

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015303.D
 Acq On : 26 May 2023 11:12
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 26 11:49:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

05/30/2023

Supervised By :Jagrut
 Upadhyay

05/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	233793	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	960131	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	623019	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	1321295	20.000	ng	0.00
76) Chrysene-d12	21.580	240	1031455	20.000	ng	0.00
86) Perylene-d12	24.133	264	978835	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1364238	96.693	ng	0.00
7) Phenol-d6	7.263	99	1835508	99.270	ng	0.00
23) Nitrobenzene-d5	9.287	82	1373911	69.868	ng	0.00
42) 2,4,6-Tribromophenol	16.239	330	826127	97.577	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	3061140	65.965	ng	0.00
79) Terphenyl-d14	20.039	244	3951572	72.061	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.452	88	43354	6.938	ng	94
3) Pyridine	3.881	79	95883	6.004	ng	94
4) n-Nitrosodimethylamine	3.787	42	51842	6.955	ng	# 98
6) Aniline	7.428	93	173212	7.412	ng	100
8) 2-Chlorophenol	7.663	128	108845	7.382	ng	96
9) Benzaldehyde	7.240	77	104978	7.181	ng	99
10) Phenol	7.287	94	133843	7.228	ng	98
11) bis(2-Chloroethyl)ether	7.522	93	118101	7.609	ng	97
12) 1,3-Dichlorobenzene	7.993	146	122582	7.472	ng	97
13) 1,4-Dichlorobenzene	8.146	146	124597	7.545	ng	99
14) 1,2-Dichlorobenzene	8.463	146	117983	7.488	ng	98
15) Benzyl Alcohol	8.352	79	91857	7.118	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.646	45	163060m	8.147	ng	
17) 2-Methylphenol	8.552	107	90725	6.885	ng	99
18) Hexachloroethane	9.199	117	46376	7.451	ng	96
19) n-Nitroso-di-n-propyla...	8.922	70	94384	7.976	ng	98
20) 3+4-Methylphenols	8.881	107	123982	6.964	ng	97
22) Acetophenone	8.940	105	188786	7.570	ng	# 99
24) Nitrobenzene	9.328	77	141481	7.226	ng	98
25) Isophorone	9.851	82	249616	7.074	ng	97
26) 2-Nitrophenol	10.046	139	56431	6.566	ng	98
27) 2,4-Dimethylphenol	10.099	122	103514	7.184	ng	99
28) bis(2-Chloroethoxy)met...	10.334	93	161059	7.405	ng	98
29) 2,4-Dichlorophenol	10.581	162	101789	6.813	ng	97
30) 1,2,4-Trichlorobenzene	10.798	180	119677	7.182	ng	97
31) Naphthalene	10.987	128	364965	7.218	ng	99
32) Benzoic acid	10.181	122	38089m	9.239	ng	
33) 4-Chloroaniline	11.098	127	141622	6.774	ng	100
34) Hexachlorobutadiene	11.269	225	73213	6.934	ng	98
35) Caprolactam	11.869	113	29173	6.361	ng	# 86
36) 4-Chloro-3-methylphenol	12.210	107	114894	7.073	ng	99
37) 2-Methylnaphthalene	12.587	142	259271	7.214	ng	98
38) 1-Methylnaphthalene	12.804	142	244127	7.281	ng	100
40) 1,2,4,5-Tetrachloroben...	12.951	216	140732	6.884	ng	99
41) Hexachlorocyclopentadiene	12.922	237	69875	6.453	ng	98
43) 2,4,6-Trichlorophenol	13.187	196	85593	6.450	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.257	196	93180	5.973	ng	98
46) 1,1'-Biphenyl	13.587	154	351432	7.119	ng	100
47) 2-Chloronaphthalene	13.628	162	263247	7.069	ng	98
48) 2-Nitroaniline	13.834	65	69658	6.124	ng	93
49) Acenaphthylene	14.475	152	409182	6.867	ng	99
50) Dimethylphthalate	14.198	163	339852	6.973	ng	98
51) 2,6-Dinitrotoluene	14.322	165	68226	6.630	ng	98
52) Acenaphthene	14.810	154	249149	7.021	ng	98
53) 3-Nitroaniline	14.657	138	65059	6.186	ng	94
54) 2,4-Dinitrophenol	14.869	184	27335	8.879	ng	94
55) Dibenzofuran	15.145	168	412780	7.110	ng	99
56) 4-Nitrophenol	14.957	139	46778	8.274	ng	96
57) 2,4-Dinitrotoluene	15.110	165	88177	6.517	ng	94
58) Fluorene	15.798	166	326173	7.275	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.369	232	81745	6.552	ng	97
60) Diethylphthalate	15.557	149	335812	6.916	ng	99
61) 4-Chlorophenyl-phenyle...	15.786	204	167185	7.282	ng	96
62) 4-Nitroaniline	15.816	138	60297m	7.381	ng	
63) Azobenzene	16.081	77	329868	7.121	ng	99
65) 4,6-Dinitro-2-methylph...	15.875	198	45309	5.646	ng	94
66) n-Nitrosodiphenylamine	15.998	169	281449	7.148	ng	99
67) 4-Bromophenyl-phenylether	16.686	248	98984	6.928	ng	93
68) Hexachlorobenzene	16.804	284	114057	7.249	ng	98
69) Atrazine	16.951	200	96180	7.650	ng	98
70) Pentachlorophenol	17.151	266	57583	5.341	ng	99
71) Phenanthrene	17.545	178	499751	7.097	ng	100
72) Anthracene	17.639	178	495505	7.026	ng	99
73) Carbazole	17.904	167	431774	6.914	ng	99
74) Di-n-butylphthalate	18.433	149	515367	6.426	ng	100
75) Fluoranthene	19.498	202	541812	6.586	ng	99
77) Benzidine	19.674	184	201805	12.355	ng	100
78) Pyrene	19.851	202	568874	7.708	ng	99
80) Butylbenzylphthalate	20.704	149	187601	5.998	ng	97
81) Benzo(a)anthracene	21.563	228	484840	6.765	ng	98
82) 3,3'-Dichlorobenzidine	21.492	252	168666	7.620	ng	99
83) Chrysene	21.621	228	465437	6.773	ng	99
84) Bis(2-ethylhexyl)phtha...	21.463	149	251045	5.450	ng	99
85) Di-n-octyl phthalate	22.433	149	368320	4.727	ng	98
87) Indeno(1,2,3-cd)pyrene	26.827	276	432988	6.103	ng	97
88) Benzo(b)fluoranthene	23.345	252	416503	6.998	ng	99
89) Benzo(k)fluoranthene	23.398	252	424103	7.077	ng	99
90) Benzo(a)pyrene	24.015	252	352849	6.141	ng	97
91) Dibenzo(a,h)anthracene	26.851	278	360360	6.185	ng	99
92) Benzo(g,h,i)perylene	27.656	276	351753	5.942	ng	97

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

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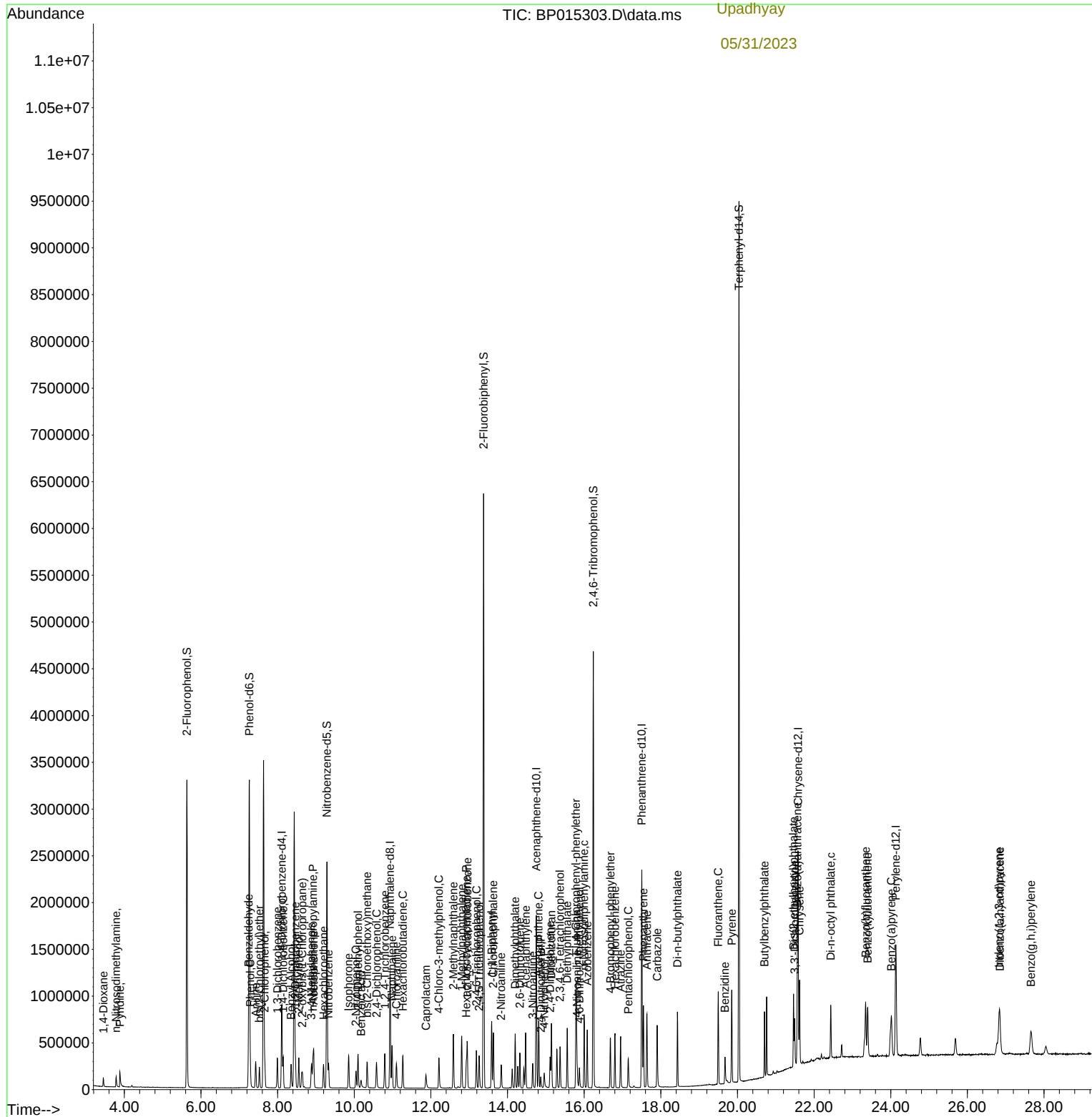
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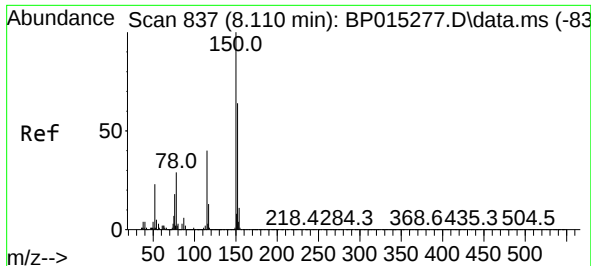
Manual Integrations
APPROVED

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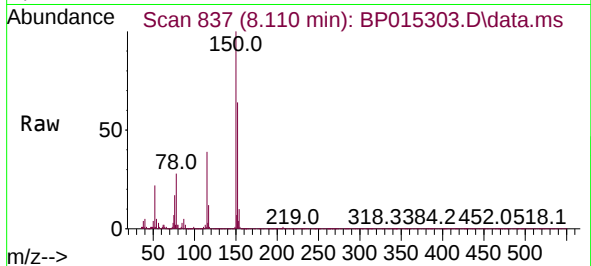
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.110 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BP015303.D
 Acq: 26 May 2023 11:12

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



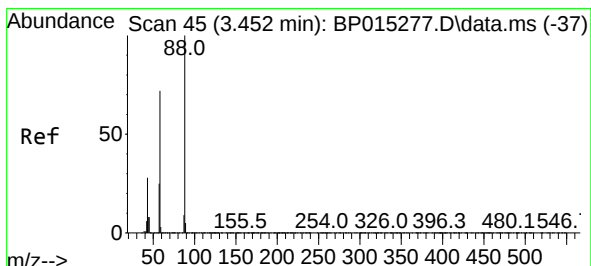
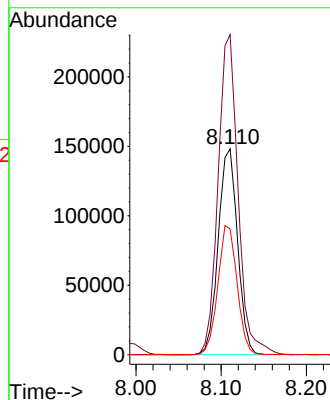
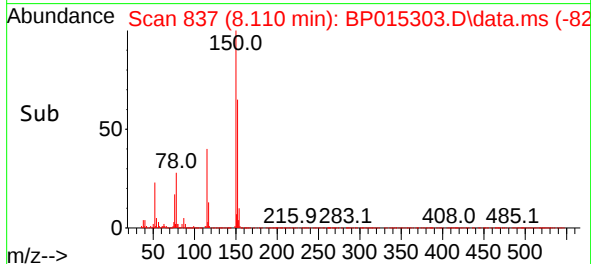
Tgt Ion: 152 Resp: 23379
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.2 186.2
 115 61.1 49.1 73.7

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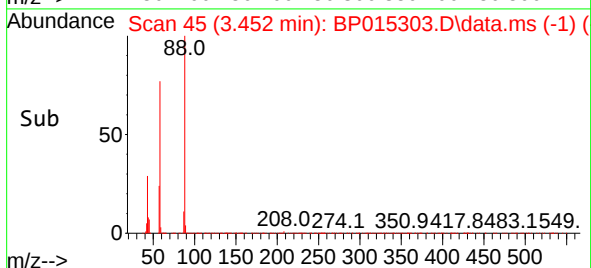
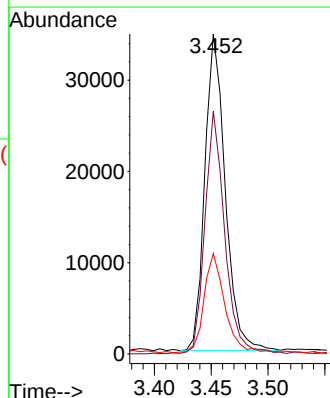
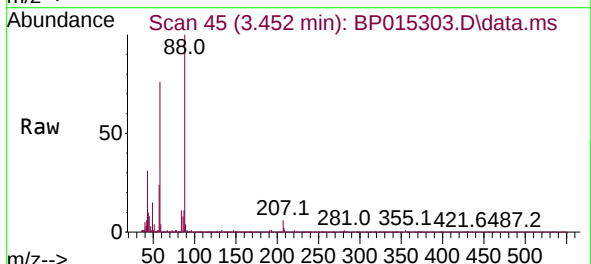
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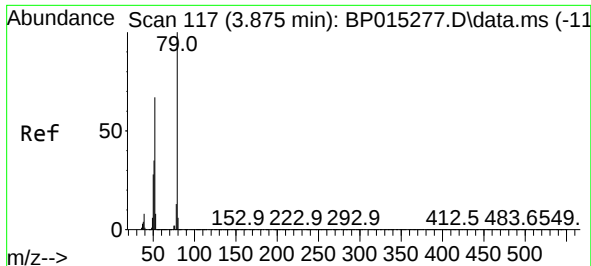
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#2
 1,4-Dioxane
 Concen: 6.938 ng
 RT: 3.452 min Scan# 45
 Delta R.T. -0.000 min
 Lab File: BP015303.D
 Acq: 26 May 2023 11:12

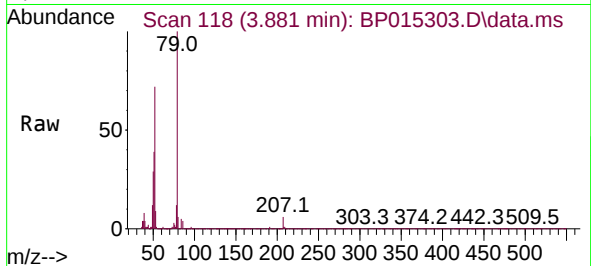
Tgt Ion: 88 Resp: 43354
 Ion Ratio Lower Upper
 88 100
 58 74.5 56.2 84.4
 43 31.9 22.1 33.1





#3
Pyridine
Concen: 6.004 ng
RT: 3.881 min Scan# 117
Delta R.T. 0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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



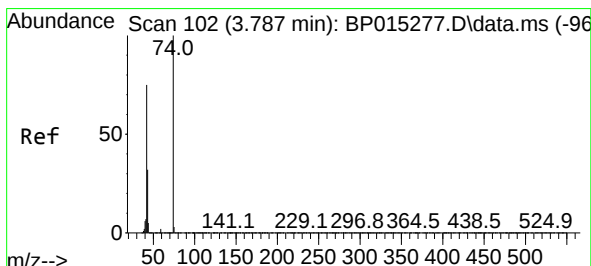
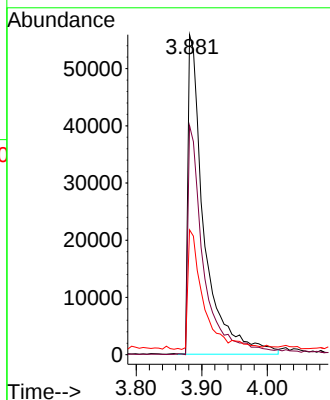
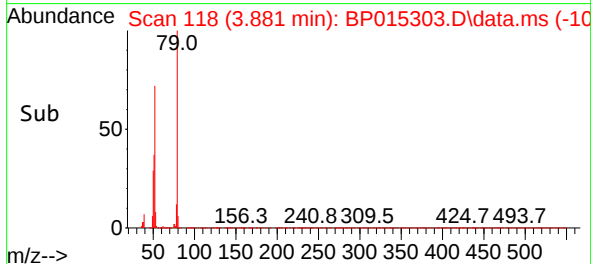
Tgt Ion: 79 Resp: 9588
Ion Ratio Lower Upper
79 100
52 71.6 53.7 80.5
51 39.0 28.6 43.0

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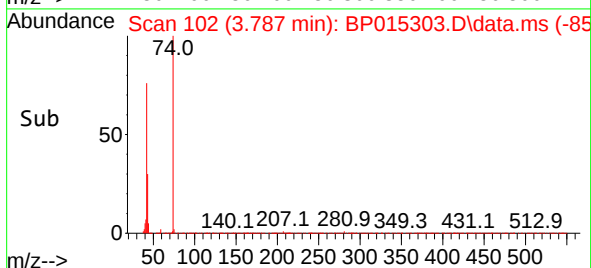
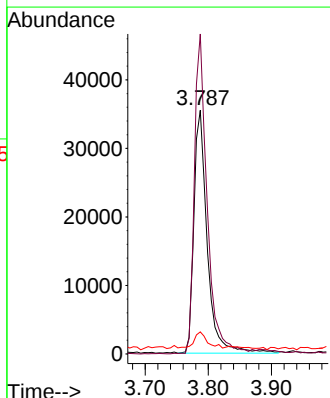
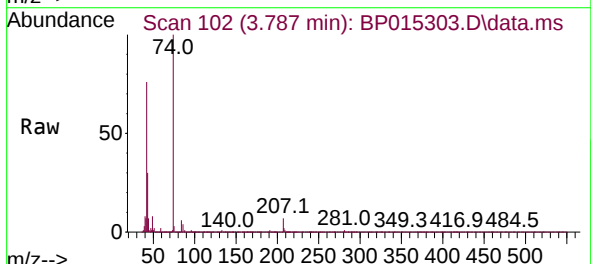
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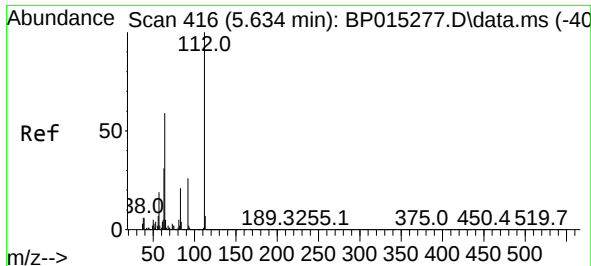
05/31/2023



#4
n-Nitrosodimethylamine
Concen: 6.955 ng
RT: 3.787 min Scan# 102
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

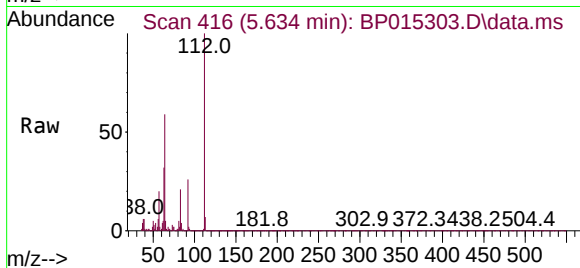
Tgt Ion: 42 Resp: 51842
Ion Ratio Lower Upper
42 100
74 131.3 106.6 160.0
44 9.1 5.8 8.8





#5
2-Fluorophenol
Concen: 96.693 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Instrument :
BNA_P
ClientSampleId :
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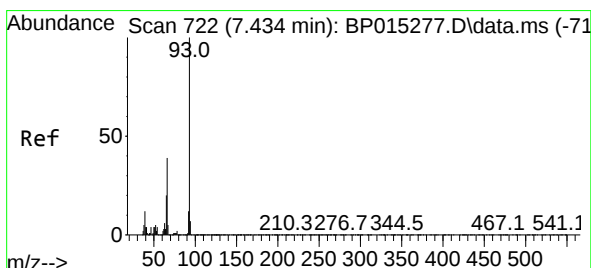
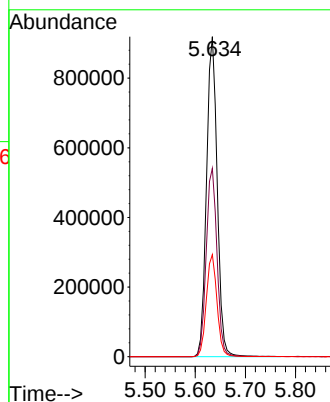
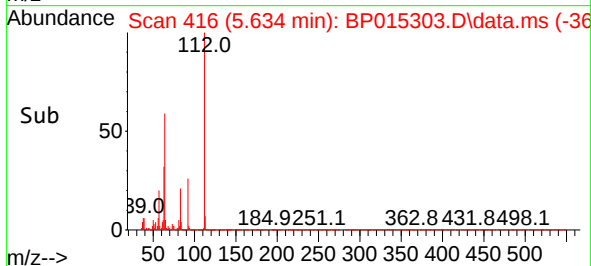
Tgt Ion: 112 Resp: 1364238
Ion Ratio Lower Upper
112 100
64 58.9 47.2 70.8
63 31.9 24.6 37.0

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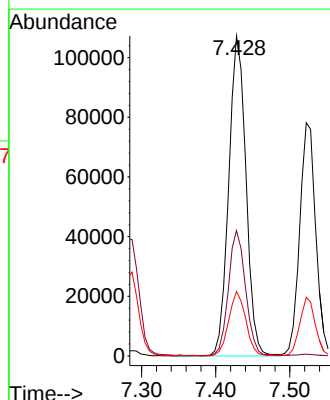
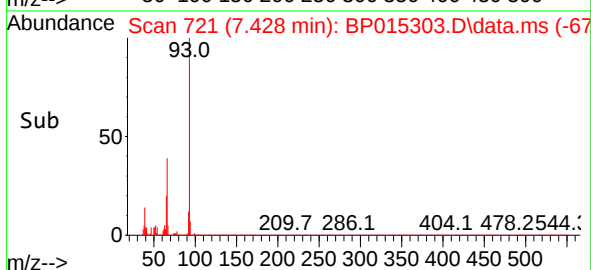
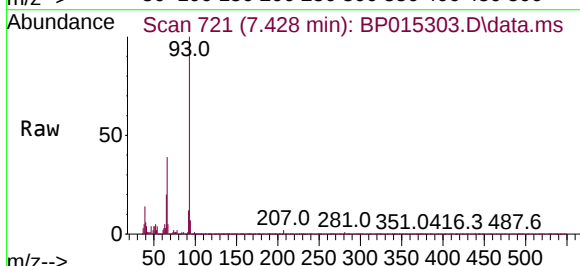
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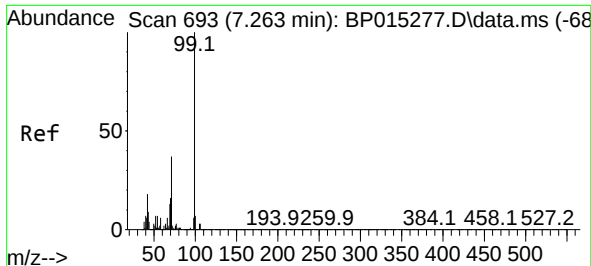
05/31/2023



#6
Aniline
Concen: 7.412 ng
RT: 7.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

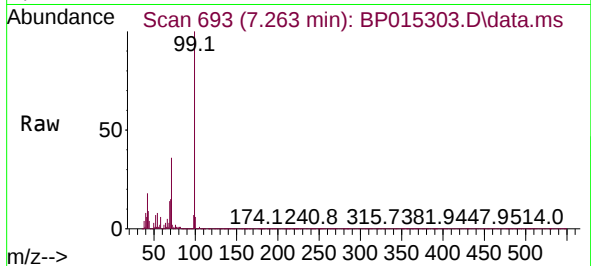
Tgt Ion: 93 Resp: 173212
Ion Ratio Lower Upper
93 100
66 39.2 31.3 46.9
65 20.2 16.0 24.0





#7
Phenol-d6
Concen: 99.270 ng
RT: 7.263 min Scan# 693
Delta R.T. -0.000 min
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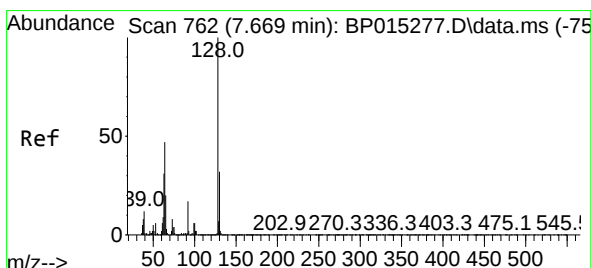
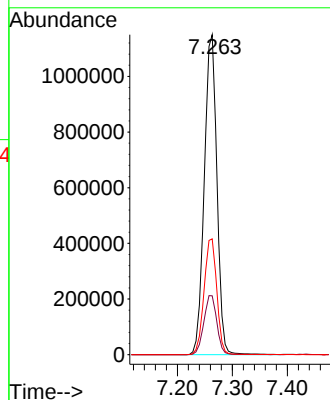
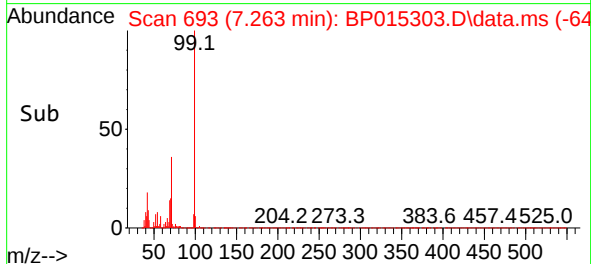
Tgt Ion: 99 Resp: 1835508
Ion Ratio Lower Upper
99 100
42 18.4 14.6 22.0
71 36.2 29.4 44.2

