

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015287.D
 Acq On : 25 May 2023 11:56
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 25 13:56:51 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 05/26/2023
 Supervised By : Jagrut Upadhyay 05/26/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	203348	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	803266	20.000	ng	0.00
39) Acenaphthene-d10	14.757	164	494855	20.000	ng	0.00
64) Phenanthrene-d10	17.516	188	987421	20.000	ng	0.01
76) Chrysene-d12	21.592	240	761158	20.000	ng	0.00
86) Perylene-d12	24.151	264	838771	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1262024	102.840	ng	0.00
7) Phenol-d6	7.264	99	1664052	103.472	ng	0.00
23) Nitrobenzene-d5	9.287	82	1242386	75.518	ng	0.00
42) 2,4,6-Tribromophenol	16.251	330	680082	101.131	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2728441	74.023	ng	0.00
79) Terphenyl-d14	20.051	244	3179040	78.560	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	25526	4.696	ng	97
3) Pyridine	3.887	79	56620	4.076	ng	95
4) n-Nitrosodimethylamine	3.787	42	29899	4.612	ng	98
6) Aniline	7.428	93	98876	4.864	ng	99
8) 2-Chlorophenol	7.669	128	61958	4.831	ng	97
9) Benzaldehyde	7.240	77	57006	2.061	ng	93
10) Phenol	7.287	94	79726	4.950	ng	94
11) bis(2-Chloroethyl)ether	7.528	93	66978	4.961	ng	99
12) 1,3-Dichlorobenzene	7.999	146	72311	5.067	ng	99
13) 1,4-Dichlorobenzene	8.146	146	75449	5.253	ng	97
14) 1,2-Dichlorobenzene	8.469	146	70079	5.114	ng	97
15) Benzyl Alcohol	8.358	79	50651	4.512	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.646	45	92359m	5.306	ng	
17) 2-Methylphenol	8.558	107	50809	4.433	ng	97
18) Hexachloroethane	9.199	117	26778	4.947	ng	91
19) n-Nitroso-di-n-propyla...	8.922	70	52839	5.134	ng	97
20) 3+4-Methylphenols	8.887	107	68794	4.443	ng	97
22) Acetophenone	8.946	105	97656	4.681	ng	# 98
24) Nitrobenzene	9.334	77	82464	5.034	ng	98
25) Isophorone	9.857	82	135121	4.577	ng	98
26) 2-Nitrophenol	10.052	139	29485	4.101	ng	94
27) 2,4-Dimethylphenol	10.099	122	56720	4.705	ng	96
28) bis(2-Chloroethoxy)met...	10.340	93	89750	4.932	ng	100
29) 2,4-Dichlorophenol	10.587	162	54262	4.341	ng	97
30) 1,2,4-Trichlorobenzene	10.805	180	67639	4.852	ng	96
31) Naphthalene	10.993	128	204498	4.834	ng	98
32) Benzoic acid	10.175	122	15793m	7.778	ng	
33) 4-Chloroaniline	11.110	127	75568	4.321	ng	99
34) Hexachlorobutadiene	11.269	225	42695	4.833	ng	93
35) Caprolactam	11.875	113	13939	3.633	ng	89
36) 4-Chloro-3-methylphenol	12.216	107	58680	4.318	ng	97
37) 2-Methylnaphthalene	12.593	142	144649	4.811	ng	99
38) 1-Methylnaphthalene	12.810	142	137885	4.915	ng	97
40) 1,2,4,5-Tetrachloroben...	12.957	216	73788	4.544	ng	99
41) Hexachlorocyclopentadiene	12.934	237	37883	4.405	ng	94
43) 2,4,6-Trichlorophenol	13.193	196	45467	4.314	ng	99

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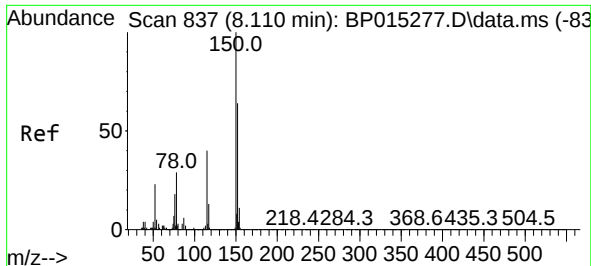
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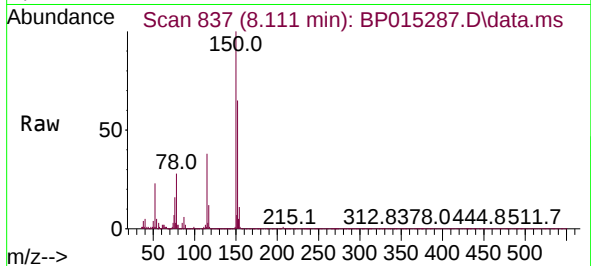
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.269	196	49298	3.979	ng	96
46) 1,1'-Biphenyl	13.593	154	185748	4.737	ng	99
47) 2-Chloronaphthalene	13.640	162	145122	4.906	ng	97
48) 2-Nitroaniline	13.846	65	33636	3.723	ng	94
49) Acenaphthylene	14.481	152	220040	4.649	ng	98
50) Dimethylphthalate	14.204	163	178978	4.623	ng	100
51) 2,6-Dinitrotoluene	14.328	165	34055	4.166	ng	97
52) Acenaphthene	14.822	154	135955	4.823	ng	99
53) 3-Nitroaniline	14.663	138	29309	3.508	ng	89
54) 2,4-Dinitrophenol	14.881	184	12604	7.330	ng	90
55) Dibenzofuran	15.151	168	223430	4.845	ng	99
56) 4-Nitrophenol	14.969	139	18654	5.862	ng	94
57) 2,4-Dinitrotoluene	15.122	165	40276	3.747	ng	# 98
58) Fluorene	15.804	166	175734	4.934	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.381	232	41539	4.192	ng	96
60) Diethylphthalate	15.563	149	169376	4.392	ng	99
61) 4-Chlorophenyl-phenyle...	15.792	204	87467	4.797	ng	98
62) 4-Nitroaniline	15.828	138	25292	4.986	ng	95
63) Azobenzene	16.087	77	161638	4.393	ng	98
65) 4,6-Dinitro-2-methylph...	15.887	198	19524	3.255	ng	99
66) n-Nitrosodiphenylamine	16.010	169	143823	4.888	ng	100
67) 4-Bromophenyl-phenylether	16.692	248	51508	4.824	ng	98
68) Hexachlorobenzene	16.810	284	59630	5.071	ng	98
69) Atrazine	16.957	200	42049	4.476	ng	98
70) Pentachlorophenol	17.163	266	26604	3.302	ng	98
71) Phenanthrene	17.557	178	260784	4.955	ng	99
72) Anthracene	17.645	178	247835	4.702	ng	99
73) Carbazole	17.916	167	201614	4.320	ng	99
74) Di-n-butylphthalate	18.445	149	233030	3.888	ng	99
75) Fluoranthene	19.510	202	257949	4.196	ng	99
77) Benzidine	19.686	184	71916	5.967	ng	97
78) Pyrene	19.863	202	269853	4.955	ng	99
80) Butylbenzylphthalate	20.716	149	84458	3.659	ng	97
81) Benzo(a)anthracene	21.575	228	244048	4.615	ng	99
82) 3,3'-Dichlorobenzidine	21.504	252	76056	4.656	ng	96
83) Chrysene	21.633	228	241738	4.767	ng	99
84) Bis(2-ethylhexyl)phtha...	21.475	149	122089	3.592	ng	99
85) Di-n-octyl phthalate	22.451	149	200694	3.490	ng	99
87) Indeno(1,2,3-cd)pyrene	26.857	276	277711	4.568	ng	99
88) Benzo(b)fluoranthene	23.363	252	237002	4.647	ng	98
89) Benzo(k)fluoranthene	23.416	252	240771	4.689	ng	98
90) Benzo(a)pyrene	24.033	252	203561	4.134	ng	98
91) Dibenzo(a,h)anthracene	26.874	278	229601	4.599	ng	97
92) Benzo(g,h,i)perylene	27.692	276	228522	4.505	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 81
Delta R.T. 0.001 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

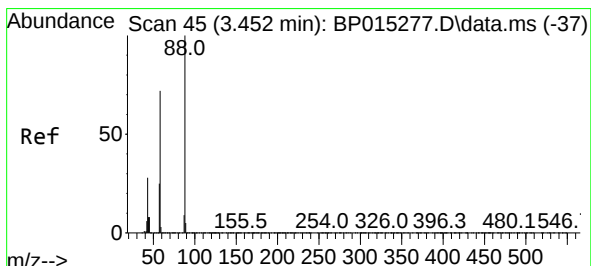
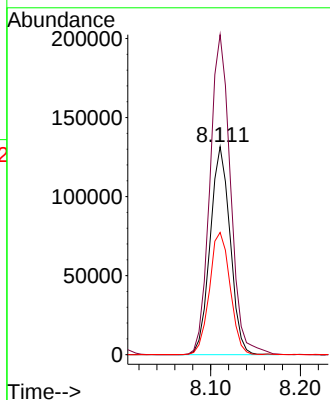
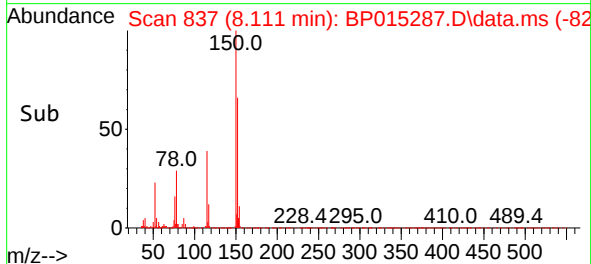
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:152 Resp: 20334
Ion Ratio Lower Upper
152 100
150 153.8 124.2 186.2
115 58.8 49.1 73.7

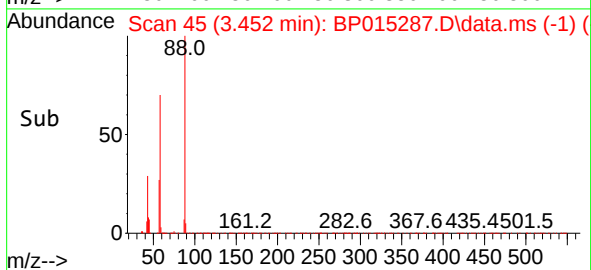
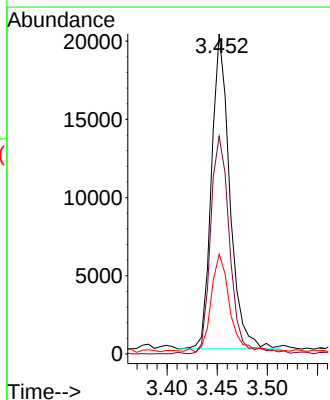
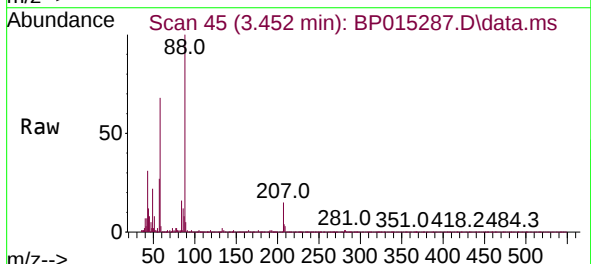
Manual Integrations
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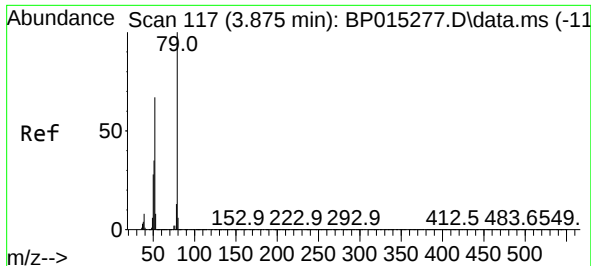
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#2
1,4-Dioxane
Concen: 4.696 ng
RT: 3.452 min Scan# 45
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 88 Resp: 25526
Ion Ratio Lower Upper
88 100
58 72.1 56.2 84.4
43 30.9 22.1 33.1





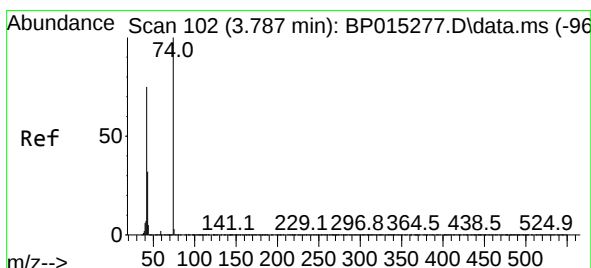
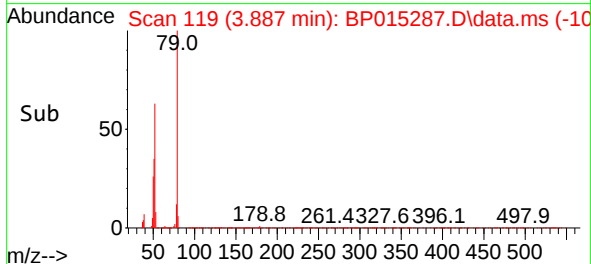
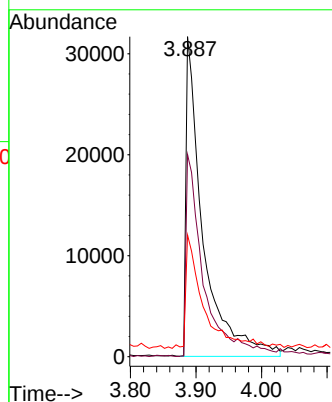
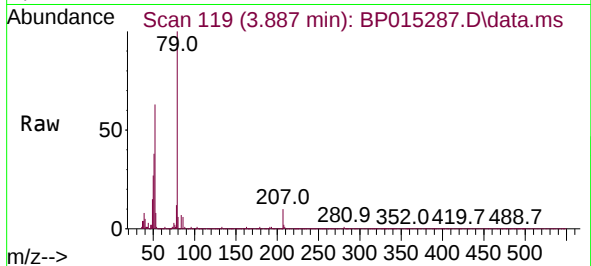
#3
Pyridine
Concen: 4.076 ng
RT: 3.887 min Scan# 117
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 79 Resp: 56620
Ion Ratio Lower Upper
79 100
52 63.1 53.7 80.5
51 38.0 28.6 43.0

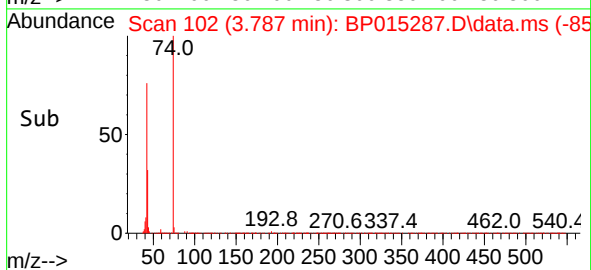
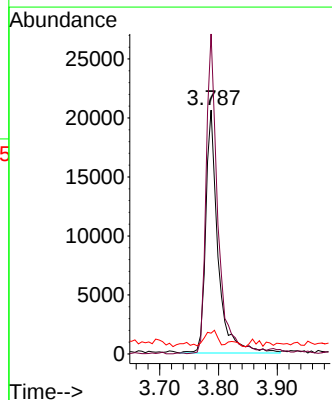
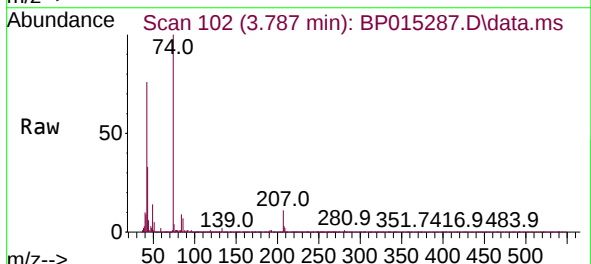
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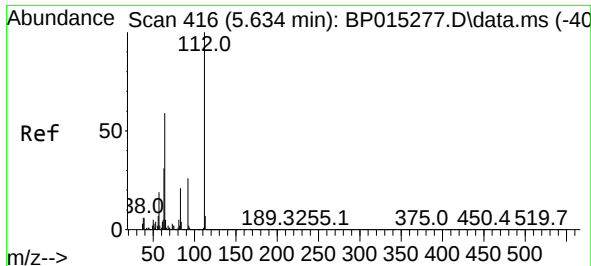
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#4
n-Nitrosodimethylamine
Concen: 4.612 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

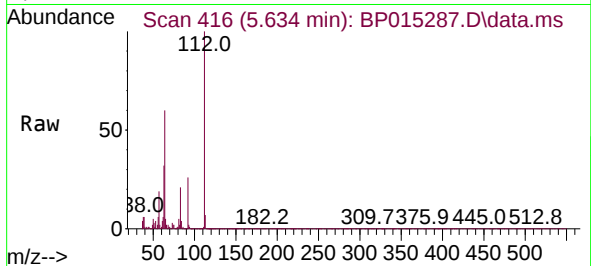
Tgt Ion: 42 Resp: 29899
Ion Ratio Lower Upper
42 100
74 131.2 106.6 160.0
44 8.5 5.8 8.8





#5
2-Fluorophenol
Concen: 102.840 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

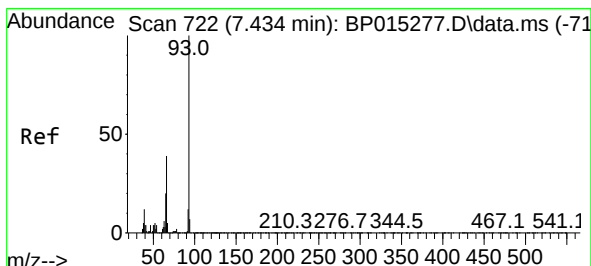
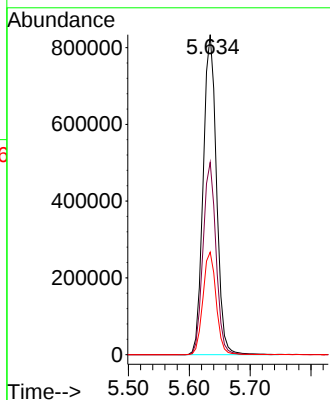
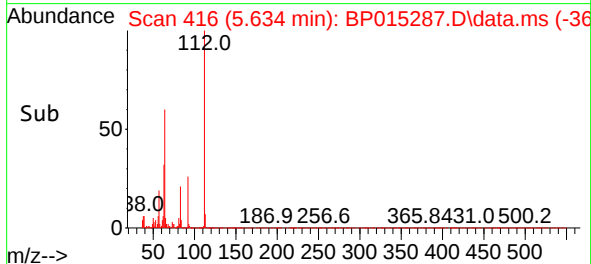
Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 1262024
Ion Ratio Lower Upper
112 100
64 60.1 47.2 70.8
63 32.0 24.6 37.0

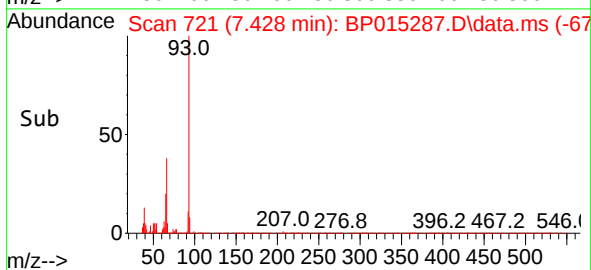
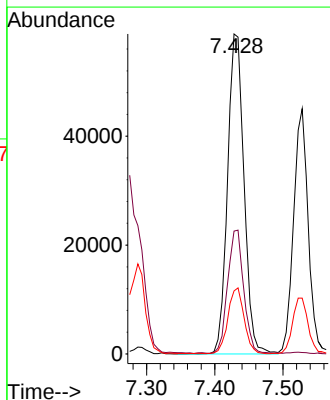
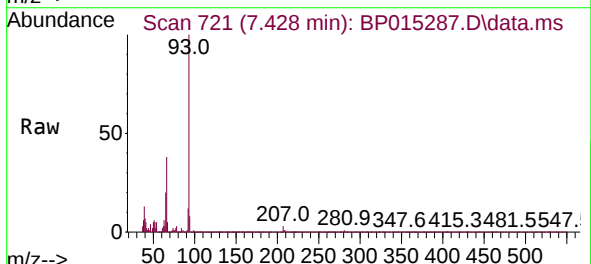
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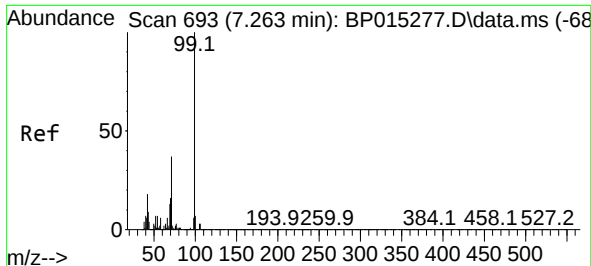
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#6
Aniline
Concen: 4.864 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

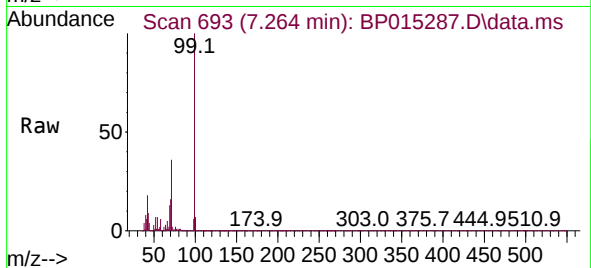
Tgt Ion: 93 Resp: 98876
Ion Ratio Lower Upper
93 100
66 38.4 31.3 46.9
65 19.7 16.0 24.0





#7
Phenol-d6
Concen: 103.472 ng
RT: 7.264 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

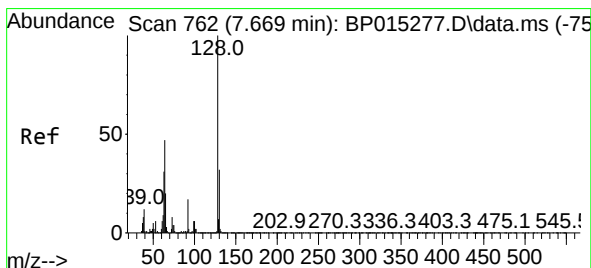
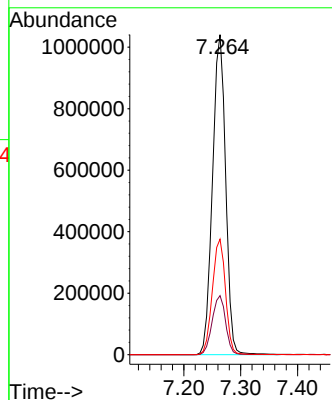
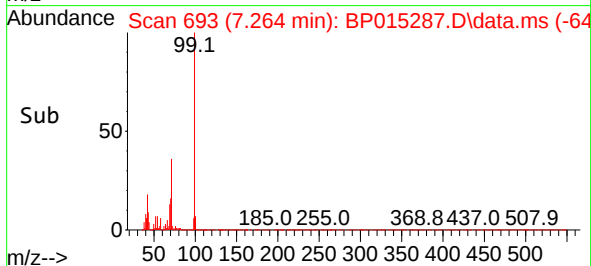
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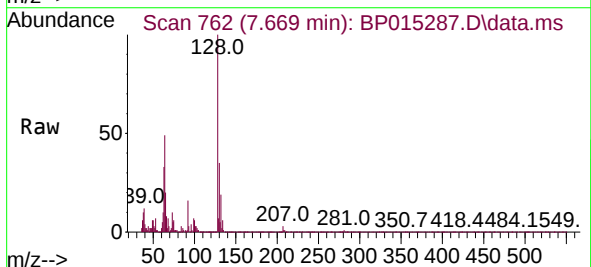
Tgt Ion: 99 Resp: 1664052
Ion Ratio Lower Upper
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71 36.1 29.4 44.2

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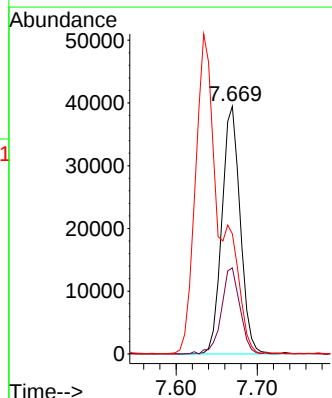
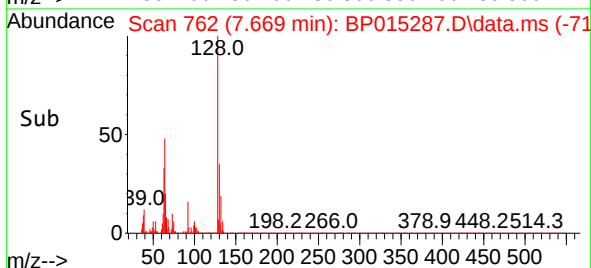
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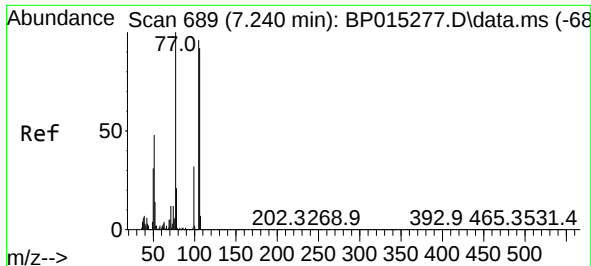


#8
2-Chlorophenol
Concen: 4.831 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



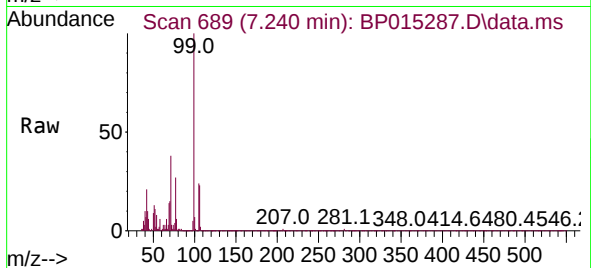
Tgt Ion:128 Resp: 61958
Ion Ratio Lower Upper
128 100
130 34.8 11.5 51.5
64 48.5 27.3 67.3





#9
Benzaldehyde
Concen: 2.061 ng
RT: 7.240 min Scan# 610
Delta R.T. -0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

