

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
 Data File : BP021496.D
 Acq On : 14 Aug 2024 12:06
 Operator : RC/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL-8ng
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 14 12:33:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	317412	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	1390807	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	953814	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	2142969	20.000	ng	0.00
76) Chrysene-d12	21.692	240	2137506	20.000	ng	0.00
86) Perylene-d12	25.109	264	2377678	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2807226	131.323	ng	0.00
7) Phenol-d6	6.963	99	4071026	130.551	ng	0.00
23) Nitrobenzene-d5	8.951	82	2629464	97.584	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1487473	140.122	ng	-0.01
45) 2-Fluorobiphenyl	13.063	172	5471106	87.541	ng	0.00
79) Terphenyl-d14	19.974	244	9058895	82.334	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	86456	8.530	ng	99
3) Pyridine	3.710	79	209800	7.415	ng	98
4) n-Nitrosodimethylamine	3.622	42	71997	8.465	ng	# 97
6) Aniline	7.134	93	306275	9.824	ng	99
8) 2-Chlorophenol	7.369	128	166416	8.424	ng	94
9) Benzaldehyde	6.946	77	210772	10.557	ng	98
10) Phenol	6.987	94	267109	8.272	ng	95
11) bis(2-Chloroethyl)ether	7.228	93	230999	8.454	ng	98
12) 1,3-Dichlorobenzene	7.698	146	187585	7.994	ng	98
13) 1,4-Dichlorobenzene	7.845	146	191872	8.098	ng	98
14) 1,2-Dichlorobenzene	8.157	146	184375	8.075	ng	99
15) Benzyl Alcohol	8.034	79	192268	8.593	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.322	45	224729	8.931	ng	99
17) 2-Methylphenol	8.234	107	164934	8.079	ng	99
18) Hexachloroethane	8.887	117	77376	8.144	ng	96
19) n-Nitroso-di-n-propyla...	8.604	70	189091	8.778	ng	97
20) 3+4-Methylphenols	8.551	107	222751	8.092	ng	98
22) Acetophenone	8.616	105	354486	8.296	ng	# 99
24) Nitrobenzene	8.992	77	256614	8.768	ng	100
25) Isophorone	9.516	82	541041	8.499	ng	99
26) 2-Nitrophenol	9.698	139	44502	10.266	ng	95
27) 2,4-Dimethylphenol	9.757	122	129545	8.246	ng	98
28) bis(2-Chloroethoxy)met...	9.998	93	320581	8.250	ng	99
29) 2,4-Dichlorophenol	10.234	162	142686	7.687	ng	99
30) 1,2,4-Trichlorobenzene	10.457	180	186522	7.838	ng	97
31) Naphthalene	10.645	128	583614	8.033	ng	98
32) Benzoic acid	9.810	122	42410	8.801	ng	95
33) 4-Chloroaniline	10.739	127	237970	8.719	ng	99
34) Hexachlorobutadiene	10.939	225	114468	7.639	ng	98
35) Caprolactam	11.475	113	64629	8.365	ng	95
36) 4-Chloro-3-methylphenol	11.857	107	198808	7.721	ng	98
37) 2-Methylnaphthalene	12.251	142	400170	8.070	ng	100
38) 1-Methylnaphthalene	12.475	142	385680	7.886	ng	99
40) 1,2,4,5-Tetrachloroben...	12.622	216	225883	8.083	ng	99
41) Hexachlorocyclopentadiene	12.604	237	75227	8.493	ng	96
43) 2,4,6-Trichlorophenol	12.851	196	114264	7.360	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	125280	7.263	ng	98
46) 1,1'-Biphenyl	13.269	154	558092	8.270	ng	97
47) 2-Chloronaphthalene	13.304	162	420239	7.999	ng	99
48) 2-Nitroaniline	13.492	65	92074	10.730	ng	99
49) Acenaphthylene	14.163	152	671003	8.688	ng	99
50) Dimethylphthalate	13.886	163	541292	8.474	ng	99
51) 2,6-Dinitrotoluene	14.004	165	81169	9.761	ng	90
52) Acenaphthene	14.510	154	405912	8.010	ng	99
53) 3-Nitroaniline	14.327	138	85104	10.131	ng	# 87
54) 2,4-Dinitrophenol	14.533	184	19155	9.873	ng	# 49
55) Dibenzofuran	14.851	168	668714	8.578	ng	99
56) 4-Nitrophenol	14.627	139	64596	10.789	ng	90
57) 2,4-Dinitrotoluene	14.798	165	91701	10.032	ng	92
58) Fluorene	15.510	166	531047	8.292	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.080	232	114594	7.828	ng	97
60) Diethylphthalate	15.280	149	539152	8.226	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	273847	8.272	ng	98
62) 4-Nitroaniline	15.510	138	87930	9.274	ng	87
63) Azobenzene	15.810	77	721146	8.951	ng	98
65) 4,6-Dinitro-2-methylph...	15.574	198	29747	10.300	ng	93
66) n-Nitrosodiphenylamine	15.722	169	465154	8.100	ng	99
67) 4-Bromophenyl-phenylether	16.416	248	166083	7.323	ng	97
68) Hexachlorobenzene	16.539	284	205401	7.663	ng	97
69) Atrazine	16.686	200	164492	8.343	ng	99
70) Pentachlorophenol	16.886	266	86609	5.920	ng	98
71) Phenanthrene	17.292	178	860328	8.348	ng	99
72) Anthracene	17.380	178	835993	8.271	ng	99
73) Carbazole	17.657	167	780024	8.008	ng	100
74) Di-n-butylphthalate	18.268	149	913190	7.634	ng	99
75) Fluoranthene	19.374	202	994401	7.864	ng	99
77) Benzidine	19.557	184	379103	10.498	ng	99
78) Pyrene	19.745	202	1055257	7.553	ng	99
80) Butylbenzylphthalate	20.698	149	302034	8.871	ng	92
81) Benzo(a)anthracene	21.674	228	1091842	8.137	ng	100
82) 3,3'-Dichlorobenzidine	21.586	252	359508	8.356	ng	98
83) Chrysene	21.745	228	1020889	8.058	ng	99
84) Bis(2-ethylhexyl)phtha...	21.639	149	568059	7.163	ng	99
85) Di-n-octyl phthalate	22.951	149	792775	9.953	ng	98
87) Indeno(1,2,3-cd)pyrene	28.944	276	1178167m	7.644	ng	
88) Benzo(b)fluoranthene	24.015	252	1036730	7.592	ng	99
89) Benzo(k)fluoranthene	24.092	252	1035127	7.771	ng	99
90) Benzo(a)pyrene	24.945	252	927501	7.827	ng	99
91) Dibenzo(a,h)anthracene	29.062	278	985531	7.696	ng	99
92) Benzo(g,h,i)perylene	30.133	276	951757	7.415	ng	99

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

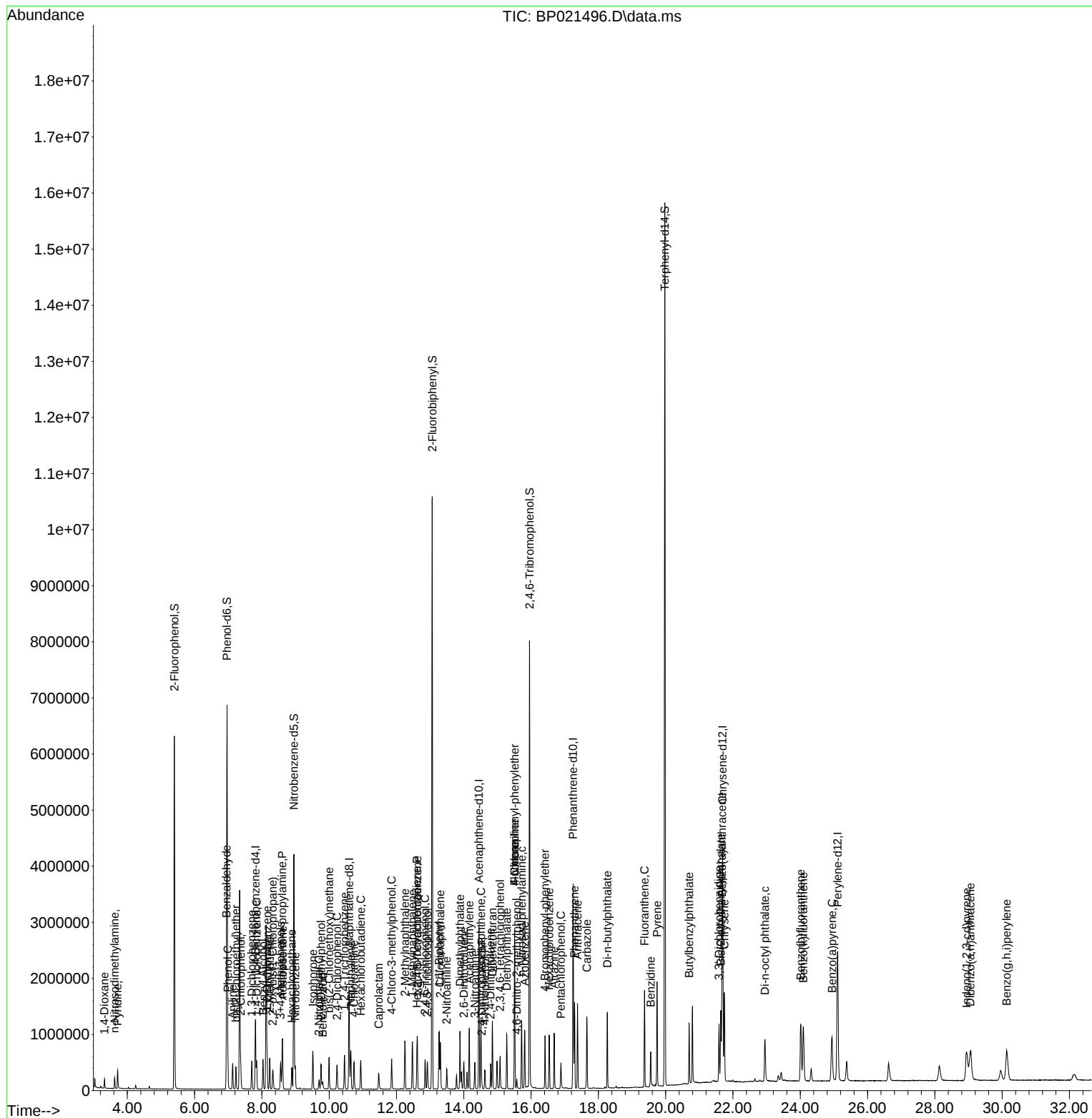
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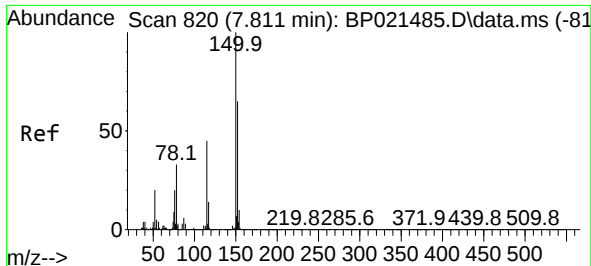
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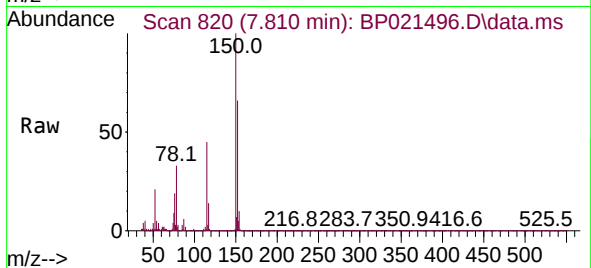
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

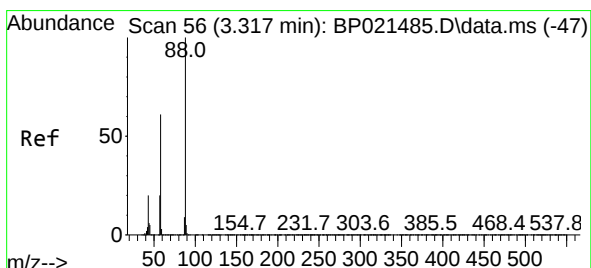
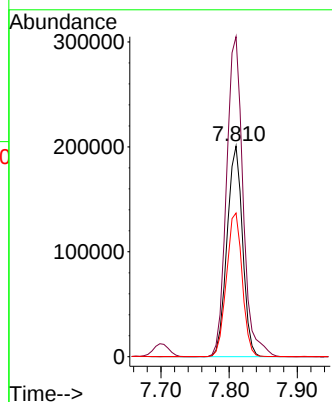
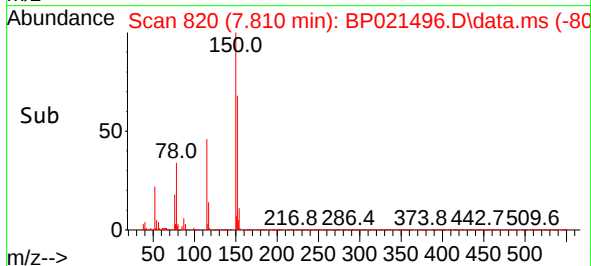
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:152 Resp: 31741
Ion Ratio Lower Upper
152 100
150 151.9 122.4 183.6
115 68.2 54.7 82.1

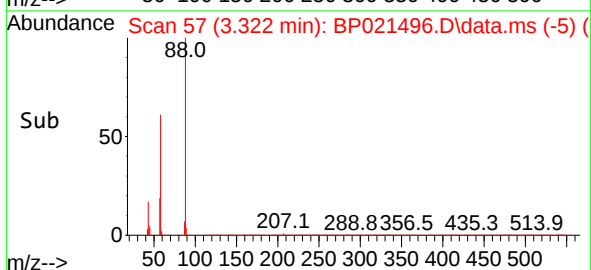
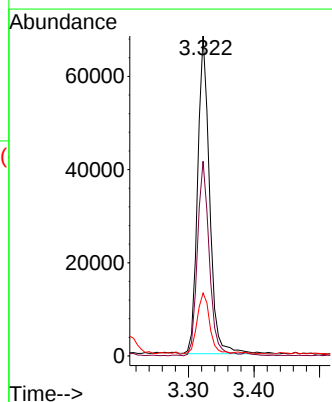
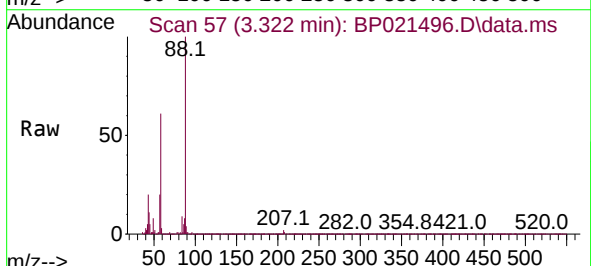
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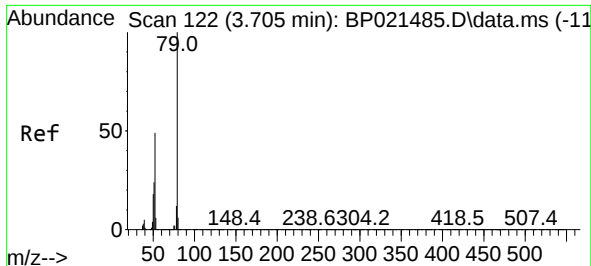
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#2
1,4-Dioxane
Concen: 8.530 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

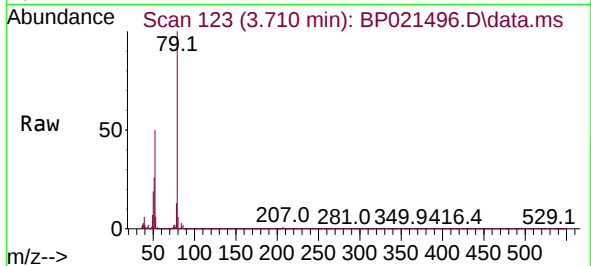
Tgt Ion: 88 Resp: 86456
Ion Ratio Lower Upper
88 100
58 61.2 48.7 73.1
43 20.4 15.4 23.2





#3
Pyridine
Concen: 7.415 ng
RT: 3.710 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

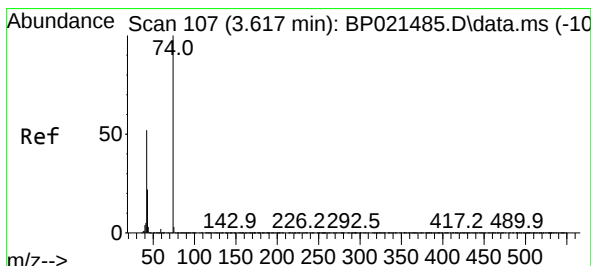
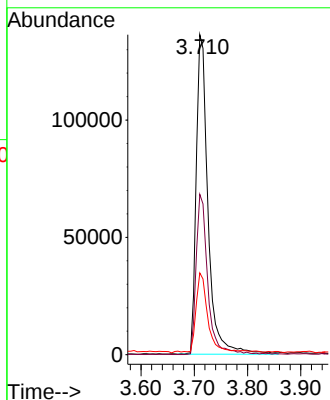
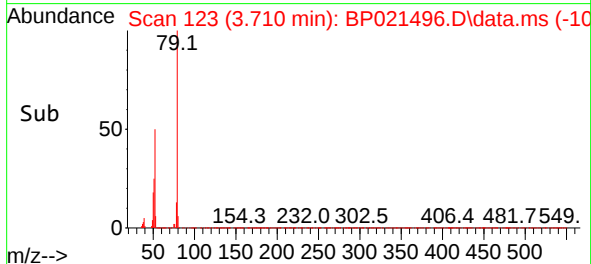
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Tgt Ion: 79 Resp: 209800
Ion Ratio Lower Upper
79 100
52 50.1 39.0 58.6
51 25.6 19.2 28.8

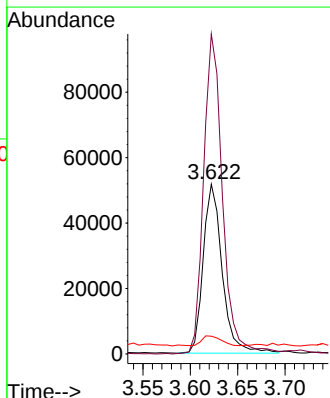
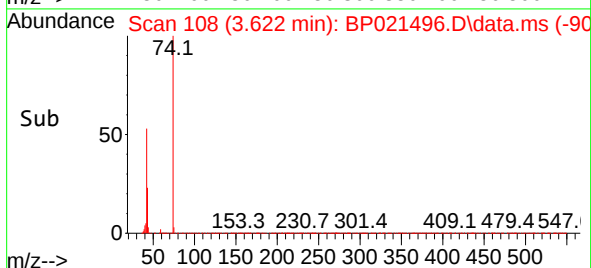
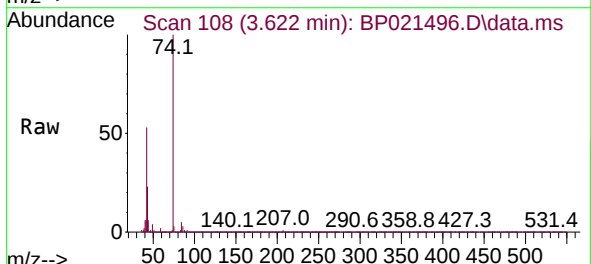
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#4
n-Nitrosodimethylamine
Concen: 8.465 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 42 Resp: 71997
Ion Ratio Lower Upper
42 100
74 188.4 154.3 231.5
44 10.5 6.2 9.4#





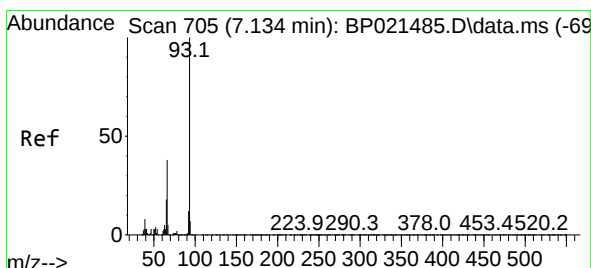
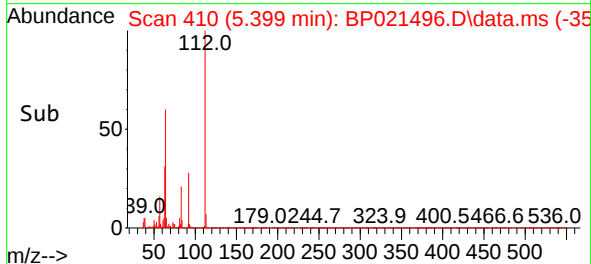
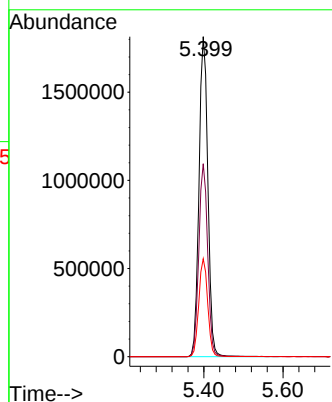
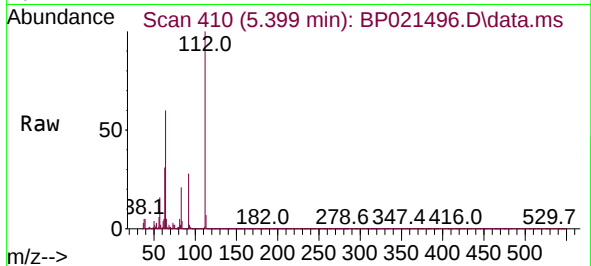
#5
2-Fluorophenol
Concen: 131.323 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.005 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:112 Resp: 2807220
Ion Ratio Lower Upper
112 100
64 60.3 49.0 73.6
63 30.6 24.6 36.8

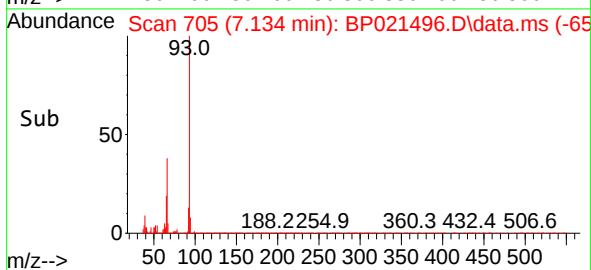
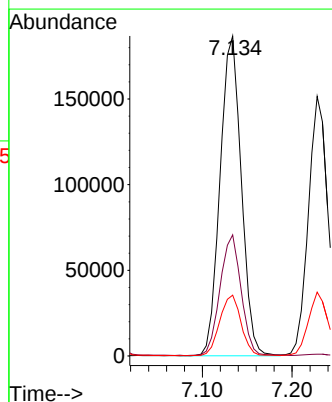
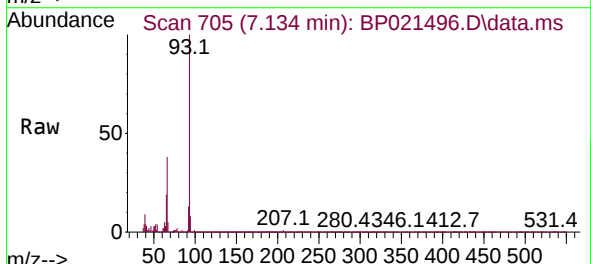
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#6
Aniline
Concen: 9.824 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

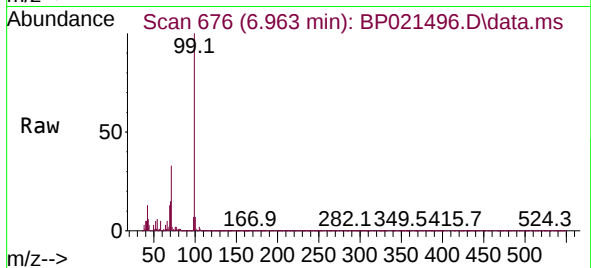
Tgt Ion: 93 Resp: 306275
Ion Ratio Lower Upper
93 100
66 37.9 30.2 45.2
65 19.0 14.7 22.1





#7
Phenol-d6
Concen: 130.551 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

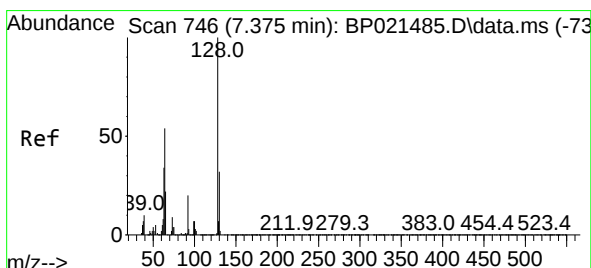
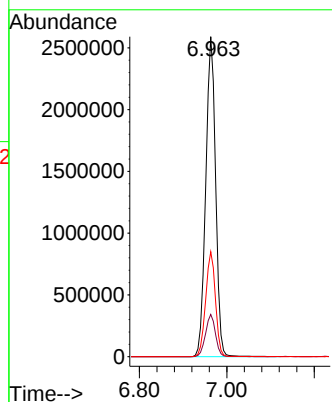
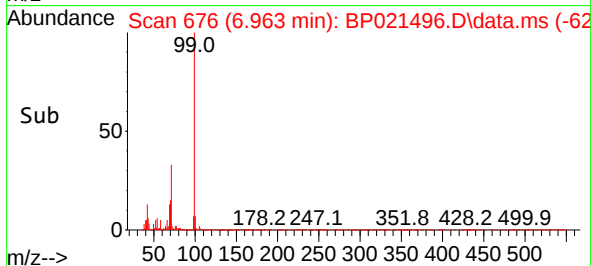
Instrument :
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Tgt Ion: 99 Resp: 4071020
Ion Ratio Lower Upper
99 100
42 13.2 10.2 15.4
71 32.8 25.8 38.8

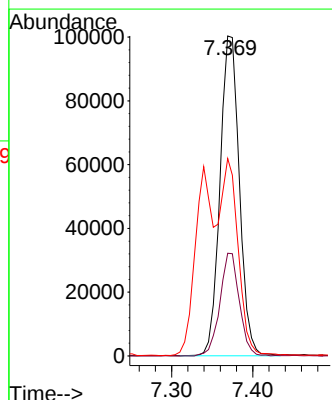
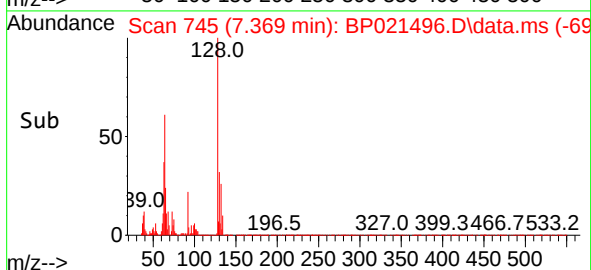
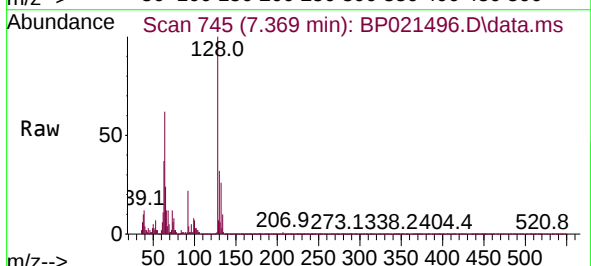
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#8
2-Chlorophenol
Concen: 8.424 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:128 Resp: 166416
Ion Ratio Lower Upper
128 100
130 32.1 11.6 51.6
64 61.7 35.3 75.3





