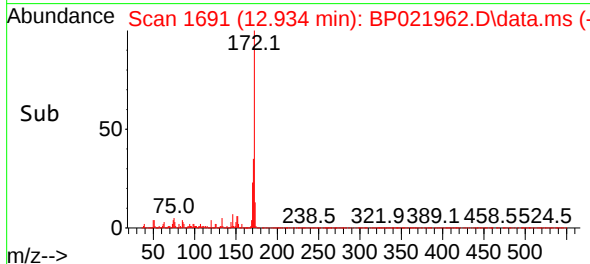
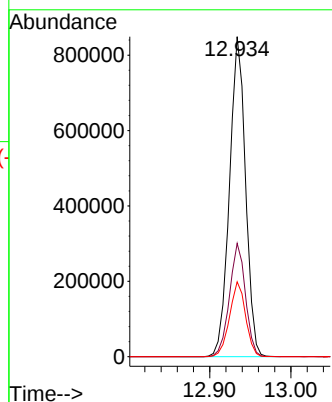
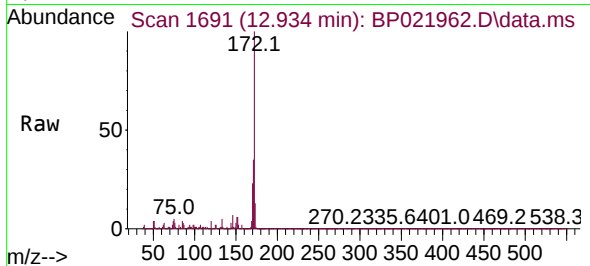
#45
2-Fluorobiphenyl
Concen: 83.796 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:172 Resp: 116548
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.4 18.8 28.2

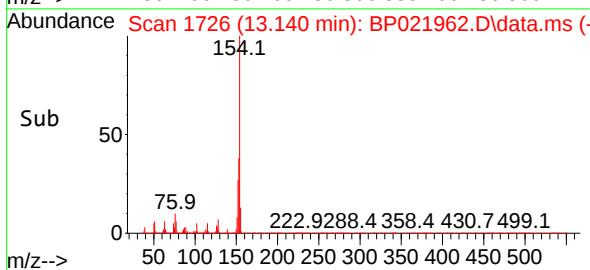
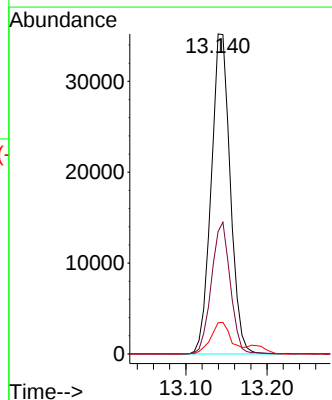
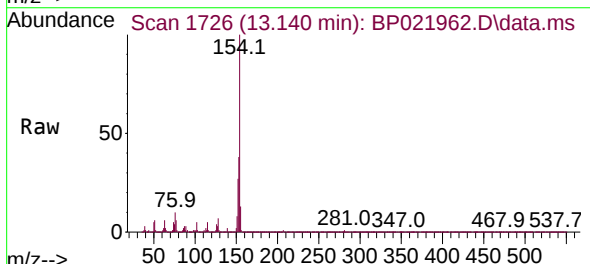
Manual Integrations
APPROVED

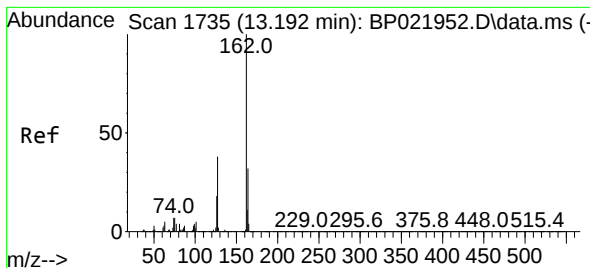
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#46
1,1'-Biphenyl
Concen: 4.149 ng
RT: 13.140 min Scan# 1726
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:154 Resp: 57443
Ion Ratio Lower Upper
154 100
153 38.3 20.2 60.2
76 9.8 0.0 29.9





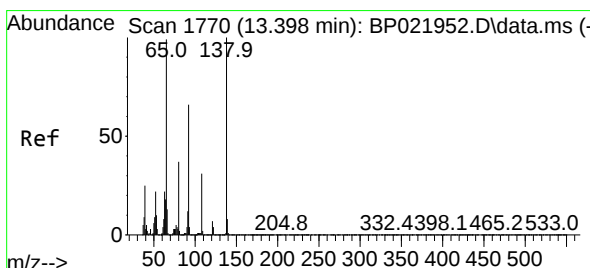
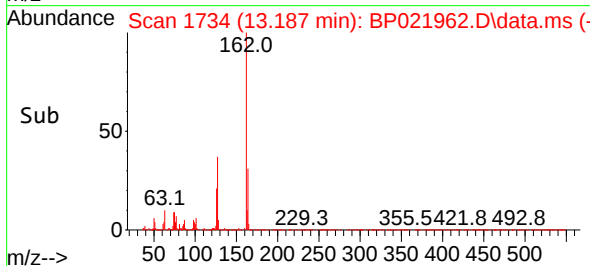
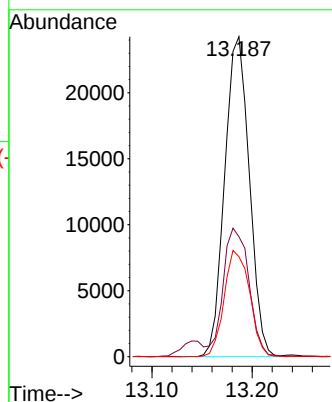
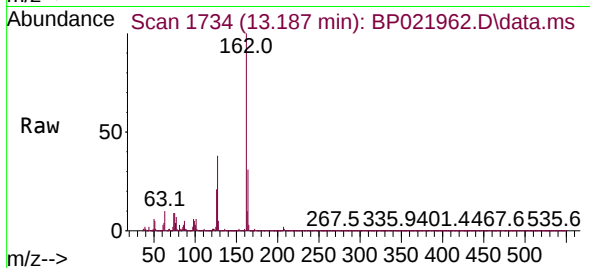
#47
2-Chloronaphthalene
Concen: 3.700 ng
RT: 13.187 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:162 Resp: 41420
Ion Ratio Lower Upper
162 100
127 37.5 31.7 47.5
164 31.3 25.9 38.9

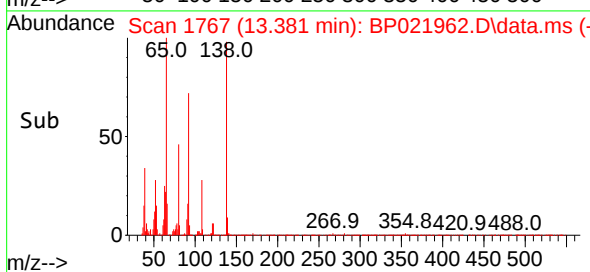
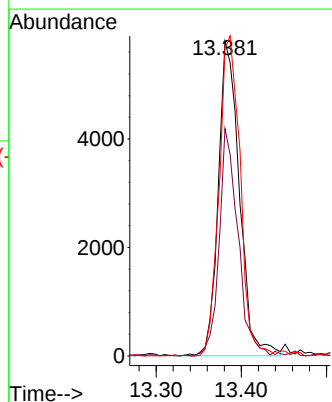
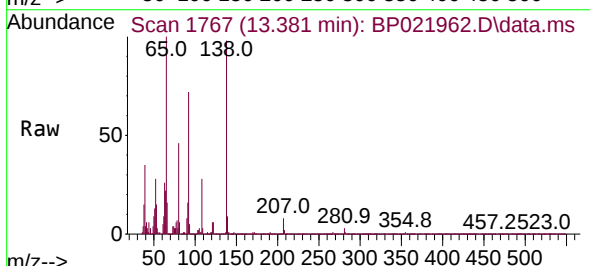
Manual Integrations
APPROVED

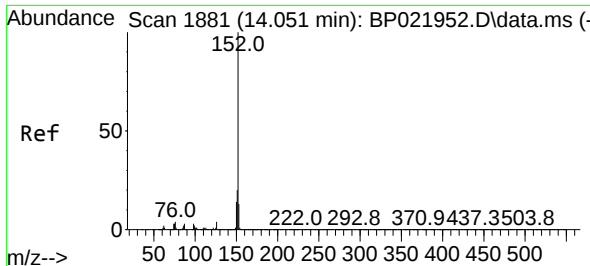
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#48
2-Nitroaniline
Concen: 3.278 ng
RT: 13.381 min Scan# 1767
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion: 65 Resp: 10019
Ion Ratio Lower Upper
65 100
92 72.3 53.2 79.8
138 97.8 81.1 121.7





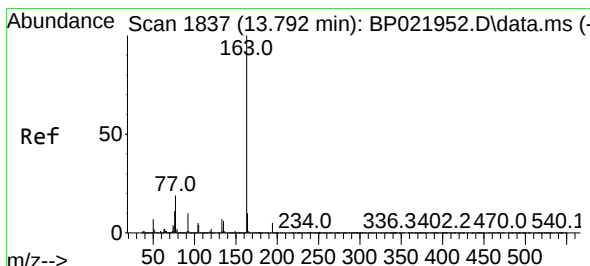
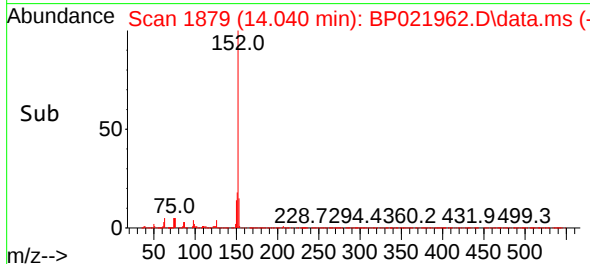
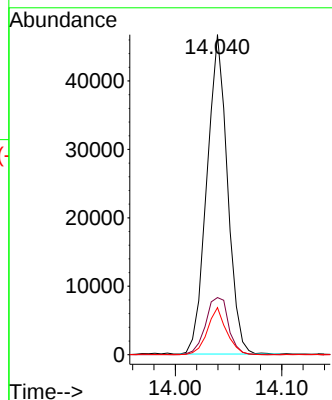
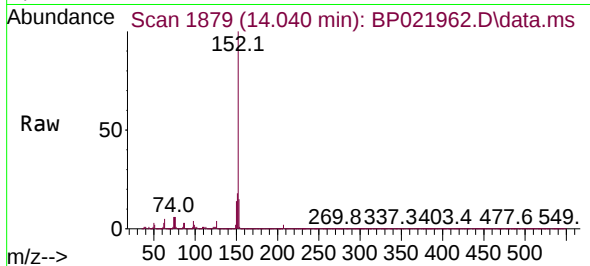
#49
Acenaphthylene
Concen: 3.963 ng
RT: 14.040 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:152 Resp: 6260
Ion Ratio Lower Upper
152 100
151 17.9 16.0 24.0
153 14.7 10.8 16.2

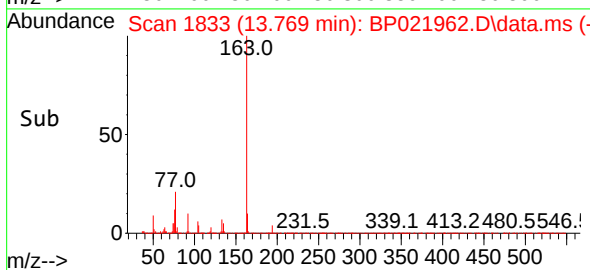
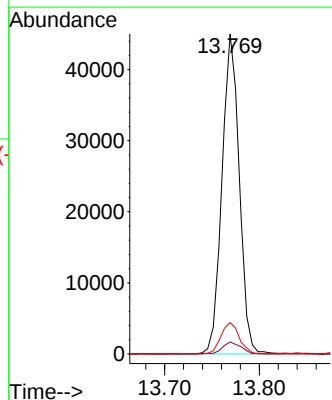
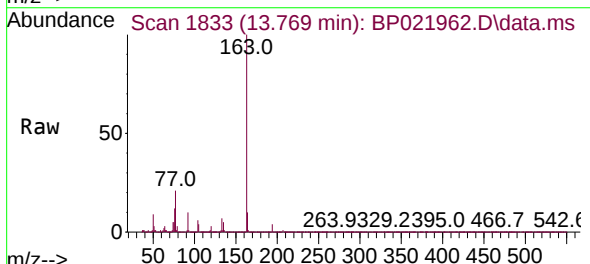
Manual Integrations
APPROVED

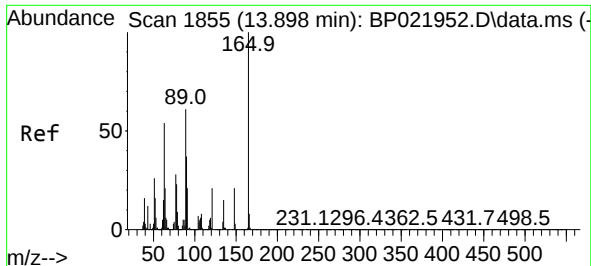
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#50
Dimethylphthalate
Concen: 3.878 ng
RT: 13.769 min Scan# 1833
Delta R.T. -0.023 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:163 Resp: 57108
Ion Ratio Lower Upper
163 100
194 3.7 3.6 5.4
164 9.8 8.0 12.0





