

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015293.D
 Acq On : 25 May 2023 15:57
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: May 25 16:36:59 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	197990	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	762023	20.000	ng	0.00
39) Acenaphthene-d10	14.757	164	468861	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	946084	20.000	ng	0.00
76) Chrysene-d12	21.586	240	719381	20.000	ng	0.00
86) Perylene-d12	24.145	264	766647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1272587	106.508	ng	0.00
7) Phenol-d6	7.263	99	1673596	106.881	ng	0.00
23) Nitrobenzene-d5	9.287	82	1230011	78.812	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	680443	106.795	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2695243	77.177	ng	0.00
79) Terphenyl-d14	20.045	244	3130625	81.856	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	20321	3.840	ng	92
3) Pyridine	3.893	79	43649m	3.227	ng	
4) n-Nitrosodimethylamine	3.787	42	23838	3.777	ng	# 90
6) Aniline	7.428	93	76318	3.856	ng	99
8) 2-Chlorophenol	7.669	128	49264	3.946	ng	97
10) Phenol	7.287	94	61304	3.909	ng	93
11) bis(2-Chloroethyl)ether	7.528	93	52955	4.029	ng	96
12) 1,3-Dichlorobenzene	7.999	146	57235	4.120	ng	96
13) 1,4-Dichlorobenzene	8.146	146	58077	4.153	ng	99
14) 1,2-Dichlorobenzene	8.469	146	54017	4.048	ng	98
15) Benzyl Alcohol	8.357	79	37075	3.392	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.640	45	71575m	4.223	ng	
17) 2-Methylphenol	8.557	107	39045	3.499	ng	97
18) Hexachloroethane	9.205	117	21207	4.023	ng	99
19) n-Nitroso-di-n-propyla...	8.922	70	40046	3.996	ng	97
20) 3+4-Methylphenols	8.893	107	51097	3.389	ng	96
22) Acetophenone	8.946	105	80431	4.064	ng	# 98
24) Nitrobenzene	9.328	77	61246	3.941	ng	96
25) Isophorone	9.857	82	101844	3.636	ng	97
26) 2-Nitrophenol	10.052	139	21875	3.207	ng	# 94
27) 2,4-Dimethylphenol	10.104	122	43831	3.833	ng	96
28) bis(2-Chloroethoxy)met...	10.340	93	68671	3.978	ng	98
29) 2,4-Dichlorophenol	10.593	162	41255	3.479	ng	94
30) 1,2,4-Trichlorobenzene	10.804	180	51632	3.904	ng	98
31) Naphthalene	10.993	128	162071	4.039	ng	98
32) Benzoic acid	10.169	122	12393m	7.530	ng	
33) 4-Chloroaniline	11.110	127	58531	3.528	ng	97
34) Hexachlorobutadiene	11.269	225	32213	3.844	ng	95
35) Caprolactam	11.875	113	11026	3.029	ng	92
36) 4-Chloro-3-methylphenol	12.216	107	44149	3.425	ng	96
37) 2-Methylnaphthalene	12.593	142	109463	3.838	ng	99
38) 1-Methylnaphthalene	12.810	142	103607	3.893	ng	96
40) 1,2,4,5-Tetrachloroben...	12.957	216	60270	3.918	ng	100
41) Hexachlorocyclopentadiene	12.928	237	27391	3.361	ng	95
43) 2,4,6-Trichlorophenol	13.193	196	33850	3.390	ng	97
44) 2,4,5-Trichlorophenol	13.269	196	36436	3.104	ng	99

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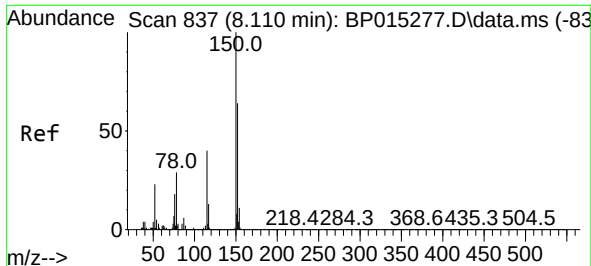
Quant Time: May 25 16:36:59 2023
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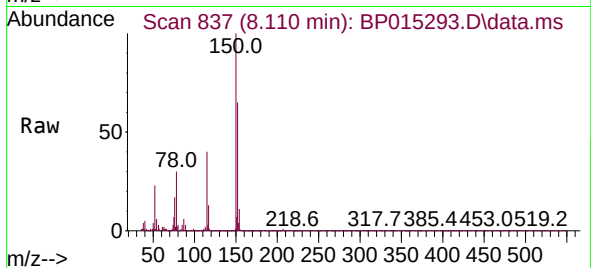
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.593	154	156433	4.211	ng	96
47) 2-Chloronaphthalene	13.634	162	116142	4.144	ng	99
48) 2-Nitroaniline	13.845	65	25046	2.926	ng	99
49) Acenaphthylene	14.481	152	170102	3.793	ng	98
50) Dimethylphthalate	14.204	163	137483	3.748	ng	99
51) 2,6-Dinitrotoluene	14.328	165	26407	3.410	ng	96
52) Acenaphthene	14.816	154	104076	3.897	ng	98
53) 3-Nitroaniline	14.663	138	21601	2.729	ng	93
54) 2,4-Dinitrophenol	14.875	184	7933	6.611	ng	96
55) Dibenzofuran	15.151	168	172069	3.939	ng	99
56) 4-Nitrophenol	14.969	139	14509	5.426	ng	99
57) 2,4-Dinitrotoluene	15.122	165	30191	2.965	ng	98
58) Fluorene	15.804	166	135258	4.008	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.381	232	32499	3.461	ng	98
60) Diethylphthalate	15.563	149	132615	3.629	ng	99
61) 4-Chlorophenyl-phenyle...	15.792	204	67980	3.935	ng	96
62) 4-Nitroaniline	15.828	138	19904m	4.532	ng	
63) Azobenzene	16.087	77	124558	3.573	ng	98
65) 4,6-Dinitro-2-methylph...	15.881	198	13941	2.426	ng	93
66) n-Nitrosodiphenylamine	16.010	169	110809	3.931	ng	99
67) 4-Bromophenyl-phenylether	16.692	248	38568	3.770	ng	99
68) Hexachlorobenzene	16.810	284	46958	4.168	ng	99
69) Atrazine	16.957	200	34434	3.825	ng	99
70) Pentachlorophenol	17.157	266	19365	2.508	ng	95
71) Phenanthrene	17.551	178	204383	4.053	ng	100
72) Anthracene	17.645	178	190938	3.781	ng	98
73) Carbazole	17.916	167	157803	3.529	ng	99
74) Di-n-butylphthalate	18.445	149	181137	3.154	ng	98
75) Fluoranthene	19.504	202	200100	3.397	ng	99
77) Benzidine	19.686	184	56050	4.920	ng	98
78) Pyrene	19.857	202	211765	4.114	ng	99
80) Butylbenzylphthalate	20.716	149	63045	2.890	ng	97
81) Benzo(a)anthracene	21.569	228	187615	3.754	ng	99
82) 3,3'-Dichlorobenzidine	21.498	252	59526	3.856	ng	100
83) Chrysene	21.627	228	182994	3.818	ng	99
84) Bis(2-ethylhexyl)phtha...	21.469	149	87289	2.717	ng	100
85) Di-n-octyl phthalate	22.445	149	143370	2.638	ng	98
87) Indeno(1,2,3-cd)pyrene	26.851	276	197516	3.555	ng	98
88) Benzo(b)fluoranthene	23.357	252	175110	3.757	ng	98
89) Benzo(k)fluoranthene	23.410	252	184805	3.937	ng	98
90) Benzo(a)pyrene	24.033	252	149052	3.312	ng	99
91) Dibenzo(a,h)anthracene	26.868	278	164142	3.597	ng	99
92) Benzo(g,h,i)perylene	27.686	276	167266	3.607	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
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Acq: 25 May 2023 15:57

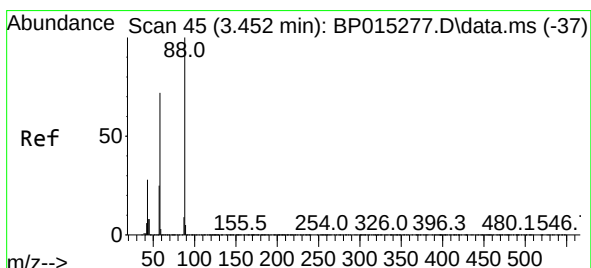
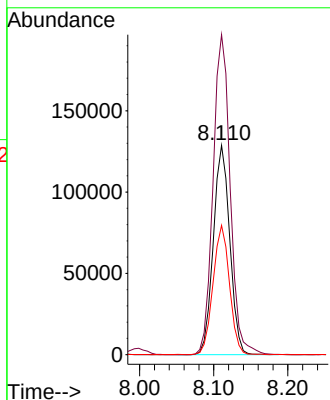
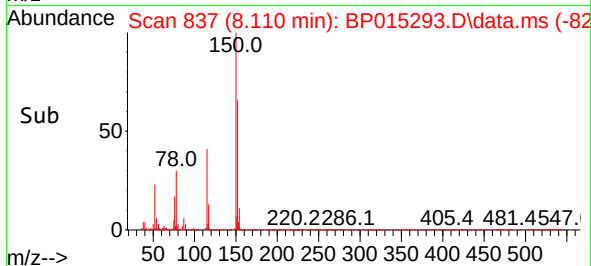
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:152 Resp: 197990
Ion Ratio Lower Upper
152 100
150 152.9 124.2 186.2
115 61.7 49.1 73.7

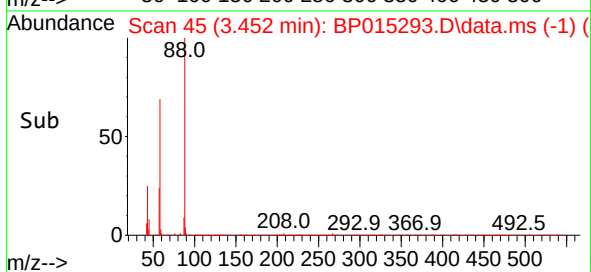
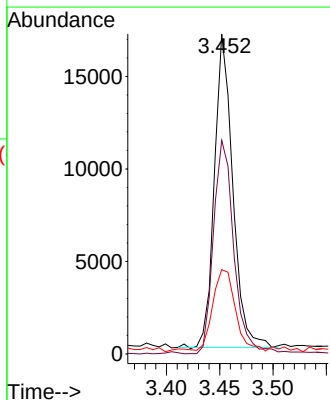
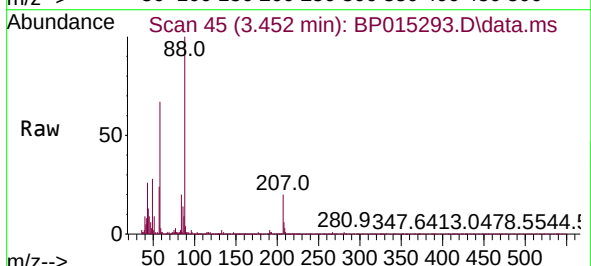
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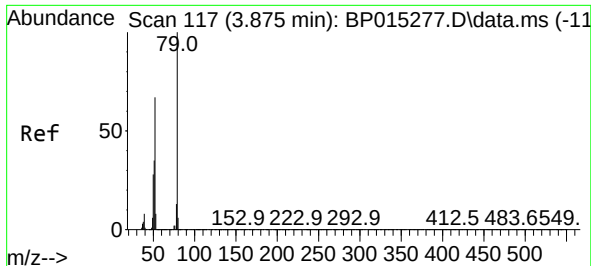
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#2
1,4-Dioxane
Concen: 3.840 ng
RT: 3.452 min Scan# 45
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

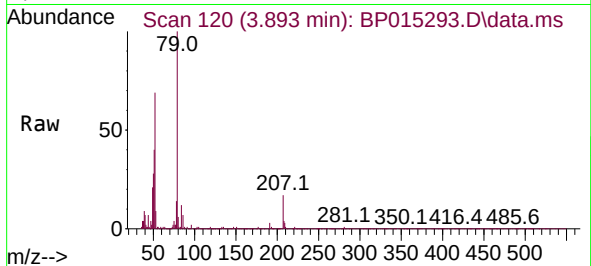
Tgt Ion: 88 Resp: 20321
Ion Ratio Lower Upper
88 100
58 76.6 56.2 84.4
43 32.2 22.1 33.1





#3
Pyridine
Concen: 3.227 ng m
RT: 3.893 min Scan# 117
Delta R.T. 0.018 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

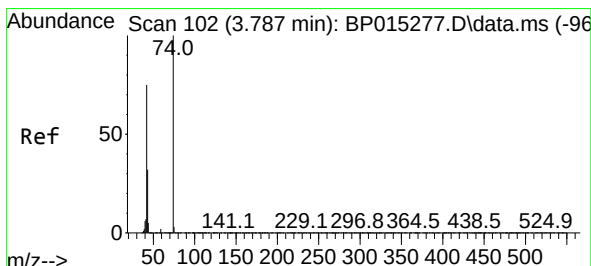
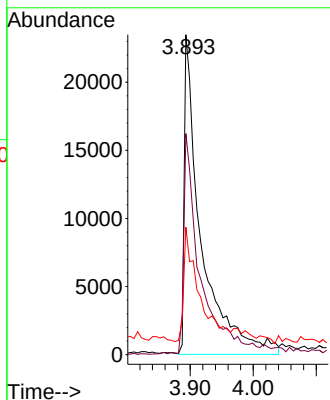
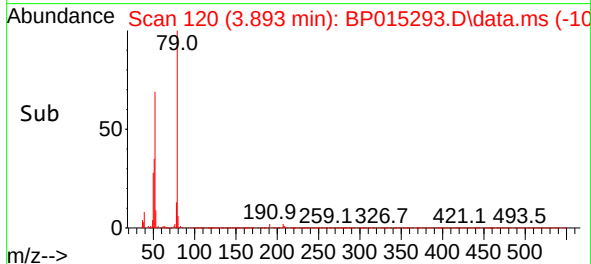
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



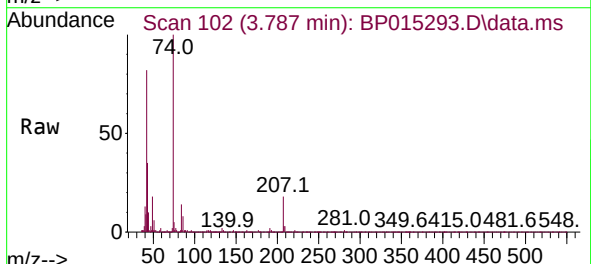
Tgt Ion: 79 Resp: 43649
Ion Ratio Lower Upper
79 100
52 69.1 53.7 80.5
51 39.9 28.6 43.0

Manual Integrations
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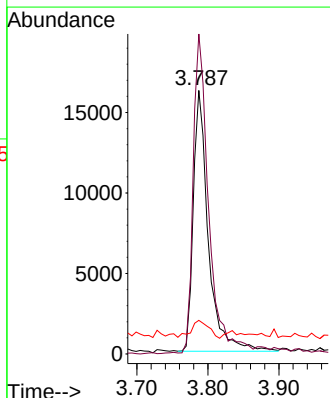
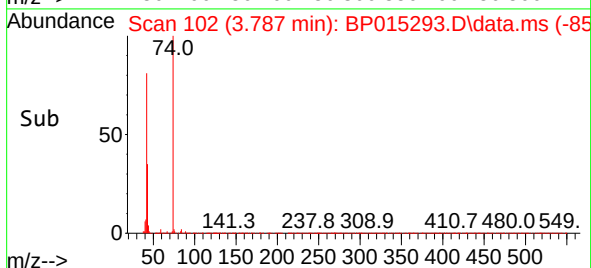
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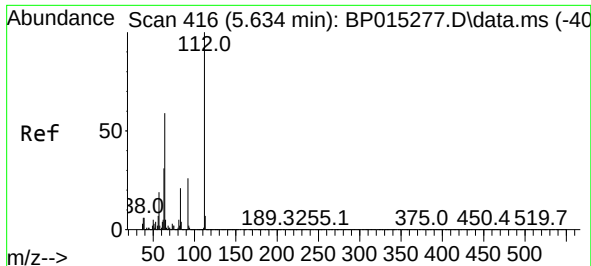


#4
n-Nitrosodimethylamine
Concen: 3.777 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



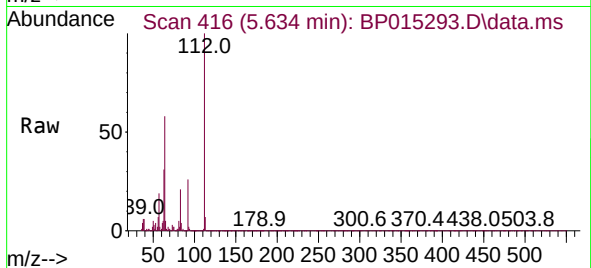
Tgt Ion: 42 Resp: 23838
Ion Ratio Lower Upper
42 100
74 121.4 106.6 160.0
44 12.7 5.8 8.8#





#5
2-Fluorophenol
Concen: 106.508 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

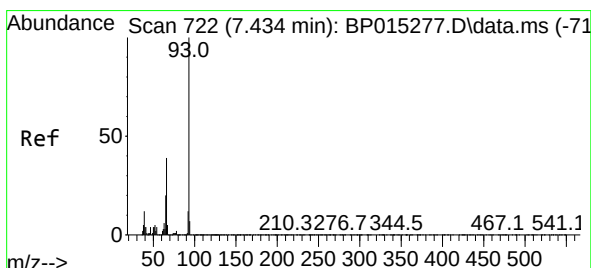
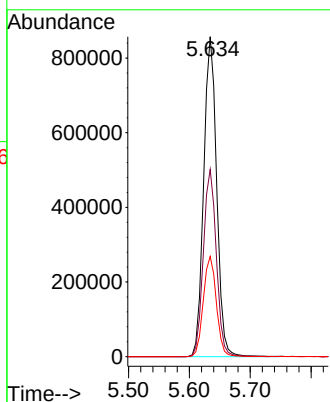
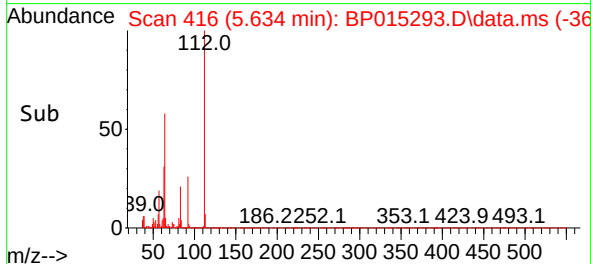
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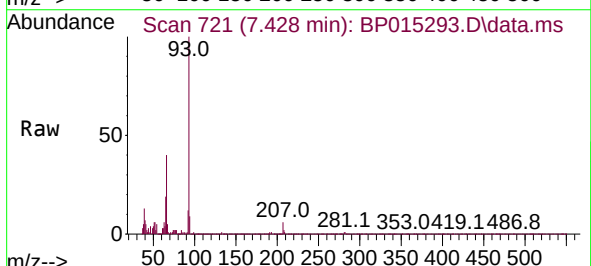
Tgt Ion:112 Resp: 127258
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 31.4 24.6 37.0

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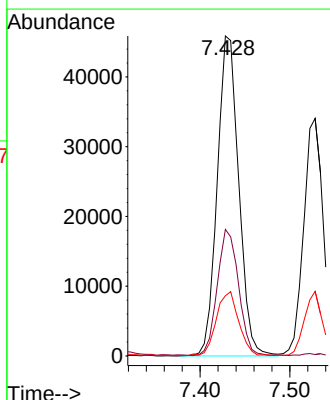
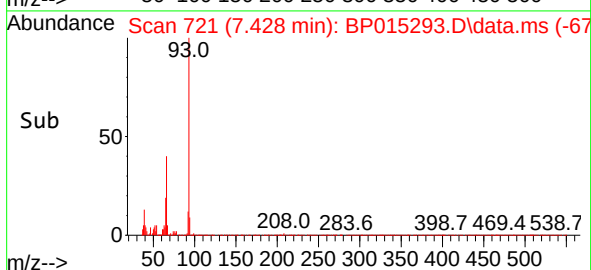
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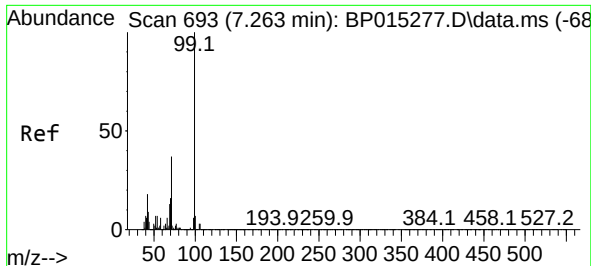


#6
Aniline
Concen: 3.856 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



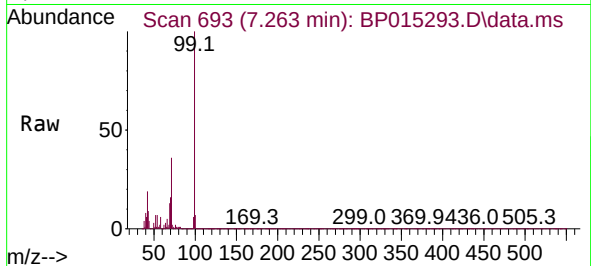
Tgt Ion: 93 Resp: 76318
Ion Ratio Lower Upper
93 100
66 39.6 31.3 46.9
65 18.8 16.0 24.0





#7
Phenol-d6
Concen: 106.881 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

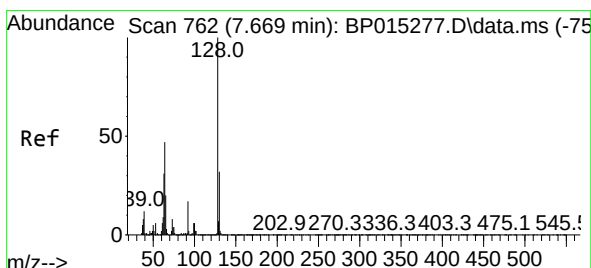
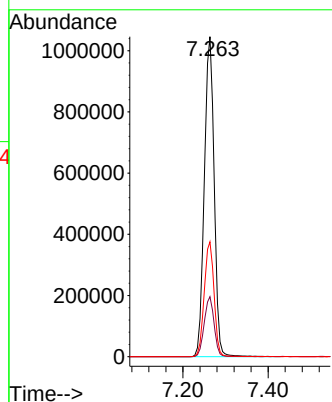
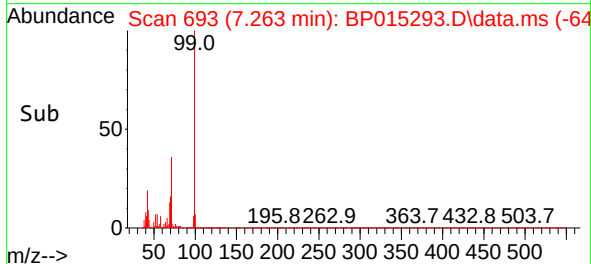
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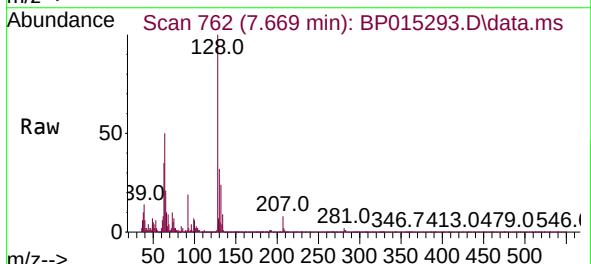
Tgt Ion: 99 Resp: 1673590
Ion Ratio Lower Upper
99 100
42 18.7 14.6 22.0
71 35.9 29.4 44.2

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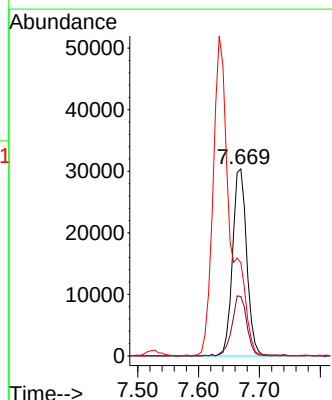
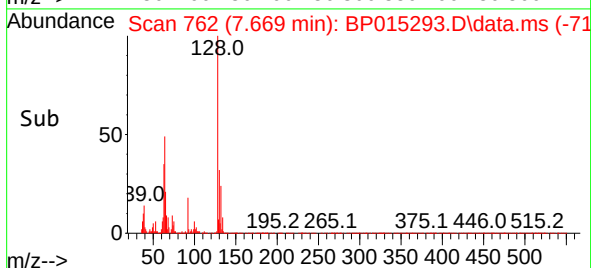
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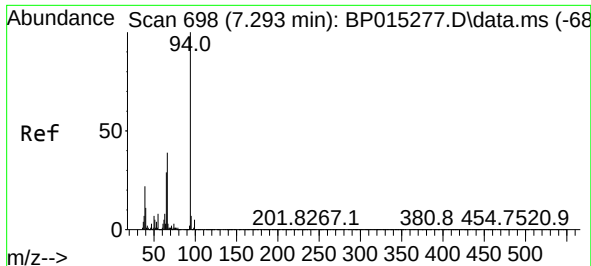


#8
2-Chlorophenol
Concen: 3.946 ng
RT: 7.669 min Scan# 762
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



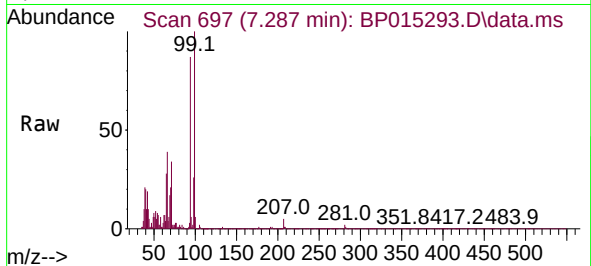
Tgt Ion:128 Resp: 49264
Ion Ratio Lower Upper
128 100
130 31.8 11.5 51.5
64 49.8 27.3 67.3





#10
Phenol
Concen: 3.909 ng
RT: 7.287 min Scan# 698
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