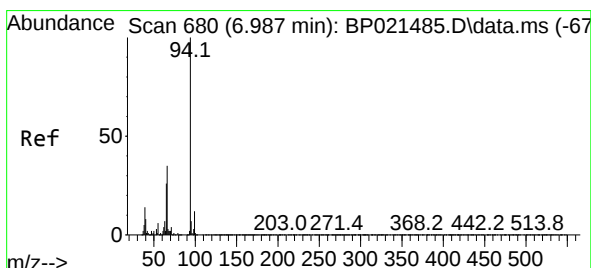
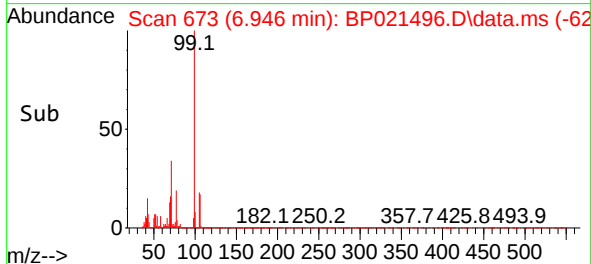
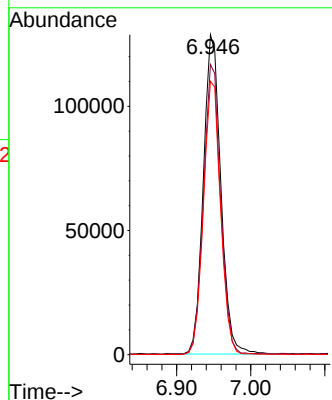
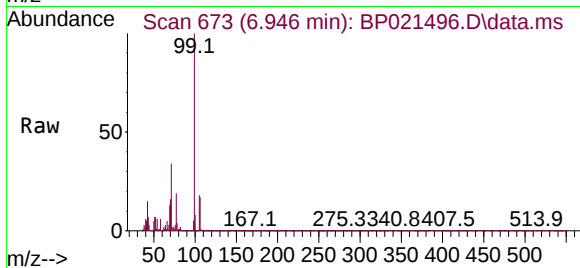
#9
Benzaldehyde
Concen: 10.557 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 77 Resp: 210772
Ion Ratio Lower Upper
77 100
105 90.7 72.1 112.1
106 85.5 67.9 107.9

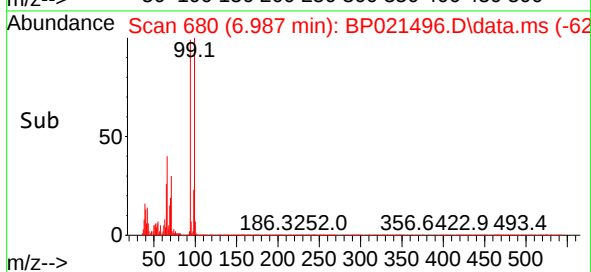
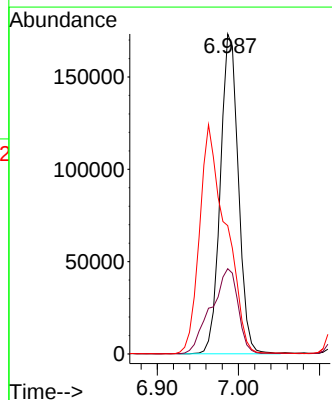
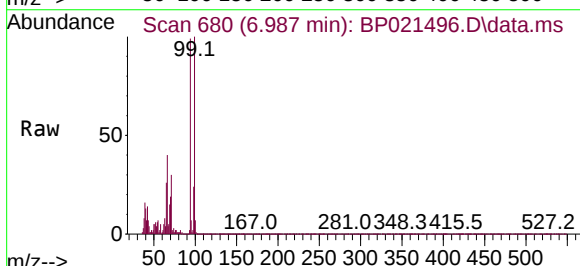
Manual Integrations
APPROVED

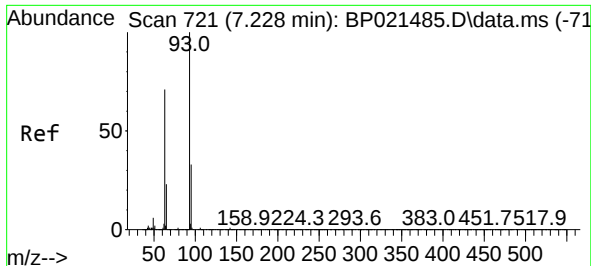
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#10
Phenol
Concen: 8.272 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 94 Resp: 267109
Ion Ratio Lower Upper
94 100
65 26.7 6.5 46.5
66 40.1 14.7 54.7





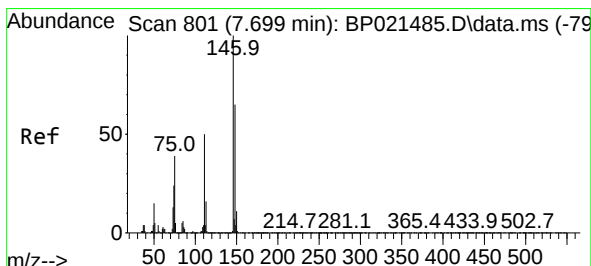
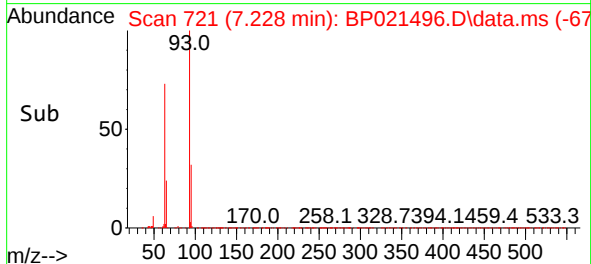
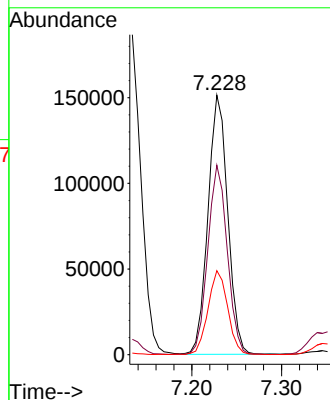
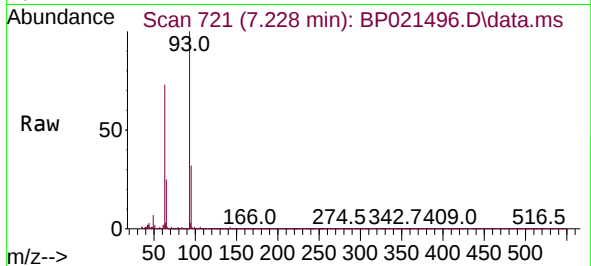
#11
bis(2-Chloroethyl)ether
Concen: 8.454 ng
RT: 7.228 min Scan# 721
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 93 Resp: 230999
Ion Ratio Lower Upper
93 100
63 73.0 51.0 91.0
95 32.4 12.9 52.9

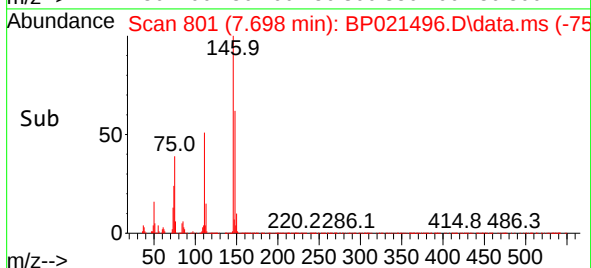
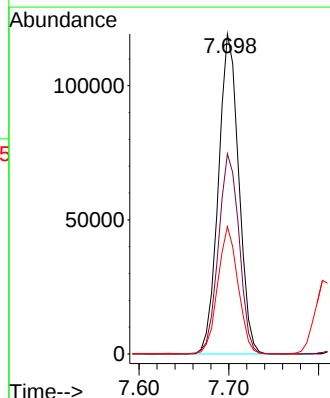
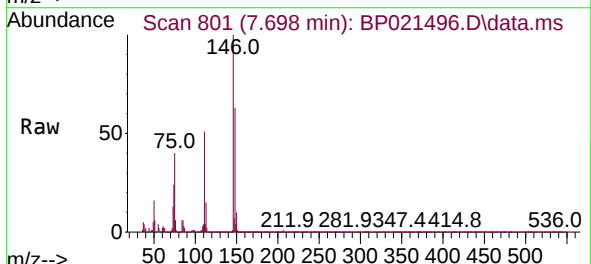
Manual Integrations
APPROVED

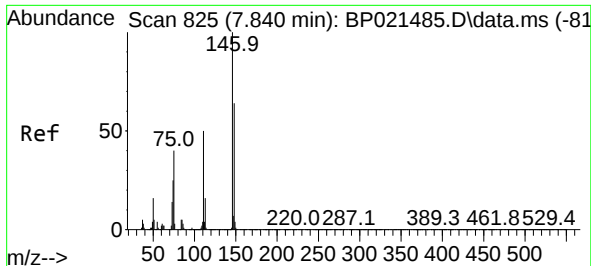
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#12
1,3-Dichlorobenzene
Concen: 7.994 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:146 Resp: 187585
Ion Ratio Lower Upper
146 100
148 62.5 51.8 77.6
75 39.8 31.3 46.9





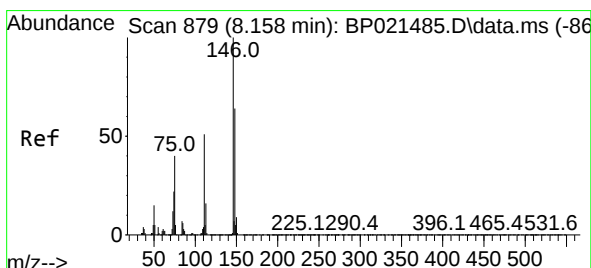
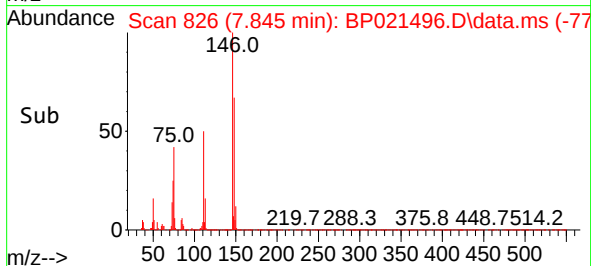
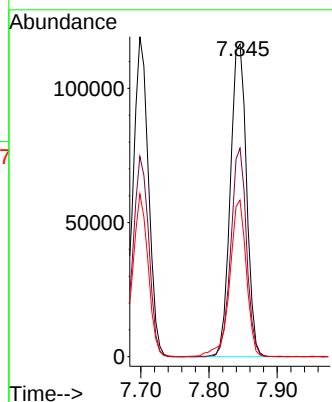
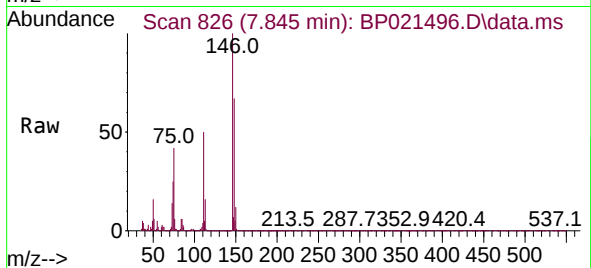
#13
1,4-Dichlorobenzene
Concen: 8.098 ng
RT: 7.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:146 Resp: 191872
Ion Ratio Lower Upper
146 100
148 66.7 51.5 77.3
111 50.1 40.3 60.5

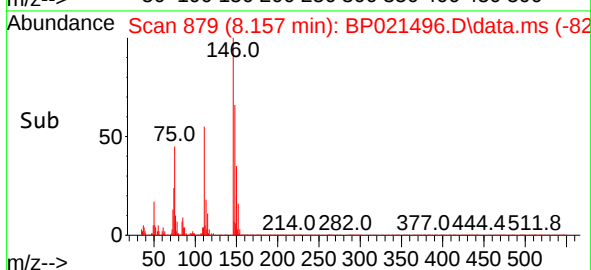
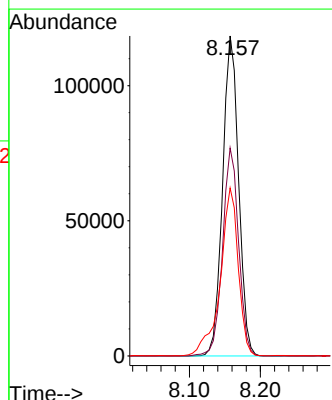
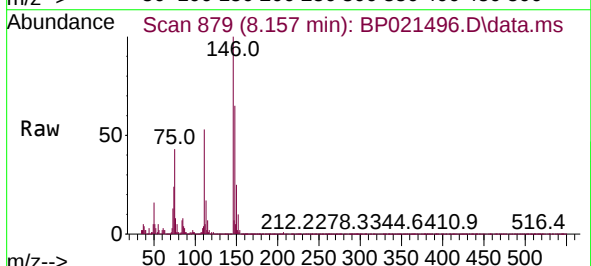
Manual Integrations
APPROVED

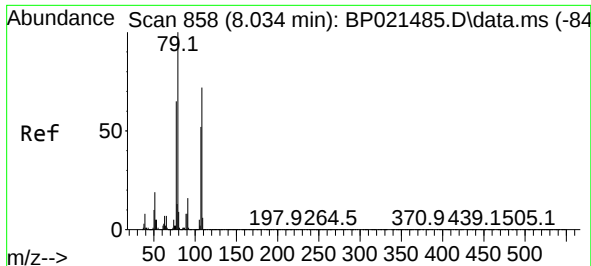
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#14
1,2-Dichlorobenzene
Concen: 8.075 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

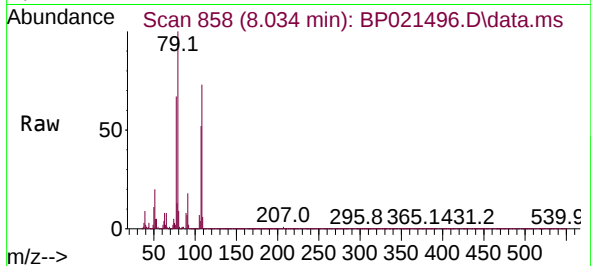
Tgt Ion:146 Resp: 184375
Ion Ratio Lower Upper
146 100
148 65.0 51.5 77.3
111 52.5 41.1 61.7





#15
Benzyl Alcohol
Concen: 8.593 ng
RT: 8.034 min Scan# 858
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

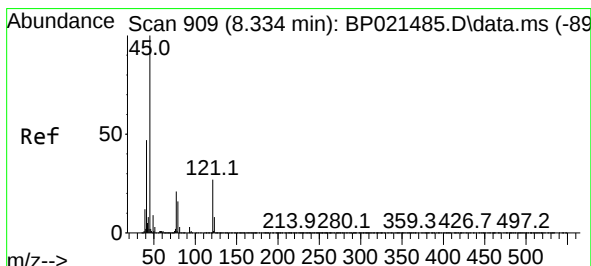
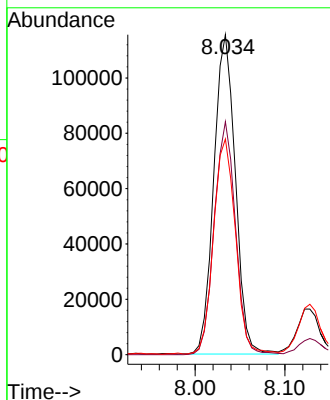
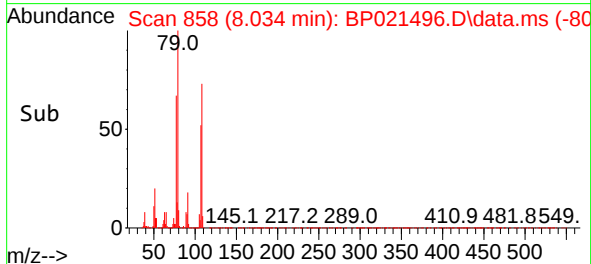
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



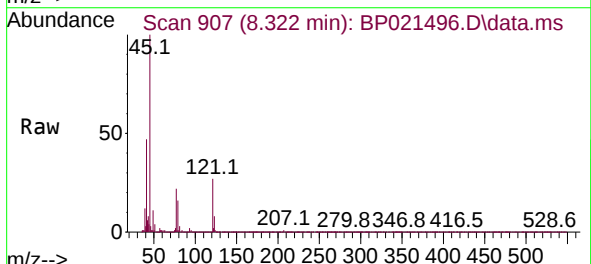
Tgt Ion: 79 Resp: 192268
Ion Ratio Lower Upper
79 100
108 72.8 57.9 86.9
77 67.4 51.8 77.8

Manual Integrations
APPROVED

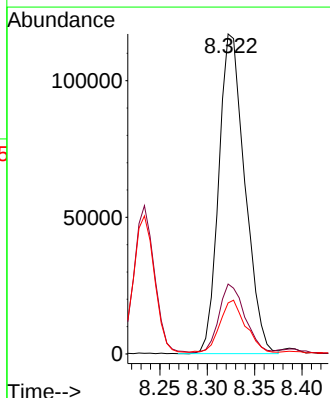
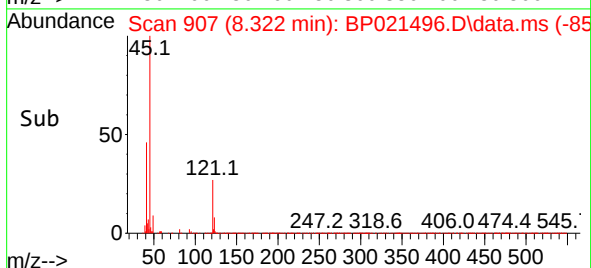
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

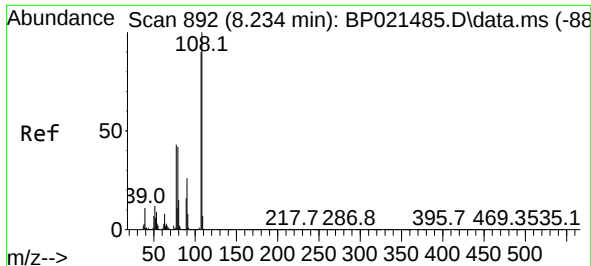


#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.931 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06



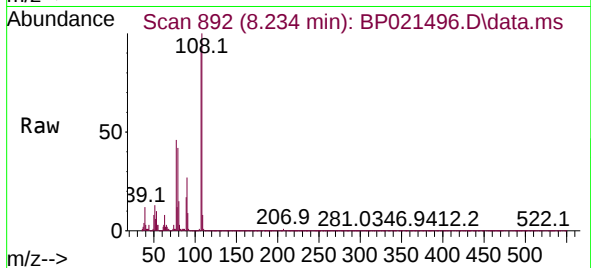
Tgt Ion: 45 Resp: 224729
Ion Ratio Lower Upper
45 100
77 21.9 1.9 41.9
79 15.9 0.0 36.6





#17
2-Methylphenol
Concen: 8.079 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

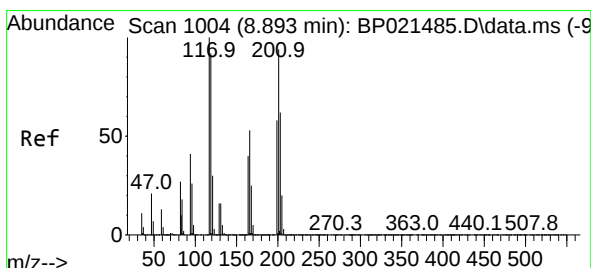
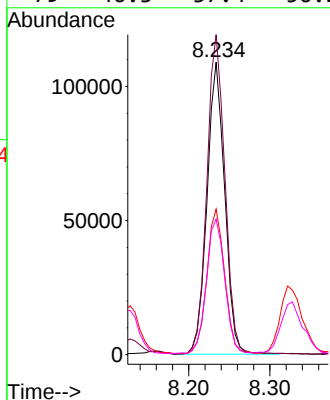
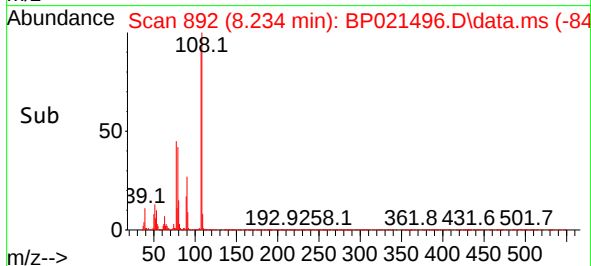
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



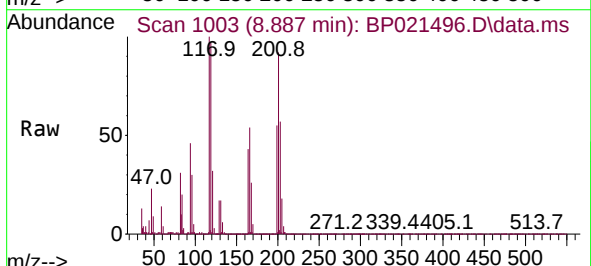
Tgt Ion:	107	Resp:	164934
Ion	Ratio	Lower	Upper
107	100		
108	109.4	88.8	133.2
77	49.8	38.7	58.1
79	46.3	37.4	56.2

Manual Integrations
APPROVED

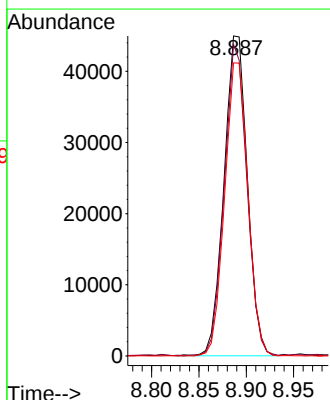
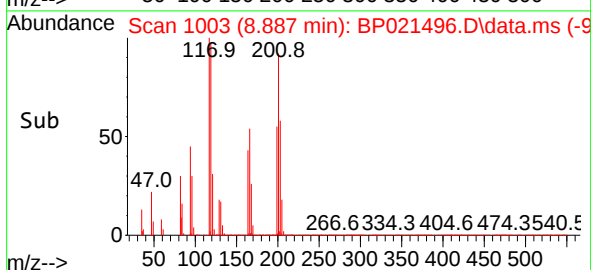
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#18
Hexachloroethane
Concen: 8.144 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06



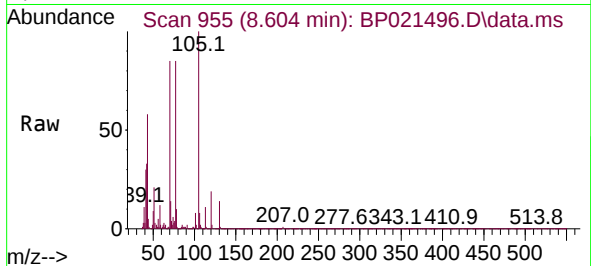
Tgt Ion:	117	Resp:	77376
Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.9	110.9
201	91.6	74.9	112.3





#19
n-Nitroso-di-n-propylamine
Concen: 8.778 ng
RT: 8.604 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

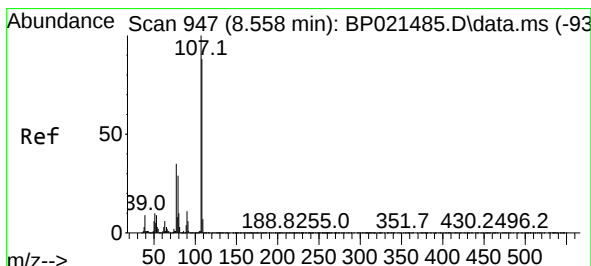
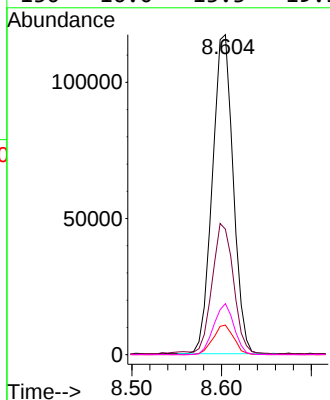
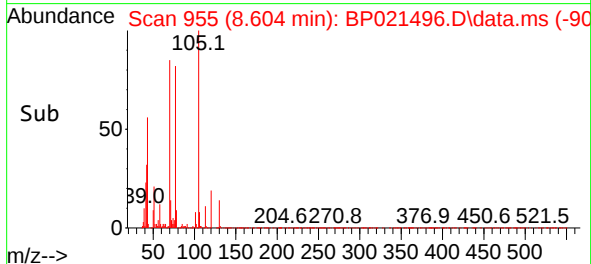
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



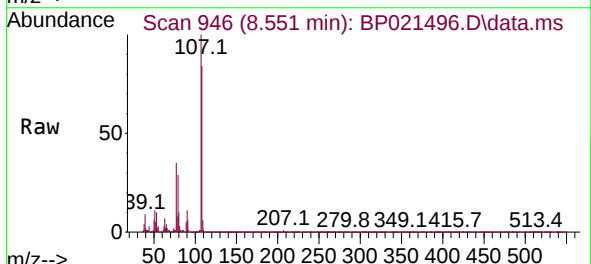
Tgt Ion: 70 Resp: 18909
Ion Ratio Lower Upper
70 100
42 39.2 33.1 49.7
101 9.2 7.4 11.2
130 16.0 13.3 19.9

Manual Integrations
APPROVED

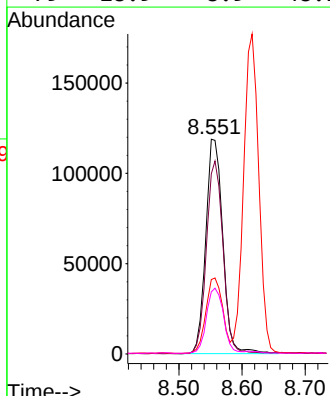
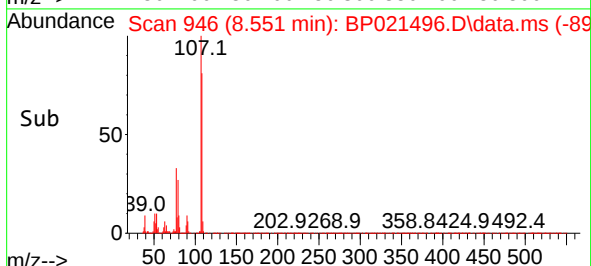
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