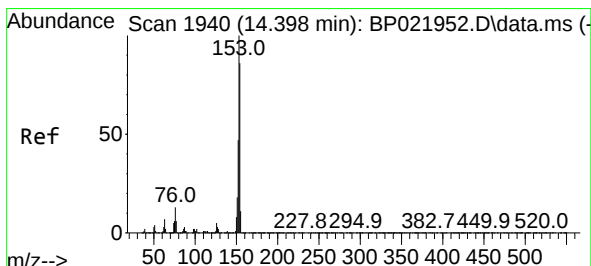
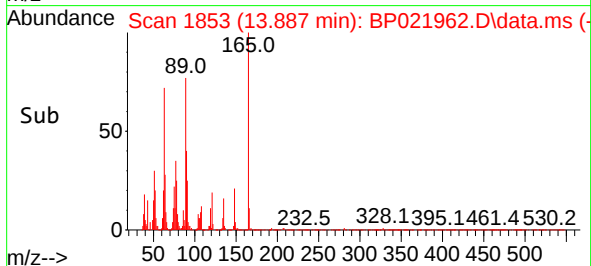
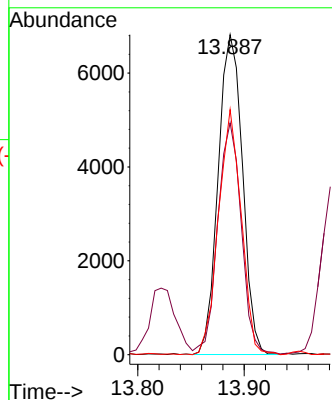
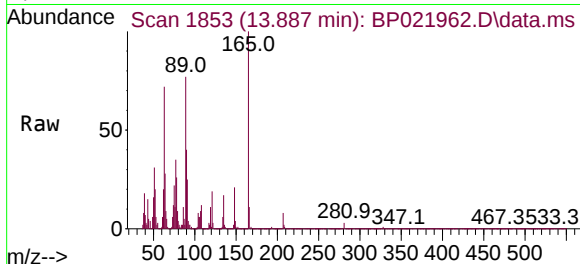
#51
2,6-Dinitrotoluene
Concen: 3.288 ng
RT: 13.887 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:165 Resp: 10788
Ion Ratio Lower Upper
165 100
63 72.5 46.4 69.6
89 76.6 48.5 72.7

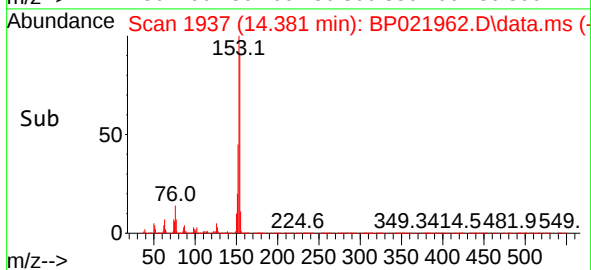
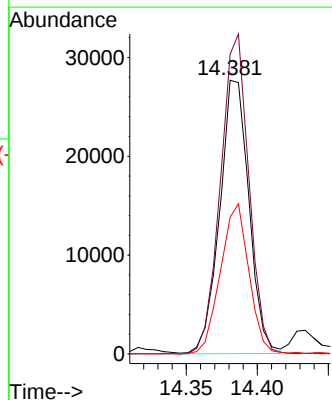
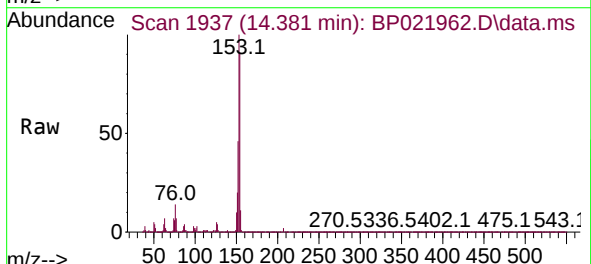
Manual Integrations
APPROVED

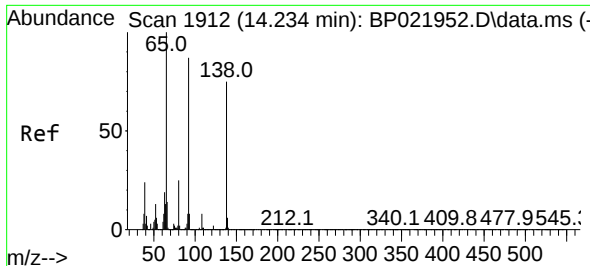
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#52
Acenaphthene
Concen: 3.858 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:154 Resp: 39660
Ion Ratio Lower Upper
154 100
153 109.4 92.7 139.1
152 49.9 43.6 65.4





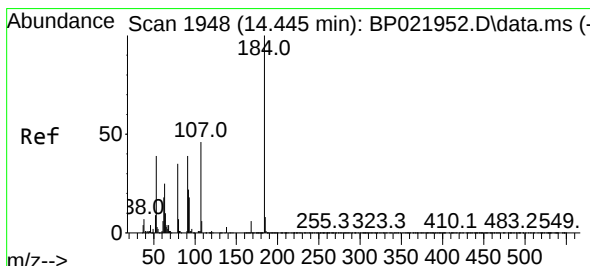
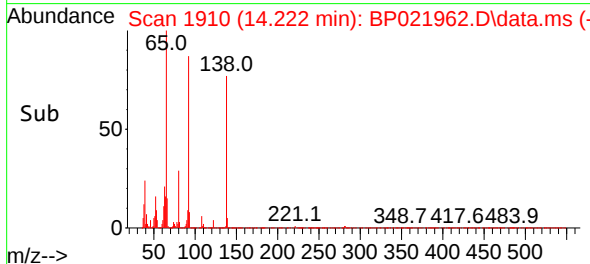
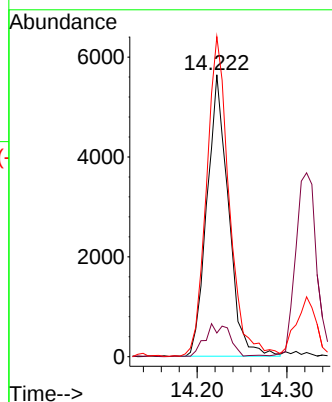
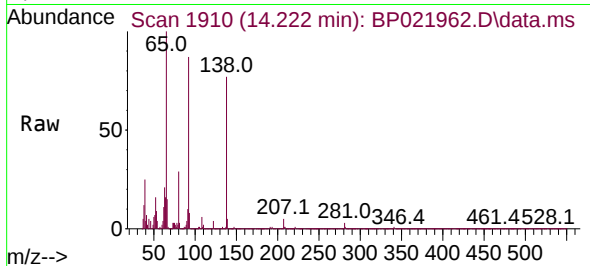
#53
3-Nitroaniline
Concen: 3.204 ng
RT: 14.222 min Scan# 1912
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:138 Resp: 9369
Ion Ratio Lower Upper
138 100
108 8.4 9.0 13.4
92 113.5 92.8 139.2

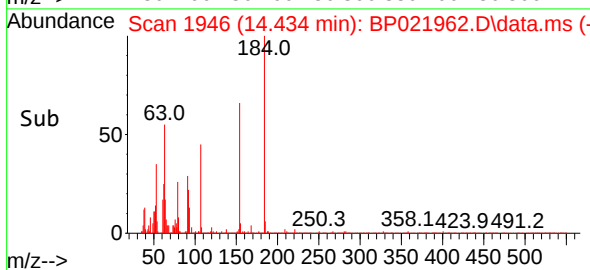
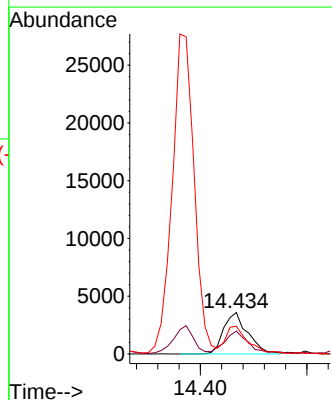
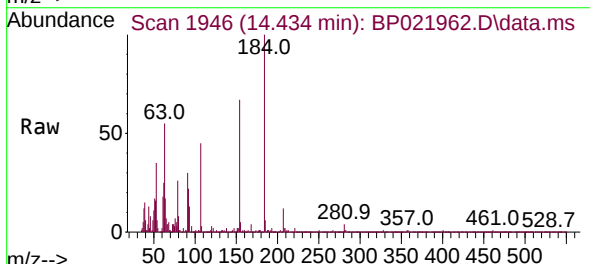
Manual Integrations
APPROVED

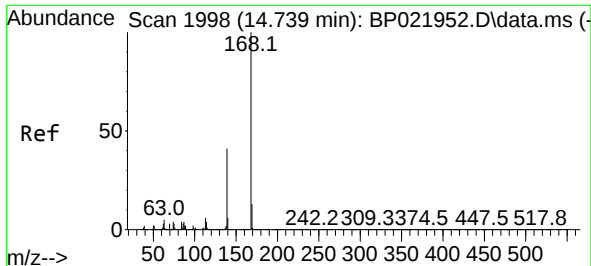
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#54
2,4-Dinitrophenol
Concen: 2.926 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:184 Resp: 5626
Ion Ratio Lower Upper
184 100
63 55.2 49.0 73.6
154 66.7 58.1 87.1





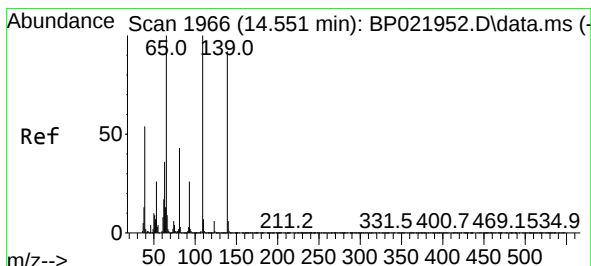
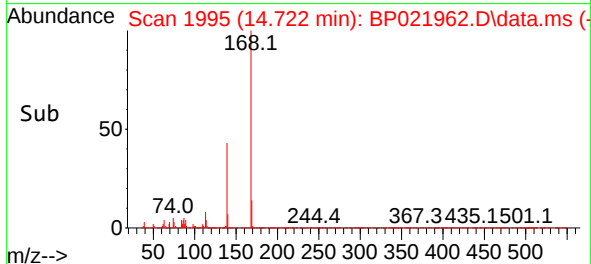
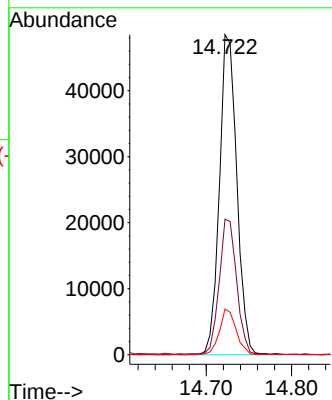
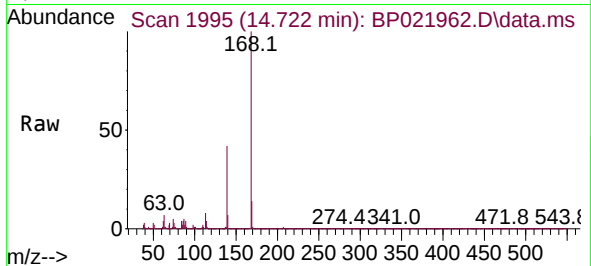
#55
Dibenzenofuran
Concen: 3.976 ng
RT: 14.722 min Scan# 1995
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:168 Resp: 6870
Ion Ratio Lower Upper
168 100
139 42.4 33.0 49.4
169 14.2 10.7 16.1

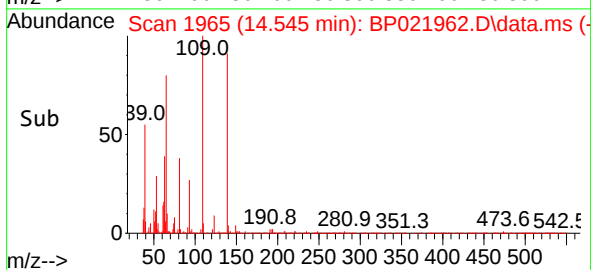
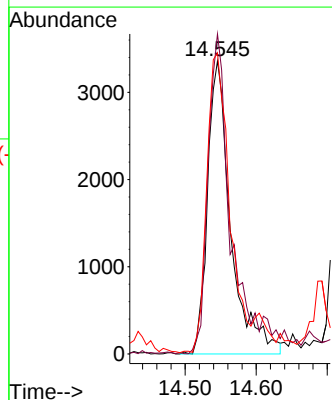
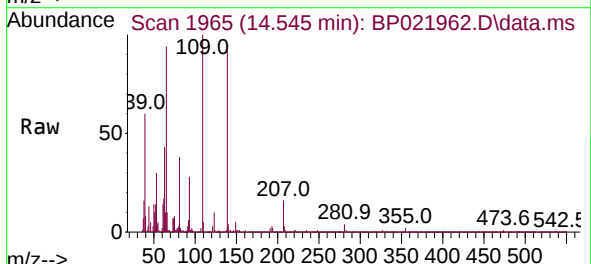
Manual Integrations
APPROVED

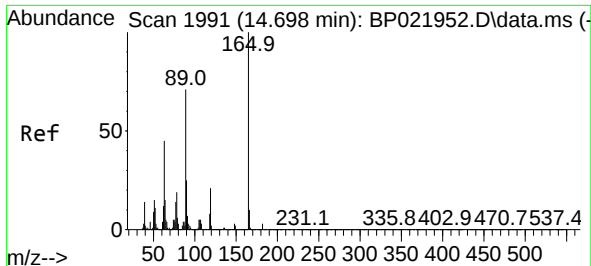
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#56
4-Nitrophenol
Concen: 3.003 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:139 Resp: 7643
Ion Ratio Lower Upper
139 100
109 109.2 88.6 128.6
65 102.8 88.7 128.7





