

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011723\
 Data File : BP013490.D
 Acq On : 17 Jan 2023 11:21
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jan 18 03:11:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/18/2023
 Supervised By : Jagrut Upadhyay 01/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	559321	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	2278462	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1584925	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	3652131	20.000	ng	0.00
76) Chrysene-d12	21.404	240	3674459	20.000	ng	0.00
86) Perylene-d12	23.869	264	3844707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	2869483	90.120	ng	0.00
7) Phenol-d6	7.069	99	3939258	87.524	ng	0.00
23) Nitrobenzene-d5	9.075	82	3016638	70.340	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	2275500	91.977	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	7720650	71.211	ng	0.00
79) Terphenyl-d14	19.869	244	11730741	65.269	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.329	88	45947	3.680	ng	98
3) Pyridine	3.758	79	109892	2.823	ng	96
4) n-Nitrosodimethylamine	3.652	42	66145	3.544	ng	# 94
6) Aniline	7.228	93	199245	3.313	ng	97
8) 2-Chlorophenol	7.464	128	128941	3.499	ng	99
9) Benzaldehyde	7.040	77	113953m	4.194	ng	
10) Phenol	7.093	94	158726	3.417	ng	93
11) bis(2-Chloroethyl)ether	7.328	93	129475	3.438	ng	98
12) 1,3-Dichlorobenzene	7.787	146	143298	3.691	ng	98
13) 1,4-Dichlorobenzene	7.940	146	146923	3.713	ng	96
14) 1,2-Dichlorobenzene	8.258	146	145080	3.753	ng	99
15) Benzyl Alcohol	8.146	79	106601	3.074	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.440	45	214892	3.688	ng	98
17) 2-Methylphenol	8.352	107	105351	3.063	ng	98
18) Hexachloroethane	8.981	117	49494	3.532	ng	94
19) n-Nitroso-di-n-propyla...	8.711	70	106039	3.301	ng	96
20) 3+4-Methylphenols	8.675	107	141619	2.964	ng	96
22) Acetophenone	8.734	105	208356	3.571	ng	# 98
24) Nitrobenzene	9.116	77	164692	3.713	ng	98
25) Isophorone	9.640	82	289628	3.281	ng	99
26) 2-Nitrophenol	9.828	139	64233	2.929	ng	92
27) 2,4-Dimethylphenol	9.887	122	112371	3.113	ng	95
28) bis(2-Chloroethoxy)met...	10.122	93	179165	3.441	ng	99
29) 2,4-Dichlorophenol	10.363	162	120236	3.174	ng	99
30) 1,2,4-Trichlorobenzene	10.575	180	144560	3.606	ng	99
31) Naphthalene	10.763	128	429251	3.563	ng	99
32) Benzoic acid	9.963	122	64081	2.128	ng	99
33) 4-Chloroaniline	10.881	127	172364	3.132	ng	96
34) Hexachlorobutadiene	11.046	225	93938	3.717	ng	98
35) Caprolactam	11.669	113	39084	2.896	ng	98
36) 4-Chloro-3-methylphenol	12.005	107	132155	3.202	ng	97
37) 2-Methylnaphthalene	12.375	142	306708	3.391	ng	99
38) 1-Methylnaphthalene	12.593	142	294774	3.455	ng	100
40) 1,2,4,5-Tetrachloroben...	12.740	216	183705	3.536	ng	100
41) Hexachlorocyclopentadiene	12.716	237	74081	2.735	ng	98
43) 2,4,6-Trichlorophenol	12.987	196	108911	3.049	ng	97