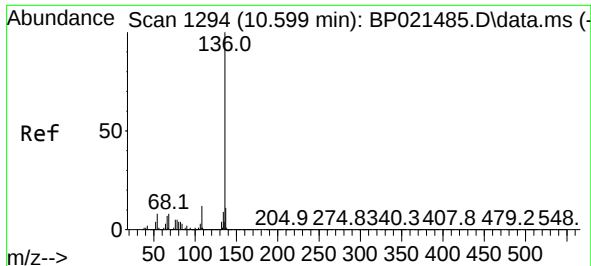


#20
3+4-Methylphenols
Concen: 8.092 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06



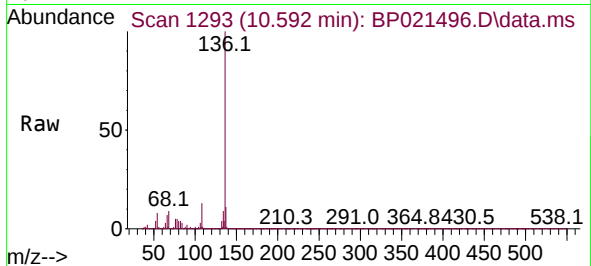
Tgt Ion:107 Resp: 222751
Ion Ratio Lower Upper
107 100
108 83.9 67.6 107.6
77 34.7 15.0 55.0
79 28.9 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.007 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

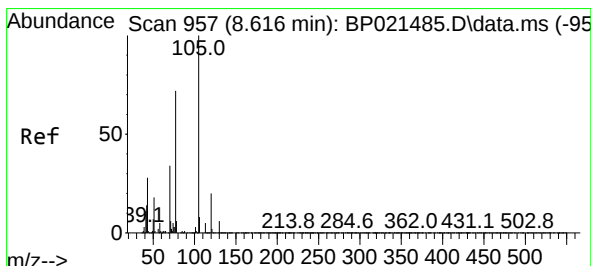
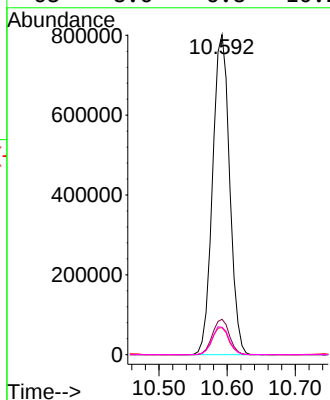
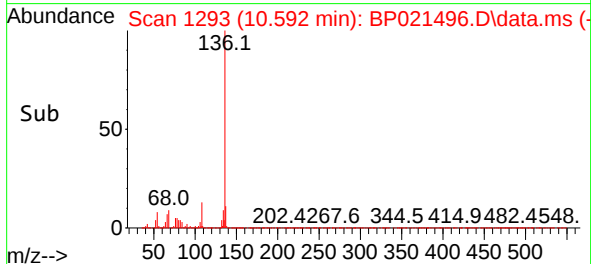
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:136 Resp: 139080
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 6.3 9.5
68 8.6 6.8 10.2

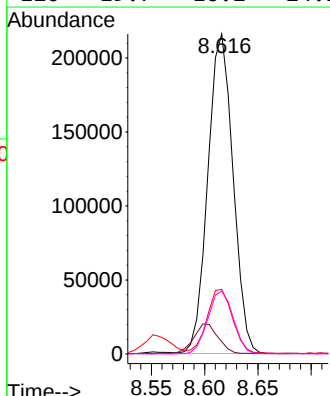
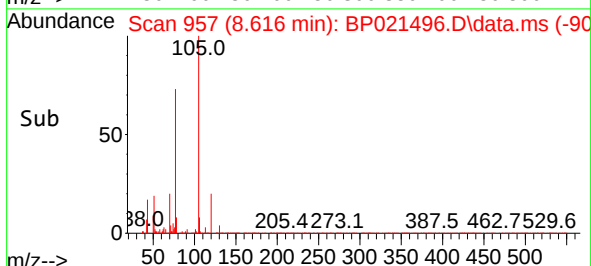
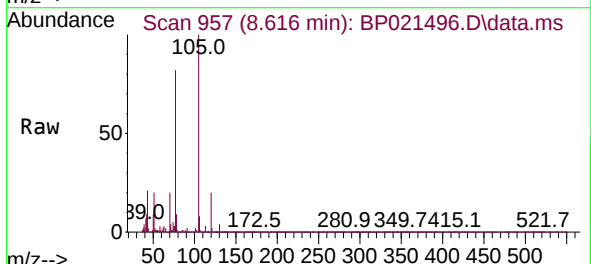
Manual Integrations
APPROVED

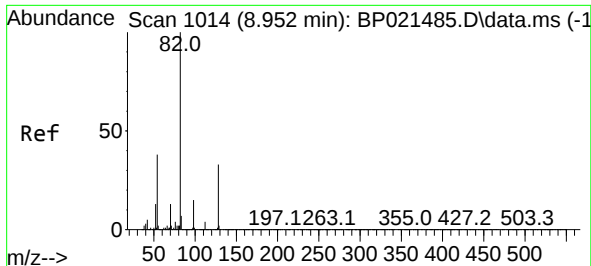
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#22
Acetophenone
Concen: 8.296 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

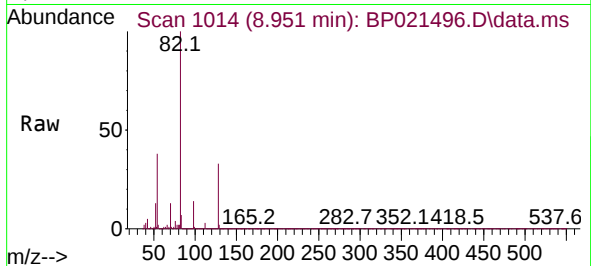
Tgt Ion:105 Resp: 354486
Ion Ratio Lower Upper
105 100
71 3.8 4.6 7.0#
51 20.2 16.3 24.5
120 19.7 16.2 24.2





#23
Nitrobenzene-d5
Concen: 97.584 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

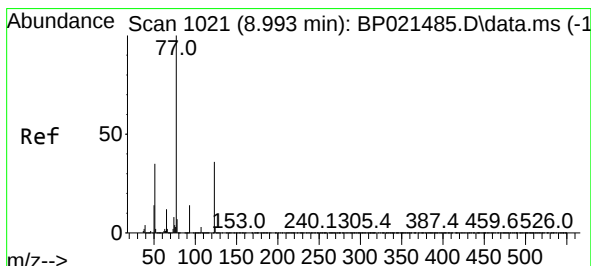
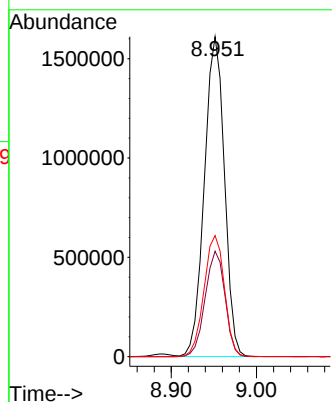
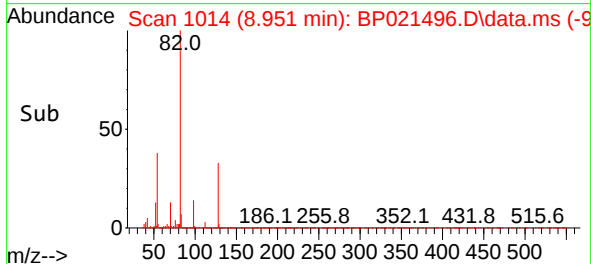
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 82 Resp: 262946
Ion Ratio Lower Upper
82 100
128 33.0 26.5 39.7
54 37.9 30.3 45.5

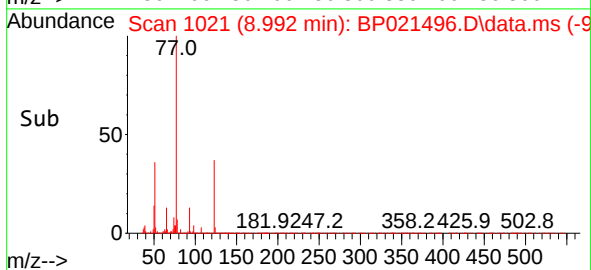
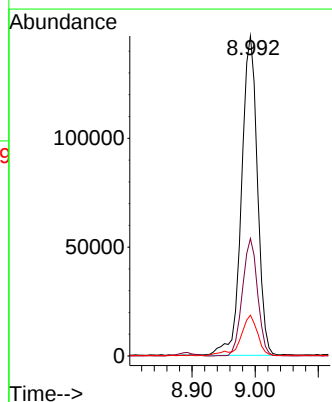
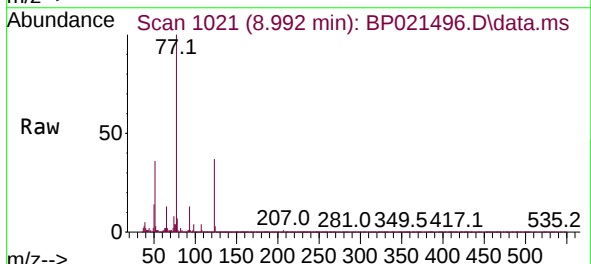
Manual Integrations
APPROVED

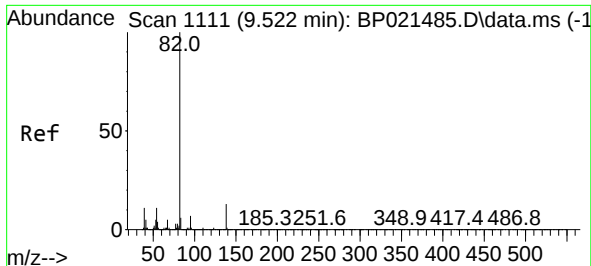
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#24
Nitrobenzene
Concen: 8.768 ng
RT: 8.992 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

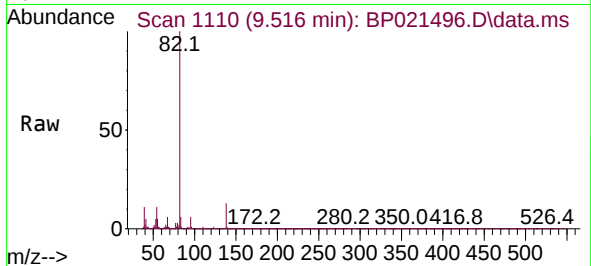
Tgt Ion: 77 Resp: 256614
Ion Ratio Lower Upper
77 100
123 36.7 29.5 44.3
65 12.7 9.9 14.9





#25
Isophorone
Concen: 8.499 ng
RT: 9.516 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

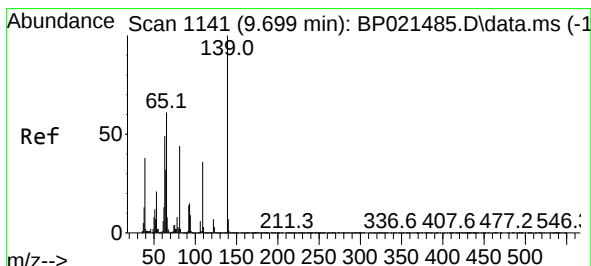
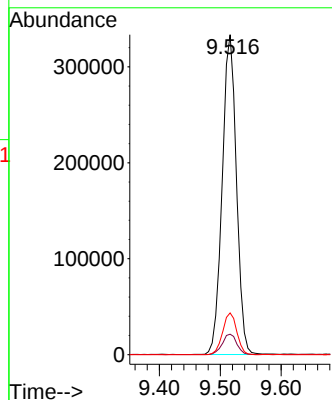
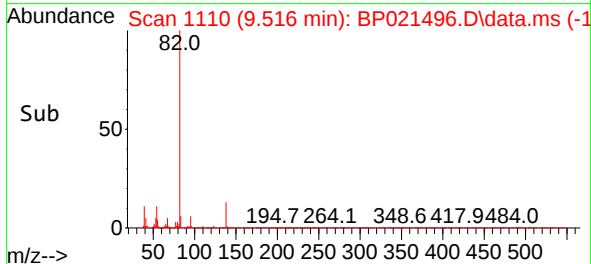
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



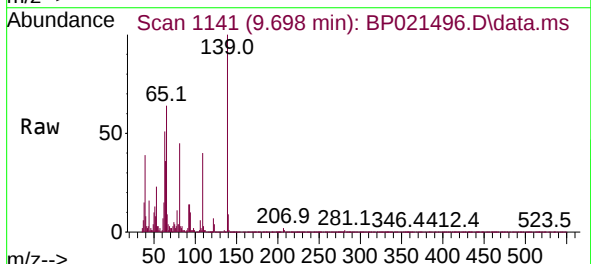
Tgt Ion: 82 Resp: 54104
Ion Ratio Lower Upper
82 100
95 6.4 5.4 8.2
138 13.0 10.6 16.0

Manual Integrations
APPROVED

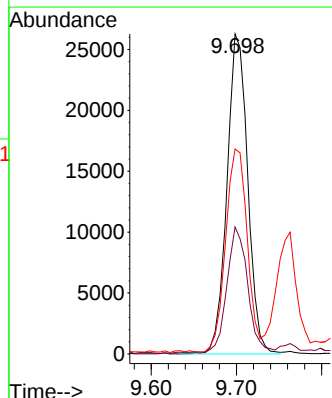
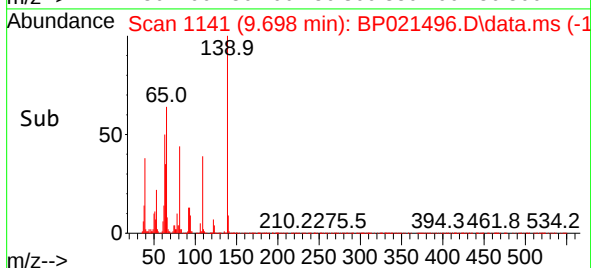
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

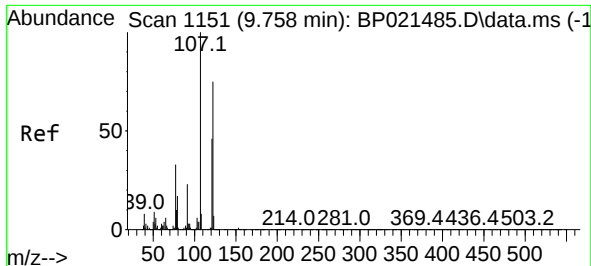


#26
2-Nitrophenol
Concen: 10.266 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.001 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06



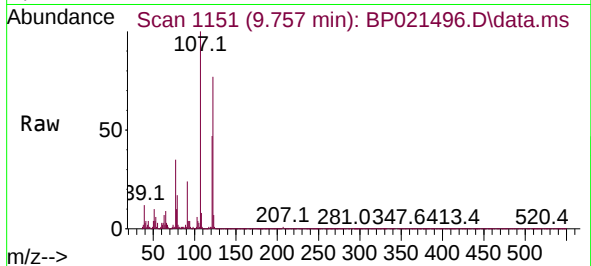
Tgt Ion:139 Resp: 44502
Ion Ratio Lower Upper
139 100
109 39.7 28.9 43.3
65 64.1 49.0 73.6





#27
2,4-Dimethylphenol
Concen: 8.246 ng
RT: 9.757 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

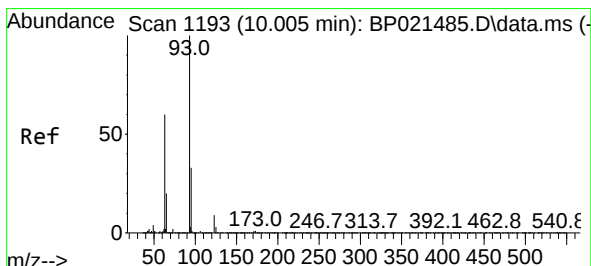
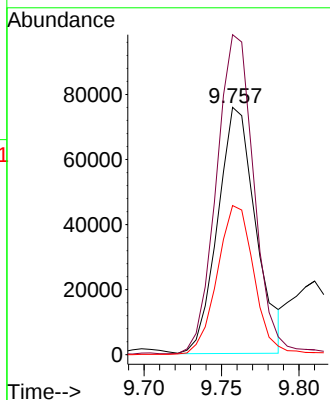
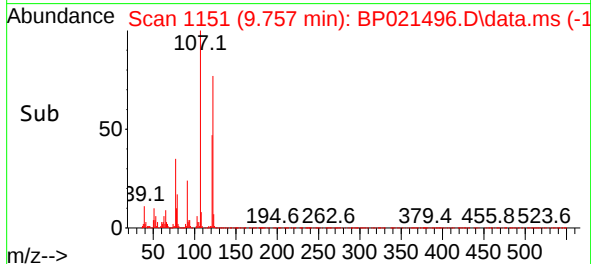
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:122 Resp: 129549
Ion Ratio Lower Upper
122 100
107 129.4 106.2 159.4
121 60.3 48.8 73.2

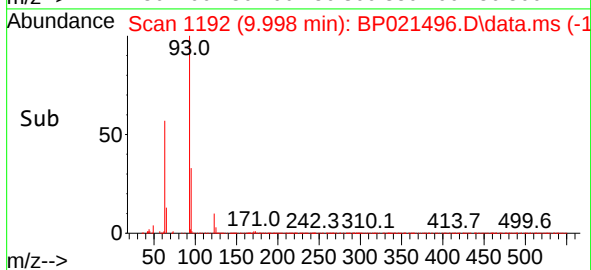
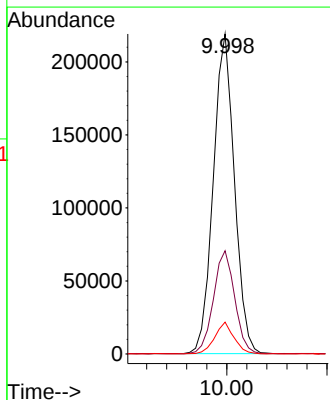
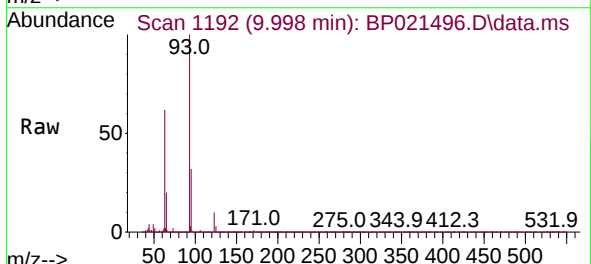
Manual Integrations
APPROVED

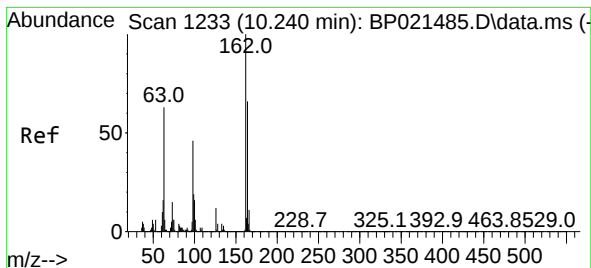
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.250 ng
RT: 9.998 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

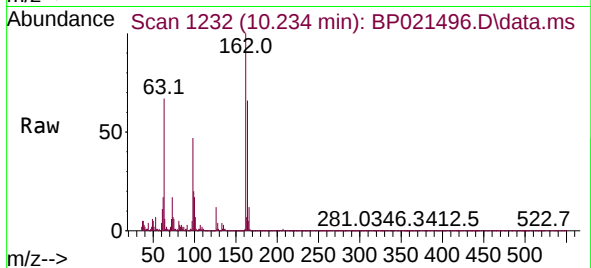
Tgt Ion: 93 Resp: 320581
Ion Ratio Lower Upper
93 100
95 32.3 26.2 39.4
123 9.9 7.6 11.4





#29
2,4-Dichlorophenol
Concen: 7.687 ng
RT: 10.234 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

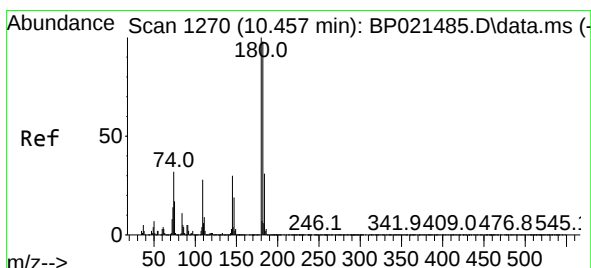
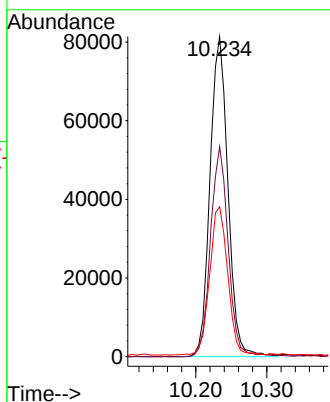
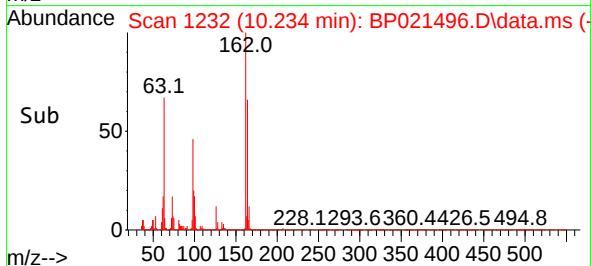
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



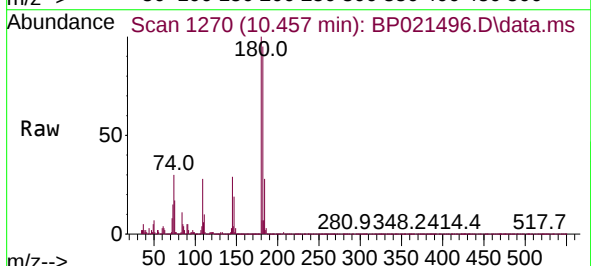
Tgt Ion:162 Resp: 142680
Ion Ratio Lower Upper
162 100
164 65.7 45.9 85.9
98 46.8 26.3 66.3

Manual Integrations
APPROVED

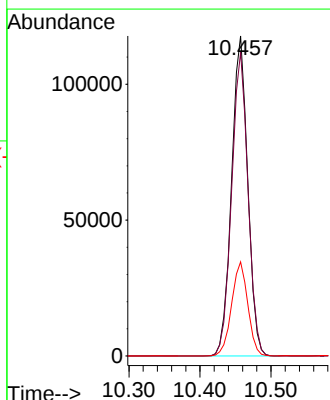
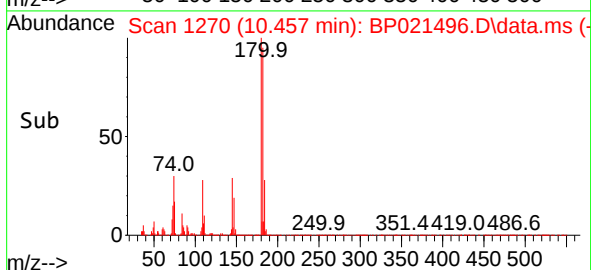
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

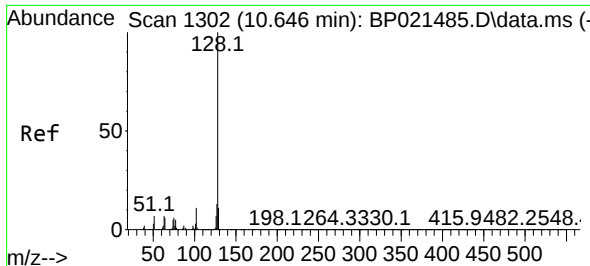


#30
1,2,4-Trichlorobenzene
Concen: 7.838 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06



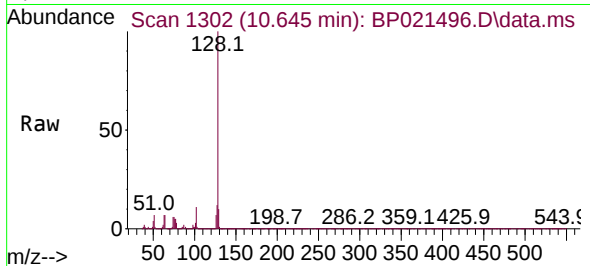
Tgt Ion:180 Resp: 186522
Ion Ratio Lower Upper
180 100
182 94.9 78.3 117.5
145 29.4 24.0 36.0





#31
Naphthalene
Concen: 8.033 ng
RT: 10.645 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

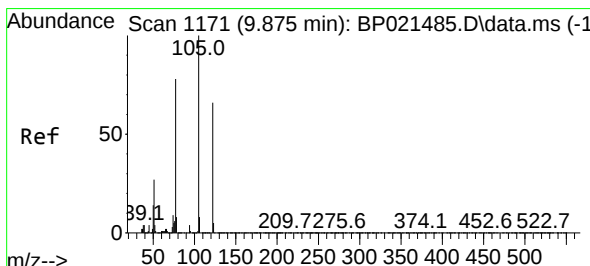
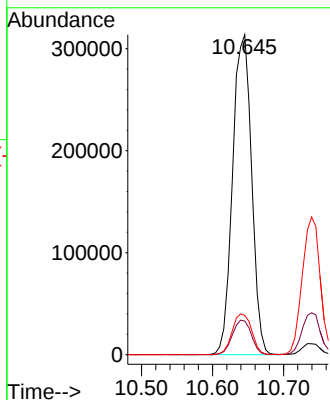
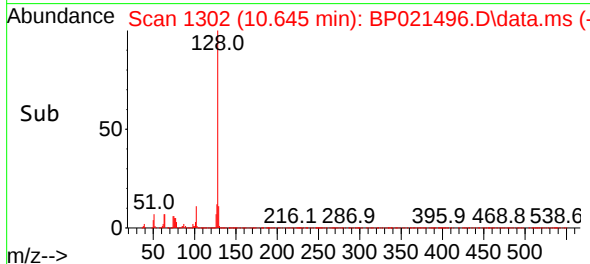
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:128 Resp: 583614
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 12.3 10.6 15.8

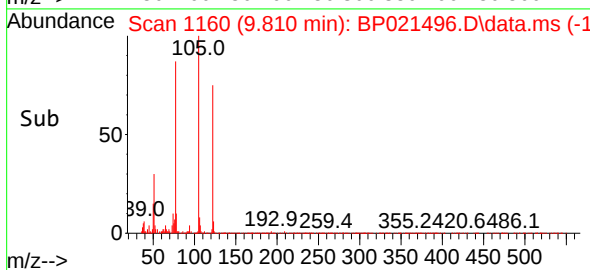
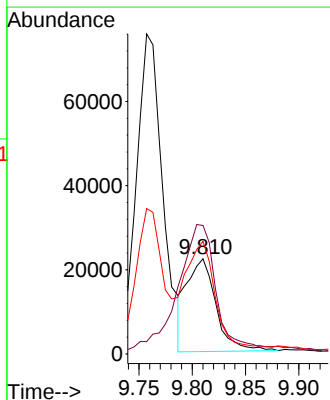
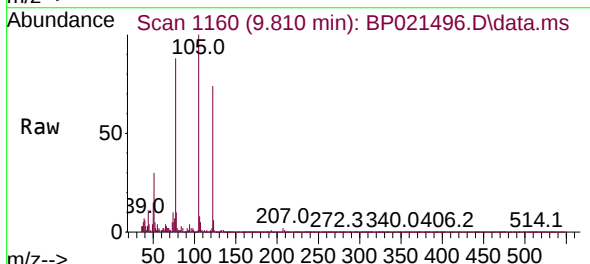
Manual Integrations
APPROVED

