

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052523\
 Data File : BP015294.D
 Acq On : 25 May 2023 16:31
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 25 17:02:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	199704	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	748648	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	438288	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	898280	20.000	ng	0.00
76) Chrysene-d12	21.580	240	845083	20.000	ng	0.00
86) Perylene-d12	24.139	264	1003644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1201000	99.653	ng	0.00
7) Phenol-d6	7.258	99	1525753	96.603	ng	0.00
23) Nitrobenzene-d5	9.287	82	1067375	69.613	ng	0.00
42) 2,4,6-Tribromophenol	16.240	330	570603	95.802	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	2253266	69.021	ng	0.00
79) Terphenyl-d14	20.039	244	2951188	65.687	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	38753	7.260	ng	94
3) Pyridine	3.887	79	87931	6.446	ng	95
4) n-Nitrosodimethylamine	3.787	42	43660	6.858	ng	99
6) Aniline	7.428	93	139670	6.997	ng	99
8) 2-Chlorophenol	7.664	128	90027	7.148	ng	96
9) Benzaldehyde	7.240	77	84209	6.351	ng	97
10) Phenol	7.287	94	113276	7.161	ng	95
11) bis(2-Chloroethyl)ether	7.522	93	95589	7.210	ng	99
12) 1,3-Dichlorobenzene	7.993	146	105608	7.536	ng	99
13) 1,4-Dichlorobenzene	8.146	146	107300	7.607	ng	98
14) 1,2-Dichlorobenzene	8.463	146	100206	7.445	ng	95
15) Benzyl Alcohol	8.352	79	69144	6.272	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.646	45	130190m	7.615	ng	
17) 2-Methylphenol	8.552	107	72557	6.446	ng	94
18) Hexachloroethane	9.199	117	38552	7.252	ng	95
19) n-Nitroso-di-n-propyla...	8.922	70	68697	6.796	ng	98
20) 3+4-Methylphenols	8.881	107	94832	6.236	ng	97
22) Acetophenone	8.940	105	143807	7.396	ng	# 99
24) Nitrobenzene	9.328	77	110797	7.257	ng	97
25) Isophorone	9.852	82	178237	6.478	ng	98
26) 2-Nitrophenol	10.046	139	40673	6.070	ng	95
27) 2,4-Dimethylphenol	10.099	122	78478	6.985	ng	97
28) bis(2-Chloroethoxy)met...	10.340	93	121756	7.180	ng	99
29) 2,4-Dichlorophenol	10.581	162	76596	6.575	ng	99
30) 1,2,4-Trichlorobenzene	10.799	180	94885	7.302	ng	97
31) Naphthalene	10.987	128	286490	7.266	ng	99
32) Benzoic acid	10.175	122	23377	8.623	ng	98
33) 4-Chloroaniline	11.105	127	103219	6.332	ng	99
34) Hexachlorobutadiene	11.269	225	59392	7.214	ng	99
35) Caprolactam	11.869	113	19184	5.364	ng	91
36) 4-Chloro-3-methylphenol	12.210	107	80627	6.366	ng	97
37) 2-Methylnaphthalene	12.587	142	193947	6.921	ng	97
38) 1-Methylnaphthalene	12.804	142	178046	6.810	ng	96
40) 1,2,4,5-Tetrachloroben...	12.951	216	106013	7.372	ng	97
41) Hexachlorocyclopentadiene	12.922	237	52077	6.837	ng	97
43) 2,4,6-Trichlorophenol	13.187	196	59774	6.403	ng	98

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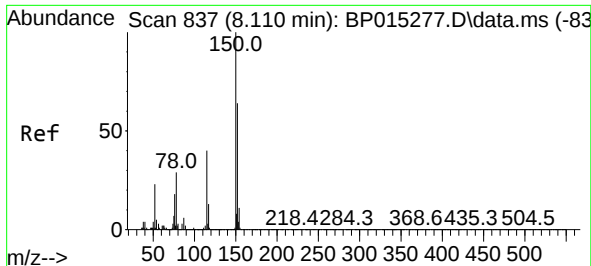
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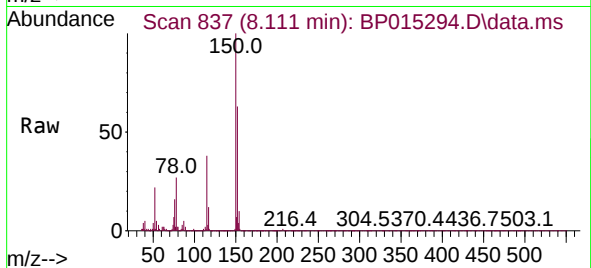
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.263	196	64989	5.922	ng	97
46) 1,1'-Biphenyl	13.587	154	252966	7.285	ng	99
47) 2-Chloronaphthalene	13.634	162	194629	7.430	ng	97
48) 2-Nitroaniline	13.834	65	44577	5.570	ng	96
49) Acenaphthylene	14.475	152	284338	6.783	ng	98
50) Dimethylphthalate	14.198	163	224908	6.559	ng	99
51) 2,6-Dinitrotoluene	14.322	165	45201	6.244	ng	98
52) Acenaphthene	14.816	154	175154	7.016	ng	96
53) 3-Nitroaniline	14.657	138	41205	5.569	ng	91
54) 2,4-Dinitrophenol	14.869	184	16611	8.376	ng	97
55) Dibenzofuran	15.146	168	286714	7.020	ng	99
56) 4-Nitrophenol	14.963	139	28575	7.636	ng	94
57) 2,4-Dinitrotoluene	15.116	165	53199	5.589	ng	99
58) Fluorene	15.798	166	223827	7.096	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.375	232	55138	6.282	ng	99
60) Diethylphthalate	15.557	149	218911	6.409	ng	100
61) 4-Chlorophenyl-phenyle...	15.787	204	113824	7.048	ng	98
62) 4-Nitroaniline	15.816	138	37606	6.805	ng	94
63) Azobenzene	16.081	77	215038	6.599	ng	99
65) 4,6-Dinitro-2-methylph...	15.881	198	27858	5.106	ng	96
66) n-Nitrosodiphenylamine	15.998	169	184859	6.906	ng	99
67) 4-Bromophenyl-phenylether	16.687	248	66827	6.880	ng	98
68) Hexachlorobenzene	16.804	284	77877	7.281	ng	99
69) Atrazine	16.951	200	62765	7.344	ng	98
70) Pentachlorophenol	17.151	266	36797	5.020	ng	97
71) Phenanthrene	17.545	178	340950	7.122	ng	99
72) Anthracene	17.639	178	329007	6.862	ng	99
73) Carbazole	17.904	167	286205	6.741	ng	99
74) Di-n-butylphthalate	18.439	149	335134	6.146	ng	99
75) Fluoranthene	19.498	202	372300	6.657	ng	99
77) Benzidine	19.681	184	149140	11.145	ng	98
78) Pyrene	19.851	202	396703	6.561	ng	99
80) Butylbenzylphthalate	20.710	149	140694	5.491	ng	99
81) Benzo(a)anthracene	21.563	228	393938	6.709	ng	99
82) 3,3'-Dichlorobenzidine	21.492	252	141026	7.776	ng	99
83) Chrysene	21.622	228	381805	6.781	ng	99
84) Bis(2-ethylhexyl)phtha...	21.463	149	215547	5.711	ng	98
85) Di-n-octyl phthalate	22.439	149	357420	5.598	ng	99
87) Indeno(1,2,3-cd)pyrene	26.839	276	488835	6.720	ng	99
88) Benzo(b)fluoranthene	23.345	252	407956	6.685	ng	98
89) Benzo(k)fluoranthene	23.398	252	407612	6.633	ng	99
90) Benzo(a)pyrene	24.022	252	347487	5.898	ng	99
91) Dibenzo(a,h)anthracene	26.857	278	405776	6.792	ng	98
92) Benzo(g,h,i)perylene	27.668	276	402064	6.624	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 81
Delta R.T. 0.001 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

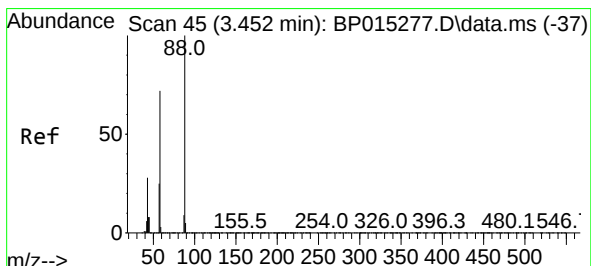
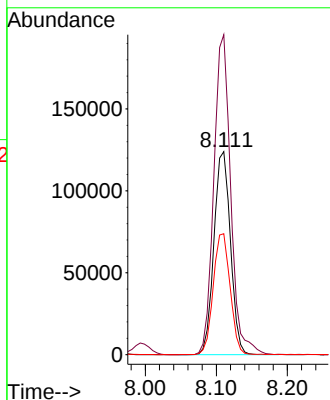
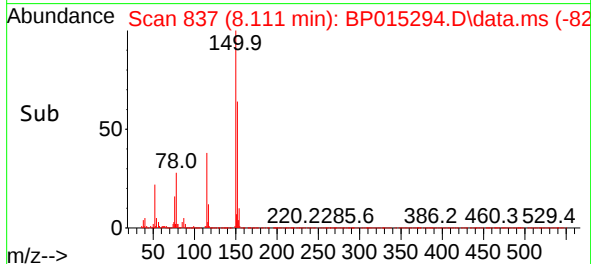
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



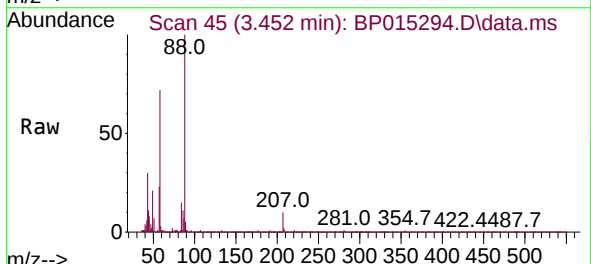
Tgt Ion:152 Resp: 199704
Ion Ratio Lower Upper
152 100
150 157.6 124.2 186.2
115 59.5 49.1 73.7

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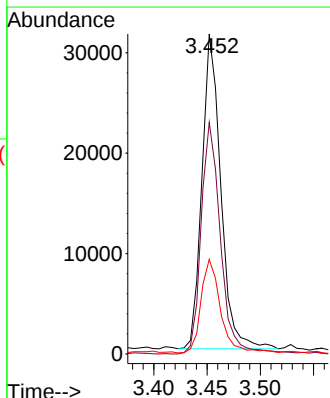
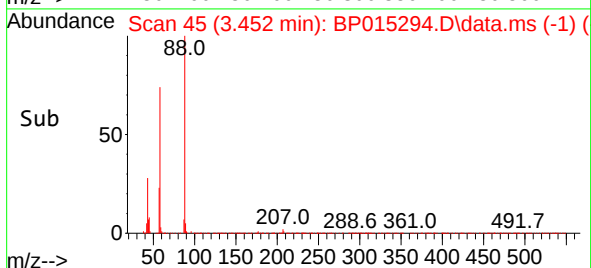
Reviewed By :Christian Giraldo 05/26/2023
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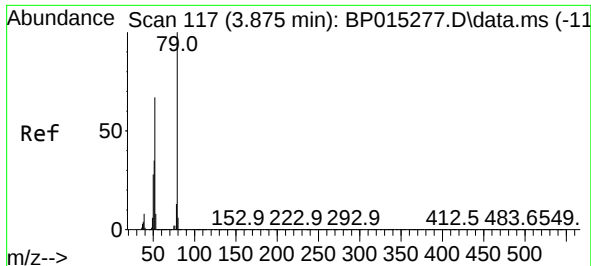


#2
1,4-Dioxane
Concen: 7.260 ng
RT: 3.452 min Scan# 45
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



Tgt Ion: 88 Resp: 38753
Ion Ratio Lower Upper
88 100
58 75.8 56.2 84.4
43 30.5 22.1 33.1





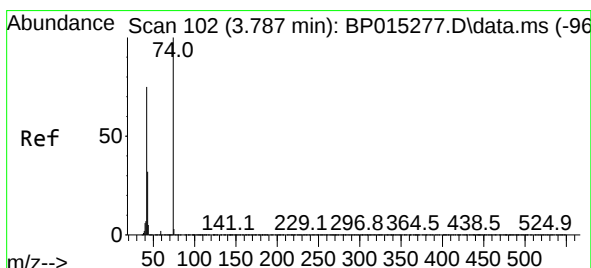
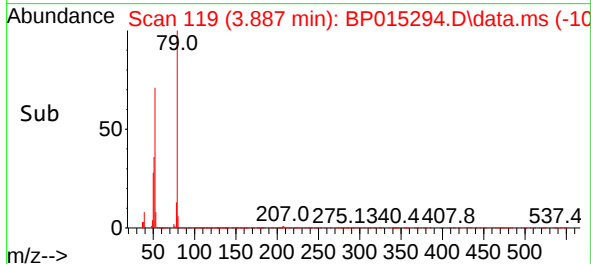
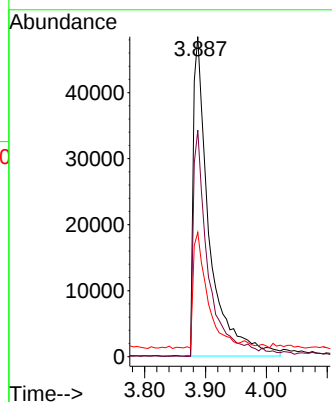
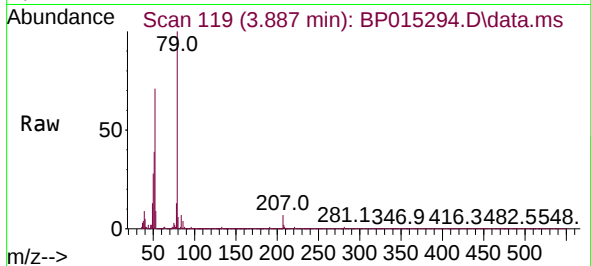
#3
Pyridine
Concen: 6.446 ng
RT: 3.887 min Scan# 117
Delta R.T. 0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion: 79 Resp: 8793
Ion Ratio Lower Upper
79 100
52 70.7 53.7 80.5
51 38.8 28.6 43.0

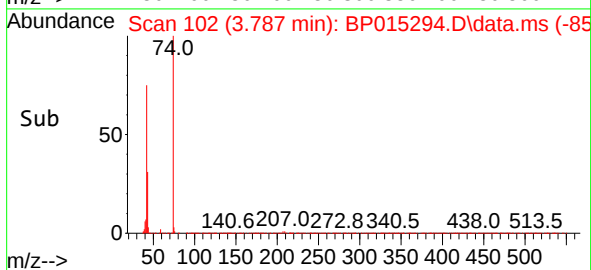
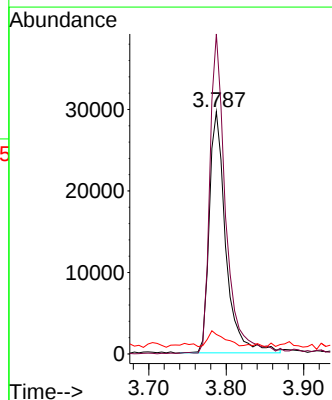
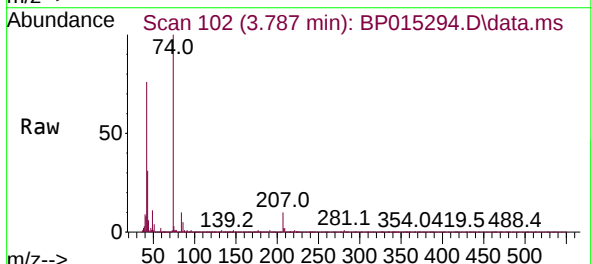
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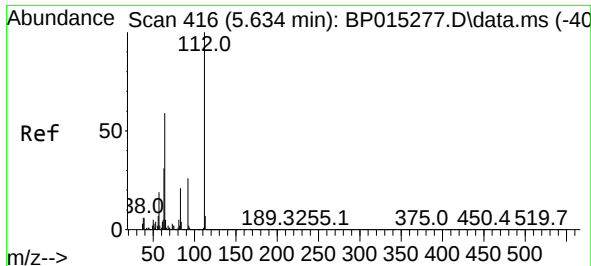
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#4
n-Nitrosodimethylamine
Concen: 6.858 ng
RT: 3.787 min Scan# 102
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion: 42 Resp: 43660
Ion Ratio Lower Upper
42 100
74 132.1 106.6 160.0
44 8.1 5.8 8.8





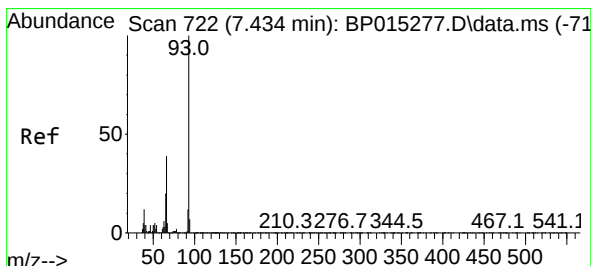
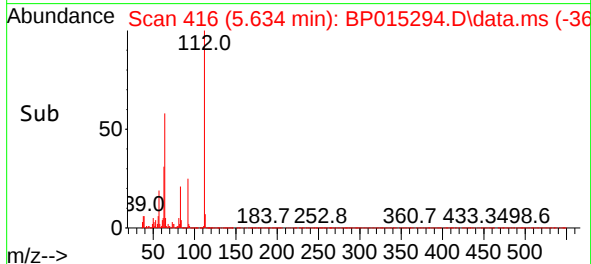
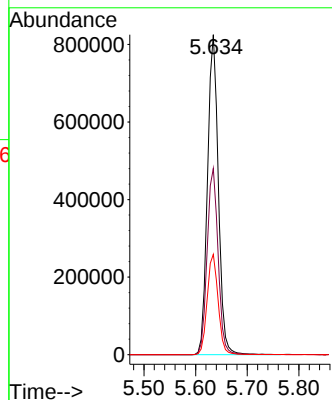
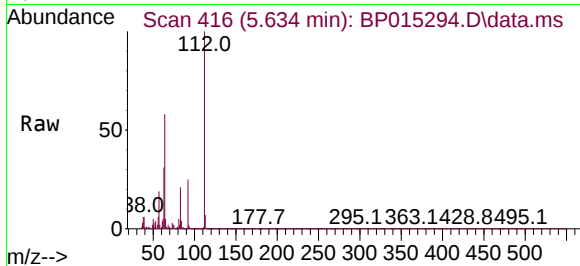
#5
2-Fluorophenol
Concen: 99.653 ng
RT: 5.634 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:112 Resp: 1201000
Ion Ratio Lower Upper
112 100
64 58.2 47.2 70.8
63 31.3 24.6 37.0

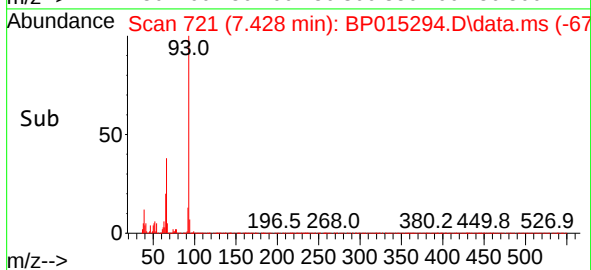
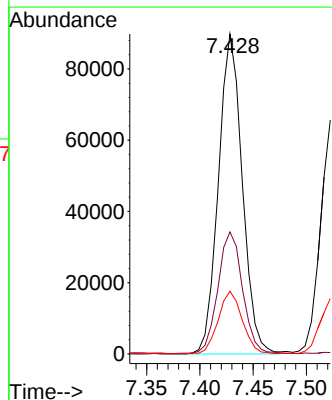
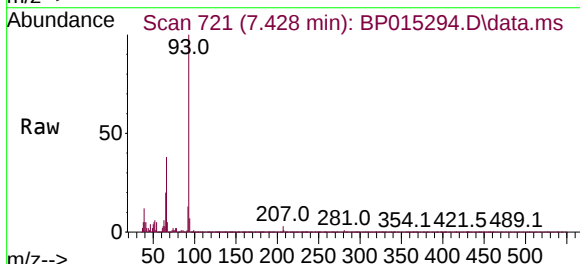
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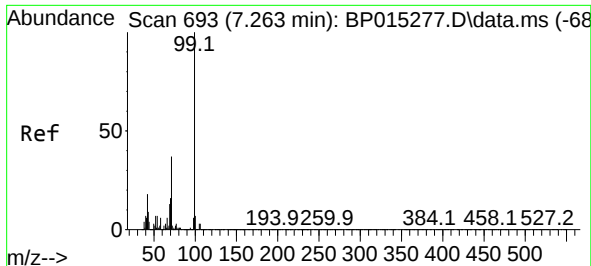
Reviewed By :Christian Giraldo 05/26/2023
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#6
Aniline
Concen: 6.997 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

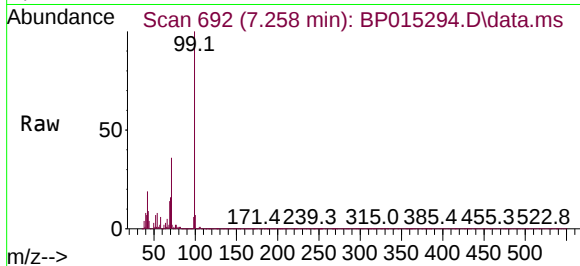
Tgt Ion: 93 Resp: 139670
Ion Ratio Lower Upper
93 100
66 38.2 31.3 46.9
65 19.6 16.0 24.0





#7
Phenol-d6
Concen: 96.603 ng
RT: 7.258 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

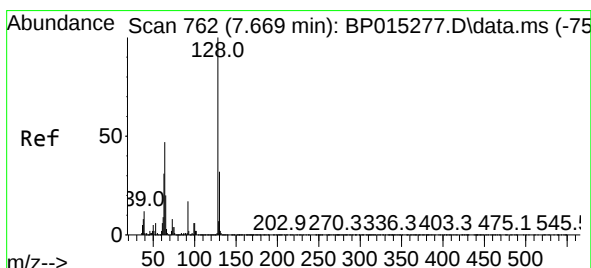
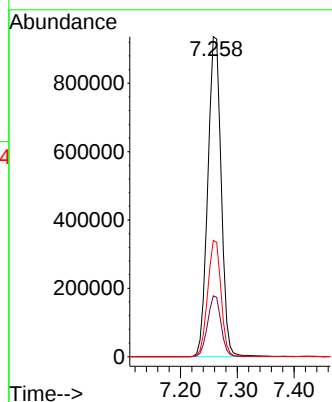
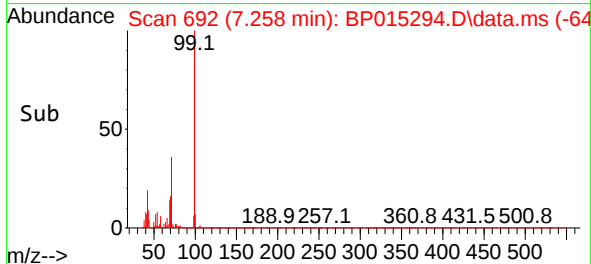
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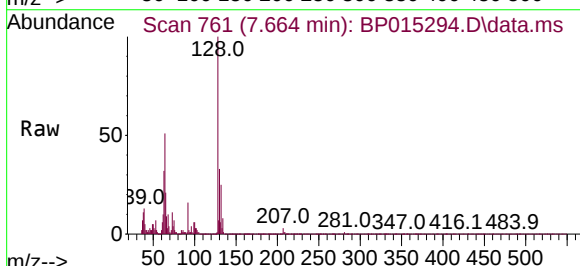
Tgt Ion: 99 Resp: 152575
Ion Ratio Lower Upper
99 100
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71 36.4 29.4 44.2

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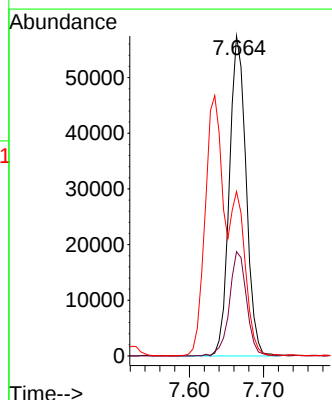
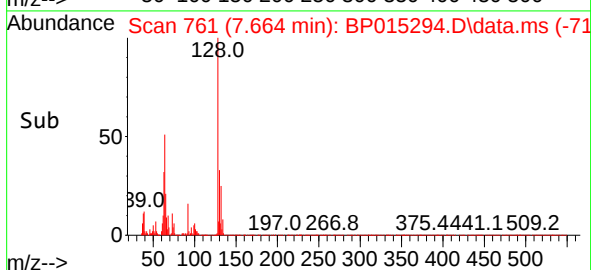
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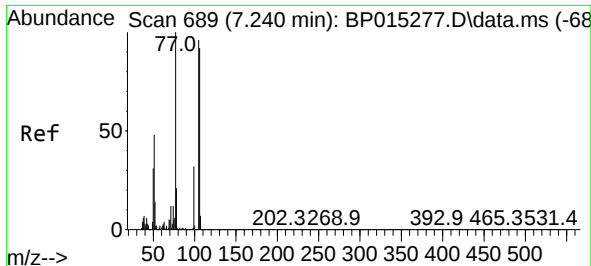


#8
2-Chlorophenol
Concen: 7.148 ng
RT: 7.664 min Scan# 761
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



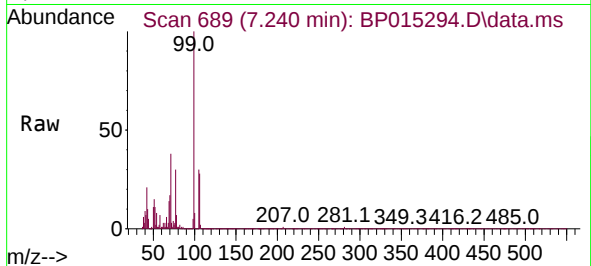
Tgt Ion:128 Resp: 90027
Ion Ratio Lower Upper
128 100
130 32.6 11.5 51.5
64 51.4 27.3 67.3





#9
Benzaldehyde
Concen: 6.351 ng
RT: 7.240 min Scan# 689
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