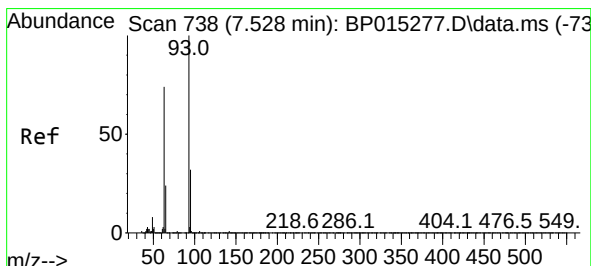
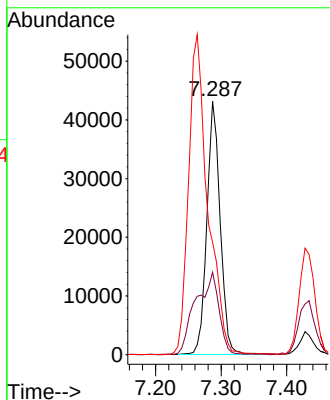
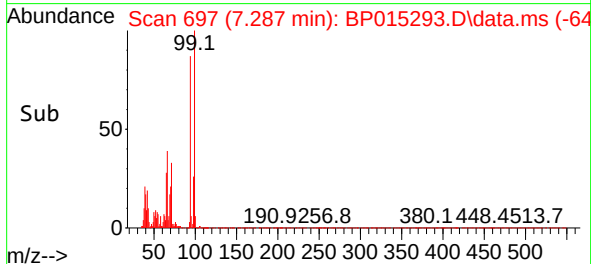
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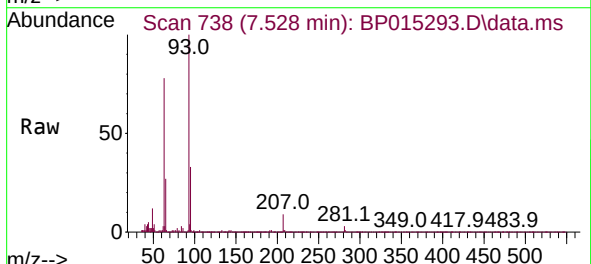
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Ion Ratio Lower Upper
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65 32.5 9.1 49.1
66 44.3 19.3 59.3

Manual Integrations
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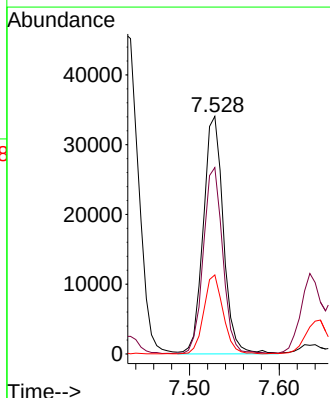
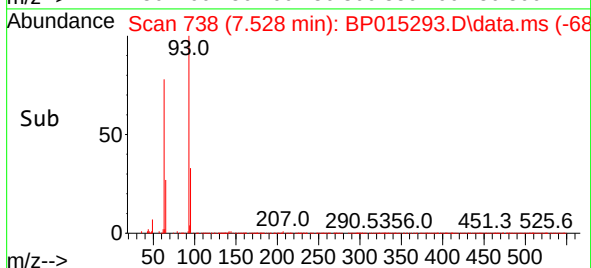
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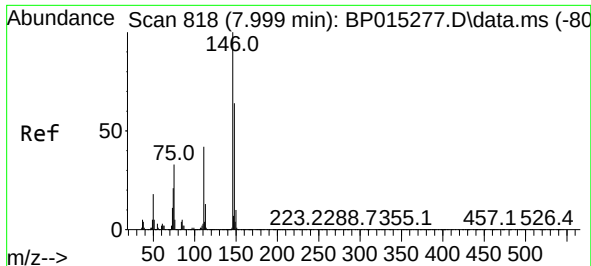


#11
bis(2-Chloroethyl)ether
Concen: 4.029 ng
RT: 7.528 min Scan# 738
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



Tgt Ion: 93 Resp: 52955
Ion Ratio Lower Upper
93 100
63 78.4 53.9 93.9
95 33.3 12.2 52.2





#12

1,3-Dichlorobenzene

Concen: 4.120 ng

RT: 7.999 min Scan# 818

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

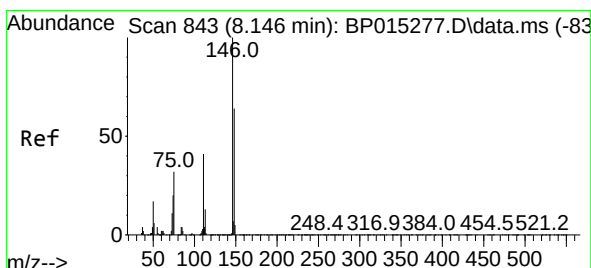
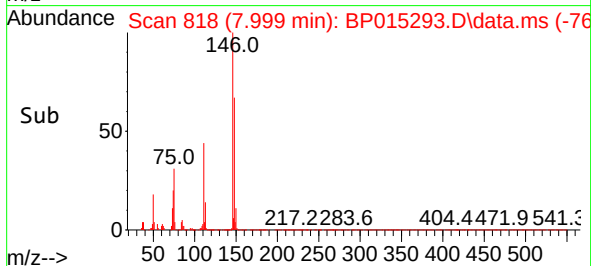
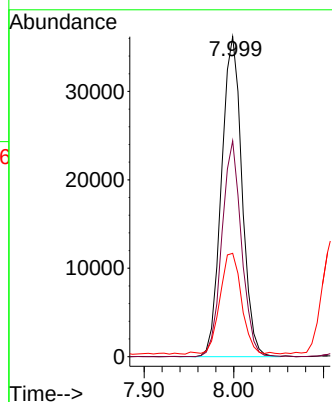
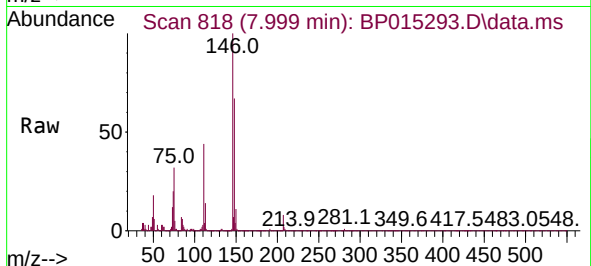
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	146	Resp:	5723
Ion Ratio	Lower	Upper	
146	100		
148	67.5	50.8	76.2
75	32.3	26.1	39.1

Manual Integrations

APPROVED

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



#13

1,4-Dichlorobenzene

Concen: 4.153 ng

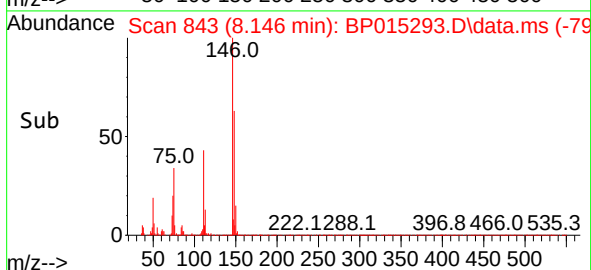
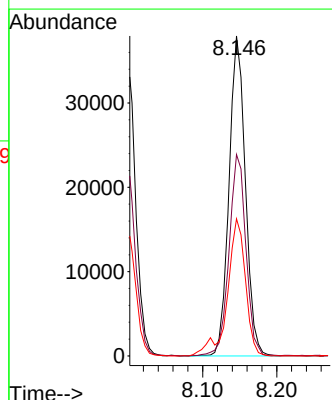
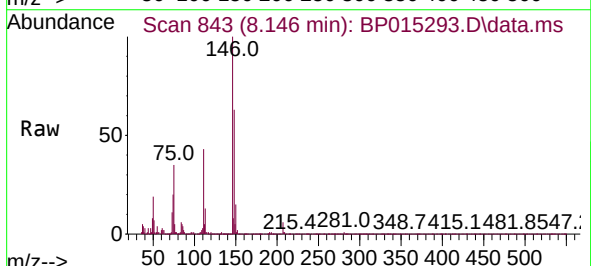
RT: 8.146 min Scan# 843

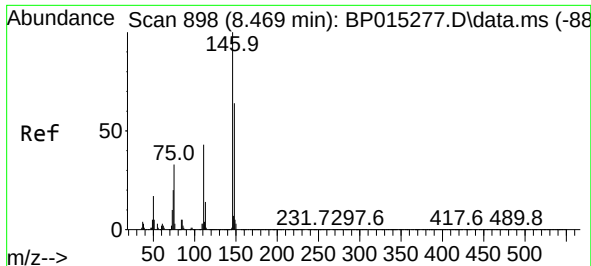
Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:	146	Resp:	58077
Ion Ratio	Lower	Upper	
146	100		
148	63.0	51.0	76.6
111	42.8	33.3	49.9





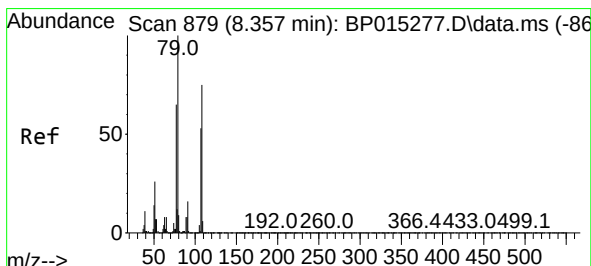
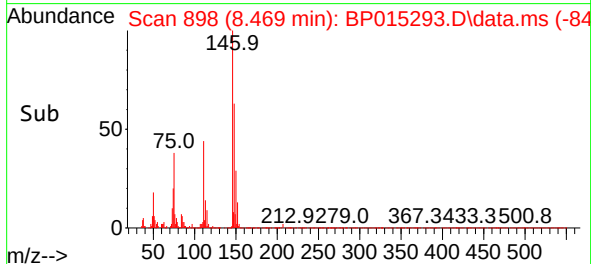
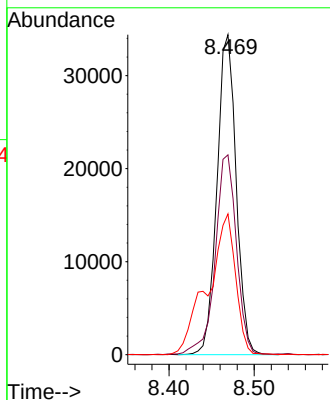
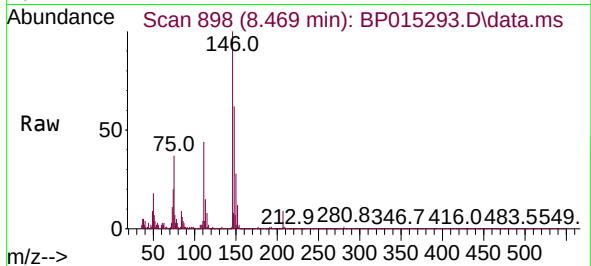
#14
1,2-Dichlorobenzene
Concen: 4.048 ng
RT: 8.469 min Scan# 898
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:146 Resp: 5401
Ion Ratio Lower Upper
146 100
148 62.4 51.4 77.2
111 44.0 34.2 51.2

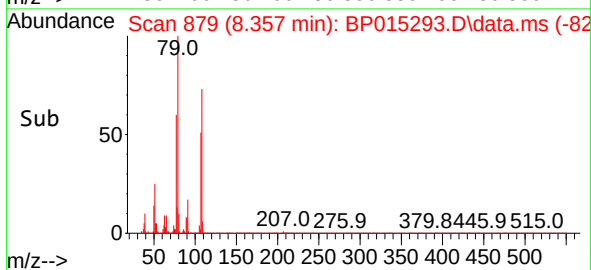
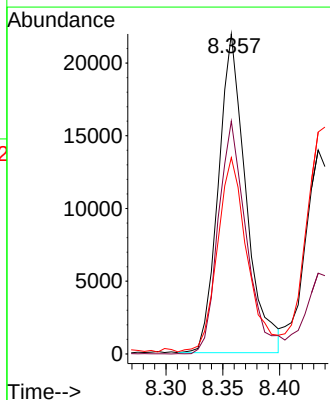
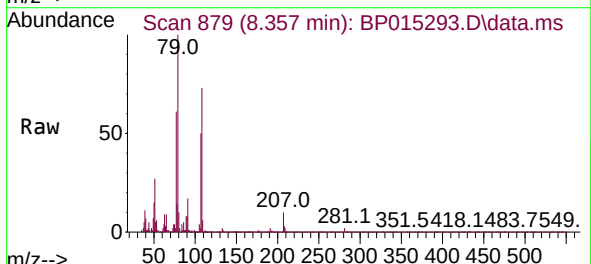
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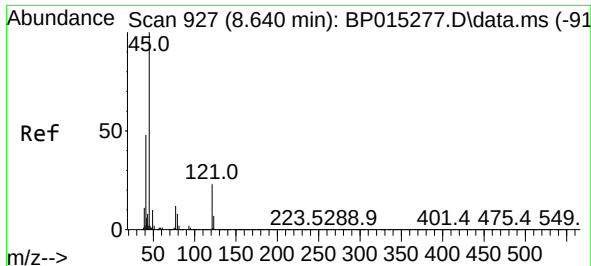
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#15
Benzyl Alcohol
Concen: 3.392 ng
RT: 8.357 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 79 Resp: 37075
Ion Ratio Lower Upper
79 100
108 72.7 60.2 90.2
77 61.4 52.1 78.1





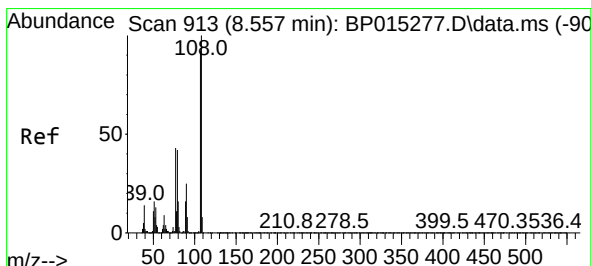
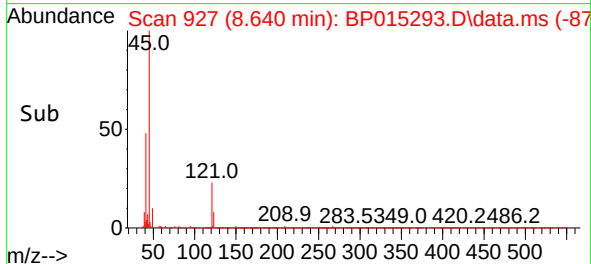
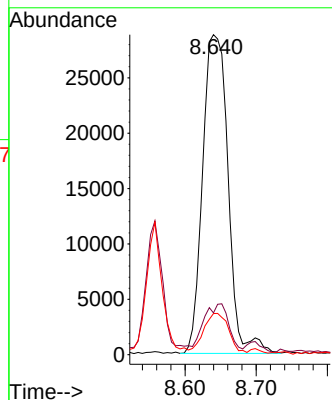
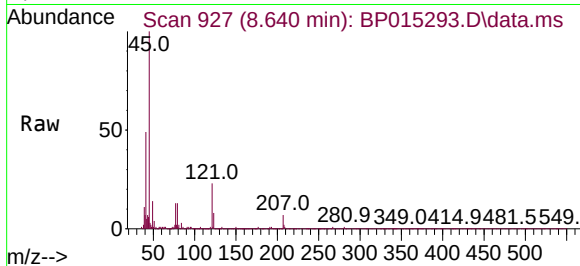
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.223 ng m
RT: 8.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 45 Resp: 7157
Ion Ratio Lower Upper
45 100
77 13.1 0.0 35.3
79 12.9 0.0 31.2

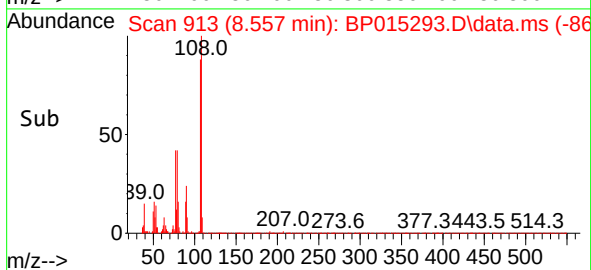
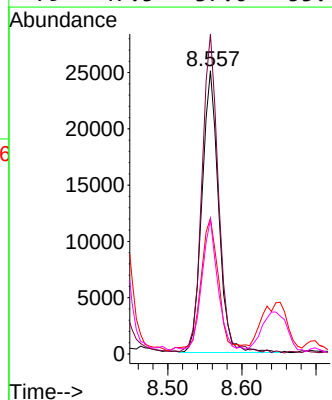
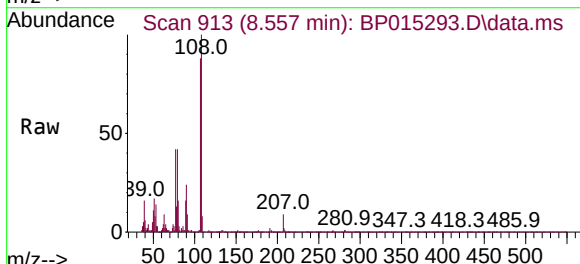
Manual Integrations
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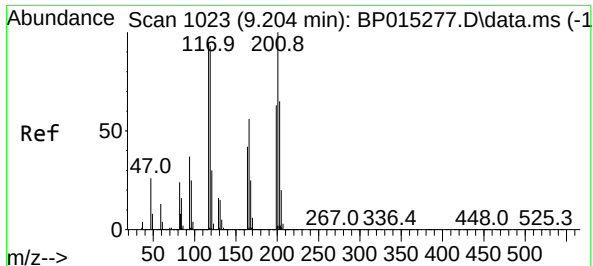
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#17
2-Methylphenol
Concen: 3.499 ng
RT: 8.557 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

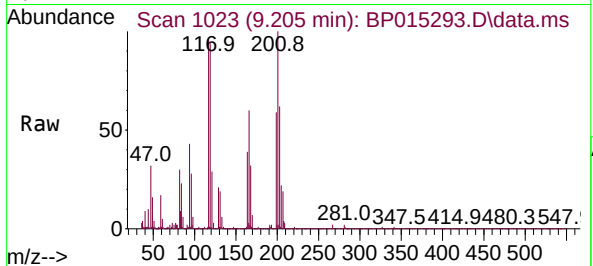
Tgt Ion:107 Resp: 39045
Ion Ratio Lower Upper
107 100
108 113.0 87.3 130.9
77 48.0 38.1 57.1
79 47.5 37.0 55.4





#18
Hexachloroethane
Concen: 4.023 ng
RT: 9.205 min Scan# 1023
Delta R.T. 0.001 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

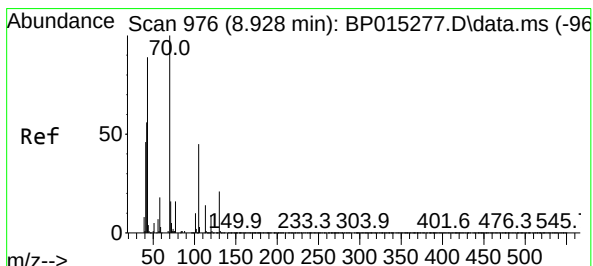
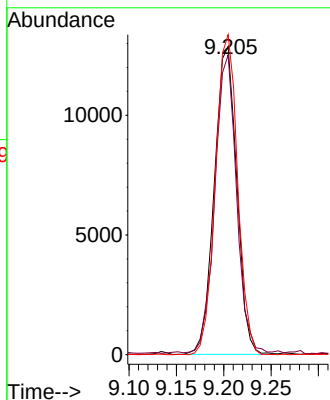
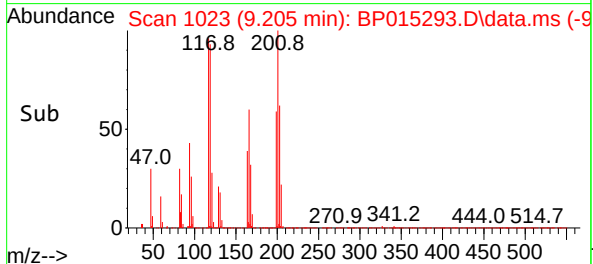
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



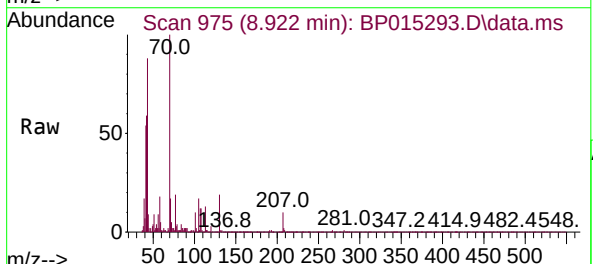
Tgt Ion: 117 Resp: 2120
Ion Ratio Lower Upper
117 100
119 97.3 78.8 118.2
201 103.8 84.5 126.7

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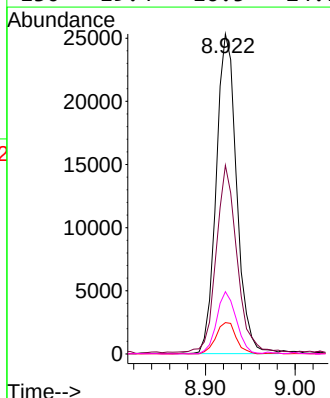
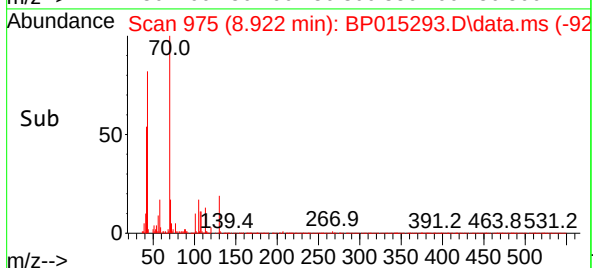
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

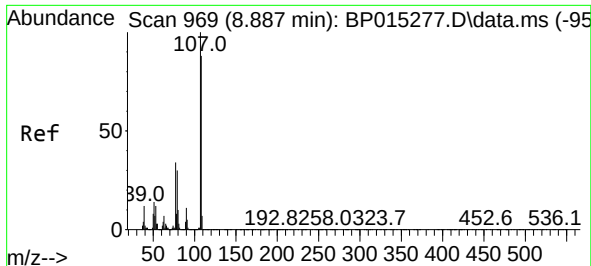


#19
n-Nitroso-di-n-propylamine
Concen: 3.996 ng
RT: 8.922 min Scan# 975
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



Tgt Ion: 70 Resp: 40046
Ion Ratio Lower Upper
70 100
42 59.0 45.4 68.2
101 9.8 7.9 11.9
130 19.4 16.5 24.7





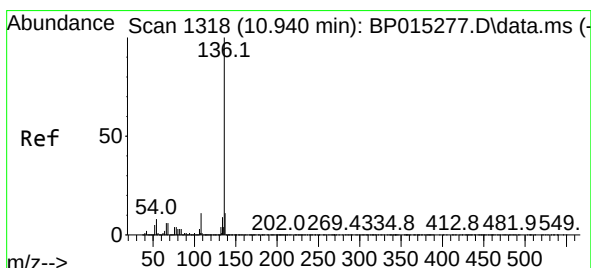
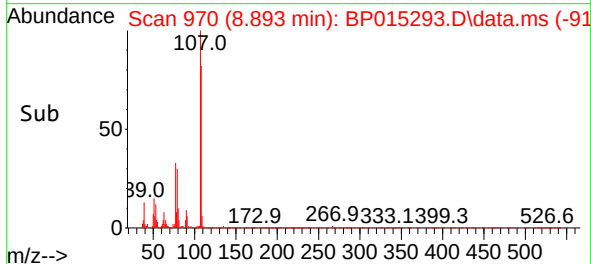
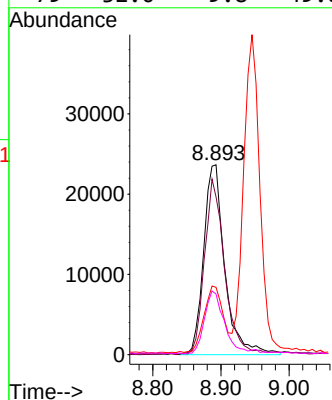
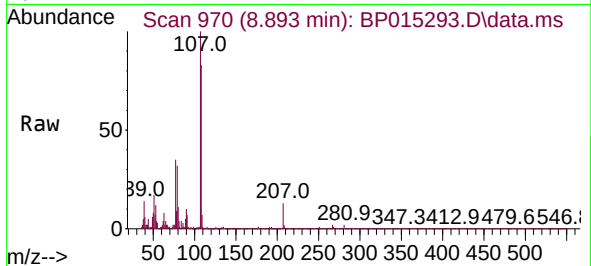
#20
3+4-Methylphenols
Concen: 3.389 ng
RT: 8.893 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion	Ratio	Lower	Upper
107	100		
108	83.1	68.0	108.0
77	35.4	14.5	54.5
79	32.0	9.8	49.8

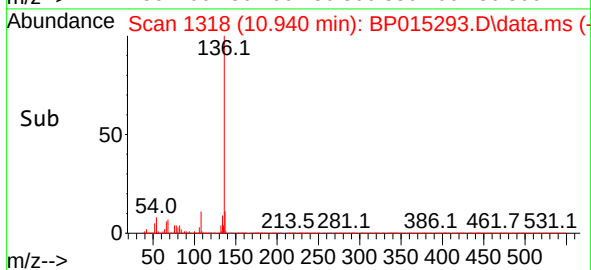
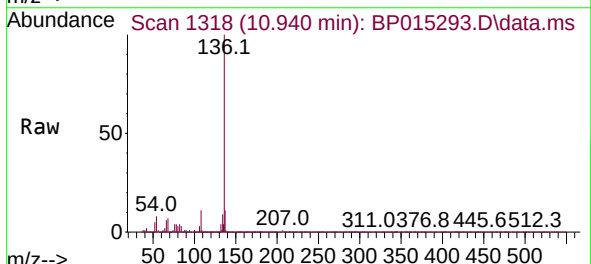
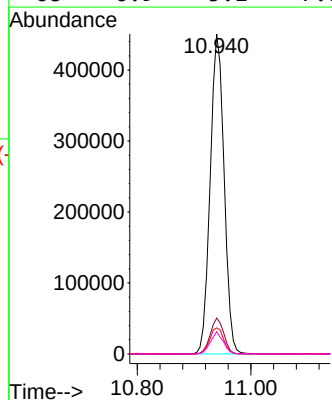
Manual Integrations
APPROVED

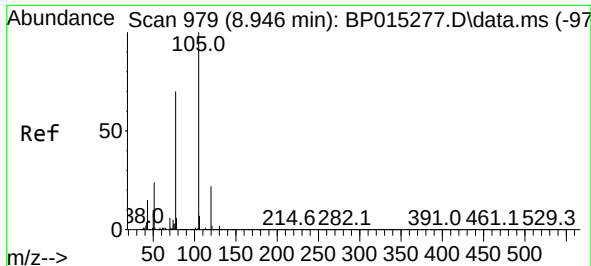
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

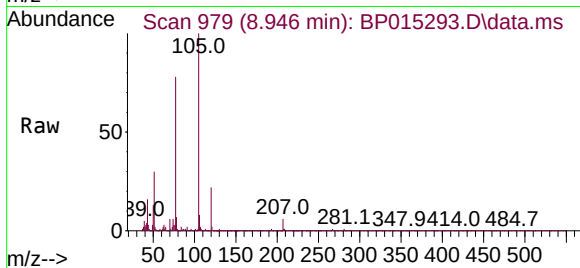
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.2	6.3	9.5
68	6.9	5.1	7.7





