

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015290.D
 Acq On : 25 May 2023 14:03
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 25 15:09:09 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	8.110	152	187492	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	718378	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	431808	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	878131	20.000	ng	0.00
76) Chrysene-d12	21.586	240	806963	20.000	ng	0.00
86) Perylene-d12	24.139	264	927841	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1053304	93.091	ng	0.00
7) Phenol-d6	7.263	99	1363202	91.933	ng	0.00
23) Nitrobenzene-d5	9.287	82	994934	67.623	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	526863	89.786	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2165849	67.339	ng	0.00
79) Terphenyl-d14	20.045	244	2810607	65.513	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	41675	8.316	ng	97
3) Pyridine	3.881	79	87850	6.859	ng	98
4) n-Nitrosodimethylamine	3.787	42	45368	7.590	ng	94
6) Aniline	7.428	93	151946	8.107	ng	99
8) 2-Chlorophenol	7.669	128	98191	8.304	ng	98
9) Benzaldehyde	7.240	77	89676	8.070	ng	95
10) Phenol	7.287	94	119220	8.028	ng	97
11) bis(2-Chloroethyl)ether	7.528	93	102254	8.215	ng	97
12) 1,3-Dichlorobenzene	7.999	146	113416	8.620	ng	100
13) 1,4-Dichlorobenzene	8.146	146	113531	8.573	ng	98
14) 1,2-Dichlorobenzene	8.469	146	109626	8.676	ng	99
15) Benzyl Alcohol	8.352	79	76884	7.429	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.634	45	140047m	8.725	ng	
17) 2-Methylphenol	8.557	107	79026	7.478	ng	99
18) Hexachloroethane	9.199	117	42405	8.496	ng	94
19) n-Nitroso-di-n-propyla...	8.922	70	78521	8.274	ng	99
20) 3+4-Methylphenols	8.887	107	103752	7.267	ng	95
22) Acetophenone	8.946	105	157145	8.422	ng	# 98
24) Nitrobenzene	9.328	77	118422	8.083	ng	99
25) Isophorone	9.857	82	200538	7.595	ng	99
26) 2-Nitrophenol	10.052	139	45726	7.111	ng	95
27) 2,4-Dimethylphenol	10.099	122	86245	8.000	ng	99
28) bis(2-Chloroethoxy)met...	10.340	93	131827	8.101	ng	100
29) 2,4-Dichlorophenol	10.587	162	85606	7.659	ng	96
30) 1,2,4-Trichlorobenzene	10.799	180	102766	8.242	ng	99
31) Naphthalene	10.993	128	311859	8.243	ng	99
32) Benzoic acid	10.175	122	28701m	9.260	ng	
33) 4-Chloroaniline	11.104	127	116383	7.441	ng	99
34) Hexachlorobutadiene	11.269	225	63983	8.099	ng	99
35) Caprolactam	11.875	113	22412	6.531	ng	96
36) 4-Chloro-3-methylphenol	12.216	107	90007	7.406	ng	99
37) 2-Methylnaphthalene	12.587	142	213620	7.944	ng	98
38) 1-Methylnaphthalene	12.804	142	203109	8.096	ng	97
40) 1,2,4,5-Tetrachloroben...	12.951	216	118316	8.351	ng	99
41) Hexachlorocyclopentadiene	12.928	237	58633	7.813	ng	97
43) 2,4,6-Trichlorophenol	13.193	196	68334	7.430	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.263	196	71850	6.646	ng	97
46) 1,1'-Biphenyl	13.587	154	286823	8.383	ng	98
47) 2-Chloronaphthalene	13.634	162	218142	8.452	ng	99
48) 2-Nitroaniline	13.840	65	51621	6.547	ng	94
49) Acenaphthylene	14.475	152	325722	7.887	ng	100
50) Dimethylphthalate	14.204	163	258870	7.663	ng	99
51) 2,6-Dinitrotoluene	14.328	165	51398	7.206	ng	98
52) Acenaphthene	14.816	154	198437	8.068	ng	98
53) 3-Nitroaniline	14.663	138	47843	6.563	ng	98
54) 2,4-Dinitrophenol	14.875	184	20146	9.113	ng	90
55) Dibenzofuran	15.151	168	319068	7.930	ng	99
56) 4-Nitrophenol	14.963	139	34211	8.542	ng	89
57) 2,4-Dinitrotoluene	15.116	165	61216	6.527	ng	93
58) Fluorene	15.798	166	251447	8.091	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.375	232	64297	7.436	ng	100
60) Diethylphthalate	15.563	149	251794	7.482	ng	98
61) 4-Chlorophenyl-phenyle...	15.787	204	126073	7.923	ng	98
62) 4-Nitroaniline	15.822	138	42546	7.472	ng	97
63) Azobenzene	16.081	77	242067	7.540	ng	98
65) 4,6-Dinitro-2-methylph...	15.881	198	33569	6.294	ng	98
66) n-Nitrosodiphenylamine	16.004	169	211737	8.092	ng	99
67) 4-Bromophenyl-phenylether	16.686	248	74373	7.833	ng	98
68) Hexachlorobenzene	16.804	284	88285	8.443	ng	98
69) Atrazine	16.951	200	69529	8.322	ng	99
70) Pentachlorophenol	17.151	266	45201	6.308	ng	97
71) Phenanthrene	17.551	178	378326	8.084	ng	100
72) Anthracene	17.639	178	374384	7.987	ng	99
73) Carbazole	17.910	167	320275	7.716	ng	99
74) Di-n-butylphthalate	18.439	149	380336	7.135	ng	100
75) Fluoranthene	19.504	202	415214	7.594	ng	99
77) Benzidine	19.680	184	152716	11.951	ng	99
78) Pyrene	19.857	202	444996	7.707	ng	99
80) Butylbenzylphthalate	20.710	149	156698	6.404	ng	100
81) Benzo(a)anthracene	21.569	228	423618	7.555	ng	99
82) 3,3'-Dichlorobenzidine	21.498	252	152927	8.831	ng	99
83) Chrysene	21.627	228	407725	7.584	ng	99
84) Bis(2-ethylhexyl)phtha...	21.469	149	235618	6.538	ng	99
85) Di-n-octyl phthalate	22.439	149	390052	6.398	ng	99
87) Indeno(1,2,3-cd)pyrene	26.839	276	520526	7.740	ng	99
88) Benzo(b)fluoranthene	23.351	252	450880	7.993	ng	99
89) Benzo(k)fluoranthene	23.404	252	426084	7.501	ng	99
90) Benzo(a)pyrene	24.027	252	380723	6.990	ng	97
91) Dibenzo(a,h)anthracene	26.857	278	427947	7.749	ng	98
92) Benzo(g,h,i)perylene	27.674	276	427404	7.616	ng	98

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

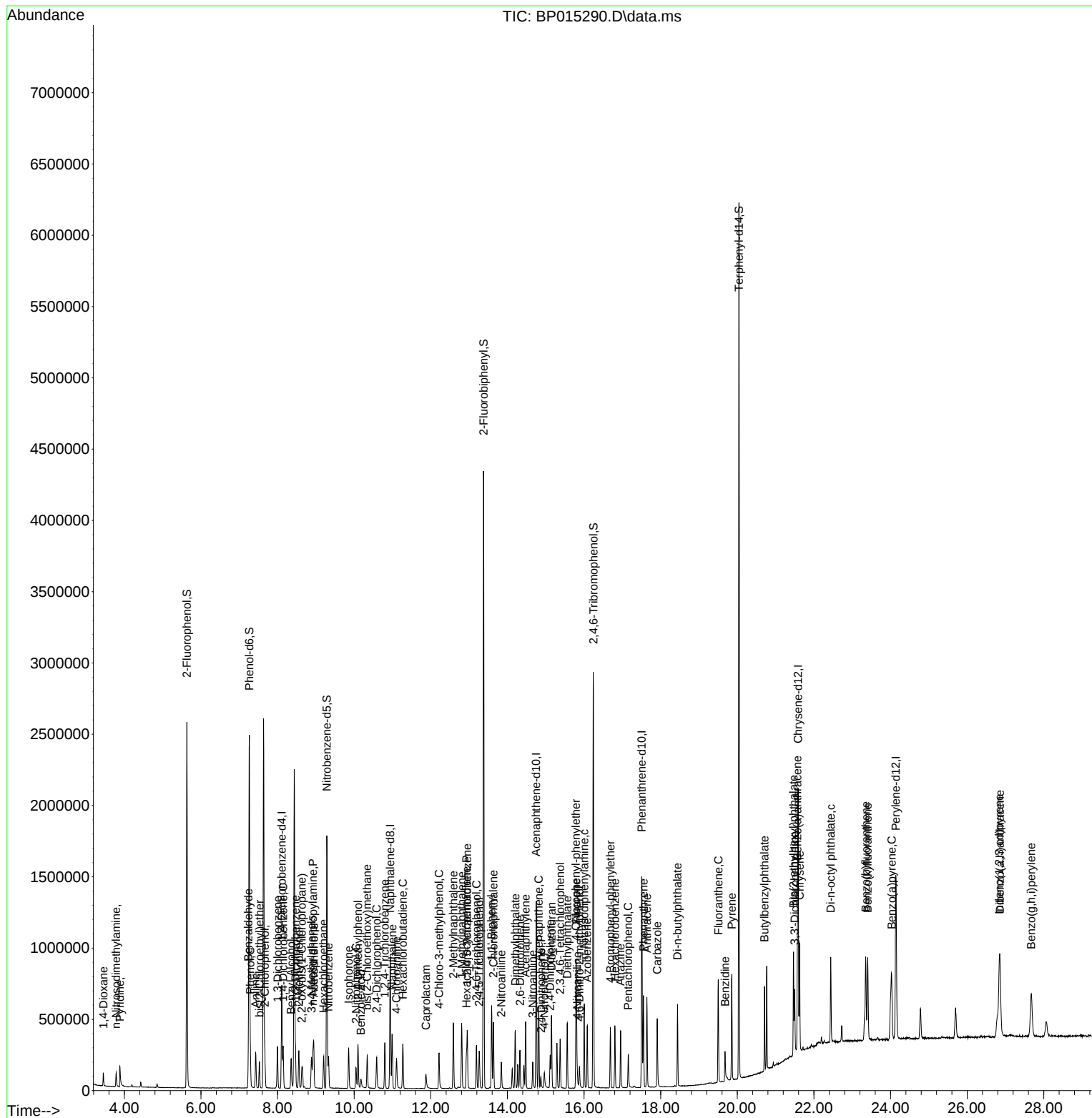
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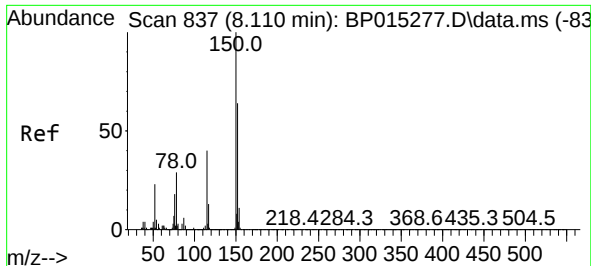
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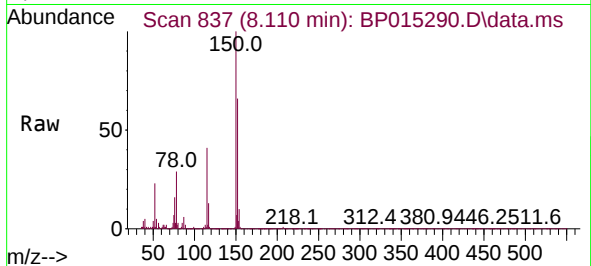
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

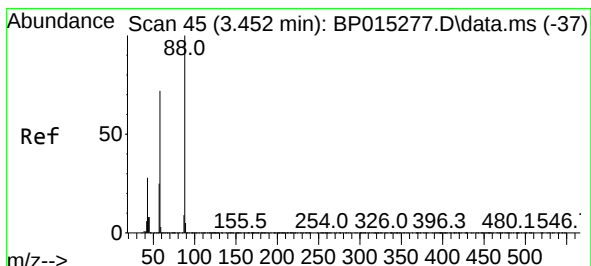
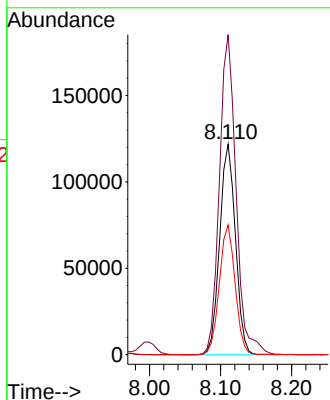
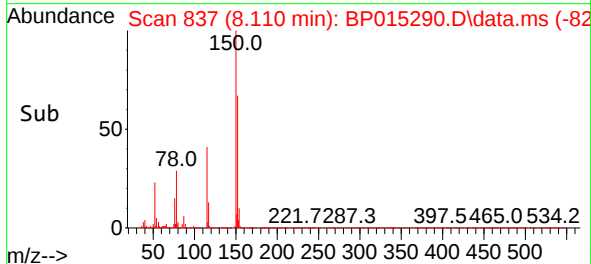
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:152 Resp: 187492
Ion Ratio Lower Upper
152 100
150 152.0 124.2 186.2
115 61.6 49.1 73.7

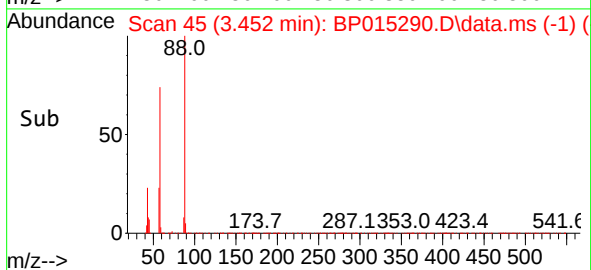
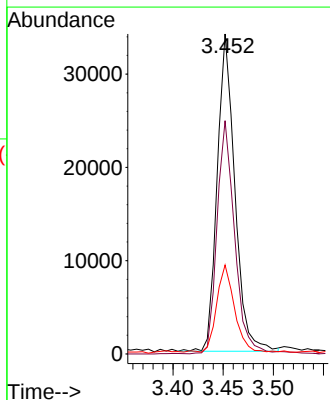
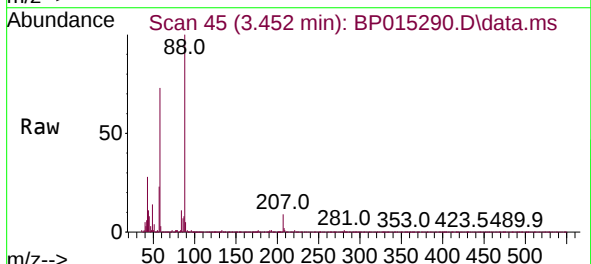
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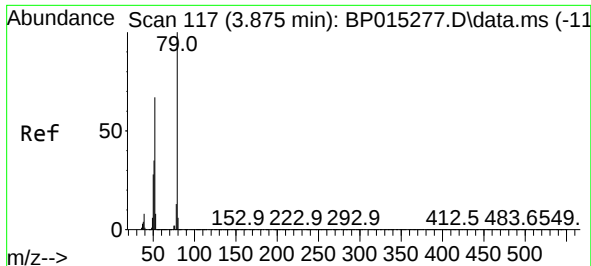
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#2
1,4-Dioxane
Concen: 8.316 ng
RT: 3.452 min Scan# 45
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 88 Resp: 41675
Ion Ratio Lower Upper
88 100
58 73.4 56.2 84.4
43 28.3 22.1 33.1





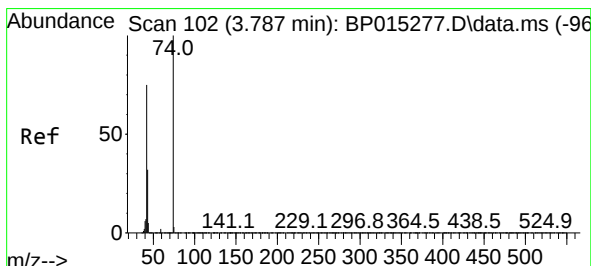
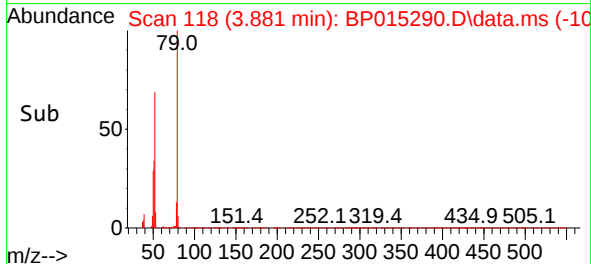
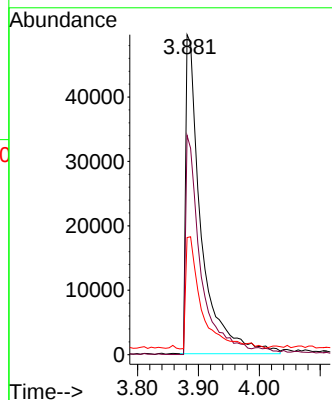
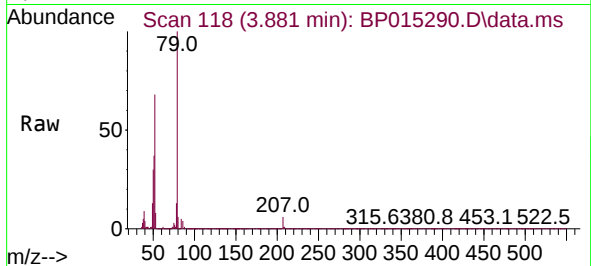
#3
Pyridine
Concen: 6.859 ng
RT: 3.881 min Scan# 117
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion: 79 Resp: 87850
Ion Ratio Lower Upper
79 100
52 68.5 53.7 80.5
51 36.6 28.6 43.0

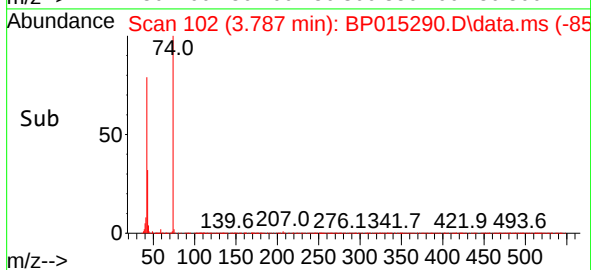
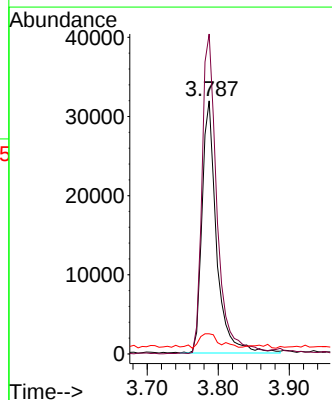
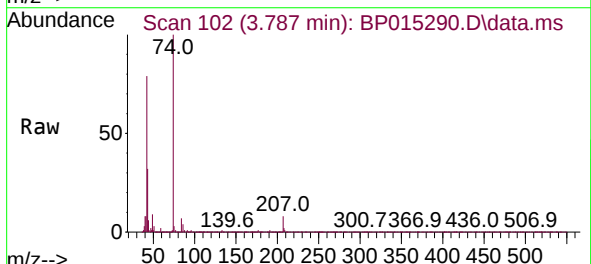
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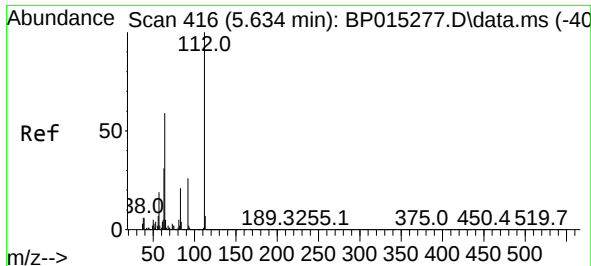
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#4
n-Nitrosodimethylamine
Concen: 7.590 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

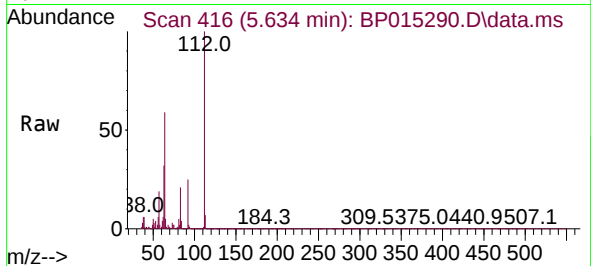
Tgt Ion: 42 Resp: 45368
Ion Ratio Lower Upper
42 100
74 126.4 106.6 160.0
44 7.9 5.8 8.8





#5
2-Fluorophenol
Concen: 93.091 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

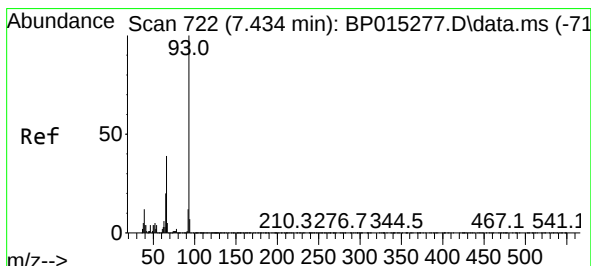
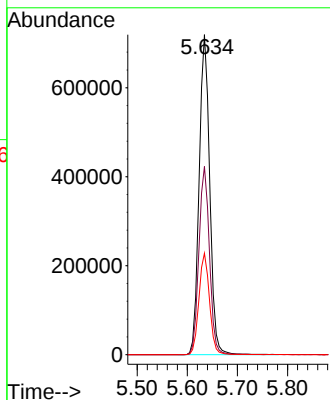
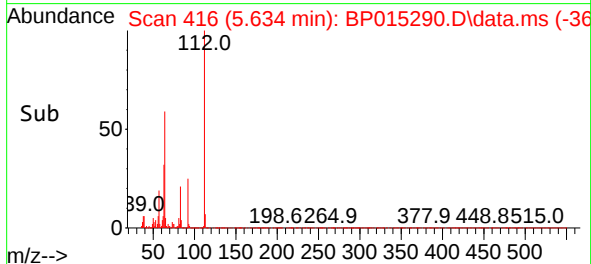
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BNA_P
ClientSampleId :
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Tgt Ion:112 Resp: 1053304
Ion Ratio Lower Upper
112 100
64 58.8 47.2 70.8
63 31.7 24.6 37.0

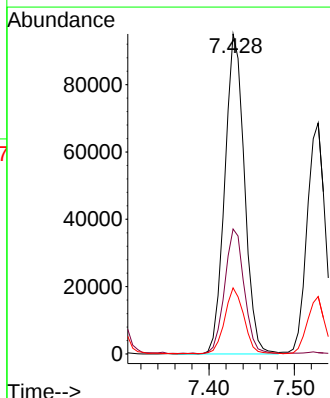
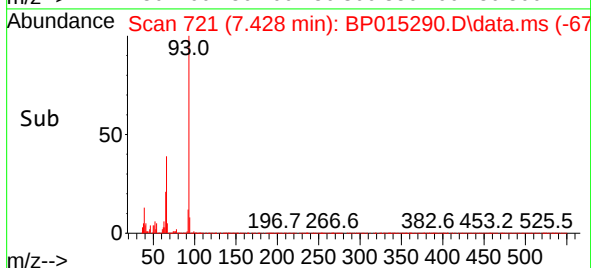
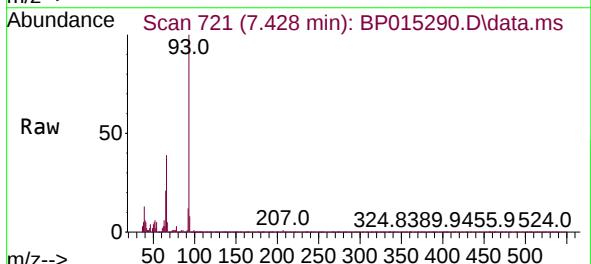
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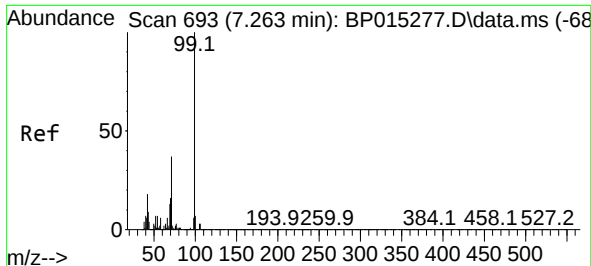
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#6
Aniline
Concen: 8.107 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

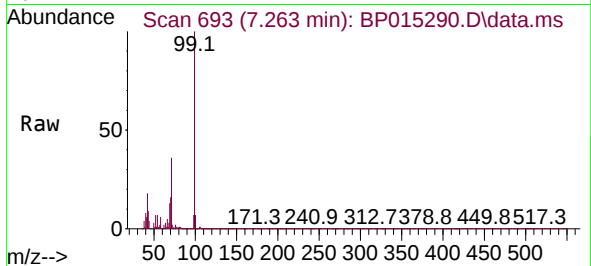
Tgt Ion: 93 Resp: 151946
Ion Ratio Lower Upper
93 100
66 39.0 31.3 46.9
65 20.7 16.0 24.0





#7
Phenol-d6
Concen: 91.933 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015290.D
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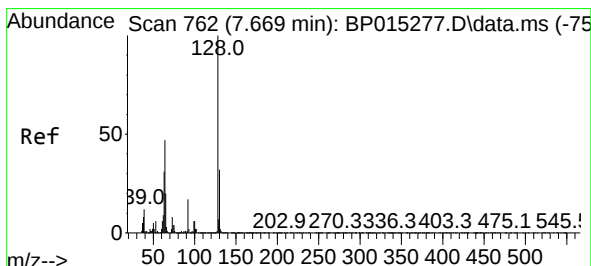
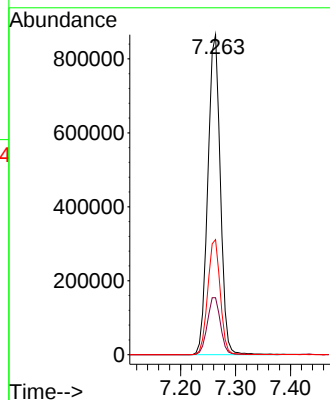
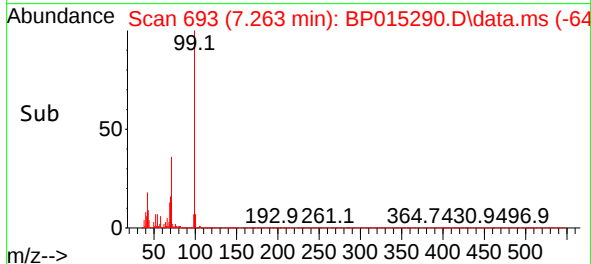
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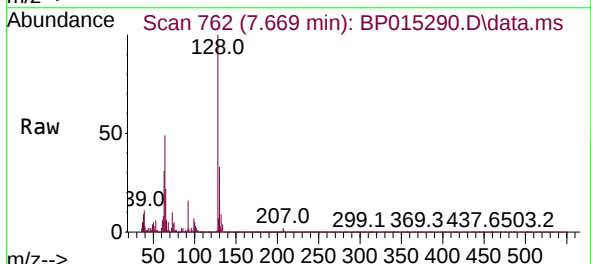
Tgt Ion: 99 Resp: 136320
Ion Ratio Lower Upper
99 100
42 17.8 14.6 22.0
71 35.9 29.4 44.2