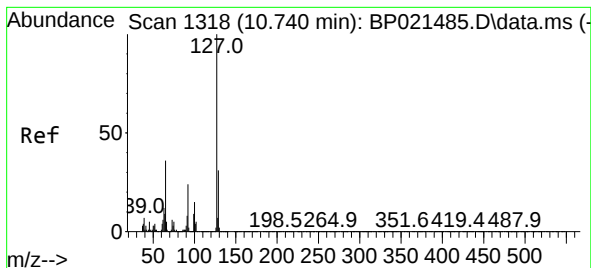
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#32
Benzoic acid
Concen: 8.801 ng
RT: 9.810 min Scan# 1160
Delta R.T. -0.065 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

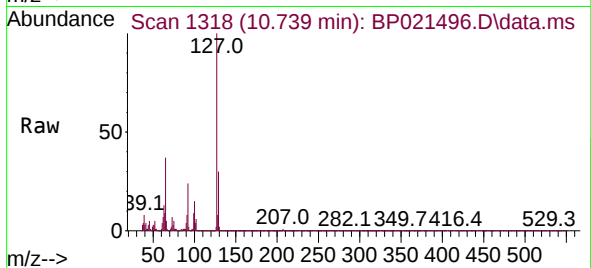
Tgt Ion:122 Resp: 42410
Ion Ratio Lower Upper
122 100
105 135.0 124.6 164.6
77 118.4 96.2 136.2





#33
4-Chloroaniline
Concen: 8.719 ng
RT: 10.739 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

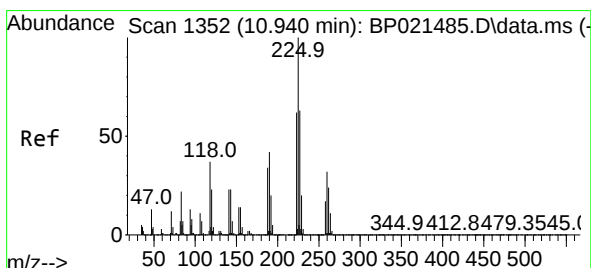
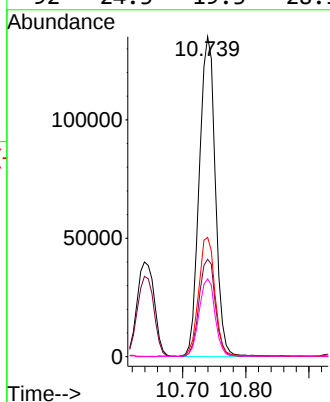
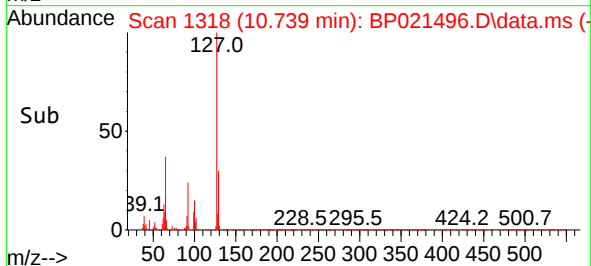
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.5	24.5	36.7
65	37.3	28.9	43.3
92	24.3	19.3	28.9

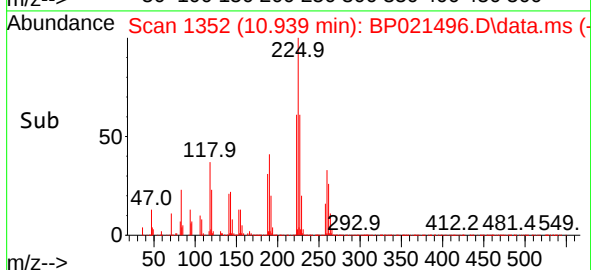
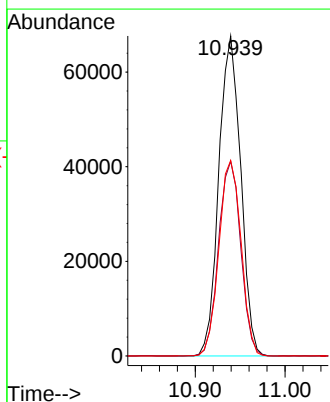
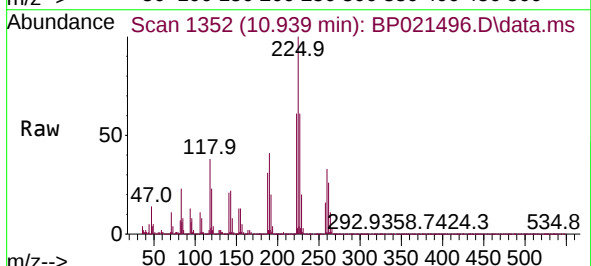
Manual Integrations
APPROVED

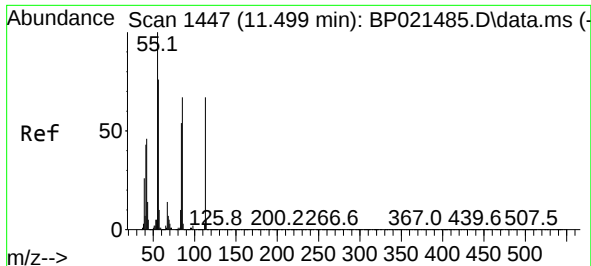
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#34
Hexachlorobutadiene
Concen: 7.639 ng
RT: 10.939 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

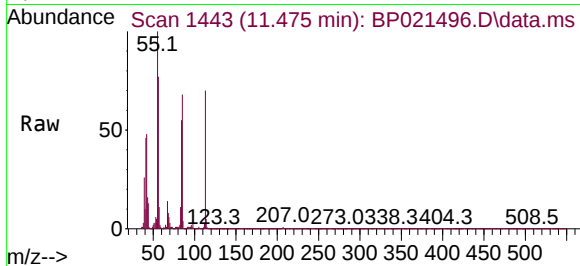
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	49.6	74.4
227	61.1	50.1	75.1





#35
Caprolactam
Concen: 8.365 ng
RT: 11.475 min Scan# 1447
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

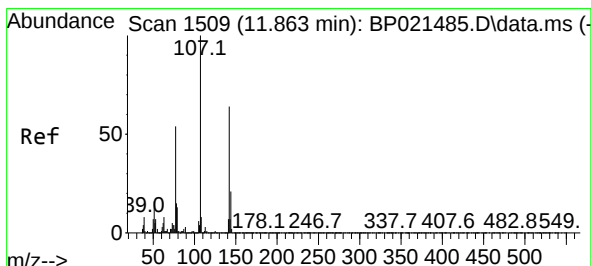
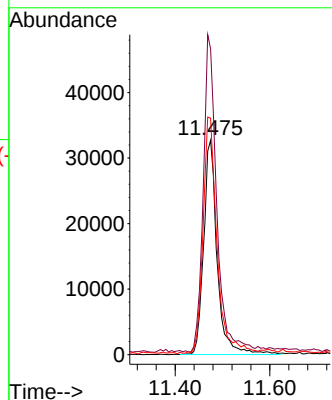
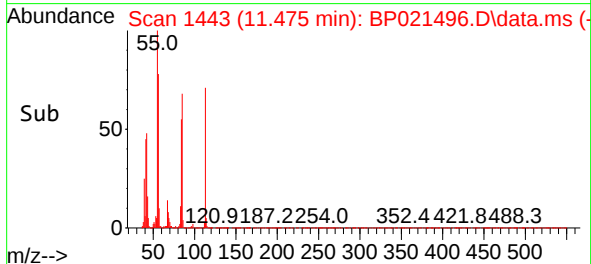
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:113 Resp: 64629
Ion Ratio Lower Upper
113 100
55 142.6 130.6 170.6
56 110.2 94.6 134.6

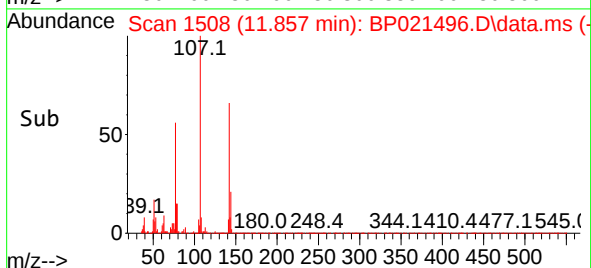
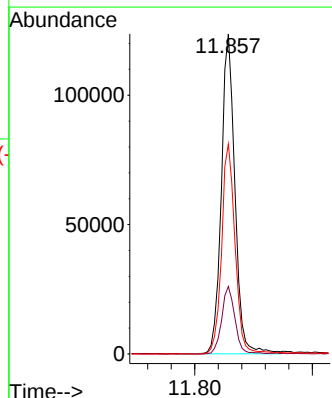
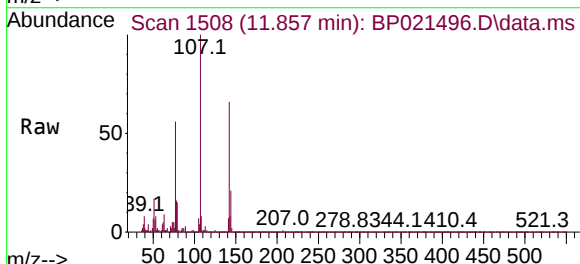
Manual Integrations
APPROVED

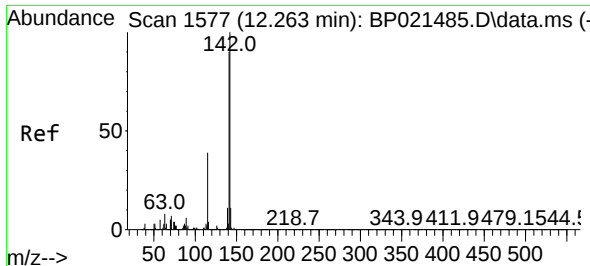
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#36
4-Chloro-3-methylphenol
Concen: 7.721 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:107 Resp: 198808
Ion Ratio Lower Upper
107 100
144 21.1 16.6 24.8
142 65.7 51.0 76.4





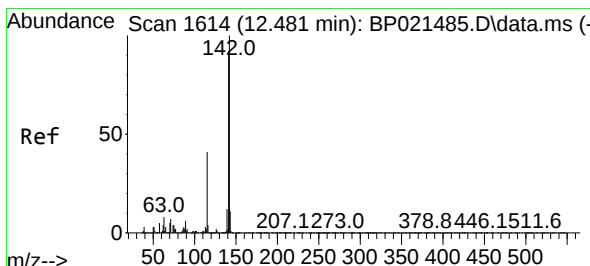
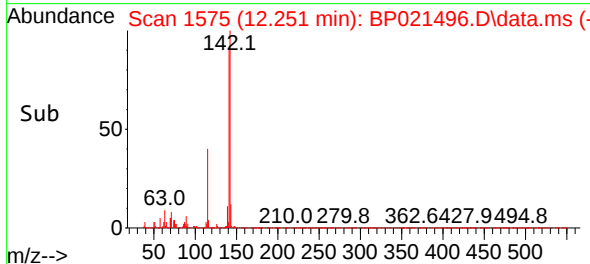
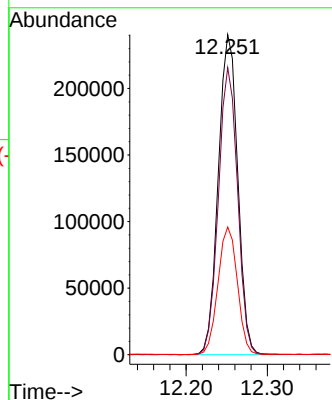
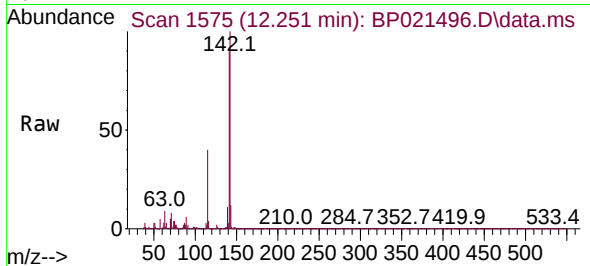
#37
2-Methylnaphthalene
Concen: 8.070 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:142 Resp: 400170
Ion Ratio Lower Upper
142 100
141 89.7 71.7 107.5
115 39.9 31.4 47.2

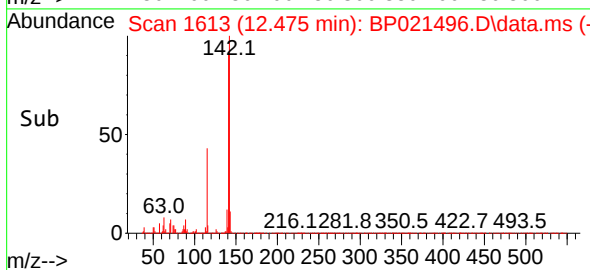
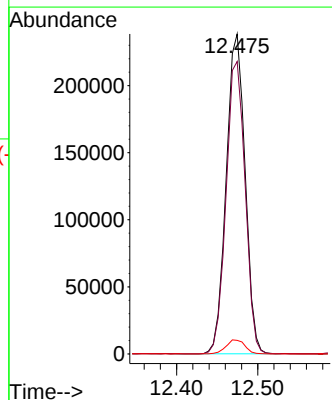
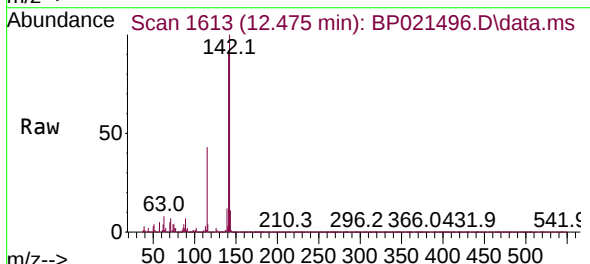
Manual Integrations
APPROVED

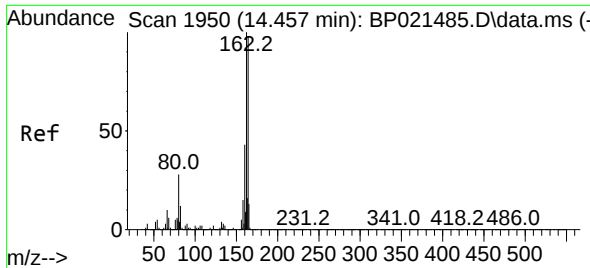
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#38
1-Methylnaphthalene
Concen: 7.886 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

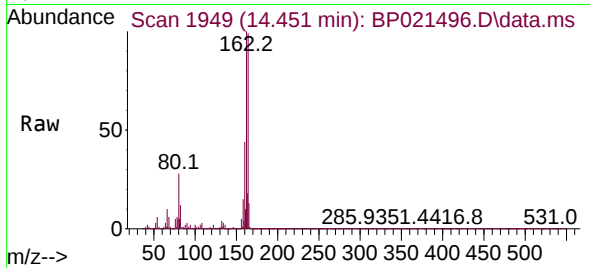
Tgt Ion:142 Resp: 385680
Ion Ratio Lower Upper
142 100
141 91.4 73.5 110.3
116 4.2 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

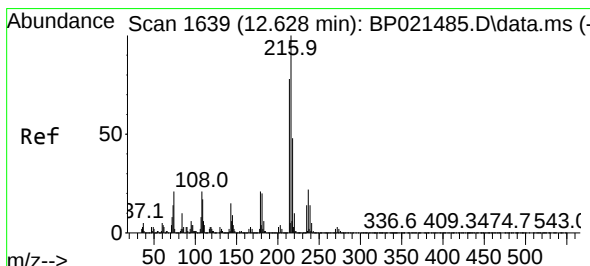
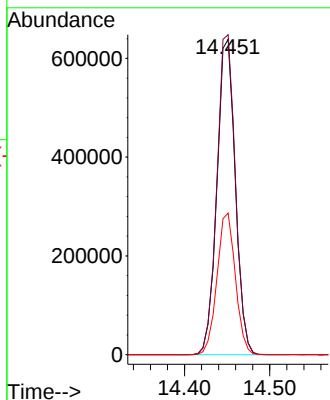
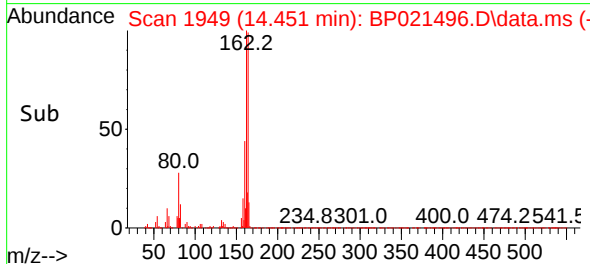
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



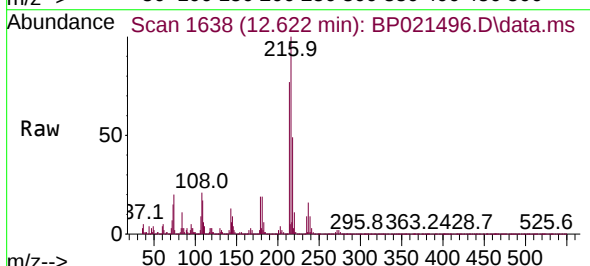
Tgt Ion:164 Resp: 953814
Ion Ratio Lower Upper
164 100
162 101.5 81.5 122.3
160 44.9 35.2 52.8

Manual Integrations
APPROVED

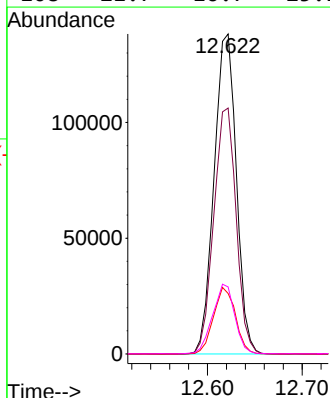
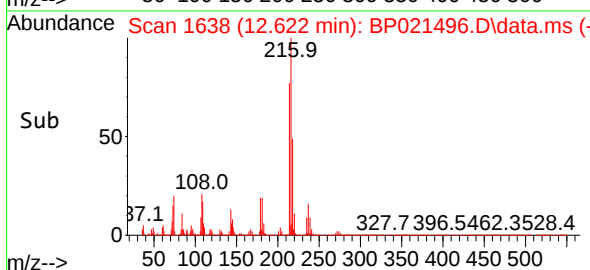
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

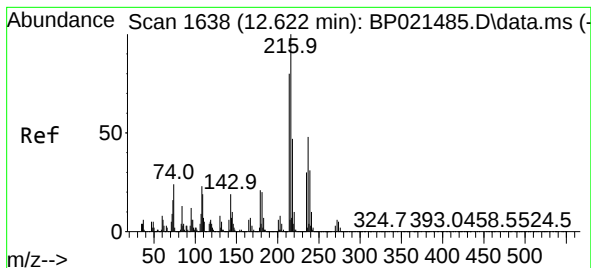


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.083 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06



Tgt Ion:216 Resp: 225883
Ion Ratio Lower Upper
216 100
214 77.2 62.5 93.7
179 20.6 16.4 24.6
108 21.7 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 8.493 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

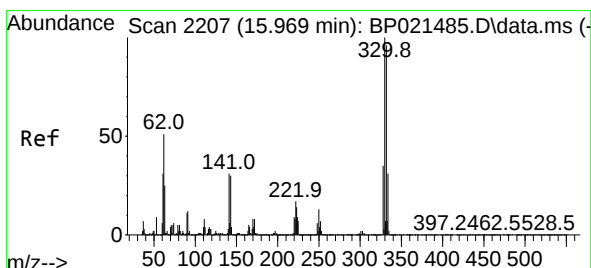
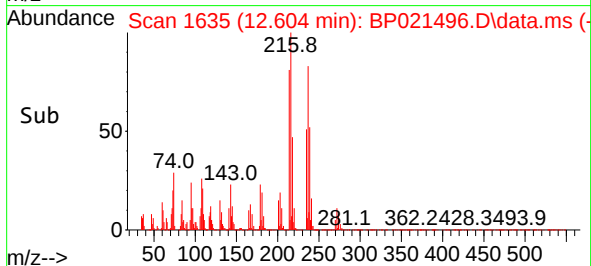
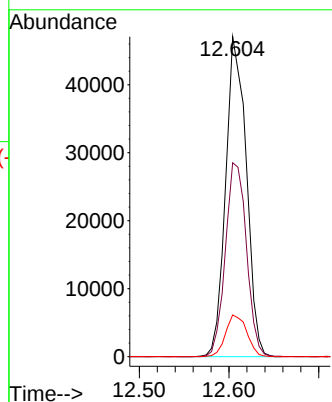
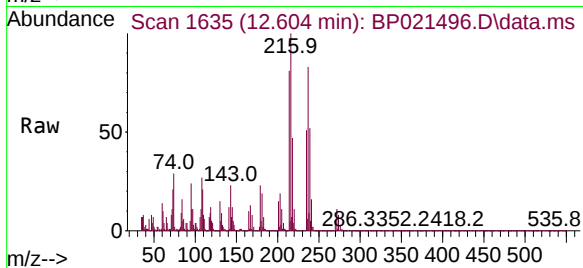
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	237	Resp:	7522
Ion Ratio	Lower	Upper	
237	100		
235	60.6	43.9	83.9
272	13.1	0.0	33.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#42

2,4,6-Tribromophenol

Concen: 140.122 ng

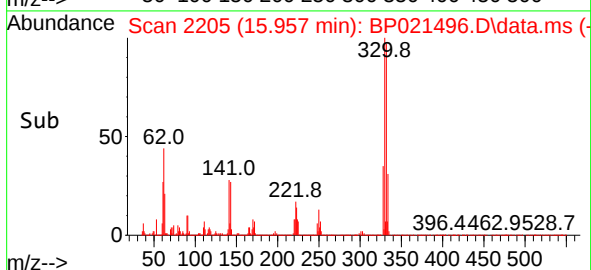
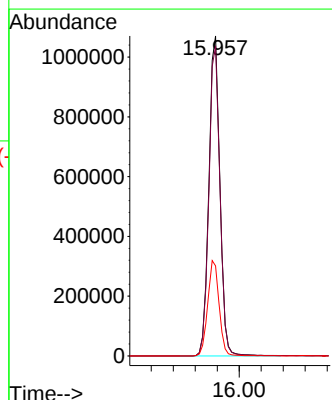
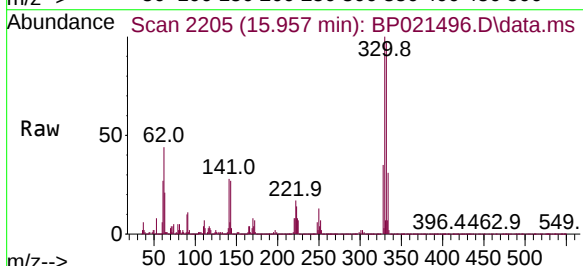
RT: 15.957 min Scan# 2205

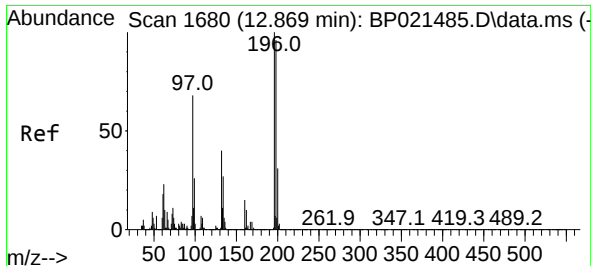
Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

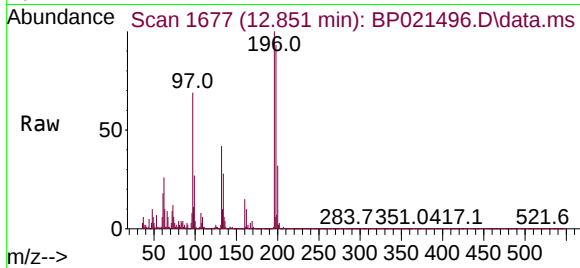
Tgt Ion:	330	Resp:	1487473
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.4	116.0
141	30.9	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 7.360 ng
RT: 12.851 min Scan# 1680
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

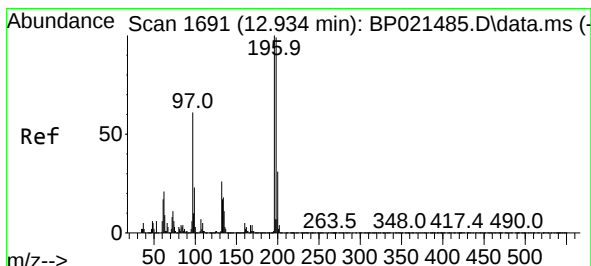
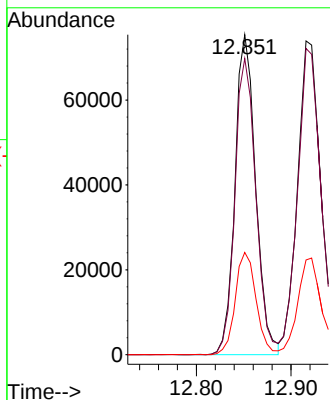
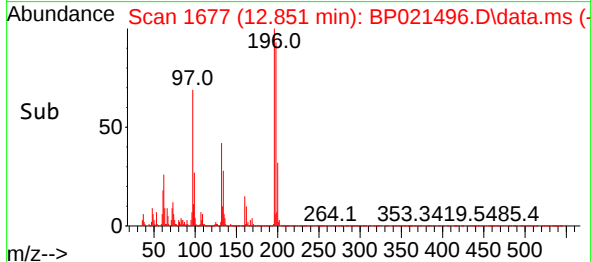
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:196 Resp: 114264
Ion Ratio Lower Upper
196 100
198 92.6 76.6 114.8
200 31.9 24.5 36.7

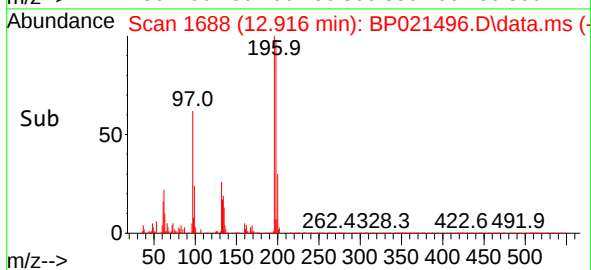
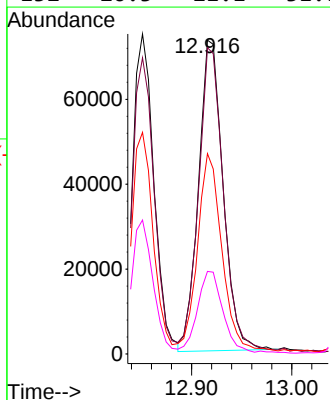
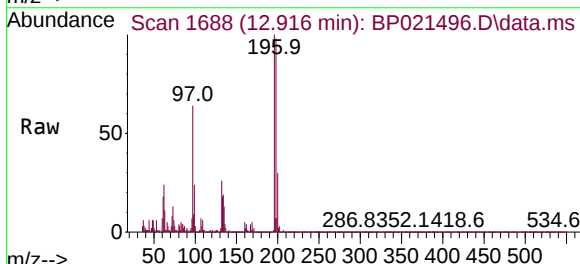
Manual Integrations
APPROVED