Manual Integrations
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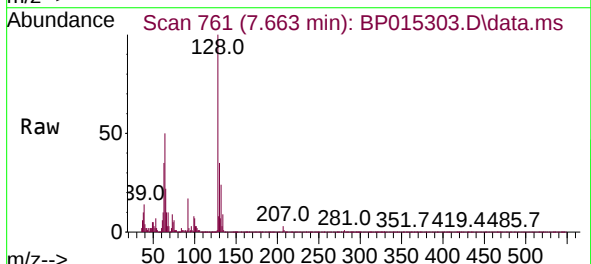
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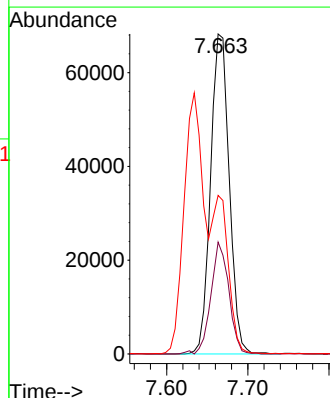
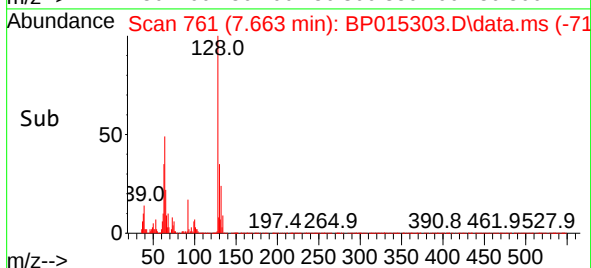
05/31/2023

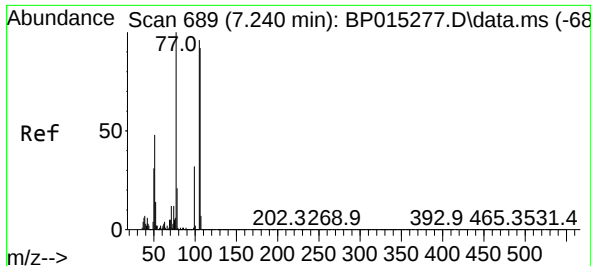


#8
2-Chlorophenol
Concen: 7.382 ng
RT: 7.663 min Scan# 761
Delta R.T. -0.006 min
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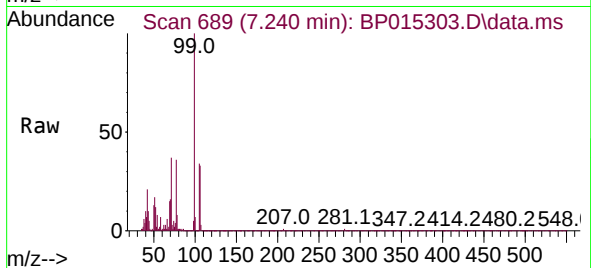
Tgt Ion:128 Resp: 108845
Ion Ratio Lower Upper
128 100
130 34.9 11.5 51.5
64 49.5 27.3 67.3





#9
Benzaldehyde
Concen: 7.181 ng
RT: 7.240 min Scan# 689
Delta R.T. -0.000 min
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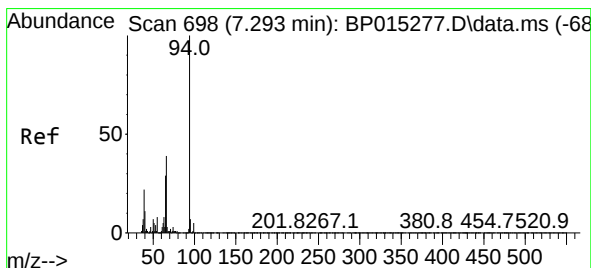
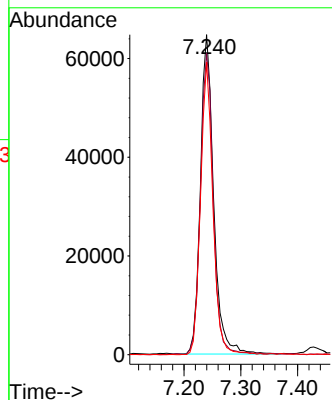
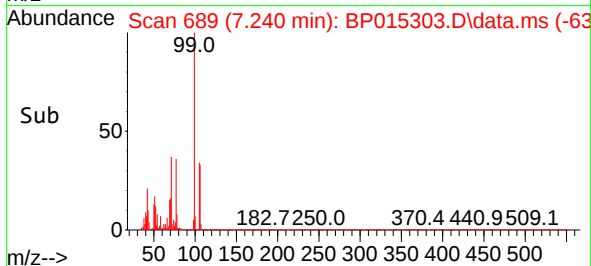
Tgt Ion: 77 Resp: 104978
Ion Ratio Lower Upper
77 100
105 94.2 75.9 115.9
106 91.4 72.3 112.3

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

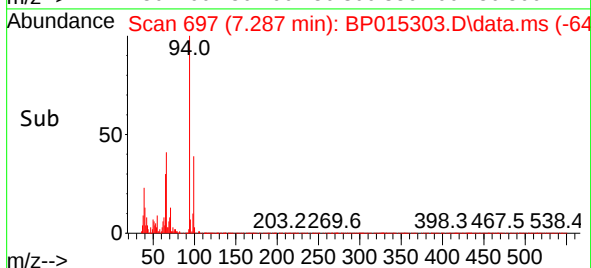
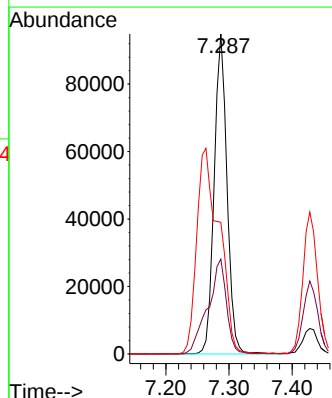
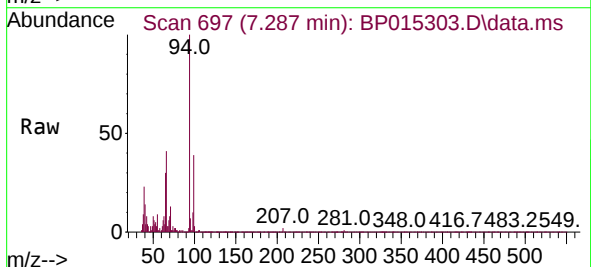
05/30/2023
Supervised By :Jagrut
Upadhyay

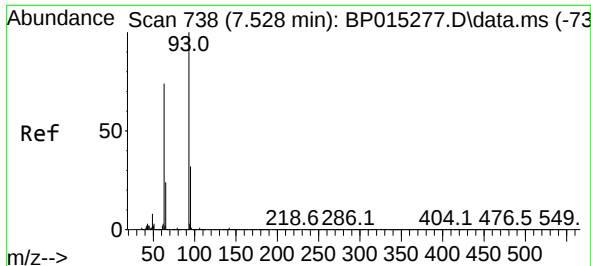
05/31/2023



#10
Phenol
Concen: 7.228 ng
RT: 7.287 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

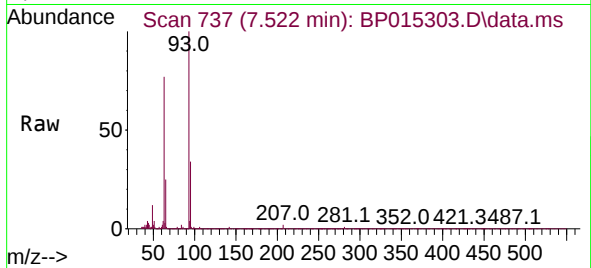
Tgt Ion: 94 Resp: 133843
Ion Ratio Lower Upper
94 100
65 29.7 9.1 49.1
66 41.2 19.3 59.3





#11
bis(2-Chloroethyl)ether
Concen: 7.609 ng
RT: 7.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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



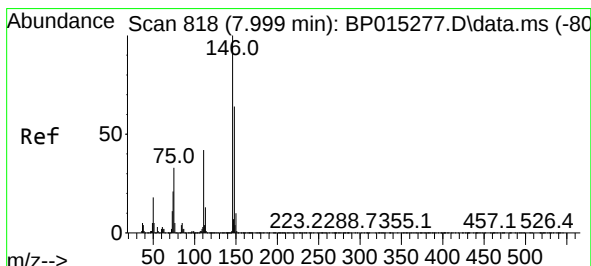
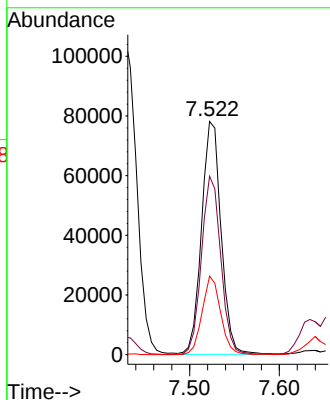
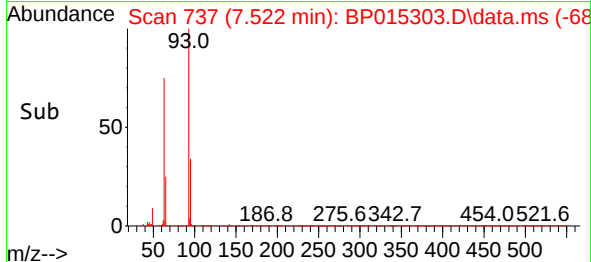
Tgt Ion: 93 Resp: 11810
Ion Ratio Lower Upper
93 100
63 76.6 53.9 93.9
95 33.7 12.2 52.2

Manual Integrations
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Reviewed By :Christian
Giraldo

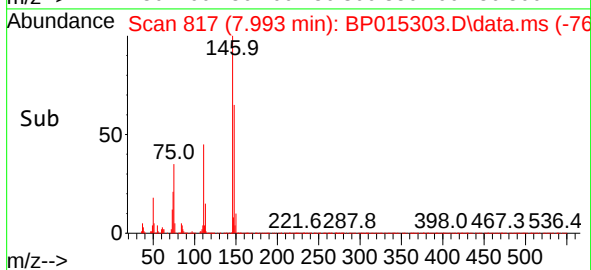
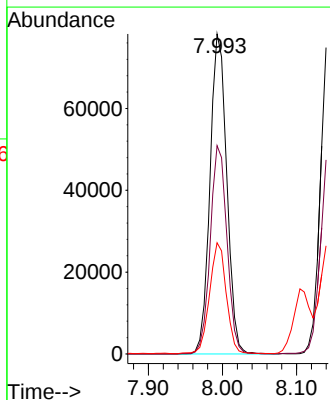
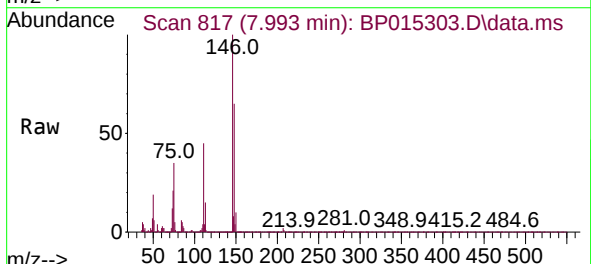
05/30/2023
Supervised By :Jagrut
Upadhyay

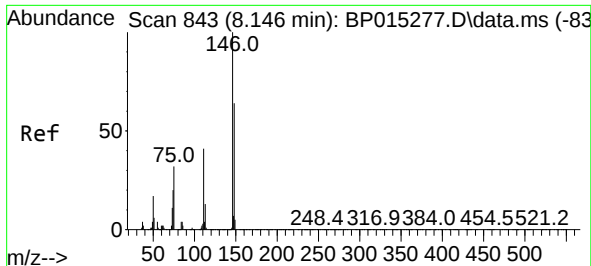
05/31/2023



#12
1,3-Dichlorobenzene
Concen: 7.472 ng
RT: 7.993 min Scan# 817
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:146 Resp: 122582
Ion Ratio Lower Upper
146 100
148 65.1 50.8 76.2
75 34.8 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 7.545 ng

RT: 8.146 min Scan# 843

Delta R.T. -0.000 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:146	Resp:	12459
Ion Ratio	Lower	Upper
146	100	
148	64.1	51.0 76.6
111	42.1	33.3 49.9

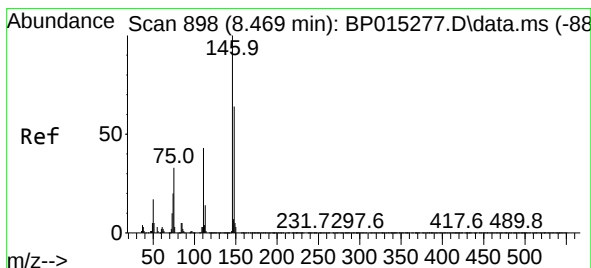
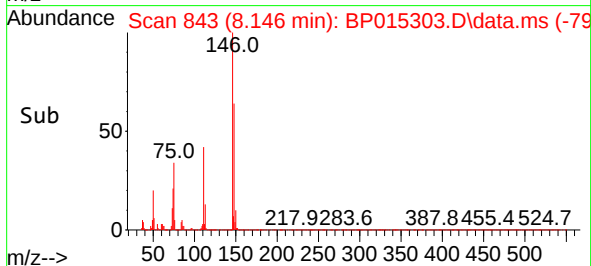
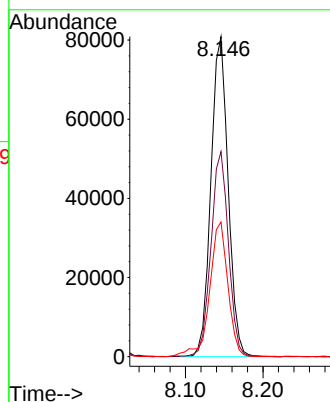
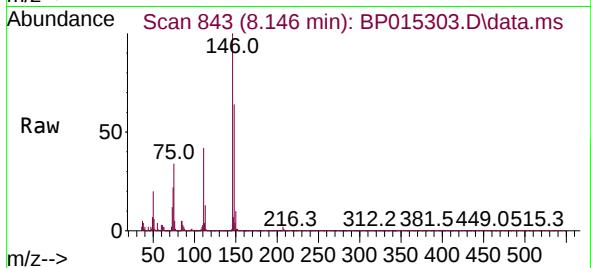
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

05/30/2023

Supervised By :Jagrut
Upadhyay

05/31/2023



#14

1,2-Dichlorobenzene

Concen: 7.488 ng

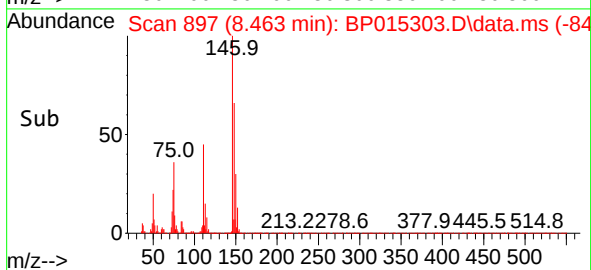
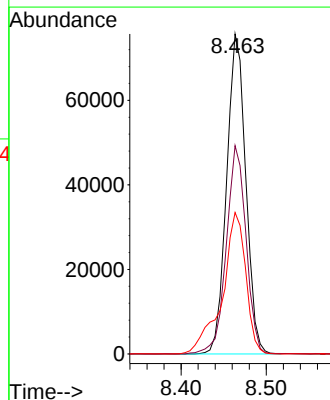
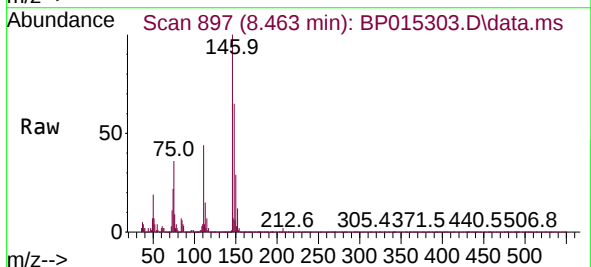
RT: 8.463 min Scan# 897

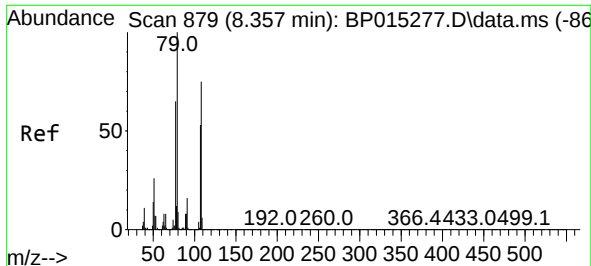
Delta R.T. -0.006 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

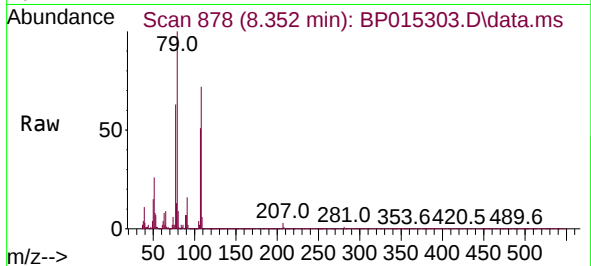
Tgt Ion:146	Resp:	117983
Ion Ratio	Lower	Upper
146	100	
148	65.1	51.4 77.2
111	44.2	34.2 51.2





#15
Benzyl Alcohol
Concen: 7.118 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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



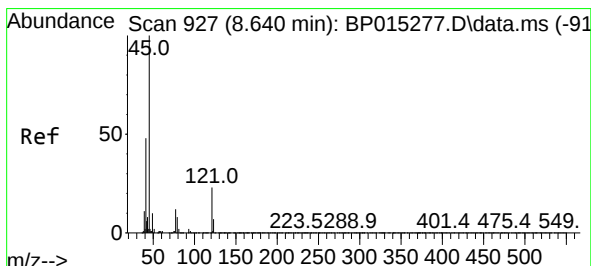
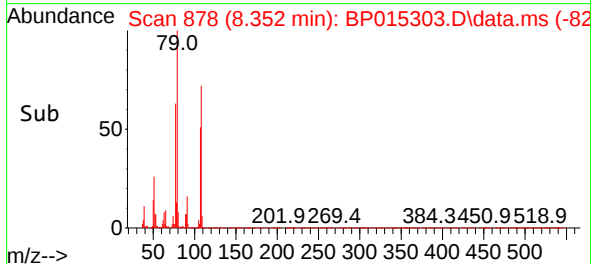
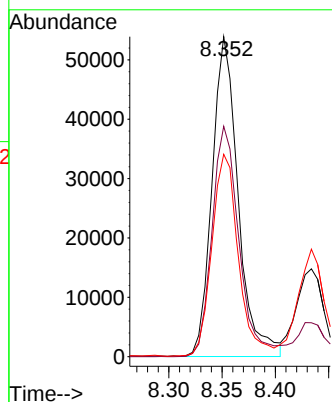
Tgt Ion: 79 Resp: 9185
Ion Ratio Lower Upper
79 100
108 72.0 60.2 90.2
77 63.3 52.1 78.1

Manual Integrations
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Reviewed By :Christian
Giraldo

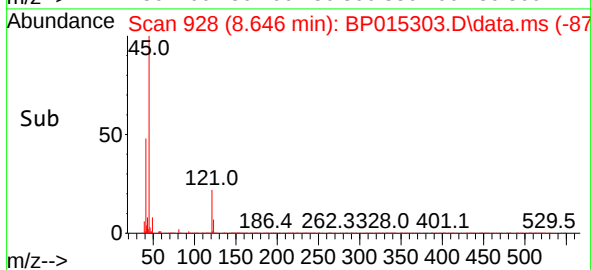
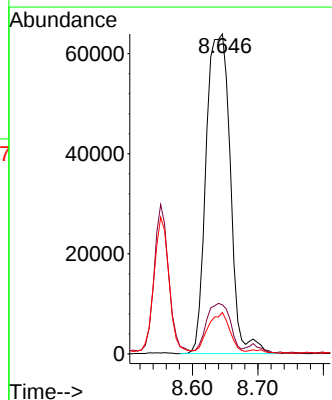
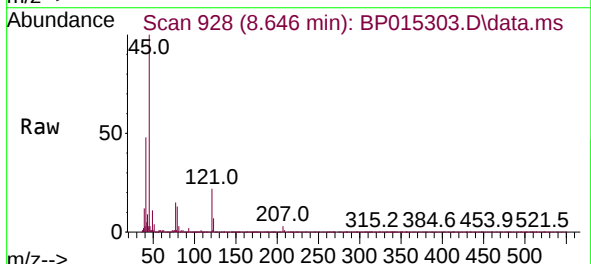
05/30/2023
Supervised By :Jagrut
Upadhyay

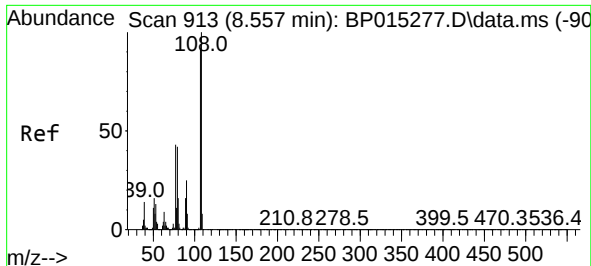
05/31/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.147 ng m
RT: 8.646 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

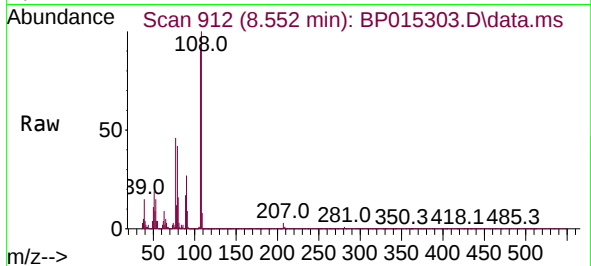
Tgt Ion: 45 Resp: 163060
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.3
79 13.0 0.0 31.2





#17
2-Methylphenol
Concen: 6.885 ng
RT: 8.552 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

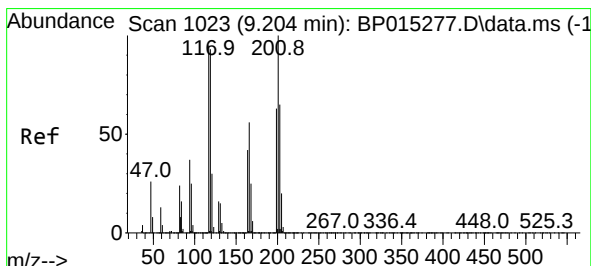
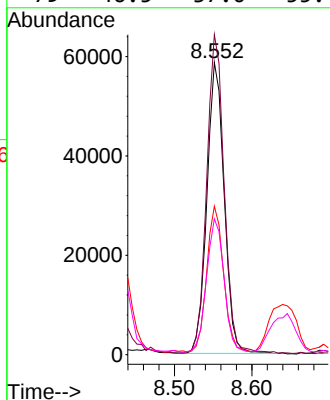
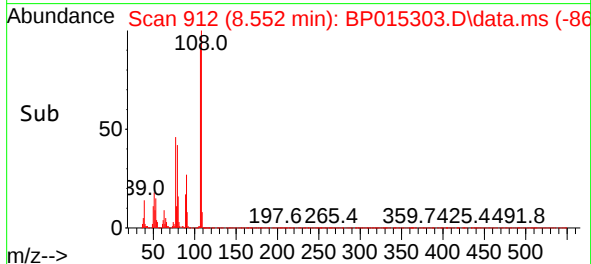
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:107 Resp: 90725
Ion Ratio Lower Upper
107 100
108 109.5 87.3 130.9
77 50.8 38.1 57.1
79 46.5 37.0 55.4

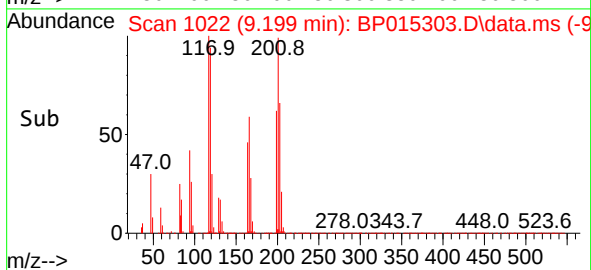
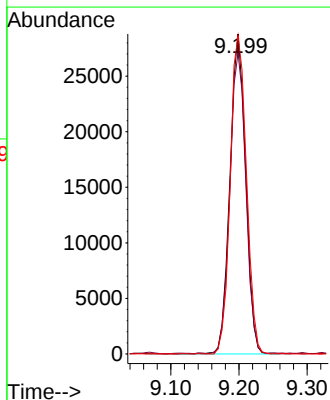
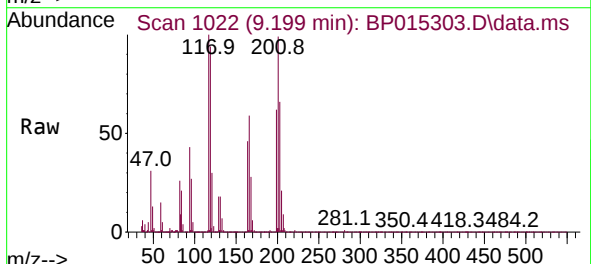
Manual Integrations
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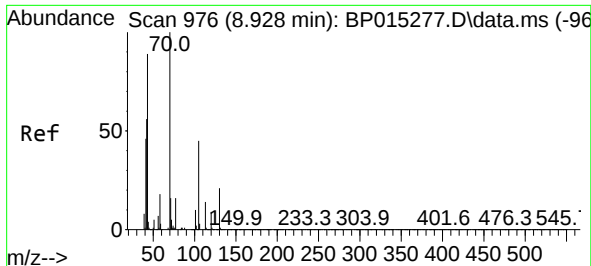
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#18
Hexachloroethane
Concen: 7.451 ng
RT: 9.199 min Scan# 1022
Delta R.T. -0.005 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

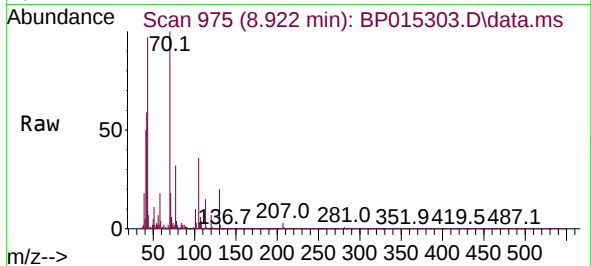
Tgt Ion:117 Resp: 46376
Ion Ratio Lower Upper
117 100
119 94.1 78.8 118.2
201 101.4 84.5 126.7





#19
n-Nitroso-di-n-propylamine
Concen: 7.976 ng
RT: 8.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

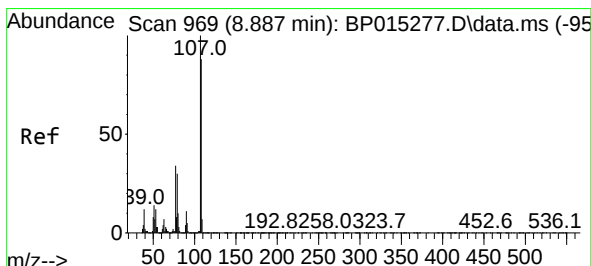
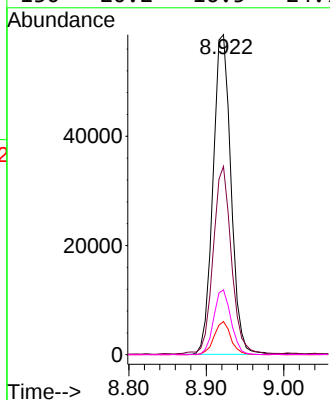
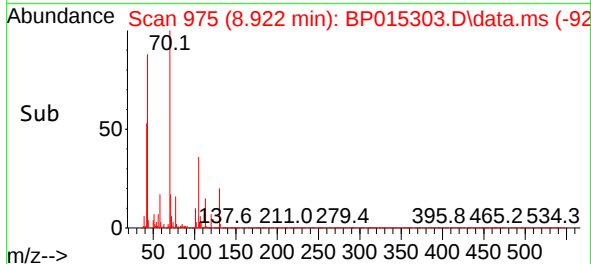
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