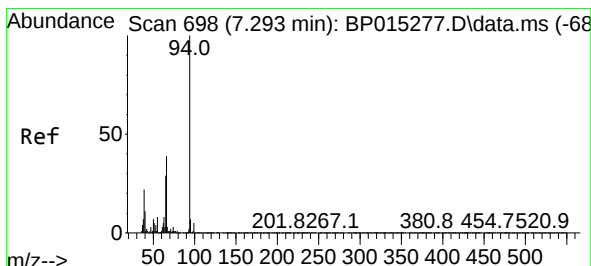
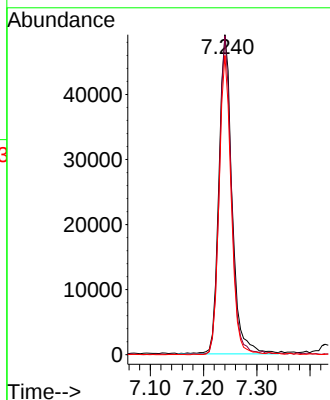
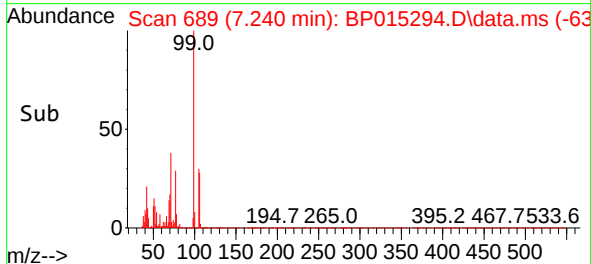
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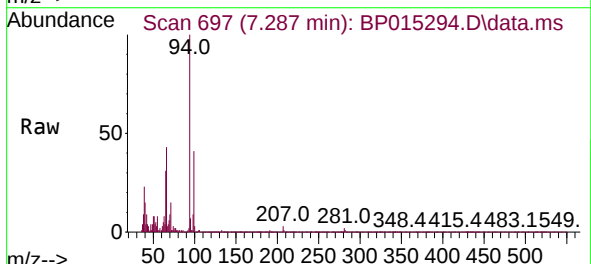
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Ion Ratio Lower Upper
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105 99.7 75.9 115.9
106 93.5 72.3 112.3

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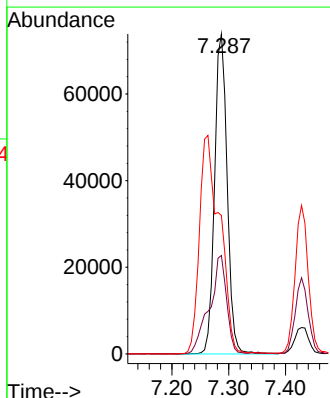
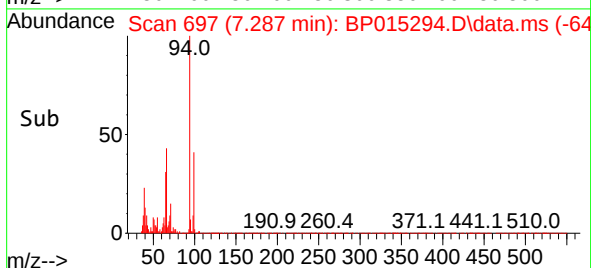
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

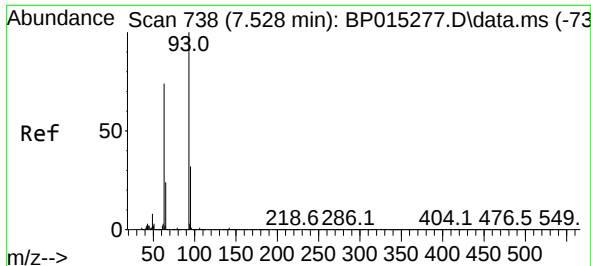


#10
Phenol
Concen: 7.161 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



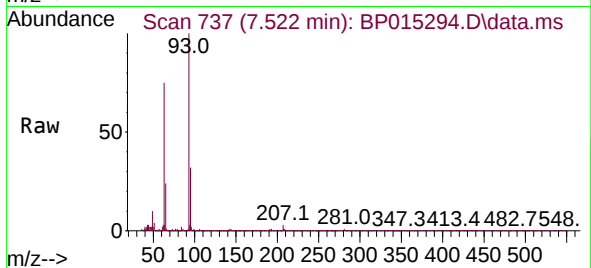
Tgt Ion: 94 Resp: 113276
Ion Ratio Lower Upper
94 100
65 30.7 9.1 49.1
66 43.3 19.3 59.3





#11
bis(2-Chloroethyl)ether
Concen: 7.210 ng
RT: 7.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

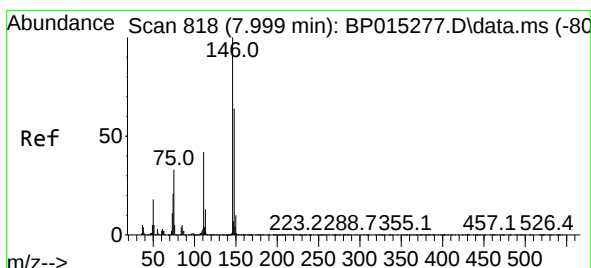
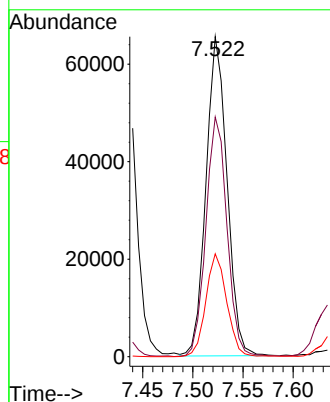
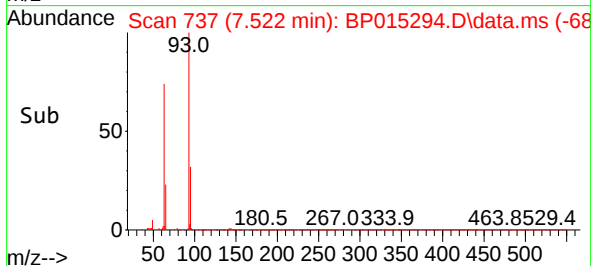
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



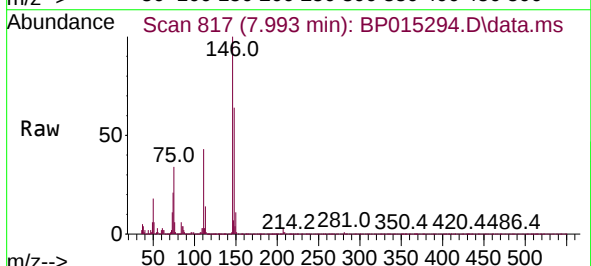
Tgt Ion: 93 Resp: 95589
Ion Ratio Lower Upper
93 100
63 74.9 53.9 93.9
95 32.2 12.2 52.2

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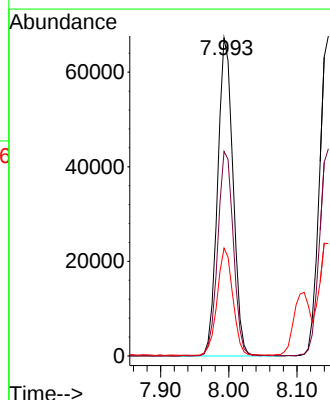
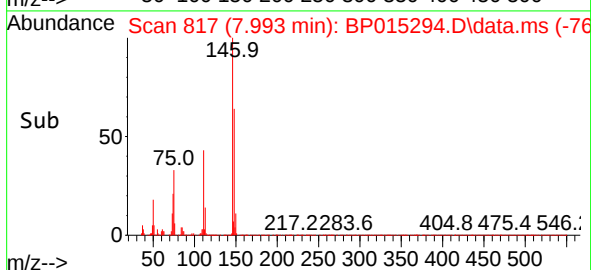
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

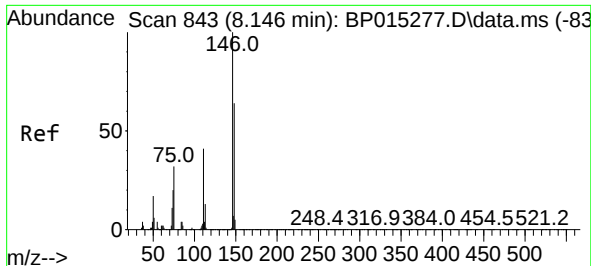


#12
1,3-Dichlorobenzene
Concen: 7.536 ng
RT: 7.993 min Scan# 817
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



Tgt Ion:146 Resp: 105608
Ion Ratio Lower Upper
146 100
148 64.3 50.8 76.2
75 33.9 26.1 39.1





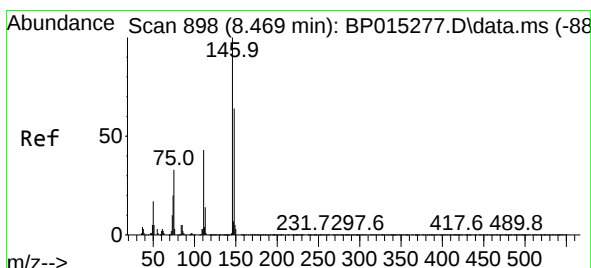
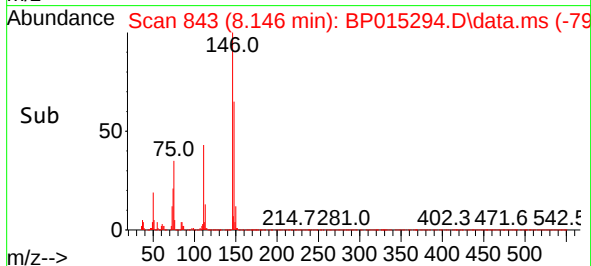
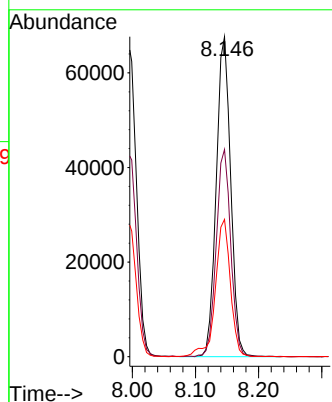
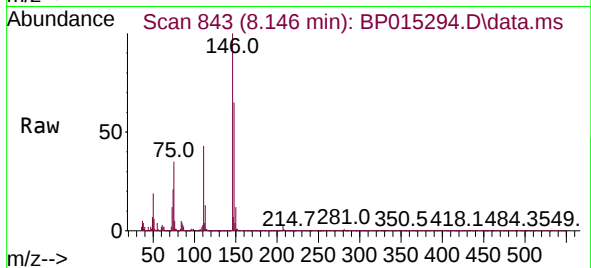
#13
1,4-Dichlorobenzene
Concen: 7.607 ng
RT: 8.146 min Scan# 843
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:146 Resp: 107300
Ion Ratio Lower Upper
146 100
148 64.8 51.0 76.6
111 42.9 33.3 49.9

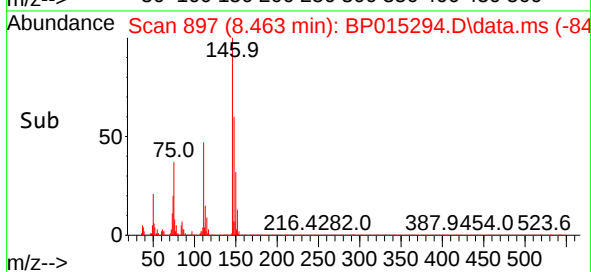
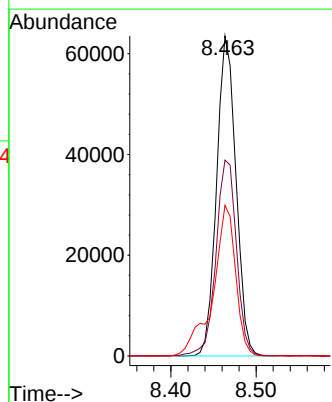
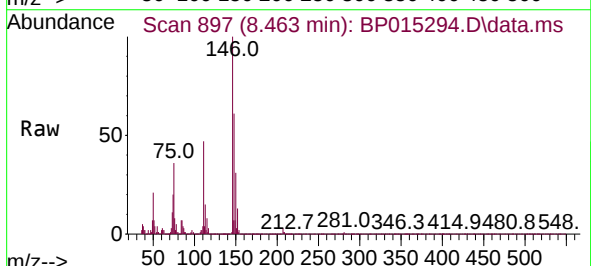
Manual Integrations
APPROVED

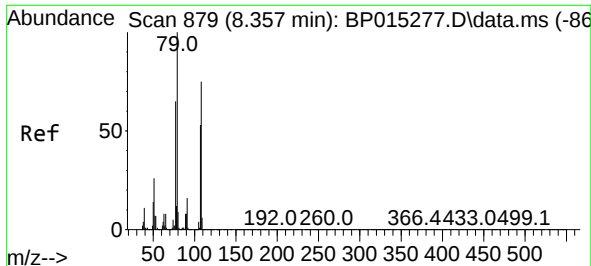
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#14
1,2-Dichlorobenzene
Concen: 7.445 ng
RT: 8.463 min Scan# 897
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

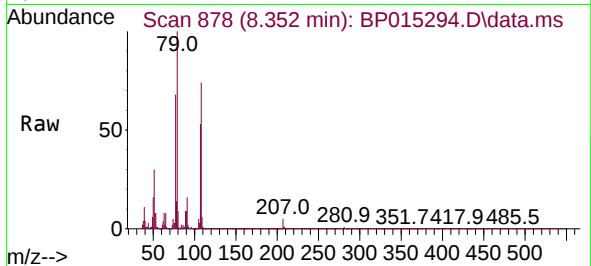
Tgt Ion:146 Resp: 100206
Ion Ratio Lower Upper
146 100
148 61.2 51.4 77.2
111 47.0 34.2 51.2





#15
Benzyl Alcohol
Concen: 6.272 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

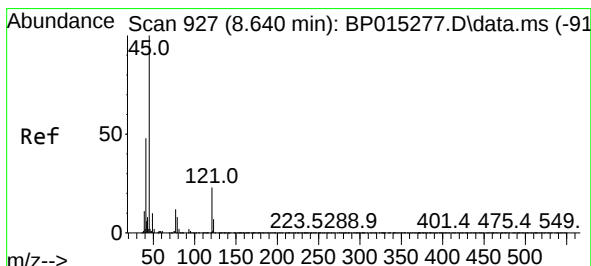
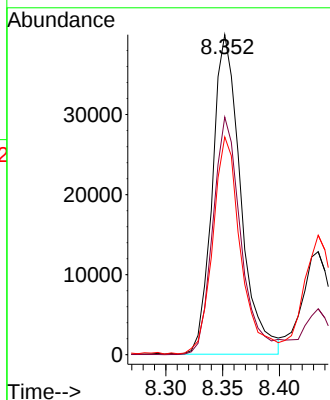
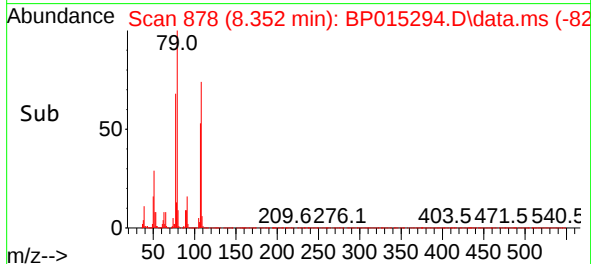
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



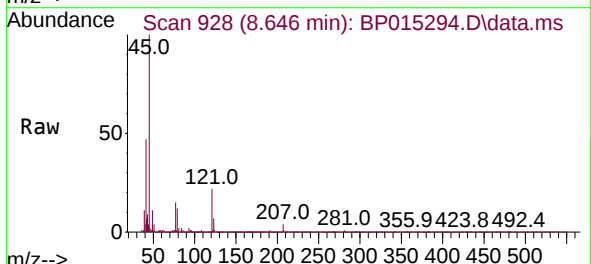
Tgt Ion: 79 Resp: 69144
Ion Ratio Lower Upper
79 100
108 74.3 60.2 90.2
77 68.0 52.1 78.1

Manual Integrations
APPROVED

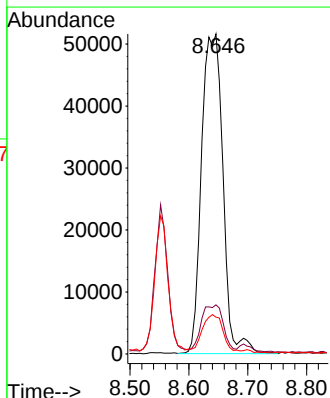
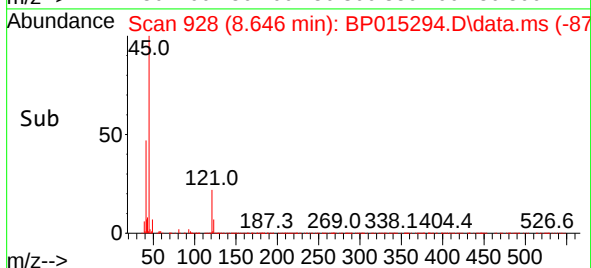
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

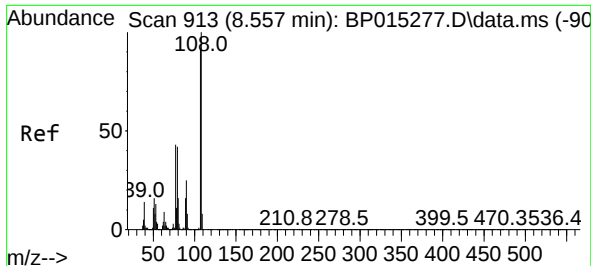


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.615 ng m
RT: 8.646 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



Tgt Ion: 45 Resp: 130190
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.3
79 11.5 0.0 31.2





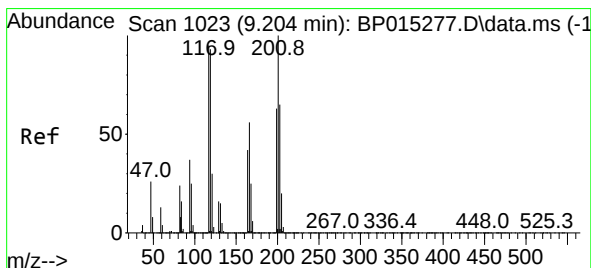
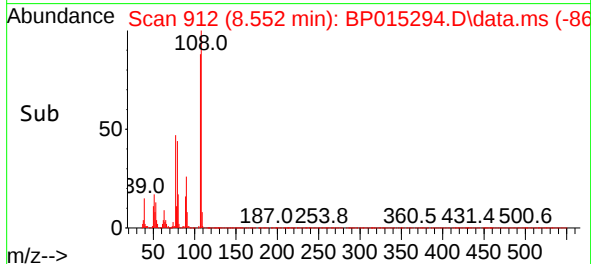
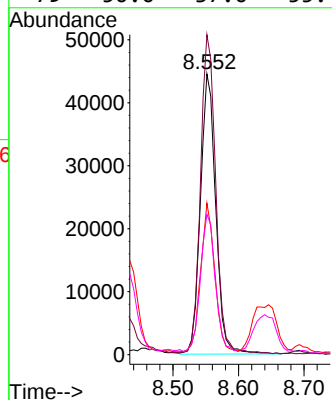
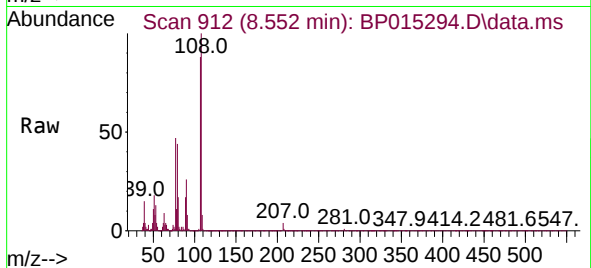
#17
2-Methylphenol
Concen: 6.446 ng
RT: 8.552 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:	107	Resp:	7255
Ion Ratio	Lower	Upper	
107	100		
108	113.9	87.3	130.9
77	54.0	38.1	57.1
79	50.0	37.0	55.4

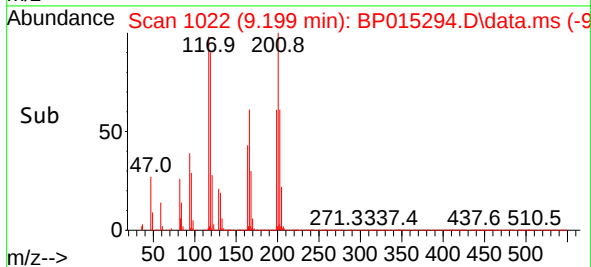
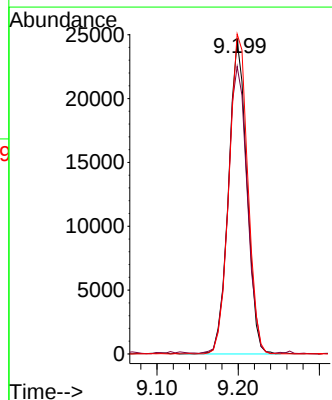
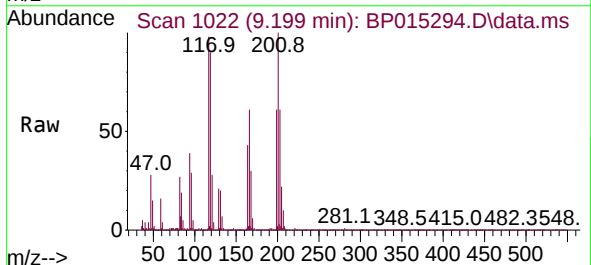
Manual Integrations
APPROVED

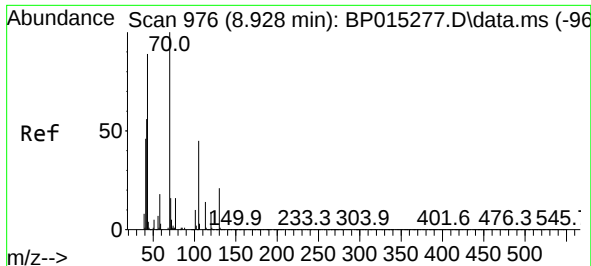
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#18
Hexachloroethane
Concen: 7.252 ng
RT: 9.199 min Scan# 1022
Delta R.T. -0.005 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

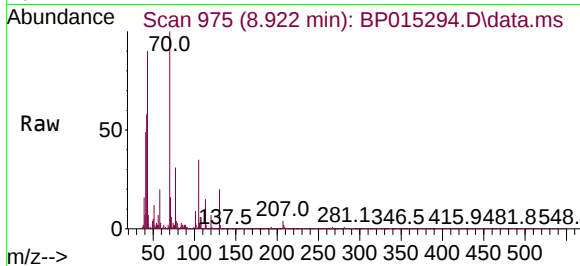
Tgt Ion:	117	Resp:	38552
Ion Ratio	Lower	Upper	
117	100		
119	91.8	78.8	118.2
201	102.2	84.5	126.7





#19
n-Nitroso-di-n-propylamine
Concen: 6.796 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

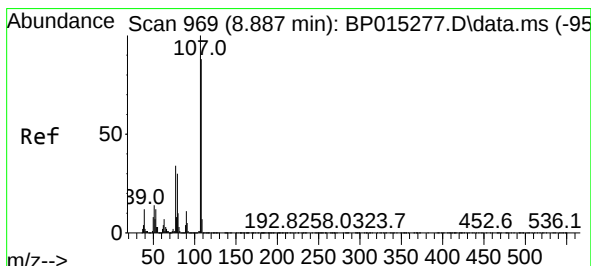
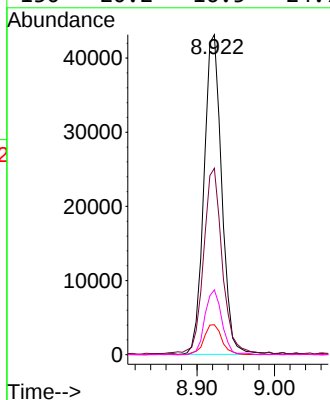
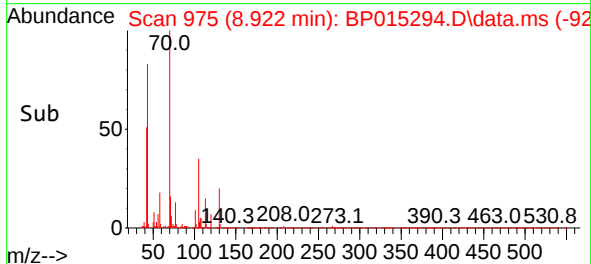
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



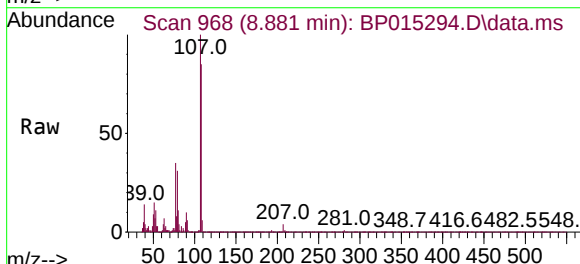
Tgt Ion: 70 Resp: 6869
Ion Ratio Lower Upper
70 100
42 58.3 45.4 68.2
101 9.3 7.9 11.9
130 20.2 16.5 24.7

Manual Integrations
APPROVED

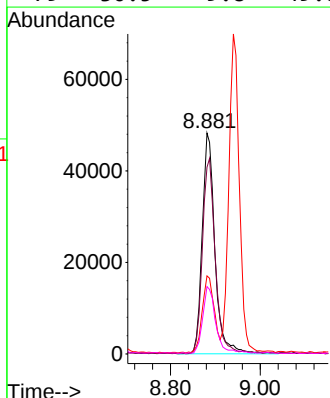
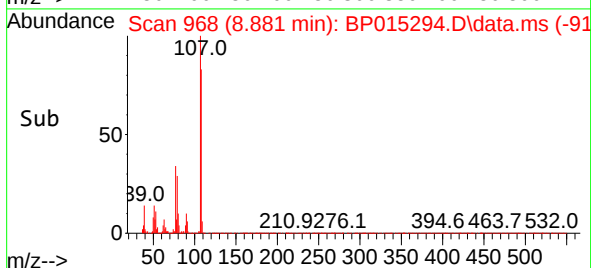
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

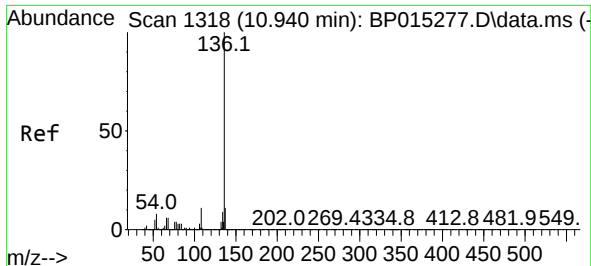


#20
3+4-Methylphenols
Concen: 6.236 ng
RT: 8.881 min Scan# 968
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



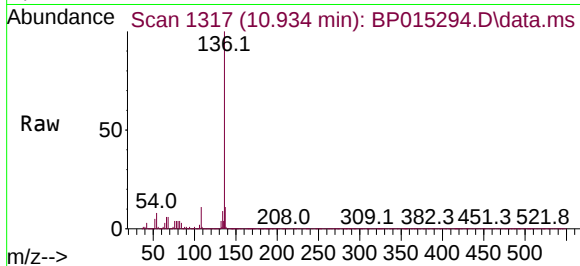
Tgt Ion:107 Resp: 94832
Ion Ratio Lower Upper
107 100
108 84.6 68.0 108.0
77 35.3 14.5 54.5
79 30.5 9.8 49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