Manual Integrations
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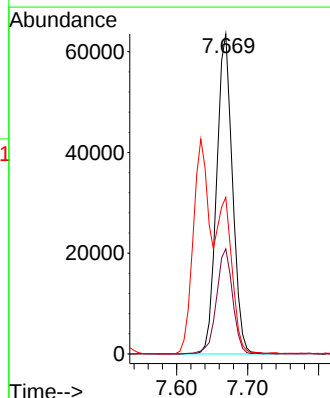
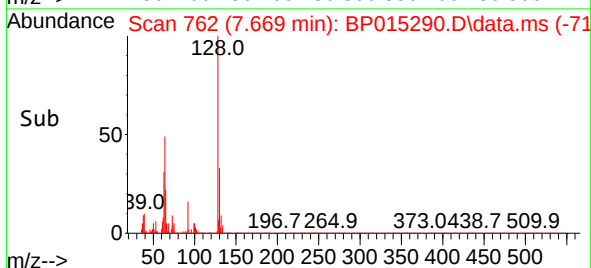
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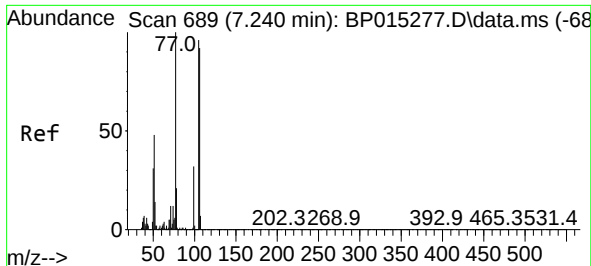


#8
2-Chlorophenol
Concen: 8.304 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015290.D
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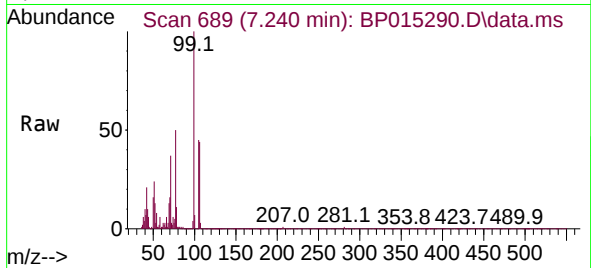
Tgt Ion:128 Resp: 98191
Ion Ratio Lower Upper
128 100
130 32.9 11.5 51.5
64 48.9 27.3 67.3





#9
Benzaldehyde
Concen: 8.070 ng
RT: 7.240 min Scan# 610
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

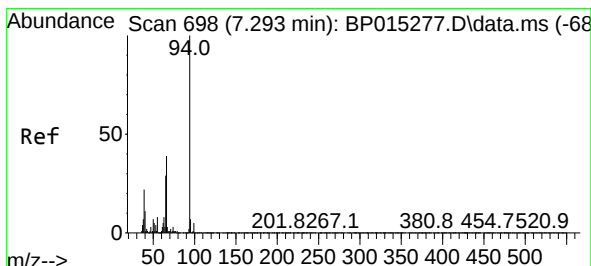
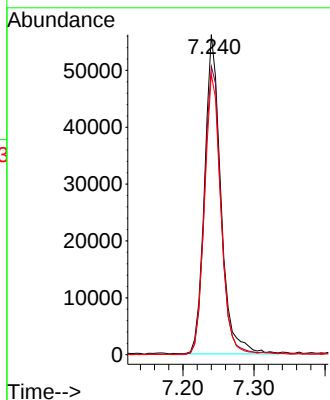
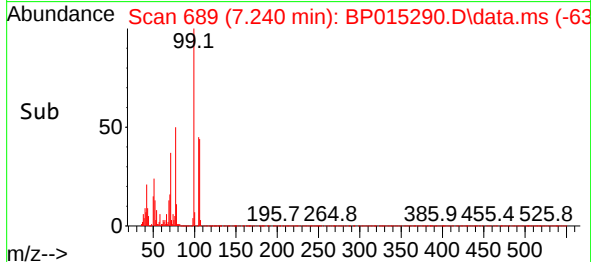
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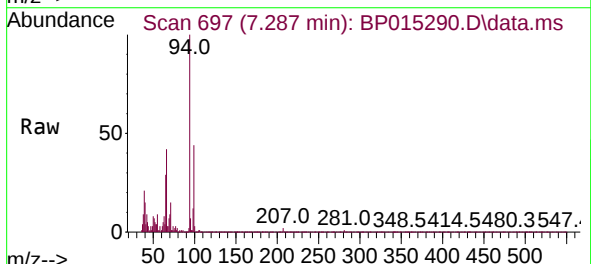
Tgt Ion: 77 Resp: 89670
Ion Ratio Lower Upper
77 100
105 90.1 75.9 115.9
106 87.7 72.3 112.3

Manual Integrations
APPROVED

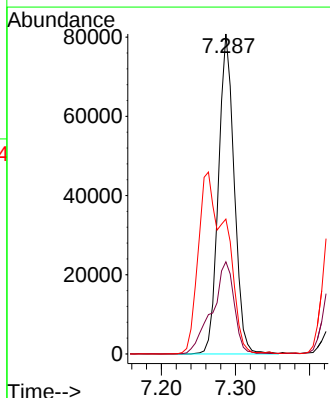
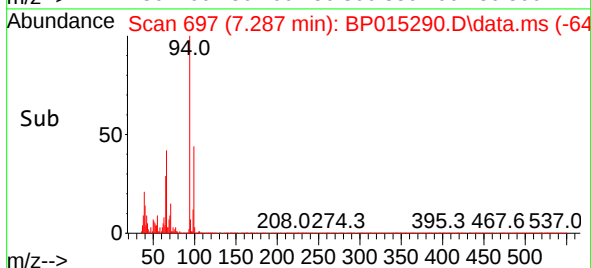
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

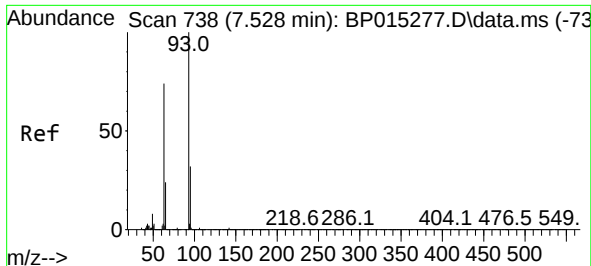


#10
Phenol
Concen: 8.028 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



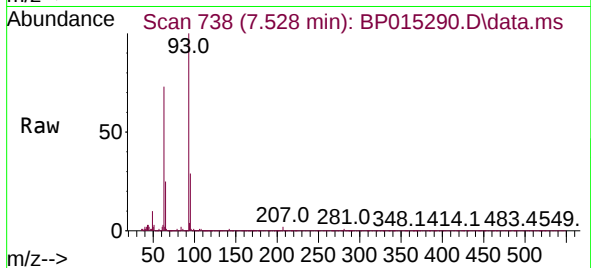
Tgt Ion: 94 Resp: 119220
Ion Ratio Lower Upper
94 100
65 28.8 9.1 49.1
66 42.2 19.3 59.3





#11
bis(2-Chloroethyl)ether
Concen: 8.215 ng
RT: 7.528 min Scan# 711
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

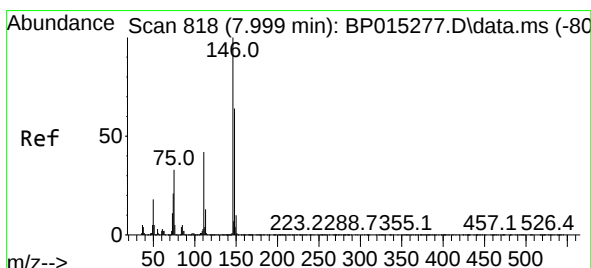
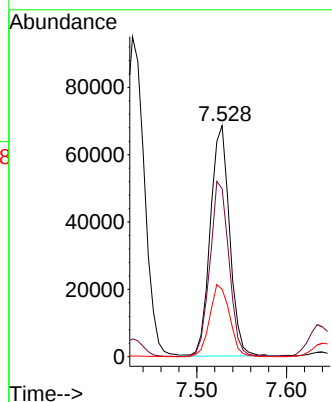
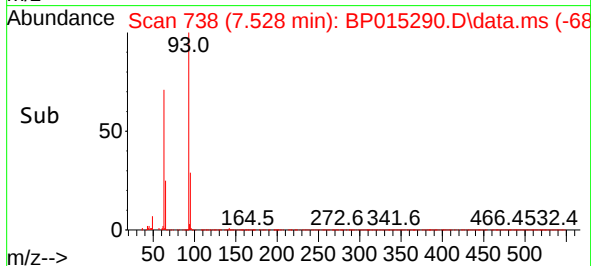
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 93 Resp: 102254
Ion Ratio Lower Upper
93 100
63 72.7 53.9 93.9
95 29.1 12.2 52.2

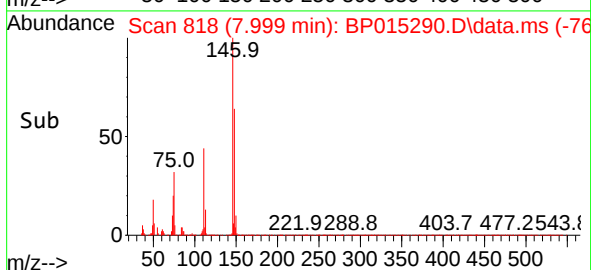
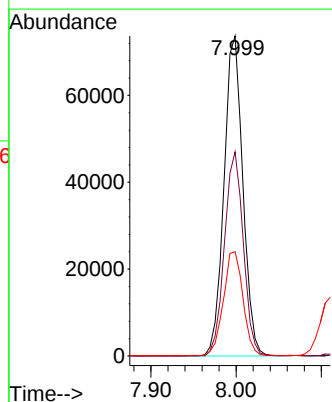
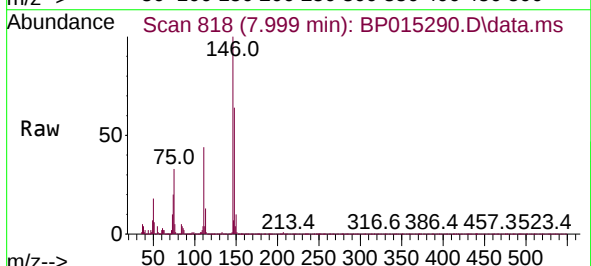
Manual Integrations
APPROVED

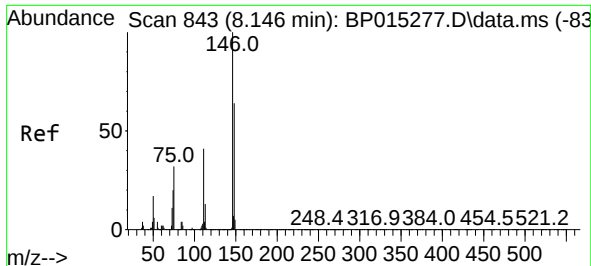
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#12
1,3-Dichlorobenzene
Concen: 8.620 ng
RT: 7.999 min Scan# 818
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

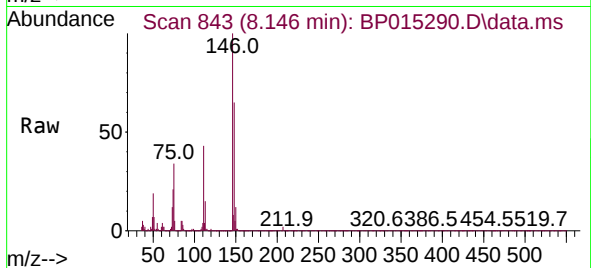
Tgt Ion:146 Resp: 113416
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
75 32.6 26.1 39.1





#13
1,4-Dichlorobenzene
Concen: 8.573 ng
RT: 8.146 min Scan# 843
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

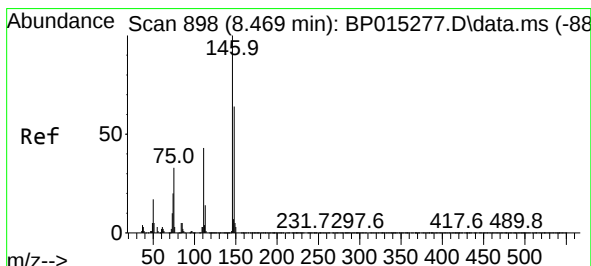
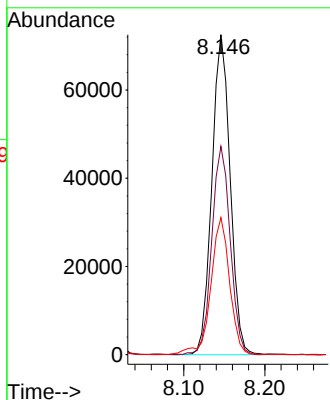
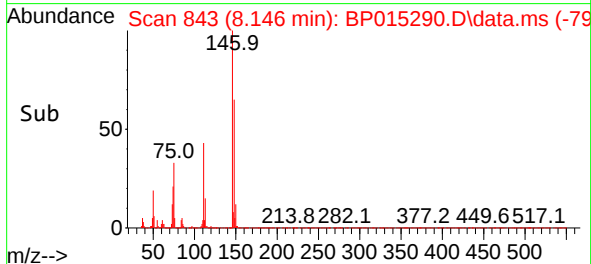
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:146 Resp: 11353
Ion Ratio Lower Upper
146 100
148 65.1 51.0 76.6
111 42.9 33.3 49.9

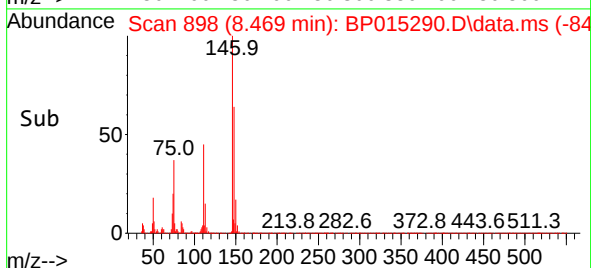
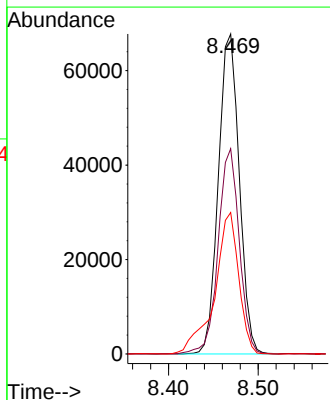
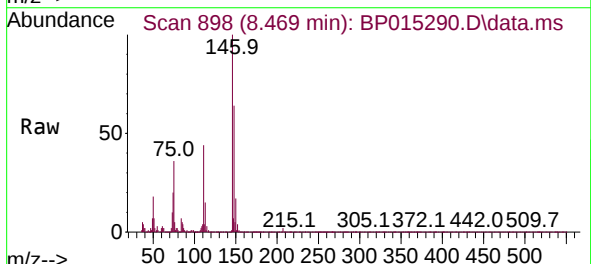
Manual Integrations
APPROVED

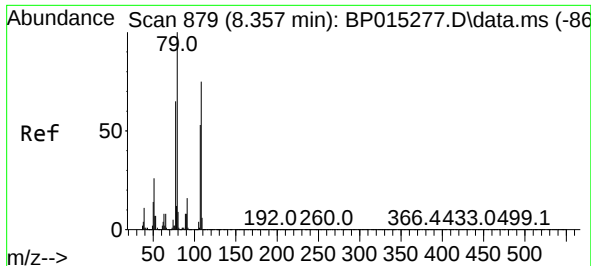
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#14
1,2-Dichlorobenzene
Concen: 8.676 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:146 Resp: 109626
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.2
111 44.2 34.2 51.2





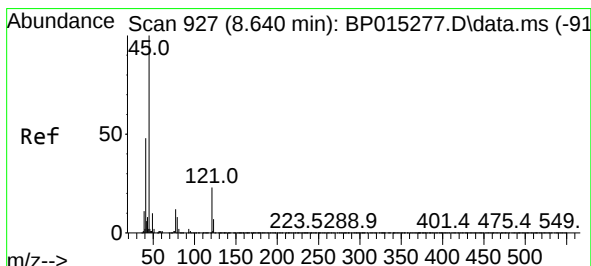
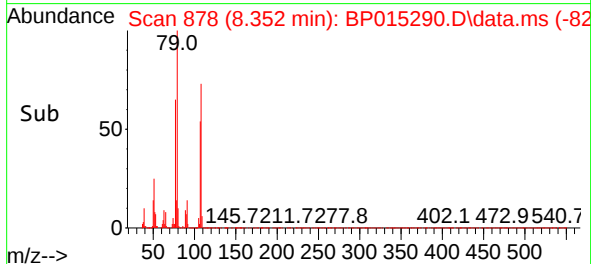
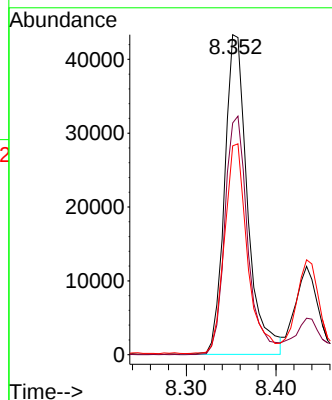
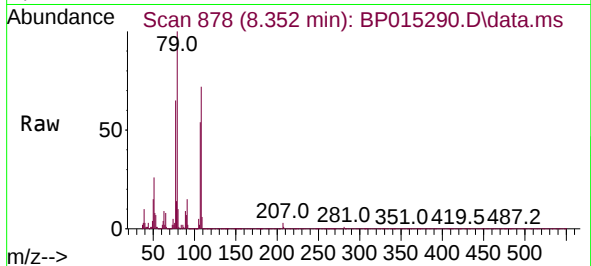
#15
Benzyl Alcohol
Concen: 7.429 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion: 79 Resp: 76884
Ion Ratio Lower Upper
79 100
108 72.4 60.2 90.2
77 65.2 52.1 78.1

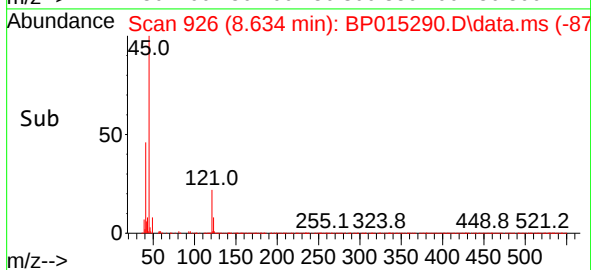
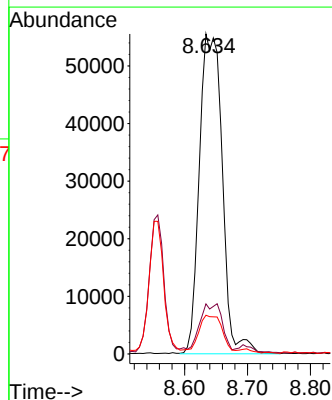
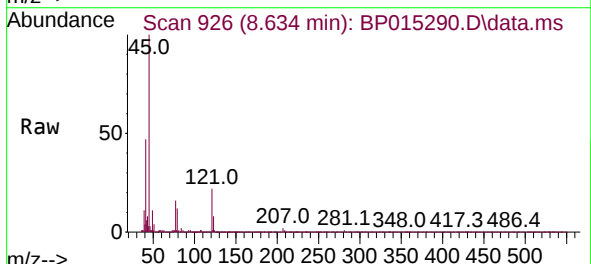
Manual Integrations
APPROVED

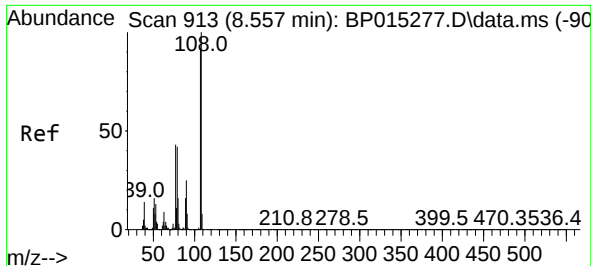
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.725 ng m
RT: 8.634 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 45 Resp: 140047
Ion Ratio Lower Upper
45 100
77 15.7 0.0 35.3
79 12.1 0.0 31.2





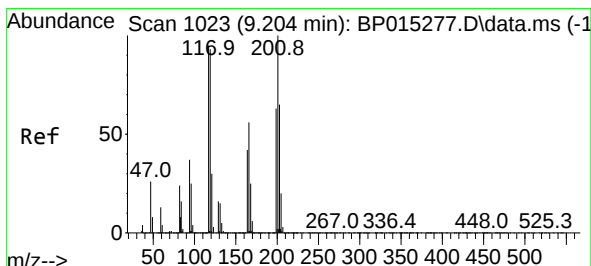
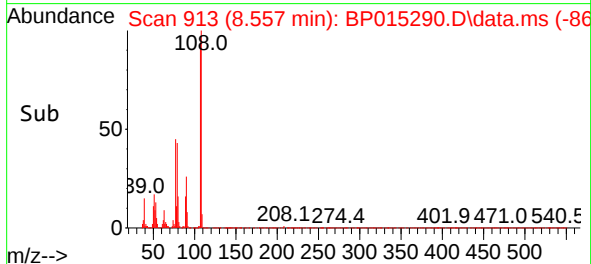
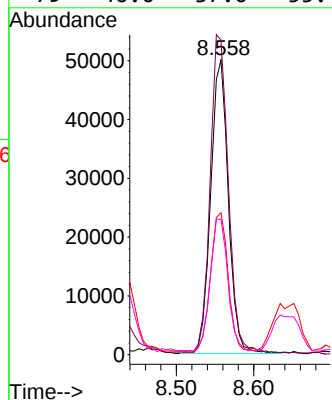
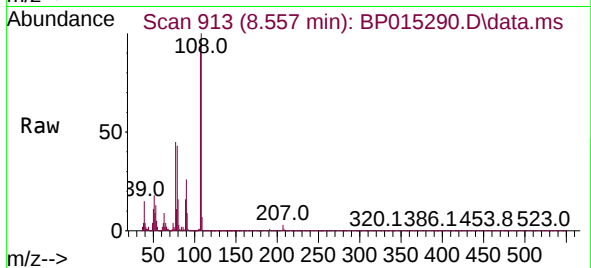
#17
2-Methylphenol
Concen: 7.478 ng
RT: 8.557 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion:	107	Resp:	79020
Ion Ratio	Lower	Upper	
107	100		
108	106.8	87.3	130.9
77	48.2	38.1	57.1
79	46.0	37.0	55.4

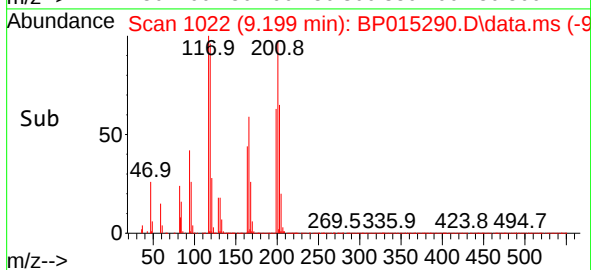
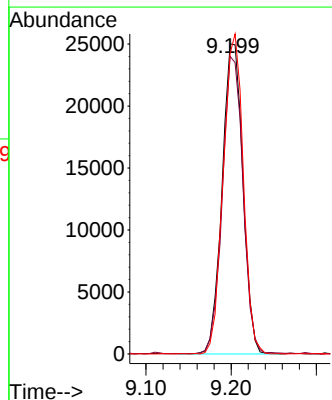
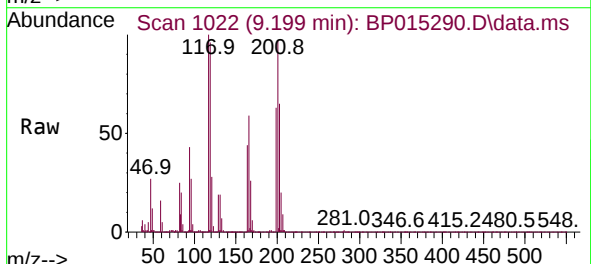
Manual Integrations
APPROVED

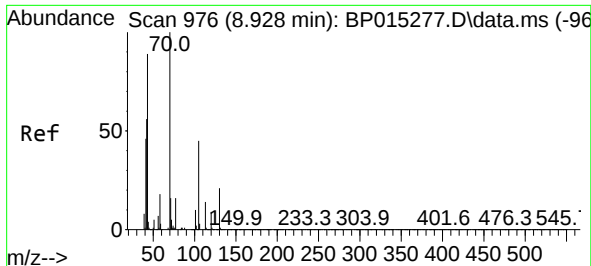
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#18
Hexachloroethane
Concen: 8.496 ng
RT: 9.199 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

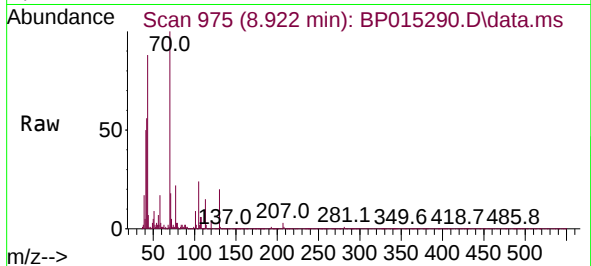
Tgt Ion:	117	Resp:	42405
Ion Ratio	Lower	Upper	
117	100		
119	96.0	78.8	118.2
201	96.9	84.5	126.7





#19
n-Nitroso-di-n-propylamine
Concen: 8.274 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

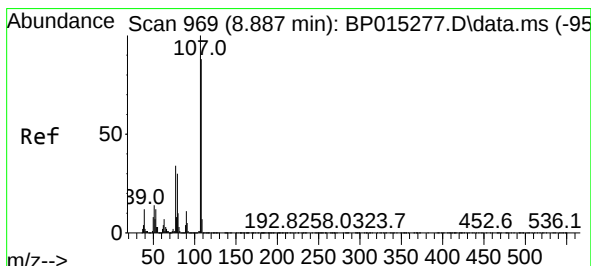
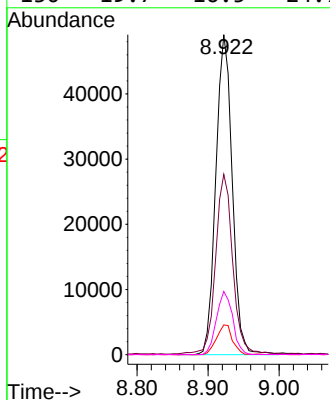
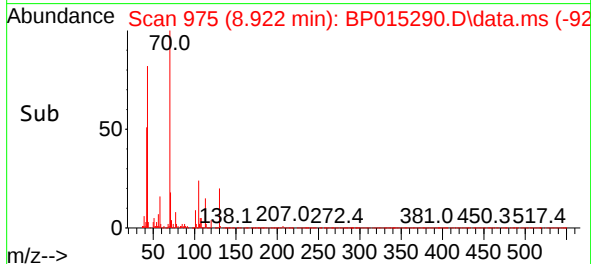
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 70 Resp: 7852
Ion Ratio Lower Upper
70 100
42 56.3 45.4 68.2
101 9.3 7.9 11.9
130 19.7 16.5 24.7