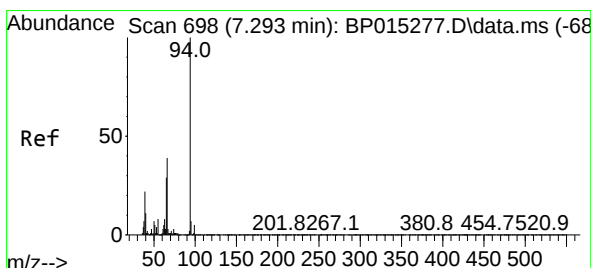
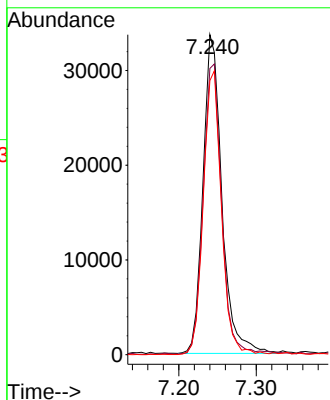
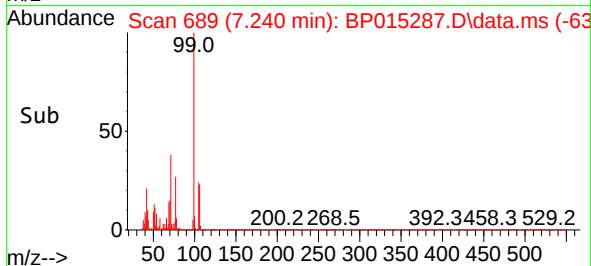
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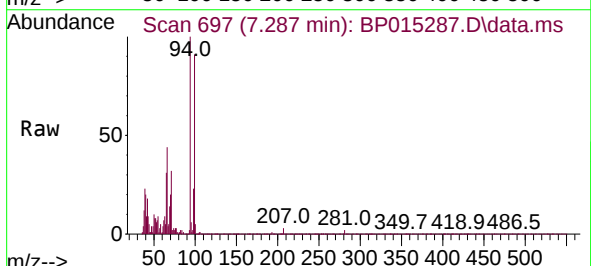
Tgt Ion: 77 Resp: 57000
Ion Ratio Lower Upper
77 100
105 89.4 75.9 115.9
106 85.7 72.3 112.3

Manual Integrations
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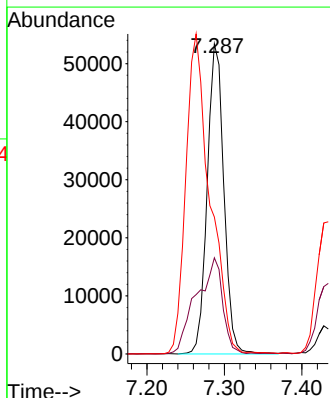
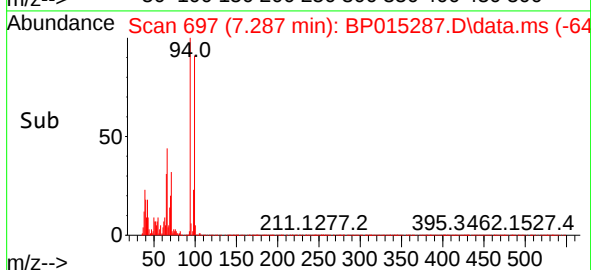
Reviewed By :Christian Giraldo 05/26/2023
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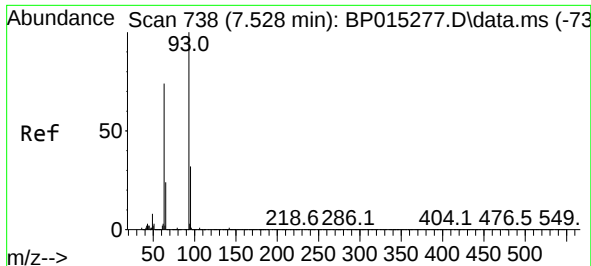


#10
Phenol
Concen: 4.950 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



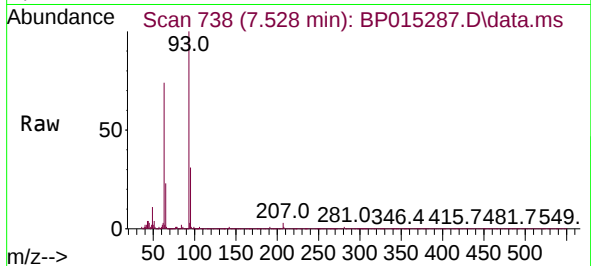
Tgt Ion: 94 Resp: 79726
Ion Ratio Lower Upper
94 100
65 31.0 9.1 49.1
66 44.1 19.3 59.3





#11
bis(2-Chloroethyl)ether
Concen: 4.961 ng
RT: 7.528 min Scan# 738
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

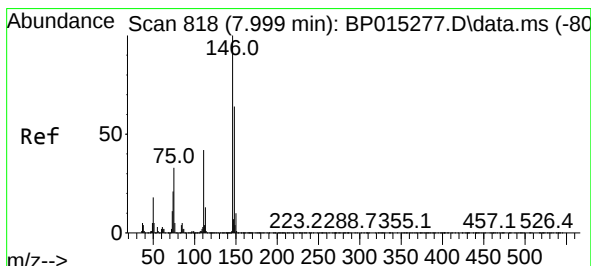
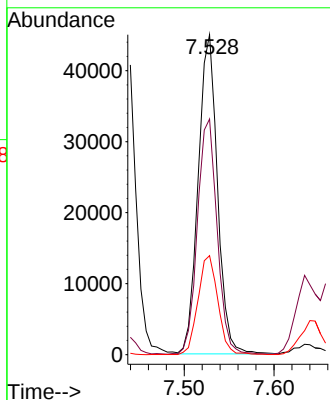
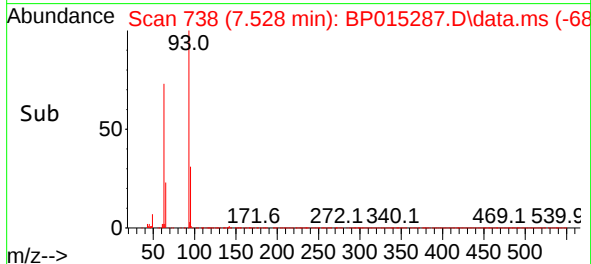
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



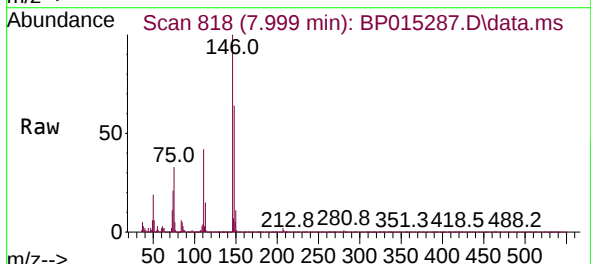
Tgt Ion: 93 Resp: 66978
Ion Ratio Lower Upper
93 100
63 73.7 53.9 93.9
95 30.9 12.2 52.2

Manual Integrations
APPROVED

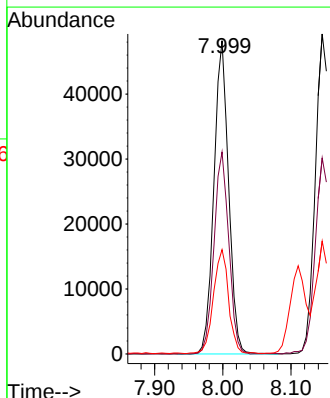
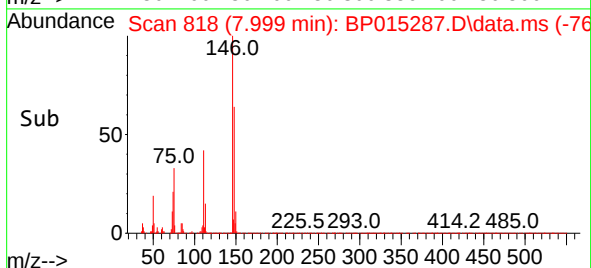
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

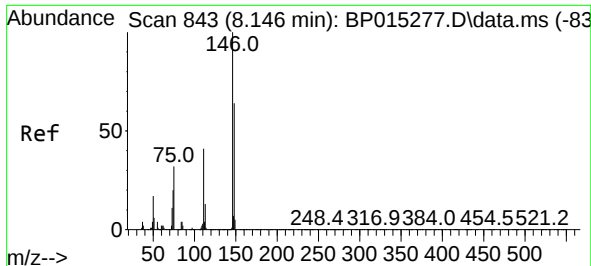


#12
1,3-Dichlorobenzene
Concen: 5.067 ng
RT: 7.999 min Scan# 818
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



Tgt Ion:146 Resp: 72311
Ion Ratio Lower Upper
146 100
148 64.5 50.8 76.2
75 33.3 26.1 39.1





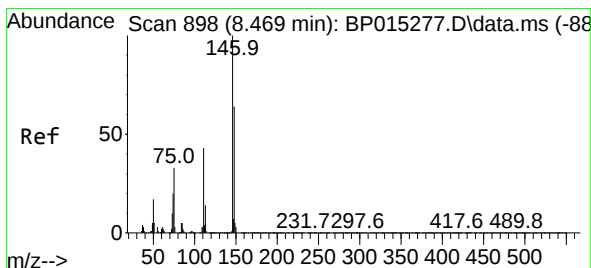
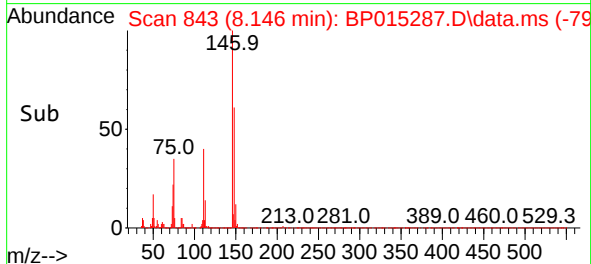
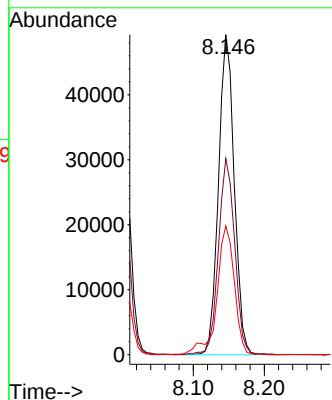
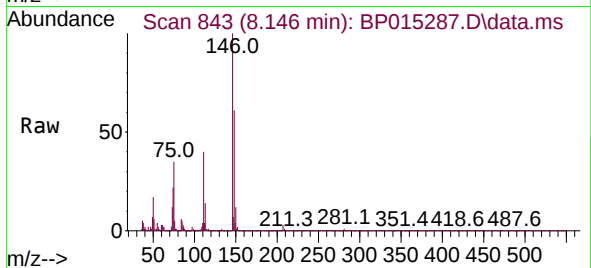
#13
1,4-Dichlorobenzene
Concen: 5.253 ng
RT: 8.146 min Scan# 843
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:146 Resp: 75449
Ion Ratio Lower Upper
146 100
148 61.3 51.0 76.6
111 40.2 33.3 49.9

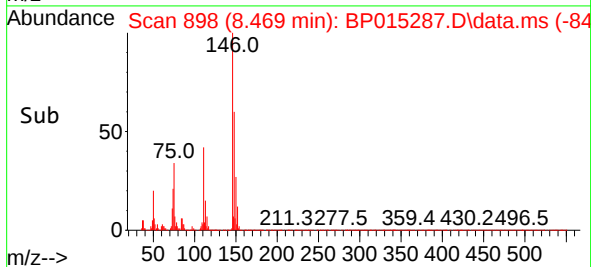
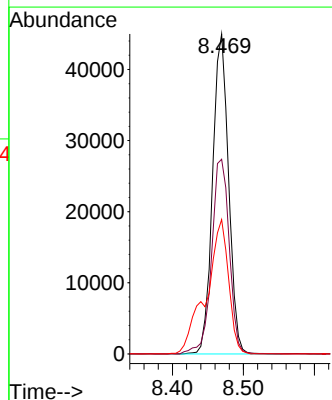
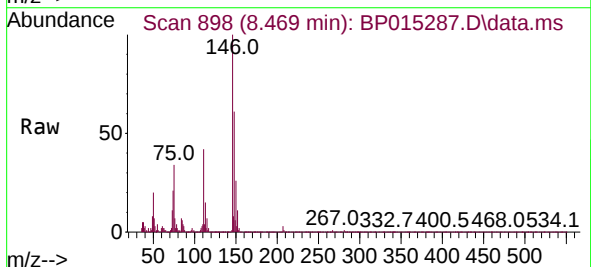
Manual Integrations
APPROVED

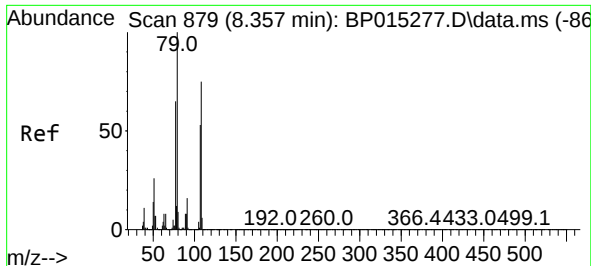
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#14
1,2-Dichlorobenzene
Concen: 5.114 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:146 Resp: 70079
Ion Ratio Lower Upper
146 100
148 60.9 51.4 77.2
111 42.0 34.2 51.2





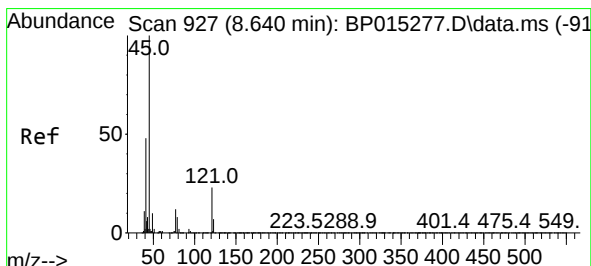
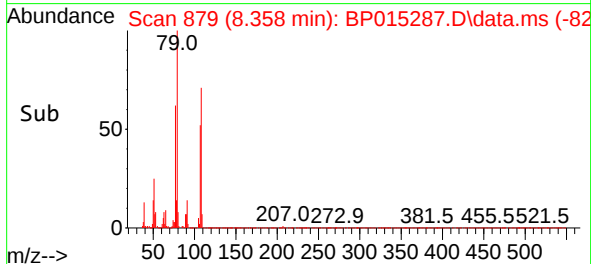
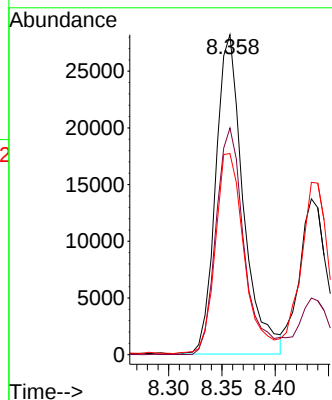
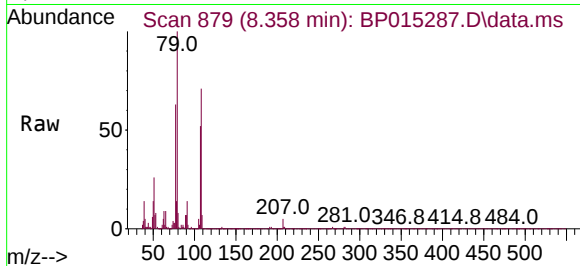
#15
Benzyl Alcohol
Concen: 4.512 ng
RT: 8.358 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 79 Resp: 5065
Ion Ratio Lower Upper
79 100
108 70.9 60.2 90.2
77 62.8 52.1 78.1

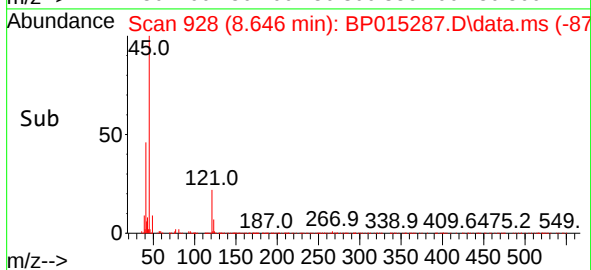
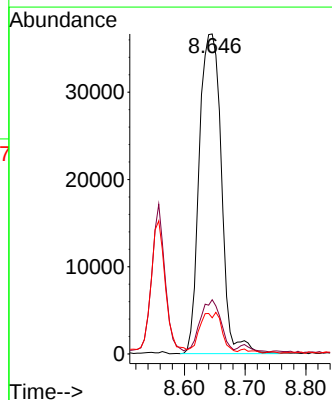
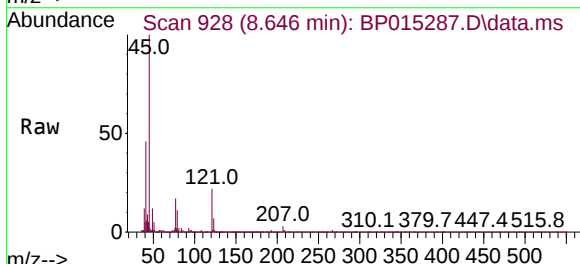
Manual Integrations
APPROVED

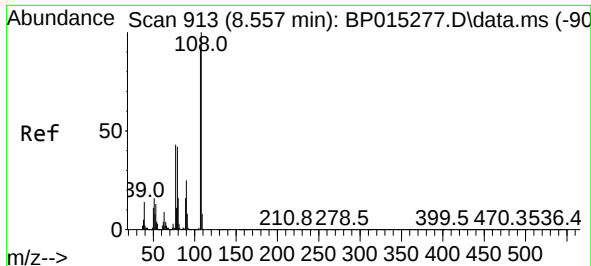
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.306 ng m
RT: 8.646 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

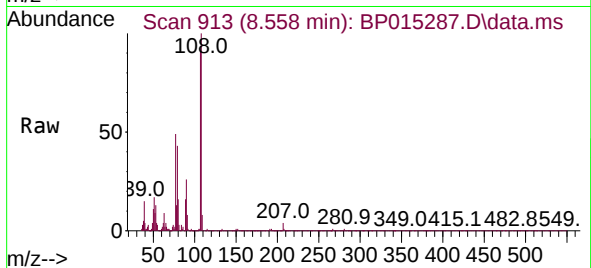
Tgt Ion: 45 Resp: 92359
Ion Ratio Lower Upper
45 100
77 16.9 0.0 35.3
79 11.3 0.0 31.2





#17
2-Methylphenol
Concen: 4.433 ng
RT: 8.558 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

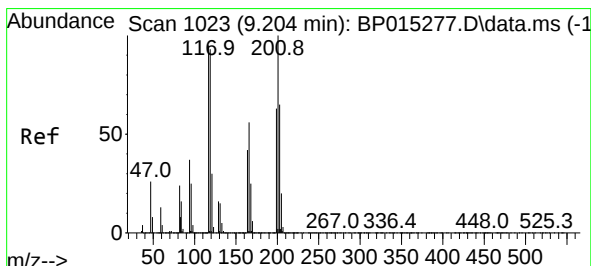
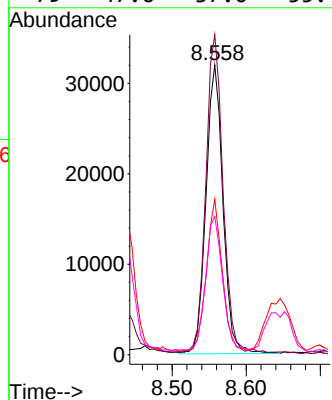
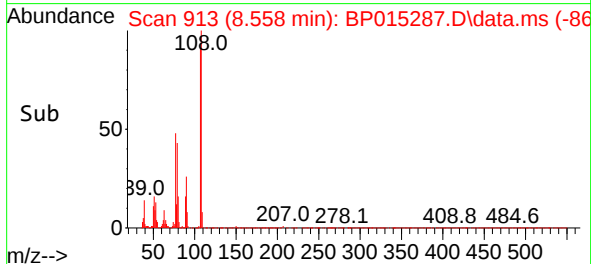
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.4	87.3	130.9
77	53.6	38.1	57.1
79	47.6	37.0	55.4

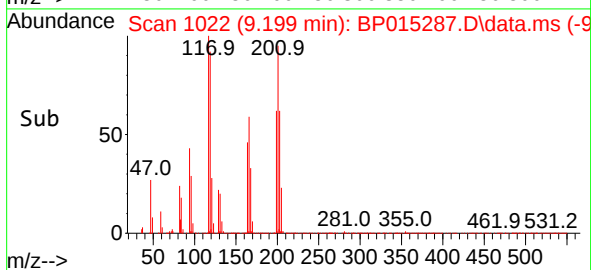
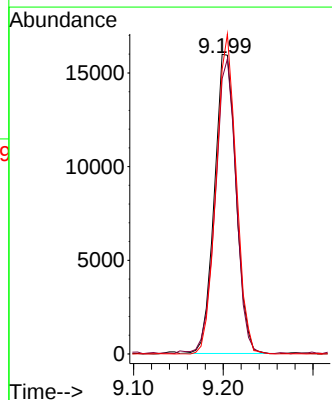
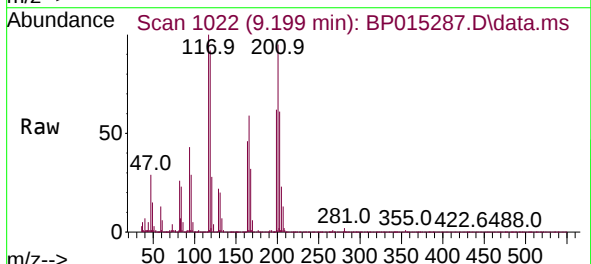
Manual Integrations
APPROVED

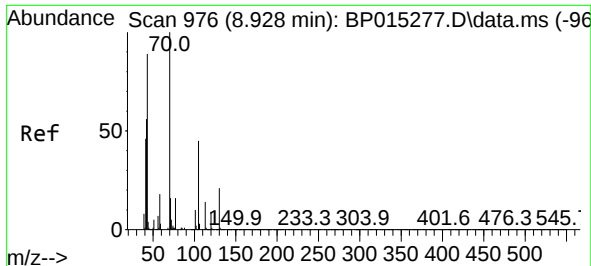
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#18
Hexachloroethane
Concen: 4.947 ng
RT: 9.199 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

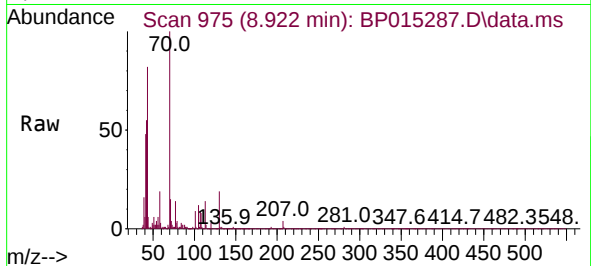
Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	78.8	118.2
201	94.9	84.5	126.7





#19
n-Nitroso-di-n-propylamine
Concen: 5.134 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

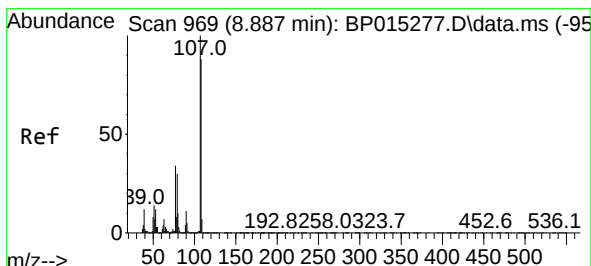
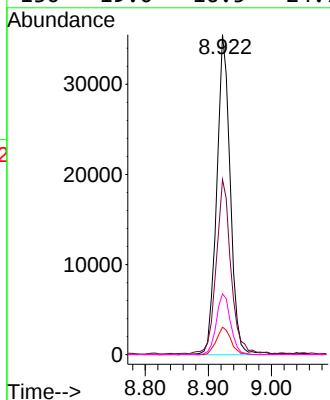
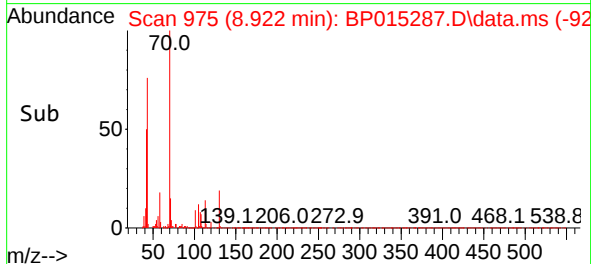
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



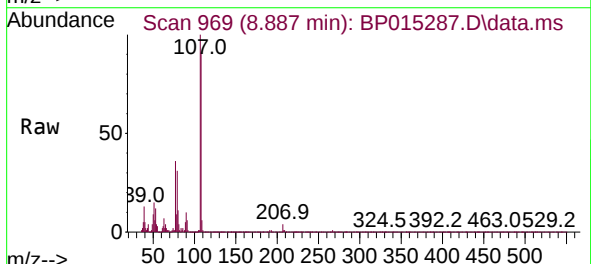
Tgt Ion: 70 Resp: 52839
Ion Ratio Lower Upper
70 100
42 54.8 45.4 68.2
101 8.6 7.9 11.9
130 19.0 16.5 24.7

Manual Integrations
APPROVED

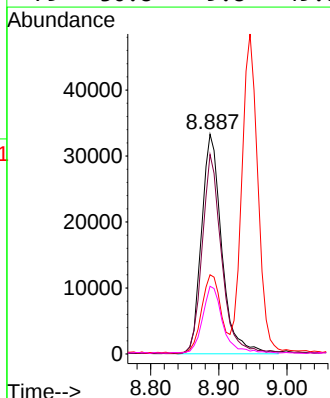
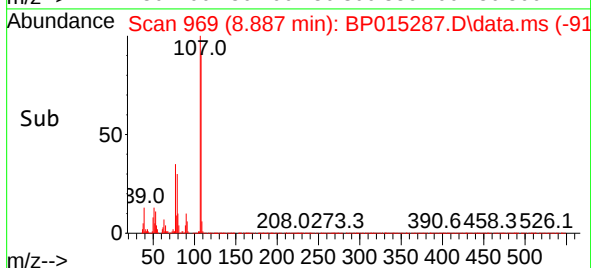
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

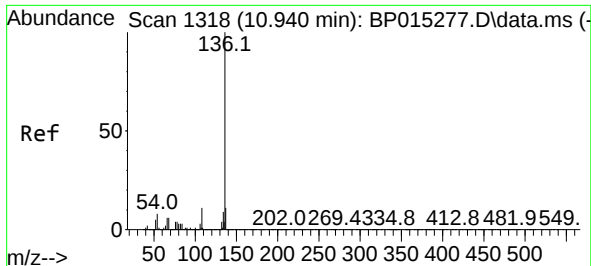


#20
3+4-Methylphenols
Concen: 4.443 ng
RT: 8.887 min Scan# 969
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



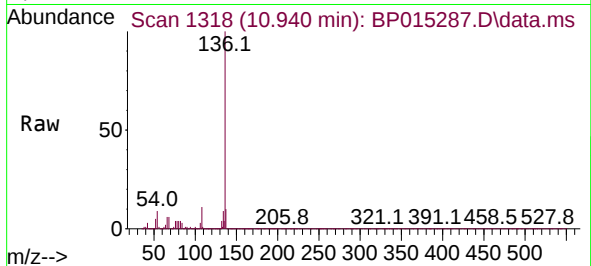
Tgt Ion:107 Resp: 68794
Ion Ratio Lower Upper
107 100
108 90.8 68.0 108.0
77 36.1 14.5 54.5
79 30.8 9.8 49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

