

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015302.D
 Acq On : 26 May 2023 10:38
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: May 26 11:50:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/30/2023
 Supervised By : Jagrut Upadhyay 05/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	199709	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	797373	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	507726	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	1070642	20.000	ng	0.00
76) Chrysene-d12	21.586	240	804388	20.000	ng	0.00
86) Perylene-d12	24.139	264	799584	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1298329	107.727	ng	0.00
7) Phenol-d6	7.263	99	1718265	108.789	ng	0.00
23) Nitrobenzene-d5	9.287	82	1296952	79.417	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	752241	109.026	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2886203	76.318	ng	0.00
79) Terphenyl-d14	20.045	244	3617738	84.596	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	20569	3.853	ng	95
3) Pyridine	3.893	79	42210	3.094	ng	97
4) n-Nitrosodimethylamine	3.787	42	23584	3.704	ng	# 99
6) Aniline	7.428	93	78648	3.940	ng	97
8) 2-Chlorophenol	7.669	128	50568	4.015	ng	97
10) Phenol	7.287	94	63419	4.009	ng	92
11) bis(2-Chloroethyl)ether	7.522	93	52986	3.996	ng	96
12) 1,3-Dichlorobenzene	7.993	146	58226	4.155	ng	97
13) 1,4-Dichlorobenzene	8.146	146	58220	4.127	ng	99
14) 1,2-Dichlorobenzene	8.469	146	55951	4.157	ng	96
15) Benzyl Alcohol	8.357	79	39700	3.601	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.646	45	74226m	4.342	ng	
17) 2-Methylphenol	8.557	107	41721	3.706	ng	99
18) Hexachloroethane	9.204	117	22018	4.141	ng	91
19) n-Nitroso-di-n-propyla...	8.922	70	42136	4.168	ng	99
20) 3+4-Methylphenols	8.887	107	54699	3.597	ng	98
22) Acetophenone	8.946	105	85614	4.134	ng	# 98
24) Nitrobenzene	9.328	77	64685	3.978	ng	96
25) Isophorone	9.857	82	109932	3.751	ng	99
26) 2-Nitrophenol	10.052	139	23033	3.227	ng	97
27) 2,4-Dimethylphenol	10.099	122	43580	3.642	ng	98
28) bis(2-Chloroethoxy)met...	10.340	93	74211	4.109	ng	95
29) 2,4-Dichlorophenol	10.587	162	42115	3.394	ng	97
30) 1,2,4-Trichlorobenzene	10.799	180	54734	3.955	ng	97
31) Naphthalene	10.993	128	167536	3.990	ng	100
32) Benzoic acid	10.181	122	10267m	7.283	ng	
33) 4-Chloroaniline	11.110	127	59498	3.427	ng	98
34) Hexachlorobutadiene	11.269	225	33941	3.871	ng	99
35) Caprolactam	11.875	113	11735	3.081	ng	95
36) 4-Chloro-3-methylphenol	12.216	107	47044	3.487	ng	99
37) 2-Methylnaphthalene	12.593	142	118066	3.956	ng	97
38) 1-Methylnaphthalene	12.804	142	109598	3.936	ng	97
40) 1,2,4,5-Tetrachloroben...	12.951	216	64446	3.868	ng	99
41) Hexachlorocyclopentadiene	12.928	237	28338	3.211	ng	99
43) 2,4,6-Trichlorophenol	13.193	196	34946	3.232	ng	95
44) 2,4,5-Trichlorophenol	13.269	196	37938	2.984	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015302.D
 Acq On : 26 May 2023 10:38
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: May 26 11:50:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/30/2023
 Supervised By : Jagrut Upadhyay 05/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.587	154	165072	4.103	ng	98
47) 2-Chloronaphthalene	13.634	162	123038	4.054	ng	99
48) 2-Nitroaniline	13.840	65	28008	3.021	ng	95
49) Acenaphthylene	14.475	152	178404	3.674	ng	100
50) Dimethylphthalate	14.204	163	152821	3.847	ng	99
51) 2,6-Dinitrotoluene	14.328	165	28827	3.437	ng	94
52) Acenaphthene	14.816	154	115402	3.990	ng	99
53) 3-Nitroaniline	14.663	138	24625	2.873	ng	98
54) 2,4-Dinitrophenol	14.875	184	9420	6.748	ng	93
55) Dibenzofuran	15.151	168	187850	3.971	ng	98
56) 4-Nitrophenol	14.963	139	16156	5.482	ng	93
57) 2,4-Dinitrotoluene	15.116	165	33919	3.076	ng	# 91
58) Fluorene	15.798	166	147555	4.038	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.375	232	35413	3.483	ng	98
60) Diethylphthalate	15.563	149	149457	3.777	ng	97
61) 4-Chlorophenyl-phenyle...	15.787	204	75418	4.031	ng	99
62) 4-Nitroaniline	15.828	138	21512	4.527	ng	93
63) Azobenzene	16.081	77	139477	3.695	ng	98
65) 4,6-Dinitro-2-methylph...	15.881	198	16166	2.486	ng	89
66) n-Nitrosodiphenylamine	16.004	169	123822	3.881	ng	99
67) 4-Bromophenyl-phenylether	16.686	248	42857	3.702	ng	96
68) Hexachlorobenzene	16.810	284	52802	4.142	ng	96
69) Atrazine	16.957	200	39739	3.901	ng	97
70) Pentachlorophenol	17.157	266	22526	2.578	ng	95
71) Phenanthrene	17.551	178	231117	4.050	ng	99
72) Anthracene	17.639	178	221815	3.881	ng	98
73) Carbazole	17.910	167	179838	3.554	ng	99
74) Di-n-butylphthalate	18.439	149	208322	3.206	ng	99
75) Fluoranthene	19.504	202	233544	3.503	ng	100
77) Benzidine	19.686	184	61281	4.811	ng	99
78) Pyrene	19.857	202	247831	4.306	ng	99
80) Butylbenzylphthalate	20.710	149	72112	2.957	ng	95
81) Benzo(a)anthracene	21.569	228	211682	3.787	ng	98
82) 3,3'-Dichlorobenzidine	21.498	252	63859	3.699	ng	99
83) Chrysene	21.622	228	207936	3.880	ng	98
84) Bis(2-ethylhexyl)phtha...	21.469	149	96841	2.696	ng	99
85) Di-n-octyl phthalate	22.439	149	145356	2.392	ng	97
87) Indeno(1,2,3-cd)pyrene	26.839	276	209268	3.611	ng	99
88) Benzo(b)fluoranthene	23.351	252	188589	3.879	ng	# 98
89) Benzo(k)fluoranthene	23.404	252	183871m	3.756	ng	
90) Benzo(a)pyrene	24.027	252	160538	3.420	ng	98
91) Dibenzo(a,h)anthracene	26.857	278	171485	3.603	ng	97
92) Benzo(g,h,i)perylene	27.668	276	170192	3.519	ng	99

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

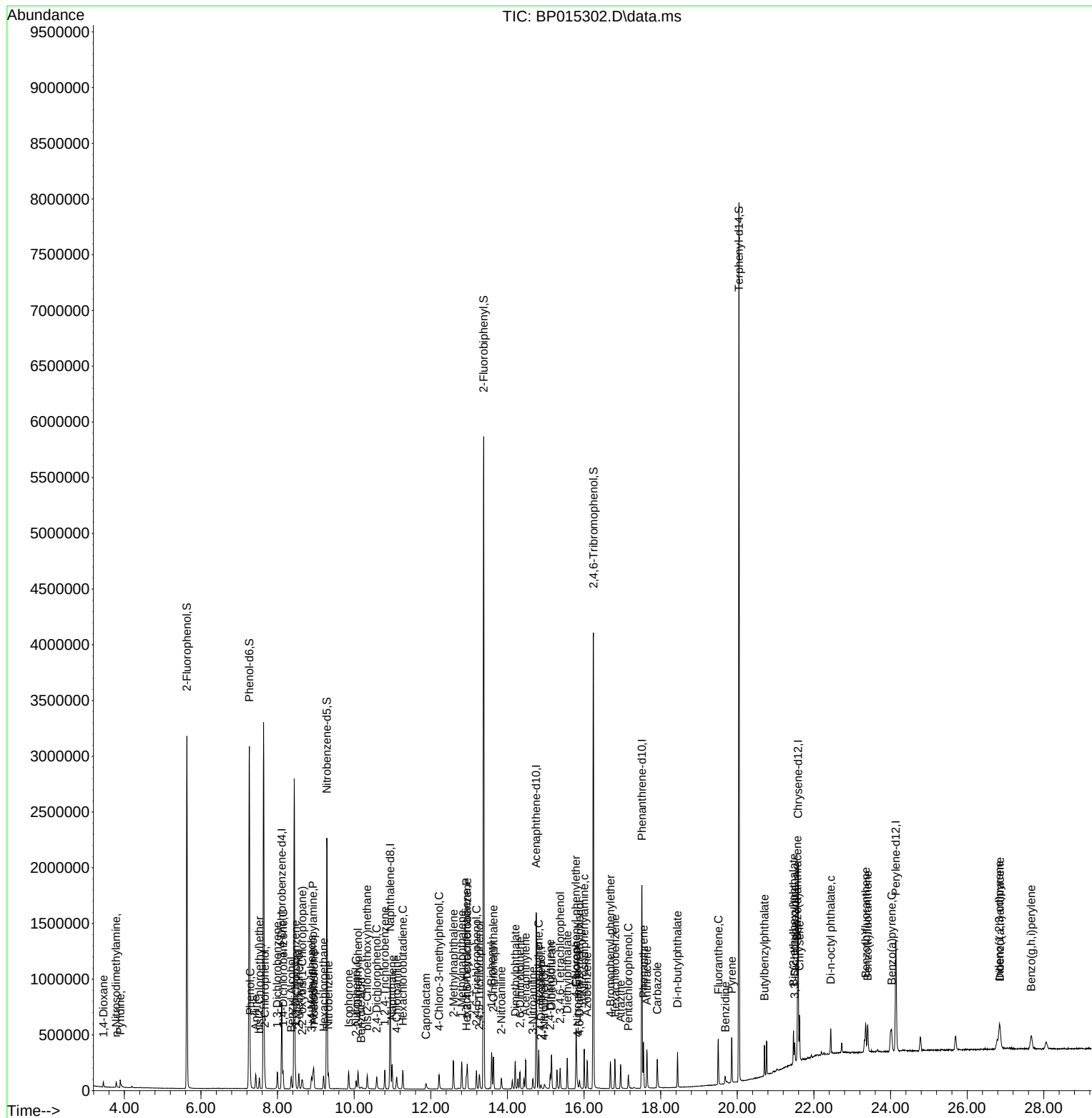
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015302.D
 Acq On : 26 May 2023 10:38
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

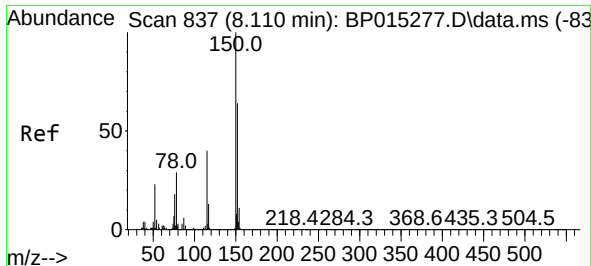
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: May 26 11:50:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

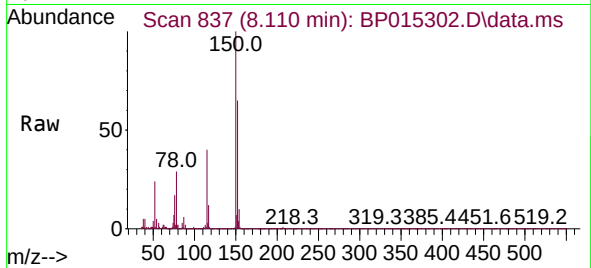
Reviewed By : Christian Giraldo 05/30/2023
 Supervised By : Jagrut Upadhyay 05/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

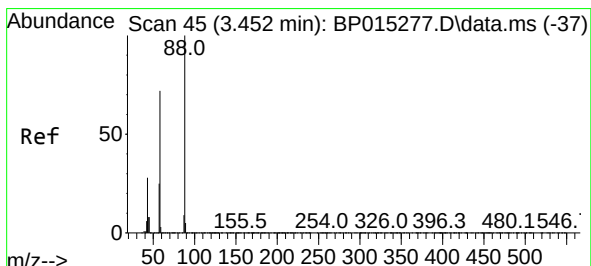
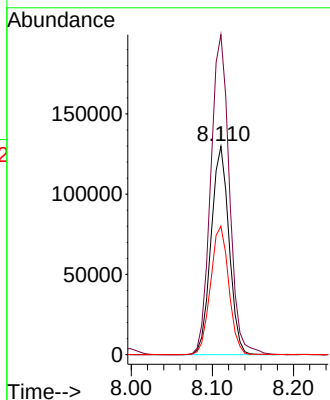
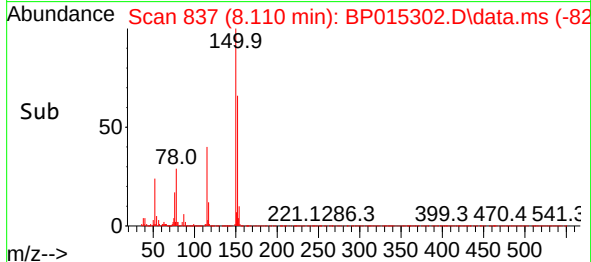
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:152 Resp: 199709
Ion Ratio Lower Upper
152 100
150 153.6 124.2 186.2
115 61.6 49.1 73.7

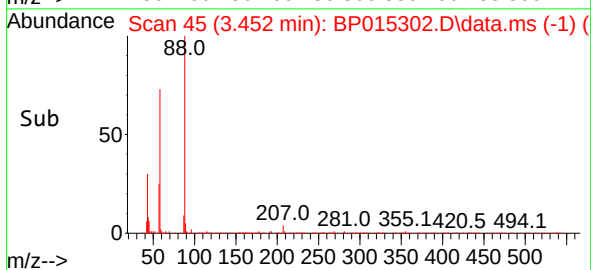
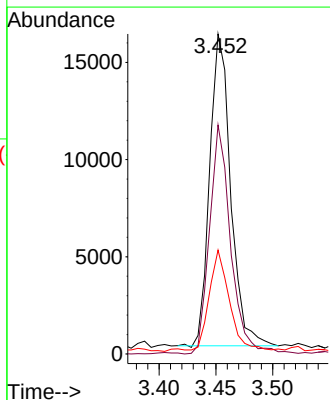
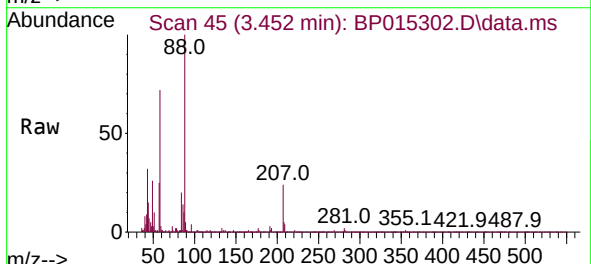
Manual Integrations
APPROVED

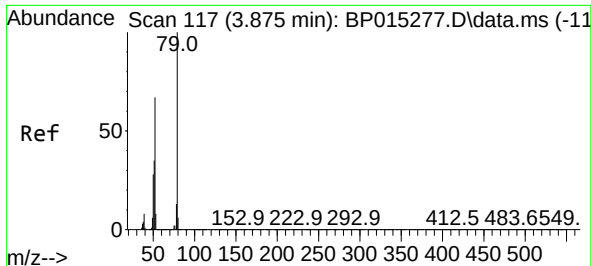
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#2
1,4-Dioxane
Concen: 3.853 ng
RT: 3.452 min Scan# 45
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 88 Resp: 20569
Ion Ratio Lower Upper
88 100
58 74.2 56.2 84.4
43 30.0 22.1 33.1





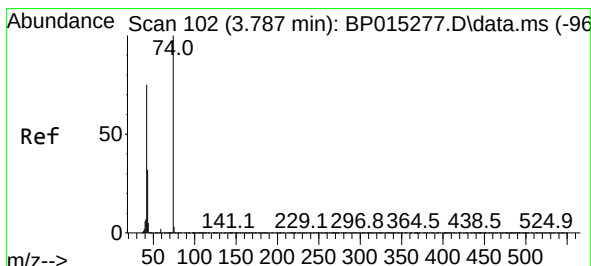
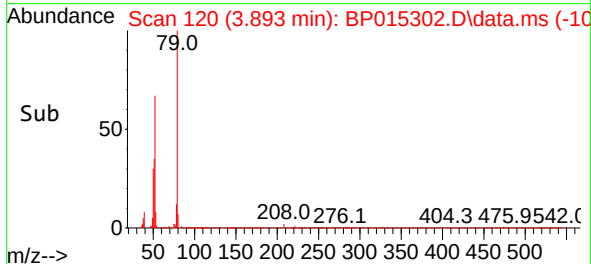
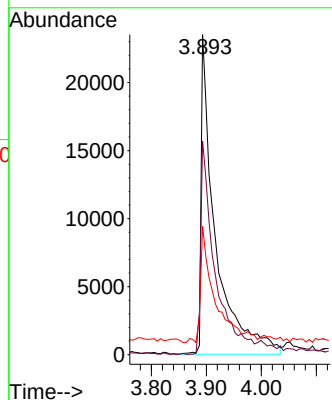
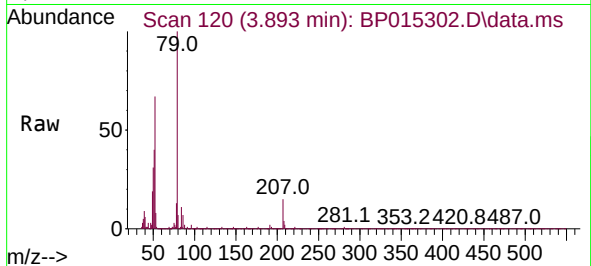
#3
Pyridine
Concen: 3.094 ng
RT: 3.893 min Scan# 117
Delta R.T. 0.018 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 79 Resp: 42210
Ion Ratio Lower Upper
79 100
52 66.7 53.7 80.5
51 40.1 28.6 43.0

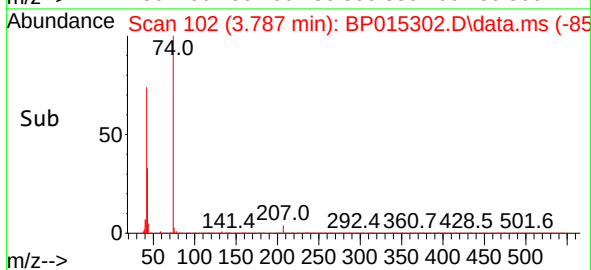
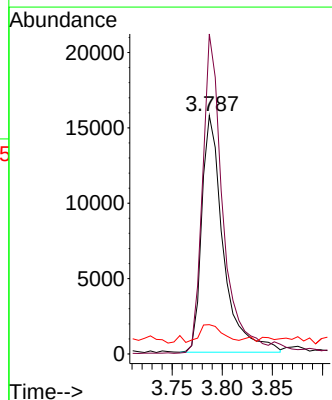
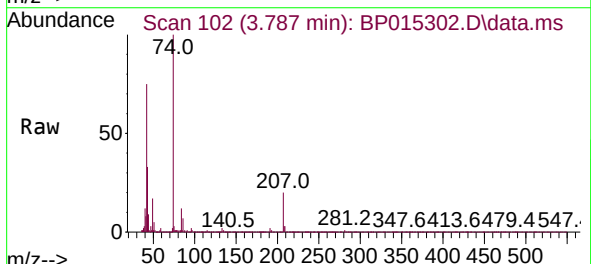
Manual Integrations
APPROVED

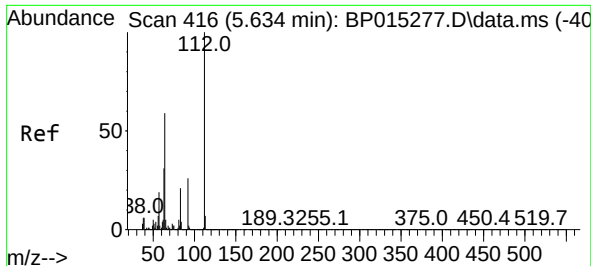
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#4
n-Nitrosodimethylamine
Concen: 3.704 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

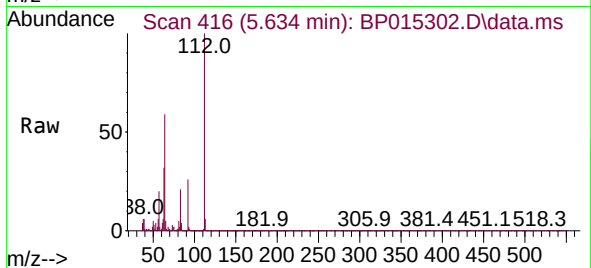
Tgt Ion: 42 Resp: 23584
Ion Ratio Lower Upper
42 100
74 134.2 106.6 160.0
44 12.3 5.8 8.8





#5
2-Fluorophenol
Concen: 107.727 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

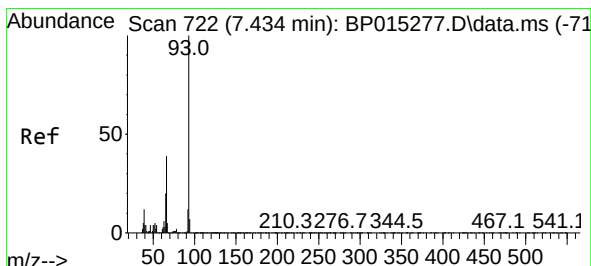
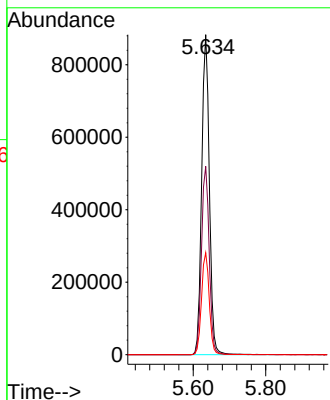
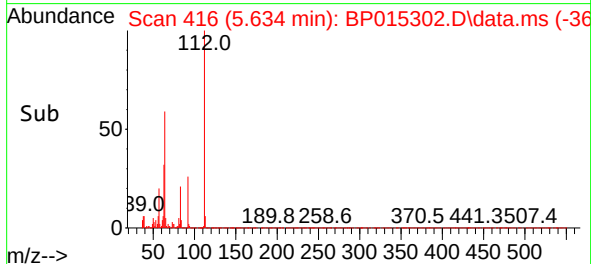
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



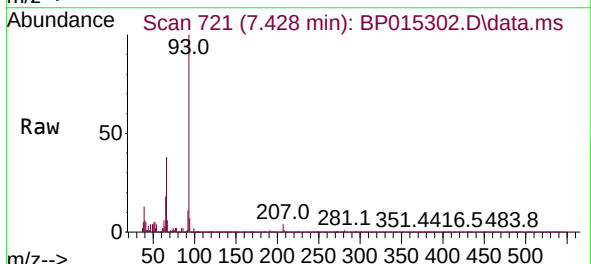
Tgt Ion: 112 Resp: 1298329
Ion Ratio Lower Upper
112 100
64 58.8 47.2 70.8
63 31.9 24.6 37.0

Manual Integrations
APPROVED

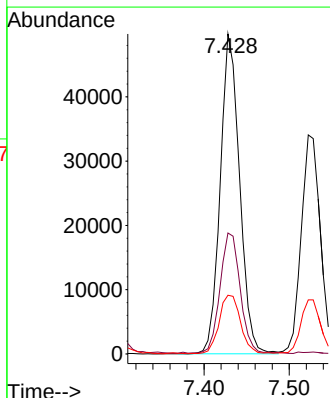
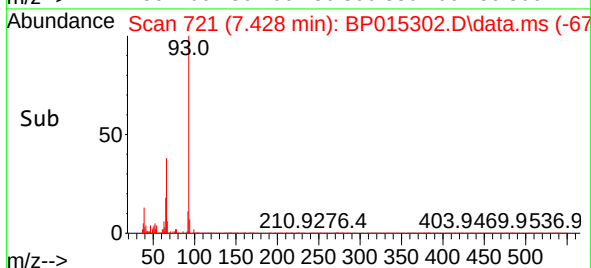
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

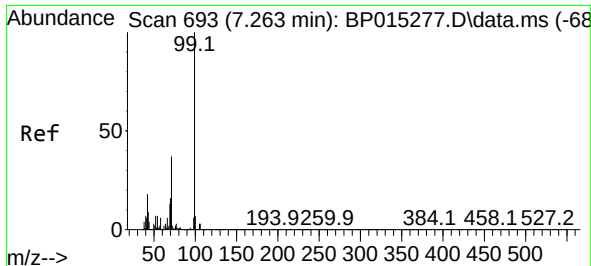


#6
Aniline
Concen: 3.940 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



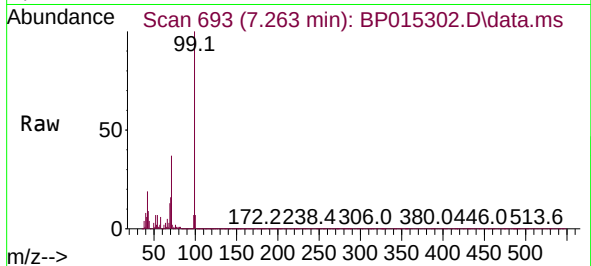
Tgt Ion: 93 Resp: 78648
Ion Ratio Lower Upper
93 100
66 37.8 31.3 46.9
65 18.4 16.0 24.0





#7
Phenol-d6
Concen: 108.789 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

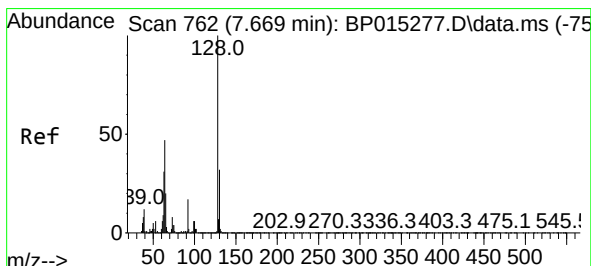
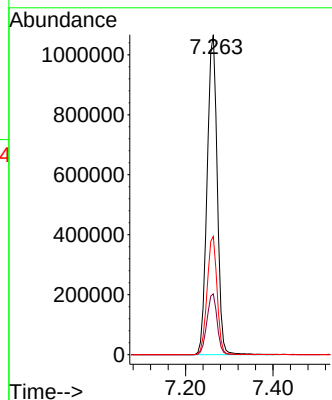
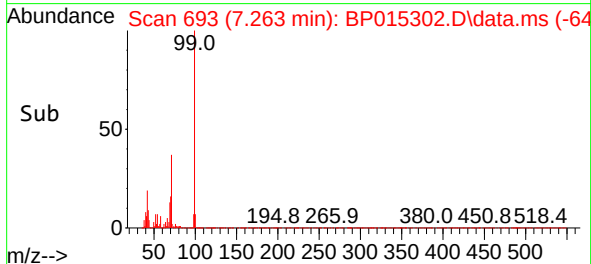
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