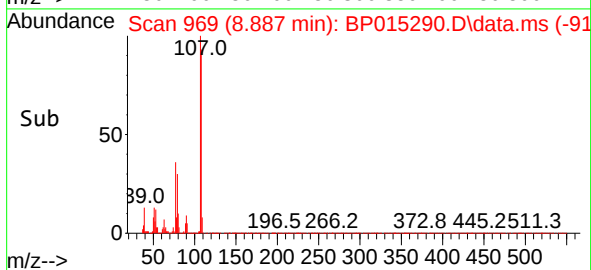
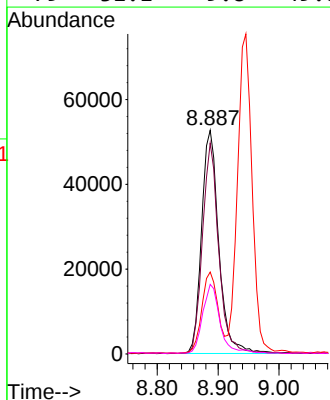
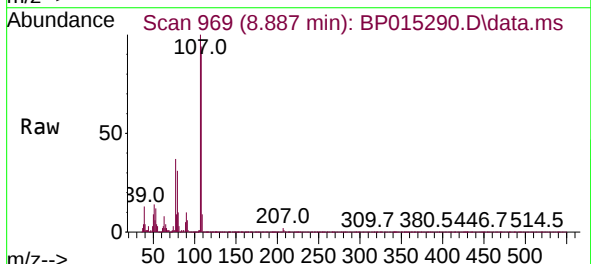
Manual Integrations
APPROVED

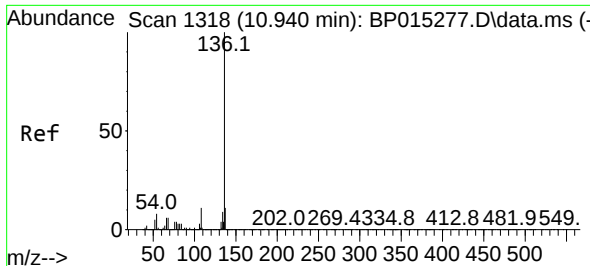
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#20
3+4-Methylphenols
Concen: 7.267 ng
RT: 8.887 min Scan# 969
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

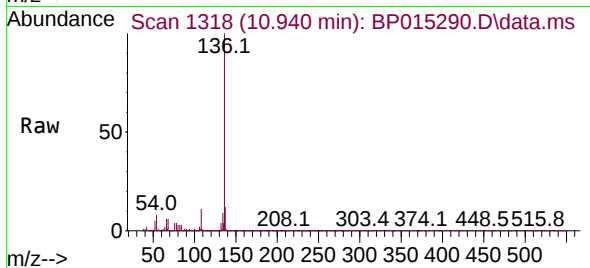
Tgt Ion:107 Resp: 103752
Ion Ratio Lower Upper
107 100
108 94.3 68.0 108.0
77 36.6 14.5 54.5
79 31.1 9.8 49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

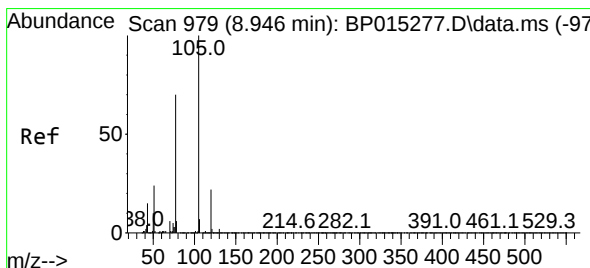
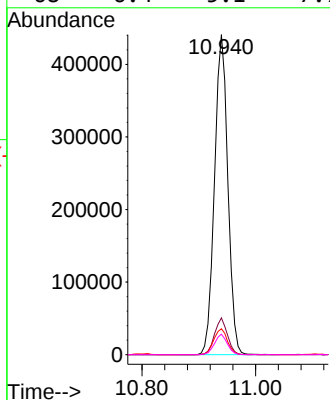
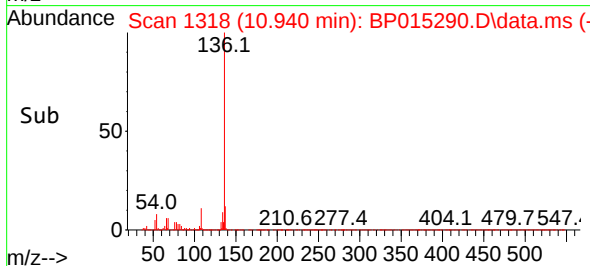
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:136 Resp: 718378
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.1 6.3 9.5
68 6.4 5.1 7.7

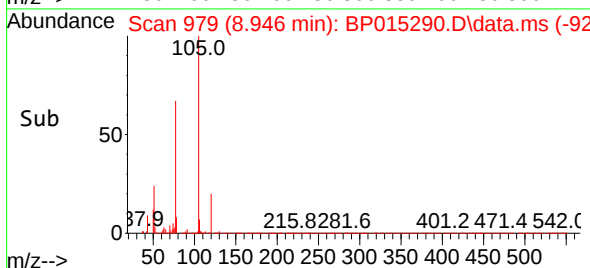
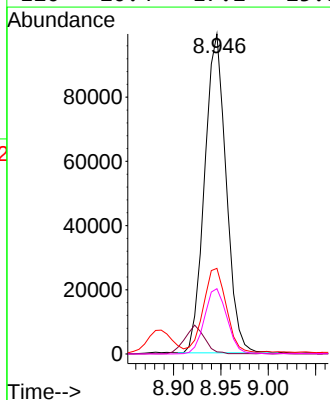
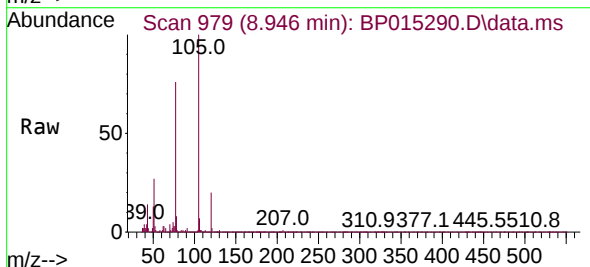
Manual Integrations
APPROVED

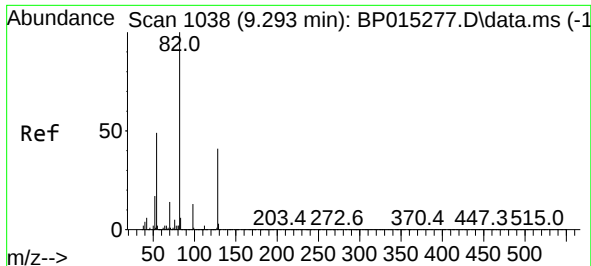
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#22
Acetophenone
Concen: 8.422 ng
RT: 8.946 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

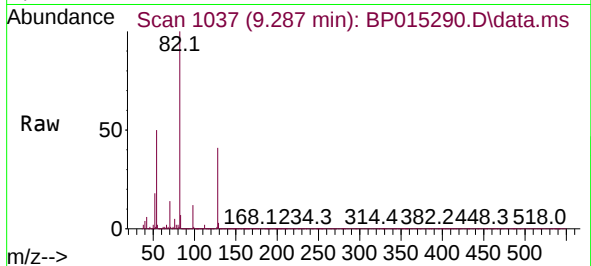
Tgt Ion:105 Resp: 157145
Ion Ratio Lower Upper
105 100
71 0.6 1.5 2.3#
51 26.8 22.5 33.7
120 20.4 17.2 25.8





#23
Nitrobenzene-d5
Concen: 67.623 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

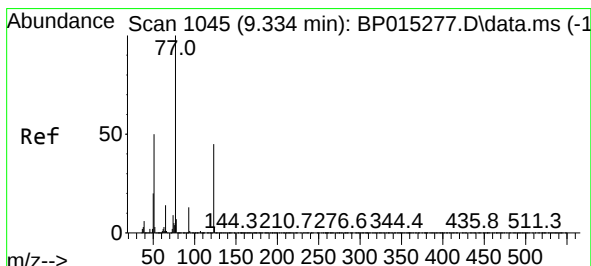
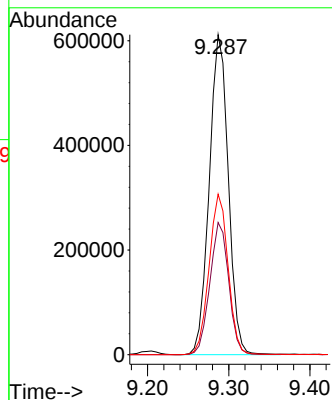
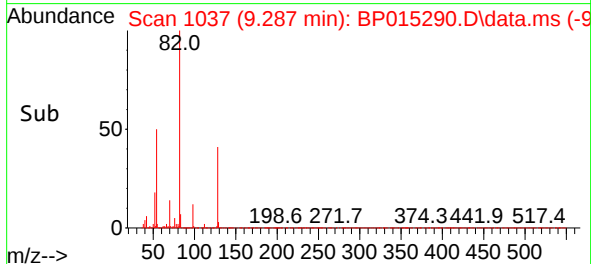
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 82 Resp: 994934
Ion Ratio Lower Upper
82 100
128 41.3 33.0 49.4
54 50.1 39.2 58.8

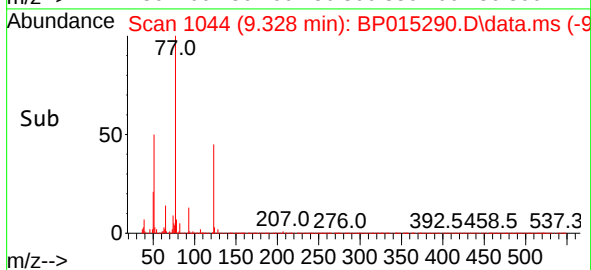
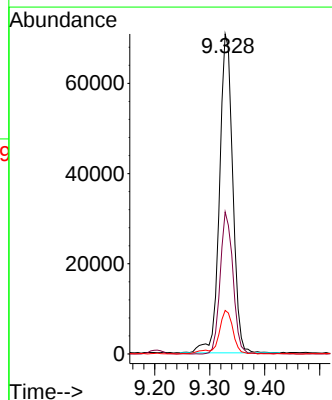
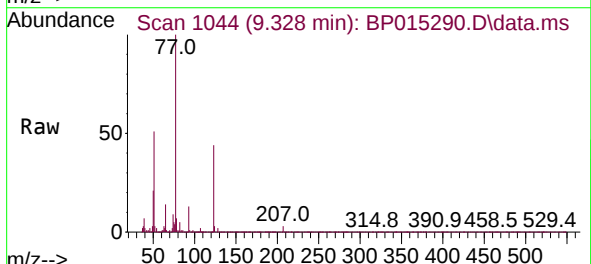
Manual Integrations
APPROVED

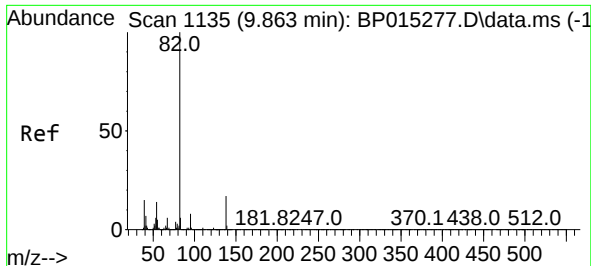
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#24
Nitrobenzene
Concen: 8.083 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 77 Resp: 118422
Ion Ratio Lower Upper
77 100
123 44.4 36.2 54.4
65 13.6 10.8 16.2





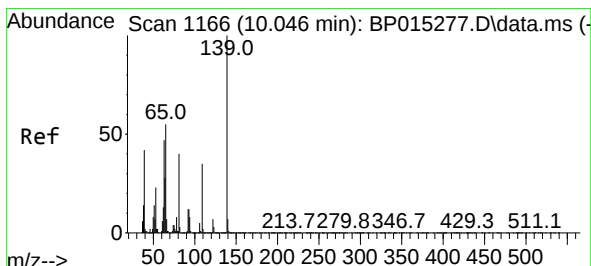
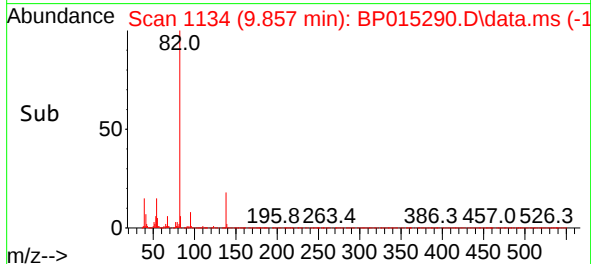
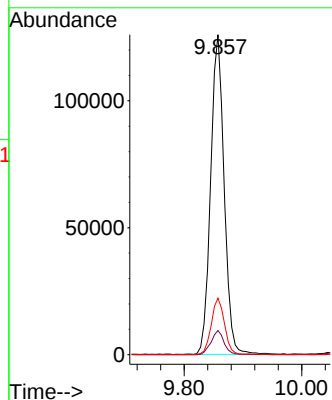
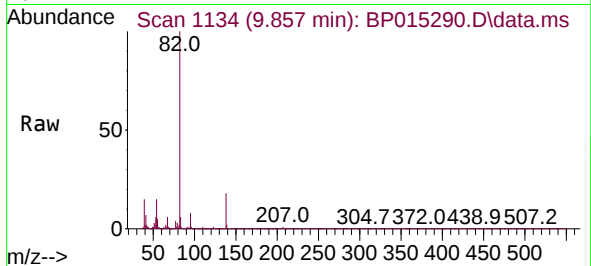
#25
Isophorone
Concen: 7.595 ng
RT: 9.857 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion: 82 Resp: 200538
Ion Ratio Lower Upper
82 100
95 7.5 6.3 9.5
138 17.6 13.6 20.4

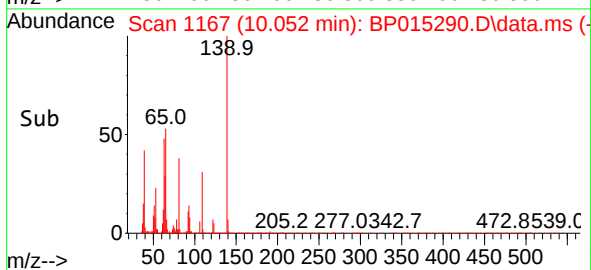
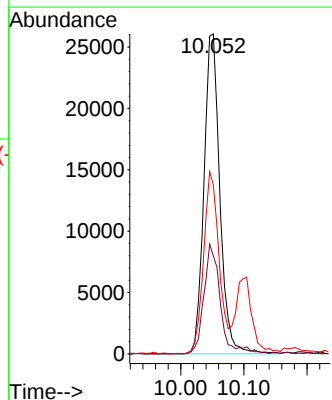
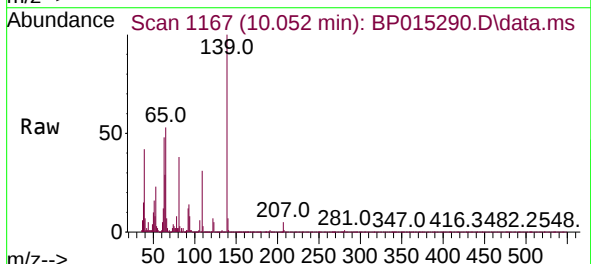
Manual Integrations
APPROVED

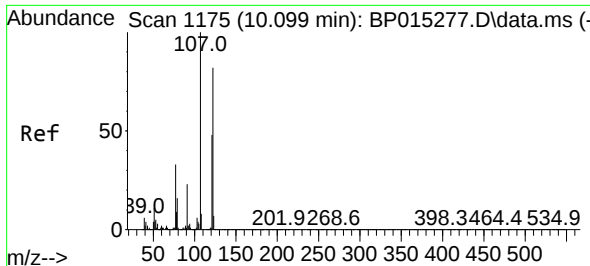
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#26
2-Nitrophenol
Concen: 7.111 ng
RT: 10.052 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

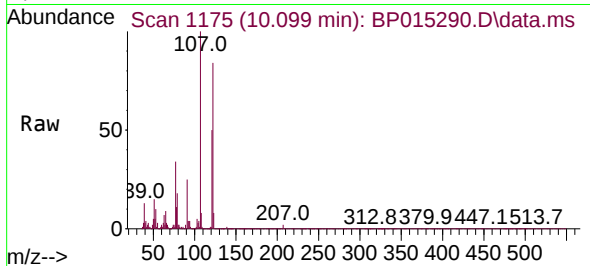
Tgt Ion:139 Resp: 45726
Ion Ratio Lower Upper
139 100
109 30.6 28.4 42.6
65 52.8 43.8 65.8





#27
2,4-Dimethylphenol
Concen: 8.000 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

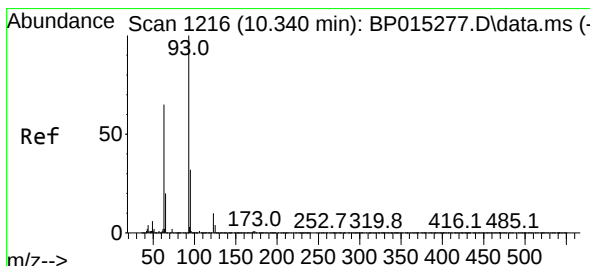
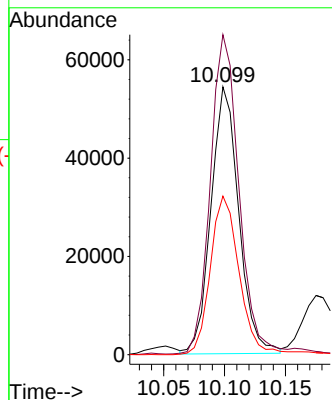
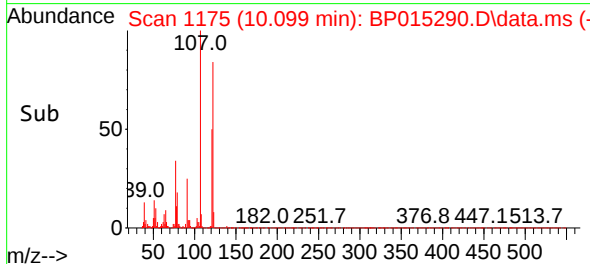
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



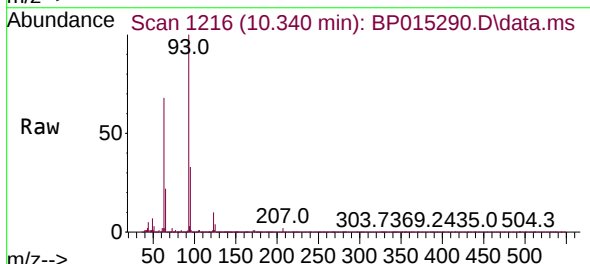
Tgt Ion:122 Resp: 8624
Ion Ratio Lower Upper
122 100
107 119.5 95.9 143.9
121 59.2 45.8 68.8

Manual Integrations
APPROVED

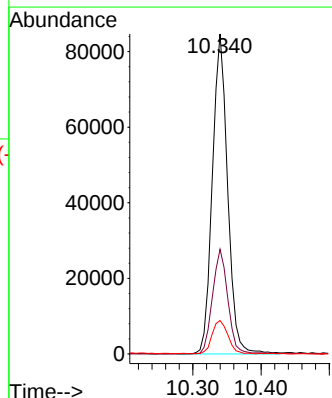
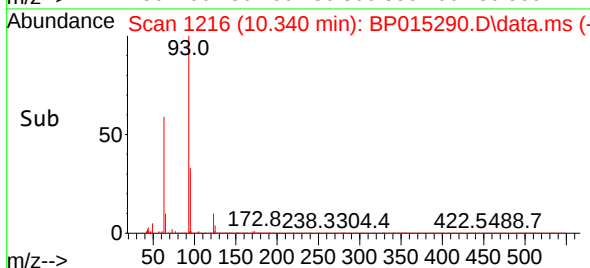
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

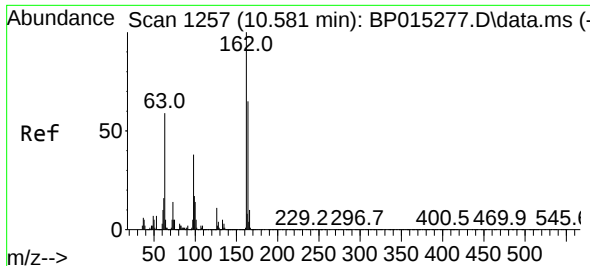


#28
bis(2-Chloroethoxy)methane
Concen: 8.101 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



Tgt Ion: 93 Resp: 131827
Ion Ratio Lower Upper
93 100
95 32.7 26.0 39.0
123 10.5 8.4 12.6





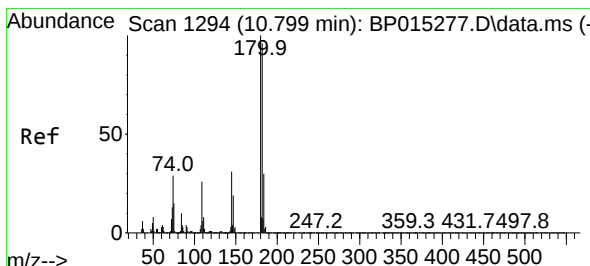
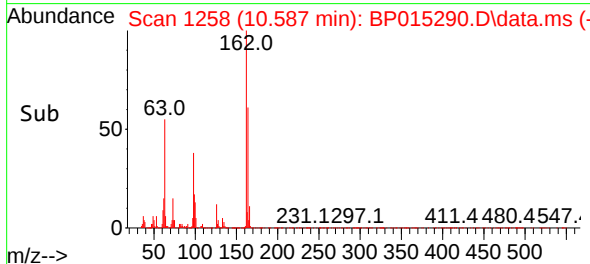
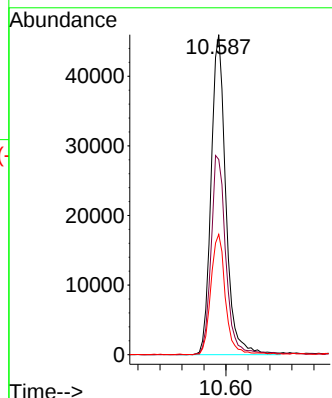
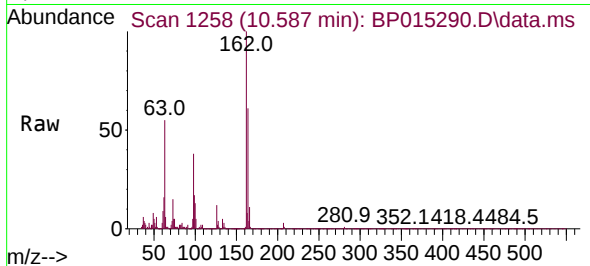
#29
2,4-Dichlorophenol
Concen: 7.659 ng
RT: 10.587 min Scan# 1257
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion:162 Resp: 85600
Ion Ratio Lower Upper
162 100
164 61.0 45.4 85.4
98 37.6 17.9 57.9

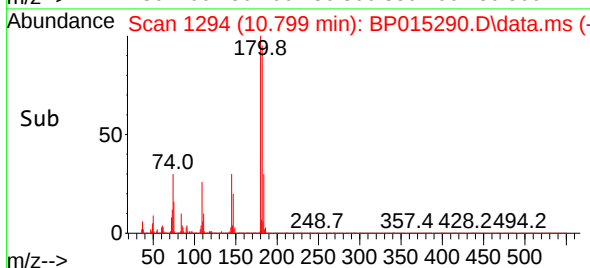
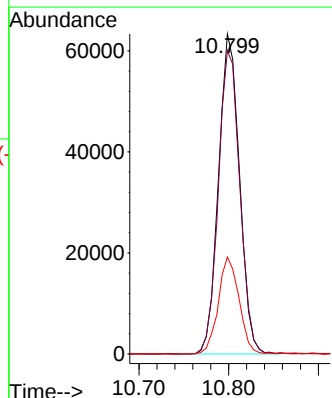
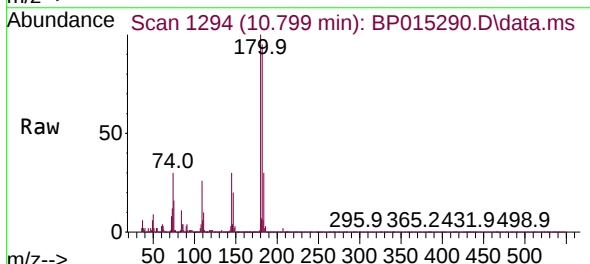
Manual Integrations
APPROVED

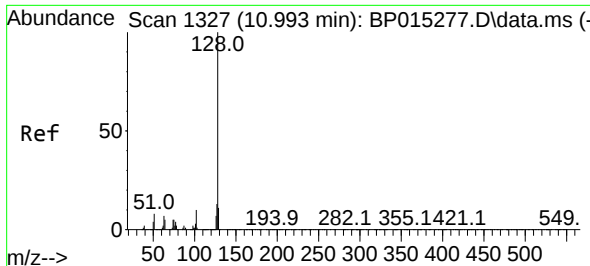
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#30
1,2,4-Trichlorobenzene
Concen: 8.242 ng
RT: 10.799 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:180 Resp: 102766
Ion Ratio Lower Upper
180 100
182 94.8 76.6 115.0
145 30.3 24.9 37.3





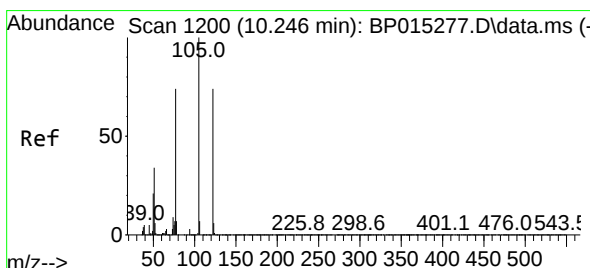
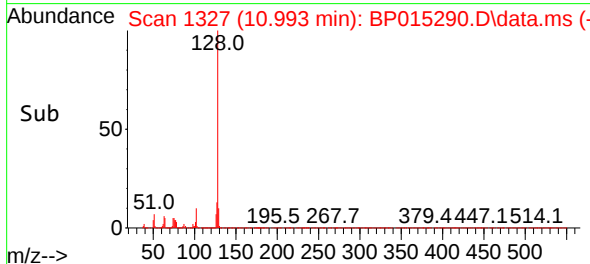
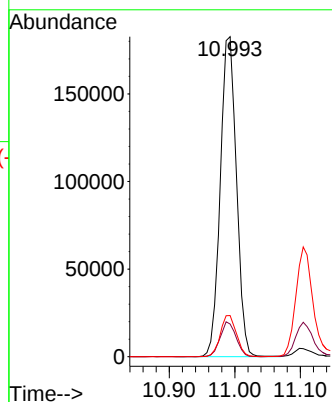
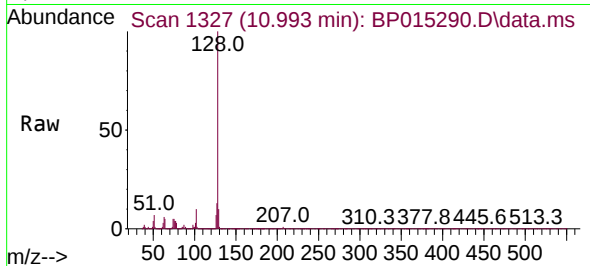
#31
Naphthalene
Concen: 8.243 ng
RT: 10.993 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion:128 Resp: 31185
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 12.9 10.4 15.6