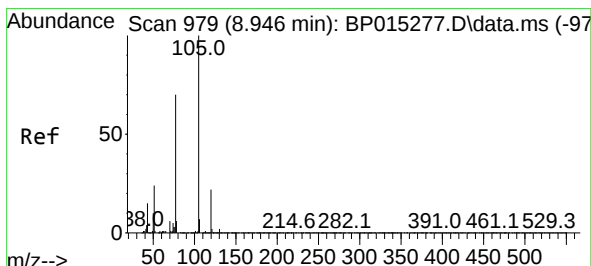
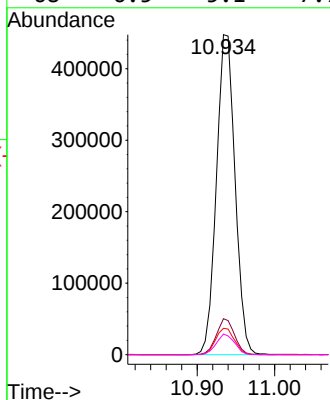
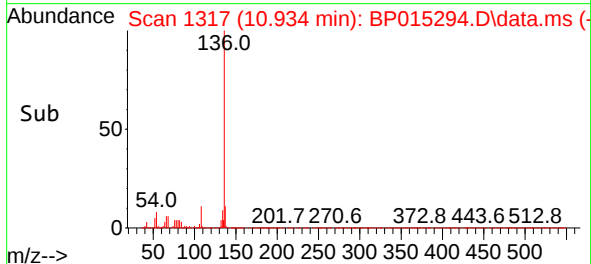
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:136 Resp: 74864
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.3 6.3 9.5
68 6.5 5.1 7.7

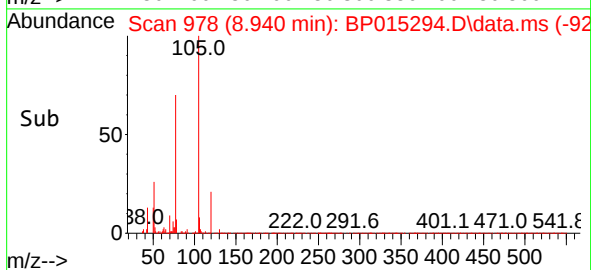
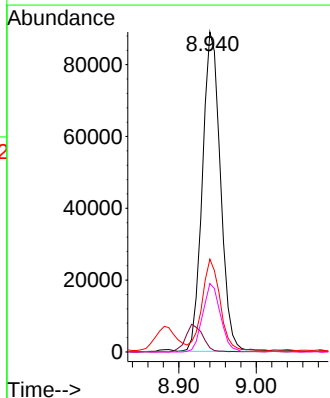
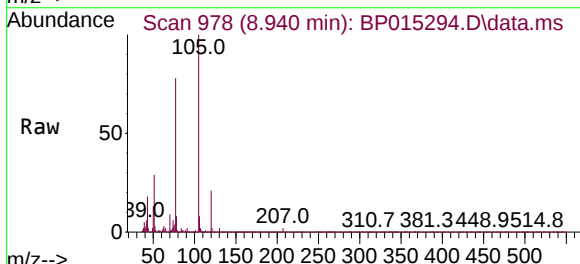
Manual Integrations
APPROVED

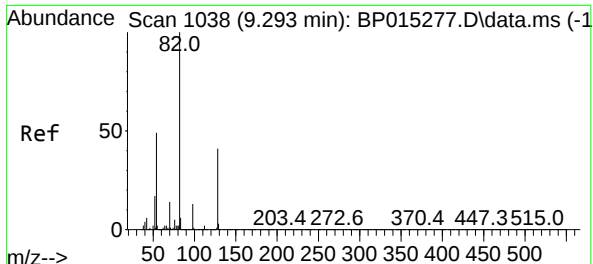
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#22
Acetophenone
Concen: 7.396 ng
RT: 8.940 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

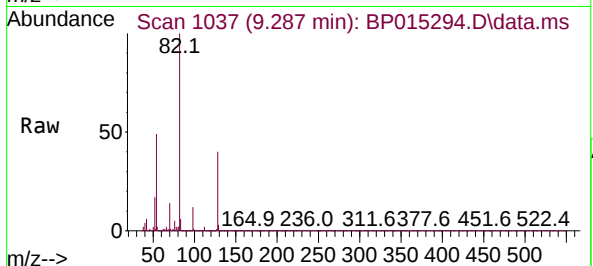
Tgt Ion:105 Resp: 143807
Ion Ratio Lower Upper
105 100
71 1.3 1.5 2.3#
51 29.0 22.5 33.7
120 21.4 17.2 25.8





#23
Nitrobenzene-d5
Concen: 69.613 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

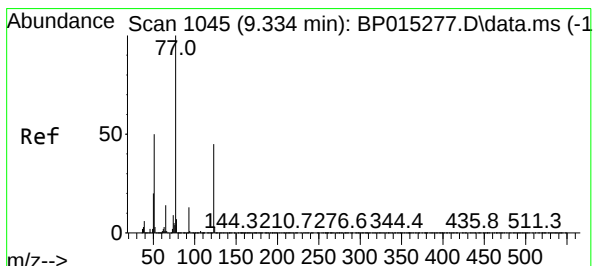
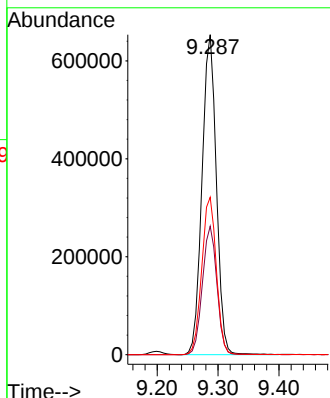
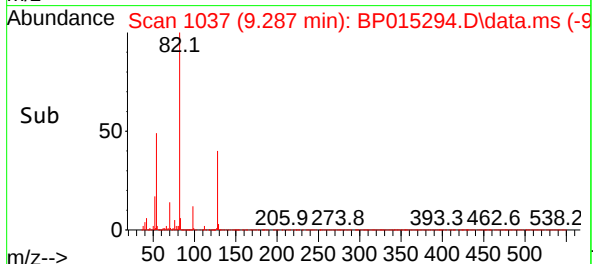
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion: 82 Resp: 106737
Ion Ratio Lower Upper
82 100
128 40.1 33.0 49.4
54 49.2 39.2 58.8

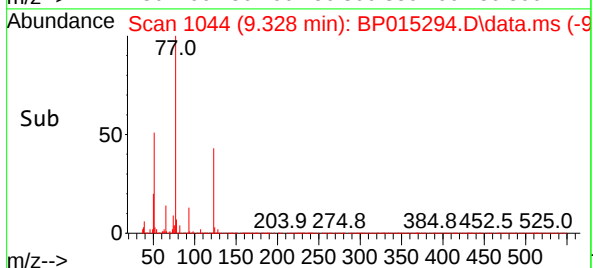
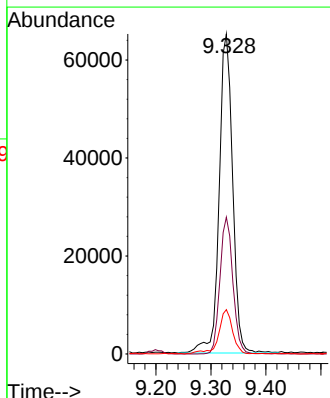
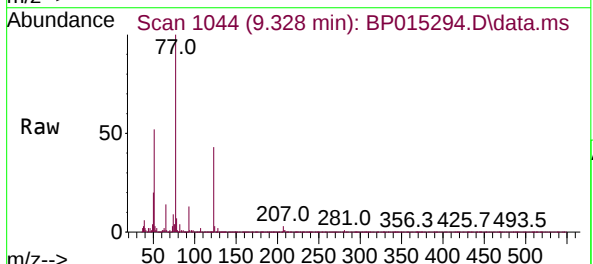
Manual Integrations
APPROVED

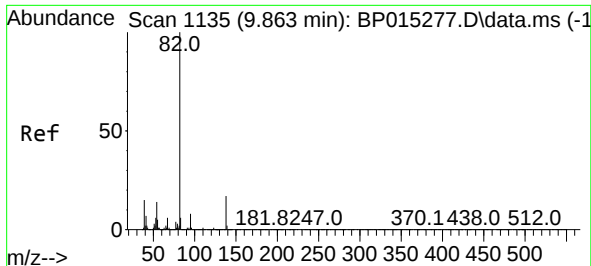
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#24
Nitrobenzene
Concen: 7.257 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

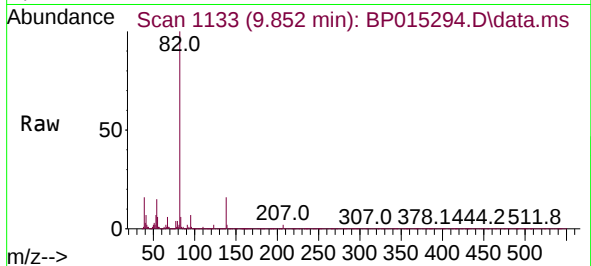
Tgt Ion: 77 Resp: 110797
Ion Ratio Lower Upper
77 100
123 42.8 36.2 54.4
65 13.8 10.8 16.2





#25
Isophorone
Concen: 6.478 ng
RT: 9.852 min Scan# 1133
Delta R.T. -0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

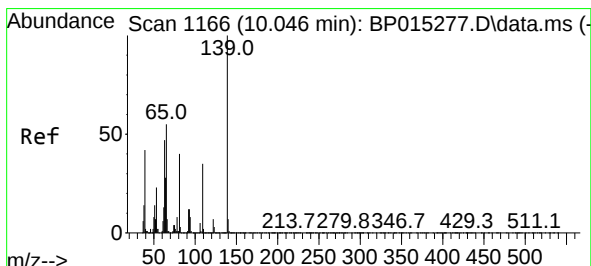
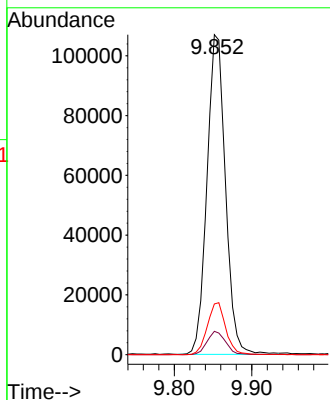
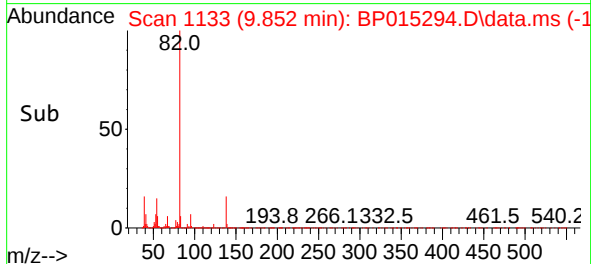
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



Tgt Ion: 82 Resp: 17823
Ion Ratio Lower Upper
82 100
95 7.3 6.3 9.5
138 15.9 13.6 20.4

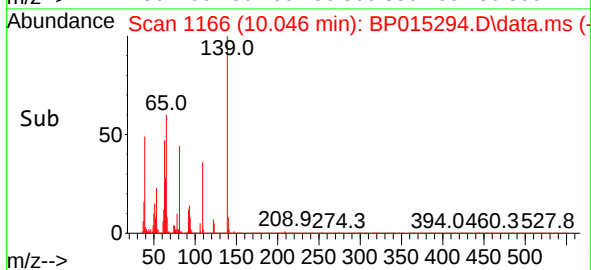
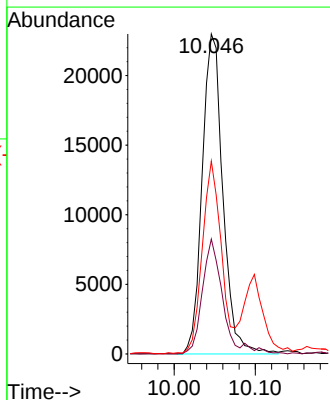
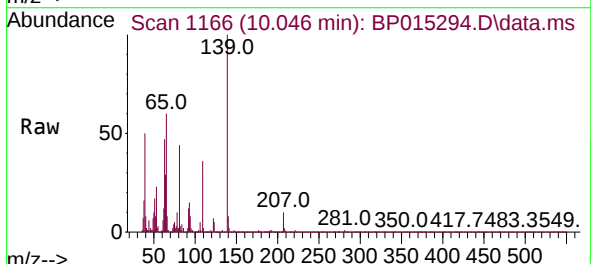
Manual Integrations
APPROVED

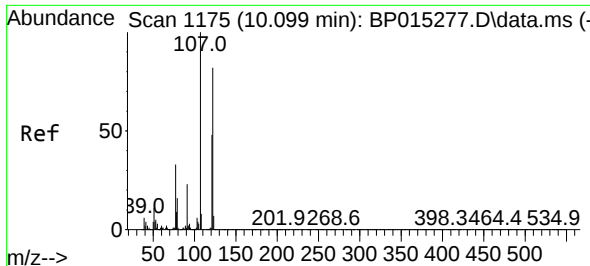
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#26
2-Nitrophenol
Concen: 6.070 ng
RT: 10.046 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

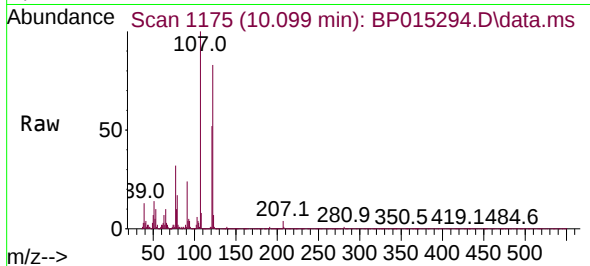
Tgt Ion:139 Resp: 40673
Ion Ratio Lower Upper
139 100
109 35.9 28.4 42.6
65 60.2 43.8 65.8





#27
2,4-Dimethylphenol
Concen: 6.985 ng
RT: 10.099 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

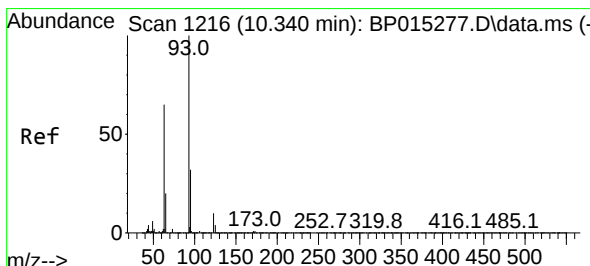
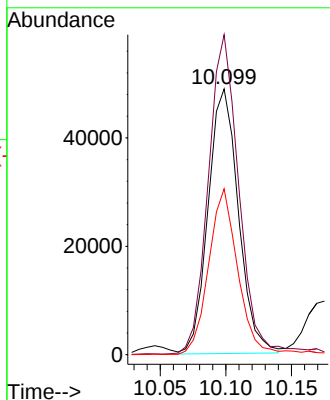
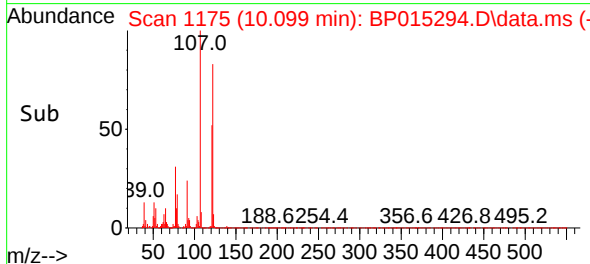
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



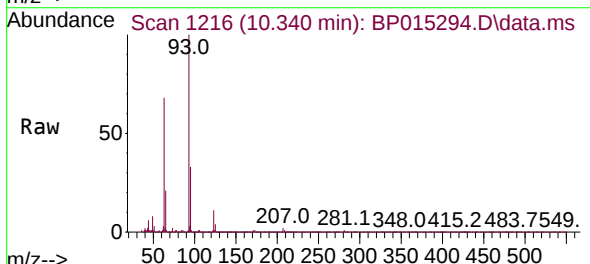
Tgt Ion: 122 Resp: 78478
Ion Ratio Lower Upper
122 100
107 120.4 95.9 143.9
121 62.4 45.8 68.8

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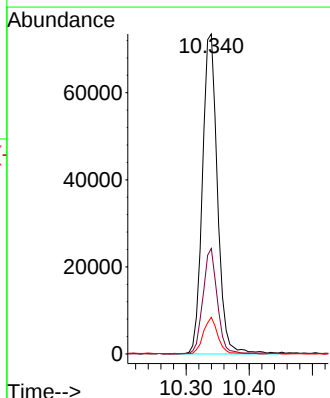
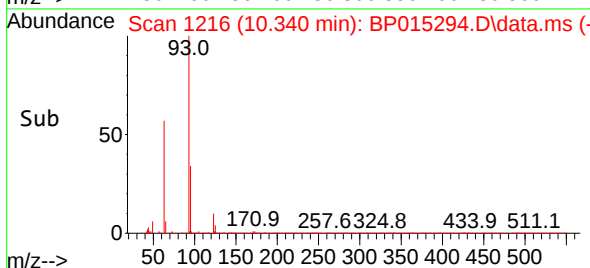
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

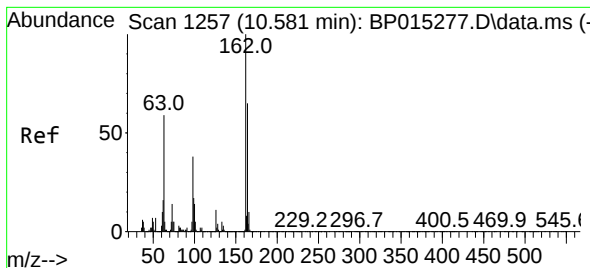


#28
bis(2-Chloroethoxy)methane
Concen: 7.180 ng
RT: 10.340 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



Tgt Ion: 93 Resp: 121756
Ion Ratio Lower Upper
93 100
95 33.0 26.0 39.0
123 11.4 8.4 12.6





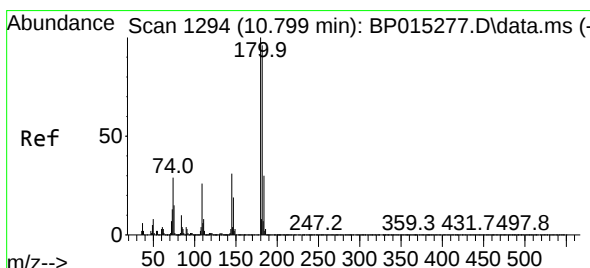
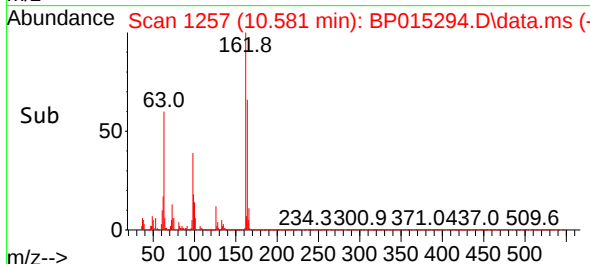
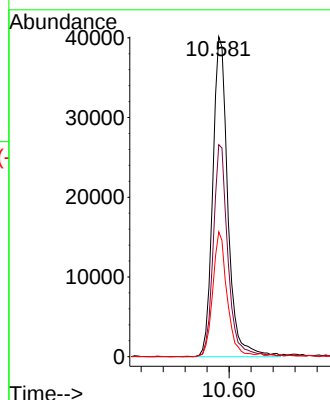
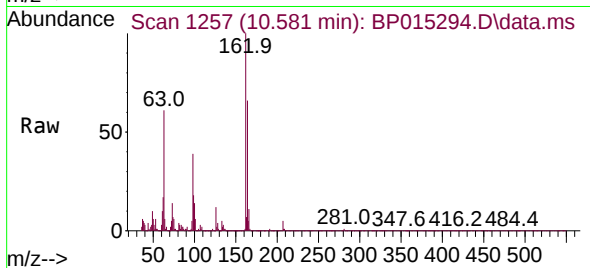
#29
2,4-Dichlorophenol
Concen: 6.575 ng
RT: 10.581 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:162 Resp: 76590
Ion Ratio Lower Upper
162 100
164 66.3 45.4 85.4
98 39.0 17.9 57.9

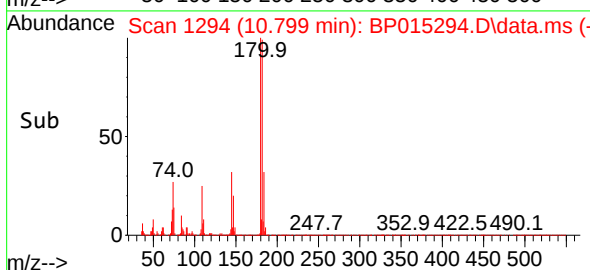
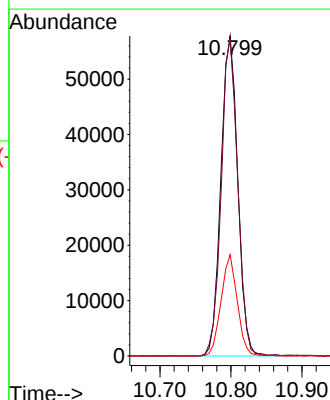
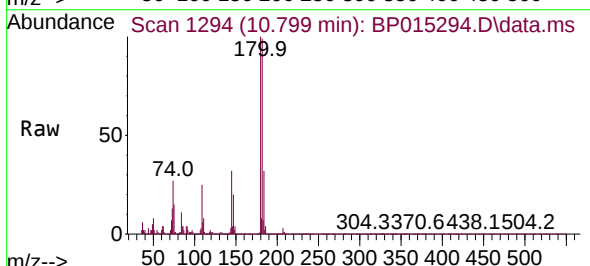
Manual Integrations
APPROVED

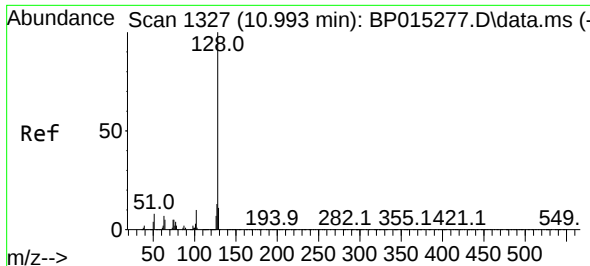
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#30
1,2,4-Trichlorobenzene
Concen: 7.302 ng
RT: 10.799 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

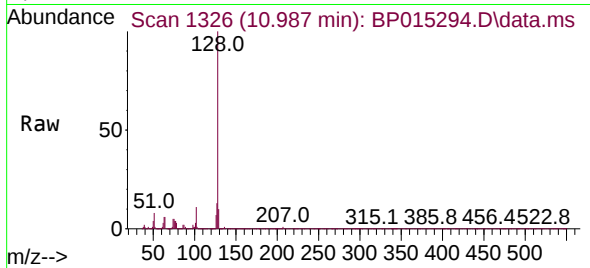
Tgt Ion:180 Resp: 94885
Ion Ratio Lower Upper
180 100
182 99.0 76.6 115.0
145 31.7 24.9 37.3





#31
Naphthalene
Concen: 7.266 ng
RT: 10.987 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

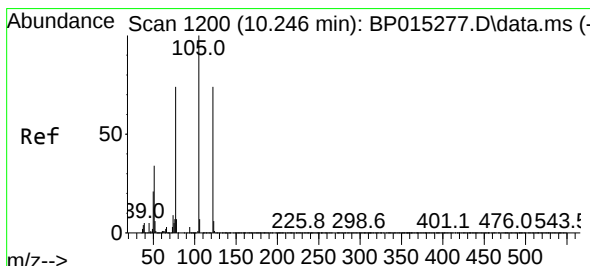
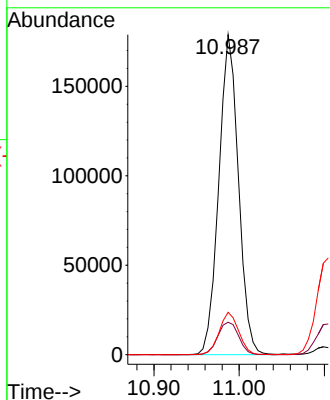
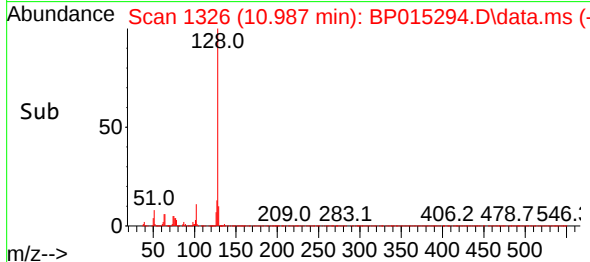
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:128 Resp: 286490
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 13.2 10.4 15.6

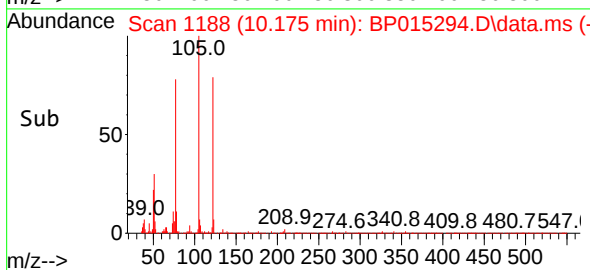
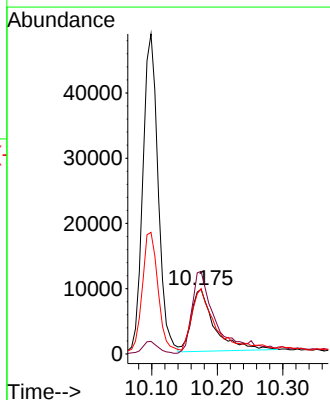
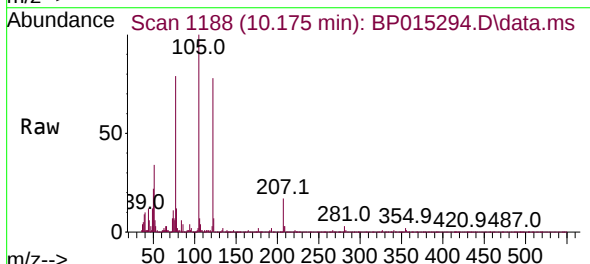
Manual Integrations
APPROVED

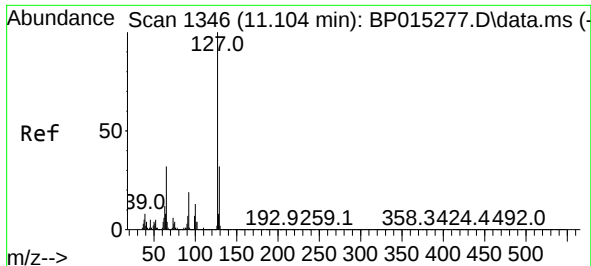
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#32
Benzoic acid
Concen: 8.623 ng
RT: 10.175 min Scan# 1188
Delta R.T. -0.071 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