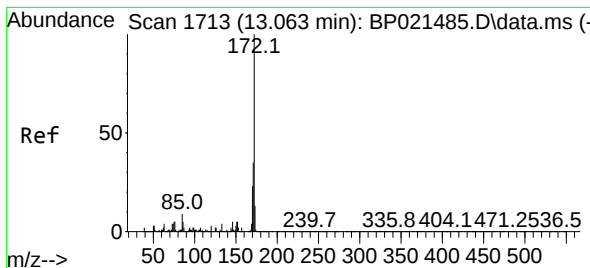
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#44
2,4,5-Trichlorophenol
Concen: 7.263 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:196 Resp: 125280
Ion Ratio Lower Upper
196 100
198 97.6 78.9 118.3
97 63.9 49.4 74.0
132 26.3 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 87.541 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021496.D

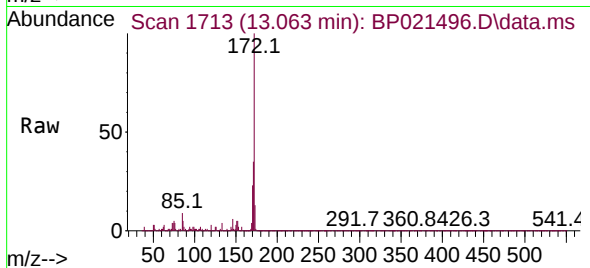
Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:172 Resp: 5471100

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

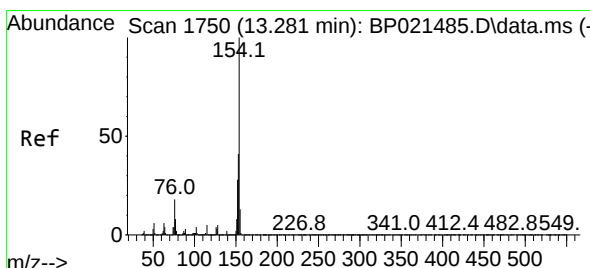
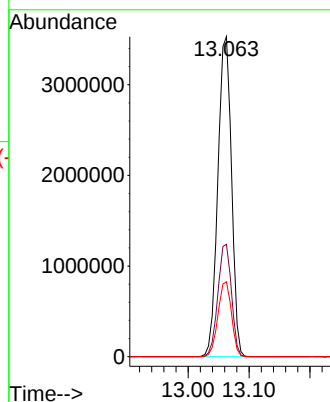
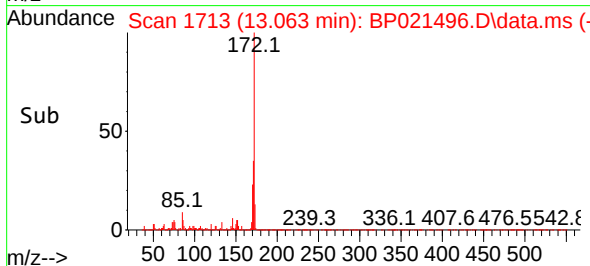
170 23.4 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024

Supervised By :mohammad ahmed 08/16/2024



#46

1,1'-Biphenyl

Concen: 8.270 ng

RT: 13.269 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

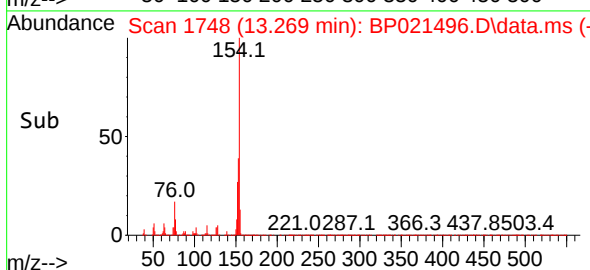
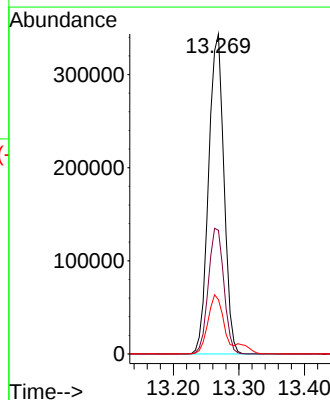
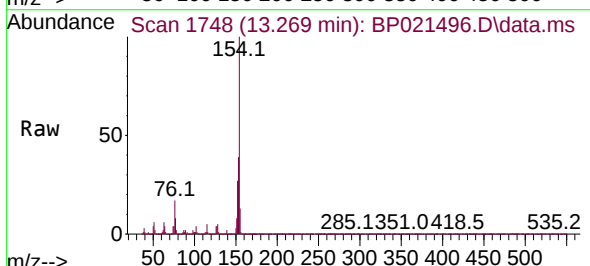
Tgt Ion:154 Resp: 558092

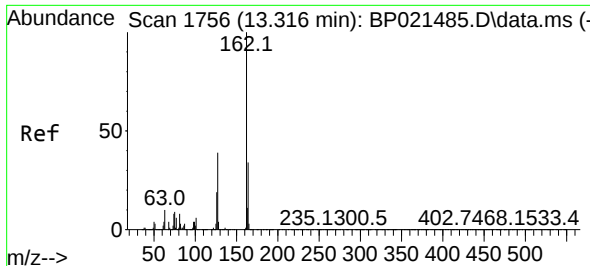
Ion Ratio Lower Upper

154 100

153 38.7 20.7 60.7

76 16.9 0.0 37.7





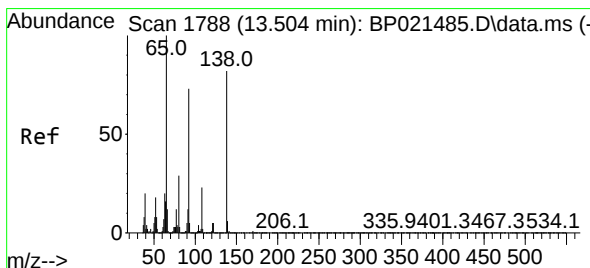
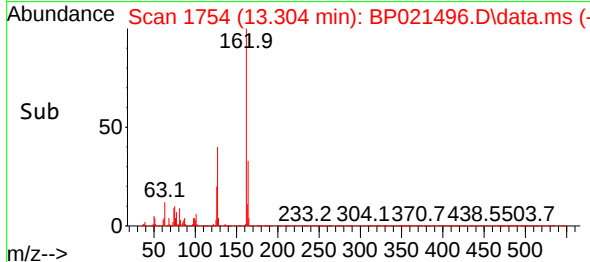
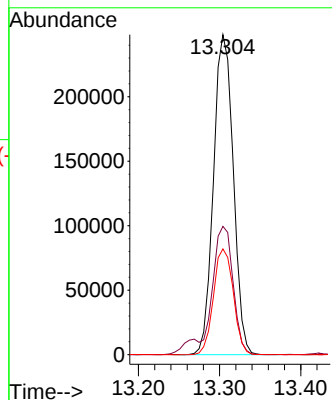
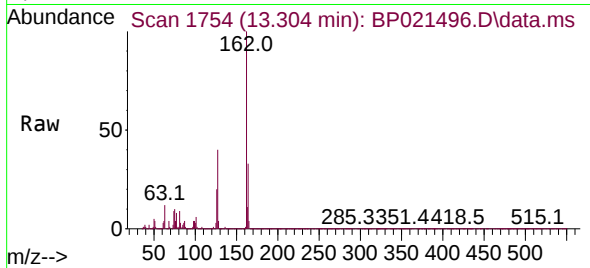
#47
2-Chloronaphthalene
Concen: 7.999 ng
RT: 13.304 min Scan# 1756
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:162 Resp: 420239
Ion Ratio Lower Upper
162 100
127 40.1 31.9 47.9
164 33.0 26.8 40.2

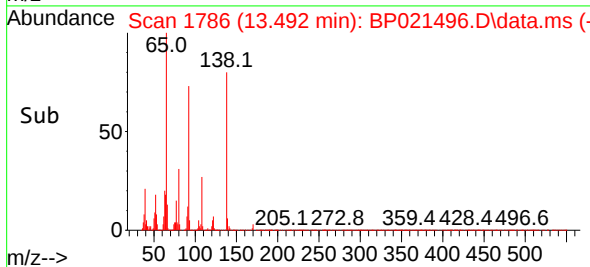
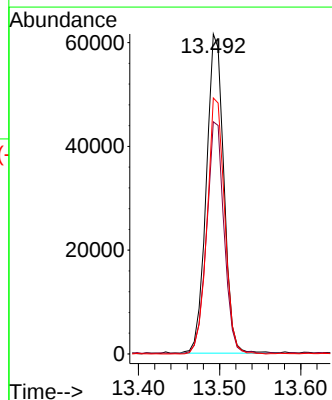
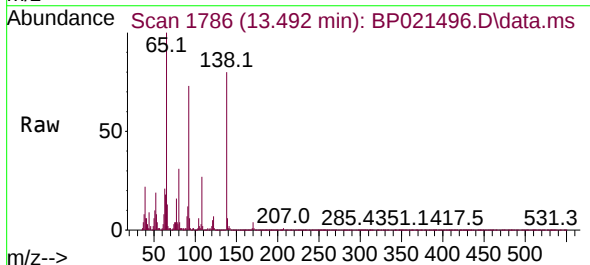
Manual Integrations
APPROVED

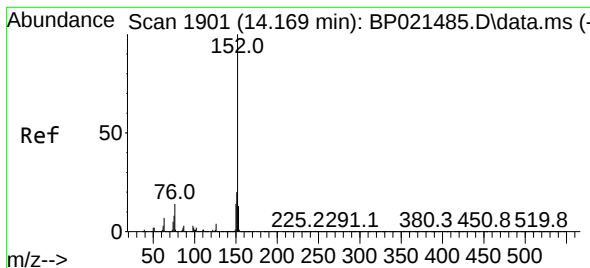
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#48
2-Nitroaniline
Concen: 10.730 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 65 Resp: 92074
Ion Ratio Lower Upper
65 100
92 72.5 58.1 87.1
138 80.0 65.5 98.3





#49

Acenaphthylene

Concen: 8.688 ng

RT: 14.163 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

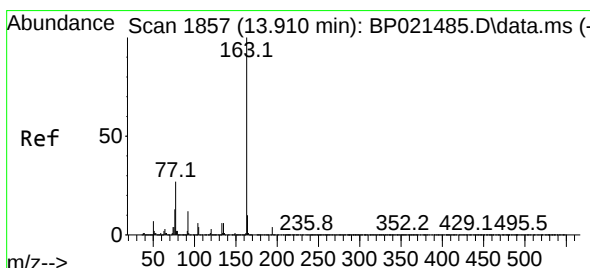
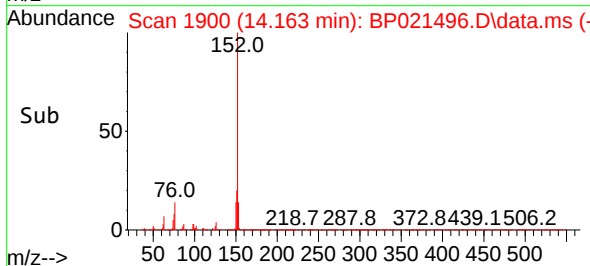
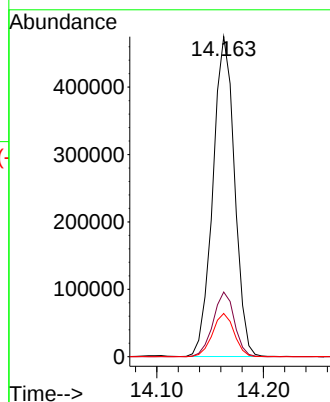
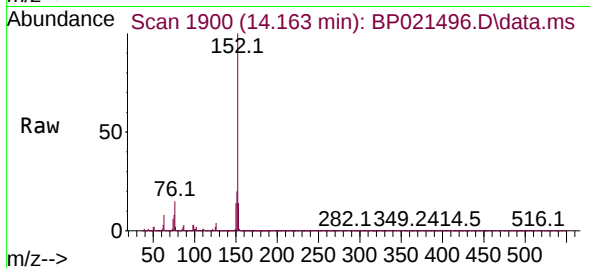
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	152	Resp:	67100
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.9	23.9
153	13.5	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#50

Dimethylphthalate

Concen: 8.474 ng

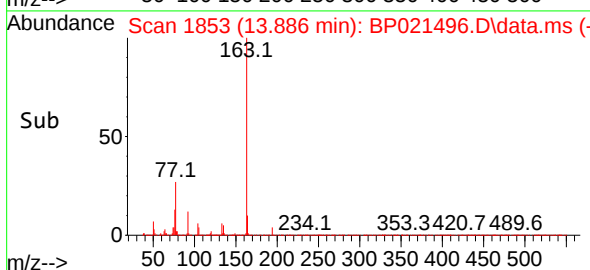
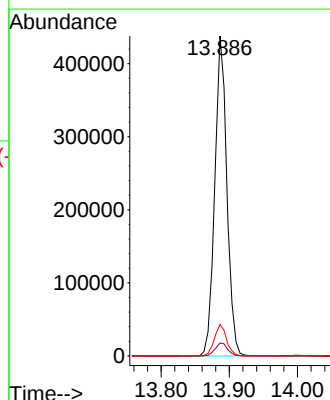
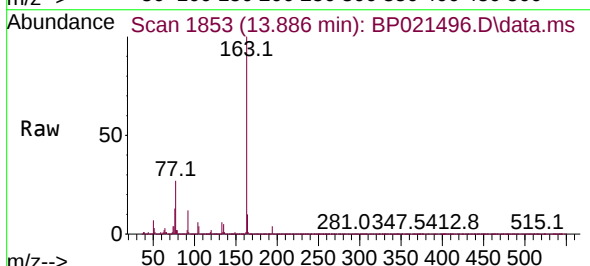
RT: 13.886 min Scan# 1853

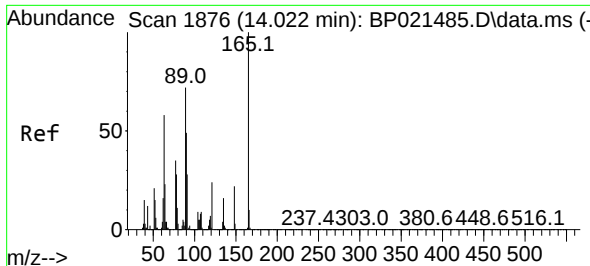
Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

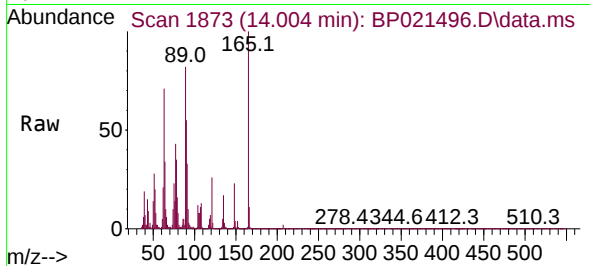
Tgt Ion:	163	Resp:	541292
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	9.8	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 9.761 ng
RT: 14.004 min Scan# 1876
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

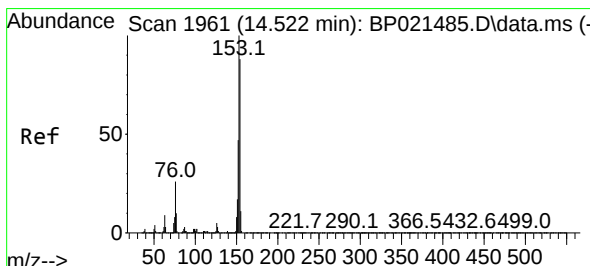
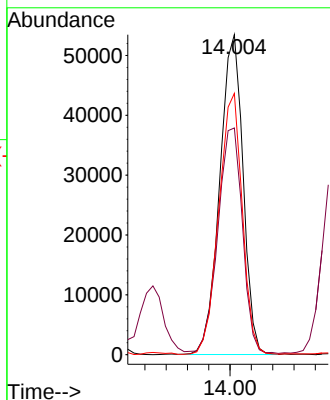
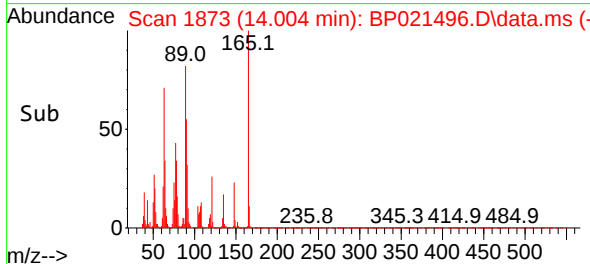
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:165 Resp: 81169
Ion Ratio Lower Upper
165 100
63 70.9 51.5 77.3
89 81.6 57.8 86.8

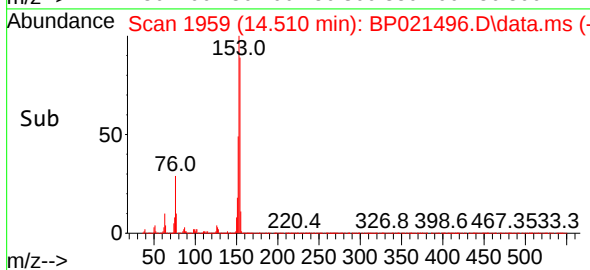
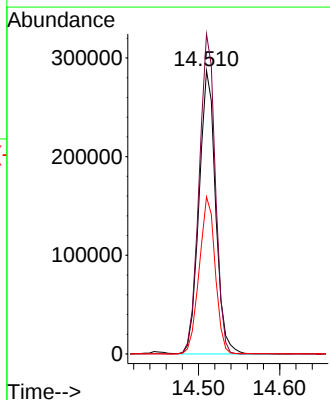
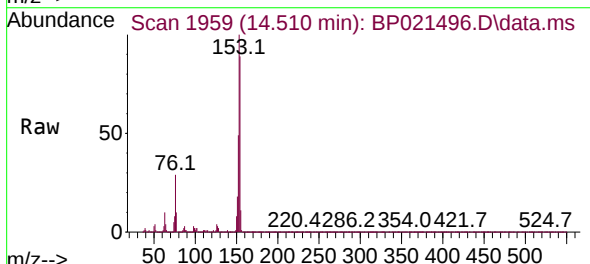
Manual Integrations
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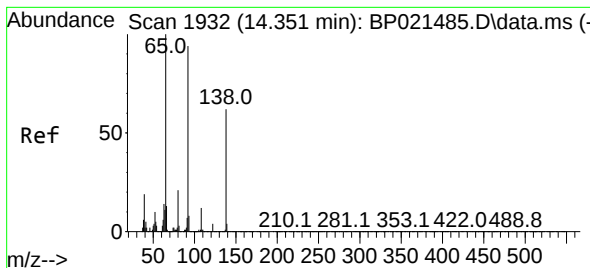
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#52
Acenaphthene
Concen: 8.010 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:154 Resp: 405912
Ion Ratio Lower Upper
154 100
153 112.9 91.1 136.7
152 55.4 43.0 64.4





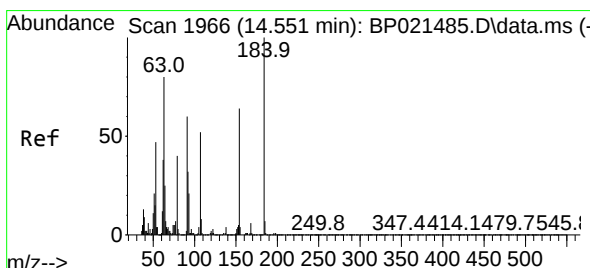
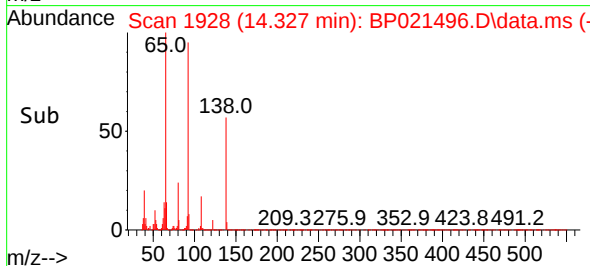
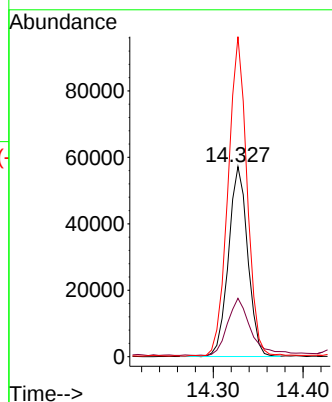
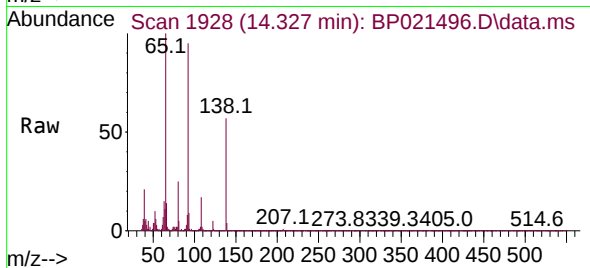
#53
3-Nitroaniline
Concen: 10.131 ng
RT: 14.327 min Scan# 1932
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:138 Resp: 85104
Ion Ratio Lower Upper
138 100
108 30.8 16.2 24.4
92 168.4 122.2 183.4

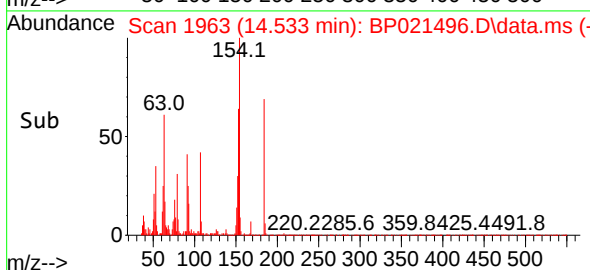
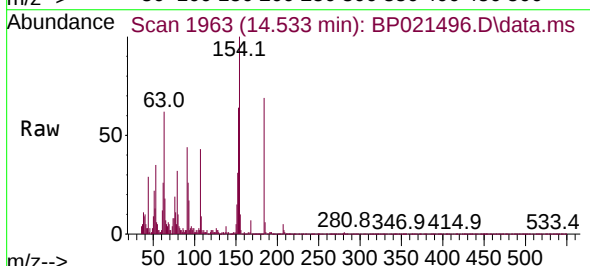
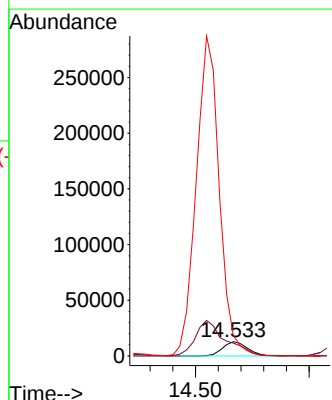
Manual Integrations
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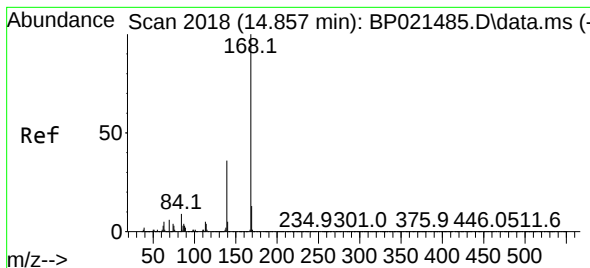
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#54
2,4-Dinitrophenol
Concen: 9.873 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:184 Resp: 19155
Ion Ratio Lower Upper
184 100
63 90.4 64.9 97.3
154 144.7 52.1 78.1#





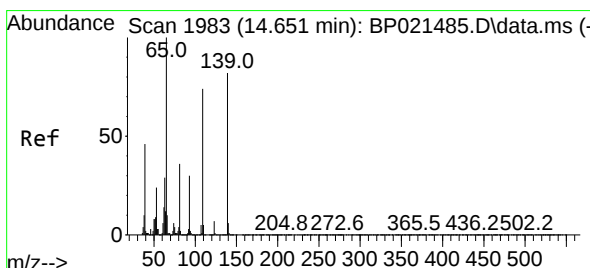
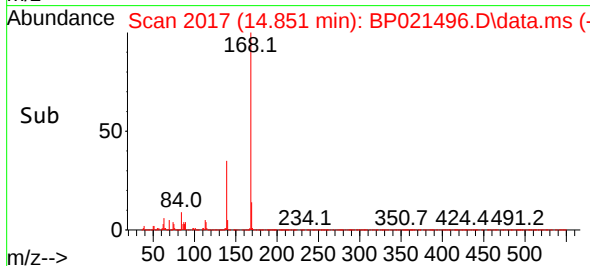
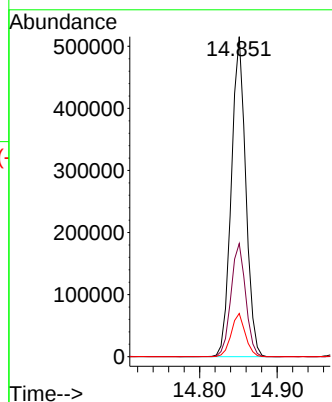
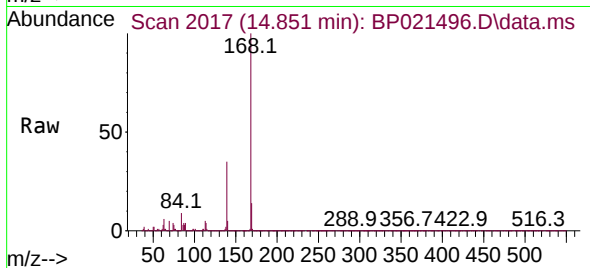
#55
Dibenzenofuran
Concen: 8.578 ng
RT: 14.851 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:168 Resp: 668714
Ion Ratio Lower Upper
168 100
139 35.4 28.6 43.0
169 13.5 10.6 16.0