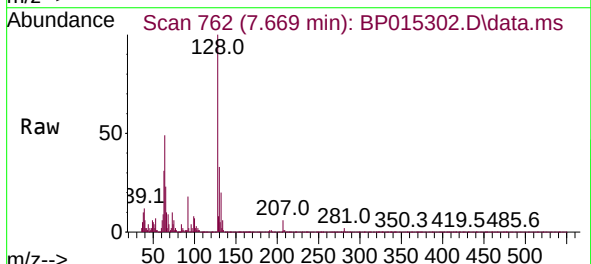
Tgt Ion: 99 Resp: 171826
Ion Ratio Lower Upper
99 100
42 19.0 14.6 22.0
71 37.0 29.4 44.2

Manual Integrations
APPROVED

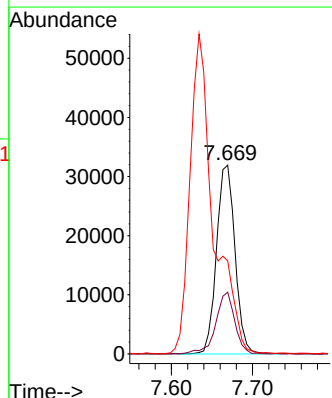
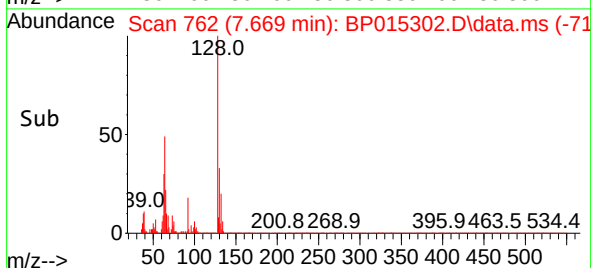
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

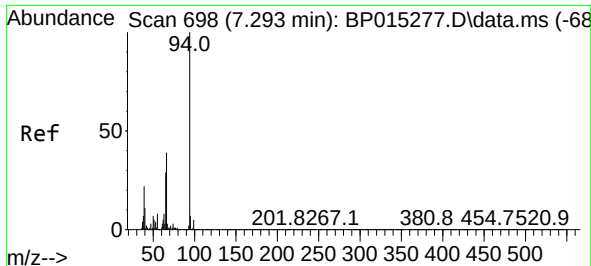


#8
2-Chlorophenol
Concen: 4.015 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



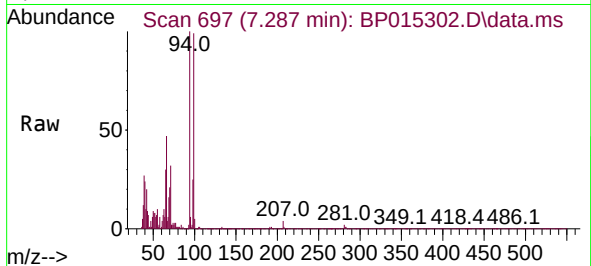
Tgt Ion:128 Resp: 50568
Ion Ratio Lower Upper
128 100
130 32.7 11.5 51.5
64 49.3 27.3 67.3





#10
Phenol
Concen: 4.009 ng
RT: 7.287 min Scan# 698
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

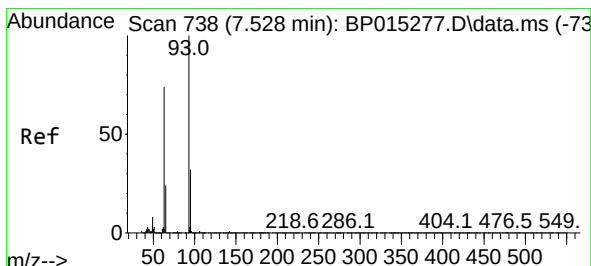
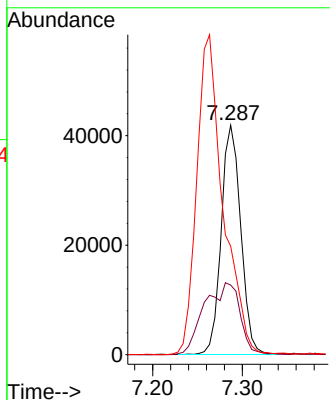
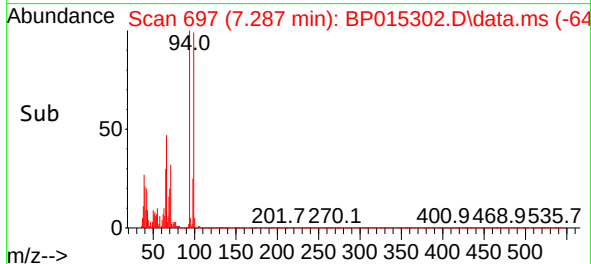
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



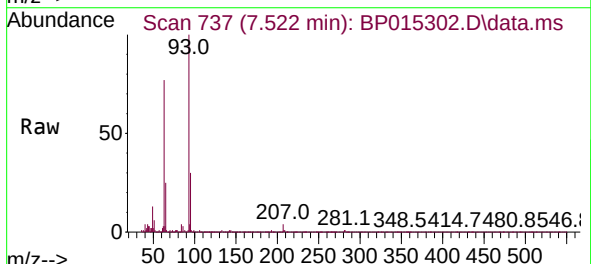
Tgt Ion: 94 Resp: 63419
Ion Ratio Lower Upper
94 100
65 30.3 9.1 49.1
66 47.3 19.3 59.3

Manual Integrations
APPROVED

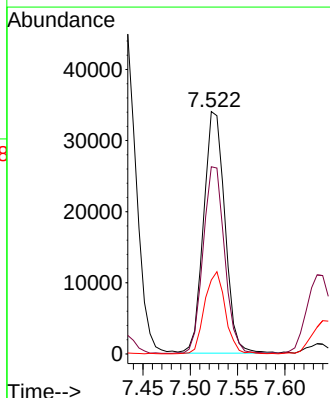
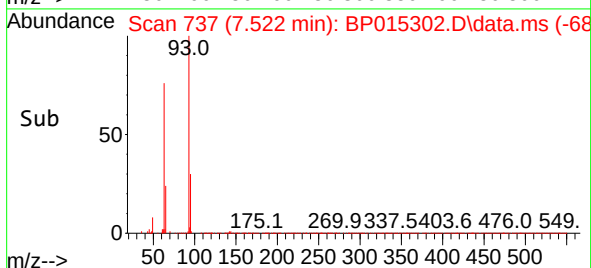
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

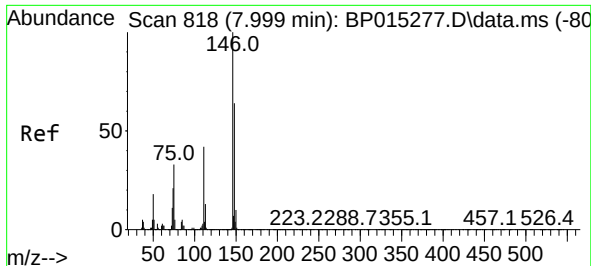


#11
bis(2-Chloroethyl)ether
Concen: 3.996 ng
RT: 7.522 min Scan# 737
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



Tgt Ion: 93 Resp: 52986
Ion Ratio Lower Upper
93 100
63 77.2 53.9 93.9
95 30.5 12.2 52.2





#12

1,3-Dichlorobenzene

Concen: 4.155 ng

RT: 7.993 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

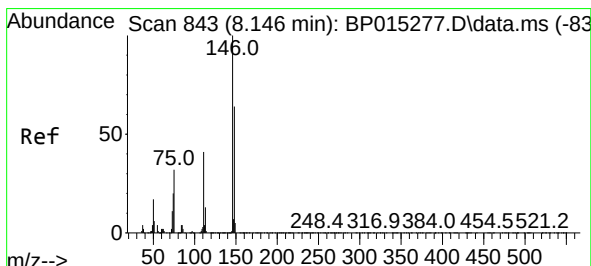
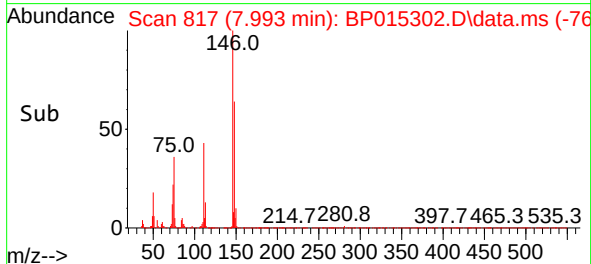
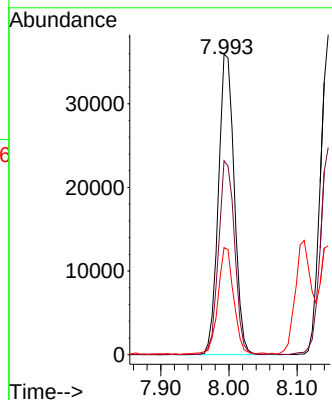
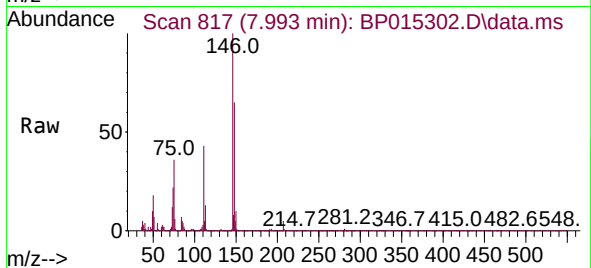
ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:146 Resp: 58220
 Ion Ratio Lower Upper
 146 100
 148 64.5 50.8 76.2
 75 35.6 26.1 39.1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/30/2023
 Supervised By :Jagrut Upadhyay 05/31/2023



#13

1,4-Dichlorobenzene

Concen: 4.127 ng

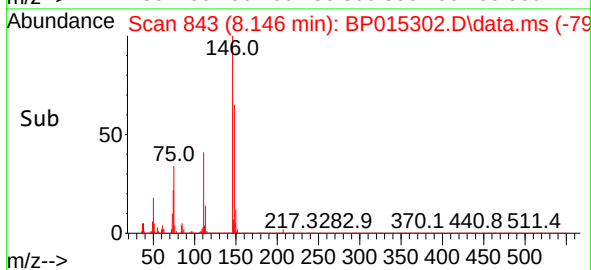
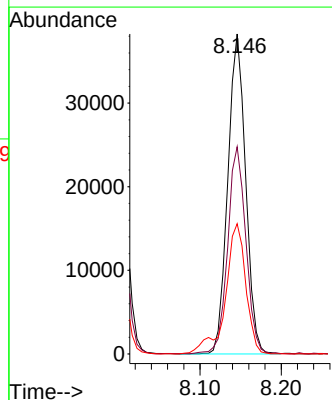
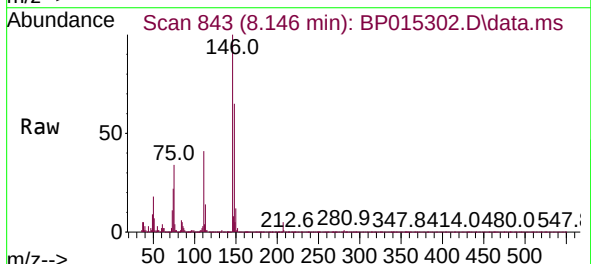
RT: 8.146 min Scan# 843

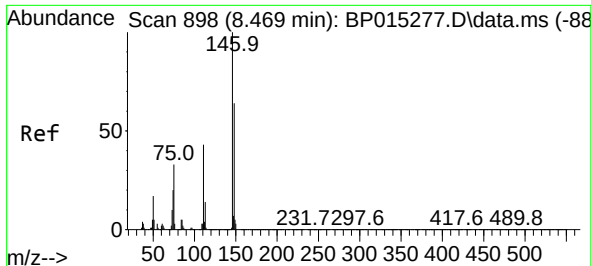
Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:146 Resp: 58220
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.0 76.6
 111 40.7 33.3 49.9





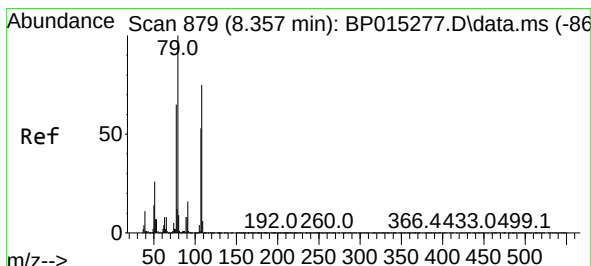
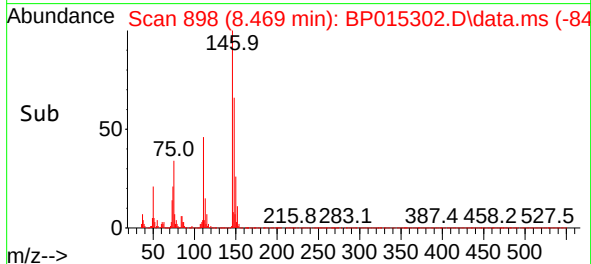
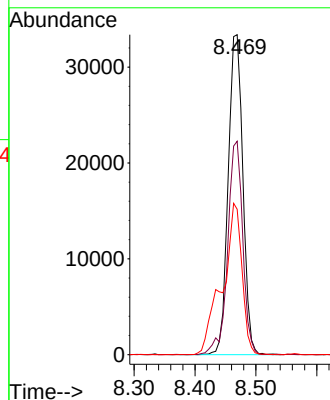
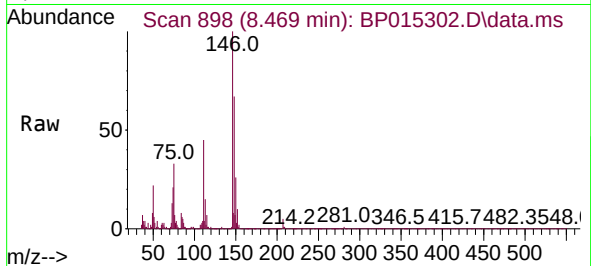
#14
1,2-Dichlorobenzene
Concen: 4.157 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:146 Resp: 5595
Ion Ratio Lower Upper
146 100
148 66.7 51.4 77.2
111 45.4 34.2 51.2

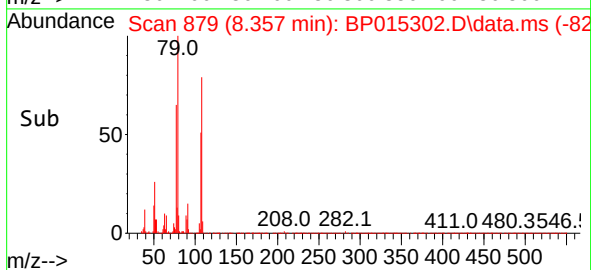
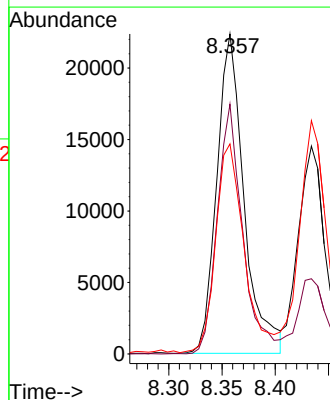
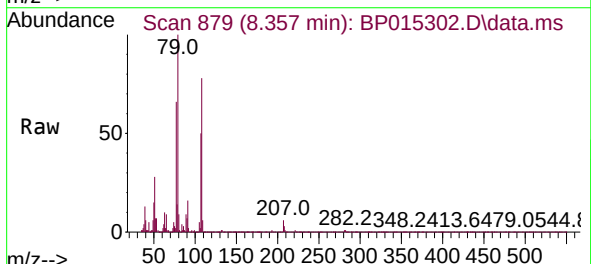
Manual Integrations
APPROVED

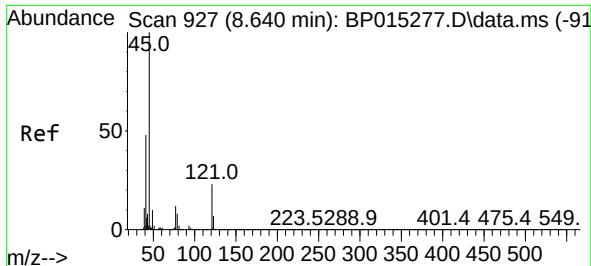
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#15
Benzyl Alcohol
Concen: 3.601 ng
RT: 8.357 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 79 Resp: 39700
Ion Ratio Lower Upper
79 100
108 78.1 60.2 90.2
77 65.7 52.1 78.1





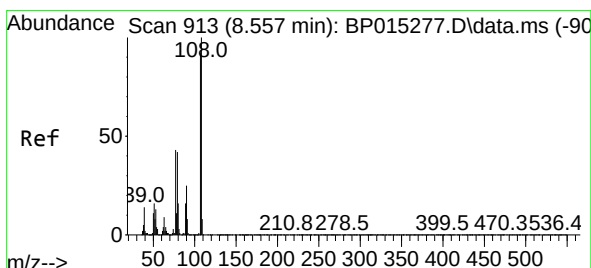
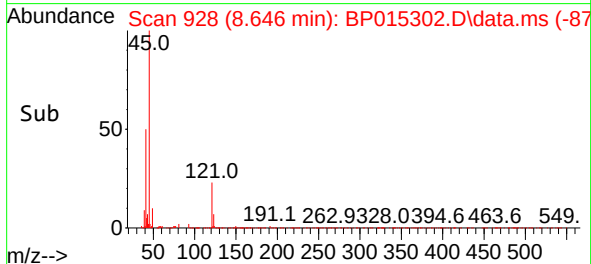
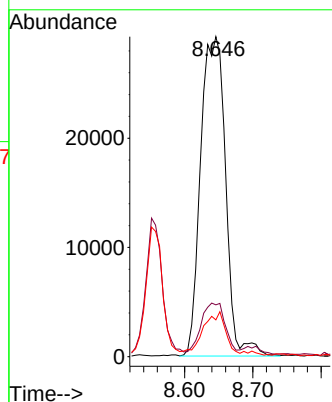
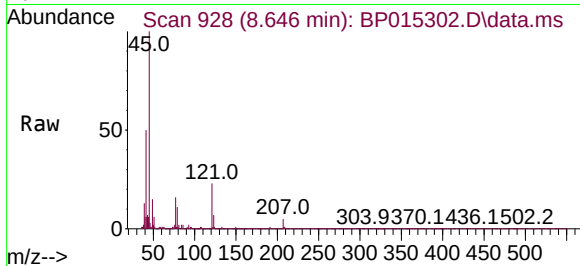
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.342 ng m
RT: 8.646 min Scan# 916
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 45 Resp: 74220
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.3
79 11.5 0.0 31.2

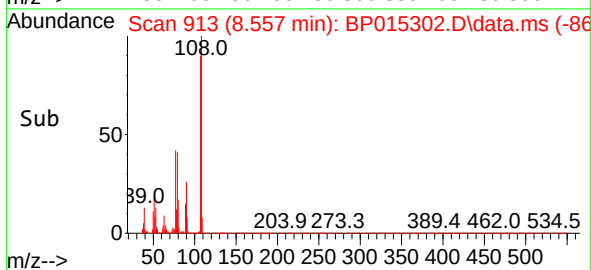
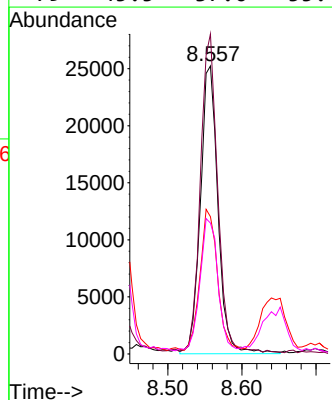
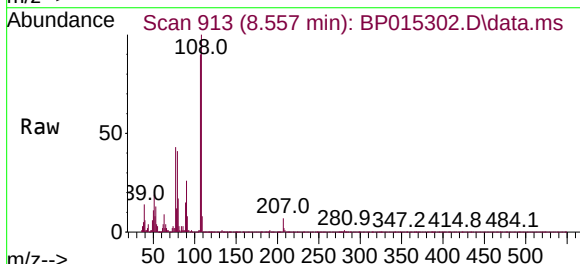
Manual Integrations
APPROVED

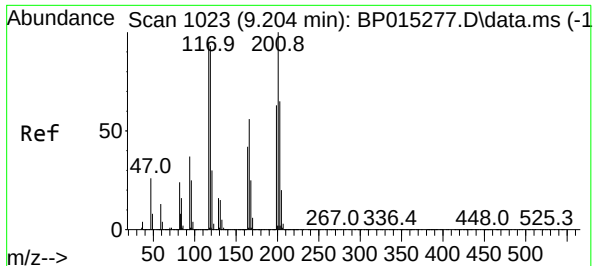
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#17
2-Methylphenol
Concen: 3.706 ng
RT: 8.557 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

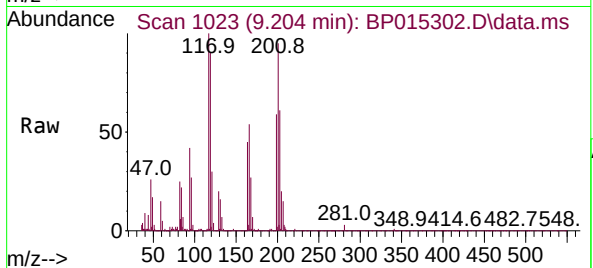
Tgt Ion:107 Resp: 41721
Ion Ratio Lower Upper
107 100
108 111.1 87.3 130.9
77 47.7 38.1 57.1
79 45.5 37.0 55.4





#18
Hexachloroethane
Concen: 4.141 ng
RT: 9.204 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

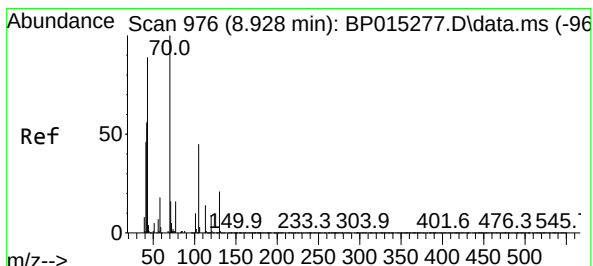
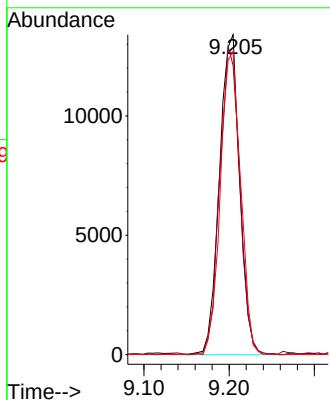
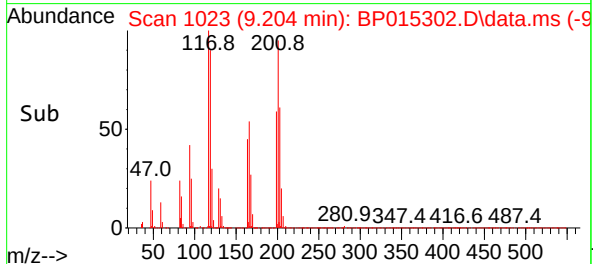
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



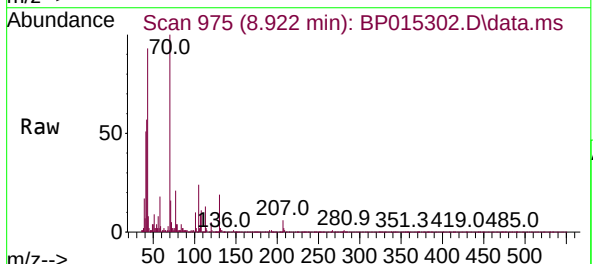
Tgt Ion: 117 Resp: 22018
Ion Ratio Lower Upper
117 100
119 90.4 78.8 118.2
201 94.8 84.5 126.7

Manual Integrations
APPROVED

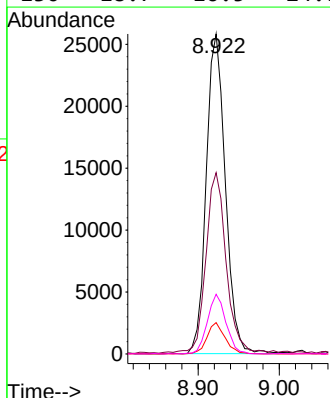
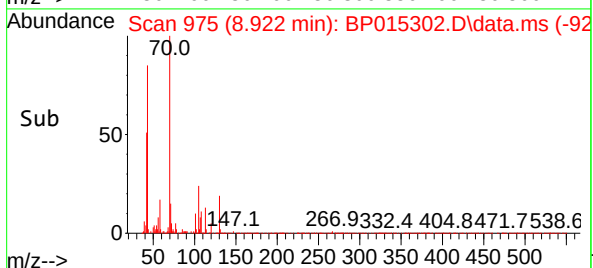
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

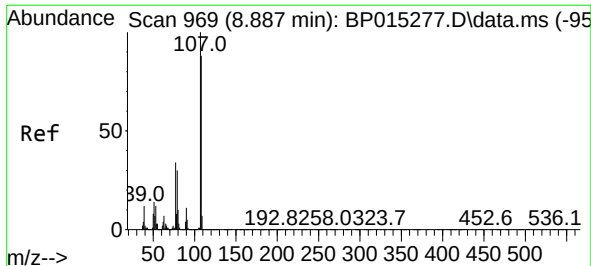


#19
n-Nitroso-di-n-propylamine
Concen: 4.168 ng
RT: 8.922 min Scan# 975
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



Tgt Ion: 70 Resp: 42136
Ion Ratio Lower Upper
70 100
42 56.6 45.4 68.2
101 9.8 7.9 11.9
130 18.7 16.5 24.7





#20

3+4-Methylphenols

Concen: 3.597 ng

RT: 8.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BP015302.D

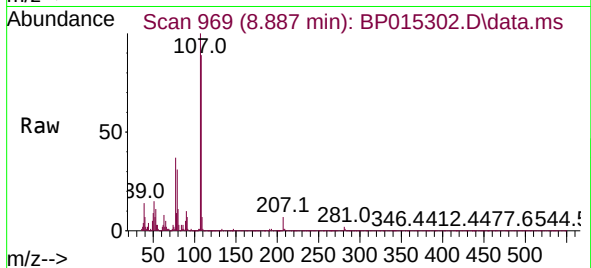
Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

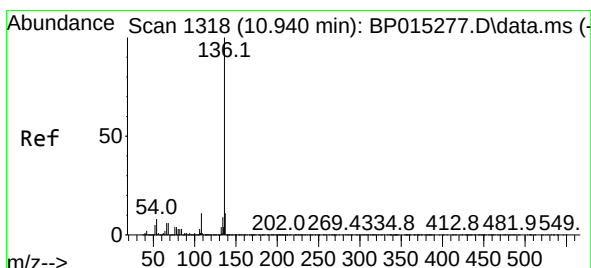
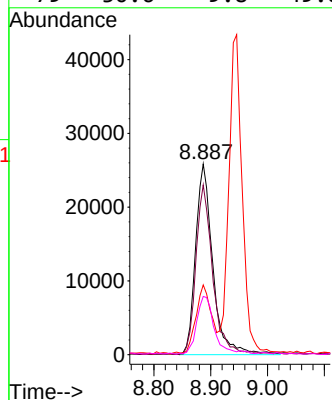
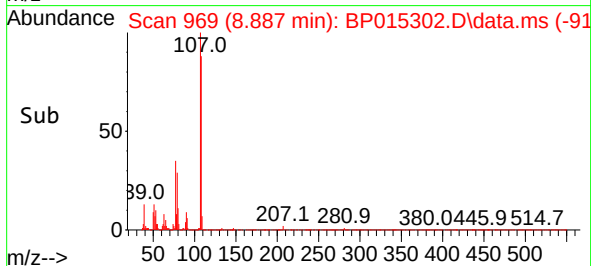


Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.0	108.0
77	36.6	14.5	54.5
79	30.6	9.8	49.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#21

Naphthalene-d8

Concen: 20.000 ng

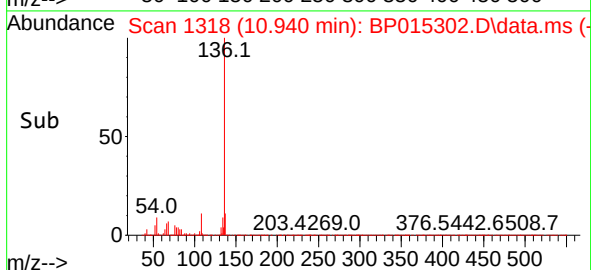
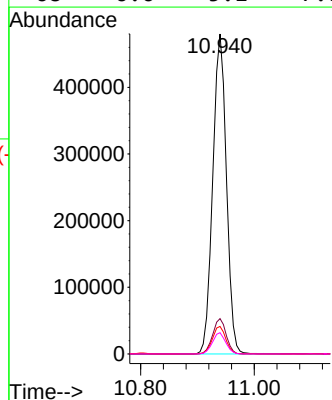
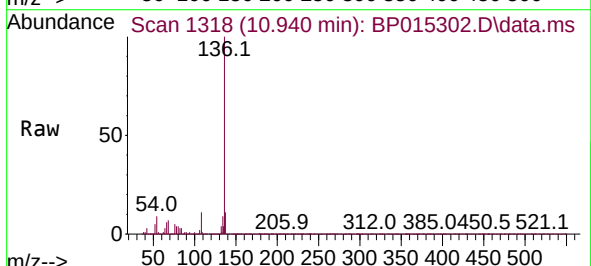
RT: 10.940 min Scan# 1318

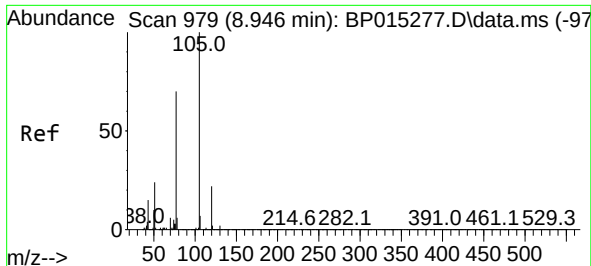
Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

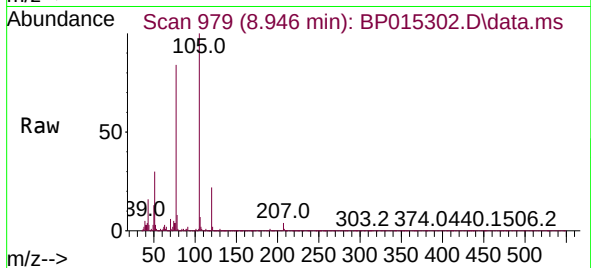
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.6	6.3	9.5
68	6.6	5.1	7.7





#22
Acetophenone
Concen: 4.134 ng
RT: 8.946 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

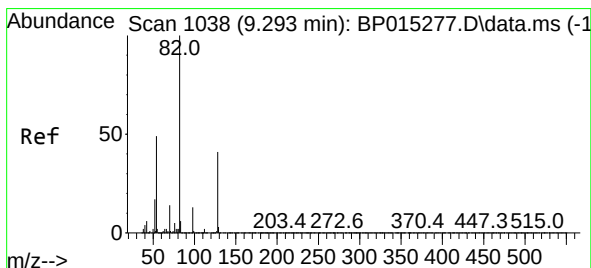
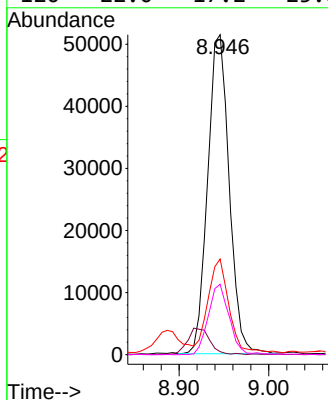
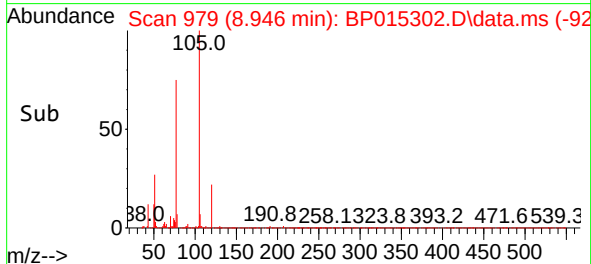
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 105 Resp: 85614
Ion Ratio Lower Upper
105 100
71 1.0 1.5 2.3
51 29.9 22.5 33.7
120 22.0 17.2 25.8

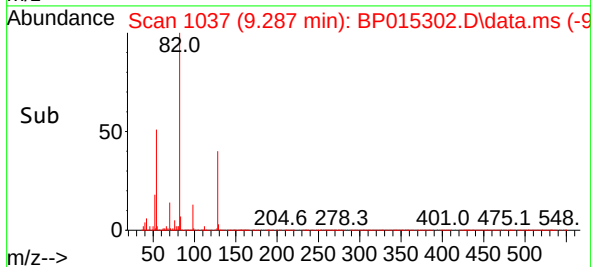
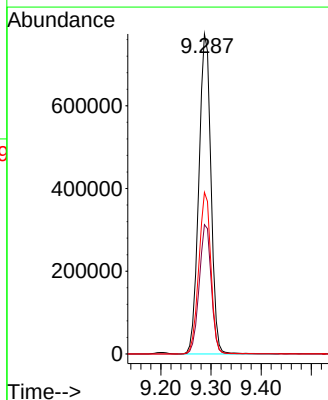
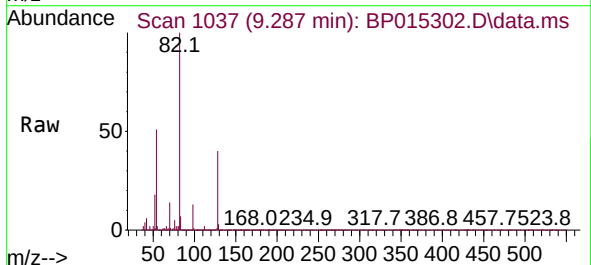
Manual Integrations
APPROVED

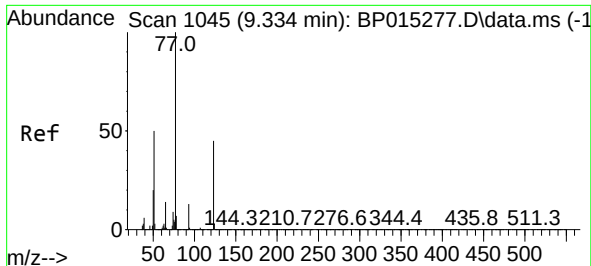
Reviewed By : Christian Giraldo 05/30/2023
Supervised By : Jagrut Upadhyay 05/31/2023



#23
Nitrobenzene-d5
Concen: 79.417 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 82 Resp: 1296952
Ion Ratio Lower Upper
82 100
128 40.4 33.0 49.4
54 50.5 39.2 58.8





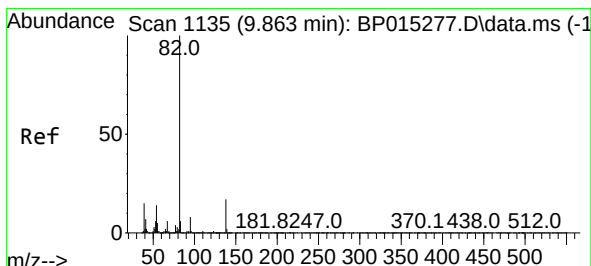
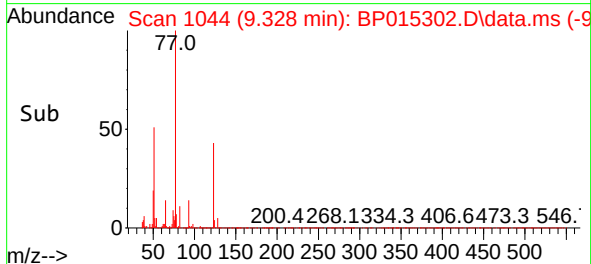
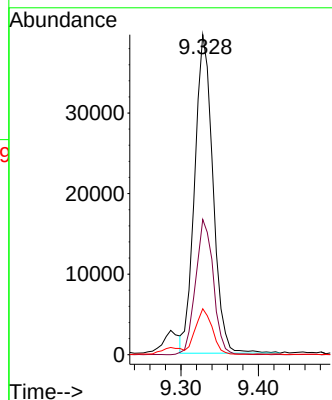
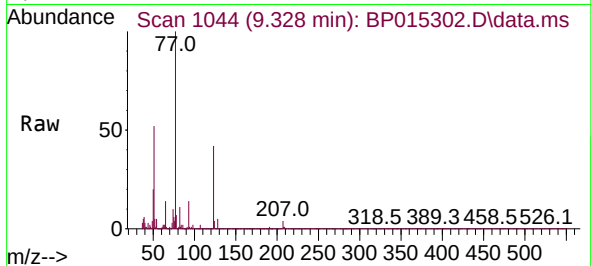
#24
Nitrobenzene
Concen: 3.978 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 77 Resp: 6468
Ion Ratio Lower Upper
77 100
123 42.3 36.2 54.4
65 14.4 10.8 16.2

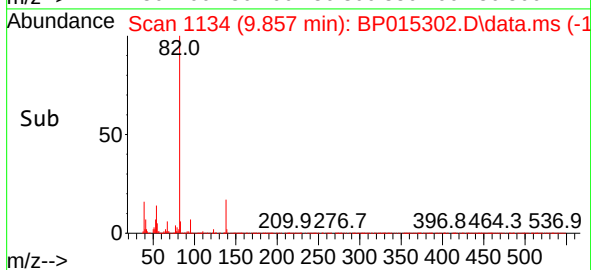
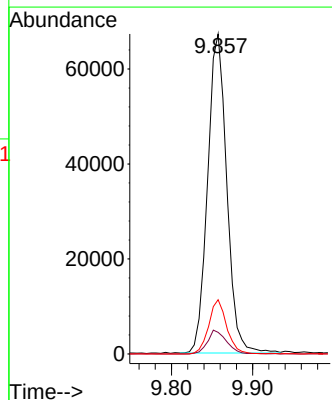
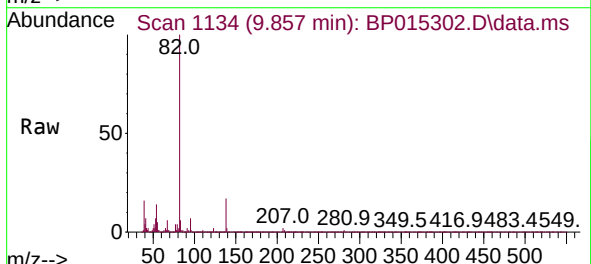
Manual Integrations
APPROVED

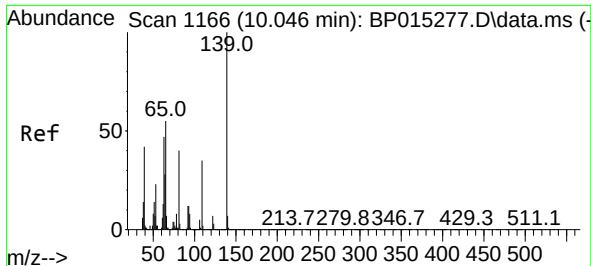
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#25
Isophorone
Concen: 3.751 ng
RT: 9.857 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 82 Resp: 109932
Ion Ratio Lower Upper
82 100
95 6.8 6.3 9.5
138 16.9 13.6 20.4





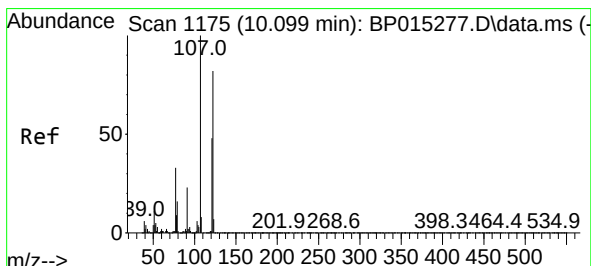
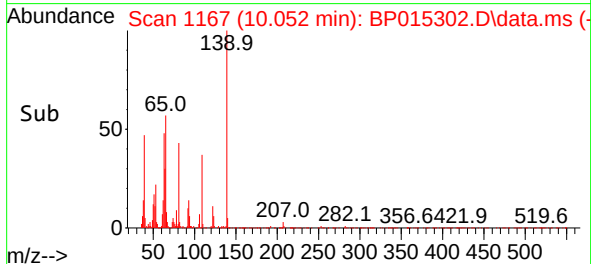
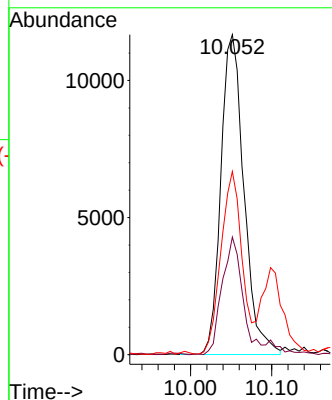
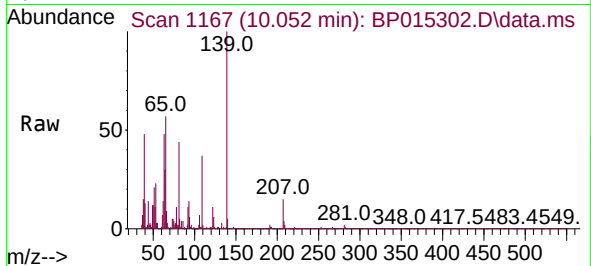
#26
2-Nitrophenol
Concen: 3.227 ng
RT: 10.052 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:139 Resp: 2303
Ion Ratio Lower Upper
139 100
109 36.8 28.4 42.6
65 57.3 43.8 65.8

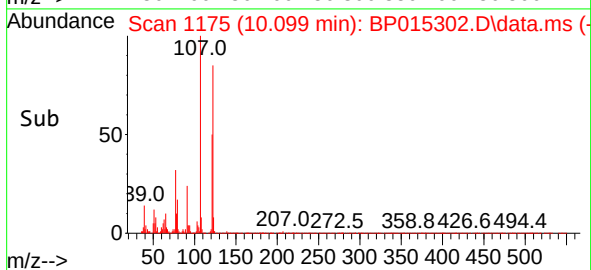
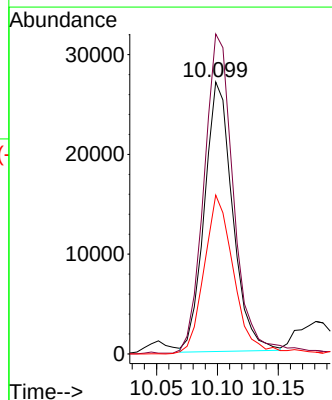
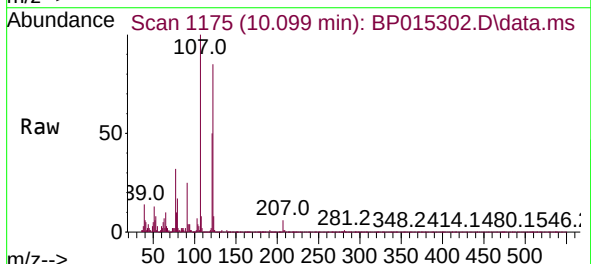
Manual Integrations
APPROVED

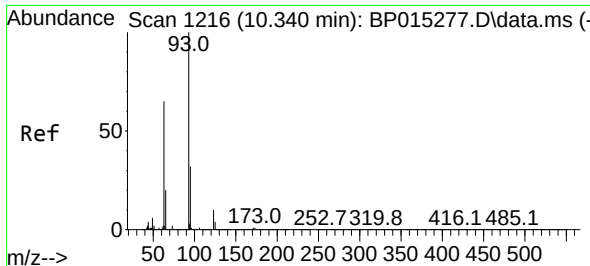
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#27
2,4-Dimethylphenol
Concen: 3.642 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:122 Resp: 43580
Ion Ratio Lower Upper
122 100
107 117.6 95.9 143.9
121 58.4 45.8 68.8





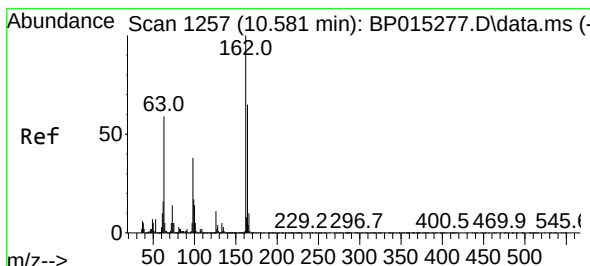
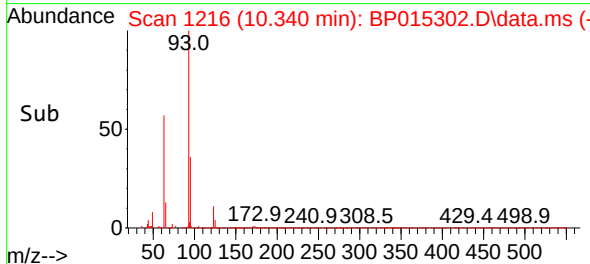
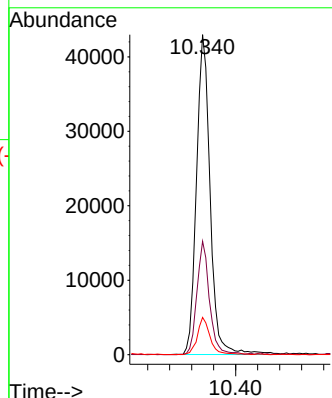
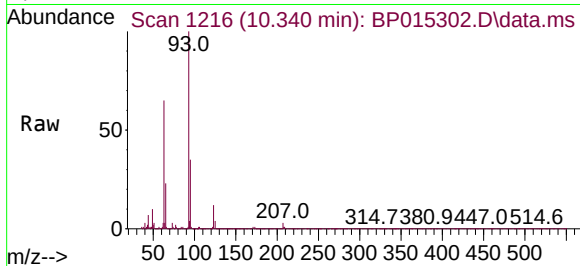
#28
bis(2-Chloroethoxy)methane
Concen: 4.109 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 93 Resp: 7421
Ion Ratio Lower Upper
93 100
95 35.4 26.0 39.0
123 11.7 8.4 12.6

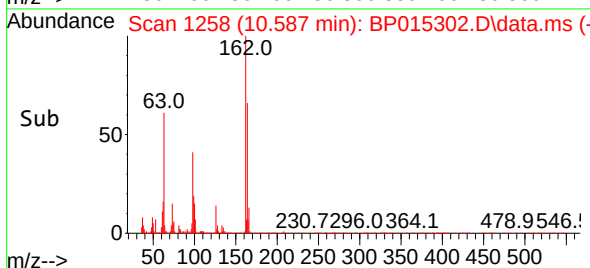
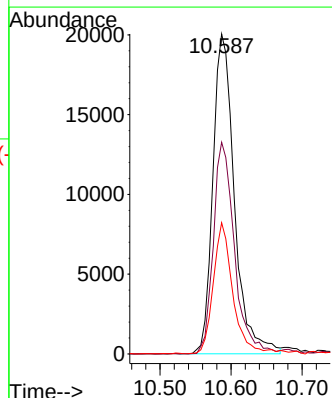
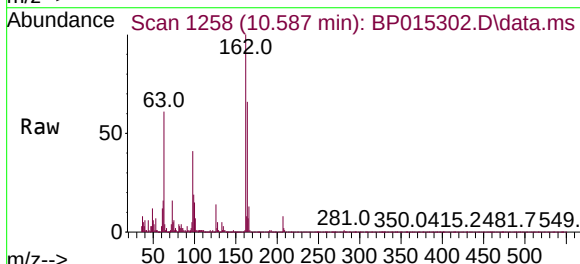
Manual Integrations
APPROVED

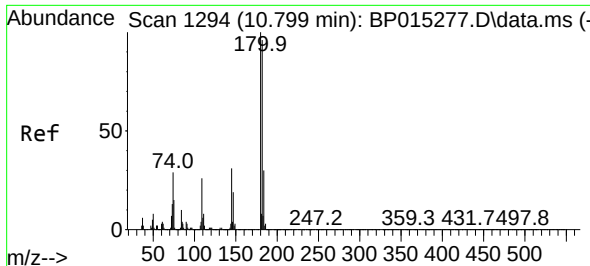
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#29
2,4-Dichlorophenol
Concen: 3.394 ng
RT: 10.587 min Scan# 1258
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:162 Resp: 42115
Ion Ratio Lower Upper
162 100
164 66.2 45.4 85.4
98 41.0 17.9 57.9





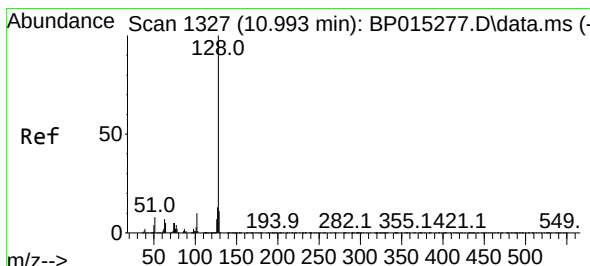
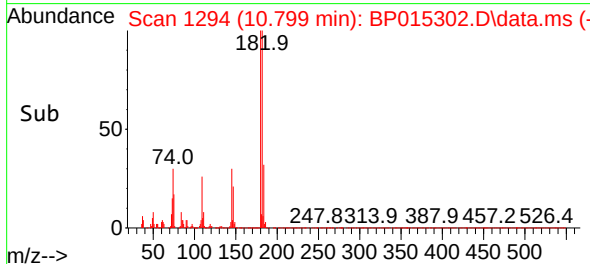
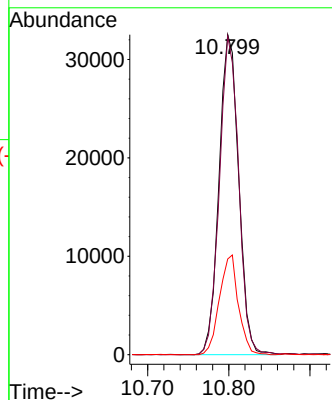
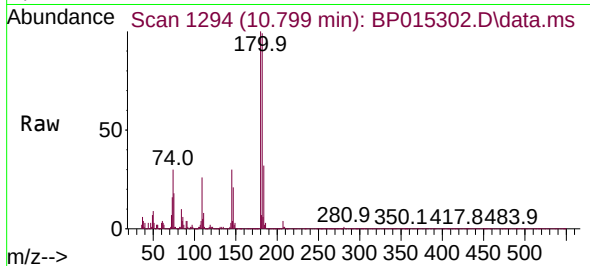
#30
1,2,4-Trichlorobenzene
Concen: 3.955 ng
RT: 10.799 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:180 Resp: 54734
Ion Ratio Lower Upper
180 100
182 99.5 76.6 115.0
145 29.9 24.9 37.3

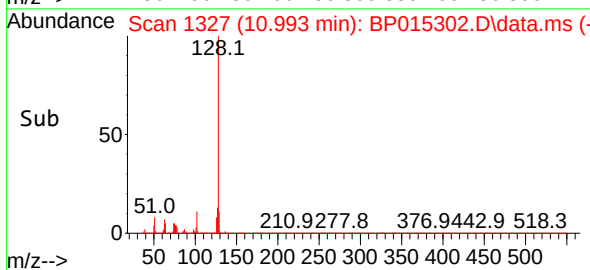
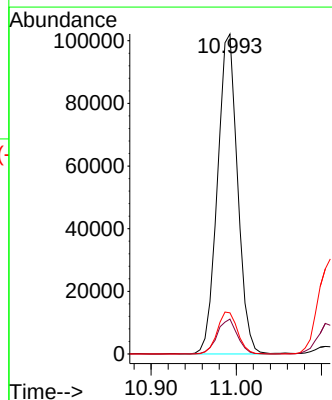
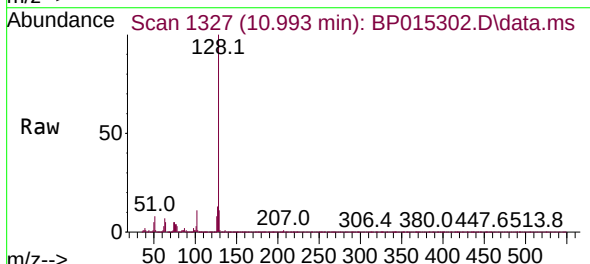
Manual Integrations
APPROVED

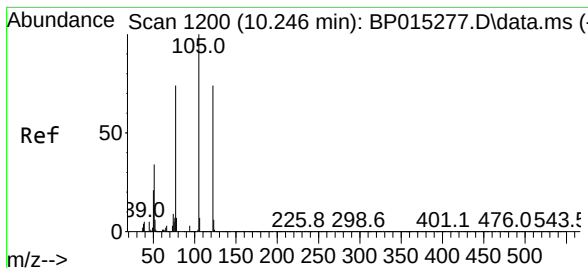
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#31
Naphthalene
Concen: 3.990 ng
RT: 10.993 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:128 Resp: 167536
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.4 15.6





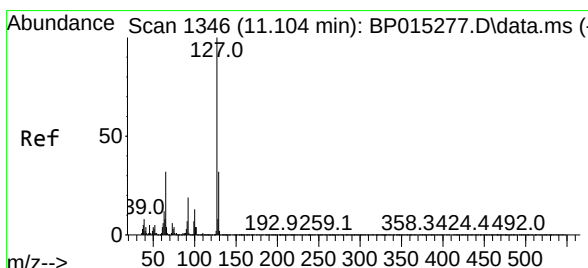
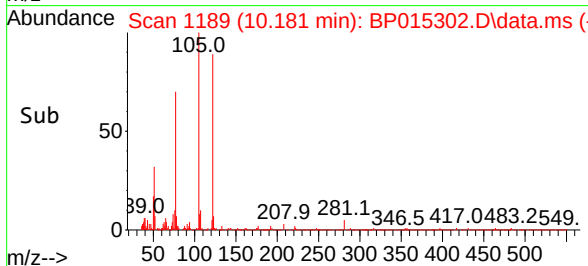
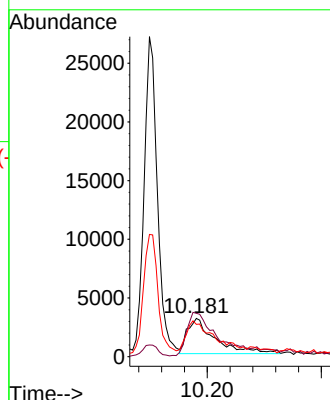
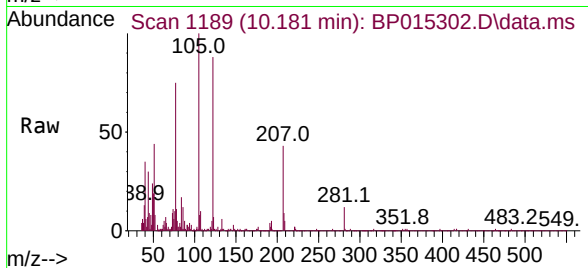
#32
Benzoic acid
Concen: 7.283 ng m
RT: 10.181 min Scan# 1189
Delta R.T. -0.065 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:122 Resp: 1026
Ion Ratio Lower Upper
122 100
105 113.3 109.5 149.5
77 84.4 78.2 118.2