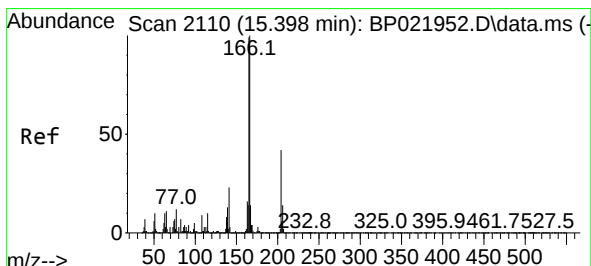
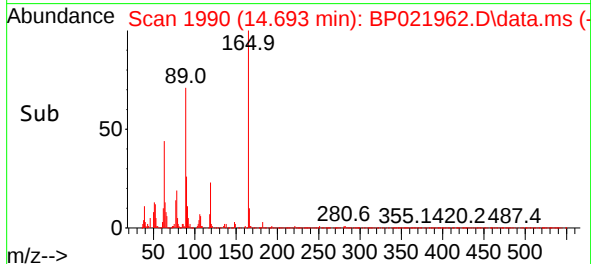
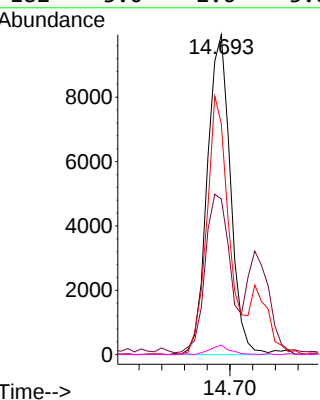
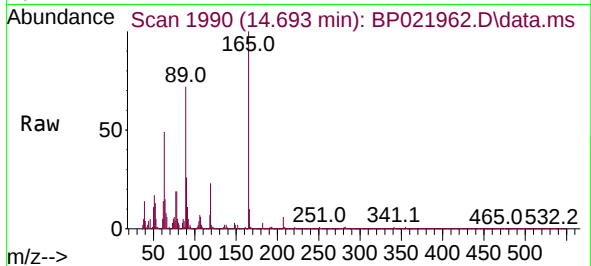
#57
2,4-Dinitrotoluene
Concen: 3.030 ng
RT: 14.693 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	165	Resp:	14054
Ion Ratio	Lower	Upper	
165	100		
63	48.7	36.3	54.5
89	72.1	57.2	85.8
182	3.0	2.6	3.8

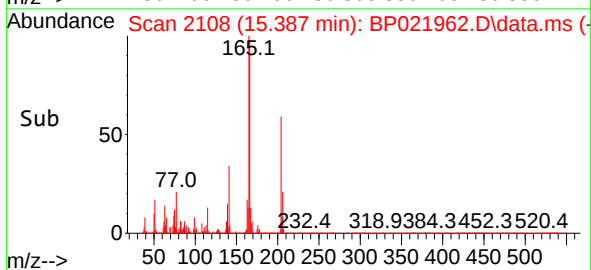
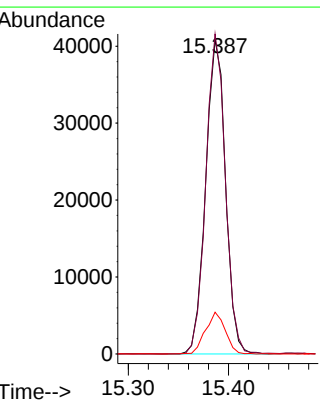
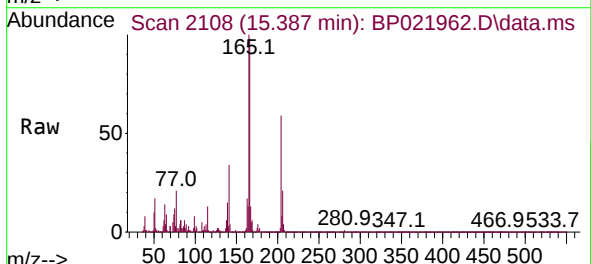
Manual Integrations
APPROVED

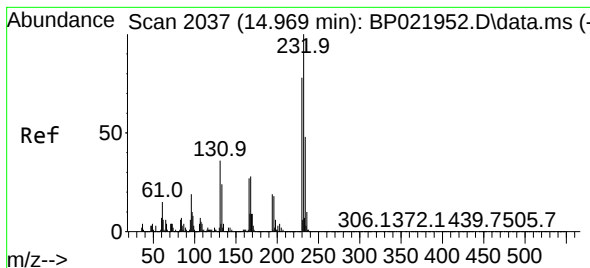
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#58
Fluorene
Concen: 3.884 ng
RT: 15.387 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:	166	Resp:	56041
Ion Ratio	Lower	Upper	
166	100		
165	101.8	79.4	119.2
167	13.3	10.9	16.3





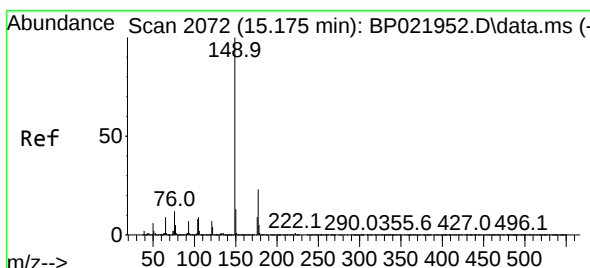
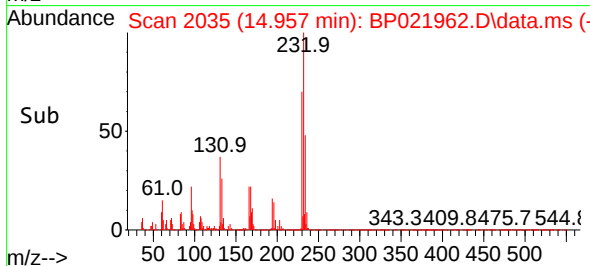
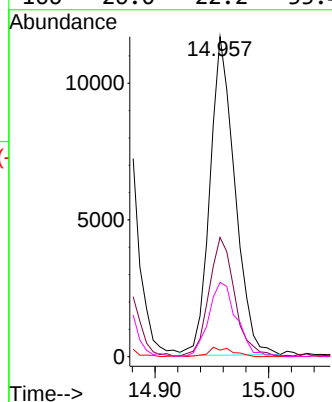
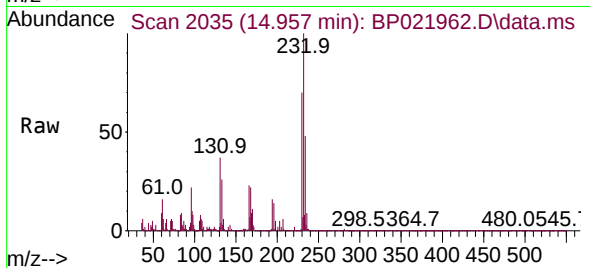
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.764 ng
RT: 14.957 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	232	Resp:	1776
Ion Ratio	Lower	Upper	
232	100		
131	38.1	30.2	45.4
130	3.0	1.9	2.9
166	26.0	22.2	33.4

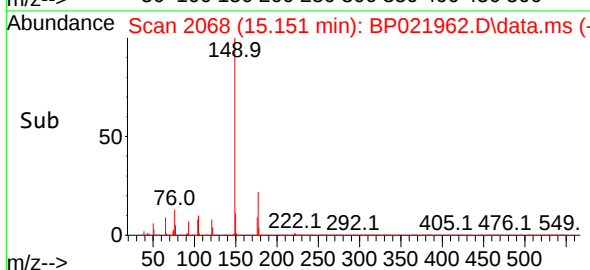
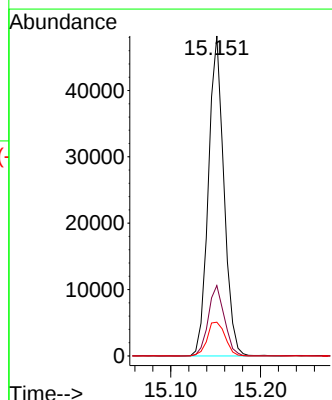
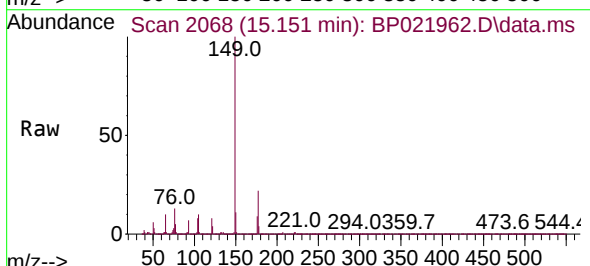
Manual Integrations
APPROVED

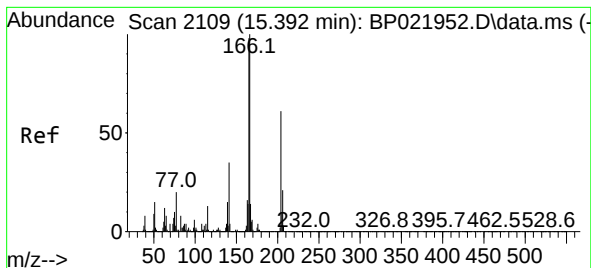
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#60
Diethylphthalate
Concen: 3.866 ng
RT: 15.151 min Scan# 2068
Delta R.T. -0.023 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:	149	Resp:	57852
Ion Ratio	Lower	Upper	
149	100		
177	22.0	18.2	27.4
150	10.6	10.1	15.1





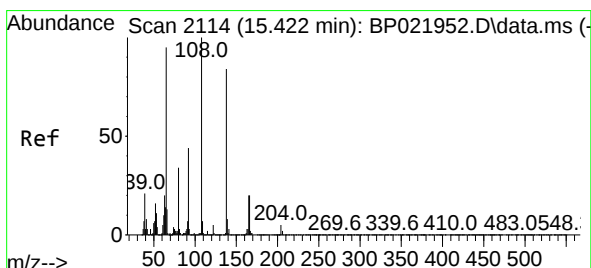
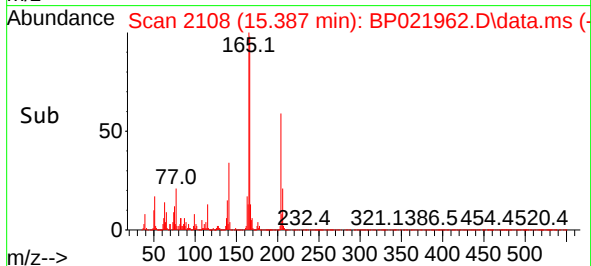
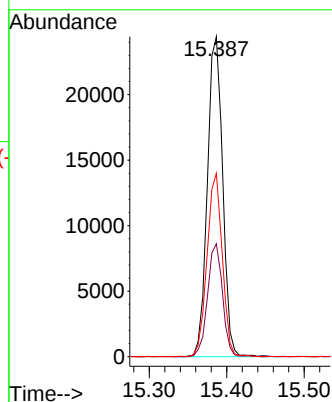
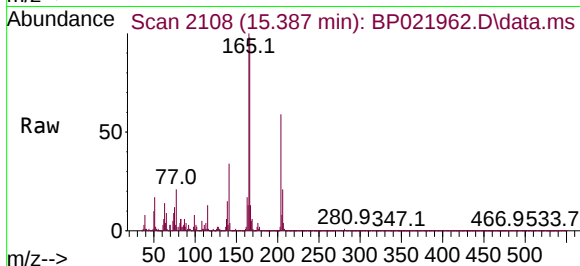
#61
4-Chlorophenyl-phenylether
Concen: 3.974 ng
RT: 15.387 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 204 Resp: 33384
Ion Ratio Lower Upper
204 100
206 35.3 27.3 40.9
141 57.3 45.7 68.5

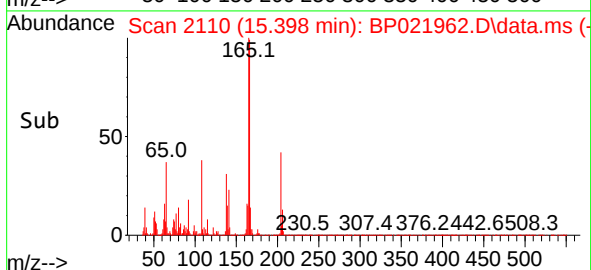
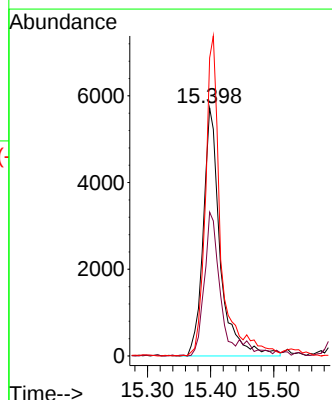
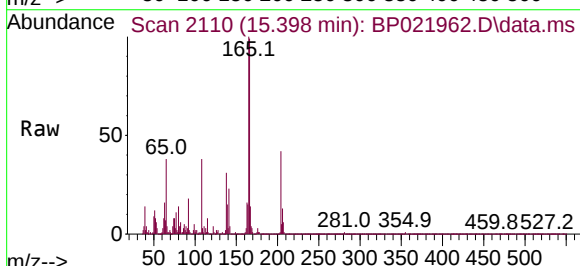
Manual Integrations
APPROVED

