

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020524\
 Data File : BP019558.D
 Acq On : 05 Feb 2024 13:14
 Operator : MA/JU
 Sample : 04699-01
 Misc : MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Feb 05 13:47:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	75099	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	302087	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	194020	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	375864	20.000	ng	0.00
76) Chrysene-d12	21.392	240	321956	20.000	ng	0.00
86) Perylene-d12	23.816	264	408984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	457060	98.103	ng	-0.01
7) Phenol-d6	7.069	99	614950	97.891	ng	-0.02
23) Nitrobenzene-d5	9.075	82	470813	67.534	ng	-0.01
42) 2,4,6-Tribromophenol	16.039	330	254162	89.720	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1064643	67.835	ng	-0.01
79) Terphenyl-d14	19.869	244	1297971	66.300	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	15098	8.411	ng	97
3) Pyridine	3.781	79	32806	6.741	ng	95
4) n-Nitrosodimethylamine	3.705	42	15083	7.119	ng	91
6) Aniline	7.234	93	52825	8.654	ng	98
8) 2-Chlorophenol	7.463	128	34458	7.204	ng	94
9) Benzaldehyde	7.052	77	36272	8.235	ng	97
10) Phenol	7.099	94	44114	7.046	ng	95
11) bis(2-Chloroethyl)ether	7.340	93	35877	7.365	ng	100
12) 1,3-Dichlorobenzene	7.793	146	41430	7.079	ng	99
13) 1,4-Dichlorobenzene	7.940	146	42224	7.121	ng	98
14) 1,2-Dichlorobenzene	8.252	146	40828	7.116	ng	99
15) Benzyl Alcohol	8.152	79	34911	6.955	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.446	45	36327	7.458	ng	98
17) 2-Methylphenol	8.346	107	30350	7.200	ng	97
18) Hexachloroethane	8.975	117	15442	6.718	ng	98
19) n-Nitroso-di-n-propyla...	8.722	70	31103	7.249	ng	97
20) 3+4-Methylphenols	8.681	107	41101	7.145	ng	96
22) Acetophenone	8.734	105	61333	7.127	ng	# 97
24) Nitrobenzene	9.116	77	48481	6.907	ng	100
25) Isophorone	9.640	82	82247	6.774	ng	98
26) 2-Nitrophenol	9.822	139	15941	5.956	ng	89
27) 2,4-Dimethylphenol	9.881	122	26970	7.881	ng	94
28) bis(2-Chloroethoxy)met...	10.134	93	48196	7.016	ng	99
29) 2,4-Dichlorophenol	10.352	162	33043	6.387	ng	97
30) 1,2,4-Trichlorobenzene	10.569	180	41579	6.555	ng	95
31) Naphthalene	10.757	128	111612	6.737	ng	99
32) Benzoic acid	9.952	122	16626m	4.986	ng	
33) 4-Chloroaniline	10.875	127	45053	7.353	ng	98
34) Hexachlorobutadiene	11.034	225	30028	6.388	ng	98
35) Caprolactam	11.646	113	8247	5.631	ng	93
36) 4-Chloro-3-methylphenol	11.993	107	35471	6.288	ng	96
37) 2-Methylnaphthalene	12.369	142	77725	6.779	ng	99
38) 1-Methylnaphthalene	12.587	142	75167	6.671	ng	99
40) 1,2,4,5-Tetrachloroben...	12.728	216	52241	6.982	ng	99
41) Hexachlorocyclopentadiene	12.704	237	28333	8.382	ng	98
43) 2,4,6-Trichlorophenol	12.975	196	27458	6.060	ng	95

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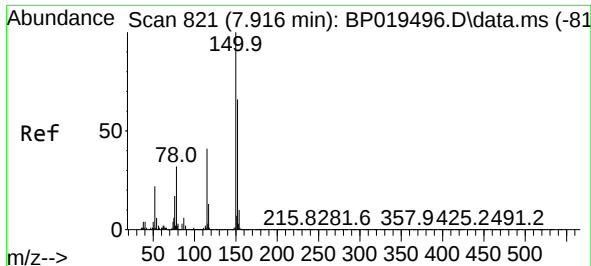
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	29642	5.958	ng	95
46) 1,1'-Biphenyl	13.381	154	109833	7.093	ng	98
47) 2-Chloronaphthalene	13.416	162	85708	6.742	ng	100
48) 2-Nitroaniline	13.628	65	20431	5.748	ng	97
49) Acenaphthylene	14.263	152	130376	7.311	ng	98
50) Dimethylphthalate	14.010	163	99908	6.727	ng	98
51) 2,6-Dinitrotoluene	14.134	165	20153	6.176	ng	96
52) Acenaphthene	14.604	154	75911	6.858	ng	98
53) 3-Nitroaniline	14.457	138	17452	5.819	ng	97
54) 2,4-Dinitrophenol	14.663	184	7918	4.673	ng	96
55) Dibenzofuran	14.945	168	126265	7.004	ng	97
56) 4-Nitrophenol	14.757	139	12467	5.072	ng	91
57) 2,4-Dinitrotoluene	14.916	165	23075	5.396	ng	97
58) Fluorene	15.592	166	94312	6.568	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.169	232	26706m	6.382	ng	
60) Diethylphthalate	15.381	149	90895	6.153	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	53939	6.684	ng	97
62) 4-Nitroaniline	15.622	138	17080	5.434	ng	95
63) Azobenzene	15.892	77	90355	6.325	ng	97
65) 4,6-Dinitro-2-methylph...	15.675	198	10945	5.107	ng	97
66) n-Nitrosodiphenylamine	15.810	169	80075	7.114	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	31347	6.671	ng	95
68) Hexachlorobenzene	16.592	284	37470	6.829	ng	95
69) Atrazine	16.775	200	27234	7.291	ng	94
70) Pentachlorophenol	16.939	266	17088	5.001	ng	96
71) Phenanthrene	17.345	178	139485	7.052	ng	99
72) Anthracene	17.434	178	135696	6.877	ng	99
73) Carbazole	17.710	167	110862	6.185	ng	99
74) Di-n-butylphthalate	18.275	149	117542	5.423	ng	99
75) Fluoranthene	19.310	202	146147	6.048	ng	97
77) Benzidine	19.504	184	67205	9.984	ng	98
78) Pyrene	19.663	202	152580	6.715	ng	98
80) Butylbenzylphthalate	20.557	149	43508	5.127	ng	100
81) Benzo(a)anthracene	21.380	228	152579	6.732	ng	99
82) 3,3'-Dichlorobenzidine	21.322	252	55851	6.763	ng	94
83) Chrysene	21.433	228	144875	6.733	ng	100
84) Bis(2-ethylhexyl)phtha...	21.327	149	64928	5.025	ng	99
85) Di-n-octyl phthalate	22.274	149	113228	4.981	ng	100
87) Indeno(1,2,3-cd)pyrene	26.339	276	216580	6.918	ng	99
88) Benzo(b)fluoranthene	23.080	252	167963m	6.516	ng	
89) Benzo(k)fluoranthene	23.127	252	154828	6.288	ng	99
90) Benzo(a)pyrene	23.710	252	148412	6.471	ng	98
91) Dibenzo(a,h)anthracene	26.374	278	180189	6.998	ng	98
92) Benzo(g,h,i)perylene	27.115	276	175432	6.716	ng	98

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



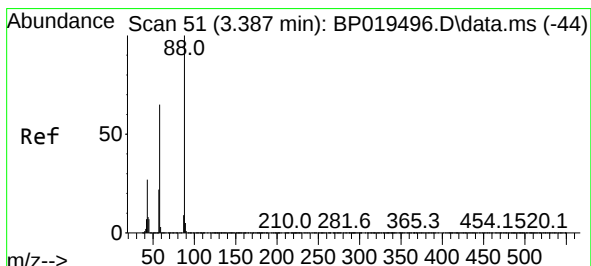
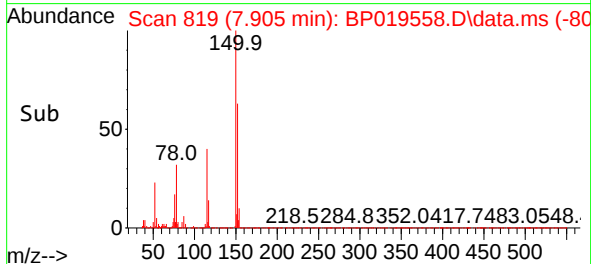
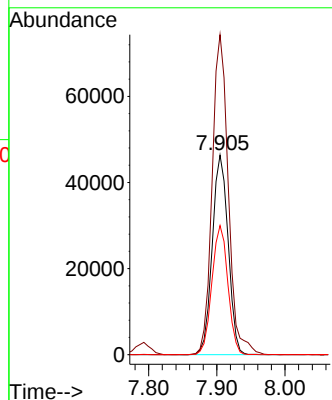
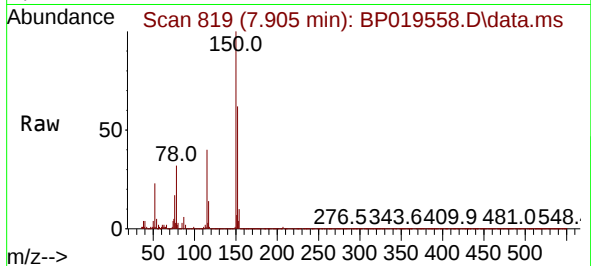
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:152 Resp: 75099
Ion Ratio Lower Upper
152 100
150 160.4 121.8 182.8
115 64.7 49.9 74.9

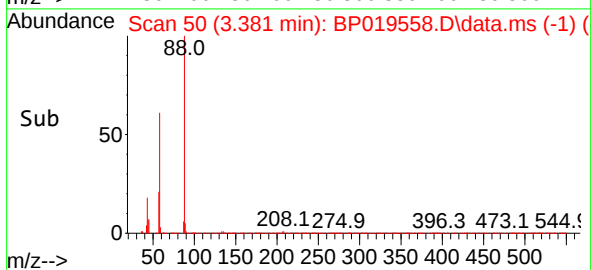
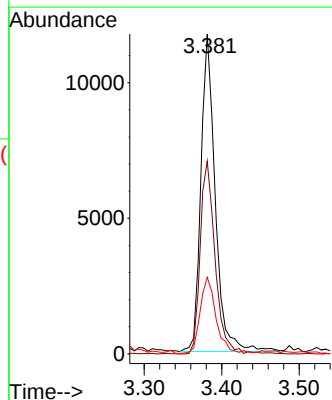
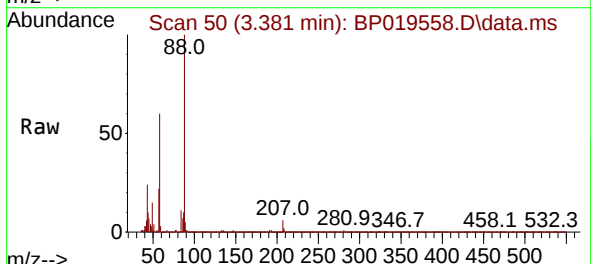
Manual Integrations
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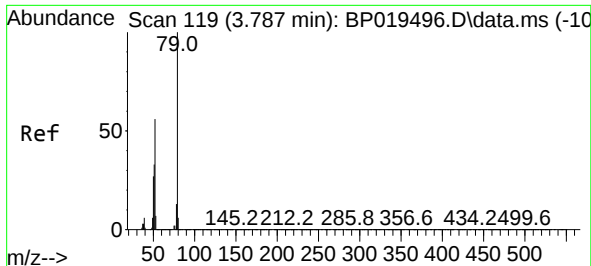
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#2
1,4-Dioxane
Concen: 8.411 ng
RT: 3.381 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion: 88 Resp: 15098
Ion Ratio Lower Upper
88 100
58 63.0 52.6 78.8
43 26.0 21.9 32.9





#3

Pyridine

Concen: 6.741 ng

RT: 3.781 min Scan# 119

Delta R.T. -0.006 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

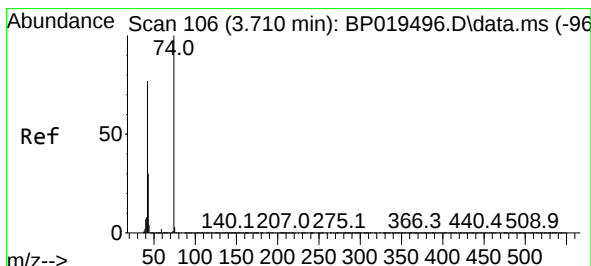
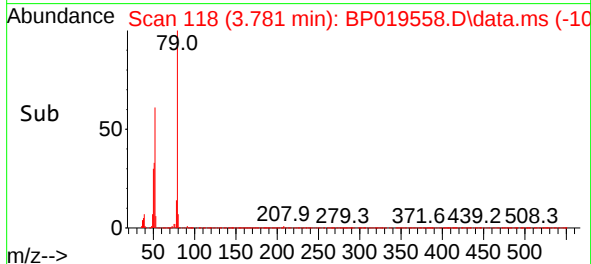
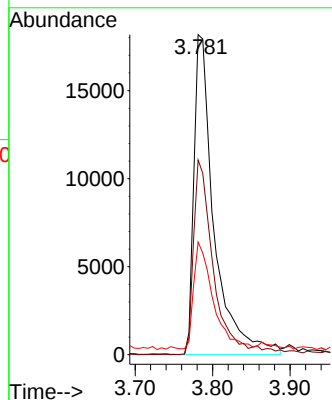
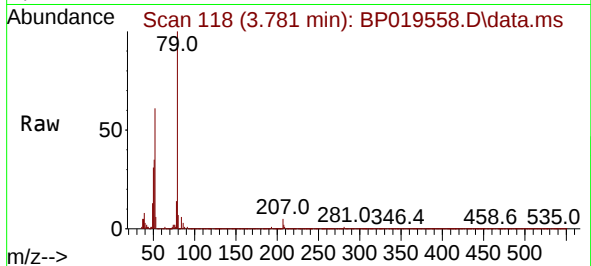
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 79	Resp: 32800
Ion Ratio	Lower Upper
79 100	
52 60.8	45.0 67.6
51 35.2	26.8 40.2

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 7.119 ng

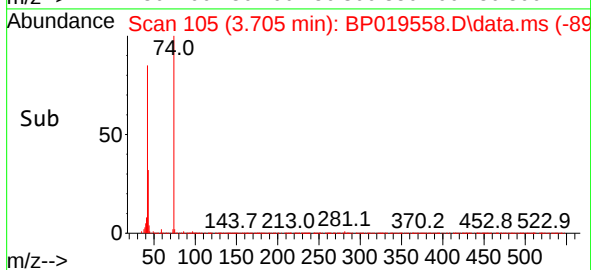
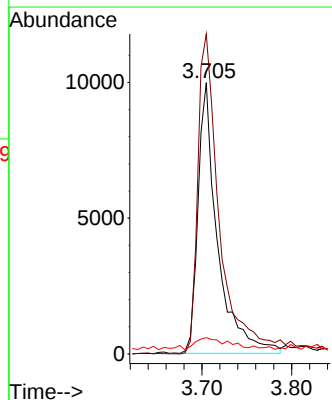
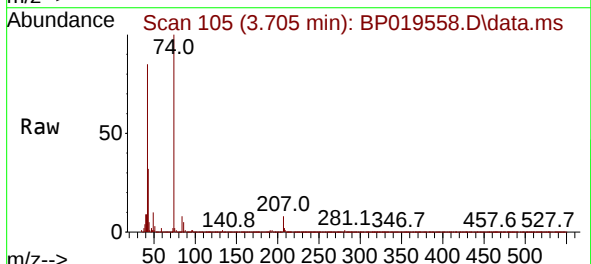
RT: 3.705 min Scan# 105

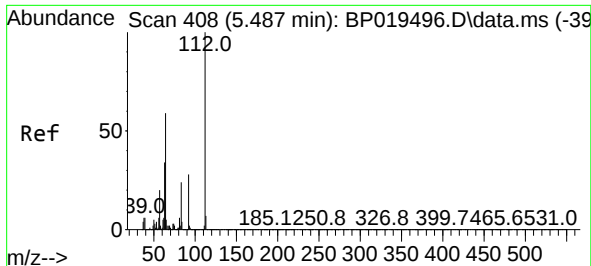
Delta R.T. -0.006 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Tgt Ion: 42	Resp: 15083
Ion Ratio	Lower Upper
42 100	
74 117.9	103.4 155.2
44 6.0	4.8 7.2





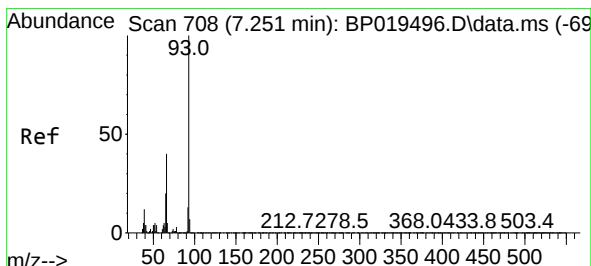
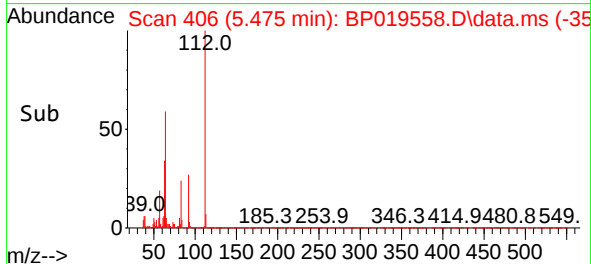
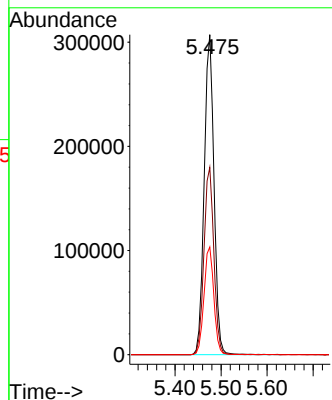
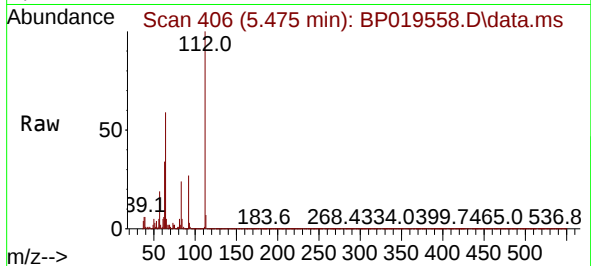
#5
2-Fluorophenol
Concen: 98.103 ng
RT: 5.475 min Scan# 408
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:112 Resp: 457060
Ion Ratio Lower Upper
112 100
64 58.5 47.4 71.0
63 33.6 27.0 40.6

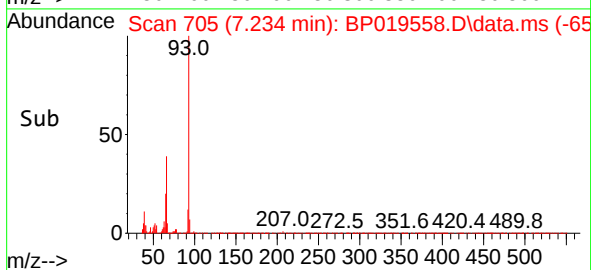
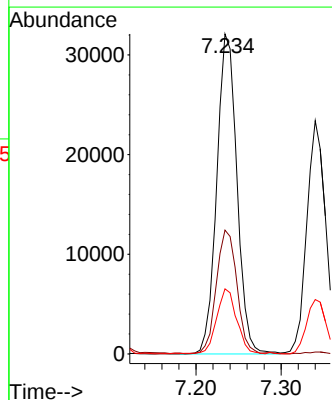
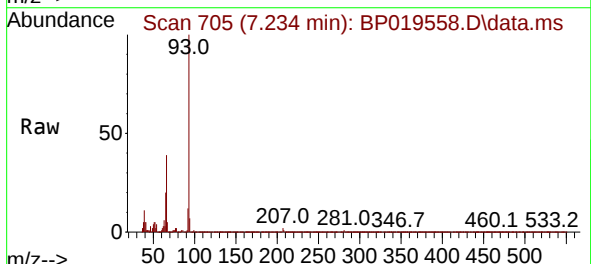
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#6
Aniline
Concen: 8.654 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.017 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

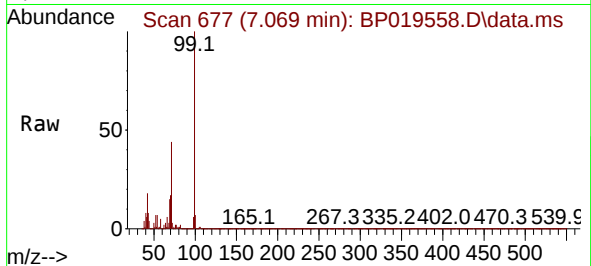
Tgt Ion: 93 Resp: 52825
Ion Ratio Lower Upper
93 100
66 38.7 32.3 48.5
65 20.4 16.4 24.6





#7
Phenol-d6
Concen: 97.891 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

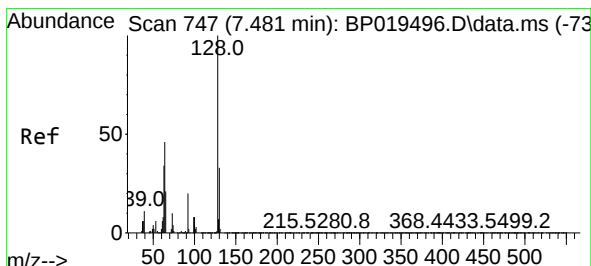
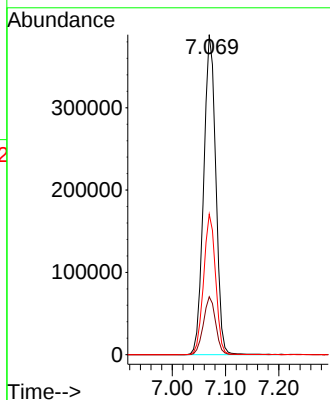
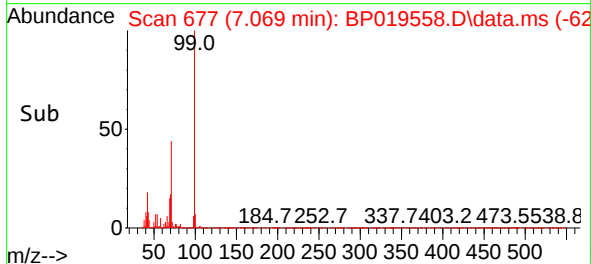
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 99 Resp: 614950
Ion Ratio Lower Upper
99 100
42 18.1 14.7 22.1
71 43.9 34.8 52.2

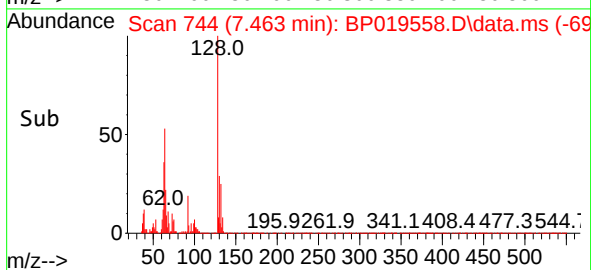
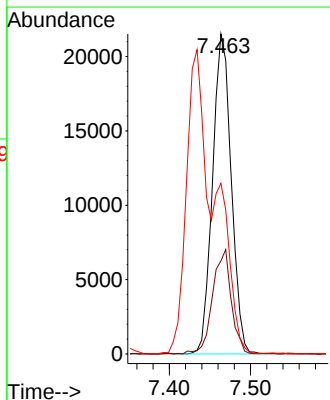
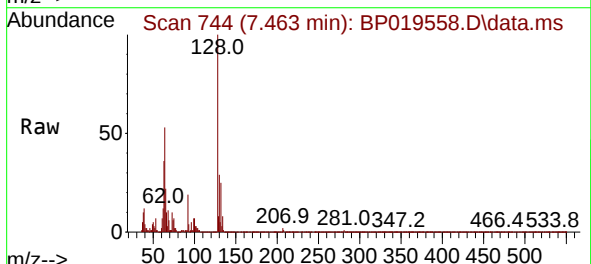
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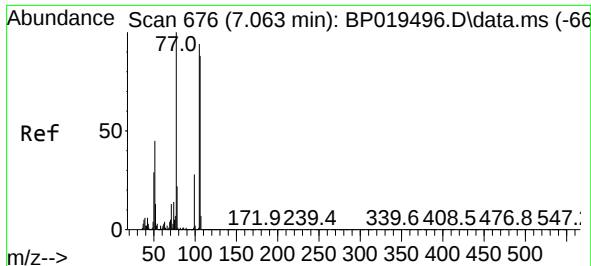
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#8
2-Chlorophenol
Concen: 7.204 ng
RT: 7.463 min Scan# 744
Delta R.T. -0.017 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:128 Resp: 34458
Ion Ratio Lower Upper
128 100
130 29.1 13.3 53.3
64 53.3 29.7 69.7





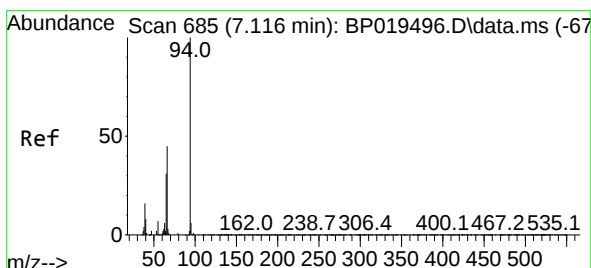
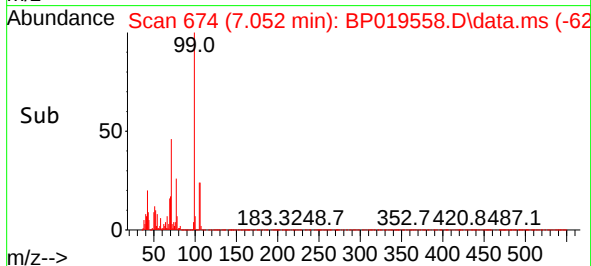
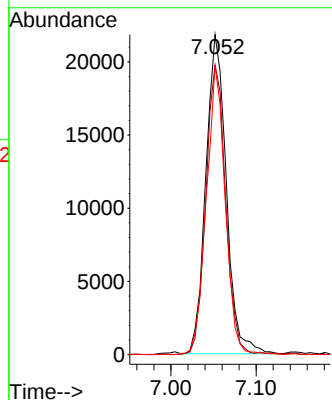
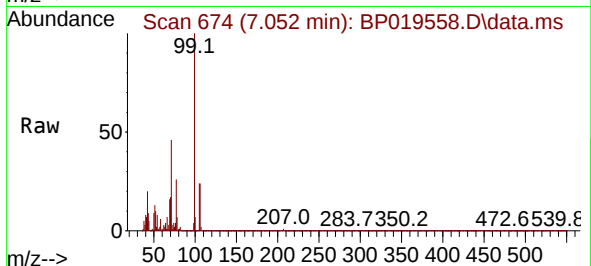
#9
Benzaldehyde
Concen: 8.235 ng
RT: 7.052 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 77 Resp: 3627
Ion Ratio Lower Upper
77 100
105 90.6 74.0 114.0
106 90.4 67.8 107.8