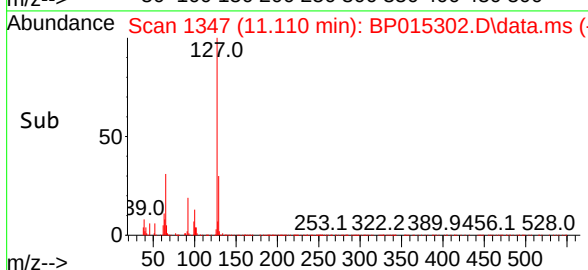
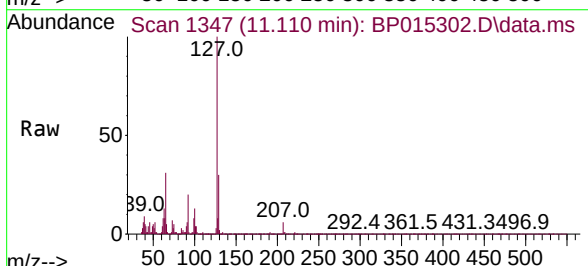
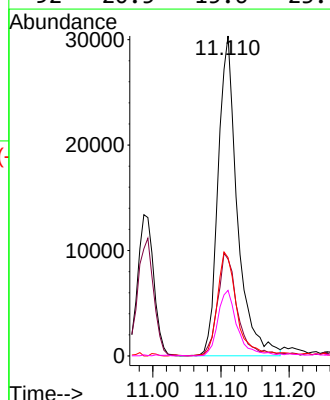
Manual Integrations
APPROVED

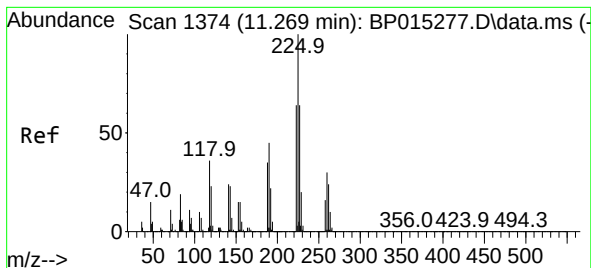
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#33
4-Chloroaniline
Concen: 3.427 ng
RT: 11.110 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

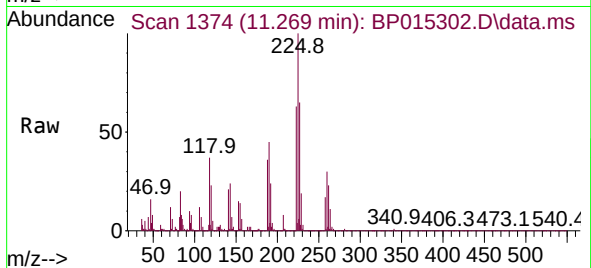
Tgt Ion:127 Resp: 59498
Ion Ratio Lower Upper
127 100
129 30.2 25.5 38.3
65 30.7 25.3 37.9
92 20.5 15.6 23.4





#34
Hexachlorobutadiene
Concen: 3.871 ng
RT: 11.269 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

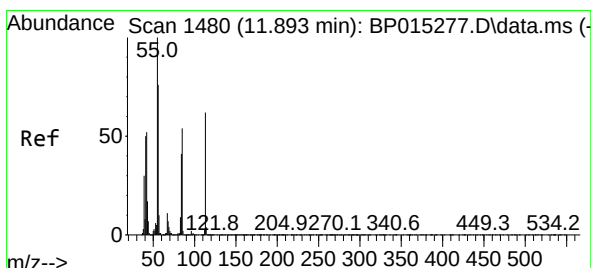
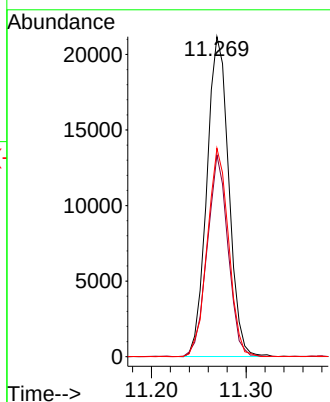
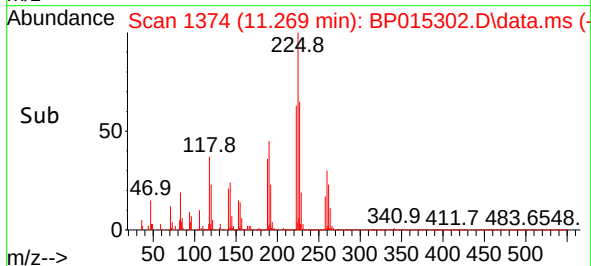
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:225 Resp: 3394
Ion Ratio Lower Upper
225 100
223 63.1 51.0 76.4
227 65.2 51.4 77.2

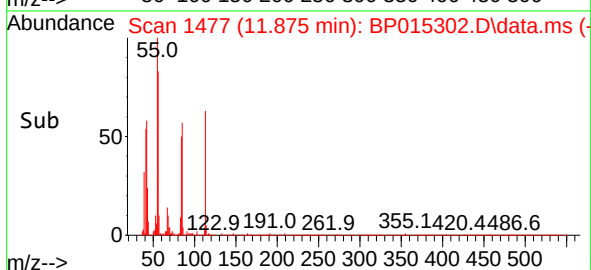
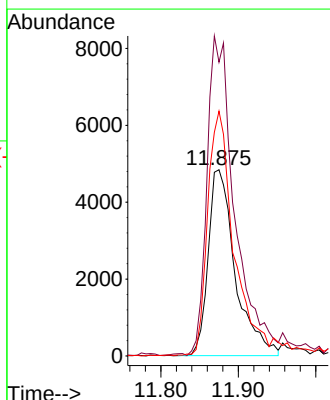
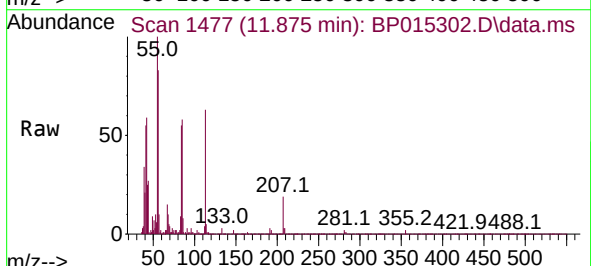
Manual Integrations
APPROVED

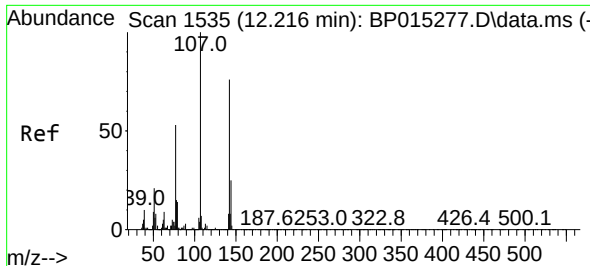
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#35
Caprolactam
Concen: 3.081 ng
RT: 11.875 min Scan# 1477
Delta R.T. -0.018 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:113 Resp: 11735
Ion Ratio Lower Upper
113 100
55 157.7 141.4 181.4
56 131.4 102.5 142.5





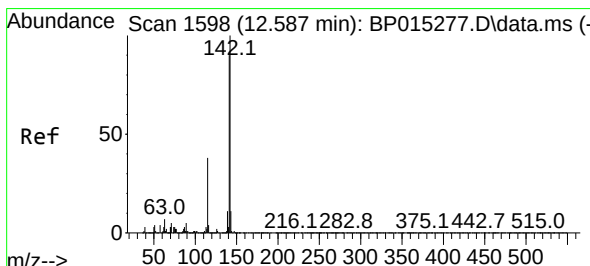
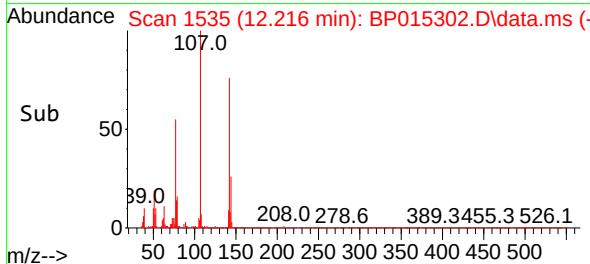
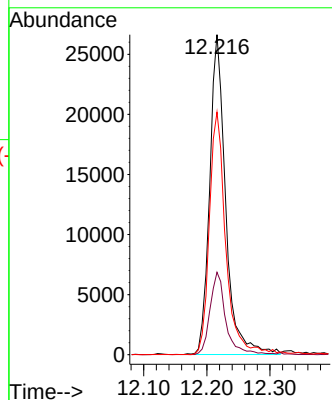
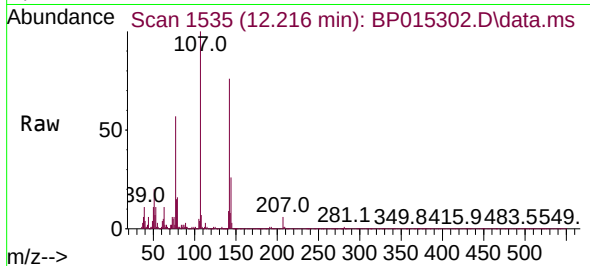
#36
4-Chloro-3-methylphenol
Concen: 3.487 ng
RT: 12.216 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:107 Resp: 47044
Ion Ratio Lower Upper
107 100
144 25.8 19.8 29.6
142 75.8 61.0 91.4

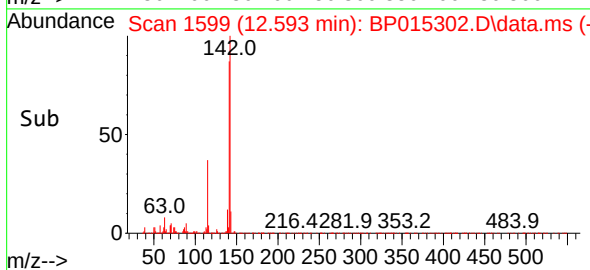
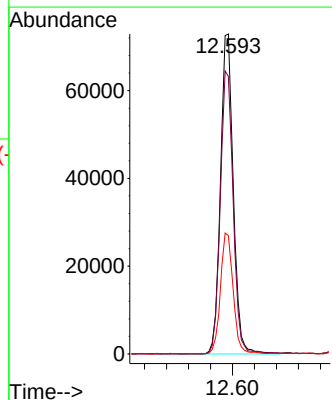
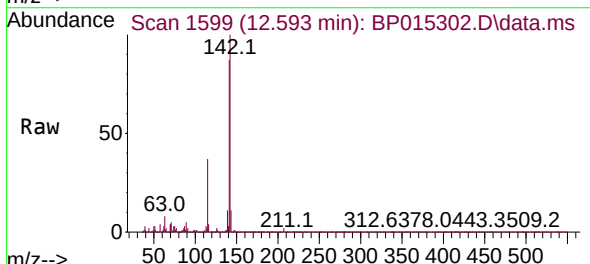
Manual Integrations
APPROVED

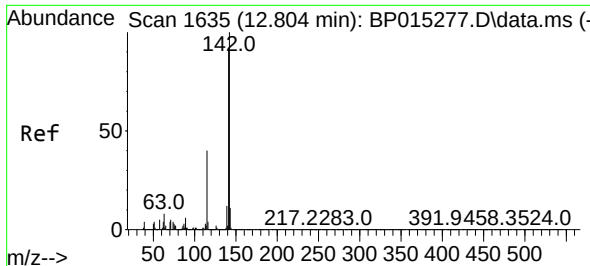
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#37
2-Methylnaphthalene
Concen: 3.956 ng
RT: 12.593 min Scan# 1599
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

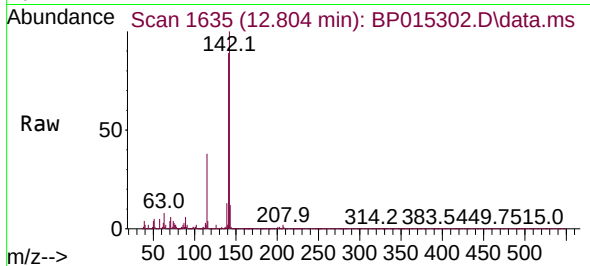
Tgt Ion:142 Resp: 118066
Ion Ratio Lower Upper
142 100
141 86.7 72.0 108.0
115 37.0 30.6 46.0





#38
1-Methylnaphthalene
Concen: 3.936 ng
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

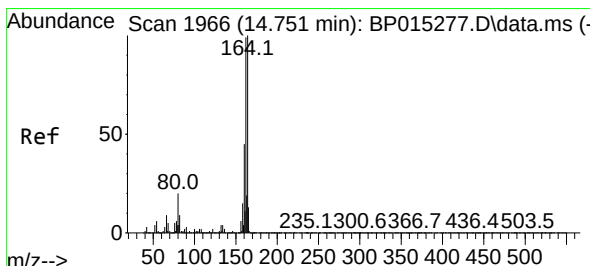
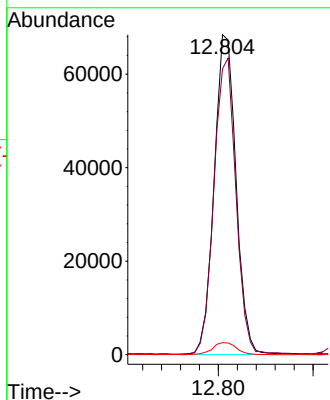
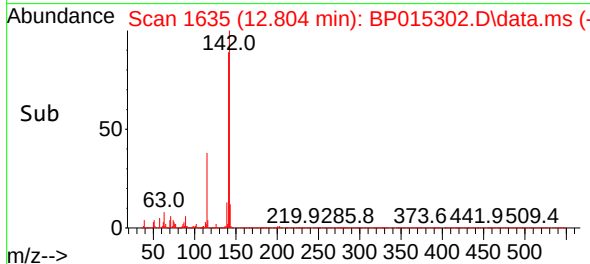
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:142 Resp: 109598
Ion Ratio Lower Upper
142 100
141 89.4 73.8 110.6
116 3.8 3.4 5.0

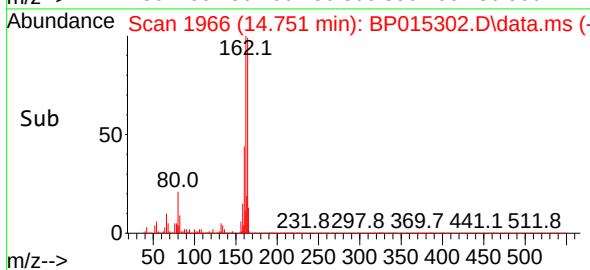
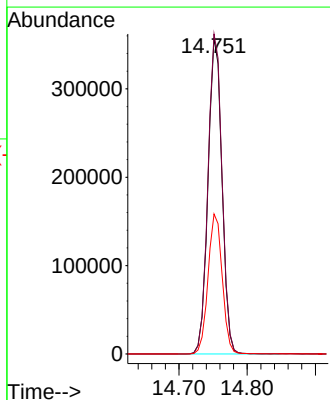
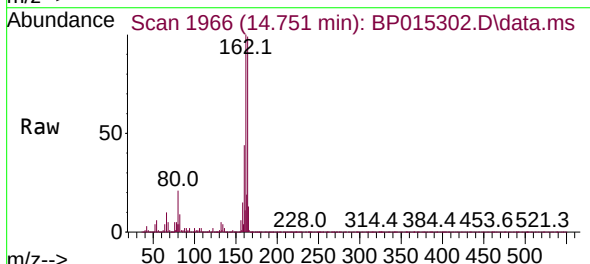
Manual Integrations
APPROVED

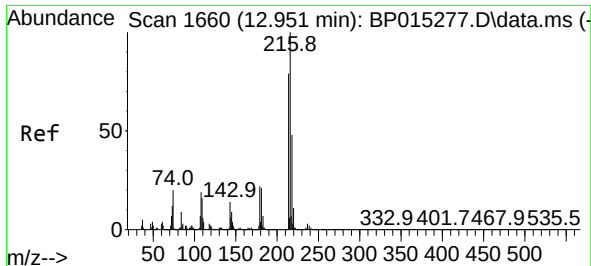
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.751 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:164 Resp: 507726
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.2
160 44.3 35.6 53.4





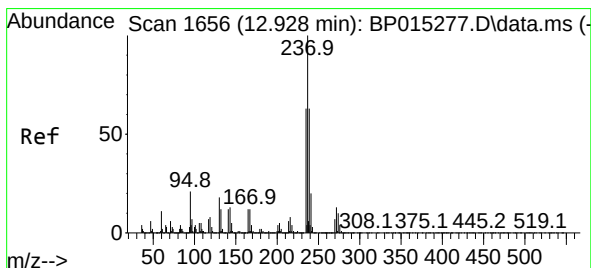
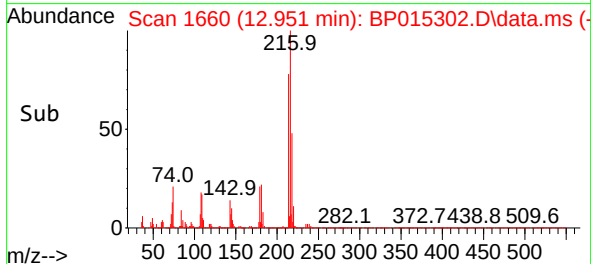
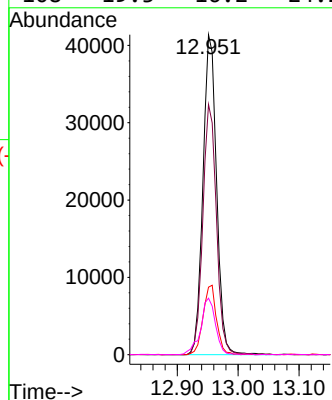
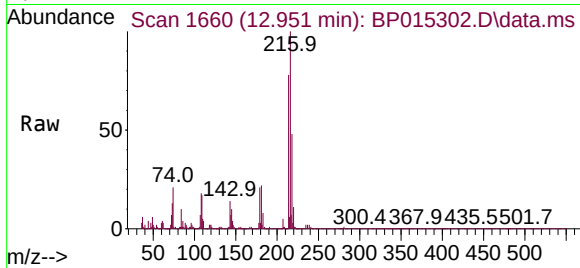
#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.868 ng
RT: 12.951 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:	216	Resp:	6444
Ion Ratio	Lower	Upper	
216	100		
214	78.1	63.0	94.4
179	21.5	17.3	25.9
108	19.3	16.2	24.2

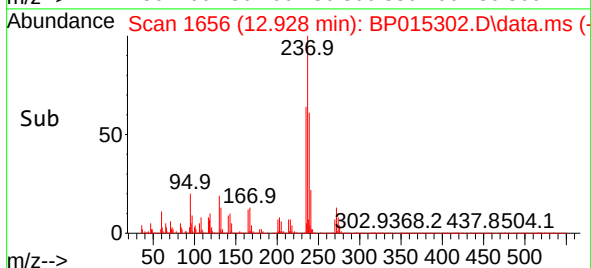
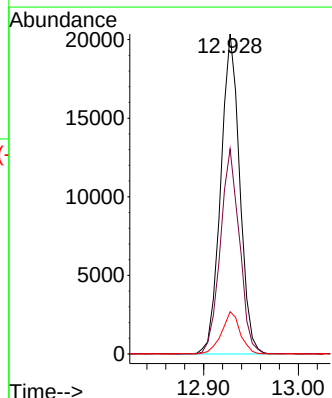
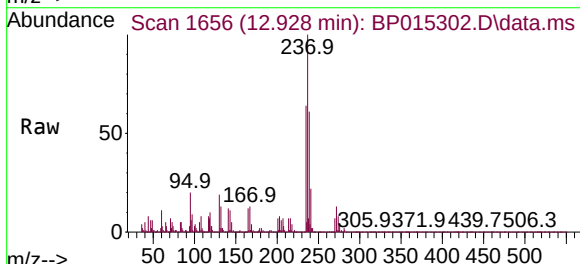
Manual Integrations
APPROVED

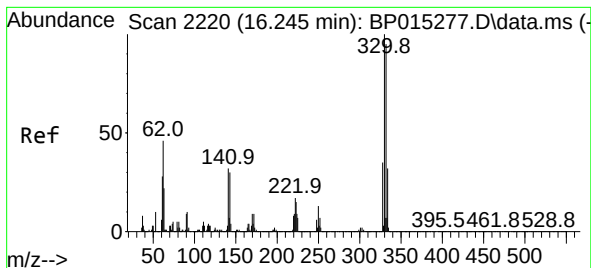
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#41
Hexachlorocyclopentadiene
Concen: 3.211 ng
RT: 12.928 min Scan# 1656
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

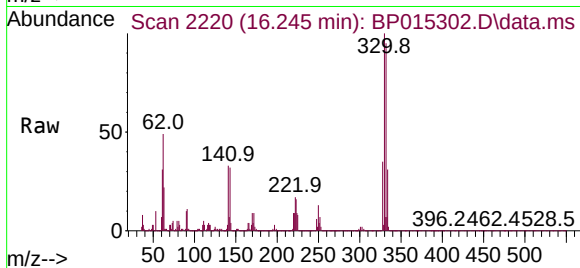
Tgt Ion:	237	Resp:	28338
Ion Ratio	Lower	Upper	
237	100		
235	64.1	43.2	83.2
272	13.2	0.0	32.7





#42
2,4,6-Tribromophenol
Concen: 109.026 ng
RT: 16.245 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

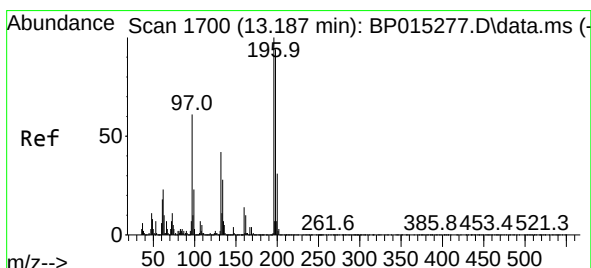
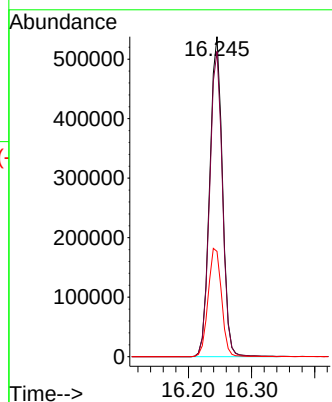
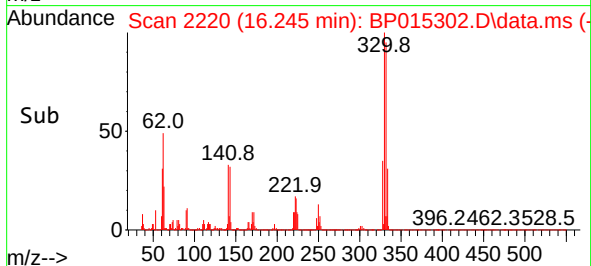
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:330 Resp: 75224
Ion Ratio Lower Upper
330 100
332 95.9 76.3 114.5
141 35.7 27.8 41.8

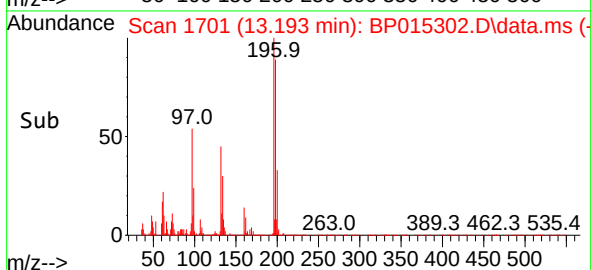
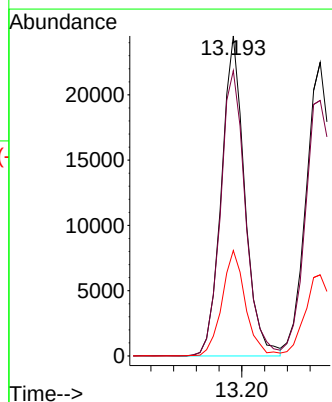
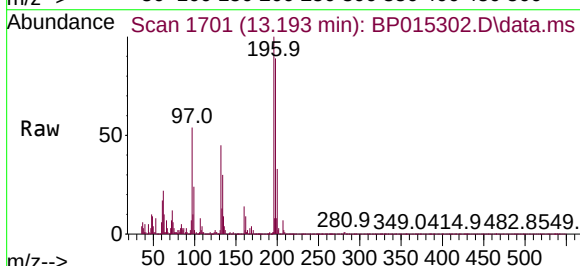
Manual Integrations
APPROVED

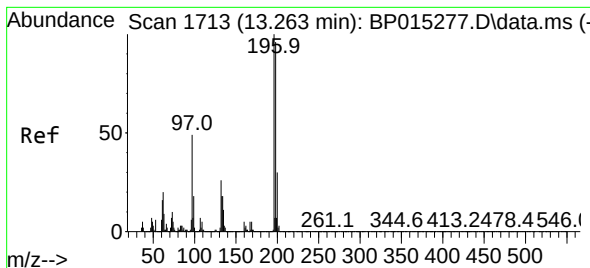
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#43
2,4,6-Trichlorophenol
Concen: 3.232 ng
RT: 13.193 min Scan# 1701
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:196 Resp: 34946
Ion Ratio Lower Upper
196 100
198 89.1 75.0 112.4
200 33.0 24.4 36.6





#44

2,4,5-Trichlorophenol

Concen: 2.984 ng

RT: 13.269 min Scan# 1713

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:196 Resp: 37938

Ion Ratio Lower Upper

196 100

198 87.0 76.8 115.2

97 51.6 39.3 58.9

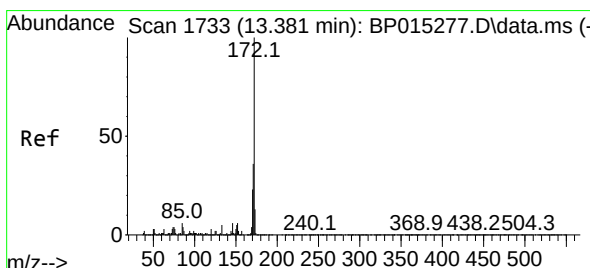
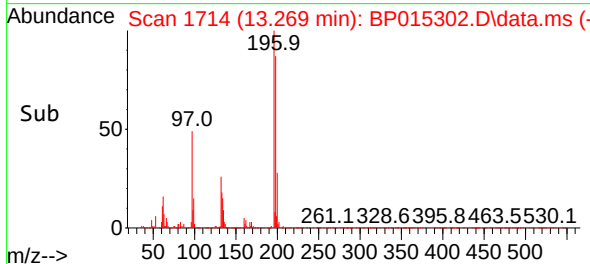
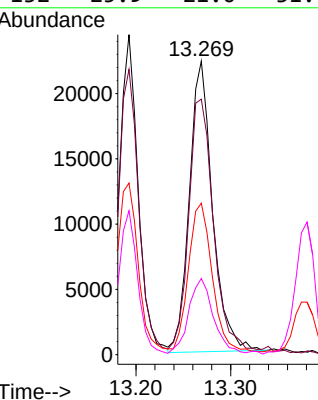
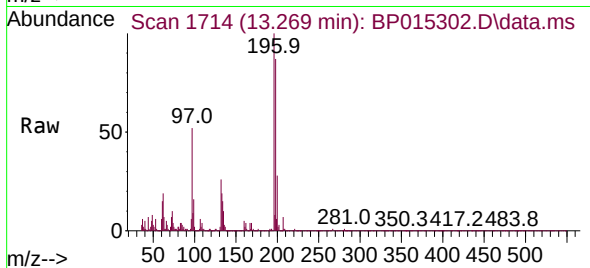
132 25.9 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#45