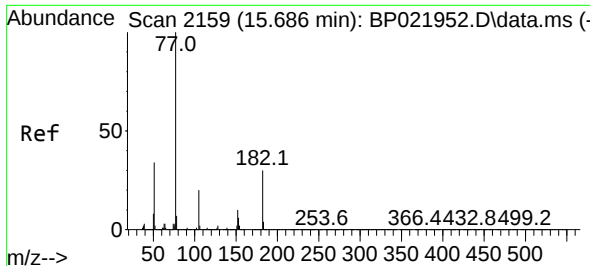
Reviewed By : Jagrut Upadhyay 09/20/2024
Supervised By : mohammad ahmed 09/24/2024



#62
4-Nitroaniline
Concen: 3.334 ng
RT: 15.398 min Scan# 2110
Delta R.T. -0.023 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion: 138 Resp: 10721
Ion Ratio Lower Upper
138 100
92 58.0 32.6 72.6
108 120.2 98.6 138.6





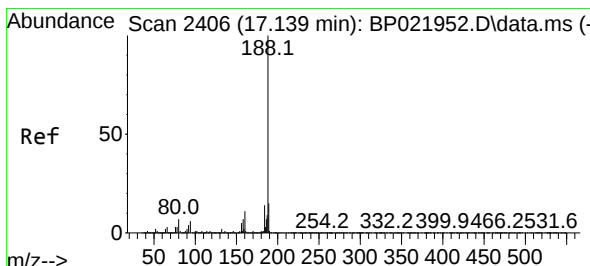
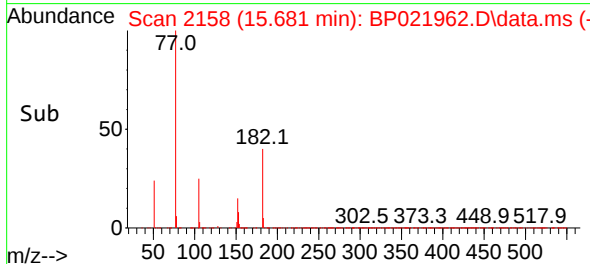
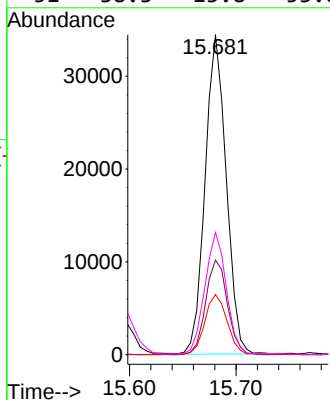
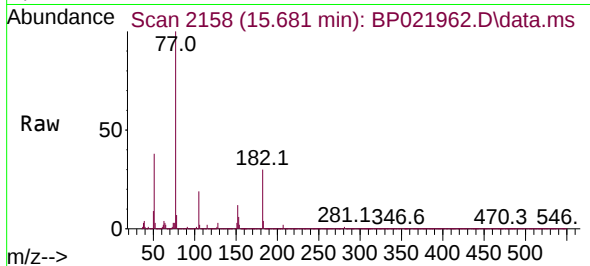
#63
Azobenzene
Concen: 3.838 ng
RT: 15.681 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77	Resp: 4752
Ion Ratio	Lower Upper
77 100	
182 29.6	9.6 49.6
105 18.8	0.0 39.8
51 38.3	13.8 53.8

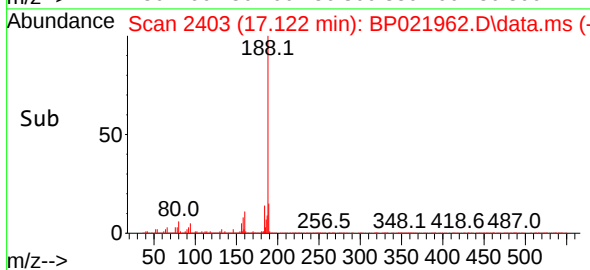
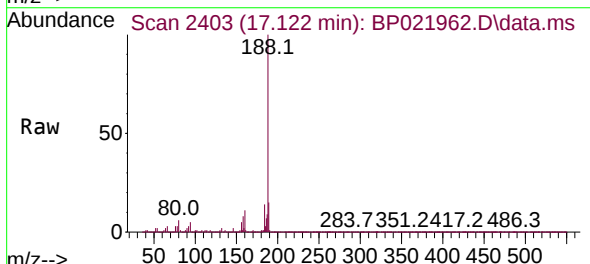
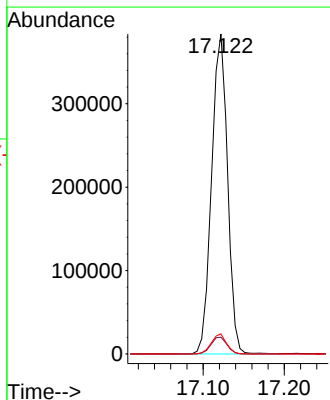
Manual Integrations
APPROVED

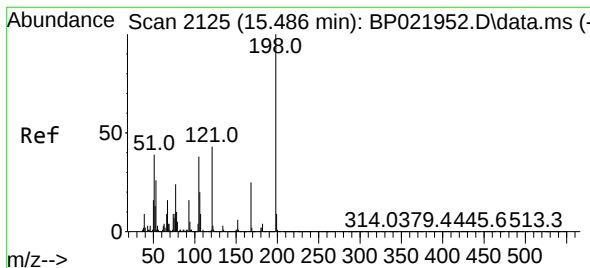
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.122 min Scan# 2403
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:188	Resp: 523328
Ion Ratio	Lower Upper
188 100	
94 5.3	4.6 6.8
80 6.3	5.4 8.2





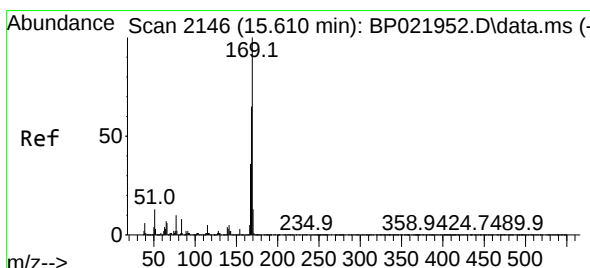
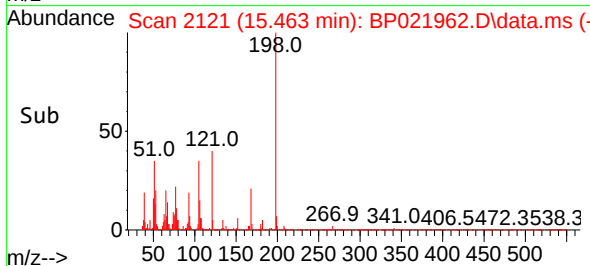
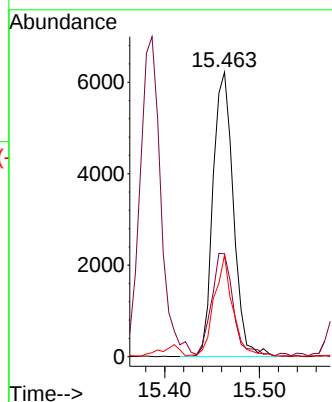
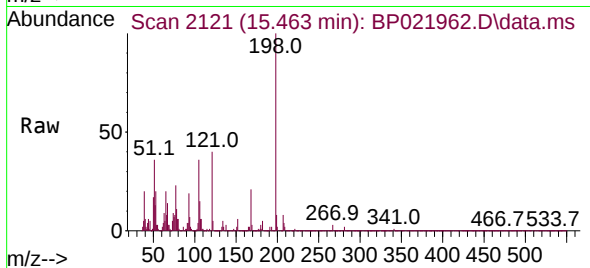
#65
4,6-Dinitro-2-methylphenol
Concen: 3.057 ng
RT: 15.463 min Scan# 2125
Delta R.T. -0.023 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:198 Resp: 927
Ion Ratio Lower Upper
198 100
51 36.2 20.7 60.7
105 35.8 18.4 58.4

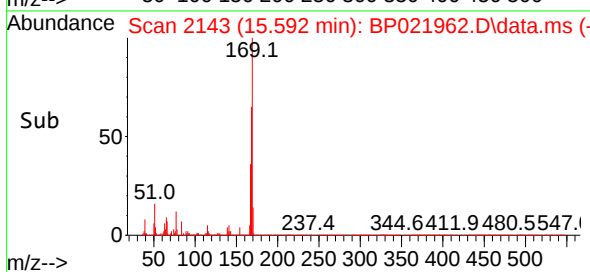
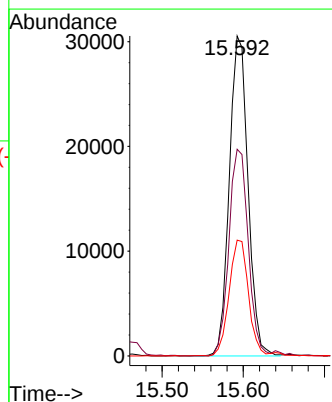
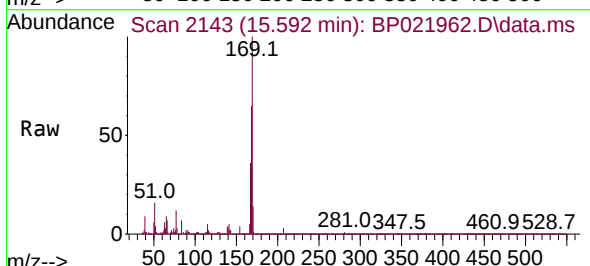
Manual Integrations
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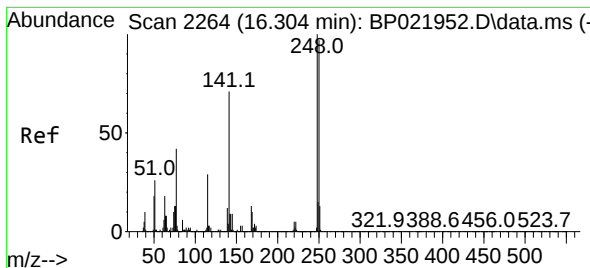
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#66
n-Nitrosodiphenylamine
Concen: 3.745 ng
RT: 15.592 min Scan# 2143
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:169 Resp: 48798
Ion Ratio Lower Upper
169 100
168 64.6 52.2 78.4
167 36.2 28.6 42.8





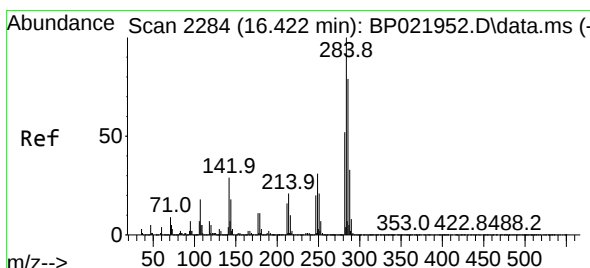
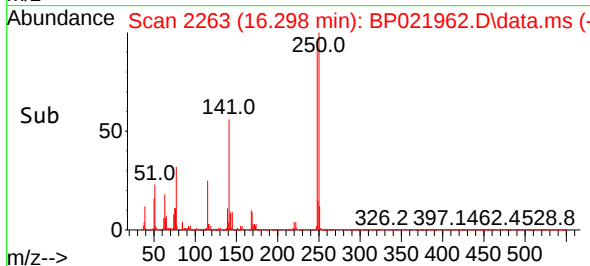
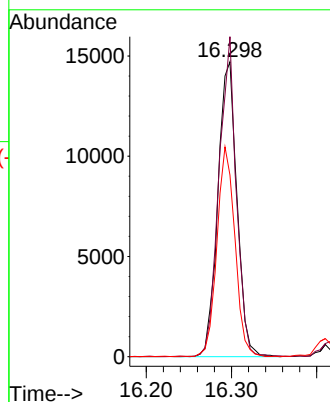
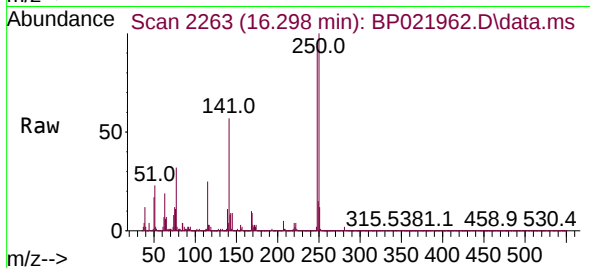
#67
4-Bromophenyl-phenylether
Concen: 3.755 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion	Ratio	Lower	Upper
248	100		
250	108.5	77.5	116.3
141	61.6	56.5	84.7

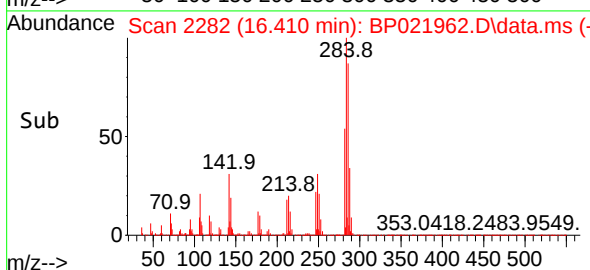
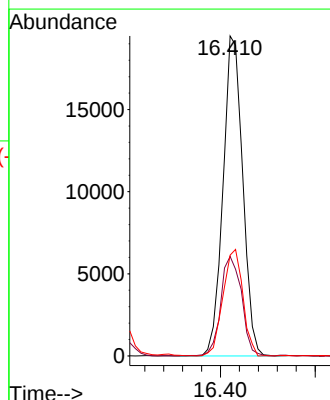
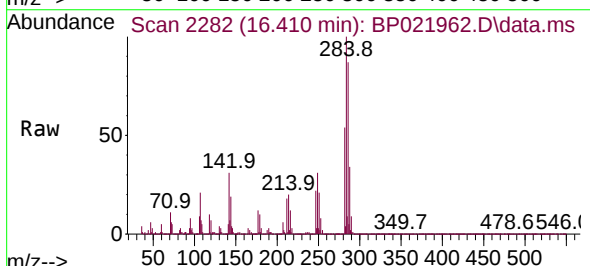
Manual Integrations
APPROVED