#22
Acetophenone
Concen: 4.064 ng
RT: 8.946 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

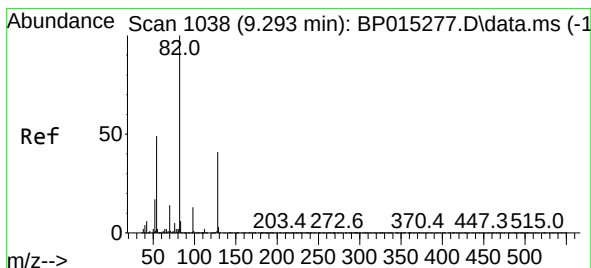
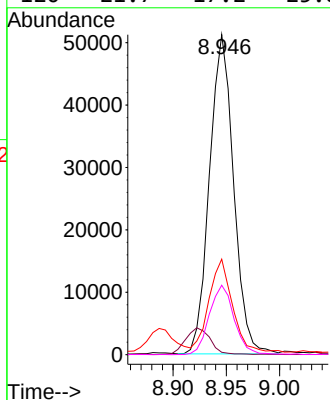
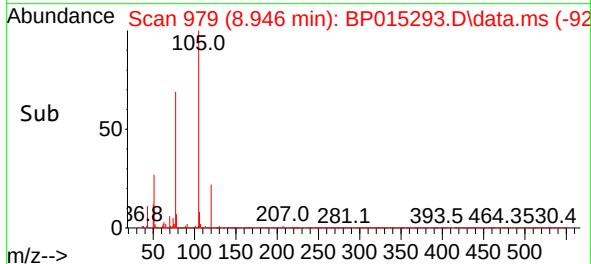
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



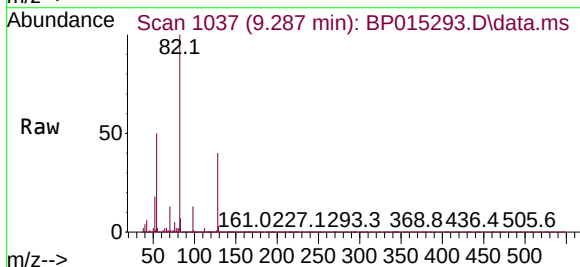
Tgt Ion: 105 Resp: 8043
Ion Ratio Lower Upper
105 100
71 0.7 1.5 2.3
51 29.9 22.5 33.7
120 21.7 17.2 25.8

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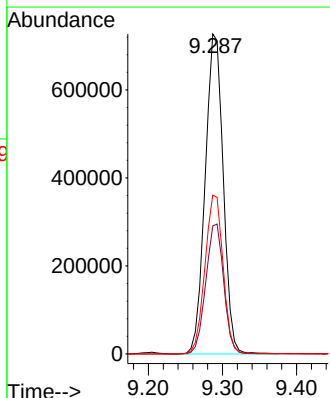
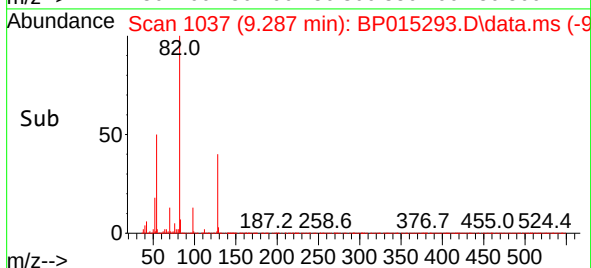
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023

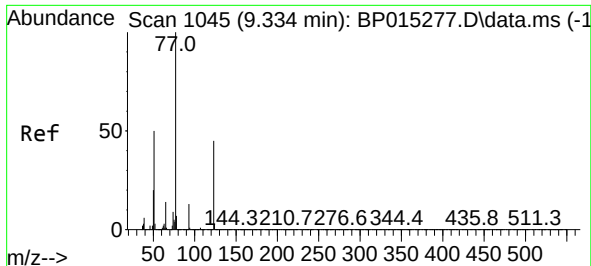


#23
Nitrobenzene-d5
Concen: 78.812 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



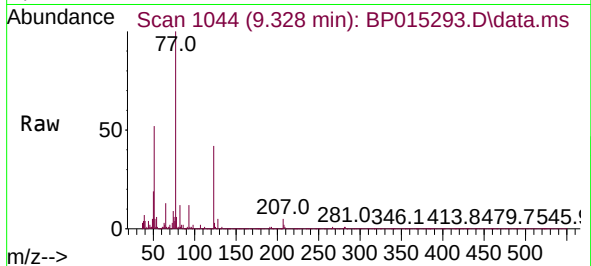
Tgt Ion: 82 Resp: 1230011
Ion Ratio Lower Upper
82 100
128 40.0 33.0 49.4
54 49.7 39.2 58.8





#24
Nitrobenzene
Concen: 3.941 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

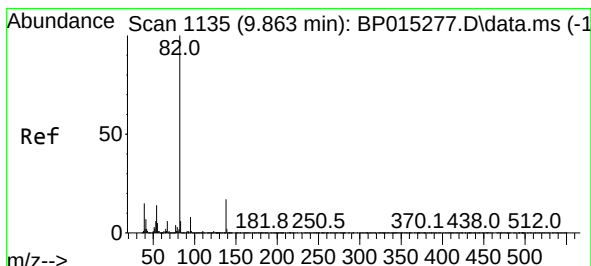
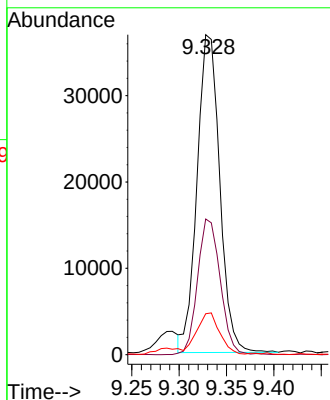
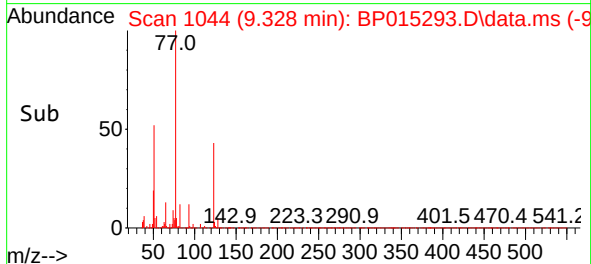
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



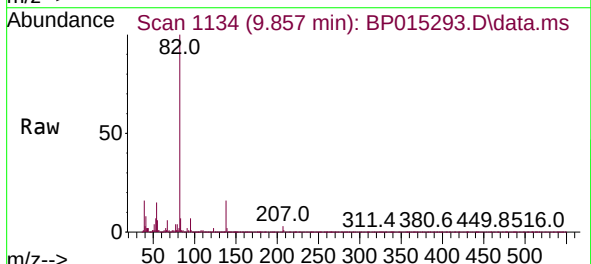
Tgt Ion: 77 Resp: 61240
Ion Ratio Lower Upper
77 100
123 42.4 36.2 54.4
65 12.8 10.8 16.2

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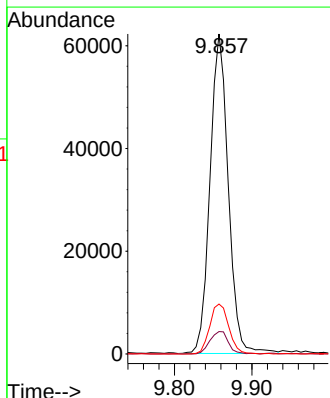
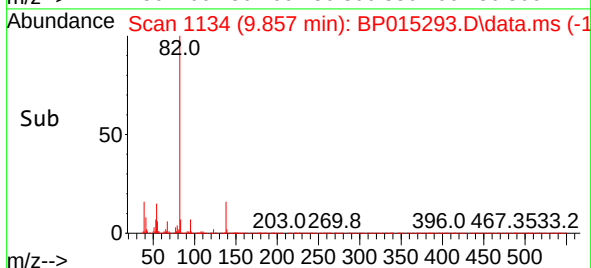
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

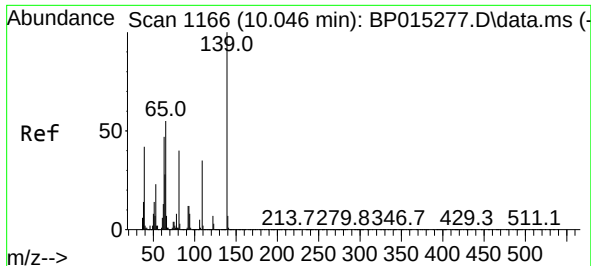


#25
Isophorone
Concen: 3.636 ng
RT: 9.857 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



Tgt Ion: 82 Resp: 101844
Ion Ratio Lower Upper
82 100
95 7.0 6.3 9.5
138 15.6 13.6 20.4





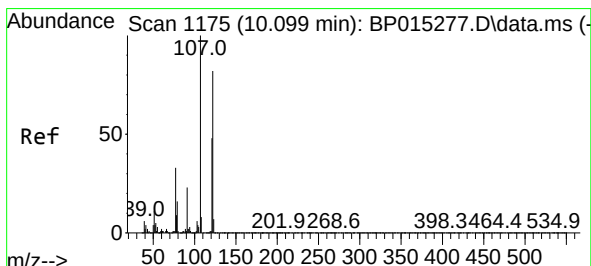
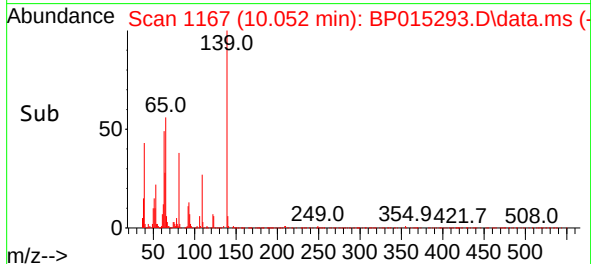
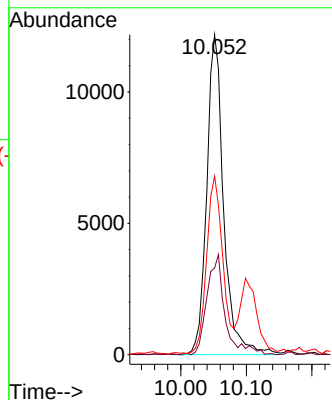
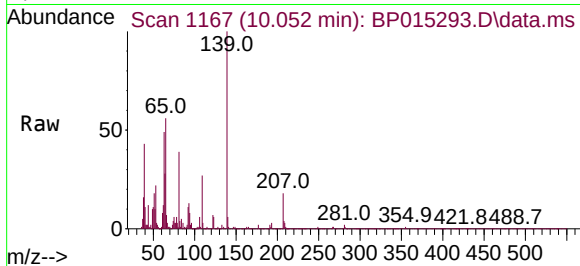
#26
2-Nitrophenol
Concen: 3.207 ng
RT: 10.052 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:139 Resp: 2187
Ion Ratio Lower Upper
139 100
109 27.1 28.4 42.6
65 55.8 43.8 65.8

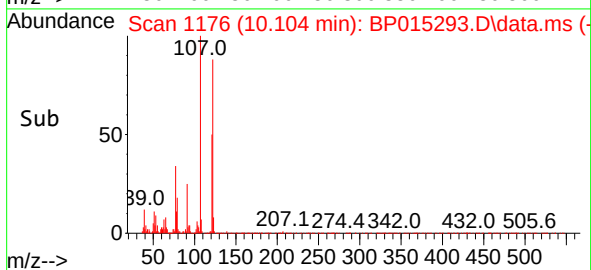
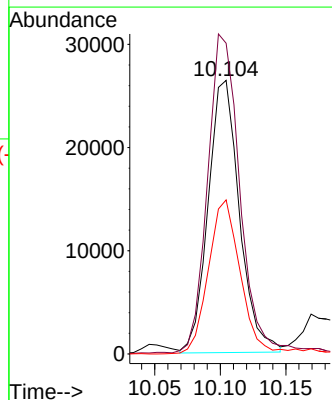
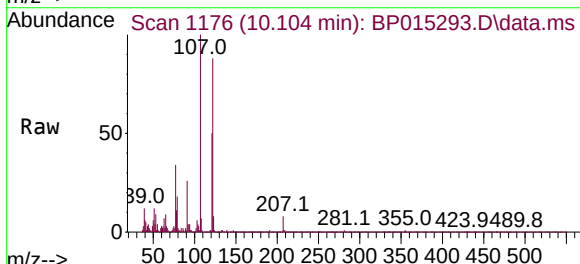
Manual Integrations
APPROVED

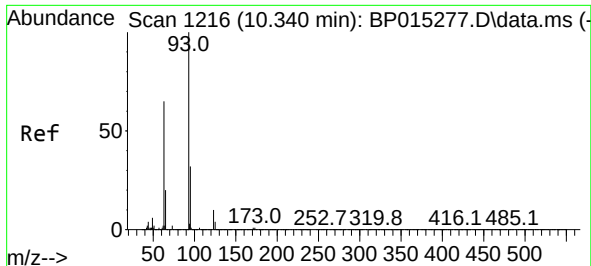
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#27
2,4-Dimethylphenol
Concen: 3.833 ng
RT: 10.104 min Scan# 1176
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:122 Resp: 43831
Ion Ratio Lower Upper
122 100
107 113.6 95.9 143.9
121 56.3 45.8 68.8





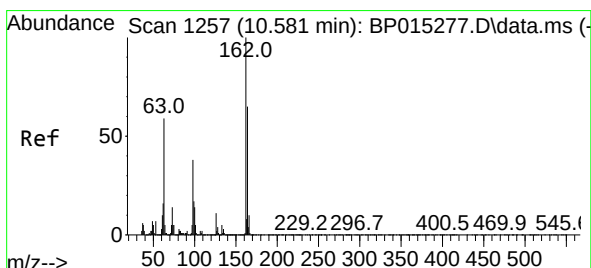
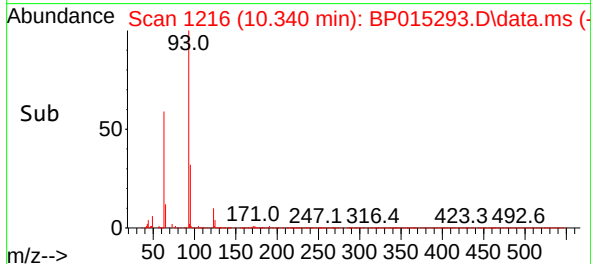
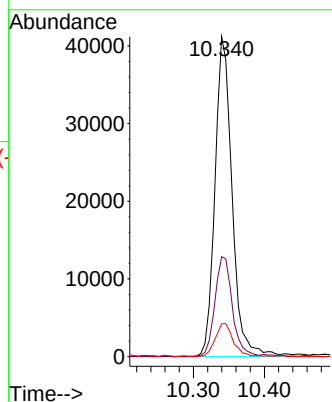
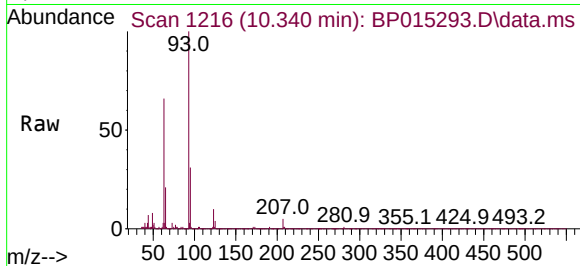
#28
bis(2-Chloroethoxy)methane
Concen: 3.978 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 93 Resp: 6867
Ion Ratio Lower Upper
93 100
95 31.2 26.0 39.0
123 10.3 8.4 12.6

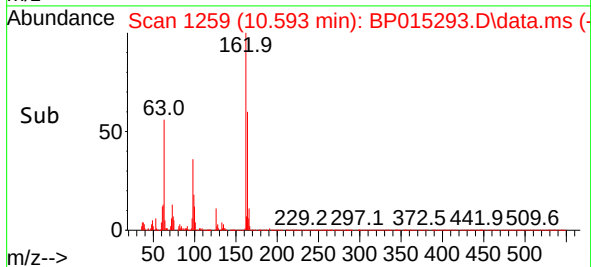
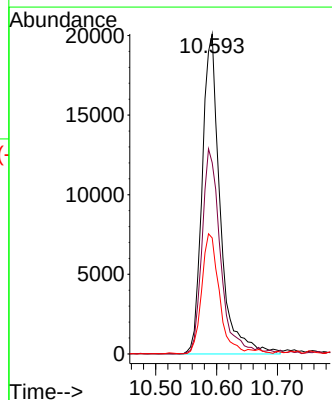
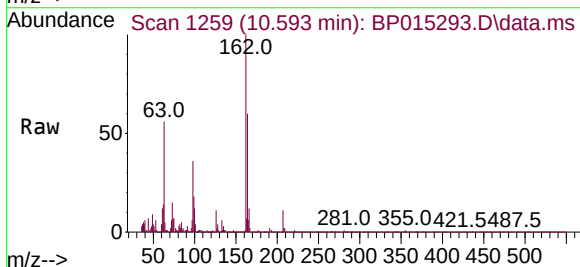
Manual Integrations
APPROVED

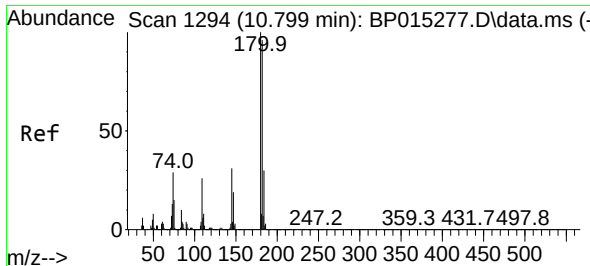
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#29
2,4-Dichlorophenol
Concen: 3.479 ng
RT: 10.593 min Scan# 1259
Delta R.T. 0.012 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:162 Resp: 41255
Ion Ratio Lower Upper
162 100
164 59.8 45.4 85.4
98 36.3 17.9 57.9





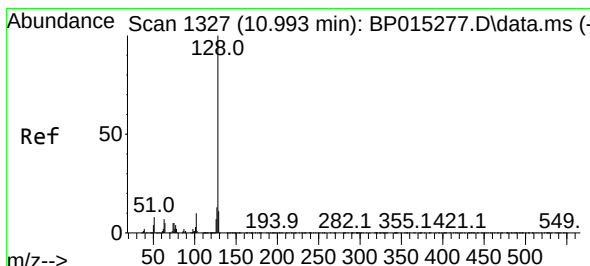
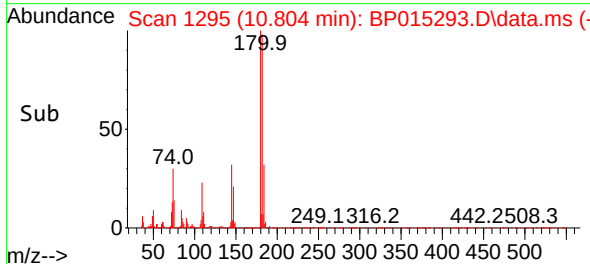
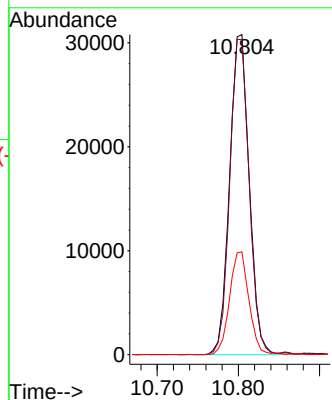
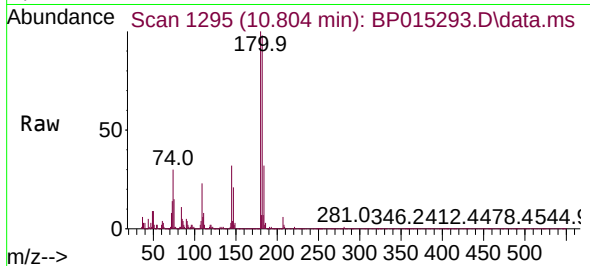
#30
1,2,4-Trichlorobenzene
Concen: 3.904 ng
RT: 10.804 min Scan# 1294
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:180 Resp: 5163
Ion Ratio Lower Upper
180 100
182 98.4 76.6 115.0
145 32.1 24.9 37.3

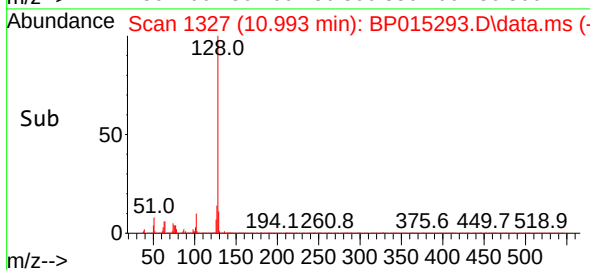
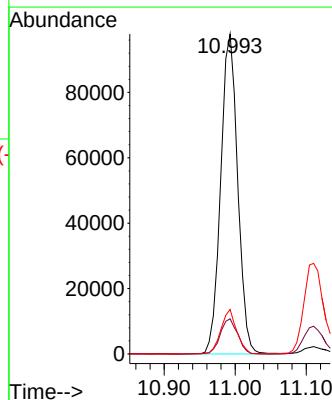
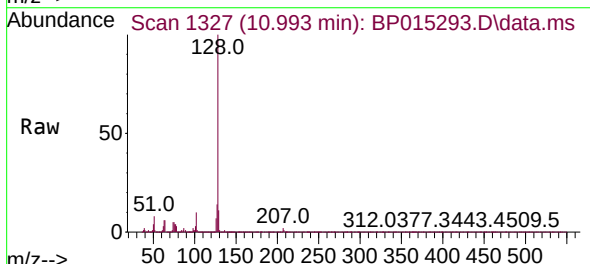
Manual Integrations
APPROVED

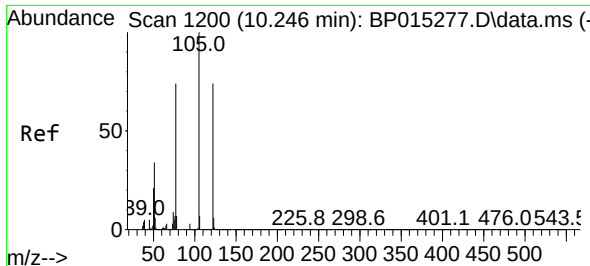
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#31
Naphthalene
Concen: 4.039 ng
RT: 10.993 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:128 Resp: 162071
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.9 10.4 15.6





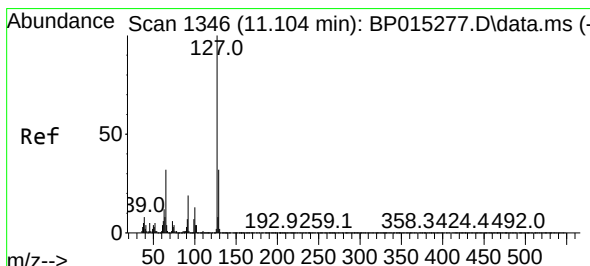
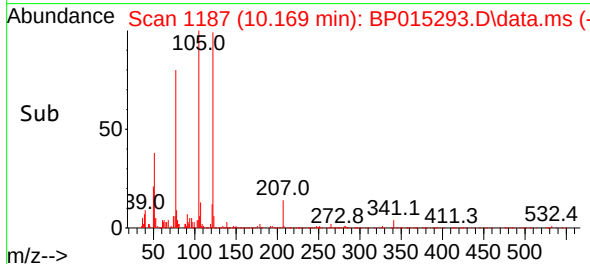
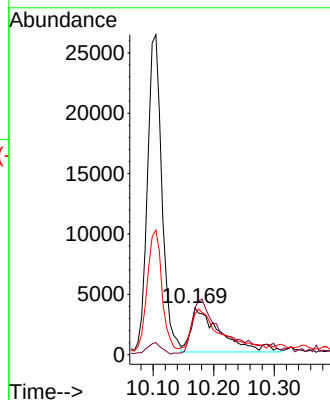
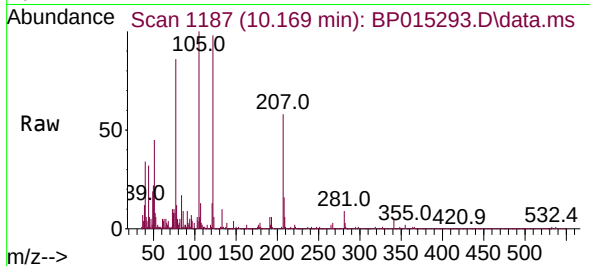
#32
Benzoic acid
Concen: 7.530 ng m
RT: 10.169 min Scan# 1187
Delta R.T. -0.077 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:122 Resp: 1239
Ion Ratio Lower Upper
122 100
105 101.6 109.5 149.5
77 87.3 78.2 118.2

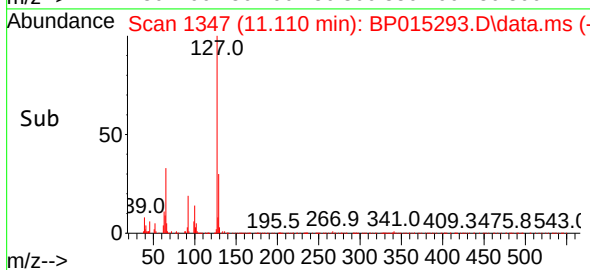
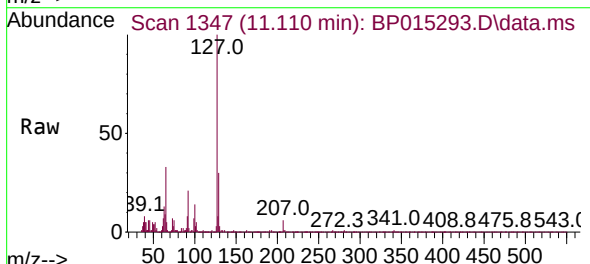
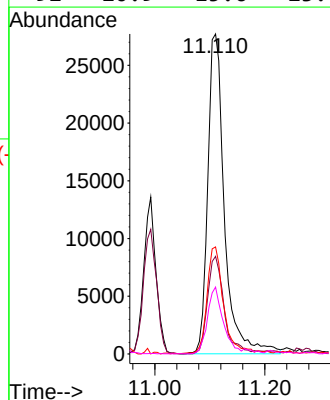
Manual Integrations
APPROVED

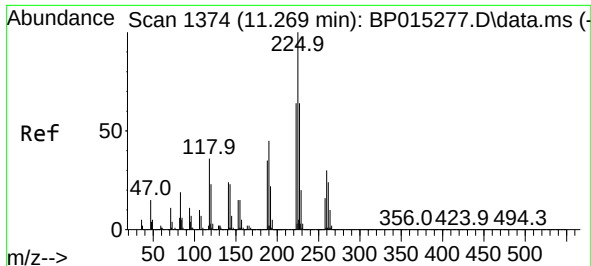
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#33
4-Chloroaniline
Concen: 3.528 ng
RT: 11.110 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