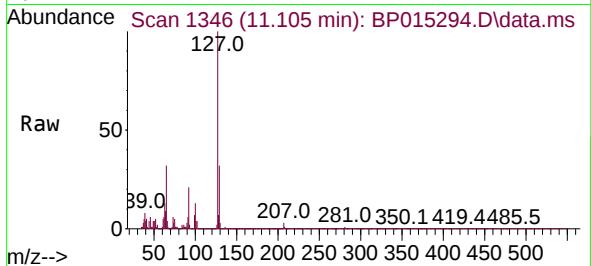
Tgt Ion:122 Resp: 23377
Ion Ratio Lower Upper
122 100
105 127.9 109.5 149.5
77 101.0 78.2 118.2





#33
4-Chloroaniline
Concen: 6.332 ng
RT: 11.105 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

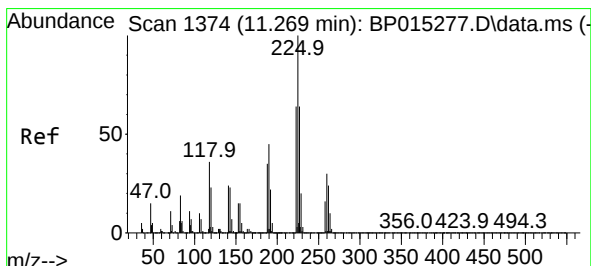
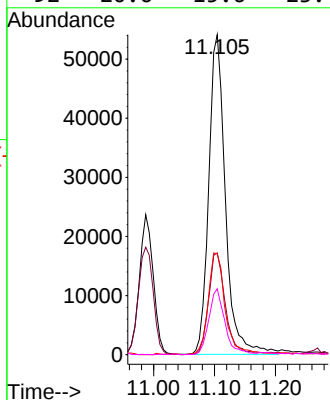
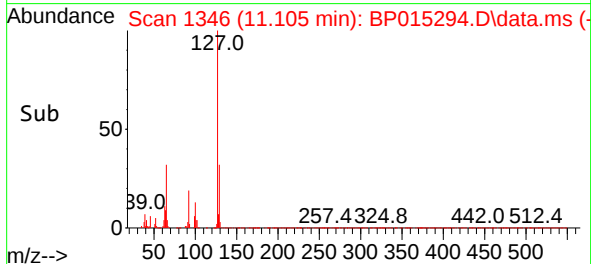
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.5	38.3
65	31.6	25.3	37.9
92	20.6	15.6	23.4

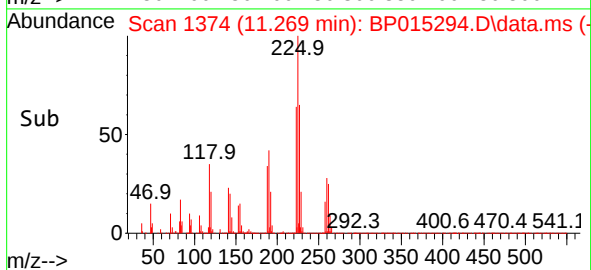
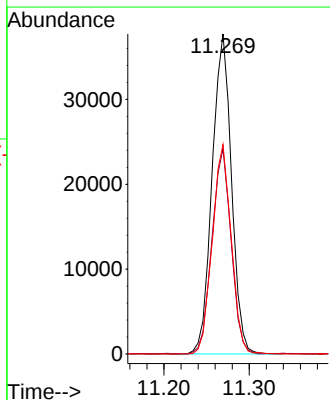
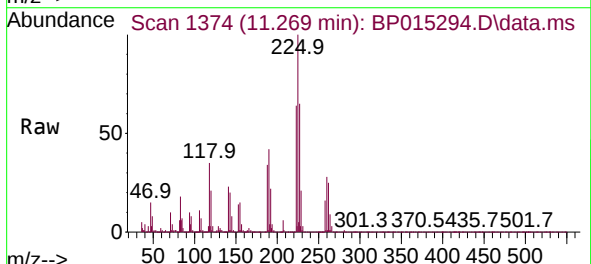
Manual Integrations
APPROVED

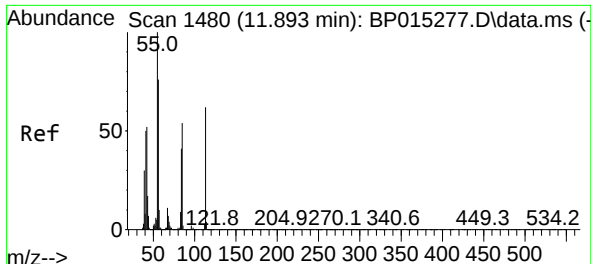
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#34
Hexachlorobutadiene
Concen: 7.214 ng
RT: 11.269 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

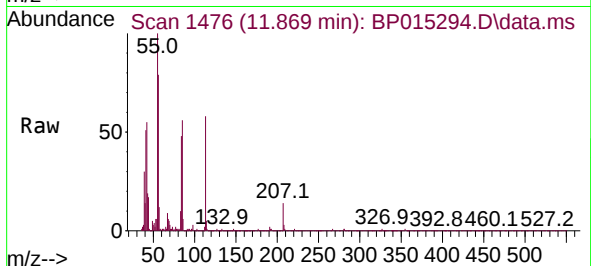
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.4
227	65.5	51.4	77.2





#35
Caprolactam
Concen: 5.364 ng
RT: 11.869 min Scan# 1480
Delta R.T. -0.024 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

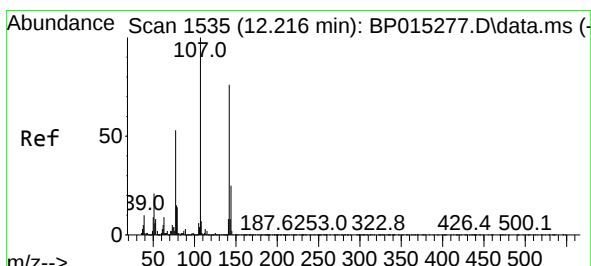
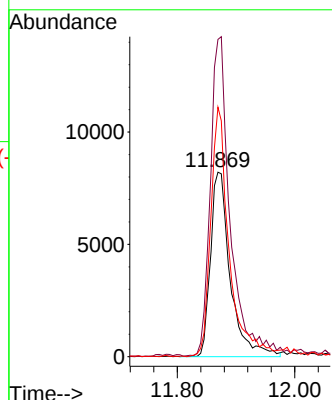
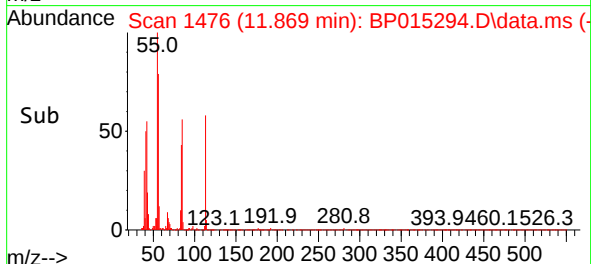
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:113 Resp: 19184
Ion Ratio Lower Upper
113 100
55 172.0 141.4 181.4
56 135.2 102.5 142.5

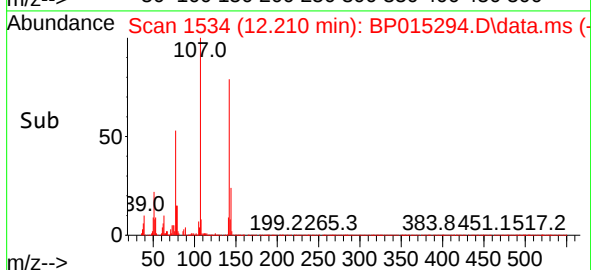
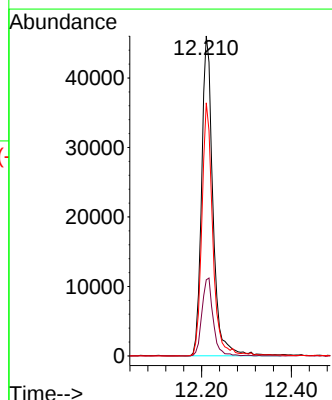
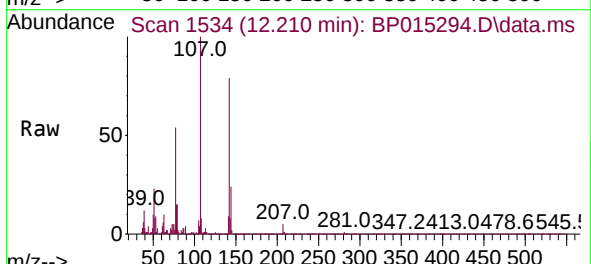
Manual Integrations
APPROVED

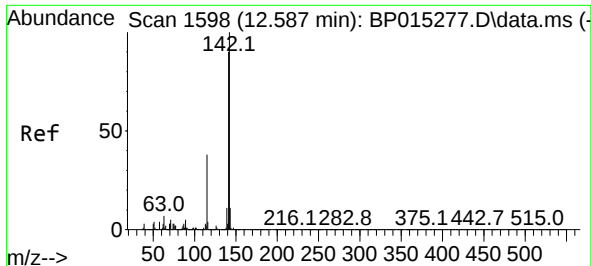
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#36
4-Chloro-3-methylphenol
Concen: 6.366 ng
RT: 12.210 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:107 Resp: 80627
Ion Ratio Lower Upper
107 100
144 23.8 19.8 29.6
142 79.1 61.0 91.4





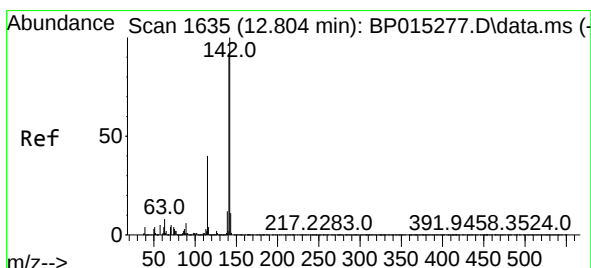
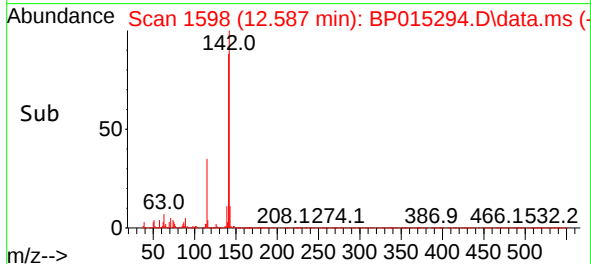
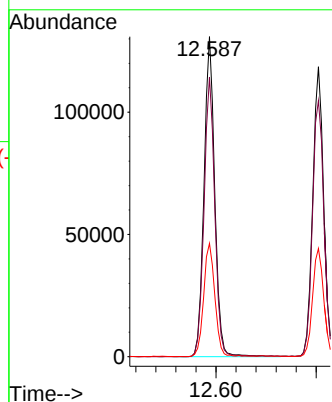
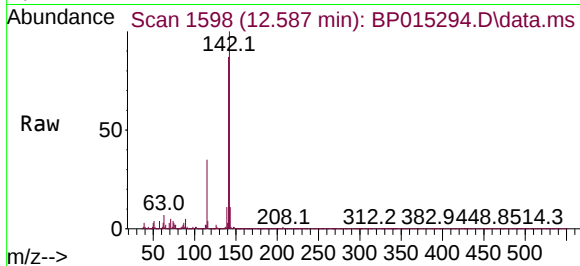
#37
2-Methylnaphthalene
Concen: 6.921 ng
RT: 12.587 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:142 Resp: 19394
Ion Ratio Lower Upper
142 100
141 87.4 72.0 108.0
115 35.4 30.6 46.0

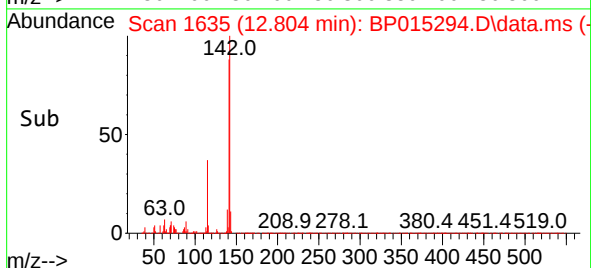
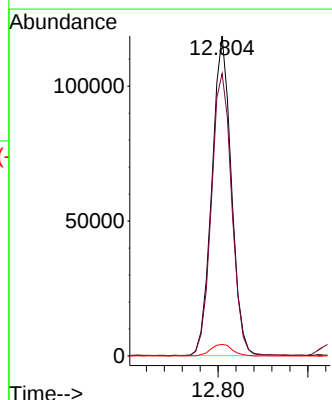
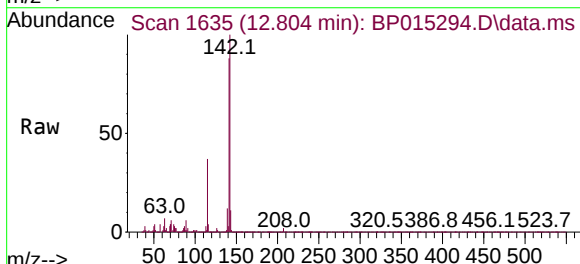
Manual Integrations
APPROVED

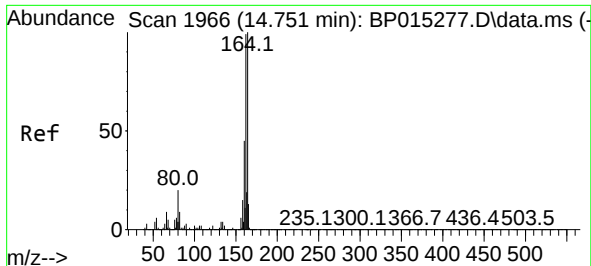
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#38
1-Methylnaphthalene
Concen: 6.810 ng
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

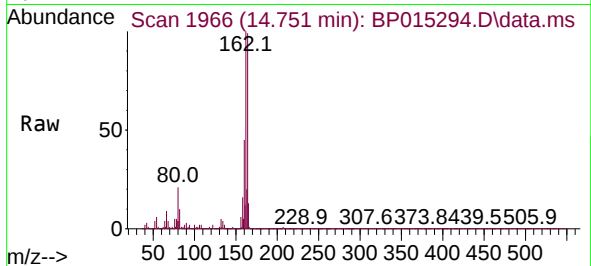
Tgt Ion:142 Resp: 178046
Ion Ratio Lower Upper
142 100
141 88.3 73.8 110.6
116 3.6 3.4 5.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.751 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

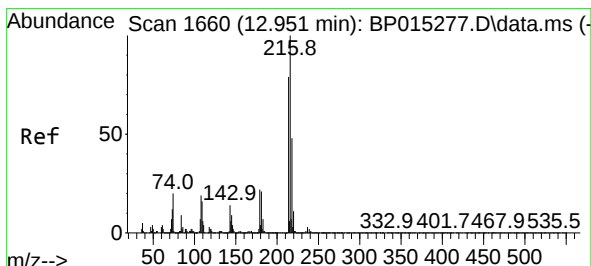
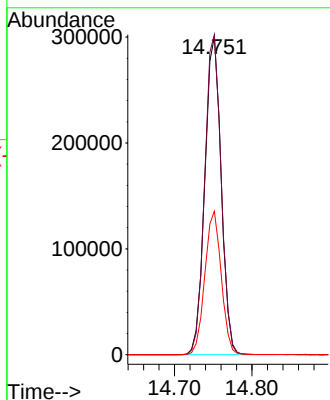
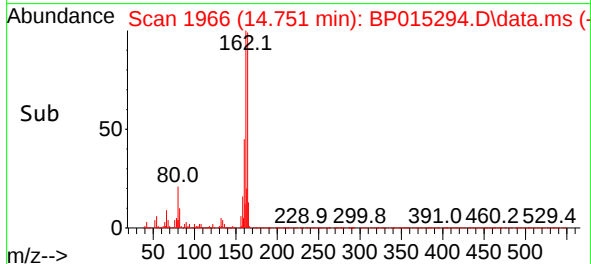
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



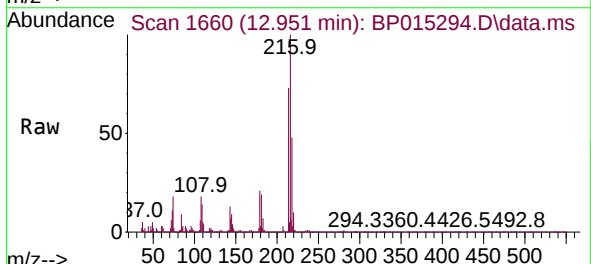
Tgt Ion:164 Resp: 438288
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.2
160 45.1 35.6 53.4

Manual Integrations
APPROVED

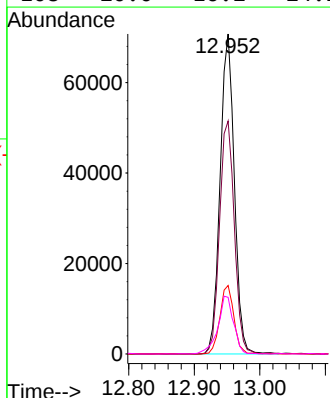
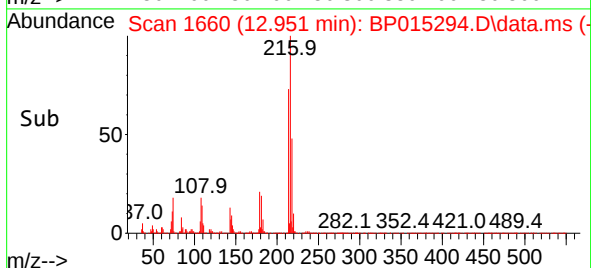
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

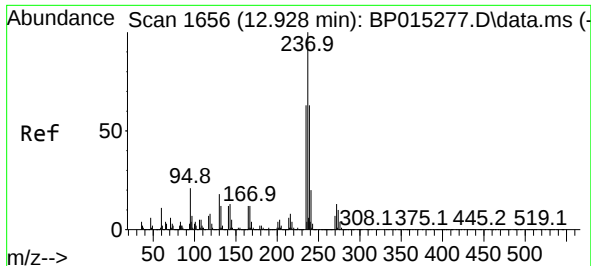


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.372 ng
RT: 12.951 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



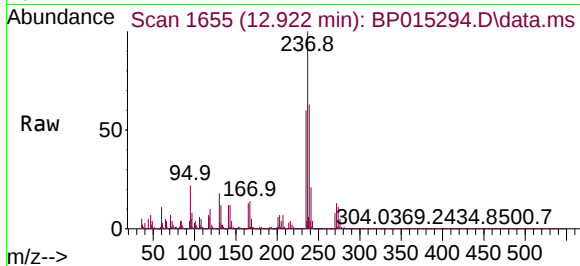
Tgt Ion:216 Resp: 106013
Ion Ratio Lower Upper
216 100
214 75.7 63.0 94.4
179 21.1 17.3 25.9
108 20.0 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 6.837 ng
RT: 12.922 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

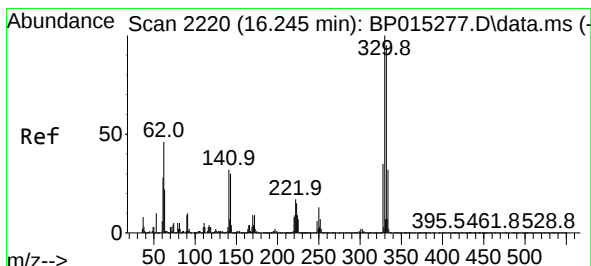
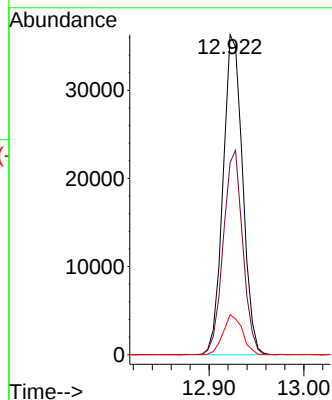
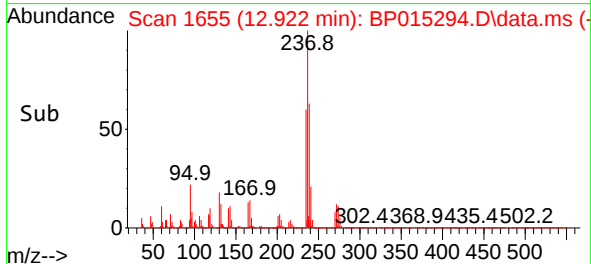
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion: 237 Resp: 5207
Ion Ratio Lower Upper
237 100
235 60.1 43.2 83.2
272 12.5 0.0 32.7

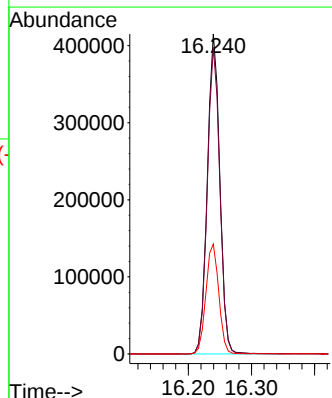
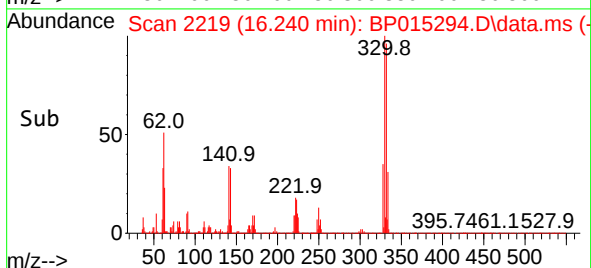
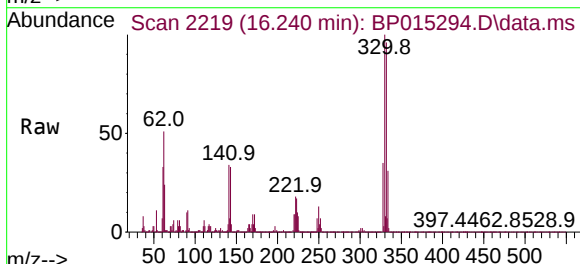
Manual Integrations
APPROVED

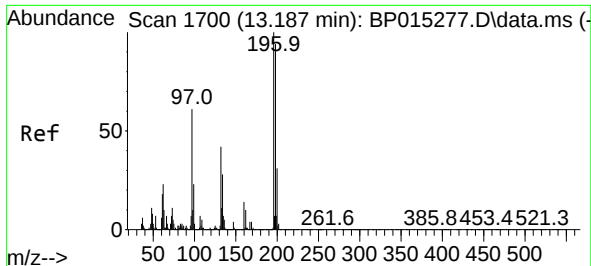
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023



#42
2,4,6-Tribromophenol
Concen: 95.802 ng
RT: 16.240 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

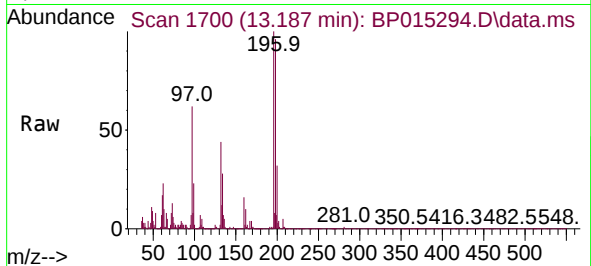
Tgt Ion: 330 Resp: 570603
Ion Ratio Lower Upper
330 100
332 96.2 76.3 114.5
141 35.5 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 6.403 ng
RT: 13.187 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

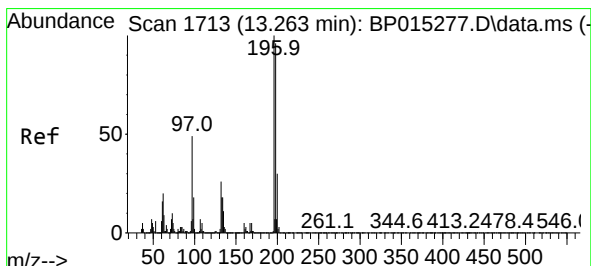
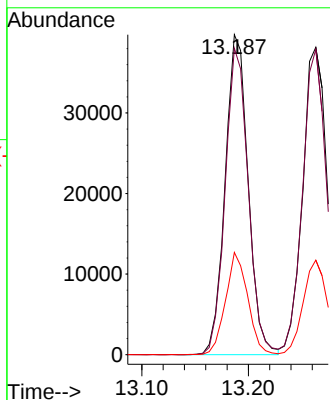
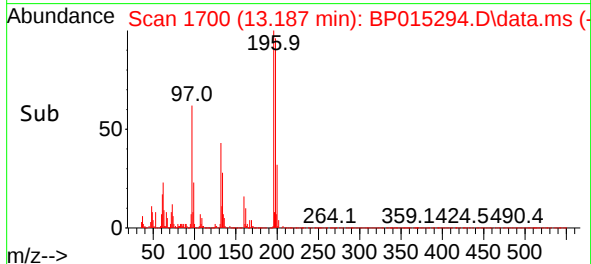
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



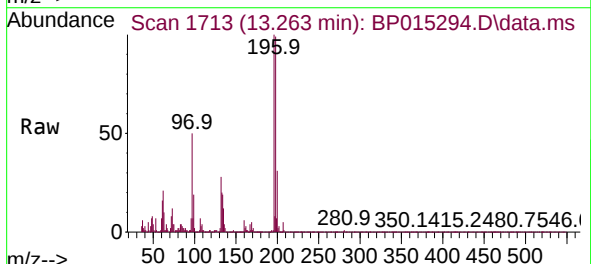
Tgt Ion:196 Resp: 59774
Ion Ratio Lower Upper
196 100
198 95.8 75.0 112.4
200 31.9 24.4 36.6

Manual Integrations
APPROVED

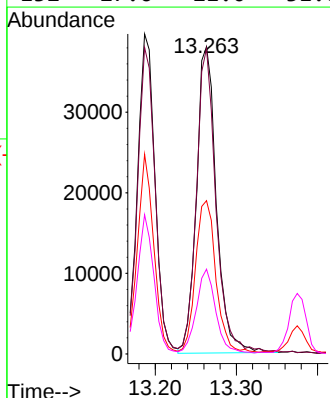
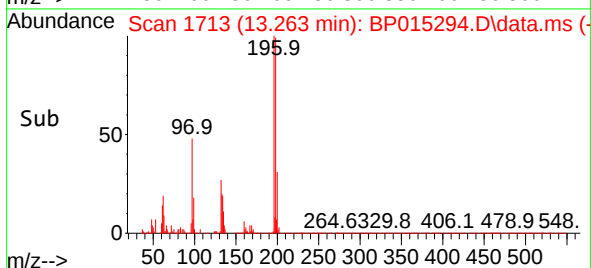
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