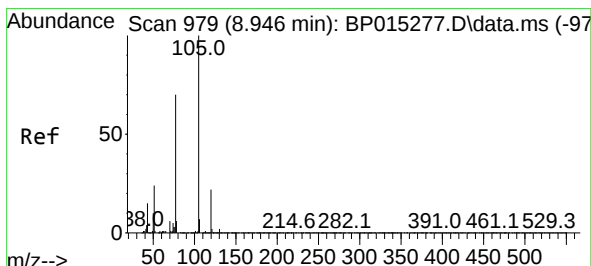
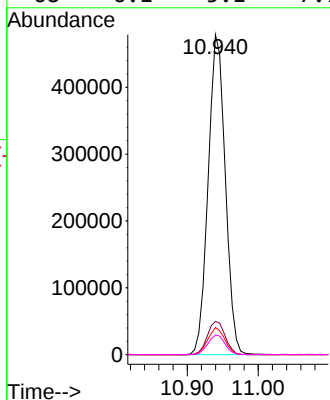
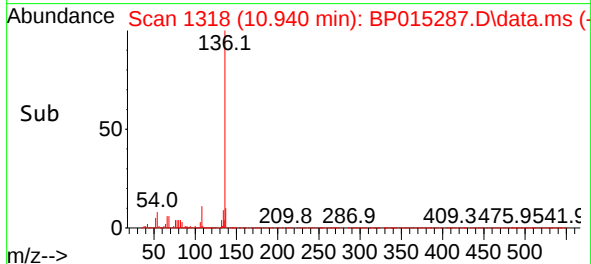
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:136 Resp: 803260
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 8.5 6.3 9.5
68 6.1 5.1 7.7

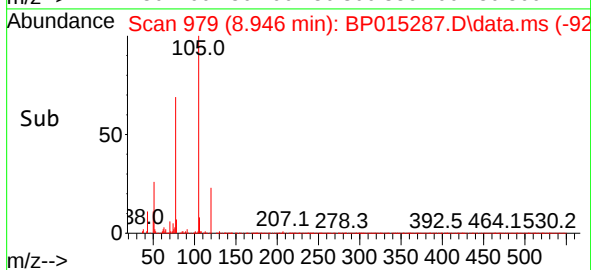
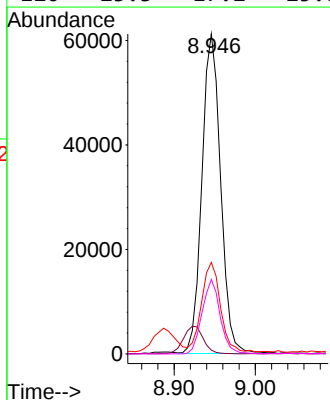
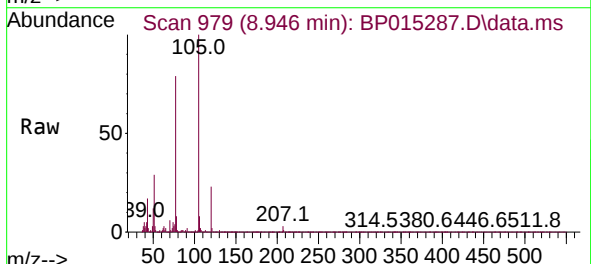
Manual Integrations
APPROVED

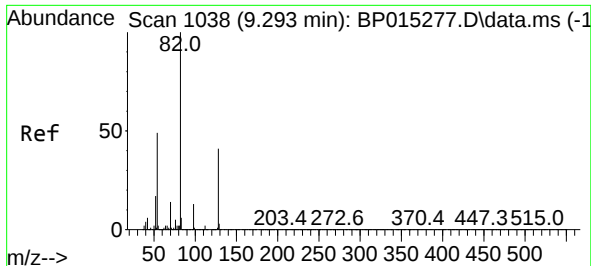
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#22
Acetophenone
Concen: 4.681 ng
RT: 8.946 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:105 Resp: 97656
Ion Ratio Lower Upper
105 100
71 1.2 1.5 2.3#
51 28.6 22.5 33.7
120 23.3 17.2 25.8





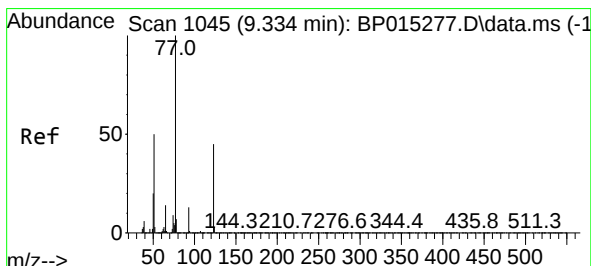
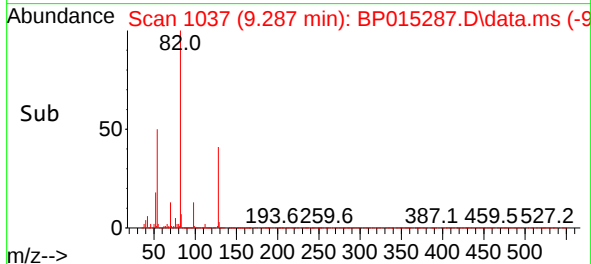
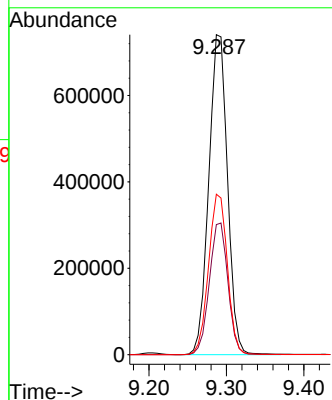
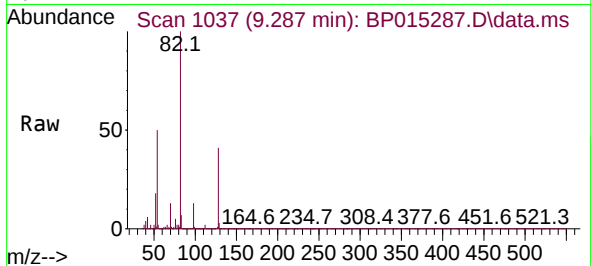
#23
Nitrobenzene-d5
Concen: 75.518 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 82 Resp: 1242380
Ion Ratio Lower Upper
82 100
128 40.6 33.0 49.4
54 50.2 39.2 58.8

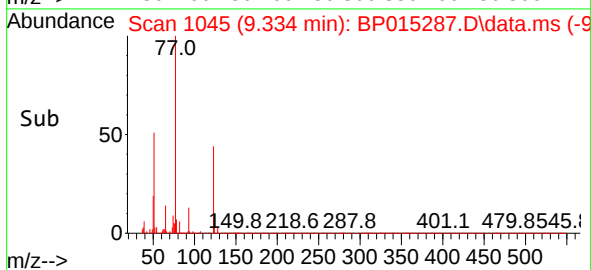
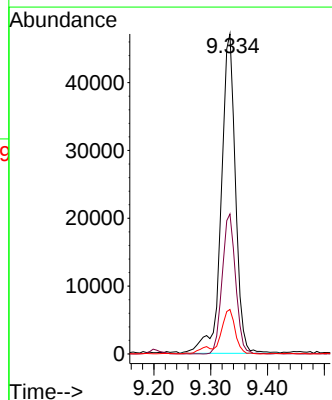
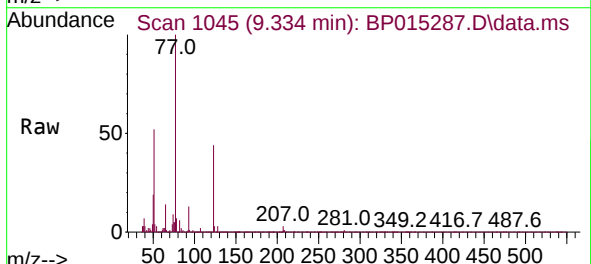
Manual Integrations
APPROVED

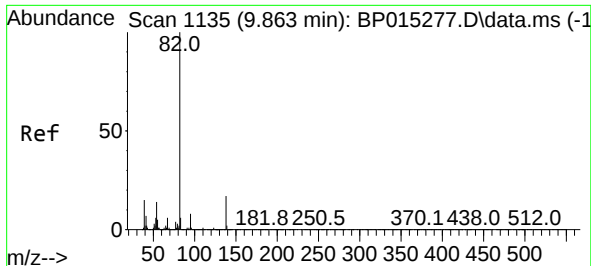
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#24
Nitrobenzene
Concen: 5.034 ng
RT: 9.334 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

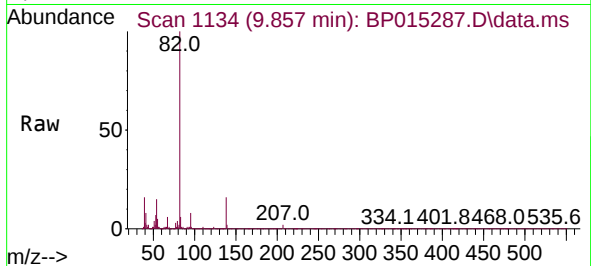
Tgt Ion: 77 Resp: 82464
Ion Ratio Lower Upper
77 100
123 43.8 36.2 54.4
65 13.9 10.8 16.2





#25
Isophorone
Concen: 4.577 ng
RT: 9.857 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

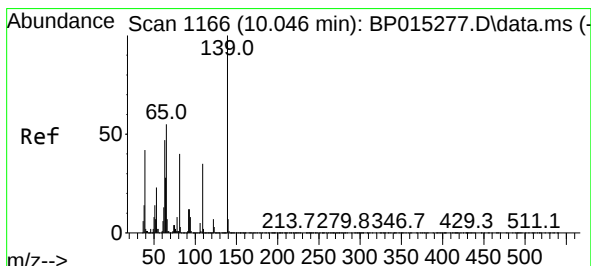
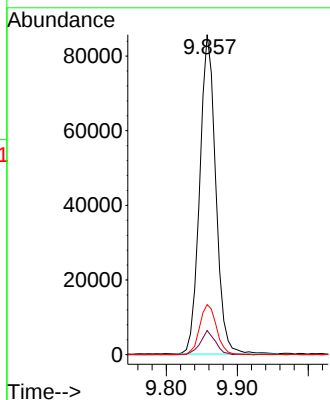
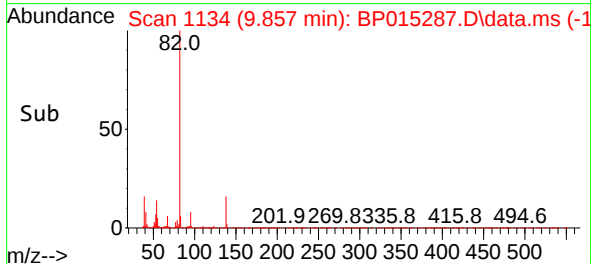
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



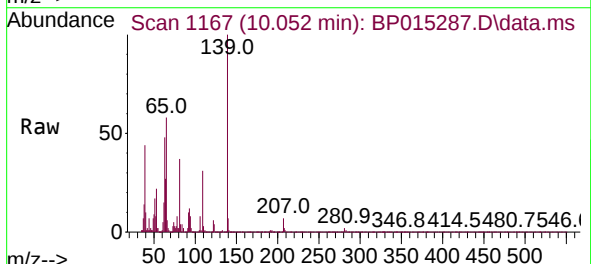
Tgt Ion: 82 Resp: 13512
Ion Ratio Lower Upper
82 100
95 7.5 6.3 9.5
138 15.6 13.6 20.4

Manual Integrations
APPROVED

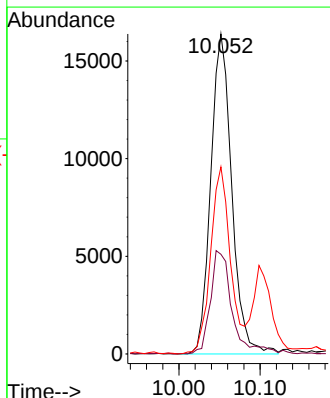
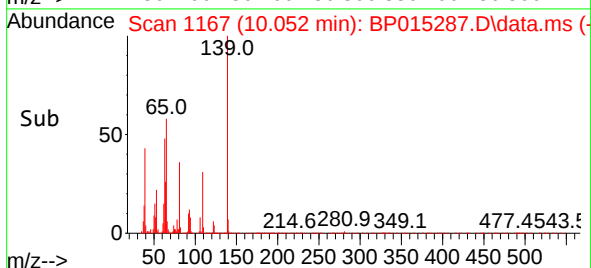
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

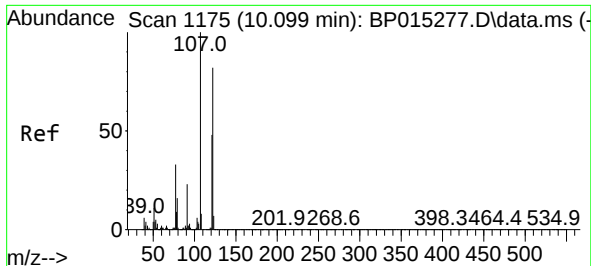


#26
2-Nitrophenol
Concen: 4.101 ng
RT: 10.052 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



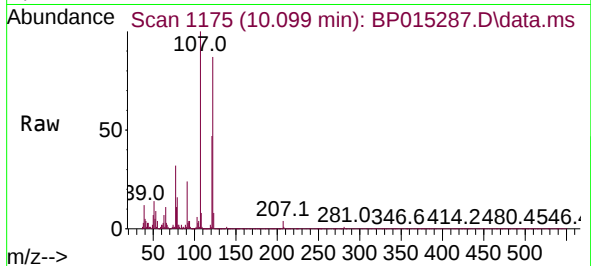
Tgt Ion:139 Resp: 29485
Ion Ratio Lower Upper
139 100
109 31.2 28.4 42.6
65 58.5 43.8 65.8





#27
2,4-Dimethylphenol
Concen: 4.705 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

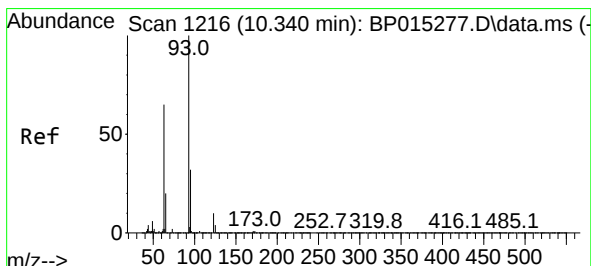
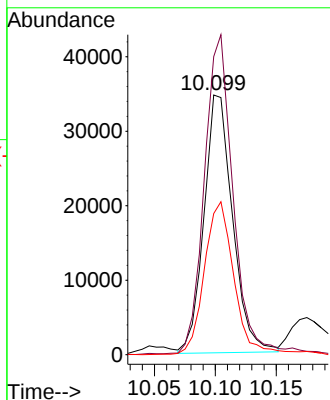
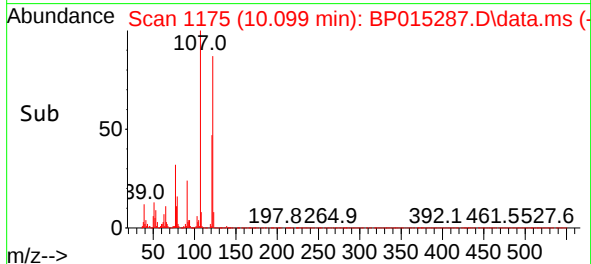
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



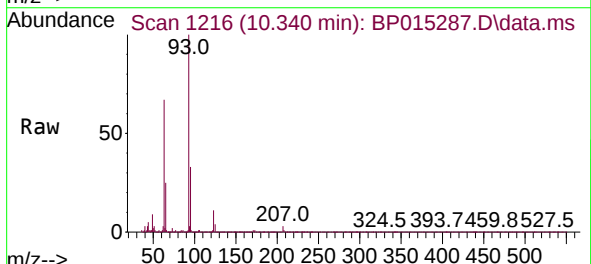
Tgt Ion:122 Resp: 56720
Ion Ratio Lower Upper
122 100
107 114.8 95.9 143.9
121 54.3 45.8 68.8

Manual Integrations
APPROVED

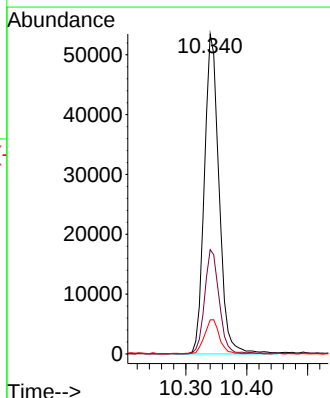
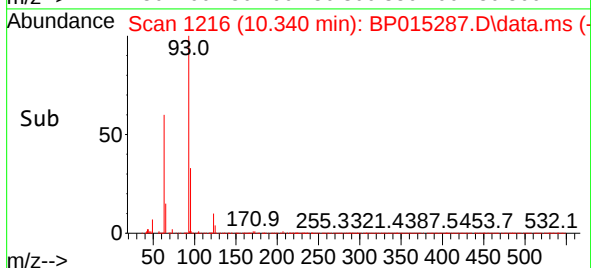
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

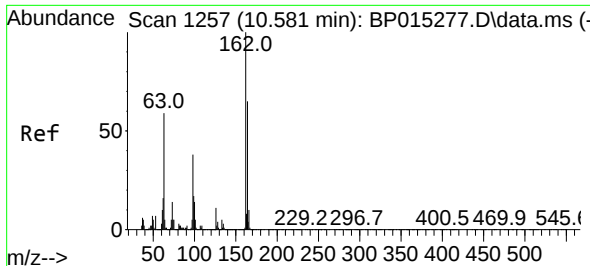


#28
bis(2-Chloroethoxy)methane
Concen: 4.932 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



Tgt Ion: 93 Resp: 89750
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 10.6 8.4 12.6





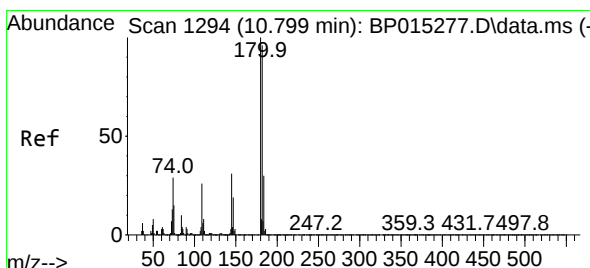
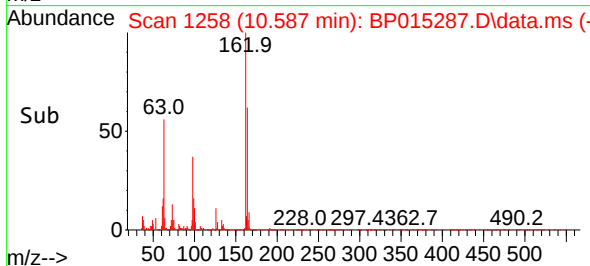
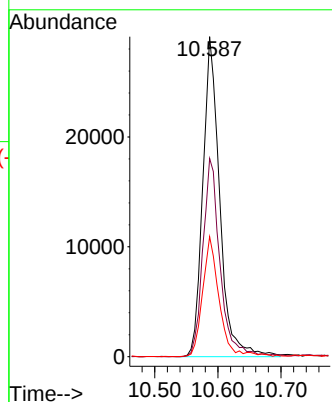
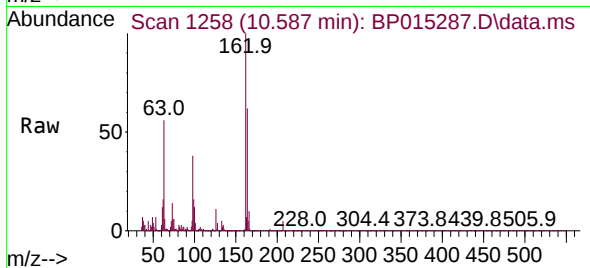
#29
2,4-Dichlorophenol
Concen: 4.341 ng
RT: 10.587 min Scan# 1257
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.9	45.4	85.4
98	37.5	17.9	57.9

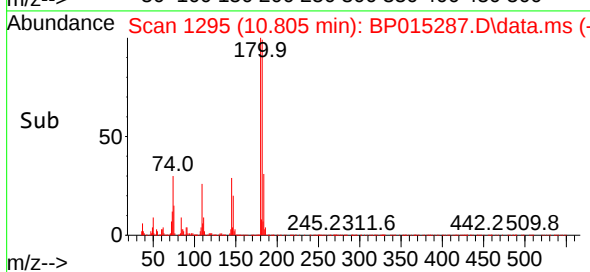
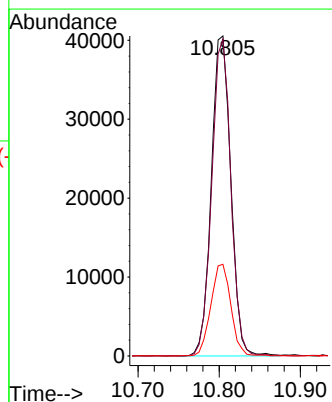
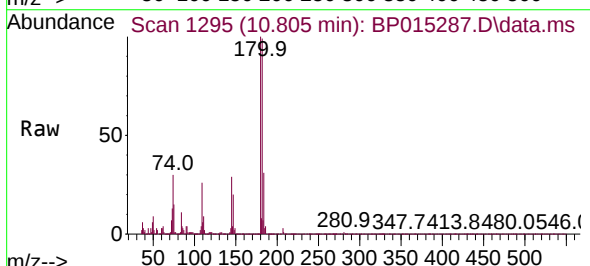
Manual Integrations
APPROVED

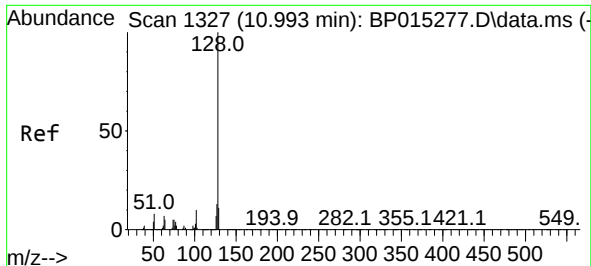
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#30
1,2,4-Trichlorobenzene
Concen: 4.852 ng
RT: 10.805 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

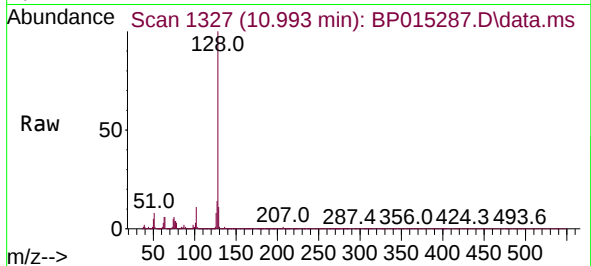
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	76.6	115.0
145	28.7	24.9	37.3





#31
Naphthalene
Concen: 4.834 ng
RT: 10.993 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

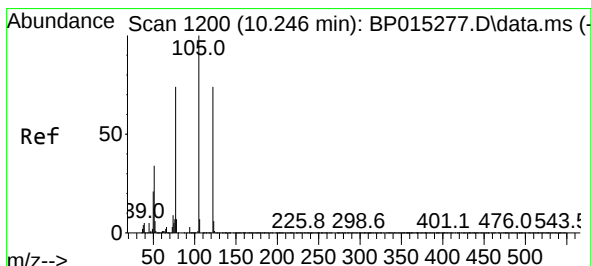
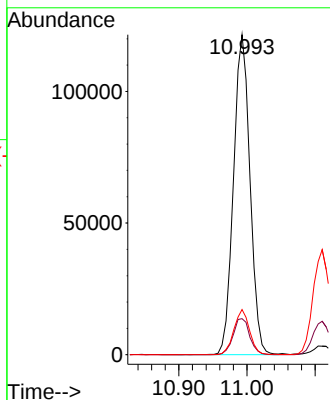
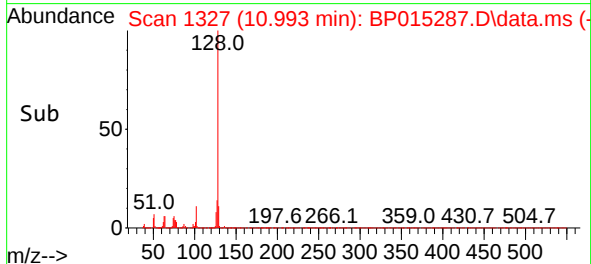
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



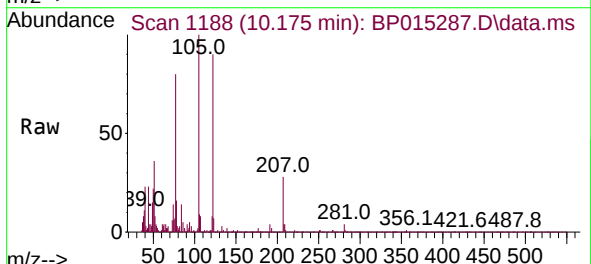
Tgt Ion:128 Resp: 204498
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 14.1 10.4 15.6

Manual Integrations
APPROVED

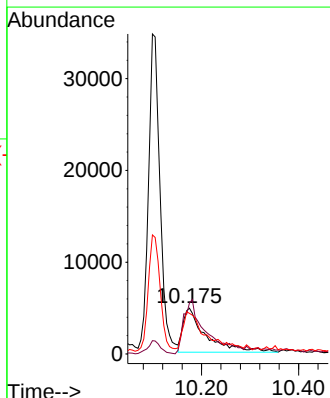
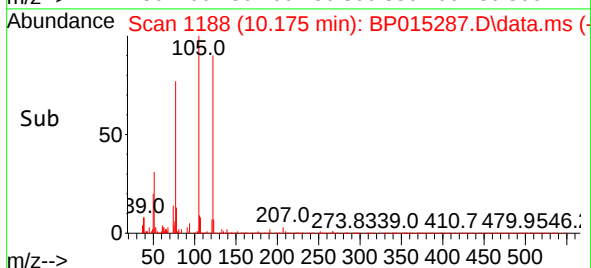
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

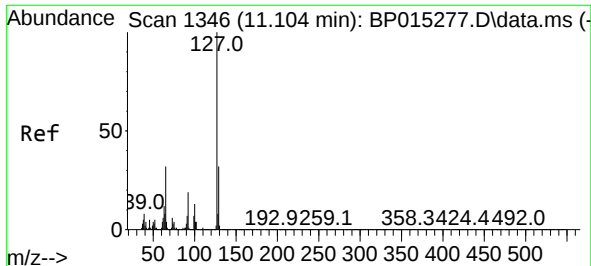


#32
Benzoic acid
Concen: 7.778 ng m
RT: 10.175 min Scan# 1188
Delta R.T. -0.071 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



Tgt Ion:122 Resp: 15793
Ion Ratio Lower Upper
122 100
105 110.9 109.5 149.5
77 89.0 78.2 118.2