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 MDL-SOIL-03-QT2-2022

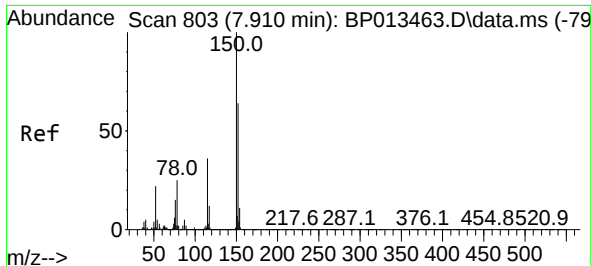
Quant Time: Jan 18 03:11:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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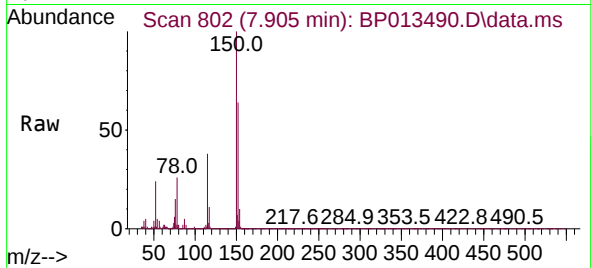
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.057	196	116984	2.791	ng	98
46) 1,1'-Biphenyl	13.387	154	435251	3.632	ng	99
47) 2-Chloronaphthalene	13.428	162	320449	3.487	ng	99
48) 2-Nitroaniline	13.634	65	80367	2.657	ng	94
49) Acenaphthylene	14.275	152	496501	3.276	ng	99
50) Dimethylphthalate	14.004	163	413518	3.290	ng	99
51) 2,6-Dinitrotoluene	14.128	165	80426	2.934	ng	90
52) Acenaphthene	14.616	154	308885	3.443	ng	99
53) 3-Nitroaniline	14.463	138	75757	2.583	ng	95
54) 2,4-Dinitrophenol	14.675	184	37699	2.024	ng	96
55) Dibenzofuran	14.951	168	522100	3.510	ng	99
56) 4-Nitrophenol	14.775	139	59745	2.535	ng	95
57) 2,4-Dinitrotoluene	14.922	165	103931	2.772	ng	# 88
58) Fluorene	15.604	166	411923	3.510	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.181	232	110197	3.041	ng	97
60) Diethylphthalate	15.369	149	404383	3.288	ng	100
61) 4-Chlorophenyl-phenylether	15.593	204	220802	3.542	ng	98
62) 4-Nitroaniline	15.628	138	74157m	2.469	ng	
63) Azobenzene	15.887	77	359933	3.187	ng	97
65) 4,6-Dinitro-2-methylph...	15.687	198	57762	2.313	ng	92
66) n-Nitrosodiphenylamine	15.810	169	353034	3.290	ng	99
67) 4-Bromophenyl-phenylether	16.493	248	136911	3.256	ng	97
68) Hexachlorobenzene	16.610	284	163812	3.578	ng	99
69) Atrazine	16.769	200	131888	3.356	ng	99
70) Pentachlorophenol	16.963	266	83002	2.474	ng	99
71) Phenanthrene	17.357	178	686637	3.563	ng	98
72) Anthracene	17.445	178	655941	3.345	ng	98
73) Carbazole	17.722	167	594288	3.328	ng	99
74) Di-n-butylphthalate	18.263	149	641494	3.095	ng	99
75) Fluoranthene	19.322	202	805716	3.481	ng	99
77) Benzidine	19.504	184	343631	3.147	ng	100
78) Pyrene	19.675	202	844239	3.493	ng	97
80) Butylbenzylphthalate	20.545	149	284967	2.728	ng	99
81) Benzo(a)anthracene	21.386	228	877945	3.548	ng	97
82) 3,3'-Dichlorobenzidine	21.322	252	306114	3.311	ng	99
83) Chrysene	21.445	228	829045	3.546	ng	97
84) Bis(2-ethylhexyl)phtha...	21.298	149	427673	2.829	ng	99
85) Di-n-octyl phthalate	22.239	149	704515	2.745	ng	97
87) Indeno(1,2,3-cd)pyrene	26.427	276	802904	2.888	ng	100
88) Benzo(b)fluoranthene	23.110	252	852147	3.733	ng	99
89) Benzo(k)fluoranthene	23.157	252	822017	3.710	ng	98
90) Benzo(a)pyrene	23.751	252	726116	3.238	ng	99
91) Dibenzo(a,h)anthracene	26.445	278	690682	2.983	ng	99
92) Benzo(g,h,i)perylene	27.221	276	685372	3.000	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 80
Delta R.T. -0.005 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