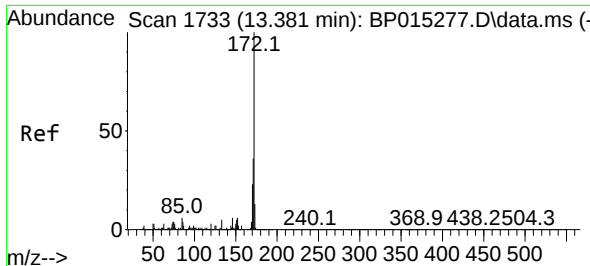


#44
2,4,5-Trichlorophenol
Concen: 5.922 ng
RT: 13.263 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



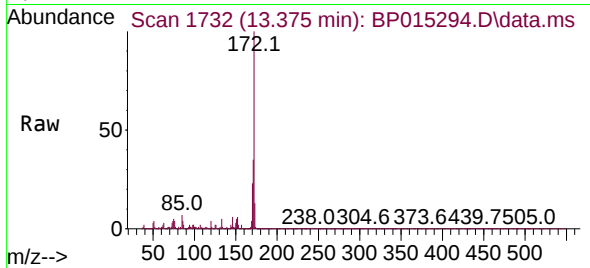
Tgt Ion:196 Resp: 64989
Ion Ratio Lower Upper
196 100
198 99.4 76.8 115.2
97 49.9 39.3 58.9
132 27.6 21.0 31.6





#45
2-Fluorobiphenyl
Concen: 69.021 ng
RT: 13.375 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

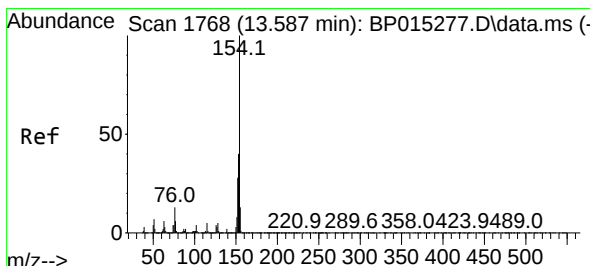
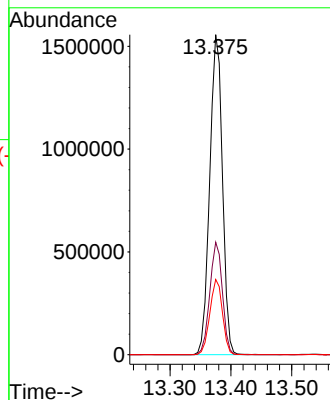
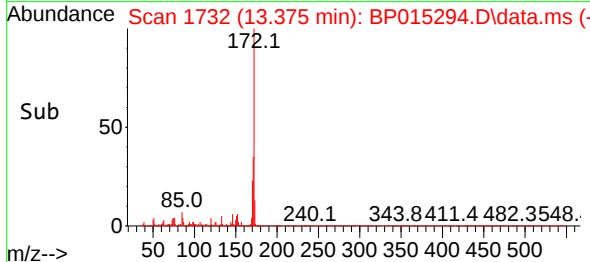
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:172 Resp: 2253260
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.5 18.7 28.1

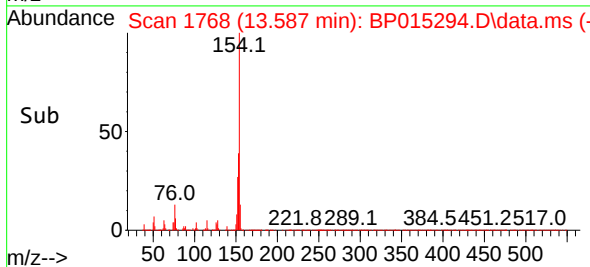
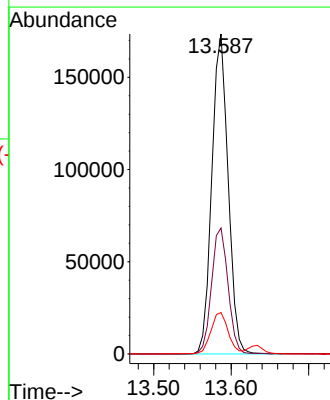
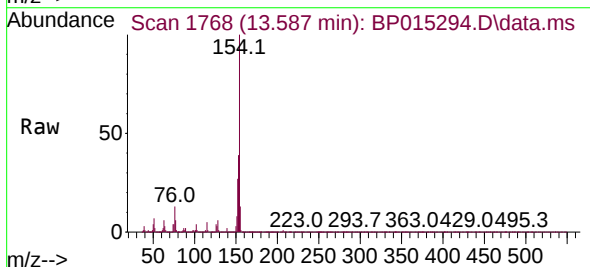
Manual Integrations
APPROVED

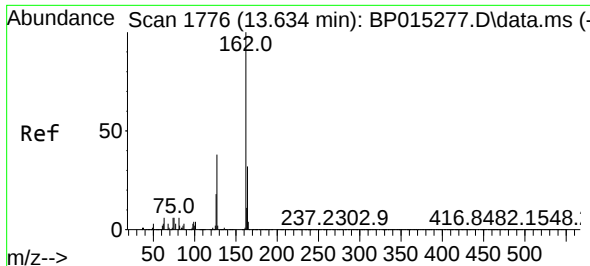
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#46
1,1'-Biphenyl
Concen: 7.285 ng
RT: 13.587 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:154 Resp: 252966
Ion Ratio Lower Upper
154 100
153 39.4 20.3 60.3
76 13.0 0.0 33.1





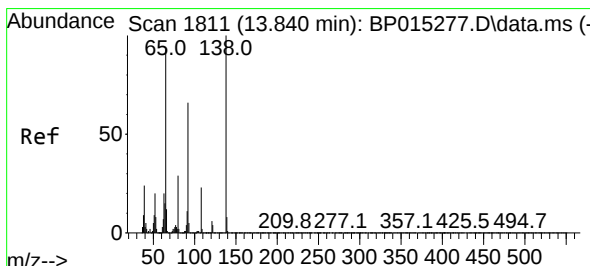
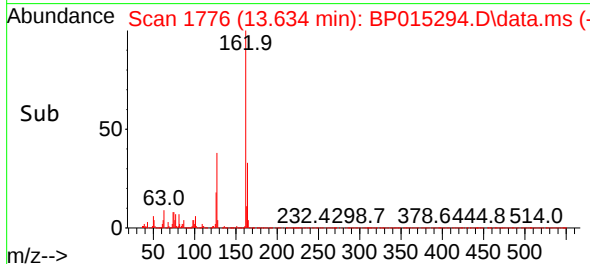
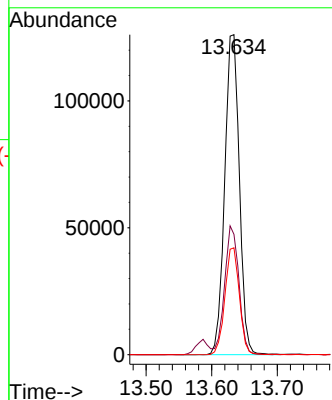
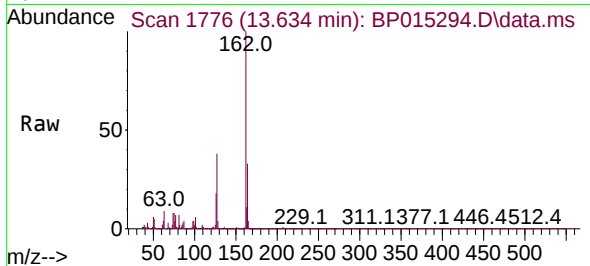
#47
2-Chloronaphthalene
Concen: 7.430 ng
RT: 13.634 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:162 Resp: 194629
Ion Ratio Lower Upper
162 100
127 37.6 31.7 47.5
164 33.4 25.8 38.8

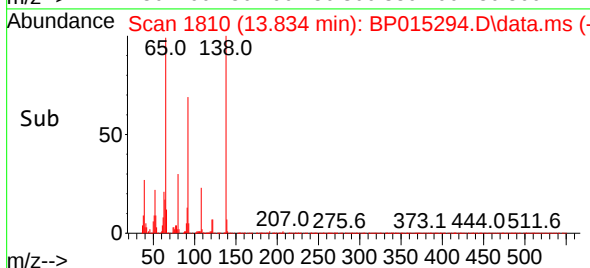
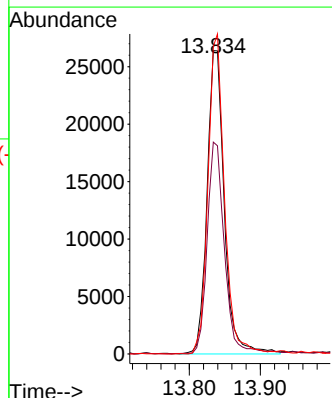
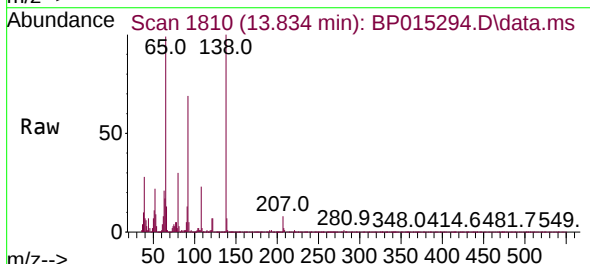
Manual Integrations
APPROVED

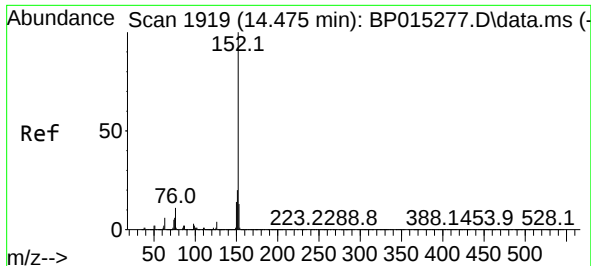
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#48
2-Nitroaniline
Concen: 5.570 ng
RT: 13.834 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

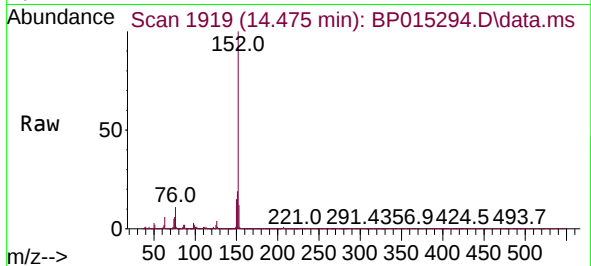
Tgt Ion: 65 Resp: 44577
Ion Ratio Lower Upper
65 100
92 69.8 56.5 84.7
138 101.3 85.7 128.5





#49
Acenaphthylene
Concen: 6.783 ng
RT: 14.475 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

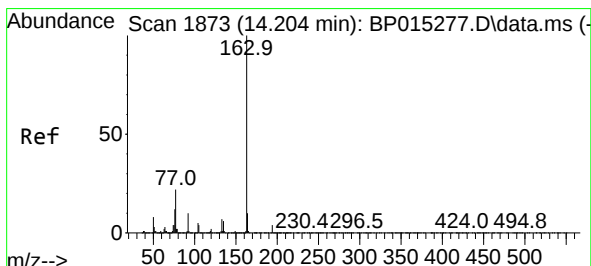
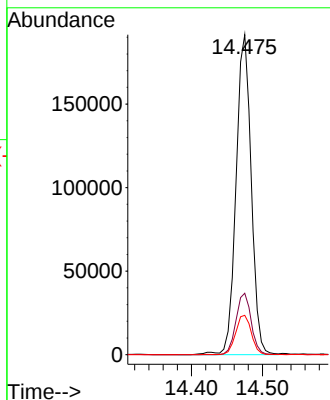
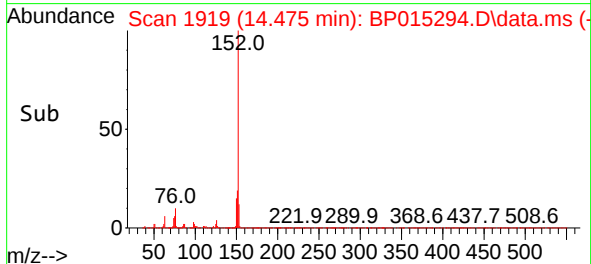
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



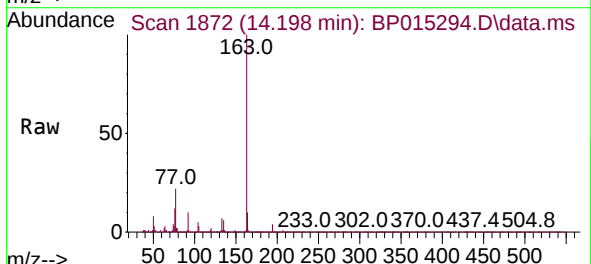
Tgt Ion:152 Resp: 284338
Ion Ratio Lower Upper
152 100
151 19.2 16.0 24.0
153 12.3 10.6 16.0

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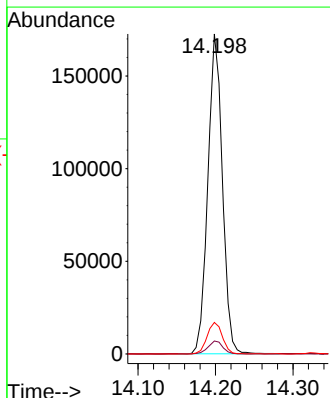
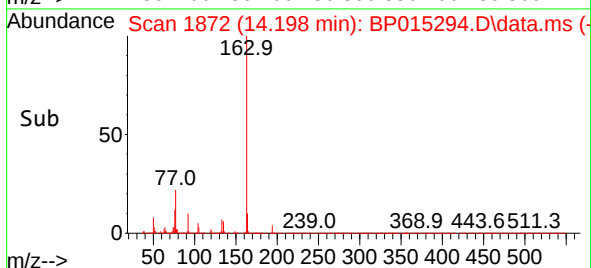
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

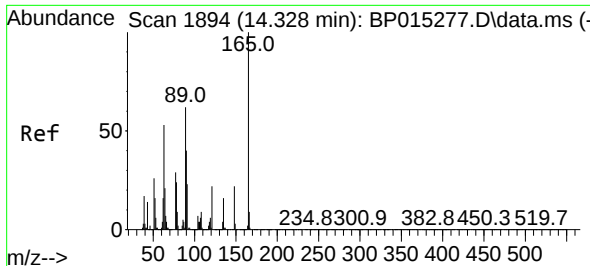


#50
Dimethylphthalate
Concen: 6.559 ng
RT: 14.198 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



Tgt Ion:163 Resp: 224908
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 9.9 8.2 12.4





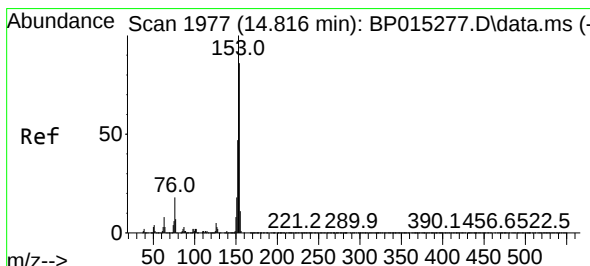
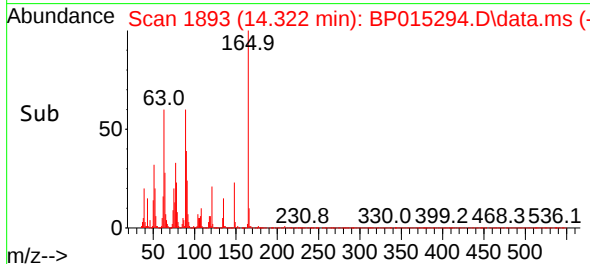
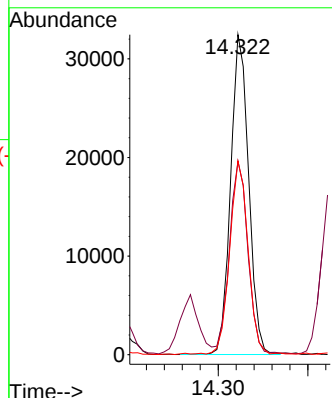
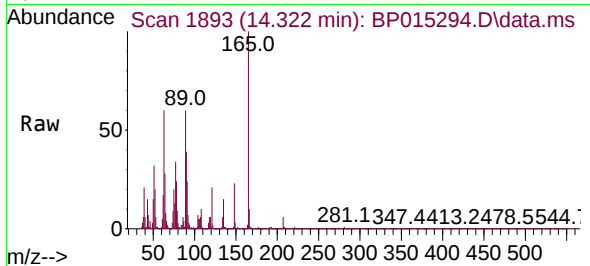
#51
2,6-Dinitrotoluene
Concen: 6.244 ng
RT: 14.322 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:165 Resp: 4520
Ion Ratio Lower Upper
165 100
63 60.5 46.6 70.0
89 60.5 49.7 74.5

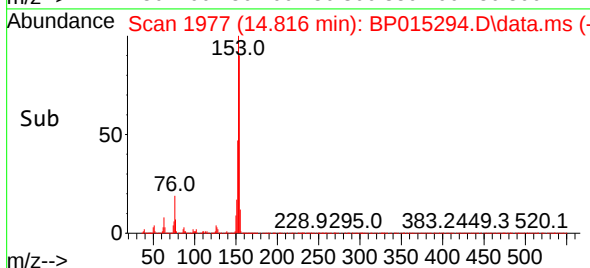
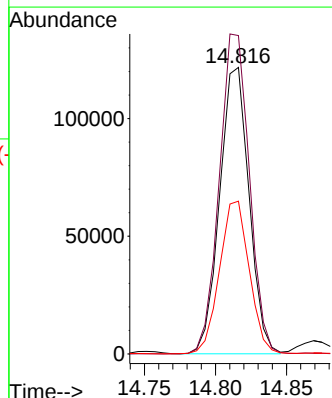
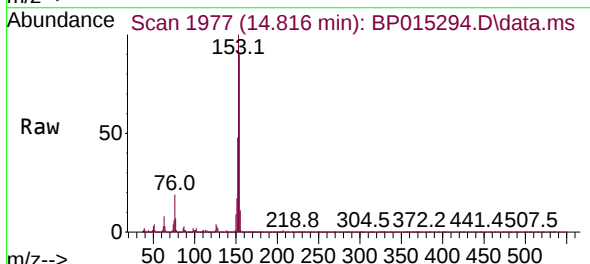
Manual Integrations
APPROVED

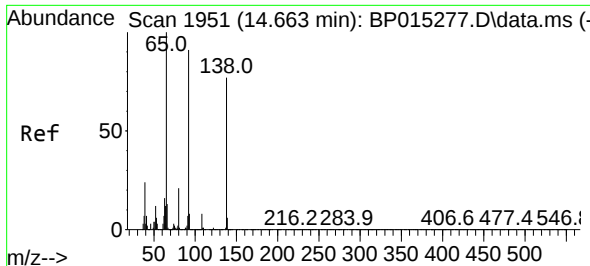
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#52
Acenaphthene
Concen: 7.016 ng
RT: 14.816 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:154 Resp: 175154
Ion Ratio Lower Upper
154 100
153 111.1 92.8 139.2
152 53.3 44.0 66.0





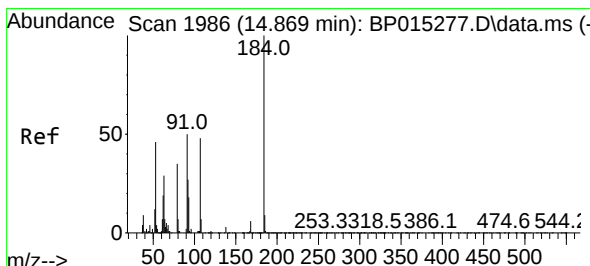
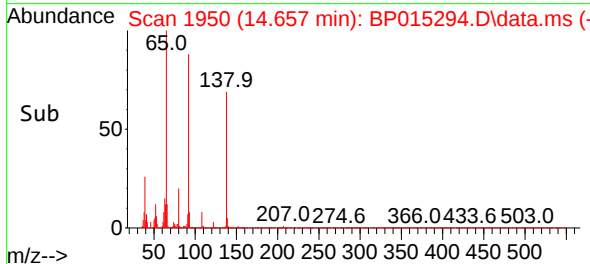
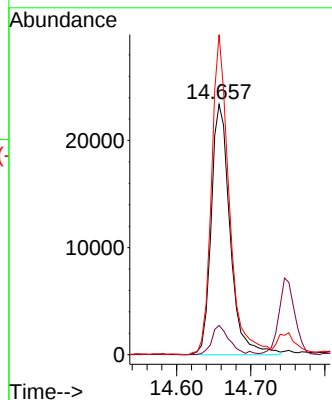
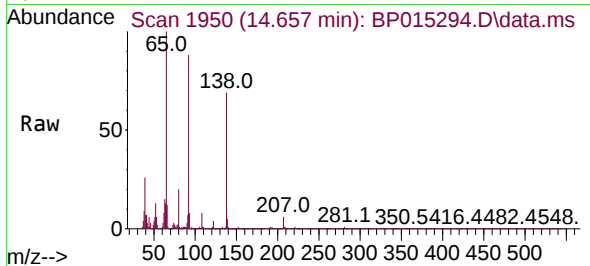
#53
3-Nitroaniline
Concen: 5.569 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:138 Resp: 4120
Ion Ratio Lower Upper
138 100
108 11.7 8.6 13.0
92 127.9 94.0 141.0

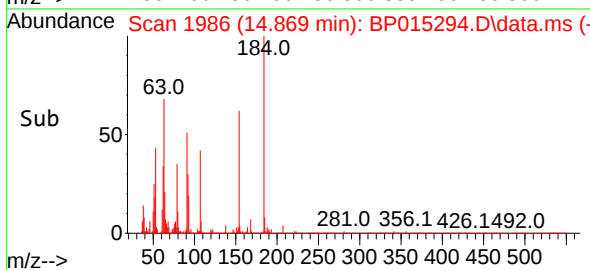
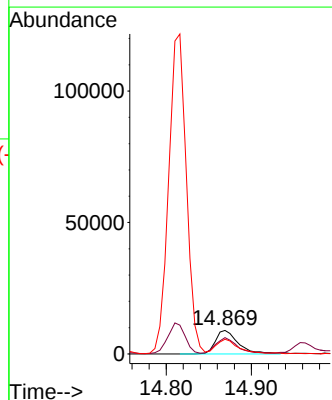
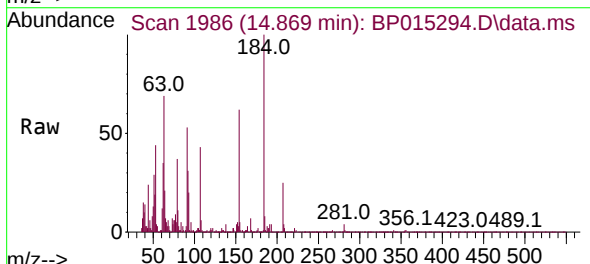
Manual Integrations
APPROVED

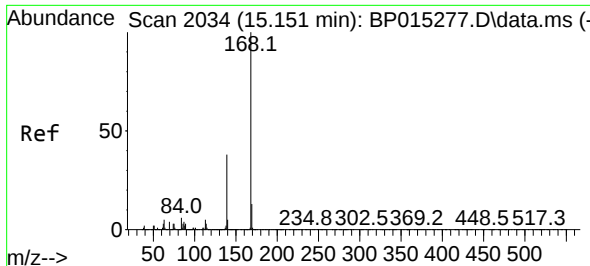
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#54
2,4-Dinitrophenol
Concen: 8.376 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

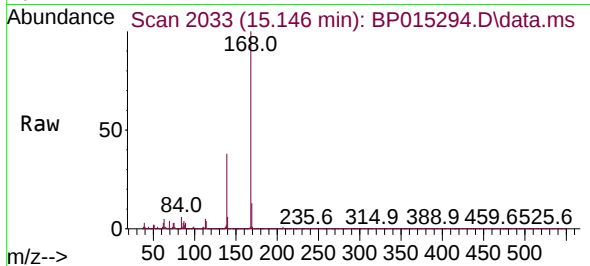
Tgt Ion:184 Resp: 16611
Ion Ratio Lower Upper
184 100
63 69.3 56.2 84.4
154 62.5 53.2 79.8





#55
Dibenzenofuran
Concen: 7.020 ng
RT: 15.146 min Scan# 2034
Delta R.T. -0.005 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

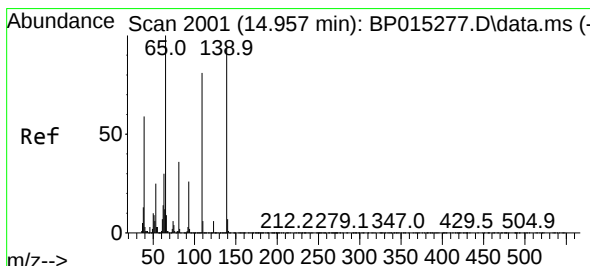
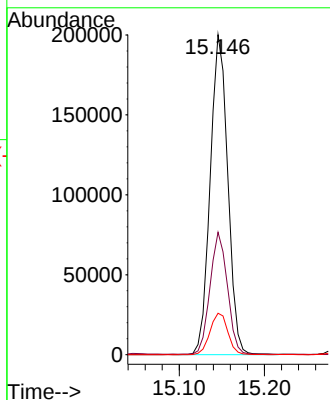
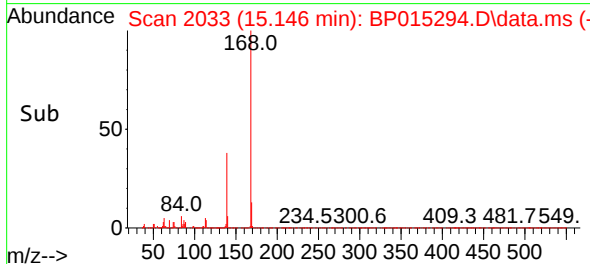
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:168 Resp: 286714
Ion Ratio Lower Upper
168 100
139 38.2 30.1 45.1
169 12.9 10.6 15.8

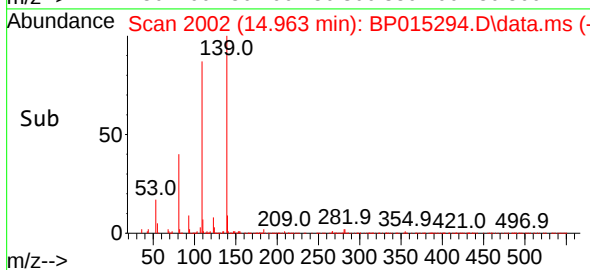
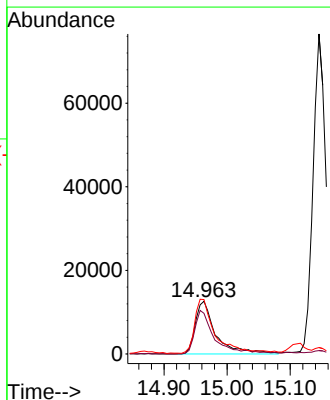
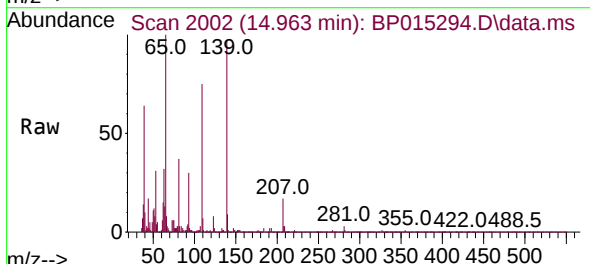
Manual Integrations
APPROVED