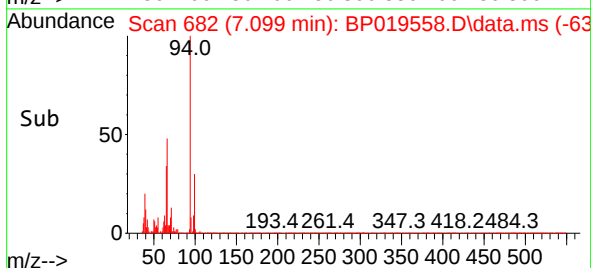
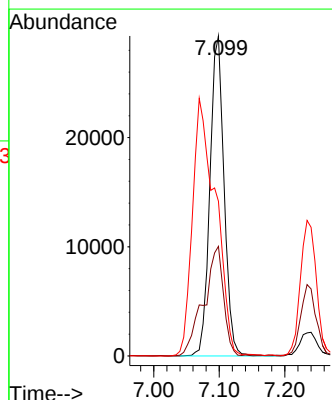
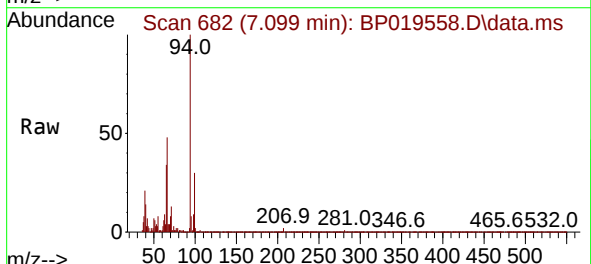
Manual Integrations
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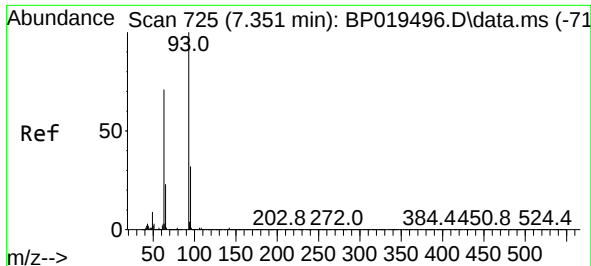
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#10
Phenol
Concen: 7.046 ng
RT: 7.099 min Scan# 682
Delta R.T. -0.017 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

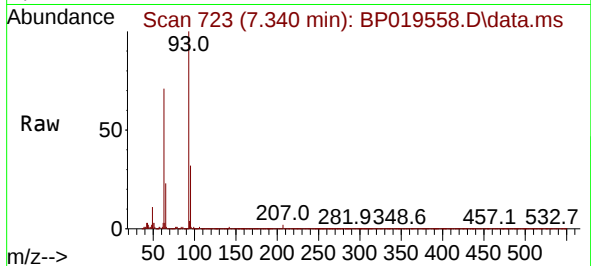
Tgt Ion: 94 Resp: 44114
Ion Ratio Lower Upper
94 100
65 34.2 11.3 51.3
66 48.3 25.1 65.1





#11
bis(2-Chloroethyl)ether
Concen: 7.365 ng
RT: 7.340 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

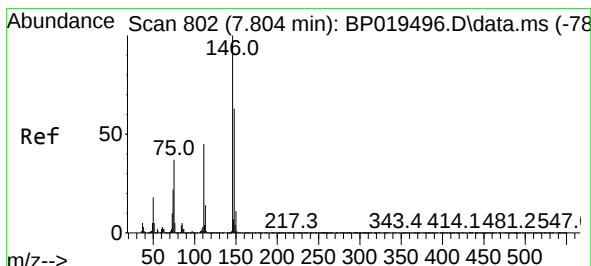
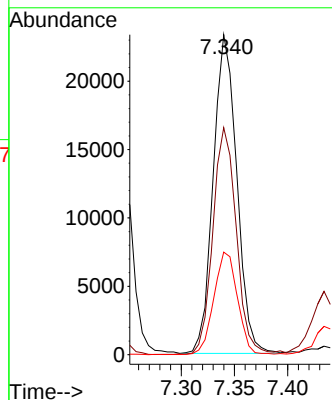
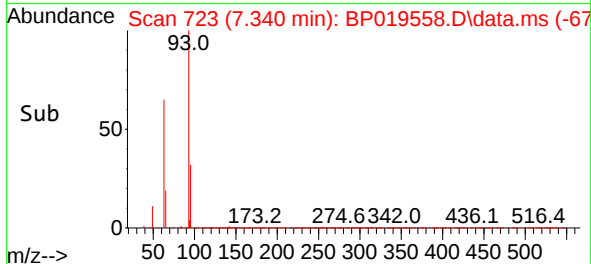
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



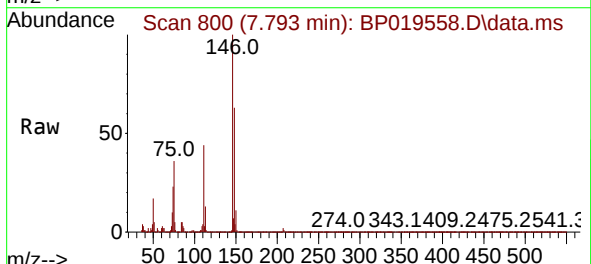
Tgt Ion: 93 Resp: 3587
Ion Ratio Lower Upper
93 100
63 71.0 51.2 91.2
95 32.1 11.8 51.8

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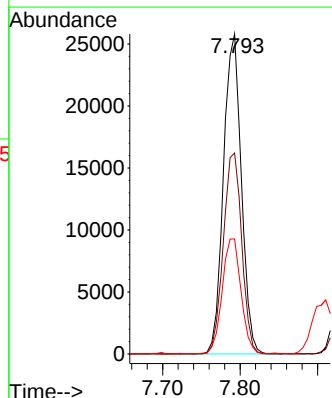
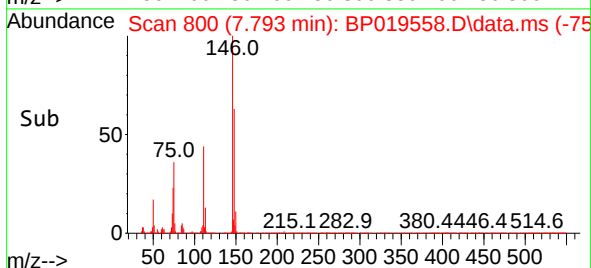
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

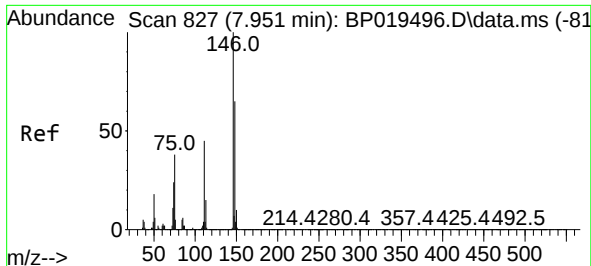


#12
1,3-Dichlorobenzene
Concen: 7.079 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14



Tgt Ion:146 Resp: 41430
Ion Ratio Lower Upper
146 100
148 62.8 50.4 75.6
75 36.0 29.9 44.9





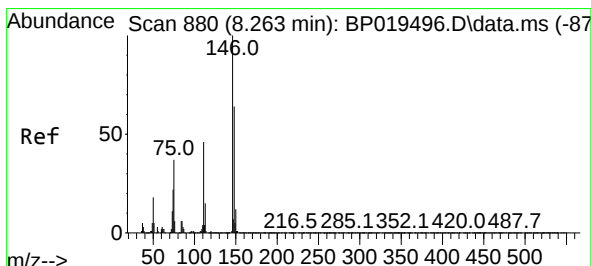
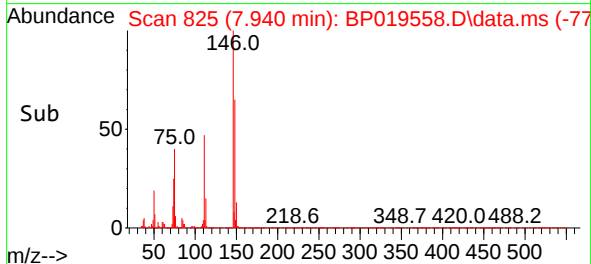
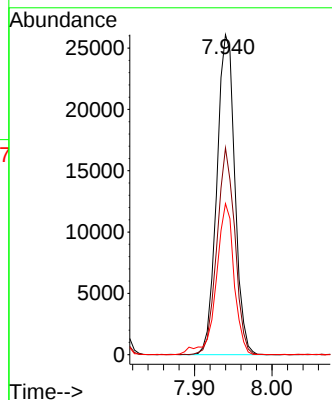
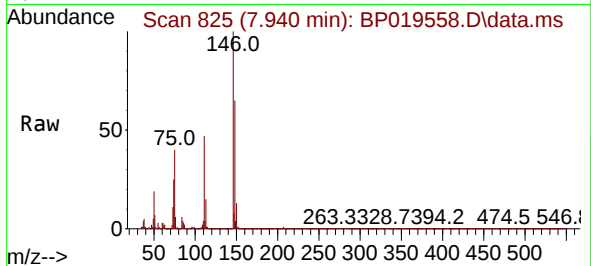
#13
1,4-Dichlorobenzene
Concen: 7.121 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:146 Resp: 42224
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
111 47.2 35.8 53.6

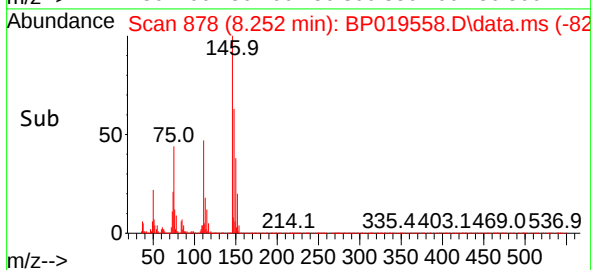
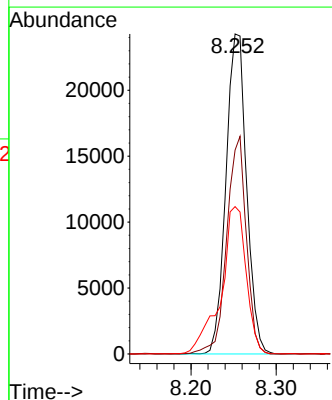
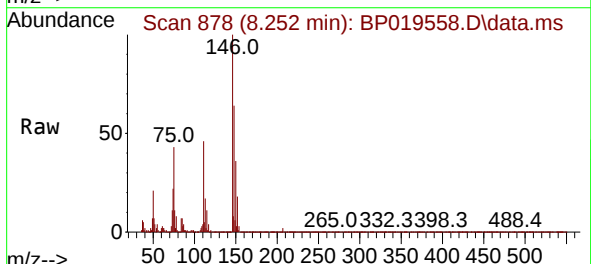
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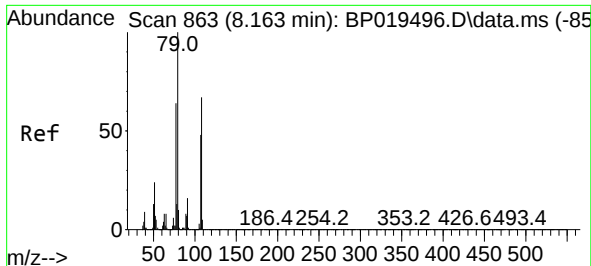
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#14
1,2-Dichlorobenzene
Concen: 7.116 ng
RT: 8.252 min Scan# 878
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:146 Resp: 40828
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.0
111 46.1 37.0 55.6





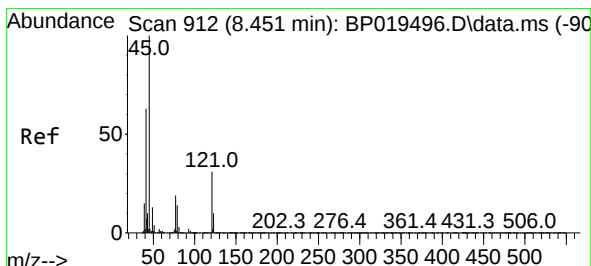
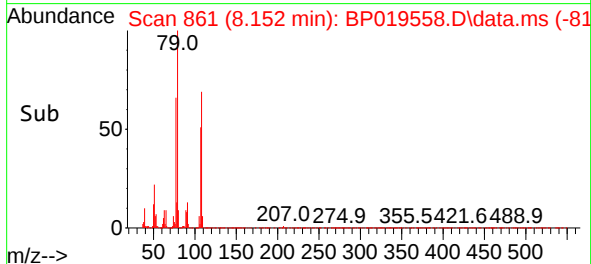
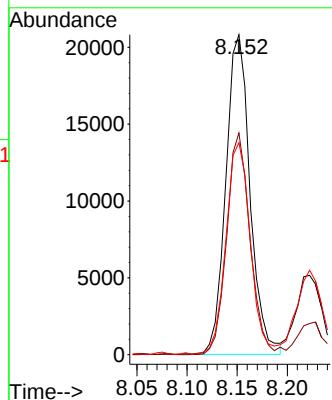
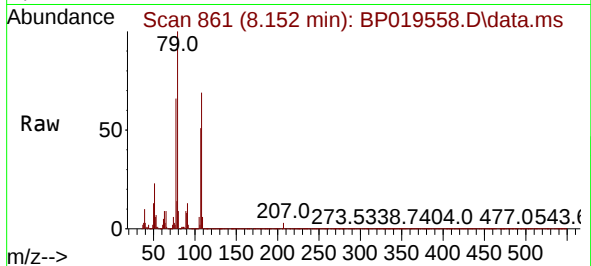
#15
Benzyl Alcohol
Concen: 6.955 ng
RT: 8.152 min Scan# 80
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 79 Resp: 3491
Ion Ratio Lower Upper
79 100
108 69.3 53.8 80.6
77 66.3 51.3 76.9

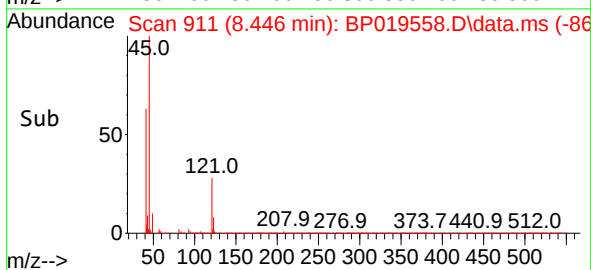
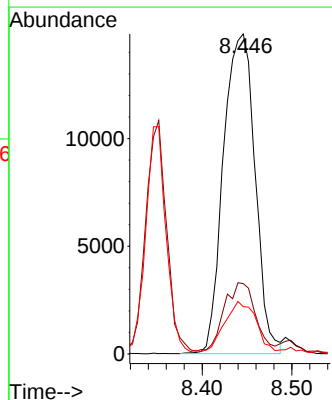
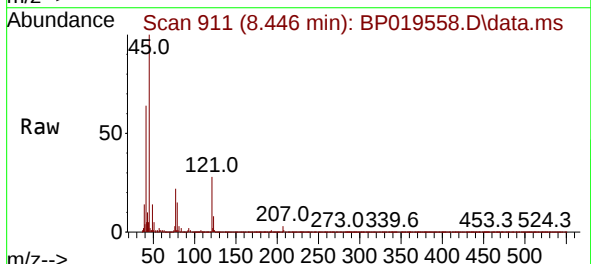
Manual Integrations
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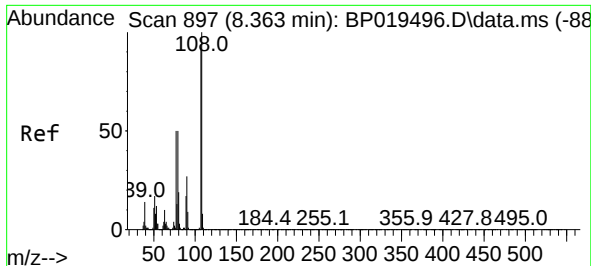
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.458 ng
RT: 8.446 min Scan# 911
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

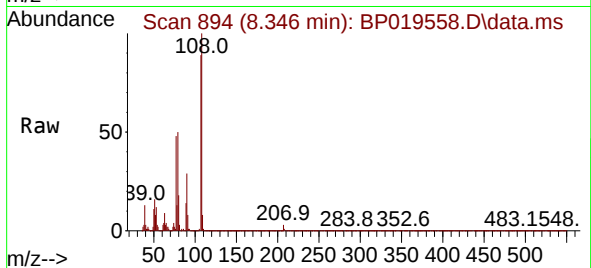
Tgt Ion: 45 Resp: 36327
Ion Ratio Lower Upper
45 100
77 22.0 0.8 40.8
79 14.8 0.0 35.5





#17
2-Methylphenol
Concen: 7.200 ng
RT: 8.346 min Scan# 897
Delta R.T. -0.017 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

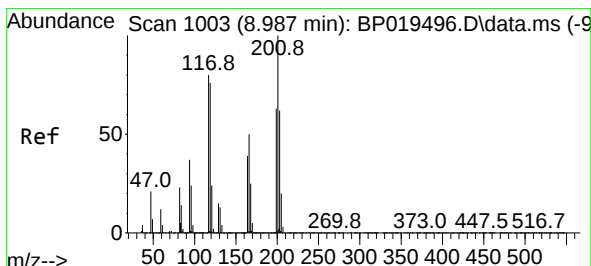
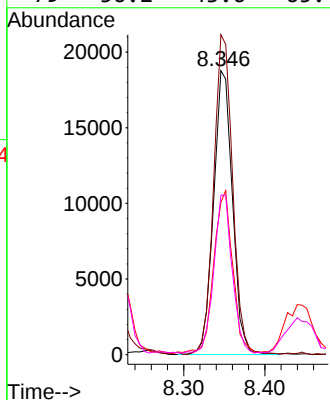
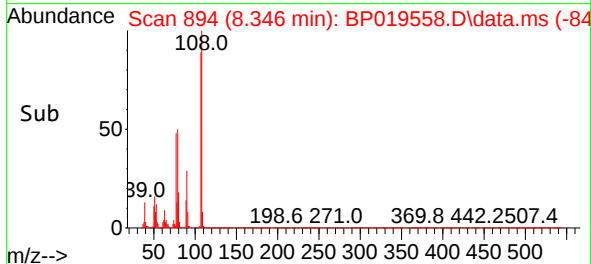
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:107 Resp: 30350
Ion Ratio Lower Upper
107 100
108 112.7 87.0 130.6
77 53.7 43.5 65.3
79 56.2 43.6 65.4

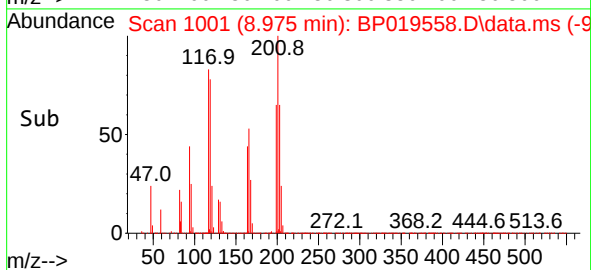
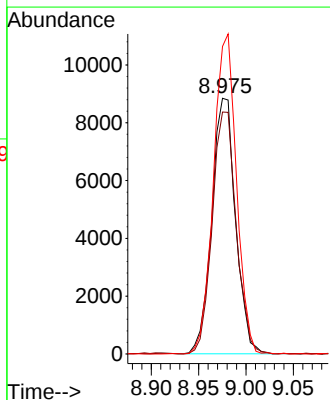
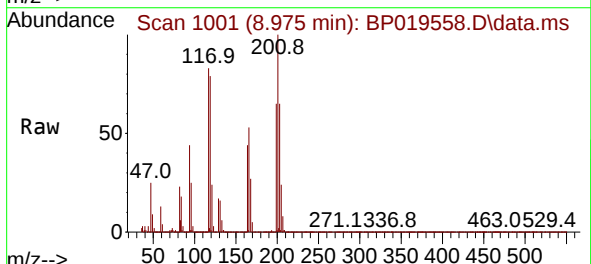
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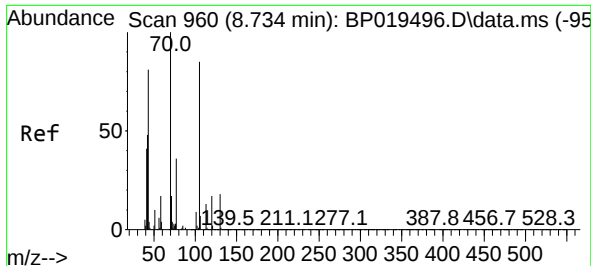
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#18
Hexachloroethane
Concen: 6.718 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:117 Resp: 15442
Ion Ratio Lower Upper
117 100
119 94.6 75.5 113.3
201 120.3 99.4 149.2





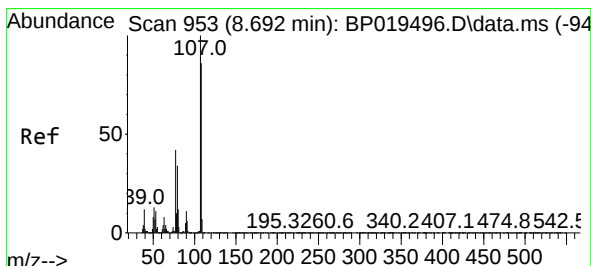
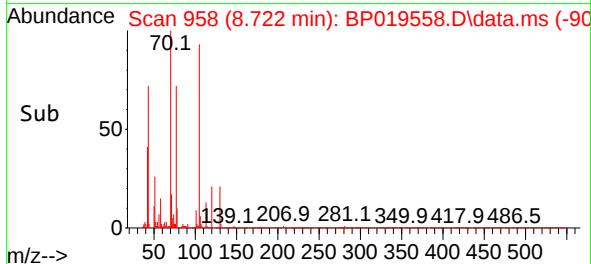
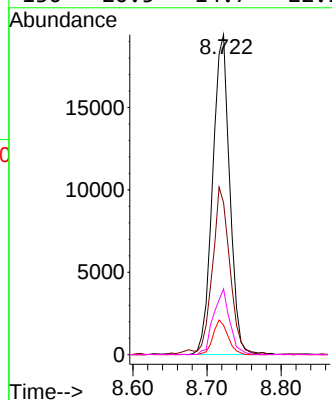
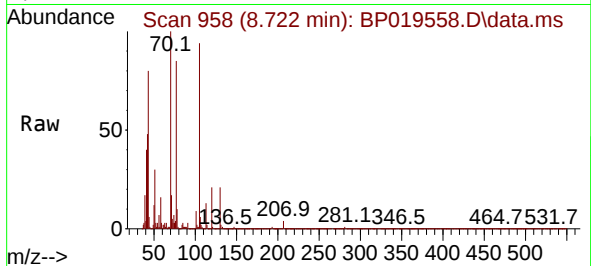
#19
n-Nitroso-di-n-propylamine
Concen: 7.249 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 70 Resp: 3110
Ion Ratio Lower Upper
70 100
42 47.5 39.2 58.8
101 9.2 7.3 10.9
130 20.5 14.7 22.1

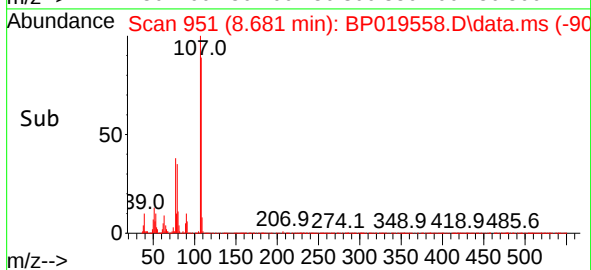
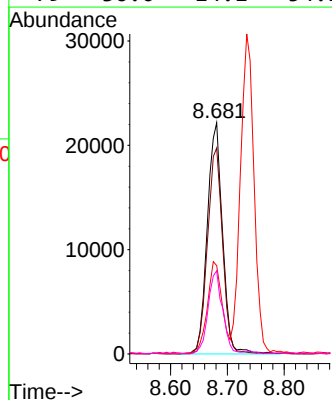
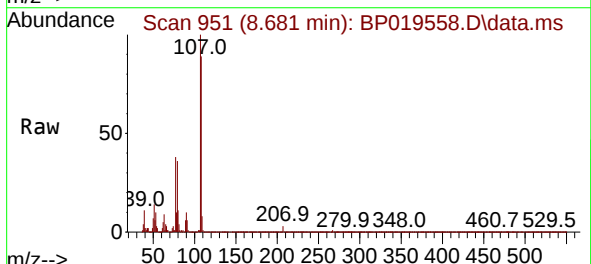
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#20
3+4-Methylphenols
Concen: 7.145 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

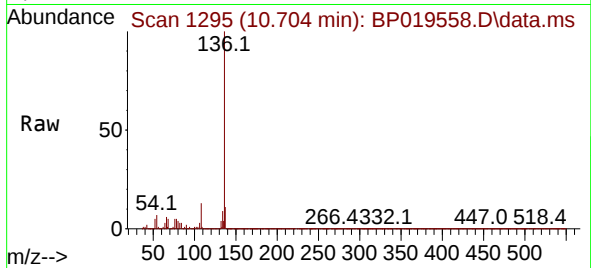
Tgt Ion:107 Resp: 41101
Ion Ratio Lower Upper
107 100
108 89.1 65.5 105.5
77 38.2 21.8 61.8
79 36.0 14.1 54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