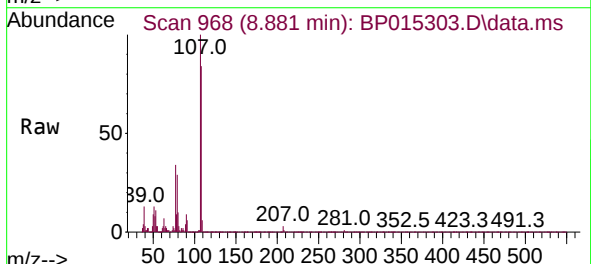
Tgt Ion: 70 Resp: 94384
Ion Ratio Lower Upper
70 100
42 58.9 45.4 68.2
101 10.4 7.9 11.9
130 20.2 16.5 24.7

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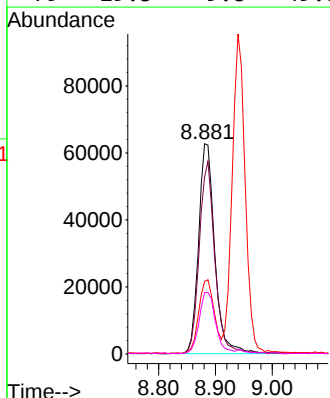
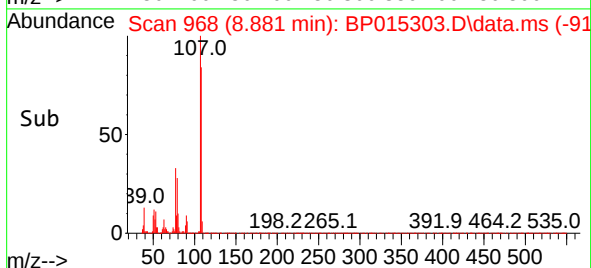
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

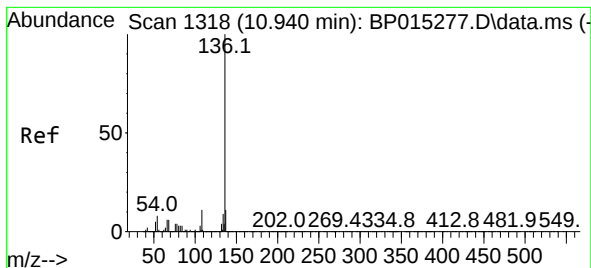


#20
3+4-Methylphenols
Concen: 6.964 ng
RT: 8.881 min Scan# 968
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



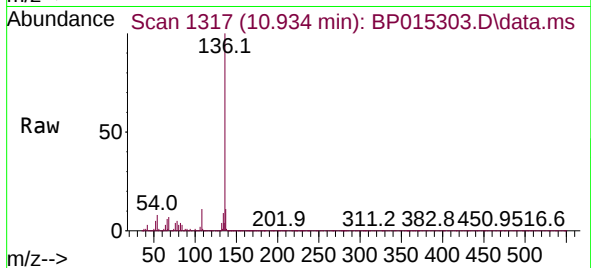
Tgt Ion:107 Resp: 123982
Ion Ratio Lower Upper
107 100
108 84.2 68.0 108.0
77 34.5 14.5 54.5
79 29.3 9.8 49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

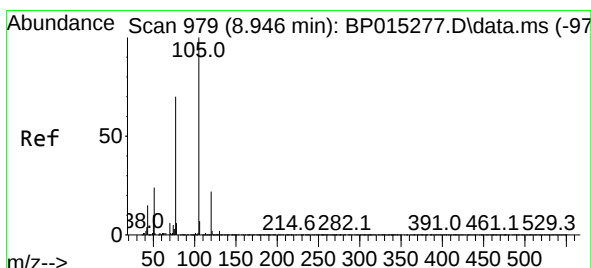
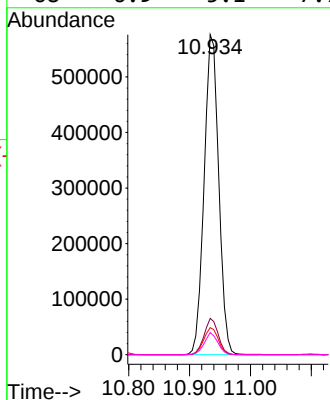
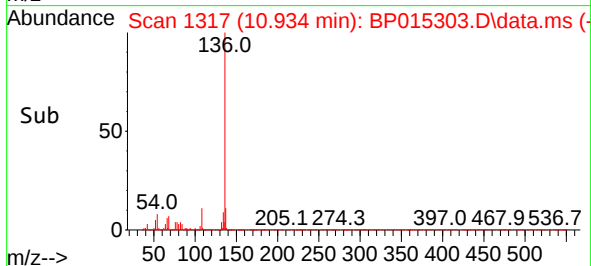
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:136 Resp: 96013
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 8.4 6.3 9.5
68 6.9 5.1 7.7

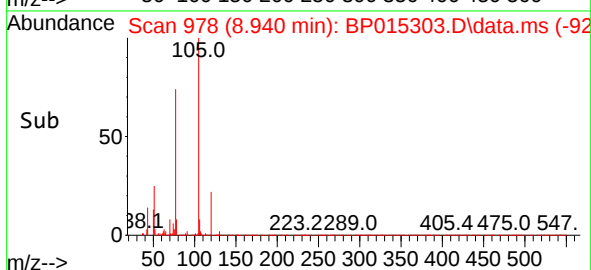
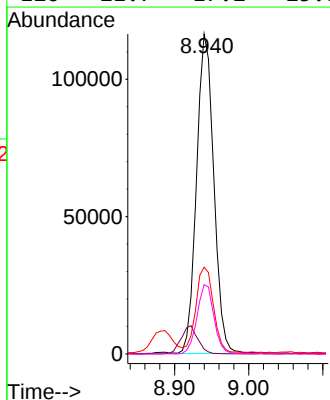
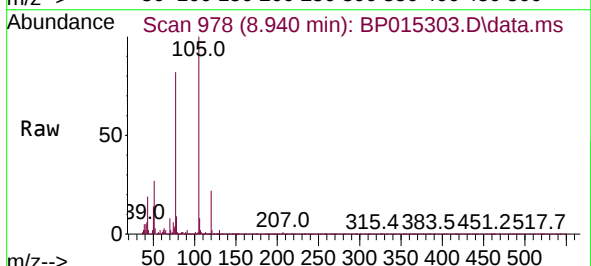
Manual Integrations
APPROVED

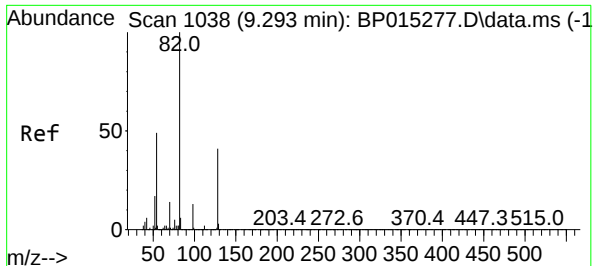
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#22
Acetophenone
Concen: 7.570 ng
RT: 8.940 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

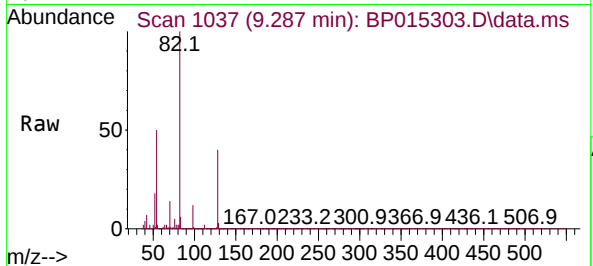
Tgt Ion:105 Resp: 188786
Ion Ratio Lower Upper
105 100
71 1.5 1.5 2.3#
51 27.1 22.5 33.7
120 21.7 17.2 25.8





#23
Nitrobenzene-d5
Concen: 69.868 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

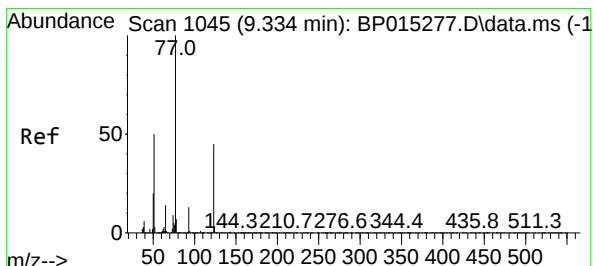
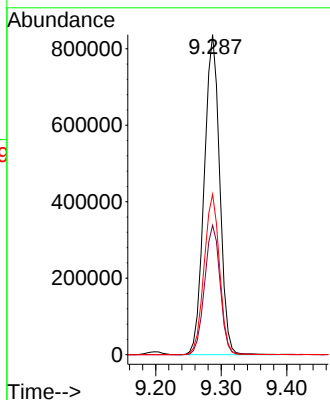
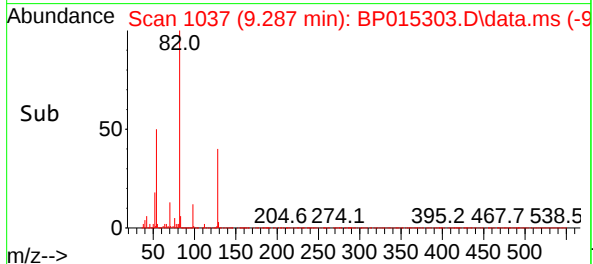
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 82 Resp: 137391
Ion Ratio Lower Upper
82 100
128 40.4 33.0 49.4
54 50.2 39.2 58.8

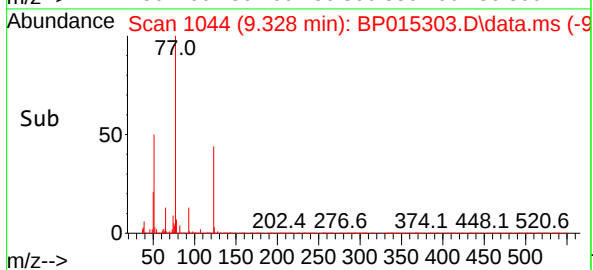
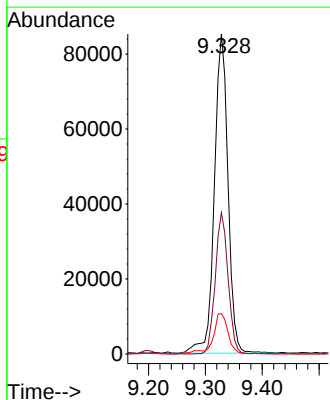
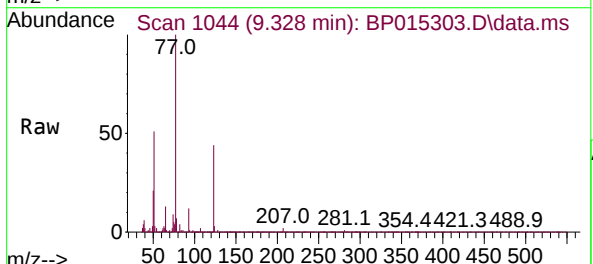
Manual Integrations
APPROVED

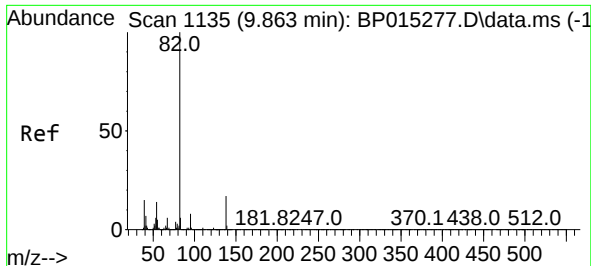
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#24
Nitrobenzene
Concen: 7.226 ng
RT: 9.328 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion: 77 Resp: 141481
Ion Ratio Lower Upper
77 100
123 44.1 36.2 54.4
65 12.6 10.8 16.2





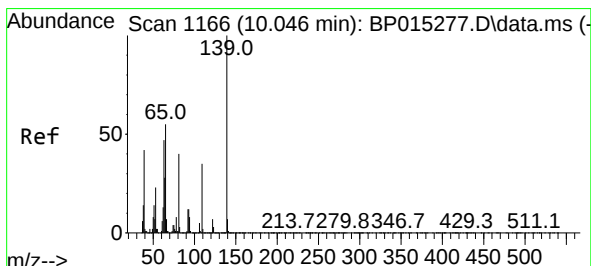
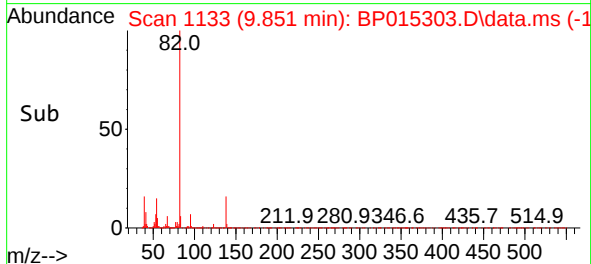
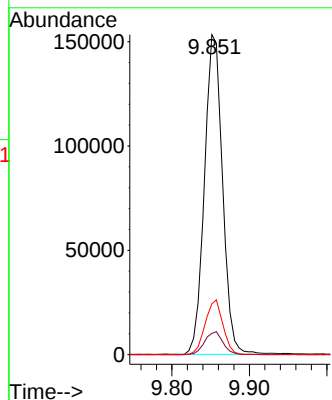
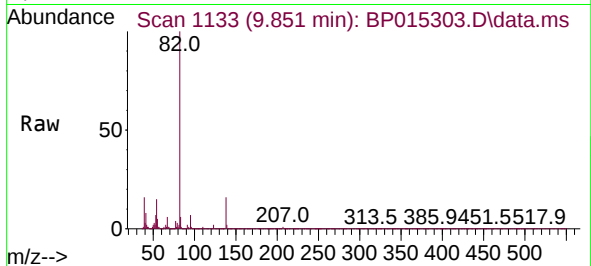
#25
Isophorone
Concen: 7.074 ng
RT: 9.851 min Scan# 1133
Delta R.T. -0.012 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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

Tgt Ion: 82 Resp: 249610
Ion Ratio Lower Upper
82 100
95 6.6 6.3 9.5
138 15.9 13.6 20.4

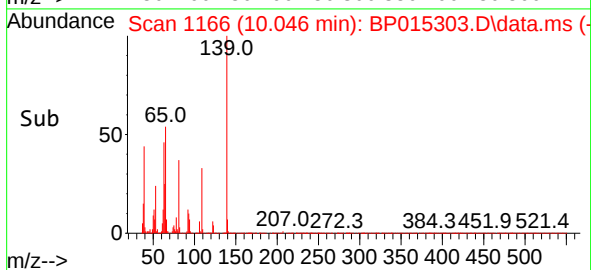
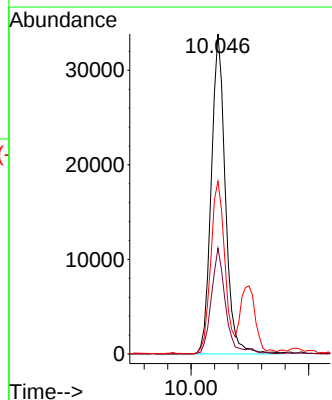
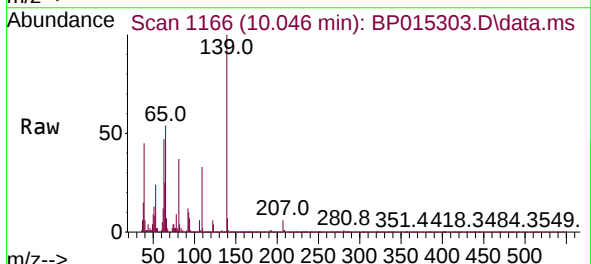
Manual Integrations
APPROVED

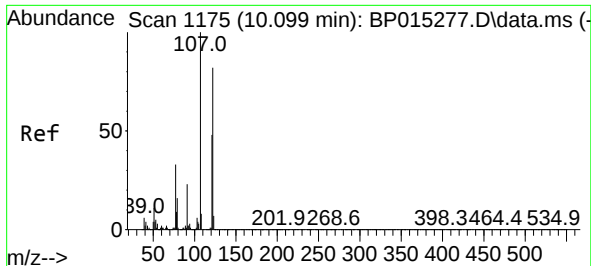
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#26
2-Nitrophenol
Concen: 6.566 ng
RT: 10.046 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

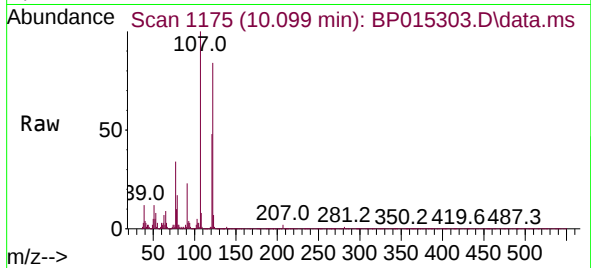
Tgt Ion:139 Resp: 56431
Ion Ratio Lower Upper
139 100
109 33.1 28.4 42.6
65 54.0 43.8 65.8





#27
2,4-Dimethylphenol
Concen: 7.184 ng
RT: 10.099 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

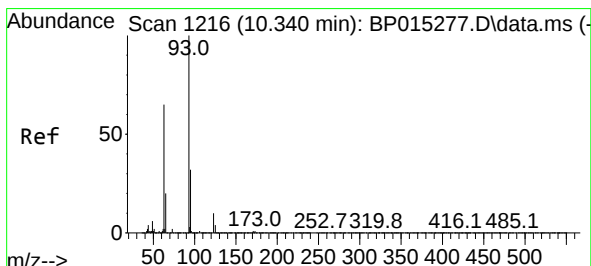
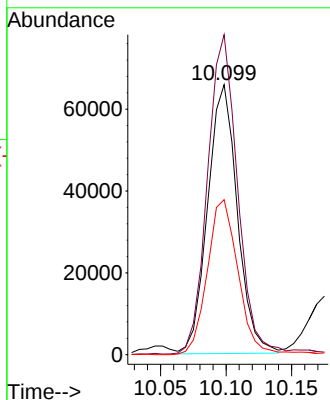
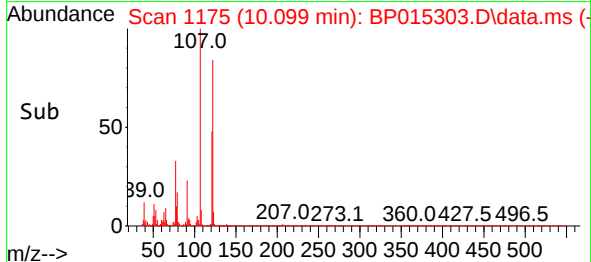
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



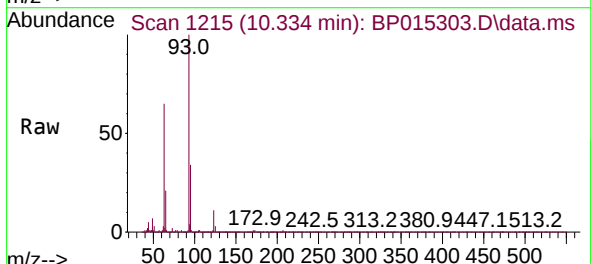
Tgt Ion:122 Resp: 103514
Ion Ratio Lower Upper
122 100
107 118.5 95.9 143.9
121 57.4 45.8 68.8

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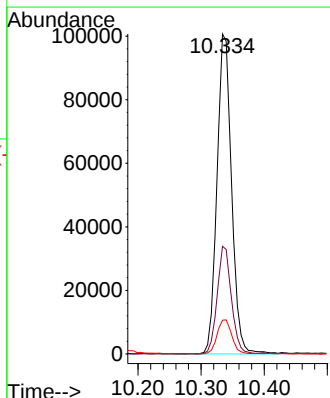
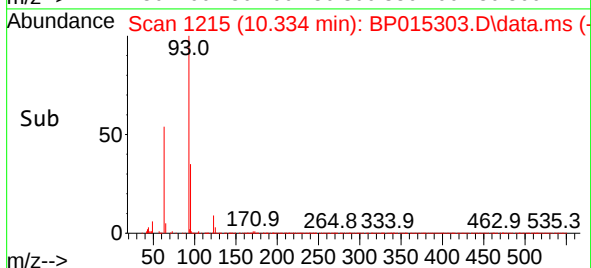
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

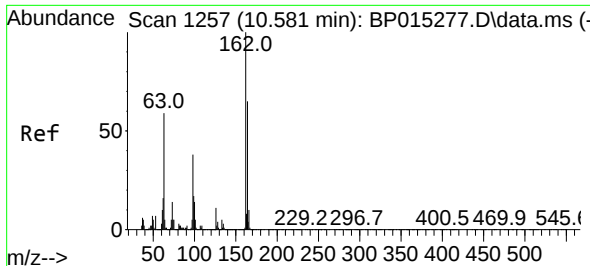


#28
bis(2-Chloroethoxy)methane
Concen: 7.405 ng
RT: 10.334 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



Tgt Ion: 93 Resp: 161059
Ion Ratio Lower Upper
93 100
95 33.6 26.0 39.0
123 10.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 6.813 ng

RT: 10.581 min Scan# 1257

Delta R.T. -0.000 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

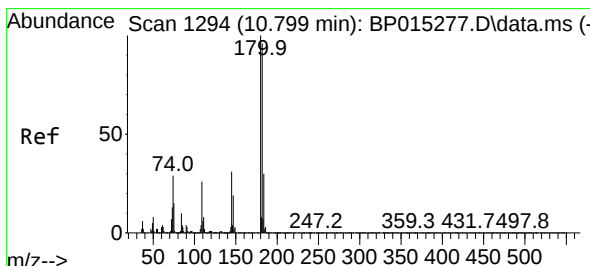
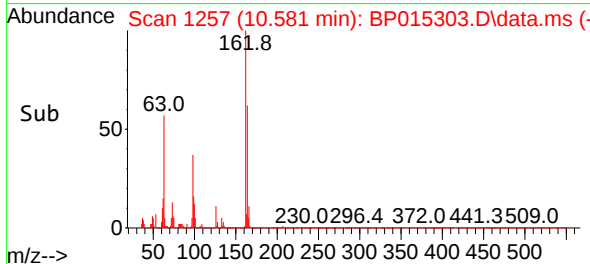
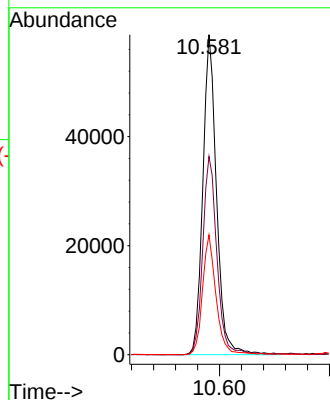
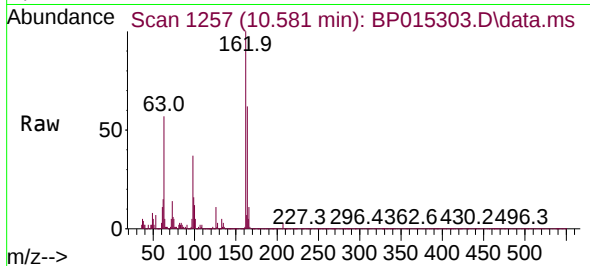
Tgt Ion:	162	Resp:	101789
Ion Ratio	Lower	Upper	
162	100		
164	61.9	45.4	85.4
98	37.4	17.9	57.9

Manual Integrations

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Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#30

1,2,4-Trichlorobenzene

Concen: 7.182 ng

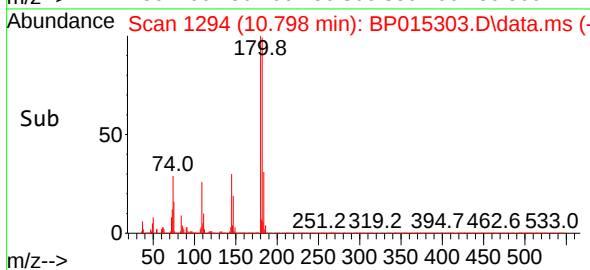
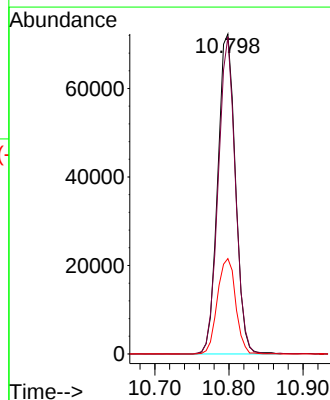
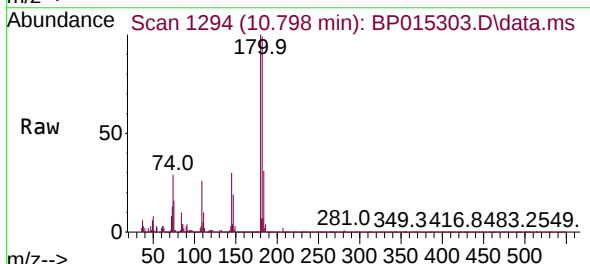
RT: 10.798 min Scan# 1294

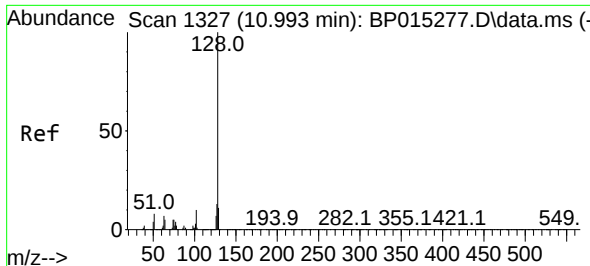
Delta R.T. -0.000 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

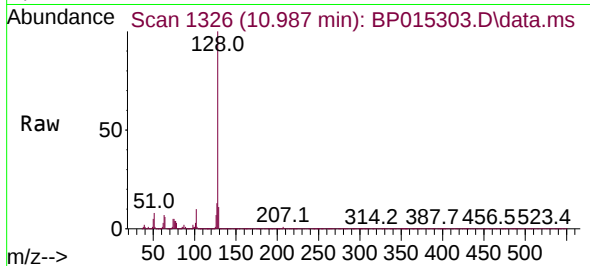
Tgt Ion:	180	Resp:	119677
Ion Ratio	Lower	Upper	
180	100		
182	99.1	76.6	115.0
145	29.8	24.9	37.3





#31
Naphthalene
Concen: 7.218 ng
RT: 10.987 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

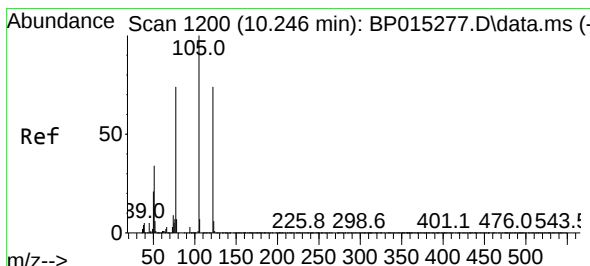
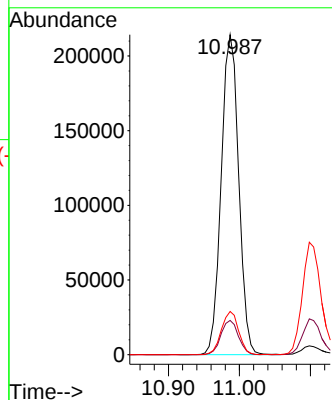
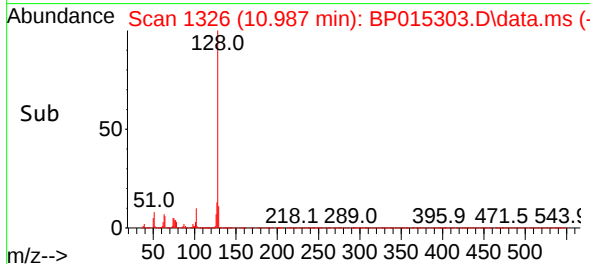
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