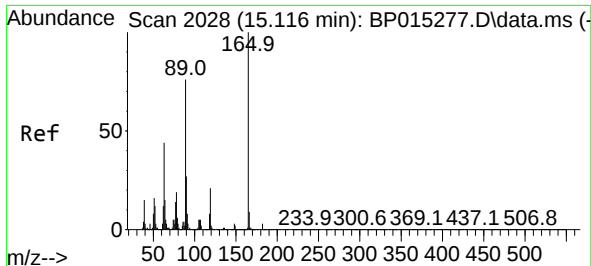
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#56
4-Nitrophenol
Concen: 7.636 ng
RT: 14.963 min Scan# 2002
Delta R.T. 0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

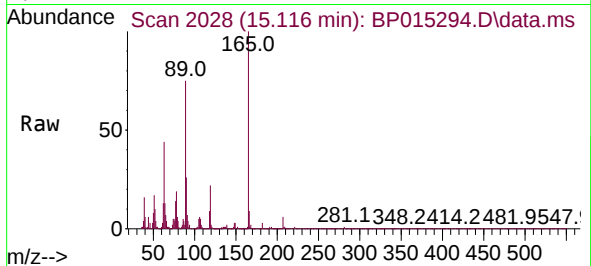
Tgt Ion:139 Resp: 28575
Ion Ratio Lower Upper
139 100
109 77.4 66.5 106.5
65 103.3 86.6 126.6





#57
2,4-Dinitrotoluene
Concen: 5.589 ng
RT: 15.116 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

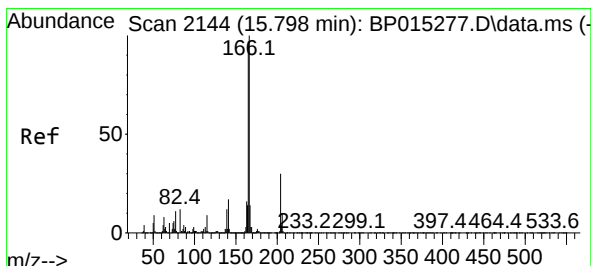
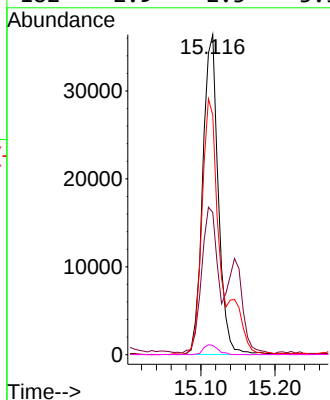
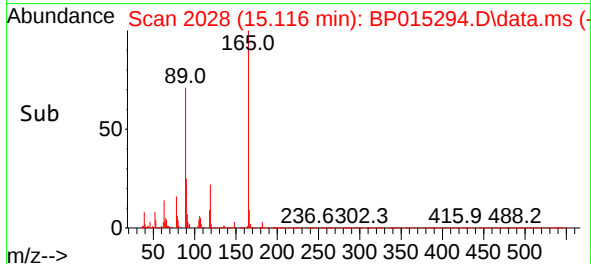
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:165 Resp: 53199
Ion Ratio Lower Upper
165 100
63 44.4 35.7 53.5
89 74.9 60.8 91.2
182 2.9 2.3 3.5

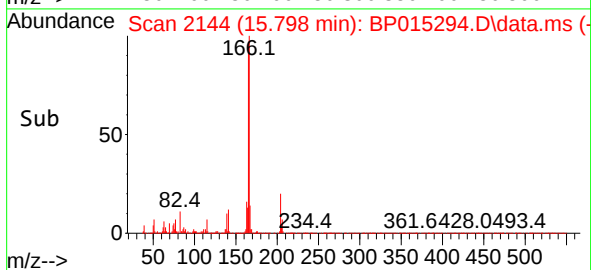
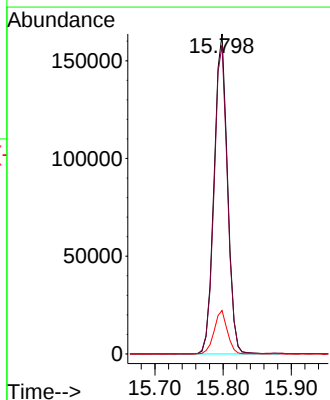
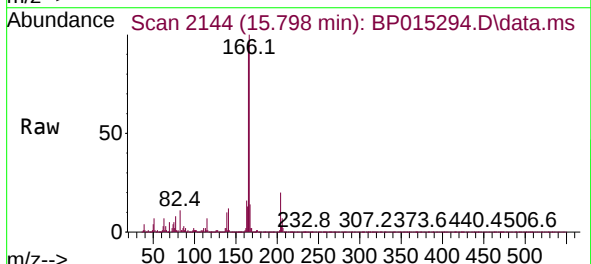
Manual Integrations
APPROVED

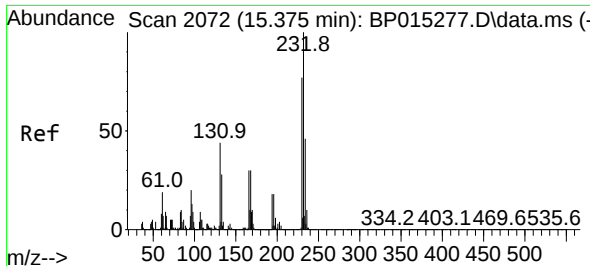
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#58
Fluorene
Concen: 7.096 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:166 Resp: 223827
Ion Ratio Lower Upper
166 100
165 96.5 77.5 116.3
167 13.6 10.9 16.3





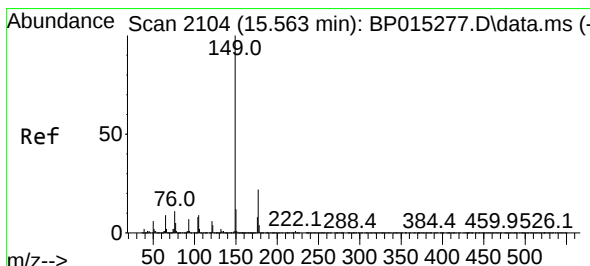
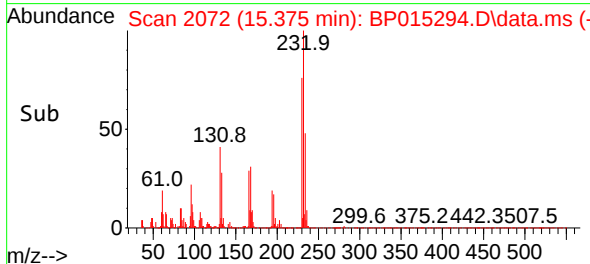
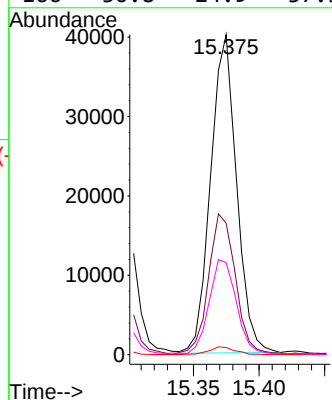
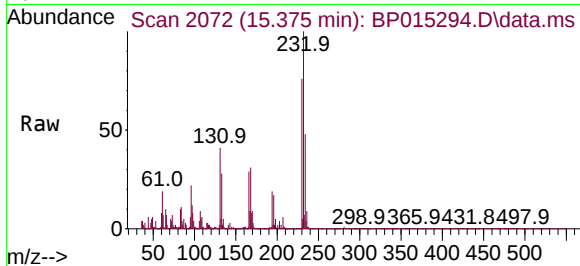
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.282 ng
RT: 15.375 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion	Ratio	Lower	Upper
232	100		
131	45.8	36.2	54.2
130	2.5	2.0	3.0
166	30.8	24.9	37.3

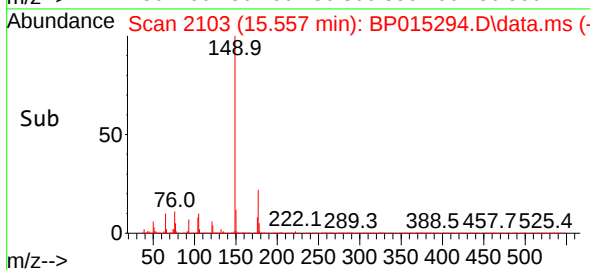
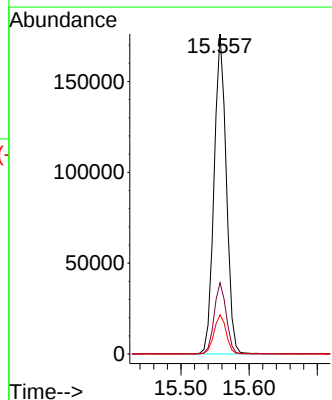
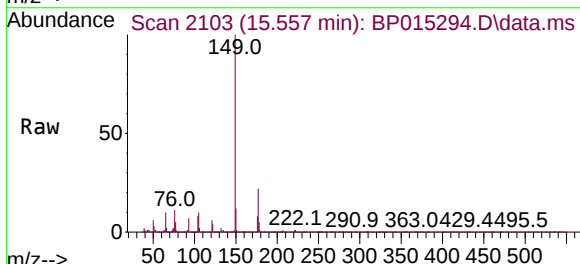
Manual Integrations
APPROVED

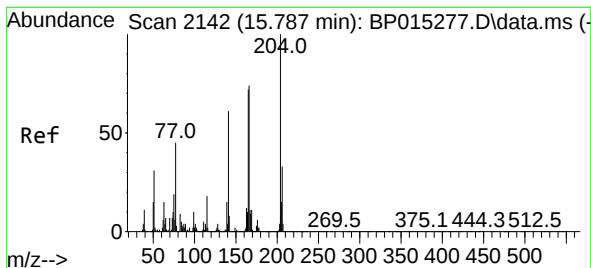
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#60
Diethylphthalate
Concen: 6.409 ng
RT: 15.557 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

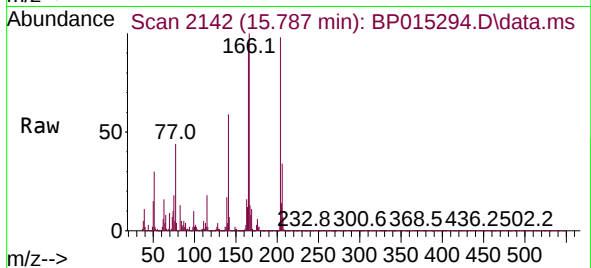
Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.7	26.5
150	12.3	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 7.048 ng
RT: 15.787 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

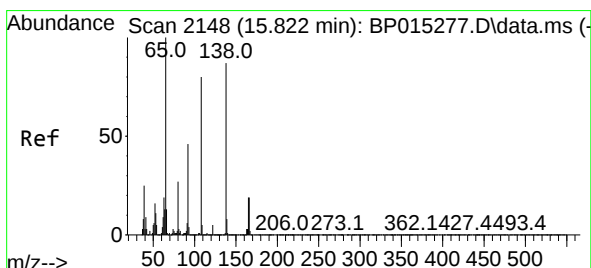
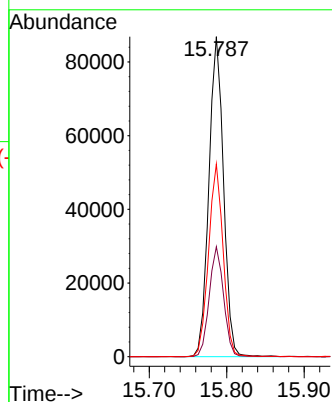
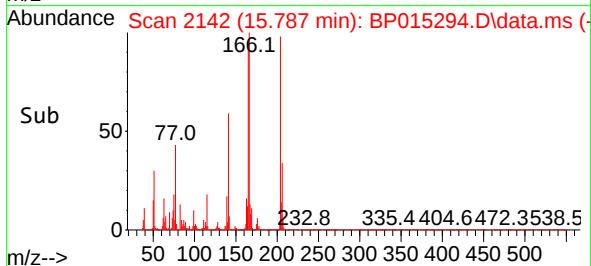
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



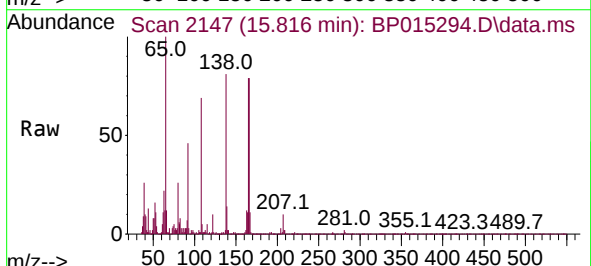
Tgt Ion: 204 Resp: 113824
Ion Ratio Lower Upper
204 100
206 34.3 26.4 39.6
141 60.2 49.0 73.4

Manual Integrations
APPROVED

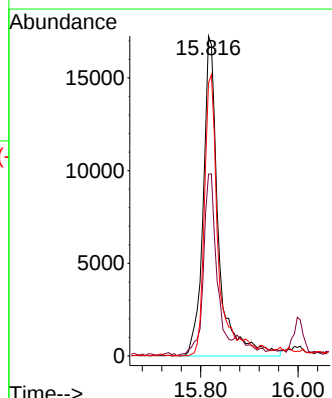
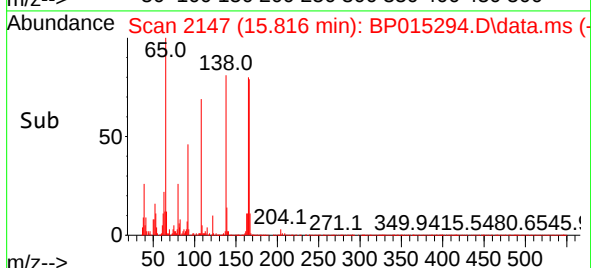
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023

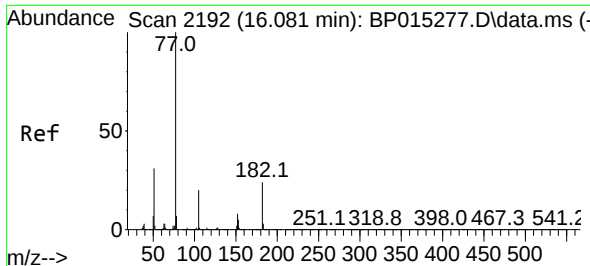


#62
4-Nitroaniline
Concen: 6.805 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31



Tgt Ion: 138 Resp: 37606
Ion Ratio Lower Upper
138 100
92 56.8 33.1 73.1
108 85.3 71.0 111.0





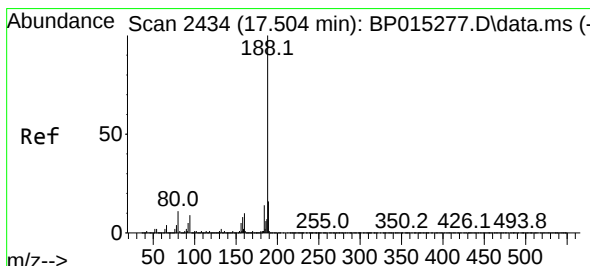
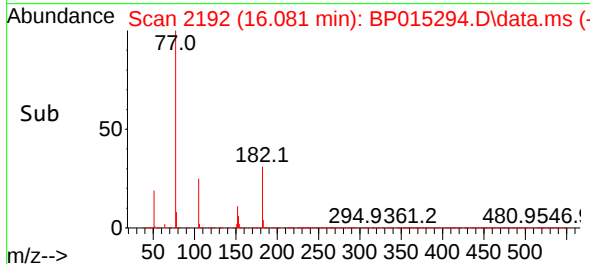
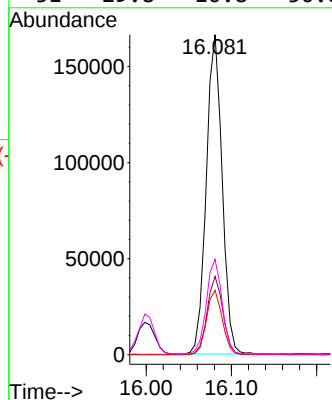
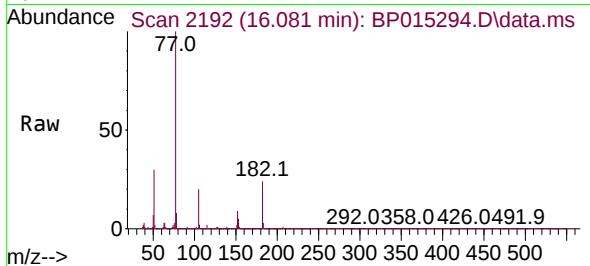
#63
Azobenzene
Concen: 6.599 ng
RT: 16.081 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion: 77 Resp: 215038
Ion Ratio Lower Upper
77 100
182 24.4 3.9 43.9
105 20.1 0.3 40.3
51 29.8 10.8 50.8

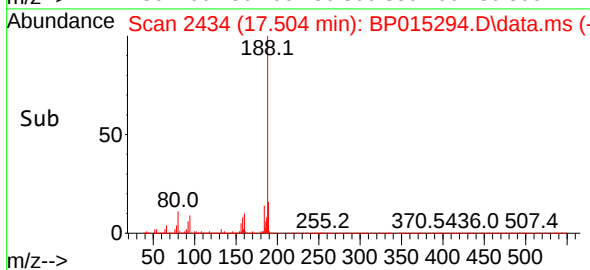
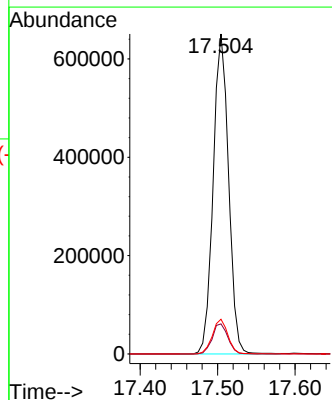
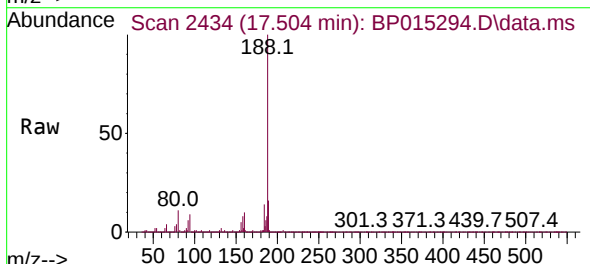
Manual Integrations
APPROVED

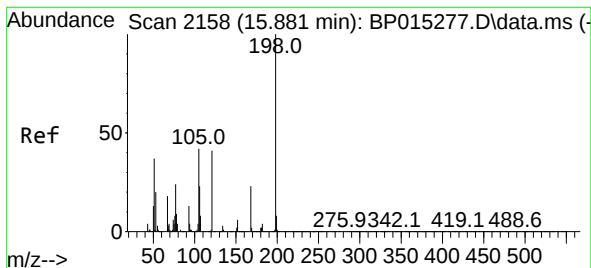
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2434
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:188 Resp: 898280
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.0
80 10.8 8.6 13.0





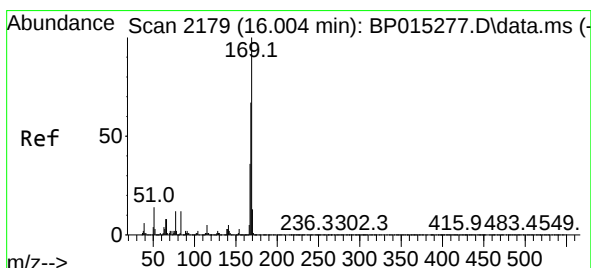
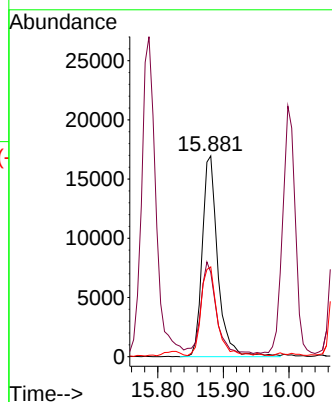
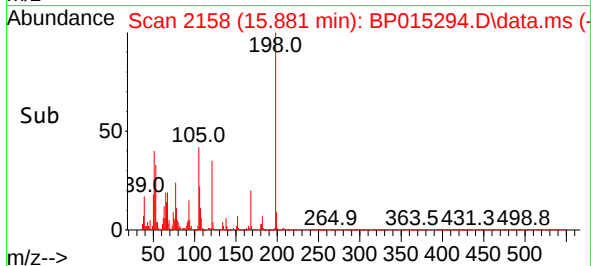
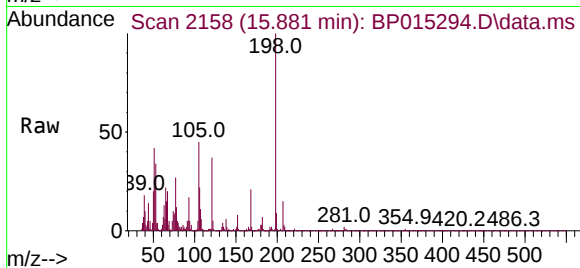
#65
4,6-Dinitro-2-methylphenol
Concen: 5.106 ng
RT: 15.881 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:198 Resp: 2785
Ion Ratio Lower Upper
198 100
51 42.0 25.4 65.4
105 44.7 23.3 63.3

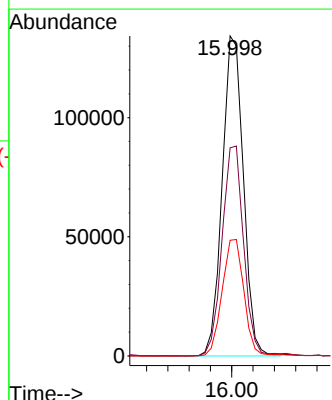
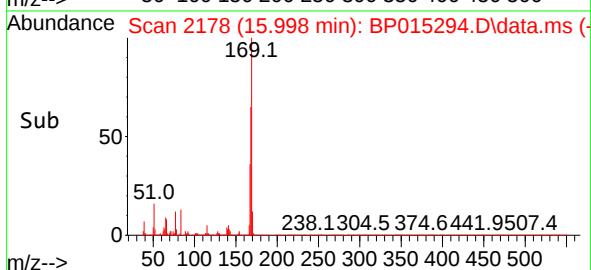
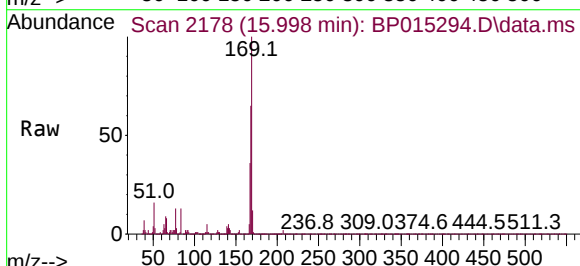
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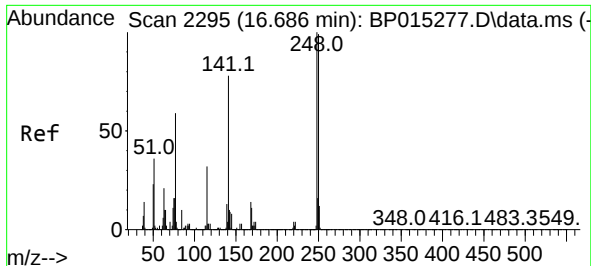
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#66
n-Nitrosodiphenylamine
Concen: 6.906 ng
RT: 15.998 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:169 Resp: 184859
Ion Ratio Lower Upper
169 100
168 65.1 53.4 80.2
167 36.2 29.0 43.6





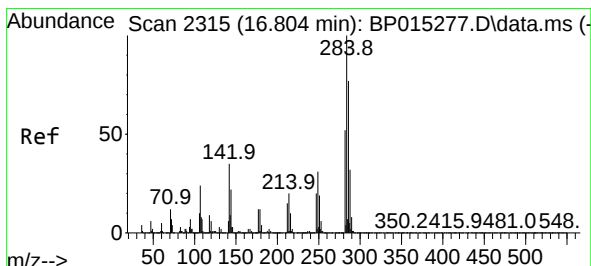
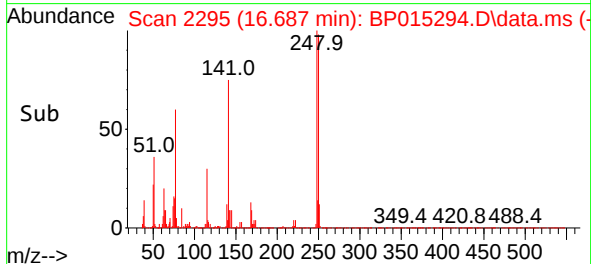
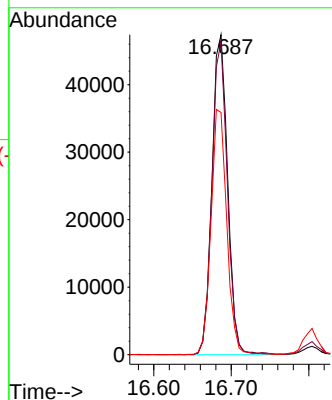
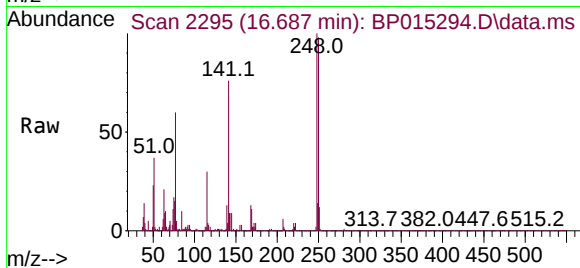
#67
4-Bromophenyl-phenylether
Concen: 6.880 ng
RT: 16.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:248 Resp: 6682
Ion Ratio Lower Upper
248 100
250 97.8 79.0 118.4
141 75.7 62.4 93.6

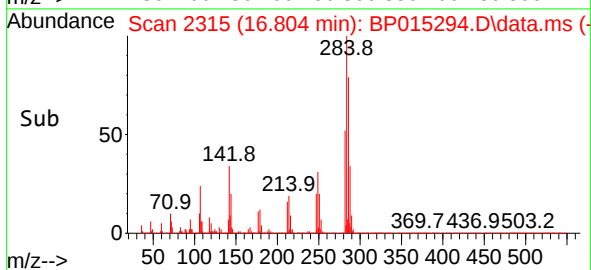
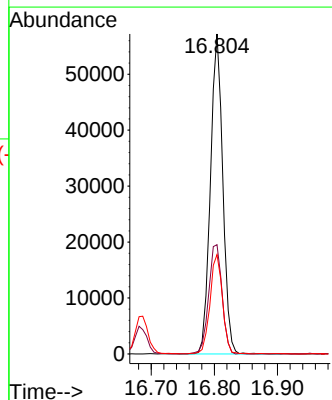
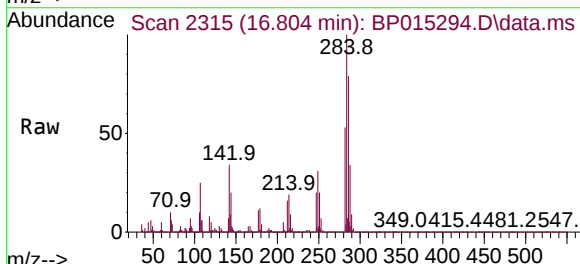
Manual Integrations
APPROVED