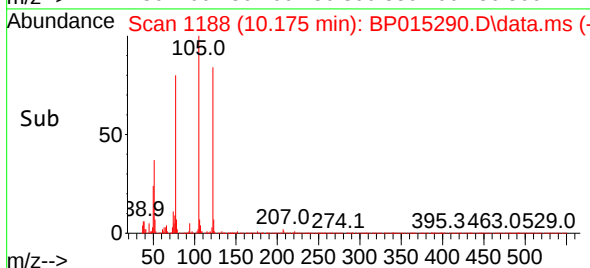
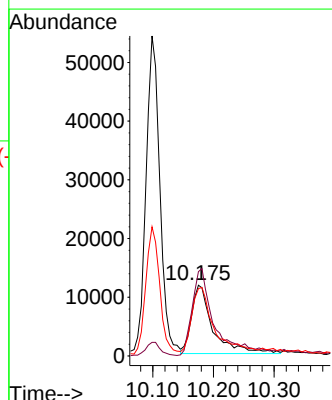
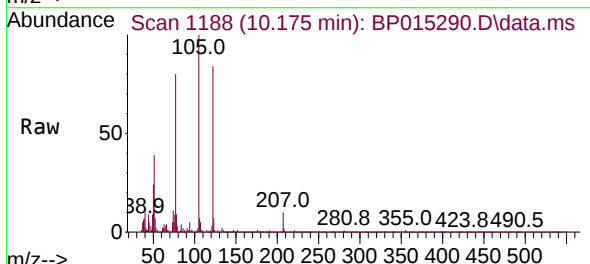
Manual Integrations
APPROVED

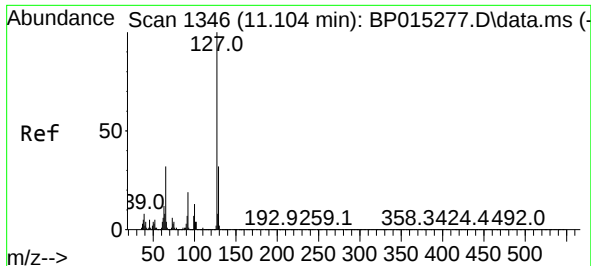
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#32
Benzoic acid
Concen: 9.260 ng m
RT: 10.175 min Scan# 1188
Delta R.T. -0.071 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

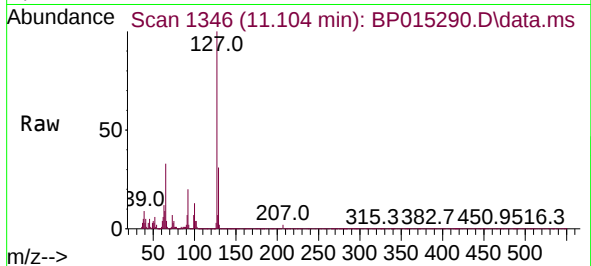
Tgt Ion:122 Resp: 28701
Ion Ratio Lower Upper
122 100
105 119.3 109.5 149.5
77 95.4 78.2 118.2





#33
4-Chloroaniline
Concen: 7.441 ng
RT: 11.104 min Scan# 11346
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

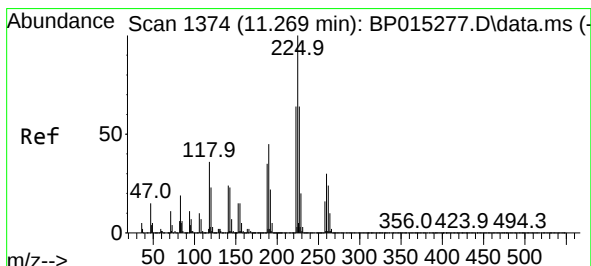
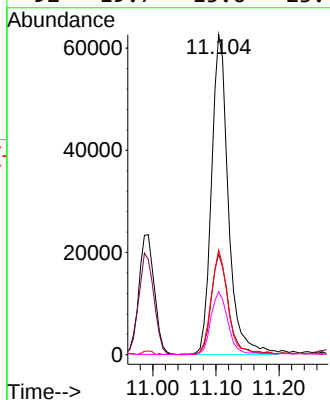
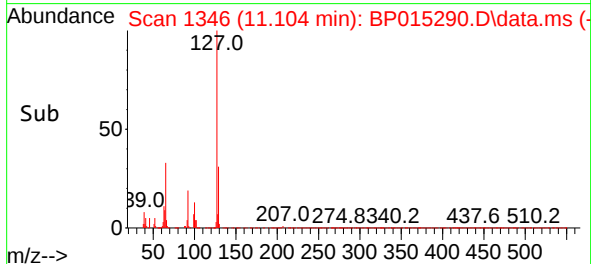
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:127 Resp: 11638
Ion Ratio Lower Upper
127 100
129 31.4 25.5 38.3
65 32.7 25.3 37.9
92 19.7 15.6 23.4

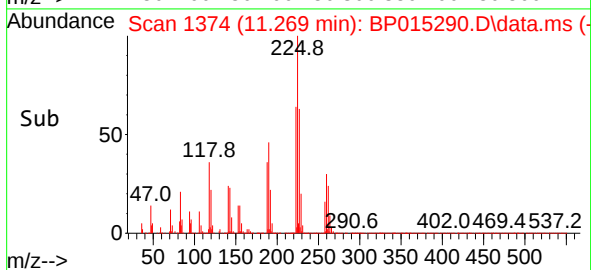
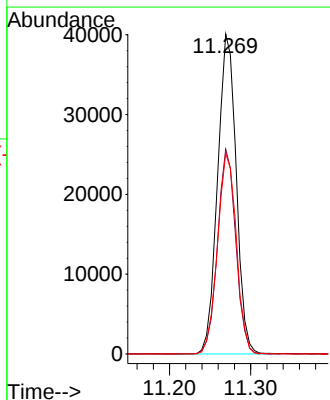
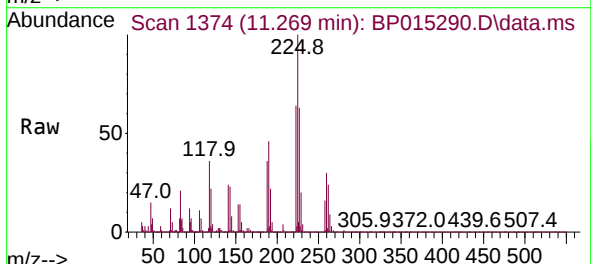
Manual Integrations
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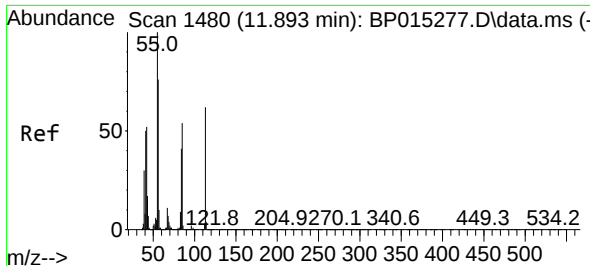
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#34
Hexachlorobutadiene
Concen: 8.099 ng
RT: 11.269 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

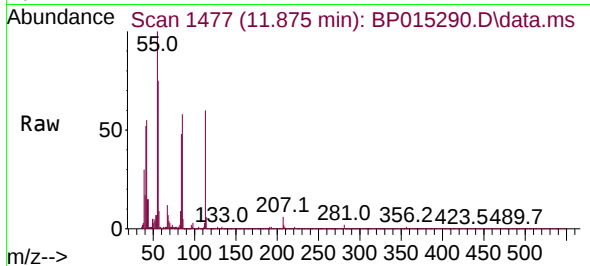
Tgt Ion:225 Resp: 63983
Ion Ratio Lower Upper
225 100
223 64.0 51.0 76.4
227 62.7 51.4 77.2





#35
Caprolactam
Concen: 6.531 ng
RT: 11.875 min Scan# 1480
Delta R.T. -0.018 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

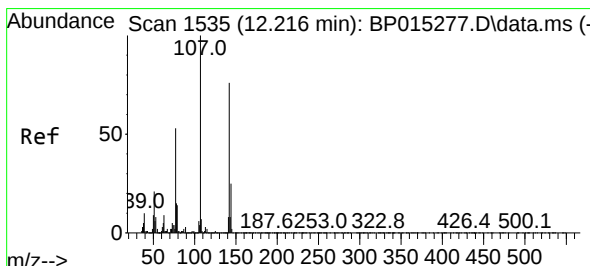
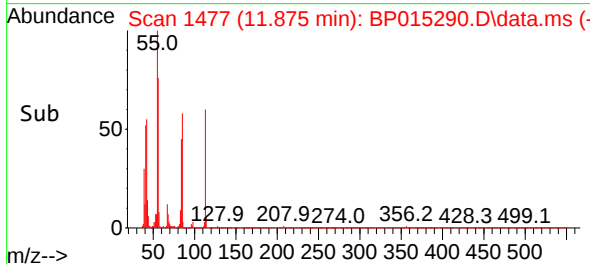
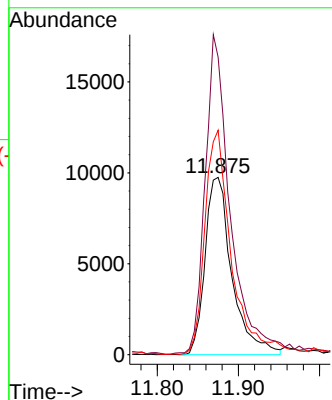
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:113 Resp: 2241
Ion Ratio Lower Upper
113 100
55 167.9 141.4 181.4
56 126.7 102.5 142.5

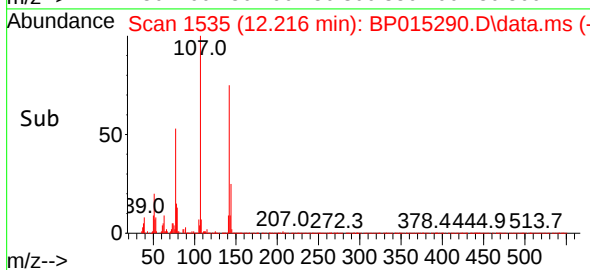
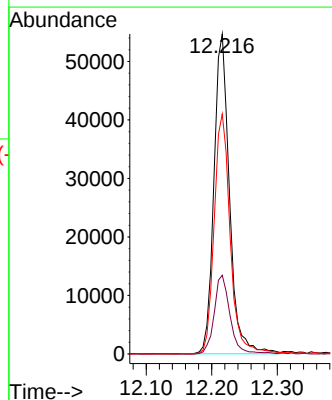
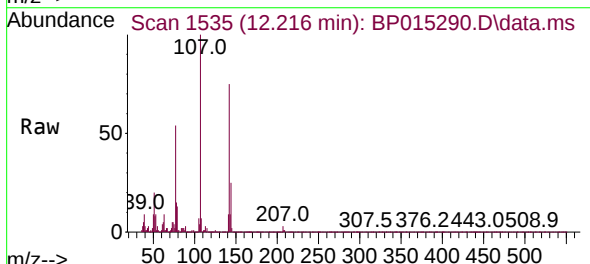
Manual Integrations
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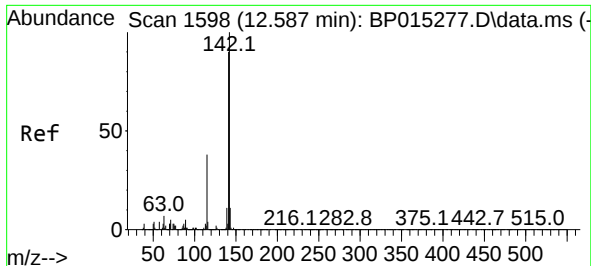
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#36
4-Chloro-3-methylphenol
Concen: 7.406 ng
RT: 12.216 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

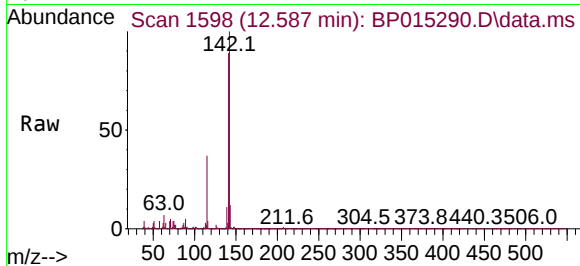
Tgt Ion:107 Resp: 90007
Ion Ratio Lower Upper
107 100
144 24.6 19.8 29.6
142 75.0 61.0 91.4





#37
2-Methylnaphthalene
Concen: 7.944 ng
RT: 12.587 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

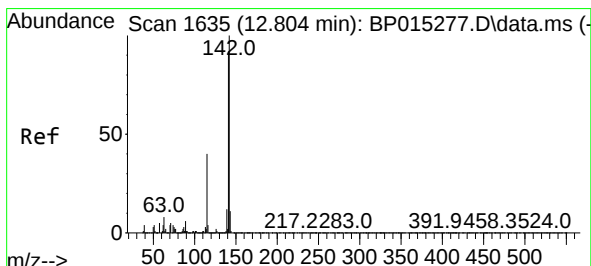
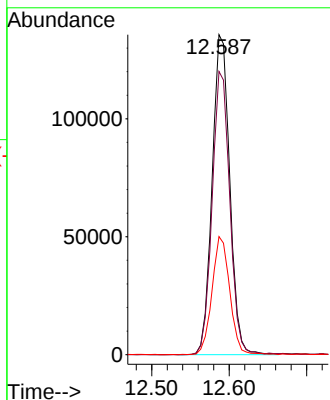
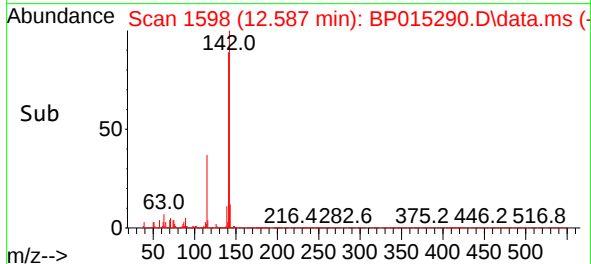
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



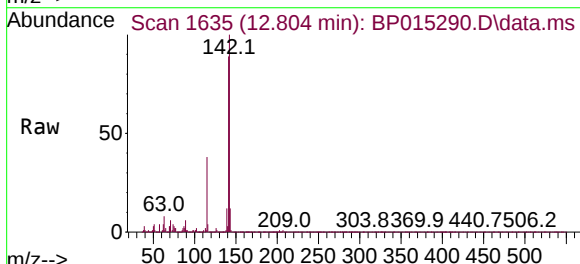
Tgt Ion:142 Resp: 213620
Ion Ratio Lower Upper
142 100
141 88.5 72.0 108.0
115 36.9 30.6 46.0

Manual Integrations
APPROVED

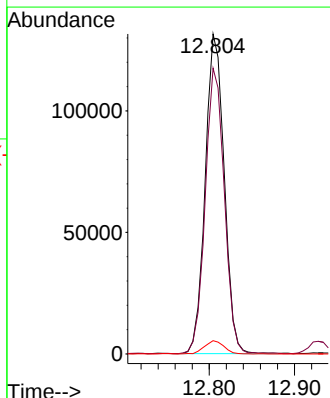
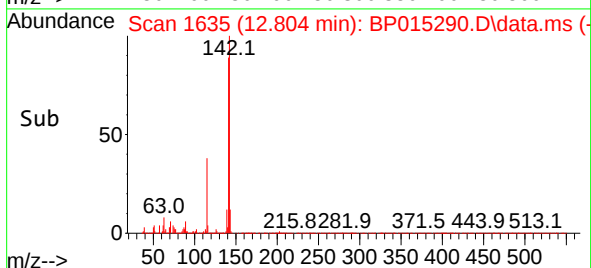
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

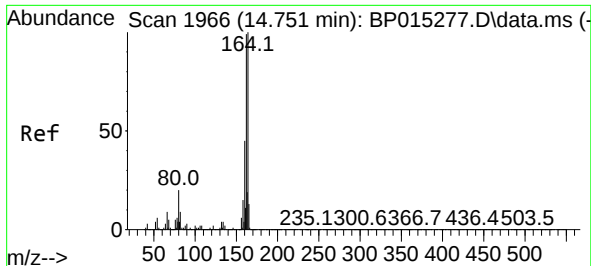


#38
1-Methylnaphthalene
Concen: 8.096 ng
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



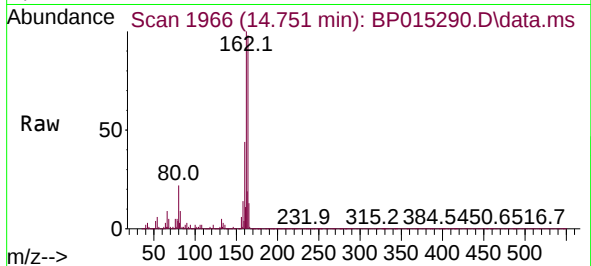
Tgt Ion:142 Resp: 203109
Ion Ratio Lower Upper
142 100
141 89.3 73.8 110.6
116 4.1 3.4 5.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.751 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

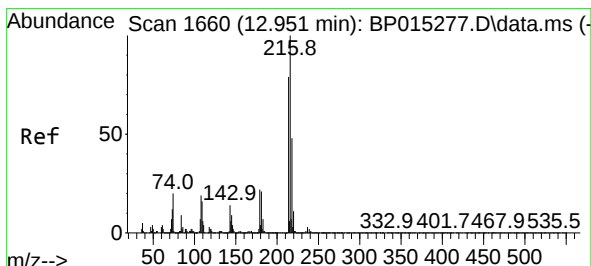
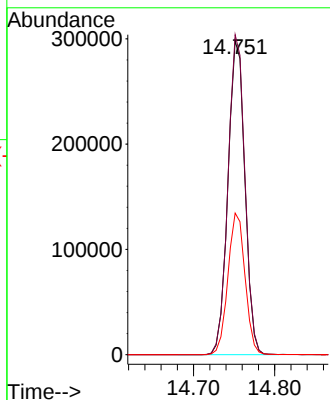
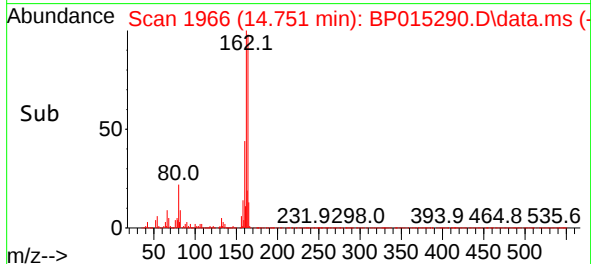
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



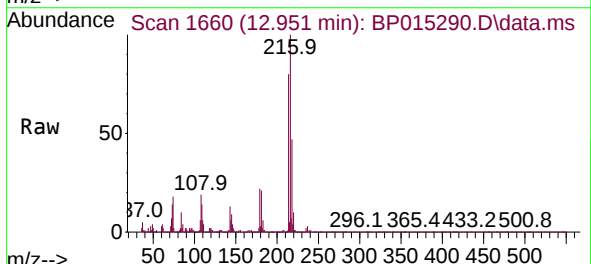
Tgt Ion:164 Resp: 431808
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.2
160 45.2 35.6 53.4

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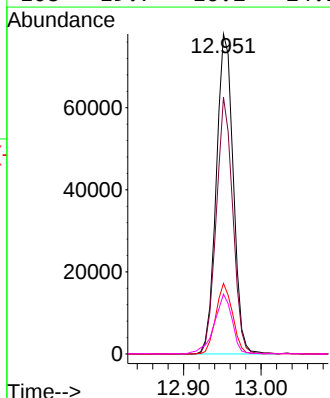
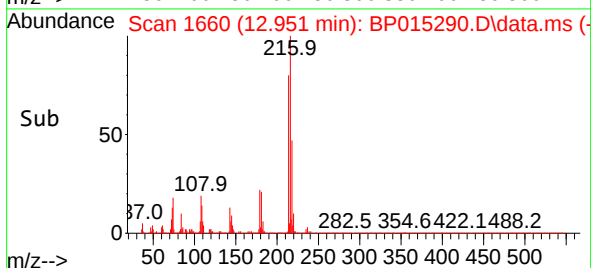
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

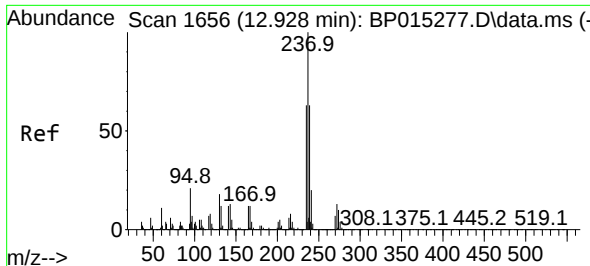


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.351 ng
RT: 12.951 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



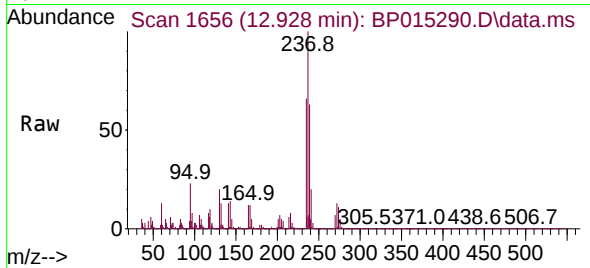
Tgt Ion:216 Resp: 118316
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 21.8 17.3 25.9
108 19.7 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 7.813 ng
RT: 12.928 min Scan# 1656
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

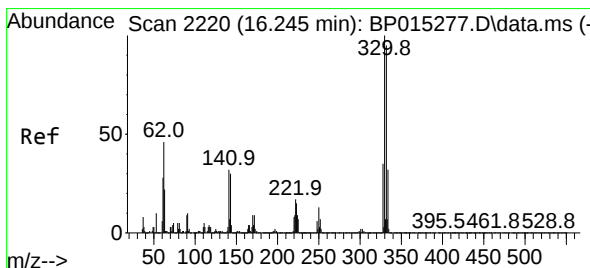
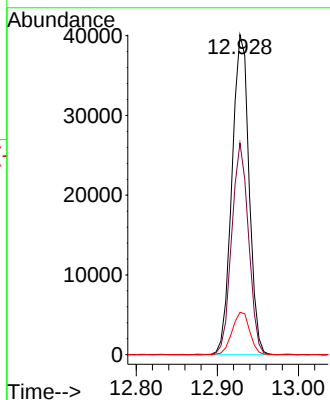
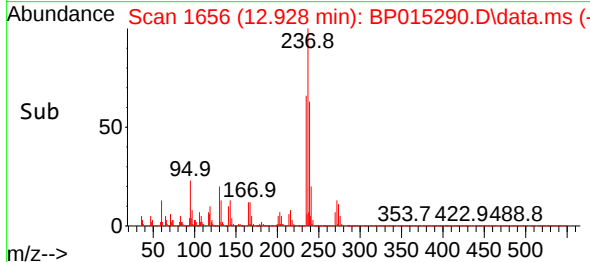
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 237 Resp: 5863
Ion Ratio Lower Upper
237 100
235 66.2 43.2 83.2
272 13.3 0.0 32.7

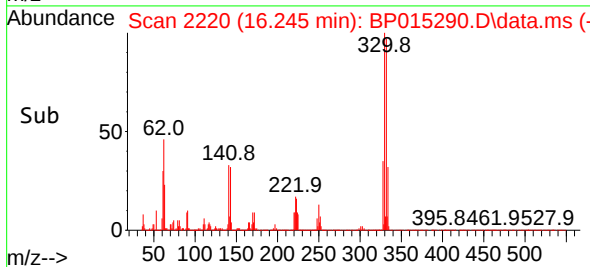
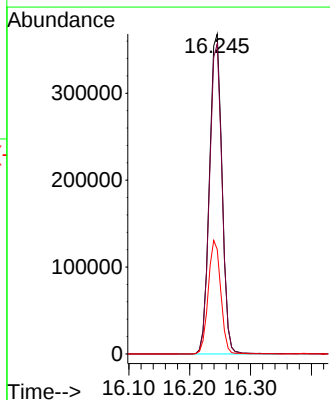
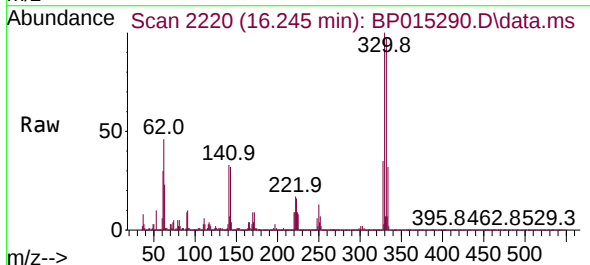
Manual Integrations
APPROVED

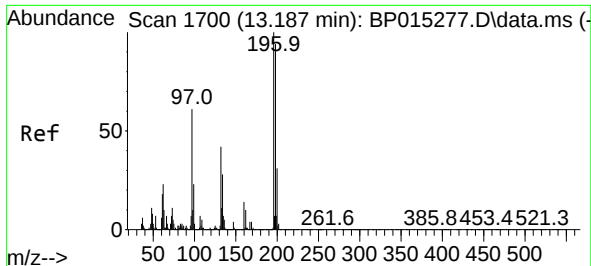
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023



#42
2,4,6-Tribromophenol
Concen: 89.786 ng
RT: 16.245 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

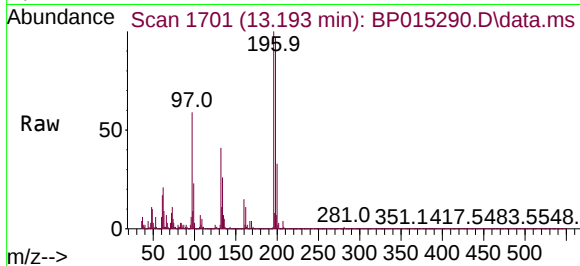
Tgt Ion: 330 Resp: 526863
Ion Ratio Lower Upper
330 100
332 97.0 76.3 114.5
141 35.3 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 7.430 ng
RT: 13.193 min Scan# 1700
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

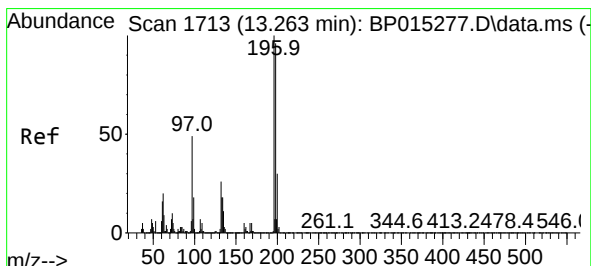
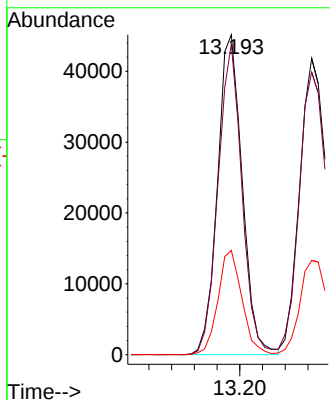
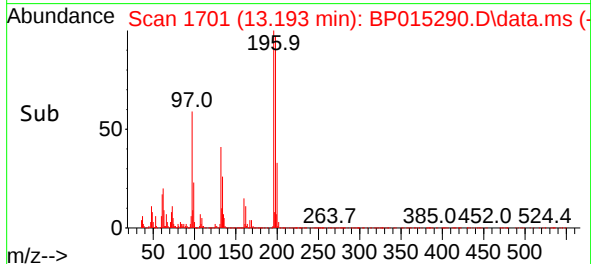
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