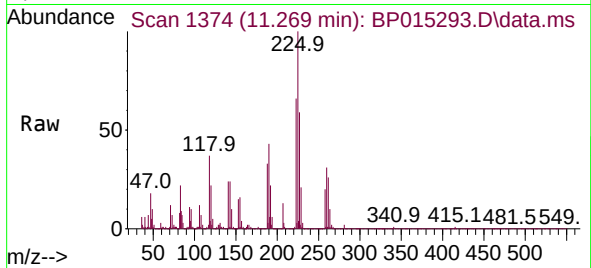
Tgt Ion:127 Resp: 58531
Ion Ratio Lower Upper
127 100
129 30.5 25.5 38.3
65 33.4 25.3 37.9
92 20.9 15.6 23.4





#34
Hexachlorobutadiene
Concen: 3.844 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

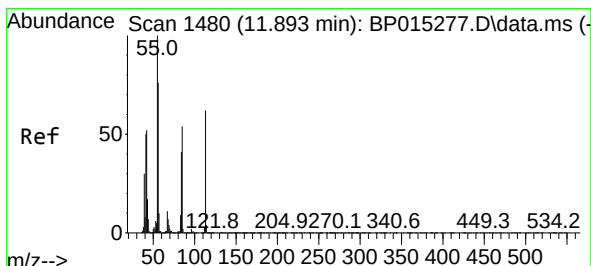
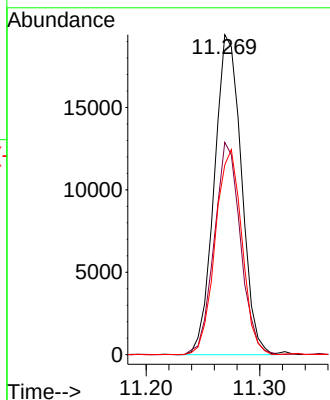
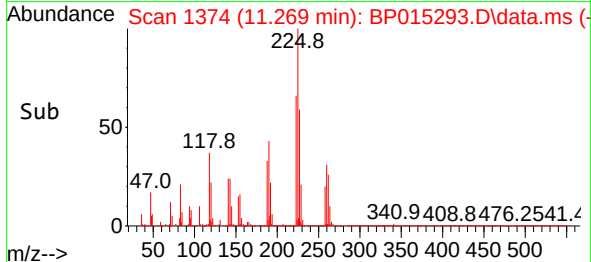
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:225 Resp: 3221
Ion Ratio Lower Upper
225 100
223 63.6 51.0 76.4
227 56.8 51.4 77.2

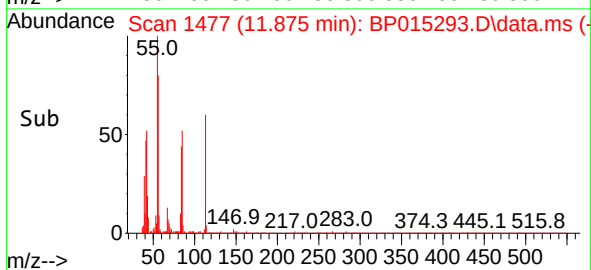
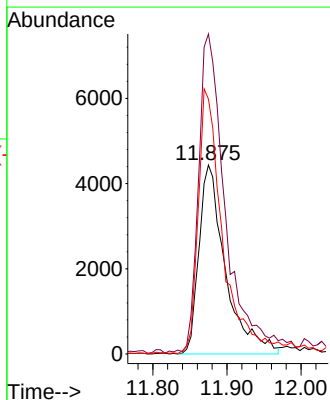
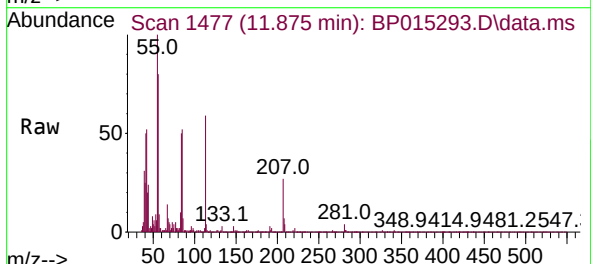
Manual Integrations
APPROVED

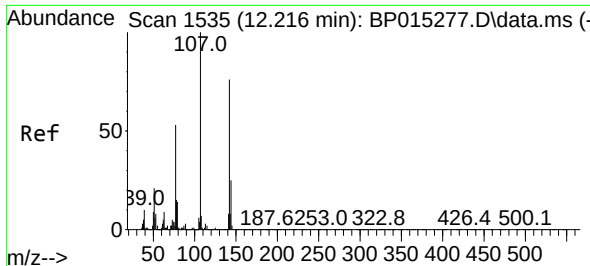
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#35
Caprolactam
Concen: 3.029 ng
RT: 11.875 min Scan# 1477
Delta R.T. -0.018 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:113 Resp: 11026
Ion Ratio Lower Upper
113 100
55 169.3 141.4 181.4
56 134.9 102.5 142.5





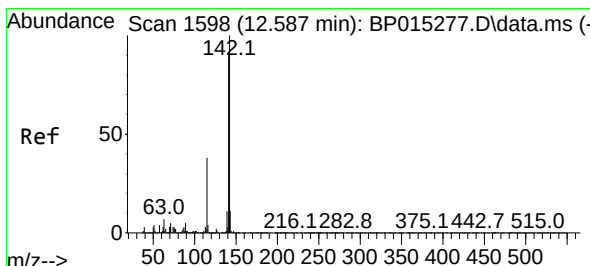
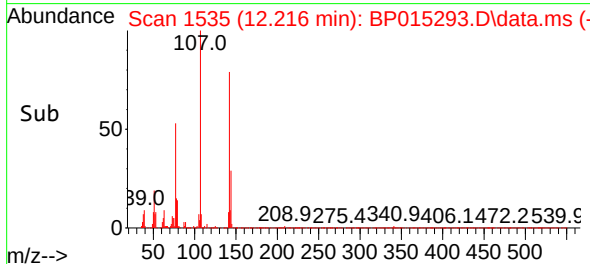
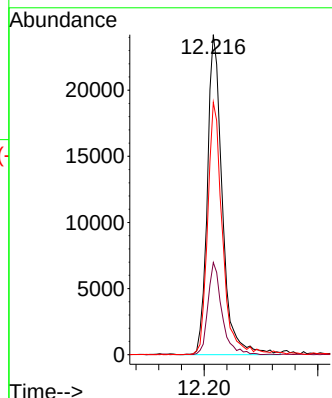
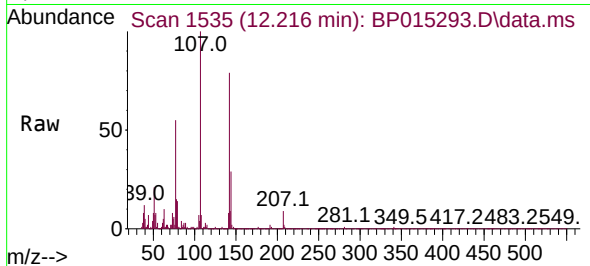
#36
4-Chloro-3-methylphenol
Concen: 3.425 ng
RT: 12.216 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:107 Resp: 44149
Ion Ratio Lower Upper
107 100
144 28.8 19.8 29.6
142 78.9 61.0 91.4

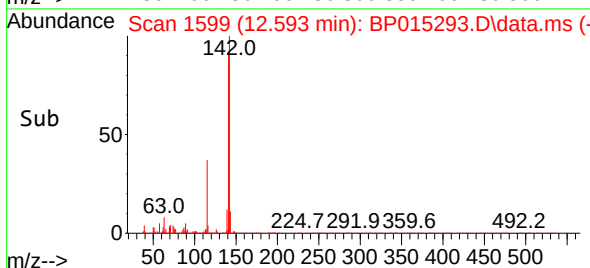
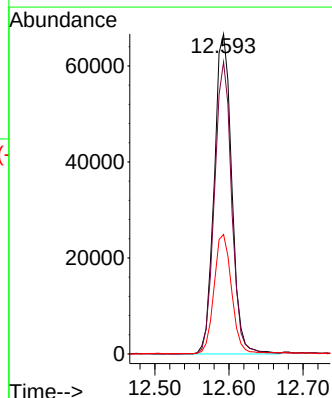
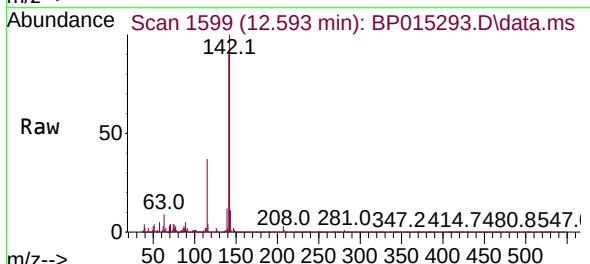
Manual Integrations
APPROVED

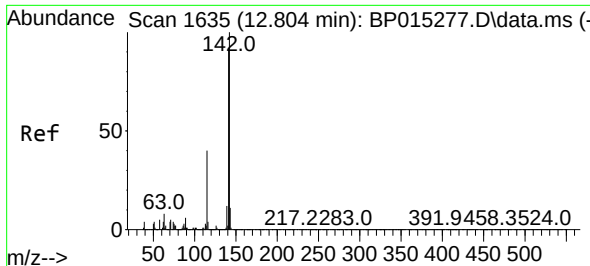
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#37
2-Methylnaphthalene
Concen: 3.838 ng
RT: 12.593 min Scan# 1599
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

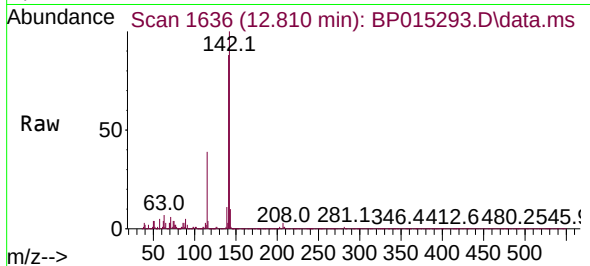
Tgt Ion:142 Resp: 109463
Ion Ratio Lower Upper
142 100
141 91.3 72.0 108.0
115 37.4 30.6 46.0





#38
1-Methylnaphthalene
Concen: 3.893 ng
RT: 12.810 min Scan# 1636
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

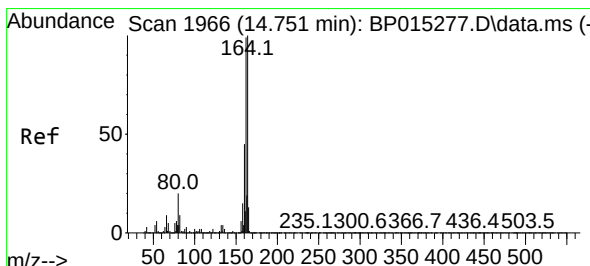
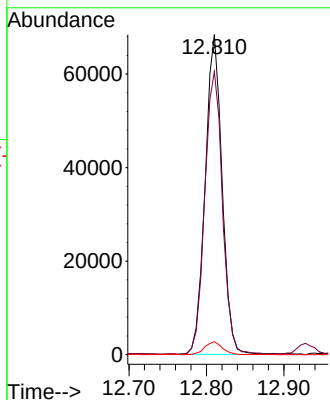
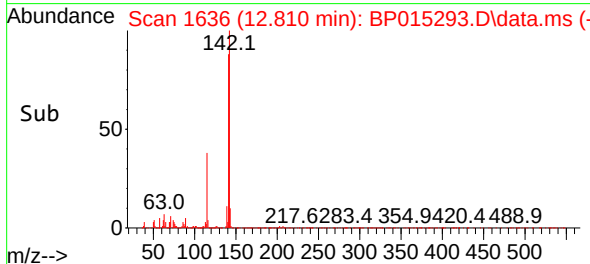
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:142 Resp: 10360
Ion Ratio Lower Upper
142 100
141 88.5 73.8 110.6
116 4.0 3.4 5.0

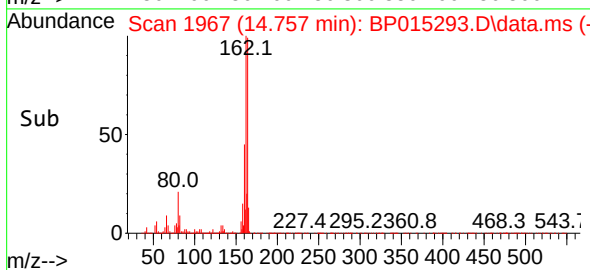
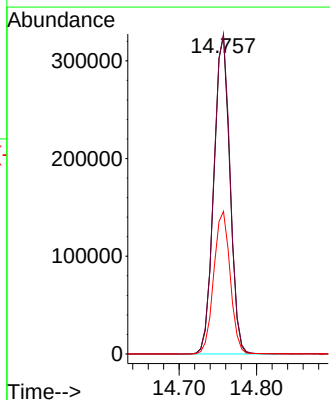
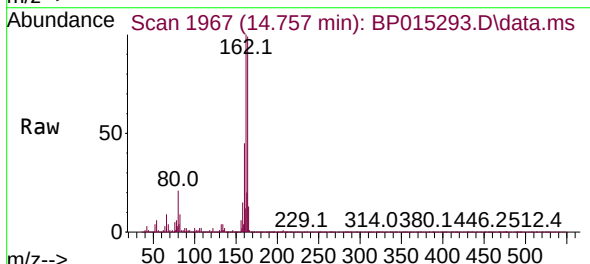
Manual Integrations
APPROVED

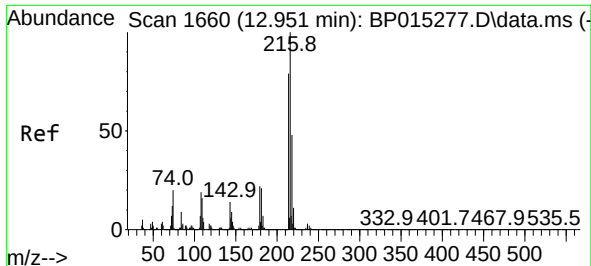
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.757 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:164 Resp: 468861
Ion Ratio Lower Upper
164 100
162 100.6 79.4 119.2
160 44.8 35.6 53.4





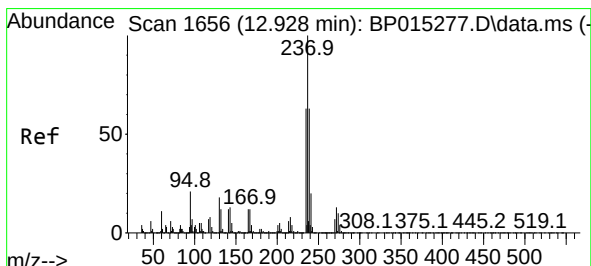
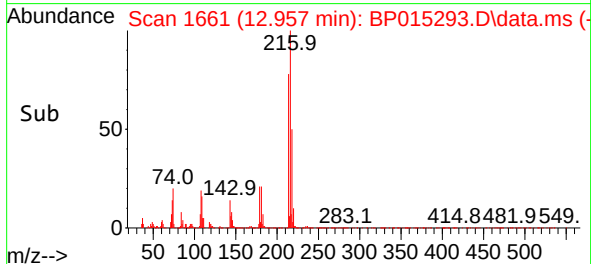
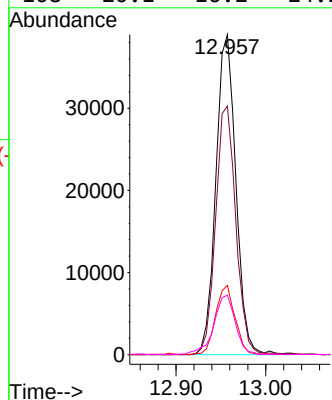
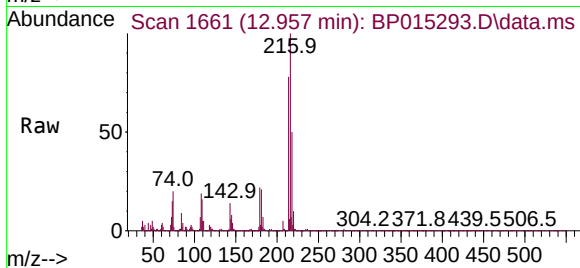
#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.918 ng
RT: 12.957 min Scan# 1660
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
Client Sample Id :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 216 Resp: 60270
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 21.1 17.3 25.9
108 20.1 16.2 24.2

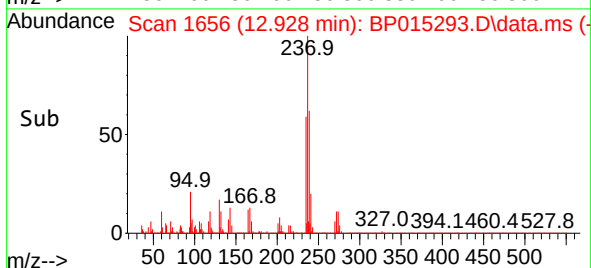
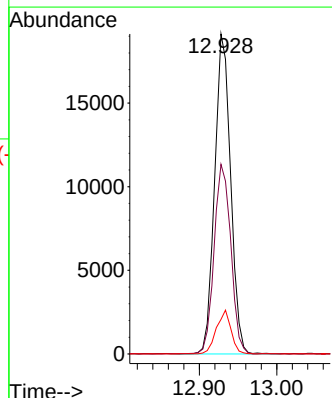
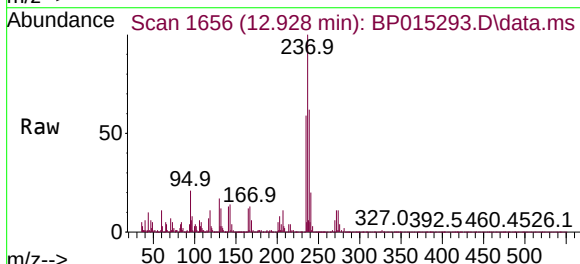
Manual Integrations
APPROVED

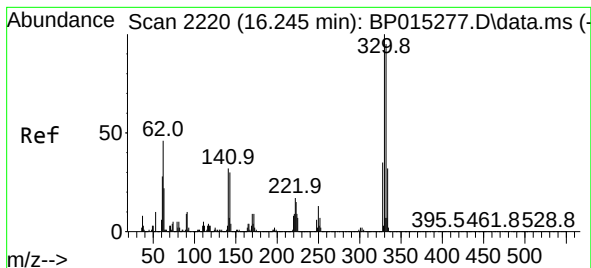
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023



#41
Hexachlorocyclopentadiene
Concen: 3.361 ng
RT: 12.928 min Scan# 1656
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 237 Resp: 27391
Ion Ratio Lower Upper
237 100
235 59.2 43.2 83.2
272 10.8 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 106.795 ng

RT: 16.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015293.D

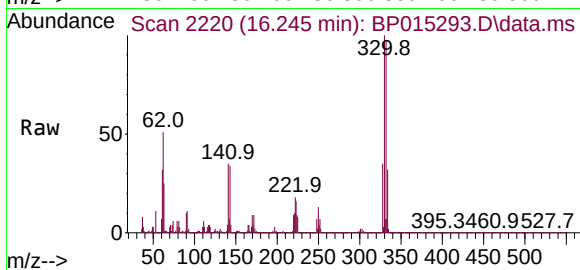
Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:330 Resp: 68044

Ion Ratio Lower Upper

330 100

332 96.3 76.3 114.5

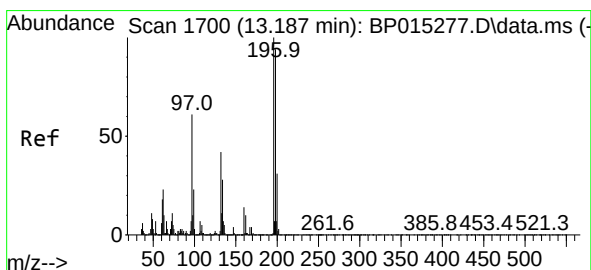
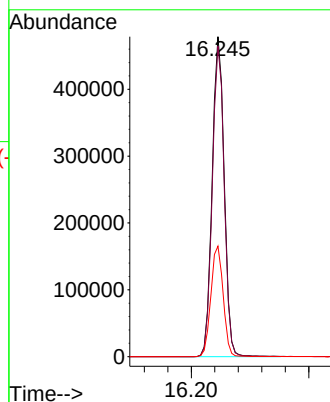
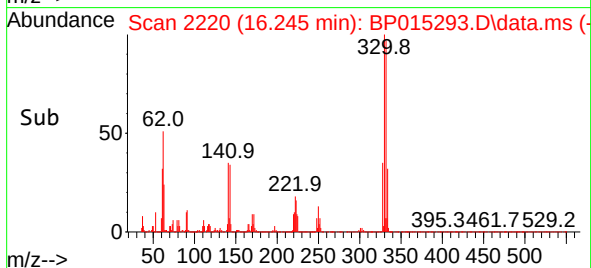
141 35.3 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#43

2,4,6-Trichlorophenol

Concen: 3.390 ng

RT: 13.193 min Scan# 1701

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

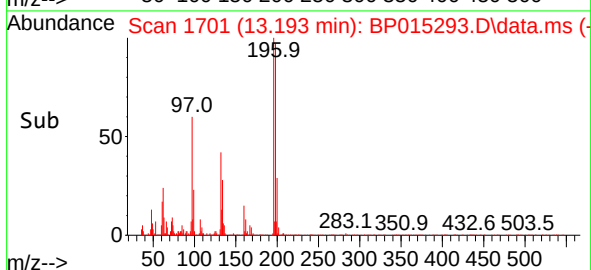
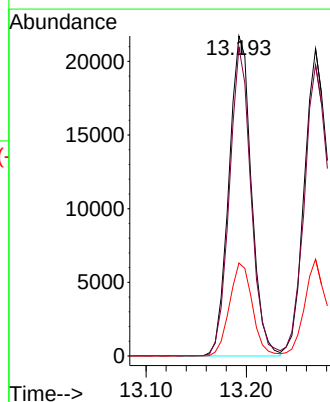
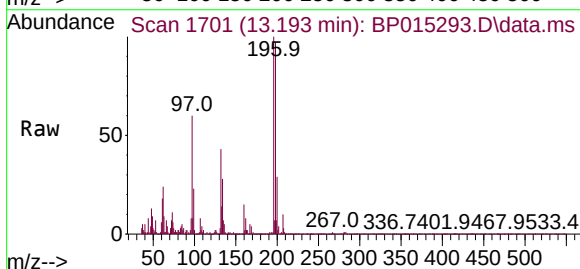
Tgt Ion:196 Resp: 33850

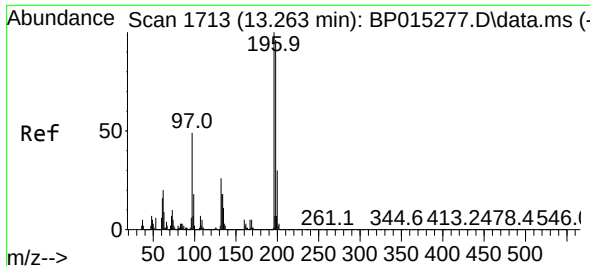
Ion Ratio Lower Upper

196 100

198 96.6 75.0 112.4

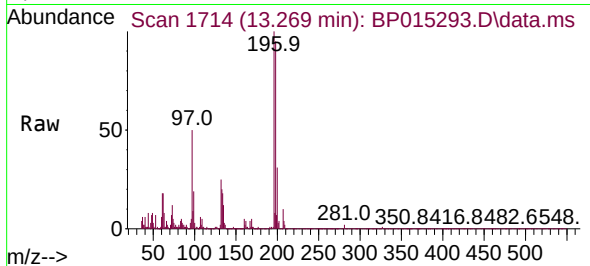
200 29.1 24.4 36.6





#44
2,4,5-Trichlorophenol
Concen: 3.104 ng
RT: 13.269 min Scan# 1713
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

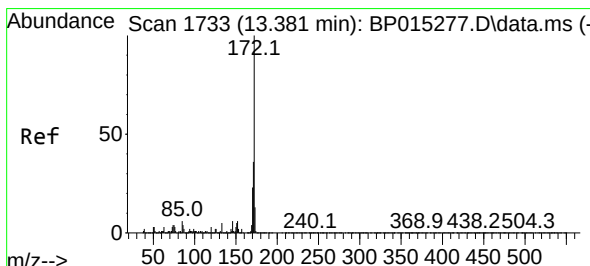
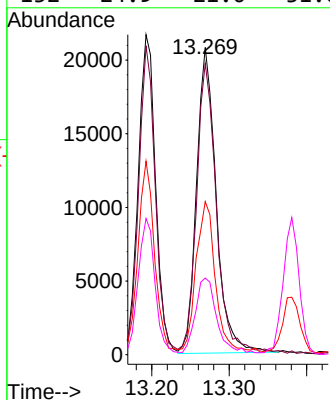
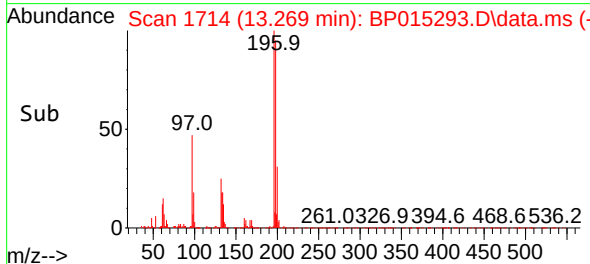
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:196 Resp: 36430
Ion Ratio Lower Upper
196 100
198 94.8 76.8 115.2
97 49.8 39.3 58.9
132 24.9 21.0 31.6

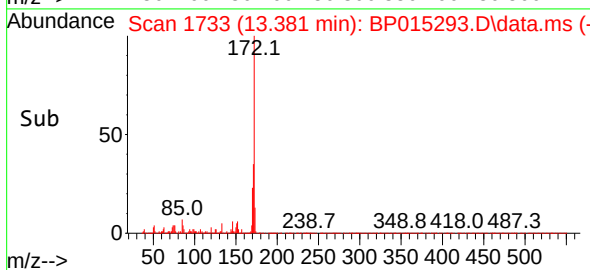
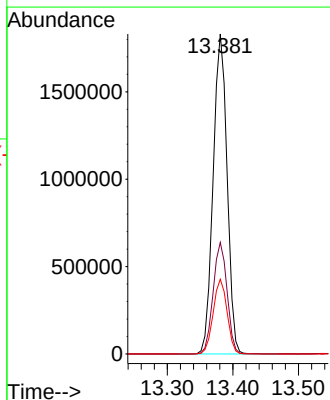
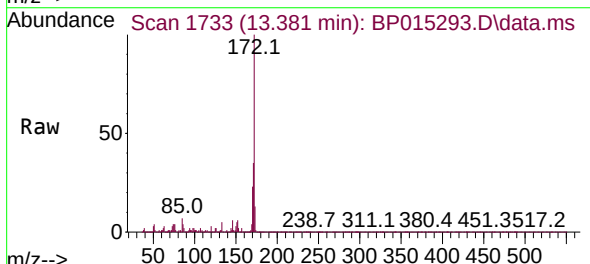
Manual Integrations
APPROVED