2-Fluorobiphenyl

Concen: 76.318 ng

RT: 13.381 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

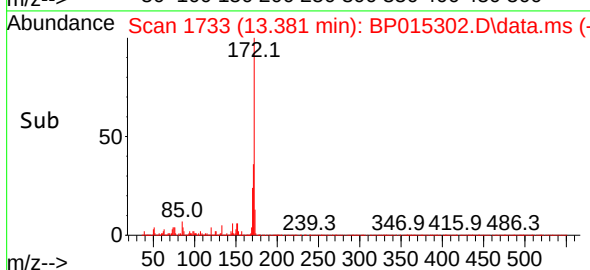
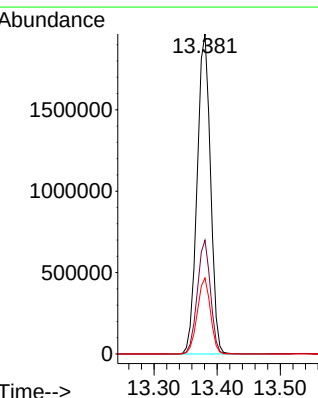
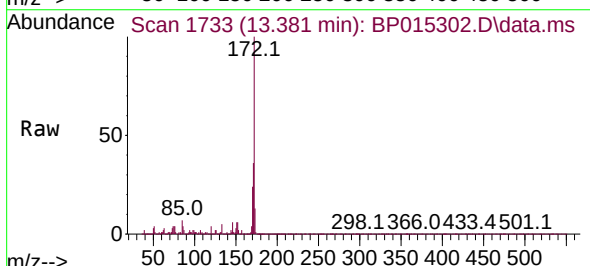
Tgt Ion:172 Resp: 2886203

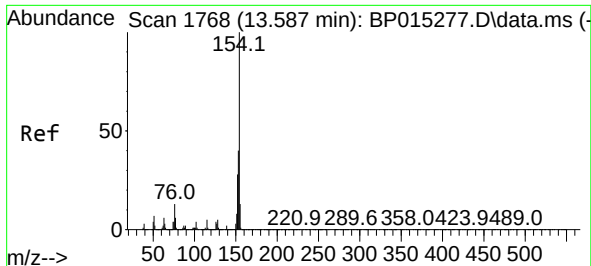
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

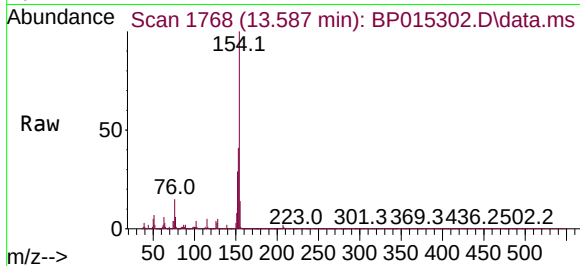
170 23.7 18.7 28.1





#46
1,1'-Biphenyl
Concen: 4.103 ng
RT: 13.587 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

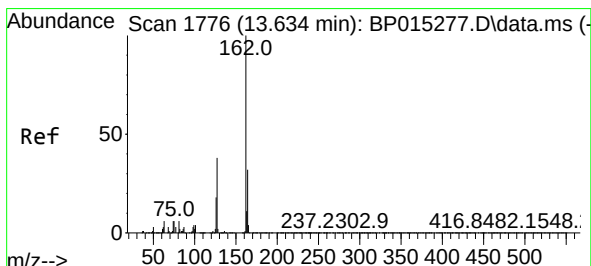
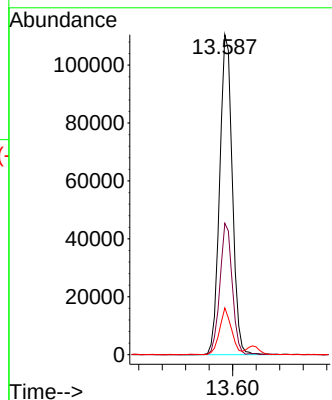
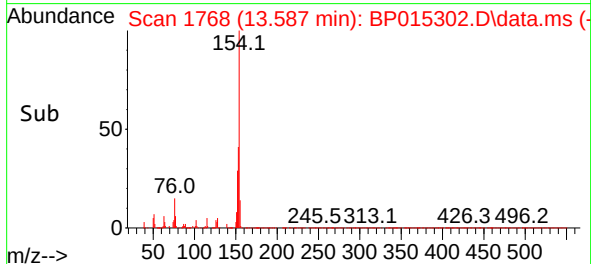
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



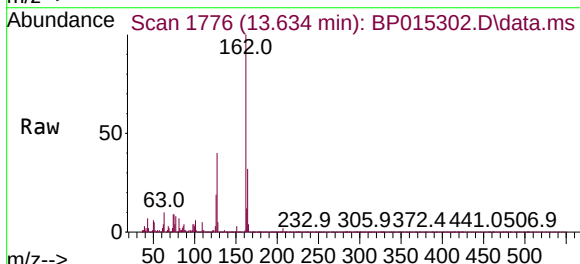
Tgt Ion:154 Resp: 165072
Ion Ratio Lower Upper
154 100
153 41.1 20.3 60.3
76 14.6 0.0 33.1

Manual Integrations
APPROVED

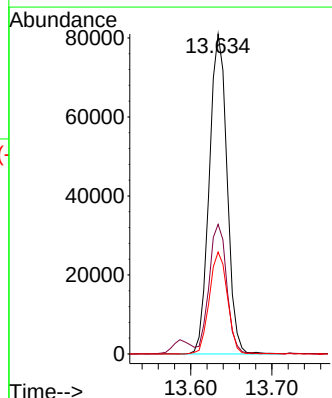
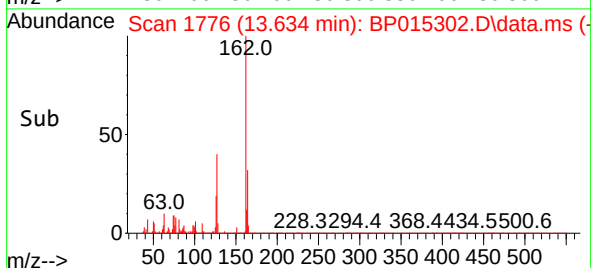
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

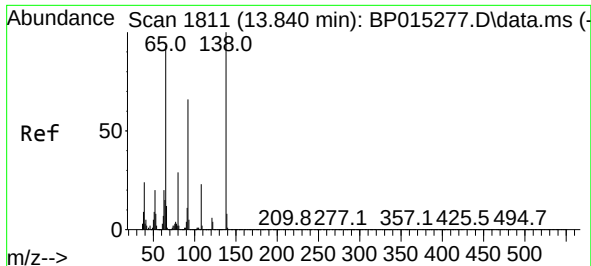


#47
2-Chloronaphthalene
Concen: 4.054 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



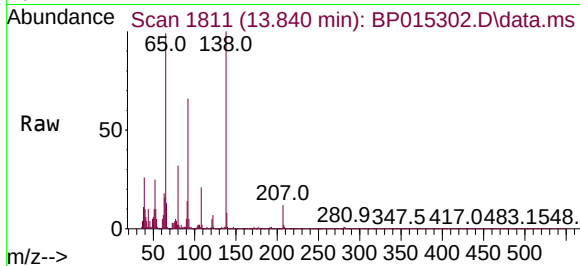
Tgt Ion:162 Resp: 123038
Ion Ratio Lower Upper
162 100
127 40.5 31.7 47.5
164 31.9 25.8 38.8





#48
2-Nitroaniline
Concen: 3.021 ng
RT: 13.840 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

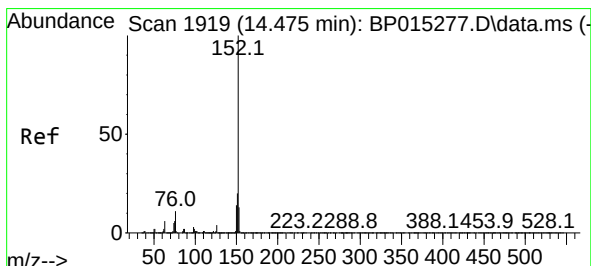
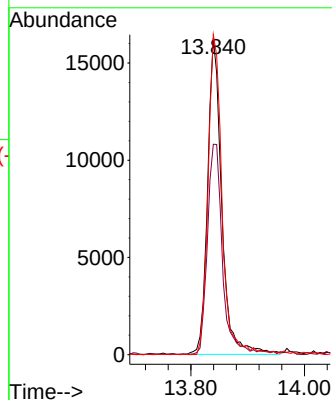
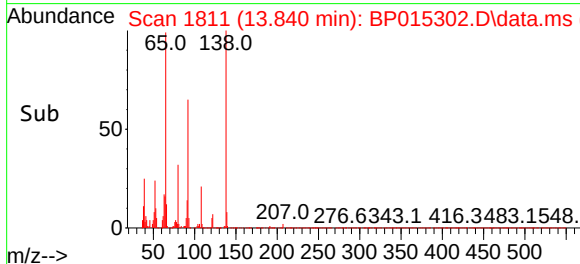
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 65 Resp: 28008
Ion Ratio Lower Upper
65 100
92 66.5 56.5 84.7
138 101.1 85.7 128.5

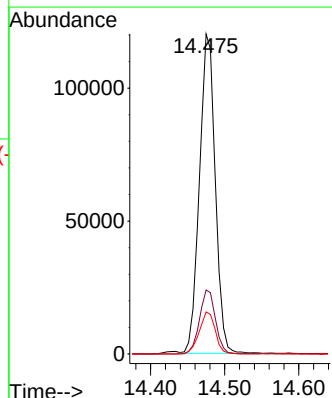
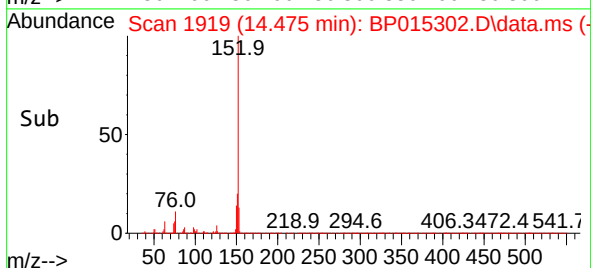
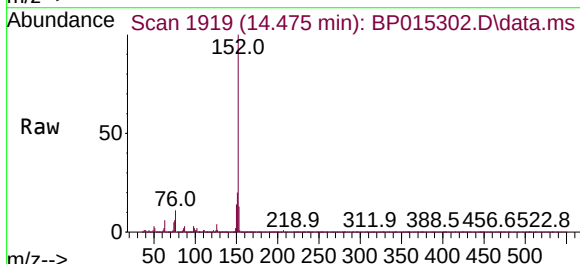
Manual Integrations
APPROVED

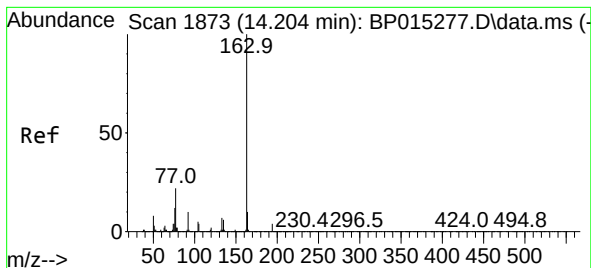
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#49
Acenaphthylene
Concen: 3.674 ng
RT: 14.475 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:152 Resp: 178404
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.2 10.6 16.0





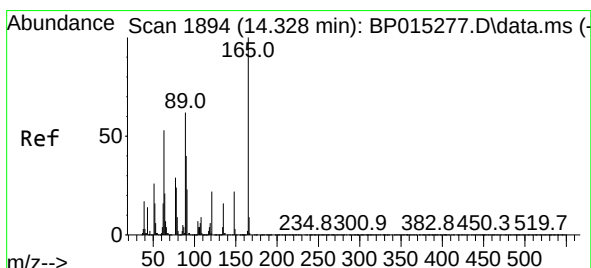
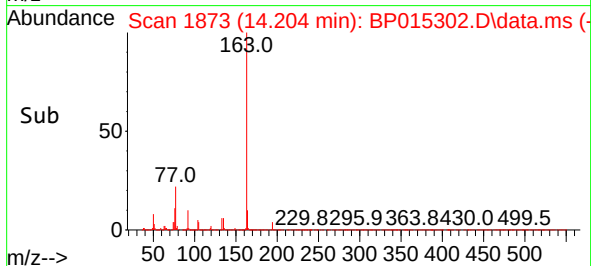
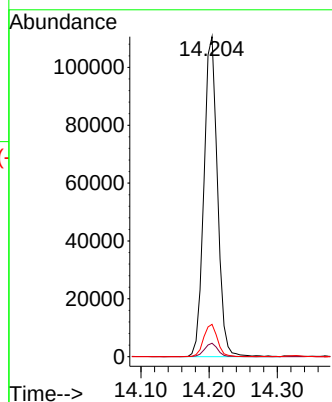
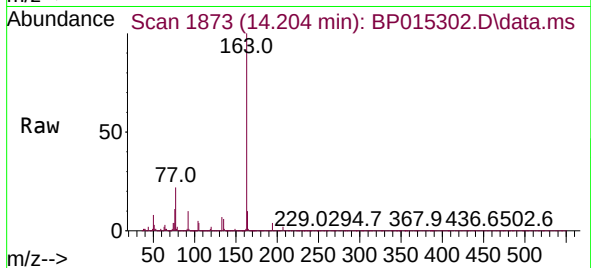
#50
Dimethylphthalate
Concen: 3.847 ng
RT: 14.204 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:163 Resp: 15282
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.1 8.2 12.4

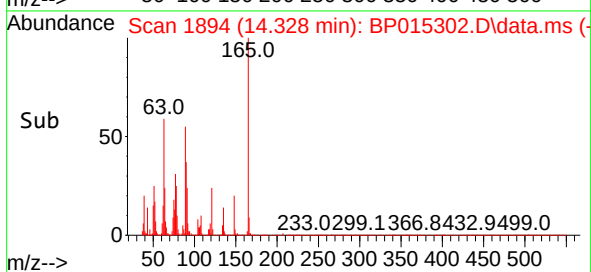
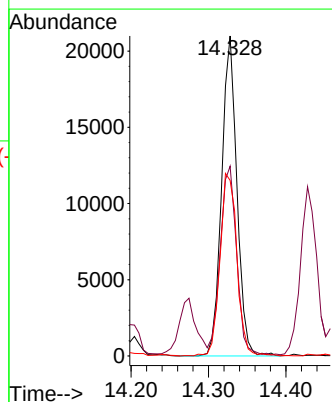
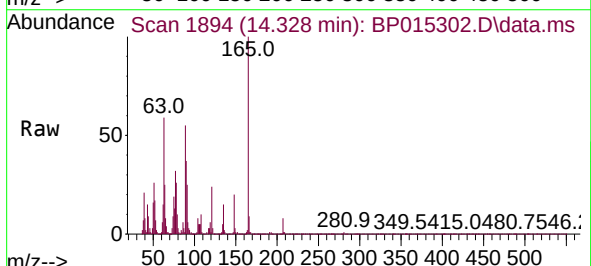
Manual Integrations
APPROVED

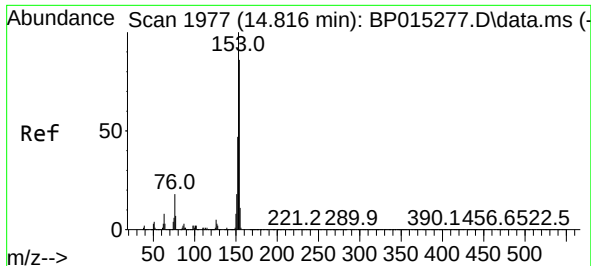
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#51
2,6-Dinitrotoluene
Concen: 3.437 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

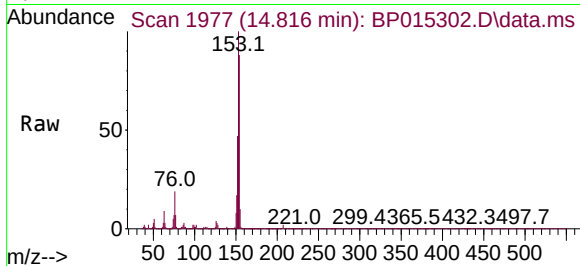
Tgt Ion:165 Resp: 28827
Ion Ratio Lower Upper
165 100
63 59.3 46.6 70.0
89 54.8 49.7 74.5





#52
Acenaphthene
Concen: 3.990 ng
RT: 14.816 min Scan# 1977
Delta R.T. -0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

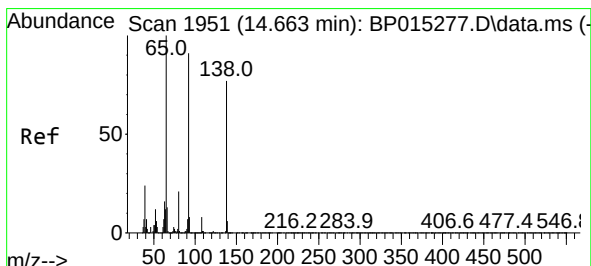
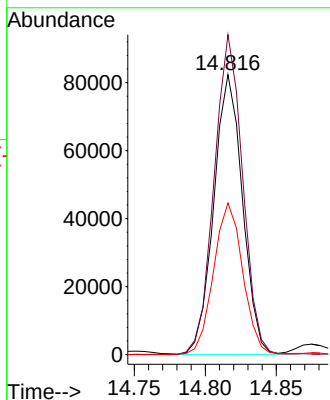
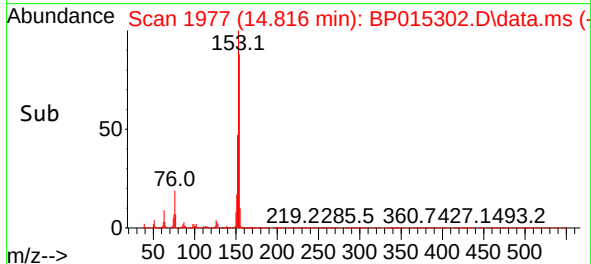
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2023



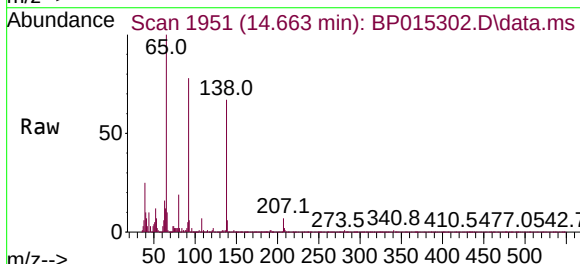
Tgt Ion:154 Resp: 115402
Ion Ratio Lower Upper
154 100
153 114.3 92.8 139.2
152 54.2 44.0 66.0

Manual Integrations
APPROVED

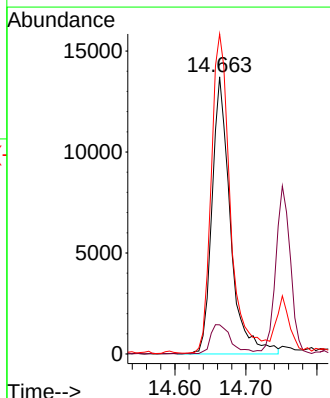
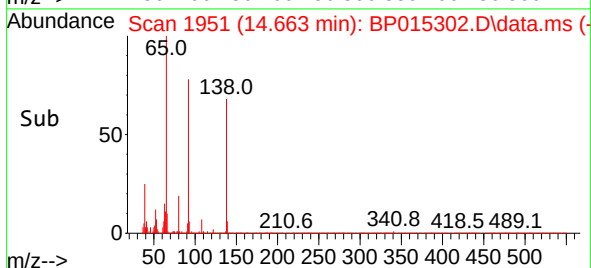
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

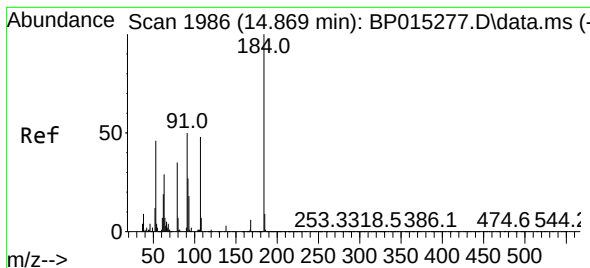


#53
3-Nitroaniline
Concen: 2.873 ng
RT: 14.663 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



Tgt Ion:138 Resp: 24625
Ion Ratio Lower Upper
138 100
108 10.5 8.6 13.0
92 115.5 94.0 141.0





#54

2,4-Dinitrophenol

Concen: 6.748 ng

RT: 14.875 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

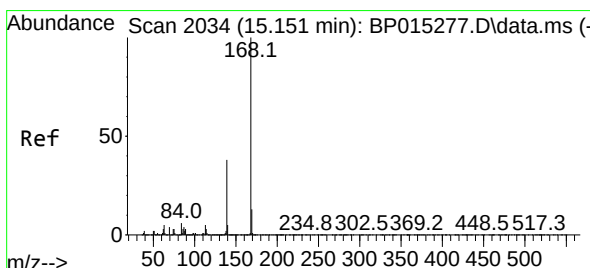
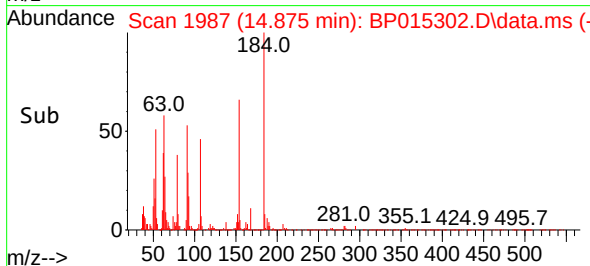
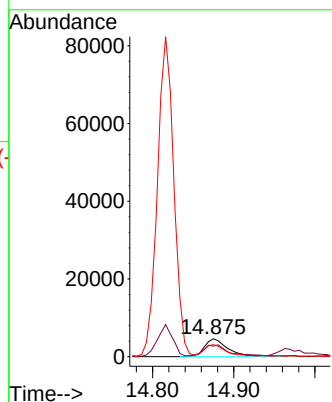
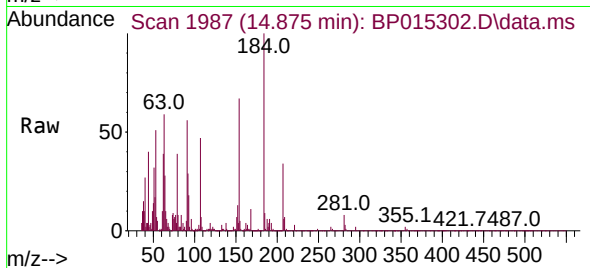
Tgt Ion:184	Resp:	9420
Ion Ratio	Lower	Upper
184	100	
63	59.0	56.2 84.4
154	66.8	53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#55

Dibenzofuran

Concen: 3.971 ng

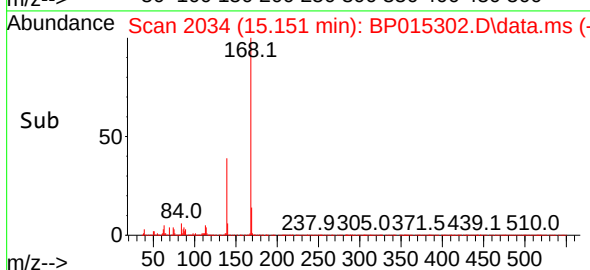
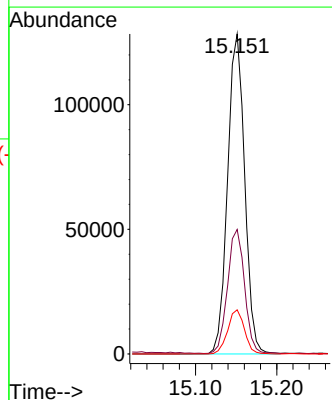
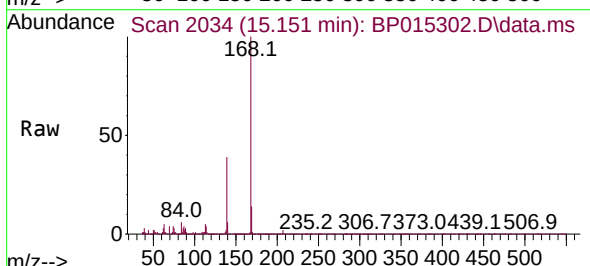
RT: 15.151 min Scan# 2034

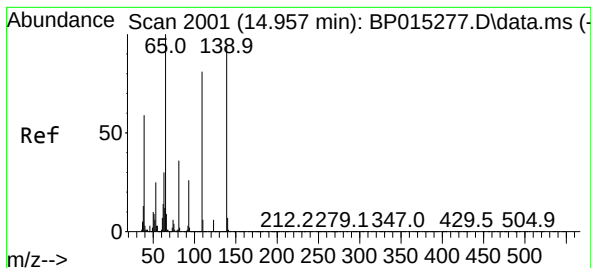
Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:168	Resp:	187850
Ion Ratio	Lower	Upper
168	100	
139	38.9	30.1 45.1
169	13.8	10.6 15.8





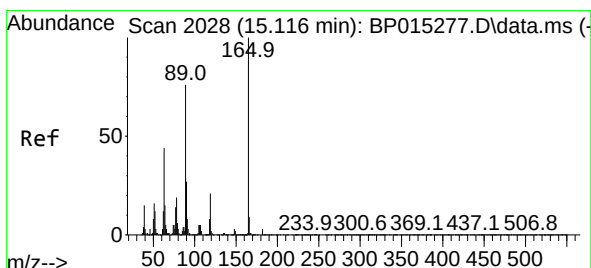
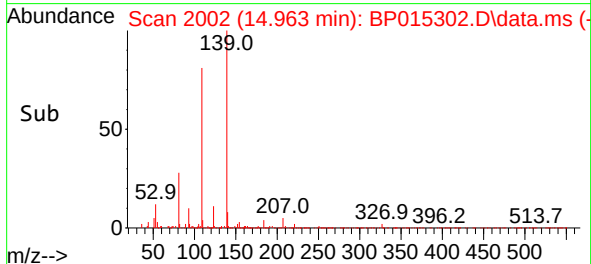
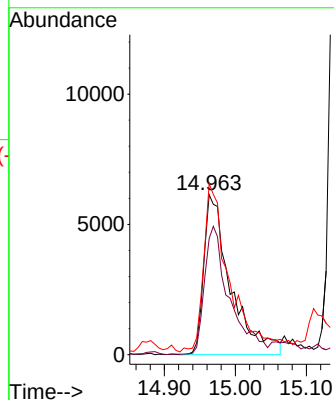
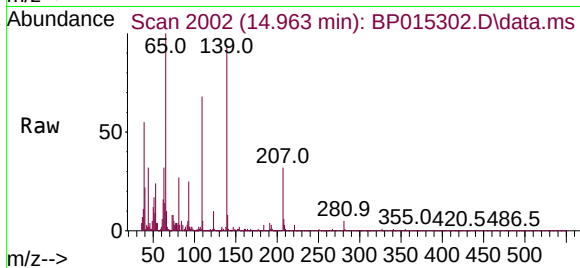
#56
4-Nitrophenol
Concen: 5.482 ng
RT: 14.963 min Scan# 2001
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:139 Resp: 16150
Ion Ratio Lower Upper
139 100
109 72.7 66.5 106.5
65 106.9 86.6 126.6