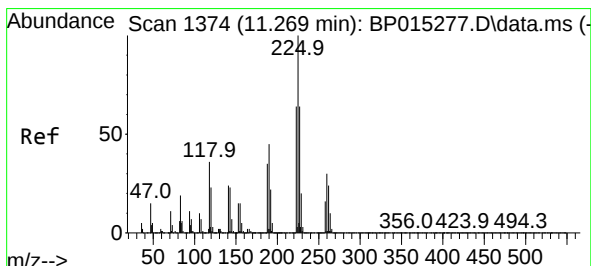
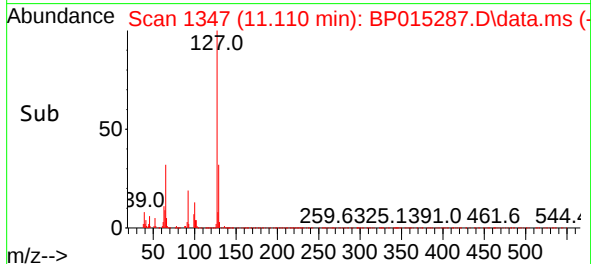
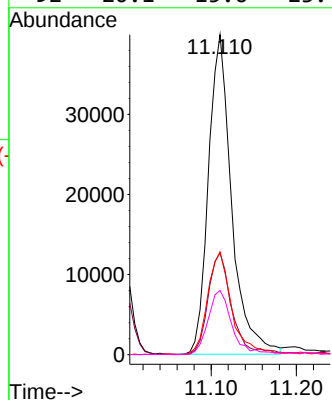
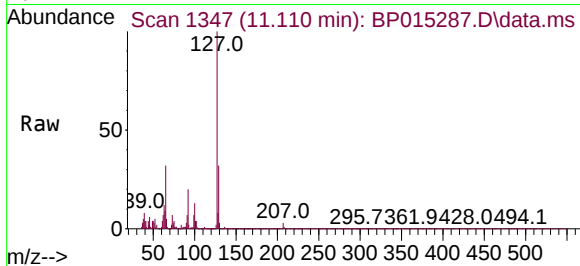
#33
4-Chloroaniline
Concen: 4.321 ng
RT: 11.110 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.5	38.3
65	32.2	25.3	37.9
92	20.1	15.6	23.4

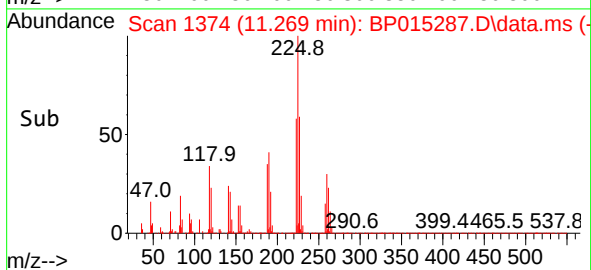
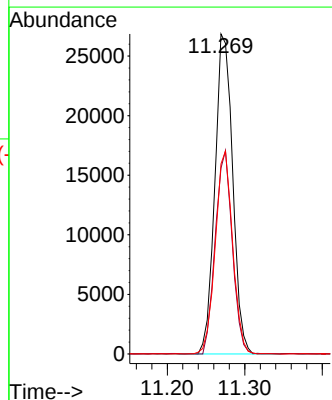
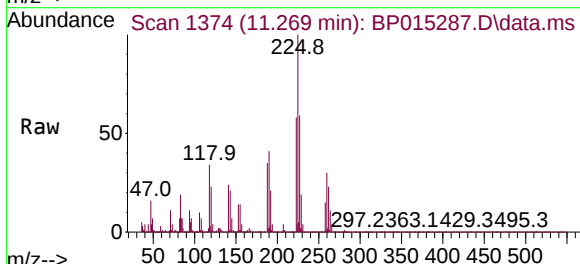
Manual Integrations
APPROVED

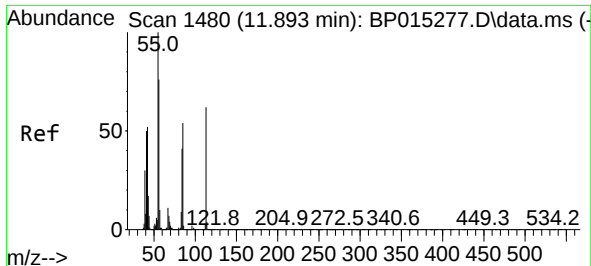
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#34
Hexachlorobutadiene
Concen: 4.833 ng
RT: 11.269 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

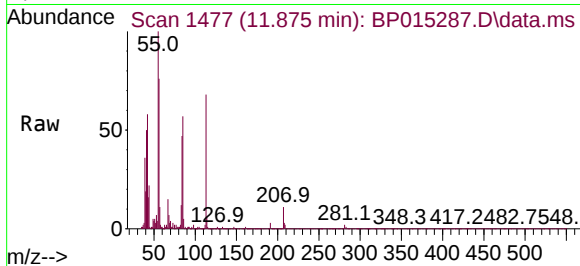
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.1	51.0	76.4
227	59.4	51.4	77.2





#35
Caprolactam
Concen: 3.633 ng
RT: 11.875 min Scan# 1480
Delta R.T. -0.018 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

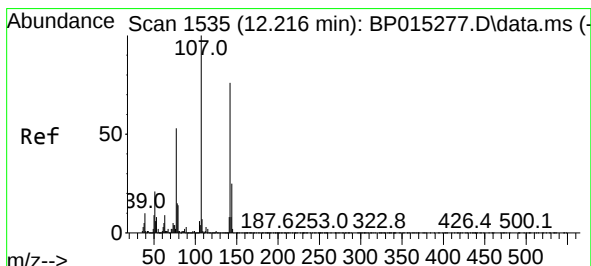
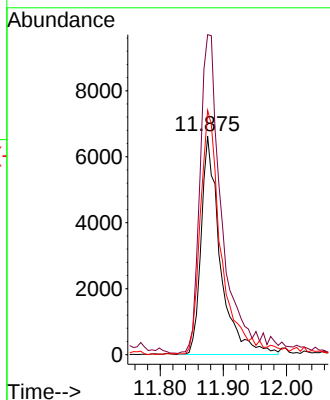
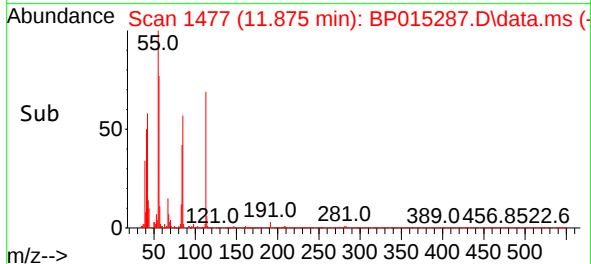
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:113 Resp: 13939
Ion Ratio Lower Upper
113 100
55 146.4 141.4 181.4
56 111.8 102.5 142.5

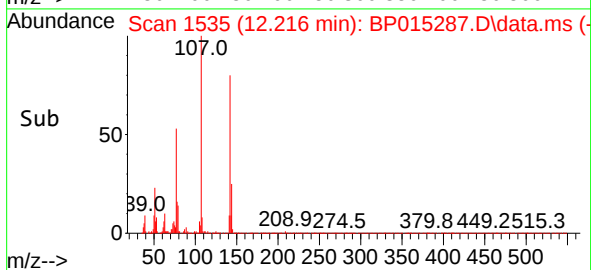
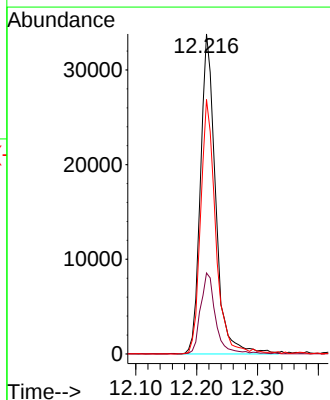
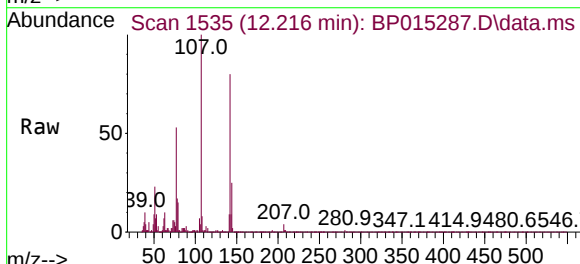
Manual Integrations
APPROVED

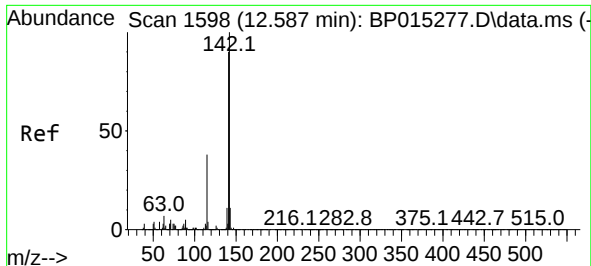
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#36
4-Chloro-3-methylphenol
Concen: 4.318 ng
RT: 12.216 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:107 Resp: 58680
Ion Ratio Lower Upper
107 100
144 25.3 19.8 29.6
142 79.5 61.0 91.4





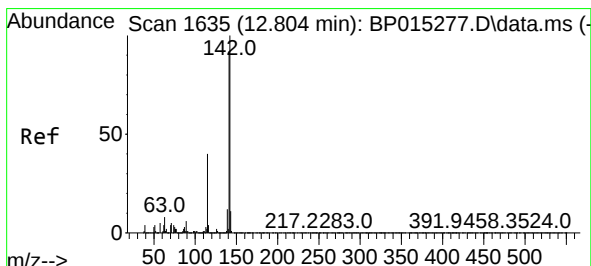
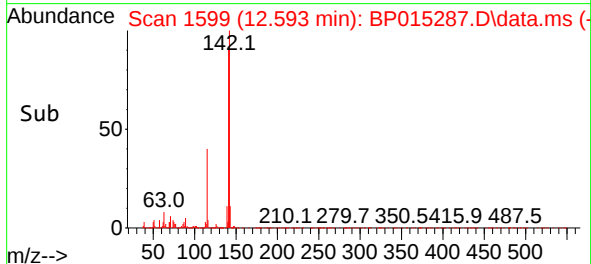
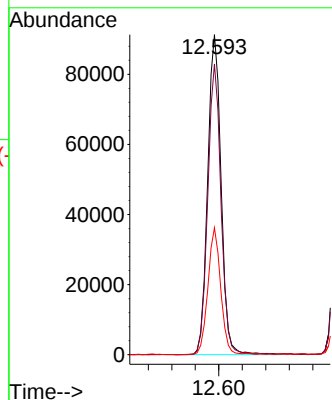
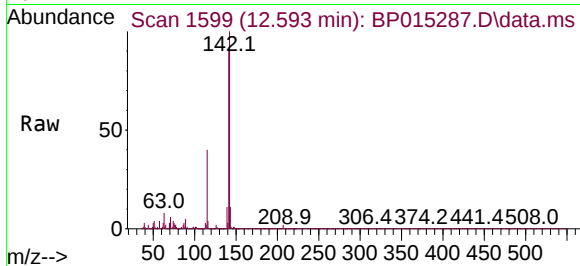
#37
2-Methylnaphthalene
Concen: 4.811 ng
RT: 12.593 min Scan# 1599
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:142 Resp: 144649
Ion Ratio Lower Upper
142 100
141 90.8 72.0 108.0
115 39.6 30.6 46.0

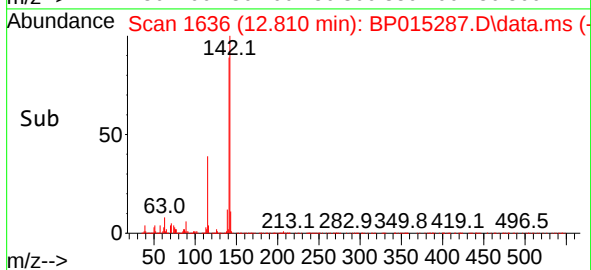
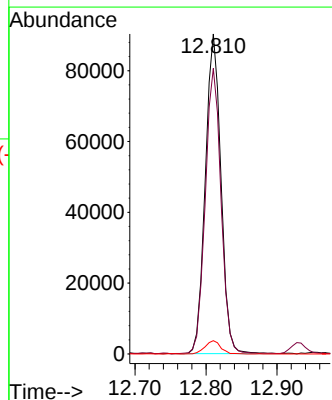
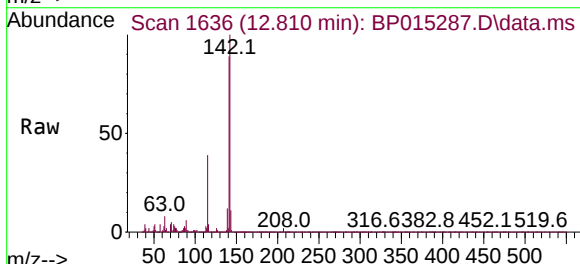
Manual Integrations
APPROVED

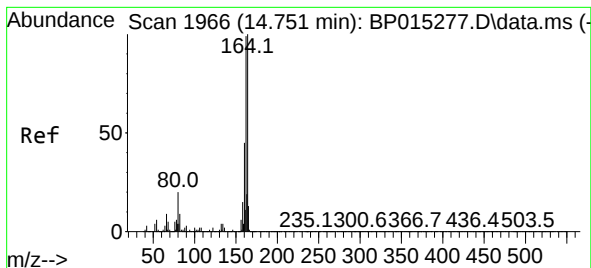
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#38
1-Methylnaphthalene
Concen: 4.915 ng
RT: 12.810 min Scan# 1636
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:142 Resp: 137885
Ion Ratio Lower Upper
142 100
141 89.2 73.8 110.6
116 4.1 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.757 min Scan# 1966

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

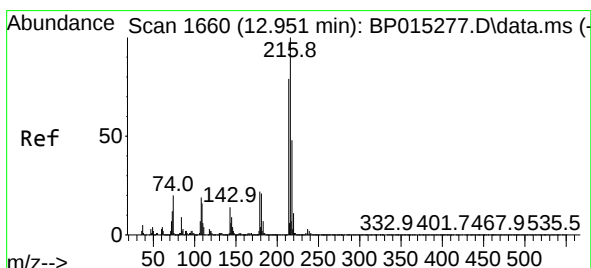
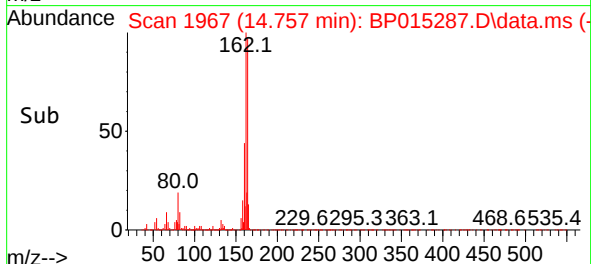
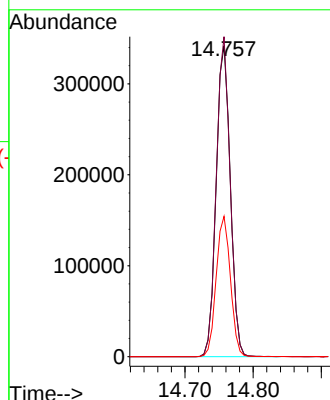
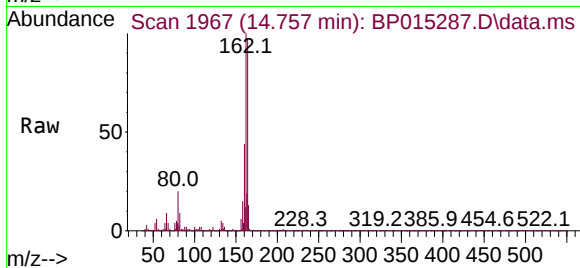
Tgt Ion:164 Resp: 49485

Ion	Ratio	Lower	Upper
164	100		
162	102.9	79.4	119.2
160	45.1	35.6	53.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.544 ng

RT: 12.957 min Scan# 1661

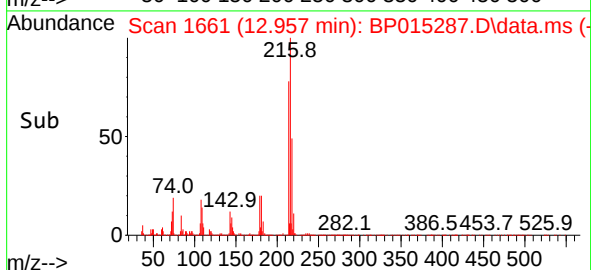
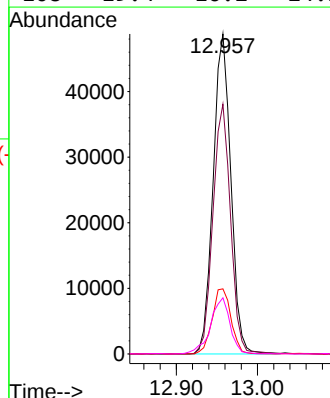
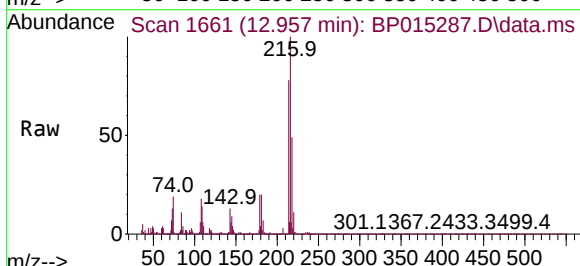
Delta R.T. 0.006 min

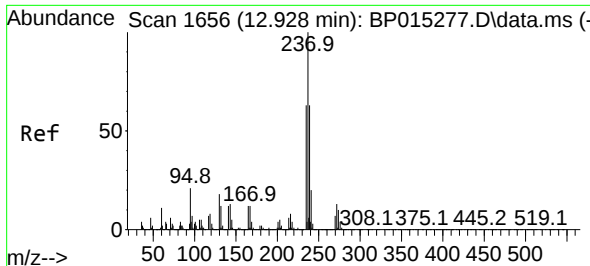
Lab File: BP015287.D

Acq: 25 May 2023 11:56

Tgt Ion:216 Resp: 73788

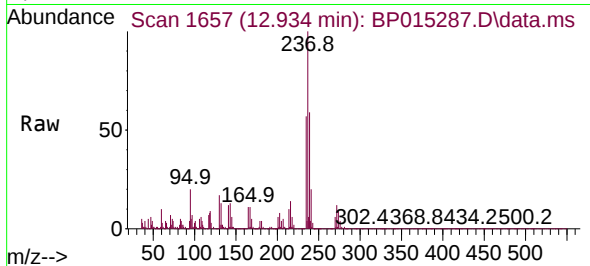
Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.7	17.3	25.9
108	19.4	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 4.405 ng
RT: 12.934 min Scan# 1656
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

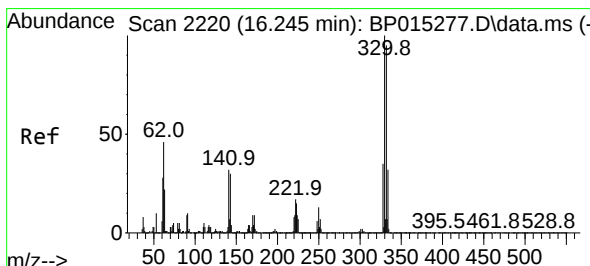
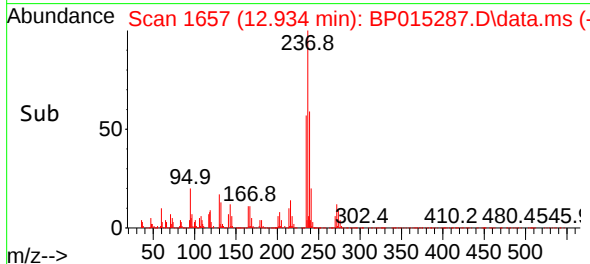
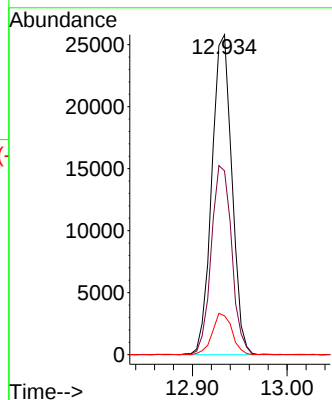
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 237 Resp: 3788
Ion Ratio Lower Upper
237 100
235 57.5 43.2 83.2
272 12.2 0.0 32.7

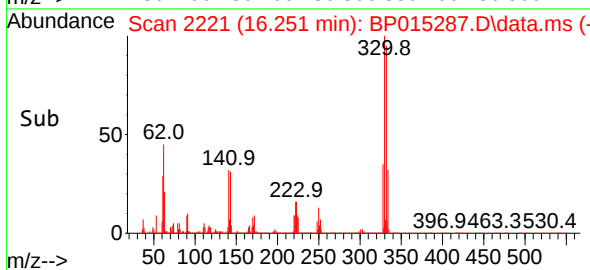
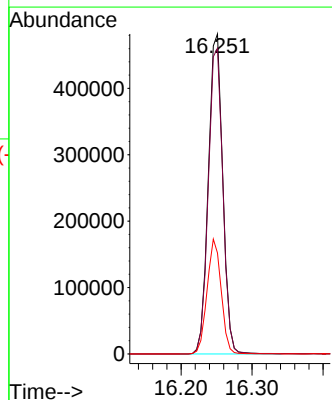
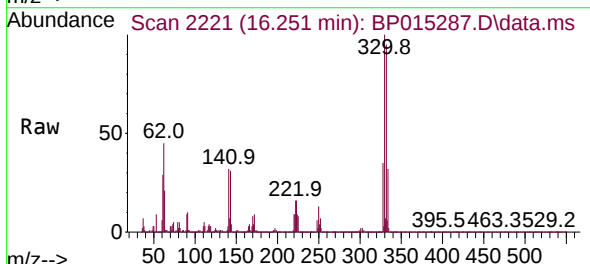
Manual Integrations
APPROVED

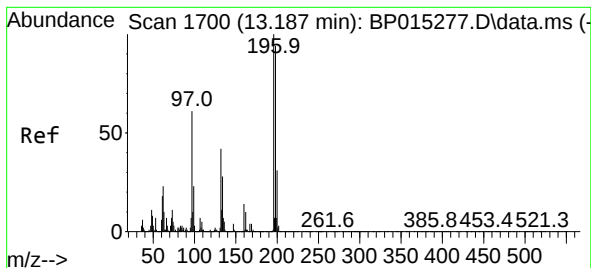
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023



#42
2,4,6-Tribromophenol
Concen: 101.131 ng
RT: 16.251 min Scan# 2221
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion: 330 Resp: 680082
Ion Ratio Lower Upper
330 100
332 96.4 76.3 114.5
141 35.2 27.8 41.8





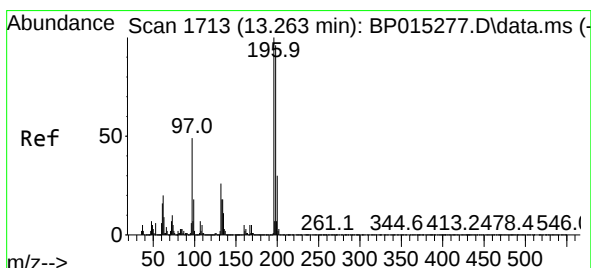
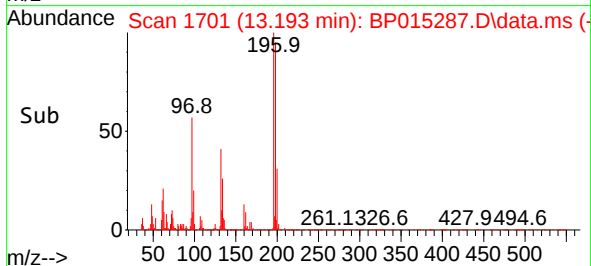
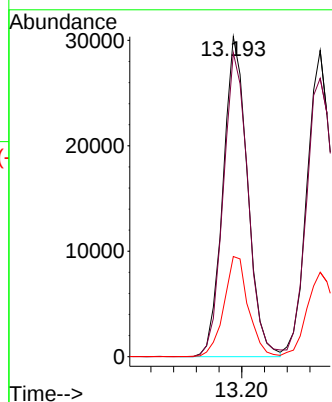
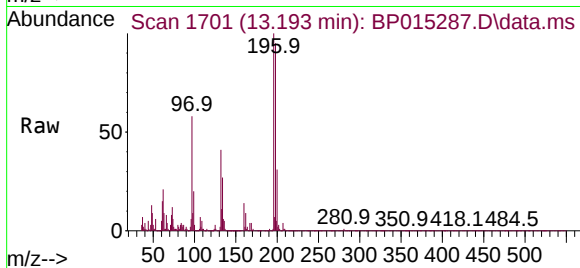
#43
2,4,6-Trichlorophenol
Concen: 4.314 ng
RT: 13.193 min Scan# 1700
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:196 Resp: 4546
Ion Ratio Lower Upper
196 100
198 95.0 75.0 112.4
200 31.3 24.4 36.6

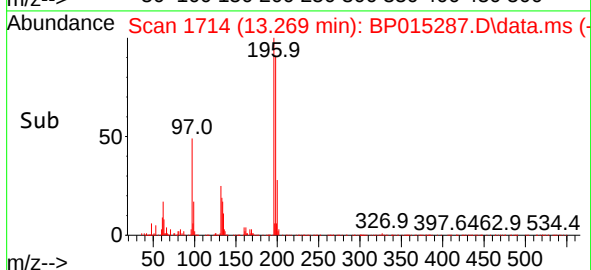
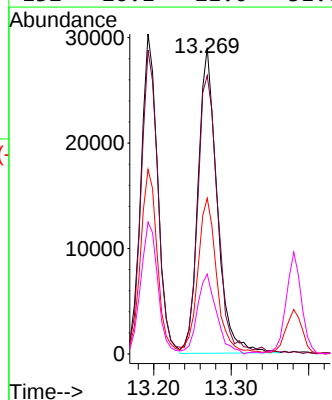
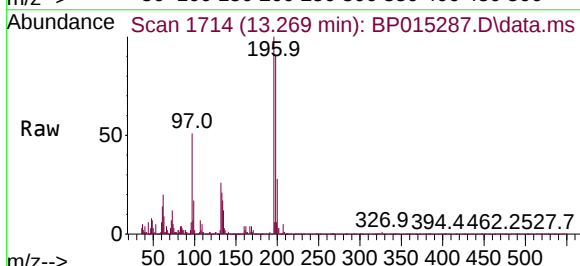
Manual Integrations
APPROVED

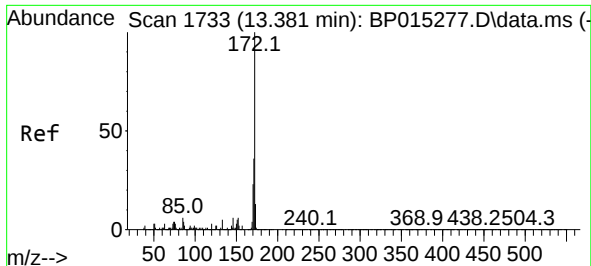
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#44
2,4,5-Trichlorophenol
Concen: 3.979 ng
RT: 13.269 min Scan# 1714
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:196 Resp: 49298
Ion Ratio Lower Upper
196 100
198 90.9 76.8 115.2
97 50.8 39.3 58.9
132 26.1 21.0 31.6