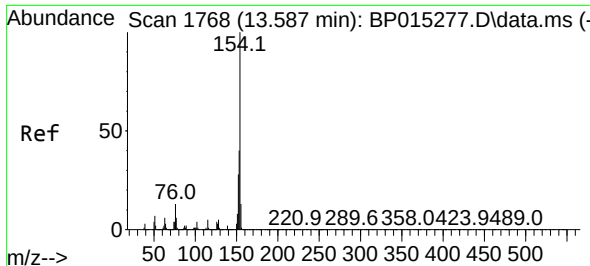
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#45
2-Fluorobiphenyl
Concen: 77.177 ng
RT: 13.381 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:172 Resp: 2695243
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.3 18.7 28.1





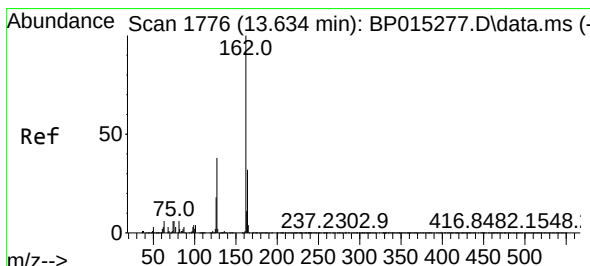
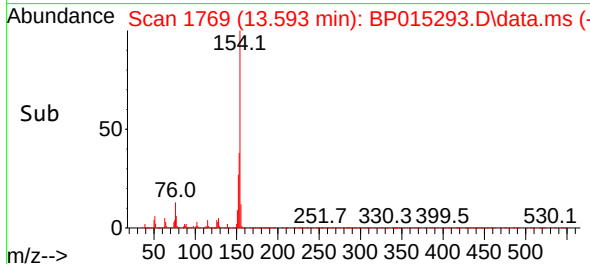
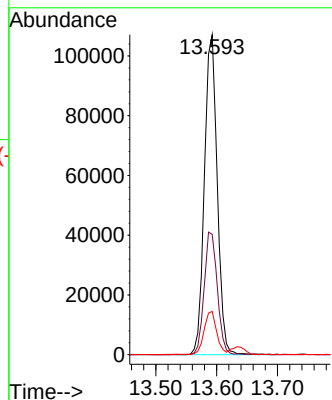
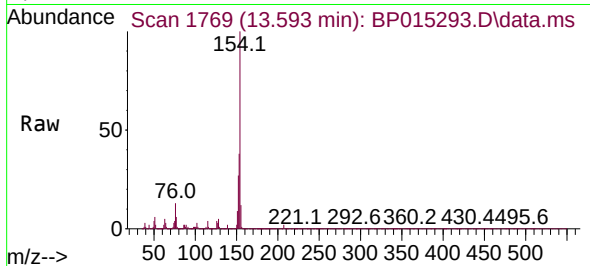
#46
1,1'-Biphenyl
Concen: 4.211 ng
RT: 13.593 min Scan# 1769
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:154 Resp: 15643
Ion Ratio Lower Upper
154 100
153 37.6 20.3 60.3
76 13.5 0.0 33.1

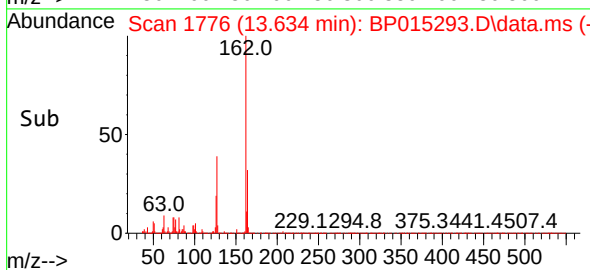
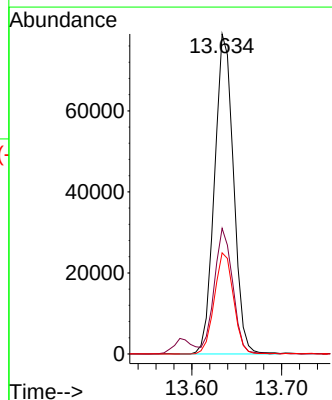
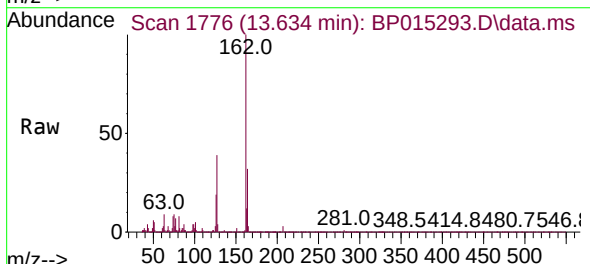
Manual Integrations
APPROVED

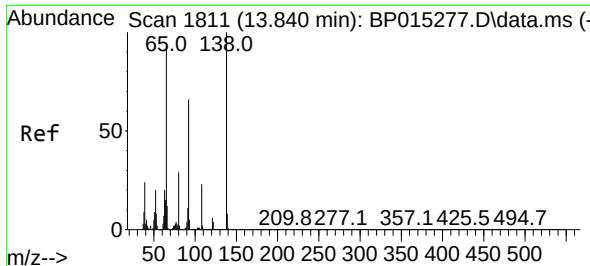
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#47
2-Chloronaphthalene
Concen: 4.144 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:162 Resp: 116142
Ion Ratio Lower Upper
162 100
127 39.2 31.7 47.5
164 31.6 25.8 38.8





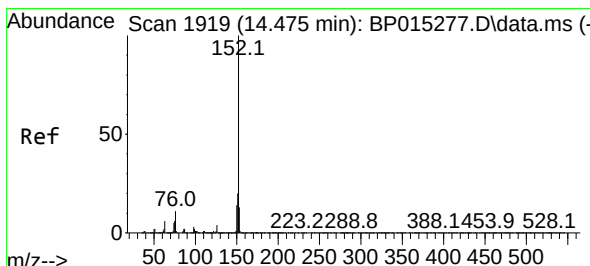
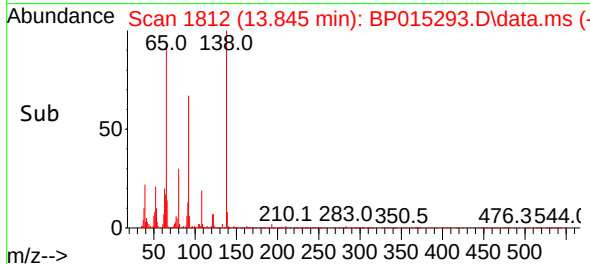
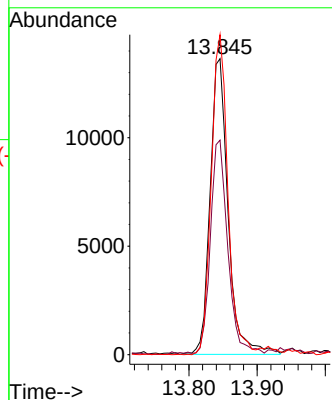
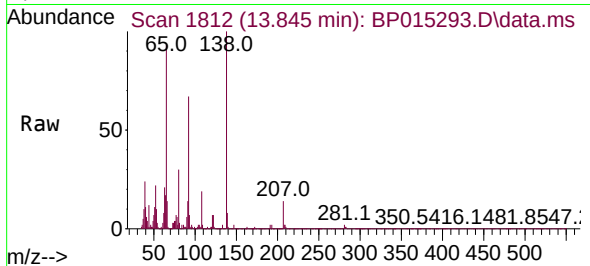
#48
2-Nitroaniline
Concen: 2.926 ng
RT: 13.845 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 65 Resp: 25040
Ion Ratio Lower Upper
65 100
92 72.5 56.5 84.7
138 108.1 85.7 128.5

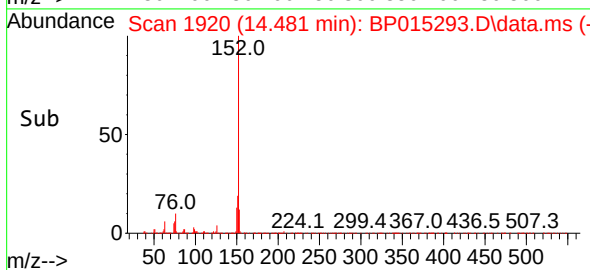
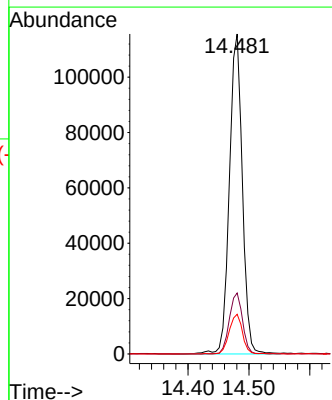
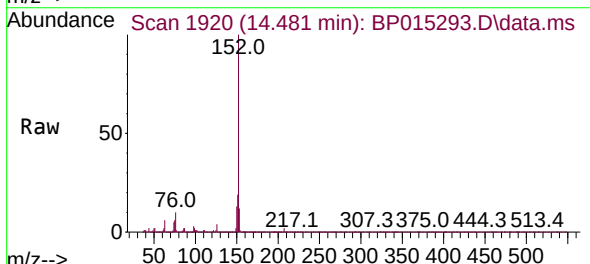
Manual Integrations
APPROVED

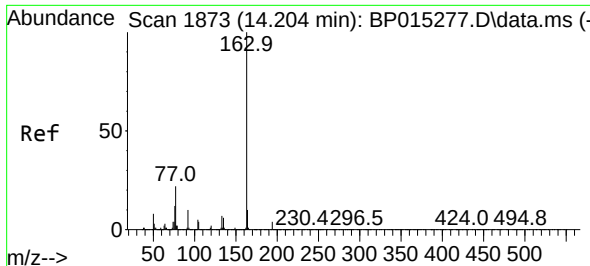
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#49
Acenaphthylene
Concen: 3.793 ng
RT: 14.481 min Scan# 1920
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:152 Resp: 170102
Ion Ratio Lower Upper
152 100
151 19.0 16.0 24.0
153 12.4 10.6 16.0





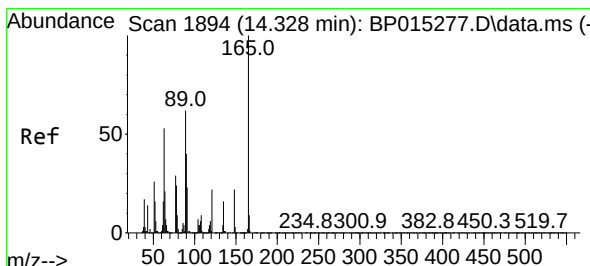
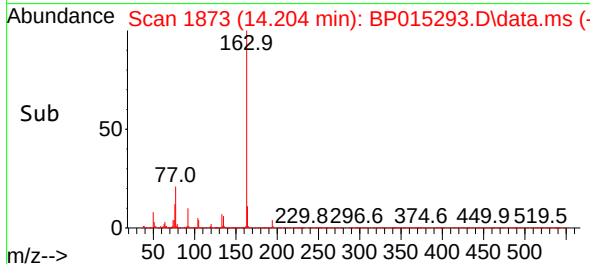
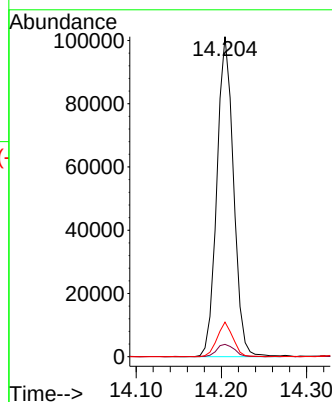
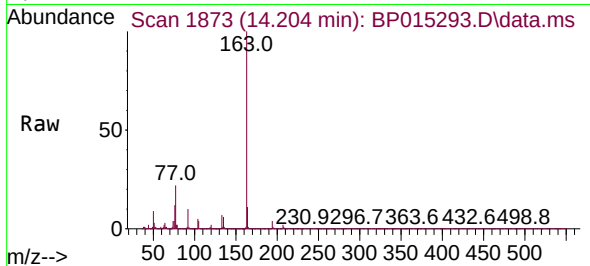
#50
Dimethylphthalate
Concen: 3.748 ng
RT: 14.204 min Scan# 1873
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:163 Resp: 13748
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.8 8.2 12.4

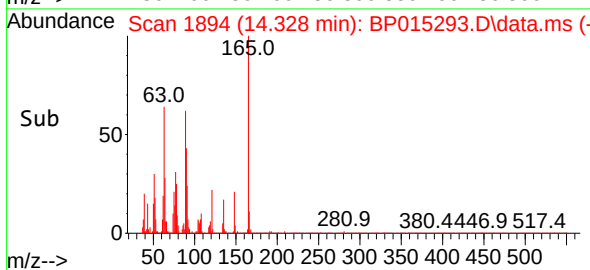
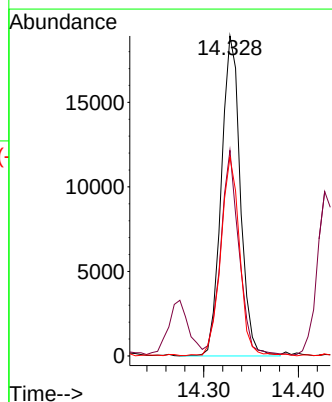
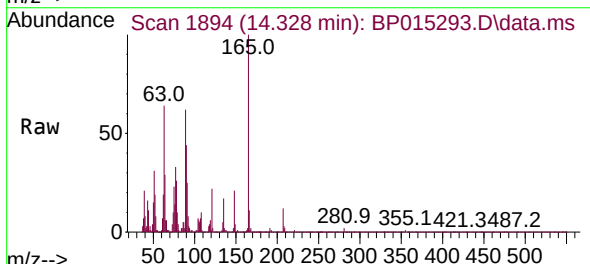
Manual Integrations
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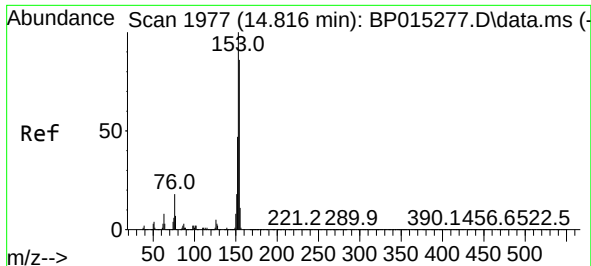
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#51
2,6-Dinitrotoluene
Concen: 3.410 ng
RT: 14.328 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

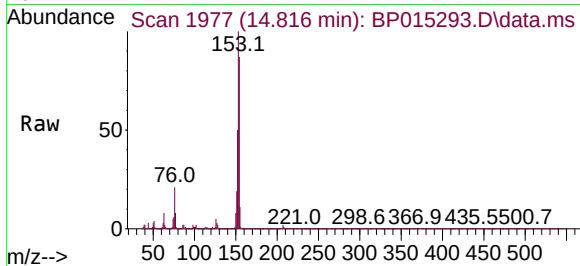
Tgt Ion:165 Resp: 26407
Ion Ratio Lower Upper
165 100
63 64.3 46.6 70.0
89 62.2 49.7 74.5





#52
Acenaphthene
Concen: 3.897 ng
RT: 14.816 min Scan# 1977
Delta R.T. -0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

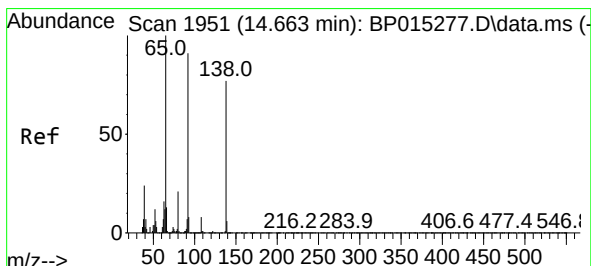
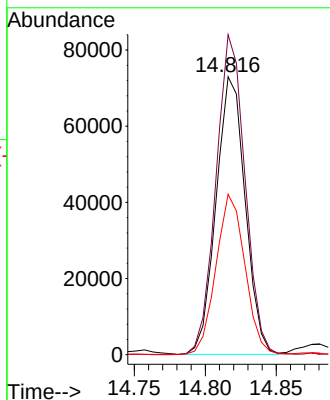
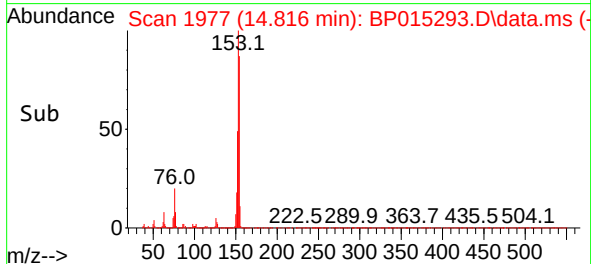
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



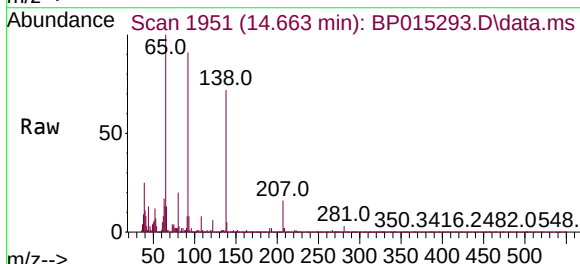
Tgt Ion:154 Resp: 104070
Ion Ratio Lower Upper
154 100
153 115.2 92.8 139.2
152 57.7 44.0 66.0

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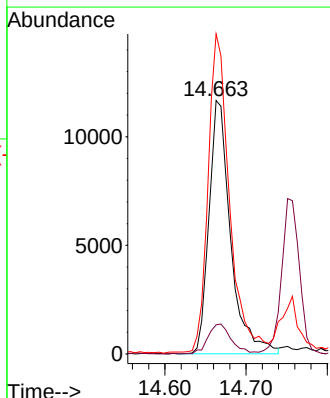
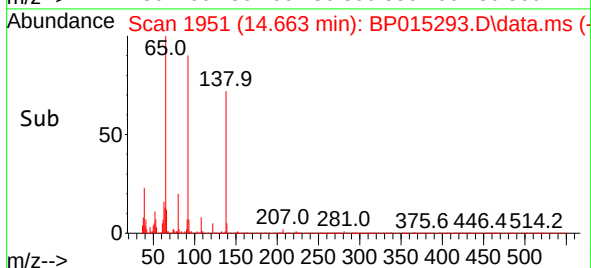
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

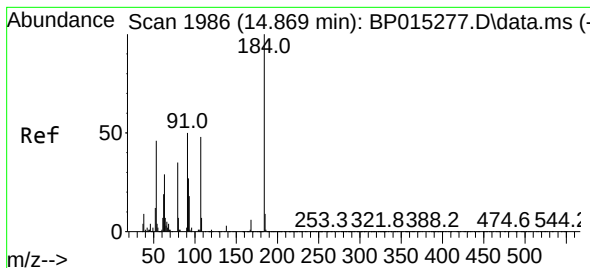


#53
3-Nitroaniline
Concen: 2.729 ng
RT: 14.663 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



Tgt Ion:138 Resp: 21601
Ion Ratio Lower Upper
138 100
108 11.5 8.6 13.0
92 126.3 94.0 141.0





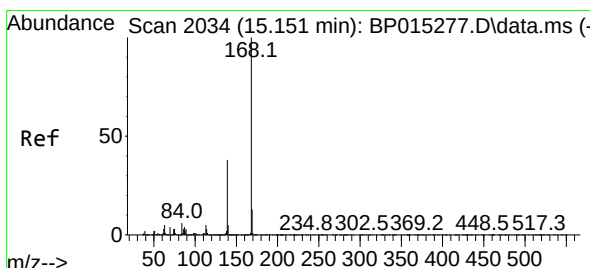
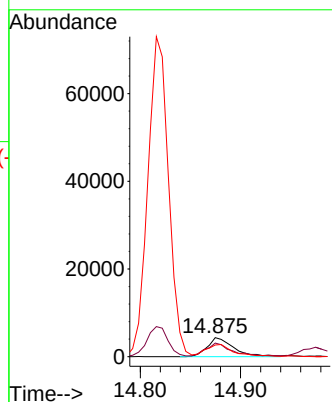
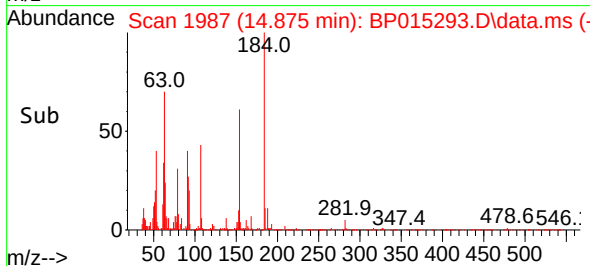
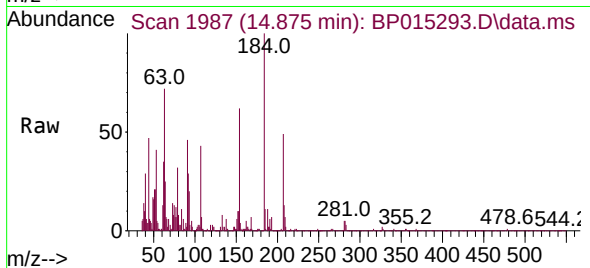
#54
2,4-Dinitrophenol
Concen: 6.611 ng
RT: 14.875 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:184 Resp: 793
Ion Ratio Lower Upper
184 100
63 71.6 56.2 84.4
154 61.6 53.2 79.8

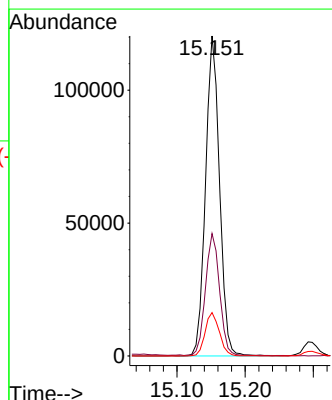
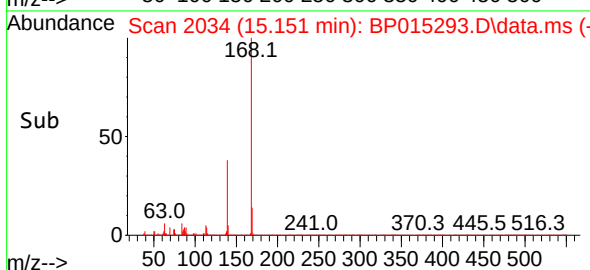
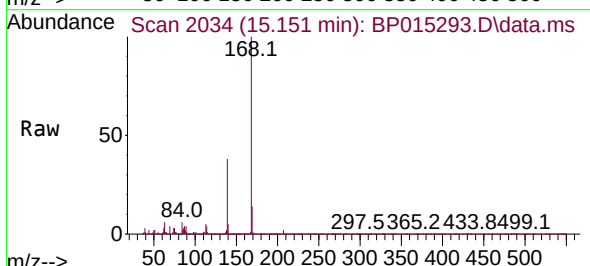
Manual Integrations
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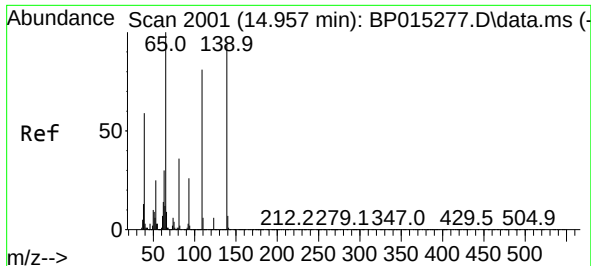
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#55
Dibenzofuran
Concen: 3.939 ng
RT: 15.151 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:168 Resp: 172069
Ion Ratio Lower Upper
168 100
139 38.2 30.1 45.1
169 13.6 10.6 15.8





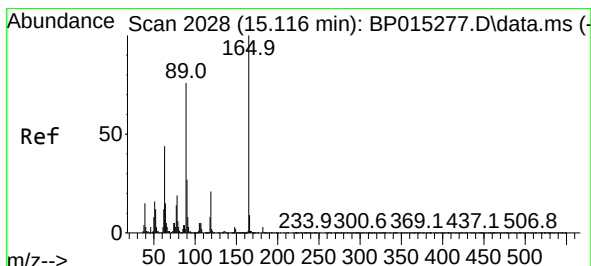
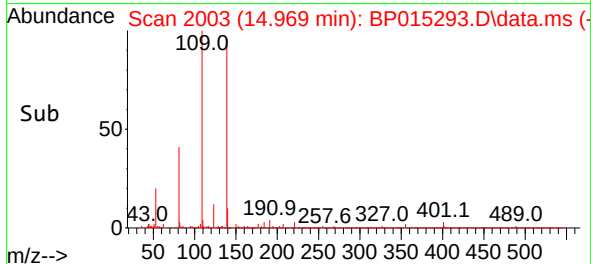
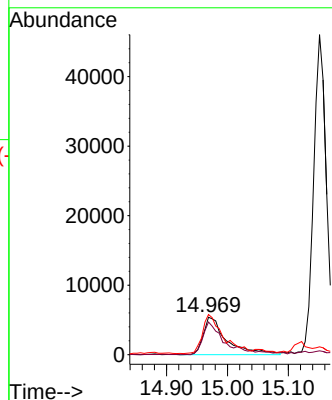
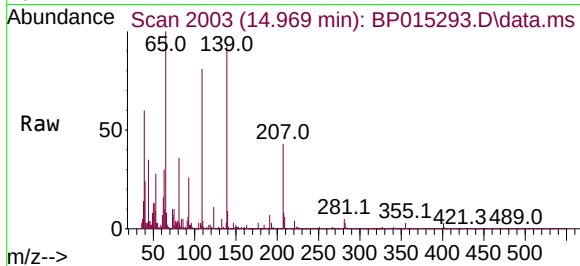
#56
4-Nitrophenol
Concen: 5.426 ng
RT: 14.969 min Scan# 2001
Delta R.T. 0.012 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:139 Resp: 14509
Ion Ratio Lower Upper
139 100
109 87.5 66.5 106.5
65 107.5 86.6 126.6