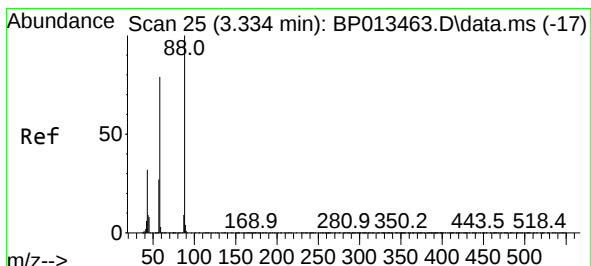
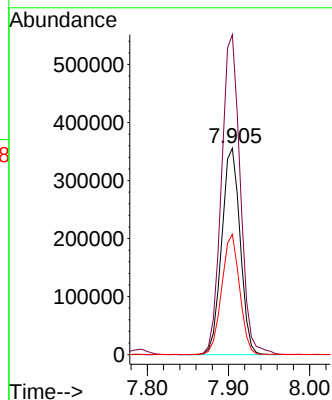
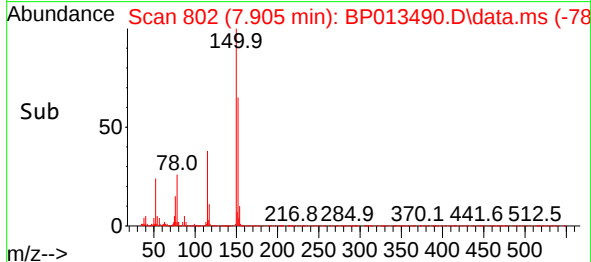
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 55932
Ion Ratio Lower Upper
152 100
150 155.1 125.7 188.5
115 58.3 45.8 68.8

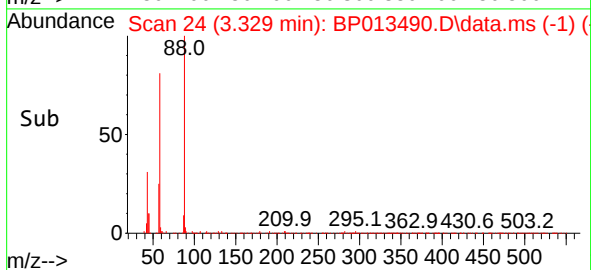
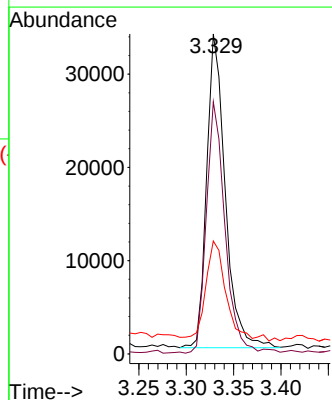
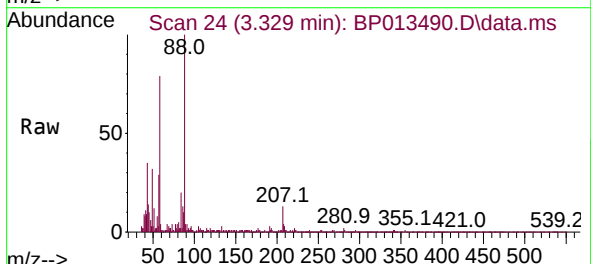
Manual Integrations
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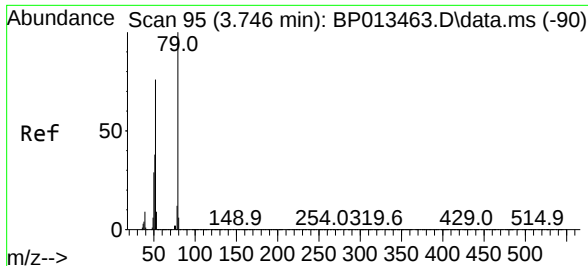
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#2
1,4-Dioxane
Concen: 3.680 ng
RT: 3.329 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

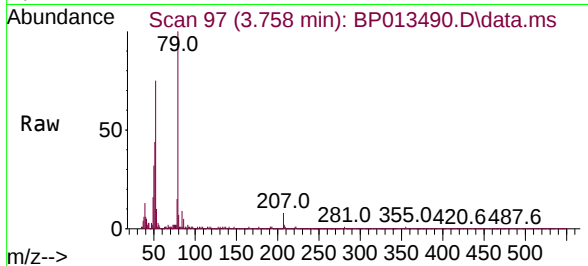
Tgt Ion: 88 Resp: 45947
Ion Ratio Lower Upper
88 100
58 80.4 63.4 95.0
43 35.1 26.2 39.4





#3
Pyridine
Concen: 2.823 ng
RT: 3.758 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