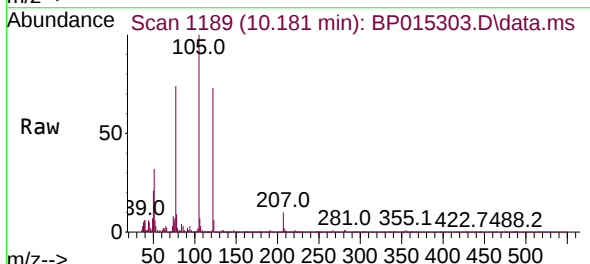
Tgt Ion:128 Resp: 36496
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.5 10.4 15.6

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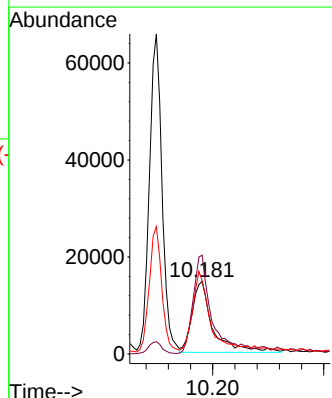
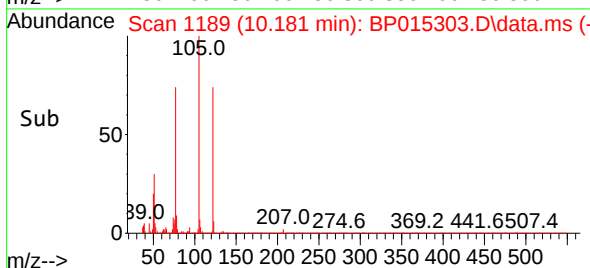
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

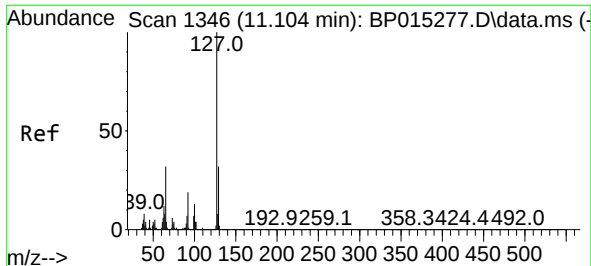


#32
Benzoic acid
Concen: 9.239 ng m
RT: 10.181 min Scan# 1189
Delta R.T. -0.065 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



Tgt Ion:122 Resp: 38089
Ion Ratio Lower Upper
122 100
105 136.3 109.5 149.5
77 101.5 78.2 118.2





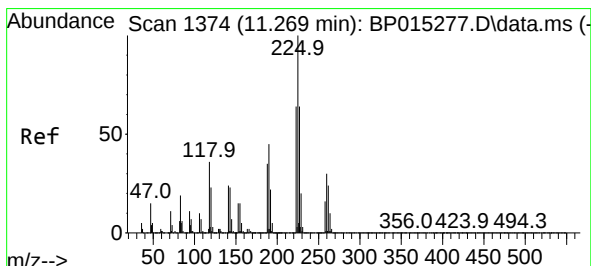
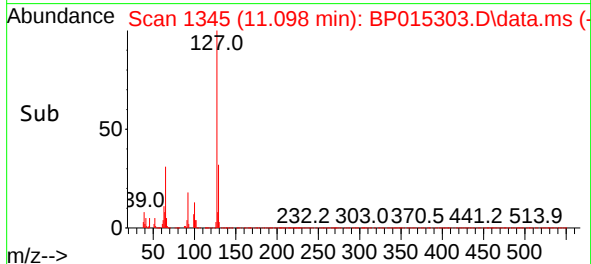
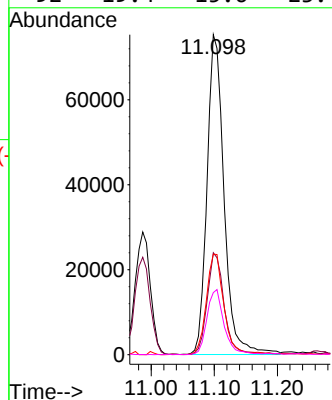
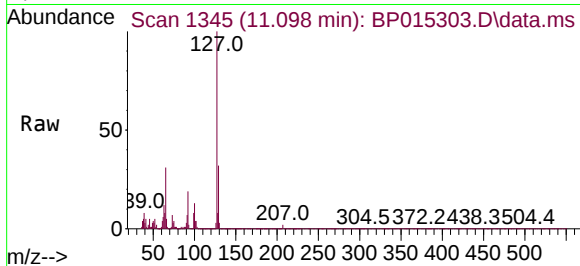
#33
4-Chloroaniline
Concen: 6.774 ng
RT: 11.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.5	38.3
65	31.4	25.3	37.9
92	19.4	15.6	23.4

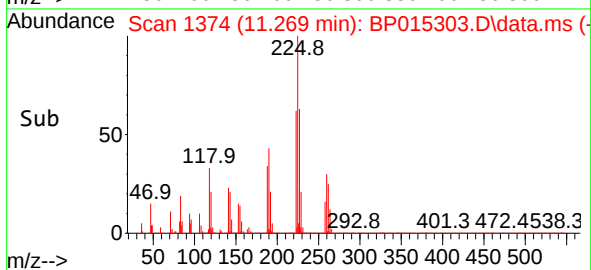
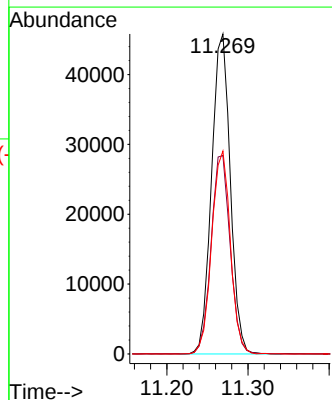
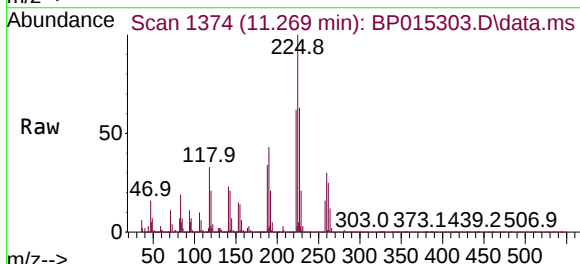
Manual Integrations
APPROVED

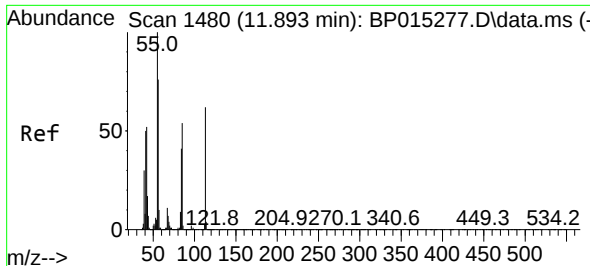
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#34
Hexachlorobutadiene
Concen: 6.934 ng
RT: 11.269 min Scan# 1374
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

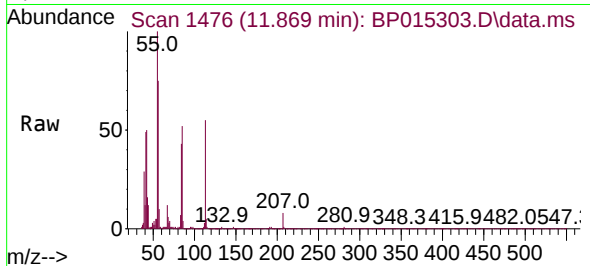
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.0	76.4
227	63.4	51.4	77.2





#35
Caprolactam
Concen: 6.361 ng
RT: 11.869 min Scan# 1480
Delta R.T. -0.024 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

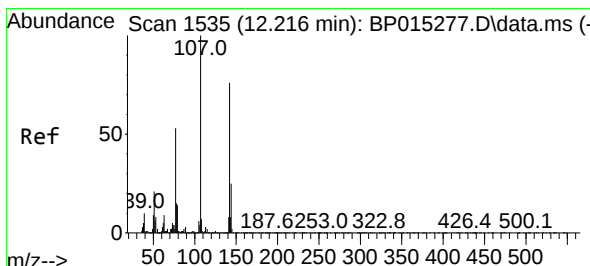
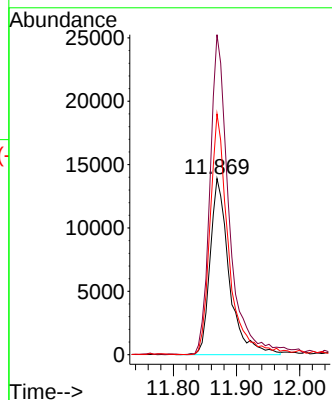
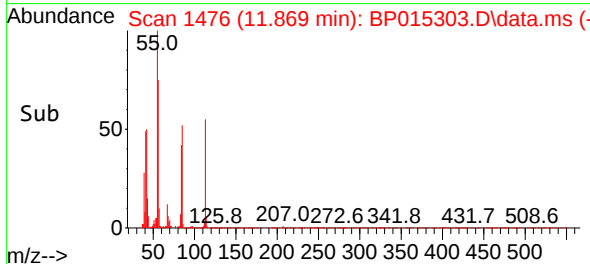
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:113 Resp: 2917
Ion Ratio Lower Upper
113 100
55 181.6 141.4 181.4
56 136.7 102.5 142.5

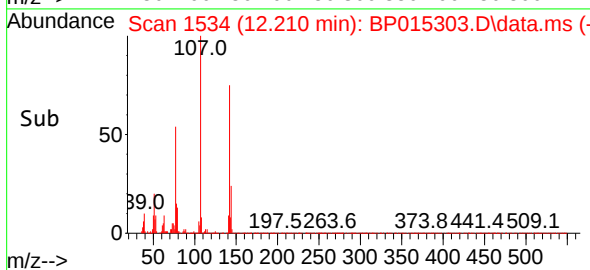
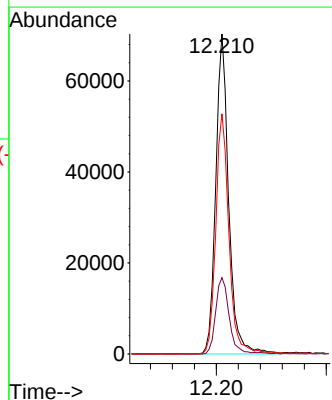
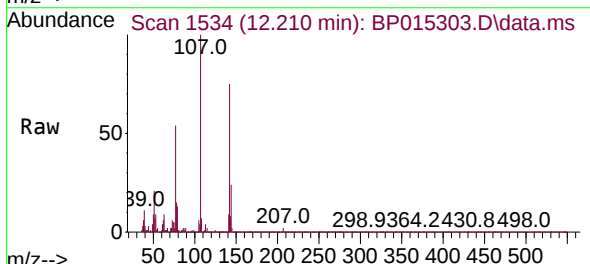
Manual Integrations
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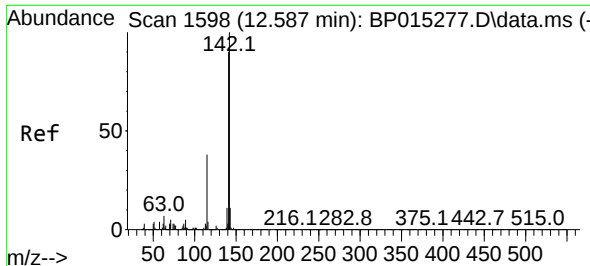
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#36
4-Chloro-3-methylphenol
Concen: 7.073 ng
RT: 12.210 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

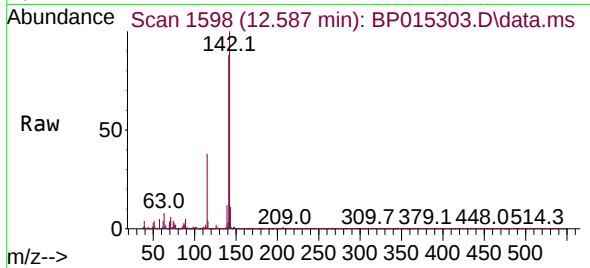
Tgt Ion:107 Resp: 114894
Ion Ratio Lower Upper
107 100
144 23.9 19.8 29.6
142 75.0 61.0 91.4





#37
2-Methylnaphthalene
Concen: 7.214 ng
RT: 12.587 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

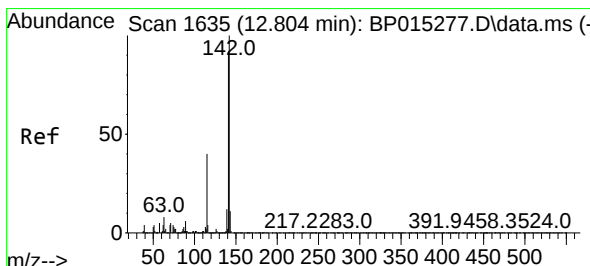
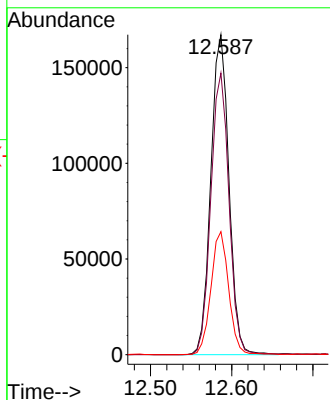
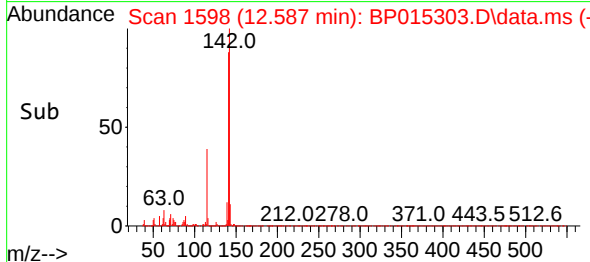
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2023



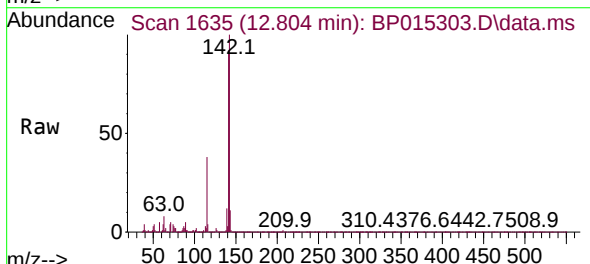
Tgt Ion:142 Resp: 25927
Ion Ratio Lower Upper
142 100
141 88.0 72.0 108.0
115 38.4 30.6 46.0

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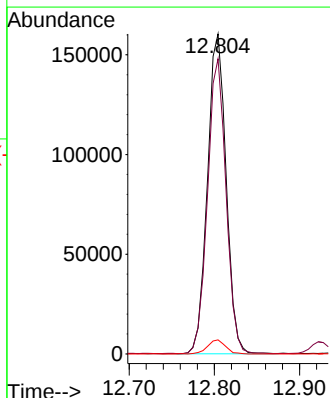
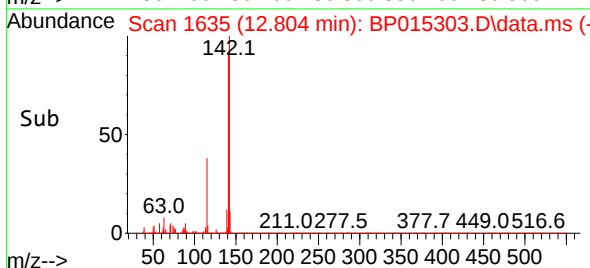
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

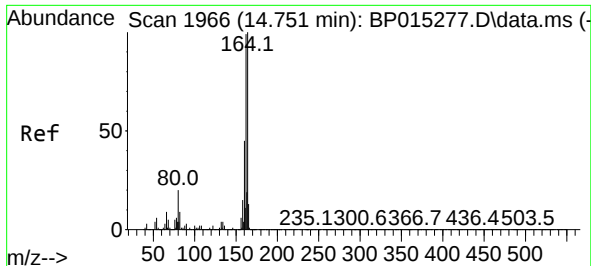


#38
1-Methylnaphthalene
Concen: 7.281 ng
RT: 12.804 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



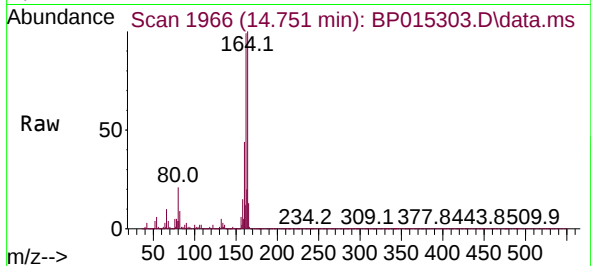
Tgt Ion:142 Resp: 244127
Ion Ratio Lower Upper
142 100
141 92.3 73.8 110.6
116 4.4 3.4 5.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.751 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

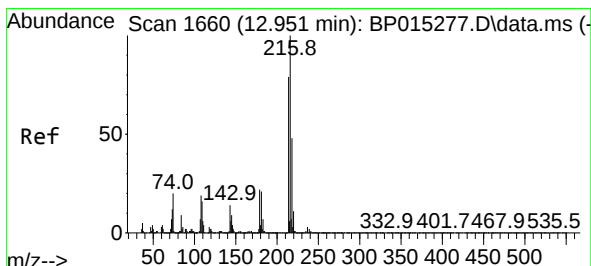
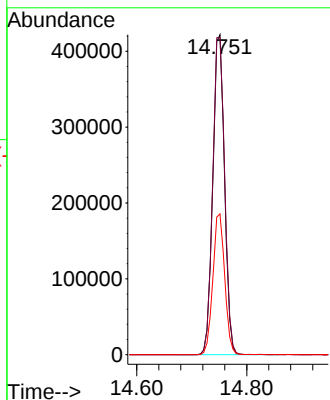
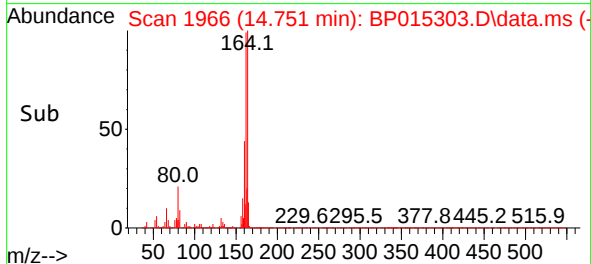
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



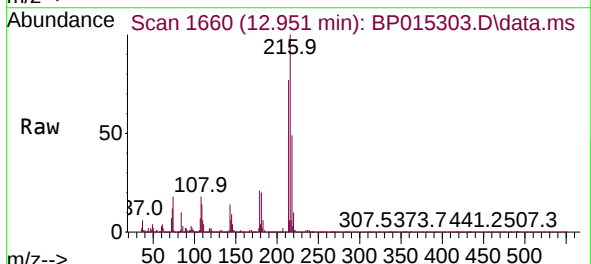
Tgt Ion:164 Resp: 623019
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.2
160 44.0 35.6 53.4

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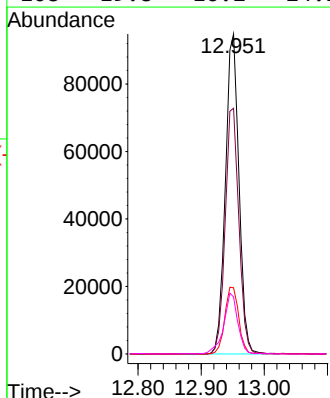
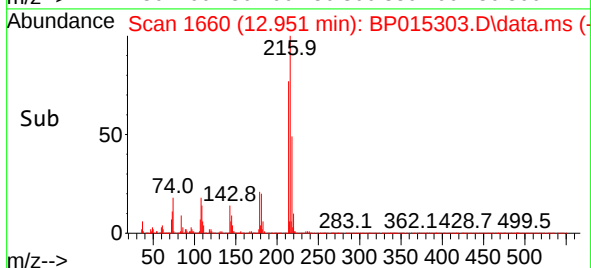
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

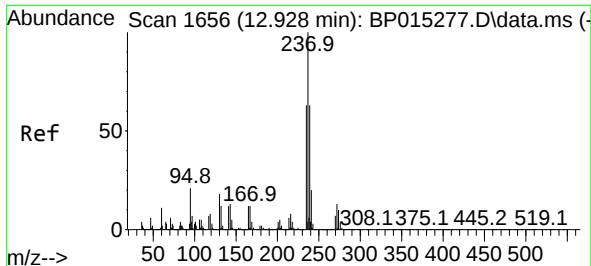


#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.884 ng
RT: 12.951 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



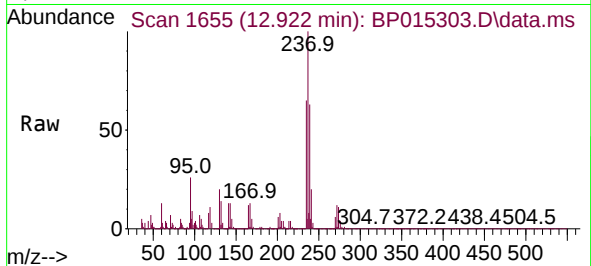
Tgt Ion:216 Resp: 140732
Ion Ratio Lower Upper
216 100
214 77.8 63.0 94.4
179 21.4 17.3 25.9
108 19.8 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 6.453 ng
RT: 12.922 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

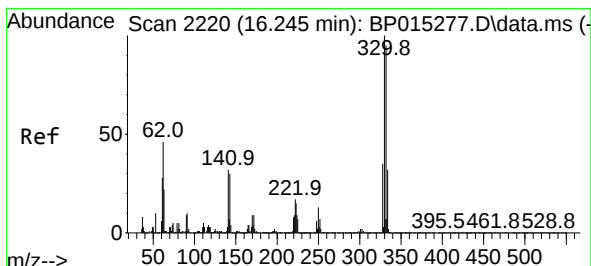
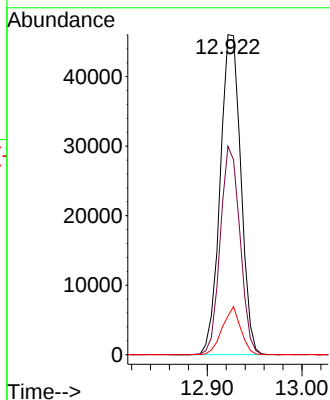
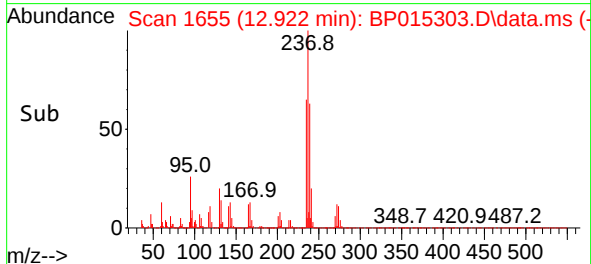
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



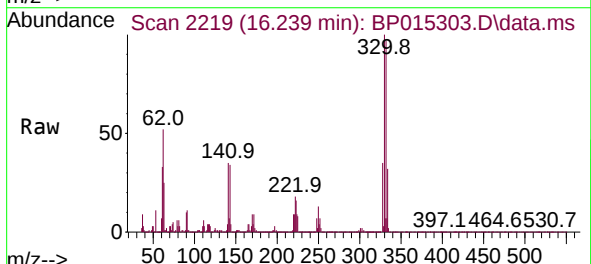
Tgt Ion: 237 Resp: 6987
Ion Ratio Lower Upper
237 100
235 65.1 43.2 83.2
272 12.0 0.0 32.7

Manual Integrations
APPROVED

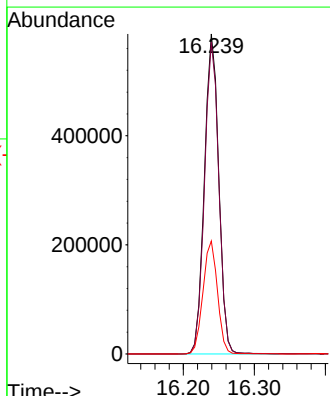
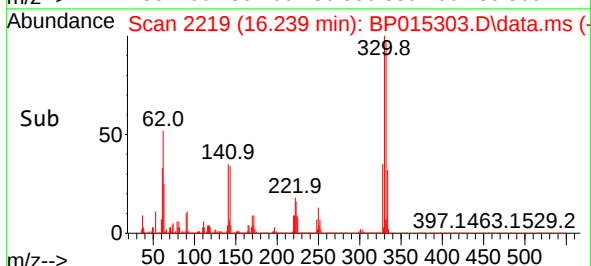
Reviewed By : Christian Giraldo 05/30/2023
Supervised By : Jagrut Upadhyay 05/31/2023

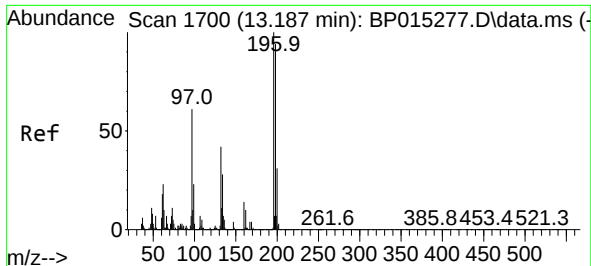


#42
2,4,6-Tribromophenol
Concen: 97.577 ng
RT: 16.239 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



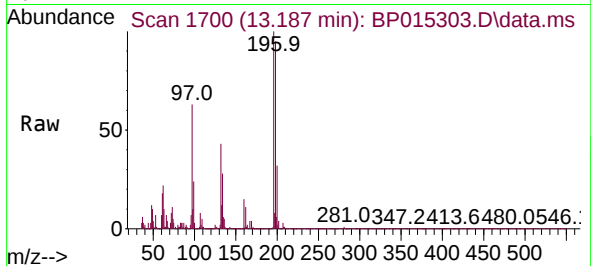
Tgt Ion: 330 Resp: 826127
Ion Ratio Lower Upper
330 100
332 97.2 76.3 114.5
141 35.6 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 6.450 ng
RT: 13.187 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

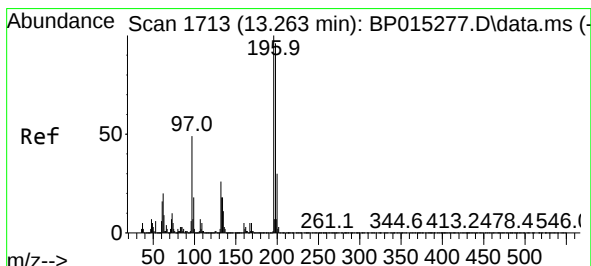
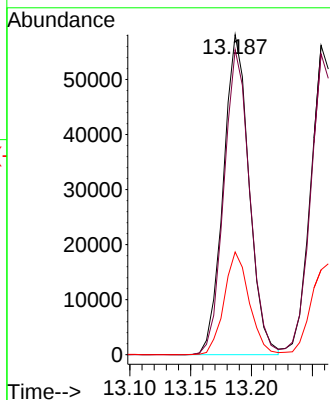
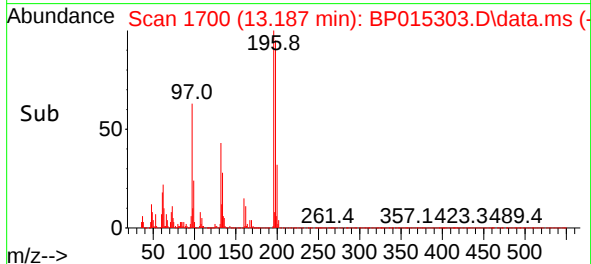
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