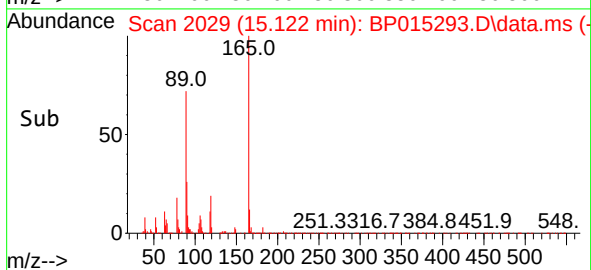
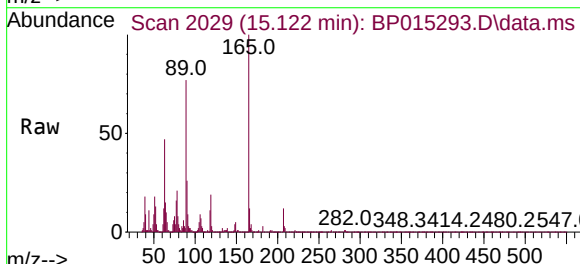
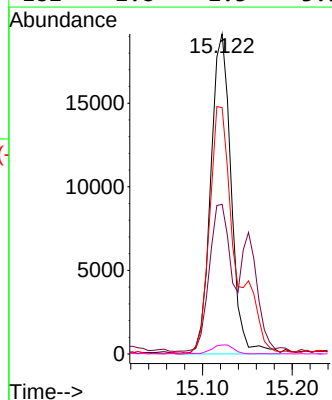
Manual Integrations
APPROVED

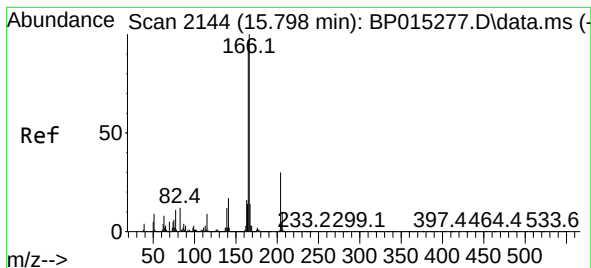
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#57
2,4-Dinitrotoluene
Concen: 2.965 ng
RT: 15.122 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:165 Resp: 30191
Ion Ratio Lower Upper
165 100
63 46.8 35.7 53.5
89 77.0 60.8 91.2
182 2.8 2.3 3.5





#58

Fluorene

Concen: 4.008 ng

RT: 15.804 min Scan# 2144

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

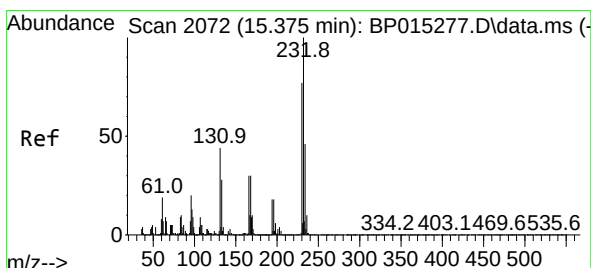
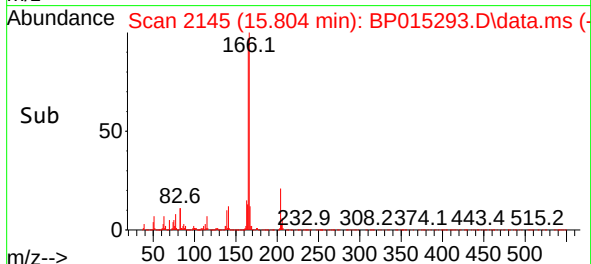
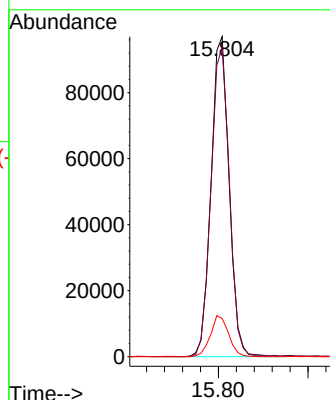
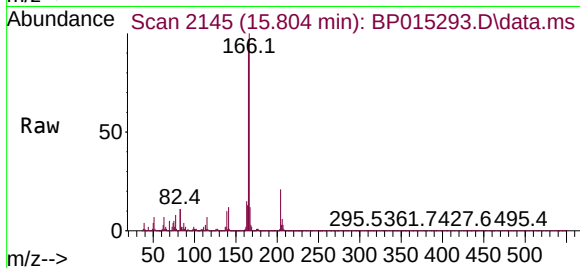
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	166	Resp:	135258
Ion Ratio	Lower	Upper	
166	100		
165	96.7	77.5	116.3
167	12.0	10.9	16.3

Manual Integrations

APPROVED

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



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.461 ng

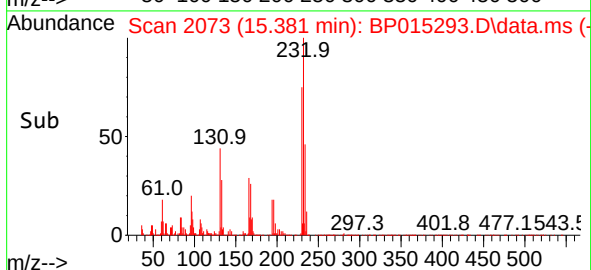
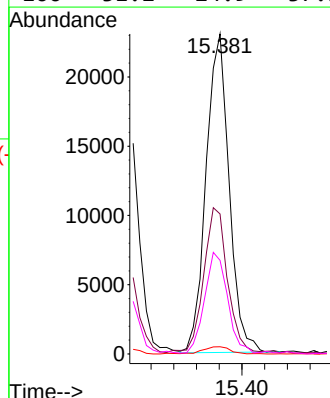
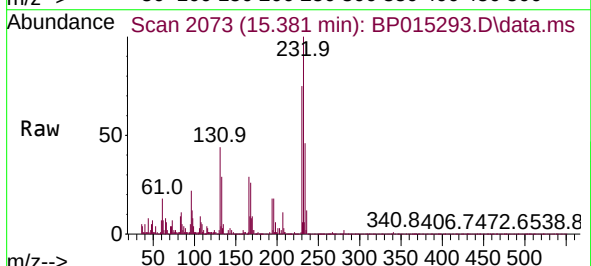
RT: 15.381 min Scan# 2073

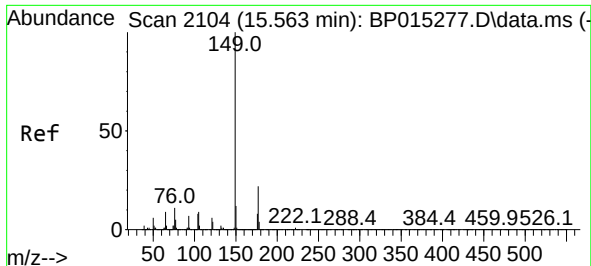
Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

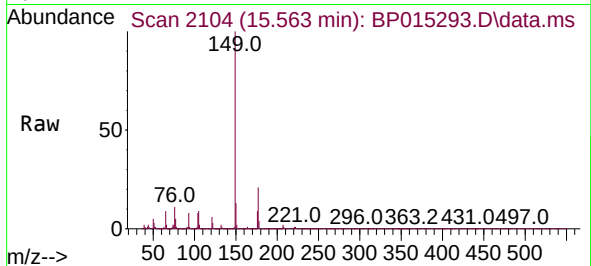
Tgt Ion:	232	Resp:	32499
Ion Ratio	Lower	Upper	
232	100		
131	47.5	36.2	54.2
130	2.8	2.0	3.0
166	31.2	24.9	37.3





#60
Diethylphthalate
Concen: 3.629 ng
RT: 15.563 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

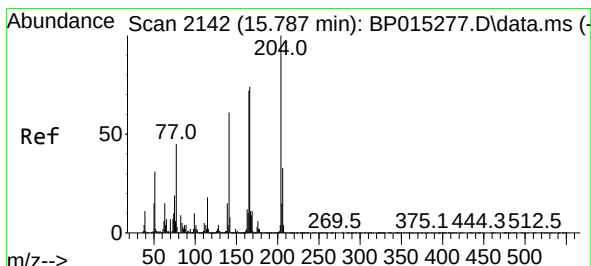
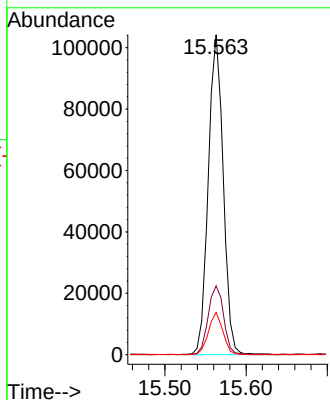
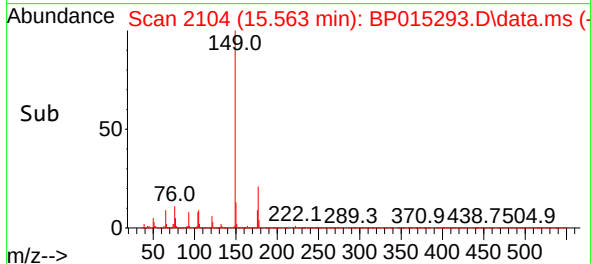
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



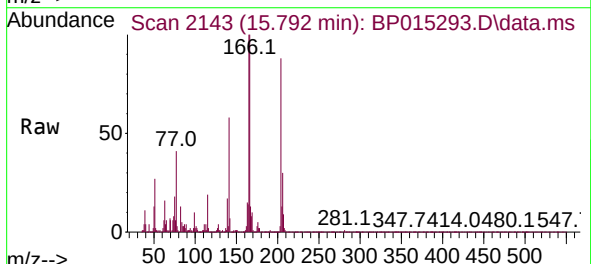
Tgt Ion:149 Resp: 13261
Ion Ratio Lower Upper
149 100
177 21.5 17.7 26.5
150 13.2 10.0 15.0

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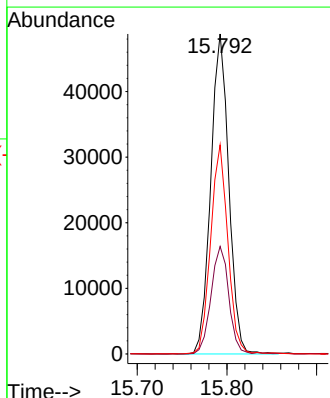
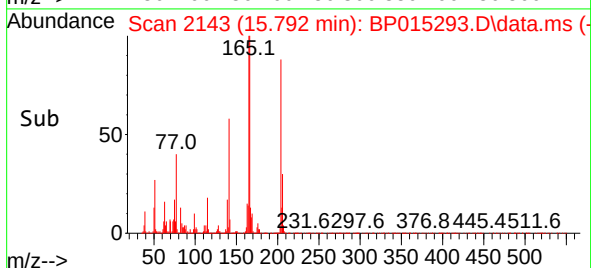
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

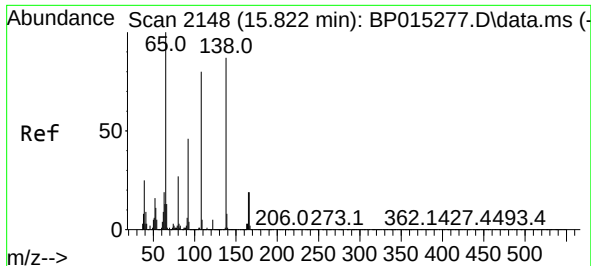


#61
4-Chlorophenyl-phenylether
Concen: 3.935 ng
RT: 15.792 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



Tgt Ion:204 Resp: 67980
Ion Ratio Lower Upper
204 100
206 33.6 26.4 39.6
141 65.3 49.0 73.4





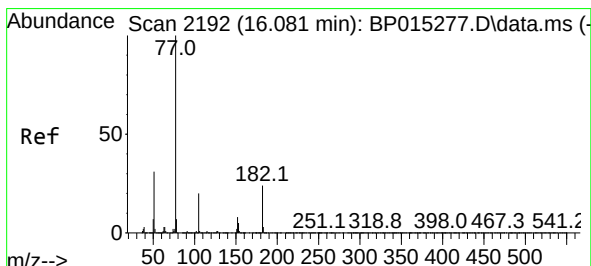
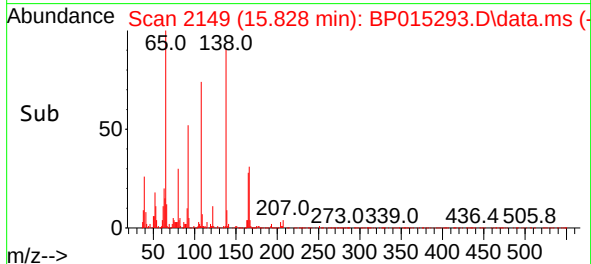
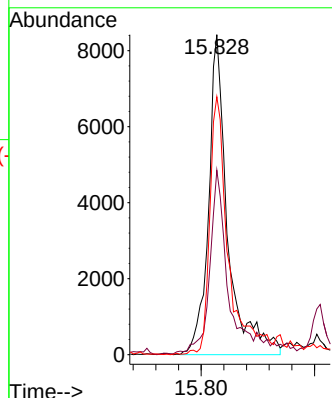
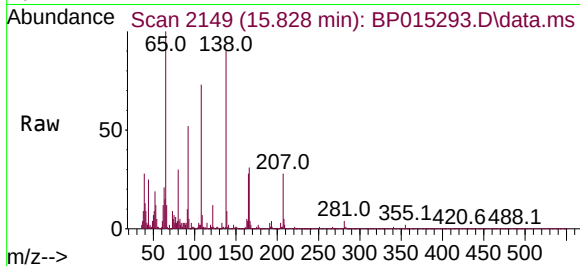
#62
4-Nitroaniline
Concen: 4.532 ng m
RT: 15.828 min Scan# 2148
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:138 Resp: 19904
Ion Ratio Lower Upper
138 100
92 57.6 33.1 73.1
108 80.6 71.0 111.0

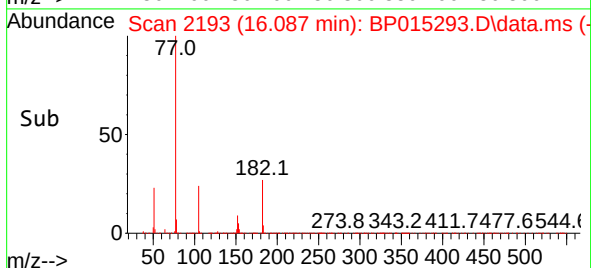
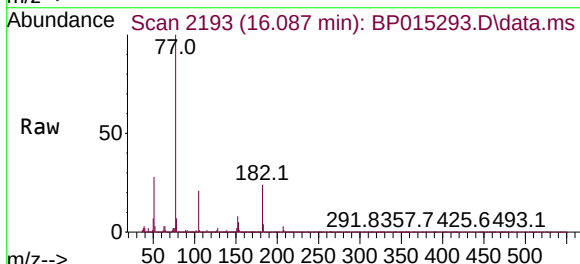
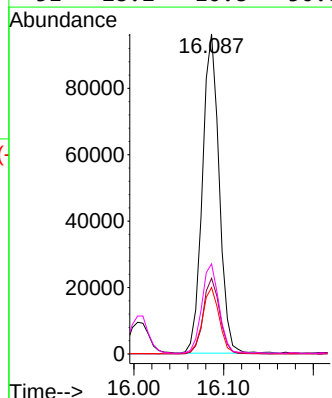
Manual Integrations
APPROVED

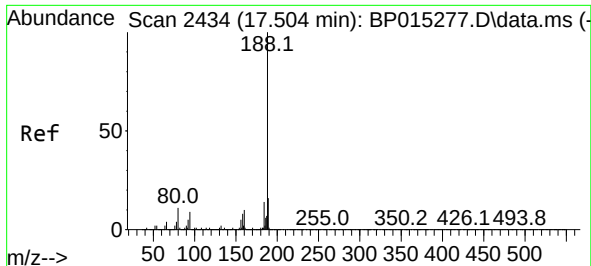
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#63
Azobenzene
Concen: 3.573 ng
RT: 16.087 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion: 77 Resp: 124558
Ion Ratio Lower Upper
77 100
182 23.7 3.9 43.9
105 20.8 0.3 40.3
51 28.2 10.8 50.8





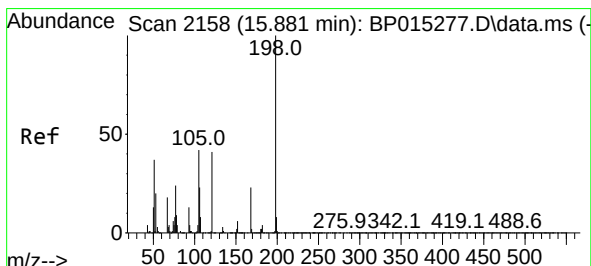
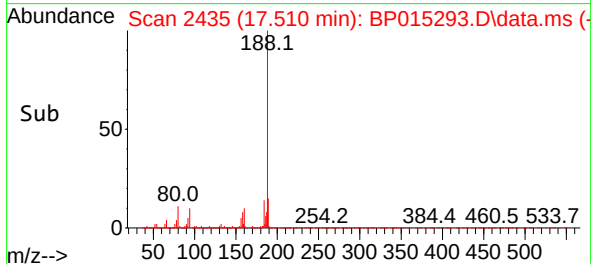
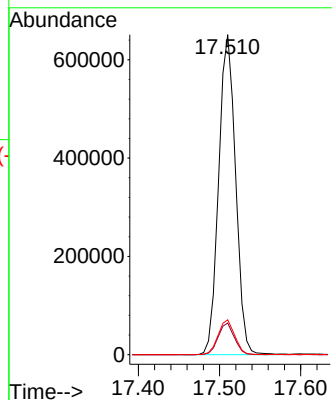
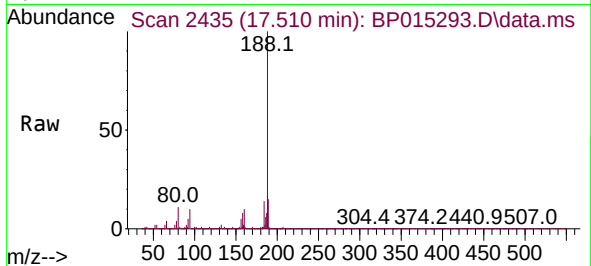
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.510 min Scan# 2435
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:188 Resp: 946084
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.0
80 10.9 8.6 13.0

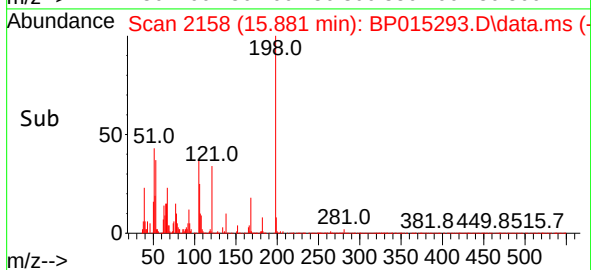
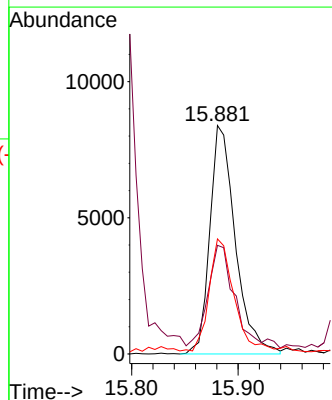
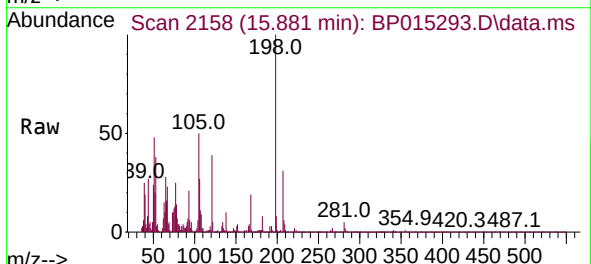
Manual Integrations
APPROVED

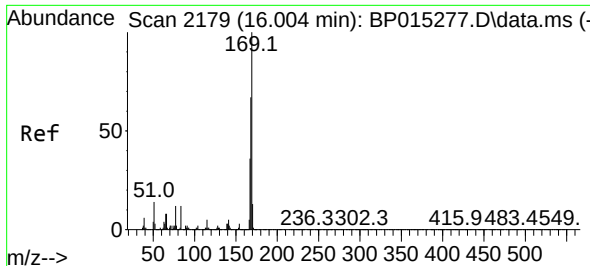
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#65
4,6-Dinitro-2-methylphenol
Concen: 2.426 ng
RT: 15.881 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

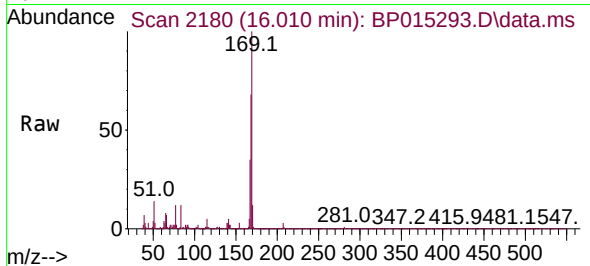
Tgt Ion:198 Resp: 13941
Ion Ratio Lower Upper
198 100
51 47.6 25.4 65.4
105 50.4 23.3 63.3





#66
n-Nitrosodiphenylamine
Concen: 3.931 ng
RT: 16.010 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

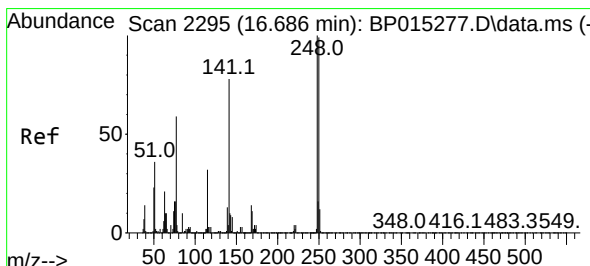
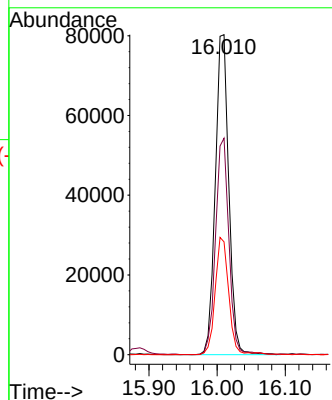
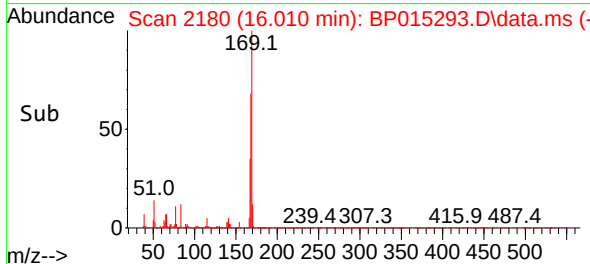
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



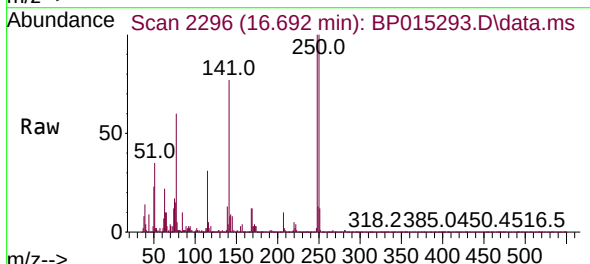
Tgt Ion:169 Resp: 110809
Ion Ratio Lower Upper
169 100
168 67.7 53.4 80.2
167 35.2 29.0 43.6

Manual Integrations
APPROVED

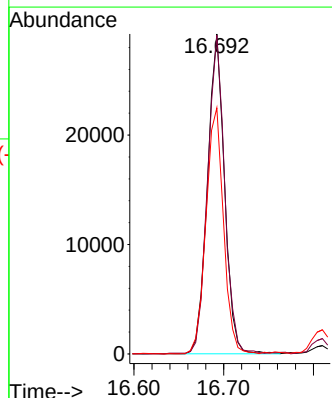
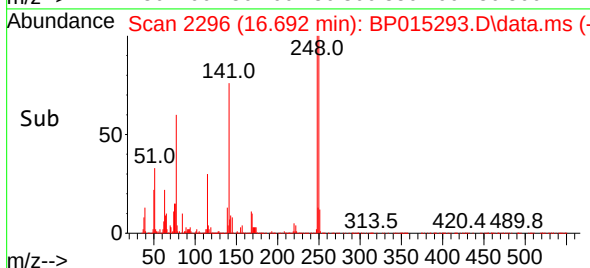
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

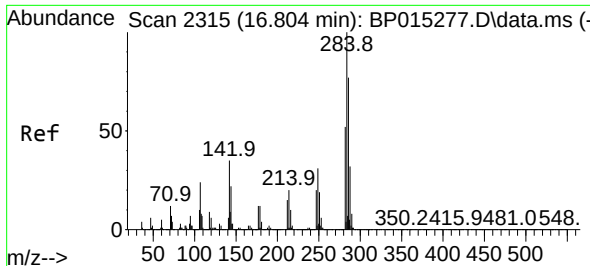


#67
4-Bromophenyl-phenylether
Concen: 3.770 ng
RT: 16.692 min Scan# 2296
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57



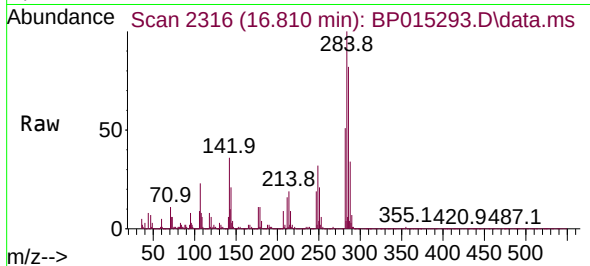
Tgt Ion:248 Resp: 38568
Ion Ratio Lower Upper
248 100
250 99.6 79.0 118.4
141 76.9 62.4 93.6





#68
Hexachlorobenzene
Concen: 4.168 ng
RT: 16.810 min Scan# 2316
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

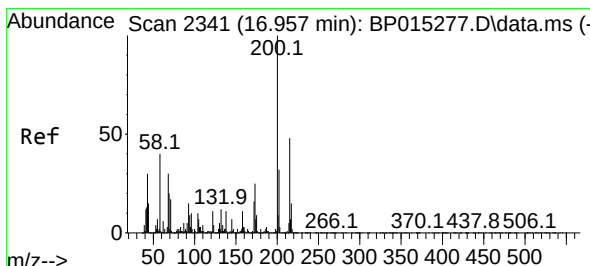
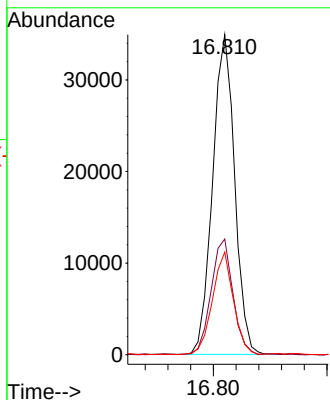
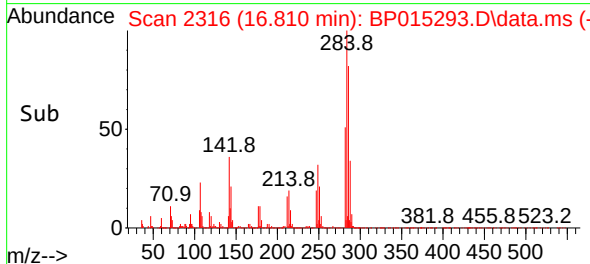
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:284 Resp: 46958
Ion Ratio Lower Upper
284 100
142 36.1 28.2 42.2
249 32.0 25.0 37.6