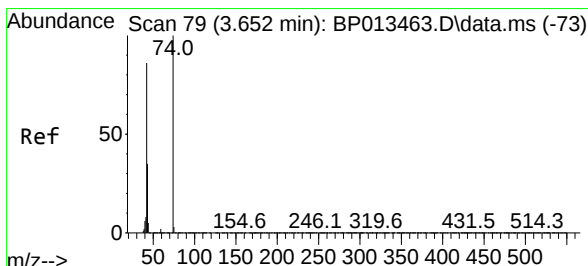
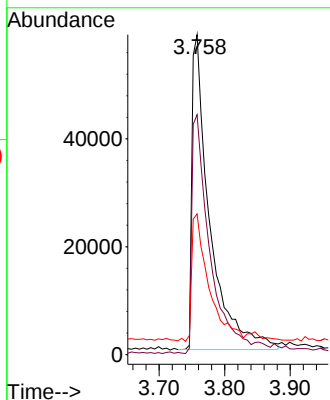
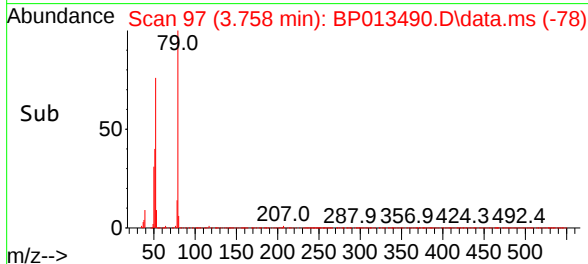
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



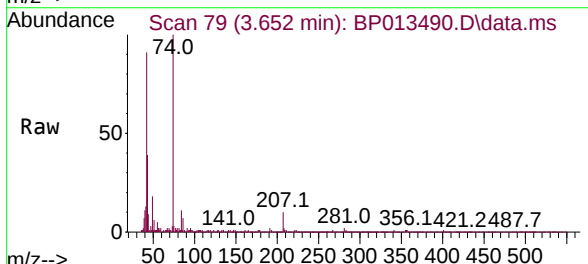
Tgt Ion: 79 Resp: 109892
Ion Ratio Lower Upper
79 100
52 75.0 60.6 91.0
51 44.0 31.0 46.4

Manual Integrations
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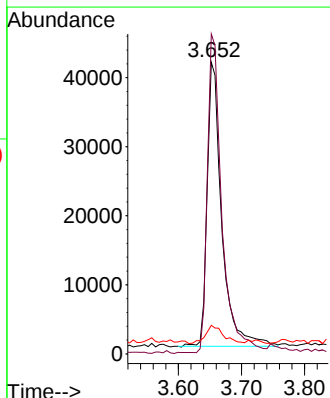
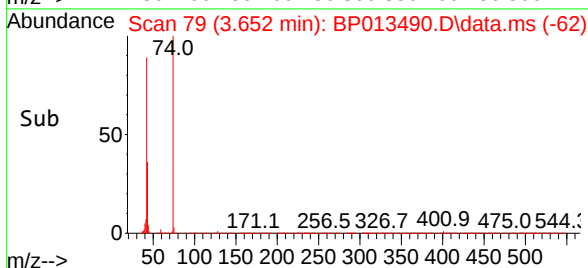
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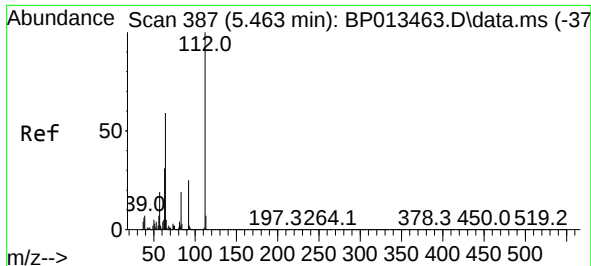


#4
n-Nitrosodimethylamine
Concen: 3.544 ng
RT: 3.652 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21



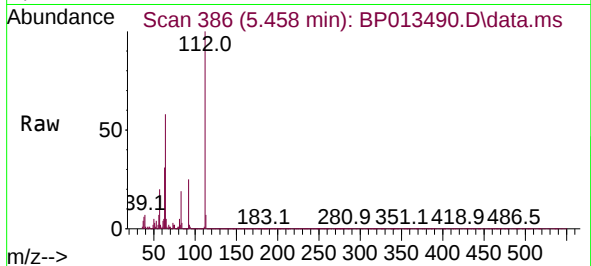
Tgt Ion: 42 Resp: 66145
Ion Ratio Lower Upper
42 100
74 109.7 93.3 139.9
44 9.8 5.1 7.7#





#5
2-Fluorophenol
Concen: 90.120 ng
RT: 5.458 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