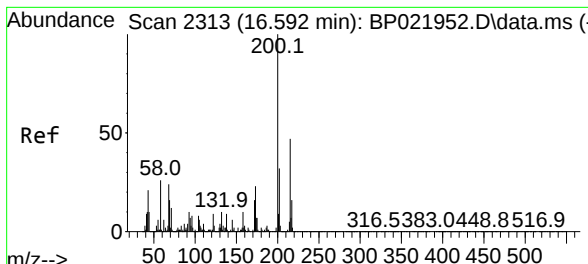
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#68
Hexachlorobenzene
Concen: 3.695 ng
RT: 16.410 min Scan# 2282
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

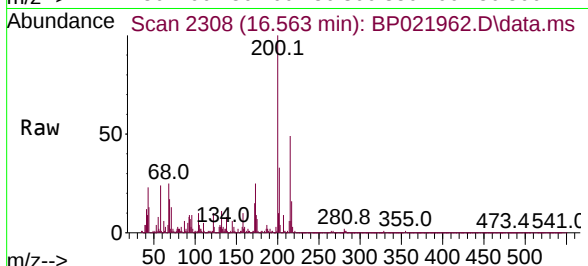
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.1	22.9	34.3
249	31.5	25.2	37.8





#69
 Atrazine
 Concen: 4.385 ng
 RT: 16.563 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BP021962.D
 Acq: 20 Sep 2024 11:08

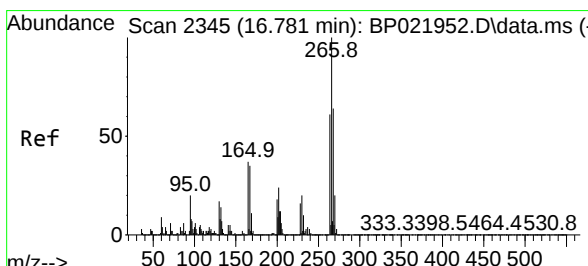
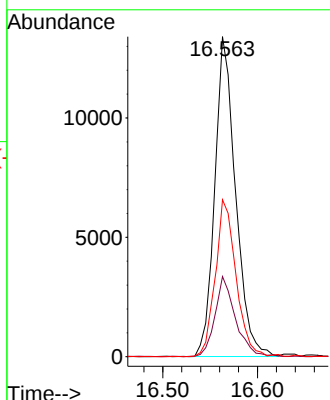
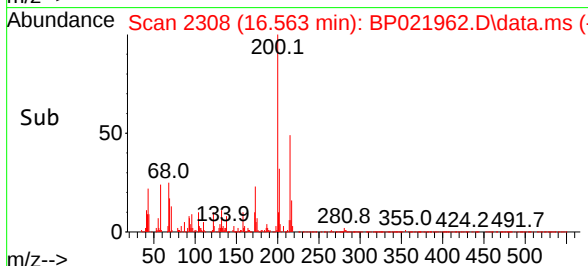
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:200 Resp: 2047
 Ion Ratio Lower Upper
 200 100
 173 25.0 3.0 43.0
 215 49.1 27.4 67.4

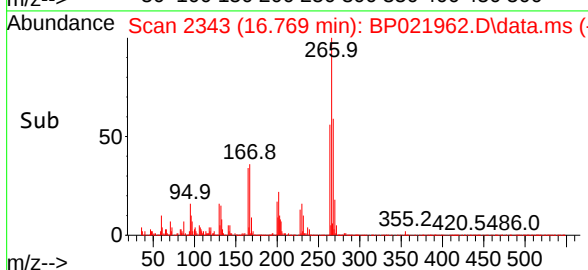
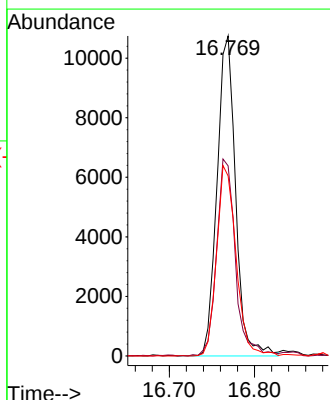
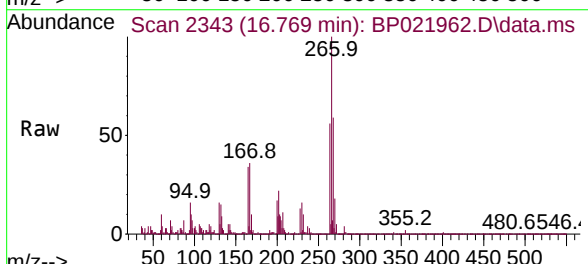
Manual Integrations
 APPROVED

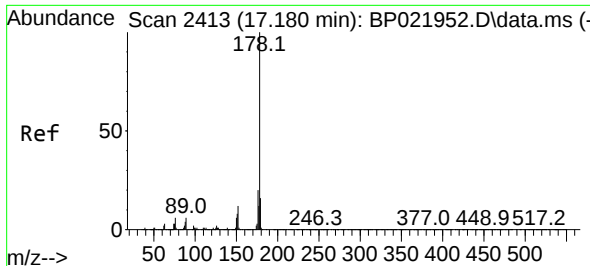
Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024



#70
 Pentachlorophenol
 Concen: 3.184 ng
 RT: 16.769 min Scan# 2343
 Delta R.T. -0.012 min
 Lab File: BP021962.D
 Acq: 20 Sep 2024 11:08

Tgt Ion:266 Resp: 16294
 Ion Ratio Lower Upper
 266 100
 268 59.4 51.1 76.7
 264 56.2 48.6 72.8





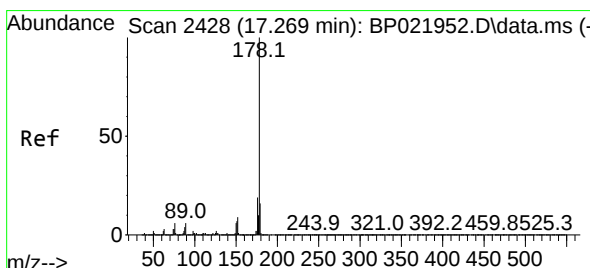
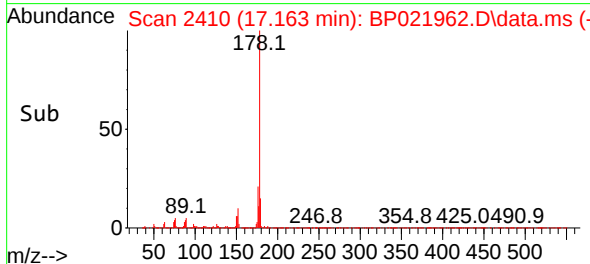
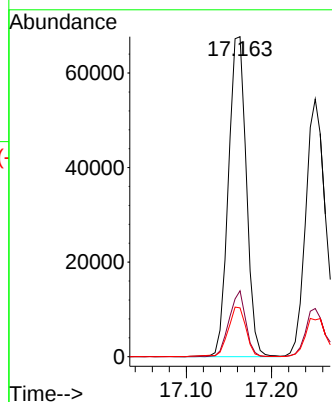
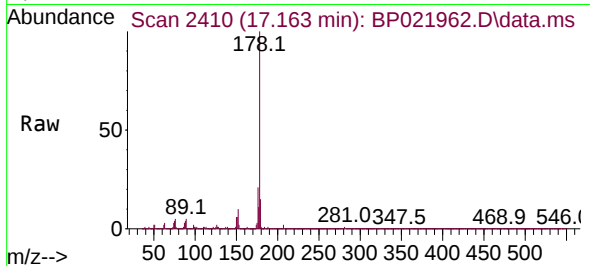
#71
Phenanthrene
Concen: 3.931 ng
RT: 17.163 min Scan# 2410
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:178 Resp: 9874
Ion Ratio Lower Upper
178 100
176 20.6 15.9 23.9
179 15.3 12.5 18.7

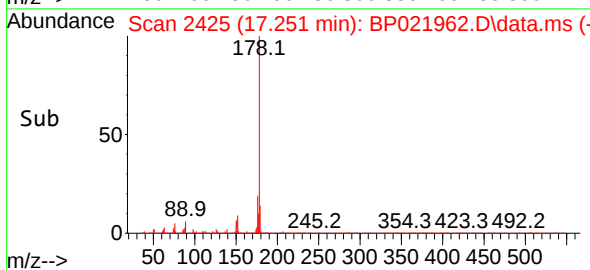
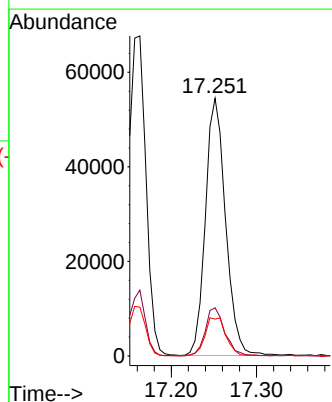
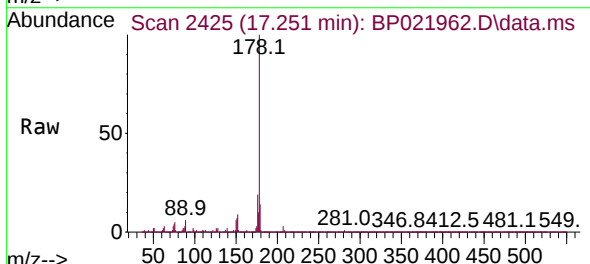
Manual Integrations
APPROVED

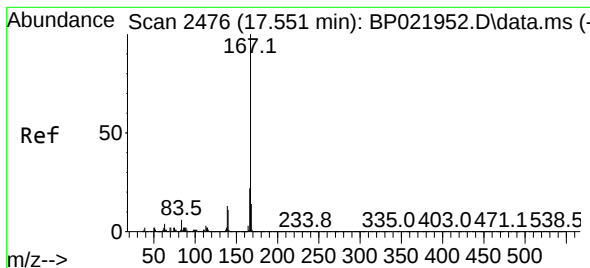
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#72
Anthracene
Concen: 3.676 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:178 Resp: 89397
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 14.3 12.6 18.8





#73

Carbazole

Concen: 3.596 ng

RT: 17.534 min Scan# 2476

Delta R.T. -0.018 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

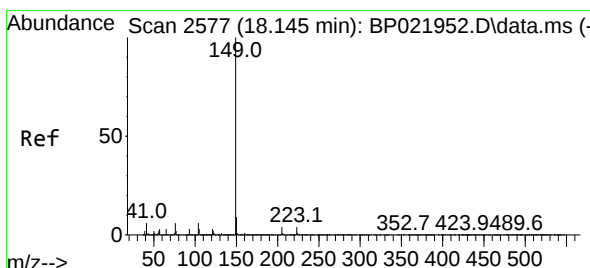
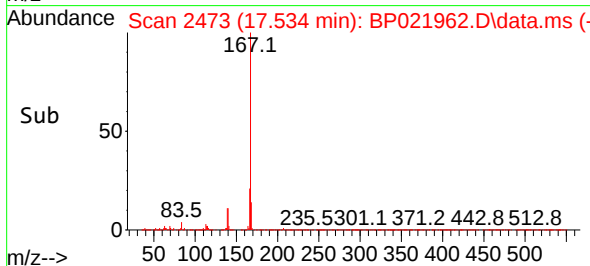
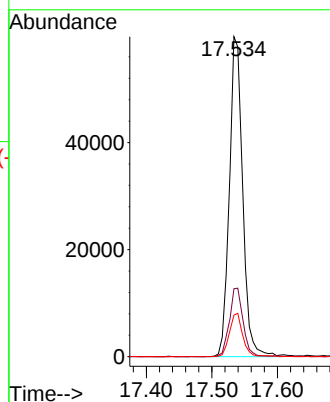
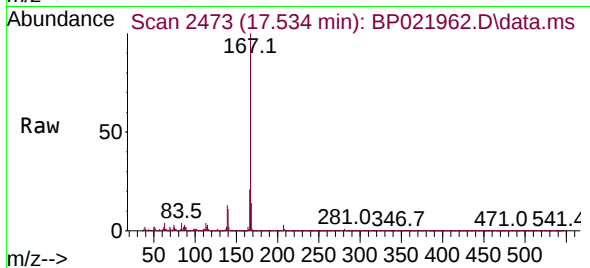
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	167	Resp:	84450
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.4	26.0
139	13.0	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#74

Di-n-butylphthalate

Concen: 3.480 ng

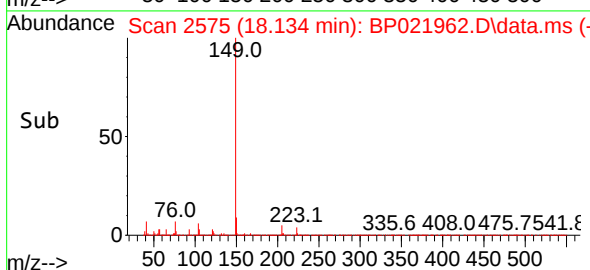
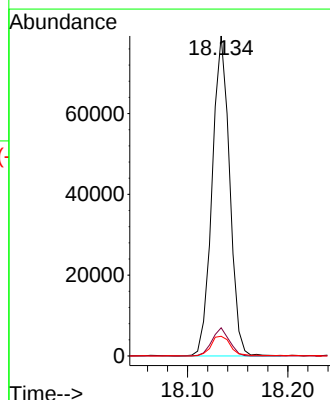
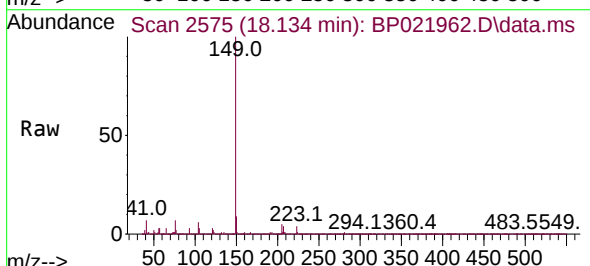
RT: 18.134 min Scan# 2575