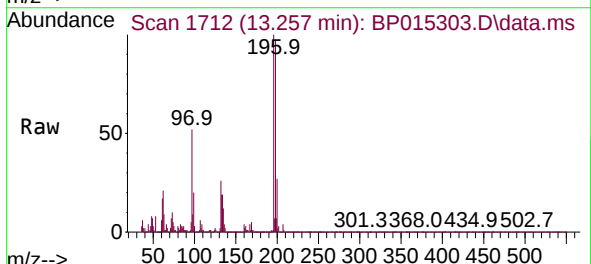
Tgt Ion:196 Resp: 8559
Ion Ratio Lower Upper
196 100
198 95.3 75.0 112.4
200 32.1 24.4 36.6

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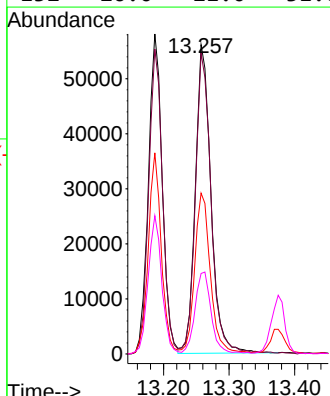
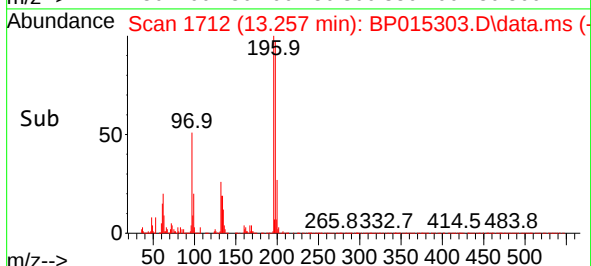
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

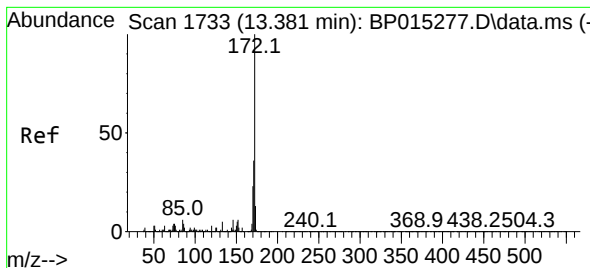


#44
2,4,5-Trichlorophenol
Concen: 5.973 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



Tgt Ion:196 Resp: 93180
Ion Ratio Lower Upper
196 100
198 97.2 76.8 115.2
97 52.0 39.3 58.9
132 26.0 21.0 31.6





#45

2-Fluorobiphenyl

Concen: 65.965 ng

RT: 13.375 min Scan# 1733

Delta R.T. -0.006 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion:172 Resp: 3061140

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

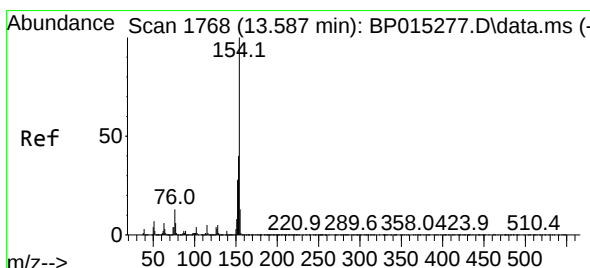
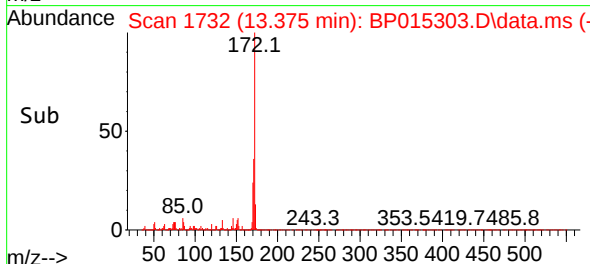
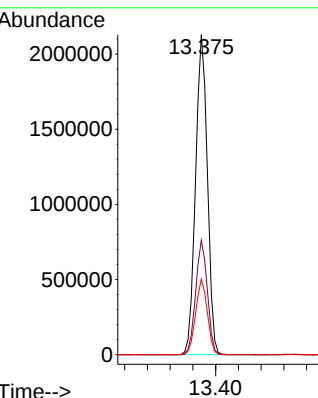
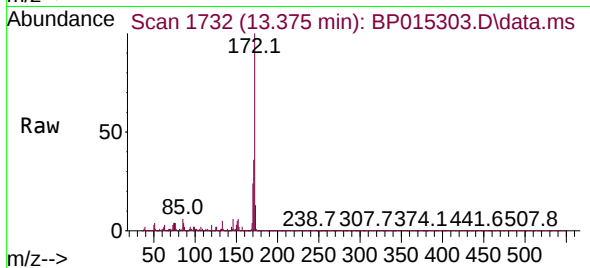
170 23.6 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#46

1,1'-Biphenyl

Concen: 7.119 ng

RT: 13.587 min Scan# 1768

Delta R.T. -0.000 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

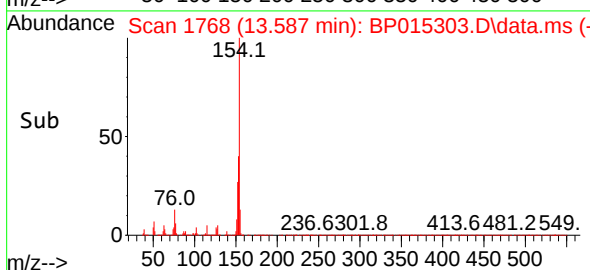
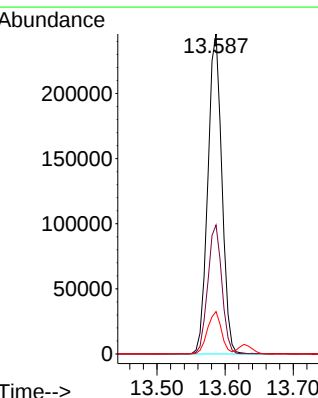
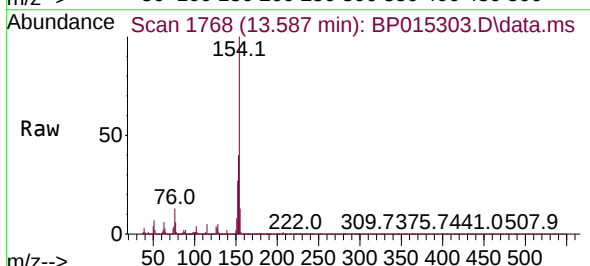
Tgt Ion:154 Resp: 351432

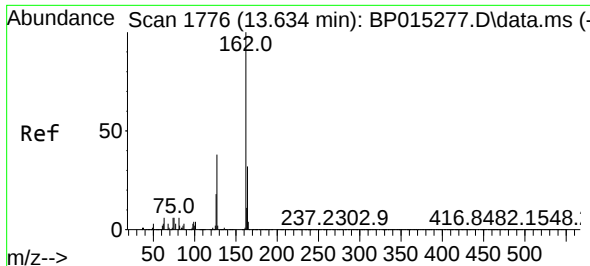
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

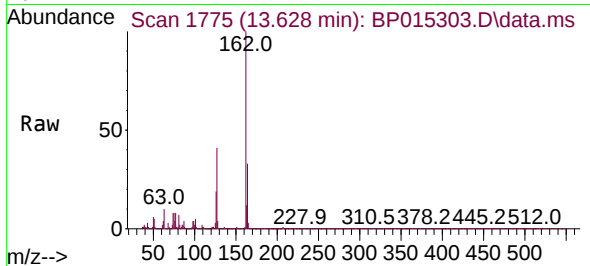
76 13.2 0.0 33.1





#47
2-Chloronaphthalene
Concen: 7.069 ng
RT: 13.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

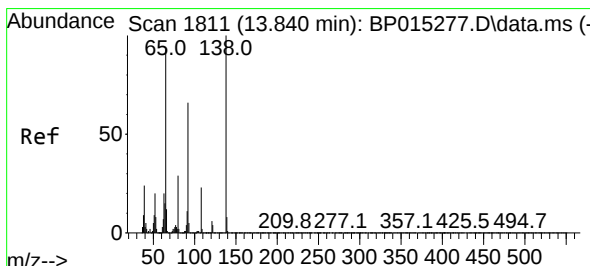
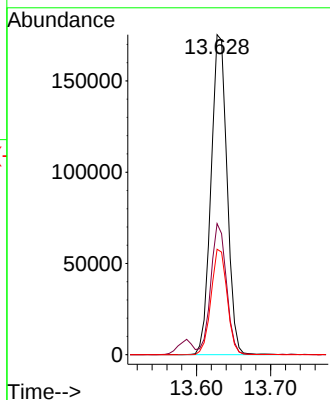
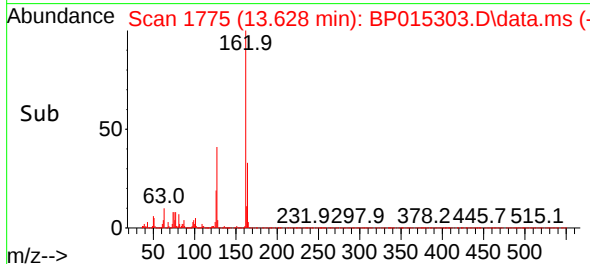
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:162 Resp: 26324
Ion Ratio Lower Upper
162 100
127 41.0 31.7 47.5
164 33.0 25.8 38.8

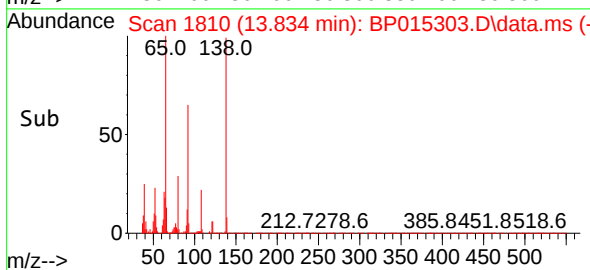
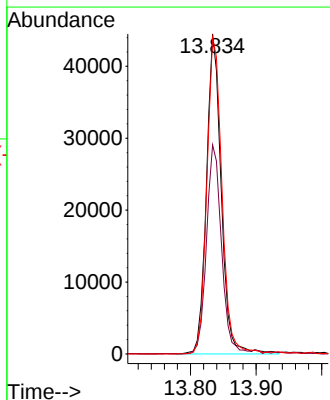
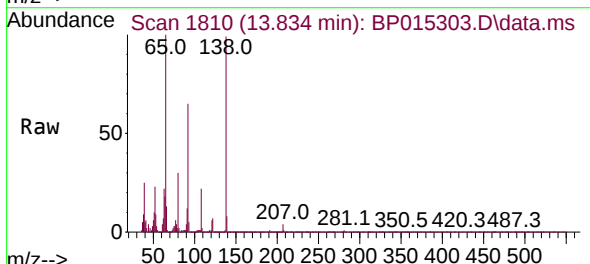
Manual Integrations
APPROVED

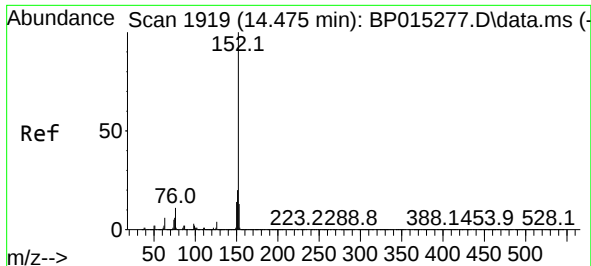
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#48
2-Nitroaniline
Concen: 6.124 ng
RT: 13.834 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

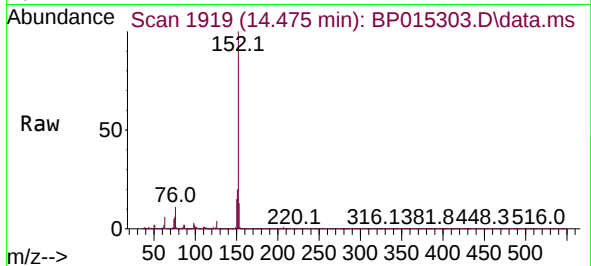
Tgt Ion: 65 Resp: 69658
Ion Ratio Lower Upper
65 100
92 65.3 56.5 84.7
138 99.0 85.7 128.5





#49
Acenaphthylene
Concen: 6.867 ng
RT: 14.475 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

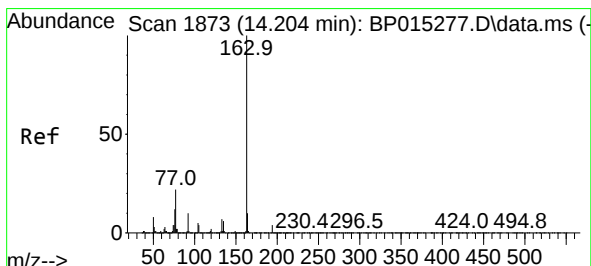
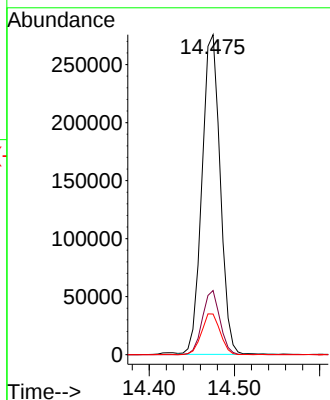
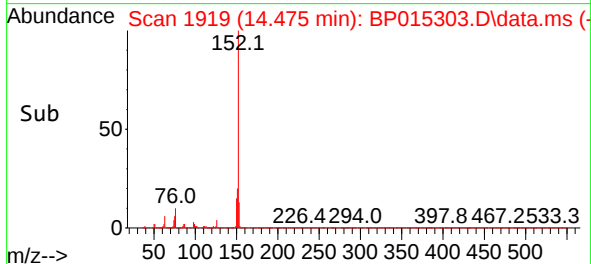
Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT2-2023



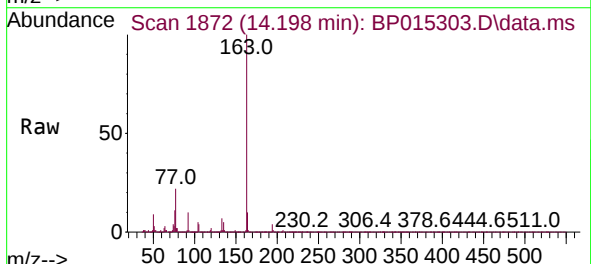
Tgt Ion: 152 Resp: 40918
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 12.7 10.6 16.0

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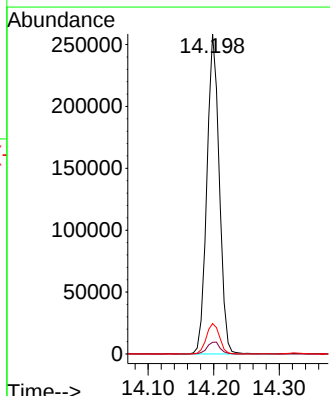
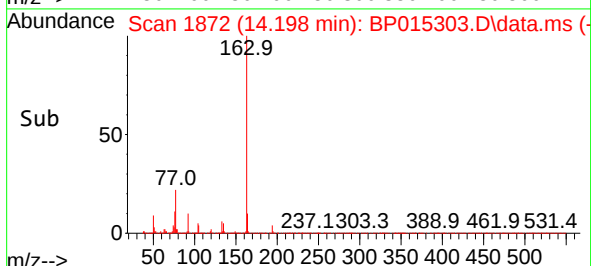
Reviewed By : Christian Giraldo 05/30/2023
Supervised By : Jagrut Upadhyay 05/31/2023

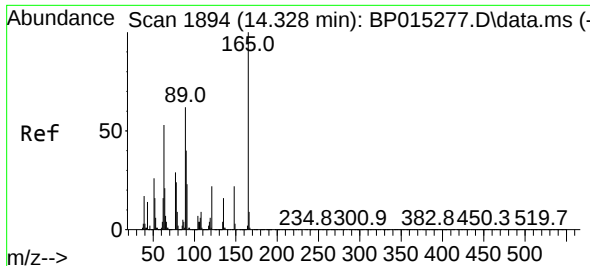


#50
Dimethylphthalate
Concen: 6.973 ng
RT: 14.198 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



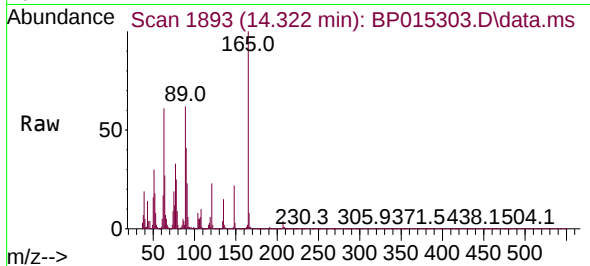
Tgt Ion: 163 Resp: 339852
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.5 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 6.630 ng
RT: 14.322 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

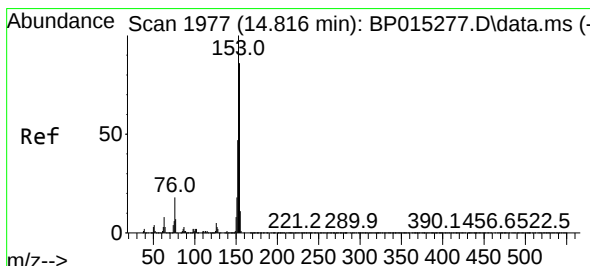
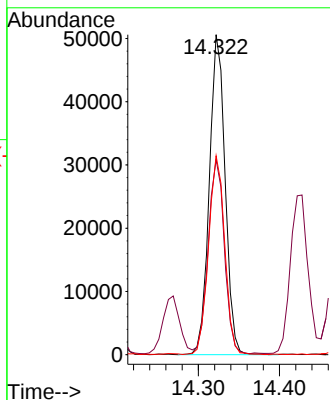
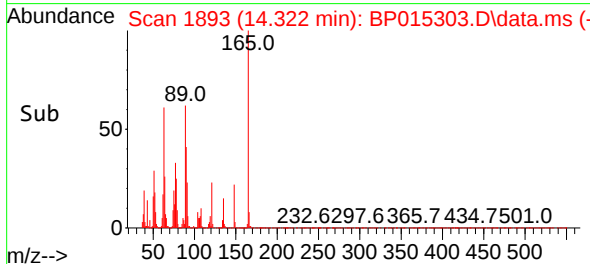
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:165 Resp: 68220
Ion Ratio Lower Upper
165 100
63 60.9 46.6 70.0
89 62.1 49.7 74.5

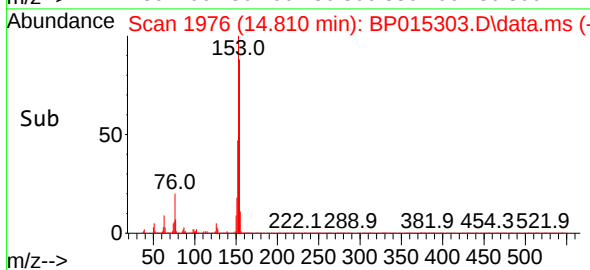
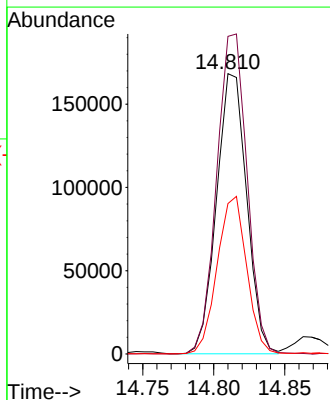
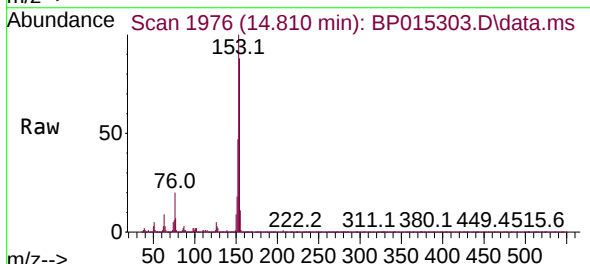
Manual Integrations
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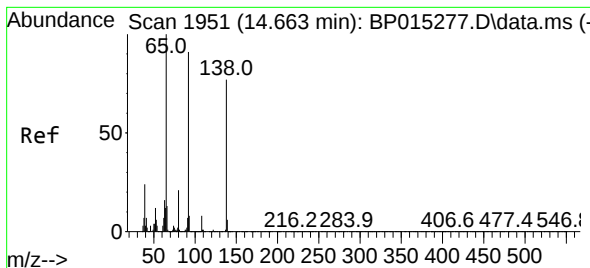
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#52
Acenaphthene
Concen: 7.021 ng
RT: 14.810 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:154 Resp: 249149
Ion Ratio Lower Upper
154 100
153 113.3 92.8 139.2
152 53.7 44.0 66.0





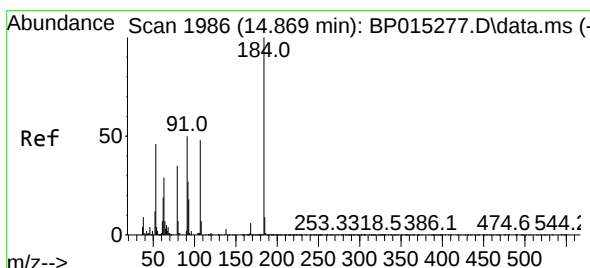
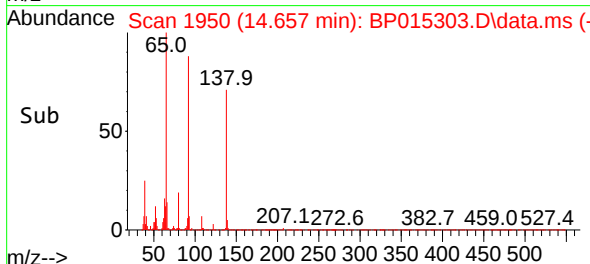
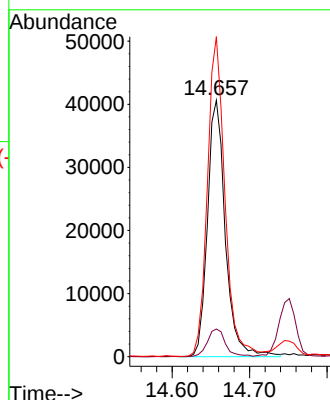
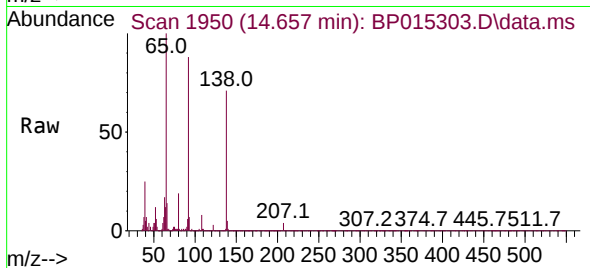
#53
3-Nitroaniline
Concen: 6.186 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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

Tgt Ion:138 Resp: 65059
Ion Ratio Lower Upper
138 100
108 10.8 8.6 13.0
92 124.8 94.0 141.0

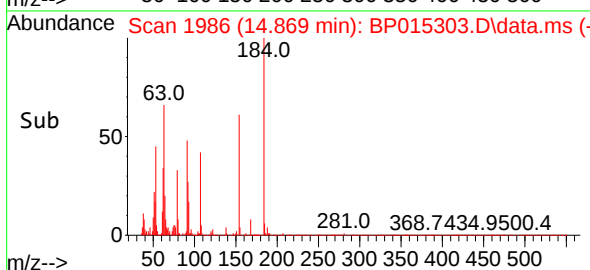
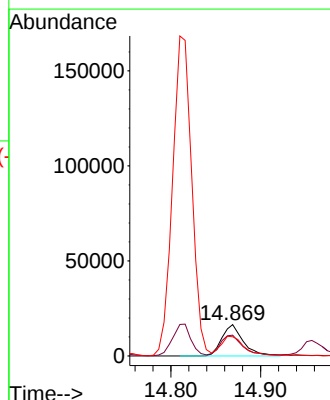
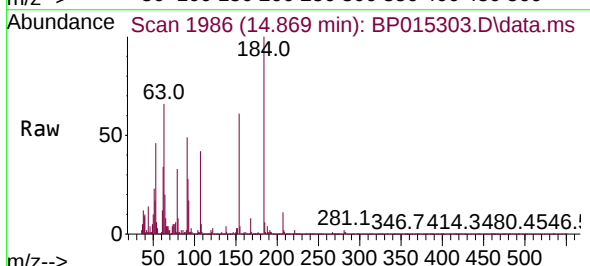
Manual Integrations
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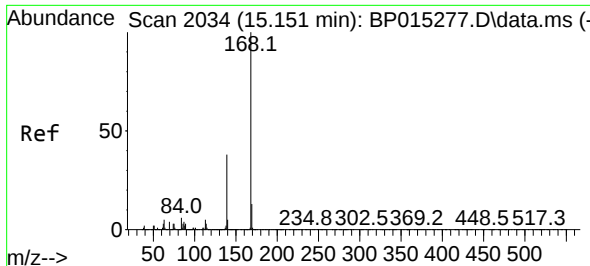
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#54
2,4-Dinitrophenol
Concen: 8.879 ng
RT: 14.869 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

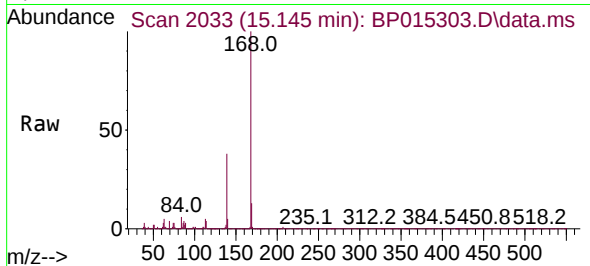
Tgt Ion:184 Resp: 27335
Ion Ratio Lower Upper
184 100
63 66.2 56.2 84.4
154 61.4 53.2 79.8





#55
Dibenzenofuran
Concen: 7.110 ng
RT: 15.145 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

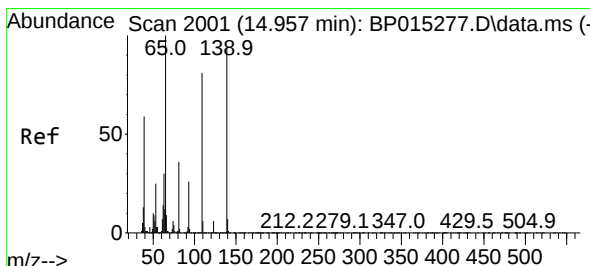
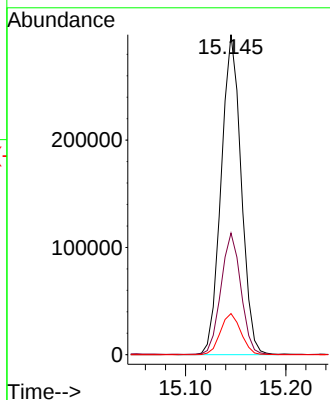
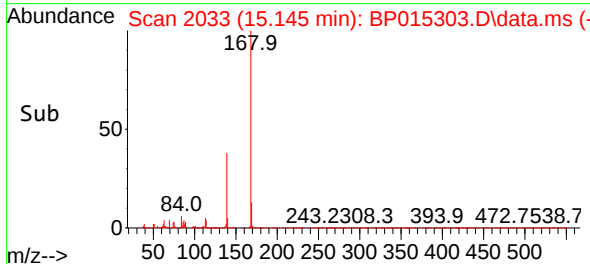
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:168 Resp: 412780
Ion Ratio Lower Upper
168 100
139 38.0 30.1 45.1
169 12.9 10.6 15.8