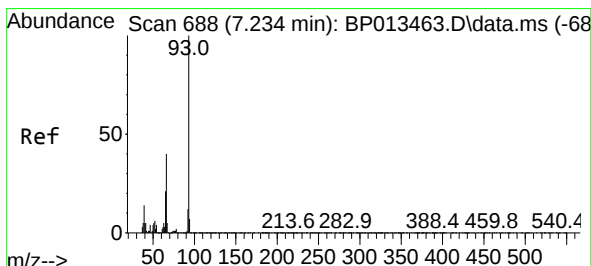
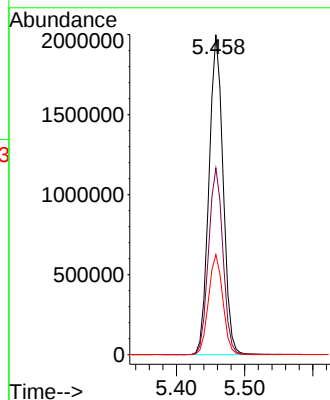
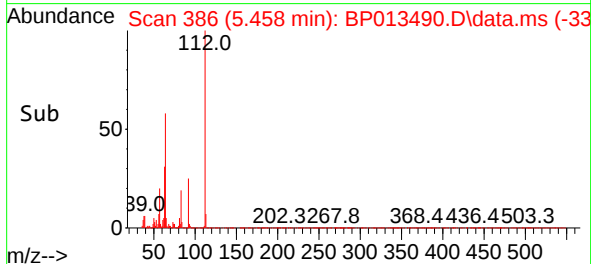
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



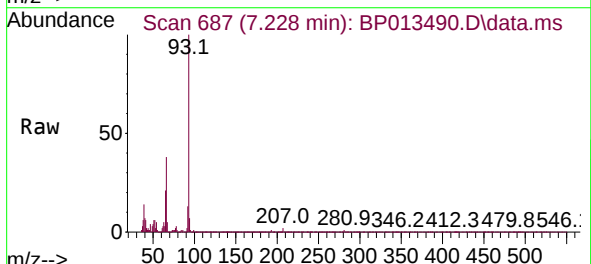
Tgt Ion:112 Resp: 2869483
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 31.2 25.0 37.4

Manual Integrations
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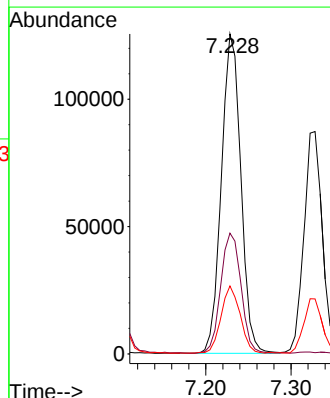
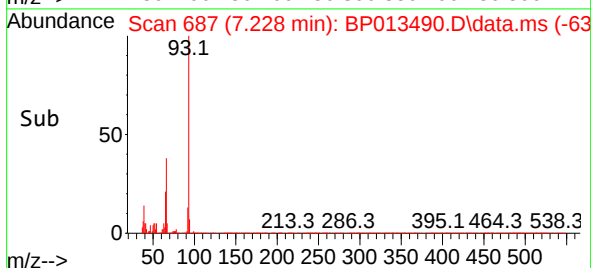
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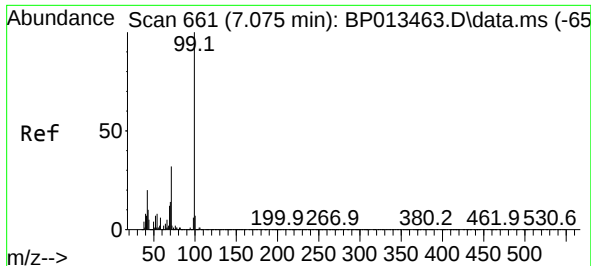


#6
Aniline
Concen: 3.313 ng
RT: 7.228 min Scan# 687
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21



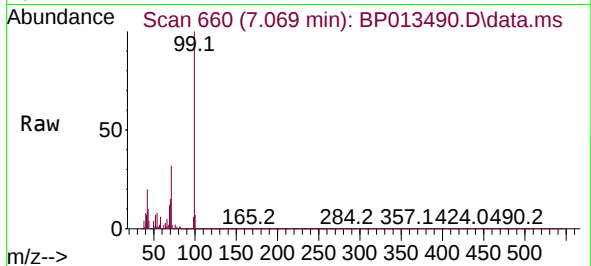
Tgt Ion: 93 Resp: 199245
Ion Ratio Lower Upper
93 100
66 37.7 31.9 47.9
65 21.2 16.6 25.0