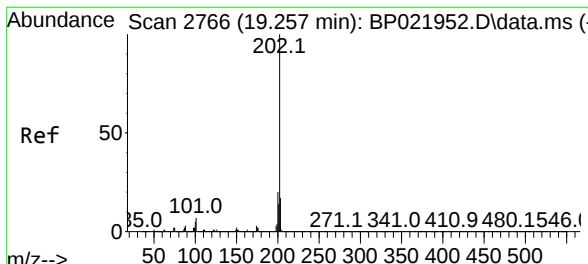
Delta R.T. -0.012 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:	149	Resp:	96007
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.3	10.9
104	6.2	4.6	6.8



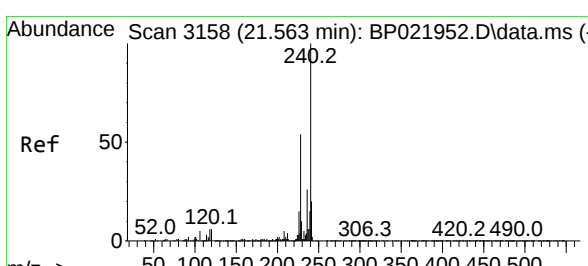
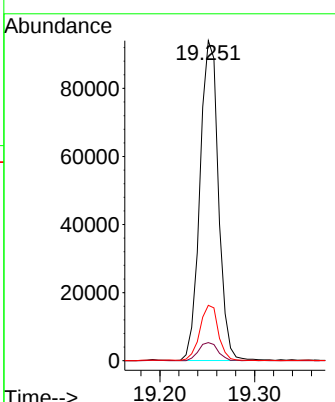
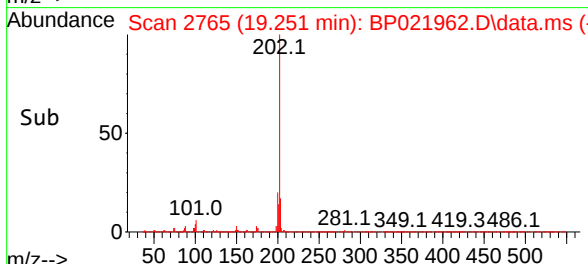
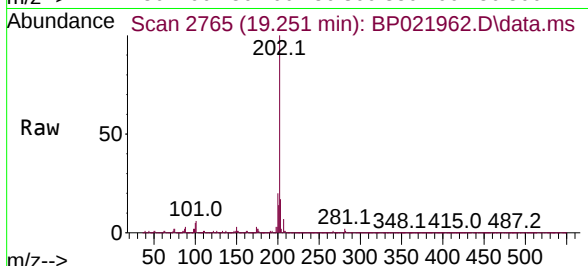


#75
 Fluoranthene
 Concen: 3.632 ng
 RT: 19.251 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP021962.D
 Acq: 20 Sep 2024 11:08

Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

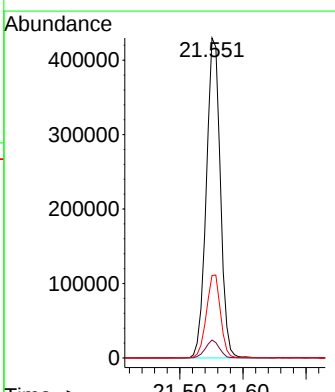
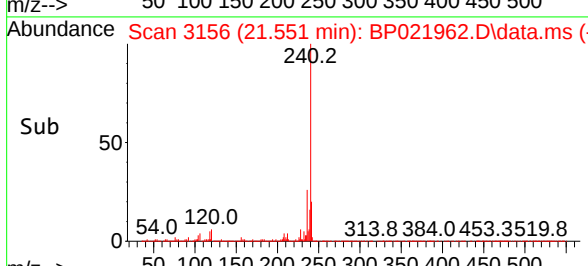
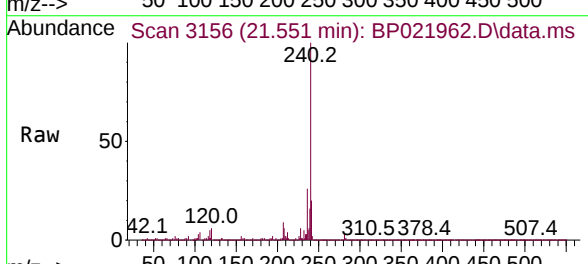
Tgt Ion:	202	Resp:	127350
Ion Ratio	Lower	Upper	
202	100		
101	5.6	0.0	26.5
203	17.3	0.0	37.3

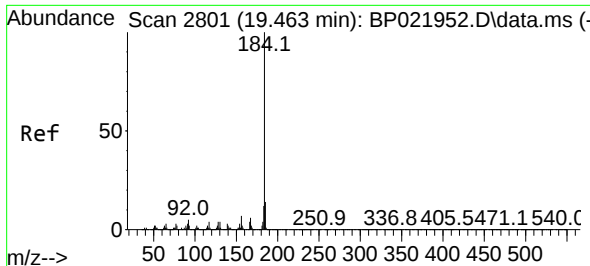
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.551 min Scan# 3156
 Delta R.T. -0.012 min
 Lab File: BP021962.D
 Acq: 20 Sep 2024 11:08

Tgt Ion:	240	Resp:	661687
Ion Ratio	Lower	Upper	
240	100		
120	5.6	5.1	7.7
236	25.8	20.7	31.1





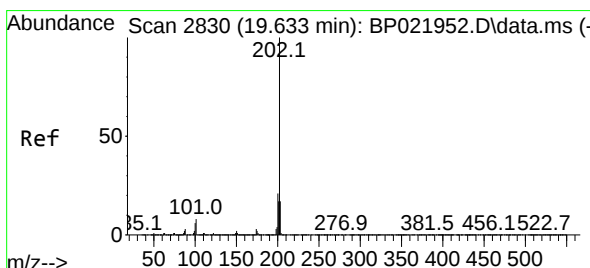
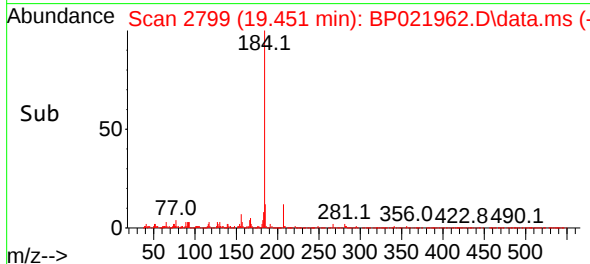
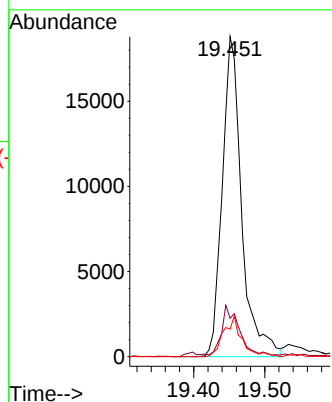
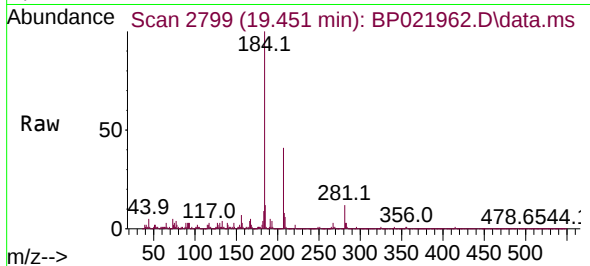
#77
Benzidine
Concen: 4.391 ng
RT: 19.451 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:184 Resp: 35508
Ion Ratio Lower Upper
184 100
185 12.0 10.9 16.3
183 8.6 9.2 13.8

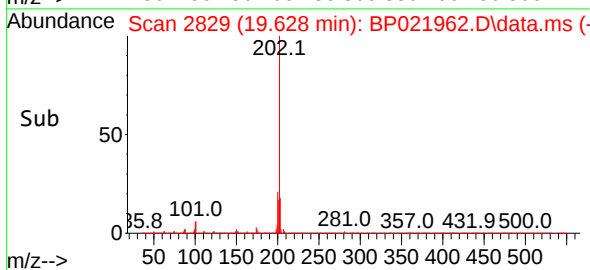
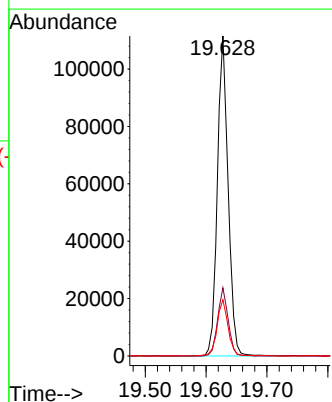
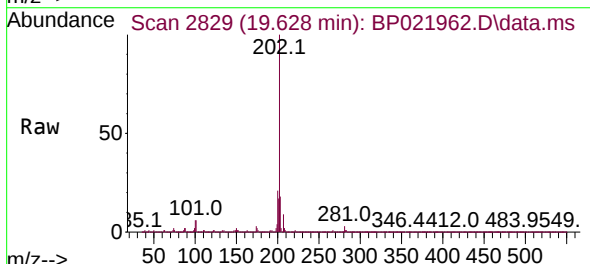
Manual Integrations
APPROVED

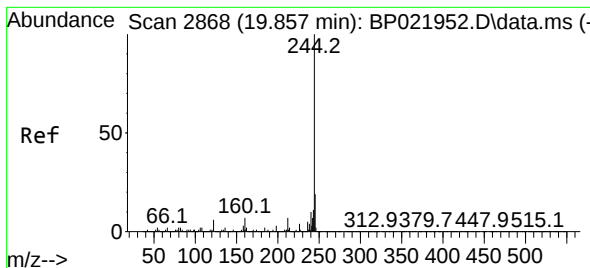
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#78
Pyrene
Concen: 3.409 ng
RT: 19.628 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:202 Resp: 136449
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.6 13.8 20.8





#79

Terphenyl-d14

Concen: 74.500 ng

RT: 19.851 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:244 Resp: 2624220

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

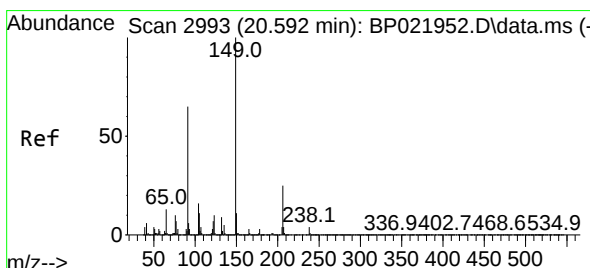
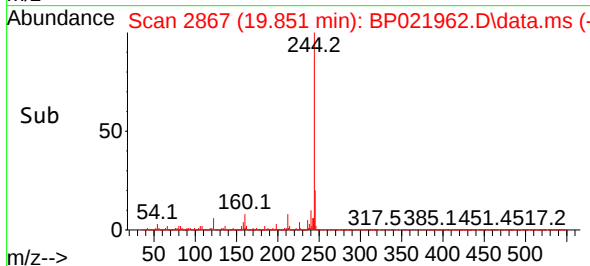
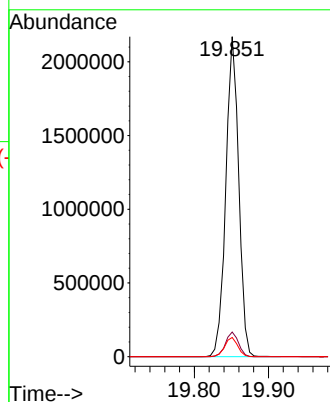
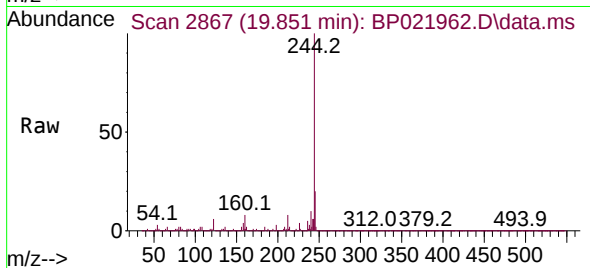
122 6.0 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/24/2024



#80

Butylbenzylphthalate

Concen: 3.160 ng

RT: 20.580 min Scan# 2991

Delta R.T. -0.012 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

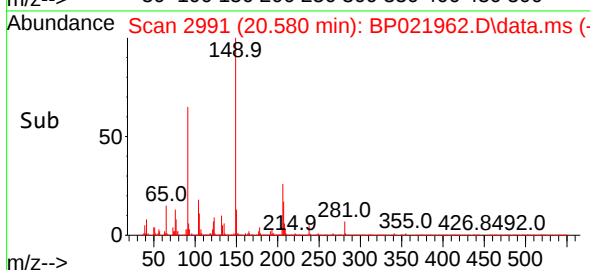
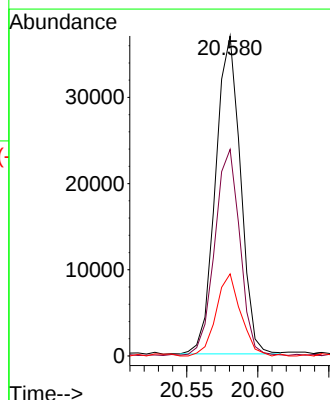
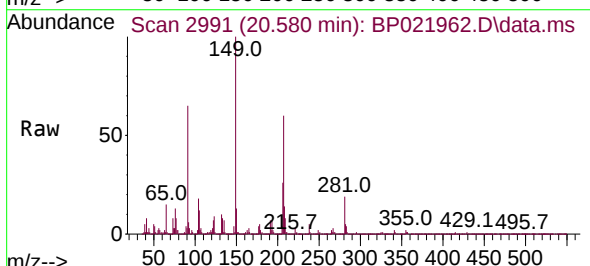
Tgt Ion:149 Resp: 45114