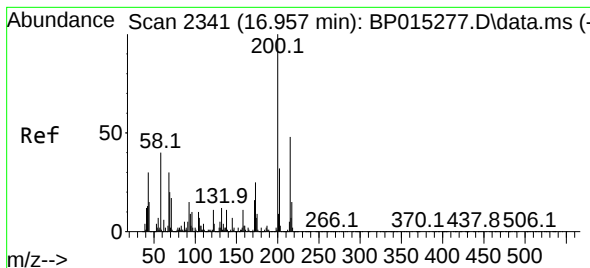
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#68
Hexachlorobenzene
Concen: 7.281 ng
RT: 16.804 min Scan# 2315
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:284 Resp: 77877
Ion Ratio Lower Upper
284 100
142 34.2 28.2 42.2
249 31.1 25.0 37.6





#69

Atrazine

Concen: 7.344 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

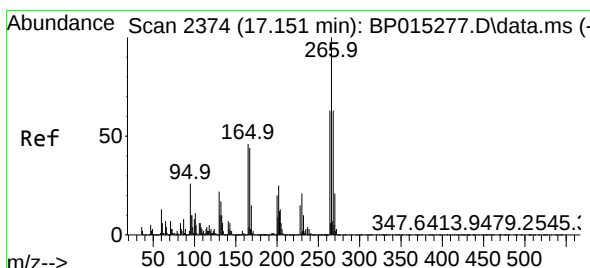
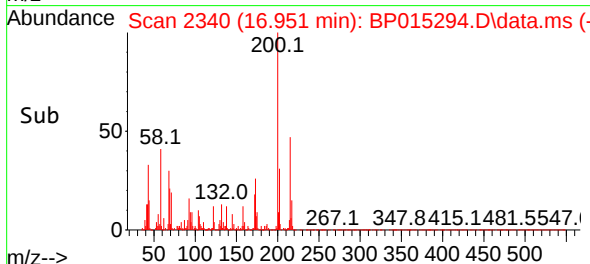
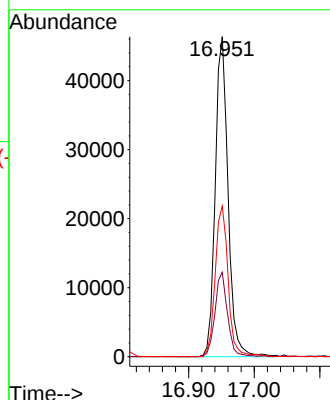
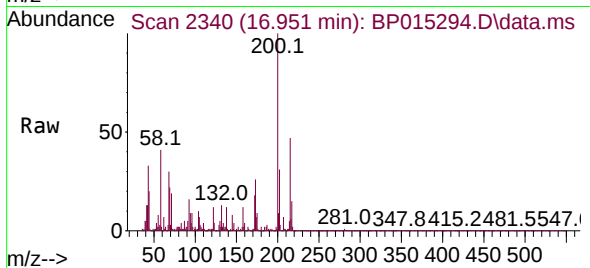
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:200 Resp: 6276
 Ion Ratio Lower Upper
 200 100
 173 26.4 4.7 44.7
 215 47.1 27.5 67.5

Manual Integrations

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



#70

Pentachlorophenol

Concen: 5.020 ng

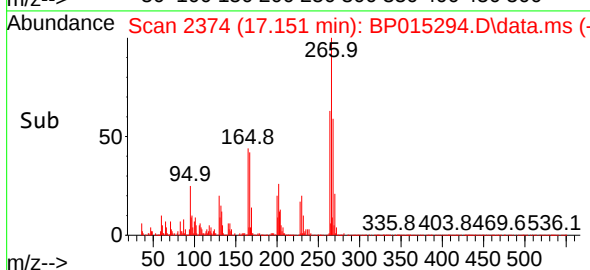
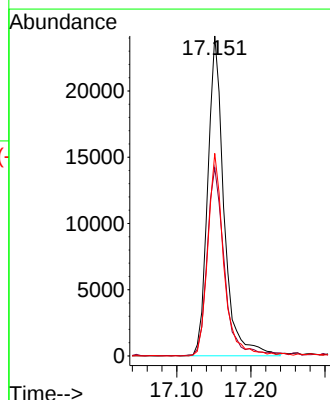
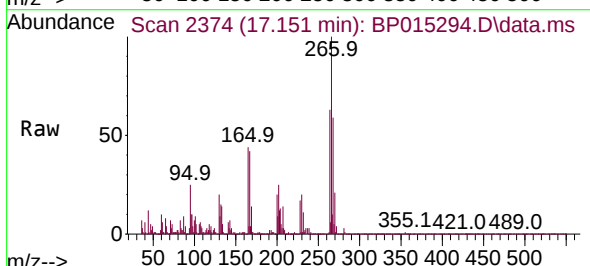
RT: 17.151 min Scan# 2374

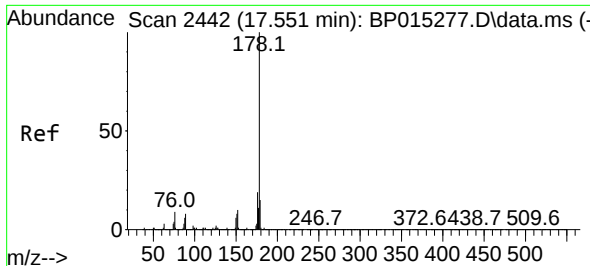
Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Tgt Ion:266 Resp: 36797
 Ion Ratio Lower Upper
 266 100
 268 58.9 50.0 75.0
 264 63.3 50.4 75.6





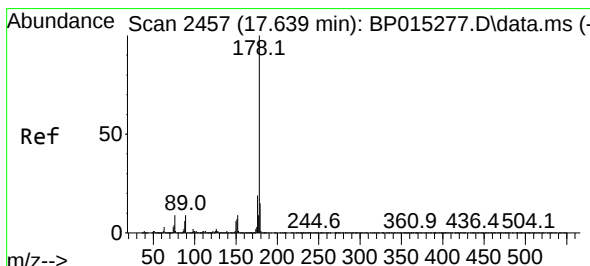
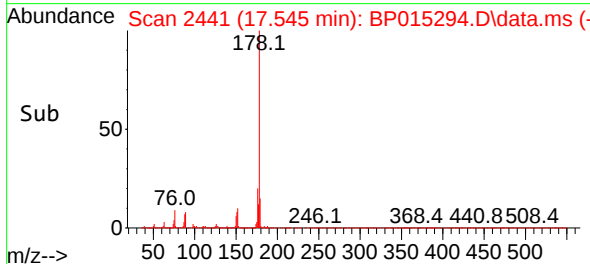
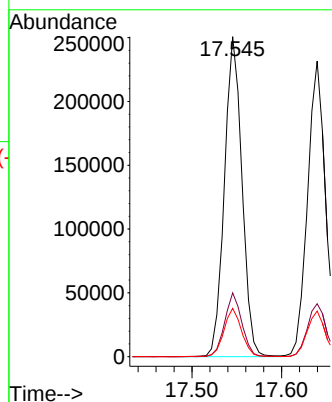
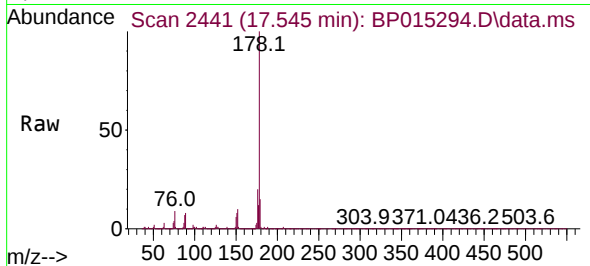
#71
Phenanthrene
Concen: 7.122 ng
RT: 17.545 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:178 Resp: 340950
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 15.1 12.3 18.5

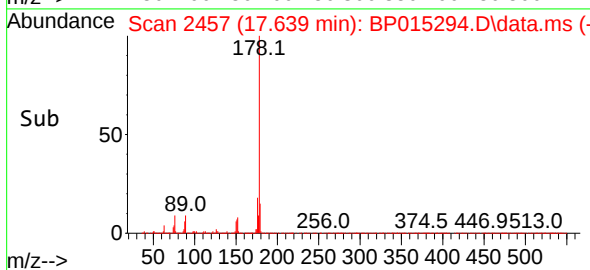
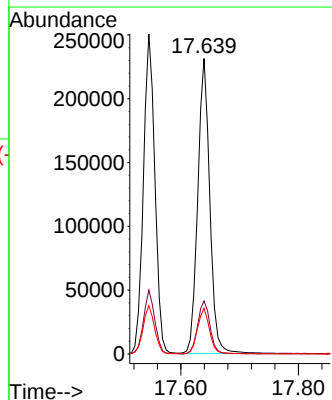
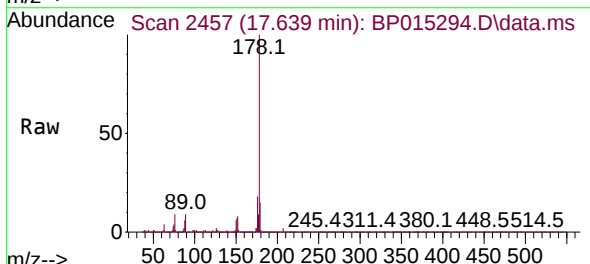
Manual Integrations
APPROVED

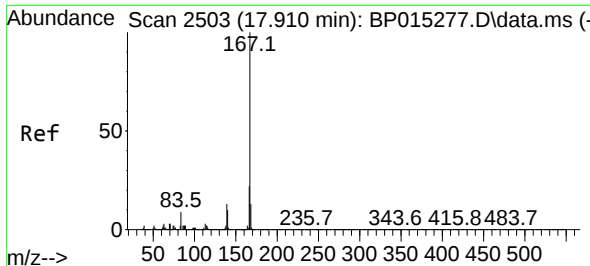
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#72
Anthracene
Concen: 6.862 ng
RT: 17.639 min Scan# 2457
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:178 Resp: 329007
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 15.4 12.2 18.4





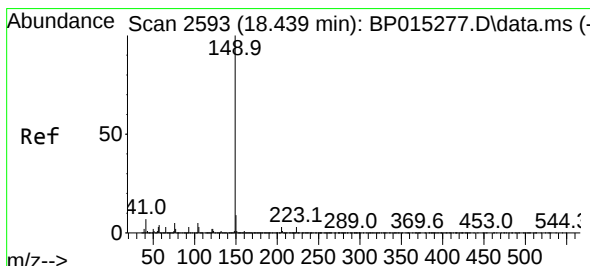
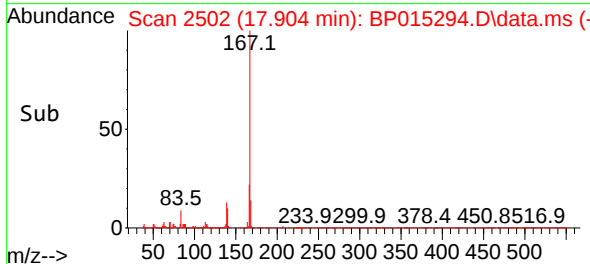
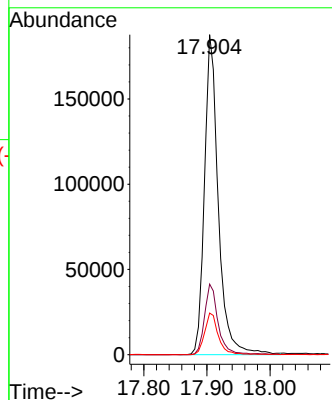
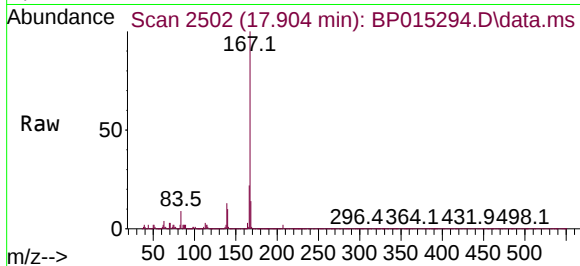
#73
Carbazole
Concen: 6.741 ng
RT: 17.904 min Scan# 2502
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

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

Tgt Ion:167 Resp: 28620
Ion Ratio Lower Upper
167 100
166 22.1 17.4 26.0
139 13.0 10.2 15.2

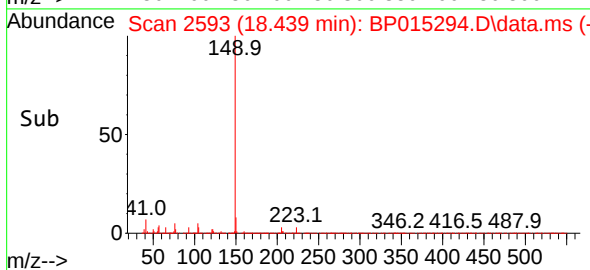
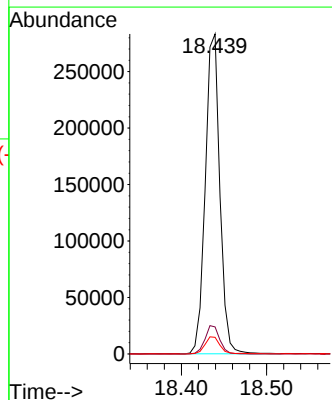
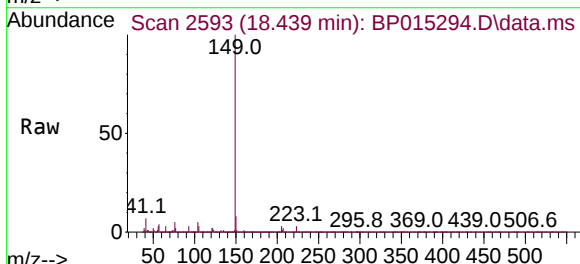
Manual Integrations
APPROVED

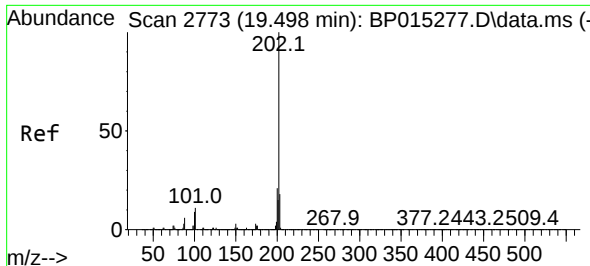
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#74
Di-n-butylphthalate
Concen: 6.146 ng
RT: 18.439 min Scan# 2593
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

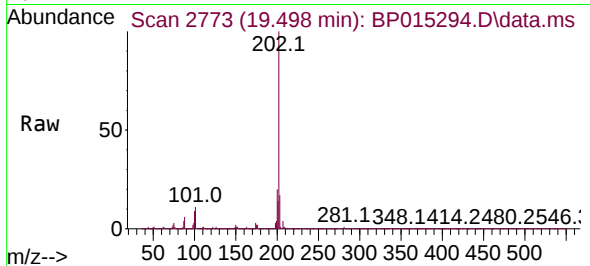
Tgt Ion:149 Resp: 335134
Ion Ratio Lower Upper
149 100
150 8.5 7.3 10.9
104 5.2 4.4 6.6





#75
Fluoranthene
Concen: 6.657 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

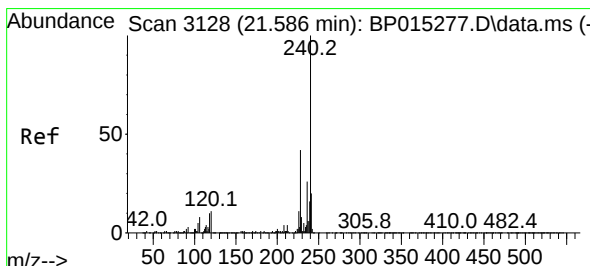
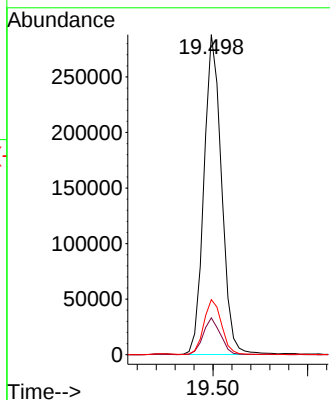
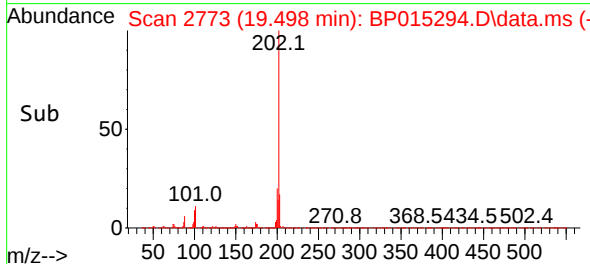
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:202 Resp: 372300
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 17.2 0.0 37.6

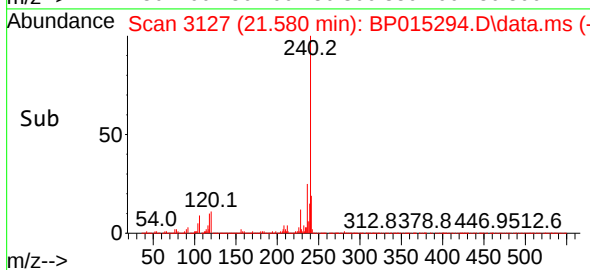
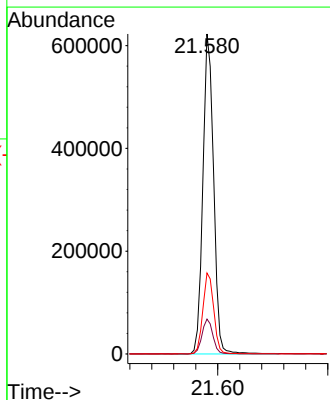
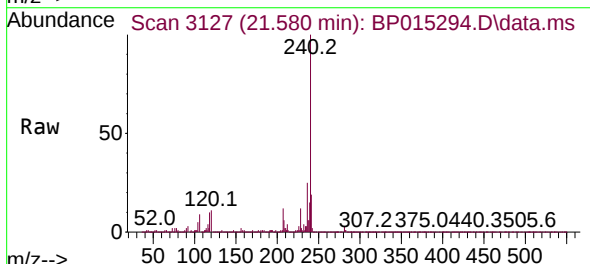
Manual Integrations
APPROVED

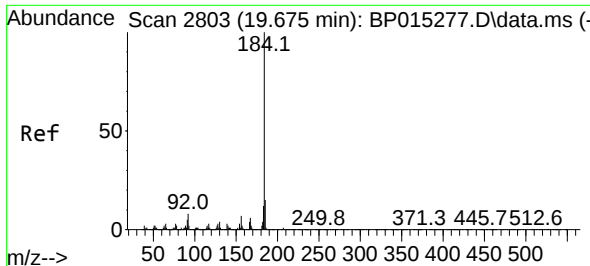
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

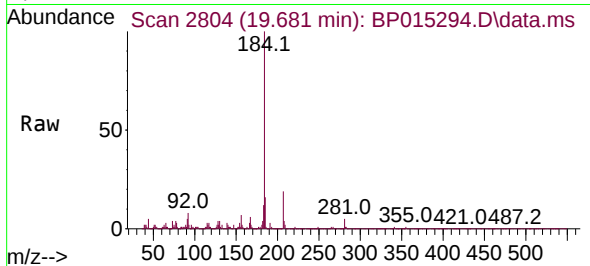
Tgt Ion:240 Resp: 845083
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 25.3 20.5 30.7





#77
Benzidine
Concen: 11.145 ng
RT: 19.681 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

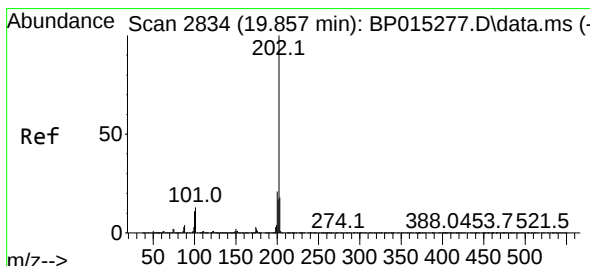
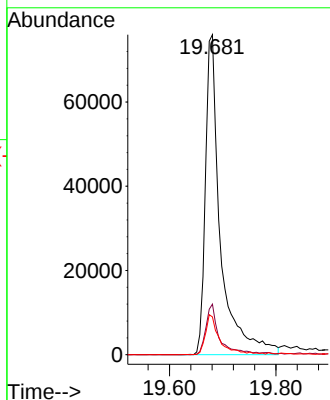
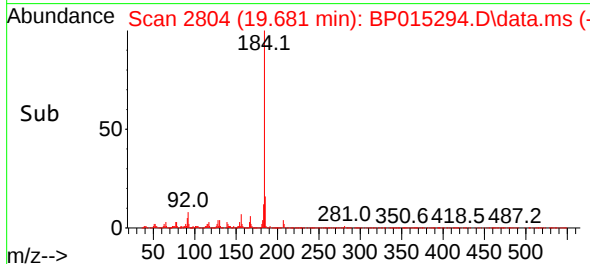
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:184 Resp: 149140
Ion Ratio Lower Upper
184 100
185 15.8 11.6 17.4
183 11.8 9.4 14.0

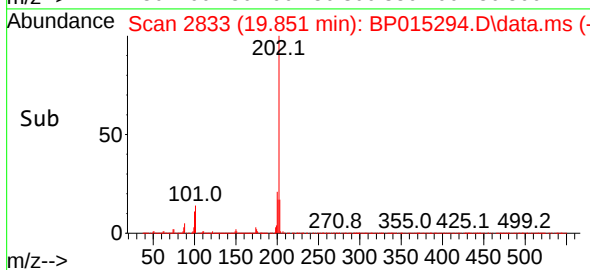
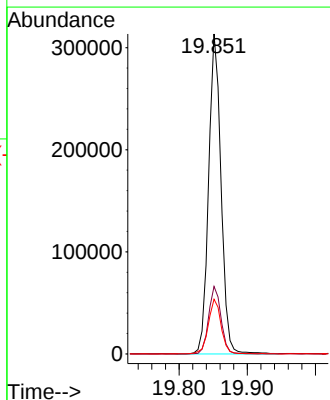
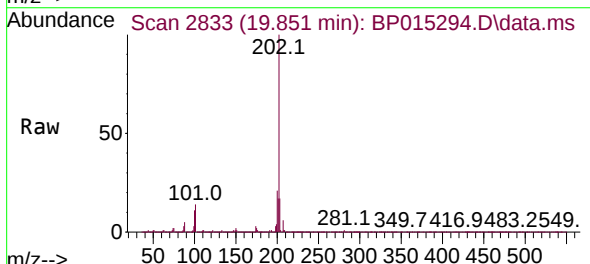
Manual Integrations
APPROVED

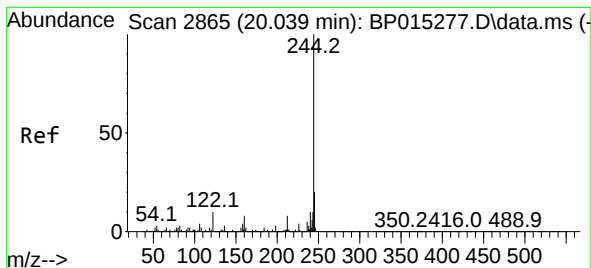
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#78
Pyrene
Concen: 6.561 ng
RT: 19.851 min Scan# 2833
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:202 Resp: 396703
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 65.687 ng

RT: 20.039 min Scan# 2865

Delta R.T. 0.000 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

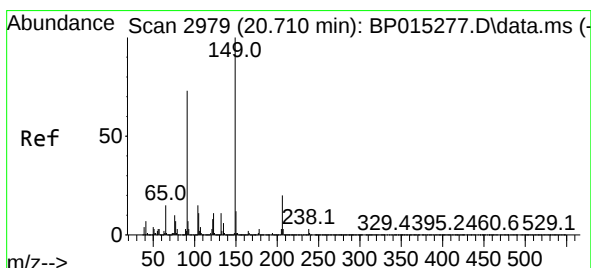
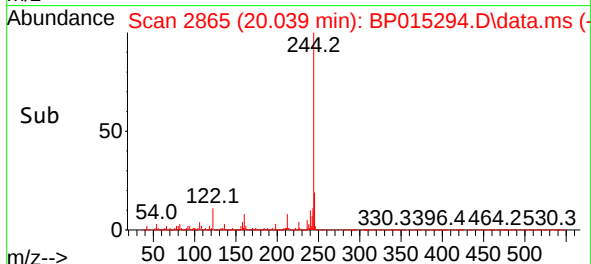
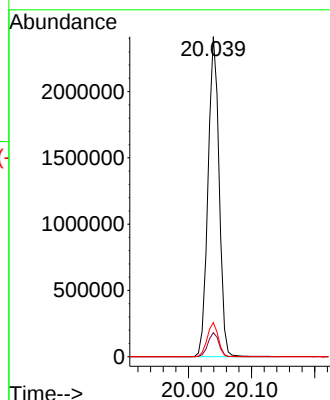
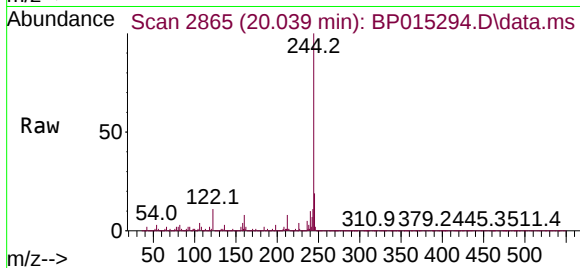
Tgt Ion:244 Resp: 295118