#7
Phenol-d6
Concen: 87.524 ng
RT: 7.069 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP013490.D
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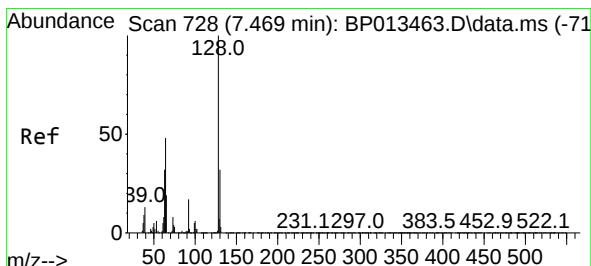
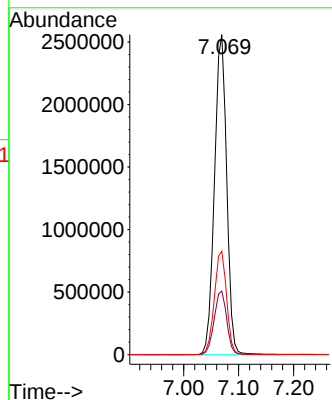
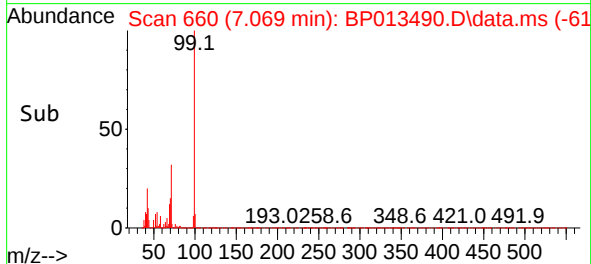
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BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 3939258
Ion Ratio Lower Upper
99 100
42 19.9 15.8 23.6
71 32.3 25.6 38.4

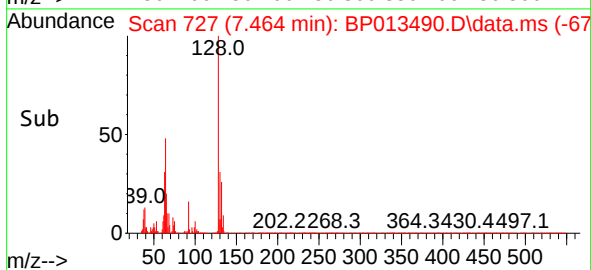
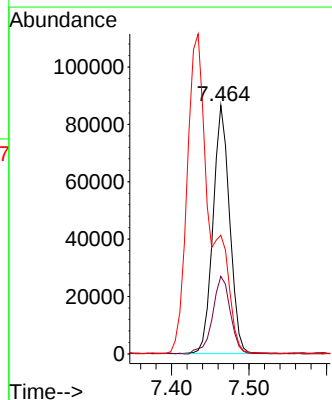
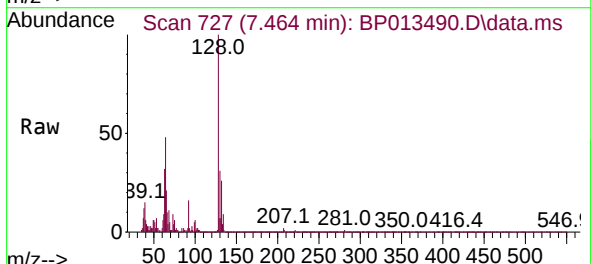
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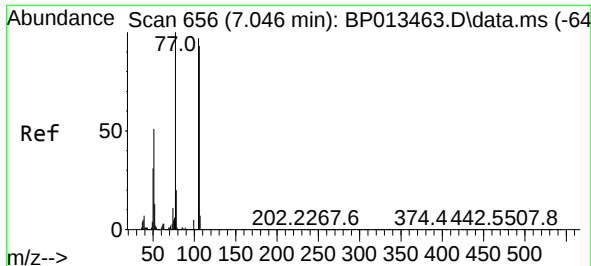
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#8
2-Chlorophenol
Concen: 3.499 ng
RT: 7.464 min Scan# 727
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:128 Resp: 128941
Ion Ratio Lower Upper
128 100
130 31.2 11.7 51.7
64 47.7 28.6 68.6