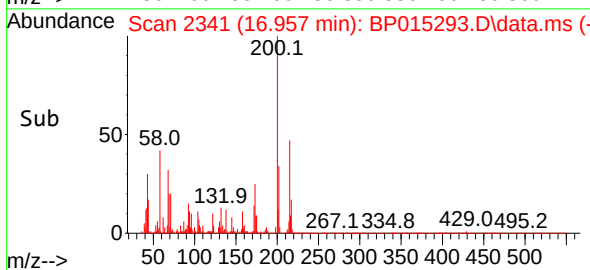
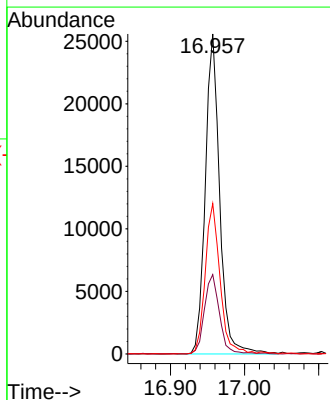
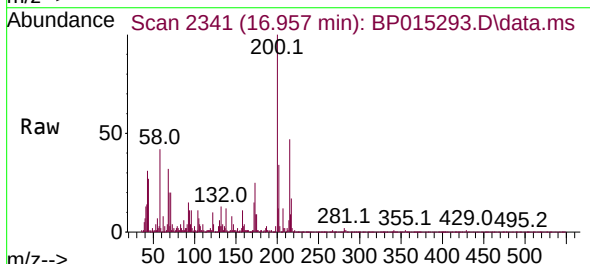
Manual Integrations
APPROVED

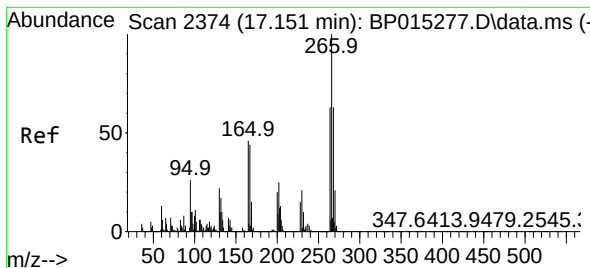
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#69
Atrazine
Concen: 3.825 ng
RT: 16.957 min Scan# 2341
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Tgt Ion:200 Resp: 34434
Ion Ratio Lower Upper
200 100
173 24.8 4.7 44.7
215 47.0 27.5 67.5





#70

Pentachlorophenol

Concen: 2.508 ng

RT: 17.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

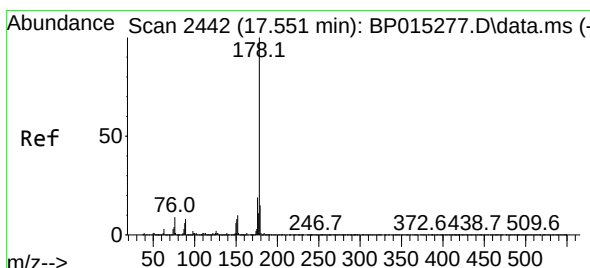
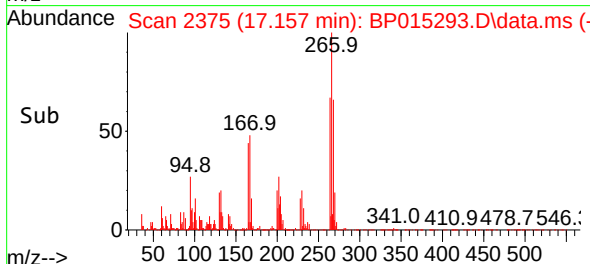
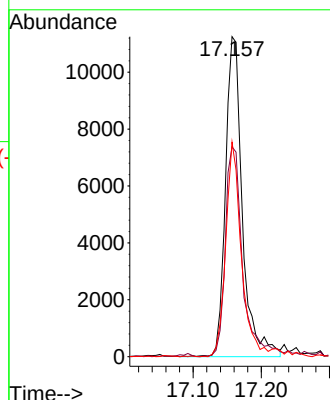
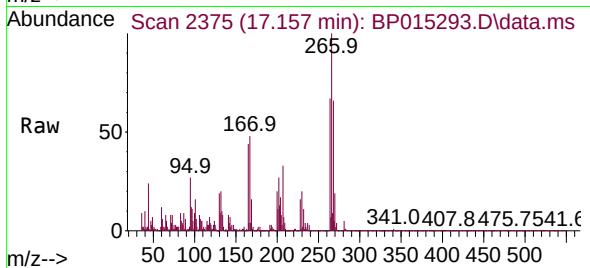
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	266	Resp:	1936
Ion Ratio	Lower	Upper	
266	100		
268	65.6	50.0	75.0
264	67.0	50.4	75.6

Manual Integrations

APPROVED

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



#71

Phenanthrene

Concen: 4.053 ng

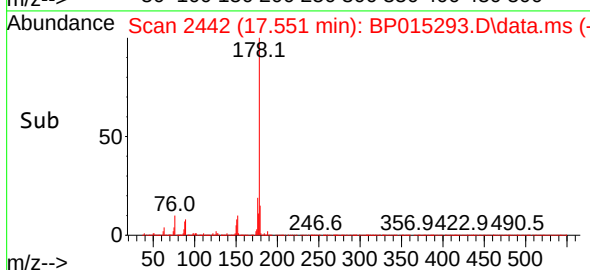
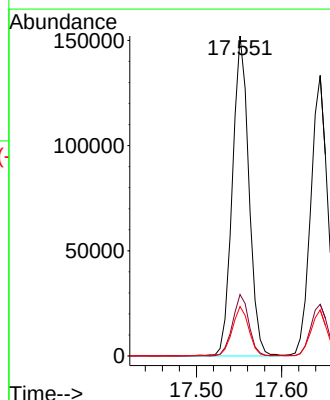
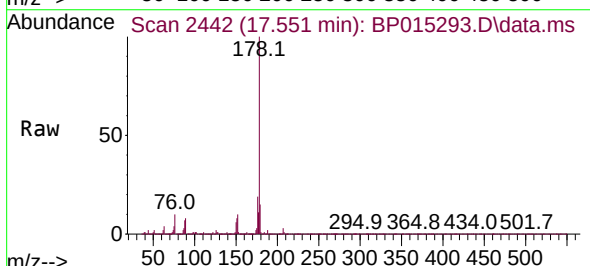
RT: 17.551 min Scan# 2442

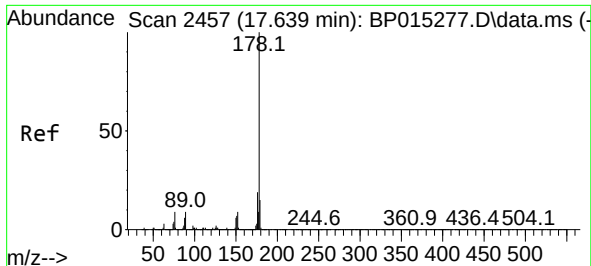
Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

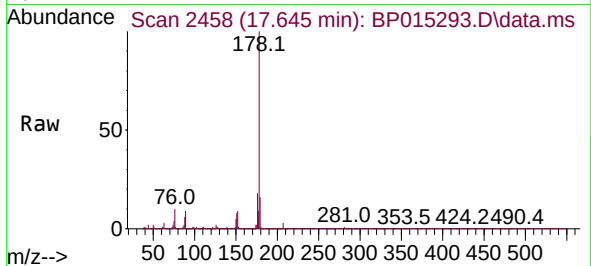
Tgt Ion:	178	Resp:	204383
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	15.4	12.3	18.5





#72
 Anthracene
 Concen: 3.781 ng
 RT: 17.645 min Scan# 2457
 Delta R.T. 0.006 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

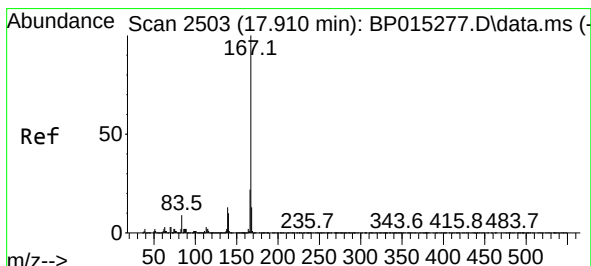
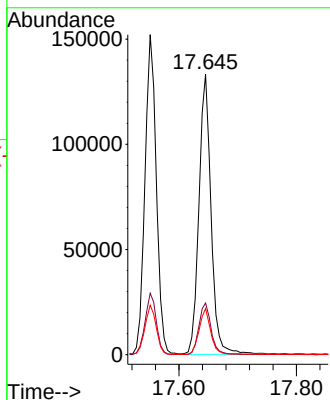
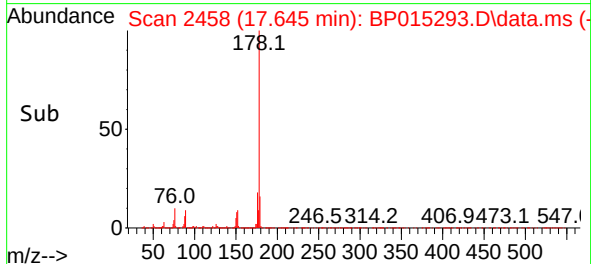
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023



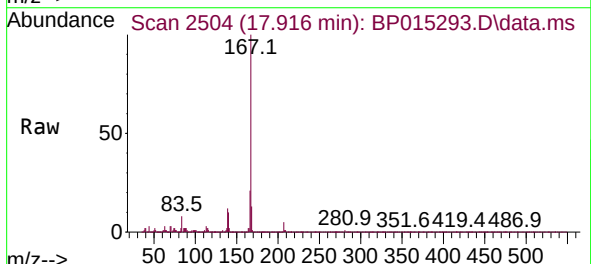
Tgt Ion:178 Resp: 190938
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.1 22.7
 179 16.4 12.2 18.4

Manual Integrations
 APPROVED

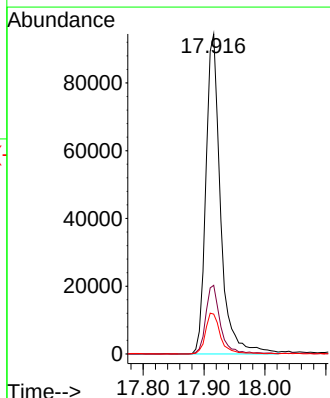
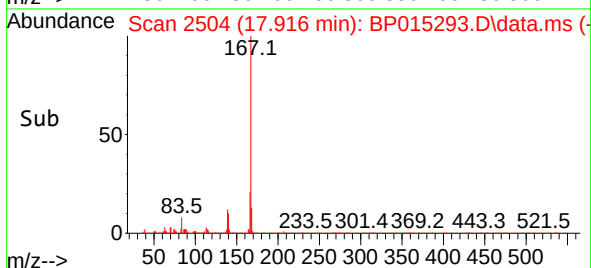
Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023

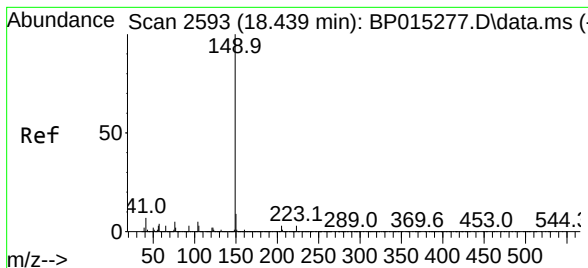


#73
 Carbazole
 Concen: 3.529 ng
 RT: 17.916 min Scan# 2504
 Delta R.T. 0.006 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57



Tgt Ion:167 Resp: 157803
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 12.5 10.2 15.2





#74

Di-n-butylphthalate

Concen: 3.154 ng

RT: 18.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

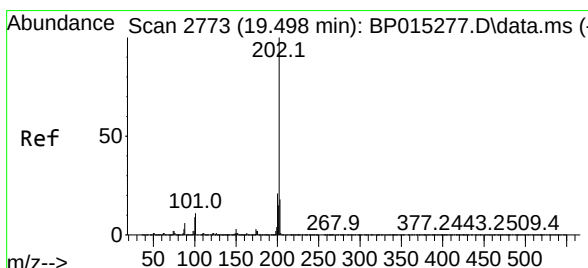
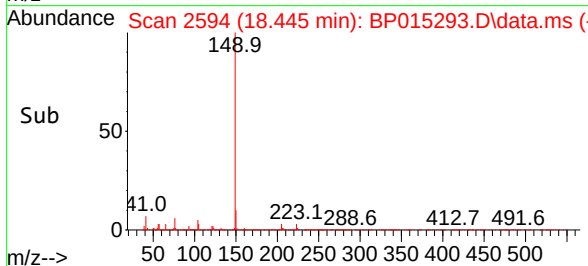
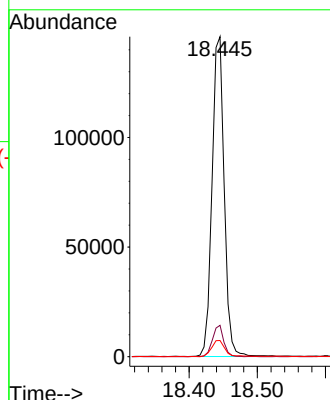
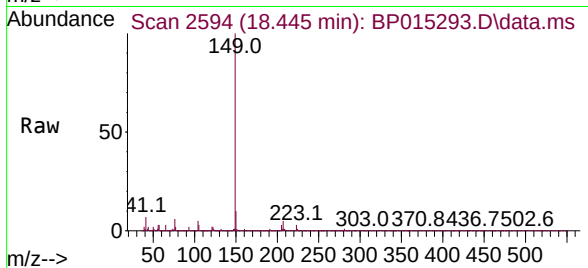
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	149	Resp:	18113
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.3	10.9
104	5.0	4.4	6.6

Manual Integrations

APPROVED

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



#75

Fluoranthene

Concen: 3.397 ng

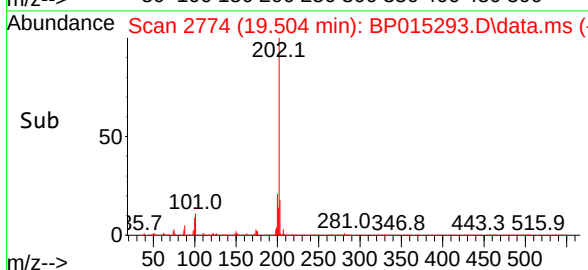
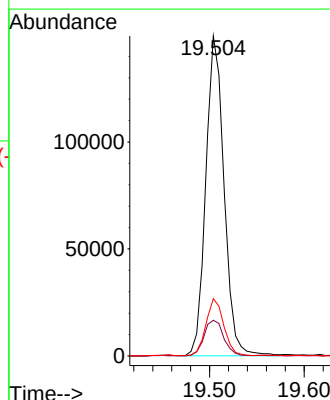
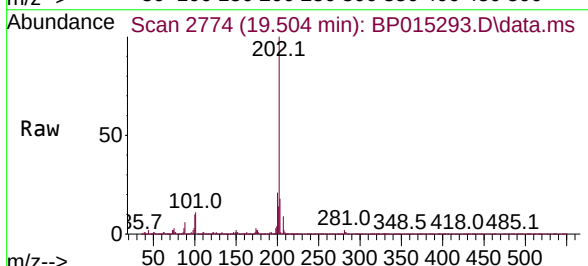
RT: 19.504 min Scan# 2774

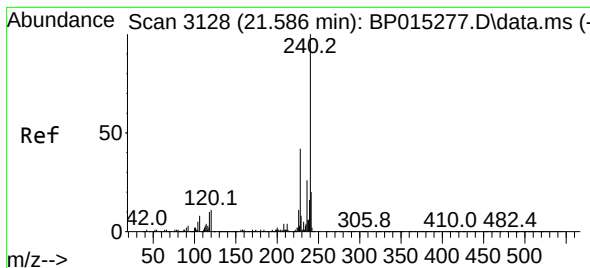
Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:	202	Resp:	200100
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.4
203	17.9	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

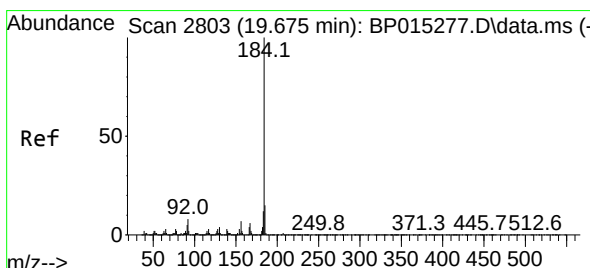
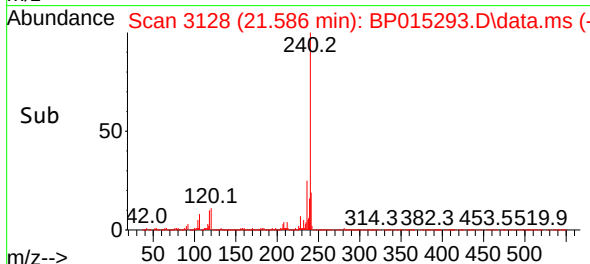
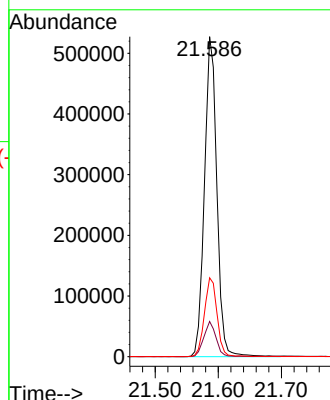
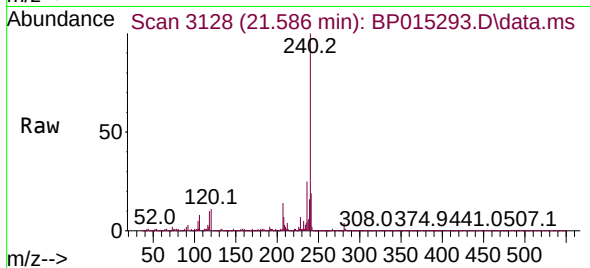
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	240	Resp:	71938
Ion Ratio	Lower	Upper	
240	100		
120	11.0	8.8	13.2
236	24.7	20.5	30.7

Manual Integrations

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



#77

Benzidine

Concen: 4.920 ng

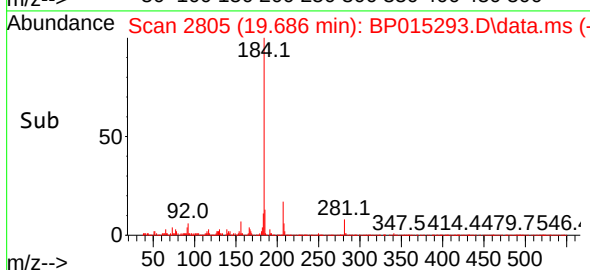
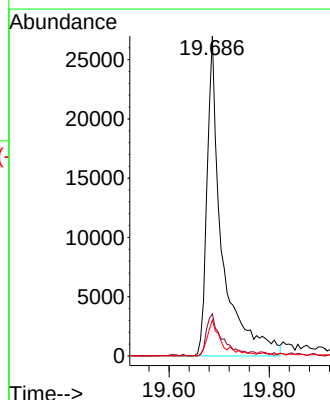
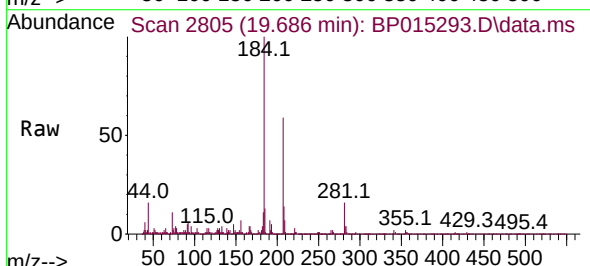
RT: 19.686 min Scan# 2805

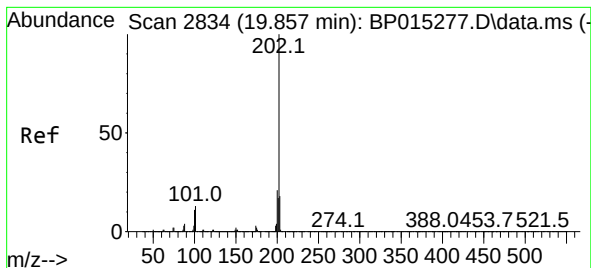
Delta R.T. 0.012 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:	184	Resp:	56050
Ion Ratio	Lower	Upper	
184	100		
185	13.1	11.6	17.4
183	11.3	9.4	14.0





#78

Pyrene

Concen: 4.114 ng

RT: 19.857 min Scan# 2834

Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

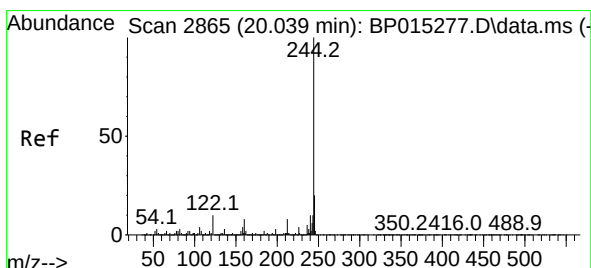
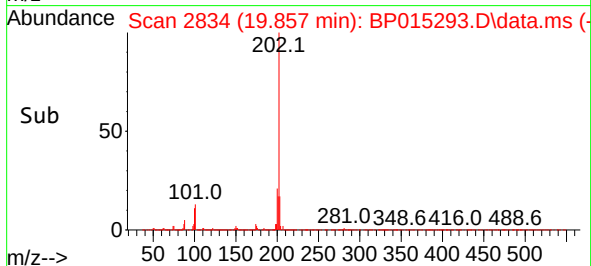
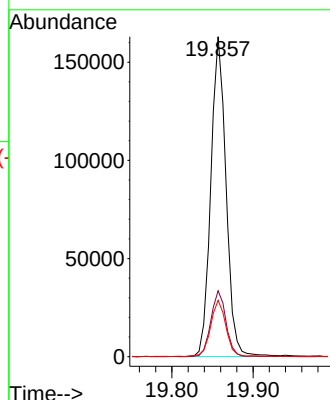
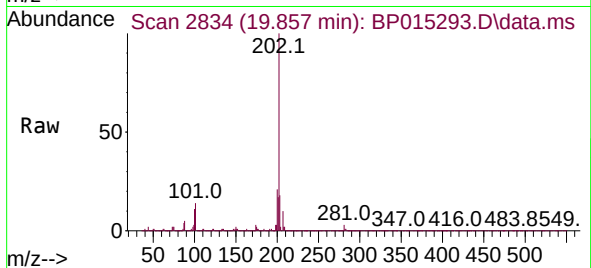
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	202	Resp:	21176
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.1	25.7
203	17.6	14.2	21.2

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 81.856 ng

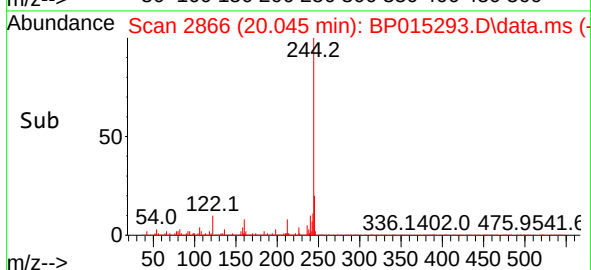
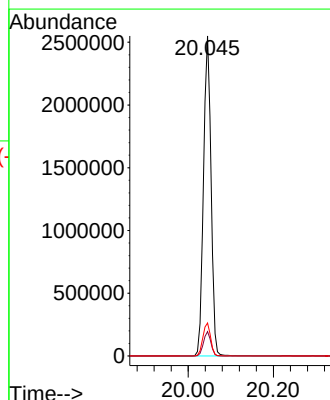
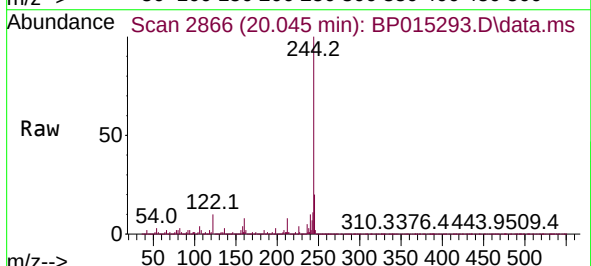
RT: 20.045 min Scan# 2866

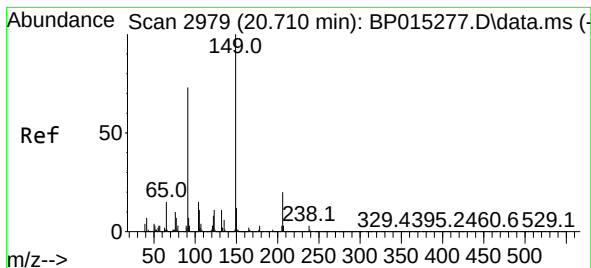
Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:	244	Resp:	3130625
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	10.3	8.2	12.4





#80

Butylbenzylphthalate

Concen: 2.890 ng

RT: 20.716 min Scan# 2979

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

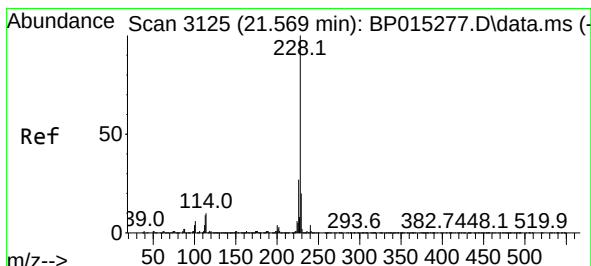
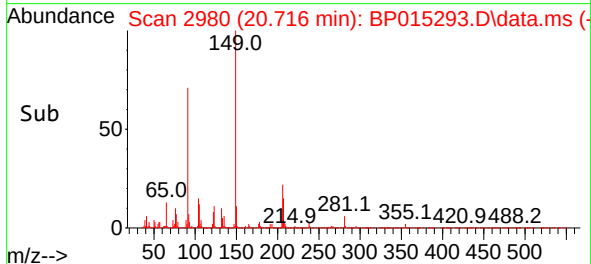
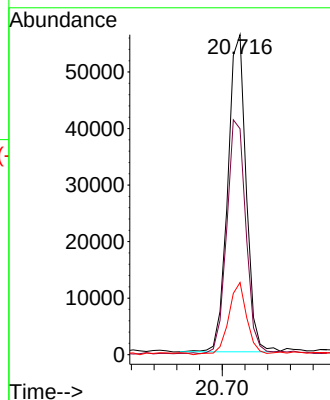
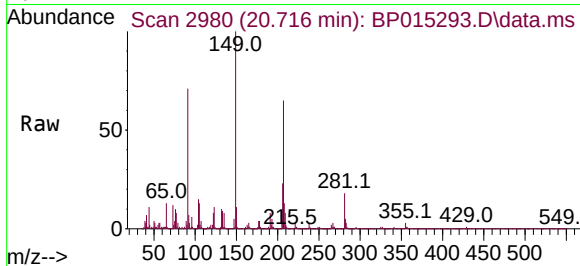
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	149	Resp:	6304
Ion Ratio	Lower	Upper	
149	100		
91	70.6	58.2	87.2
206	22.6	16.2	24.4