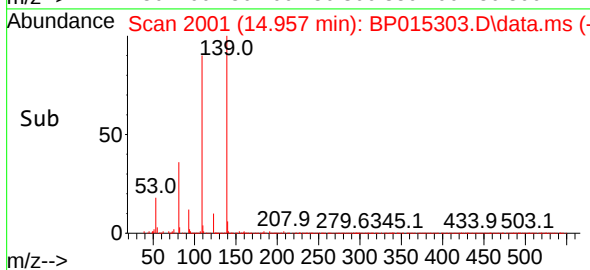
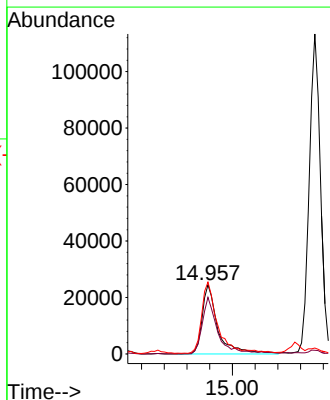
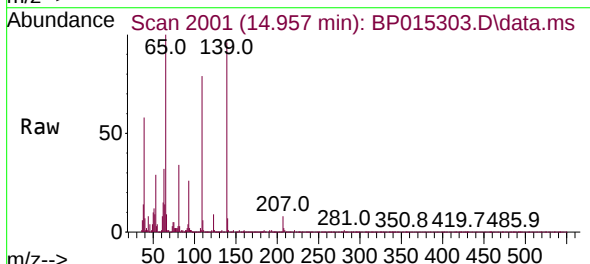
Manual Integrations
APPROVED

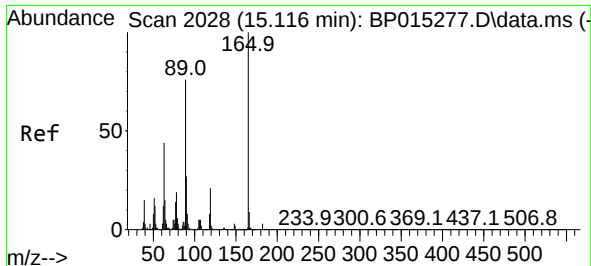
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#56
4-Nitrophenol
Concen: 8.274 ng
RT: 14.957 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:139 Resp: 46778
Ion Ratio Lower Upper
139 100
109 81.9 66.5 106.5
65 103.9 86.6 126.6





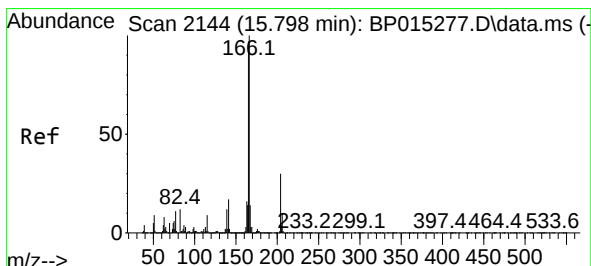
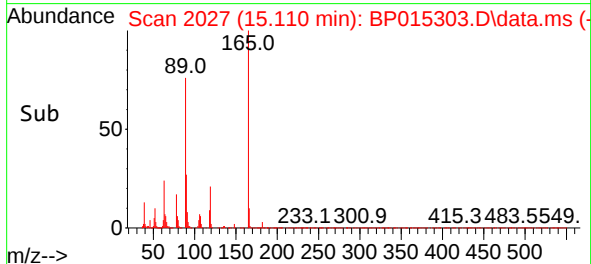
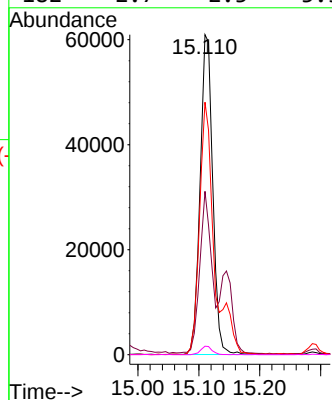
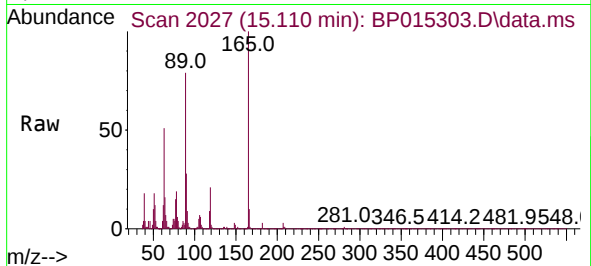
#57
2,4-Dinitrotoluene
Concen: 6.517 ng
RT: 15.110 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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

Tgt Ion:165 Resp: 8817
Ion Ratio Lower Upper
165 100
63 51.0 35.7 53.5
89 78.9 60.8 91.2
182 2.7 2.3 3.5

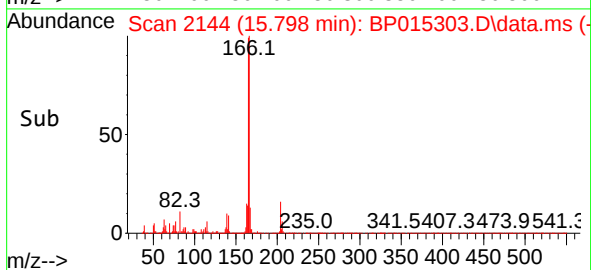
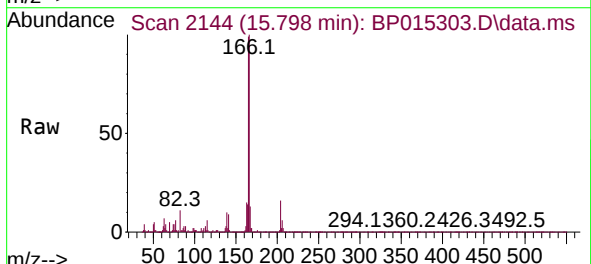
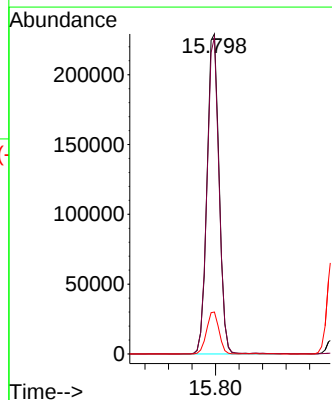
Manual Integrations
APPROVED

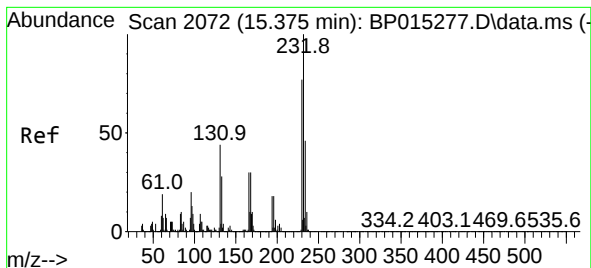
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#58
Fluorene
Concen: 7.275 ng
RT: 15.798 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:166 Resp: 326173
Ion Ratio Lower Upper
166 100
165 99.0 77.5 116.3
167 13.1 10.9 16.3





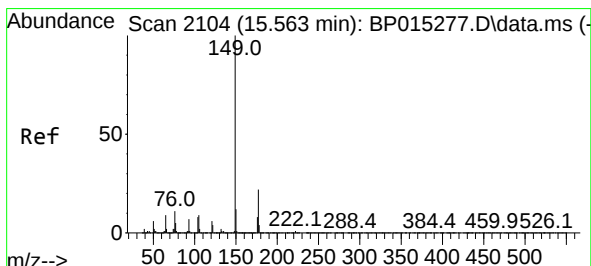
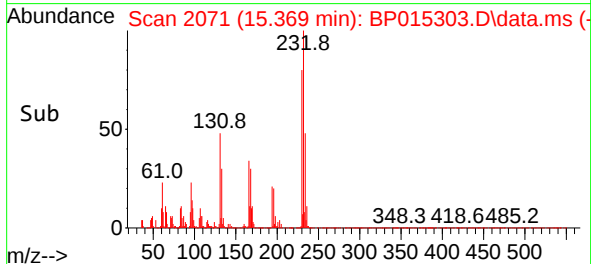
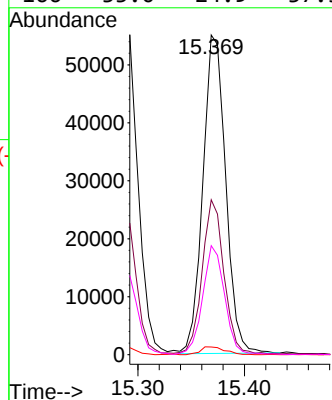
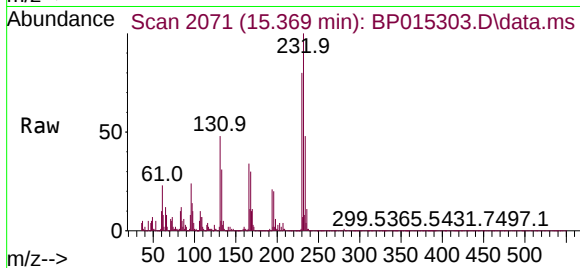
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.552 ng
RT: 15.369 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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

Tgt Ion:232 Resp: 81749
Ion Ratio Lower Upper
232 100
131 47.1 36.2 54.2
130 2.6 2.0 3.0
166 33.0 24.9 37.3

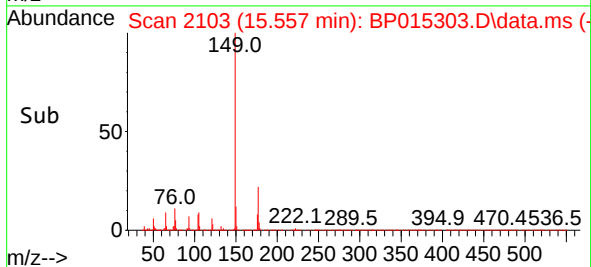
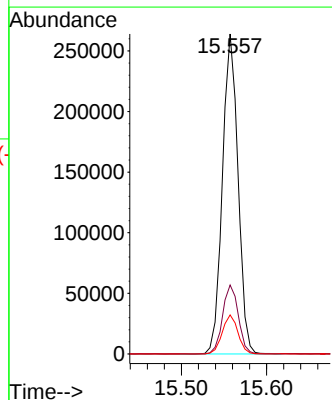
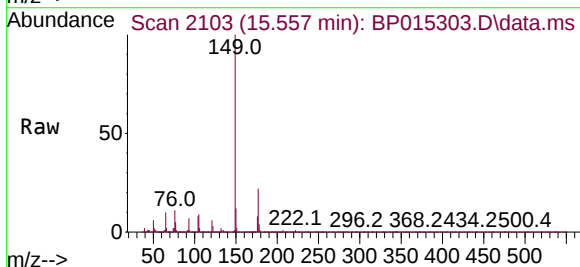
Manual Integrations
APPROVED

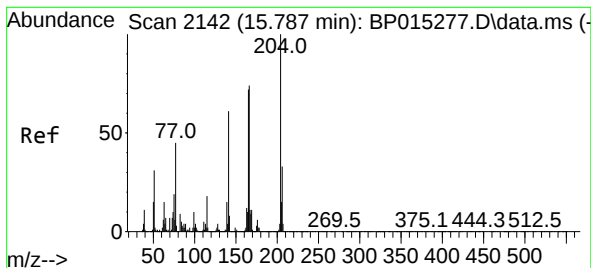
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#60
Diethylphthalate
Concen: 6.916 ng
RT: 15.557 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

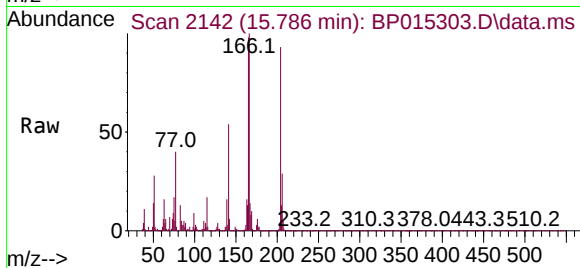
Tgt Ion:149 Resp: 335812
Ion Ratio Lower Upper
149 100
177 21.6 17.7 26.5
150 12.2 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 7.282 ng
RT: 15.786 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

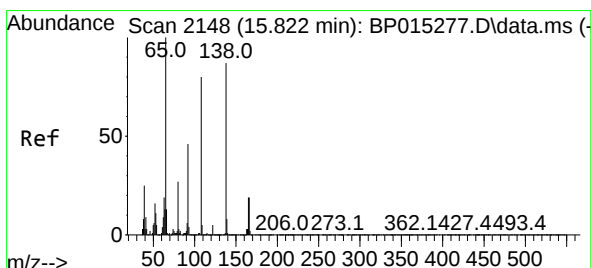
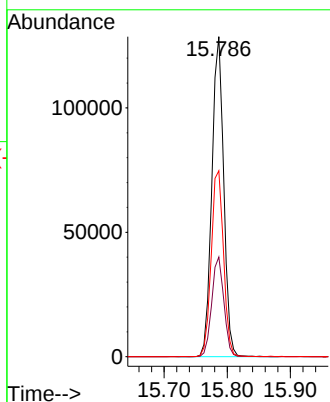
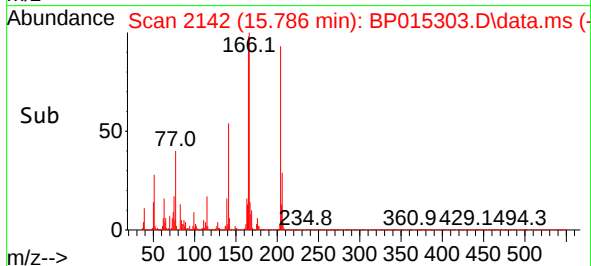
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



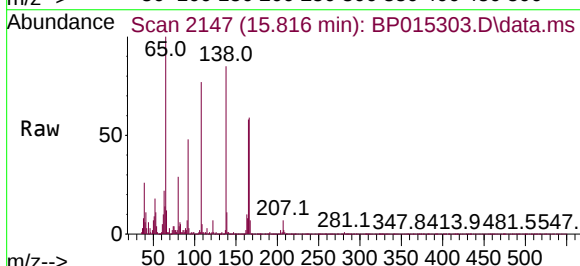
Tgt Ion:204 Resp: 16718
Ion Ratio Lower Upper
204 100
206 31.1 26.4 39.6
141 58.1 49.0 73.4

Manual Integrations
APPROVED

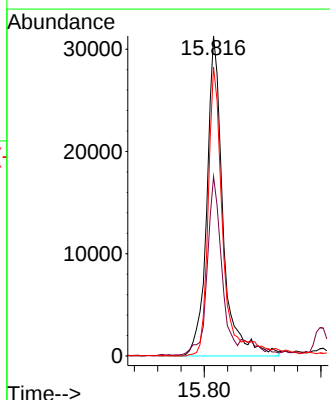
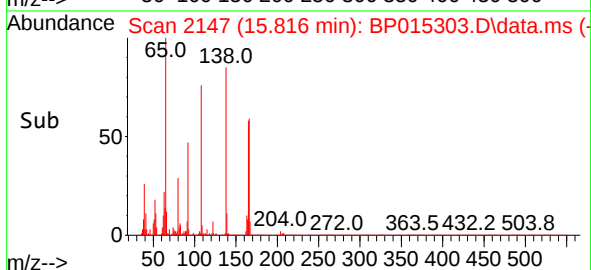
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023

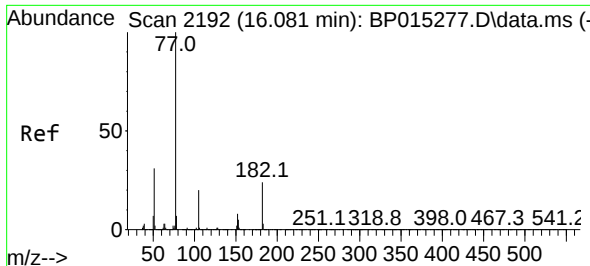


#62
4-Nitroaniline
Concen: 7.381 ng m
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12



Tgt Ion:138 Resp: 60297
Ion Ratio Lower Upper
138 100
92 56.1 33.1 73.1
108 90.2 71.0 111.0





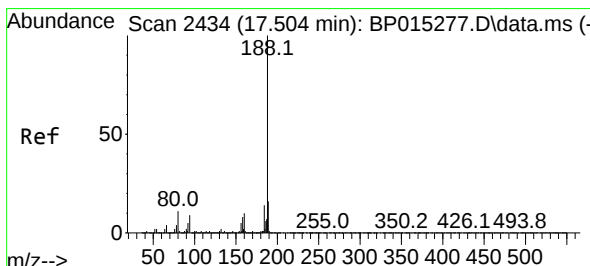
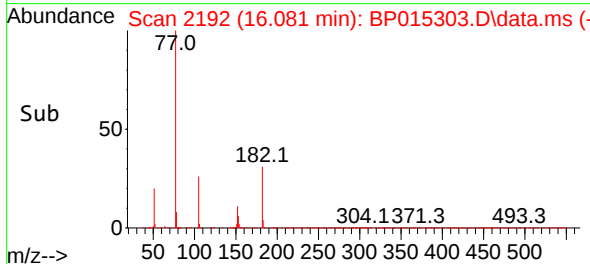
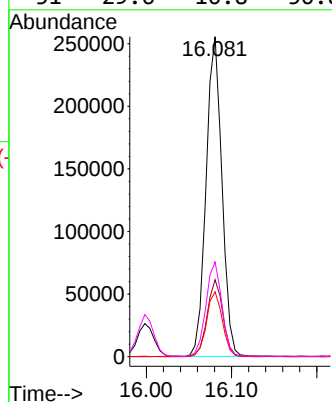
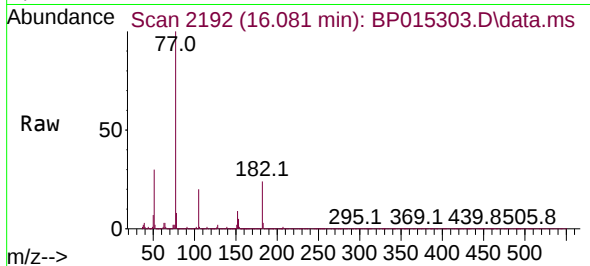
#63
Azobenzene
Concen: 7.121 ng
RT: 16.081 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.0	3.9	43.9
105	20.3	0.3	40.3
51	29.6	10.8	50.8

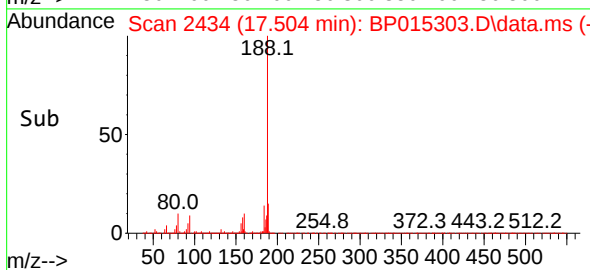
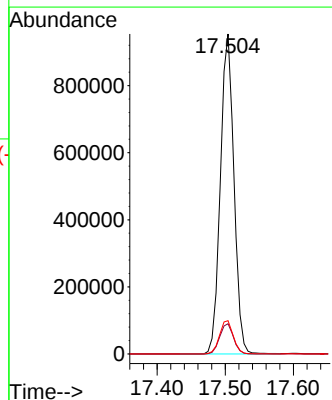
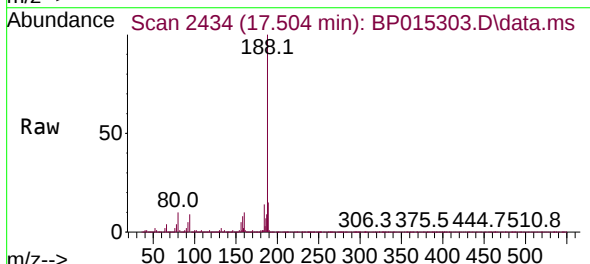
Manual Integrations
APPROVED

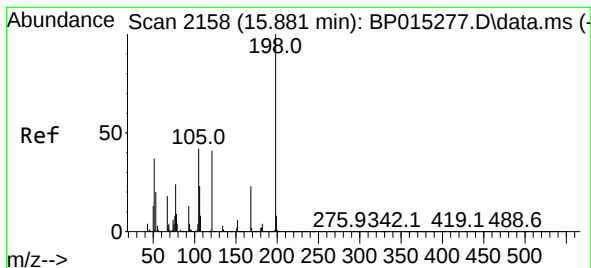
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2434
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.0
80	10.4	8.6	13.0





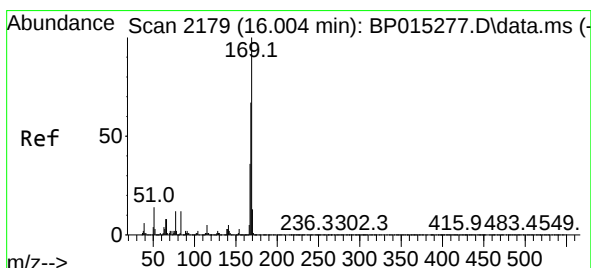
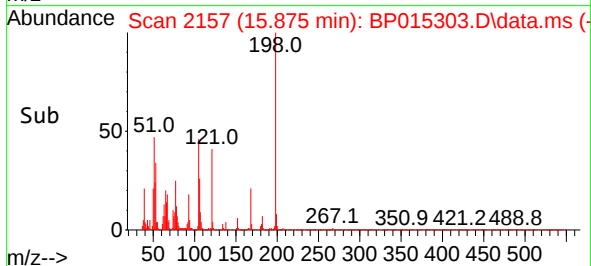
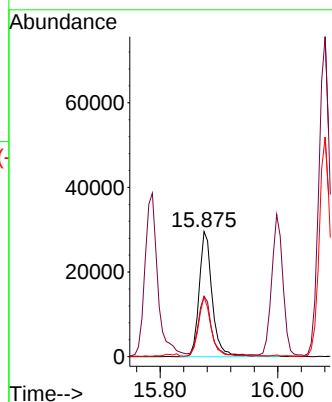
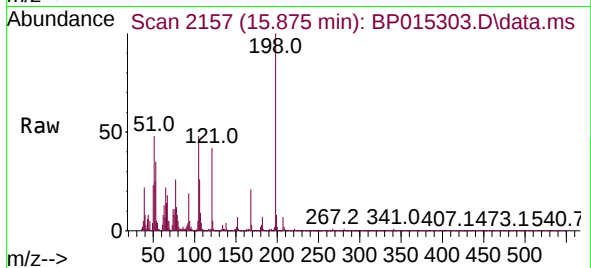
#65
4,6-Dinitro-2-methylphenol
Concen: 5.646 ng
RT: 15.875 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

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

Tgt Ion:198 Resp: 45309
Ion Ratio Lower Upper
198 100
51 48.2 25.4 65.4
105 47.9 23.3 63.3

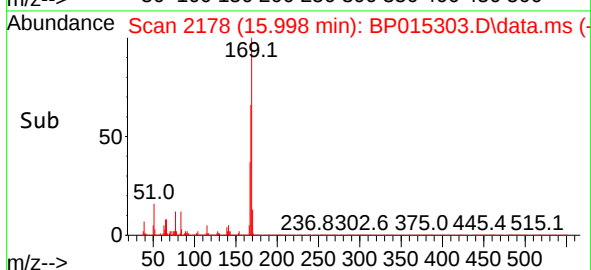
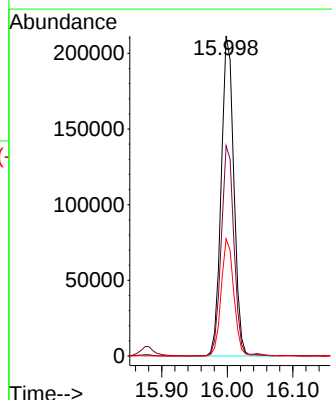
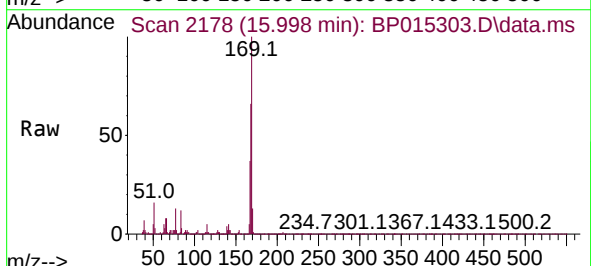
Manual Integrations
APPROVED

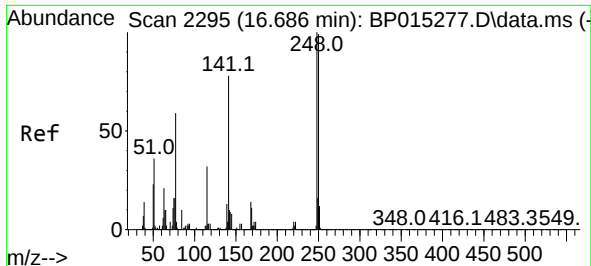
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#66
n-Nitrosodiphenylamine
Concen: 7.148 ng
RT: 15.998 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

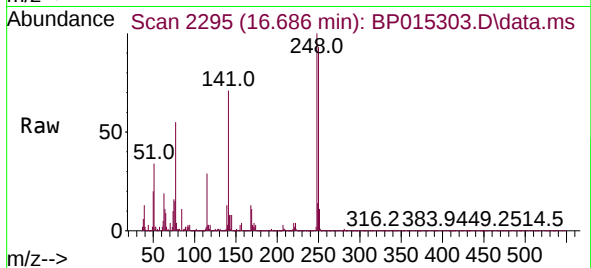
Tgt Ion:169 Resp: 281449
Ion Ratio Lower Upper
169 100
168 65.7 53.4 80.2
167 36.6 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 6.928 ng
RT: 16.686 min Scan# 2295
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

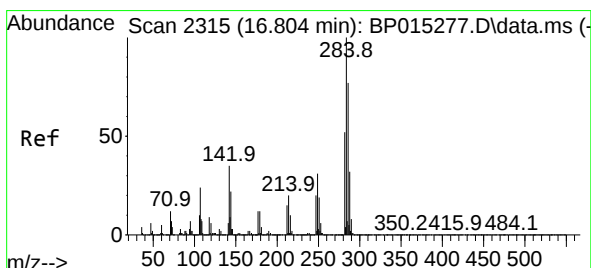
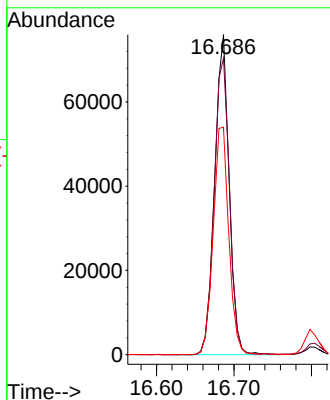
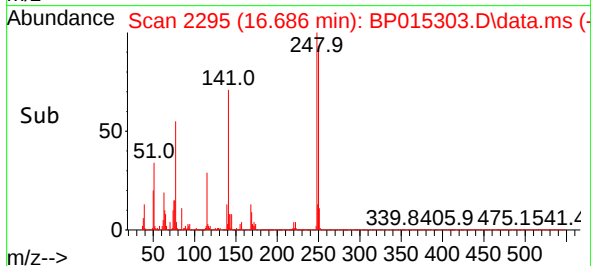
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:248 Resp: 98984
Ion Ratio Lower Upper
248 100
250 92.6 79.0 118.4
141 71.1 62.4 93.6