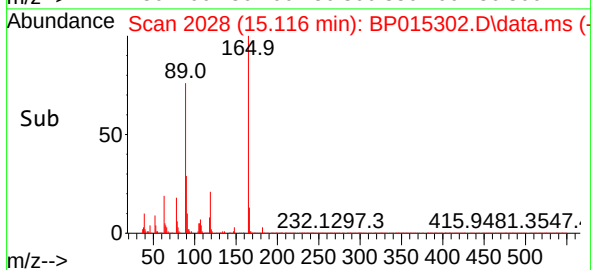
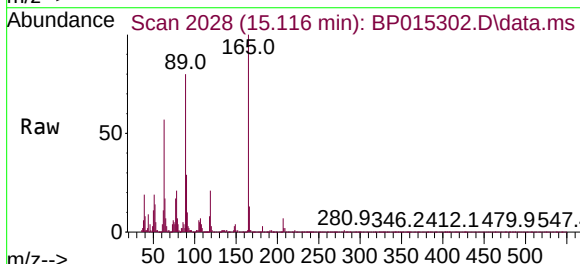
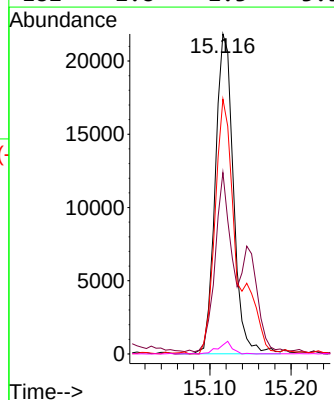
Manual Integrations
APPROVED

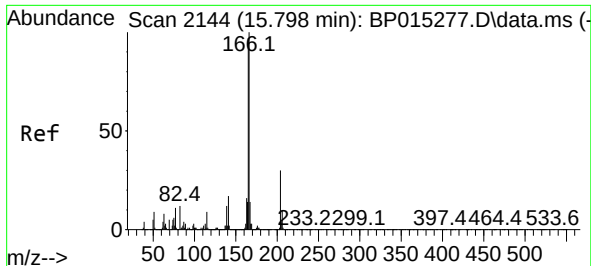
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#57
2,4-Dinitrotoluene
Concen: 3.076 ng
RT: 15.116 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

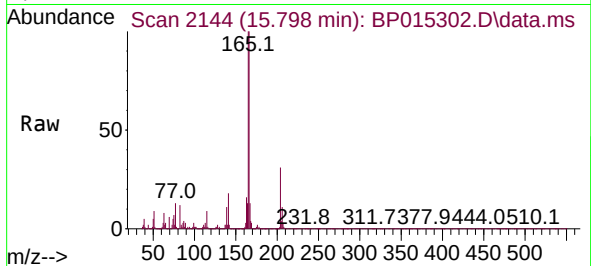
Tgt Ion:165 Resp: 33919
Ion Ratio Lower Upper
165 100
63 56.7 35.7 53.5#
89 79.6 60.8 91.2
182 2.8 2.3 3.5





#58
Fluorene
Concen: 4.038 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

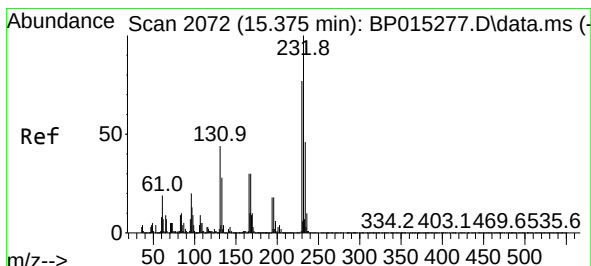
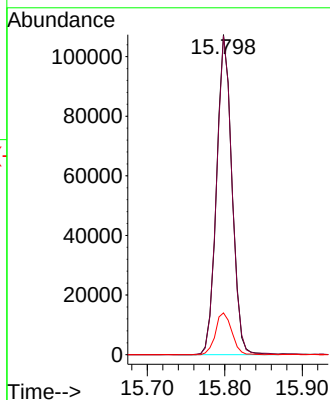
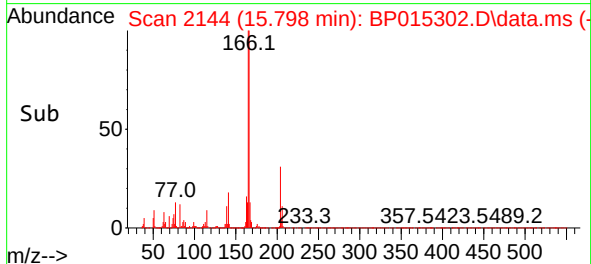
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



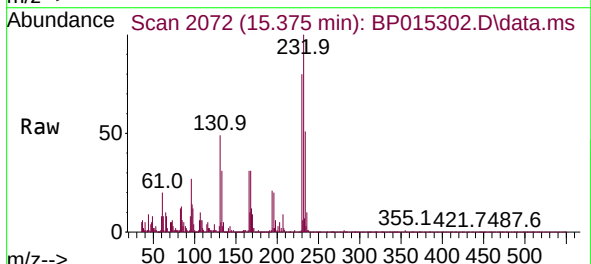
Tgt Ion:166 Resp: 14755
Ion Ratio Lower Upper
166 100
165 99.7 77.5 116.3
167 13.1 10.9 16.3

Manual Integrations
APPROVED

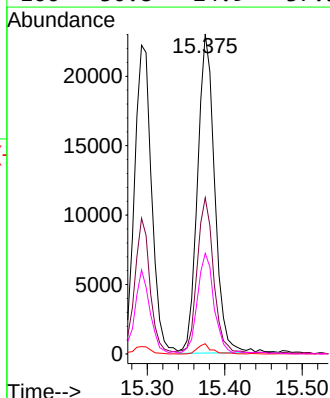
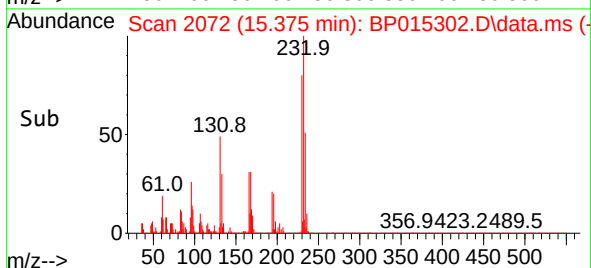
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

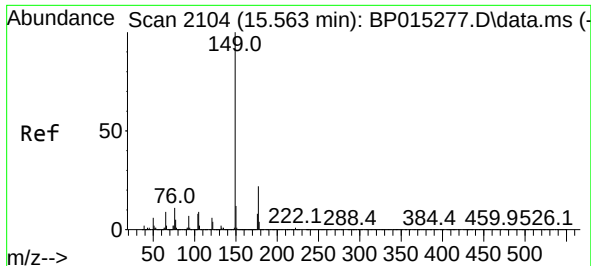


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.483 ng
RT: 15.375 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



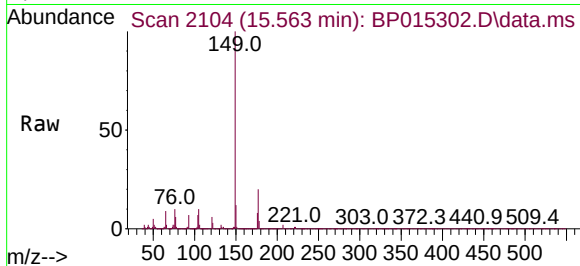
Tgt Ion:232 Resp: 35413
Ion Ratio Lower Upper
232 100
131 47.2 36.2 54.2
130 2.6 2.0 3.0
166 30.8 24.9 37.3





#60
Diethylphthalate
Concen: 3.777 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

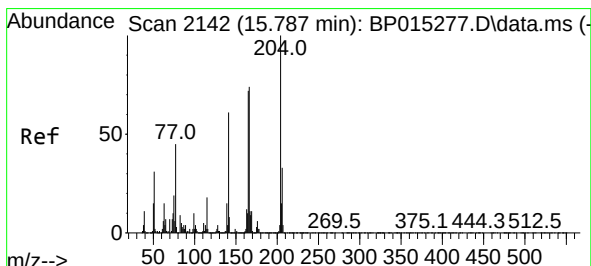
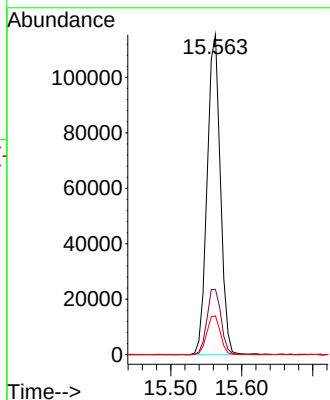
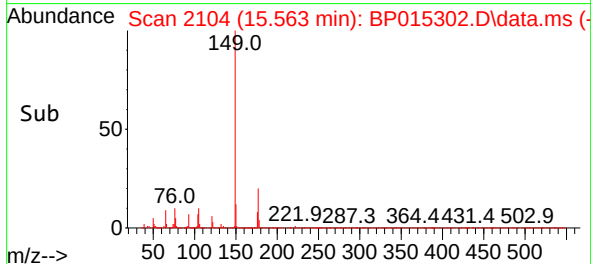
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



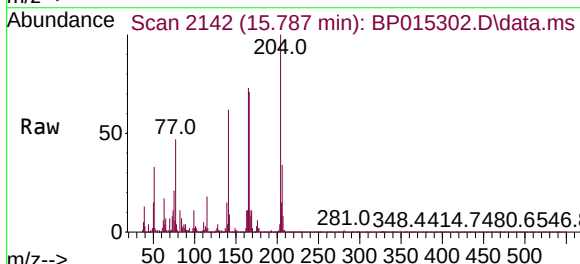
Tgt Ion:149 Resp: 14945
Ion Ratio Lower Upper
149 100
177 20.4 17.7 26.5
150 12.1 10.0 15.0

Manual Integrations
APPROVED

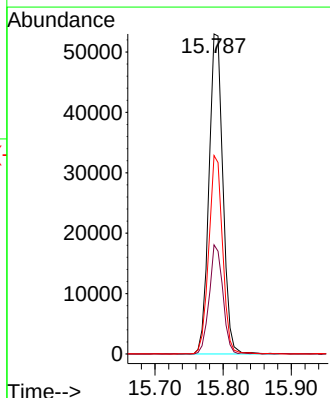
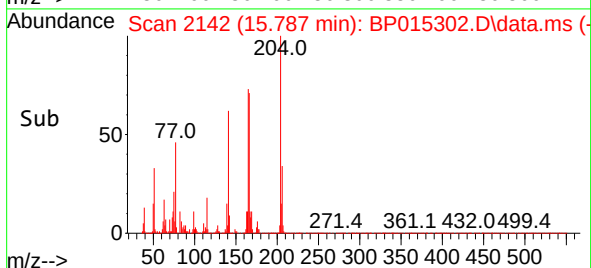
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

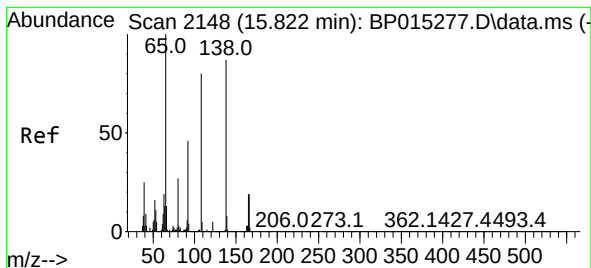


#61
4-Chlorophenyl-phenylether
Concen: 4.031 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



Tgt Ion:204 Resp: 75418
Ion Ratio Lower Upper
204 100
206 34.1 26.4 39.6
141 62.0 49.0 73.4





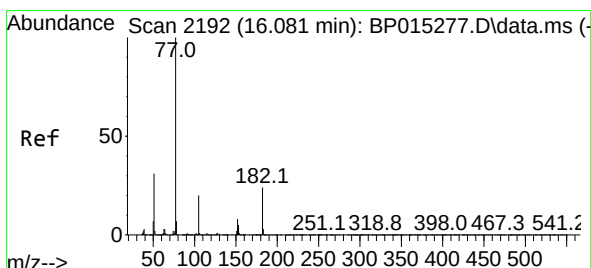
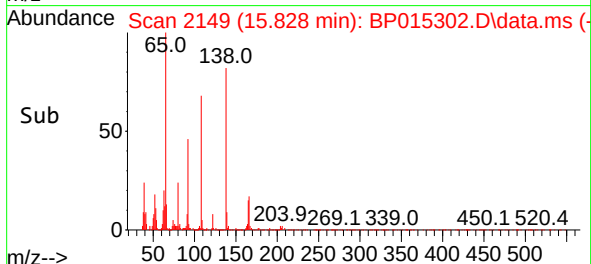
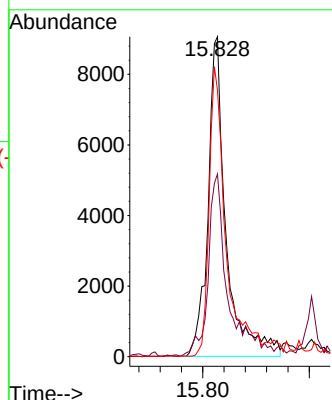
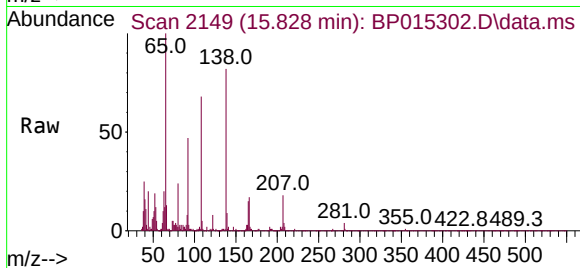
#62
4-Nitroaniline
Concen: 4.527 ng
RT: 15.828 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:138 Resp: 2151
Ion Ratio Lower Upper
138 100
92 57.1 33.1 73.1
108 83.2 71.0 111.0

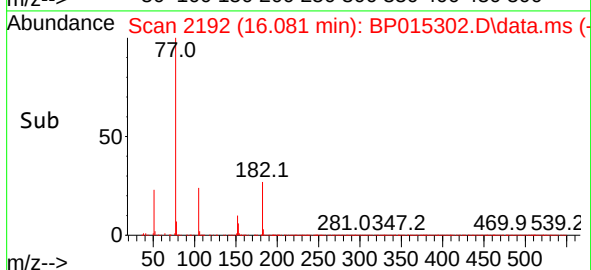
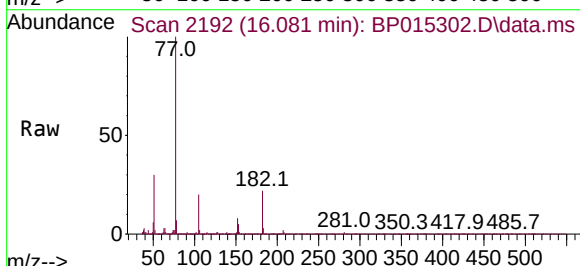
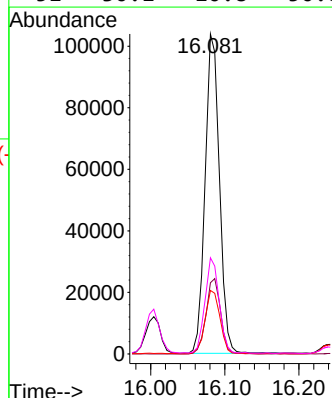
Manual Integrations
APPROVED

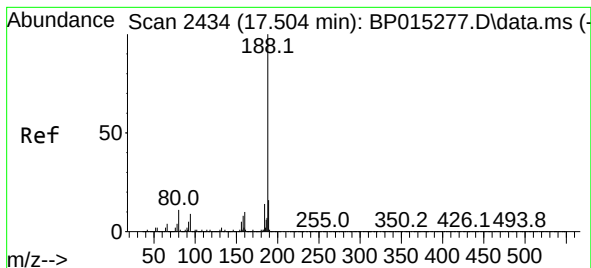
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#63
Azobenzene
Concen: 3.695 ng
RT: 16.081 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion: 77 Resp: 139477
Ion Ratio Lower Upper
77 100
182 22.3 3.9 43.9
105 19.9 0.3 40.3
51 30.1 10.8 50.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.510 min Scan# 2435

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:188 Resp: 107064

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.0

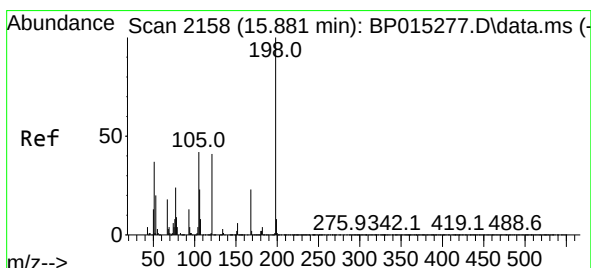
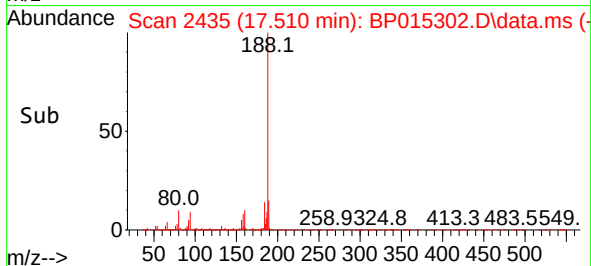
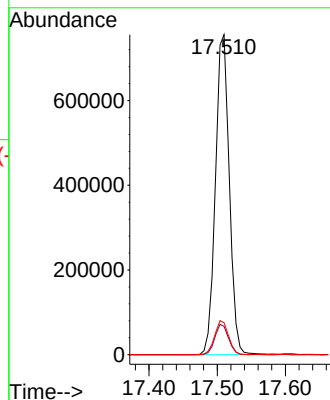
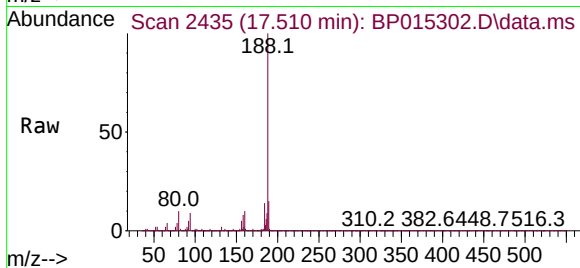
80 10.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#65

4,6-Dinitro-2-methylphenol

Concen: 2.486 ng

RT: 15.881 min Scan# 2158

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

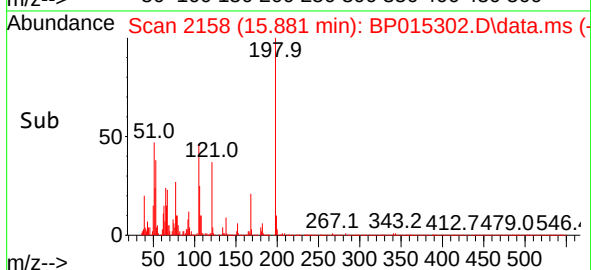
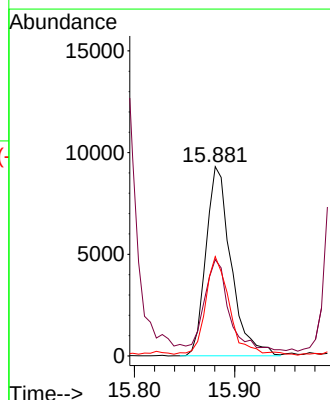
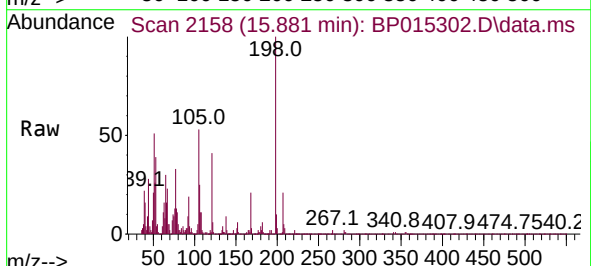
Tgt Ion:198 Resp: 16166

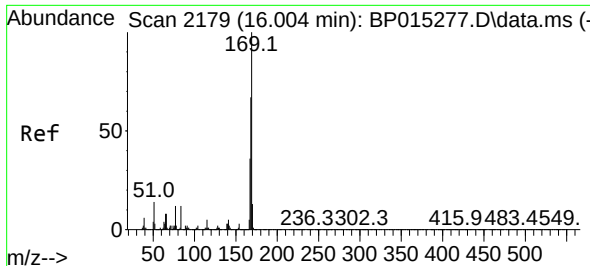
Ion Ratio Lower Upper

198 100

51 50.9 25.4 65.4

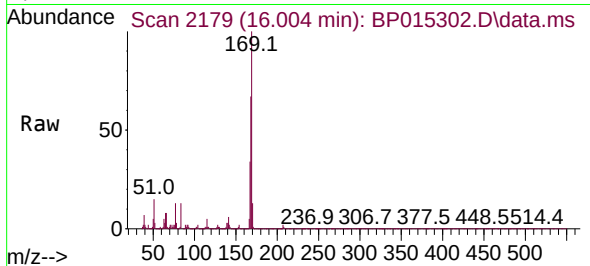
105 52.5 23.3 63.3





#66
n-Nitrosodiphenylamine
Concen: 3.881 ng
RT: 16.004 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

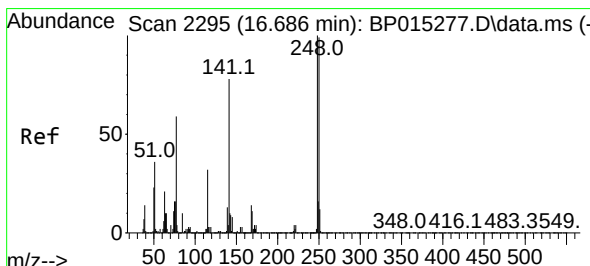
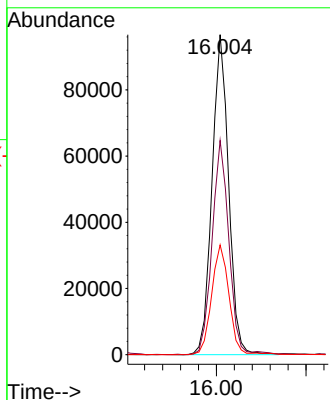
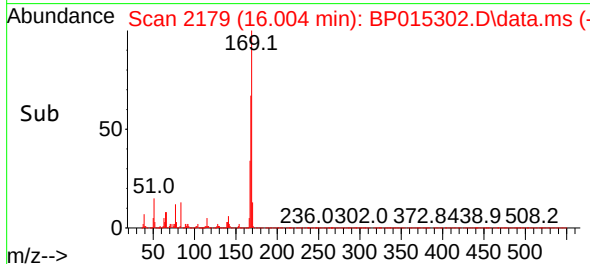
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



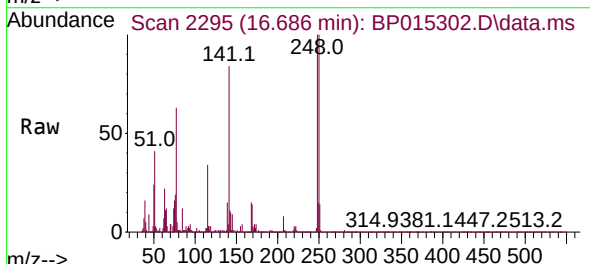
Tgt Ion:169 Resp: 12382
Ion Ratio Lower Upper
169 100
168 66.9 53.4 80.2
167 34.3 29.0 43.6

Manual Integrations
APPROVED

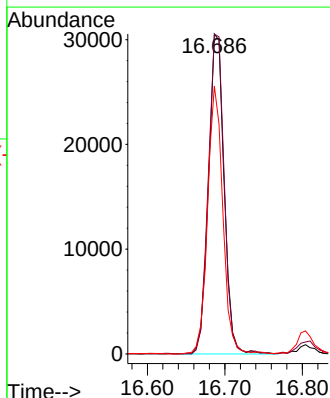
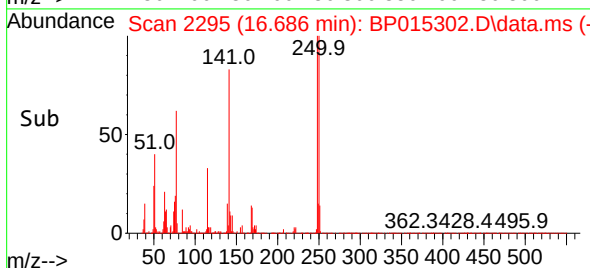
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

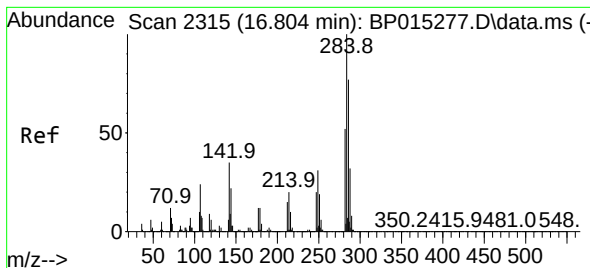


#67
4-Bromophenyl-phenylether
Concen: 3.702 ng
RT: 16.686 min Scan# 2295
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



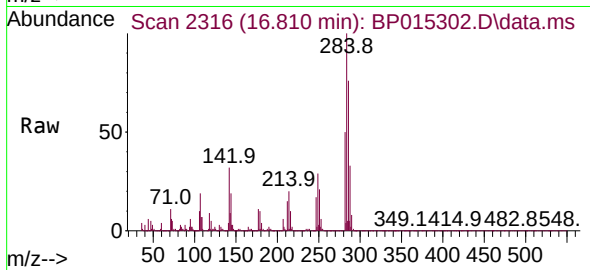
Tgt Ion:248 Resp: 42857
Ion Ratio Lower Upper
248 100
250 100.0 79.0 118.4
141 83.7 62.4 93.6





#68
Hexachlorobenzene
Concen: 4.142 ng
RT: 16.810 min Scan# 2316
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