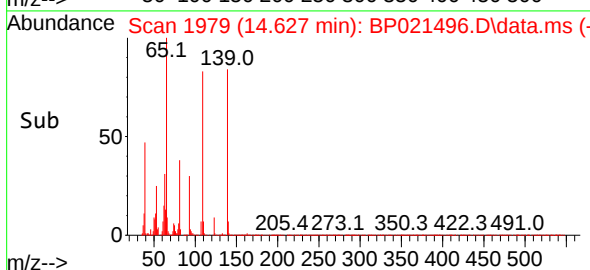
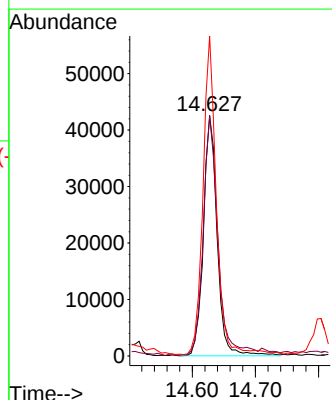
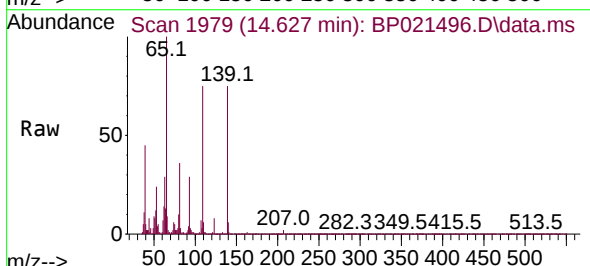
Manual Integrations
APPROVED

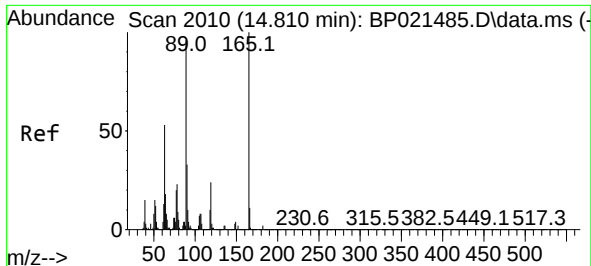
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#56
4-Nitrophenol
Concen: 10.789 ng
RT: 14.627 min Scan# 1979
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

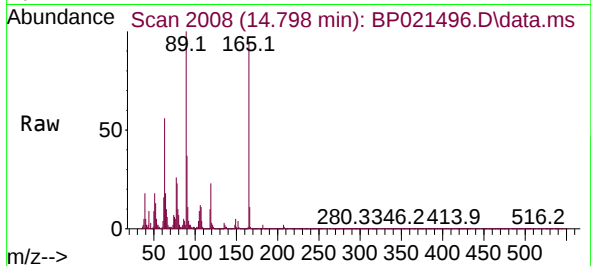
Tgt Ion:139 Resp: 64596
Ion Ratio Lower Upper
139 100
109 100.3 70.2 110.2
65 133.4 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 10.032 ng
RT: 14.798 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

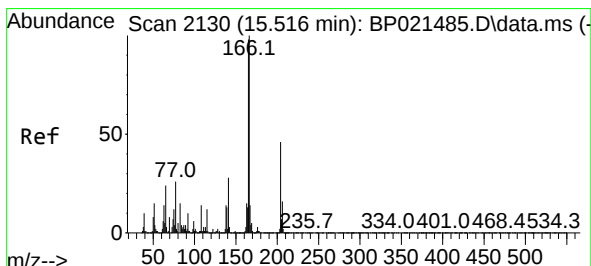
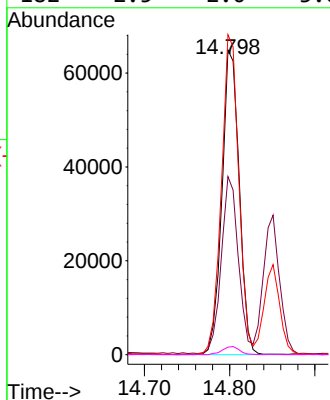
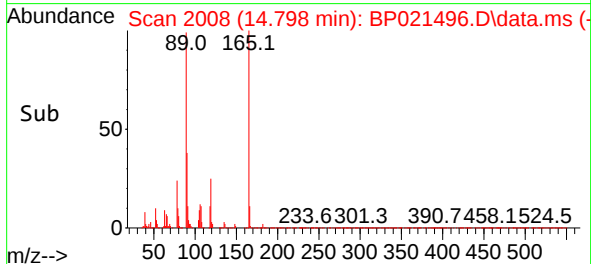
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:165 Resp: 9170
Ion Ratio Lower Upper
165 100
63 58.5 42.5 63.7
89 105.1 77.1 115.7
182 2.5 2.0 3.0

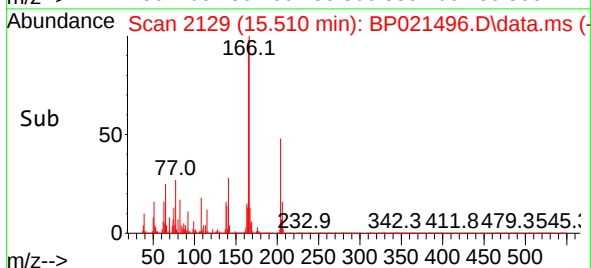
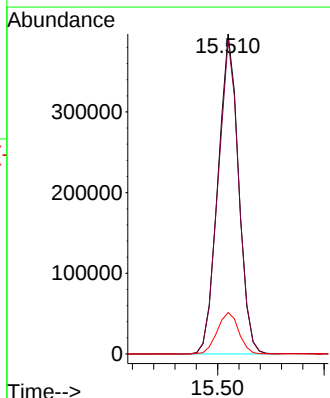
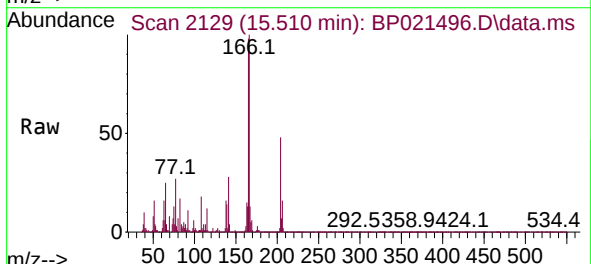
Manual Integrations
APPROVED

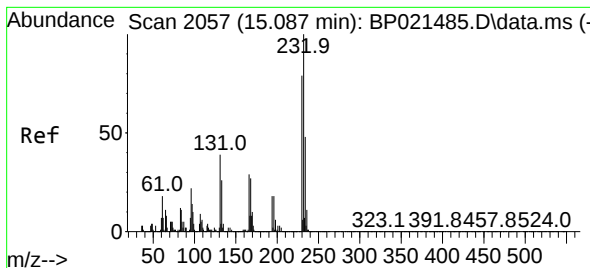
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#58
Fluorene
Concen: 8.292 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

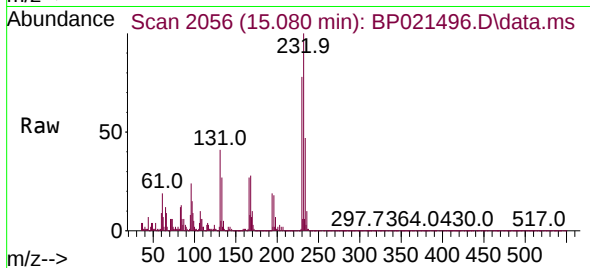
Tgt Ion:166 Resp: 531047
Ion Ratio Lower Upper
166 100
165 98.2 78.1 117.1
167 13.0 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.828 ng
RT: 15.080 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

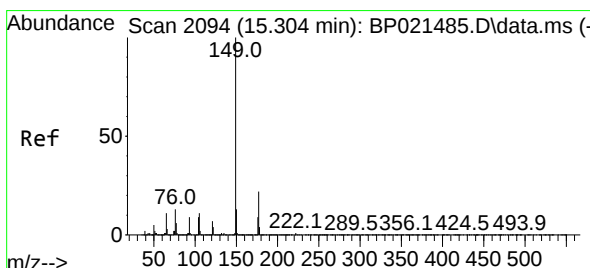
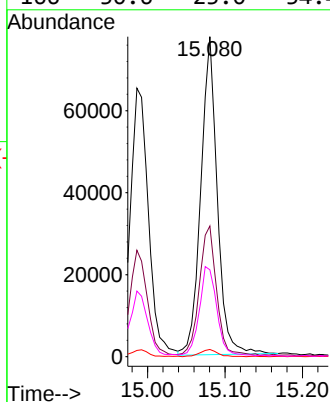
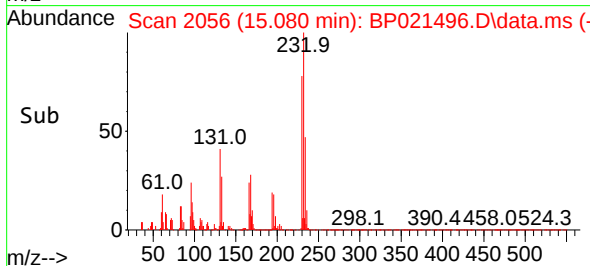
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:232 Resp: 114594
Ion Ratio Lower Upper
232 100
131 42.8 33.1 49.7
130 2.4 1.7 2.5
166 30.6 23.0 34.4

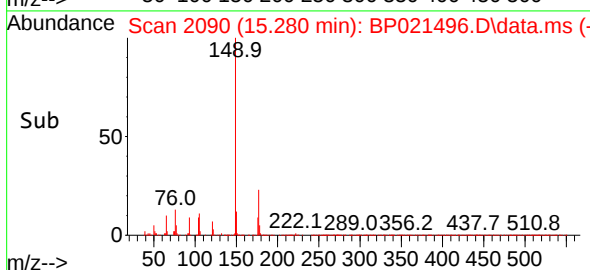
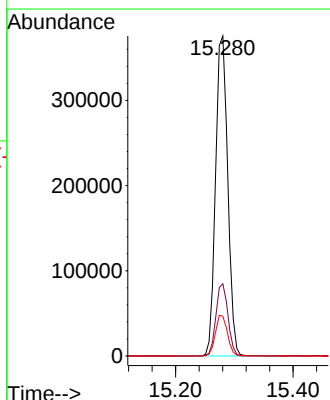
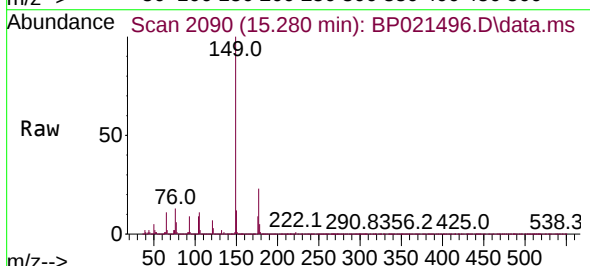
Manual Integrations
APPROVED

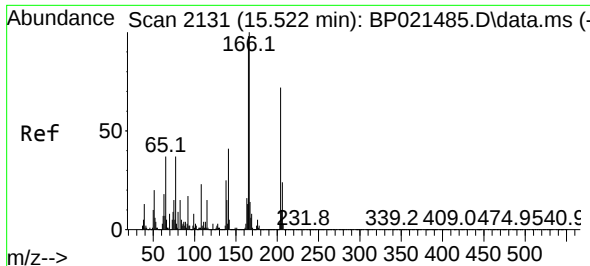
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#60
Diethylphthalate
Concen: 8.226 ng
RT: 15.280 min Scan# 2090
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

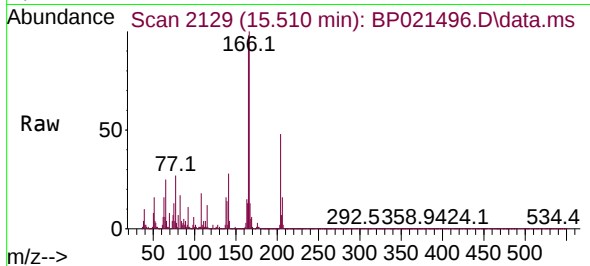
Tgt Ion:149 Resp: 539152
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.8
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 8.272 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

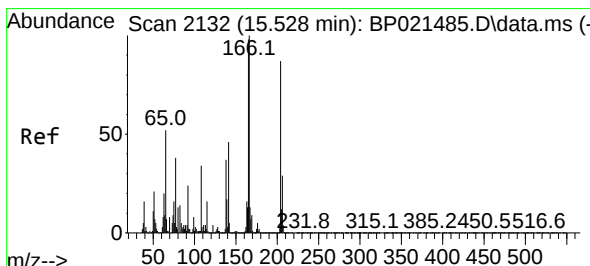
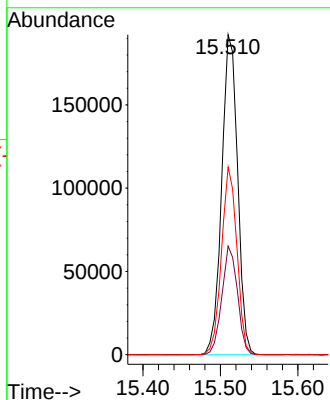
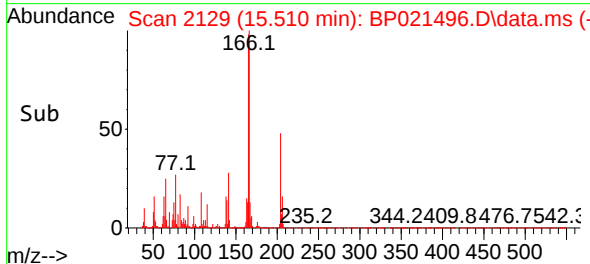
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 204 Resp: 27384
Ion Ratio Lower Upper
204 100
206 34.0 26.4 39.6
141 58.6 46.1 69.1

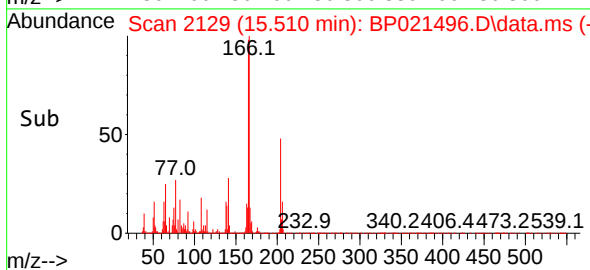
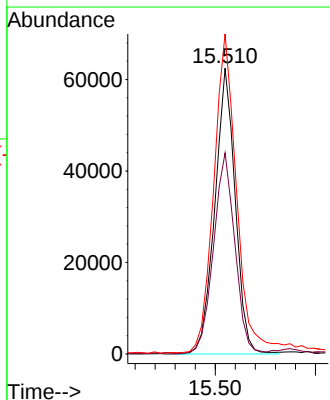
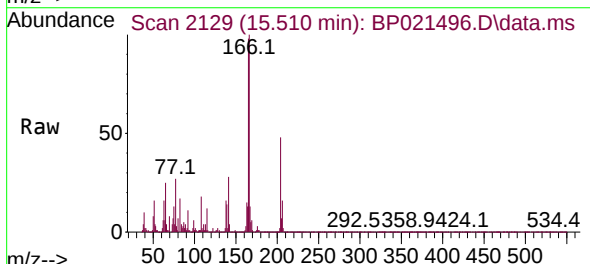
Manual Integrations
APPROVED

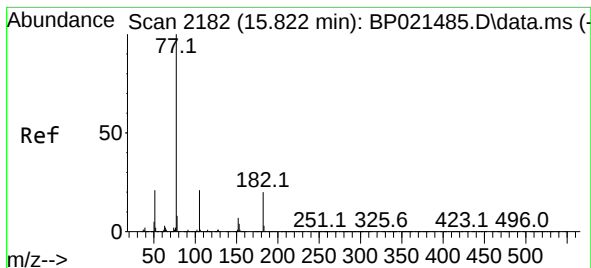
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#62
4-Nitroaniline
Concen: 9.274 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 138 Resp: 87930
Ion Ratio Lower Upper
138 100
92 70.3 46.4 86.4
108 112.0 73.2 113.2





#63

Azobenzene

Concen: 8.951 ng

RT: 15.810 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

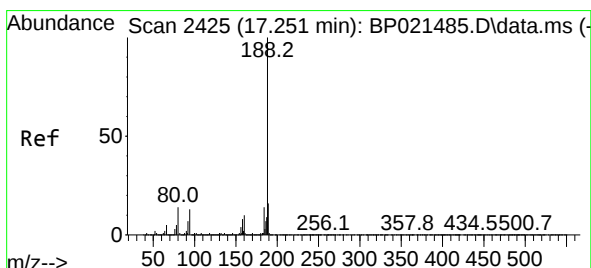
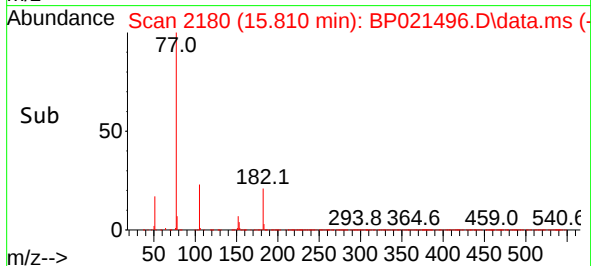
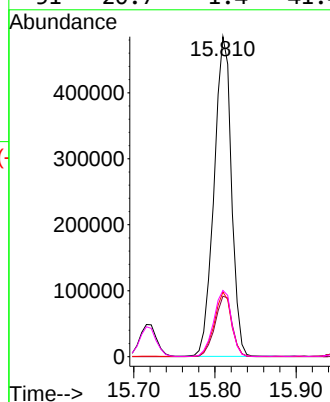
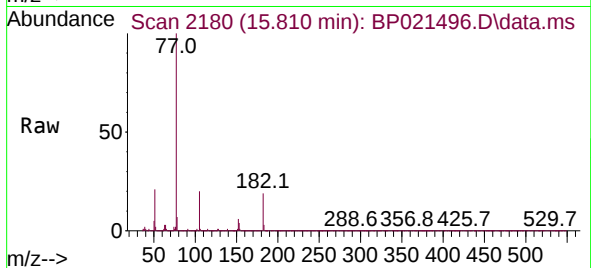
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 77	Resp: 721140
Ion Ratio	Lower Upper
77 100	
182 18.9	0.0 39.9
105 20.2	0.9 40.9
51 20.7	1.4 41.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

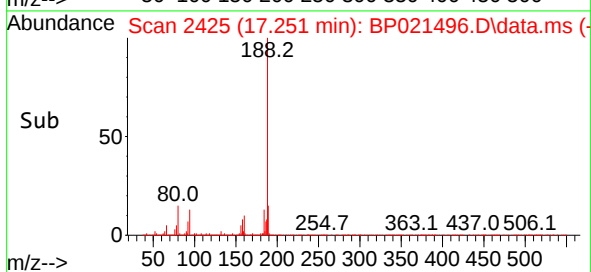
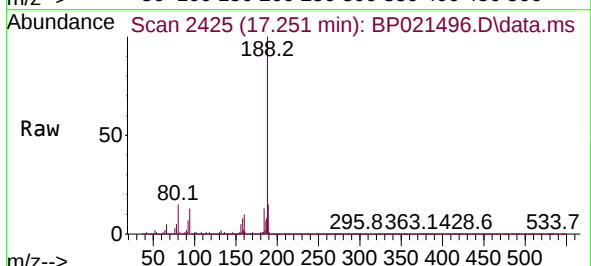
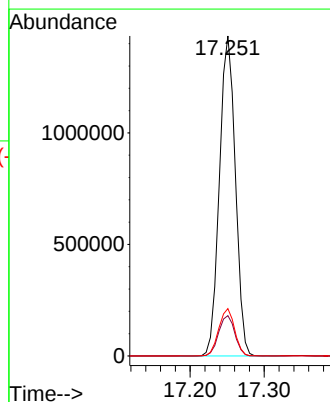
RT: 17.251 min Scan# 2425

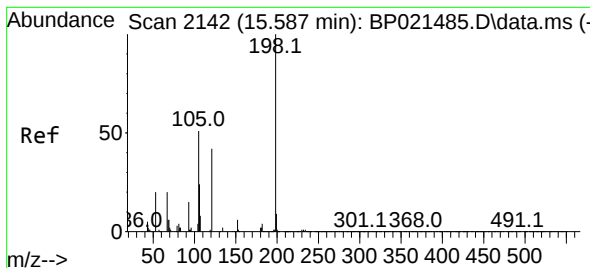
Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion:188	Resp: 2142969
Ion Ratio	Lower Upper
188 100	
94 12.6	10.2 15.4
80 14.8	11.6 17.4





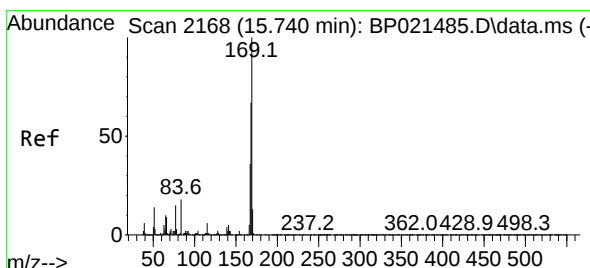
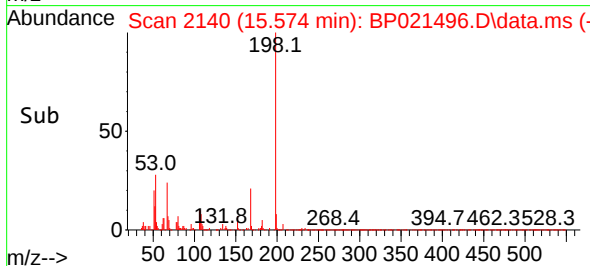
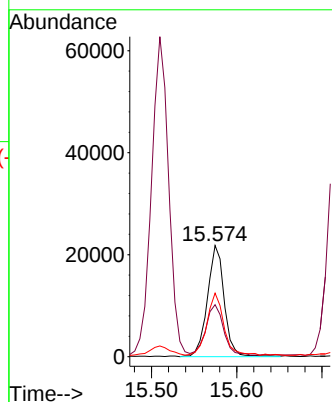
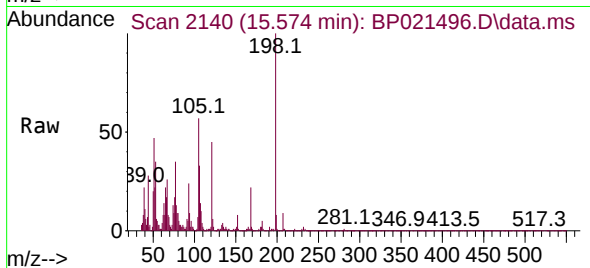
#65
4,6-Dinitro-2-methylphenol
Concen: 10.300 ng
RT: 15.574 min Scan# 2142
Delta R.T. -0.013 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:198 Resp: 2974
Ion Ratio Lower Upper
198 100
51 46.7 21.5 61.5
105 57.1 32.9 72.9

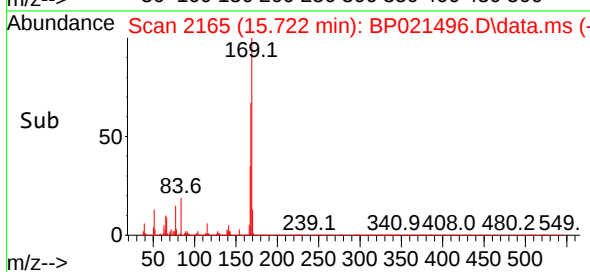
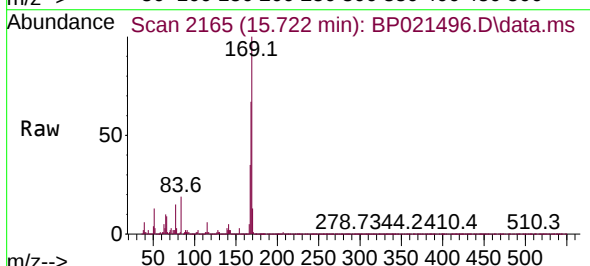
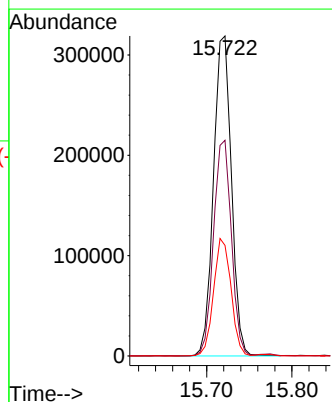
Manual Integrations
APPROVED

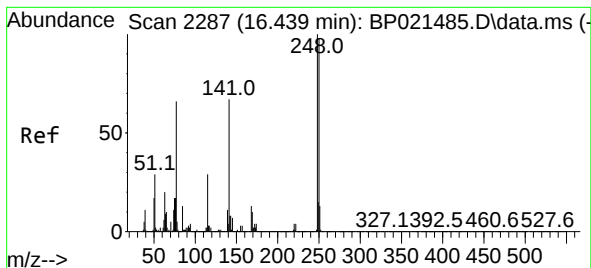
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#66
n-Nitrosodiphenylamine
Concen: 8.100 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

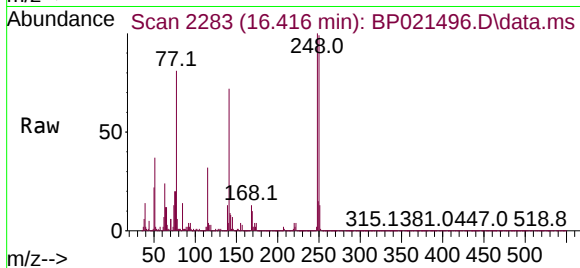
Tgt Ion:169 Resp: 465154
Ion Ratio Lower Upper
169 100
168 67.4 53.4 80.2
167 34.6 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 7.323 ng
RT: 16.416 min Scan# 218
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

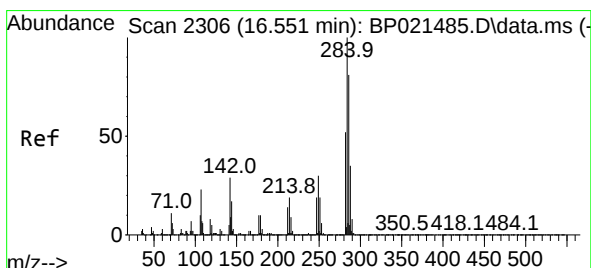
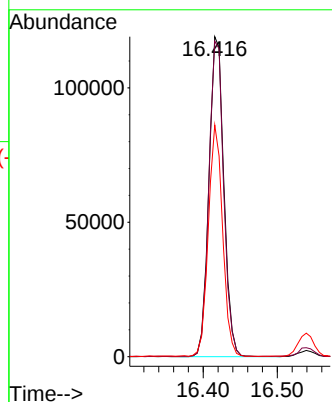
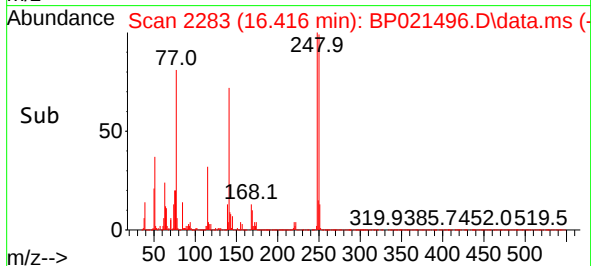
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:248 Resp: 166083
Ion Ratio Lower Upper
248 100
250 98.6 78.6 117.8
141 72.4 53.9 80.9