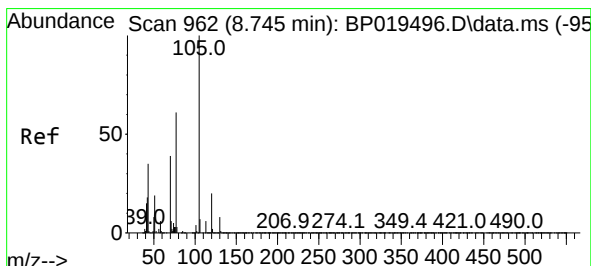
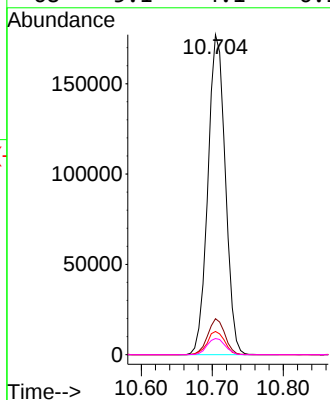
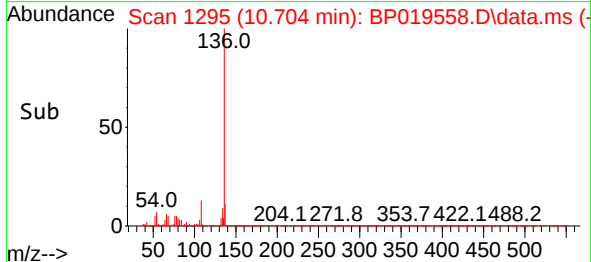
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:136 Resp: 30208
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.2 5.3 7.9
68 5.1 4.1 6.1

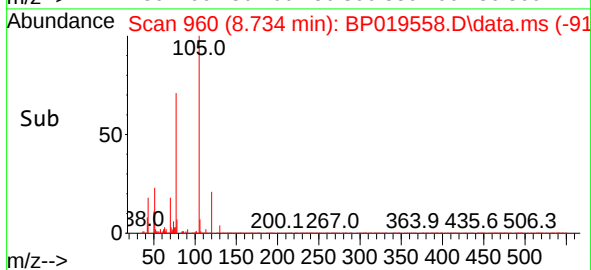
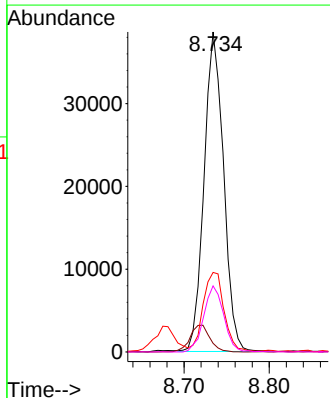
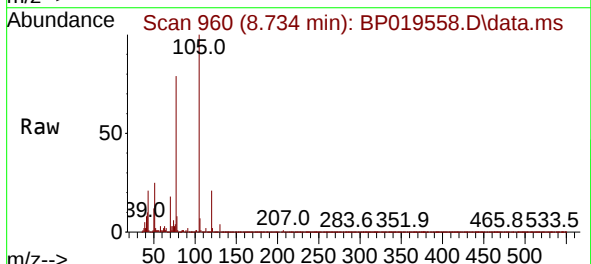
Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#22
Acetophenone
Concen: 7.127 ng
RT: 8.734 min Scan# 960
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:105 Resp: 61333
Ion Ratio Lower Upper
105 100
71 2.7 4.9 7.3#
51 24.9 20.7 31.1
120 20.7 15.8 23.8





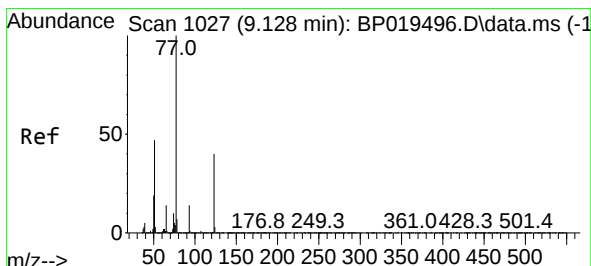
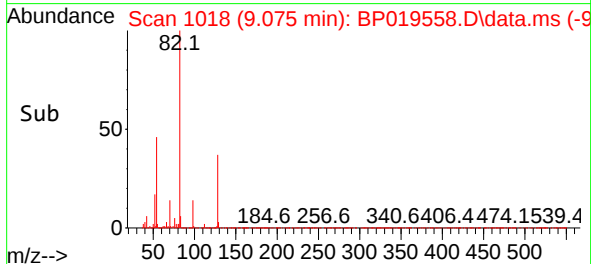
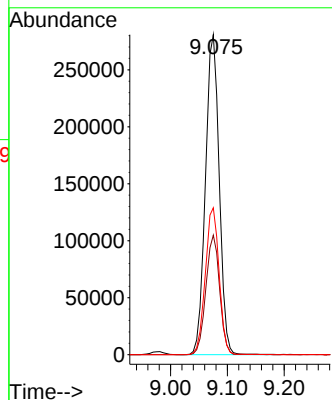
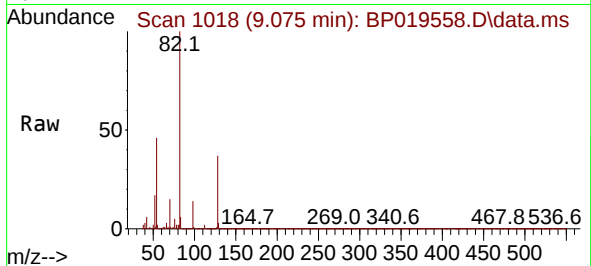
#23
Nitrobenzene-d5
Concen: 67.534 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 82 Resp: 47081
Ion Ratio Lower Upper
82 100
128 37.3 29.7 44.5
54 45.9 36.8 55.2

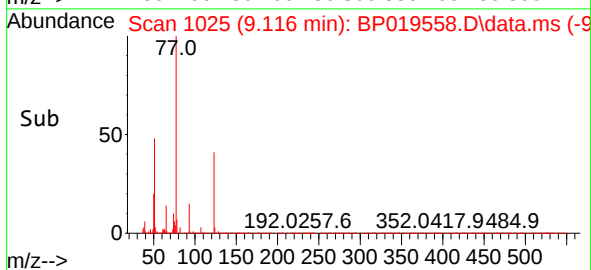
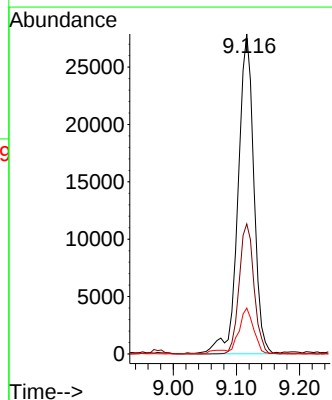
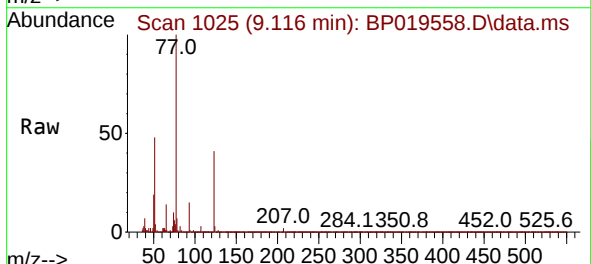
Manual Integrations
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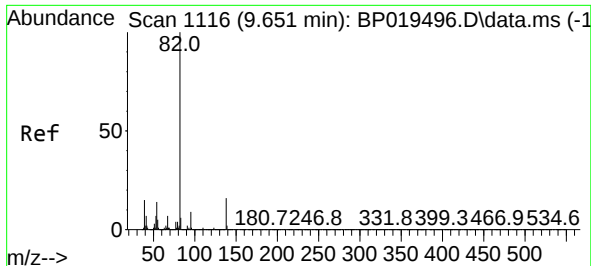
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#24
Nitrobenzene
Concen: 6.907 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion: 77 Resp: 48481
Ion Ratio Lower Upper
77 100
123 40.6 32.3 48.5
65 14.4 11.6 17.4





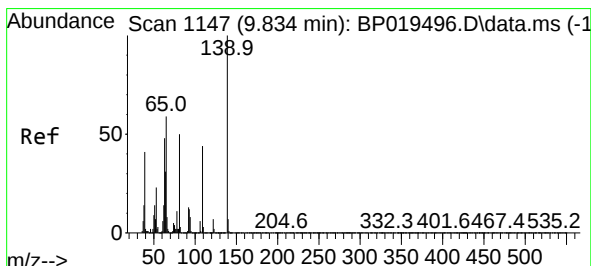
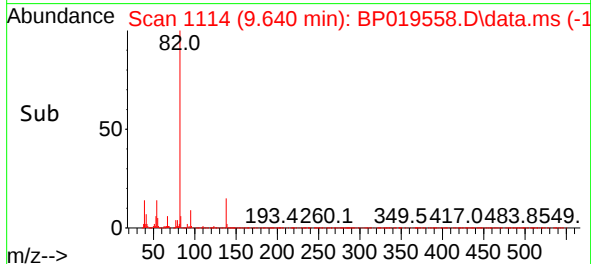
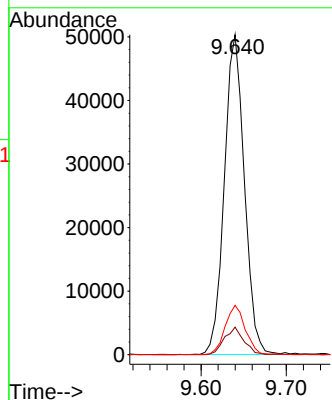
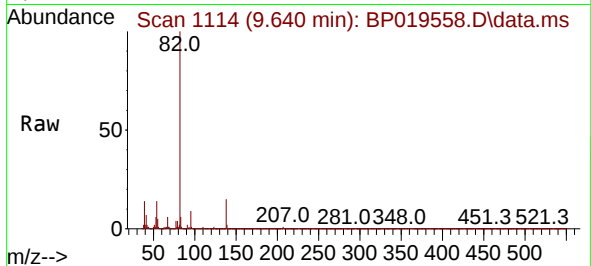
#25
Isophorone
Concen: 6.774 ng
RT: 9.640 min Scan# 1116
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 82	Resp: 8224
Ion Ratio	Lower Upper
82 100	
95 8.6	7.0 10.4
138 15.4	13.1 19.7

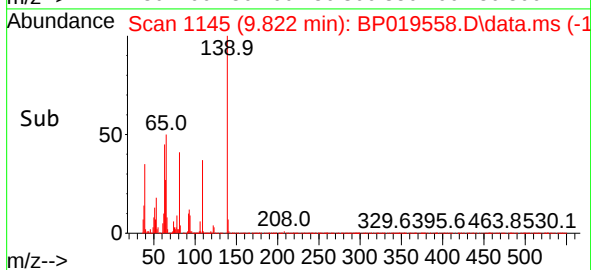
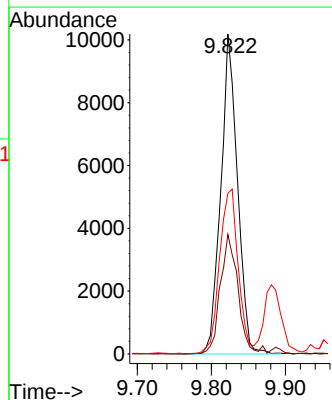
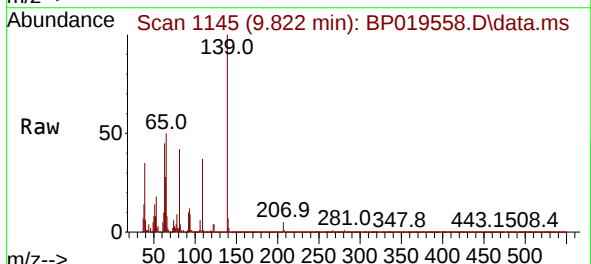
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#26
2-Nitrophenol
Concen: 5.956 ng
RT: 9.822 min Scan# 1145
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

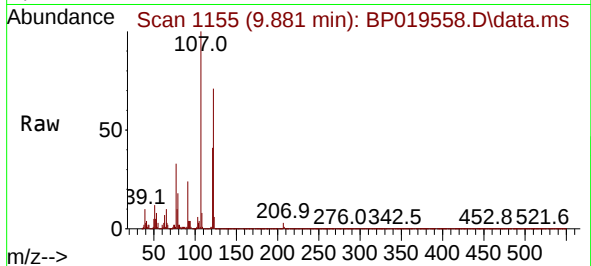
Tgt Ion:139	Resp: 15941
Ion Ratio	Lower Upper
139 100	
109 37.4	34.9 52.3
65 50.2	47.5 71.3





#27
2,4-Dimethylphenol
Concen: 7.881 ng
RT: 9.881 min Scan# 1158
Delta R.T. -0.017 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

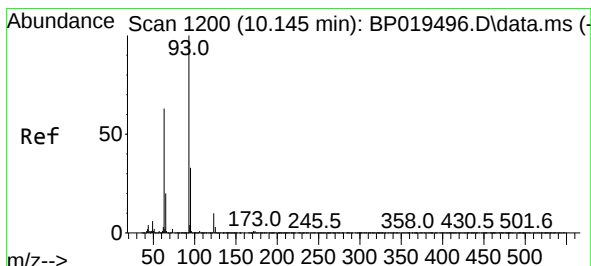
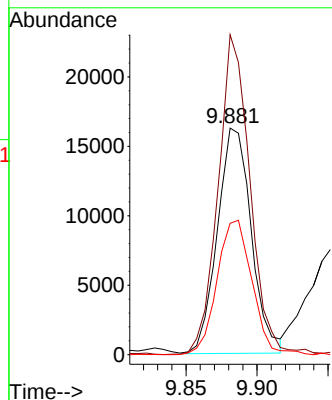
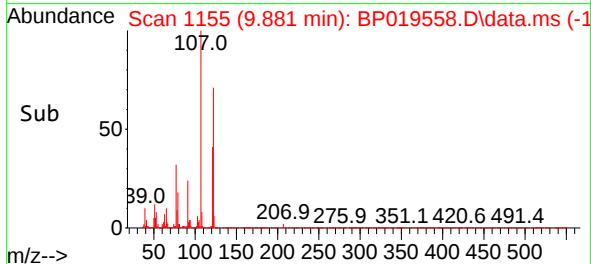
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:122 Resp: 26970
Ion Ratio Lower Upper
122 100
107 141.3 105.9 158.9
121 58.0 47.5 71.3

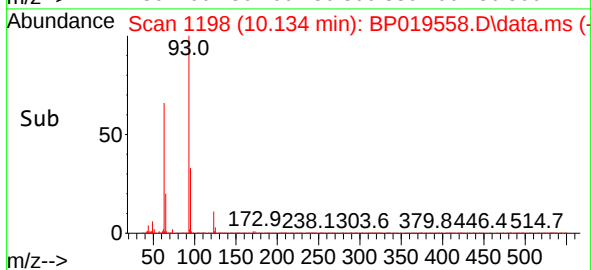
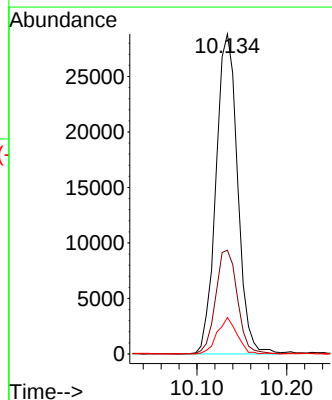
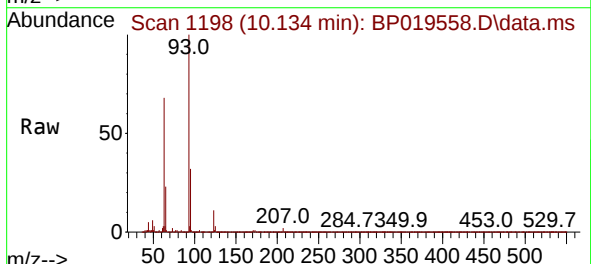
Manual Integrations
APPROVED

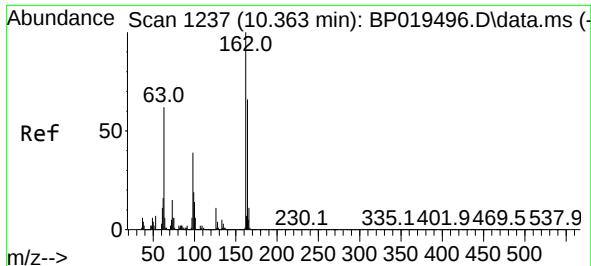
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#28
bis(2-Chloroethoxy)methane
Concen: 7.016 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion: 93 Resp: 48196
Ion Ratio Lower Upper
93 100
95 32.4 26.2 39.4
123 11.4 8.5 12.7





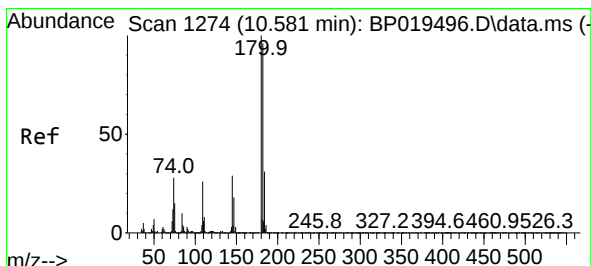
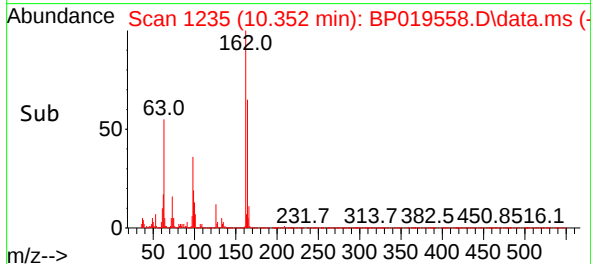
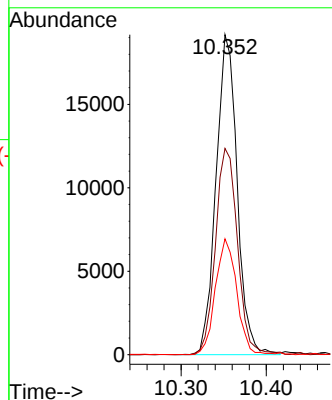
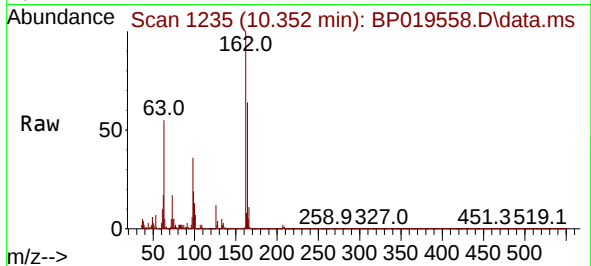
#29
2,4-Dichlorophenol
Concen: 6.387 ng
RT: 10.352 min Scan# 1235
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:162 Resp: 3304
Ion Ratio Lower Upper
162 100
164 64.4 46.0 86.0
98 36.2 18.7 58.7

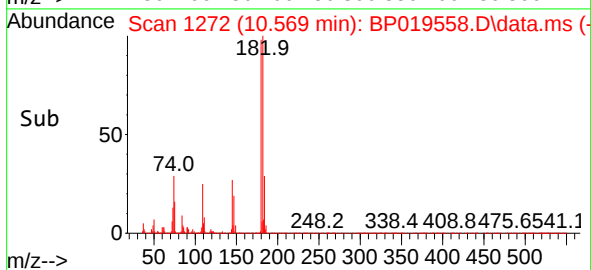
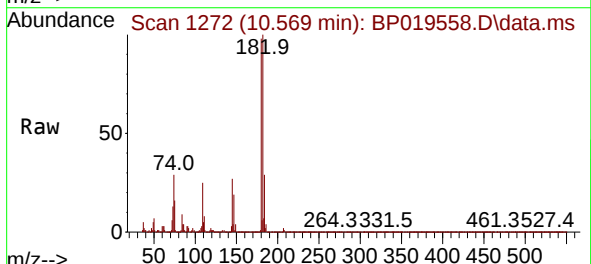
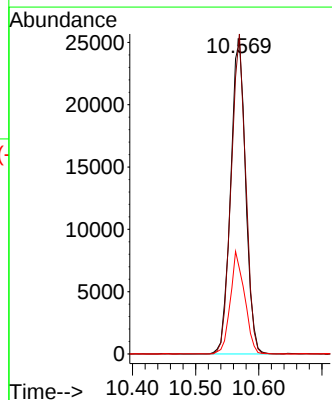
Manual Integrations
APPROVED

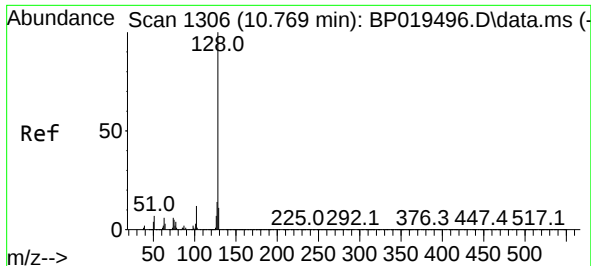
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#30
1,2,4-Trichlorobenzene
Concen: 6.555 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

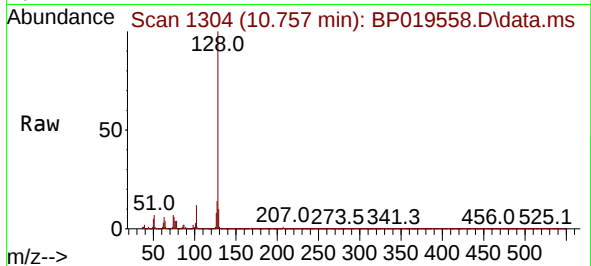
Tgt Ion:180 Resp: 41579
Ion Ratio Lower Upper
180 100
182 102.4 77.0 115.6
145 27.3 23.2 34.8





#31
Naphthalene
Concen: 6.737 ng
RT: 10.757 min Scan# 1167
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

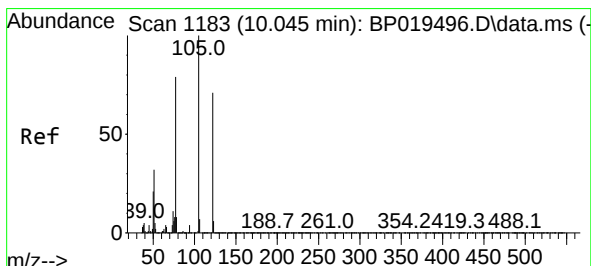
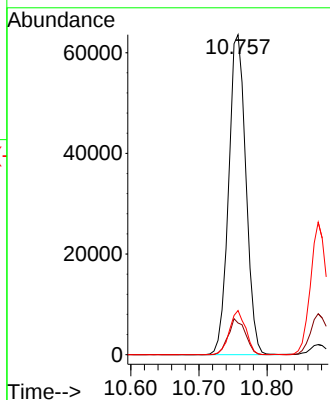
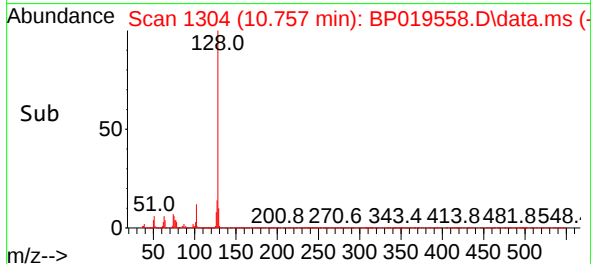
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:128 Resp: 11161
Ion Ratio Lower Upper
128 100
129 9.9 8.6 13.0
127 13.8 10.8 16.2

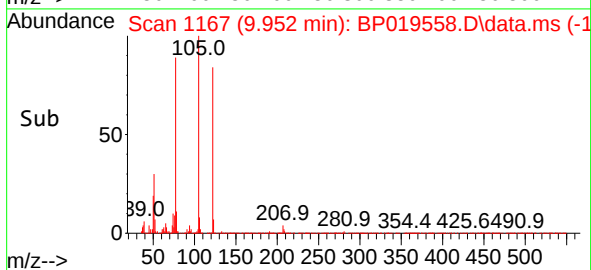
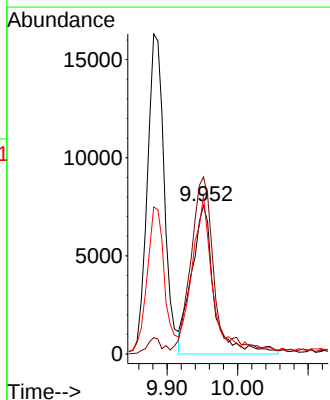
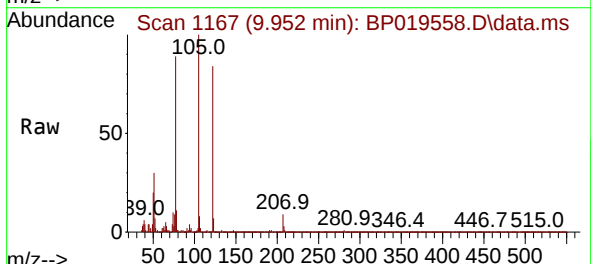
Manual Integrations
APPROVED

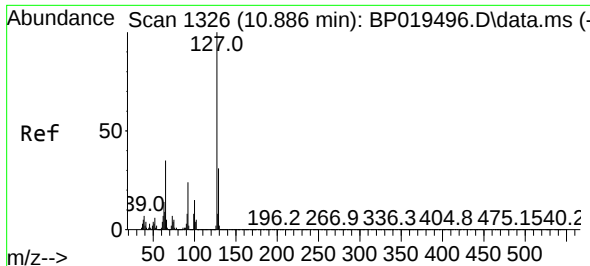
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#32
Benzoic acid
Concen: 4.986 ng m
RT: 9.952 min Scan# 1167
Delta R.T. -0.094 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:122 Resp: 16626
Ion Ratio Lower Upper
122 100
105 119.2 118.8 158.8
77 106.2 91.7 131.7