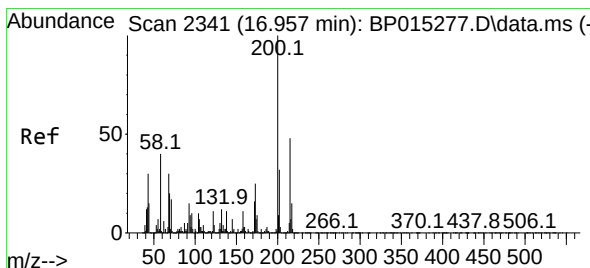
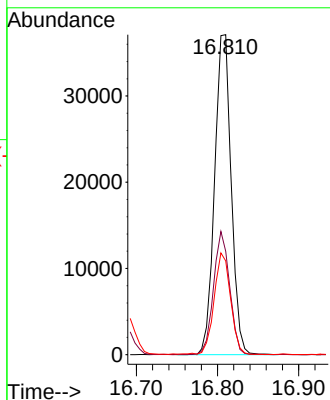
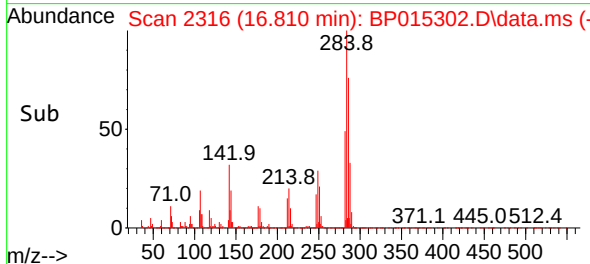
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:284 Resp: 5280
Ion Ratio Lower Upper
284 100
142 32.3 28.2 42.2
249 29.3 25.0 37.6

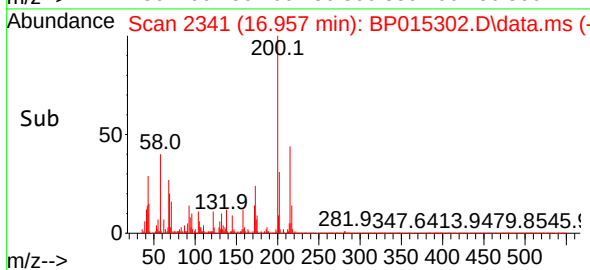
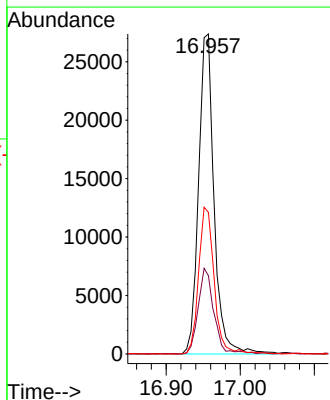
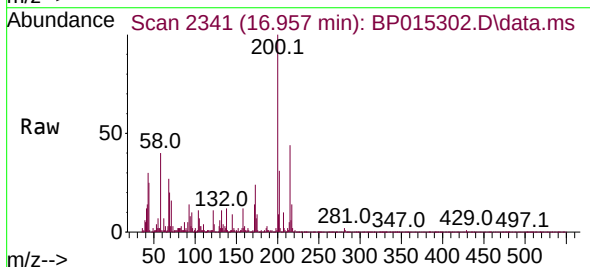
Manual Integrations
APPROVED

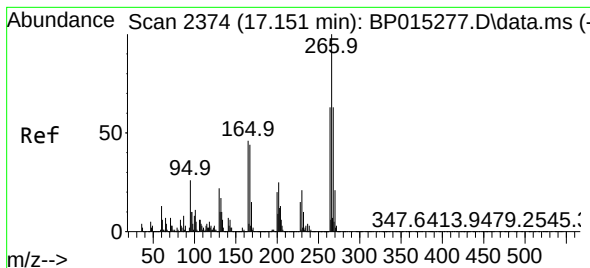
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#69
Atrazine
Concen: 3.901 ng
RT: 16.957 min Scan# 2341
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:200 Resp: 39739
Ion Ratio Lower Upper
200 100
173 24.5 4.7 44.7
215 44.3 27.5 67.5





#70

Pentachlorophenol

Concen: 2.578 ng

RT: 17.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

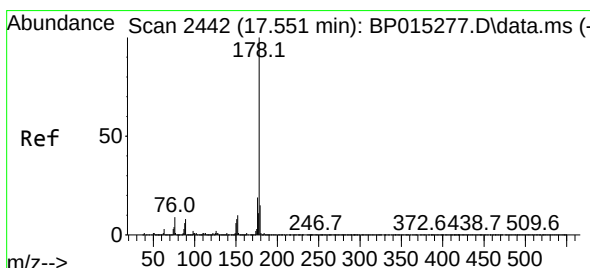
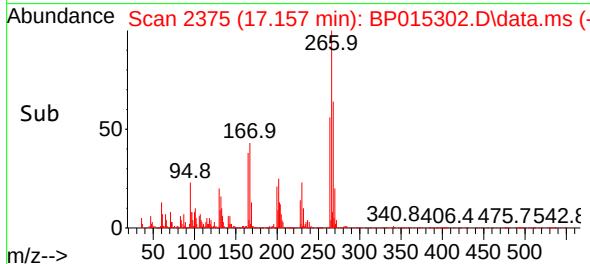
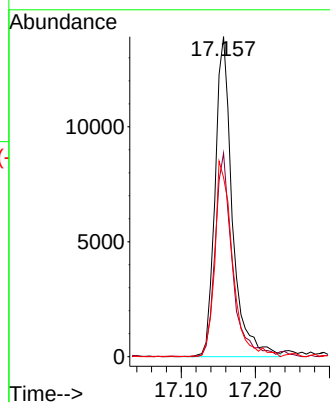
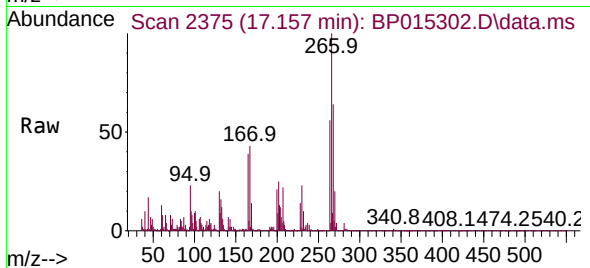
MDL-SOIL-03-QT2-2023

Tgt Ion:	266	Resp:	22520
Ion Ratio	Lower	Upper	
266	100		
268	63.6	50.0	75.0
264	56.0	50.4	75.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#71

Phenanthrene

Concen: 4.050 ng

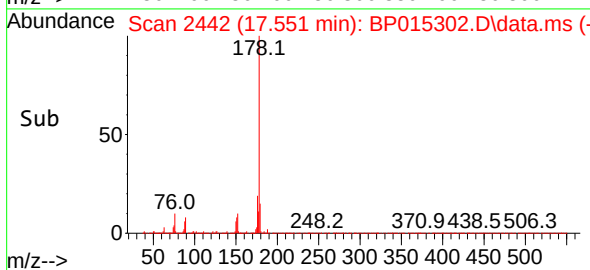
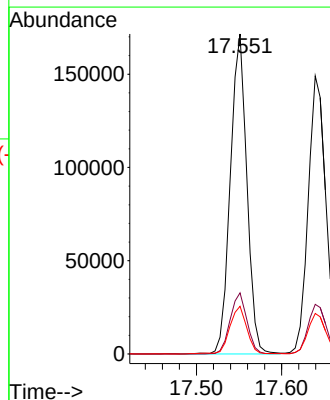
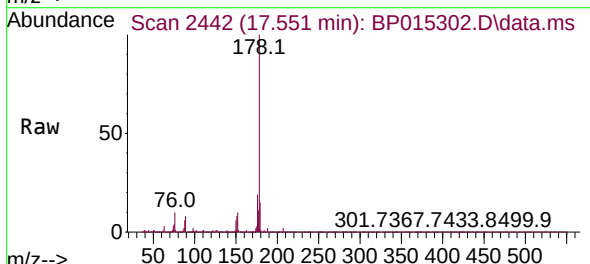
RT: 17.551 min Scan# 2442

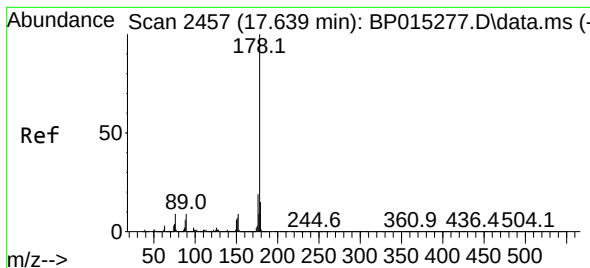
Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:	178	Resp:	231117
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	14.9	12.3	18.5





#72

Anthracene

Concen: 3.881 ng

RT: 17.639 min Scan# 2457

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNP_P

ClientSampleId :

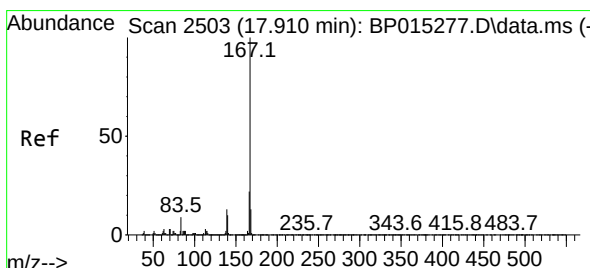
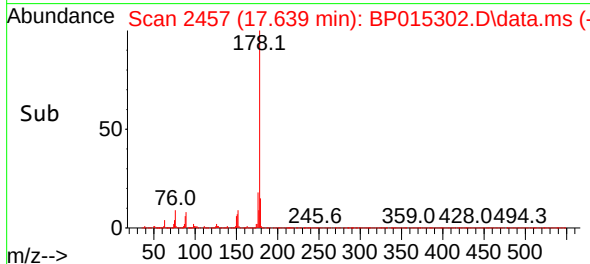
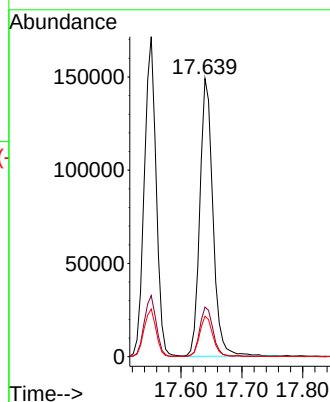
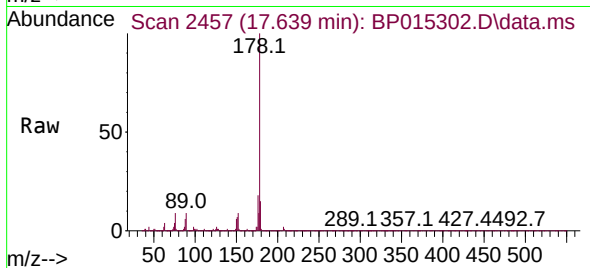
MDL-SOIL-03-QT2-2023

Tgt Ion:178	Resp: 22181
Ion Ratio	Lower Upper
178 100	
176 17.8	15.1 22.7
179 14.6	12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#73

Carbazole

Concen: 3.554 ng

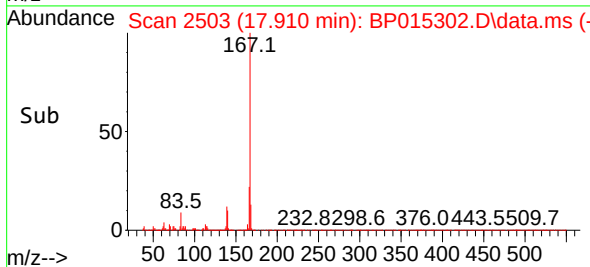
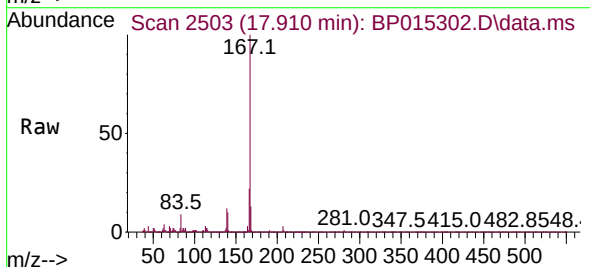
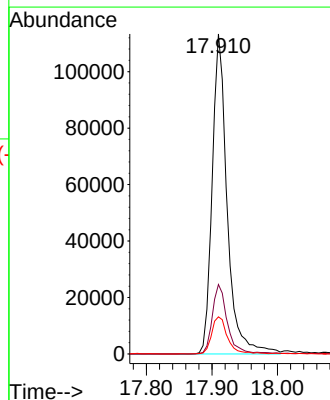
RT: 17.910 min Scan# 2503

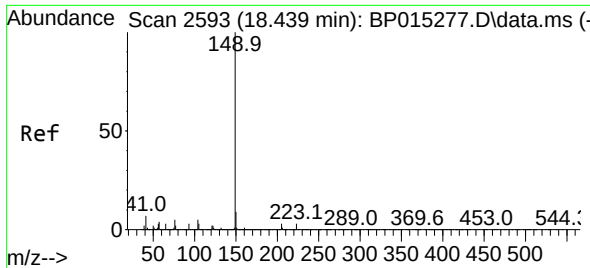
Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

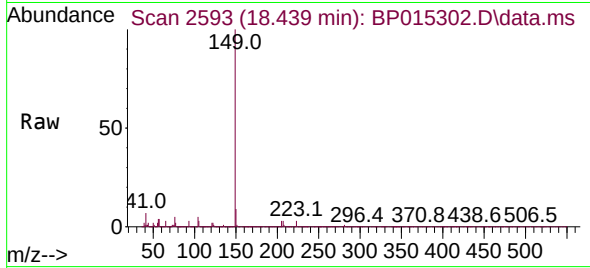
Tgt Ion:167	Resp: 179838
Ion Ratio	Lower Upper
167 100	
166 21.7	17.4 26.0
139 11.6	10.2 15.2





#74
Di-n-butylphthalate
Concen: 3.206 ng
RT: 18.439 min Scan# 2593
Delta R.T. 0.000 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

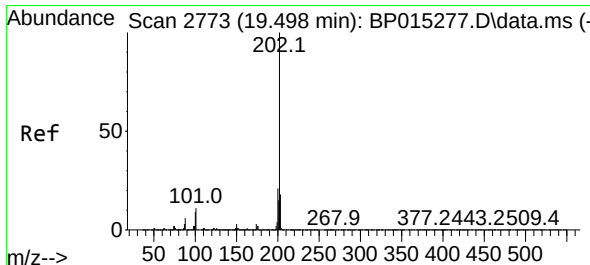
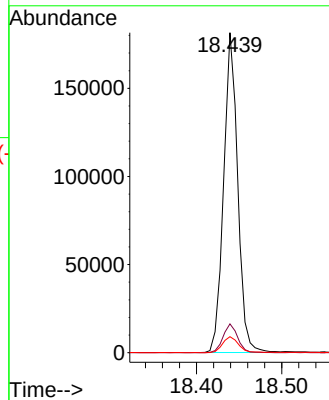
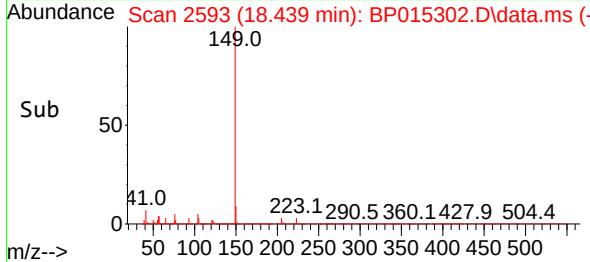
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



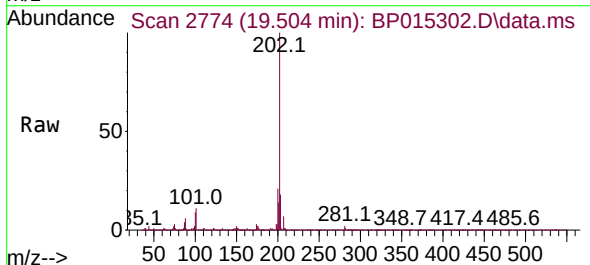
Tgt Ion:149 Resp: 20832
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 5.0 4.4 6.6

Manual Integrations
APPROVED

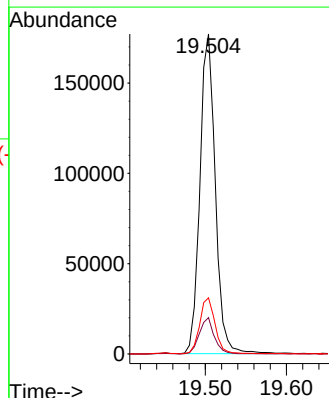
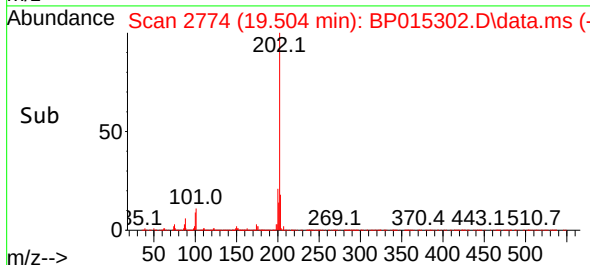
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

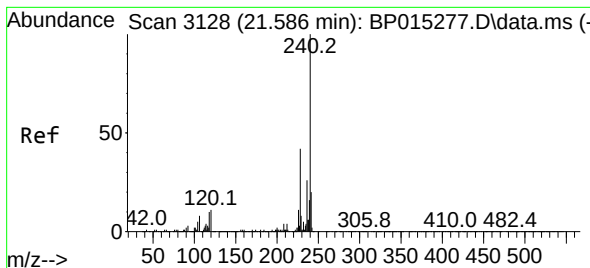


#75
Fluoranthene
Concen: 3.503 ng
RT: 19.504 min Scan# 2774
Delta R.T. 0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38



Tgt Ion:202 Resp: 233544
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

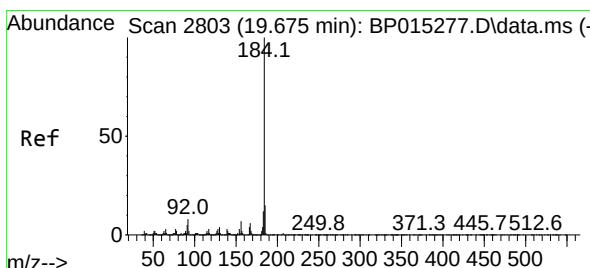
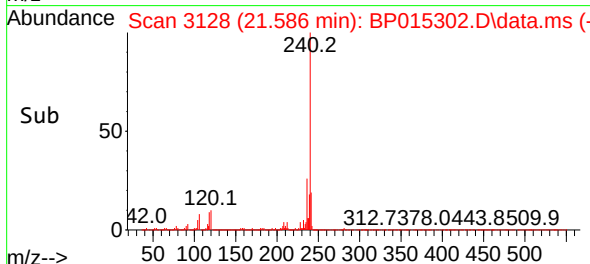
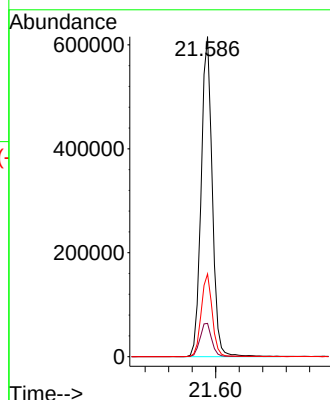
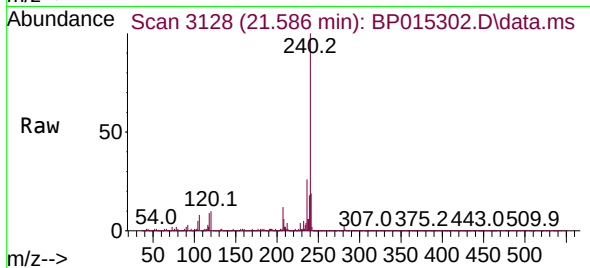
ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:240 Resp: 80438
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.8 13.2
 236 25.9 20.5 30.7

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/30/2023
 Supervised By :Jagrut Upadhyay 05/31/2023



#77

Benzidine

Concen: 4.811 ng

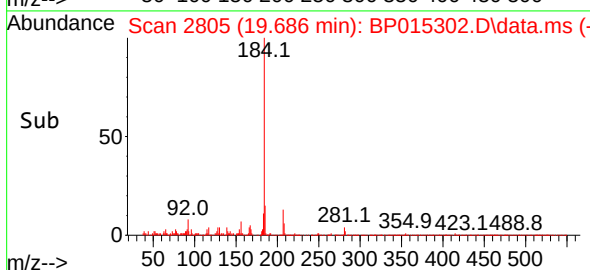
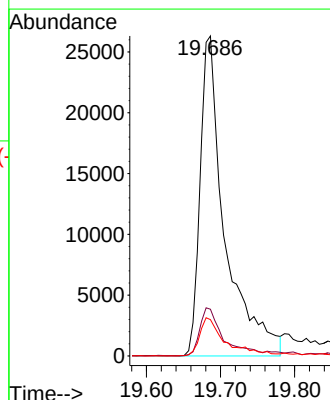
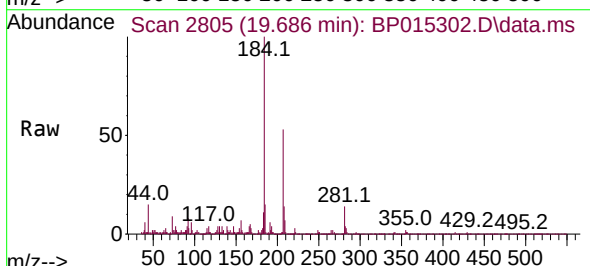
RT: 19.686 min Scan# 2805

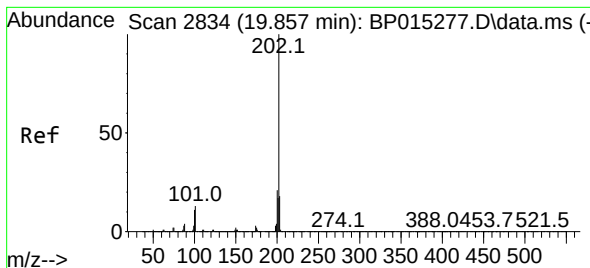
Delta R.T. 0.012 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:184 Resp: 61281
 Ion Ratio Lower Upper
 184 100
 185 14.6 11.6 17.4
 183 11.3 9.4 14.0





#78

Pyrene

Concen: 4.306 ng

RT: 19.857 min Scan# 2834

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

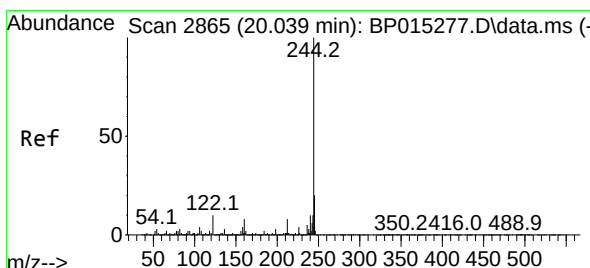
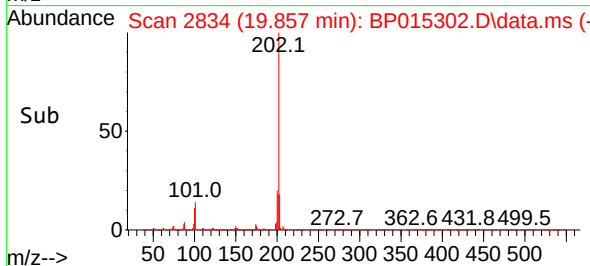
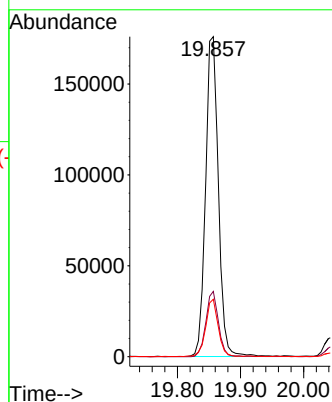
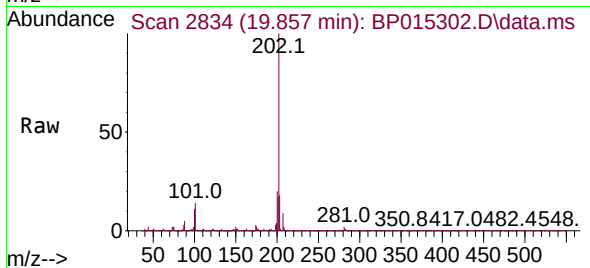
MDL-SOIL-03-QT2-2023

Tgt Ion:	202	Resp:	24783
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.1	25.7
203	17.9	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#79

Terphenyl-d14

Concen: 84.596 ng

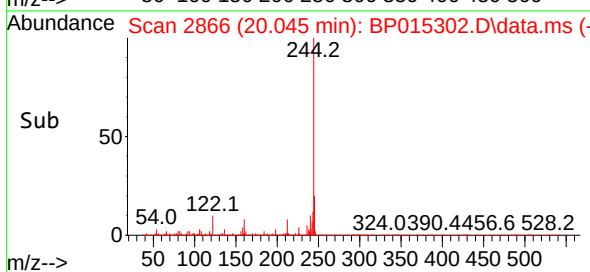
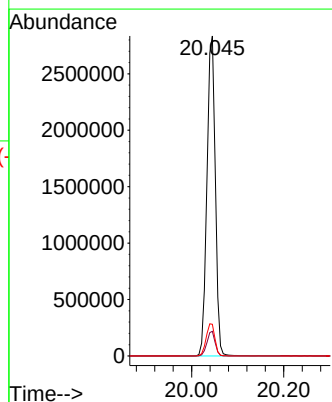
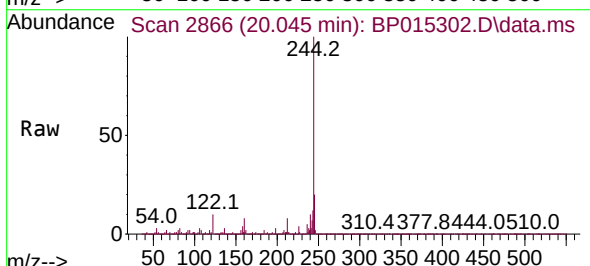
RT: 20.045 min Scan# 2866

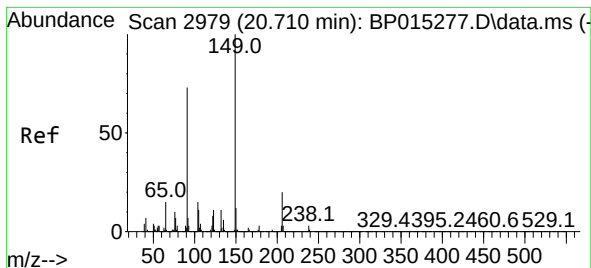
Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:	244	Resp:	3617738
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.0	9.0
122	9.9	8.2	12.4