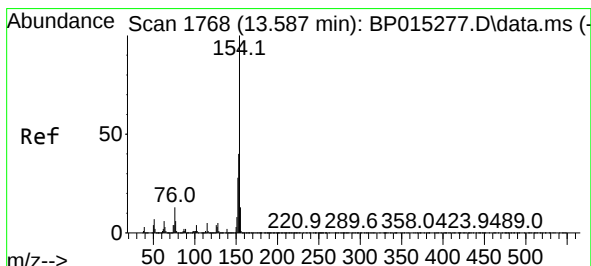
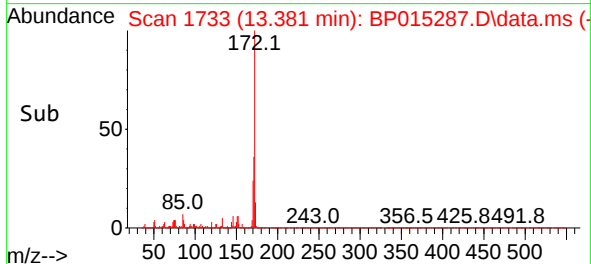
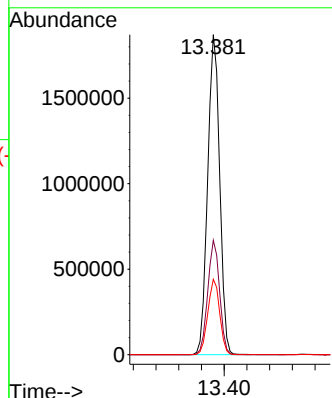
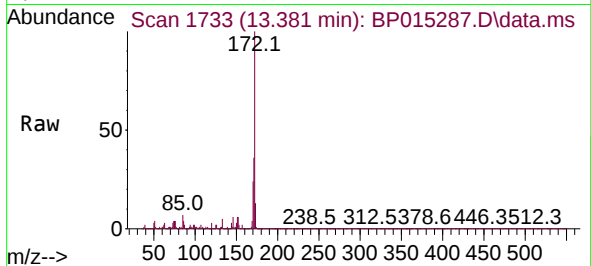
#45
2-Fluorobiphenyl
Concen: 74.023 ng
RT: 13.381 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:172 Resp: 272844
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.5 18.7 28.1

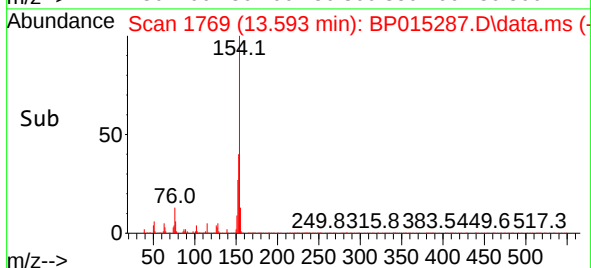
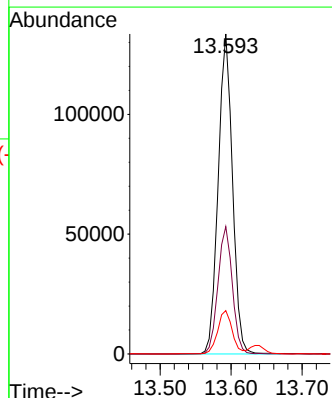
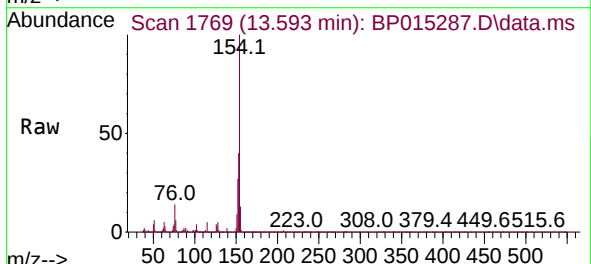
Manual Integrations
APPROVED

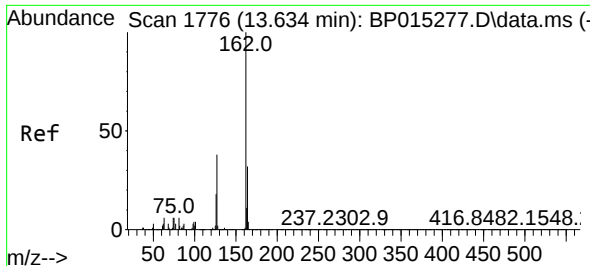
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#46
1,1'-Biphenyl
Concen: 4.737 ng
RT: 13.593 min Scan# 1769
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

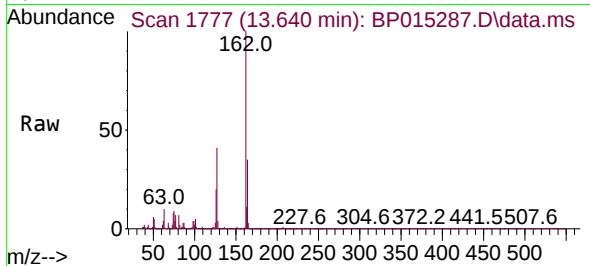
Tgt Ion:154 Resp: 185748
Ion Ratio Lower Upper
154 100
153 39.8 20.3 60.3
76 13.5 0.0 33.1





#47
2-Chloronaphthalene
Concen: 4.906 ng
RT: 13.640 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

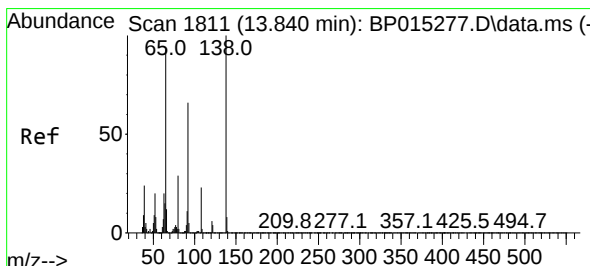
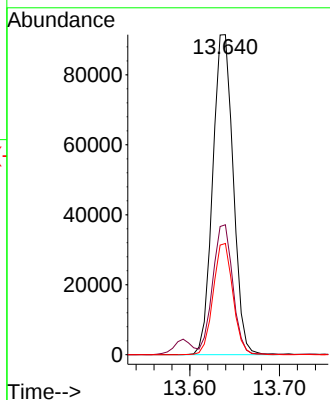
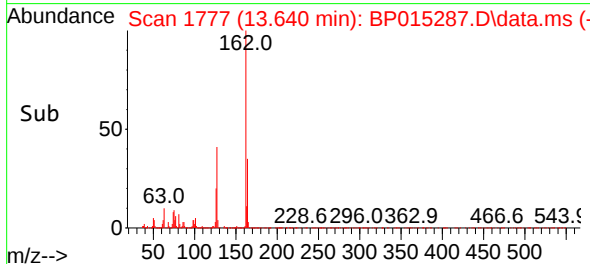
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:162 Resp: 14512
Ion Ratio Lower Upper
162 100
127 40.6 31.7 47.5
164 34.7 25.8 38.8

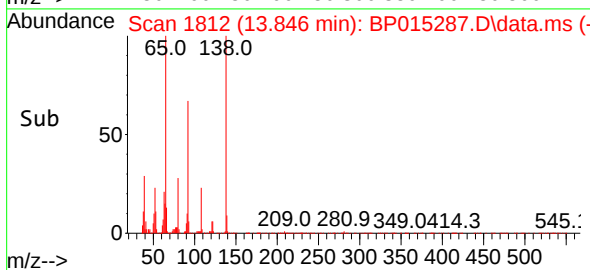
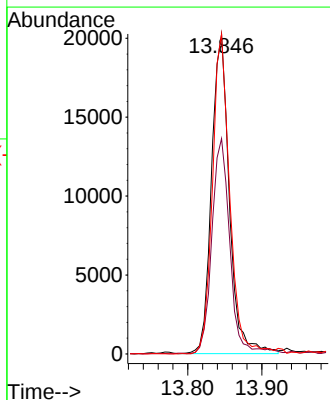
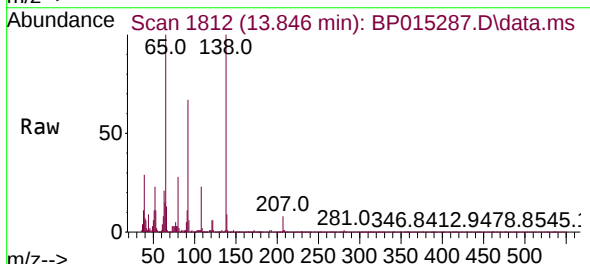
Manual Integrations
APPROVED

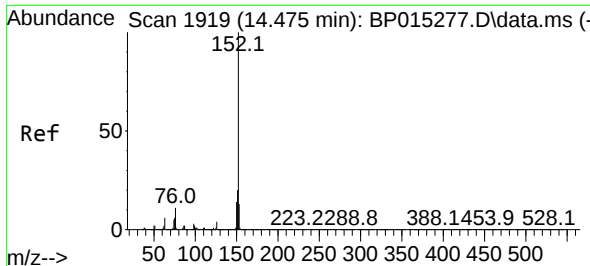
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#48
2-Nitroaniline
Concen: 3.723 ng
RT: 13.846 min Scan# 1812
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

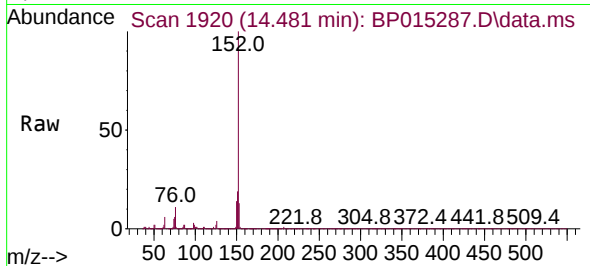
Tgt Ion: 65 Resp: 33636
Ion Ratio Lower Upper
65 100
92 67.3 56.5 84.7
138 100.1 85.7 128.5





#49
Acenaphthylene
Concen: 4.649 ng
RT: 14.481 min Scan# 1919
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

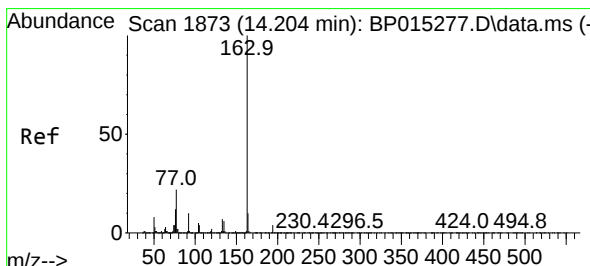
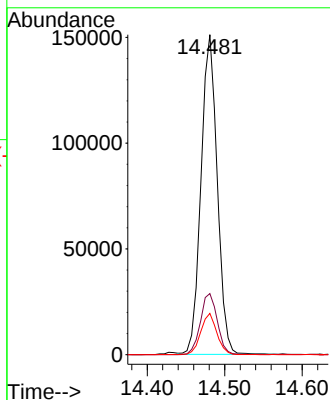
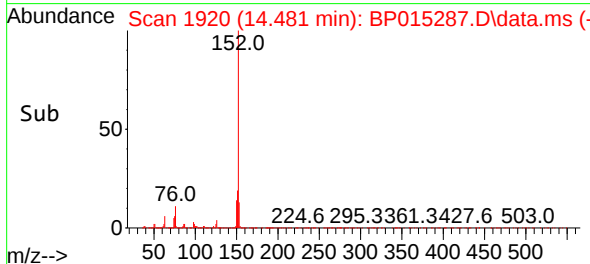
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



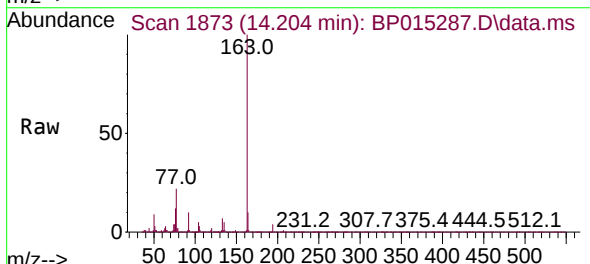
Tgt Ion:152 Resp: 220040
Ion Ratio Lower Upper
152 100
151 19.1 16.0 24.0
153 12.9 10.6 16.0

Manual Integrations
APPROVED

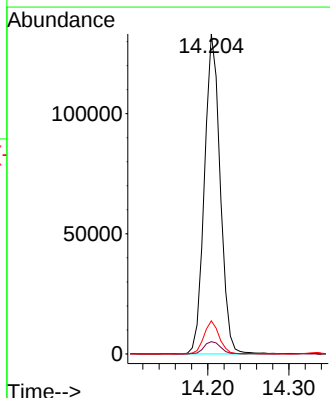
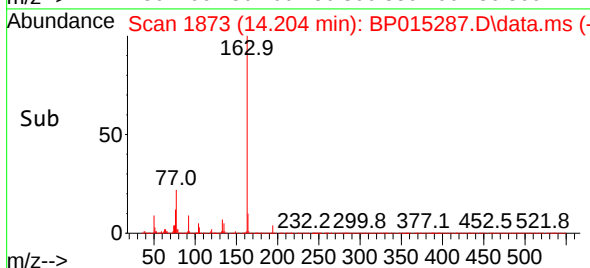
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

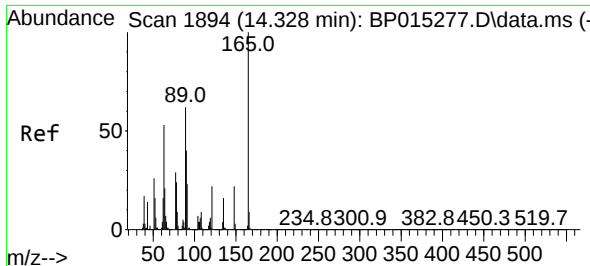


#50
Dimethylphthalate
Concen: 4.623 ng
RT: 14.204 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



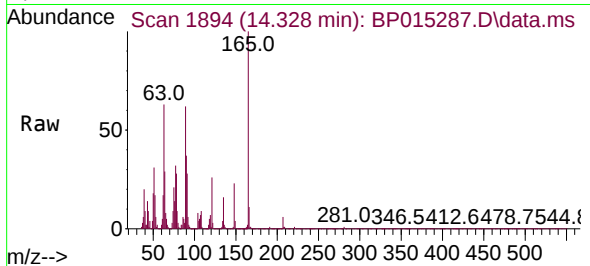
Tgt Ion:163 Resp: 178978
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.3 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 4.166 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

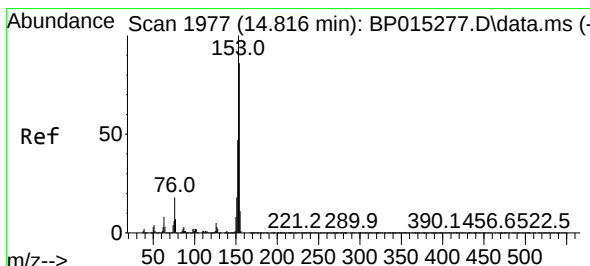
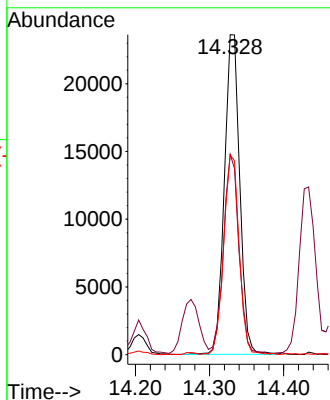
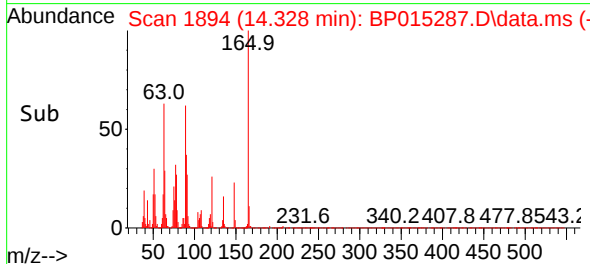
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 3405
Ion Ratio Lower Upper
165 100
63 62.6 46.6 70.0
89 62.4 49.7 74.5

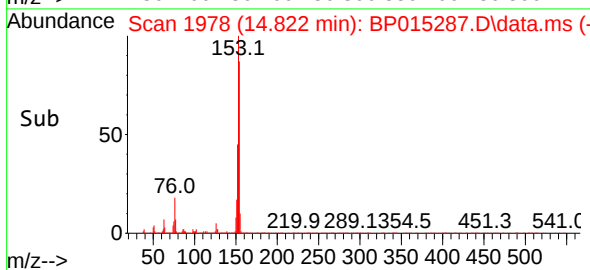
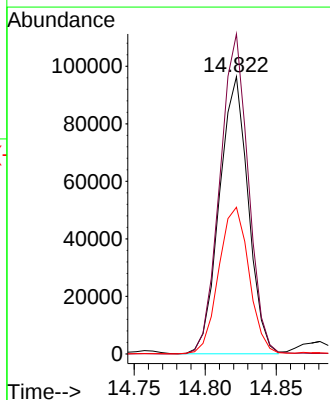
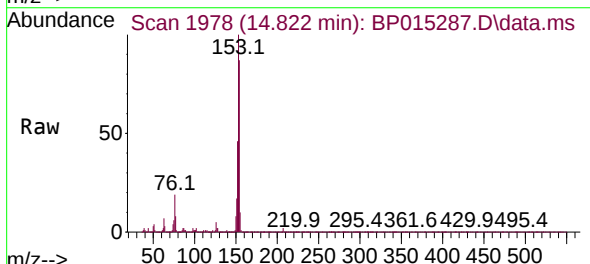
Manual Integrations
APPROVED

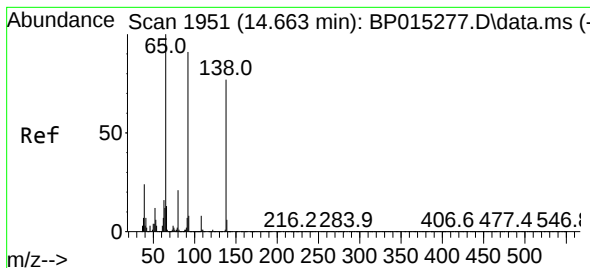
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#52
Acenaphthene
Concen: 4.823 ng
RT: 14.822 min Scan# 1978
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:154 Resp: 135955
Ion Ratio Lower Upper
154 100
153 115.4 92.8 139.2
152 52.9 44.0 66.0





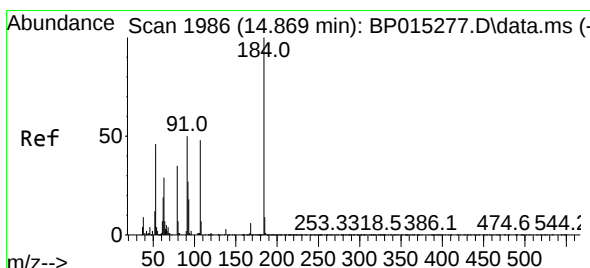
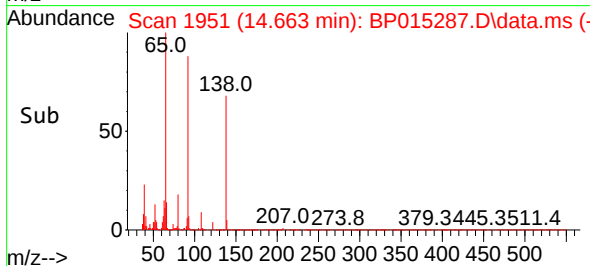
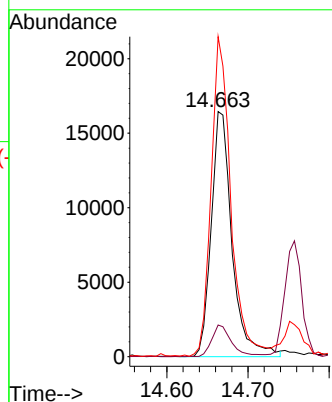
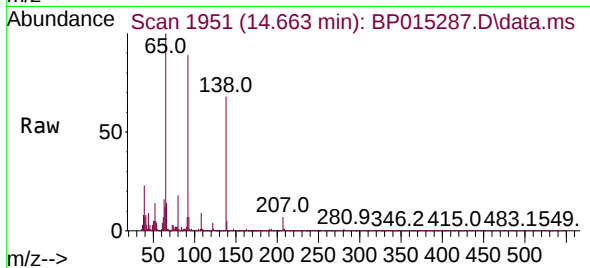
#53
3-Nitroaniline
Concen: 3.508 ng
RT: 14.663 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:138 Resp: 29309
Ion Ratio Lower Upper
138 100
108 12.9 8.6 13.0
92 130.5 94.0 141.0

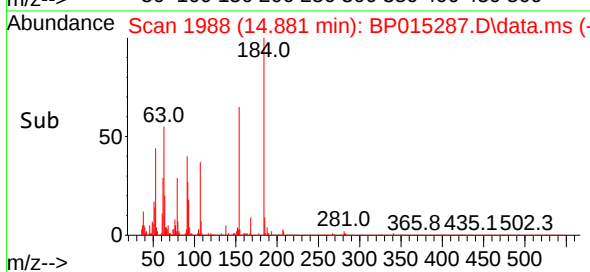
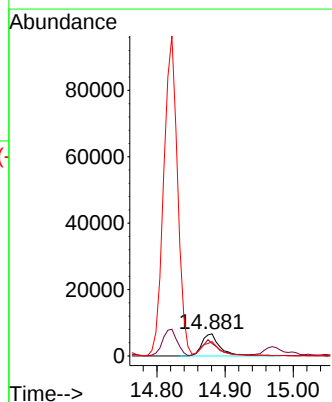
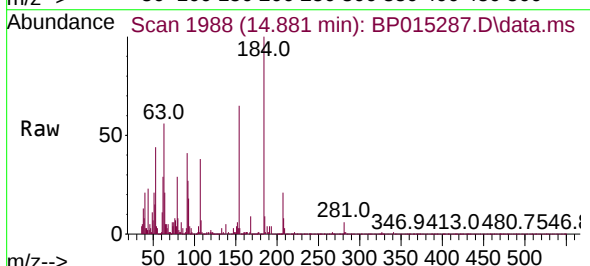
Manual Integrations
APPROVED

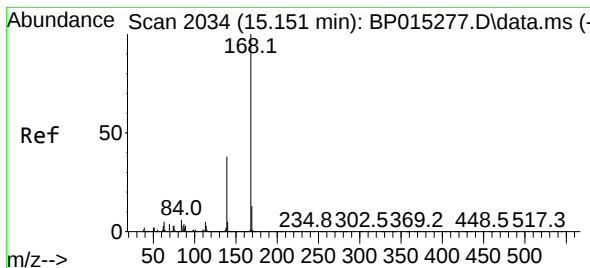
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#54
2,4-Dinitrophenol
Concen: 7.330 ng
RT: 14.881 min Scan# 1988
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:184 Resp: 12604
Ion Ratio Lower Upper
184 100
63 56.3 56.2 84.4
154 64.9 53.2 79.8





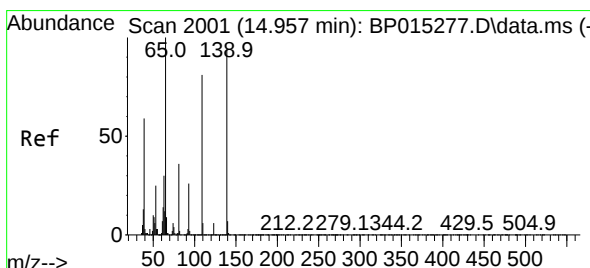
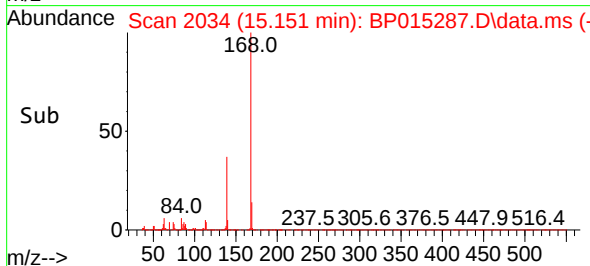
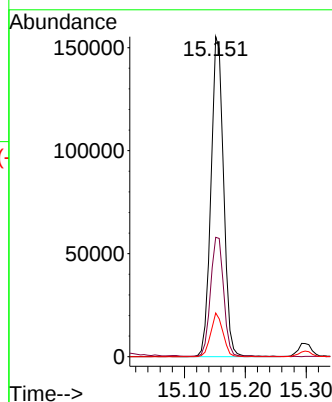
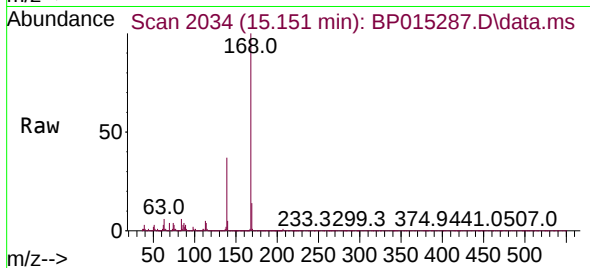
#55
Dibenzenofuran
Concen: 4.845 ng
RT: 15.151 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:168 Resp: 223430
Ion Ratio Lower Upper
168 100
139 37.3 30.1 45.1
169 13.7 10.6 15.8

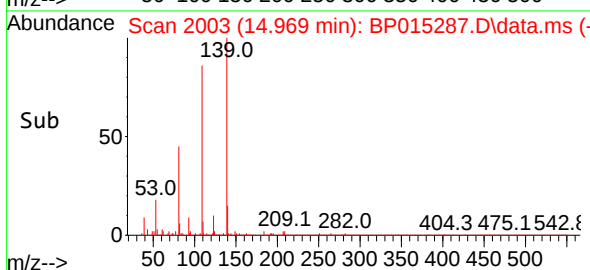
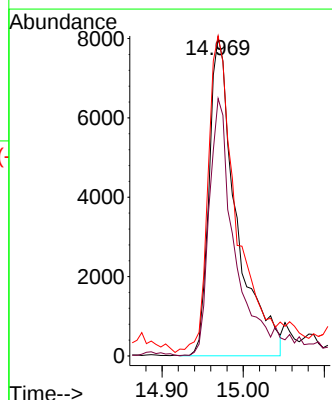
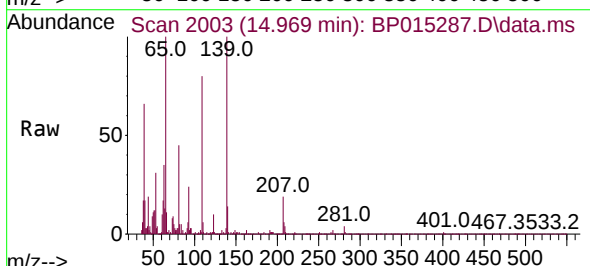
Manual Integrations
APPROVED