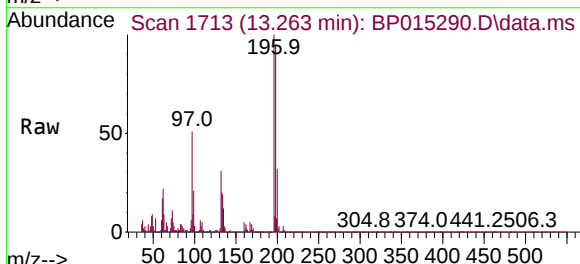
Tgt Ion:196 Resp: 68334
Ion Ratio Lower Upper
196 100
198 97.1 75.0 112.4
200 32.6 24.4 36.6

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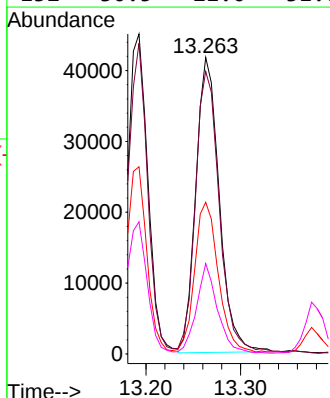
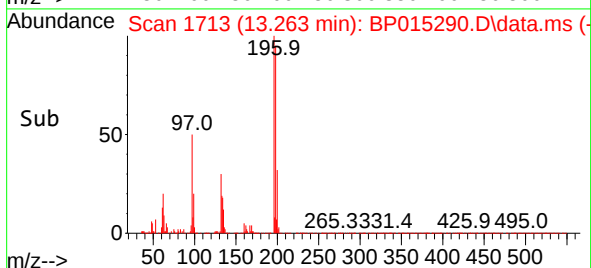
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

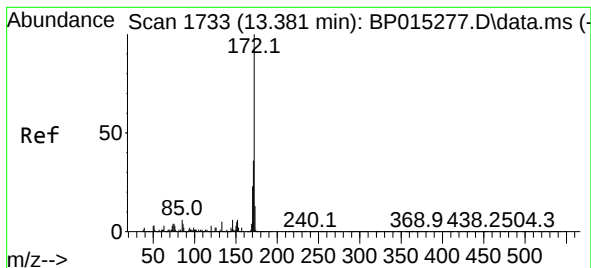


#44
2,4,5-Trichlorophenol
Concen: 6.646 ng
RT: 13.263 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



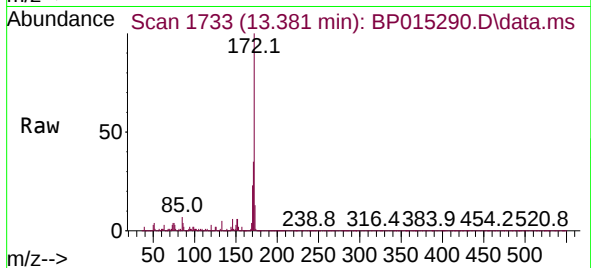
Tgt Ion:196 Resp: 71850
Ion Ratio Lower Upper
196 100
198 95.3 76.8 115.2
97 51.2 39.3 58.9
132 30.5 21.0 31.6





#45
2-Fluorobiphenyl
Concen: 67.339 ng
RT: 13.381 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

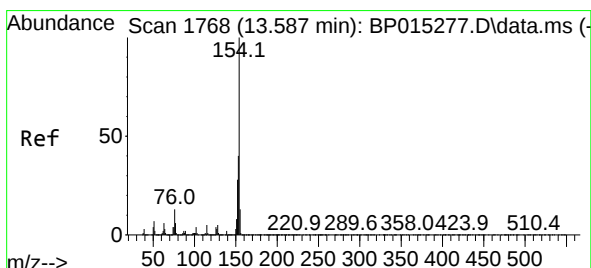
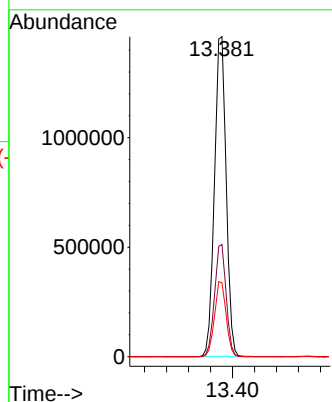
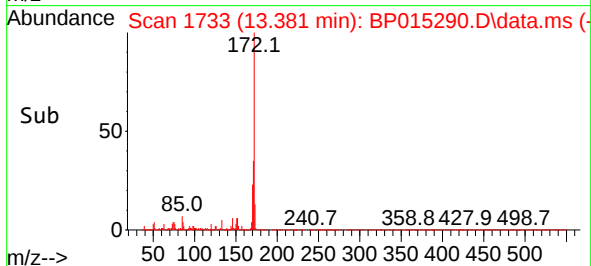
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



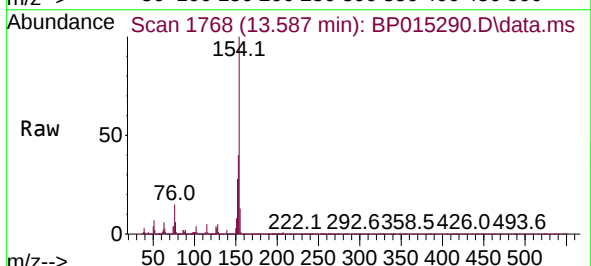
Tgt Ion:172 Resp: 2165849
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 18.7 28.1

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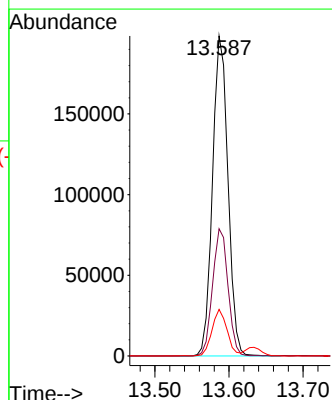
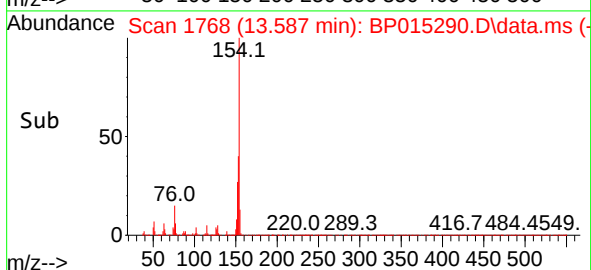
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

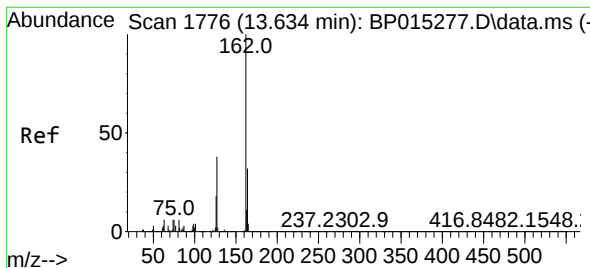


#46
1,1'-Biphenyl
Concen: 8.383 ng
RT: 13.587 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



Tgt Ion:154 Resp: 286823
Ion Ratio Lower Upper
154 100
153 39.8 20.3 60.3
76 14.6 0.0 33.1





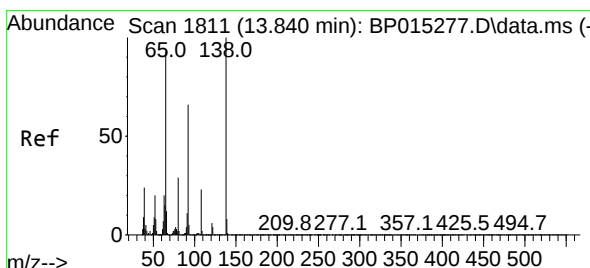
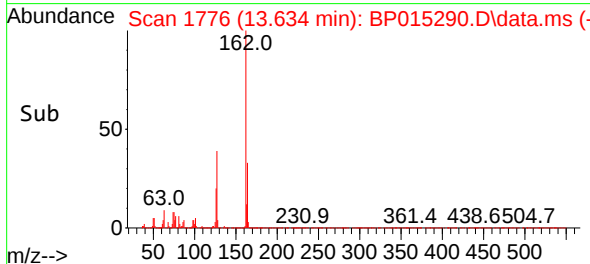
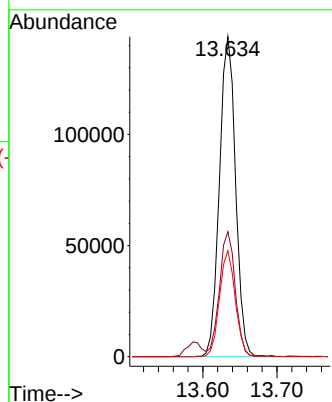
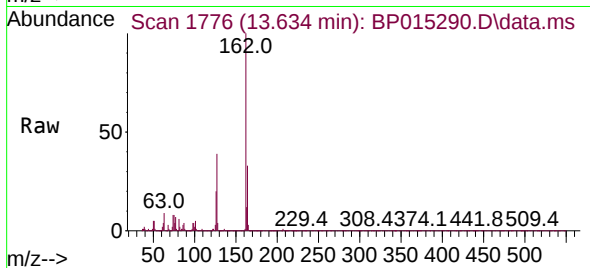
#47
2-Chloronaphthalene
Concen: 8.452 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion: 162 Resp: 21814
Ion Ratio Lower Upper
162 100
127 39.1 31.7 47.5
164 33.1 25.8 38.8

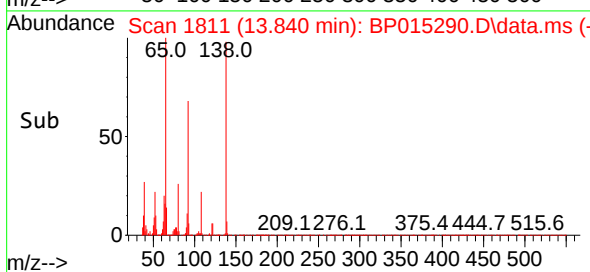
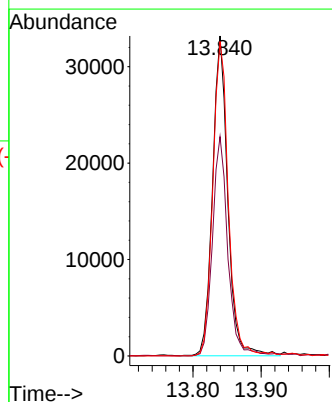
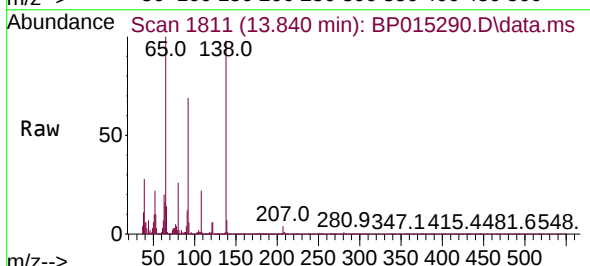
Manual Integrations
APPROVED

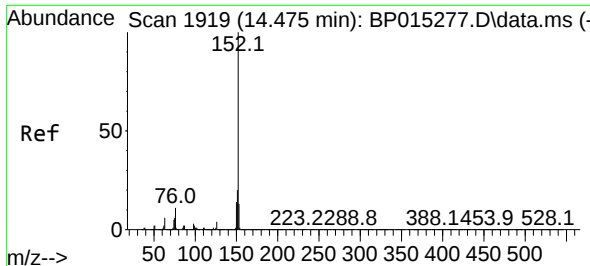
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#48
2-Nitroaniline
Concen: 6.547 ng
RT: 13.840 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

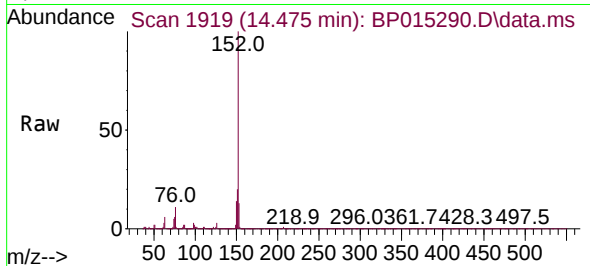
Tgt Ion: 65 Resp: 51621
Ion Ratio Lower Upper
65 100
92 68.5 56.5 84.7
138 98.3 85.7 128.5





#49
Acenaphthylene
Concen: 7.887 ng
RT: 14.475 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

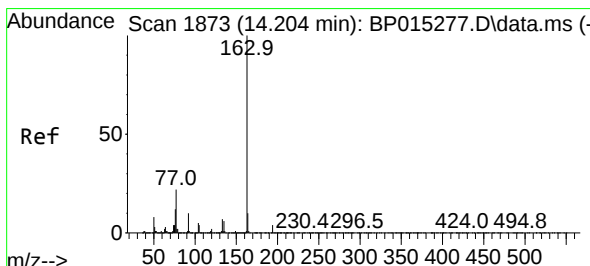
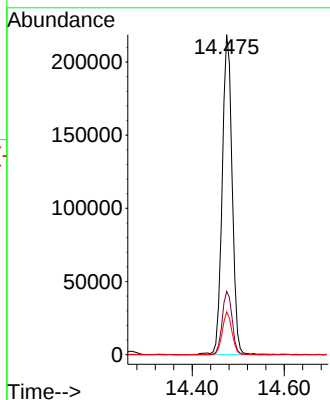
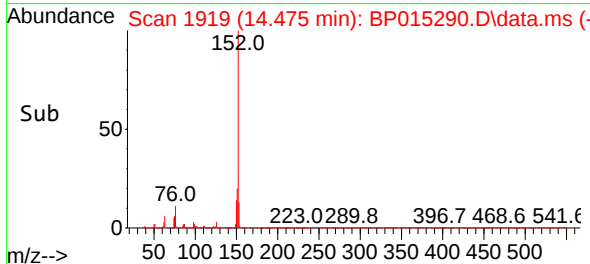
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



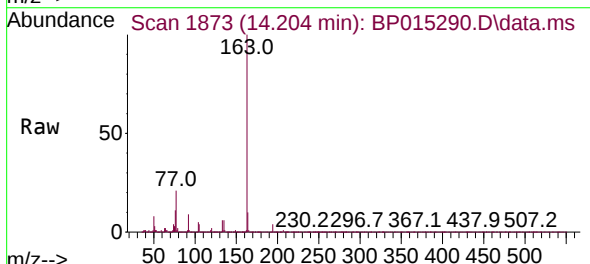
Tgt Ion:152 Resp: 32572
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.3 10.6 16.0

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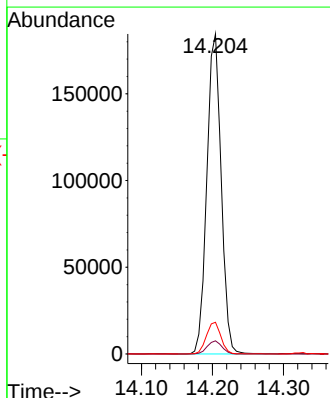
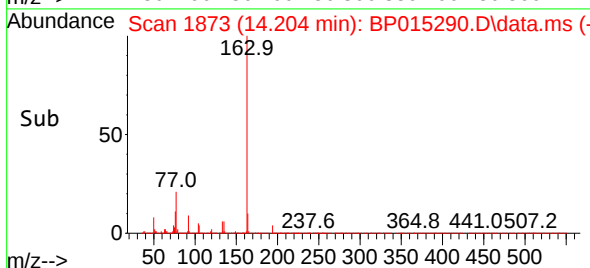
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

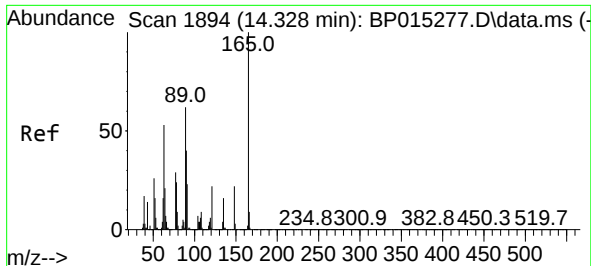


#50
Dimethylphthalate
Concen: 7.663 ng
RT: 14.204 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



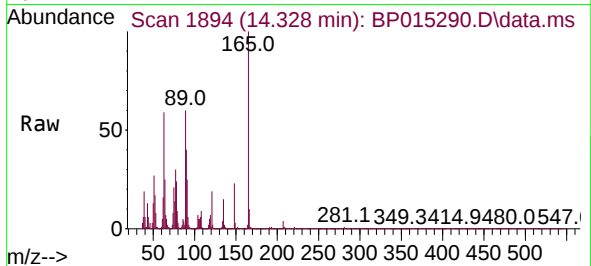
Tgt Ion:163 Resp: 258870
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 9.9 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 7.206 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

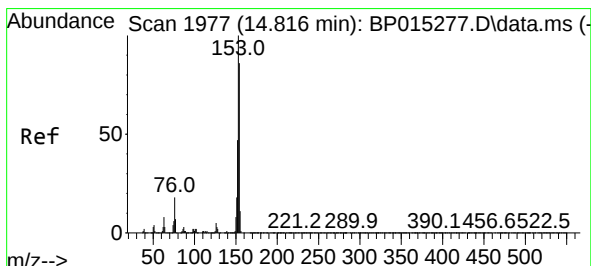
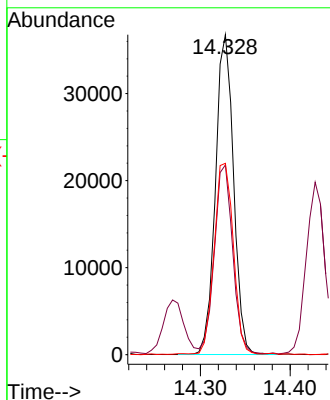
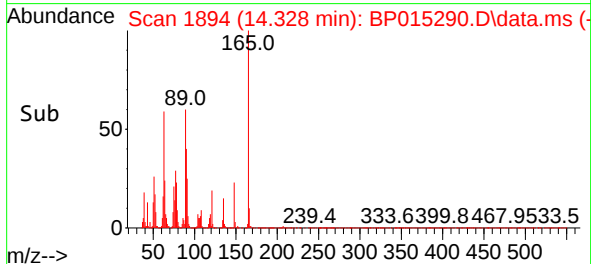
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 51398
Ion Ratio Lower Upper
165 100
63 59.3 46.6 70.0
89 59.8 49.7 74.5

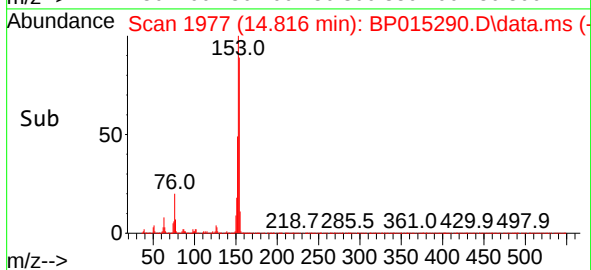
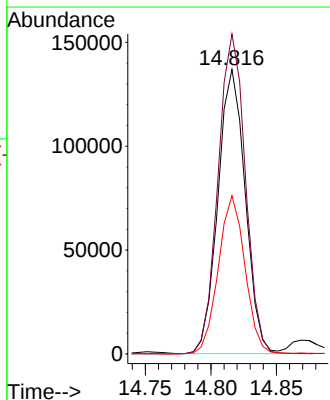
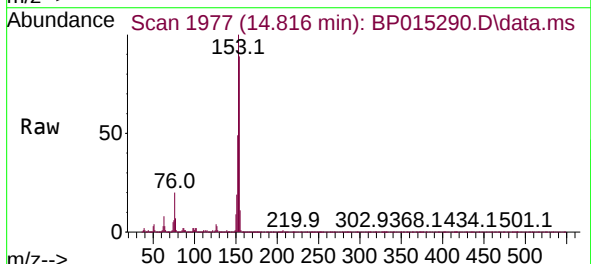
Manual Integrations
APPROVED

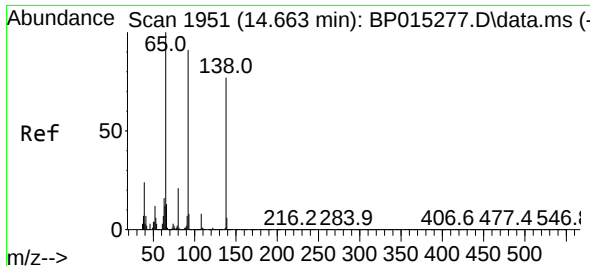
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#52
Acenaphthene
Concen: 8.068 ng
RT: 14.816 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:154 Resp: 198437
Ion Ratio Lower Upper
154 100
153 112.5 92.8 139.2
152 55.6 44.0 66.0





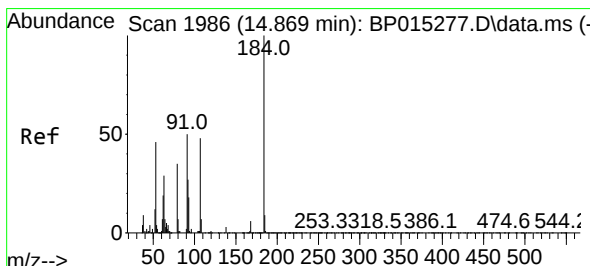
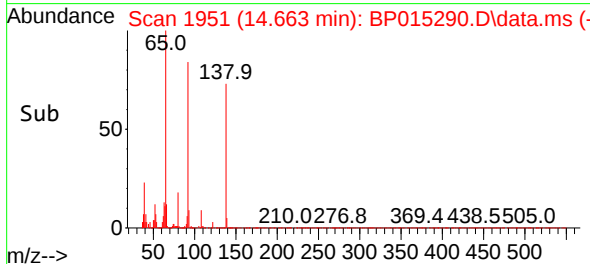
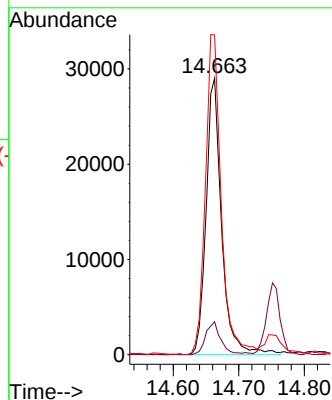
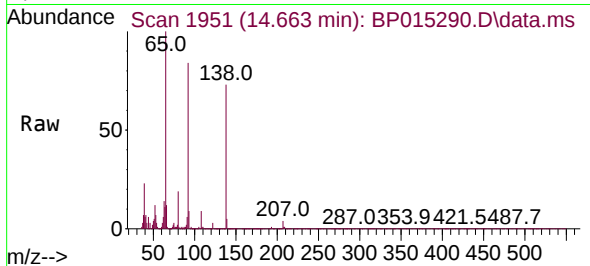
#53
3-Nitroaniline
Concen: 6.563 ng
RT: 14.663 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion:138 Resp: 4784
Ion Ratio Lower Upper
138 100
108 11.9 8.6 13.0
92 115.7 94.0 141.0

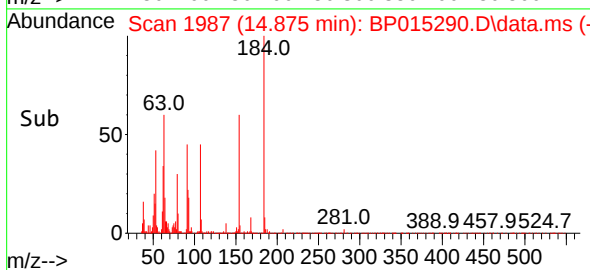
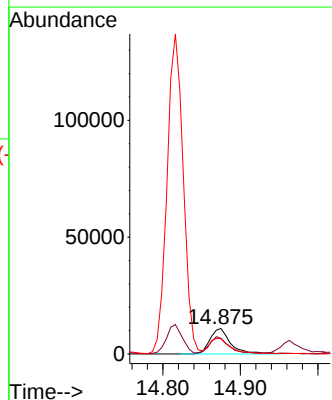
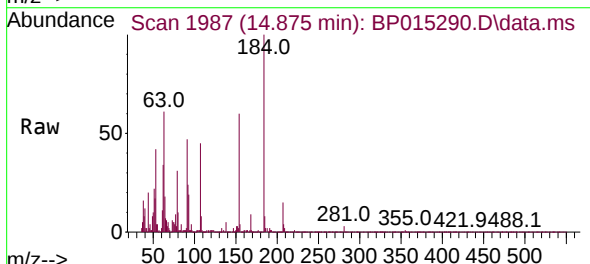
Manual Integrations
APPROVED

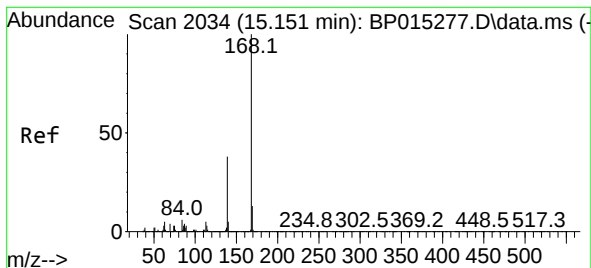
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#54
2,4-Dinitrophenol
Concen: 9.113 ng
RT: 14.875 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:184 Resp: 20146
Ion Ratio Lower Upper
184 100
63 61.3 56.2 84.4
154 59.5 53.2 79.8





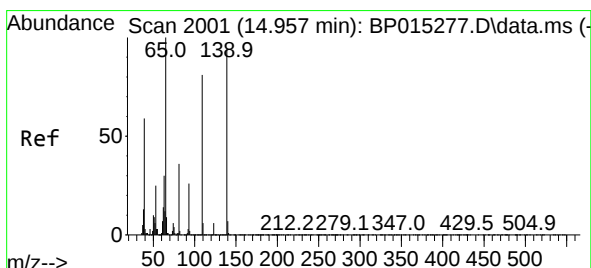
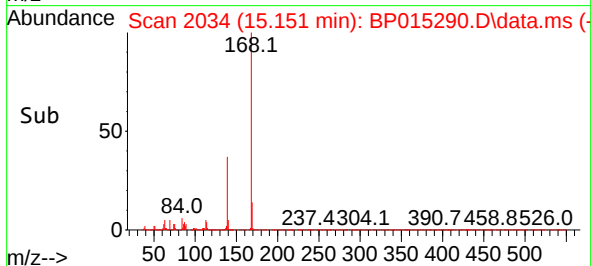
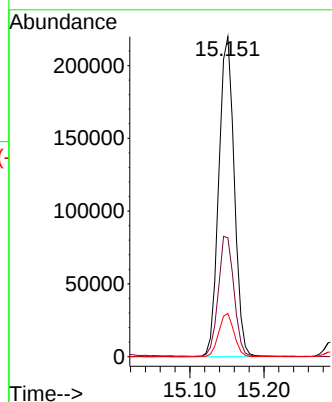
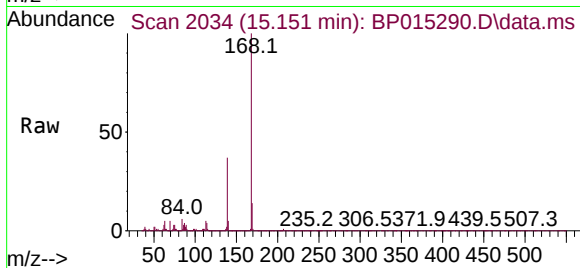
#55
Dibenzenofuran
Concen: 7.930 ng
RT: 15.151 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion:168 Resp: 31906
Ion Ratio Lower Upper
168 100
139 37.1 30.1 45.1
169 13.5 10.6 15.8