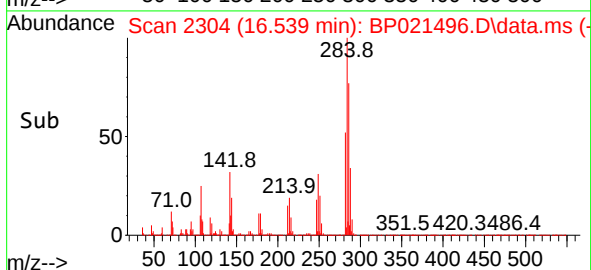
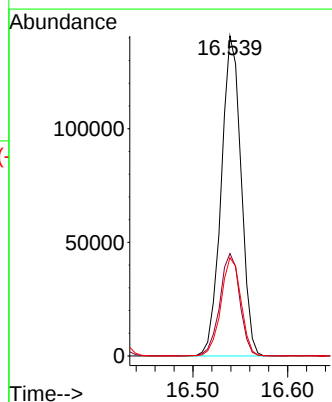
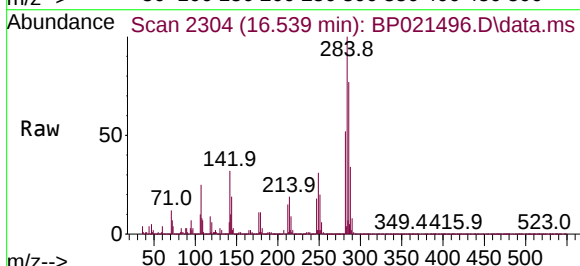
Manual Integrations
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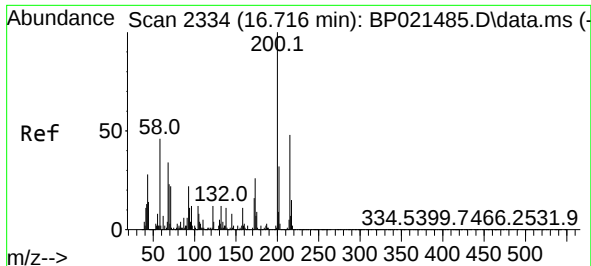
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#68
Hexachlorobenzene
Concen: 7.663 ng
RT: 16.539 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

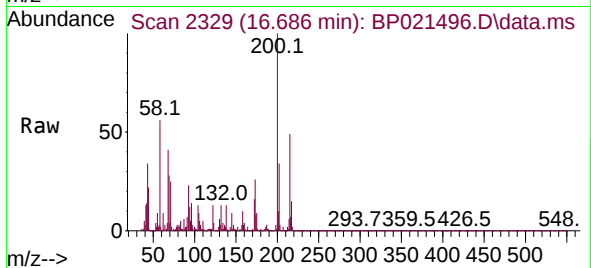
Tgt Ion:284 Resp: 205401
Ion Ratio Lower Upper
284 100
142 32.0 23.4 35.2
249 30.7 24.1 36.1





#69
 Atrazine
 Concen: 8.343 ng
 RT: 16.686 min Scan# 21
 Delta R.T. -0.030 min
 Lab File: BP021496.D
 Acq: 14 Aug 2024 12:06

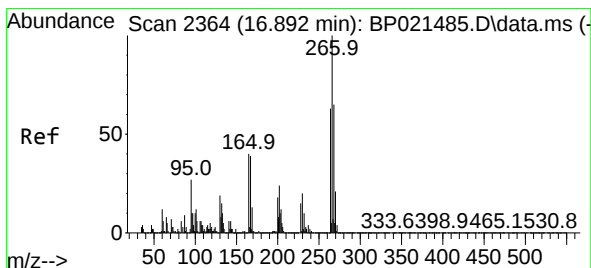
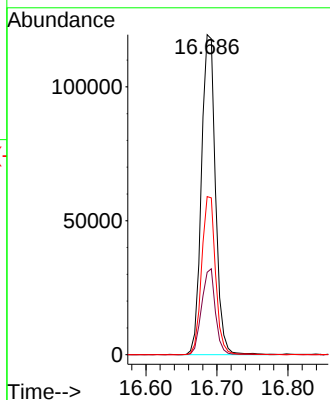
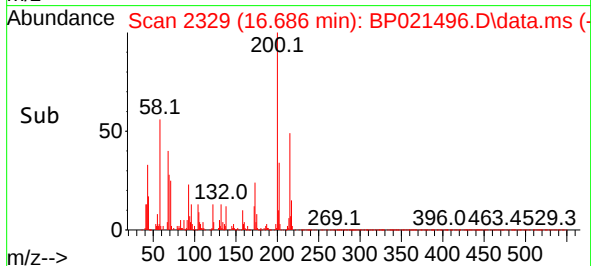
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:200 Resp: 16449
 Ion Ratio Lower Upper
 200 100
 173 25.8 6.2 46.2
 215 49.4 28.4 68.4

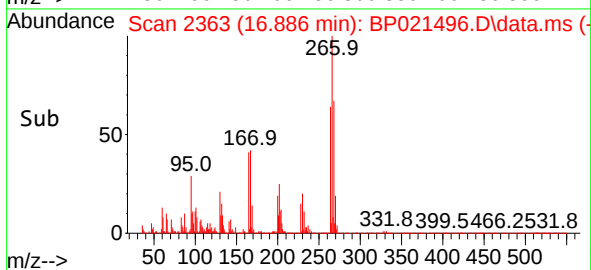
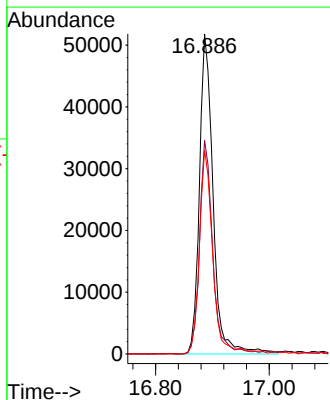
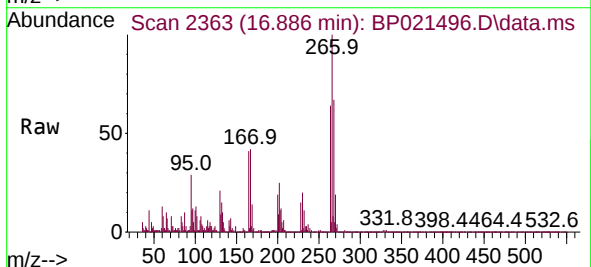
Manual Integrations
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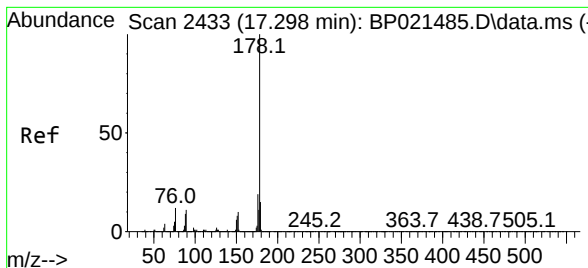
Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024



#70
 Pentachlorophenol
 Concen: 5.920 ng
 RT: 16.886 min Scan# 2363
 Delta R.T. -0.006 min
 Lab File: BP021496.D
 Acq: 14 Aug 2024 12:06

Tgt Ion:266 Resp: 86609
 Ion Ratio Lower Upper
 266 100
 268 66.7 51.8 77.6
 264 63.7 50.5 75.7





#71

Phenanthrene

Concen: 8.348 ng

RT: 17.292 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

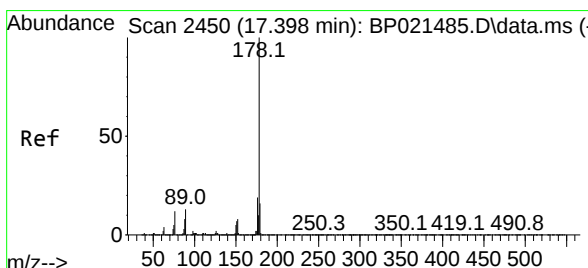
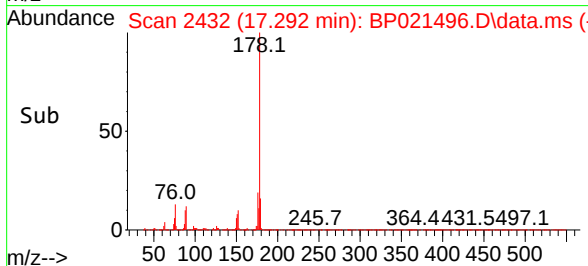
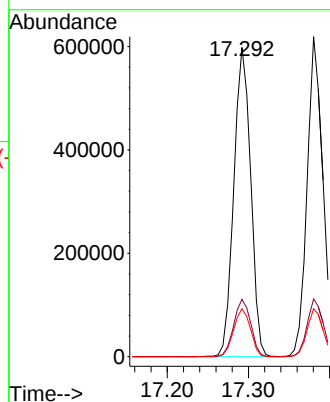
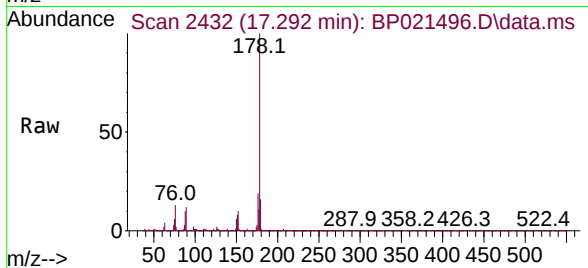
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:178 Resp: 860328
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.5 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024



#72

Anthracene

Concen: 8.271 ng

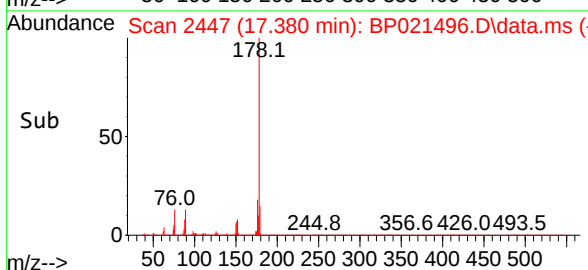
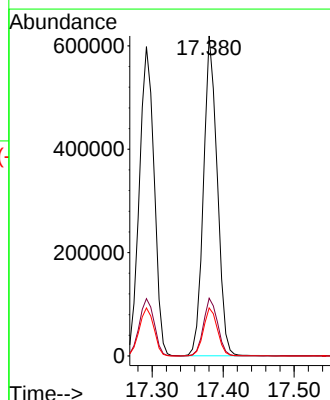
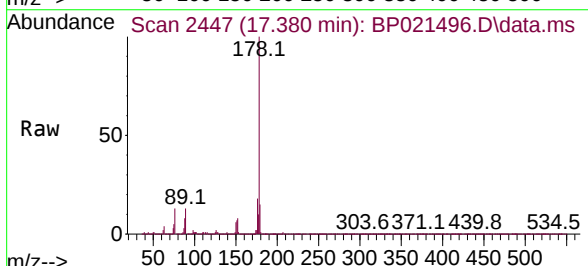
RT: 17.380 min Scan# 2447

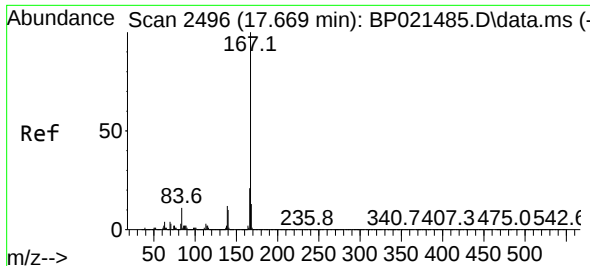
Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

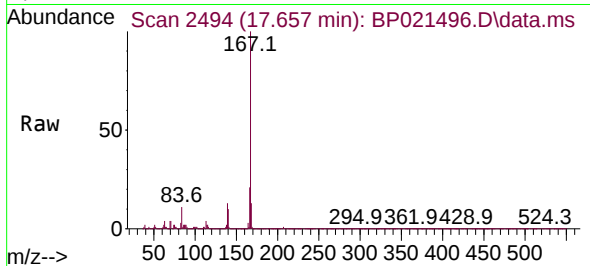
Tgt Ion:178 Resp: 835993
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.9 22.3
 179 15.0 12.5 18.7





#73
 Carbazole
 Concen: 8.008 ng
 RT: 17.657 min Scan# 2494
 Delta R.T. -0.012 min
 Lab File: BP021496.D
 Acq: 14 Aug 2024 12:06

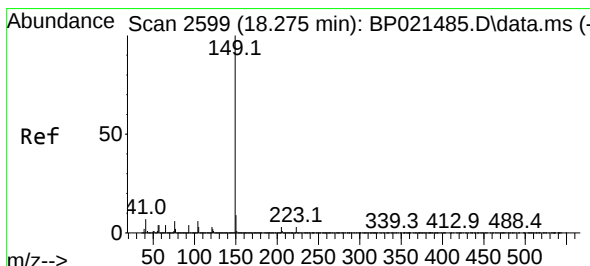
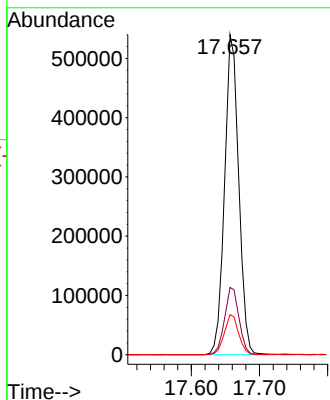
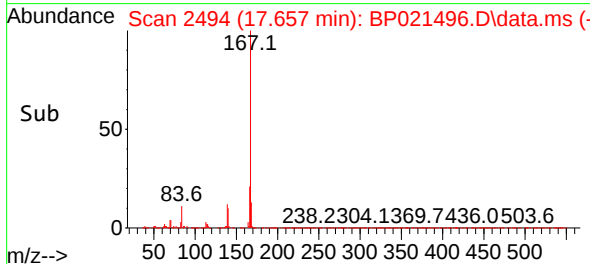
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:167 Resp: 780024
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.5 9.9 14.9

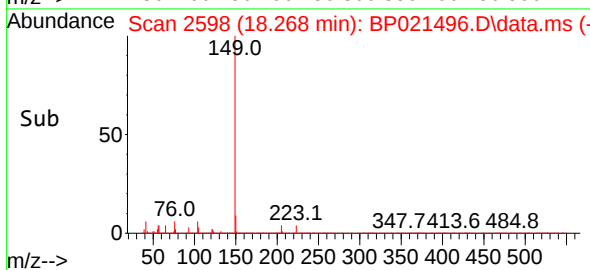
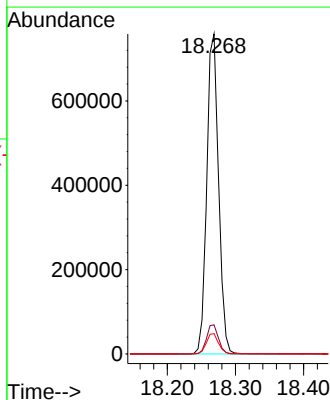
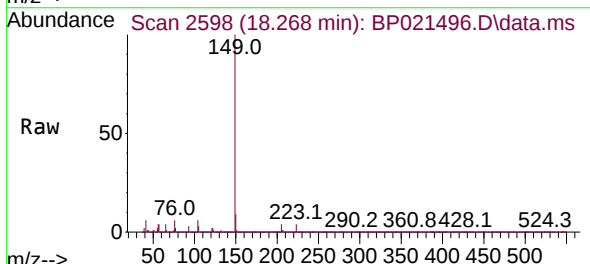
Manual Integrations
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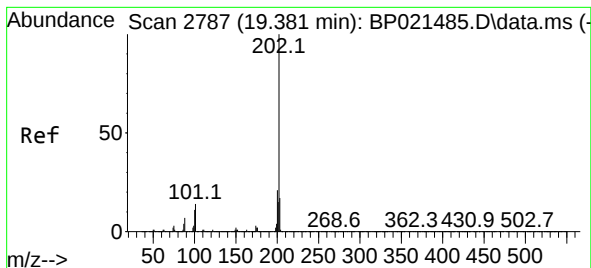
Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024



#74
 Di-n-butylphthalate
 Concen: 7.634 ng
 RT: 18.268 min Scan# 2598
 Delta R.T. -0.006 min
 Lab File: BP021496.D
 Acq: 14 Aug 2024 12:06

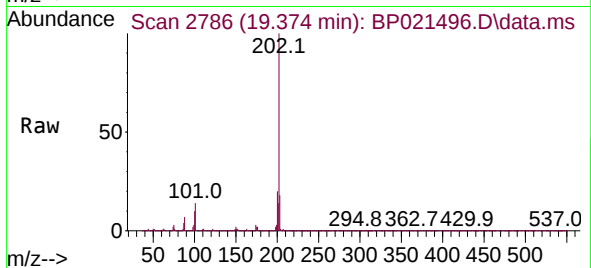
Tgt Ion:149 Resp: 913190
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 6.4 4.9 7.3





#75
Fluoranthene
Concen: 7.864 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

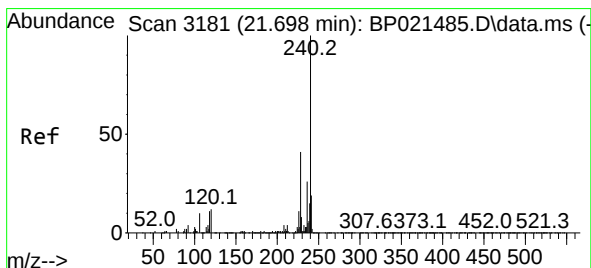
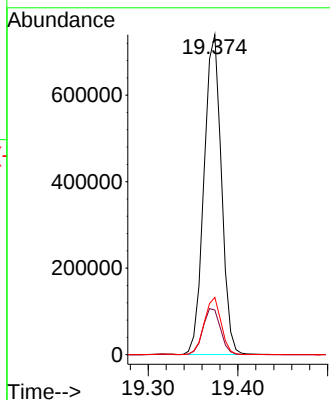
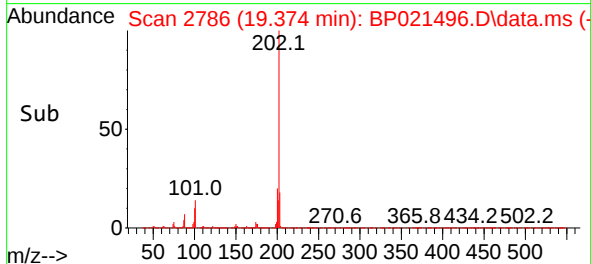
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:202 Resp: 99440
Ion Ratio Lower Upper
202 100
101 14.0 0.0 34.0
203 17.9 0.0 37.5

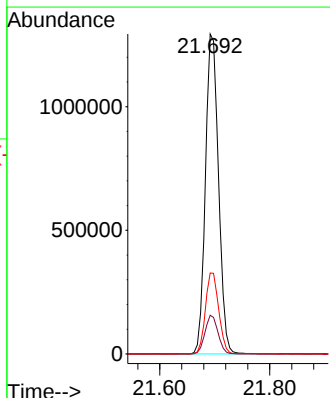
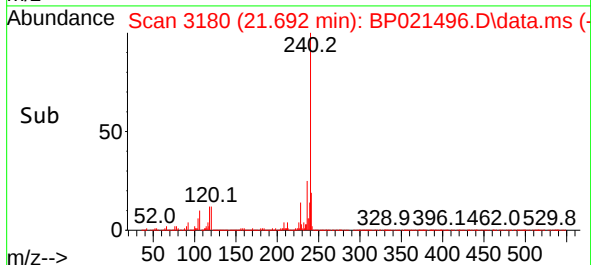
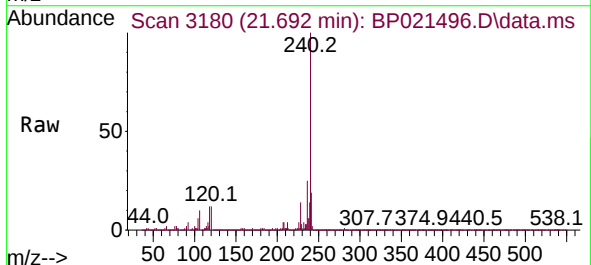
Manual Integrations
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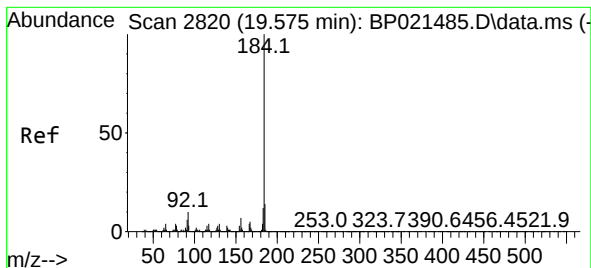
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.692 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:240 Resp: 2137506
Ion Ratio Lower Upper
240 100
120 12.1 9.9 14.9
236 25.3 20.6 30.8





#77

Benzidine

Concen: 10.498 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

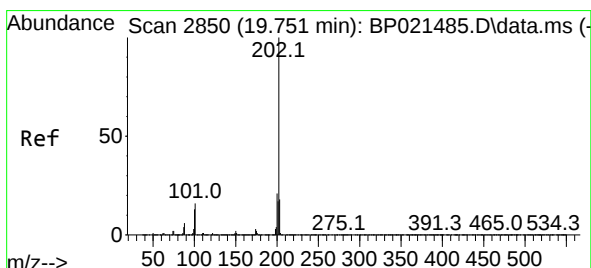
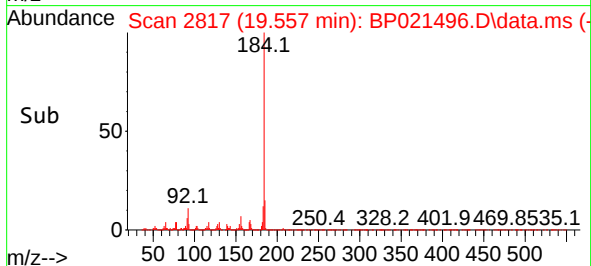
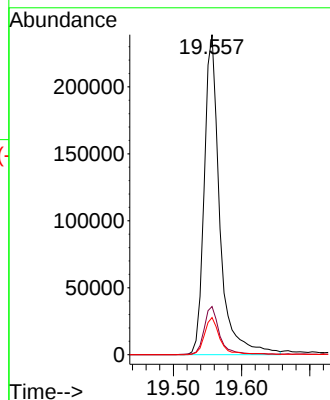
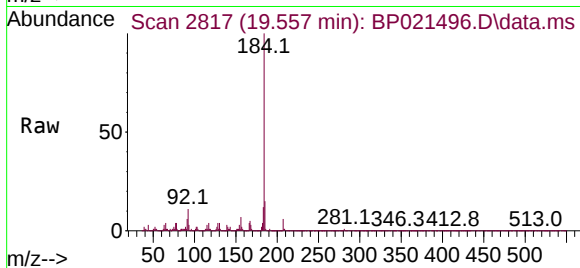
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	184	Resp:	37910
Ion Ratio	Lower	Upper	
184	100		
185	15.1	11.4	17.0
183	11.6	9.3	13.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#78

Pyrene

Concen: 7.553 ng

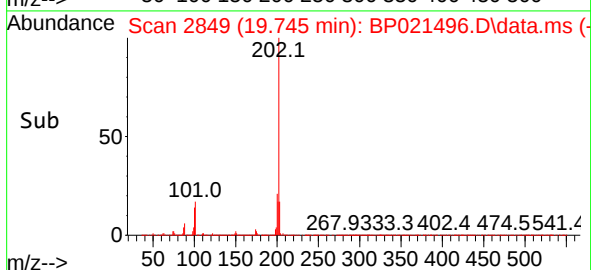
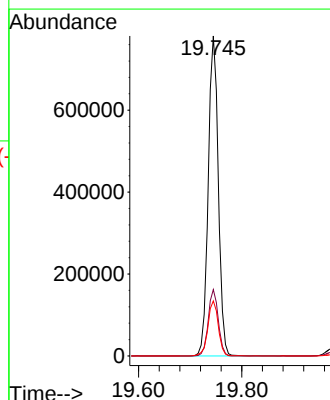
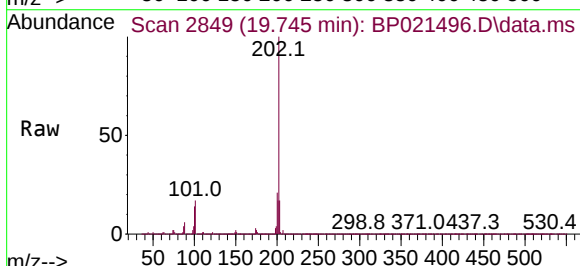
RT: 19.745 min Scan# 2849

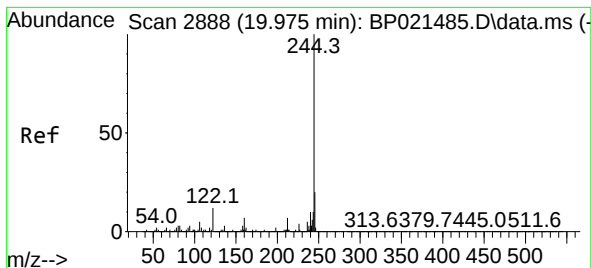
Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion:	202	Resp:	1055257
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.7	25.1
203	17.2	14.1	21.1





#79

Terphenyl-d14

Concen: 82.334 ng

RT: 19.974 min Scan# 21

Delta R.T. -0.001 min

Lab File: BP021496.D

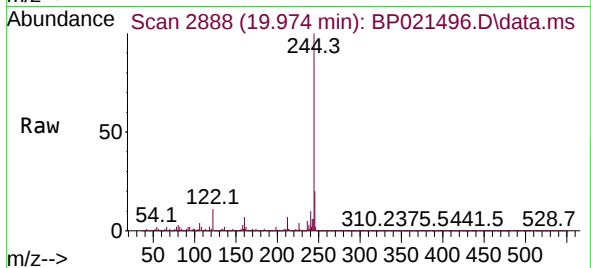
Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:244 Resp: 905889

Ion Ratio Lower Upper

244 100

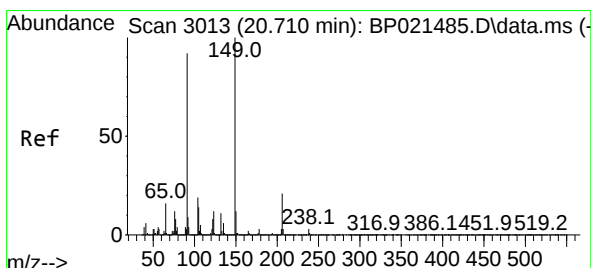
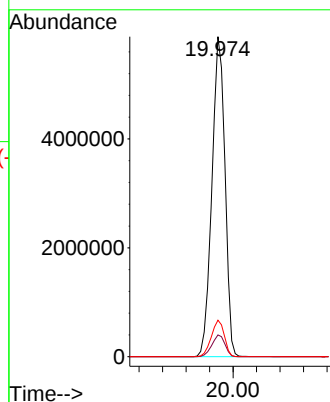
212 6.8 5.6 8.4