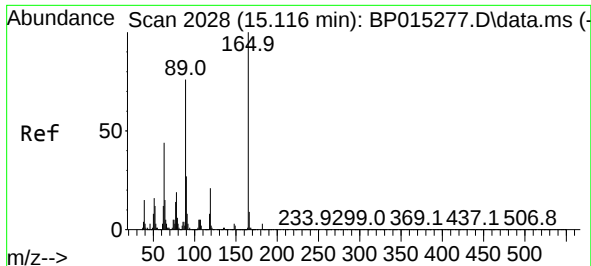
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#56
4-Nitrophenol
Concen: 5.862 ng
RT: 14.969 min Scan# 2003
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

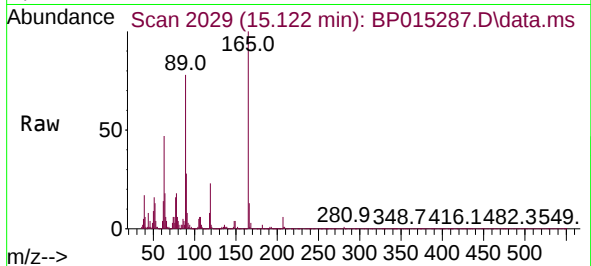
Tgt Ion:139 Resp: 18654
Ion Ratio Lower Upper
139 100
109 80.8 66.5 106.5
65 100.4 86.6 126.6





#57
2,4-Dinitrotoluene
Concen: 3.747 ng
RT: 15.122 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

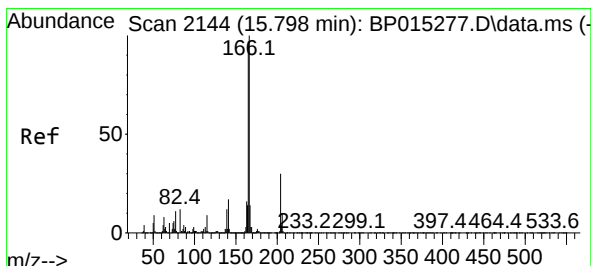
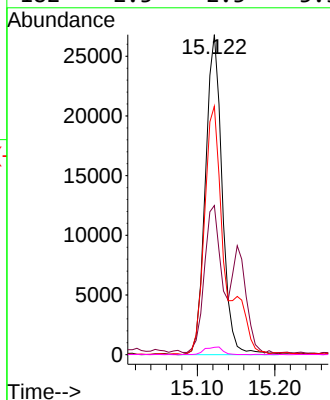
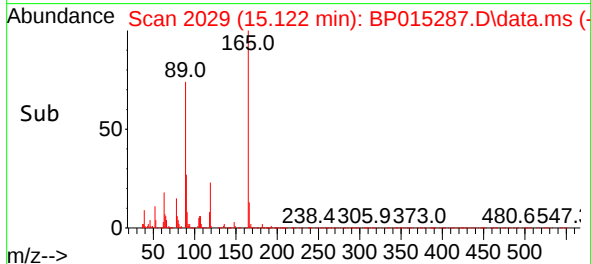
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 40270
Ion Ratio Lower Upper
165 100
63 46.6 35.7 53.5
89 77.6 60.8 91.2
182 2.3 2.3 3.5#

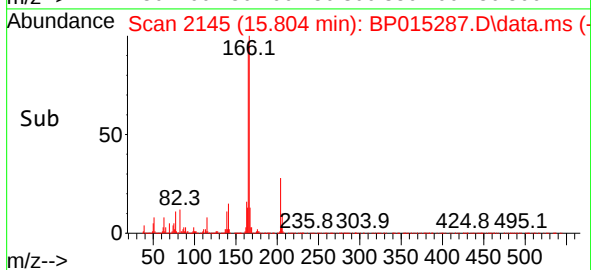
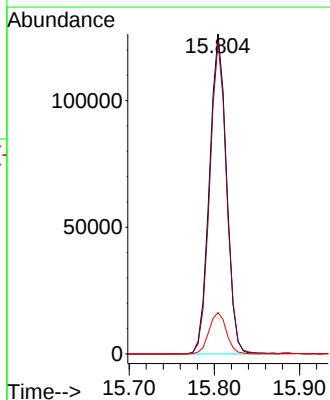
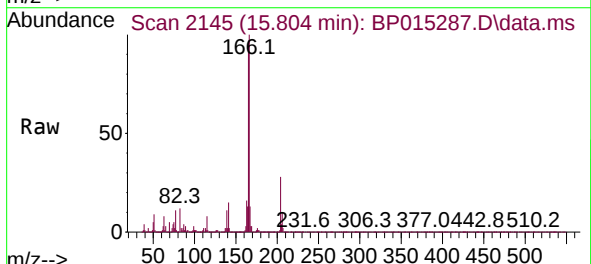
Manual Integrations
APPROVED

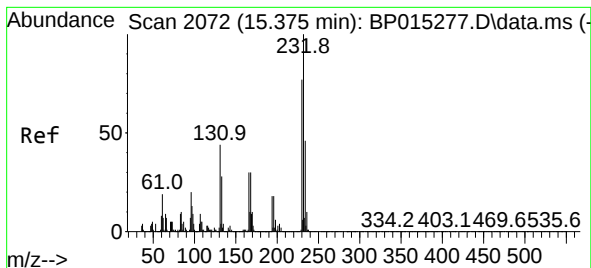
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#58
Fluorene
Concen: 4.934 ng
RT: 15.804 min Scan# 2145
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:166 Resp: 175734
Ion Ratio Lower Upper
166 100
165 97.5 77.5 116.3
167 13.0 10.9 16.3





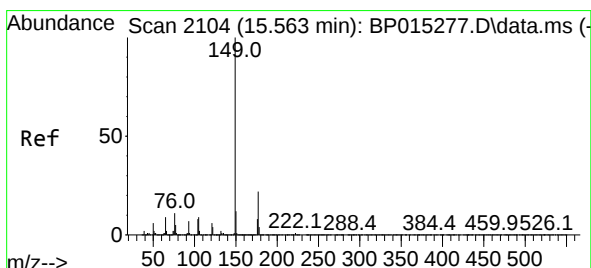
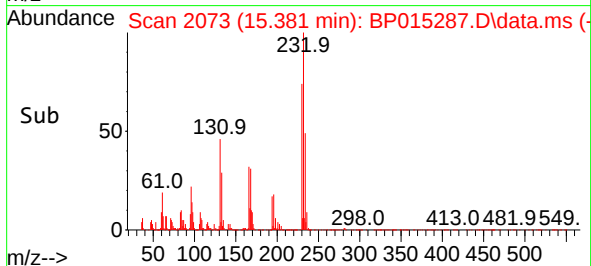
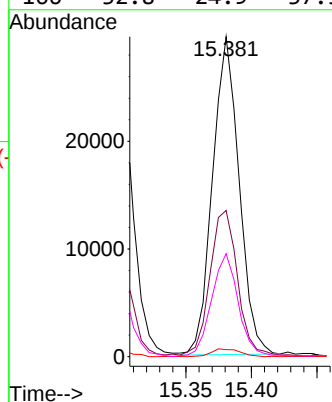
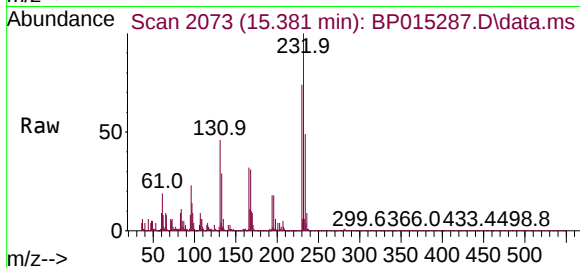
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.192 ng
RT: 15.381 min Scan# 2073
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:232 Resp: 41539
Ion Ratio Lower Upper
232 100
131 48.4 36.2 54.2
130 2.8 2.0 3.0
166 32.8 24.9 37.3

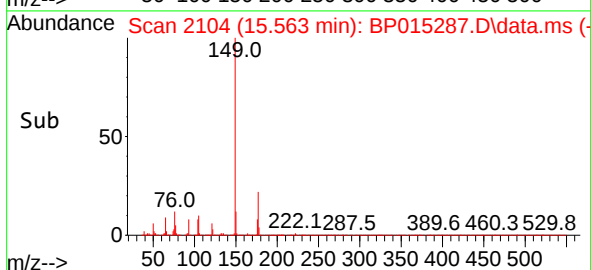
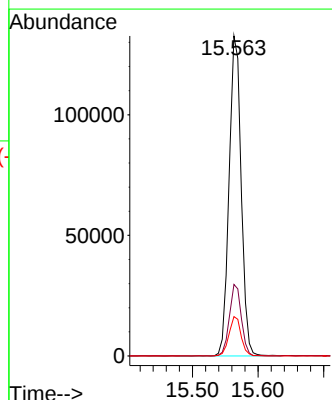
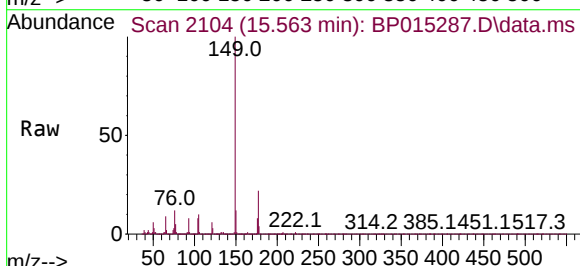
Manual Integrations
APPROVED

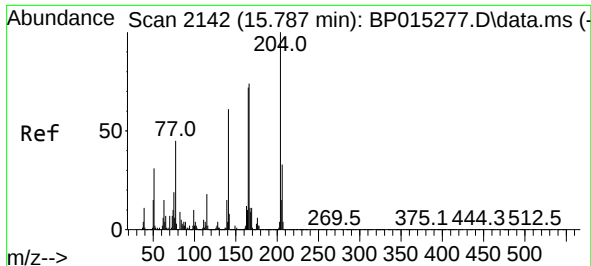
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#60
Diethylphthalate
Concen: 4.392 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

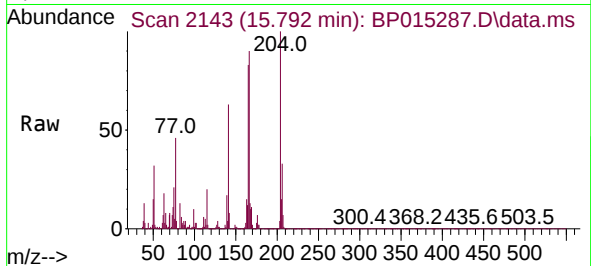
Tgt Ion:149 Resp: 169376
Ion Ratio Lower Upper
149 100
177 22.4 17.7 26.5
150 12.3 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 4.797 ng
RT: 15.792 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

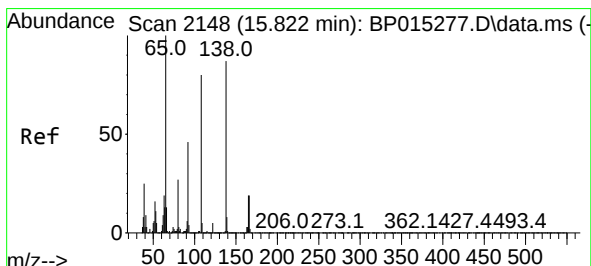
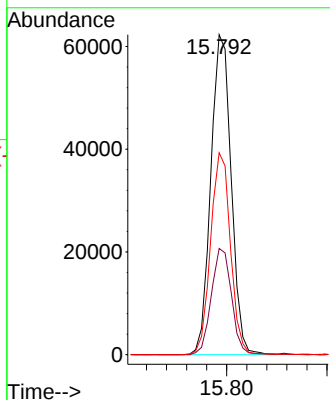
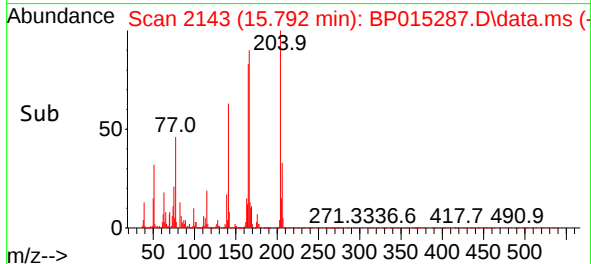
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



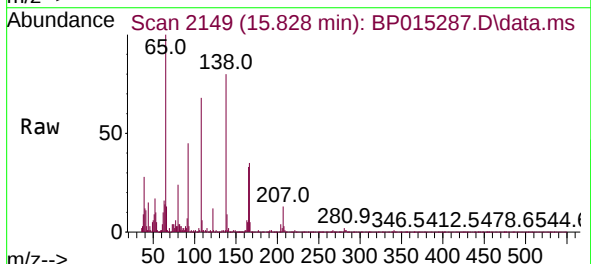
Tgt Ion:204 Resp: 8746
Ion Ratio Lower Upper
204 100
206 33.2 26.4 39.6
141 63.1 49.0 73.4

Manual Integrations
APPROVED

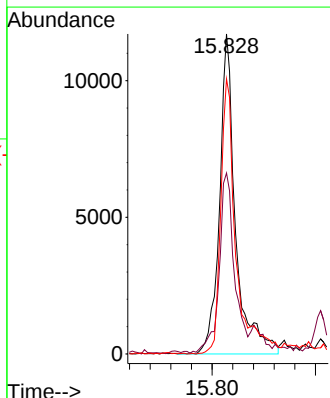
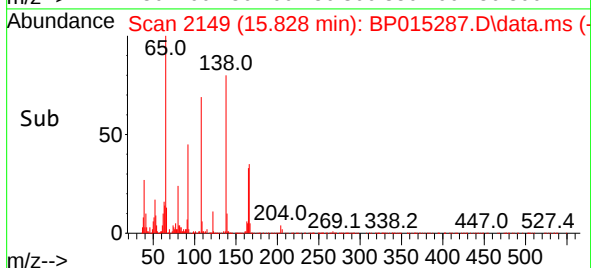
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

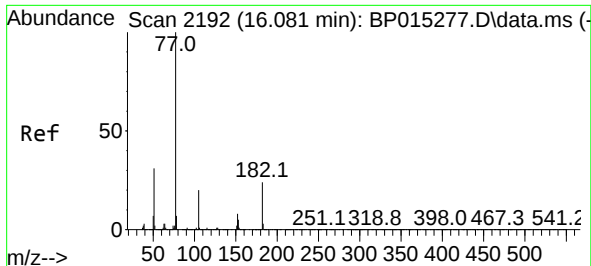


#62
4-Nitroaniline
Concen: 4.986 ng
RT: 15.828 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56



Tgt Ion:138 Resp: 25292
Ion Ratio Lower Upper
138 100
92 56.6 33.1 73.1
108 85.9 71.0 111.0





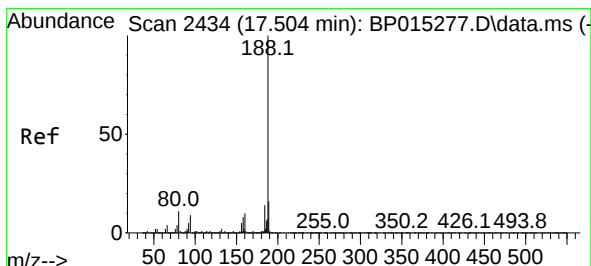
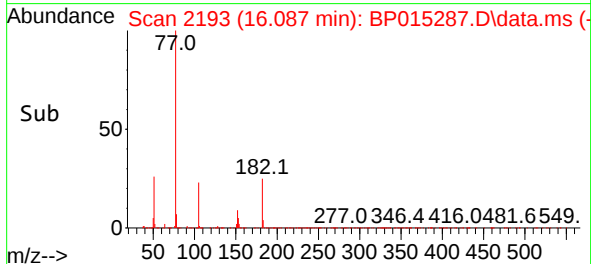
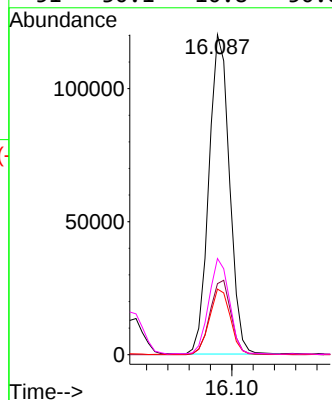
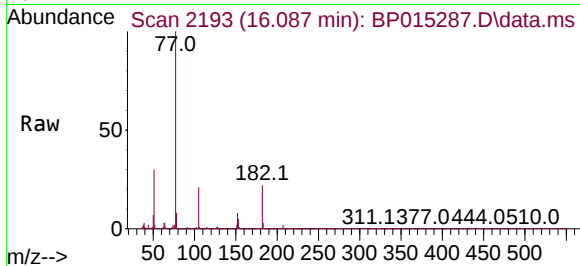
#63
Azobenzene
Concen: 4.393 ng
RT: 16.087 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 77	Resp: 161638
Ion Ratio	Lower Upper
77 100	
182 22.2	3.9 43.9
105 20.5	0.3 40.3
51 30.1	10.8 50.8

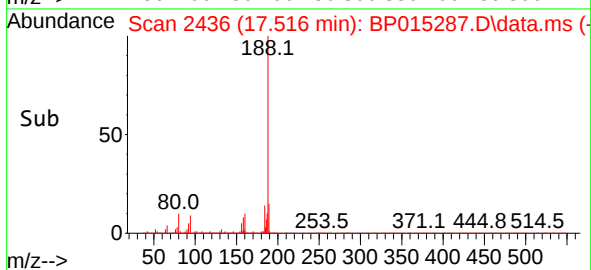
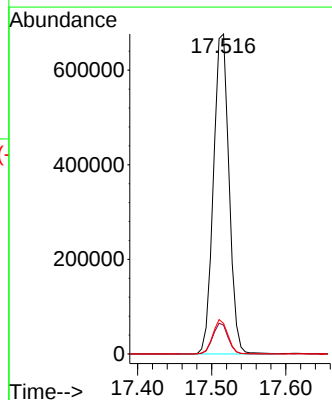
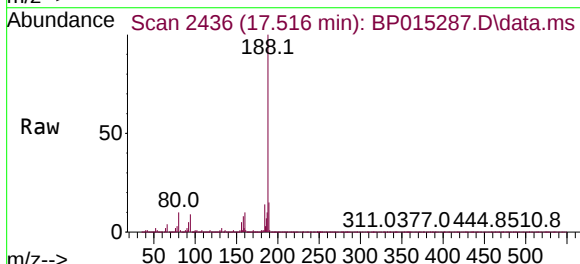
Manual Integrations
APPROVED

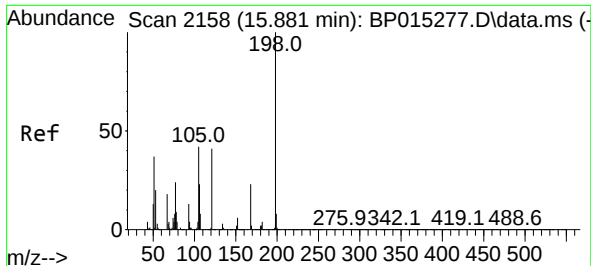
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.516 min Scan# 2436
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:188	Resp: 987421
Ion Ratio	Lower Upper
188 100	
94 9.0	7.4 11.0
80 9.6	8.6 13.0





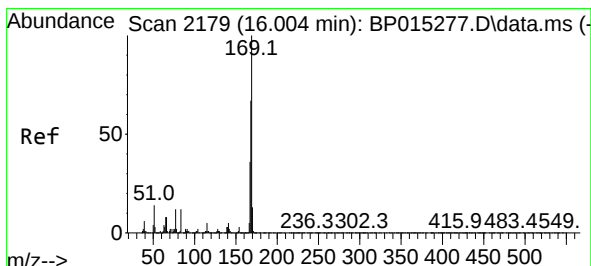
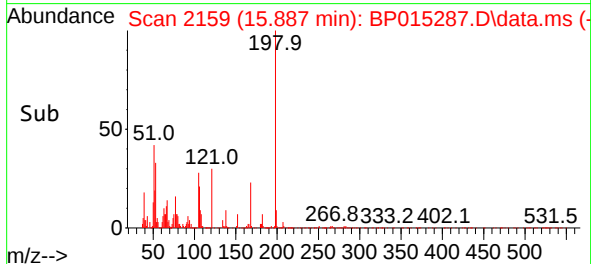
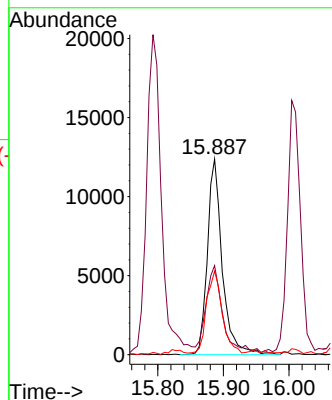
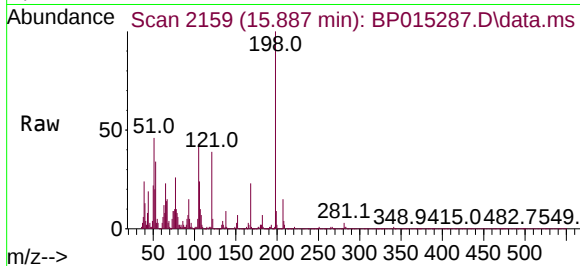
#65
4,6-Dinitro-2-methylphenol
Concen: 3.255 ng
RT: 15.887 min Scan# 2158
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:198 Resp: 19524
Ion Ratio Lower Upper
198 100
51 45.6 25.4 65.4
105 42.7 23.3 63.3

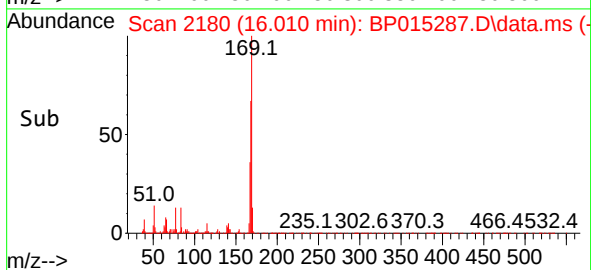
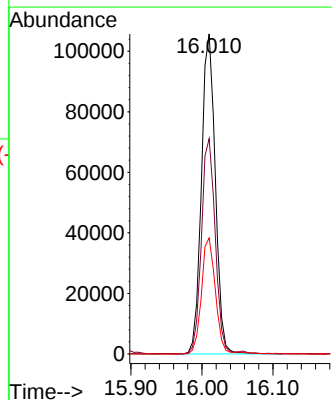
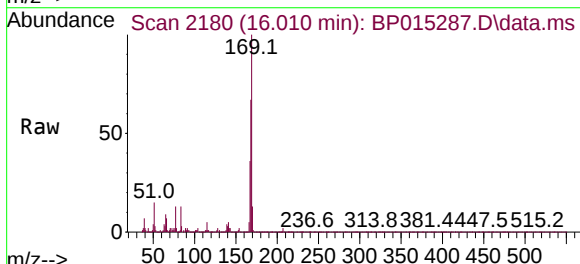
Manual Integrations
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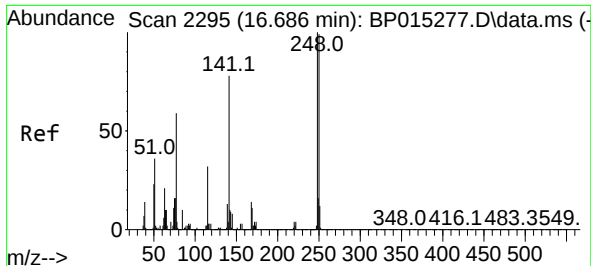
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#66
n-Nitrosodiphenylamine
Concen: 4.888 ng
RT: 16.010 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:169 Resp: 143823
Ion Ratio Lower Upper
169 100
168 67.3 53.4 80.2
167 36.2 29.0 43.6





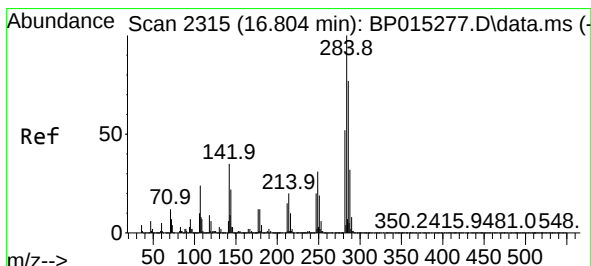
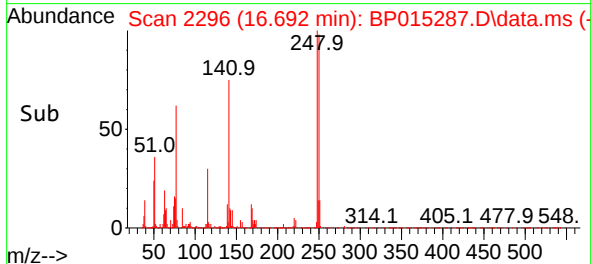
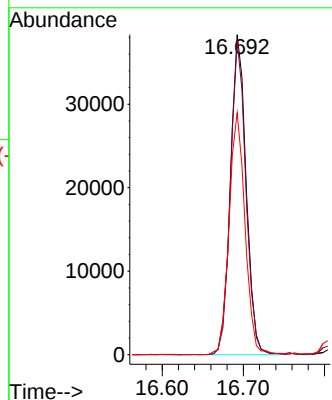
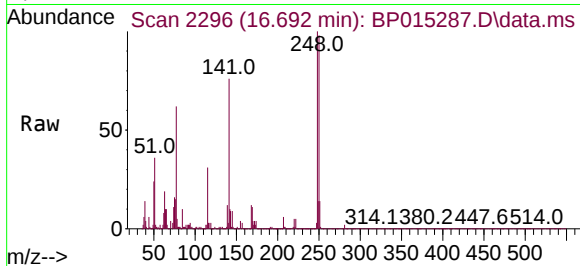
#67
4-Bromophenyl-phenylether
Concen: 4.824 ng
RT: 16.692 min Scan# 2150
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:248 Resp: 51508
Ion Ratio Lower Upper
248 100
250 98.1 79.0 118.4
141 75.6 62.4 93.6

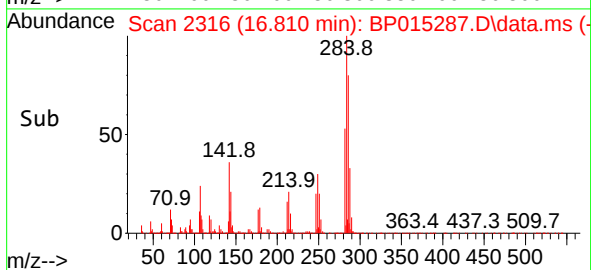
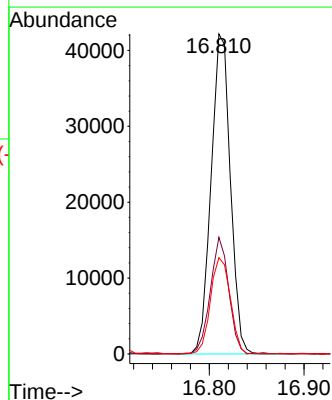
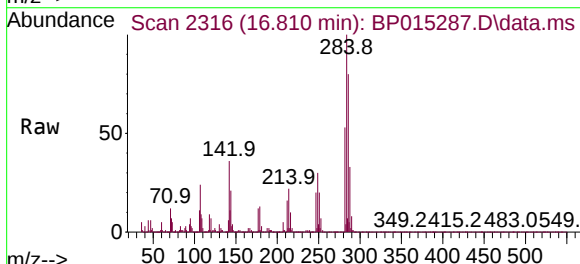
Manual Integrations
APPROVED