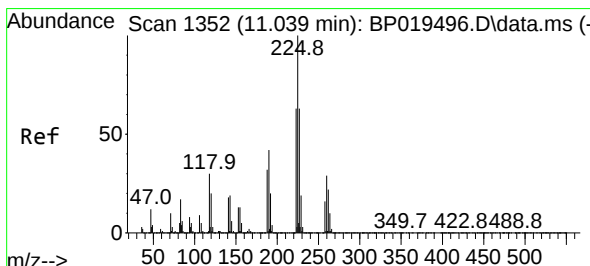
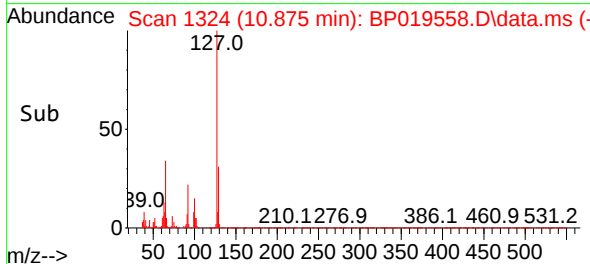
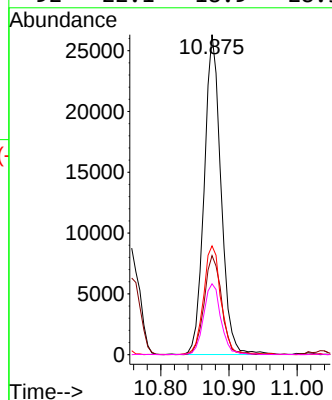
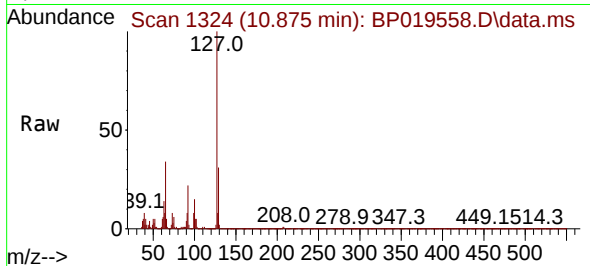
#33
4-Chloroaniline
Concen: 7.353 ng
RT: 10.875 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	127	Resp:	4505
Ion Ratio	Lower	Upper	
127	100		
129	31.0	24.6	36.8
65	34.0	28.2	42.4
92	22.1	18.9	28.3

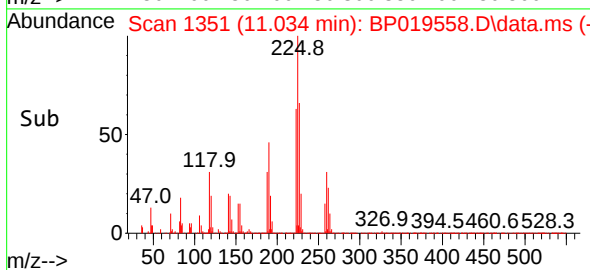
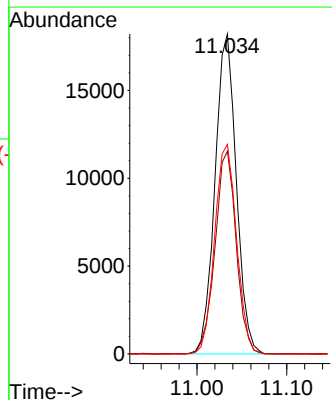
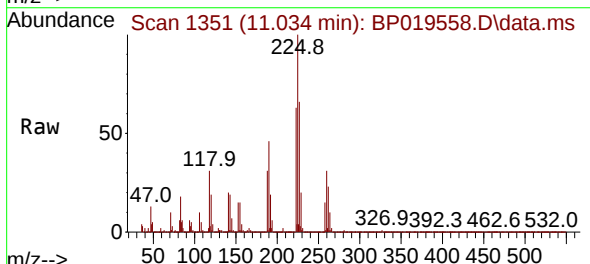
Manual Integrations
APPROVED

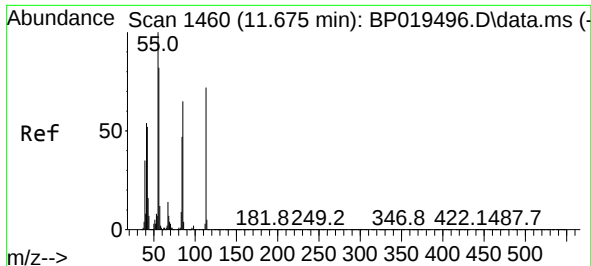
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#34
Hexachlorobutadiene
Concen: 6.388 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

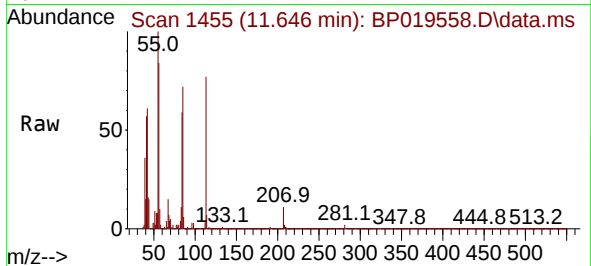
Tgt Ion:	225	Resp:	30028
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.5	75.7
227	65.5	50.2	75.2





#35
Caprolactam
Concen: 5.631 ng
RT: 11.646 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

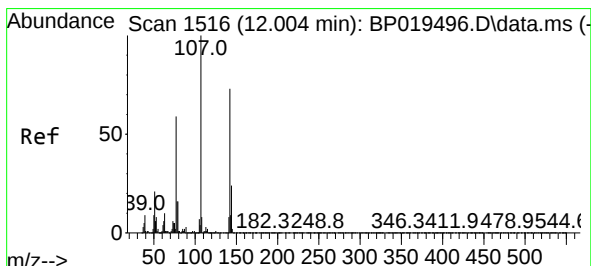
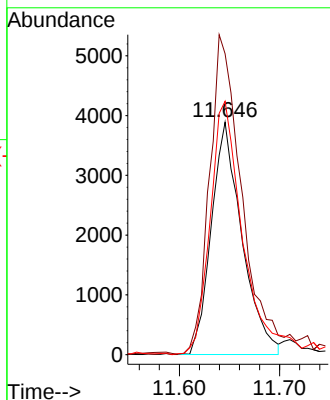
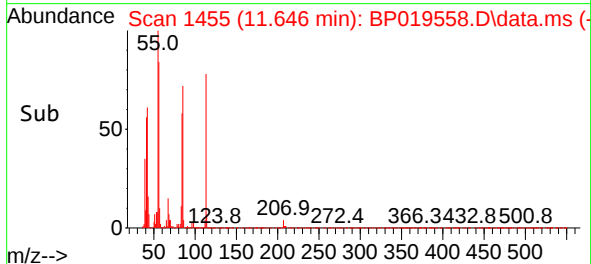
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



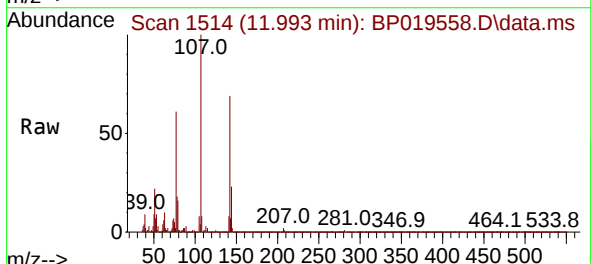
Tgt Ion:113 Resp: 824
Ion Ratio Lower Upper
113 100
55 129.4 120.0 160.0
56 109.0 94.0 134.0

Manual Integrations
APPROVED

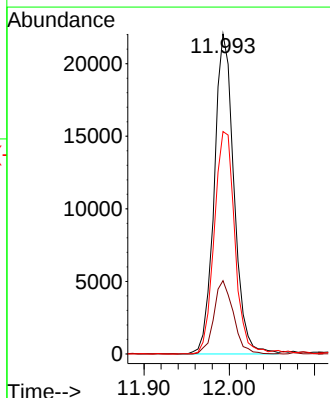
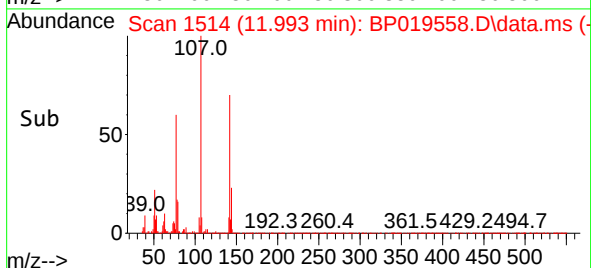
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

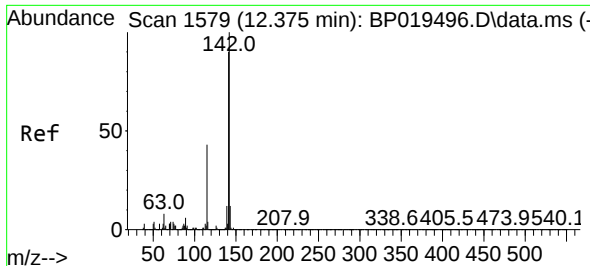


#36
4-Chloro-3-methylphenol
Concen: 6.288 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14



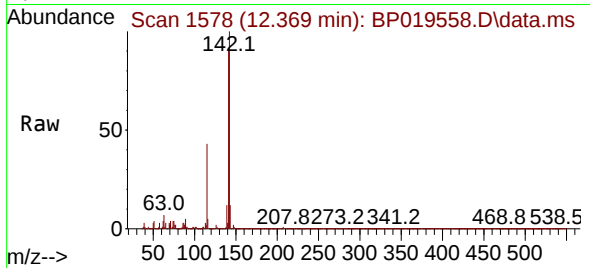
Tgt Ion:107 Resp: 35471
Ion Ratio Lower Upper
107 100
144 22.9 19.0 28.4
142 69.5 58.6 88.0





#37
2-Methylnaphthalene
Concen: 6.779 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

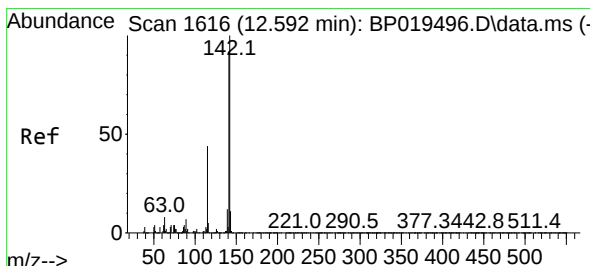
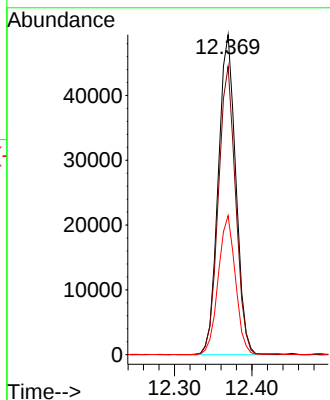
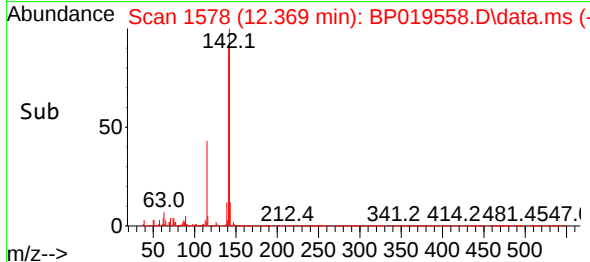
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



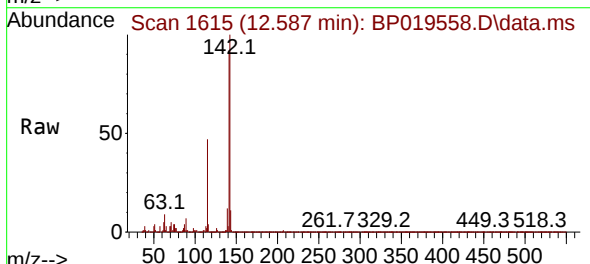
Tgt Ion:142 Resp: 77725
Ion Ratio Lower Upper
142 100
141 90.1 72.2 108.4
115 43.5 34.2 51.2

Manual Integrations
APPROVED

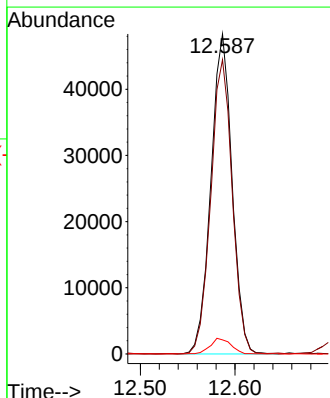
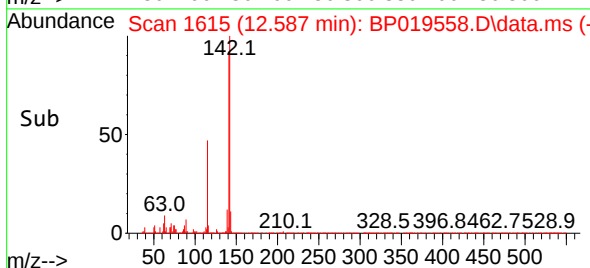
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

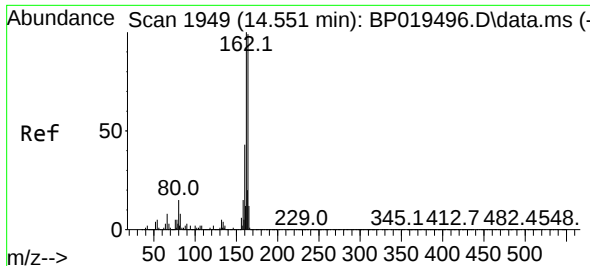


#38
1-Methylnaphthalene
Concen: 6.671 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14



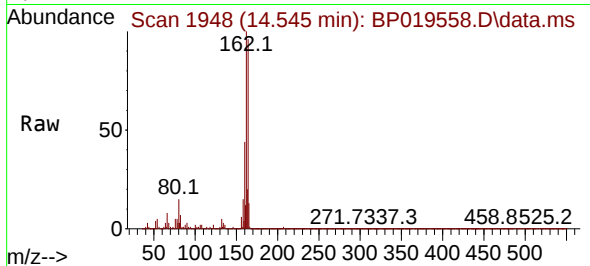
Tgt Ion:142 Resp: 75167
Ion Ratio Lower Upper
142 100
141 91.9 74.0 111.0
116 4.4 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 194020
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

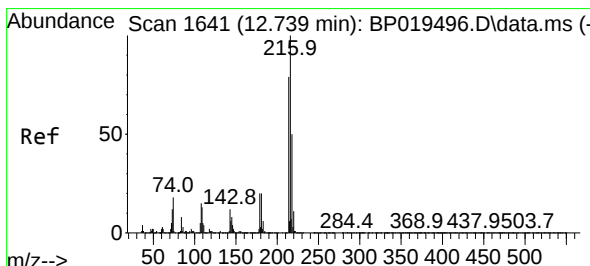
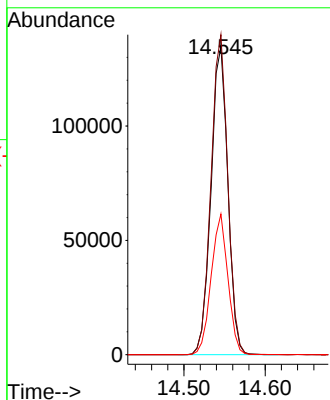
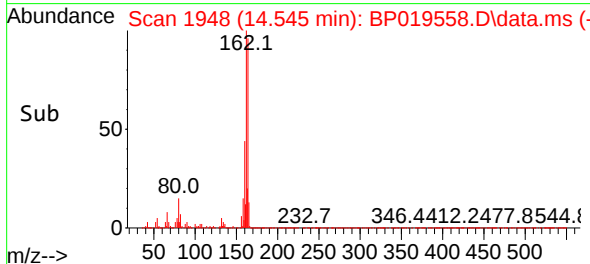
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



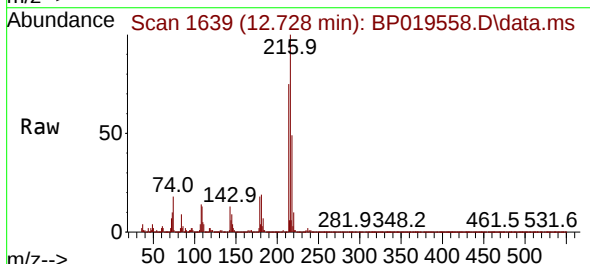
Tgt Ion:164 Resp: 194020
Ion Ratio Lower Upper
164 100
162 103.9 81.2 121.8
160 45.7 35.1 52.7

Manual Integrations
APPROVED

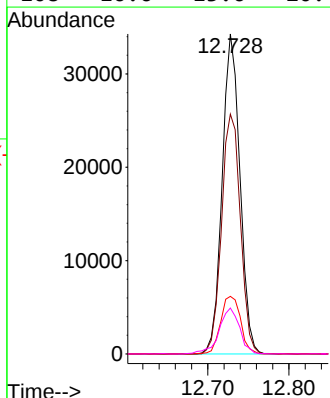
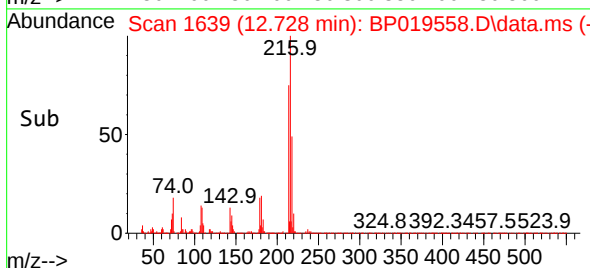
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

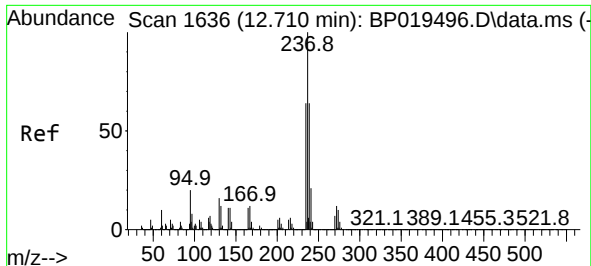


#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.982 ng
RT: 12.728 min Scan# 1639
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14



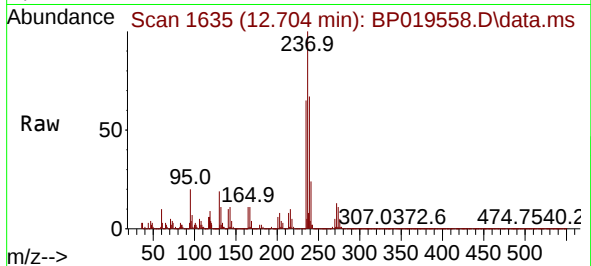
Tgt Ion:216 Resp: 52241
Ion Ratio Lower Upper
216 100
214 79.3 62.8 94.2
179 20.2 16.6 24.8
108 16.6 13.6 20.4





#41
Hexachlorocyclopentadiene
Concen: 8.382 ng
RT: 12.704 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

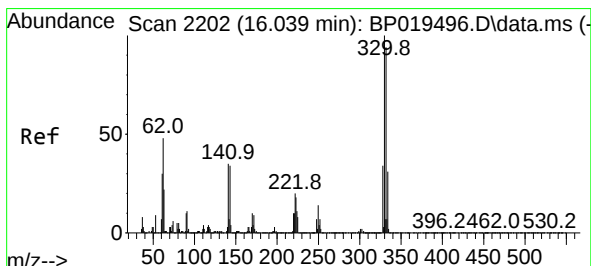
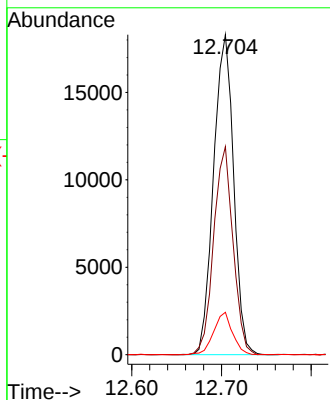
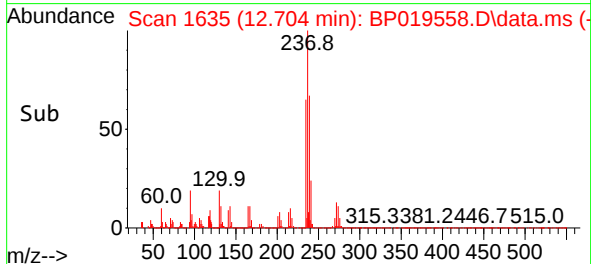
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 237 Resp: 2833
Ion Ratio Lower Upper
237 100
235 65.0 43.7 83.7
272 13.3 0.0 32.4

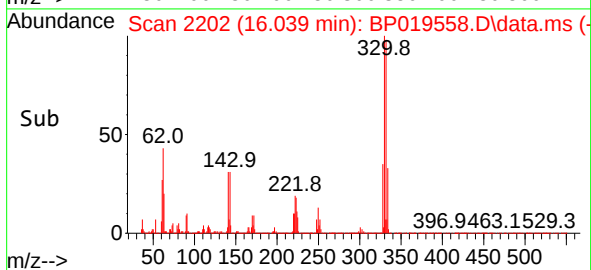
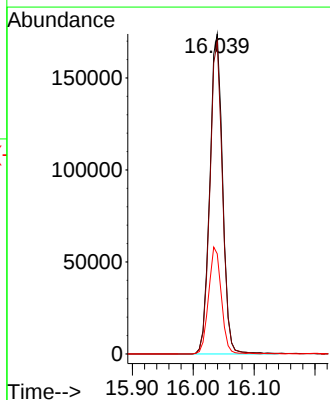
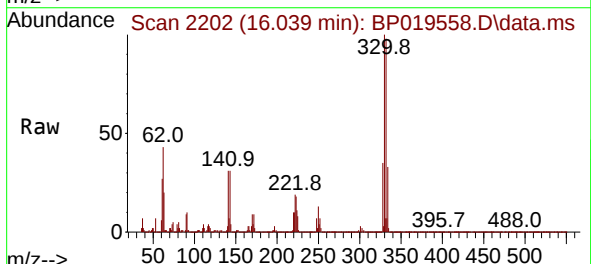
Manual Integrations
APPROVED

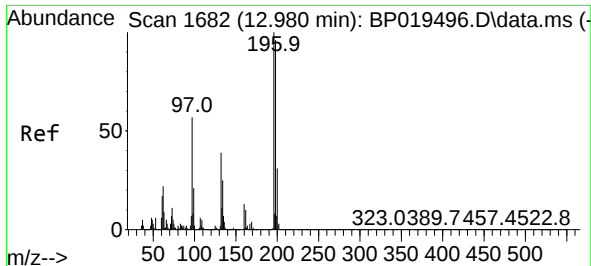
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#42
2,4,6-Tribromophenol
Concen: 89.720 ng
RT: 16.039 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

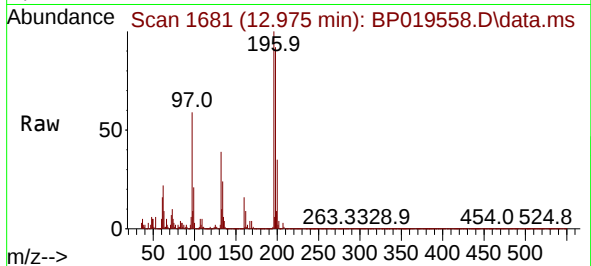
Tgt Ion: 330 Resp: 254162
Ion Ratio Lower Upper
330 100
332 96.1 77.2 115.8
141 33.2 27.0 40.4





#43
2,4,6-Trichlorophenol
Concen: 6.060 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

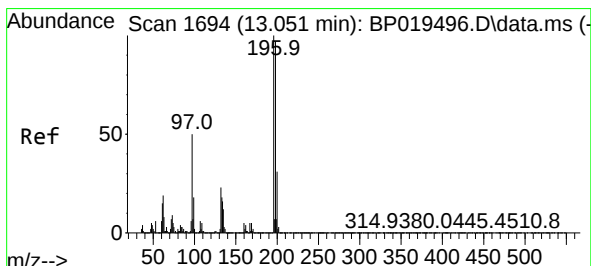
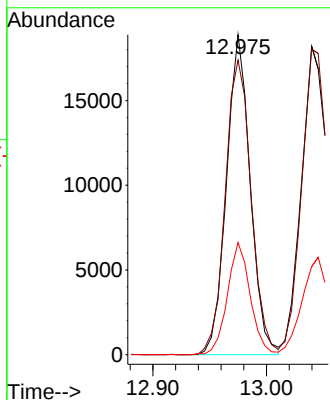
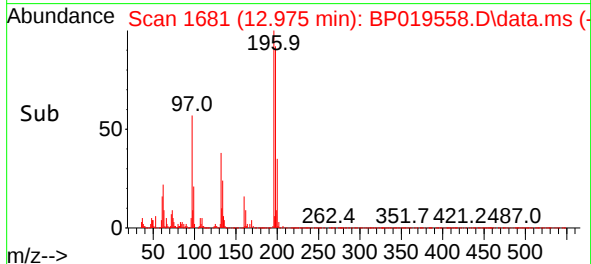
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:196 Resp: 27458
Ion Ratio Lower Upper
196 100
198 92.0 76.7 115.1
200 35.1 24.6 36.8

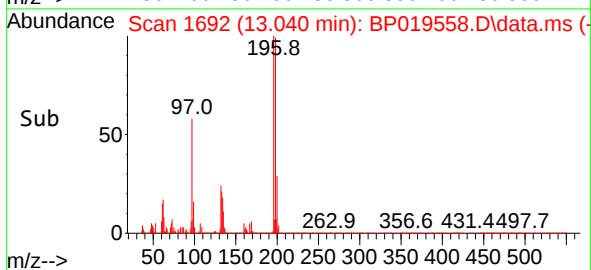
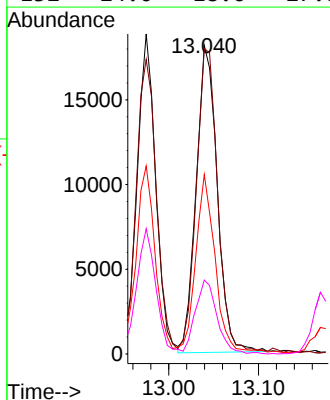
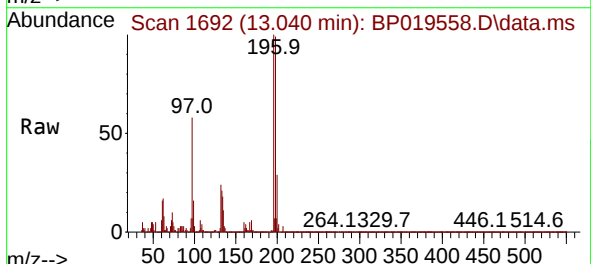
Manual Integrations
APPROVED

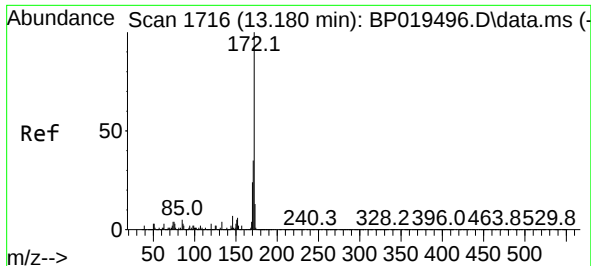
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#44
2,4,5-Trichlorophenol
Concen: 5.958 ng
RT: 13.040 min Scan# 1692
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