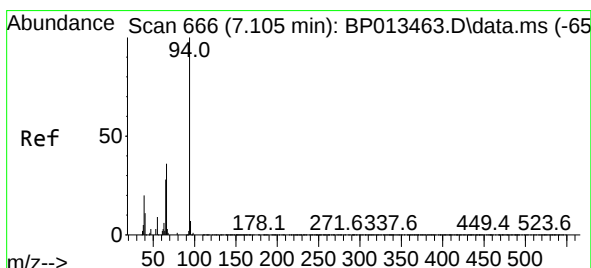
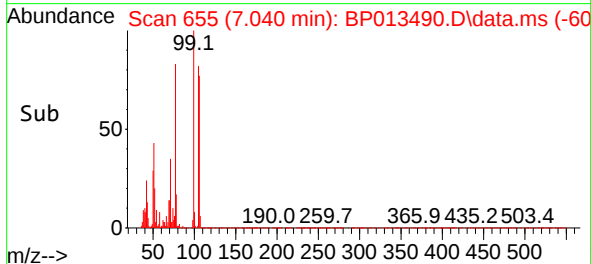
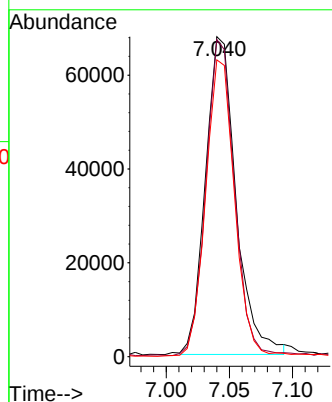
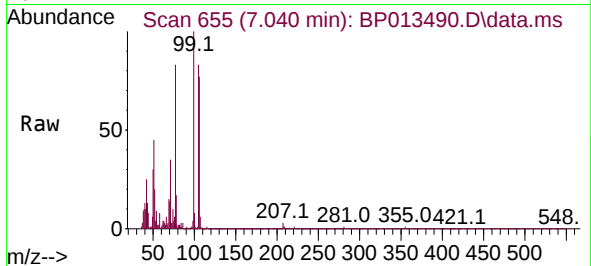
#9
Benzaldehyde
Concen: 4.194 ng m
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion: 77 Resp: 113953
Ion Ratio Lower Upper
77 100
105 99.1 77.3 117.3
106 92.7 73.1 113.1

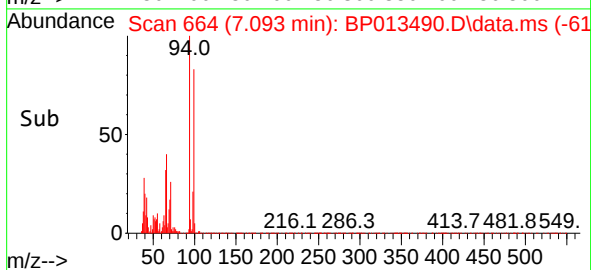
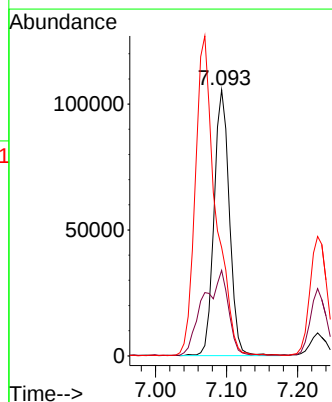
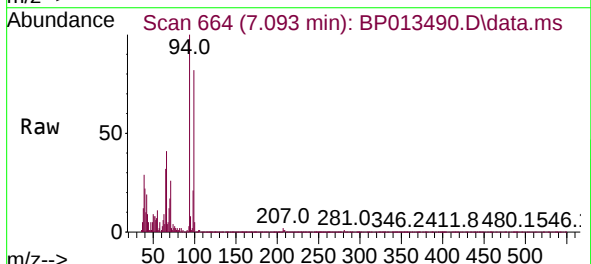
Manual Integrations
APPROVED

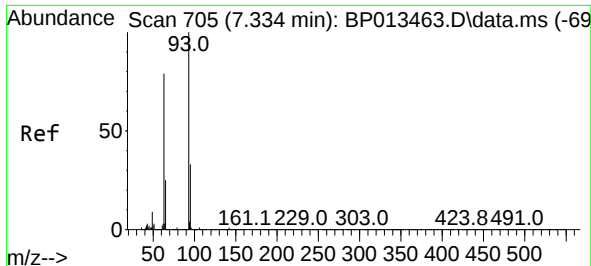
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#10
Phenol
Concen: 3.417 ng
RT: 7.093 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