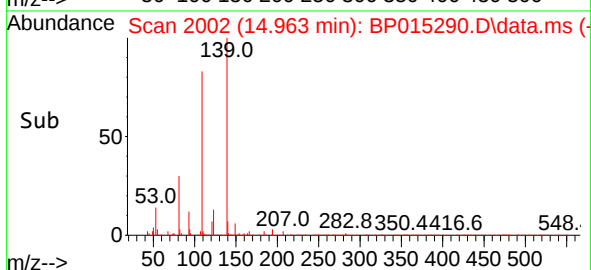
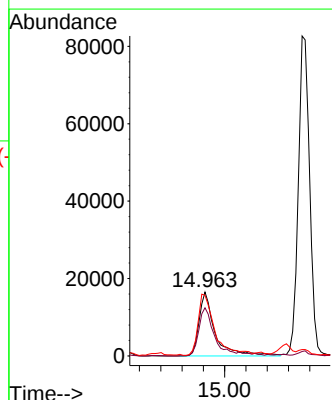
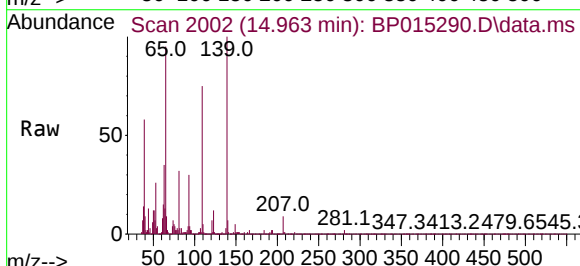
Manual Integrations
APPROVED

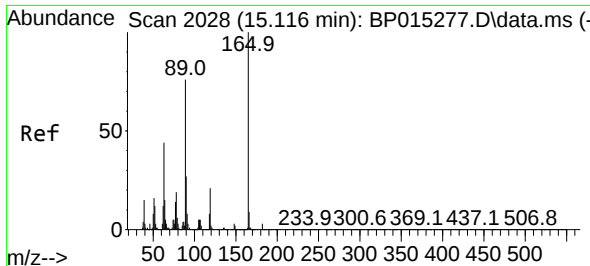
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#56
4-Nitrophenol
Concen: 8.542 ng
RT: 14.963 min Scan# 2002
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

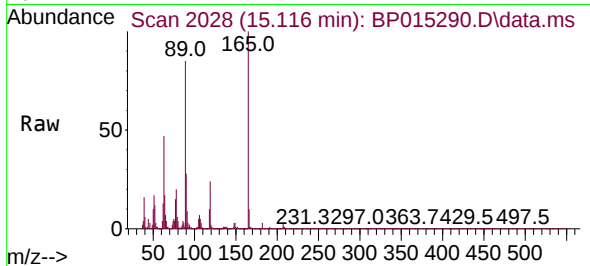
Tgt Ion:139 Resp: 34211
Ion Ratio Lower Upper
139 100
109 75.5 66.5 106.5
65 95.2 86.6 126.6





#57
2,4-Dinitrotoluene
Concen: 6.527 ng
RT: 15.116 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

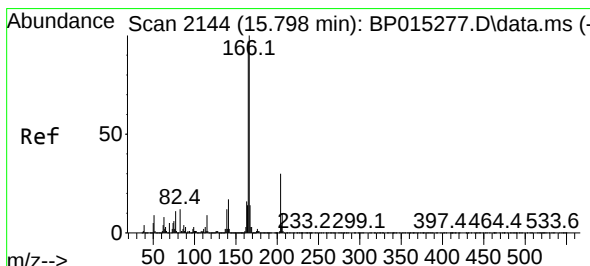
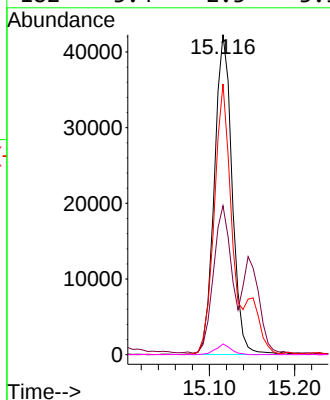
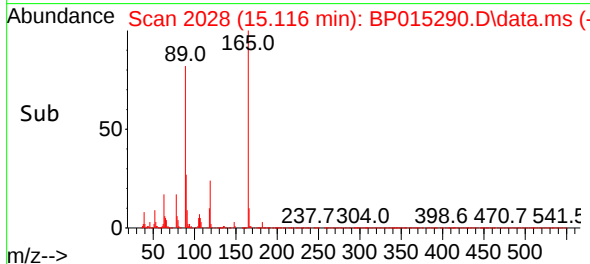
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



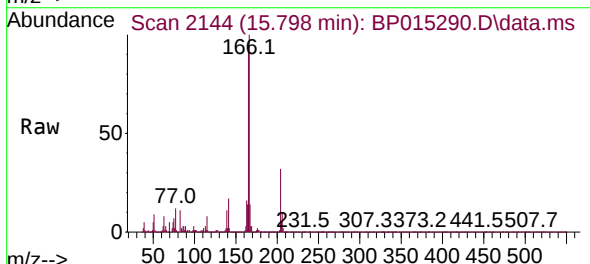
Tgt Ion:165 Resp: 61210
Ion Ratio Lower Upper
165 100
63 46.5 35.7 53.5
89 84.6 60.8 91.2
182 3.4 2.3 3.5

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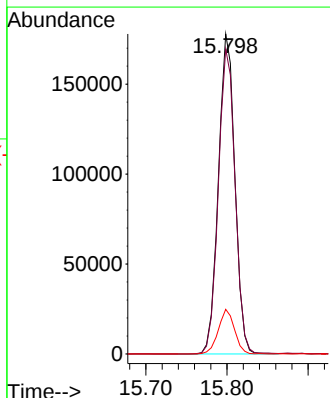
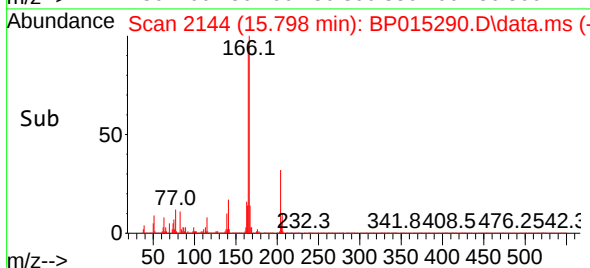
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

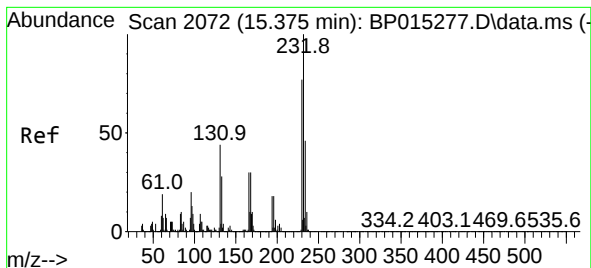


#58
Fluorene
Concen: 8.091 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



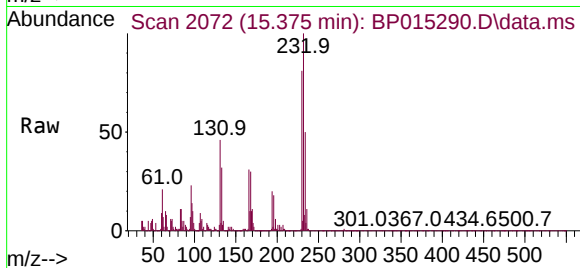
Tgt Ion:166 Resp: 251447
Ion Ratio Lower Upper
166 100
165 95.3 77.5 116.3
167 14.0 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.436 ng
RT: 15.375 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

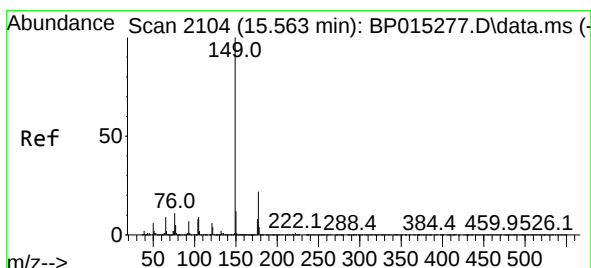
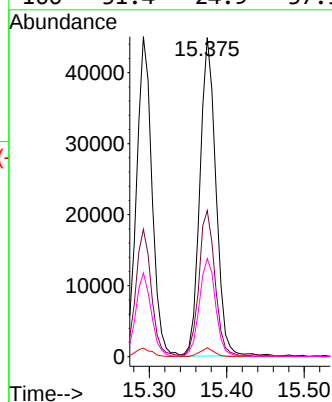
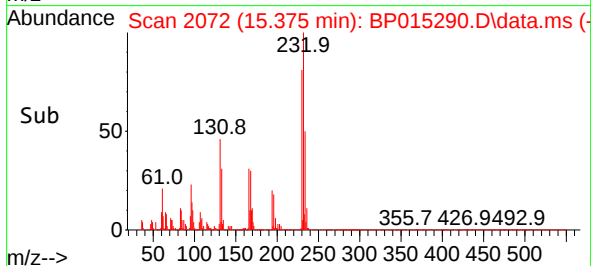
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:232 Resp: 6429
Ion Ratio Lower Upper
232 100
131 45.4 36.2 54.2
130 2.5 2.0 3.0
166 31.4 24.9 37.3

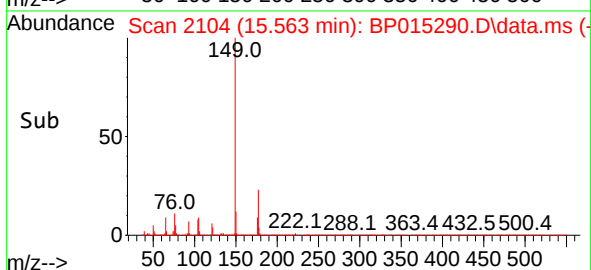
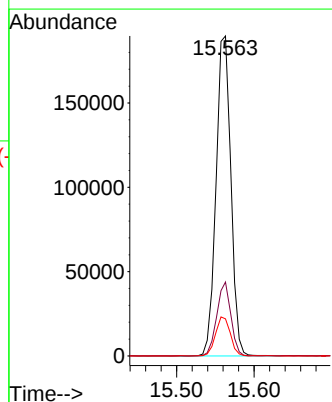
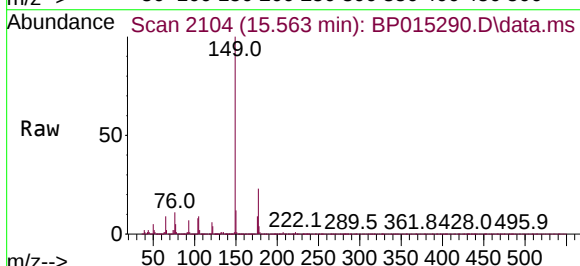
Manual Integrations
APPROVED

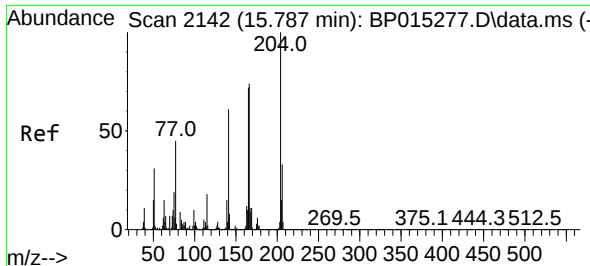
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#60
Diethylphthalate
Concen: 7.482 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

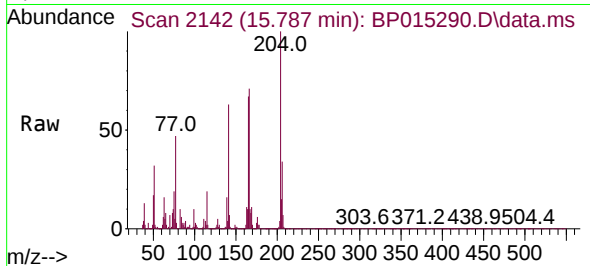
Tgt Ion:149 Resp: 251794
Ion Ratio Lower Upper
149 100
177 23.1 17.7 26.5
150 11.6 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 7.923 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

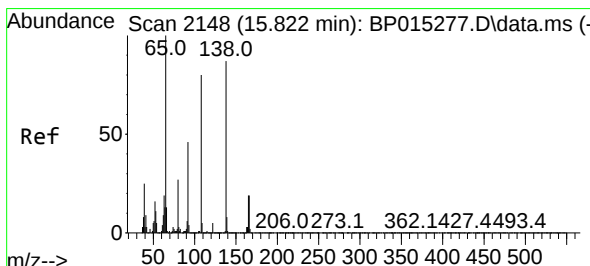
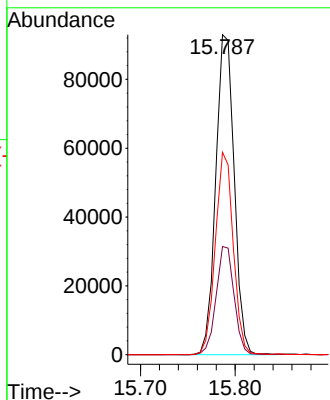
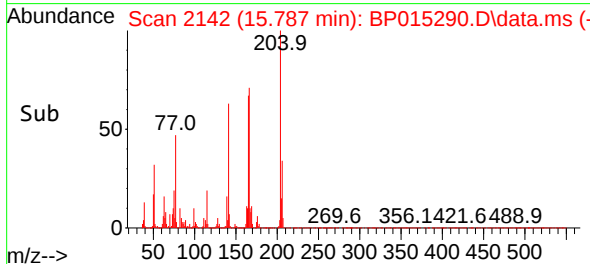
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 204 Resp: 12607
Ion Ratio Lower Upper
204 100
206 33.8 26.4 39.6
141 63.3 49.0 73.4

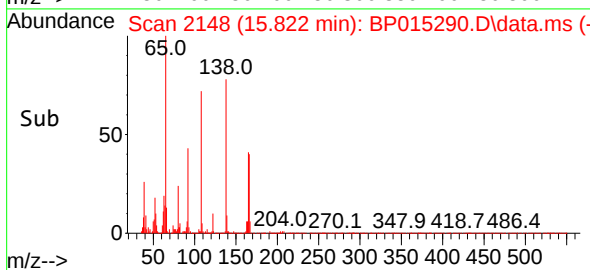
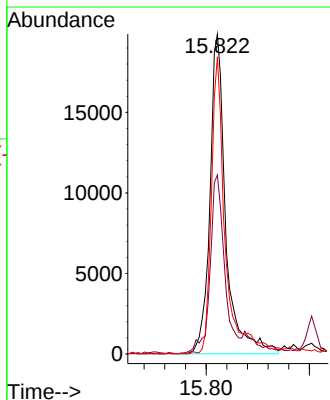
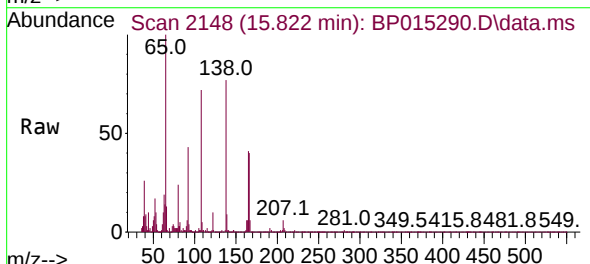
Manual Integrations
APPROVED

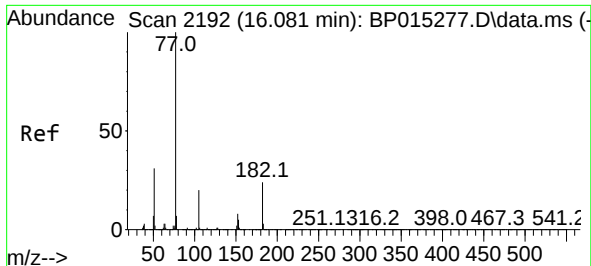
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023



#62
4-Nitroaniline
Concen: 7.472 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 138 Resp: 42546
Ion Ratio Lower Upper
138 100
92 55.9 33.1 73.1
108 92.9 71.0 111.0





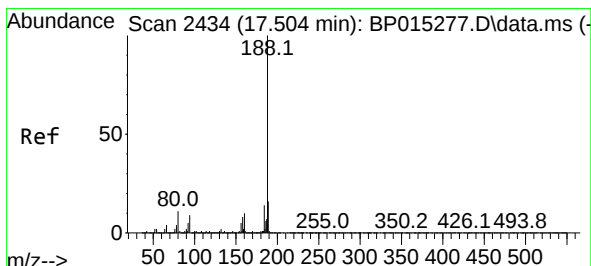
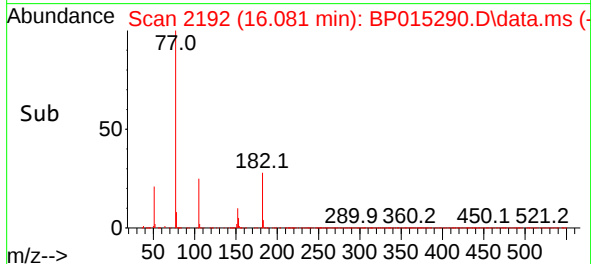
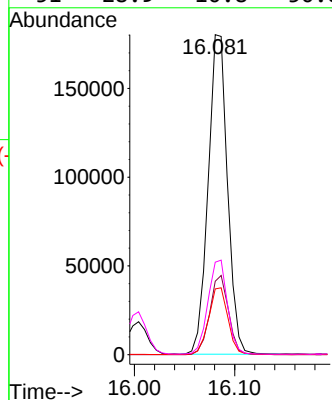
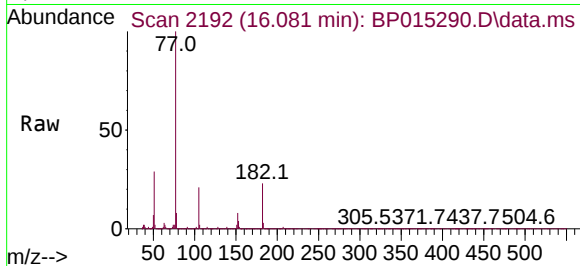
#63
Azobenzene
Concen: 7.540 ng
RT: 16.081 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion: 77	Resp: 24206
Ion Ratio	Lower Upper
77 100	
182 22.9	3.9 43.9
105 20.5	0.3 40.3
51 28.9	10.8 50.8

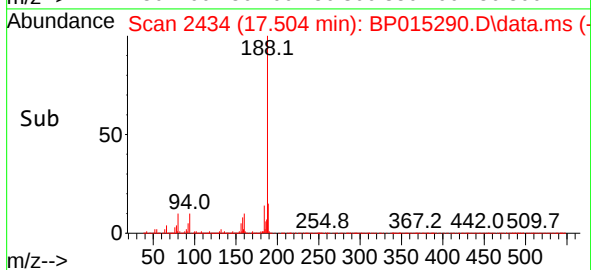
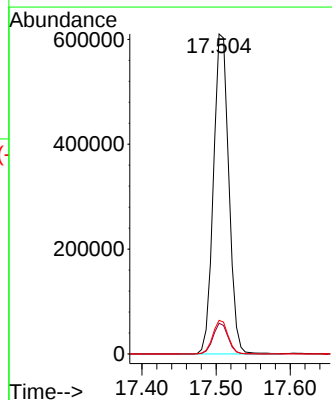
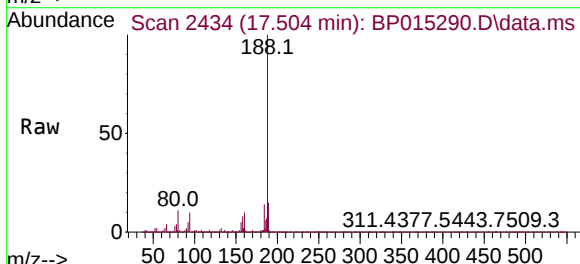
Manual Integrations
APPROVED

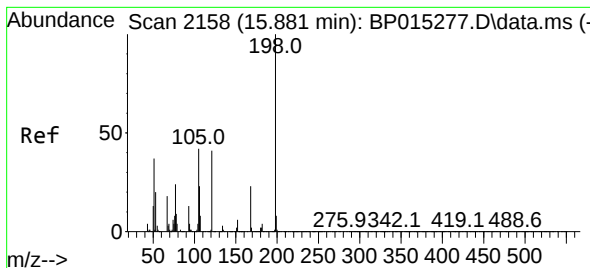
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2434
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion: 188	Resp: 878131
Ion Ratio	Lower Upper
188 100	
94 9.6	7.4 11.0
80 10.5	8.6 13.0





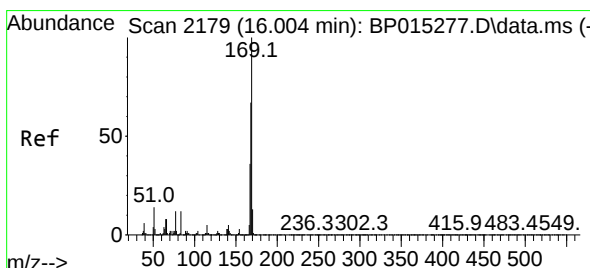
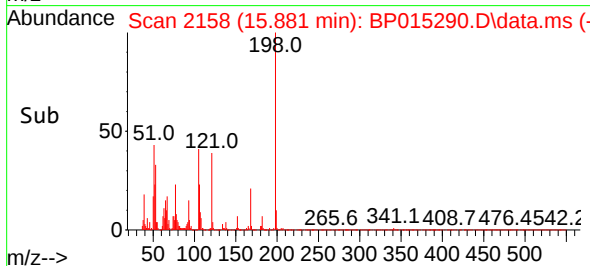
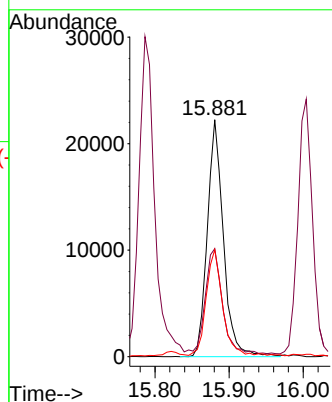
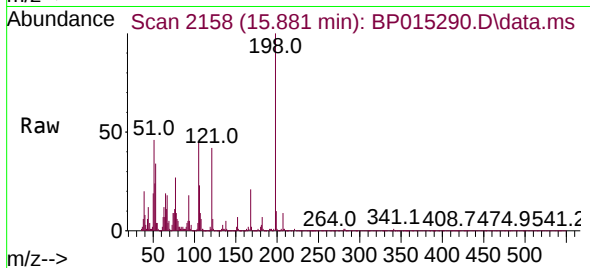
#65
4,6-Dinitro-2-methylphenol
Concen: 6.294 ng
RT: 15.881 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion:198 Resp: 33569
Ion Ratio Lower Upper
198 100
51 45.6 25.4 65.4
105 45.1 23.3 63.3

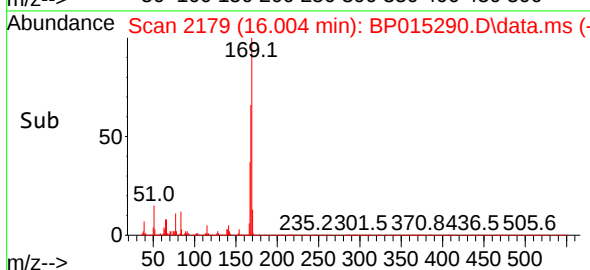
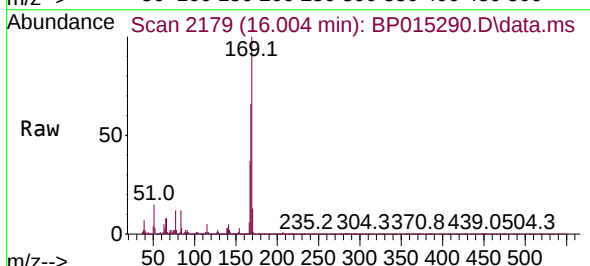
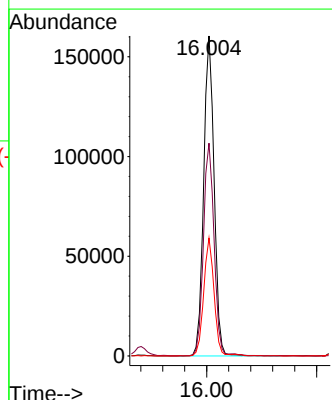
Manual Integrations
APPROVED

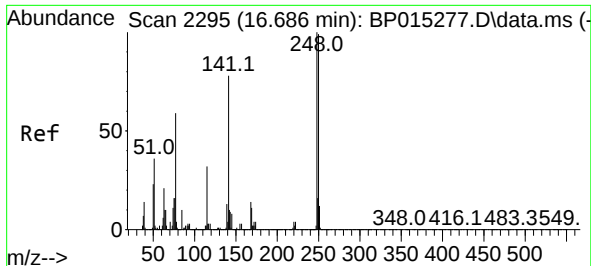
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#66
n-Nitrosodiphenylamine
Concen: 8.092 ng
RT: 16.004 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:169 Resp: 211737
Ion Ratio Lower Upper
169 100
168 66.5 53.4 80.2
167 36.9 29.0 43.6





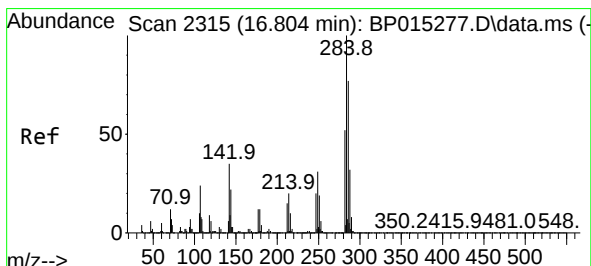
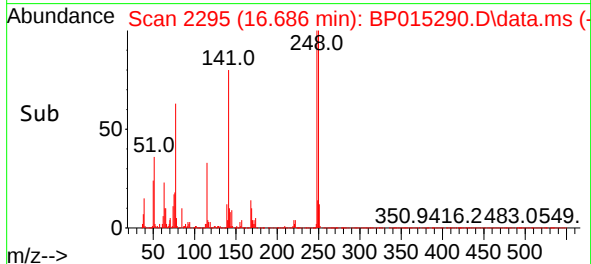
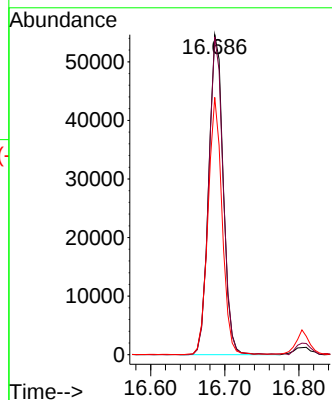
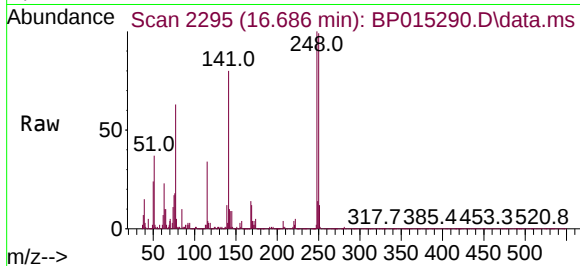
#67
4-Bromophenyl-phenylether
Concen: 7.833 ng
RT: 16.686 min Scan# 2295
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

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

Tgt Ion:248 Resp: 7437
Ion Ratio Lower Upper
248 100
250 99.3 79.0 118.4
141 80.4 62.4 93.6