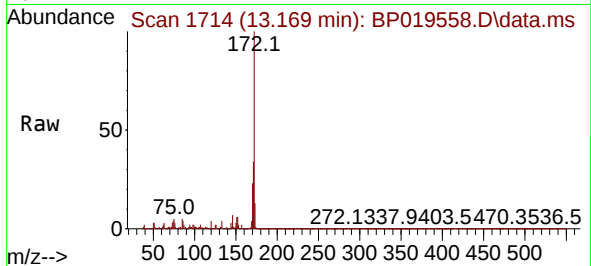
Tgt Ion:196 Resp: 29642
Ion Ratio Lower Upper
196 100
198 99.0 77.5 116.3
97 58.2 39.9 59.9
132 24.0 18.6 27.8





#45
2-Fluorobiphenyl
Concen: 67.835 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

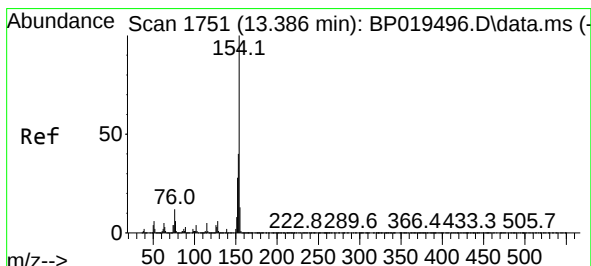
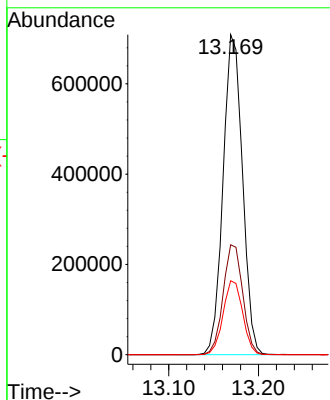
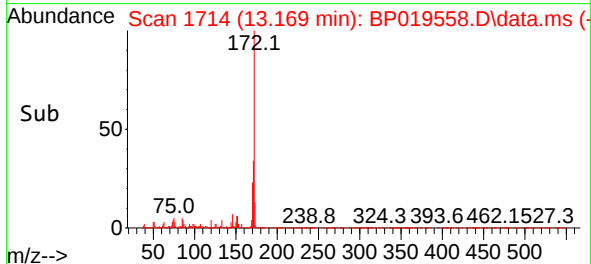
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



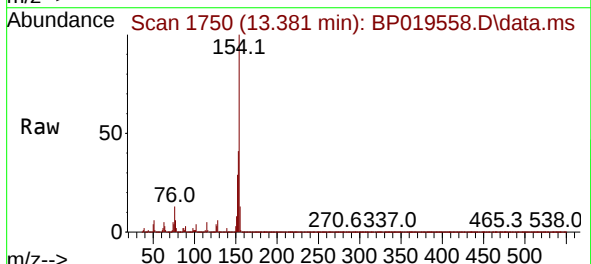
Tgt Ion:172 Resp: 106464
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 23.1 18.9 28.3

Manual Integrations
APPROVED

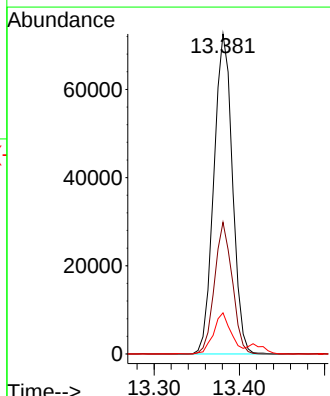
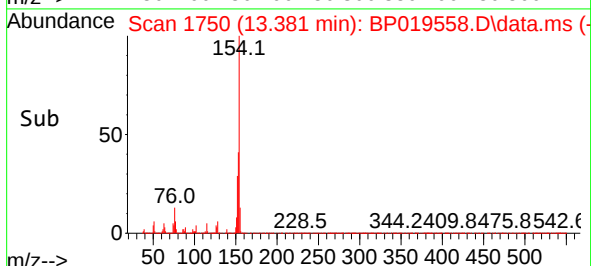
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

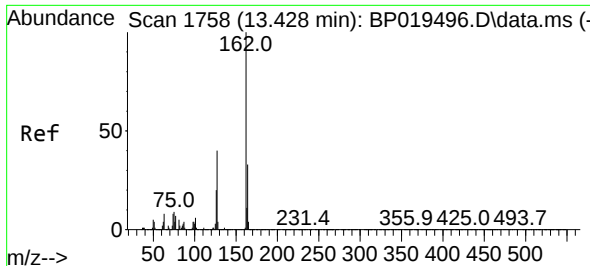


#46
1,1'-Biphenyl
Concen: 7.093 ng
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14



Tgt Ion:154 Resp: 109833
Ion Ratio Lower Upper
154 100
153 41.2 20.2 60.2
76 12.9 0.0 31.6





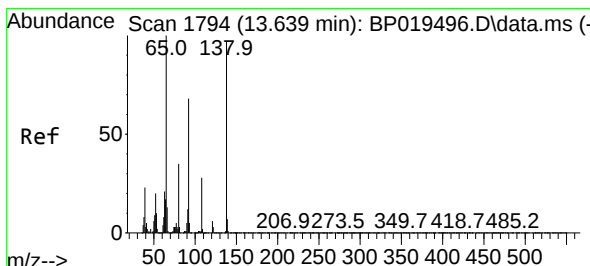
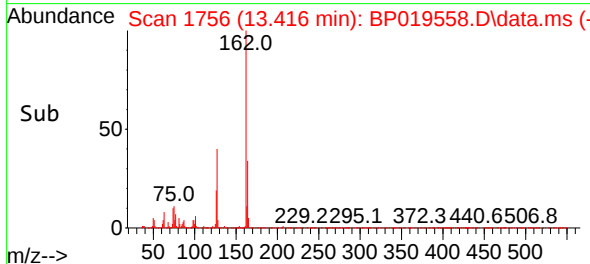
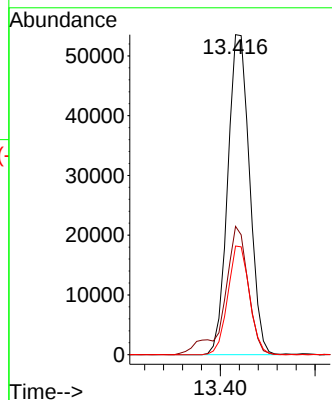
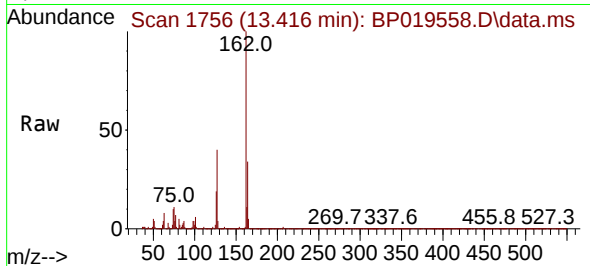
#47
2-Chloronaphthalene
Concen: 6.742 ng
RT: 13.416 min Scan# 1756
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:162 Resp: 85708
Ion Ratio Lower Upper
162 100
127 40.1 32.1 48.1
164 34.0 26.7 40.1

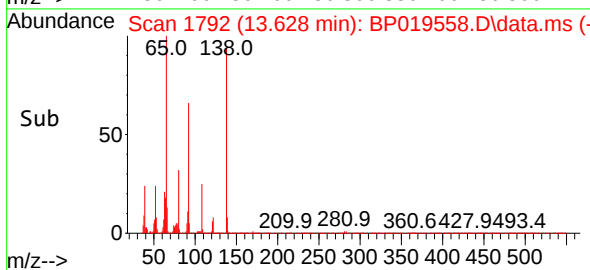
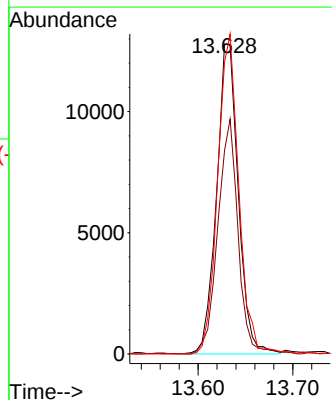
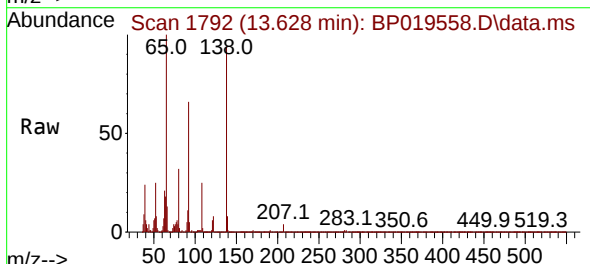
Manual Integrations
APPROVED

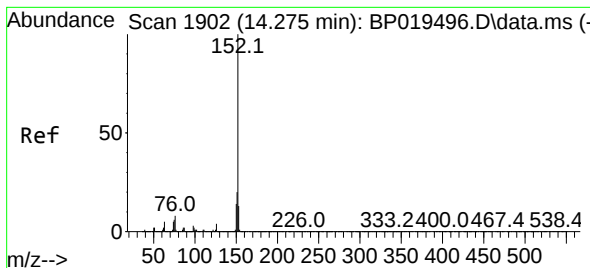
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#48
2-Nitroaniline
Concen: 5.748 ng
RT: 13.628 min Scan# 1792
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion: 65 Resp: 20431
Ion Ratio Lower Upper
65 100
92 65.5 54.7 82.1
138 94.0 77.8 116.6





#49

Acenaphthylene

Concen: 7.311 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019558.D

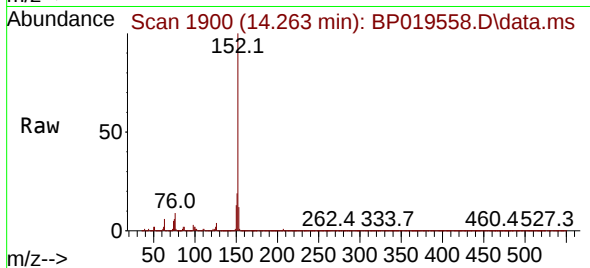
Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

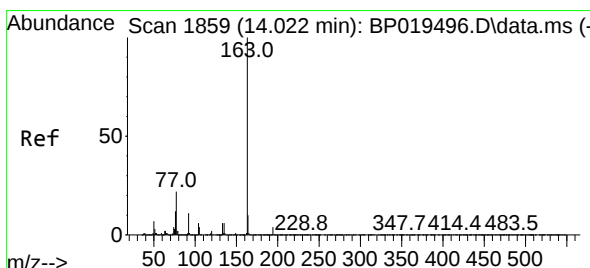
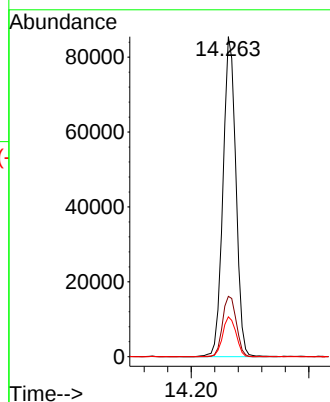
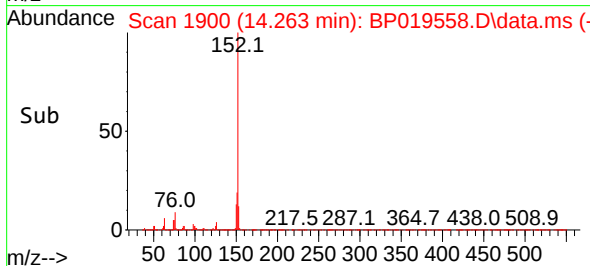


Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.8	23.6
153	12.5	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#50

Dimethylphthalate

Concen: 6.727 ng

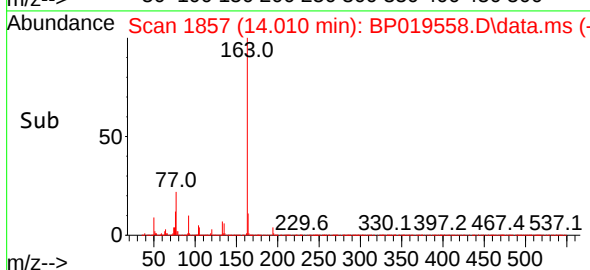
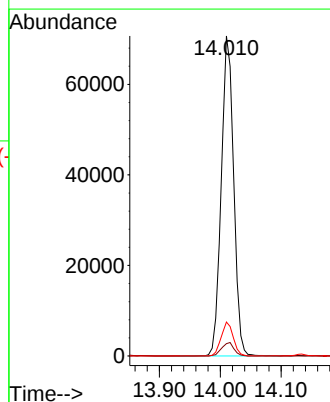
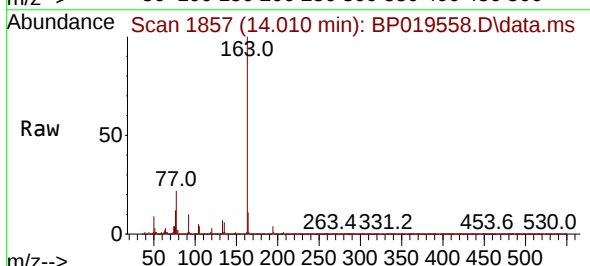
RT: 14.010 min Scan# 1857

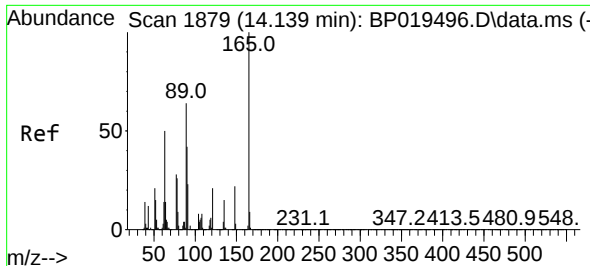
Delta R.T. -0.011 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.6	7.8	11.6





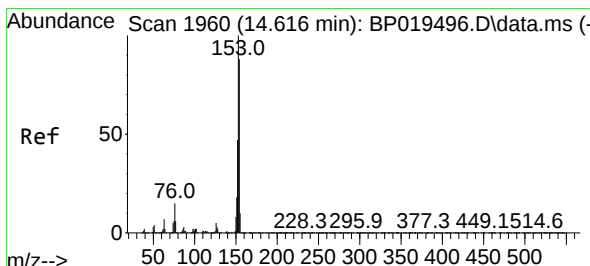
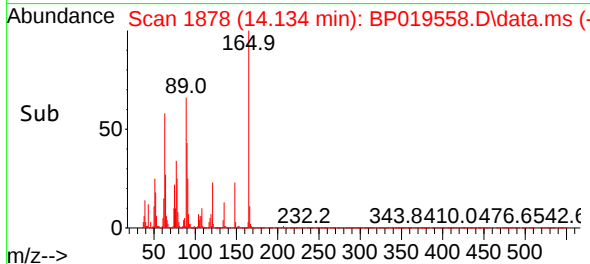
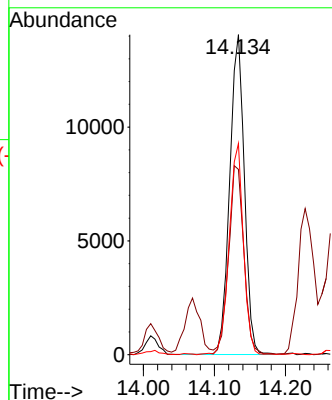
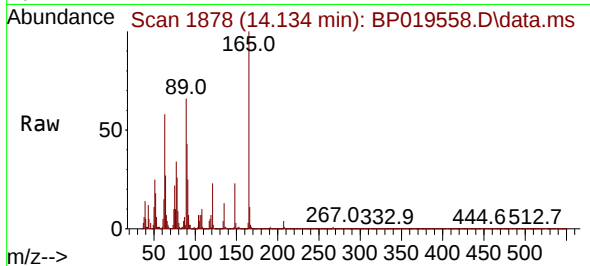
#51
2,6-Dinitrotoluene
Concen: 6.176 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:165 Resp: 2015
Ion Ratio Lower Upper
165 100
63 57.9 50.4 75.6
89 66.0 51.7 77.5

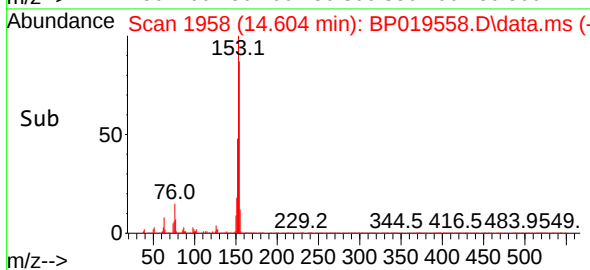
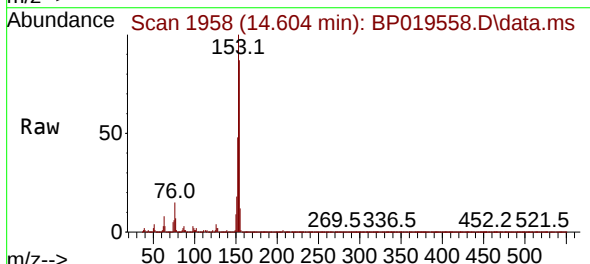
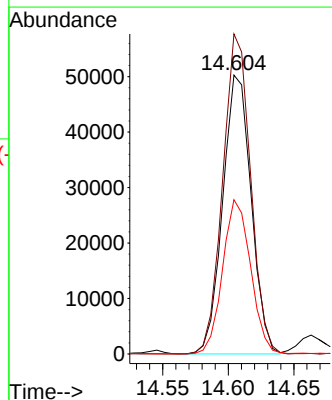
Manual Integrations
APPROVED

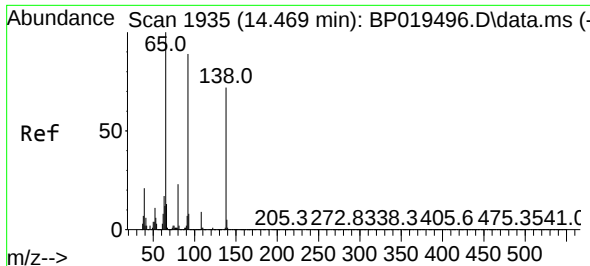
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#52
Acenaphthene
Concen: 6.858 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:154 Resp: 75911
Ion Ratio Lower Upper
154 100
153 114.8 90.5 135.7
152 55.3 42.1 63.1





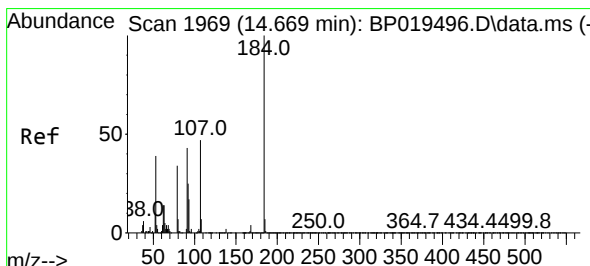
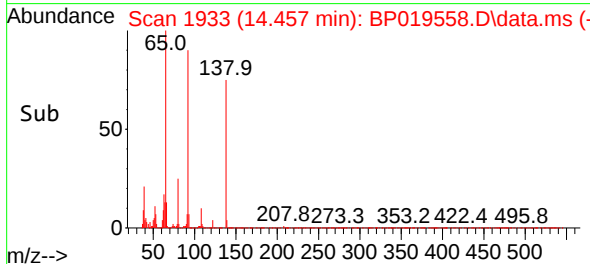
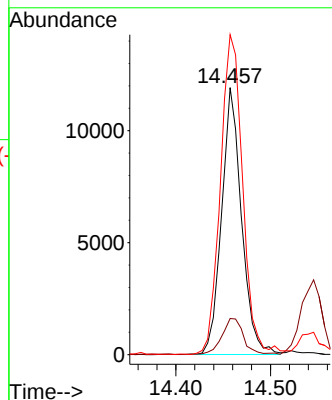
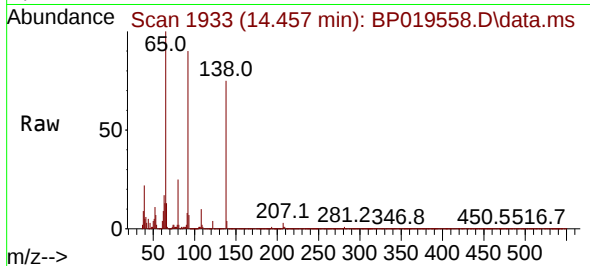
#53
3-Nitroaniline
Concen: 5.819 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:138 Resp: 1745
Ion Ratio Lower Upper
138 100
108 13.6 9.7 14.5
92 119.8 98.0 147.0

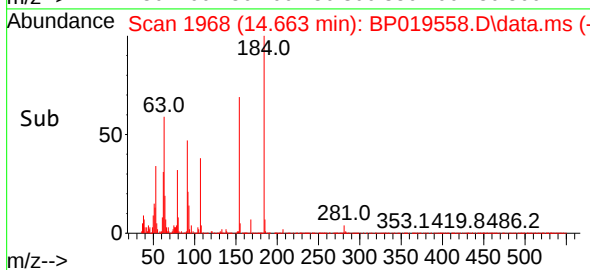
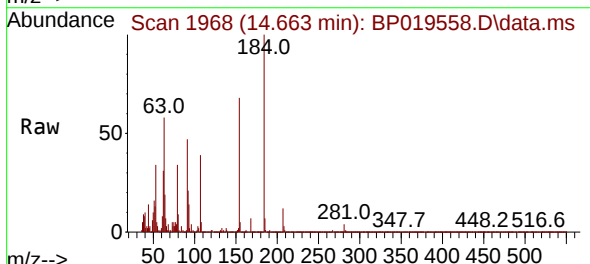
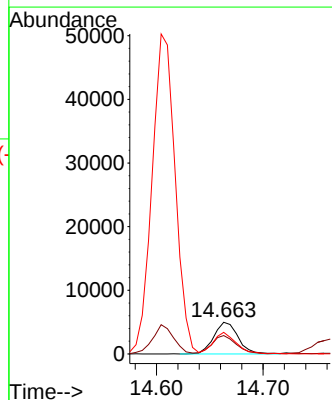
Manual Integrations
APPROVED

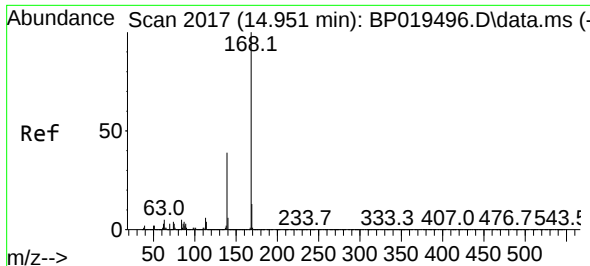
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#54
2,4-Dinitrophenol
Concen: 4.673 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:184 Resp: 7918
Ion Ratio Lower Upper
184 100
63 58.4 50.5 75.7
154 68.4 53.4 80.0





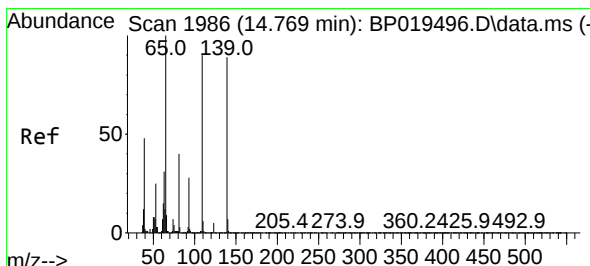
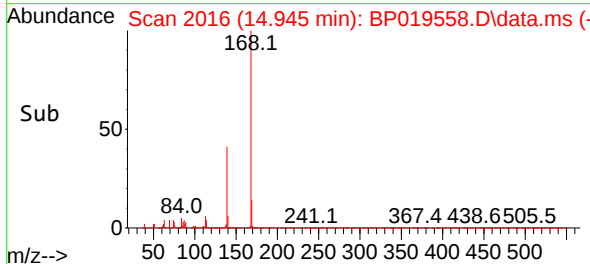
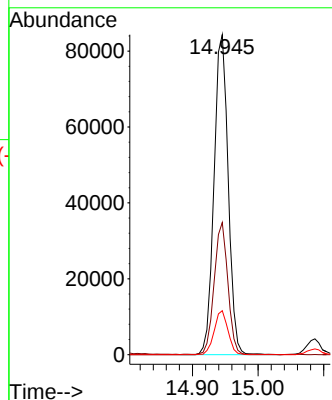
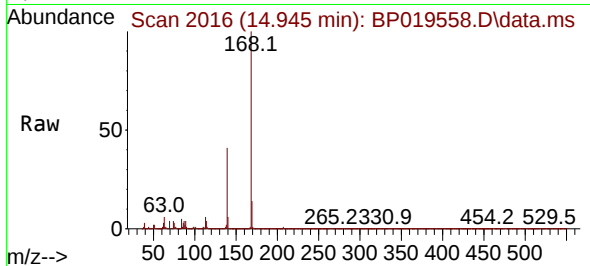
#55
Dibenzenofuran
Concen: 7.004 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:168 Resp: 12626
Ion Ratio Lower Upper
168 100
139 41.3 31.5 47.3
169 13.7 10.3 15.5

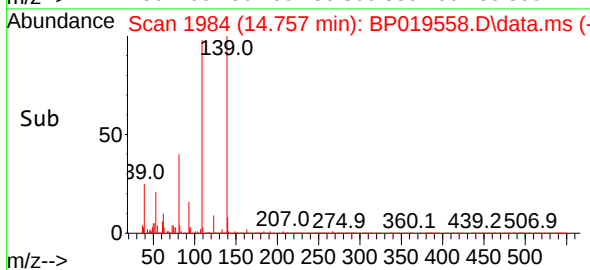
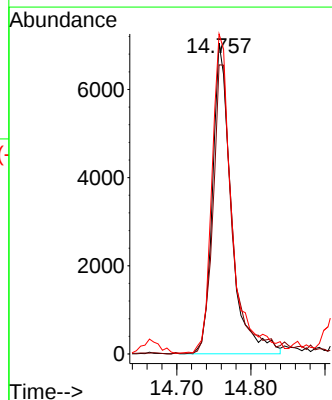
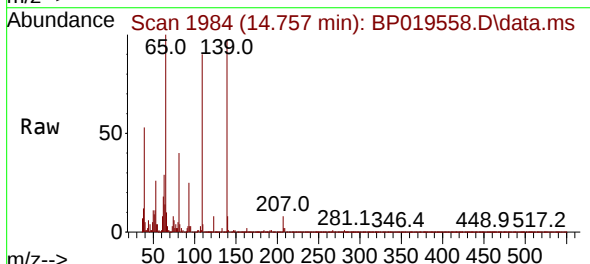
Manual Integrations
APPROVED