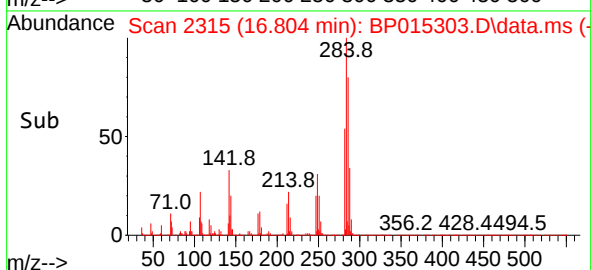
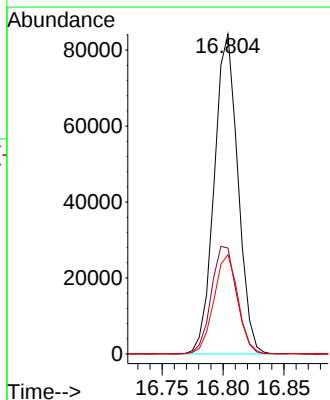
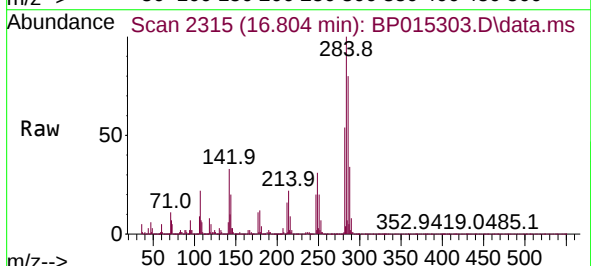
Manual Integrations
APPROVED

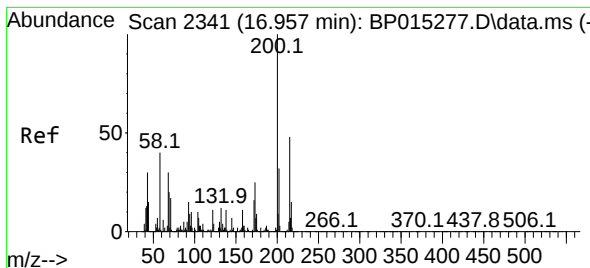
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#68
Hexachlorobenzene
Concen: 7.249 ng
RT: 16.804 min Scan# 2315
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:284 Resp: 114057
Ion Ratio Lower Upper
284 100
142 33.1 28.2 42.2
249 31.0 25.0 37.6





#69

Atrazine

Concen: 7.650 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015303.D

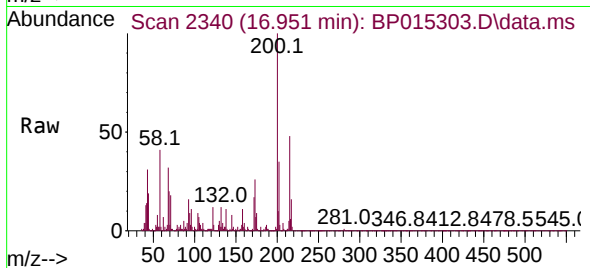
Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023



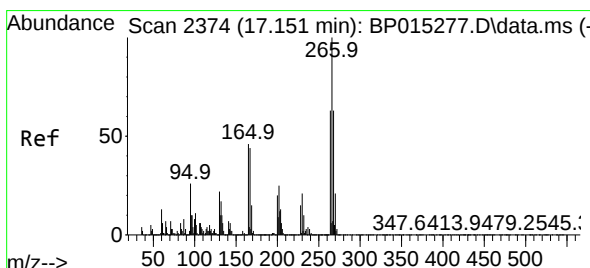
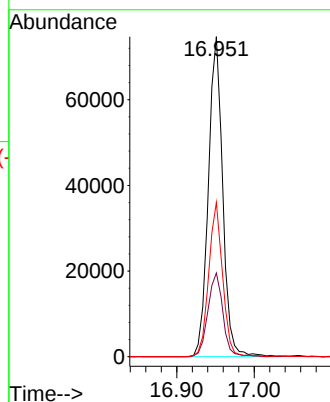
Tgt Ion:	200	Resp:	96180
Ion Ratio	Lower	Upper	
200	100		
173	26.2	4.7	44.7
215	48.2	27.5	67.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#70

Pentachlorophenol

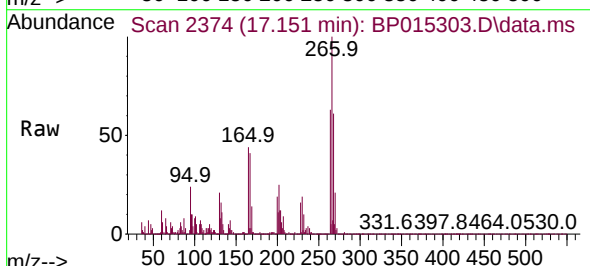
Concen: 5.341 ng

RT: 17.151 min Scan# 2374

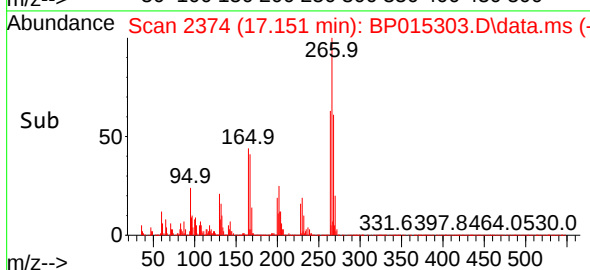
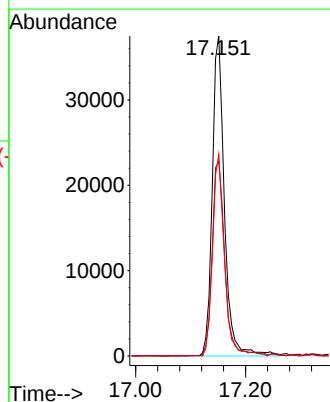
Delta R.T. -0.000 min

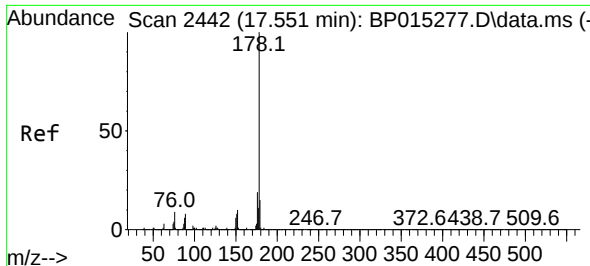
Lab File: BP015303.D

Acq: 26 May 2023 11:12



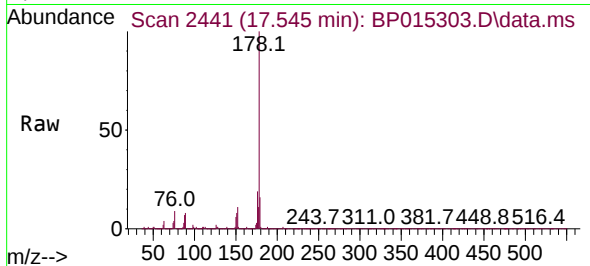
Tgt Ion:	266	Resp:	57583
Ion Ratio	Lower	Upper	
266	100		
268	60.8	50.0	75.0
264	63.1	50.4	75.6





#71
Phenanthrene
Concen: 7.097 ng
RT: 17.545 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

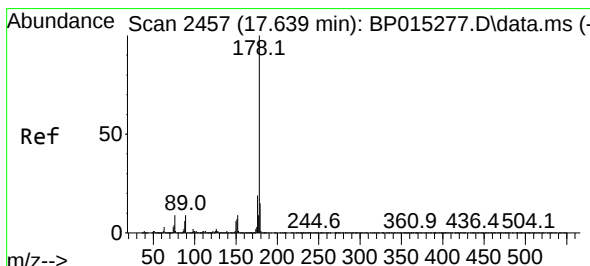
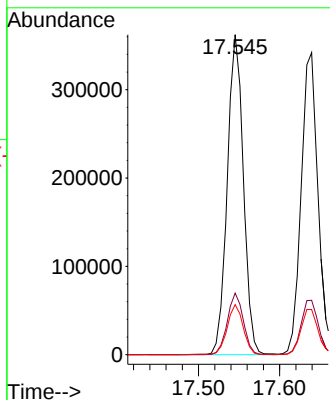
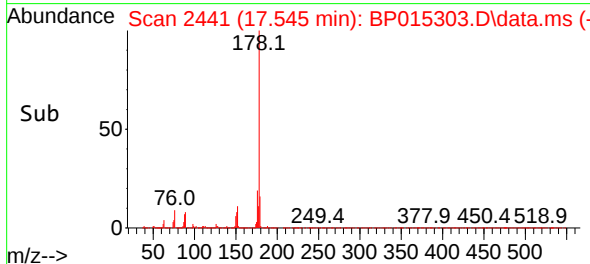
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:178 Resp: 49975
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 12.3 18.5

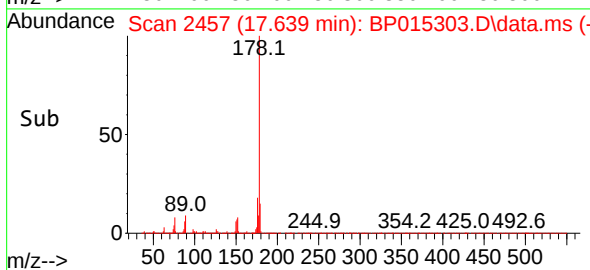
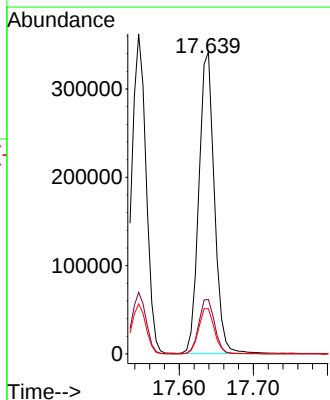
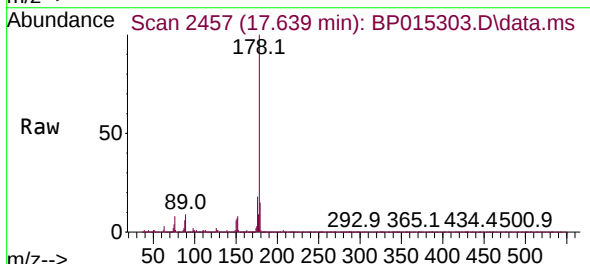
Manual Integrations
APPROVED

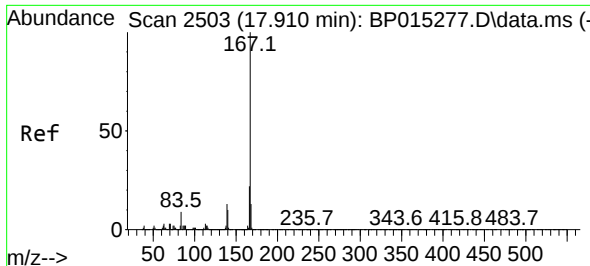
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#72
Anthracene
Concen: 7.026 ng
RT: 17.639 min Scan# 2457
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

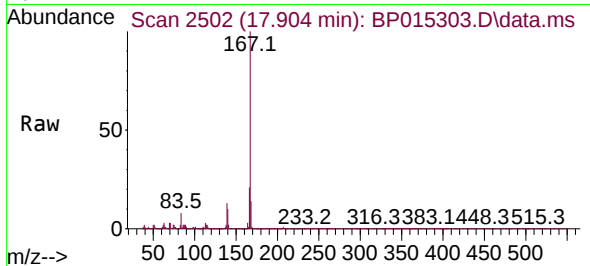
Tgt Ion:178 Resp: 495505
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 14.9 12.2 18.4





#73
 Carbazole
 Concen: 6.914 ng
 RT: 17.904 min Scan# 2503
 Delta R.T. -0.006 min
 Lab File: BP015303.D
 Acq: 26 May 2023 11:12

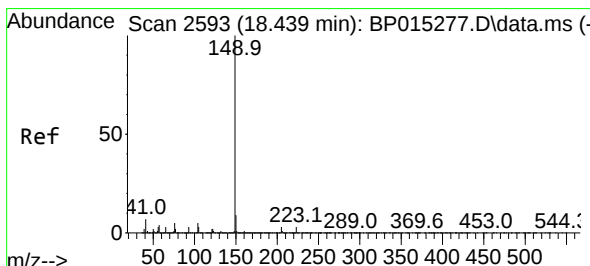
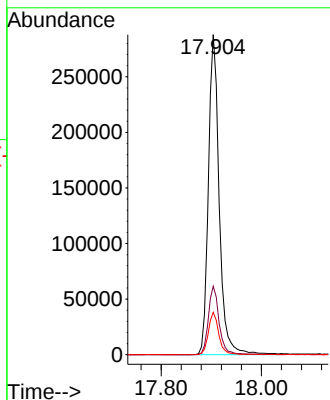
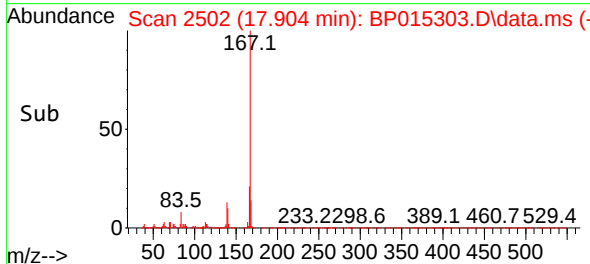
Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2023



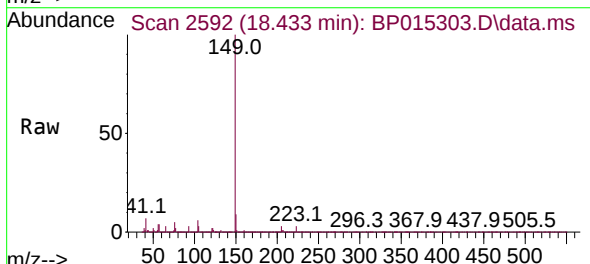
Tgt Ion:167 Resp: 431774
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.0
 139 13.3 10.2 15.2

Manual Integrations
 APPROVED

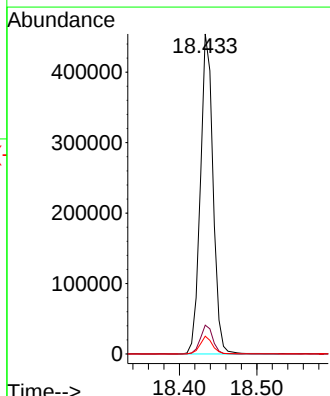
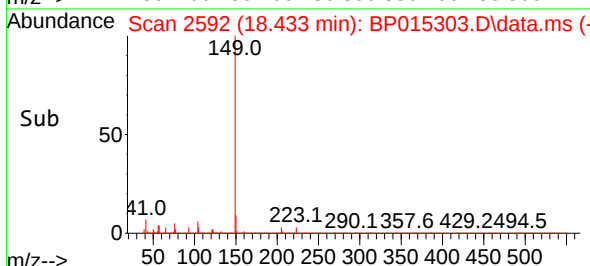
Reviewed By :Christian Giraldo 05/30/2023
 Supervised By :Jagrut Upadhyay 05/31/2023

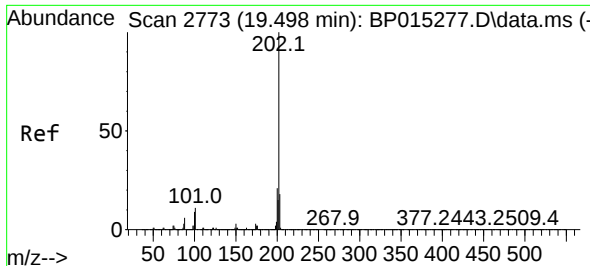


#74
 Di-n-butylphthalate
 Concen: 6.426 ng
 RT: 18.433 min Scan# 2592
 Delta R.T. -0.006 min
 Lab File: BP015303.D
 Acq: 26 May 2023 11:12



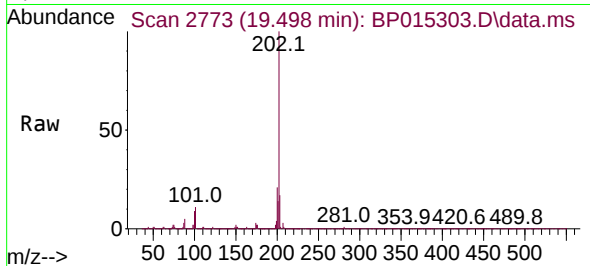
Tgt Ion:149 Resp: 515367
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.3 10.9
 104 5.5 4.4 6.6





#75
Fluoranthene
Concen: 6.586 ng
RT: 19.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

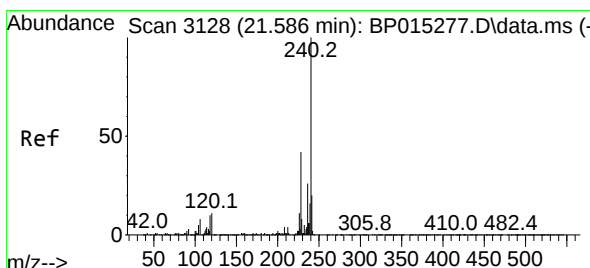
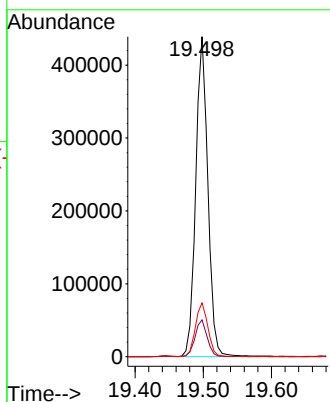
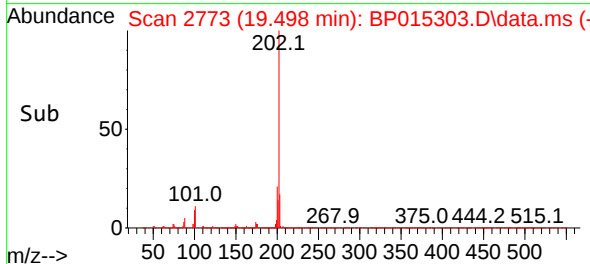
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:202 Resp: 54181
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 16.8 0.0 37.6

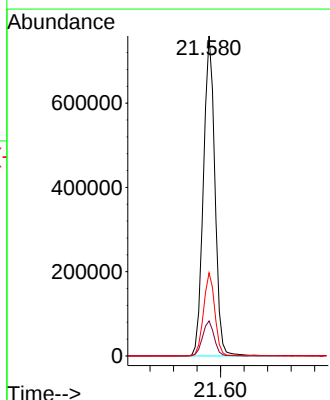
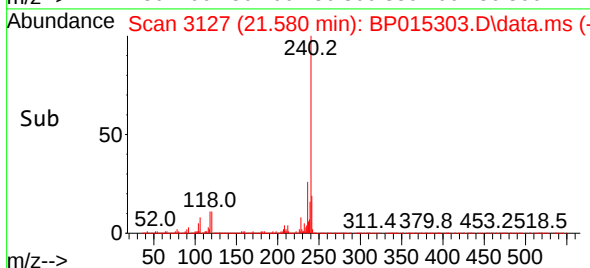
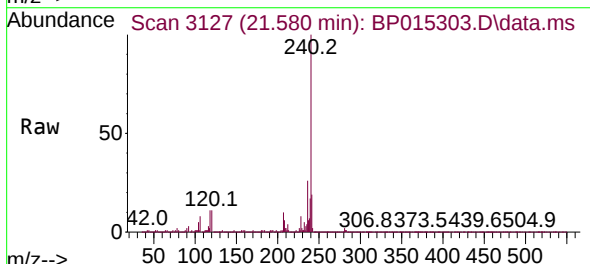
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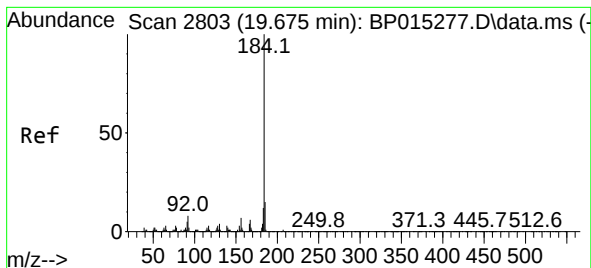
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:240 Resp: 1031455
Ion Ratio Lower Upper
240 100
120 11.0 8.8 13.2
236 26.0 20.5 30.7





#77

Benzidine

Concen: 12.355 ng

RT: 19.674 min Scan# 2803

Delta R.T. -0.000 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

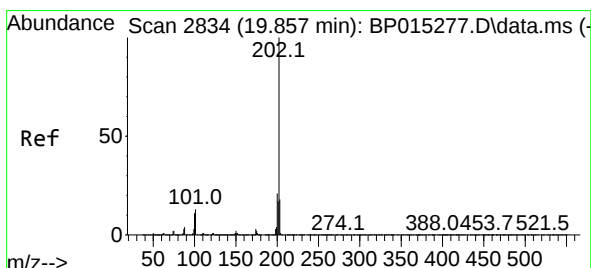
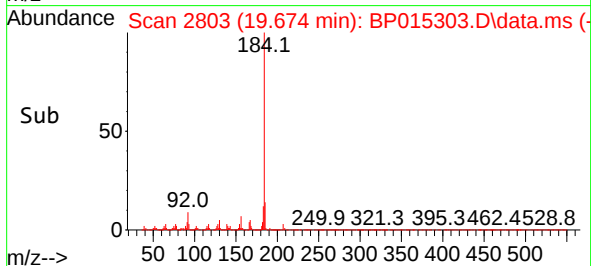
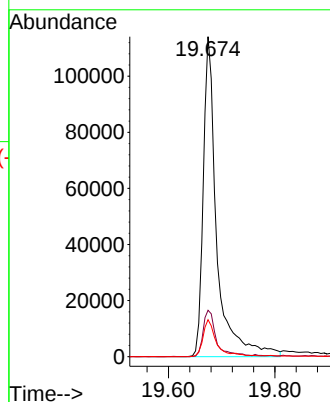
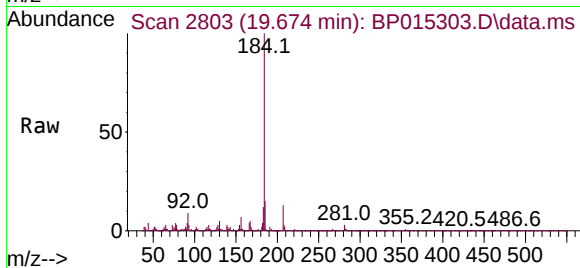
MDL-SOIL-03-QT2-2023

Tgt Ion:184 Resp: 20180
 Ion Ratio Lower Upper
 184 100
 185 14.5 11.6 17.4
 183 11.5 9.4 14.0

Manual Integrations

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



#78

Pyrene

Concen: 7.708 ng

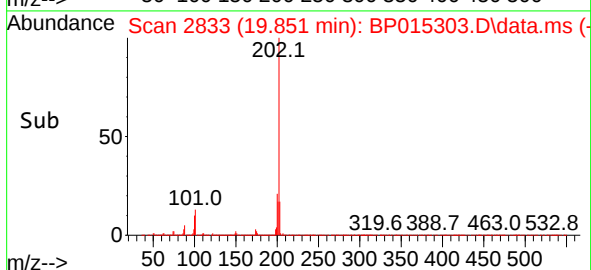
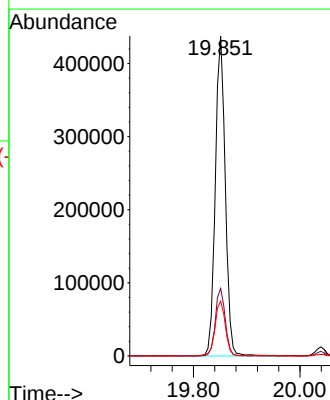
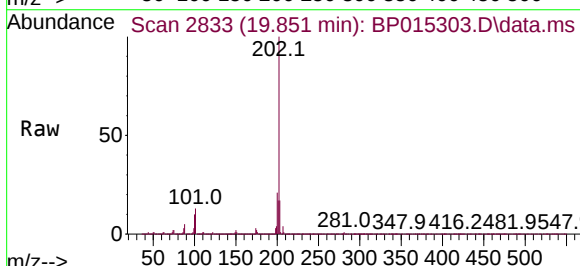
RT: 19.851 min Scan# 2833

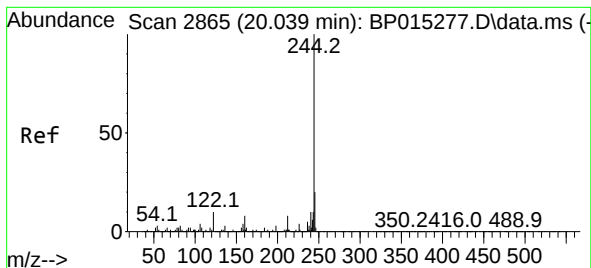
Delta R.T. -0.006 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Tgt Ion:202 Resp: 568874
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 72.061 ng

RT: 20.039 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

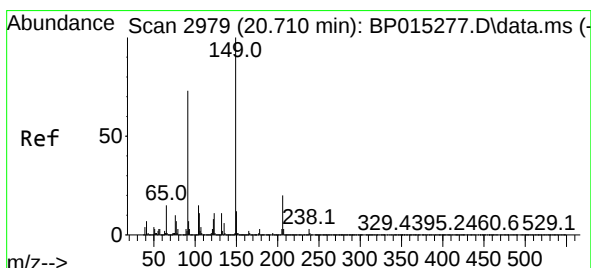
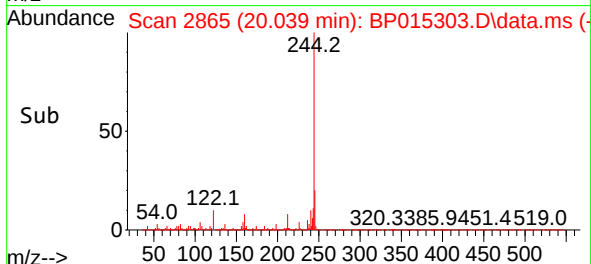
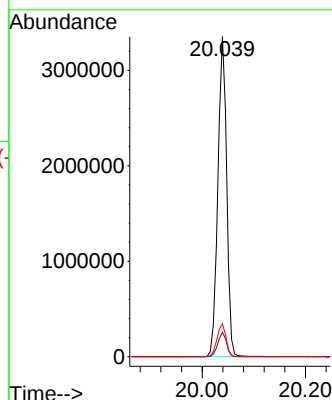
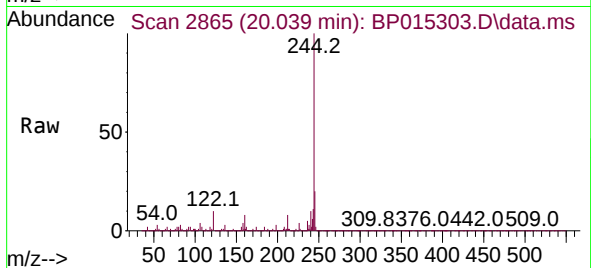
Tgt Ion:244 Resp: 395157