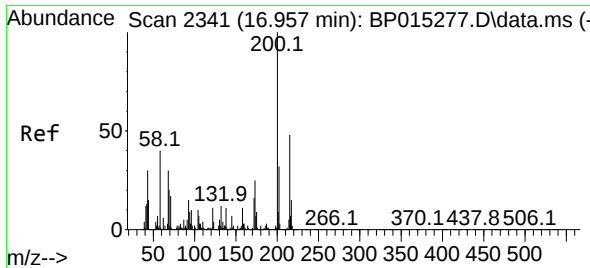
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#68
Hexachlorobenzene
Concen: 5.071 ng
RT: 16.810 min Scan# 2316
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

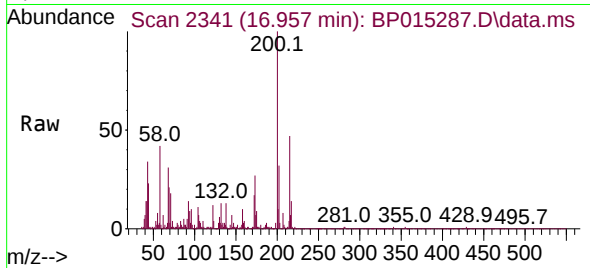
Tgt Ion:284 Resp: 59630
Ion Ratio Lower Upper
284 100
142 36.5 28.2 42.2
249 30.1 25.0 37.6





#69
 Atrazine
 Concen: 4.476 ng
 RT: 16.957 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP015287.D
 Acq: 25 May 2023 11:56

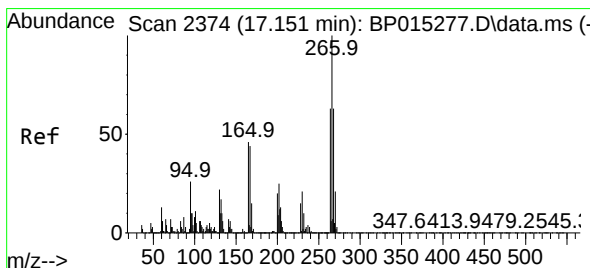
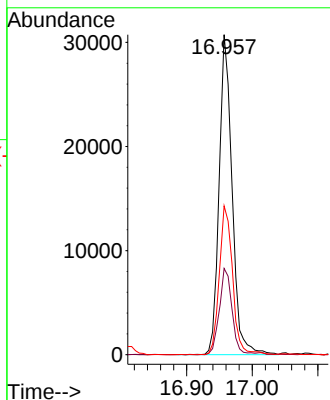
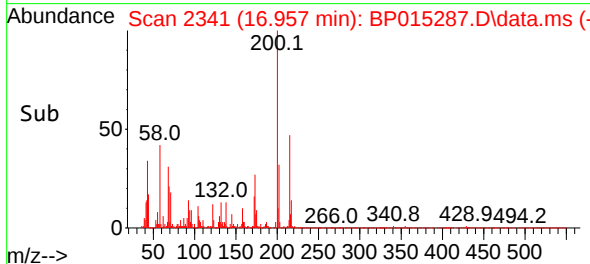
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



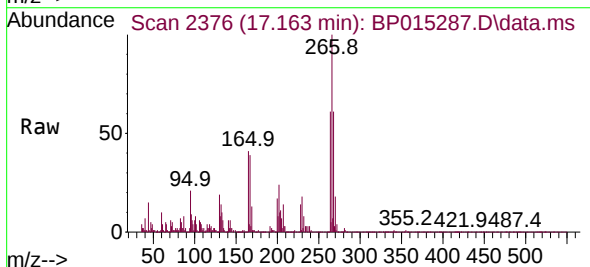
Tgt Ion:200 Resp: 42049
 Ion Ratio Lower Upper
 200 100
 173 26.9 4.7 44.7
 215 46.5 27.5 67.5

Manual Integrations
 APPROVED

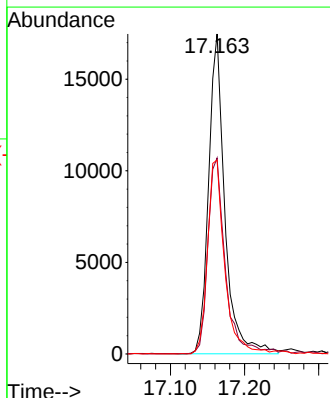
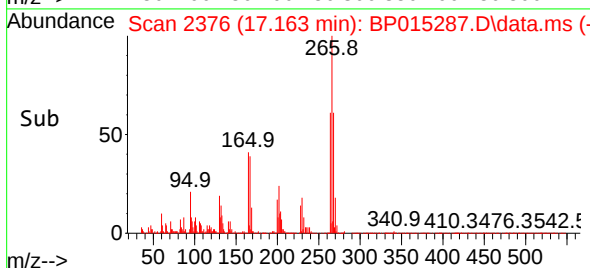
Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023

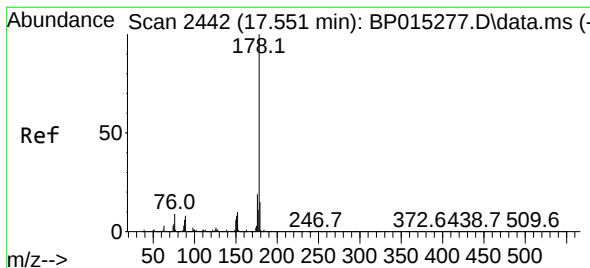


#70
 Pentachlorophenol
 Concen: 3.302 ng
 RT: 17.163 min Scan# 2376
 Delta R.T. 0.012 min
 Lab File: BP015287.D
 Acq: 25 May 2023 11:56



Tgt Ion:266 Resp: 26604
 Ion Ratio Lower Upper
 266 100
 268 61.3 50.0 75.0
 264 60.6 50.4 75.6





#71

Phenanthrene

Concen: 4.955 ng

RT: 17.557 min Scan# 2442

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

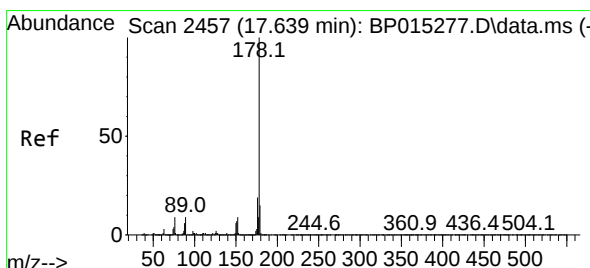
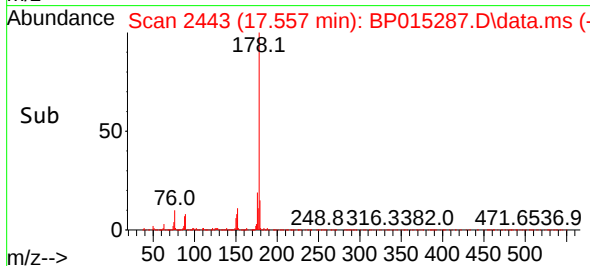
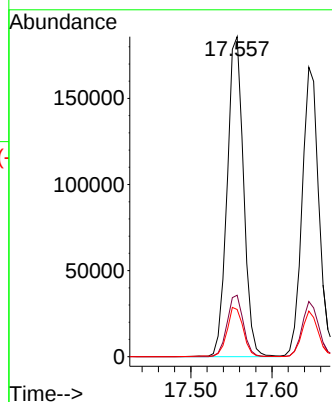
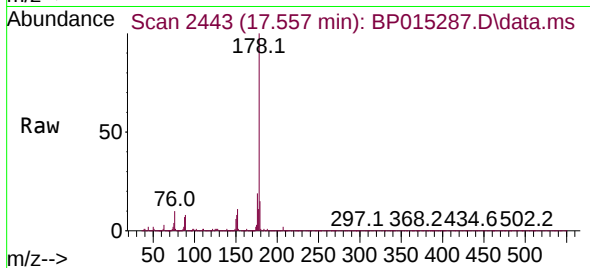
Tgt Ion:178 Resp: 260784
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 14.7 12.3 18.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#72

Anthracene

Concen: 4.702 ng

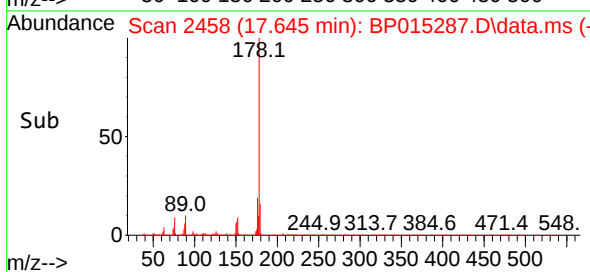
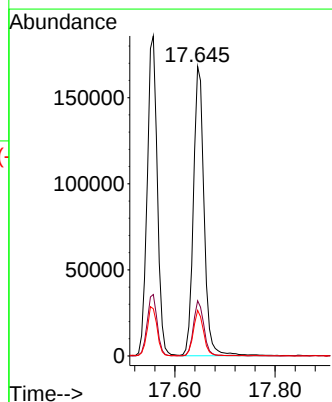
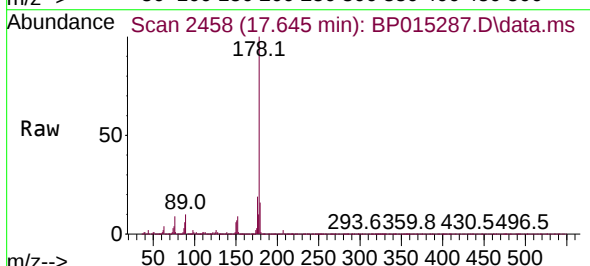
RT: 17.645 min Scan# 2458

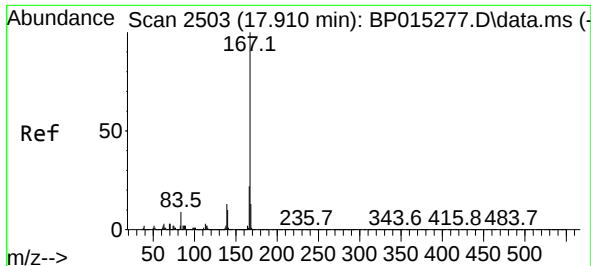
Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

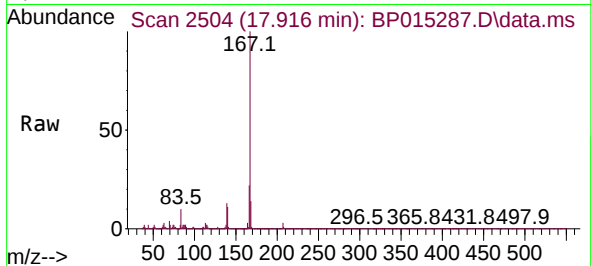
Tgt Ion:178 Resp: 247835
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 4.320 ng
 RT: 17.916 min Scan# 2504
 Delta R.T. 0.006 min
 Lab File: BP015287.D
 Acq: 25 May 2023 11:56

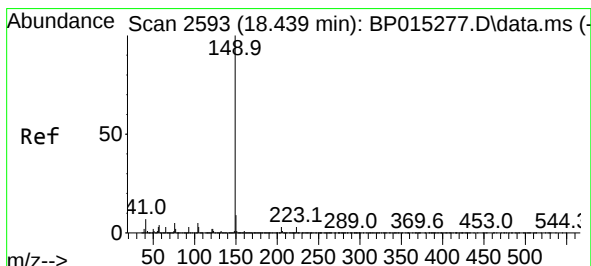
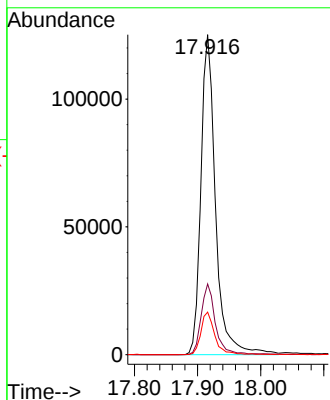
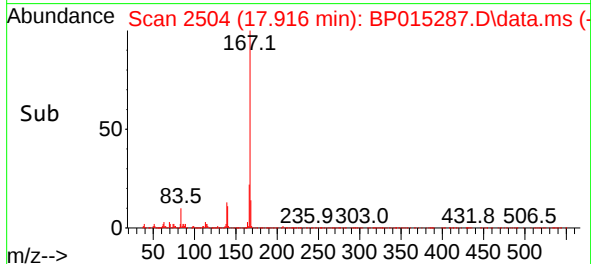
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



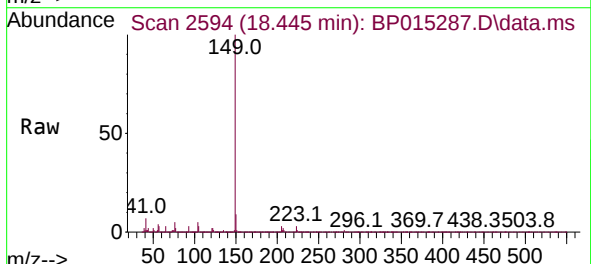
Tgt Ion:167 Resp: 201614
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 13.3 10.2 15.2

Manual Integrations
 APPROVED

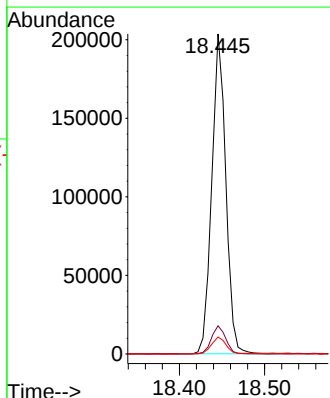
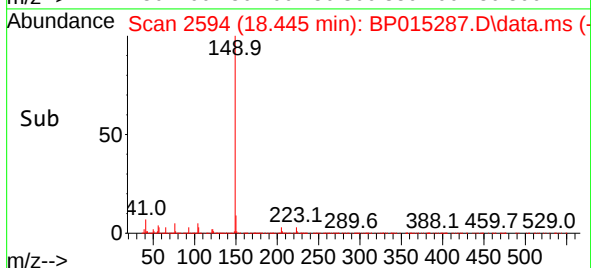
Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023

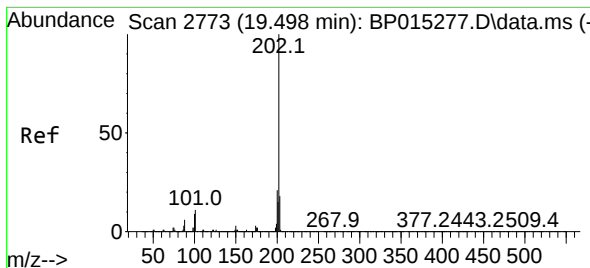


#74
 Di-n-butylphthalate
 Concen: 3.888 ng
 RT: 18.445 min Scan# 2594
 Delta R.T. 0.006 min
 Lab File: BP015287.D
 Acq: 25 May 2023 11:56



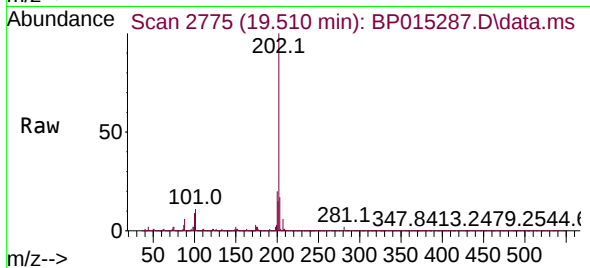
Tgt Ion:149 Resp: 233030
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.3 10.9
 104 5.3 4.4 6.6





#75
Fluoranthene
Concen: 4.196 ng
RT: 19.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

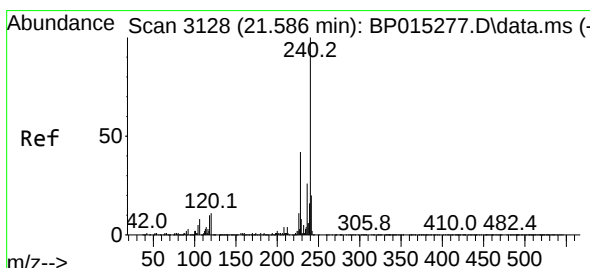
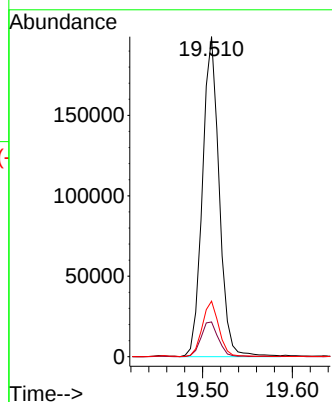
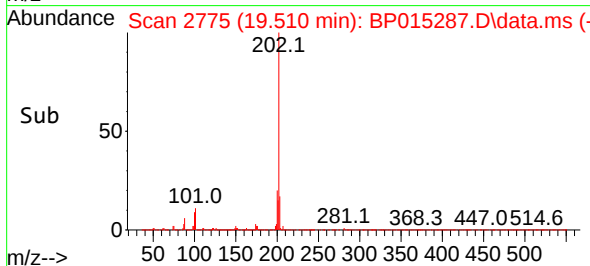
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:202 Resp: 257949
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.4 0.0 37.6

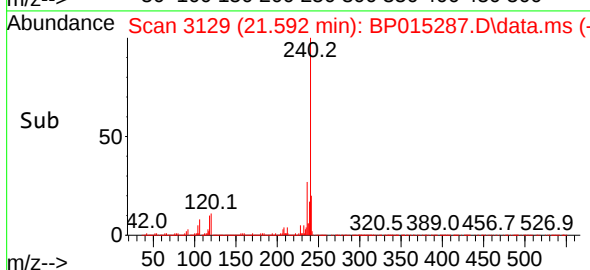
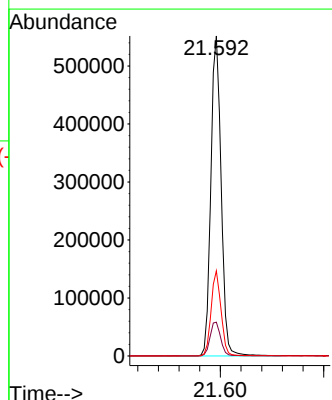
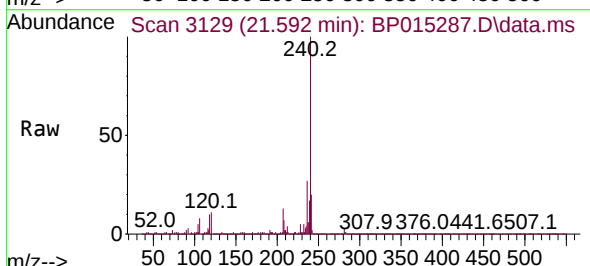
Manual Integrations
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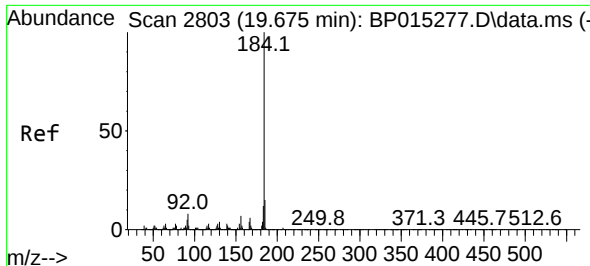
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:240 Resp: 761158
Ion Ratio Lower Upper
240 100
120 10.6 8.8 13.2
236 26.6 20.5 30.7





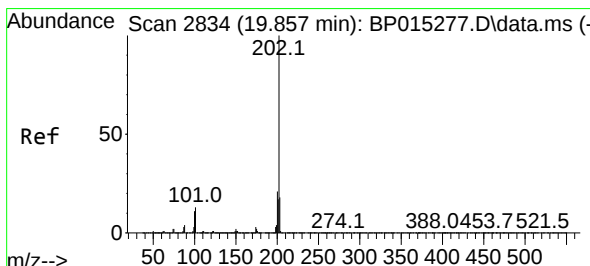
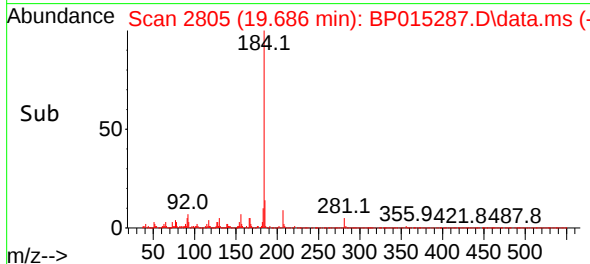
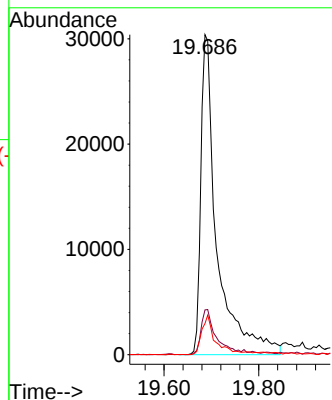
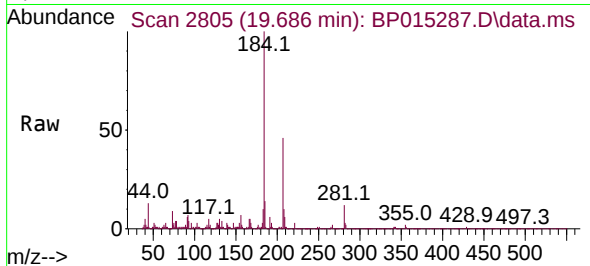
#77
Benzidine
Concen: 5.967 ng
RT: 19.686 min Scan# 2805
Delta R.T. 0.012 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:184 Resp: 71910
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 9.8 9.4 14.0

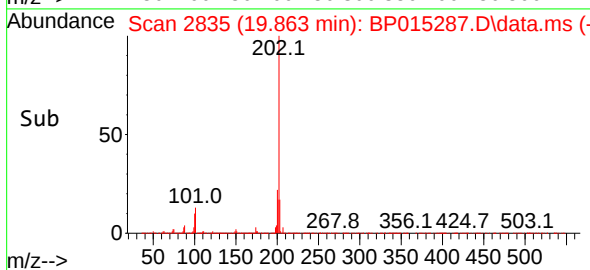
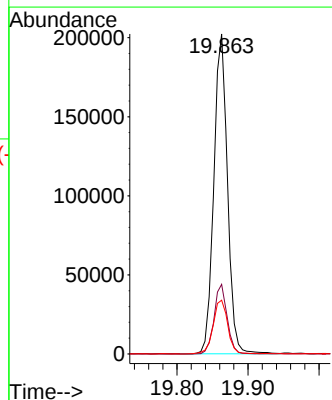
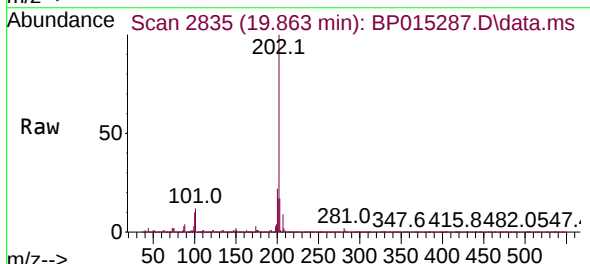
Manual Integrations
APPROVED

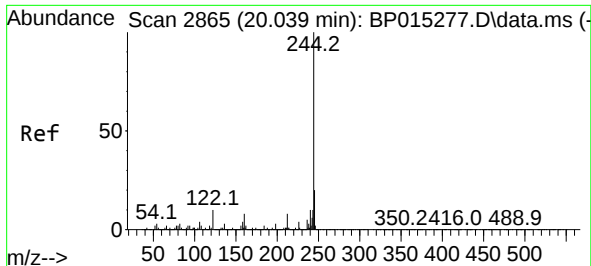
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#78
Pyrene
Concen: 4.955 ng
RT: 19.863 min Scan# 2835
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

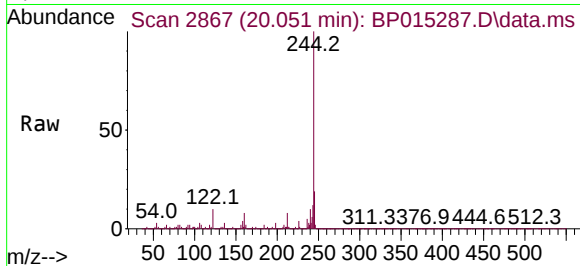
Tgt Ion:202 Resp: 269853
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 16.8 14.2 21.2





#79
 Terphenyl-d14
 Concen: 78.560 ng
 RT: 20.051 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP015287.D
 Acq: 25 May 2023 11:56

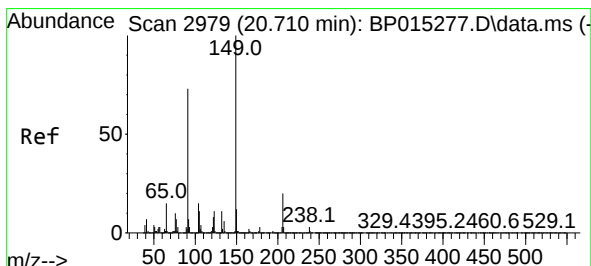
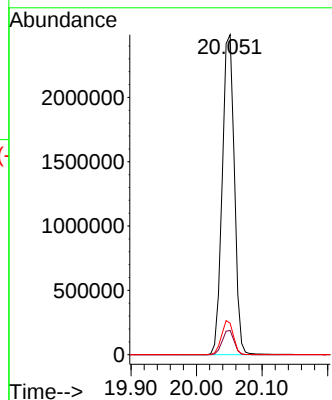
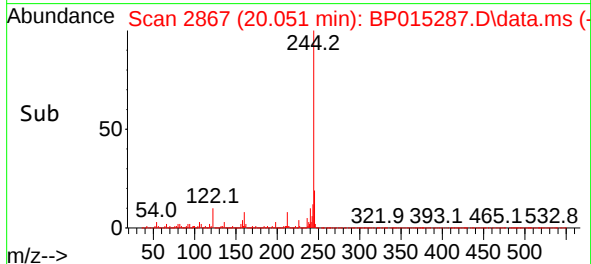
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



Tgt Ion:244 Resp: 3179040
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 9.9 8.2 12.4