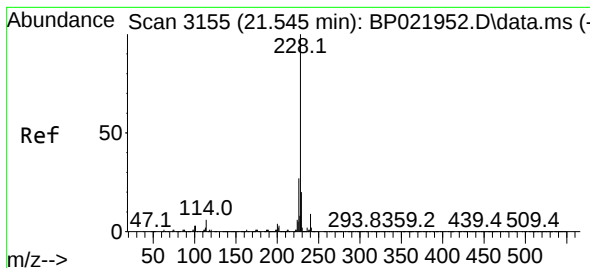
Ion Ratio Lower Upper

149 100

91 64.5 51.9 77.9

206 25.7 20.1 30.1





#81

Benzo(a)anthracene

Concen: 3.775 ng

RT: 21.533 min Scan# 3153

Delta R.T. -0.012 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

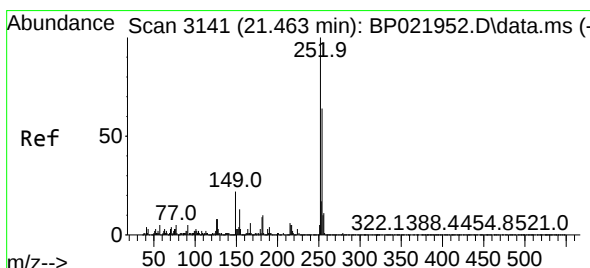
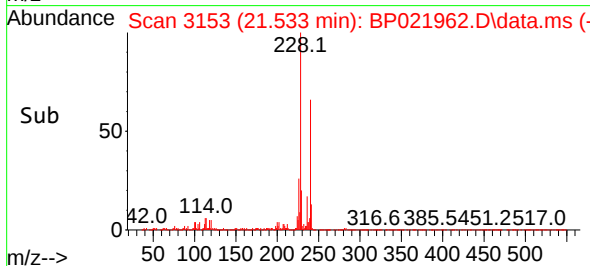
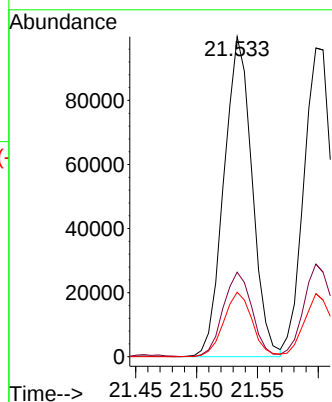
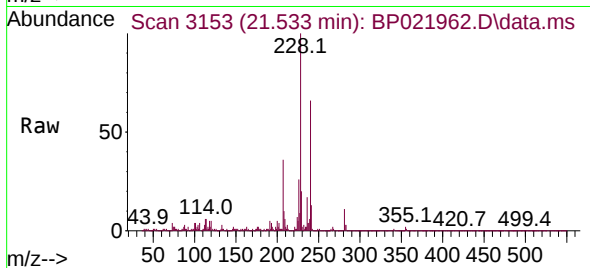
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	228	Resp:	160494
Ion Ratio	Lower	Upper	
228	100		
226	26.4	21.5	32.3
229	20.1	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#82

3,3'-Dichlorobenzidine

Concen: 3.502 ng

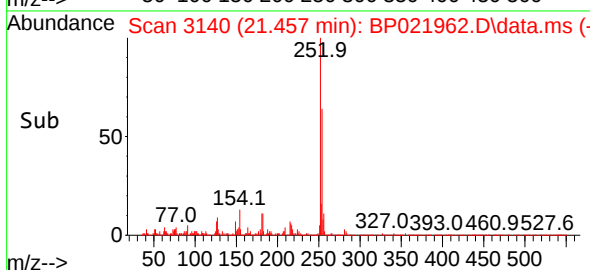
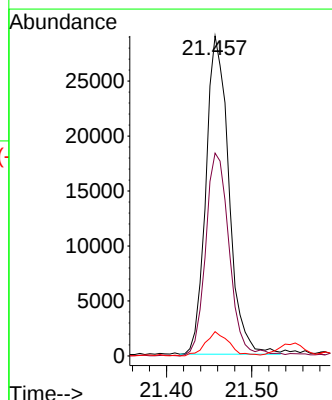
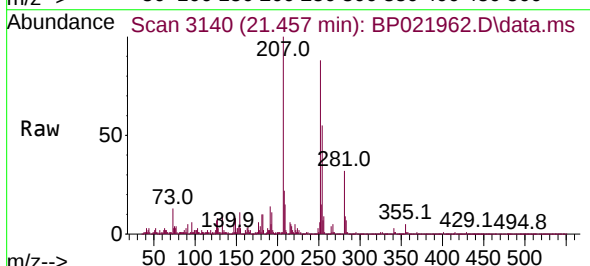
RT: 21.457 min Scan# 3140

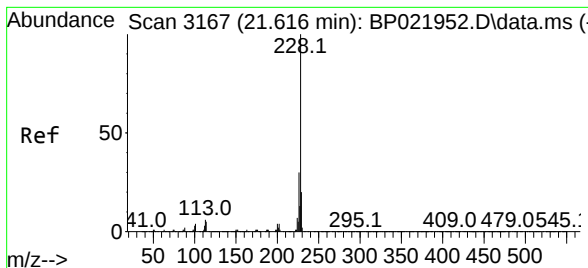
Delta R.T. -0.006 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:	252	Resp:	54025
Ion Ratio	Lower	Upper	
252	100		
254	63.4	51.4	77.2
126	7.6	6.2	9.4





#83

Chrysene

Concen: 3.938 ng

RT: 21.598 min Scan# 3164

Delta R.T. -0.018 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

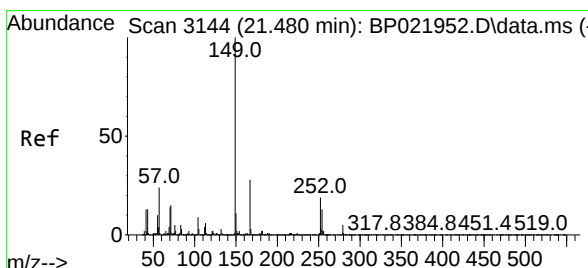
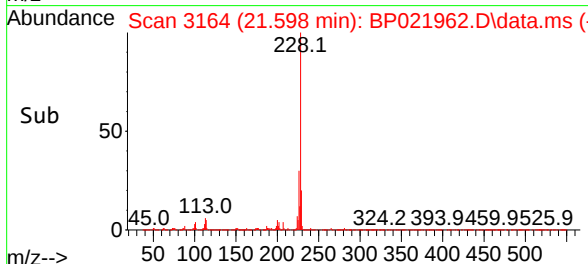
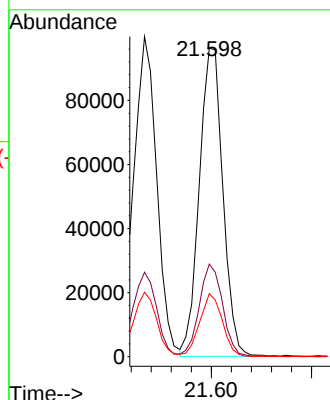
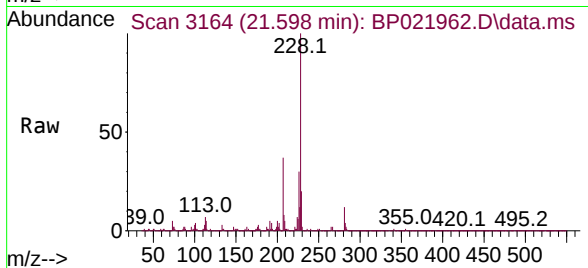
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	228	Resp:	15765
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.2	36.4
229	20.4	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.195 ng

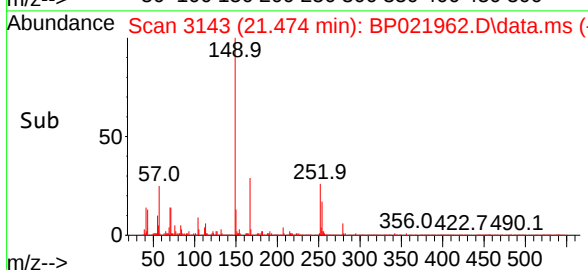
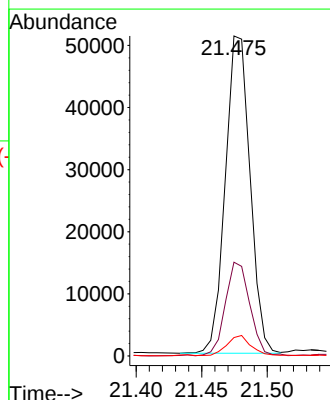
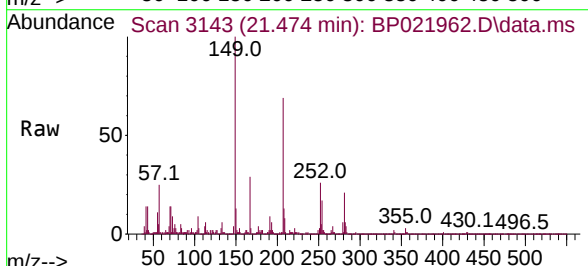
RT: 21.474 min Scan# 3143

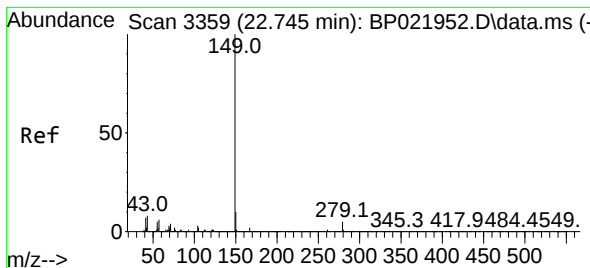
Delta R.T. -0.006 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:	149	Resp:	66951
Ion Ratio	Lower	Upper	
149	100		
167	29.3	22.3	33.5
279	5.7	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 3.094 ng

RT: 22.739 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

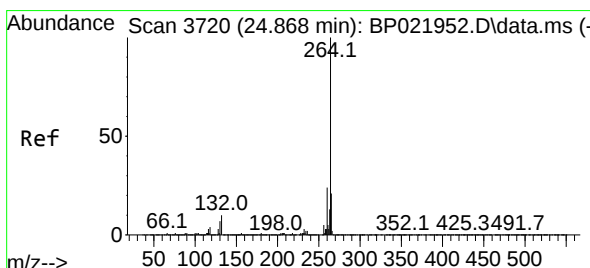
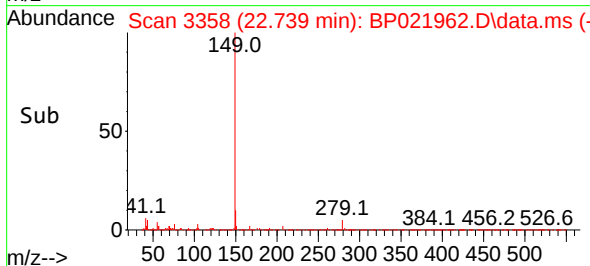
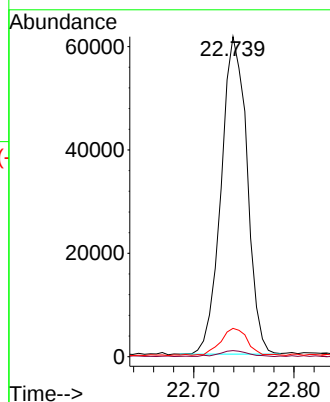
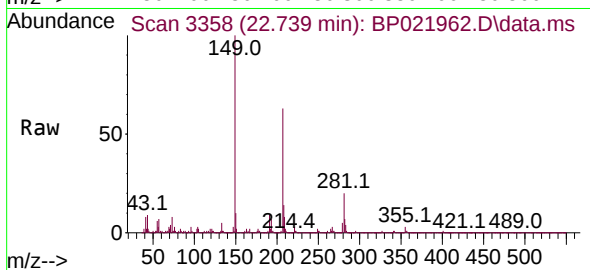
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	149	Resp:	11010
Ion Ratio	Lower	Upper	
149	100		
167	2.0	1.4	2.0
43	8.8	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#86

Perylene-d12

Concen: 20.000 ng

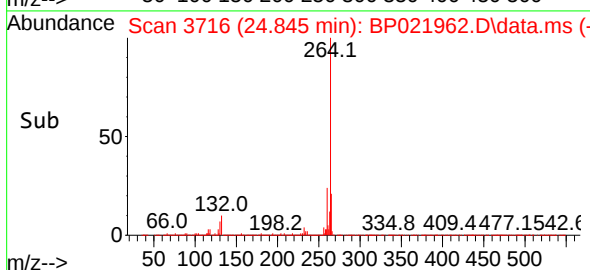
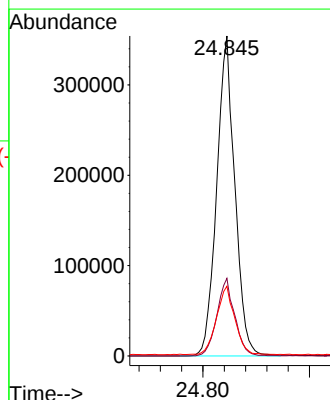
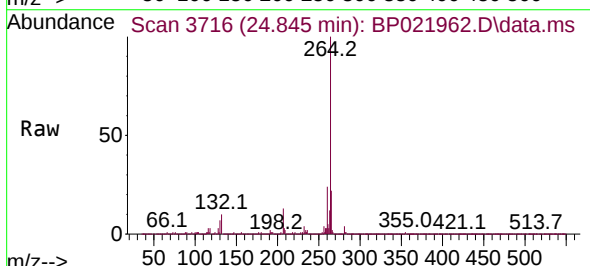
RT: 24.845 min Scan# 3716