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	10.2	8.2	12.4

Manual Integrations

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



#80

Butylbenzylphthalate

Concen: 5.998 ng

RT: 20.704 min Scan# 2978

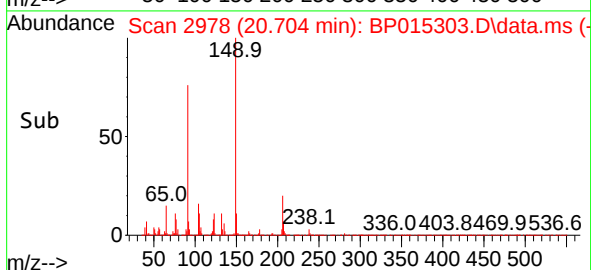
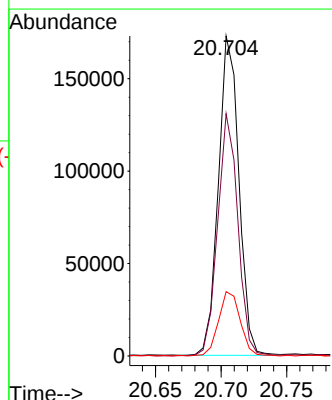
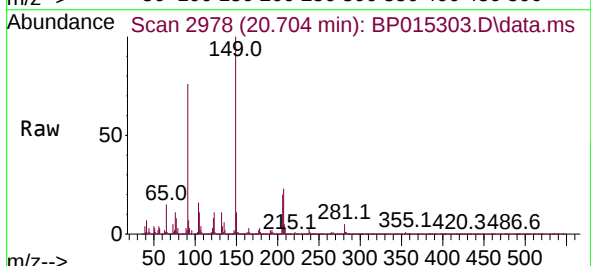
Delta R.T. -0.006 min

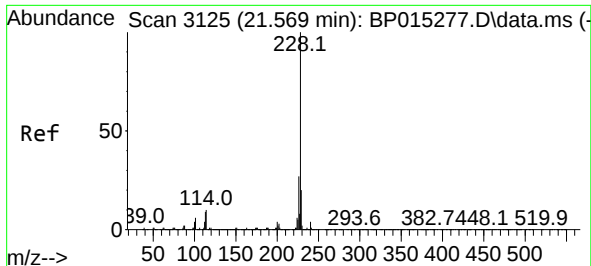
Lab File: BP015303.D

Acq: 26 May 2023 11:12

Tgt Ion:149 Resp: 187601

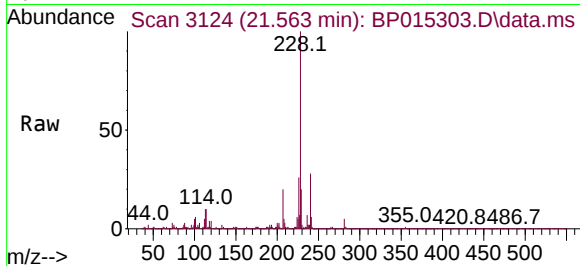
Ion	Ratio	Lower	Upper
149	100		
91	75.7	58.2	87.2
206	20.1	16.2	24.4





#81
Benzo(a)anthracene
Concen: 6.765 ng
RT: 21.563 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

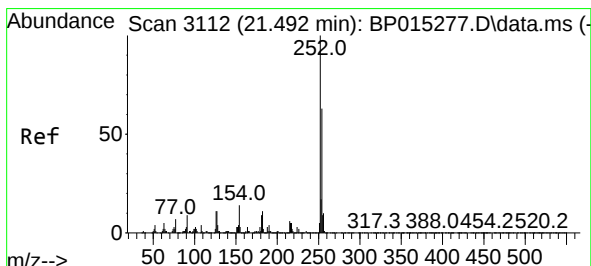
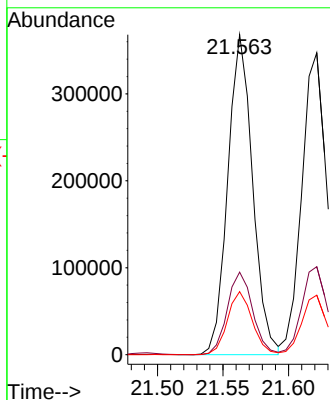
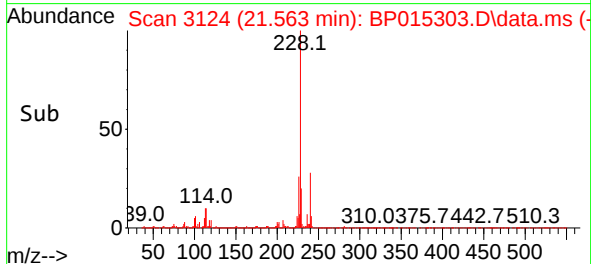
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:228 Resp: 484840
Ion Ratio Lower Upper
228 100
226 25.8 21.7 32.5
229 19.7 15.8 23.8

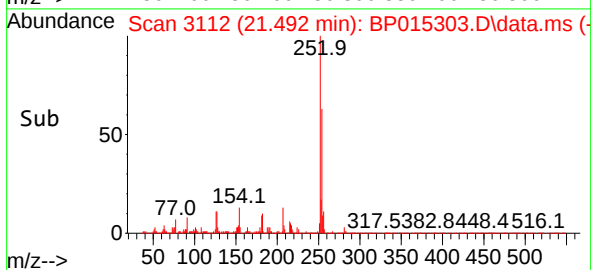
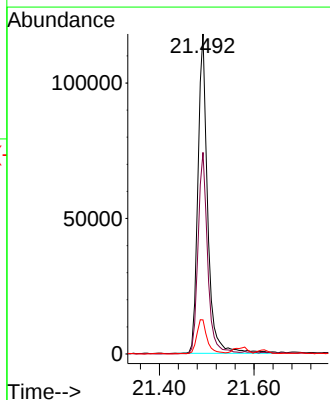
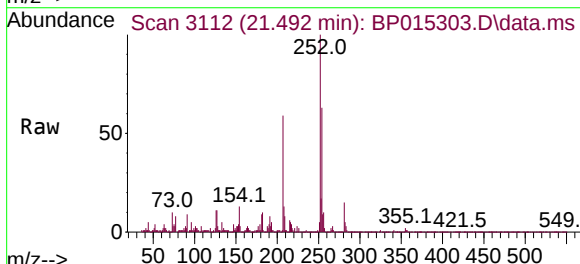
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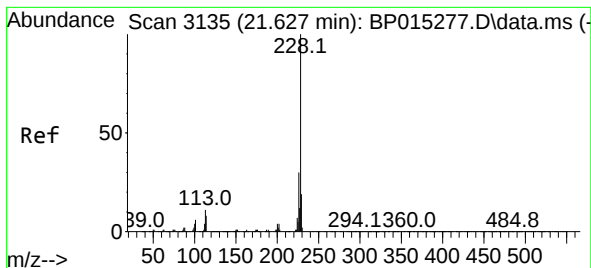
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#82
3,3'-Dichlorobenzidine
Concen: 7.620 ng
RT: 21.492 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:252 Resp: 168666
Ion Ratio Lower Upper
252 100
254 63.0 50.7 76.1
126 10.7 8.7 13.1





#83

Chrysene

Concen: 6.773 ng

RT: 21.621 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

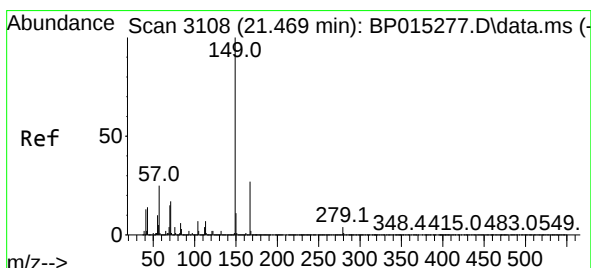
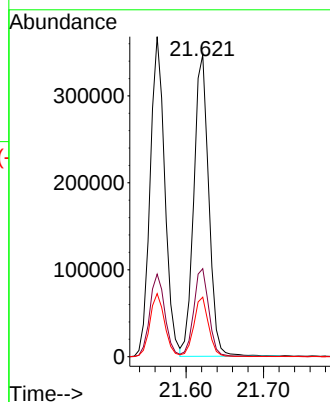
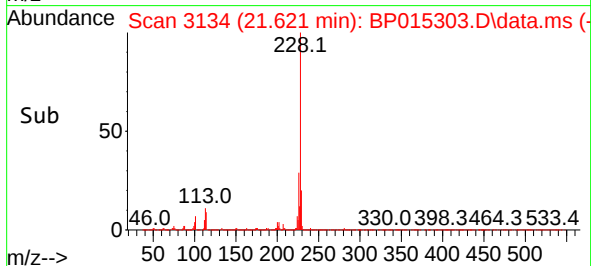
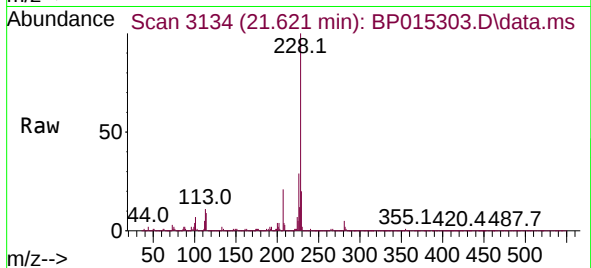
MDL-SOIL-03-QT2-2023

Tgt Ion:	228	Resp:	46543
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.8	35.6
229	19.7	15.5	23.3

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.450 ng

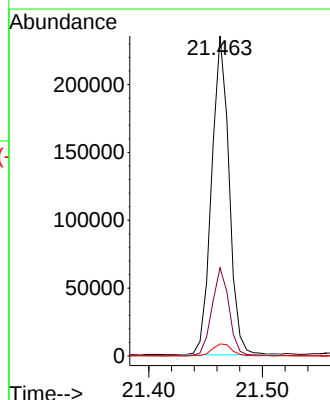
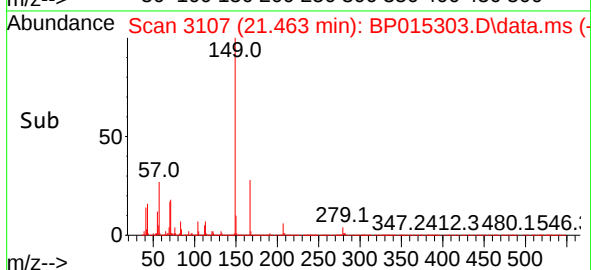
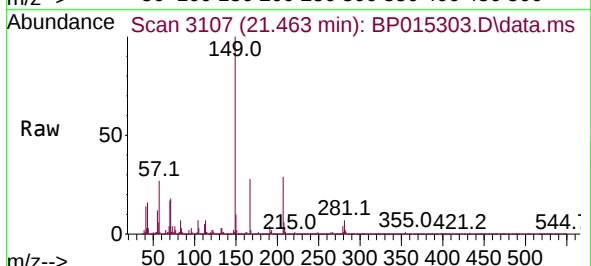
RT: 21.463 min Scan# 3107

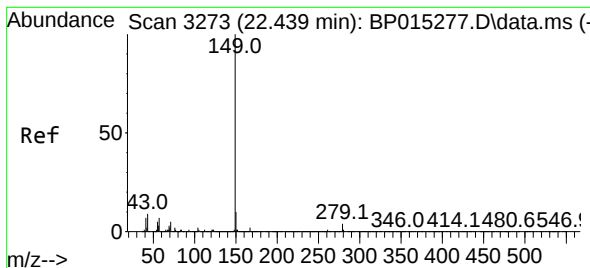
Delta R.T. -0.006 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Tgt Ion:	149	Resp:	251045
Ion Ratio	Lower	Upper	
149	100		
167	27.5	21.6	32.4
279	3.7	3.5	5.3





#85

Di-n-octyl phthalate

Concen: 4.727 ng

RT: 22.433 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

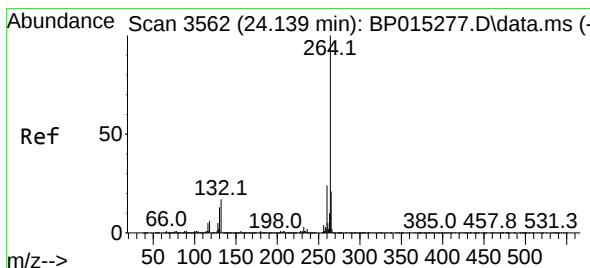
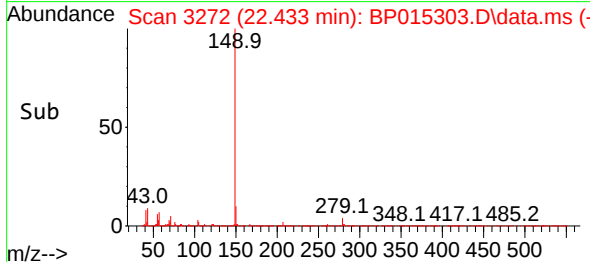
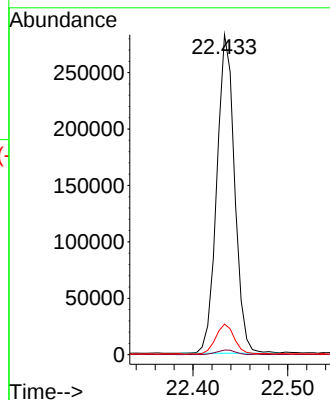
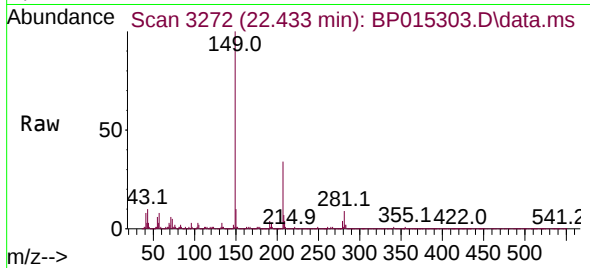
MDL-SOIL-03-QT2-2023

Tgt Ion:149	Resp: 368320
Ion Ratio	Lower Upper
149 100	
167 1.6	1.3 1.9
43 10.1	7.3 10.9

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

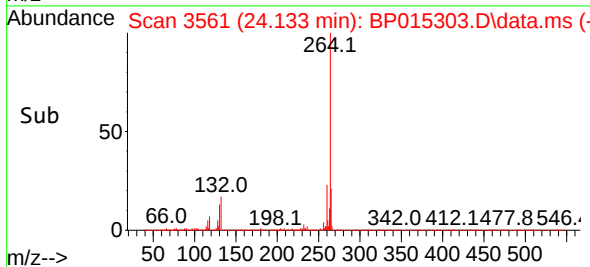
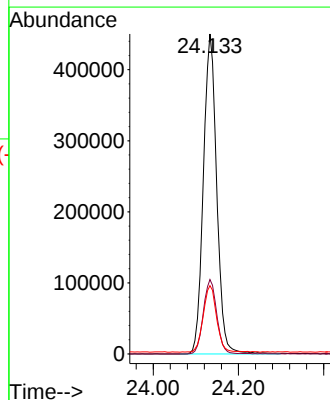
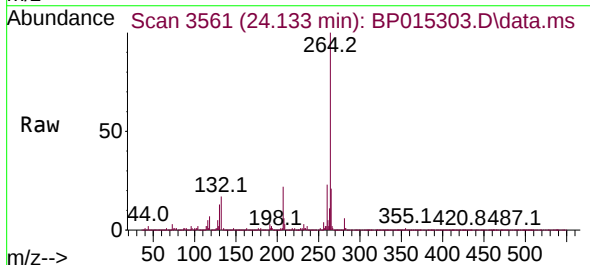
RT: 24.133 min Scan# 3561

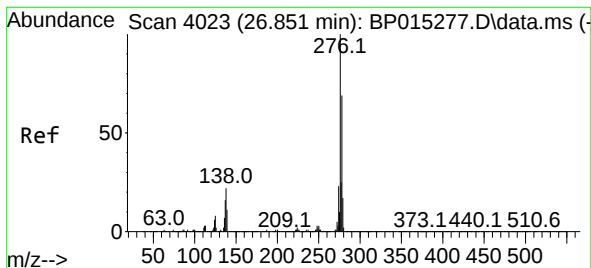
Delta R.T. -0.006 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Tgt	Ion:264	Resp:	978835
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.4	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.103 ng

RT: 26.827 min Scan# 4023

Delta R.T. -0.024 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

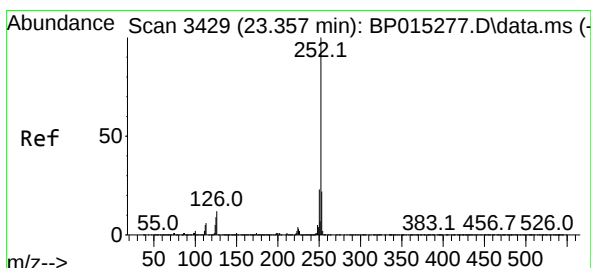
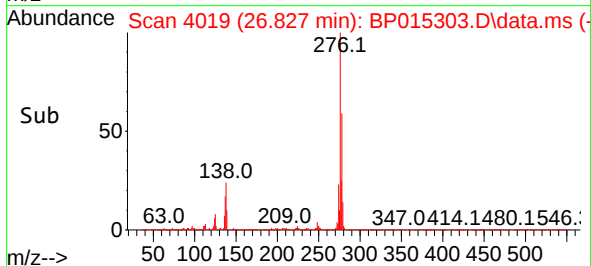
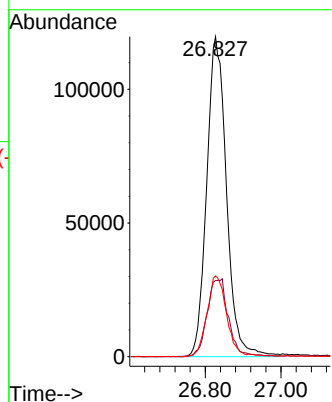
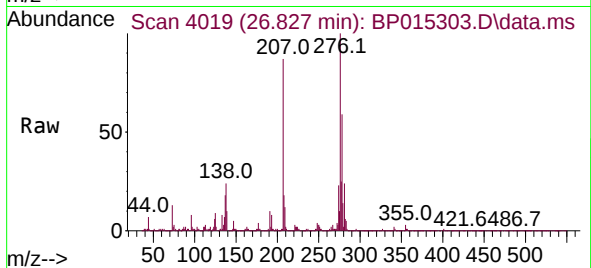
Tgt Ion:	276	Resp:	432988
Ion Ratio	Lower	Upper	
276	100		
138	25.9	19.0	28.6
277	24.7	20.2	30.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#88

Benzo(b)fluoranthene

Concen: 6.998 ng

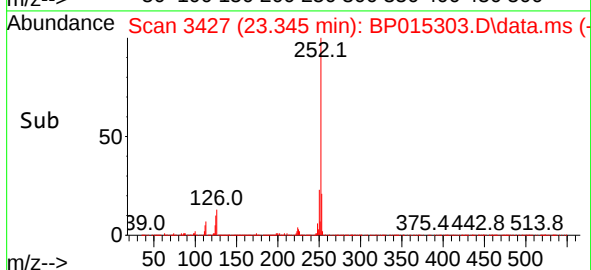
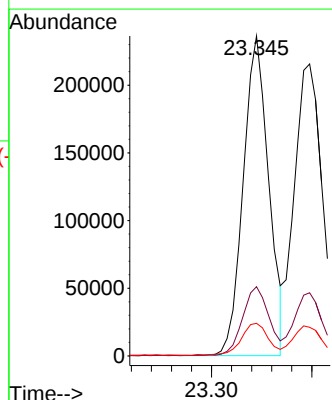
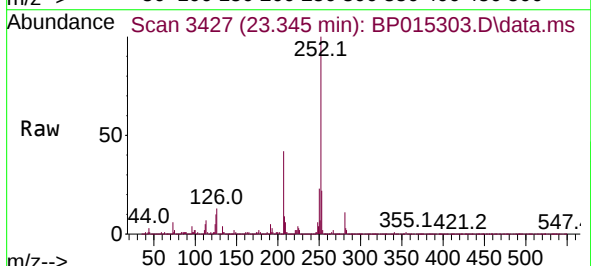
RT: 23.345 min Scan# 3427

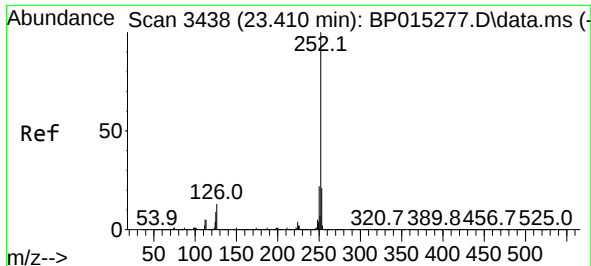
Delta R.T. -0.012 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

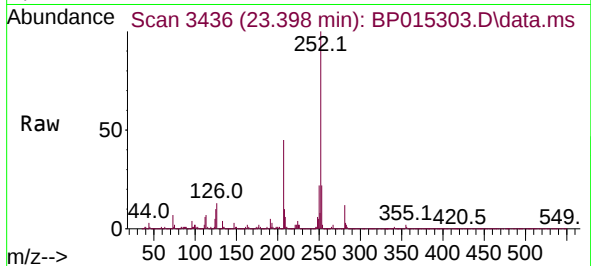
Tgt Ion:	252	Resp:	416503
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.2
125	10.2	7.2	10.8





#89
Benzo(k)fluoranthene
Concen: 7.077 ng
RT: 23.398 min Scan# 3438
Delta R.T. -0.012 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

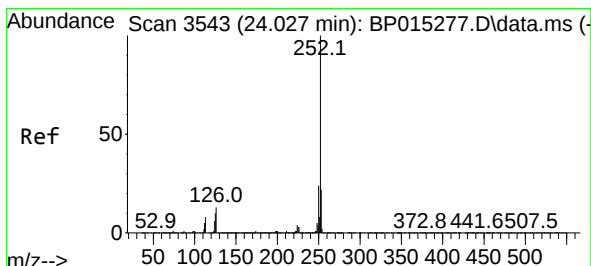
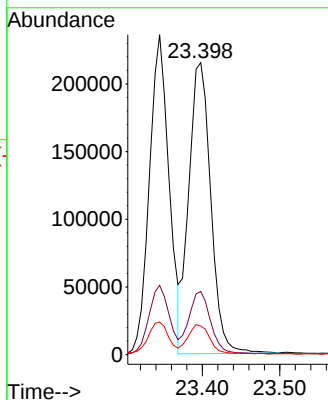
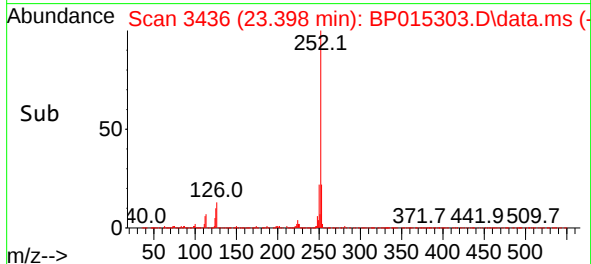
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:252 Resp: 42410
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 9.8 7.4 11.0

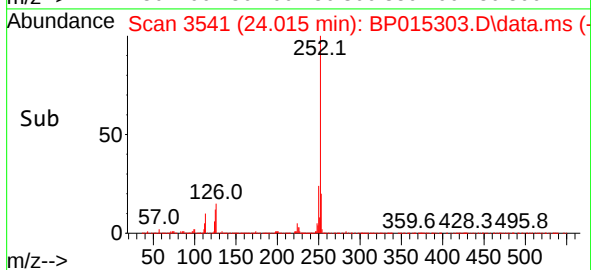
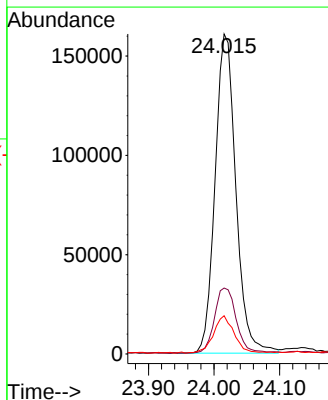
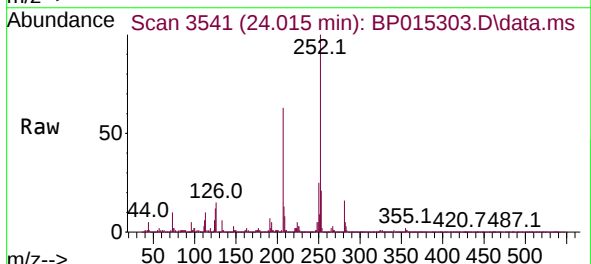
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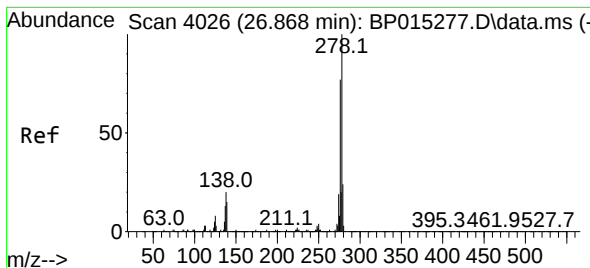
Reviewed By :Christian Giraldo 05/30/2023
Supervised By :Jagrut Upadhyay 05/31/2023



#90
Benzo(a)pyrene
Concen: 6.141 ng
RT: 24.015 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP015303.D
Acq: 26 May 2023 11:12

Tgt Ion:252 Resp: 352849
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.2
125 11.9 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 6.185 ng

RT: 26.851 min Scan# 4026

Delta R.T. -0.018 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2023

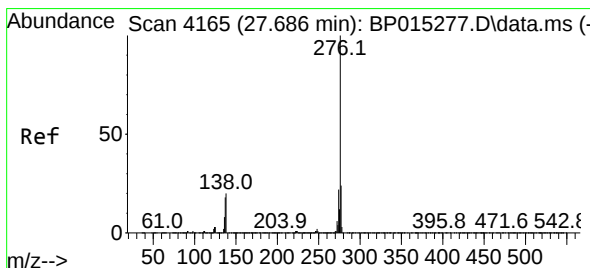
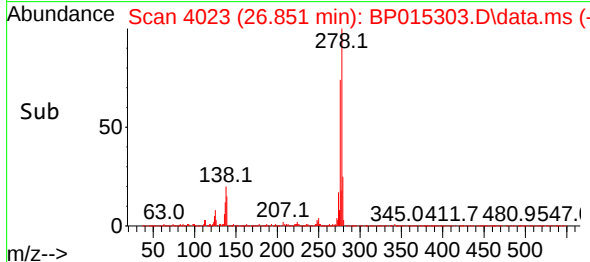
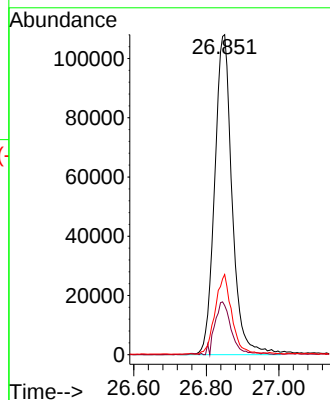
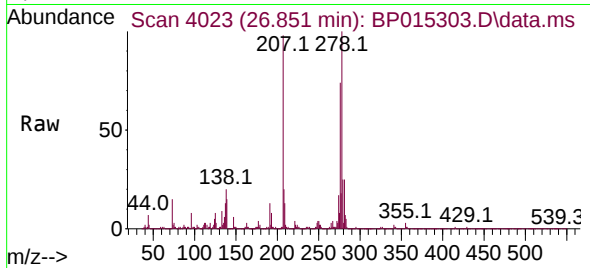
Tgt Ion:	278	Resp:	360360
Ion Ratio	Lower	Upper	
278	100		
139	15.4	12.3	18.5
279	25.1	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/30/2023

Supervised By :Jagrut Upadhyay 05/31/2023



#92

Benzo(g,h,i)perylene

Concen: 5.942 ng

RT: 27.656 min Scan# 4160

Delta R.T. -0.029 min

Lab File: BP015303.D

Acq: 26 May 2023 11:12

Tgt Ion:	276	Resp:	351753
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.0	28.6
138	22.2	16.2	24.2