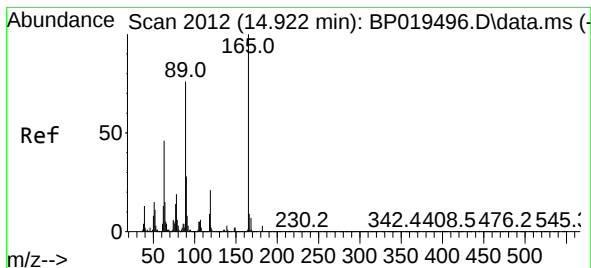
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#56
4-Nitrophenol
Concen: 5.072 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

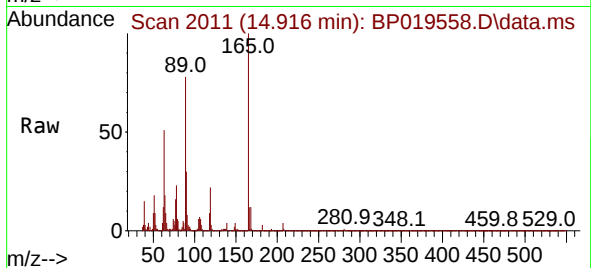
Tgt Ion:139 Resp: 12467
Ion Ratio Lower Upper
139 100
109 93.0 82.0 122.0
65 102.9 92.9 132.9





#57
2,4-Dinitrotoluene
Concen: 5.396 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

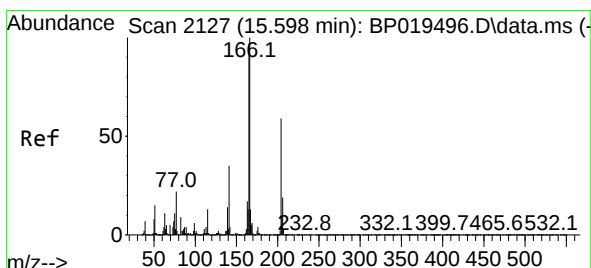
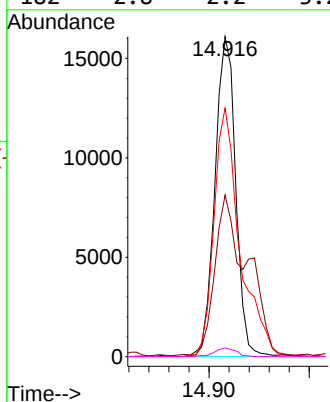
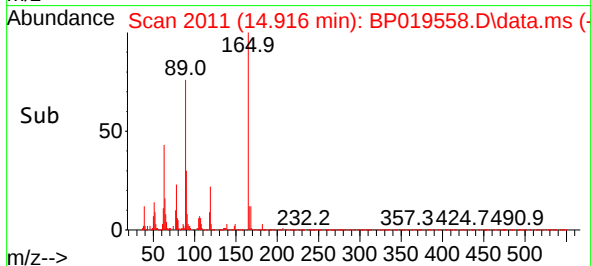
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:165 Resp: 2307
Ion Ratio Lower Upper
165 100
63 50.5 36.9 55.3
89 77.7 61.1 91.7
182 2.8 2.2 3.2

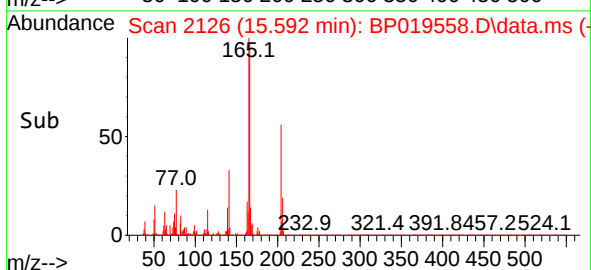
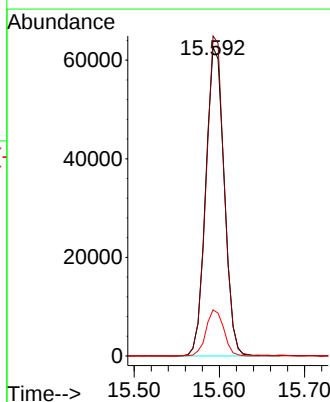
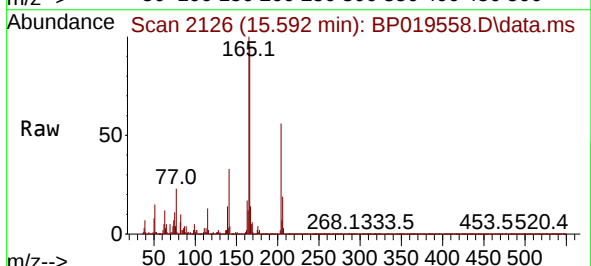
Manual Integrations
APPROVED

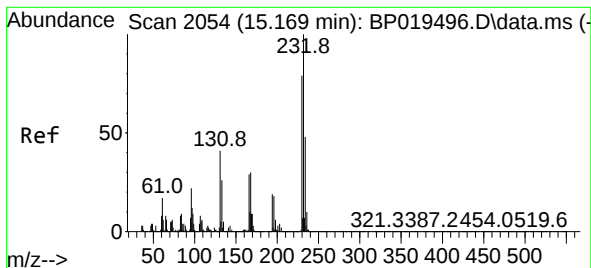
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#58
Fluorene
Concen: 6.568 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

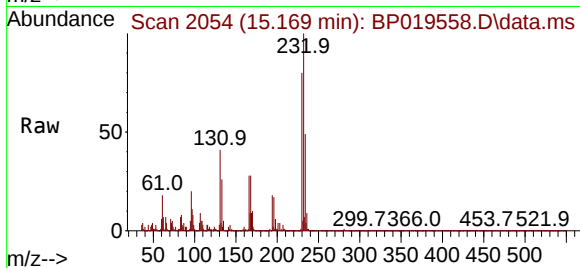
Tgt Ion:166 Resp: 94312
Ion Ratio Lower Upper
166 100
165 103.7 77.8 116.8
167 14.9 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.382 ng m
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

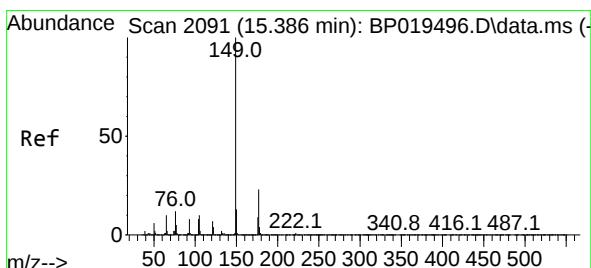
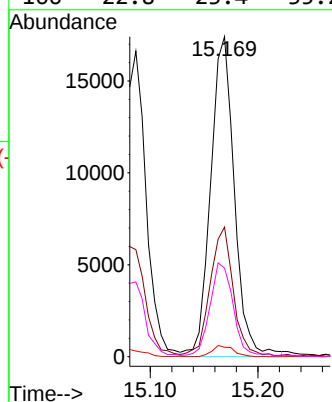
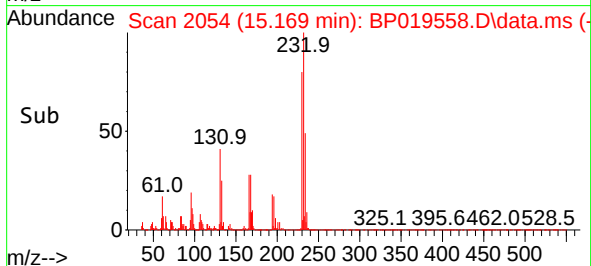
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:232 Resp: 26700
Ion Ratio Lower Upper
232 100
131 35.1 32.4 48.6
130 2.2 1.9 2.9
166 22.8 23.4 35.2#

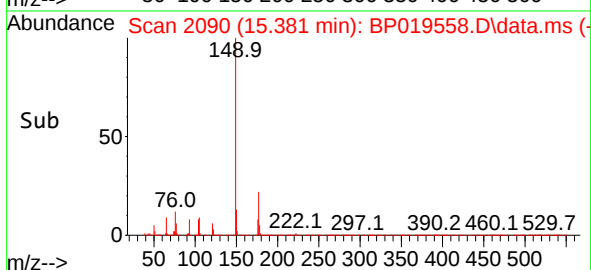
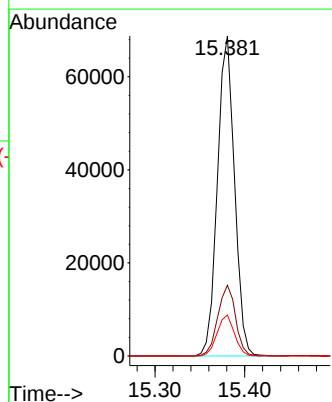
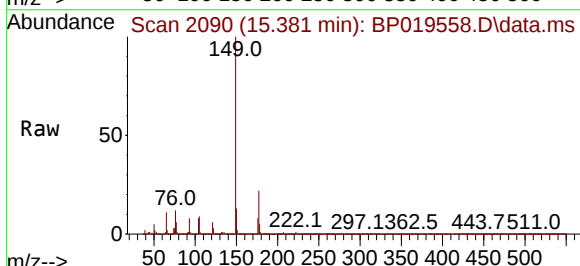
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#60
Diethylphthalate
Concen: 6.153 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

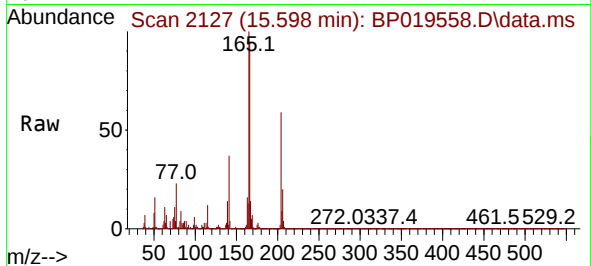
Tgt Ion:149 Resp: 90895
Ion Ratio Lower Upper
149 100
177 22.1 18.2 27.2
150 12.8 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 6.684 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

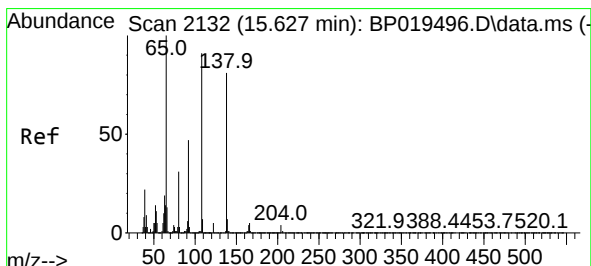
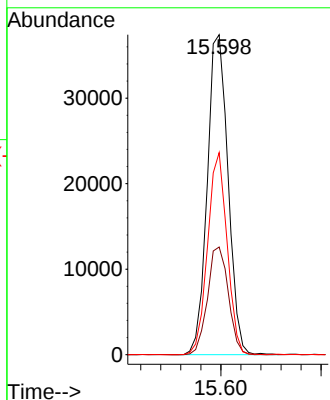
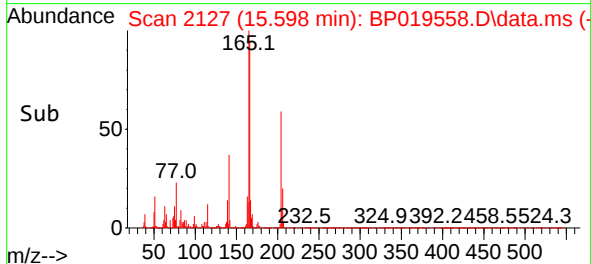
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 204 Resp: 53939
Ion Ratio Lower Upper
204 100
206 33.7 26.5 39.7
141 63.2 48.5 72.7

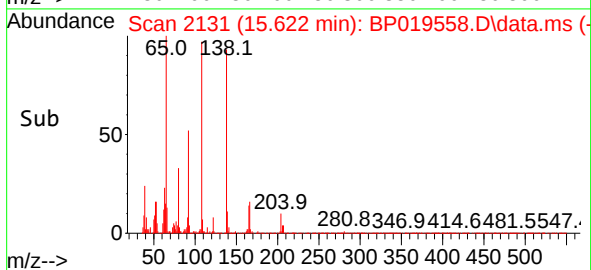
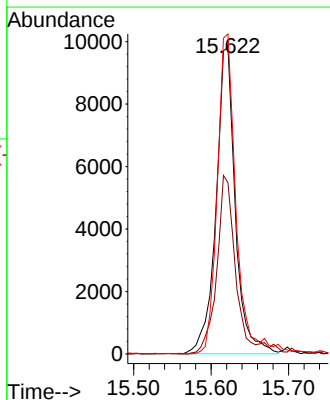
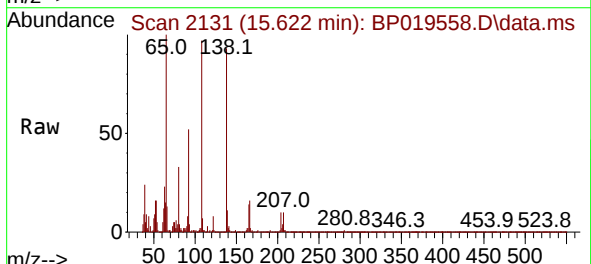
Manual Integrations
APPROVED

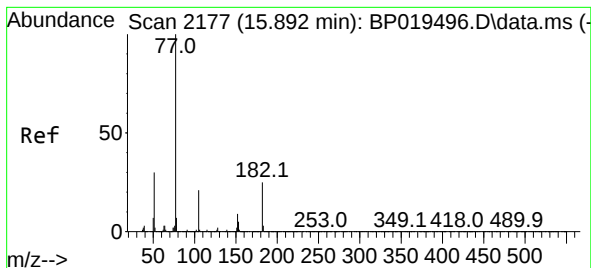
Reviewed By : Jagrut Upadhyay 02/07/2024
Supervised By : mohammad ahmed 02/08/2024



#62
4-Nitroaniline
Concen: 5.434 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion: 138 Resp: 17080
Ion Ratio Lower Upper
138 100
92 55.9 38.3 78.3
108 104.3 91.2 131.2





#63

Azobenzene

Concen: 6.325 ng

RT: 15.892 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

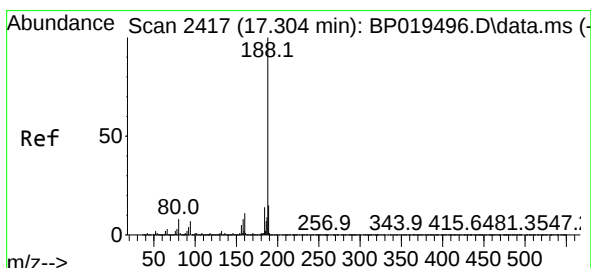
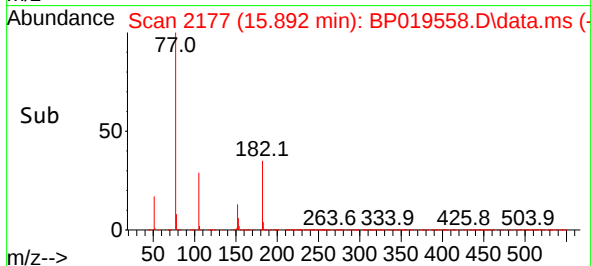
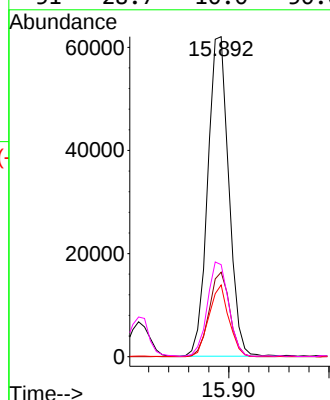
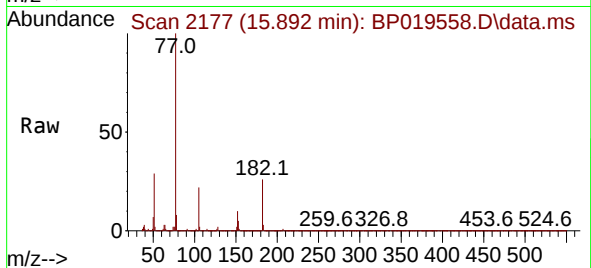
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 77	Resp: 9035
Ion Ratio	Lower Upper
77 100	
182 26.4	5.1 45.1
105 22.4	0.8 40.8
51 28.7	10.0 50.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

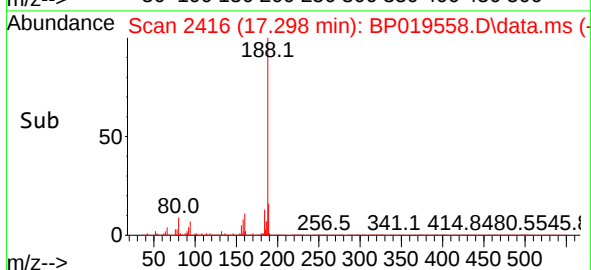
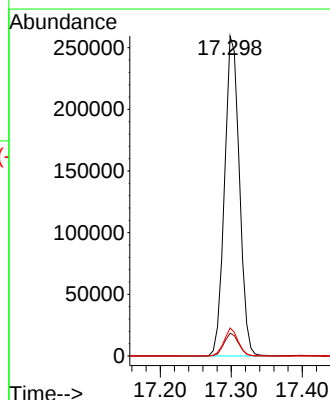
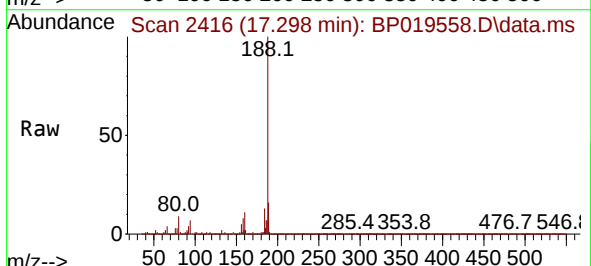
RT: 17.298 min Scan# 2416

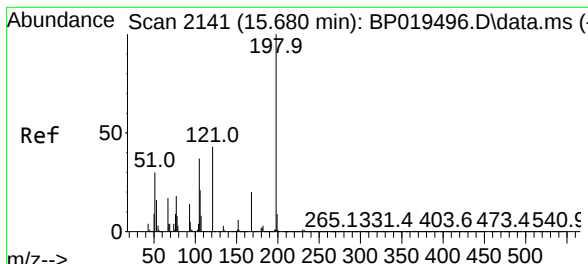
Delta R.T. -0.006 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Tgt Ion:188	Resp: 375864
Ion Ratio	Lower Upper
188 100	
94 7.1	5.4 8.2
80 8.8	6.3 9.5





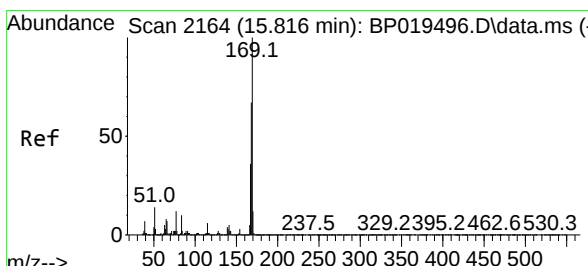
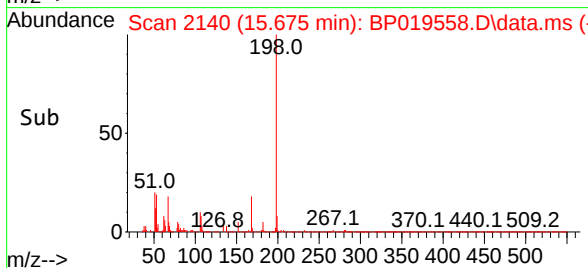
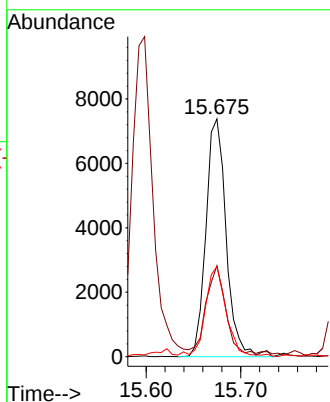
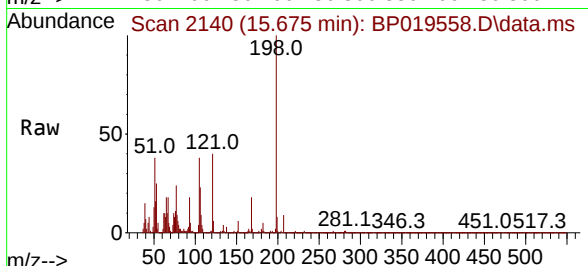
#65
4,6-Dinitro-2-methylphenol
Concen: 5.107 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	198	Resp:	1094
Ion Ratio	Lower	Upper	
198	100		
51	38.2	21.2	61.2
105	37.9	19.1	59.1

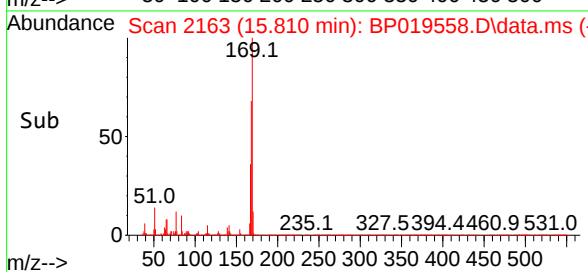
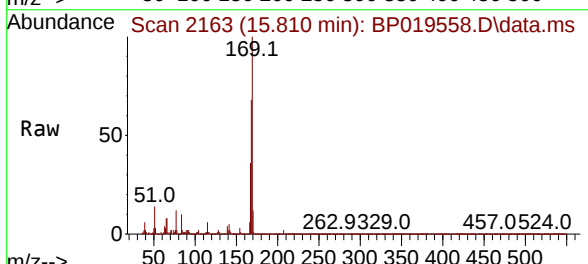
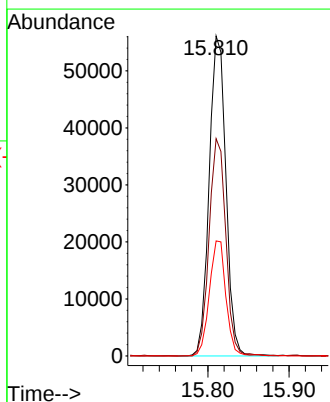
Manual Integrations
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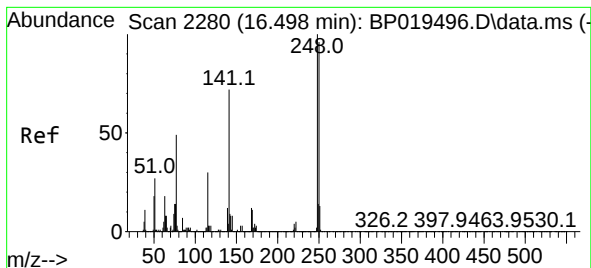
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#66
n-Nitrosodiphenylamine
Concen: 7.114 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

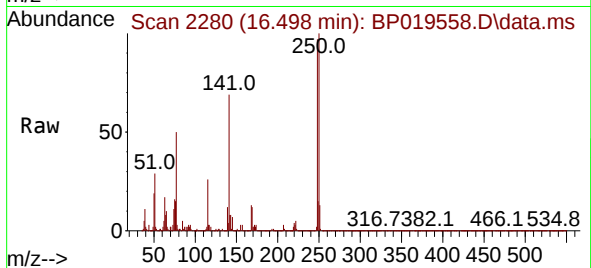
Tgt Ion:	169	Resp:	80075
Ion Ratio	Lower	Upper	
169	100		
168	67.9	53.4	80.2
167	36.0	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 6.671 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

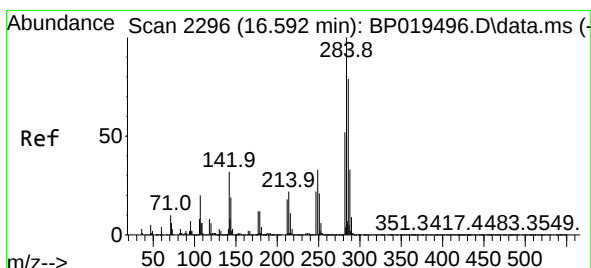
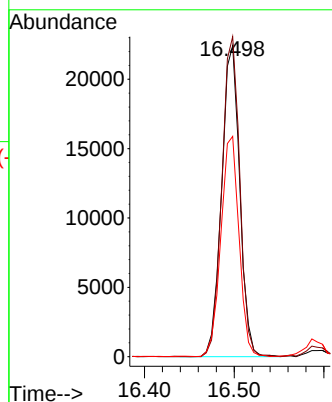
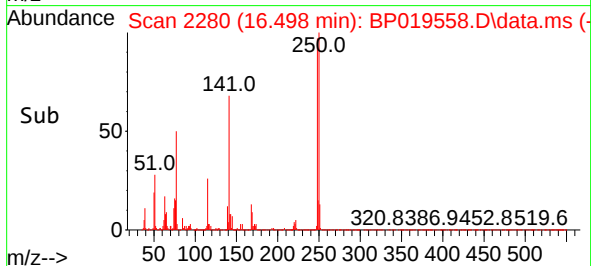
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:248 Resp: 3134
Ion Ratio Lower Upper
248 100
250 102.9 76.9 115.3
141 70.8 58.0 87.0

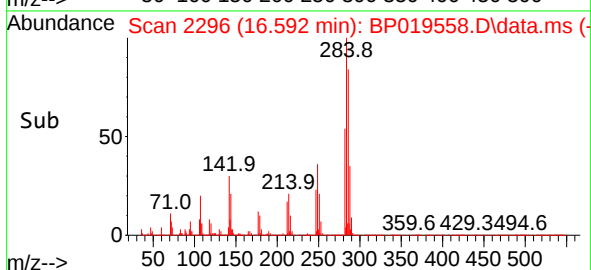
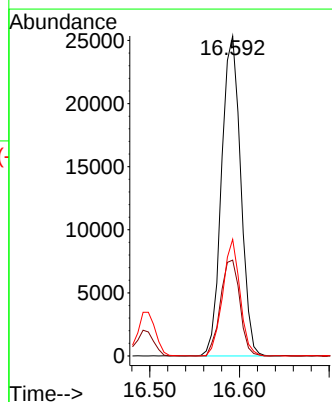
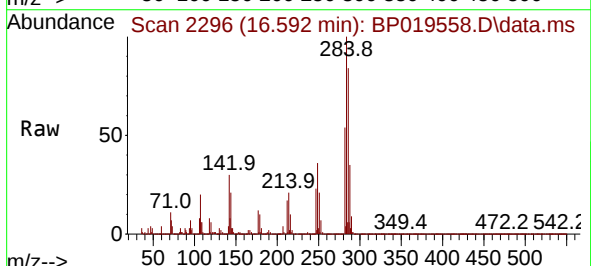
Manual Integrations
APPROVED