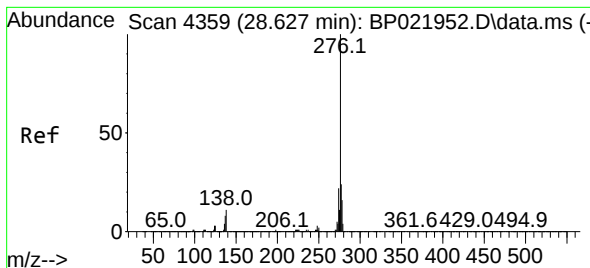
Delta R.T. -0.023 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:	264	Resp:	836429
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.9	28.3
265	21.8	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.251 ng

RT: 28.562 min Scan# 4359

Delta R.T. -0.065 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

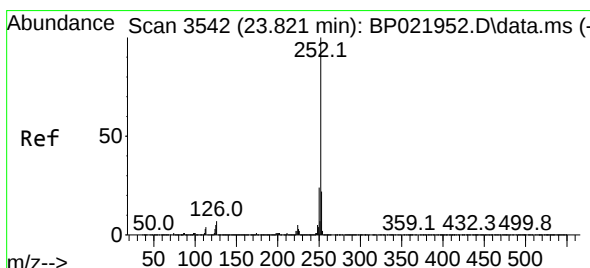
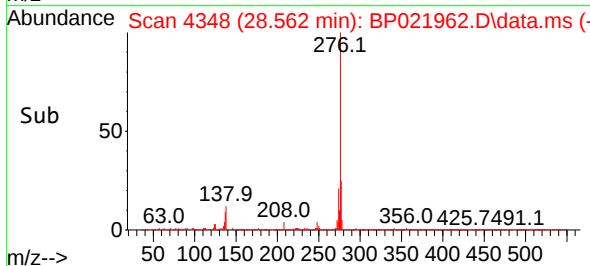
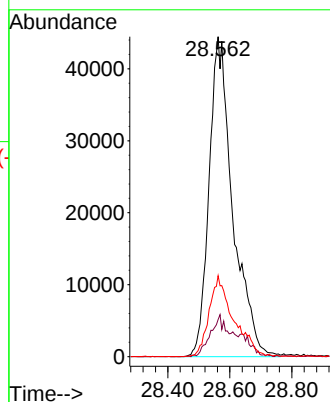
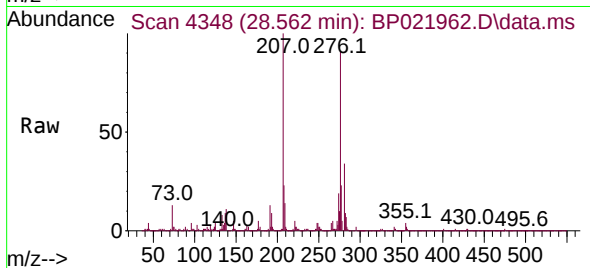
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	276	Resp:	236480
Ion Ratio	Lower	Upper	
276	100		
138	10.8	7.8	11.8
277	25.9	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#88

Benzo(b)fluoranthene

Concen: 3.539 ng

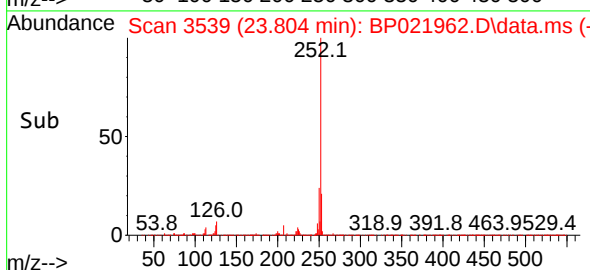
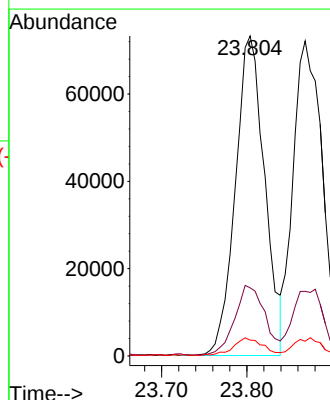
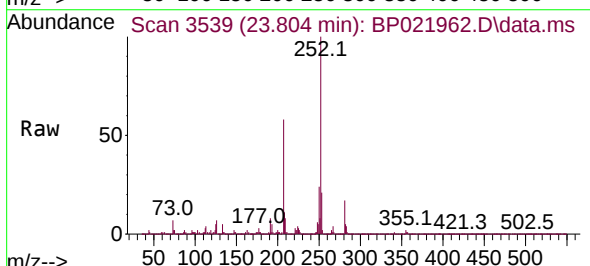
RT: 23.804 min Scan# 3539

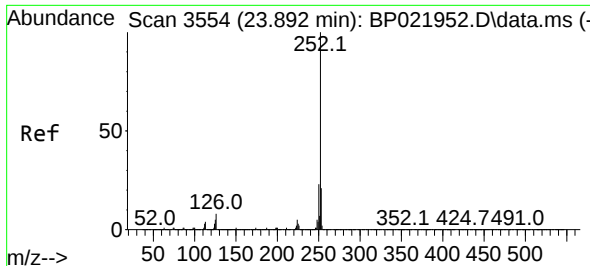
Delta R.T. -0.018 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:	252	Resp:	175043
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.4	26.0
125	5.0	4.2	6.2





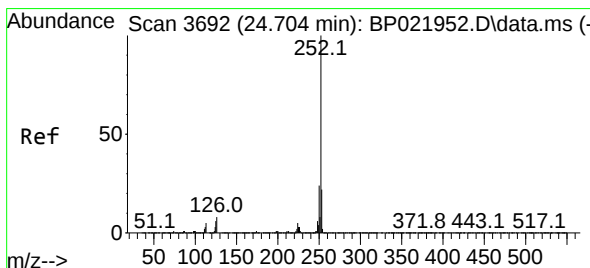
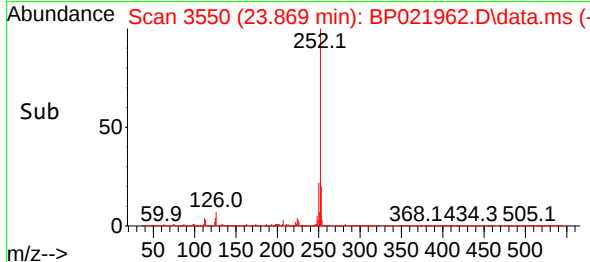
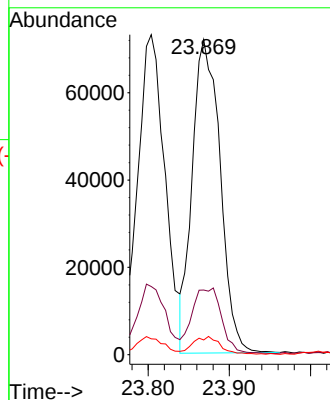
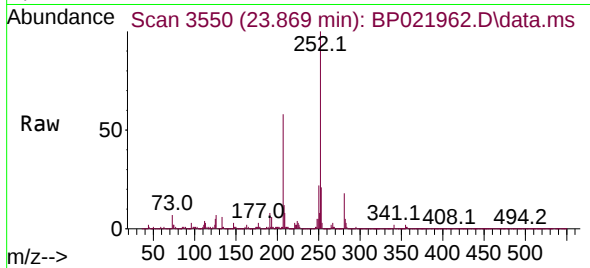
#89
Benzo(k)fluoranthene
Concen: 3.659 ng
RT: 23.869 min Scan# 3554
Delta R.T. -0.023 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:252 Resp: 17127
Ion Ratio Lower Upper
252 100
253 20.5 17.0 25.6
125 4.7 4.3 6.5

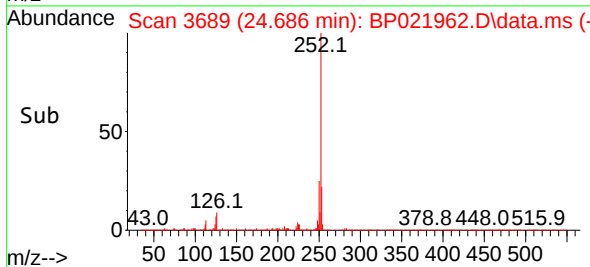
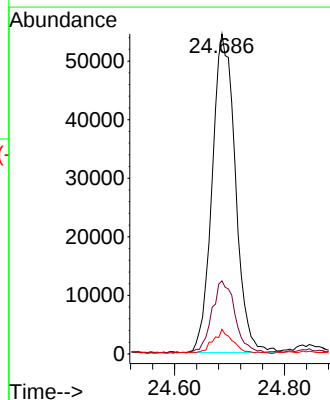
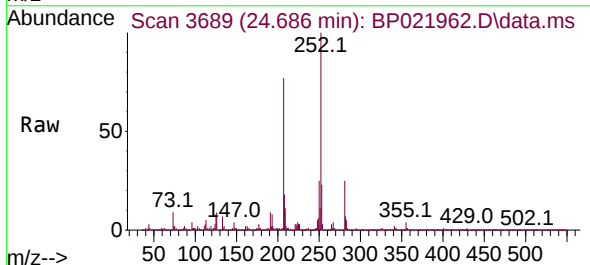
Manual Integrations
APPROVED

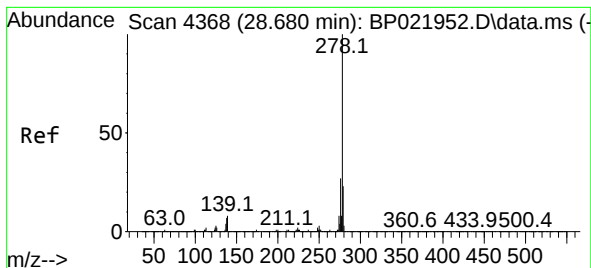
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#90
Benzo(a)pyrene
Concen: 3.736 ng
RT: 24.686 min Scan# 3689
Delta R.T. -0.018 min
Lab File: BP021962.D
Acq: 20 Sep 2024 11:08

Tgt Ion:252 Resp: 159223
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 7.7 5.0 7.6#





#91

Dibenzo(a,h)anthracene

Concen: 4.251 ng

RT: 28.627 min Scan# 41

Delta R.T. -0.053 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Instrument :

BNA_P

ClientSampleId :

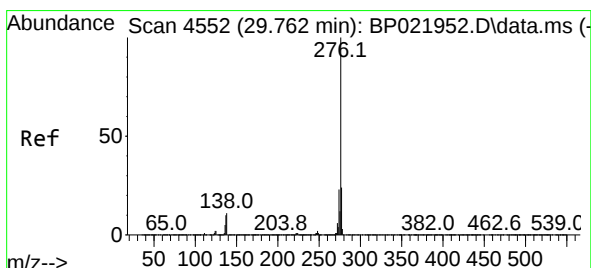
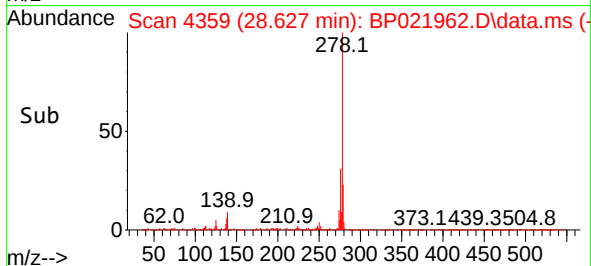
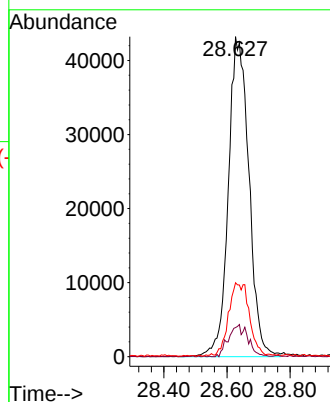
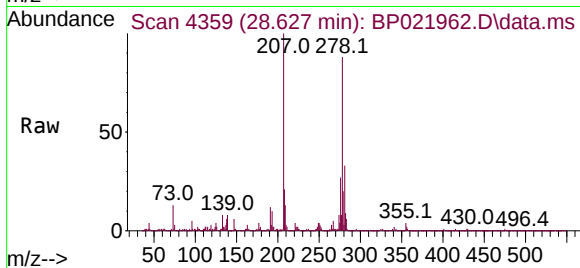
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	278	Resp:	19517
Ion Ratio	Lower	Upper	
278	100		
139	9.1	6.6	10.0
279	23.1	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92

Benzo(g,h,i)perylene

Concen: 4.012 ng

RT: 29.721 min Scan# 4545

Delta R.T. -0.041 min

Lab File: BP021962.D

Acq: 20 Sep 2024 11:08

Tgt Ion:	276	Resp:	188690
Ion Ratio	Lower	Upper	
276	100		
277	22.3	19.3	28.9
138	12.0	9.2	13.8