122 11.4 9.4 14.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#80

Butylbenzylphthalate

Concen: 8.871 ng

RT: 20.698 min Scan# 3011

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

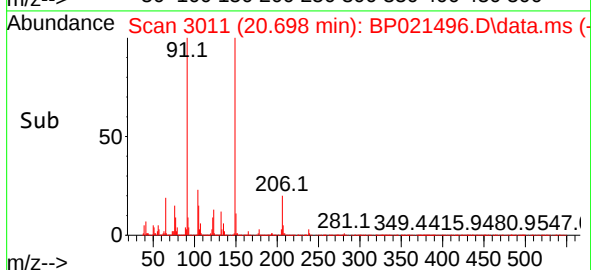
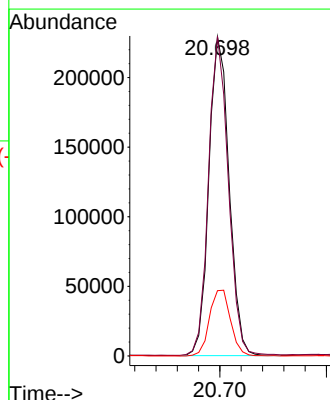
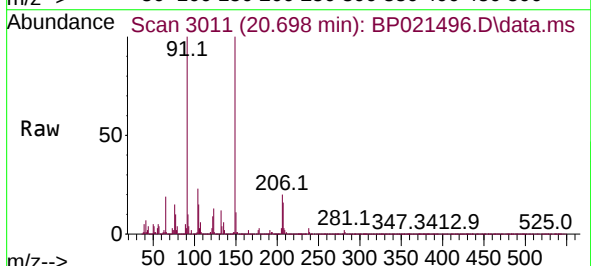
Tgt Ion:149 Resp: 302034

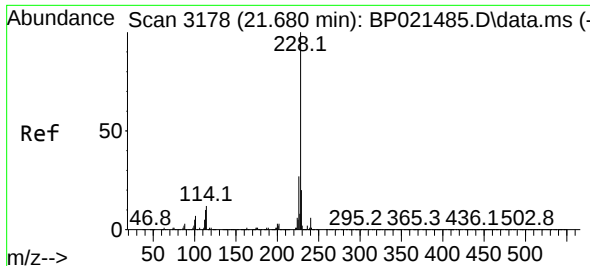
Ion Ratio Lower Upper

149 100

91 100.3 73.3 109.9

206 20.5 17.1 25.7





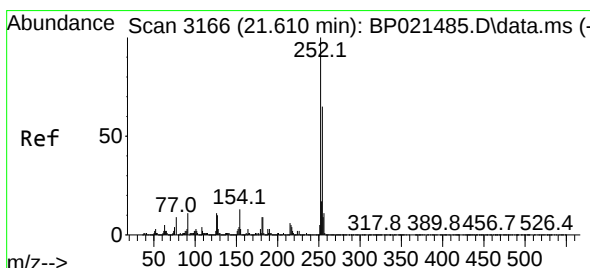
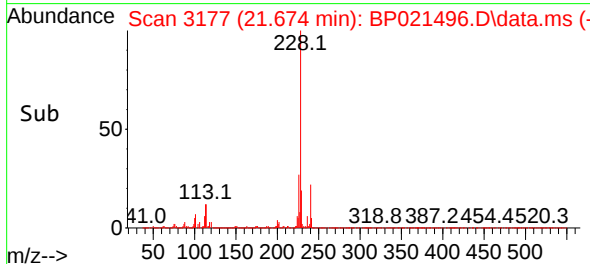
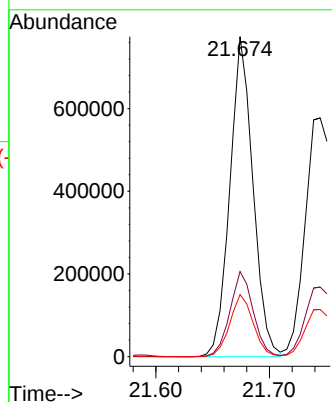
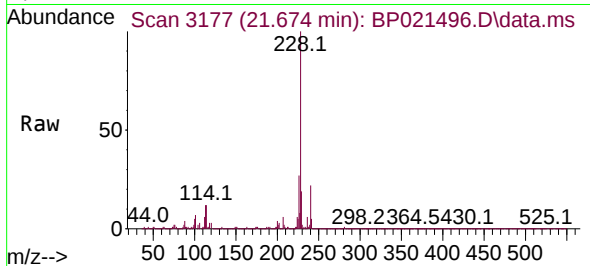
#81
Benzo(a)anthracene
Concen: 8.137 ng
RT: 21.674 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:228 Resp: 109184
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.2
229 19.4 15.8 23.6

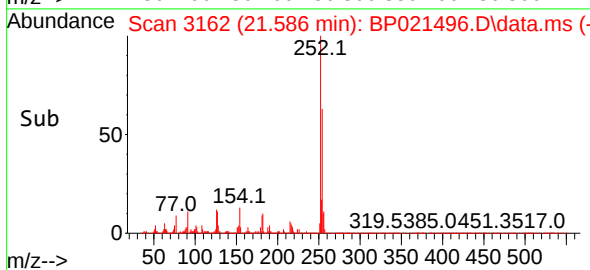
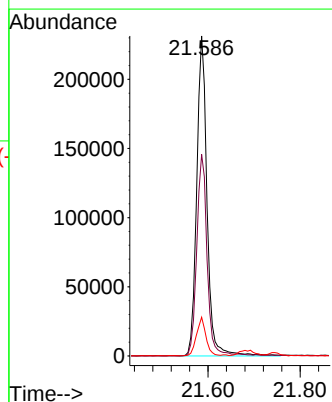
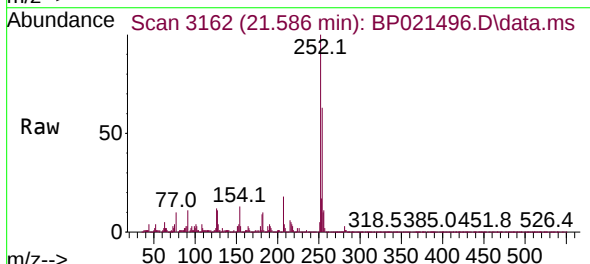
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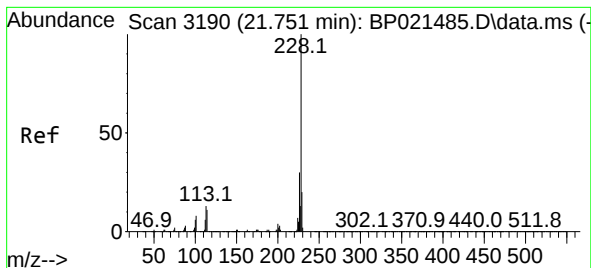
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#82
3,3'-Dichlorobenzidine
Concen: 8.356 ng
RT: 21.586 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:252 Resp: 359508
Ion Ratio Lower Upper
252 100
254 63.0 51.7 77.5
126 12.1 8.7 13.1





#83

Chrysene

Concen: 8.058 ng

RT: 21.745 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:228 Resp: 1020889

Ion Ratio Lower Upper

228 100

226 29.1 23.9 35.9

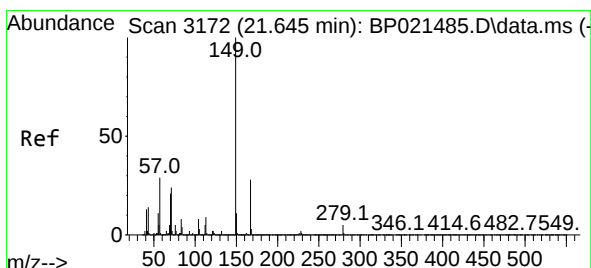
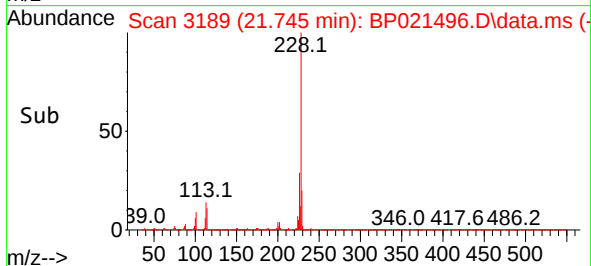
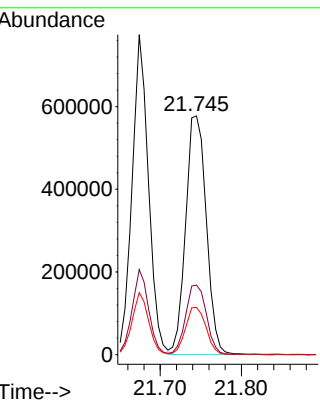
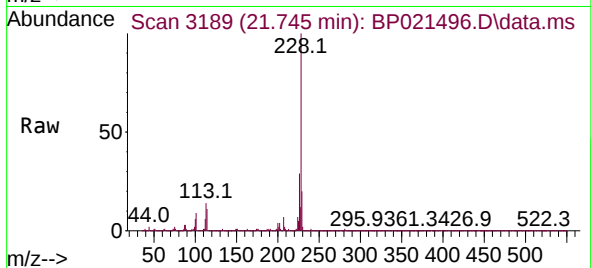
229 19.8 15.8 23.6

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Reviewed By :Jagrut Upadhyay 08/14/2024

Supervised By :mohammad ahmed 08/16/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.163 ng

RT: 21.639 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

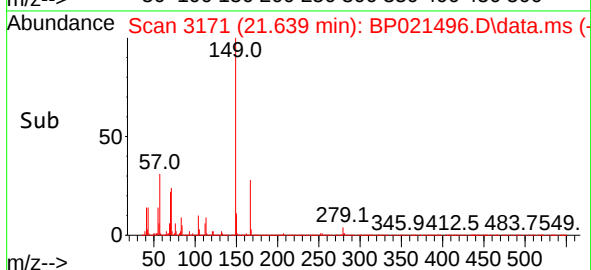
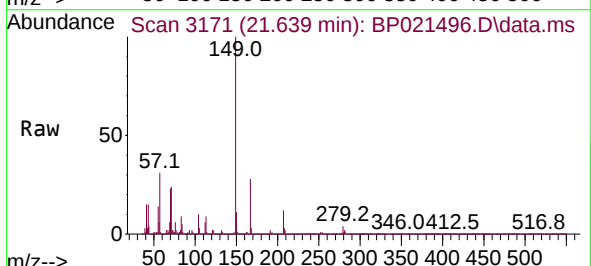
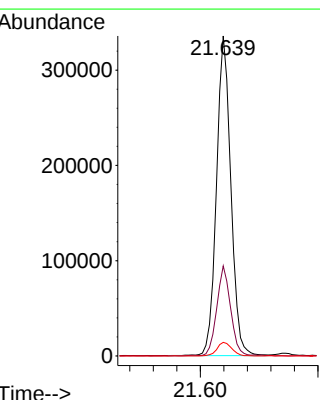
Tgt Ion:149 Resp: 568059

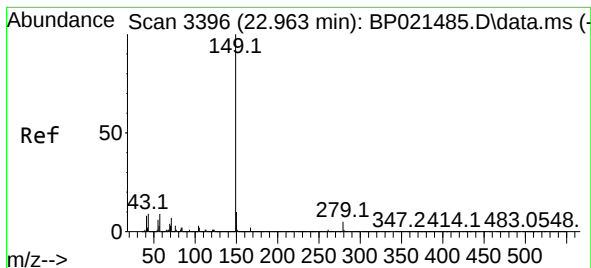
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.3 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 9.953 ng

RT: 22.951 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

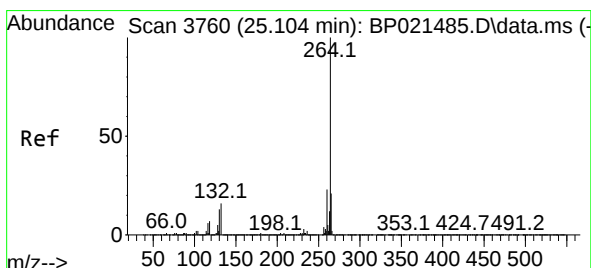
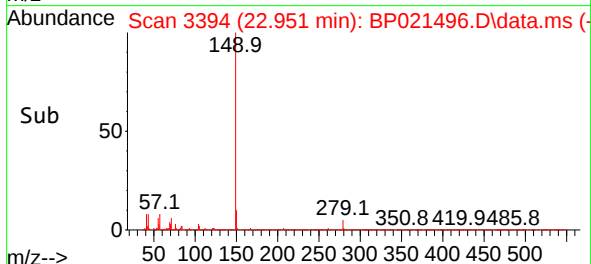
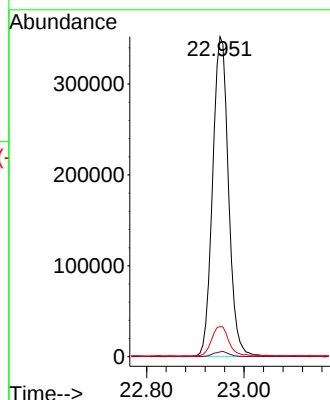
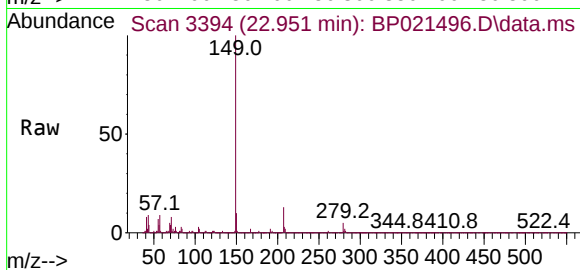
Tgt Ion:149 Resp: 792775

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.9	7.3	10.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.109 min Scan# 3761

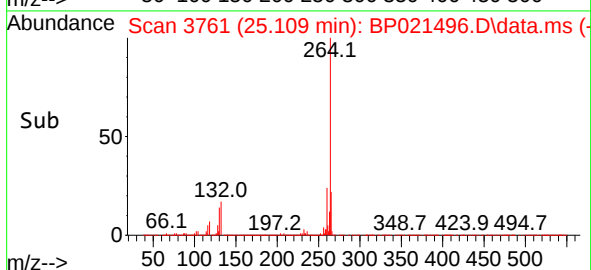
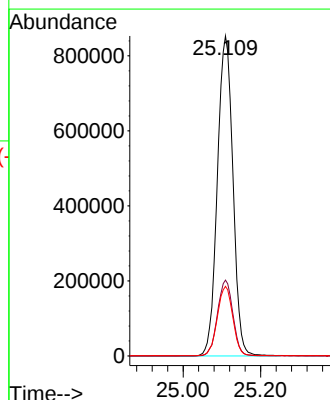
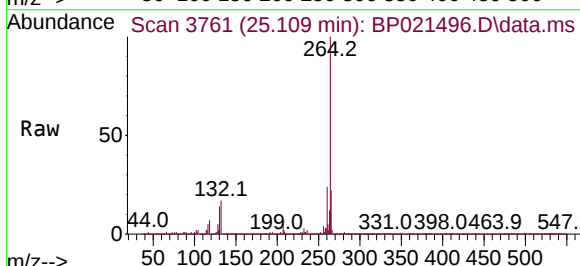
Delta R.T. 0.006 min

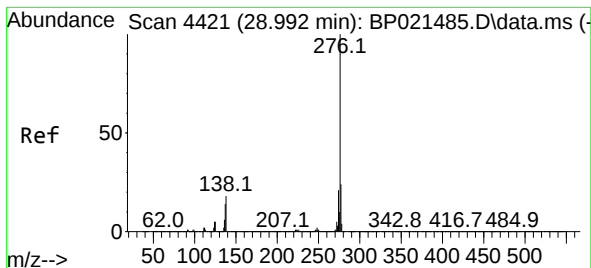
Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion:264 Resp: 2377678

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.7	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.644 ng m

RT: 28.944 min Scan# 4421

Delta R.T. -0.047 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:276 Resp: 117816

Ion Ratio Lower Upper

276 100

138 15.5 12.8 19.2

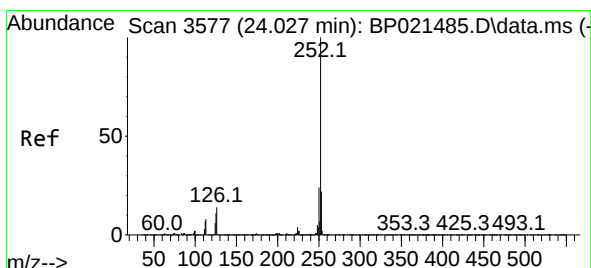
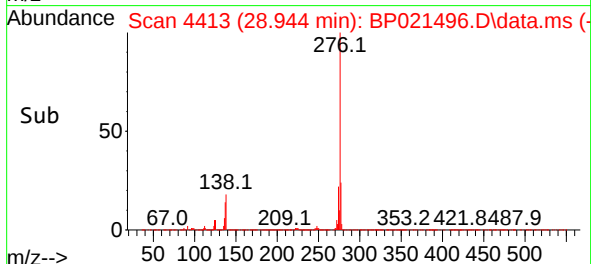
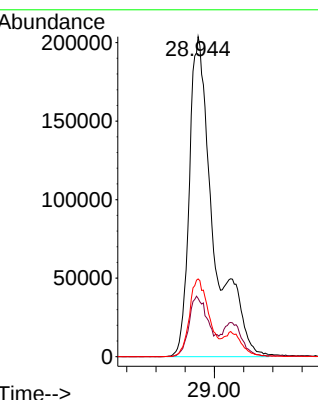
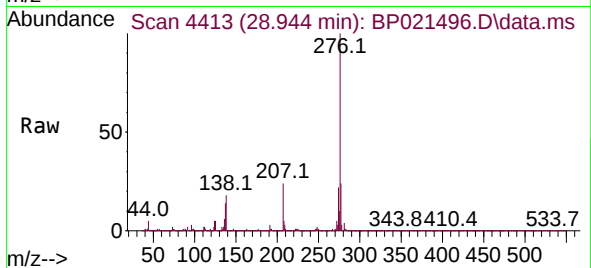
277 19.5 16.5 24.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/14/2024

Supervised By :mohammad ahmed 08/16/2024



#88

Benzo(b)fluoranthene

Concen: 7.592 ng

RT: 24.015 min Scan# 3575

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

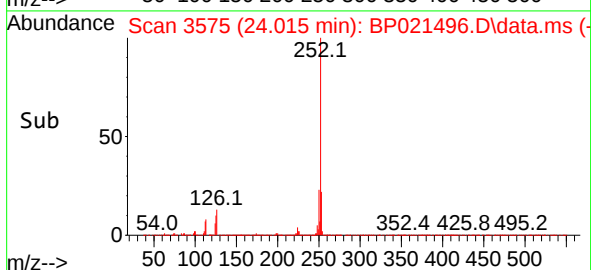
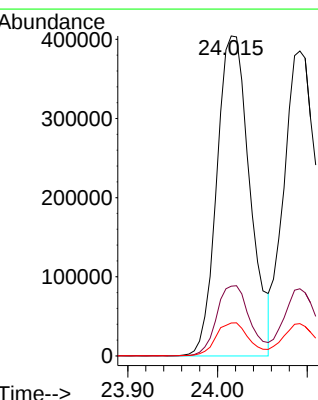
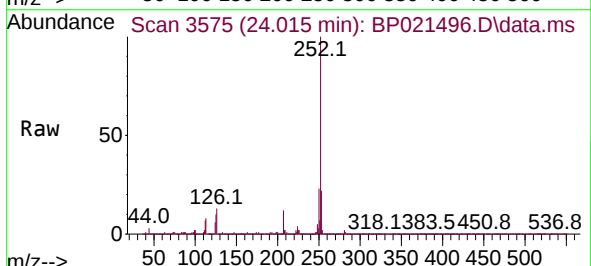
Tgt Ion:252 Resp: 1036730

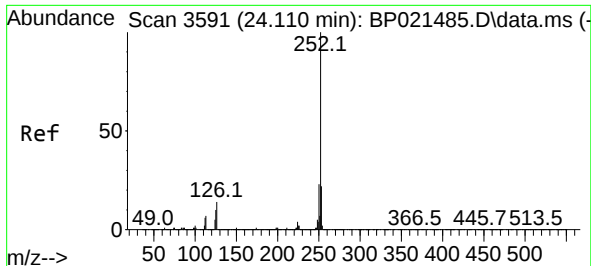
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

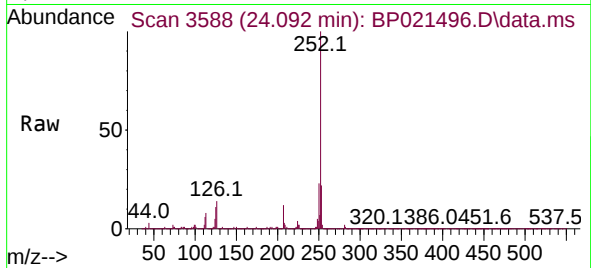
125 10.3 8.6 13.0





#89
Benzo(k)fluoranthene
Concen: 7.771 ng
RT: 24.092 min Scan# 3588
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

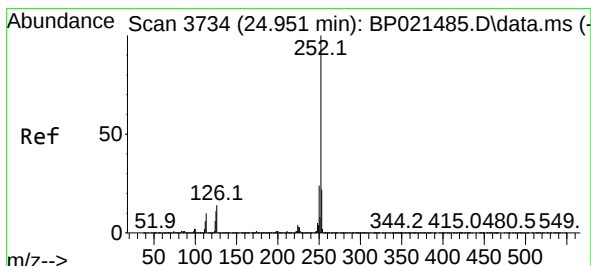
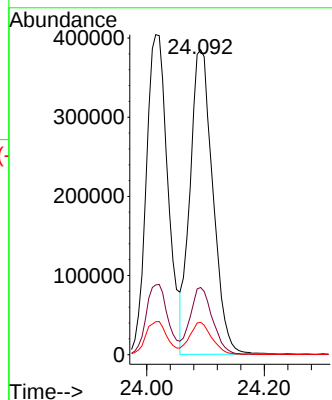
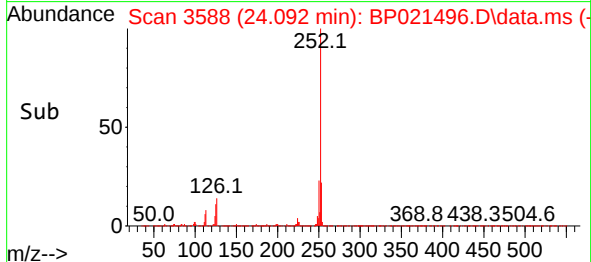
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:252 Resp: 103512
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.6 7.8 11.8

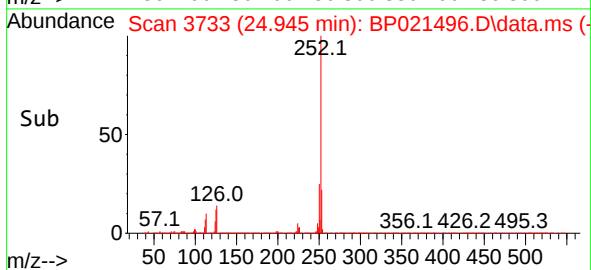
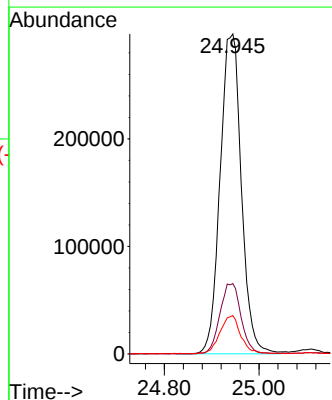
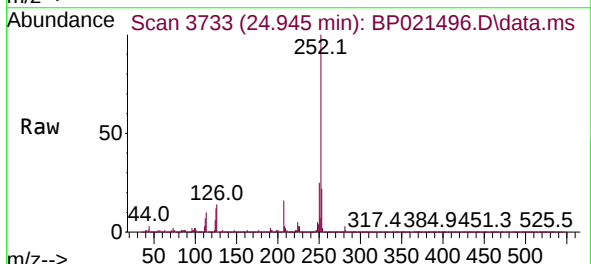
Manual Integrations
APPROVED

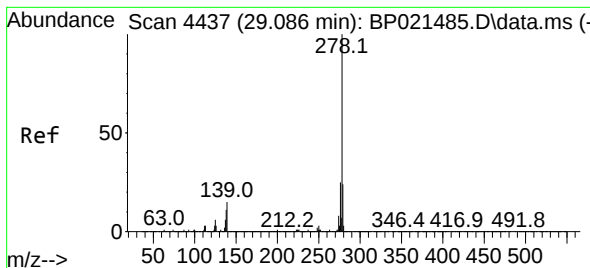
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#90
Benzo(a)pyrene
Concen: 7.827 ng
RT: 24.945 min Scan# 3733
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:252 Resp: 927501
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 12.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 7.696 ng

RT: 29.062 min Scan# 4437

Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

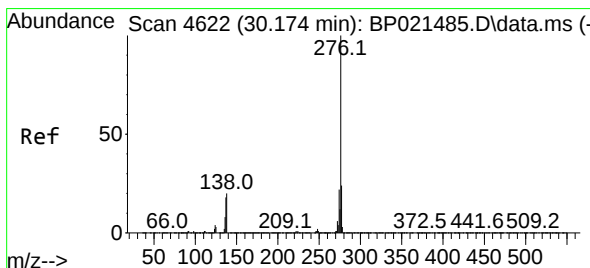
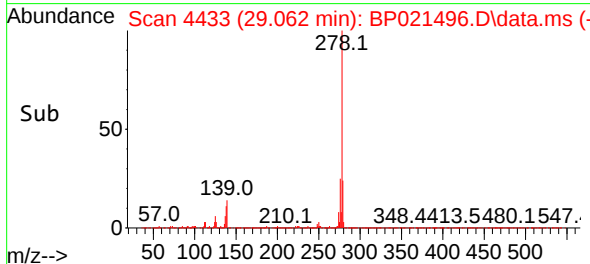
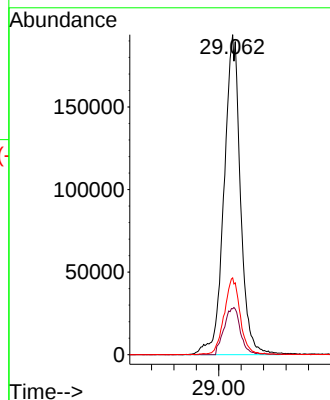
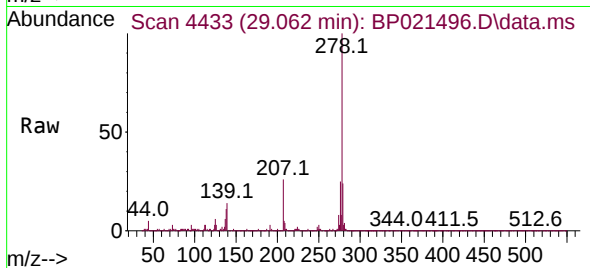
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:	278	Resp:	98553
Ion Ratio	Lower	Upper	
278	100		
139	14.4	12.2	18.4
279	24.0	19.1	28.7

Manual Integrations

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#92

Benzo(g,h,i)perylene

Concen: 7.415 ng

RT: 30.133 min Scan# 4615

Delta R.T. -0.042 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion:	276	Resp:	951757
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.6
138	21.2	16.0	24.0