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	10.7	8.2	12.4

Manual Integrations

APPROVED

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



#80

Butylbenzylphthalate

Concen: 5.491 ng

RT: 20.710 min Scan# 2979

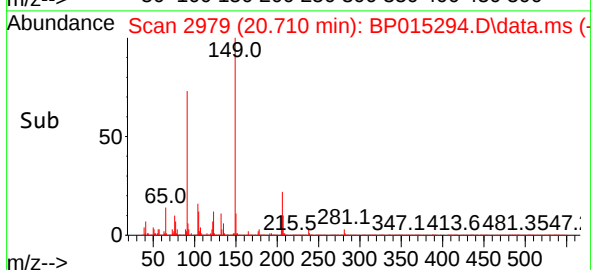
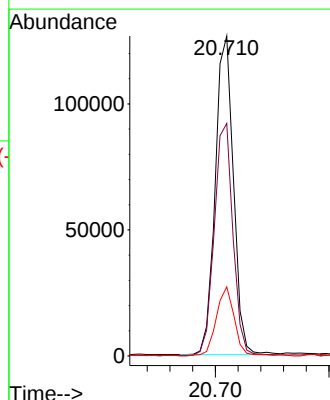
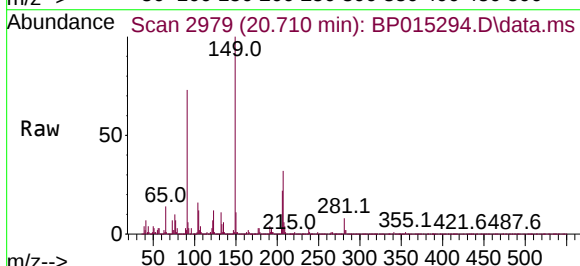
Delta R.T. 0.000 min

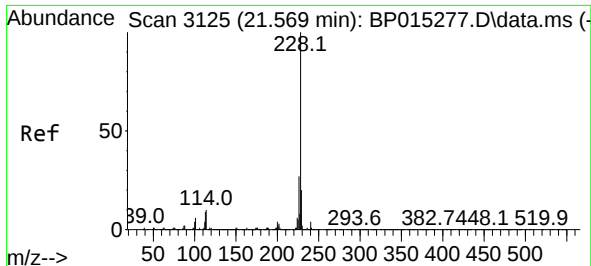
Lab File: BP015294.D

Acq: 25 May 2023 16:31

Tgt Ion:149 Resp: 140694

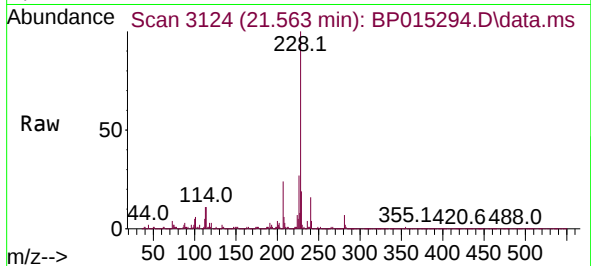
Ion	Ratio	Lower	Upper
149	100		
91	72.6	58.2	87.2
206	21.6	16.2	24.4





#81
Benzo(a)anthracene
Concen: 6.709 ng
RT: 21.563 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

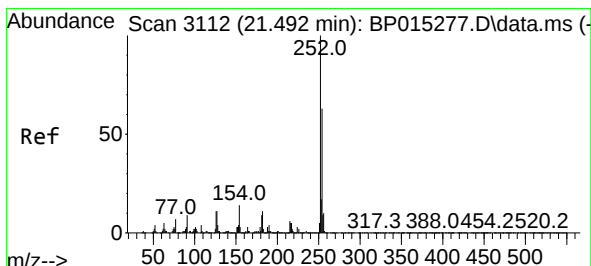
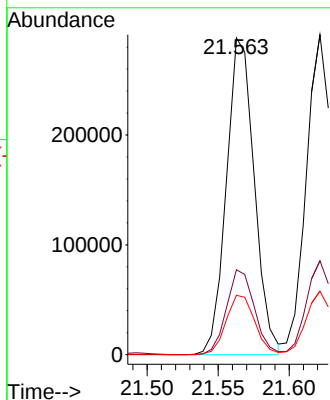
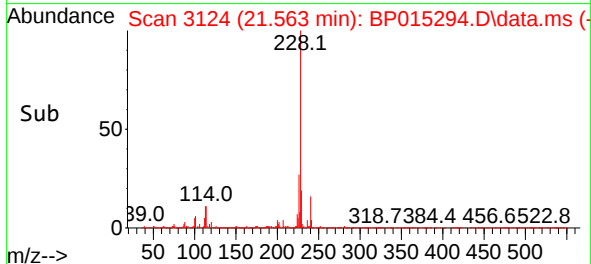
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:228 Resp: 393938
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 18.7 15.8 23.8

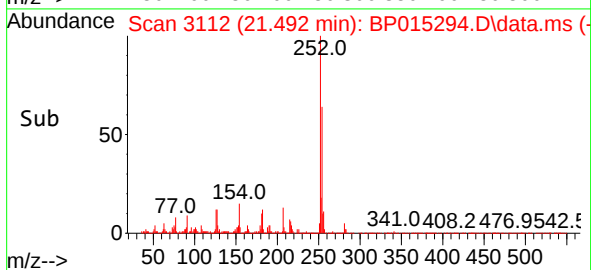
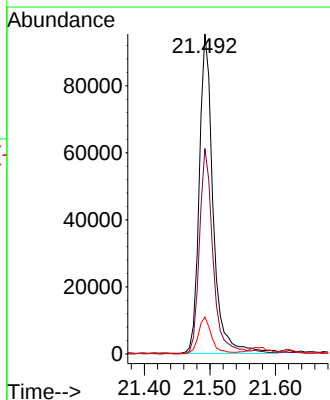
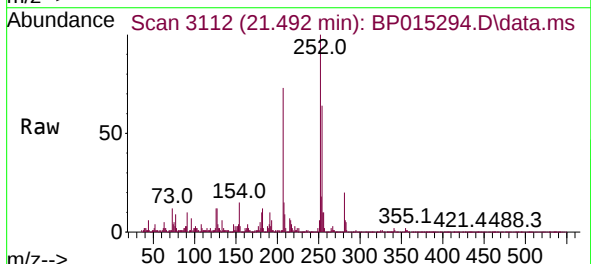
Manual Integrations
APPROVED

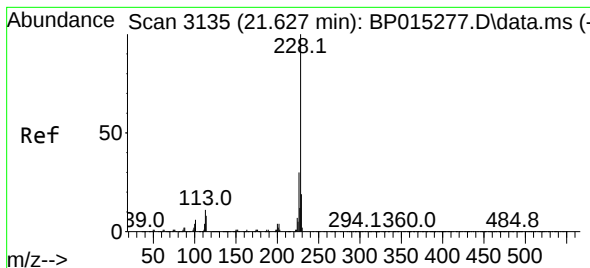
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#82
3,3'-Dichlorobenzidine
Concen: 7.776 ng
RT: 21.492 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:252 Resp: 141026
Ion Ratio Lower Upper
252 100
254 64.2 50.7 76.1
126 11.5 8.7 13.1





#83

Chrysene

Concen: 6.781 ng

RT: 21.622 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

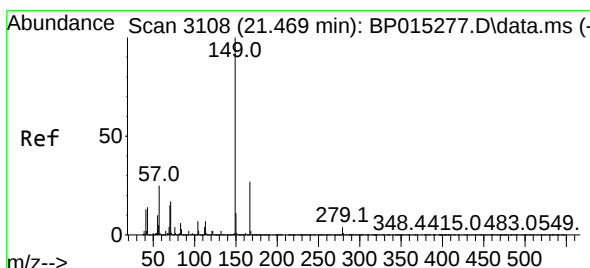
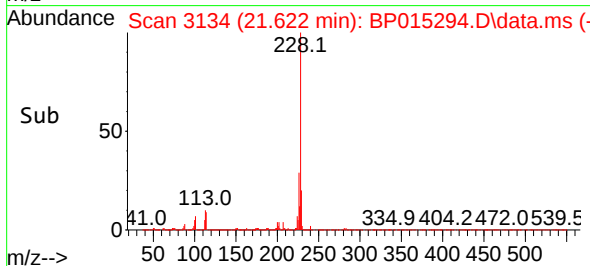
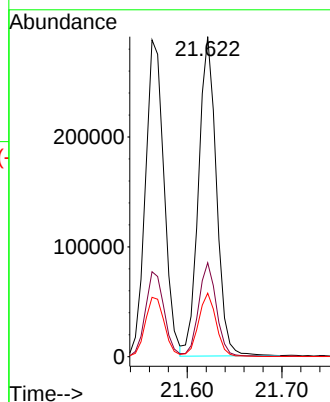
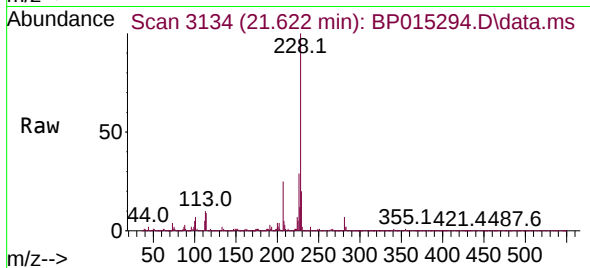
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	228	Resp:	38180
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.8	35.6
229	19.8	15.5	23.3

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.711 ng

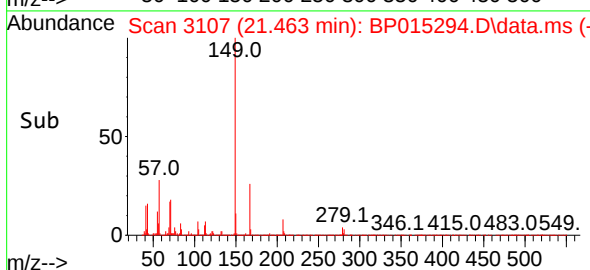
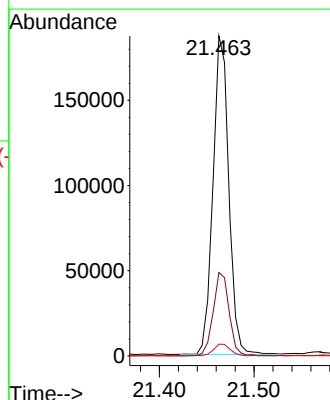
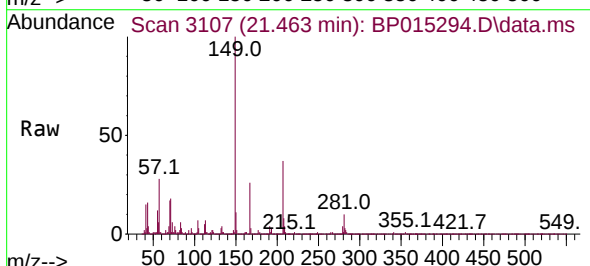
RT: 21.463 min Scan# 3107

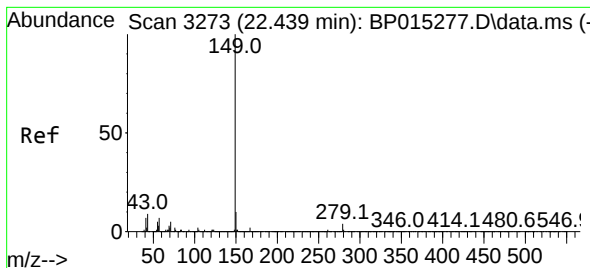
Delta R.T. -0.006 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

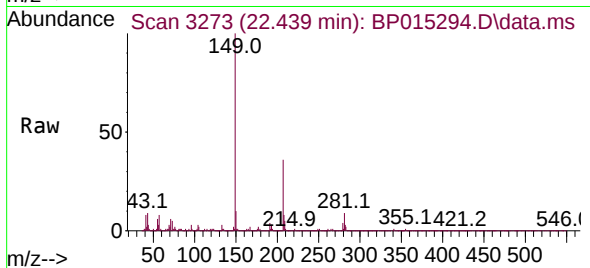
Tgt Ion:	149	Resp:	215547
Ion Ratio	Lower	Upper	
149	100		
167	26.1	21.6	32.4
279	3.7	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 5.598 ng
RT: 22.439 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

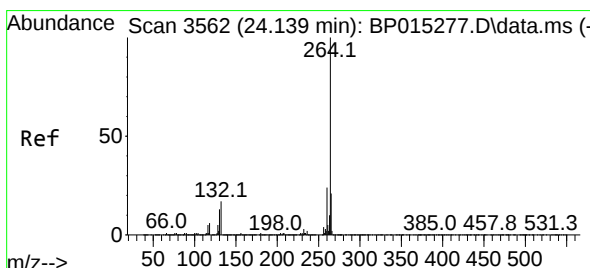
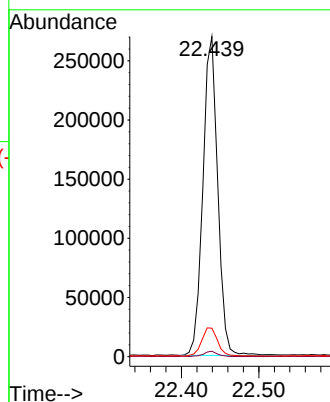
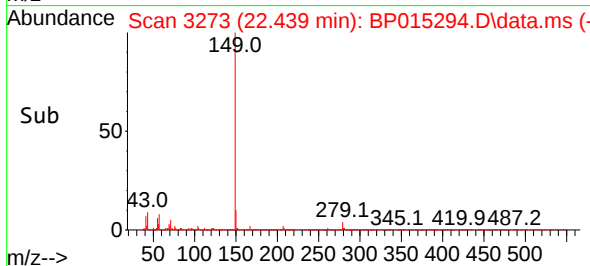
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:149 Resp: 357420
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.5 7.3 10.9

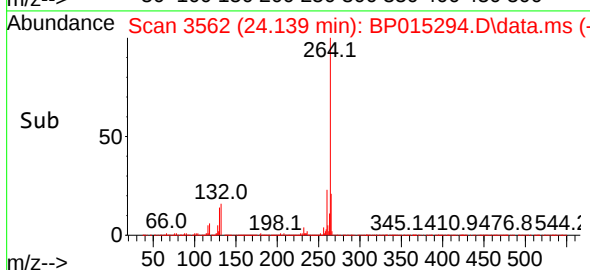
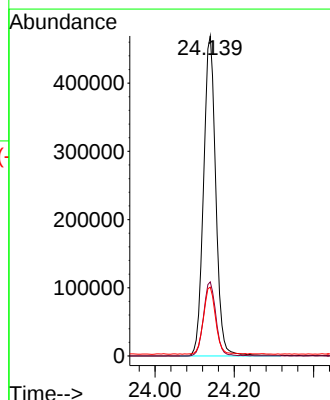
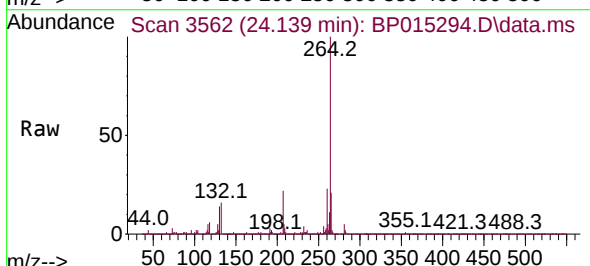
Manual Integrations
APPROVED

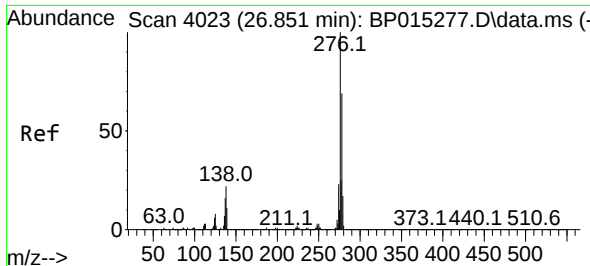
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.139 min Scan# 3562
Delta R.T. 0.000 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

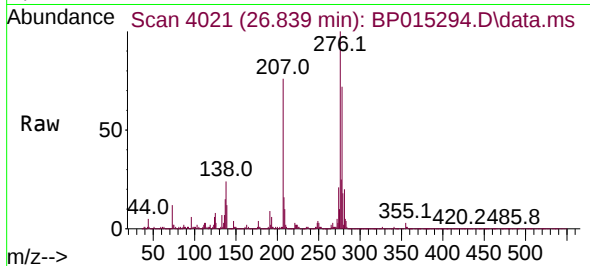
Tgt Ion:264 Resp: 1003644
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 21.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.720 ng
RT: 26.839 min Scan# 4023
Delta R.T. -0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

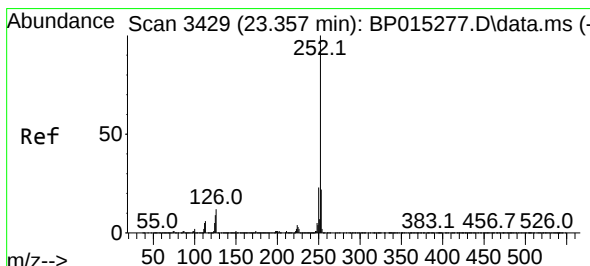
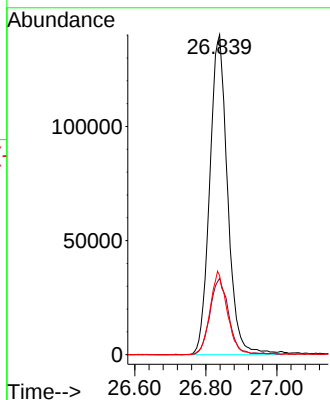
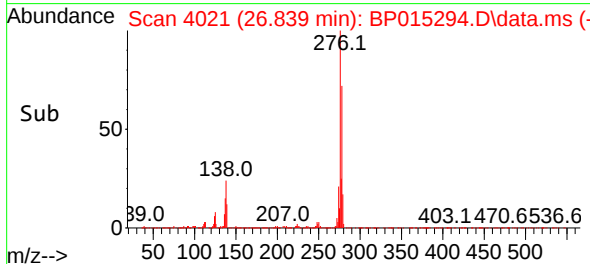
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



Tgt Ion: 276 Resp: 48883
Ion Ratio Lower Upper
276 100
138 24.7 19.0 28.6
277 25.1 20.2 30.2

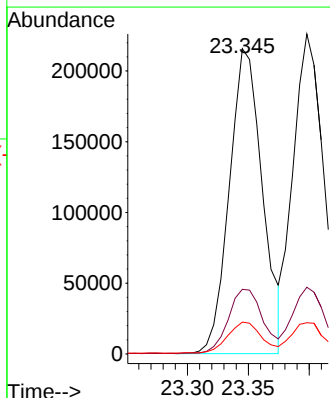
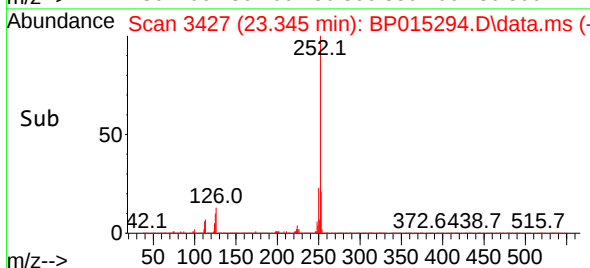
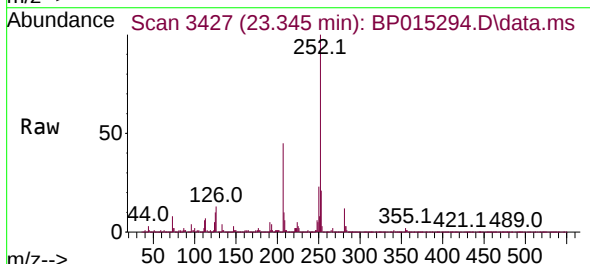
Manual Integrations
APPROVED

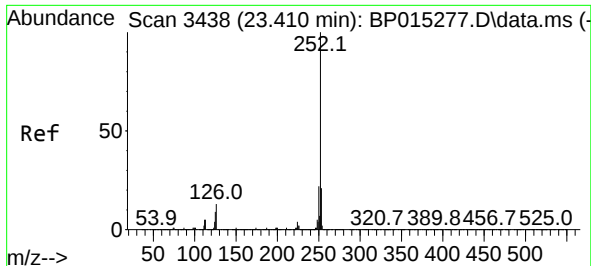
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023



#88
Benzo(b)fluoranthene
Concen: 6.685 ng
RT: 23.345 min Scan# 3427
Delta R.T. -0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

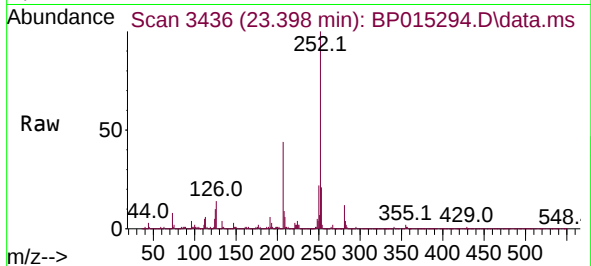
Tgt Ion: 252 Resp: 407956
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 10.4 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 6.633 ng
RT: 23.398 min Scan# 3438
Delta R.T. -0.012 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

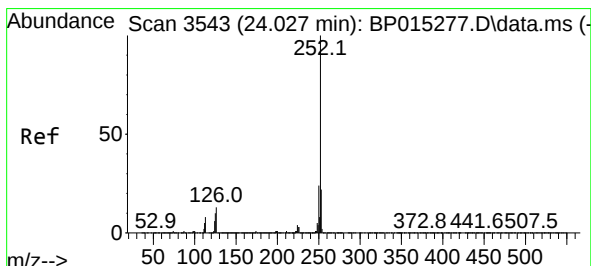
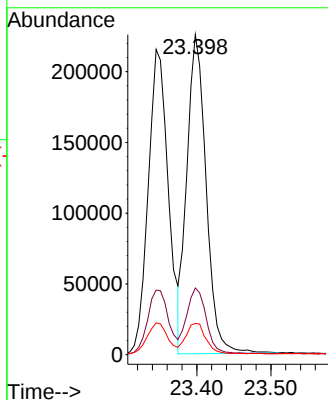
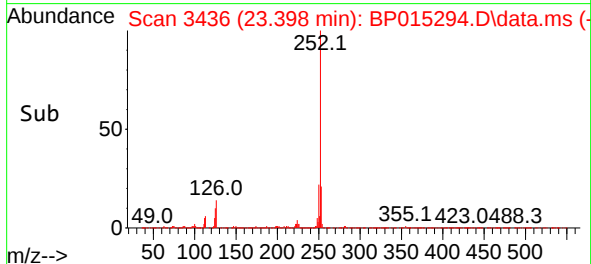
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:252 Resp: 407612
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.4
125 9.8 7.4 11.0

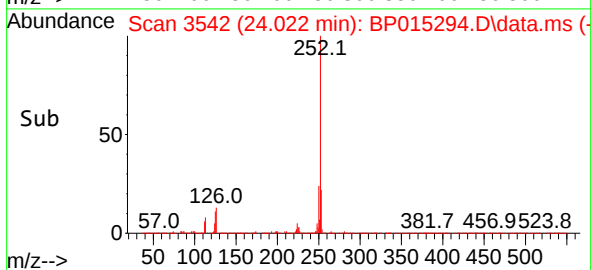
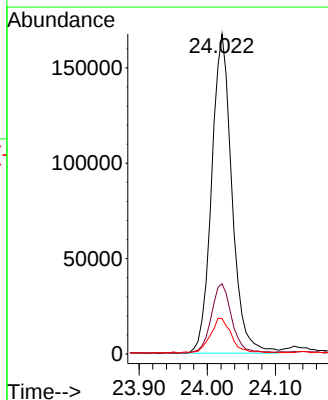
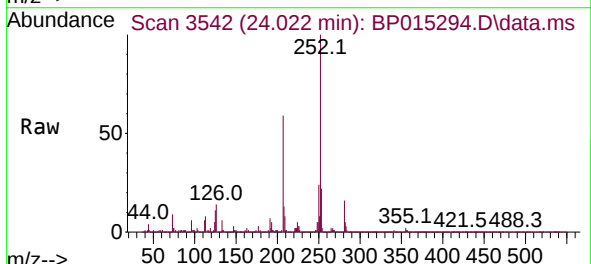
Manual Integrations
APPROVED

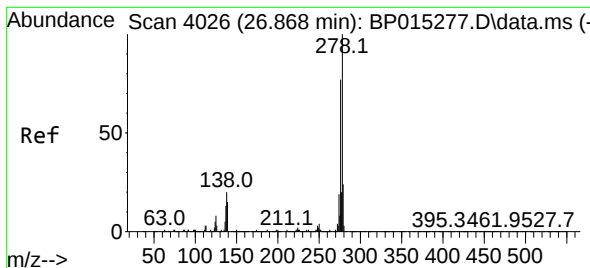
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#90
Benzo(a)pyrene
Concen: 5.898 ng
RT: 24.022 min Scan# 3542
Delta R.T. -0.006 min
Lab File: BP015294.D
Acq: 25 May 2023 16:31

Tgt Ion:252 Resp: 347487
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.1 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 6.792 ng

RT: 26.857 min Scan# 4026

Delta R.T. -0.012 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

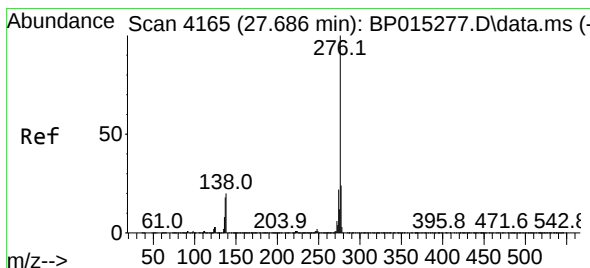
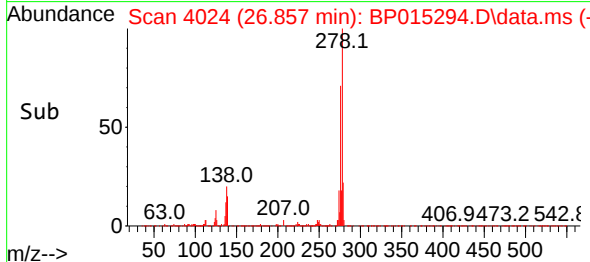
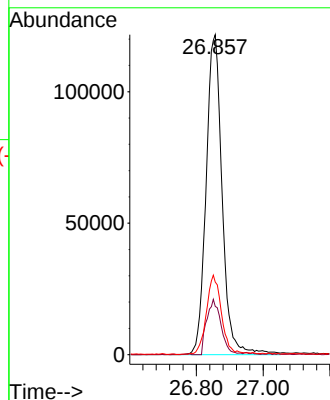
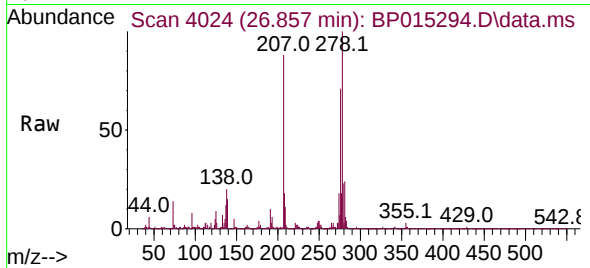
Tgt Ion:	278	Resp:	405770
Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.3	18.5
279	22.7	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023

Supervised By :Jagrut Upadhyay 05/26/2023



#92

Benzo(g,h,i)perylene

Concen: 6.624 ng

RT: 27.668 min Scan# 4162

Delta R.T. -0.018 min

Lab File: BP015294.D

Acq: 25 May 2023 16:31

Tgt Ion:	276	Resp:	402064
Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	23.1	16.2	24.2