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

Concen: 3.754 ng

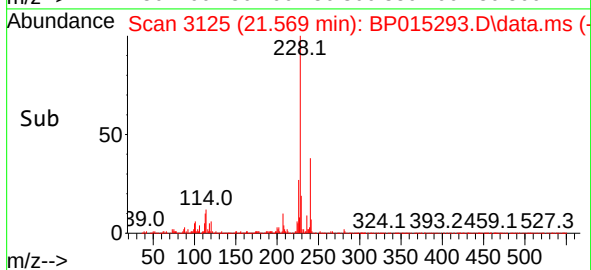
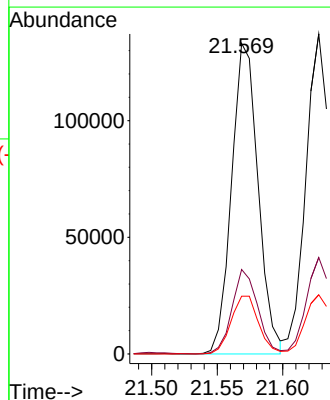
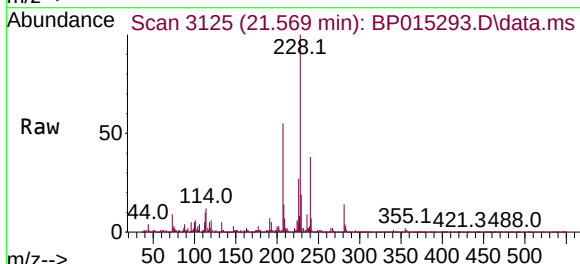
RT: 21.569 min Scan# 3125

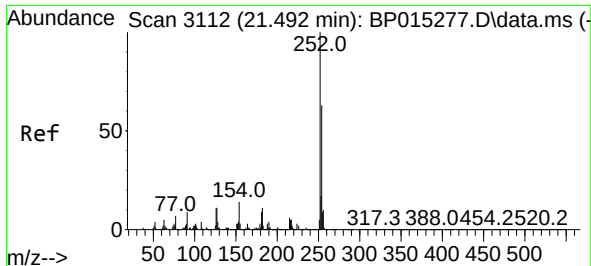
Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Tgt Ion:	228	Resp:	187615
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.7	32.5
229	18.6	15.8	23.8





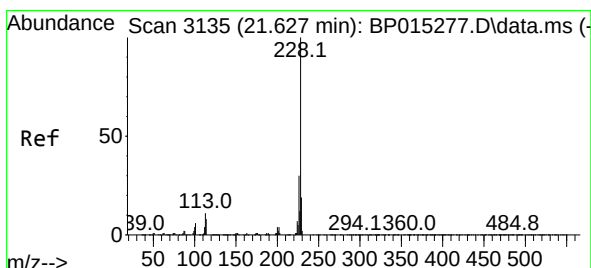
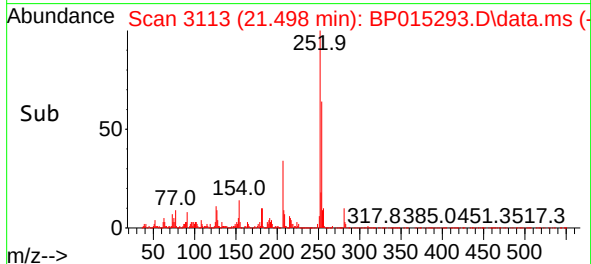
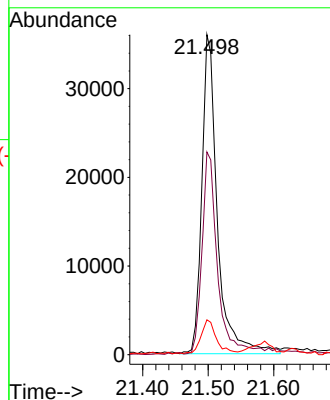
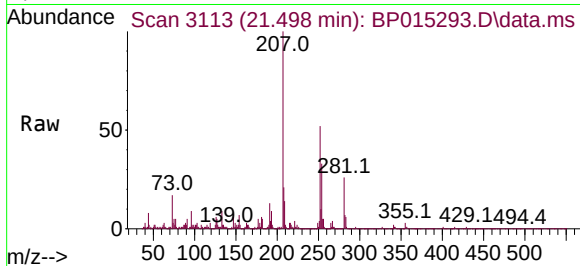
#82
3,3'-Dichlorobenzidine
Concen: 3.856 ng
RT: 21.498 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:252 Resp: 59520
Ion Ratio Lower Upper
252 100
254 63.3 50.7 76.1
126 10.9 8.7 13.1

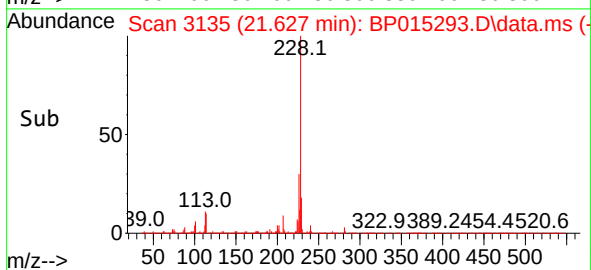
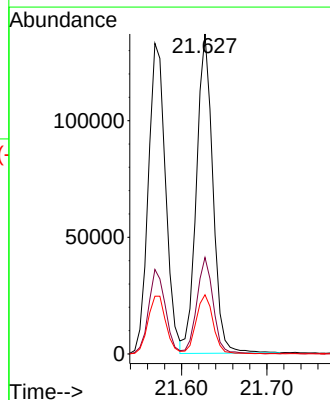
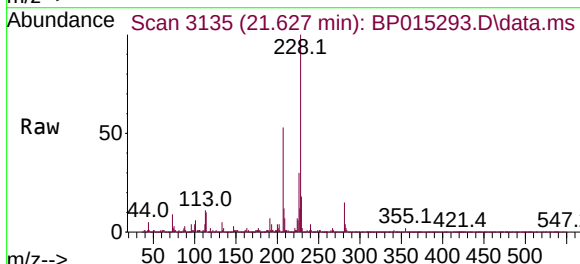
Manual Integrations
APPROVED

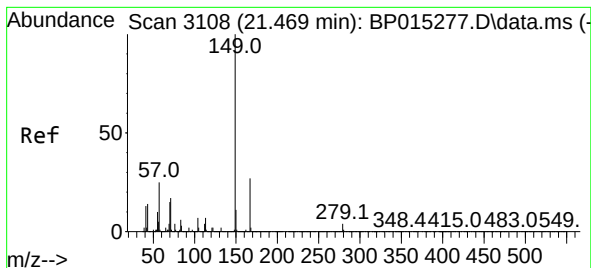
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#83
Chrysene
Concen: 3.818 ng
RT: 21.627 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

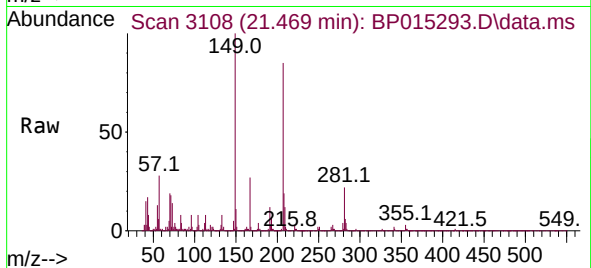
Tgt Ion:228 Resp: 182994
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 18.5 15.5 23.3





#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.717 ng
 RT: 21.469 min Scan# 3108
 Delta R.T. 0.000 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

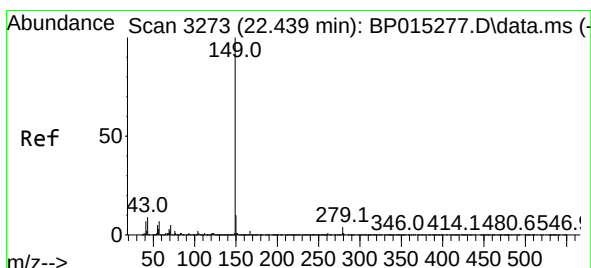
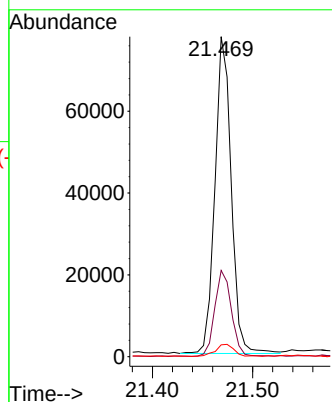
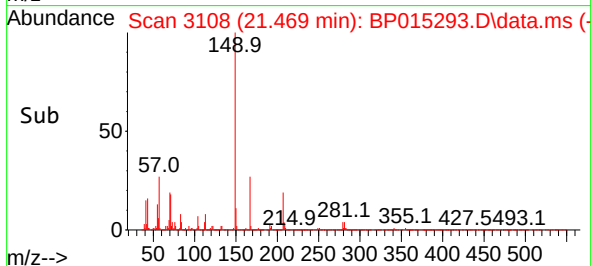
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023



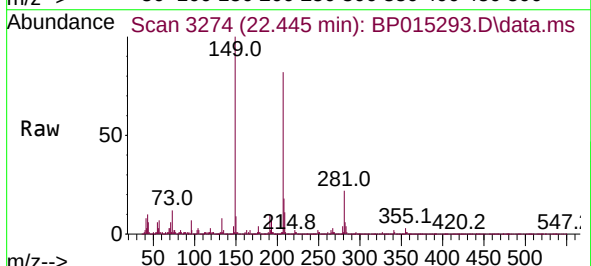
Tgt Ion:149 Resp: 87289
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.6 32.4
 279 3.7 3.5 5.3

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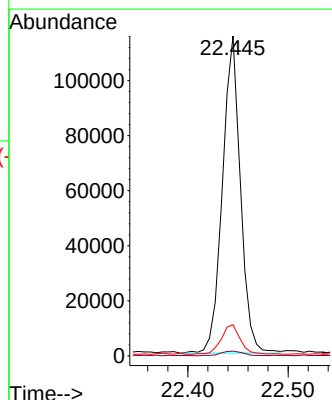
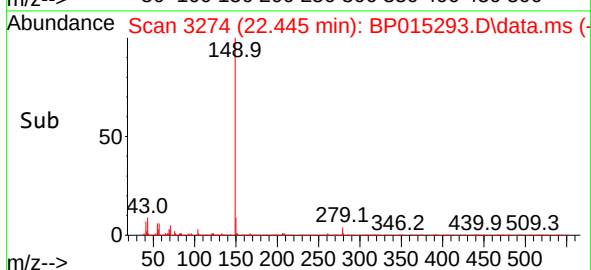
Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023

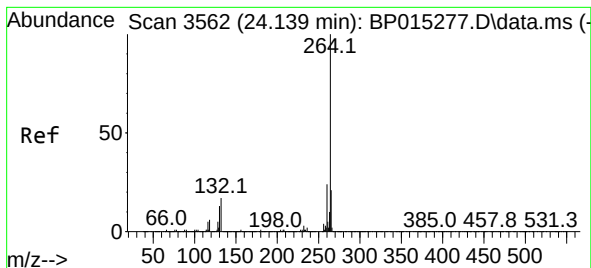


#85
 Di-n-octyl phthalate
 Concen: 2.638 ng
 RT: 22.445 min Scan# 3274
 Delta R.T. 0.006 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57



Tgt Ion:149 Resp: 143370
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.3 1.9
 43 10.0 7.3 10.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.145 min Scan# 3562

Delta R.T. 0.006 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

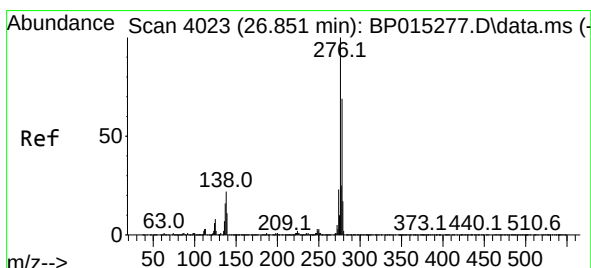
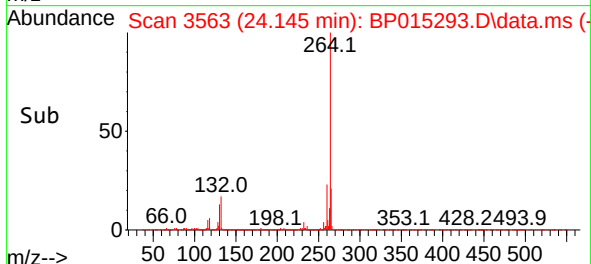
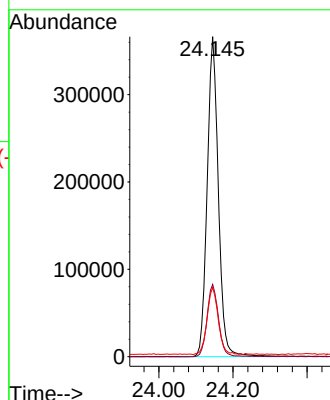
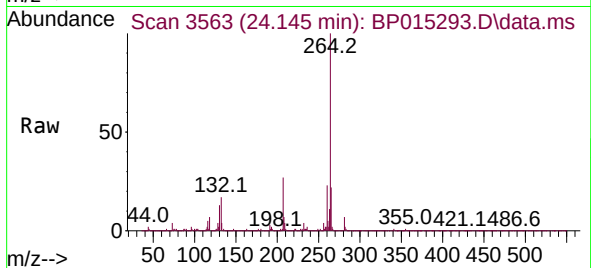
Tgt Ion:	264	Resp:	76664
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.0	28.6
265	21.6	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.555 ng

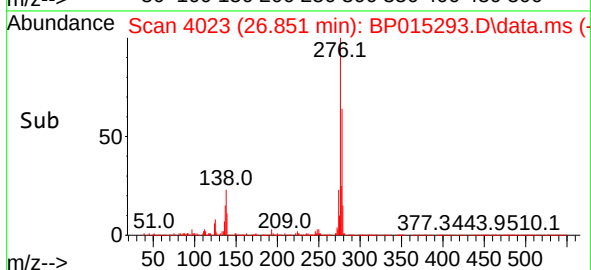
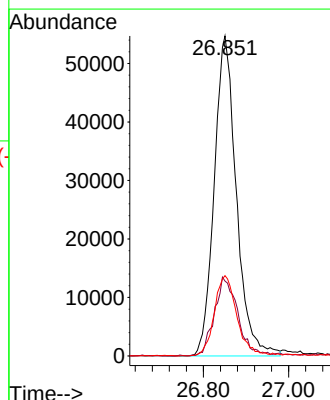
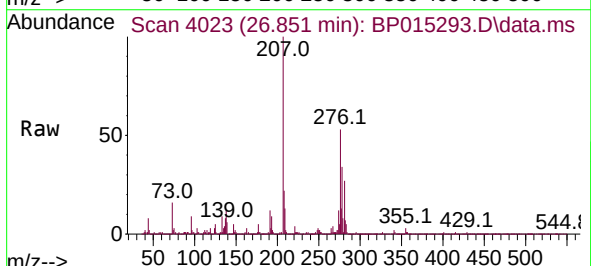
RT: 26.851 min Scan# 4023

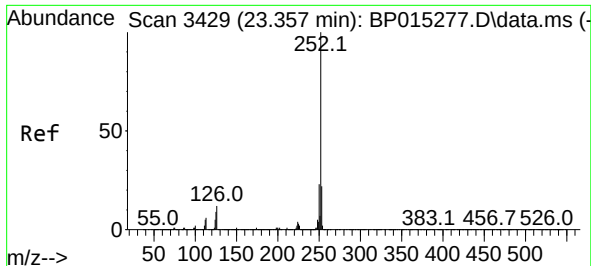
Delta R.T. 0.000 min

Lab File: BP015293.D

Acq: 25 May 2023 15:57

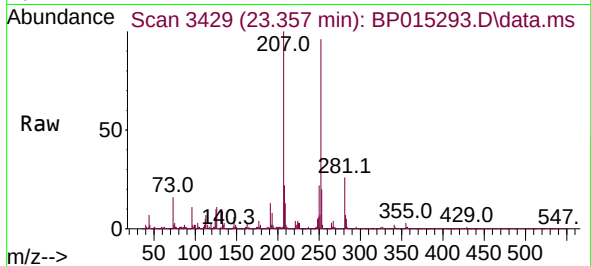
Tgt Ion:	276	Resp:	197516
Ion Ratio	Lower	Upper	
276	100		
138	25.8	19.0	28.6
277	25.5	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 3.757 ng
RT: 23.357 min Scan# 3429
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

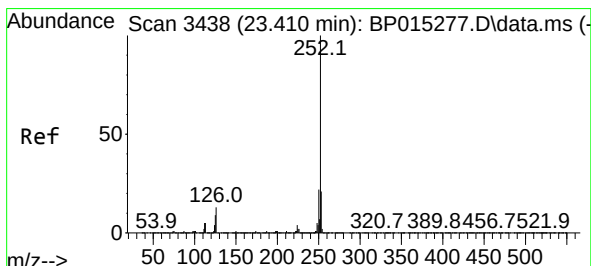
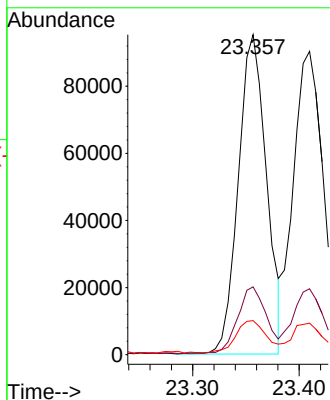
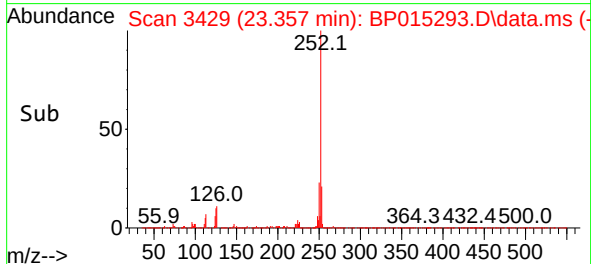
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:252 Resp: 175110
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 10.7 7.2 10.8

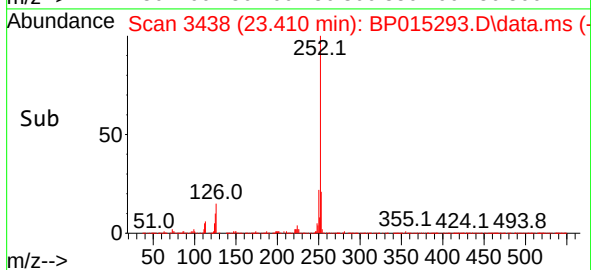
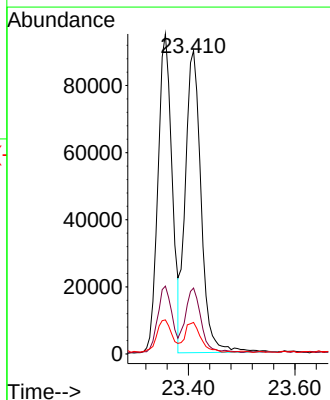
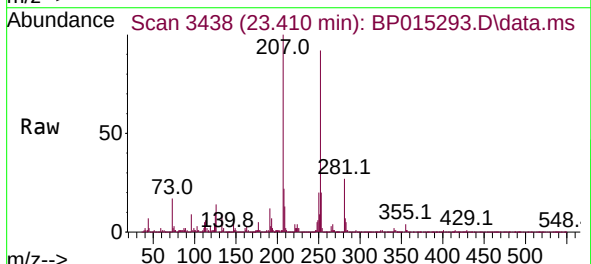
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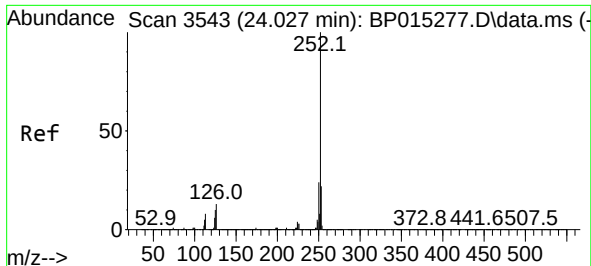
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#89
Benzo(k)fluoranthene
Concen: 3.937 ng
RT: 23.410 min Scan# 3438
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

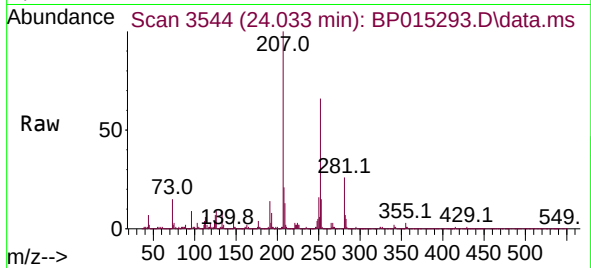
Tgt Ion:252 Resp: 184805
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 10.4 7.4 11.0





#90
Benzo(a)pyrene
Concen: 3.312 ng
RT: 24.033 min Scan# 3543
Delta R.T. 0.006 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

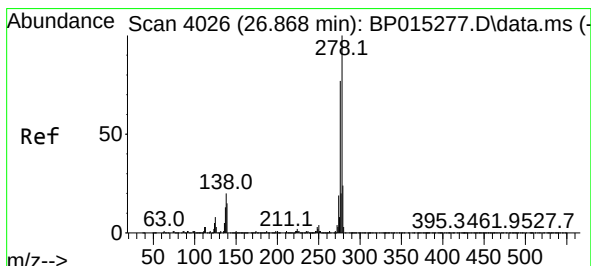
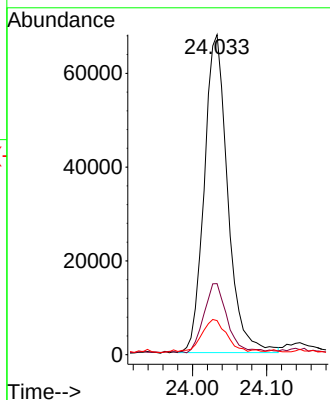
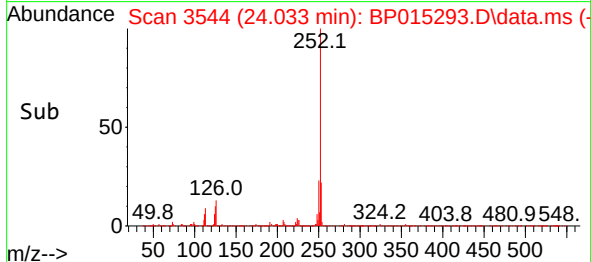
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:252 Resp: 149052
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 10.7 8.4 12.6

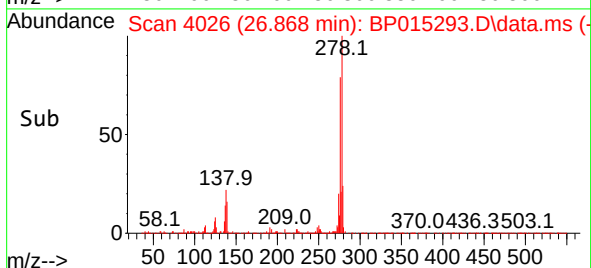
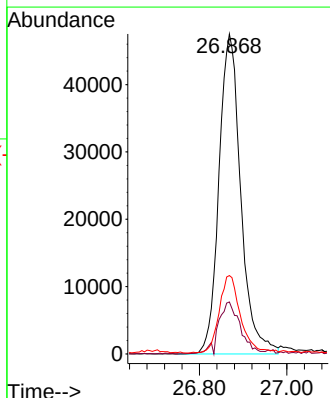
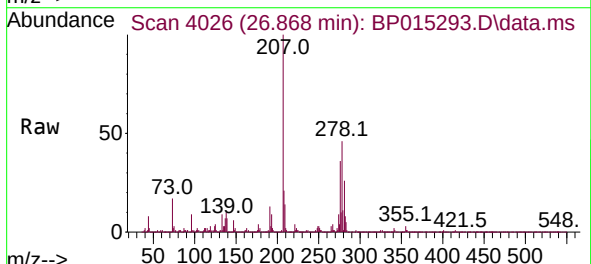
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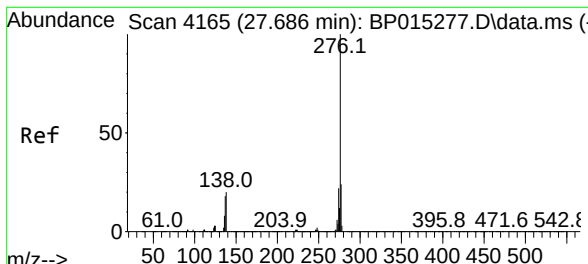
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.597 ng
RT: 26.868 min Scan# 4026
Delta R.T. 0.000 min
Lab File: BP015293.D
Acq: 25 May 2023 15:57

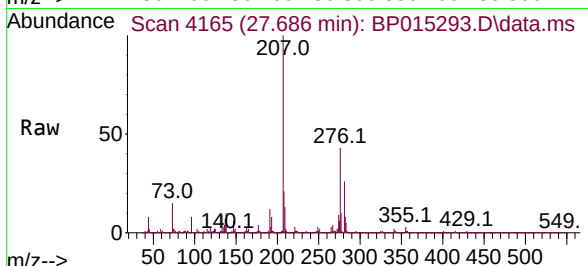
Tgt Ion:278 Resp: 164142
Ion Ratio Lower Upper
278 100
139 16.2 12.3 18.5
279 24.5 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.607 ng
 RT: 27.686 min Scan# 4165
 Delta R.T. 0.000 min
 Lab File: BP015293.D
 Acq: 25 May 2023 15:57

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:	276	Resp:	16726
Ion Ratio	Lower	Upper	
276	100		
277	22.2	19.0	28.6
138	22.4	16.2	24.2

Manual Integrations
 APPROVED

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