#80

Butylbenzylphthalate

Concen: 2.957 ng

RT: 20.710 min Scan# 2979

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

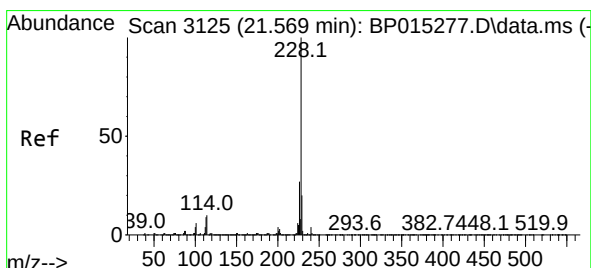
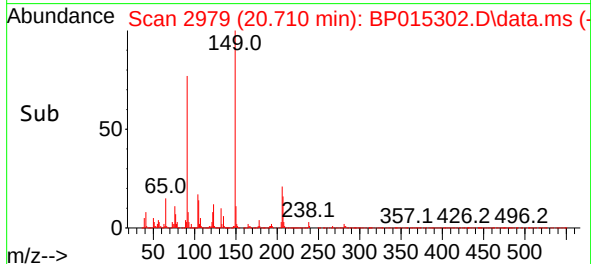
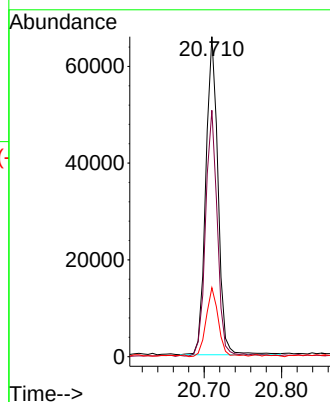
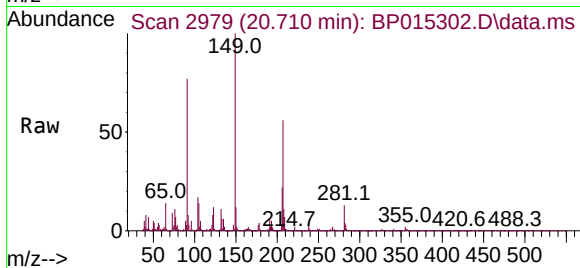
MDL-SOIL-03-QT2-2023

Tgt Ion:	149	Resp:	7211
Ion Ratio	Lower	Upper	
149	100		
91	77.0	58.2	87.2
206	21.5	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#81

Benzo(a)anthracene

Concen: 3.787 ng

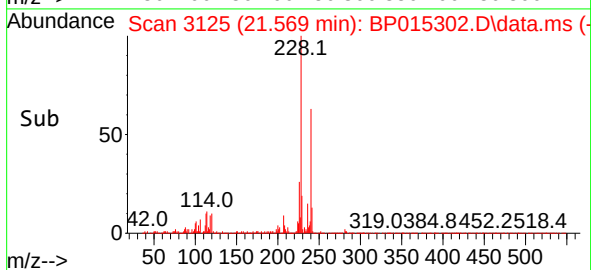
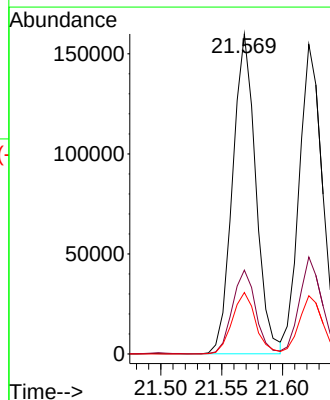
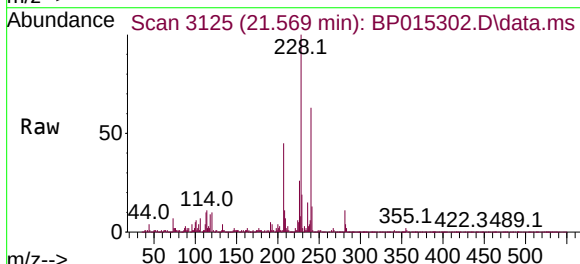
RT: 21.569 min Scan# 3125

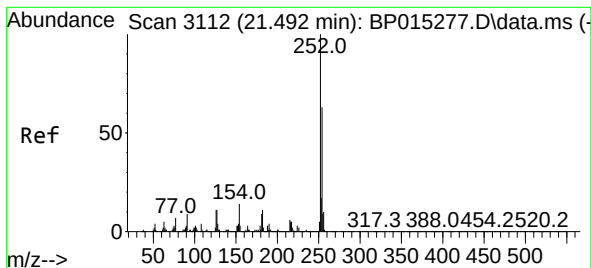
Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:	228	Resp:	211682
Ion Ratio	Lower	Upper	
228	100		
226	26.2	21.7	32.5
229	19.2	15.8	23.8





#82

3,3'-Dichlorobenzidine

Concen: 3.699 ng

RT: 21.498 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

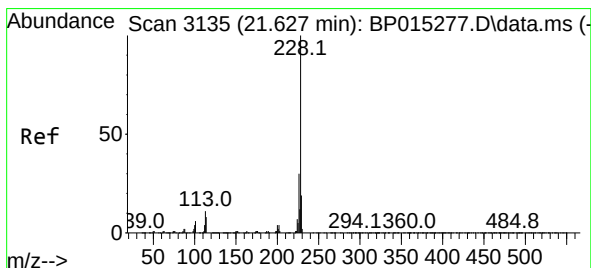
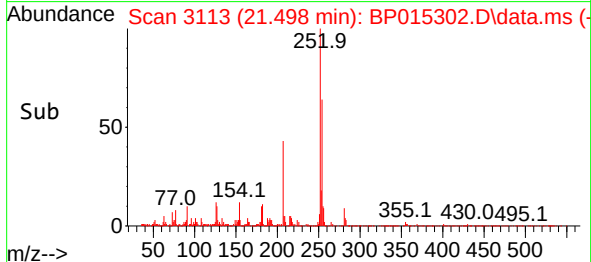
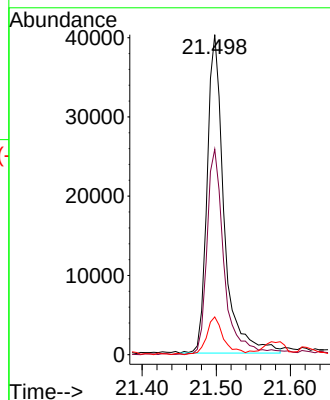
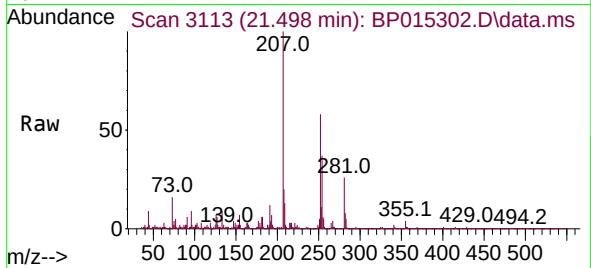
Tgt Ion:252 Resp: 63859
 Ion Ratio Lower Upper
 252 100
 254 64.2 50.7 76.1
 126 11.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#83

Chrysene

Concen: 3.880 ng

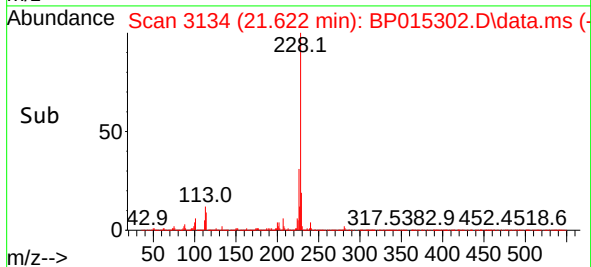
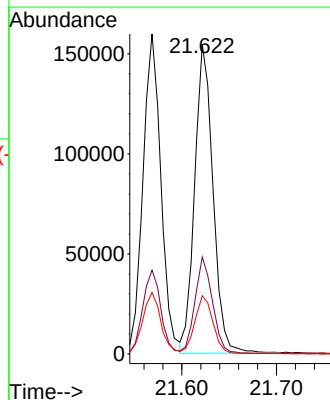
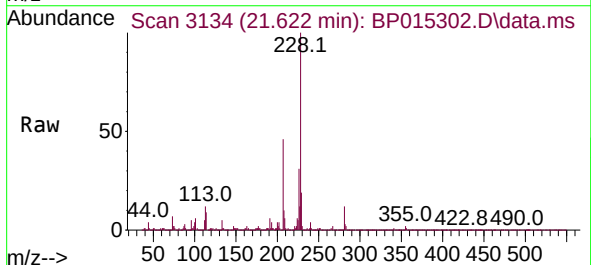
RT: 21.622 min Scan# 3134

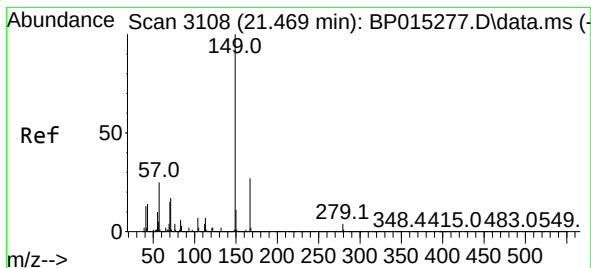
Delta R.T. -0.006 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:228 Resp: 207936
 Ion Ratio Lower Upper
 228 100
 226 31.3 23.8 35.6
 229 18.8 15.5 23.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.696 ng

RT: 21.469 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

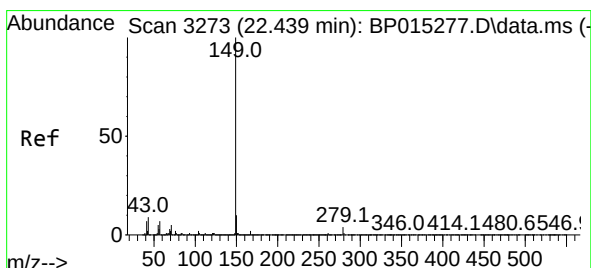
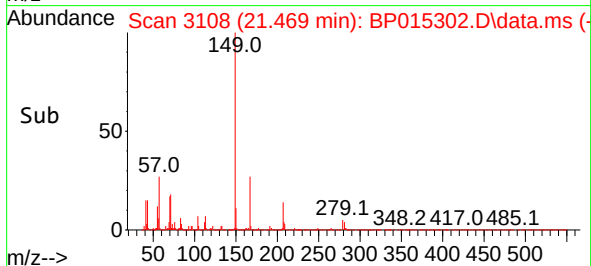
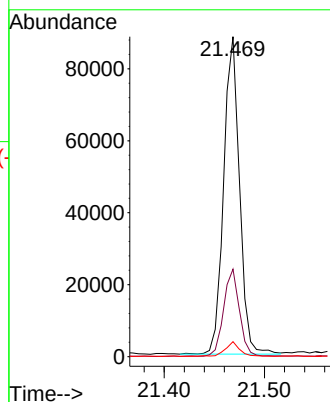
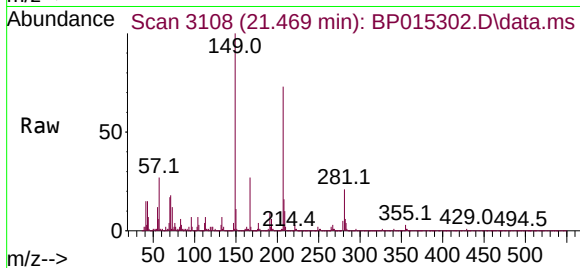
MDL-SOIL-03-QT2-2023

Tgt Ion:	149	Resp:	9684
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.6	32.4
279	4.7	3.5	5.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#85

Di-n-octyl phthalate

Concen: 2.392 ng

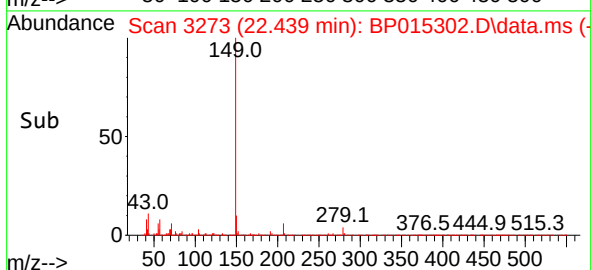
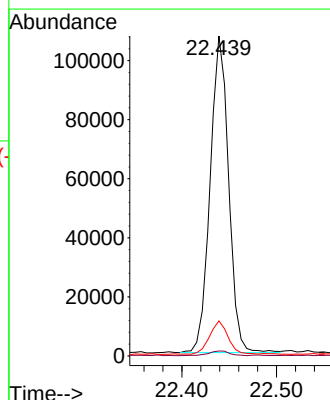
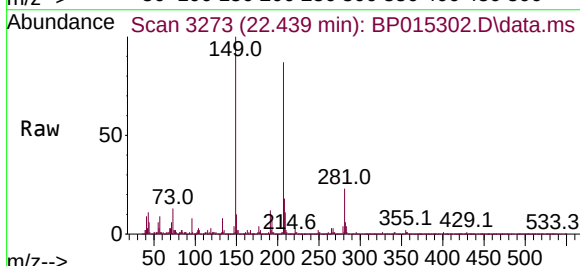
RT: 22.439 min Scan# 3273

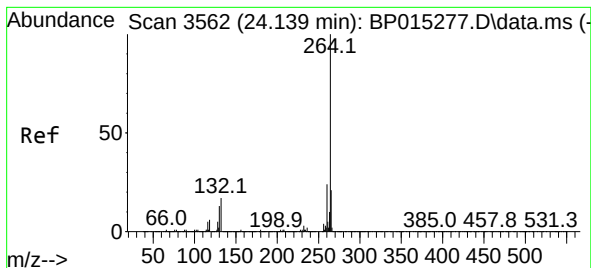
Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Tgt Ion:	149	Resp:	145356
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	10.5	7.3	10.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 30

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

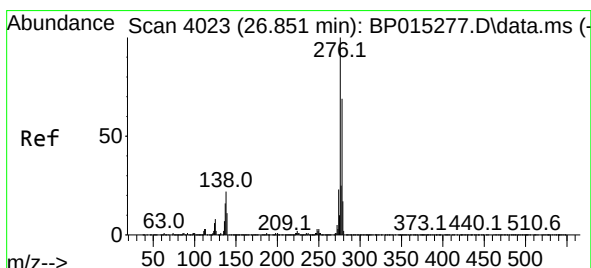
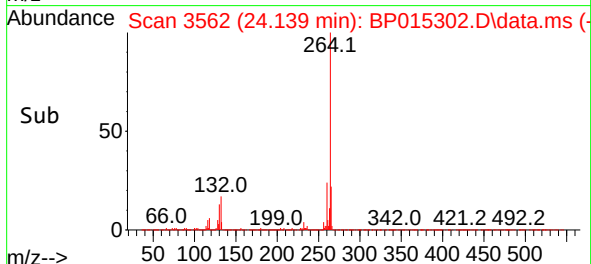
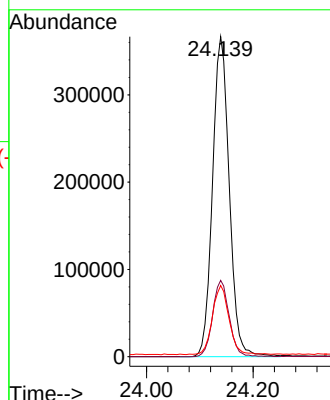
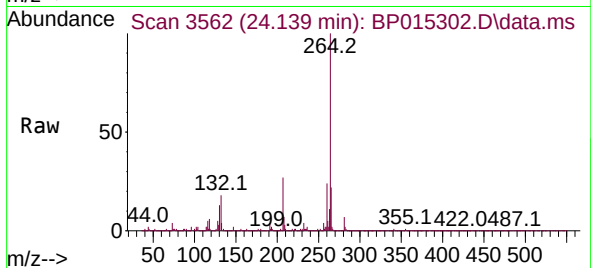
MDL-SOIL-03-QT2-2023

Tgt Ion:	264	Resp:	799584
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.0	28.6
265	22.2	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.611 ng

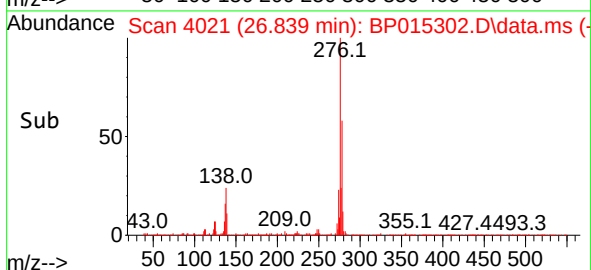
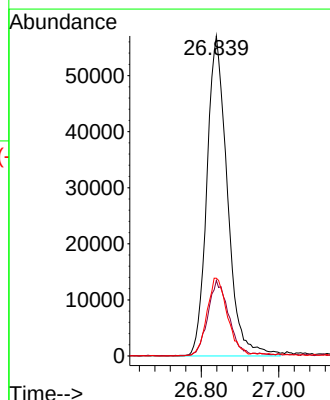
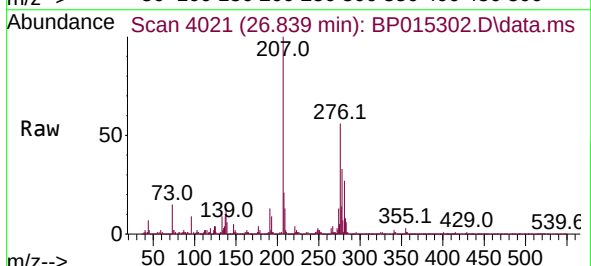
RT: 26.839 min Scan# 4021

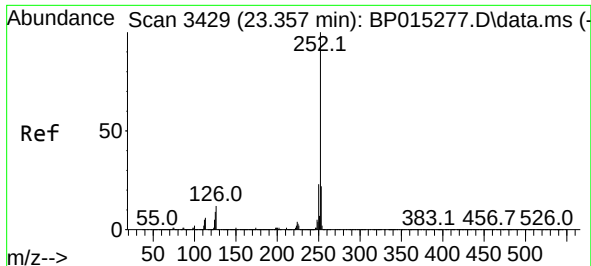
Delta R.T. -0.012 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

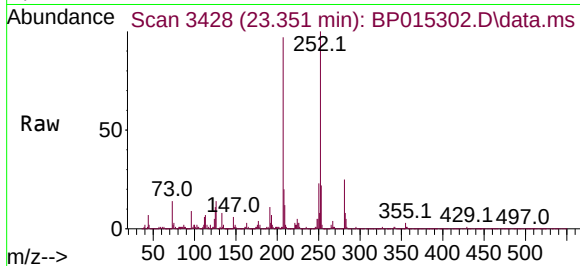
Tgt Ion:	276	Resp:	209268
Ion Ratio	Lower	Upper	
276	100		
138	24.0	19.0	28.6
277	24.4	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 3.879 ng
RT: 23.351 min Scan# 3429
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

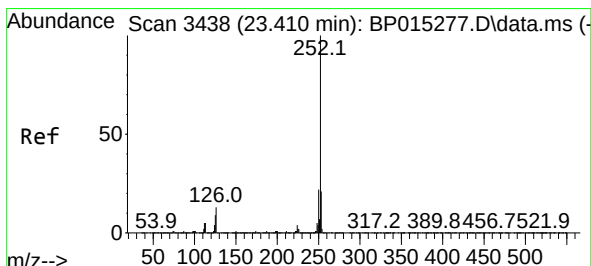
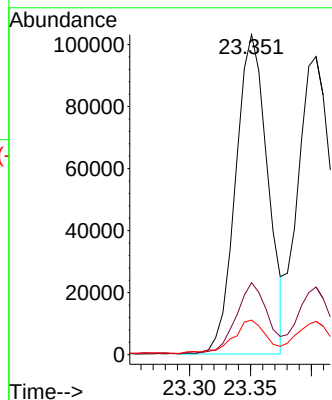
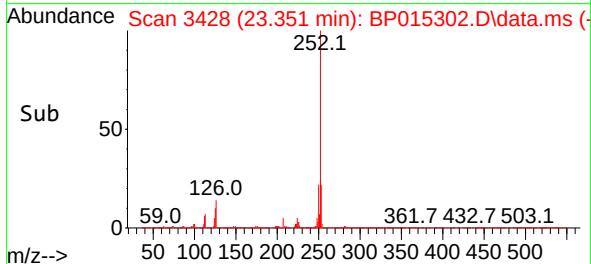
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:252 Resp: 188589
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 10.8 7.2 10.8

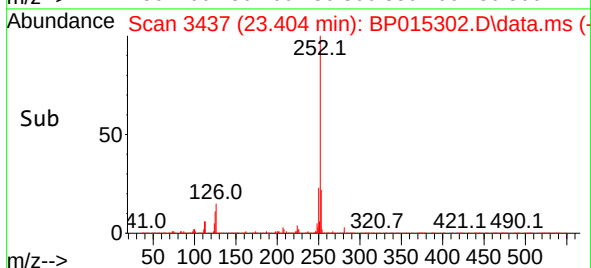
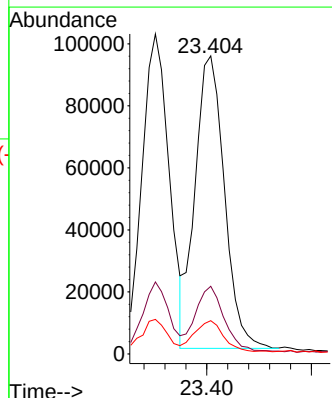
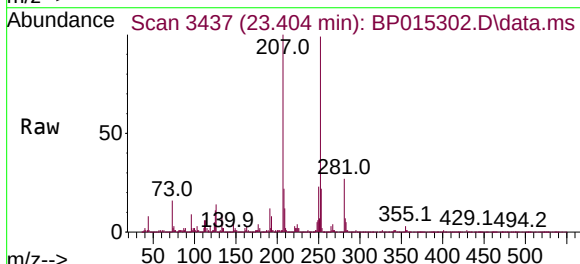
Manual Integrations
APPROVED

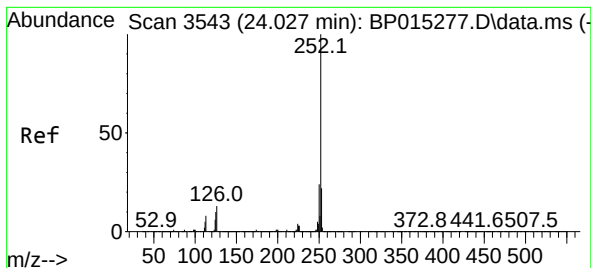
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#89
Benzo(k)fluoranthene
Concen: 3.756 ng m
RT: 23.404 min Scan# 3437
Delta R.T. -0.006 min
Lab File: BP015302.D
Acq: 26 May 2023 10:38

Tgt Ion:252 Resp: 183871
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 11.2 7.4 11.0





#90

Benzo(a)pyrene

Concen: 3.420 ng

RT: 24.027 min Scan# 3543

Delta R.T. 0.000 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

Instrument :

BNA_P

ClientSampleId :

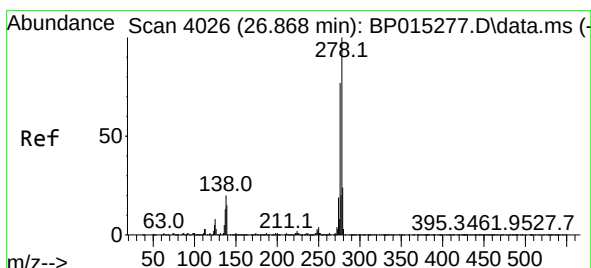
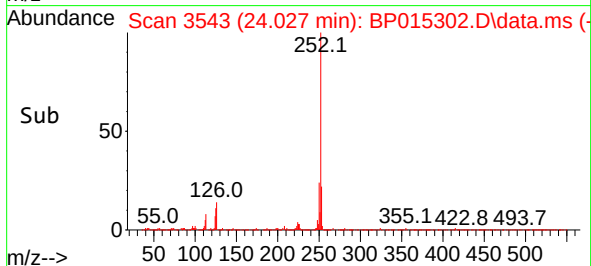
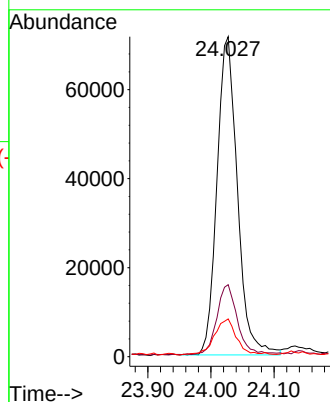
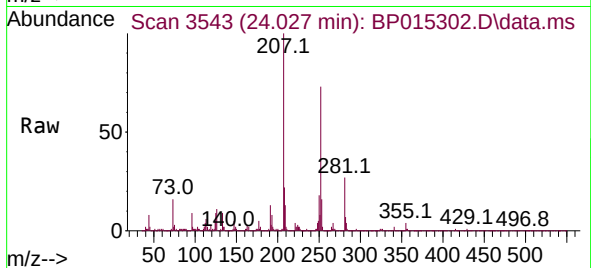
MDL-SOIL-03-QT2-2023

Tgt Ion:	252	Resp:	160538
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	11.8	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.603 ng

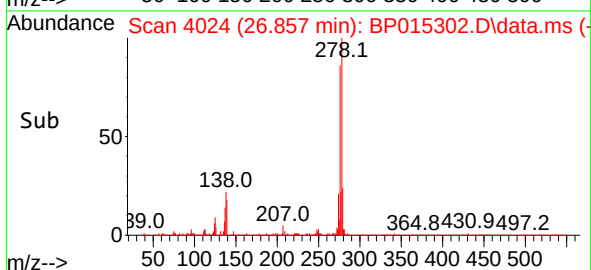
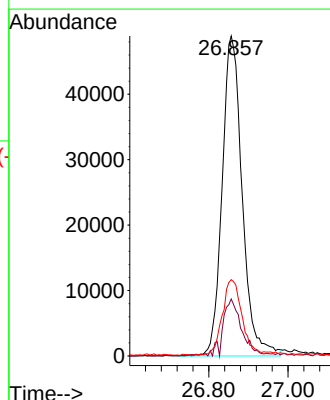
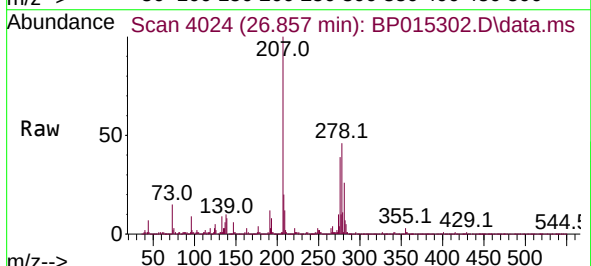
RT: 26.857 min Scan# 4024

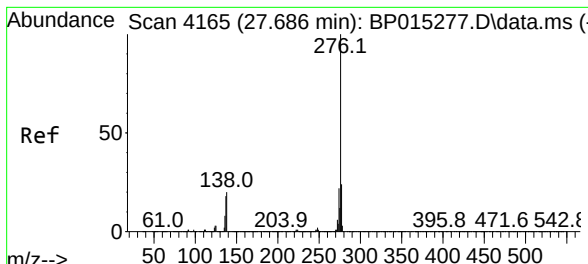
Delta R.T. -0.012 min

Lab File: BP015302.D

Acq: 26 May 2023 10:38

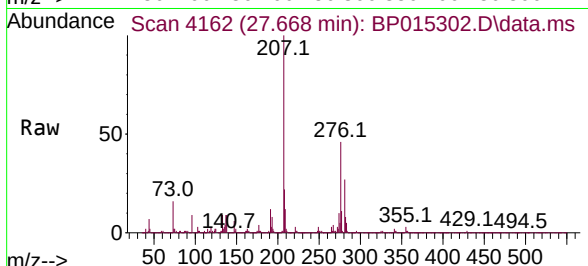
Tgt Ion:	278	Resp:	171485
Ion Ratio	Lower	Upper	
278	100		
139	17.8	12.3	18.5
279	23.8	19.3	28.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.519 ng
 RT: 27.668 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BP015302.D
 Acq: 26 May 2023 10:38

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion:	276	Resp:	17019
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.6
138	19.7	16.2	24.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/30/2023
 Supervised By :Jagrut Upadhyay 05/31/2023