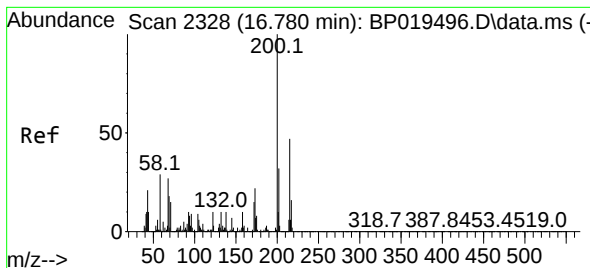
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#68
Hexachlorobenzene
Concen: 6.829 ng
RT: 16.592 min Scan# 2296
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:284 Resp: 37470
Ion Ratio Lower Upper
284 100
142 30.0 25.4 38.2
249 36.4 26.5 39.7





#69

Atrazine

Concen: 7.291 ng

RT: 16.775 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

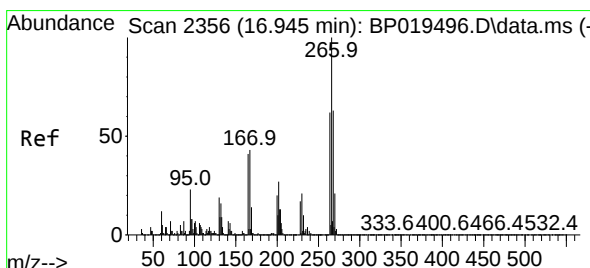
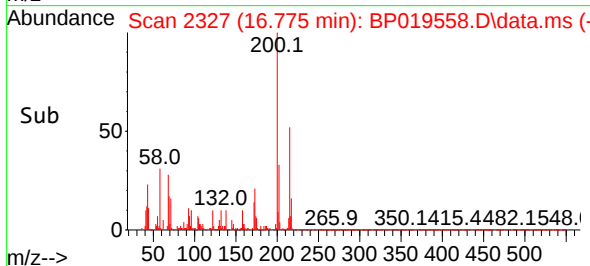
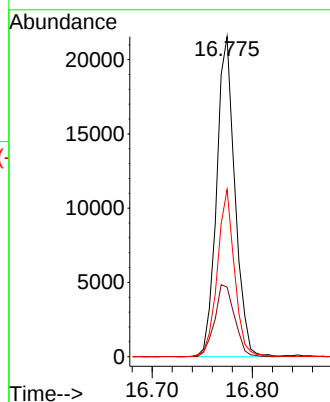
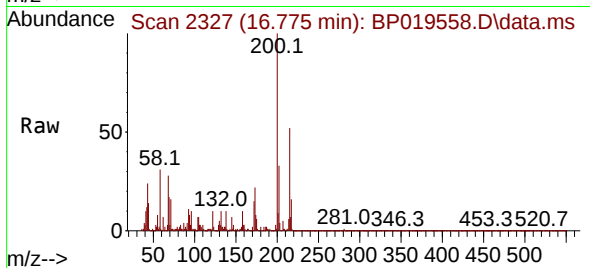
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:200 Resp: 27234
 Ion Ratio Lower Upper
 200 100
 173 21.8 1.7 41.7
 215 52.3 26.9 66.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024



#70

Pentachlorophenol

Concen: 5.001 ng

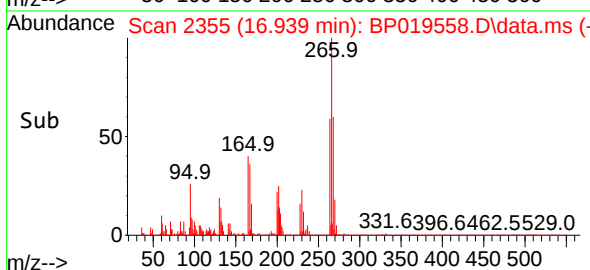
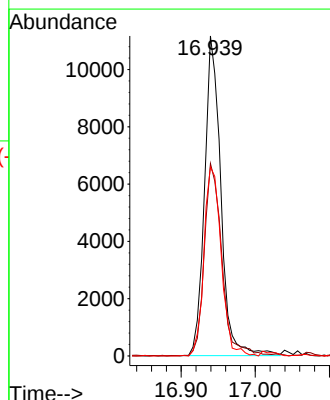
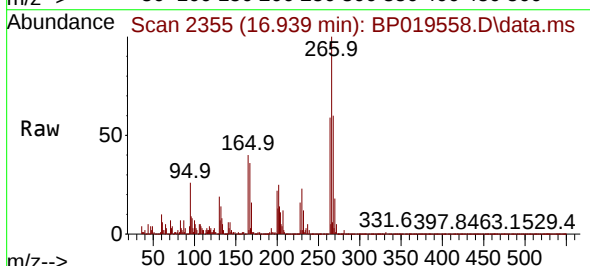
RT: 16.939 min Scan# 2355

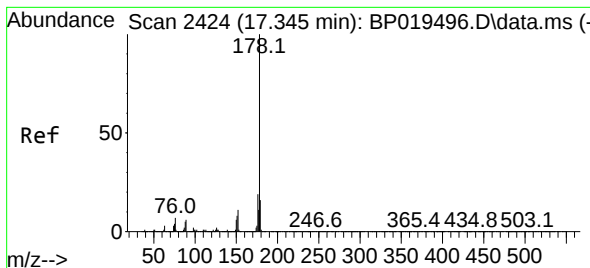
Delta R.T. -0.006 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Tgt Ion:266 Resp: 17088
 Ion Ratio Lower Upper
 266 100
 268 60.2 50.3 75.5
 264 59.0 49.7 74.5





#71

Phenanthrene

Concen: 7.052 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

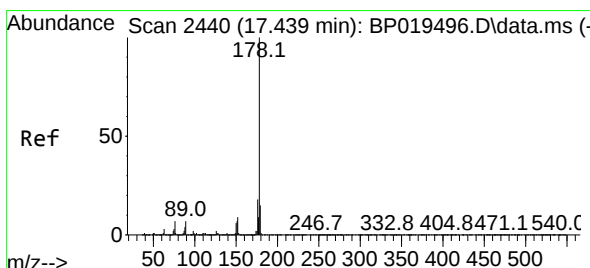
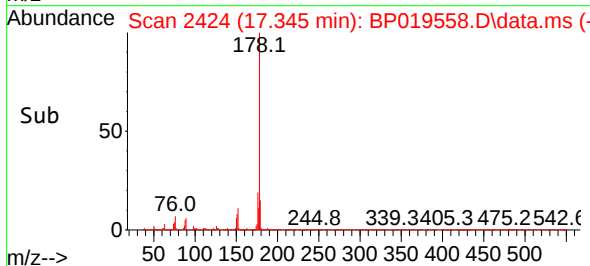
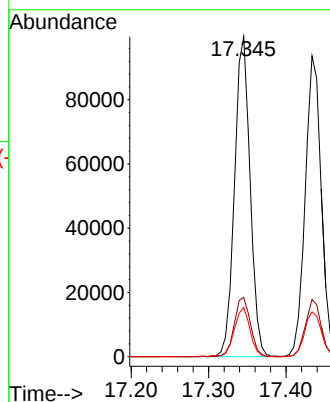
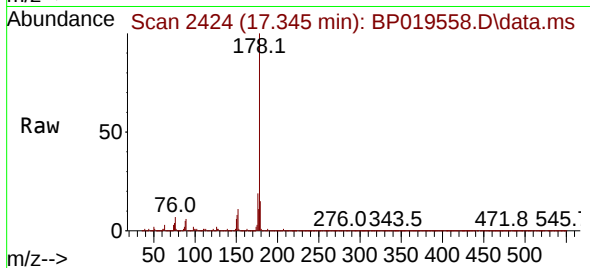
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:178 Resp: 139485
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#72

Anthracene

Concen: 6.877 ng

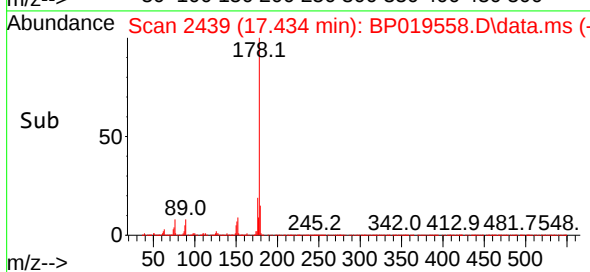
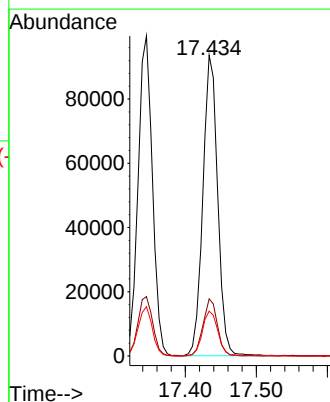
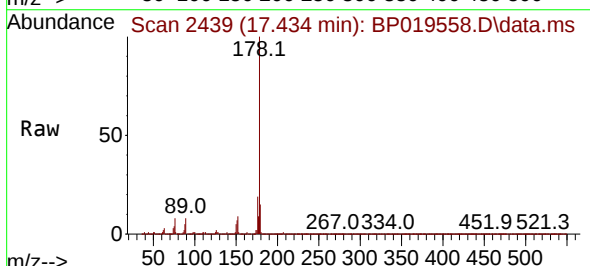
RT: 17.434 min Scan# 2439

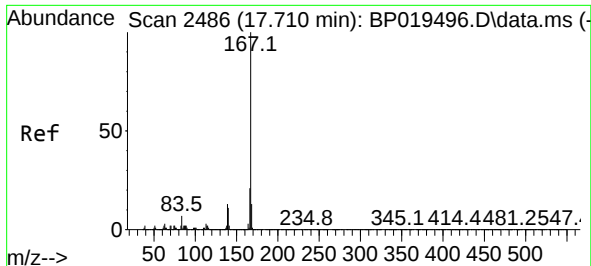
Delta R.T. -0.006 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

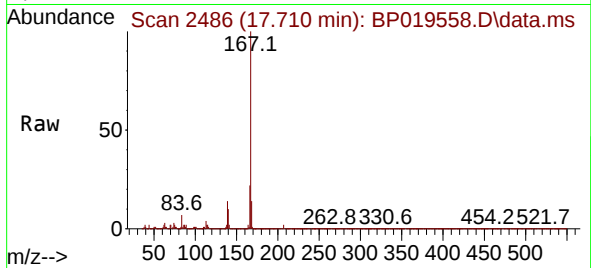
Tgt Ion:178 Resp: 135696
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 14.9 12.2 18.2





#73
 Carbazole
 Concen: 6.185 ng
 RT: 17.710 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: BP019558.D
 Acq: 05 Feb 2024 13:14

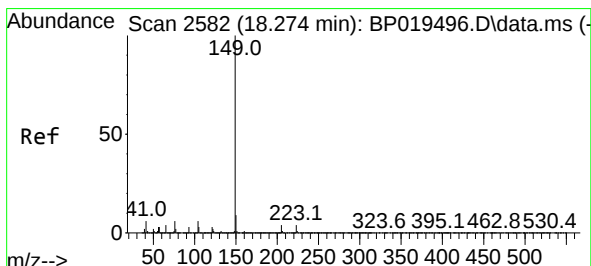
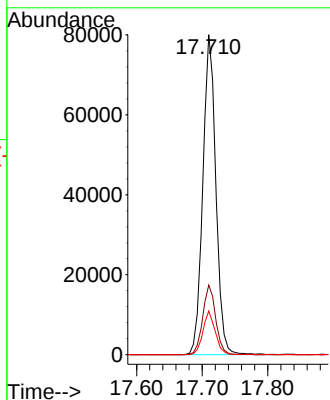
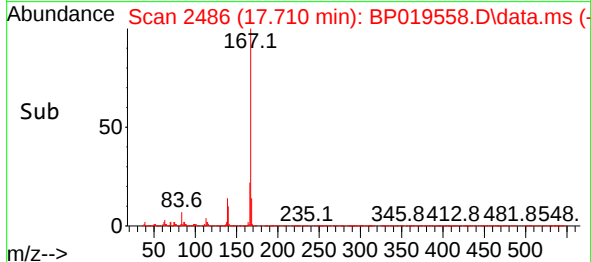
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



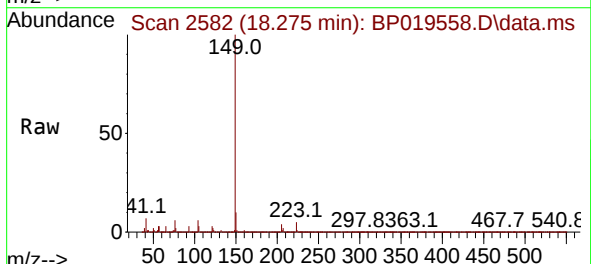
Tgt Ion:167 Resp: 110862
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 13.7 10.6 15.8

Manual Integrations
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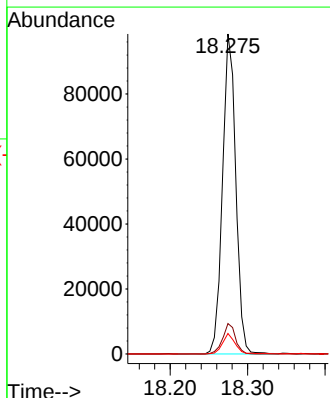
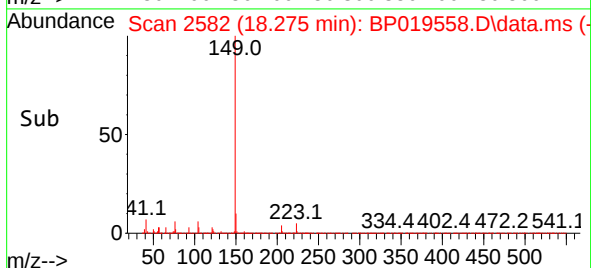
Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024



#74
 Di-n-butylphthalate
 Concen: 5.423 ng
 RT: 18.275 min Scan# 2582
 Delta R.T. 0.000 min
 Lab File: BP019558.D
 Acq: 05 Feb 2024 13:14



Tgt Ion:149 Resp: 117542
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.3 10.9
 104 6.4 4.8 7.2





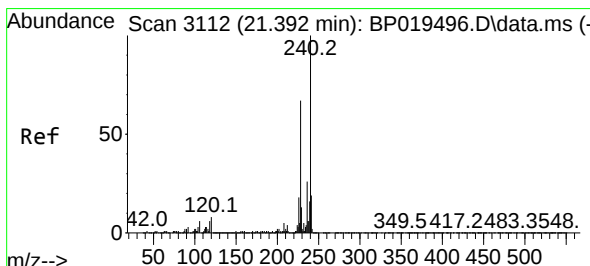
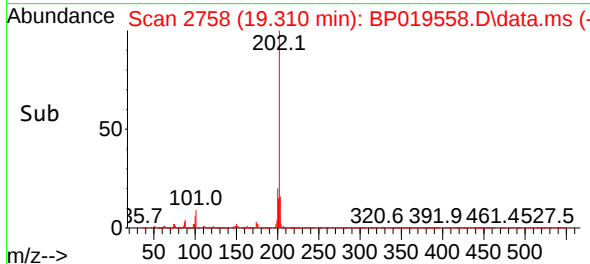
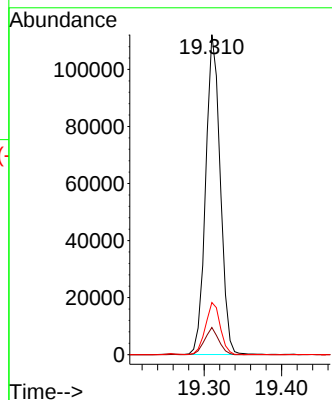
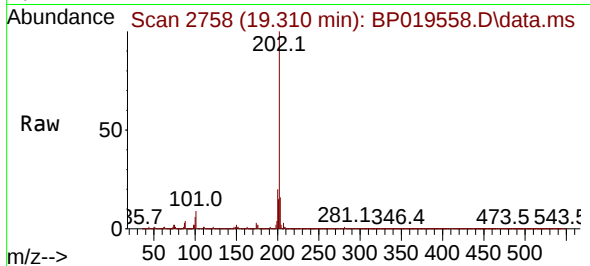
#75
Fluoranthene
Concen: 6.048 ng
RT: 19.310 min Scan# 2758
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:202 Resp: 14614
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.7
203 16.3 0.0 37.5

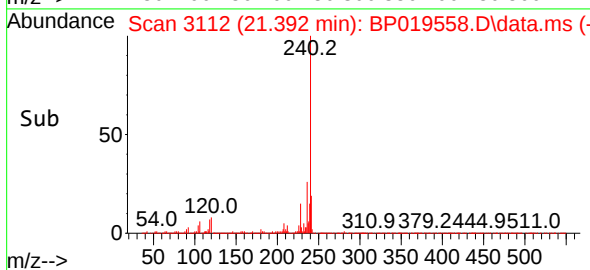
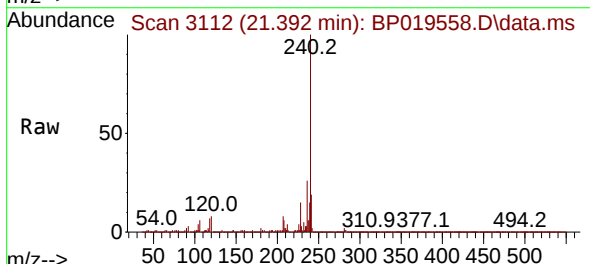
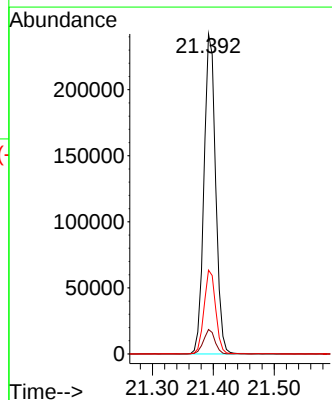
Manual Integrations
APPROVED

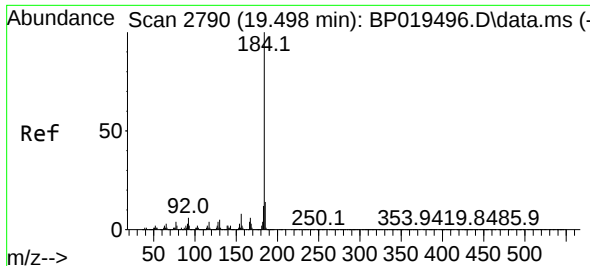
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Tgt Ion:240 Resp: 321956
Ion Ratio Lower Upper
240 100
120 7.6 6.1 9.1
236 26.2 20.7 31.1





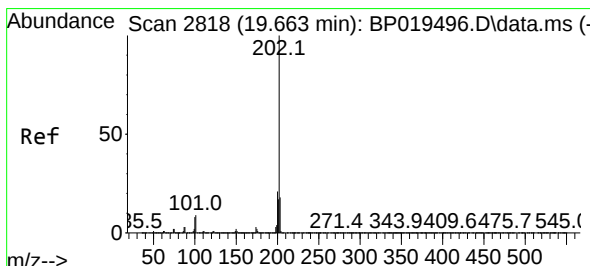
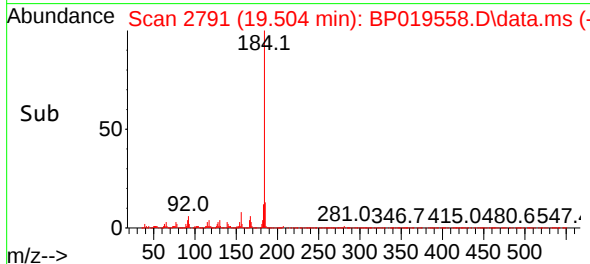
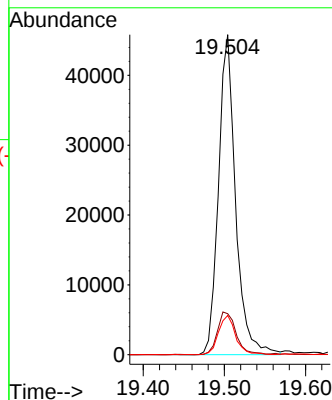
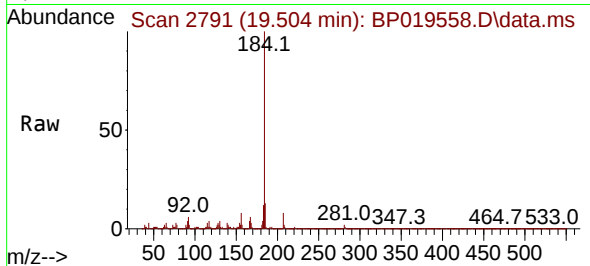
#77
Benzidine
Concen: 9.984 ng
RT: 19.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:184 Resp: 6720
Ion Ratio Lower Upper
184 100
185 12.8 11.1 16.7
183 12.2 9.7 14.5

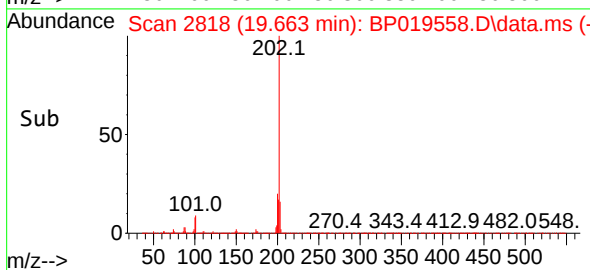
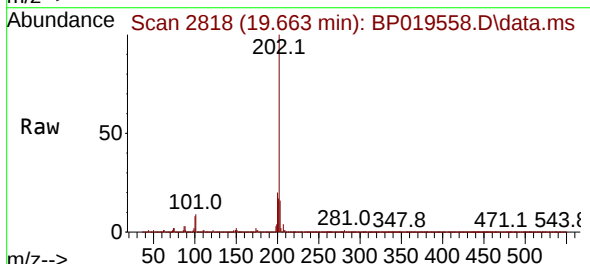
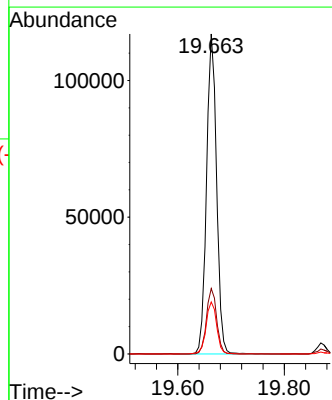
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#78
Pyrene
Concen: 6.715 ng
RT: 19.663 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

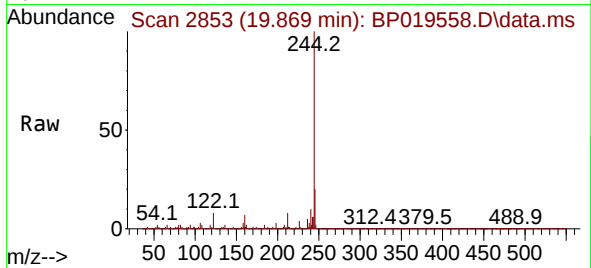
Tgt Ion:202 Resp: 152580
Ion Ratio Lower Upper
202 100
200 20.5 16.9 25.3
203 16.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 66.300 ng
 RT: 19.869 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: BP019558.D
 Acq: 05 Feb 2024 13:14

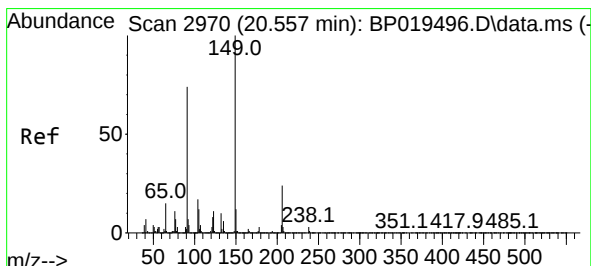
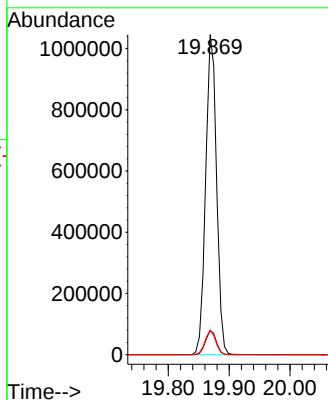
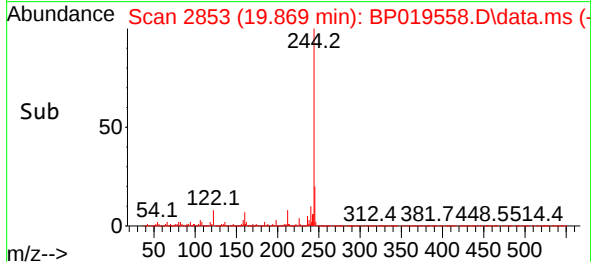
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:244 Resp: 129797
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 7.6 5.9 8.9

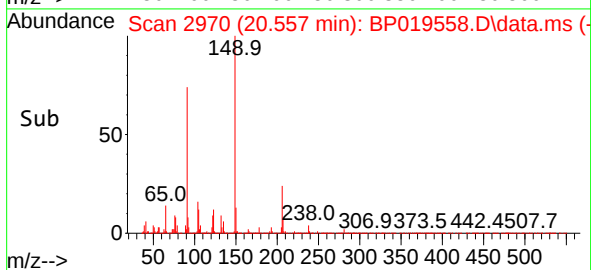
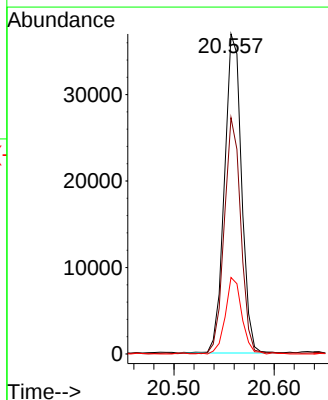
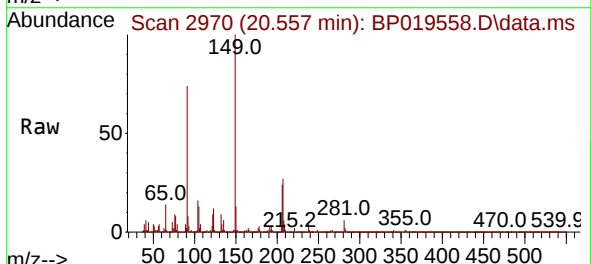
Manual Integrations
 APPROVED