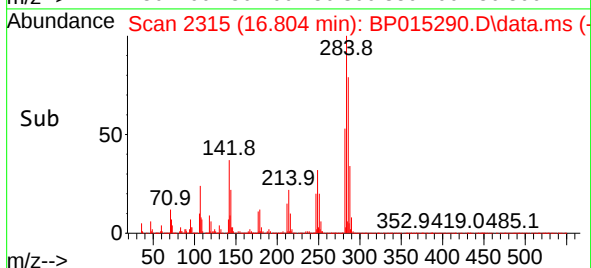
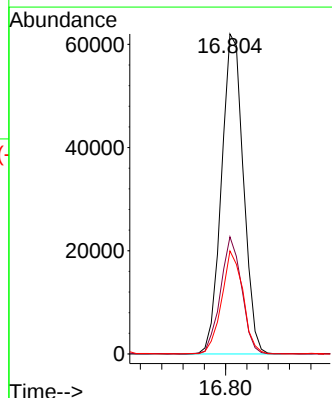
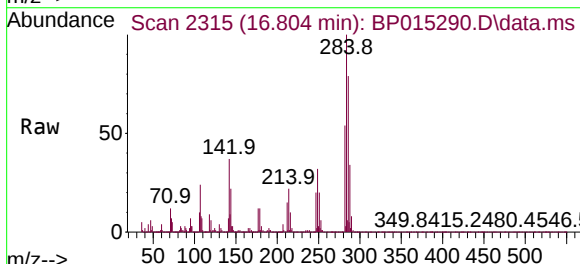
Manual Integrations
APPROVED

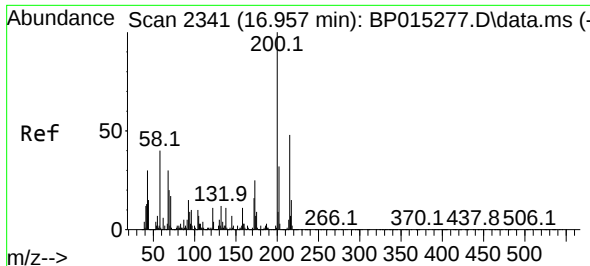
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#68
Hexachlorobenzene
Concen: 8.443 ng
RT: 16.804 min Scan# 2315
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

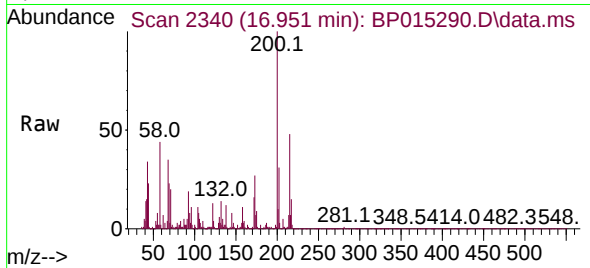
Tgt Ion:284 Resp: 88285
Ion Ratio Lower Upper
284 100
142 36.6 28.2 42.2
249 32.2 25.0 37.6





#69
Atrazine
Concen: 8.322 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

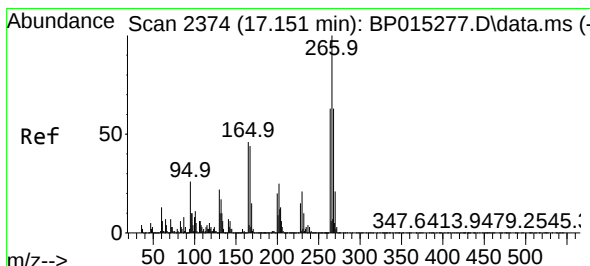
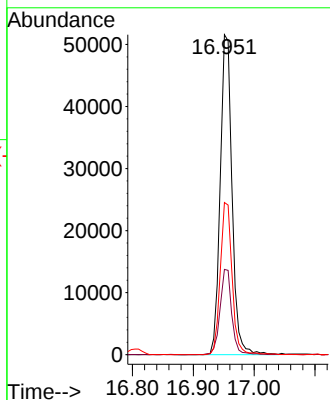
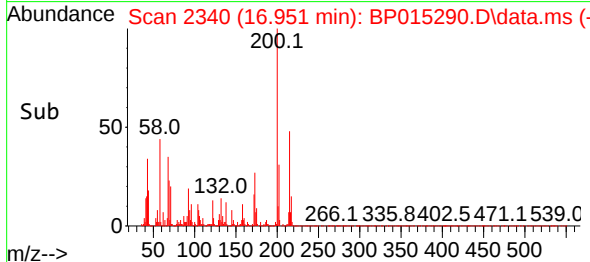
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



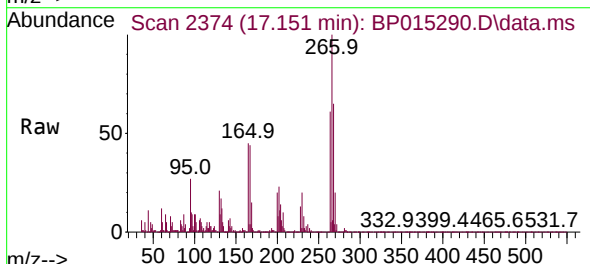
Tgt Ion:200 Resp: 69529
Ion Ratio Lower Upper
200 100
173 26.7 4.7 44.7
215 47.5 27.5 67.5

Manual Integrations
APPROVED

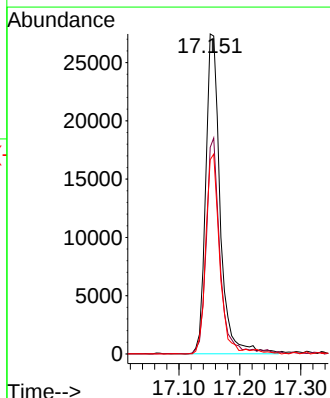
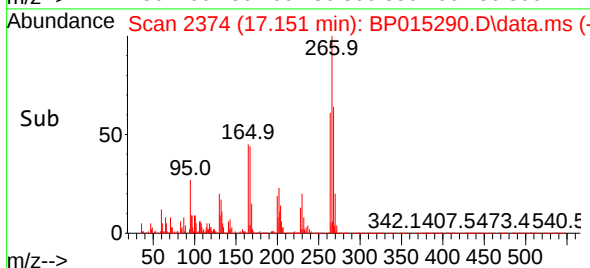
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

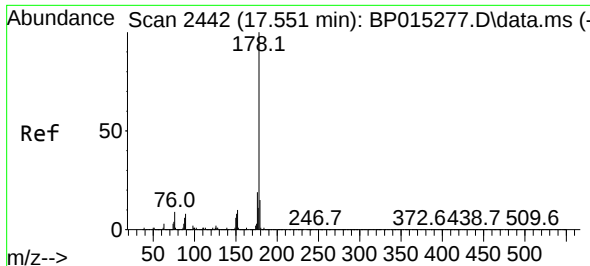


#70
Pentachlorophenol
Concen: 6.308 ng
RT: 17.151 min Scan# 2374
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



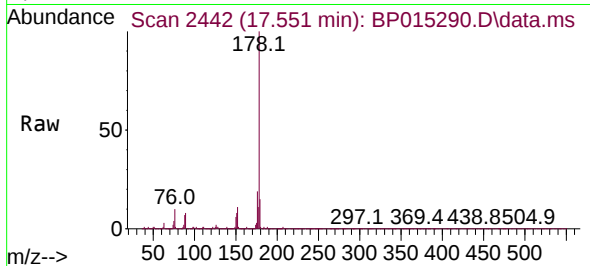
Tgt Ion:266 Resp: 45201
Ion Ratio Lower Upper
266 100
268 64.6 50.0 75.0
264 60.7 50.4 75.6





#71
Phenanthrene
Concen: 8.084 ng
RT: 17.551 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

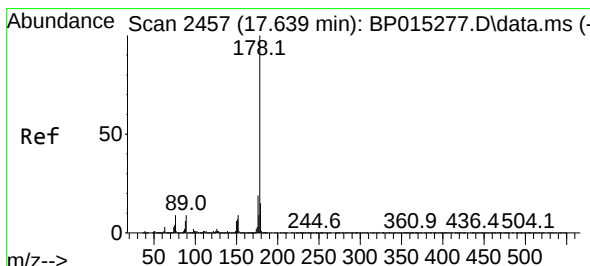
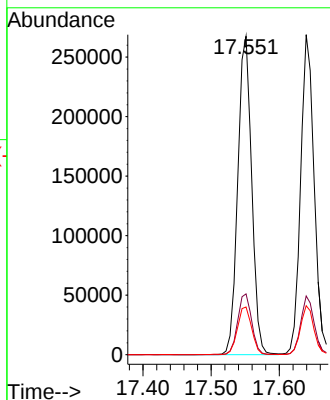
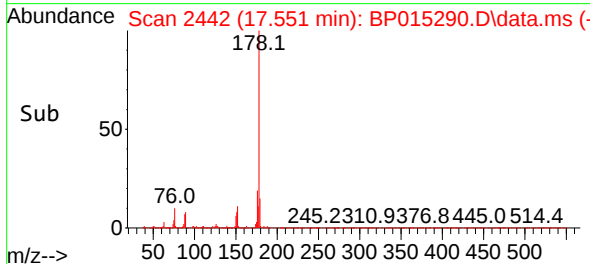
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:178 Resp: 378320
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.0 12.3 18.5

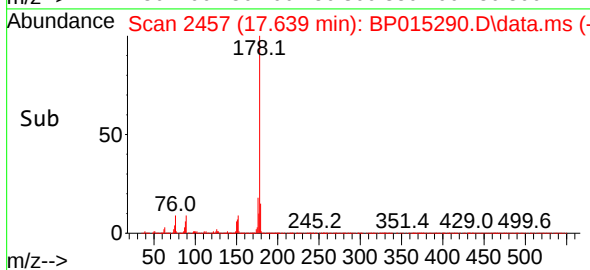
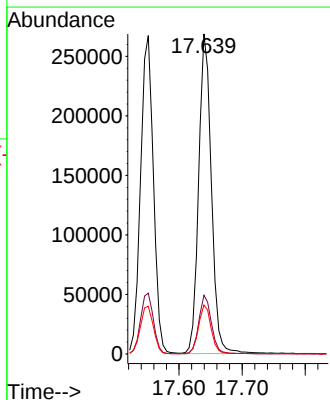
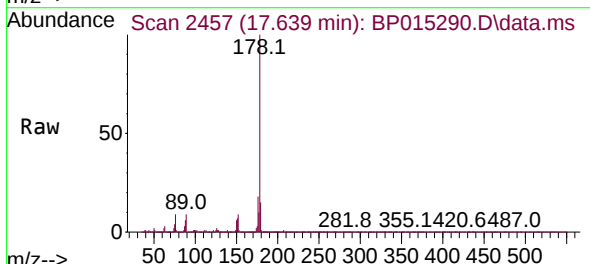
Manual Integrations
APPROVED

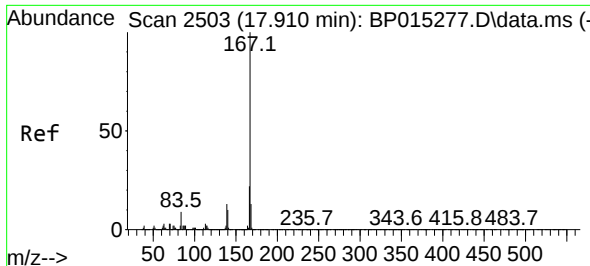
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#72
Anthracene
Concen: 7.987 ng
RT: 17.639 min Scan# 2457
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

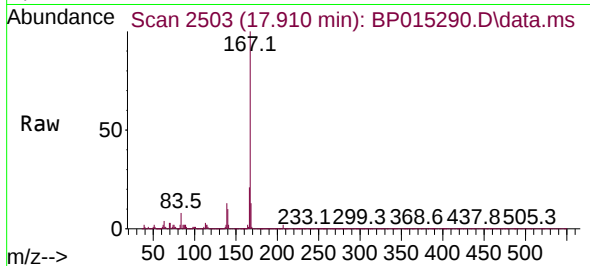
Tgt Ion:178 Resp: 374384
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.3 12.2 18.4





#73
 Carbazole
 Concen: 7.716 ng
 RT: 17.910 min Scan# 2503
 Delta R.T. 0.000 min
 Lab File: BP015290.D
 Acq: 25 May 2023 14:03

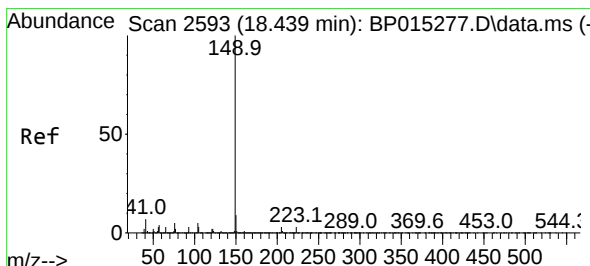
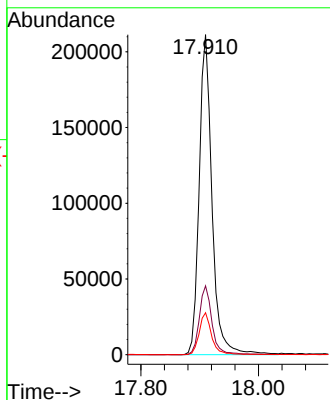
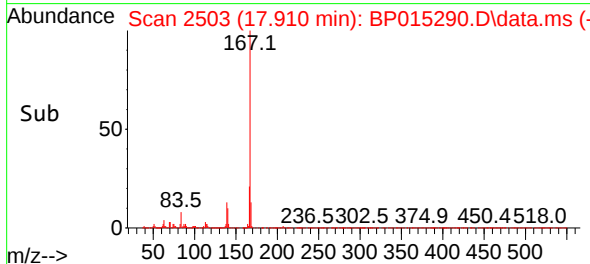
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



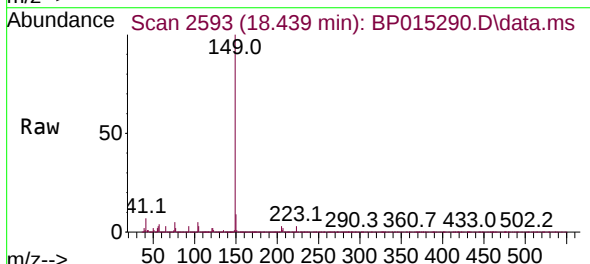
Tgt Ion:167 Resp: 320275
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.1 10.2 15.2

Manual Integrations
 APPROVED

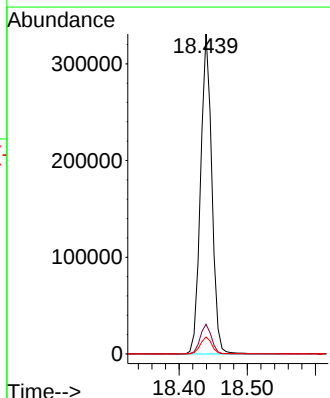
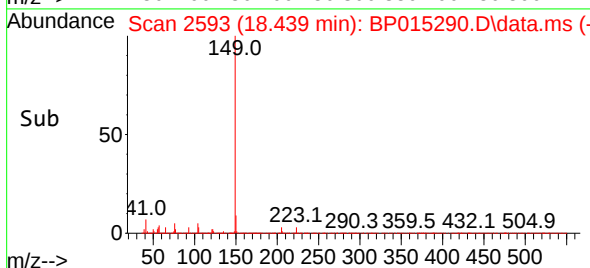
Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023

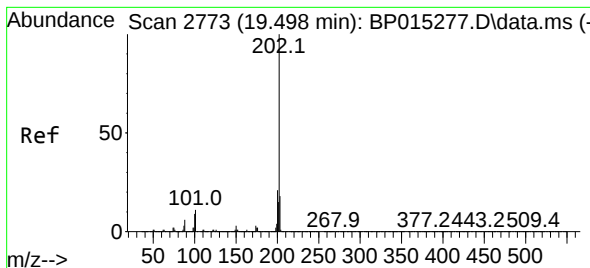


#74
 Di-n-butylphthalate
 Concen: 7.135 ng
 RT: 18.439 min Scan# 2593
 Delta R.T. 0.000 min
 Lab File: BP015290.D
 Acq: 25 May 2023 14:03



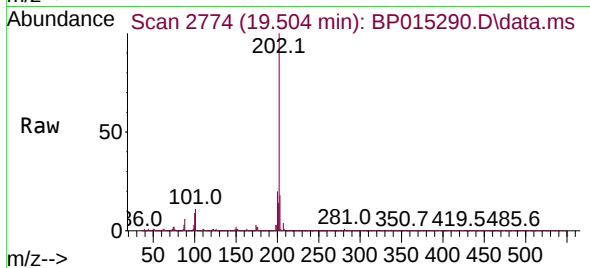
Tgt Ion:149 Resp: 380336
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.3 10.9
 104 5.3 4.4 6.6





#75
Fluoranthene
Concen: 7.594 ng
RT: 19.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

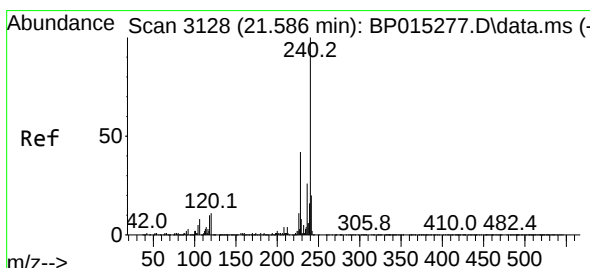
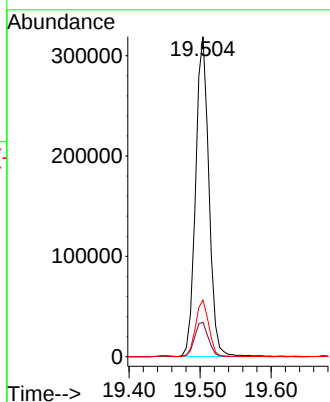
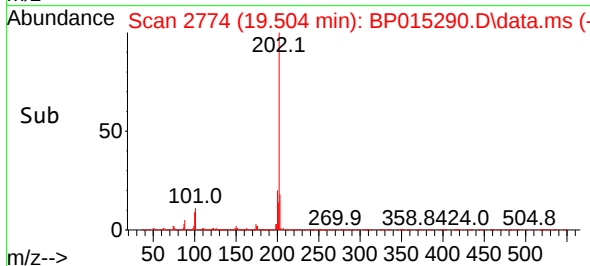
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:202 Resp: 415214
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 17.7 0.0 37.6

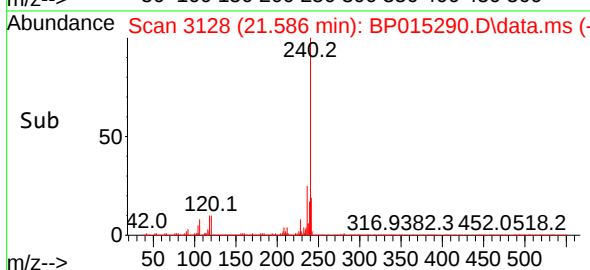
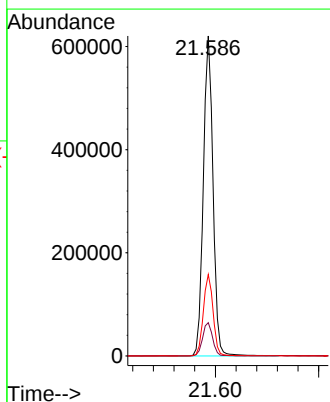
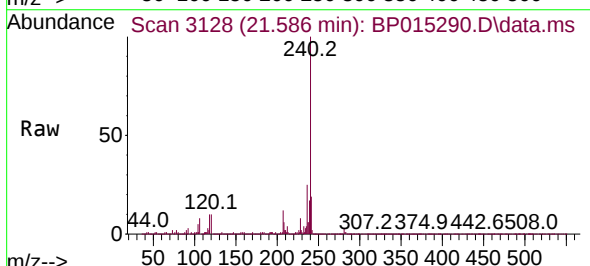
Manual Integrations
APPROVED

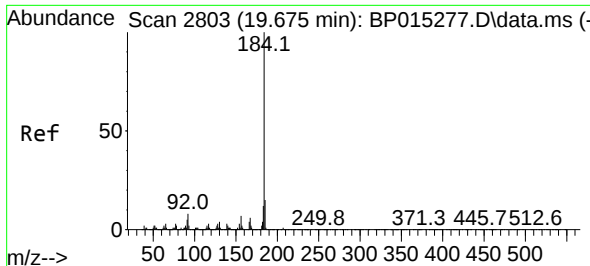
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

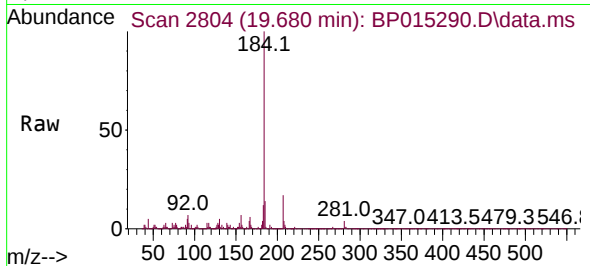
Tgt Ion:240 Resp: 806963
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 25.5 20.5 30.7





#77
Benzidine
Concen: 11.951 ng
RT: 19.680 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

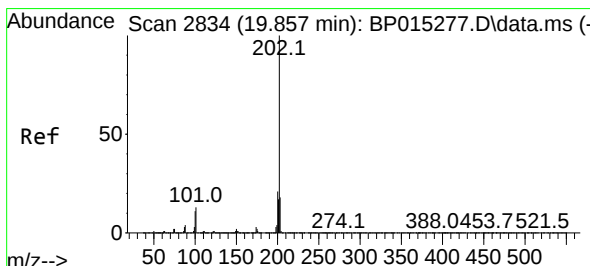
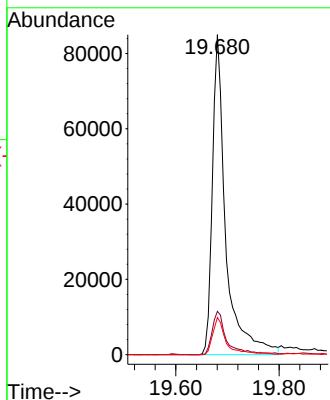
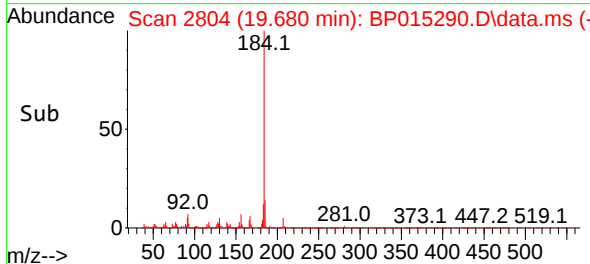
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:184 Resp: 152710
Ion Ratio Lower Upper
184 100
185 13.5 11.6 17.4
183 11.6 9.4 14.0

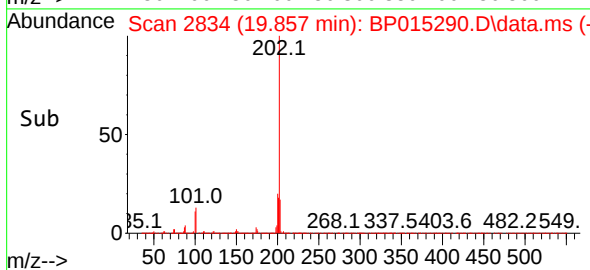
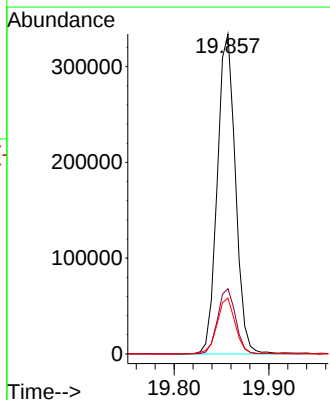
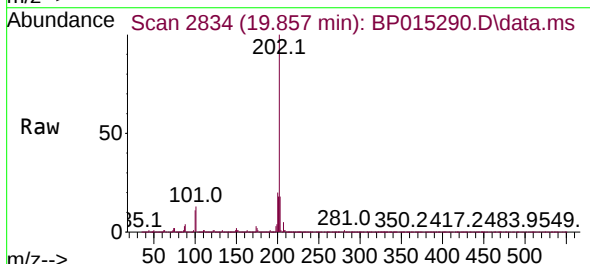
Manual Integrations
APPROVED

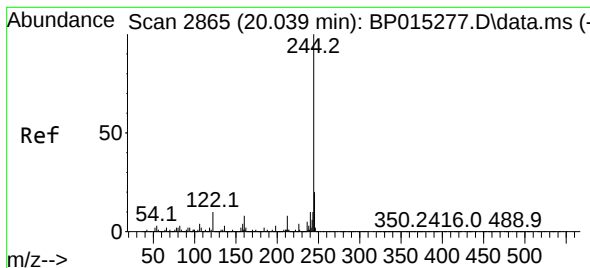
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#78
Pyrene
Concen: 7.707 ng
RT: 19.857 min Scan# 2834
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:202 Resp: 444996
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 65.513 ng

RT: 20.045 min Scan# 2865

Delta R.T. 0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

Tgt Ion:244 Resp: 281060

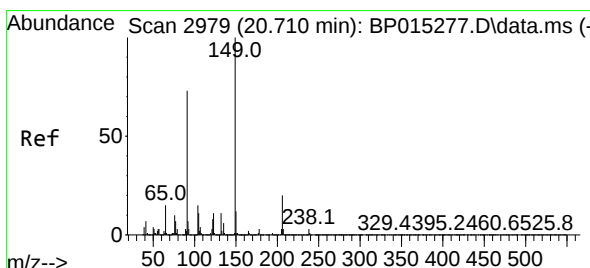
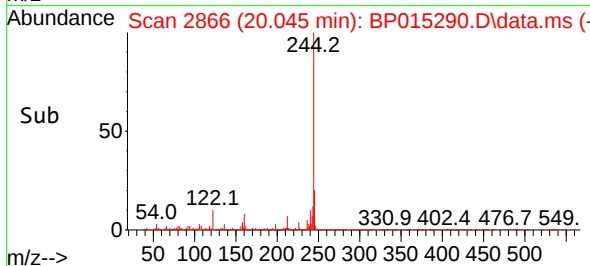
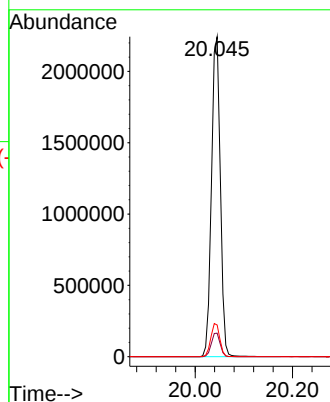
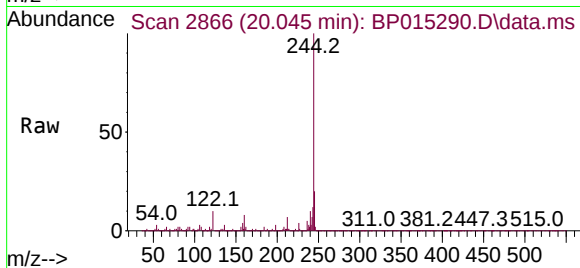
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.9	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#80