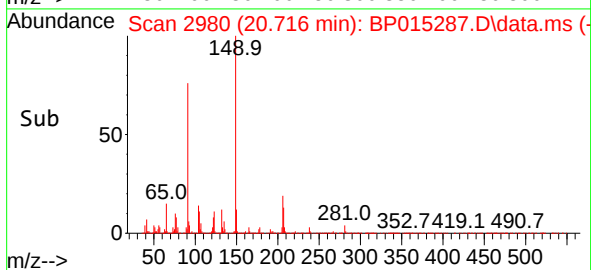
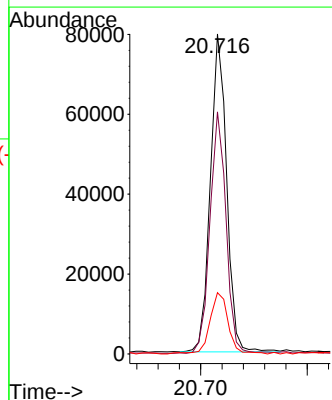
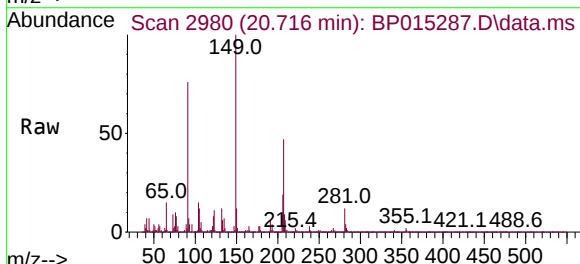
Manual Integrations
 APPROVED

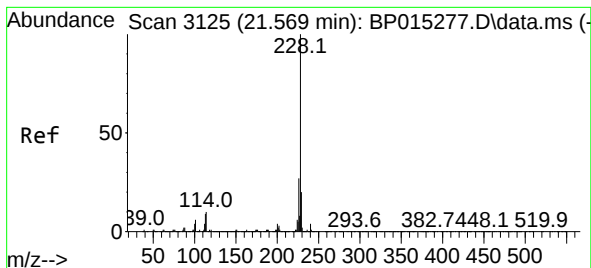
Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023



#80
 Butylbenzylphthalate
 Concen: 3.659 ng
 RT: 20.716 min Scan# 2980
 Delta R.T. 0.006 min
 Lab File: BP015287.D
 Acq: 25 May 2023 11:56

Tgt Ion:149 Resp: 84458
 Ion Ratio Lower Upper
 149 100
 91 75.7 58.2 87.2
 206 19.1 16.2 24.4





#81

Benzo(a)anthracene

Concen: 4.615 ng

RT: 21.575 min Scan# 3114

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

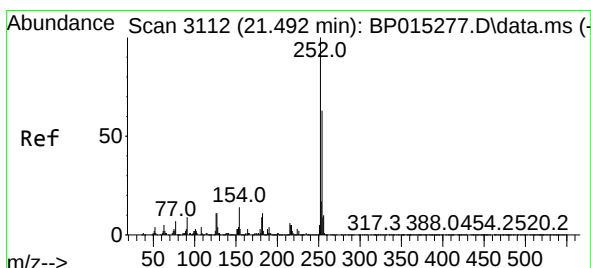
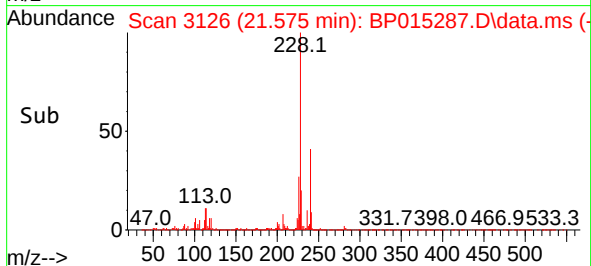
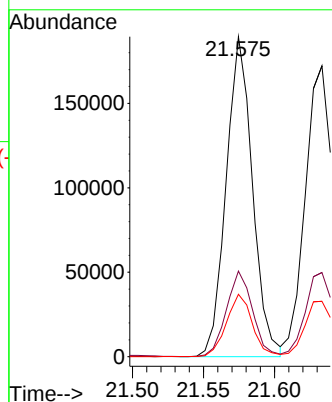
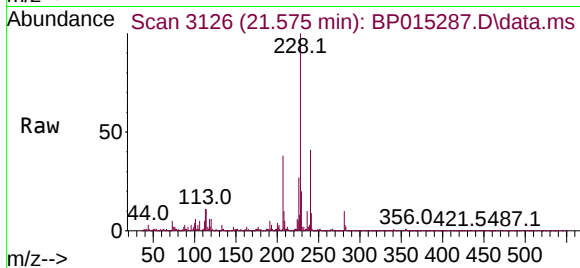
ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:228 Resp: 244048
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.7 32.5
 229 19.5 15.8 23.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023



#82

3,3'-Dichlorobenzidine

Concen: 4.656 ng

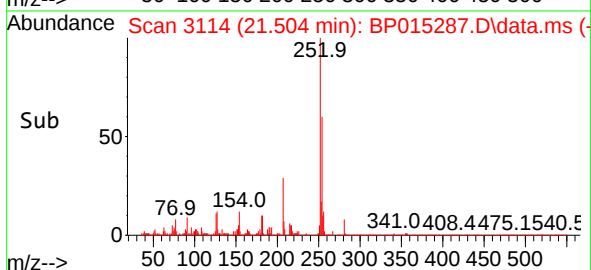
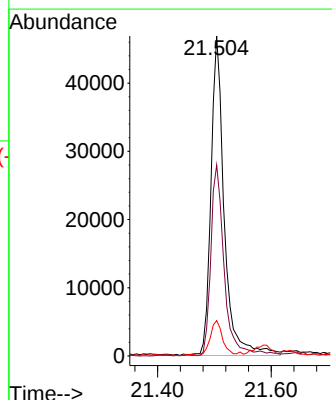
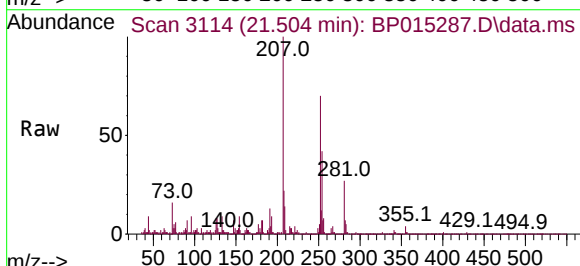
RT: 21.504 min Scan# 3114

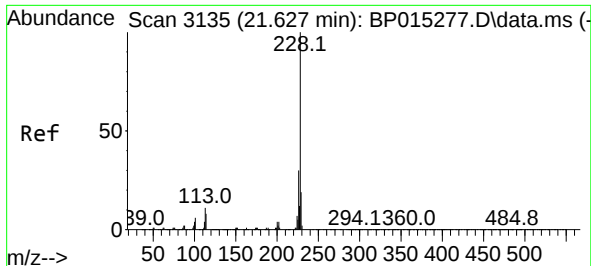
Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Tgt Ion:252 Resp: 76056
 Ion Ratio Lower Upper
 252 100
 254 59.7 50.7 76.1
 126 11.0 8.7 13.1





#83

Chrysene

Concen: 4.767 ng

RT: 21.633 min Scan# 3135

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

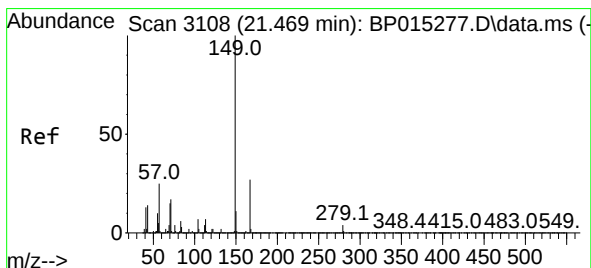
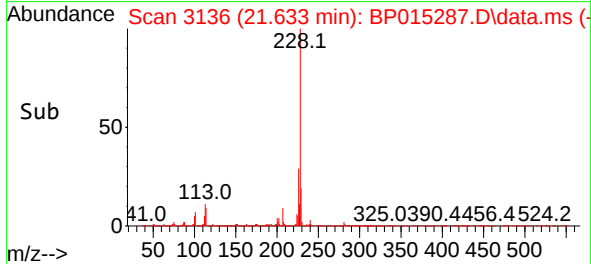
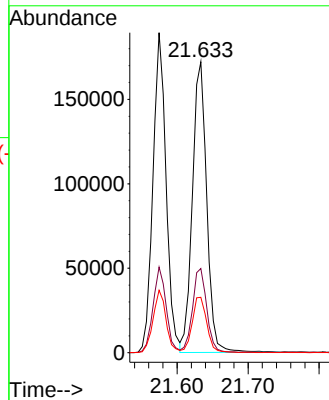
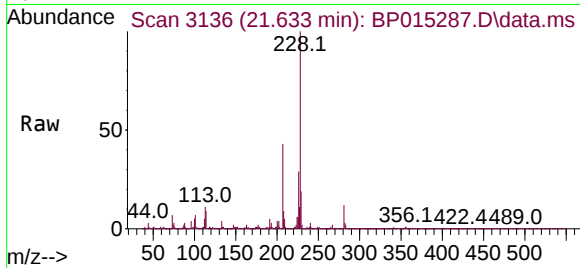
LOQ-SOIL-02-QT2-2023

Tgt Ion:	228	Resp:	241738
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.8	35.6
229	19.0	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.592 ng

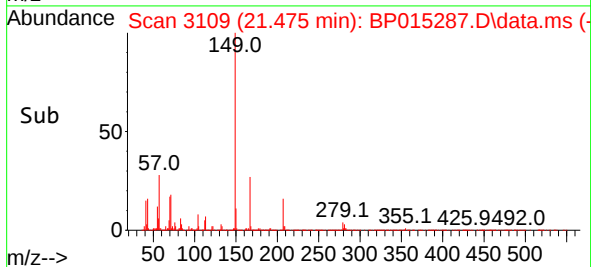
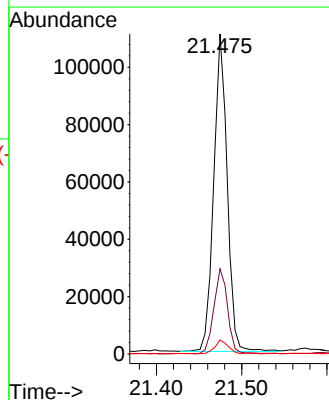
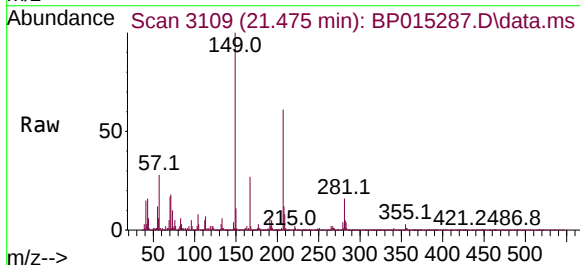
RT: 21.475 min Scan# 3109

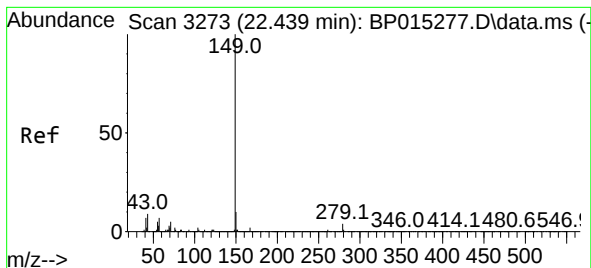
Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Tgt Ion:	149	Resp:	122089
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.6	32.4
279	4.4	3.5	5.3





#85

Di-n-octyl phthalate

Concen: 3.490 ng

RT: 22.451 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

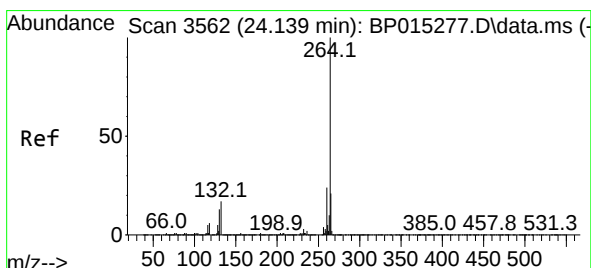
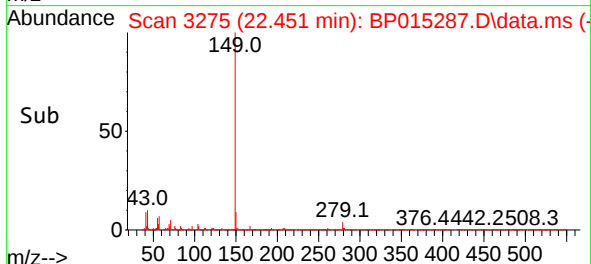
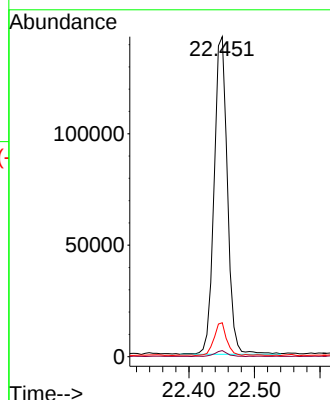
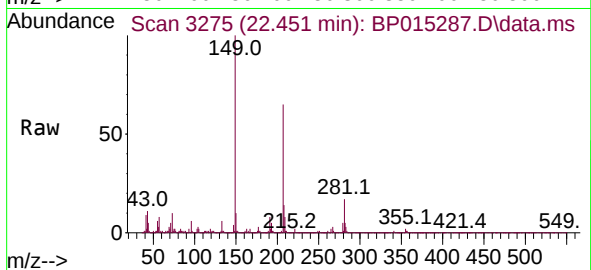
Tgt Ion:	149	Resp:	200694
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	9.7	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#86

Perylene-d12

Concen: 20.000 ng

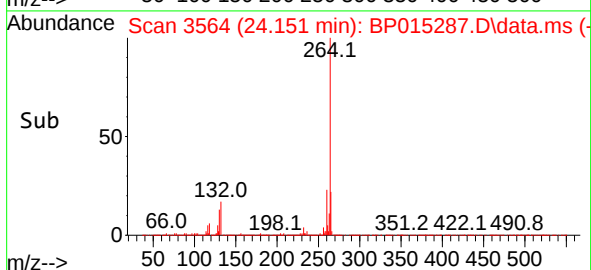
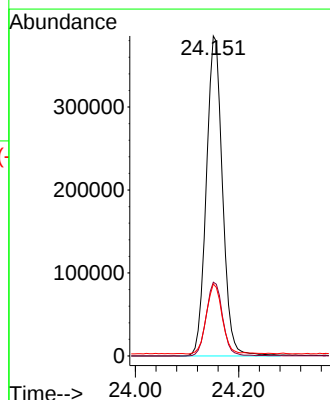
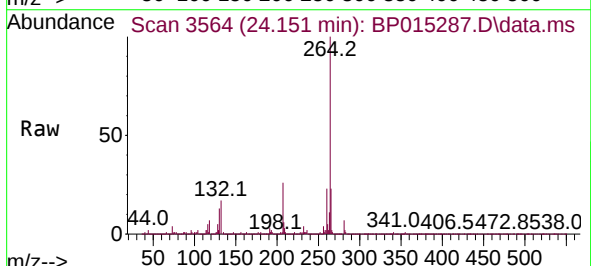
RT: 24.151 min Scan# 3564

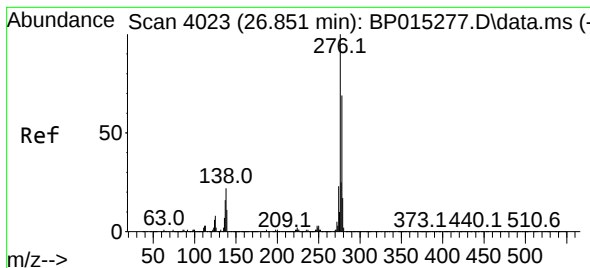
Delta R.T. 0.012 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Tgt Ion:	264	Resp:	838771
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.0	28.6
265	22.5	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.568 ng

RT: 26.857 min Scan# 4023

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

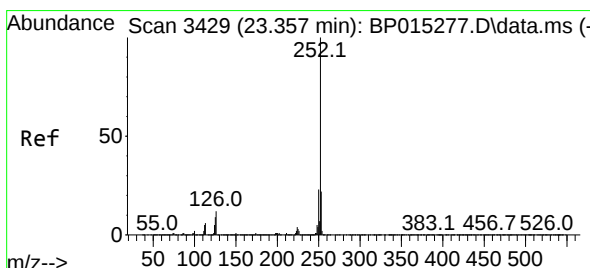
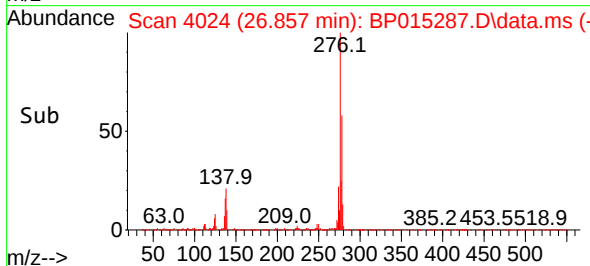
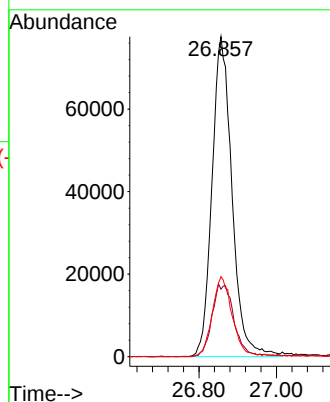
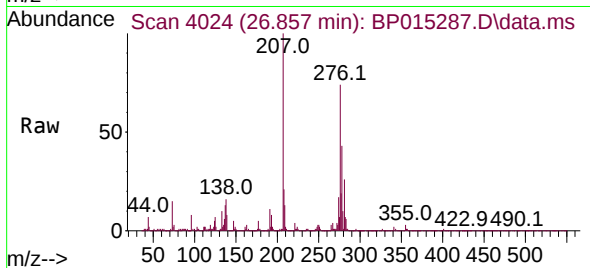
Tgt Ion:	276	Resp:	27771
Ion Ratio	Lower	Upper	
276	100		
138	24.8	19.0	28.6
277	24.9	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#88

Benzo(b)fluoranthene

Concen: 4.647 ng

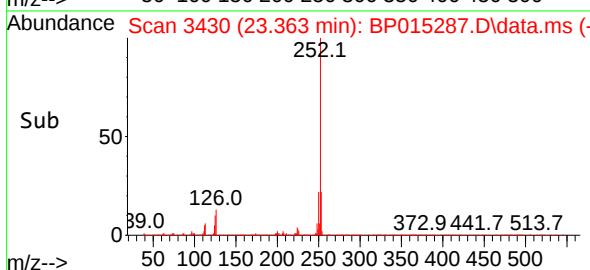
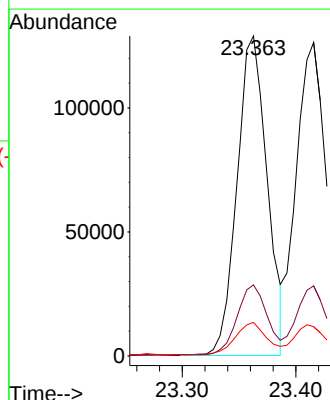
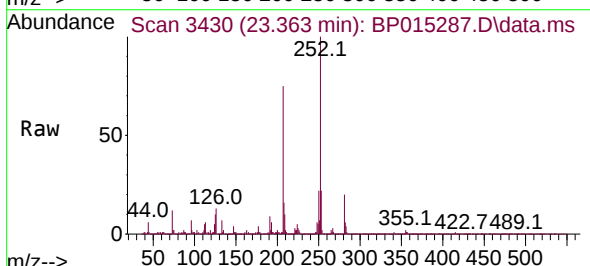
RT: 23.363 min Scan# 3430

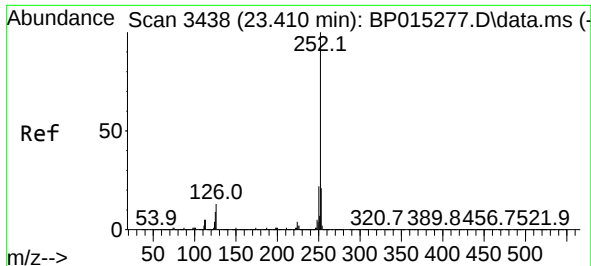
Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

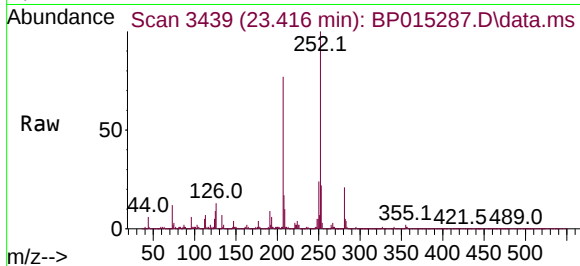
Tgt Ion:	252	Resp:	237002
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	10.5	7.2	10.8





#89
Benzo(k)fluoranthene
Concen: 4.689 ng
RT: 23.416 min Scan# 3438
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

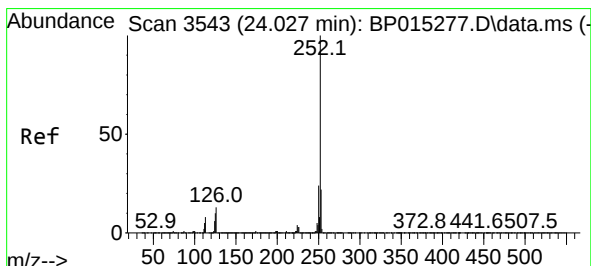
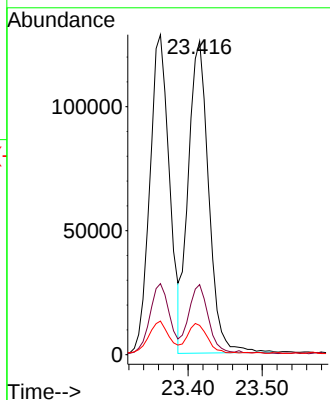
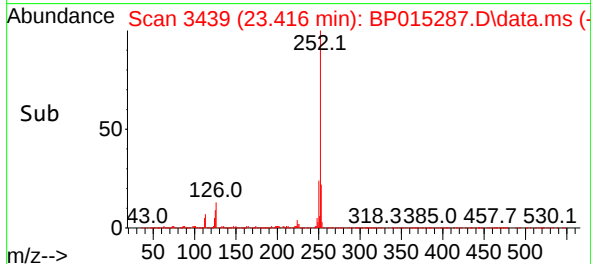
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:252 Resp: 24077
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 9.3 7.4 11.0

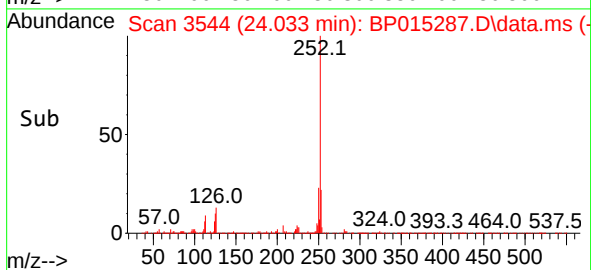
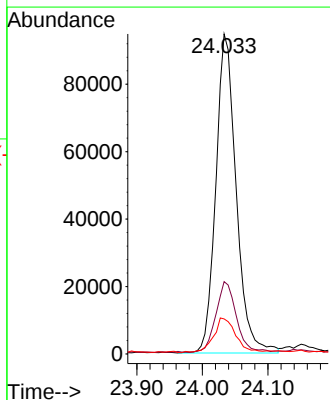
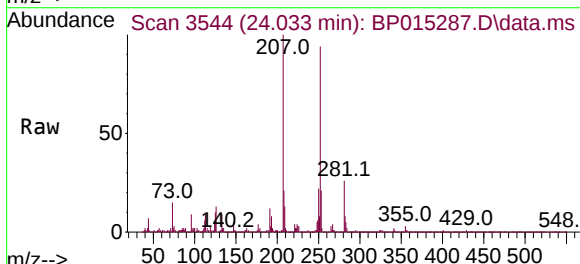
Manual Integrations
APPROVED

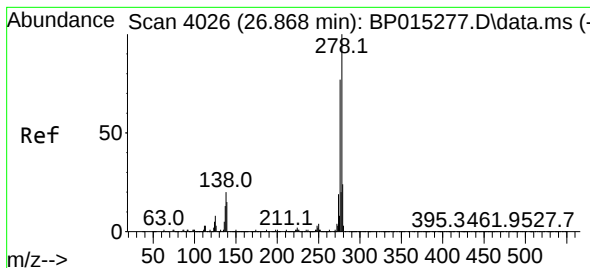
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#90
Benzo(a)pyrene
Concen: 4.134 ng
RT: 24.033 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BP015287.D
Acq: 25 May 2023 11:56

Tgt Ion:252 Resp: 203561
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.0 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 4.599 ng

RT: 26.874 min Scan# 4026

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

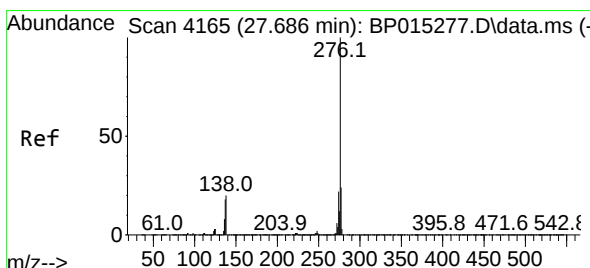
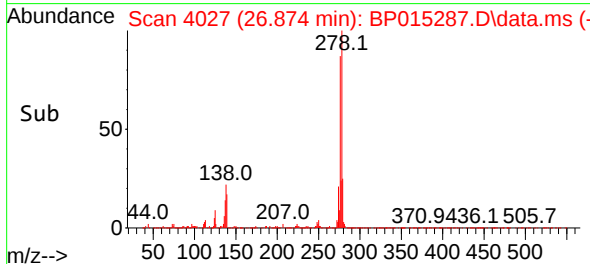
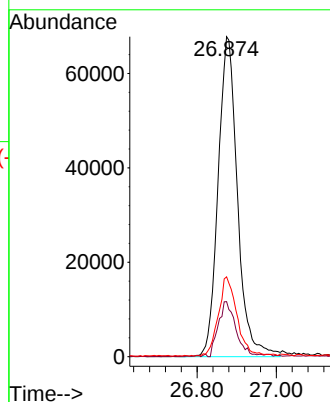
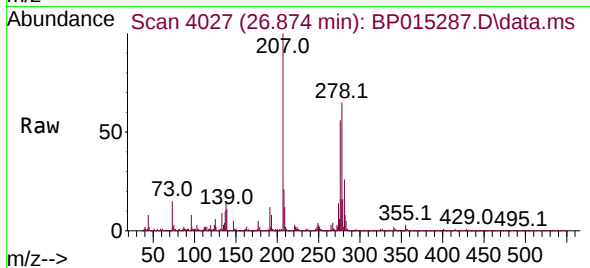
Tgt Ion:	278	Resp:	22960
Ion Ratio	Lower	Upper	
278	100		
139	17.2	12.3	18.5
279	24.9	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#92

Benzo(g,h,i)perylene

Concen: 4.505 ng

RT: 27.692 min Scan# 4166

Delta R.T. 0.006 min

Lab File: BP015287.D

Acq: 25 May 2023 11:56

Tgt Ion:	276	Resp:	228522
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.6
138	20.1	16.2	24.2