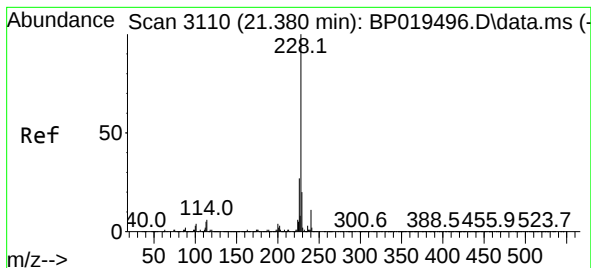
Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024



#80
 Butylbenzylphthalate
 Concen: 5.127 ng
 RT: 20.557 min Scan# 2970
 Delta R.T. 0.000 min
 Lab File: BP019558.D
 Acq: 05 Feb 2024 13:14

Tgt Ion:149 Resp: 43508
 Ion Ratio Lower Upper
 149 100
 91 73.8 59.4 89.0
 206 23.9 19.0 28.6





#81

Benzo(a)anthracene

Concen: 6.732 ng

RT: 21.380 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

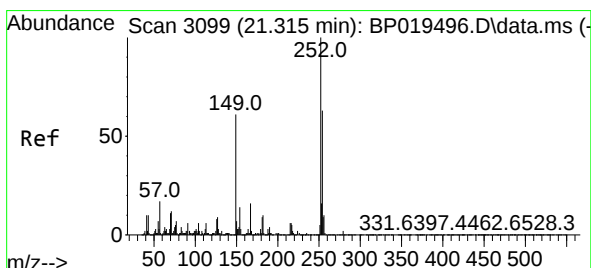
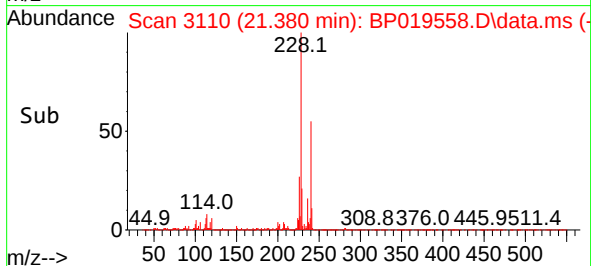
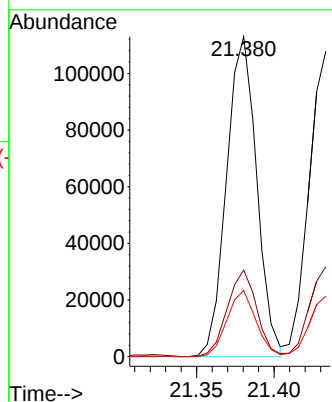
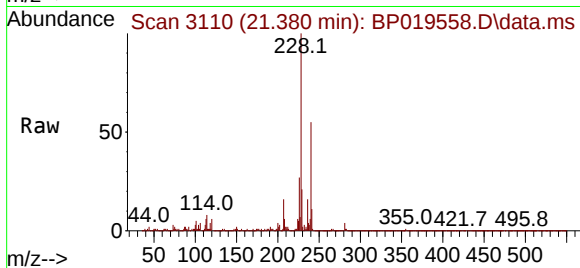
Tgt Ion:228 Resp: 152579

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	20.7	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#82

3,3'-Dichlorobenzidine

Concen: 6.763 ng

RT: 21.322 min Scan# 3100

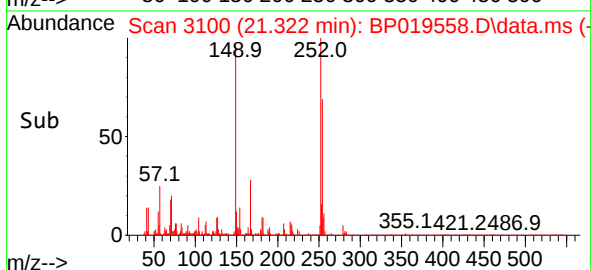
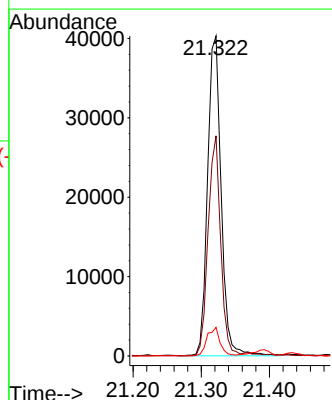
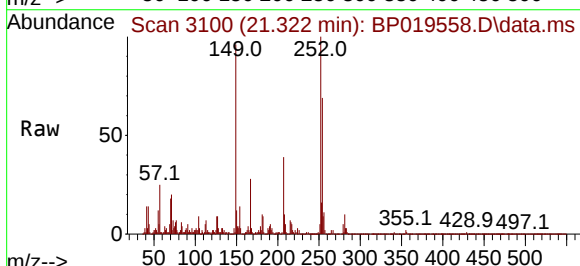
Delta R.T. 0.006 min

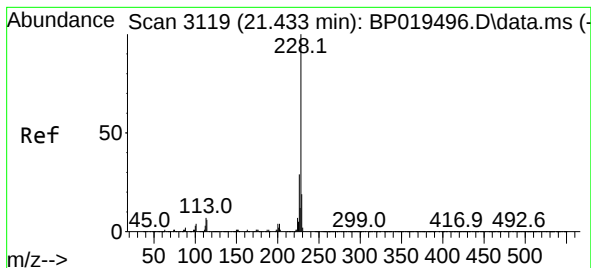
Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Tgt Ion:252 Resp: 55851

Ion	Ratio	Lower	Upper
252	100		
254	68.8	50.7	76.1
126	9.0	6.4	9.6





#83

Chrysene

Concen: 6.733 ng

RT: 21.433 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

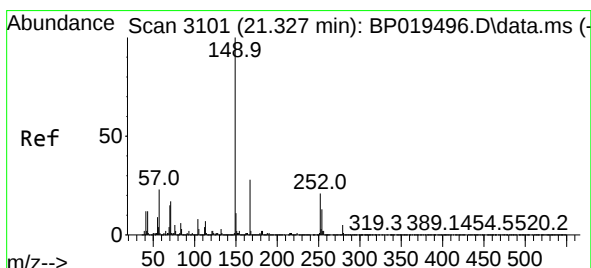
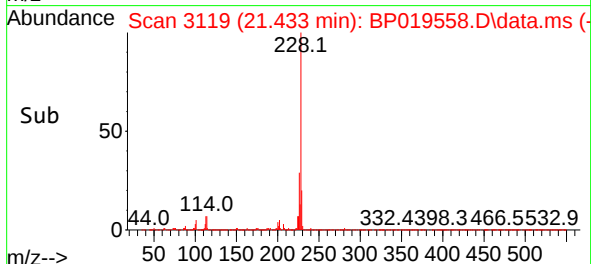
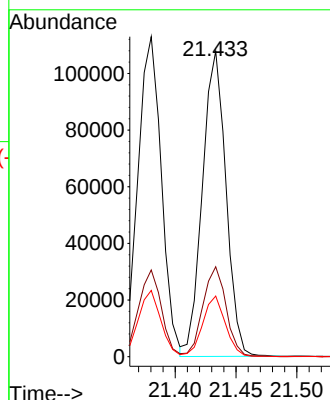
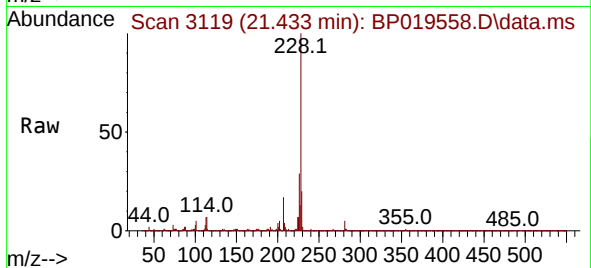
Tgt Ion:228 Resp: 144875

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	19.8	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.025 ng

RT: 21.327 min Scan# 3101

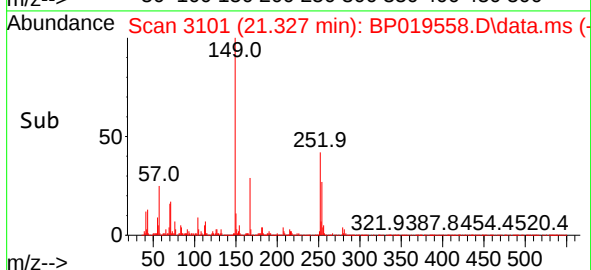
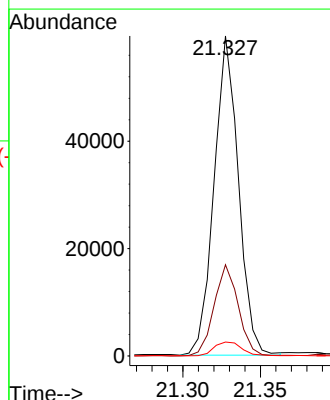
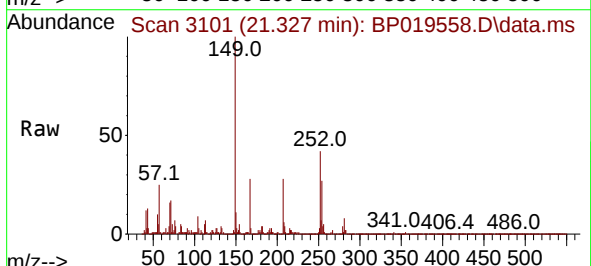
Delta R.T. 0.000 min

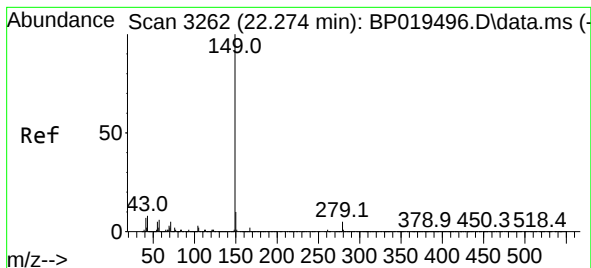
Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Tgt Ion:149 Resp: 64928

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.7	34.1
279	4.4	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 4.981 ng

RT: 22.274 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

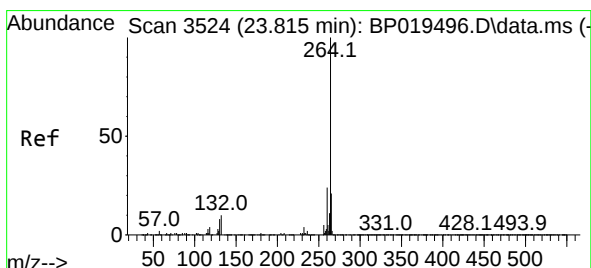
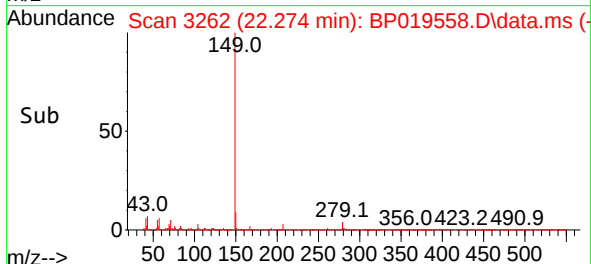
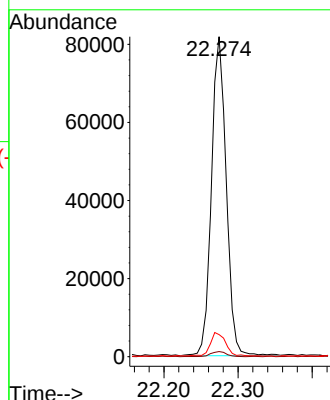
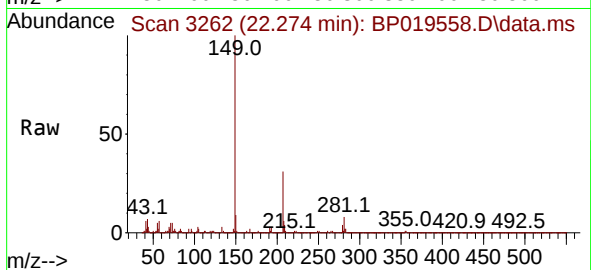
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:149	Resp:	113228
Ion Ratio	Lower	Upper
149	100	
167	1.7	1.3 1.9
43	7.9	6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#86

Perylene-d12

Concen: 20.000 ng

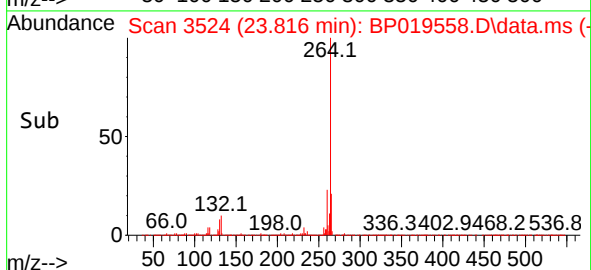
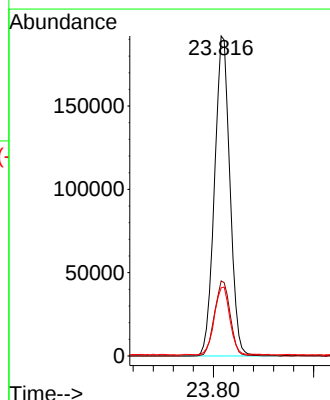
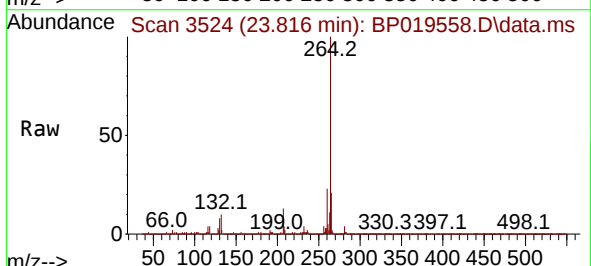
RT: 23.816 min Scan# 3524

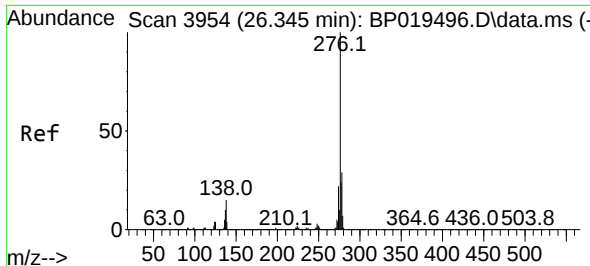
Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

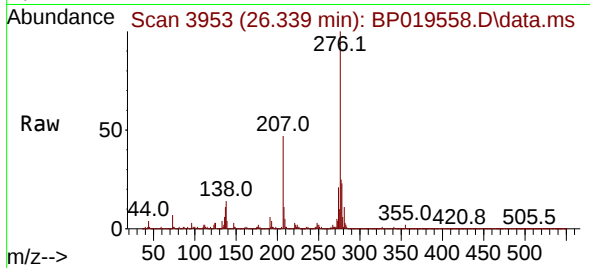
Tgt Ion:264	Resp:	408984
Ion Ratio	Lower	Upper
264	100	
260	23.4	19.2 28.8
265	21.3	17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.918 ng
RT: 26.339 min Scan# 3954
Delta R.T. -0.006 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

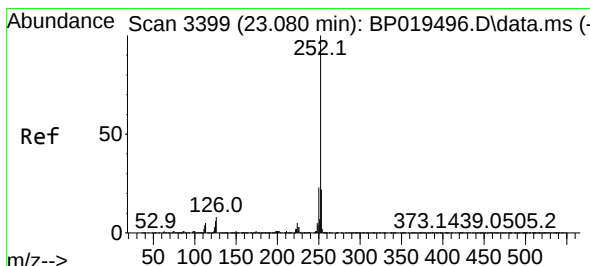
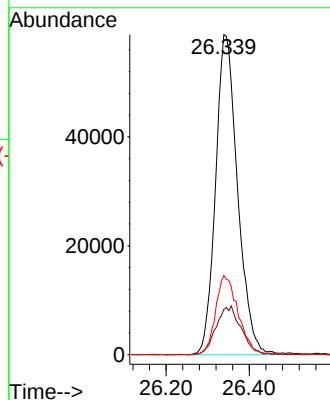
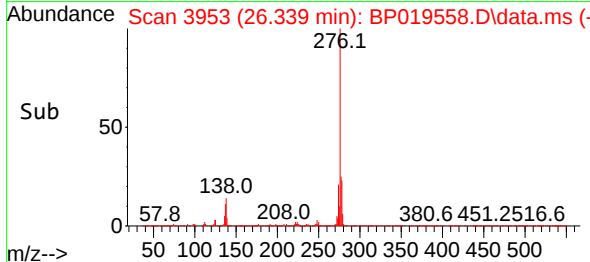
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 276 Resp: 216580
Ion Ratio Lower Upper
276 100
138 17.1 13.1 19.7
277 25.4 20.3 30.5

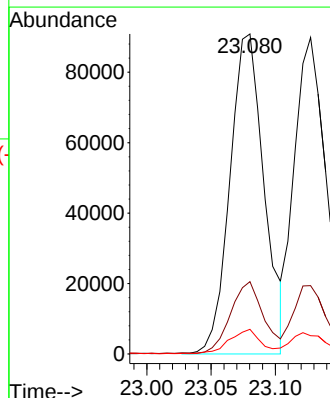
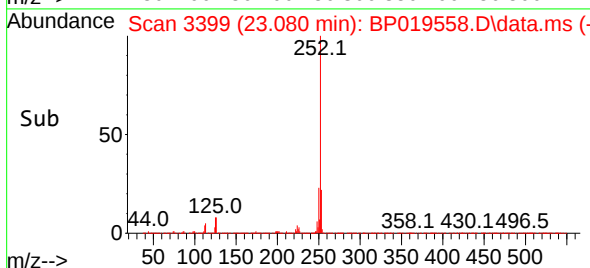
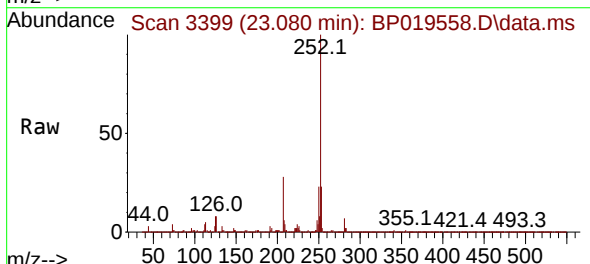
Manual Integrations
APPROVED

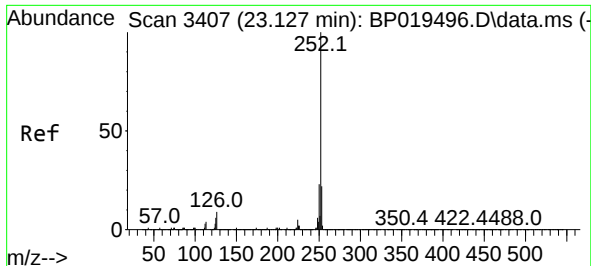
Reviewed By : Jagrut Upadhyay 02/07/2024
Supervised By : mohammad ahmed 02/08/2024



#88
Benzo(b)fluoranthene
Concen: 6.516 ng m
RT: 23.080 min Scan# 3399
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

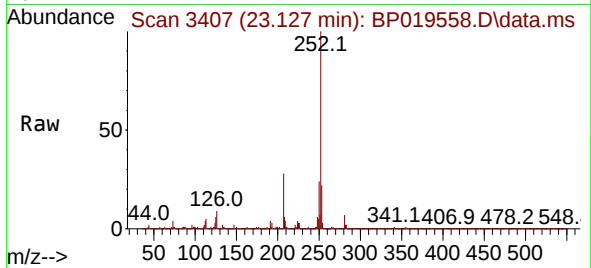
Tgt Ion: 252 Resp: 167963
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 7.7 4.9 7.3#





#89
Benzo(k)fluoranthene
Concen: 6.288 ng
RT: 23.127 min Scan# 3407
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14

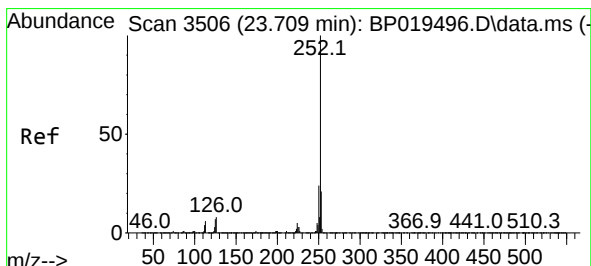
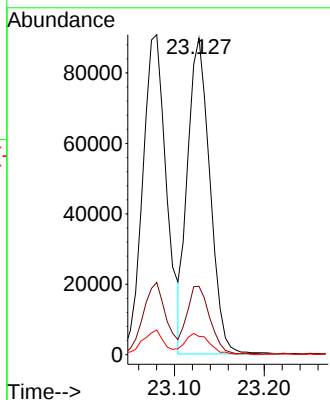
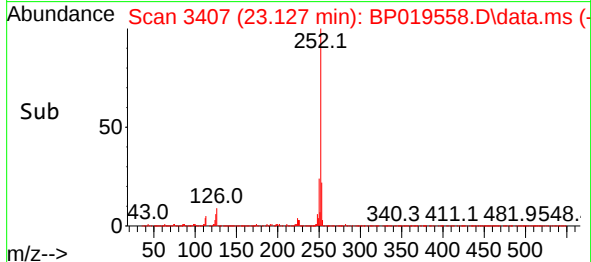
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023



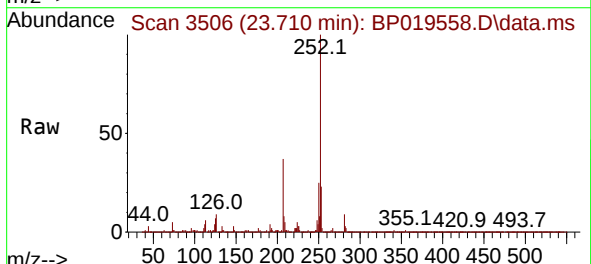
Tgt Ion:252 Resp: 154828
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 5.8 5.0 7.6

Manual Integrations
APPROVED

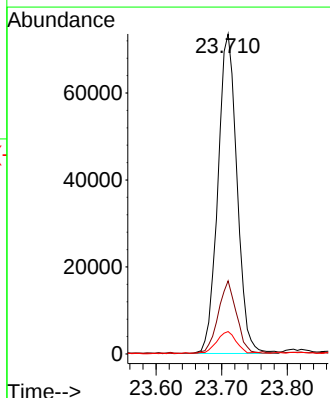
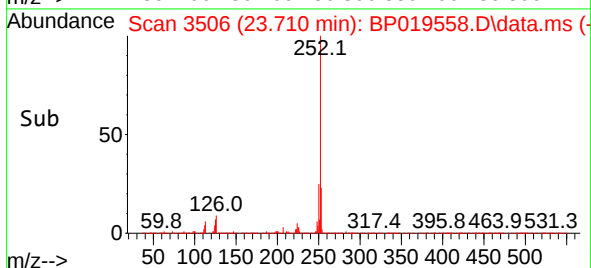
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

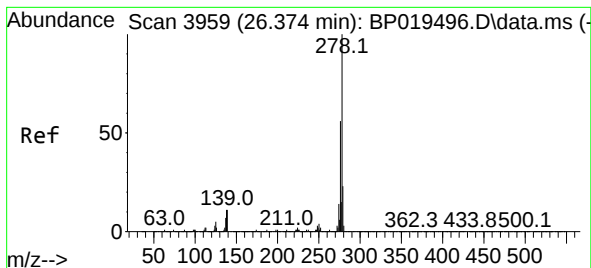


#90
Benzo(a)pyrene
Concen: 6.471 ng
RT: 23.710 min Scan# 3506
Delta R.T. 0.000 min
Lab File: BP019558.D
Acq: 05 Feb 2024 13:14



Tgt Ion:252 Resp: 148412
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 7.0 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 6.998 ng

RT: 26.374 min Scan# 3959

Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Instrument :

BNA_P

ClientSampleId :

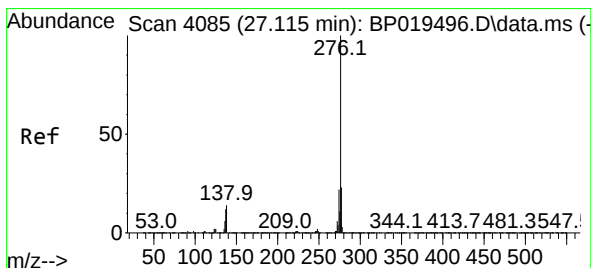
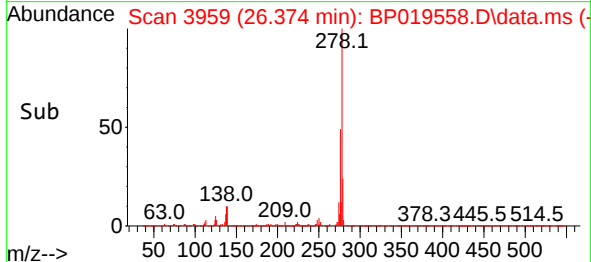
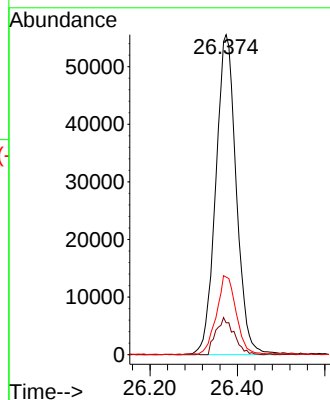
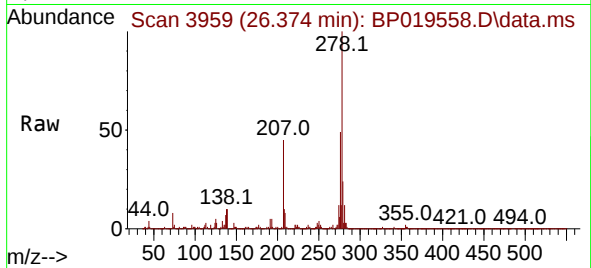
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:	278	Resp:	180189
Ion Ratio	Lower	Upper	
278	100		
139	9.9	8.6	12.8
279	24.3	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#92

Benzo(g,h,i)perylene

Concen: 6.716 ng

RT: 27.115 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BP019558.D

Acq: 05 Feb 2024 13:14

Tgt Ion:	276	Resp:	175432
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.6	28.0
138	13.1	10.9	16.3