Butylbenzylphthalate

Concen: 6.404 ng

RT: 20.710 min Scan# 2979

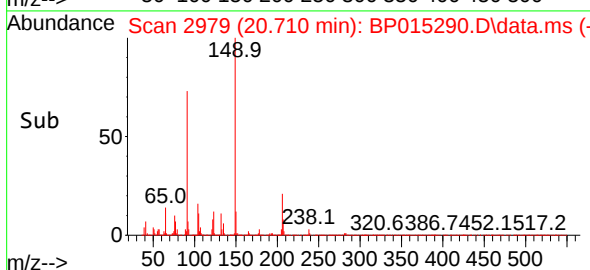
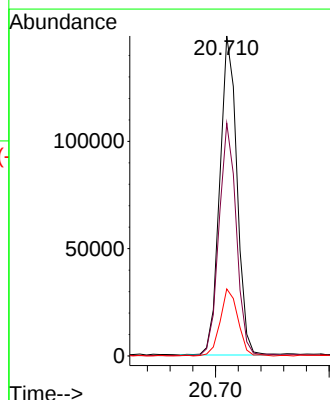
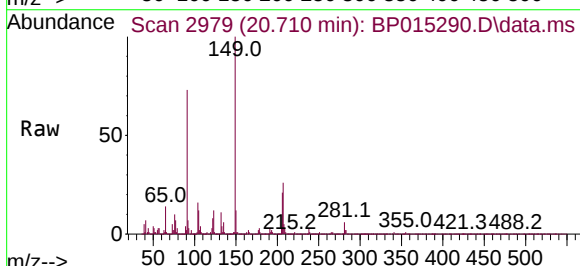
Delta R.T. 0.000 min

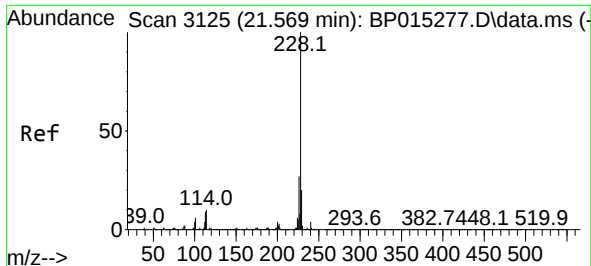
Lab File: BP015290.D

Acq: 25 May 2023 14:03

Tgt Ion:149 Resp: 156698

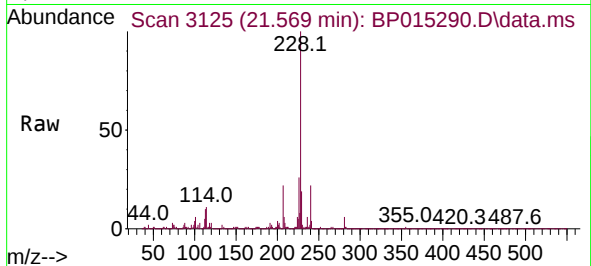
Ion	Ratio	Lower	Upper
149	100		
91	72.8	58.2	87.2
206	20.9	16.2	24.4





#81
Benzo(a)anthracene
Concen: 7.555 ng
RT: 21.569 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

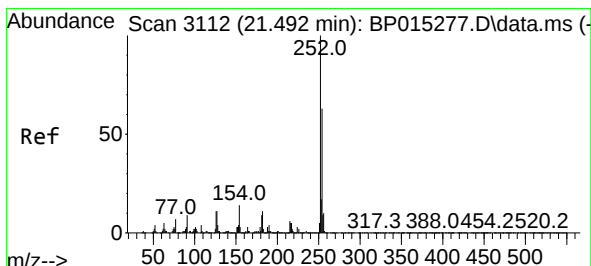
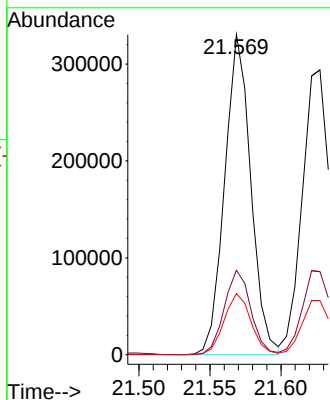
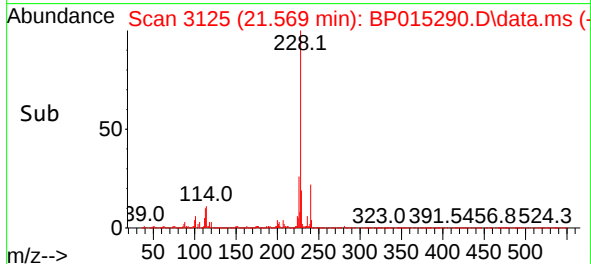
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



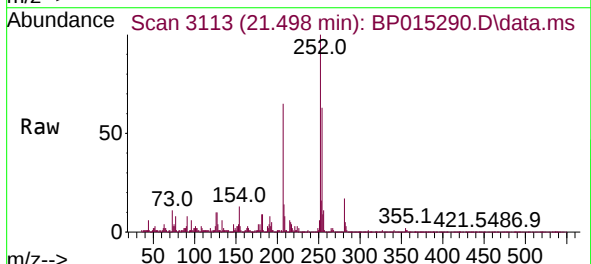
Tgt Ion:228 Resp: 423618
Ion Ratio Lower Upper
228 100
226 26.4 21.7 32.5
229 19.1 15.8 23.8

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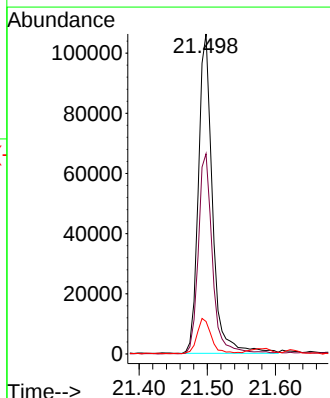
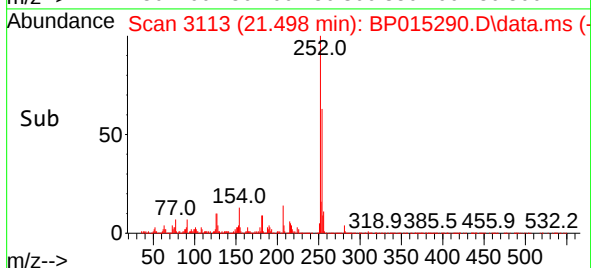
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

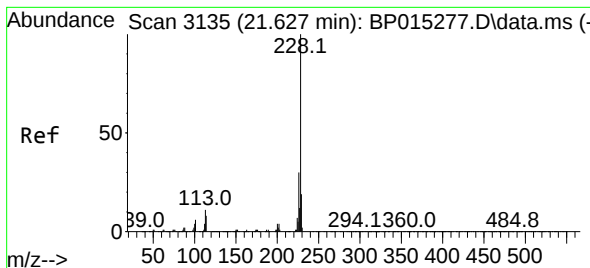


#82
3,3'-Dichlorobenzidine
Concen: 8.831 ng
RT: 21.498 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03



Tgt Ion:252 Resp: 152927
Ion Ratio Lower Upper
252 100
254 62.6 50.7 76.1
126 10.2 8.7 13.1





#83

Chrysene

Concen: 7.584 ng

RT: 21.627 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

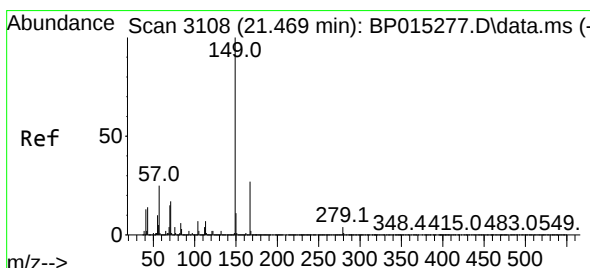
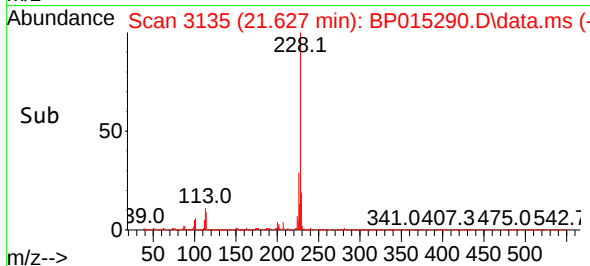
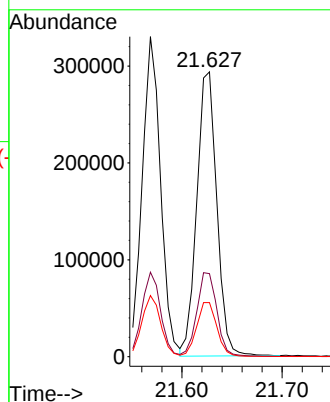
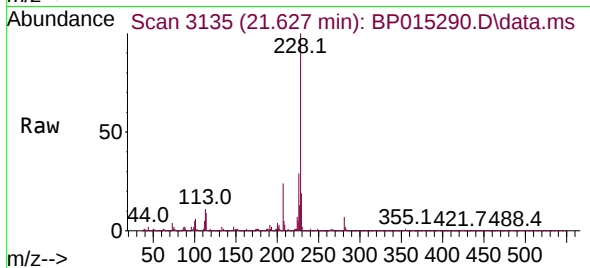
LOQ-SOIL-02-QT2-2023

Tgt Ion:	228	Resp:	407725
Ion Ratio	Lower	Upper	
228	100		
226	29.2	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: 6.538 ng

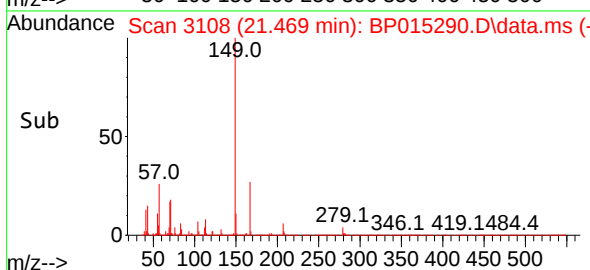
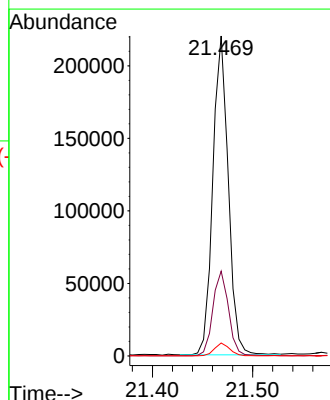
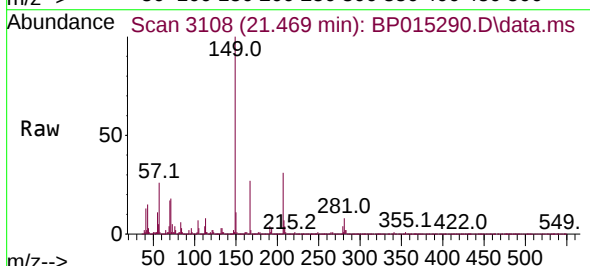
RT: 21.469 min Scan# 3108

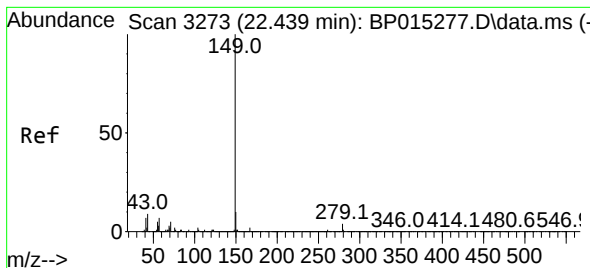
Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Tgt Ion:	149	Resp:	235618
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.6	32.4
279	4.0	3.5	5.3





#85

Di-n-octyl phthalate

Concen: 6.398 ng

RT: 22.439 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

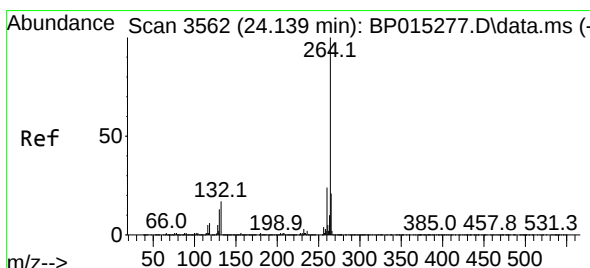
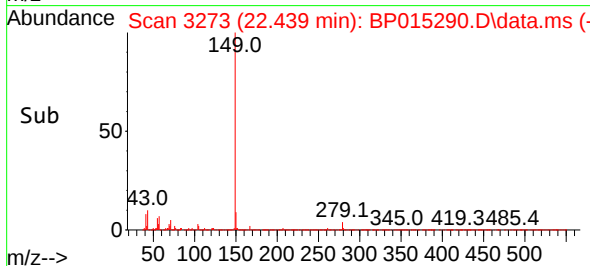
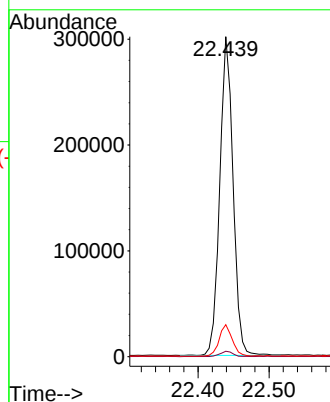
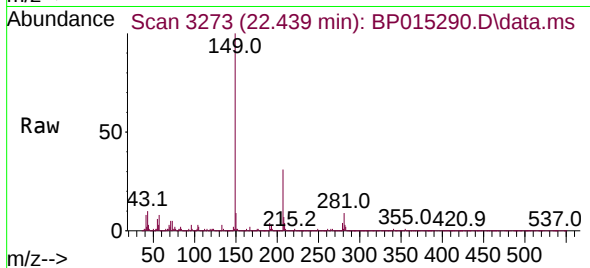
Tgt Ion:	149	Resp:	390052
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	9.7	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#86

Perylene-d12

Concen: 20.000 ng

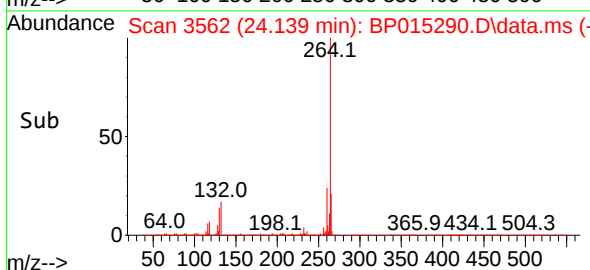
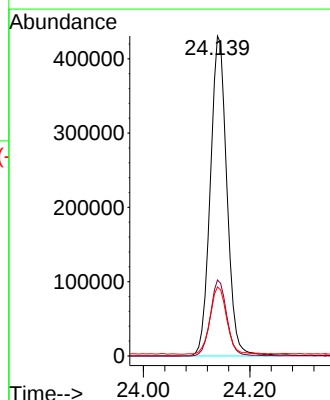
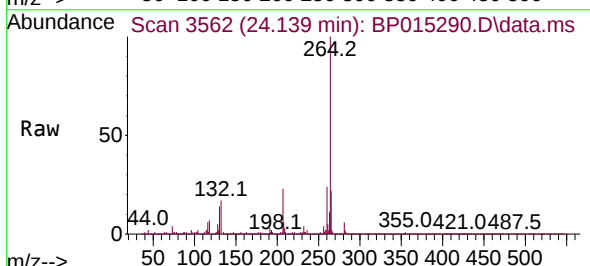
RT: 24.139 min Scan# 3562

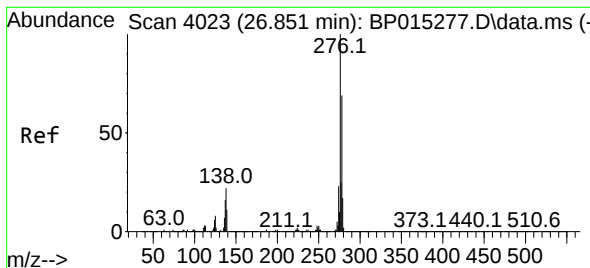
Delta R.T. 0.000 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Tgt Ion:	264	Resp:	927841
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.0	28.6
265	21.6	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.740 ng

RT: 26.839 min Scan# 4021

Delta R.T. -0.012 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

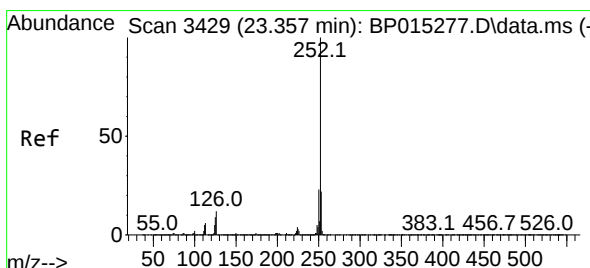
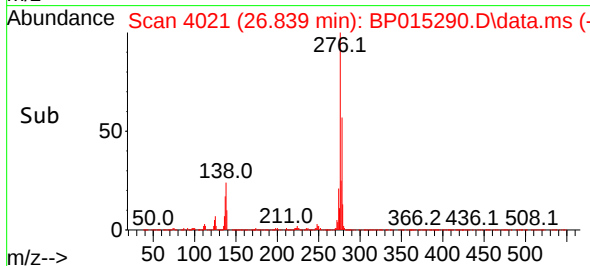
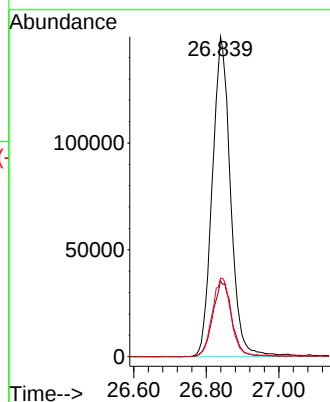
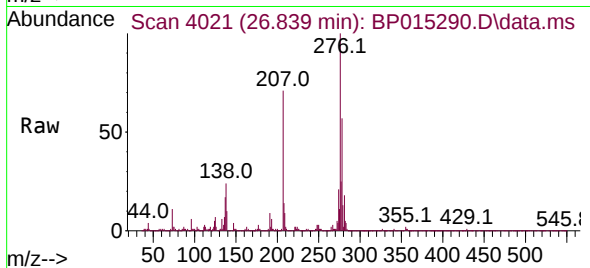
Tgt Ion:	276	Resp:	520520
Ion Ratio	Lower	Upper	
276	100		
138	24.6	19.0	28.6
277	25.6	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#88

Benzo(b)fluoranthene

Concen: 7.993 ng

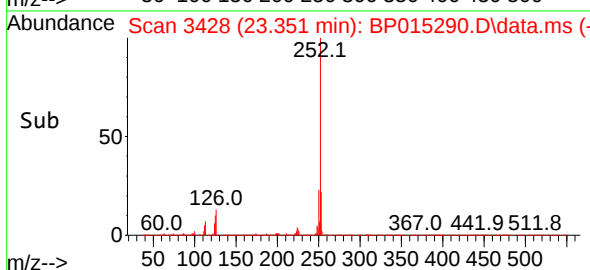
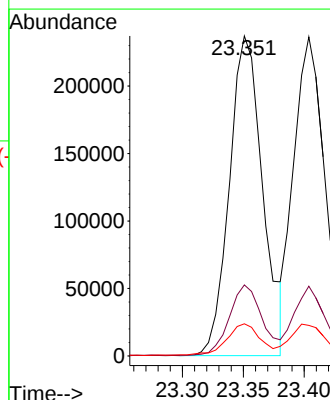
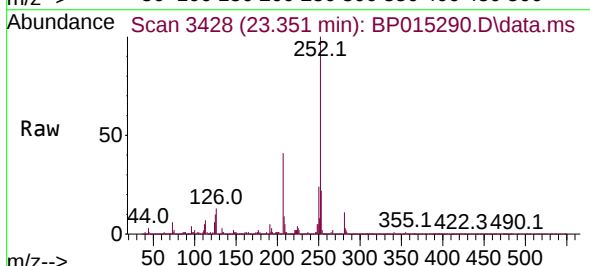
RT: 23.351 min Scan# 3428

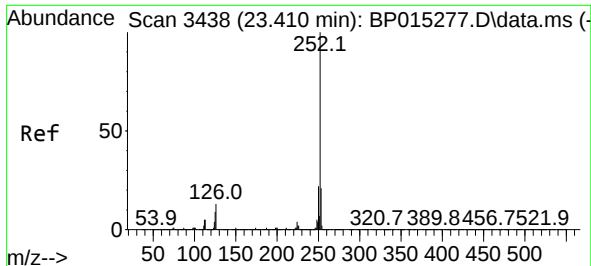
Delta R.T. -0.006 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

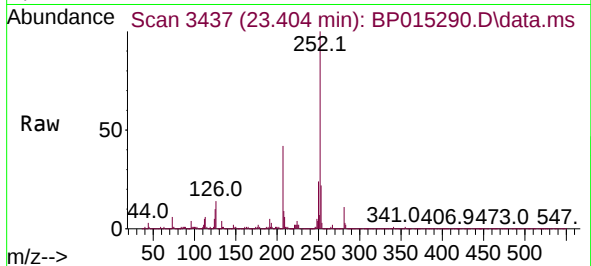
Tgt Ion:	252	Resp:	450880
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	10.0	7.2	10.8





#89
Benzo(k)fluoranthene
Concen: 7.501 ng
RT: 23.404 min Scan# 3438
Delta R.T. -0.006 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

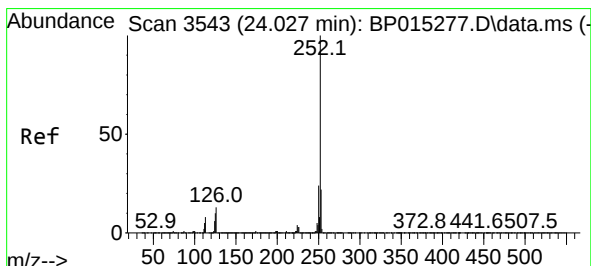
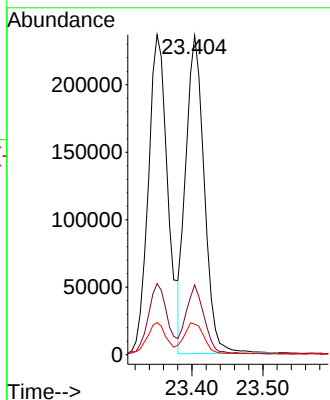
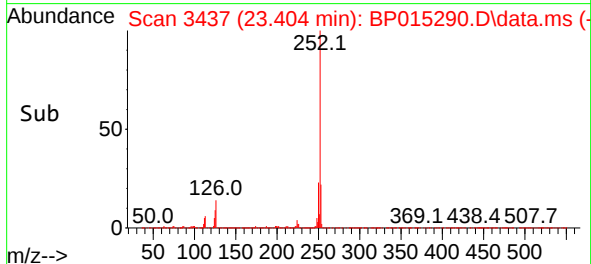
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:252 Resp: 426084
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.4
125 9.6 7.4 11.0

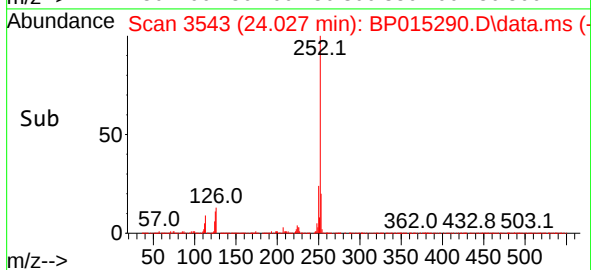
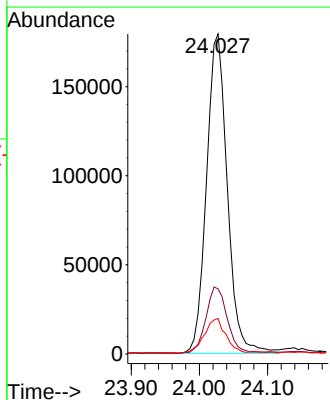
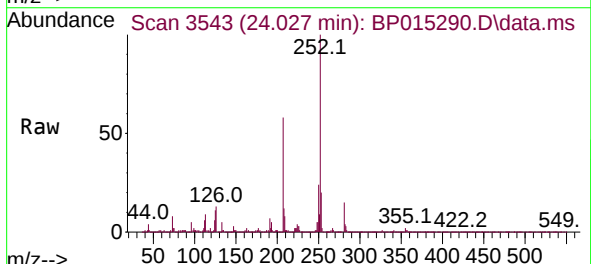
Manual Integrations
APPROVED

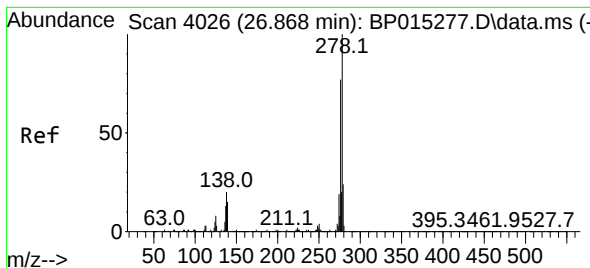
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#90
Benzo(a)pyrene
Concen: 6.990 ng
RT: 24.027 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BP015290.D
Acq: 25 May 2023 14:03

Tgt Ion:252 Resp: 380723
Ion Ratio Lower Upper
252 100
253 20.4 17.4 26.2
125 11.1 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 7.749 ng

RT: 26.857 min Scan# 4026

Delta R.T. -0.012 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2023

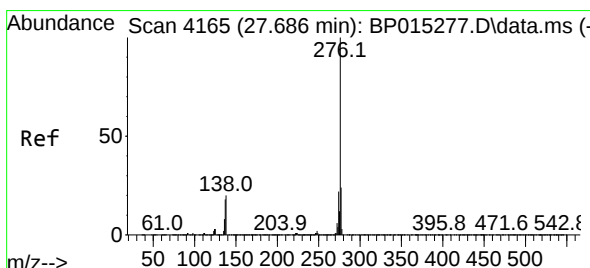
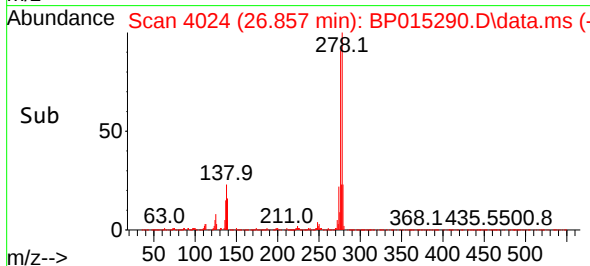
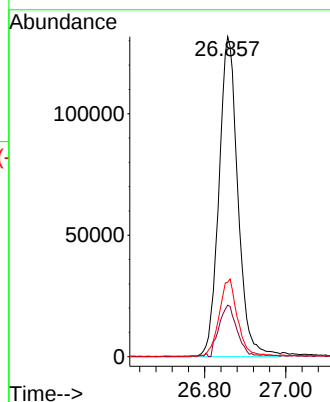
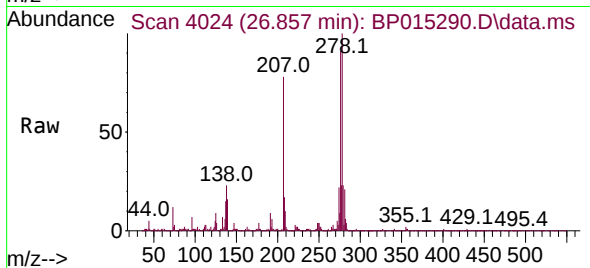
Tgt Ion:	278	Resp:	42794
Ion Ratio	Lower	Upper	
278	100		
139	16.1	12.3	18.5
279	23.3	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#92

Benzo(g,h,i)perylene

Concen: 7.616 ng

RT: 27.674 min Scan# 4163

Delta R.T. -0.012 min

Lab File: BP015290.D

Acq: 25 May 2023 14:03

Tgt Ion:	276	Resp:	427404
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.0	28.6
138	21.6	16.2	24.2