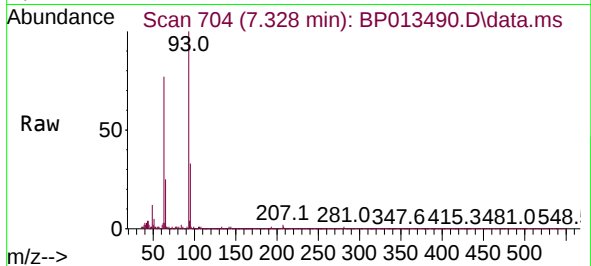
Tgt Ion: 94 Resp: 158726
Ion Ratio Lower Upper
94 100
65 32.1 8.3 48.3
66 40.7 16.6 56.6





#11
bis(2-Chloroethyl)ether
Concen: 3.438 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

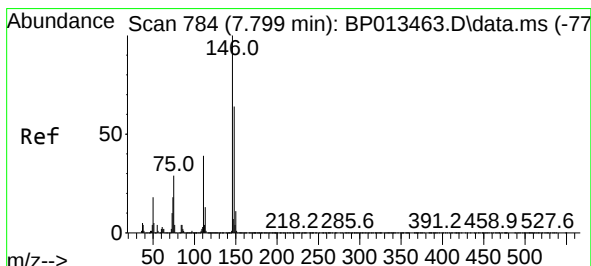
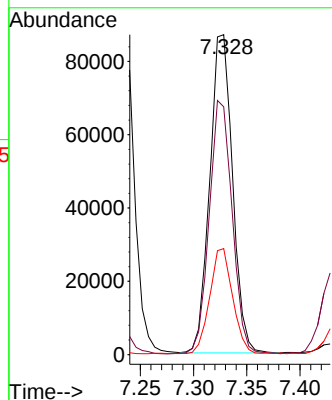
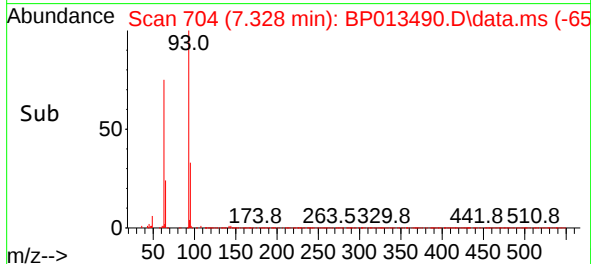
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



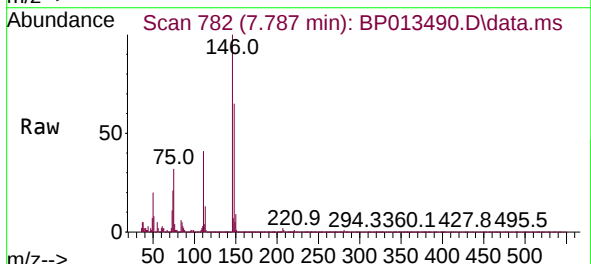
Tgt Ion: 93 Resp: 129475
Ion Ratio Lower Upper
93 100
63 77.4 59.3 99.3
95 33.1 12.8 52.8

Manual Integrations
APPROVED

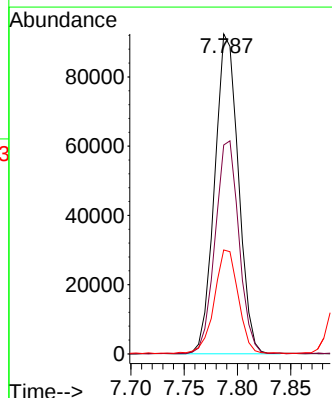
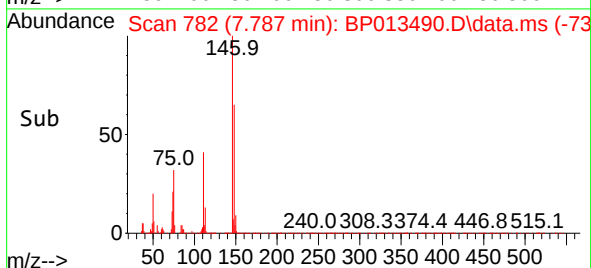
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

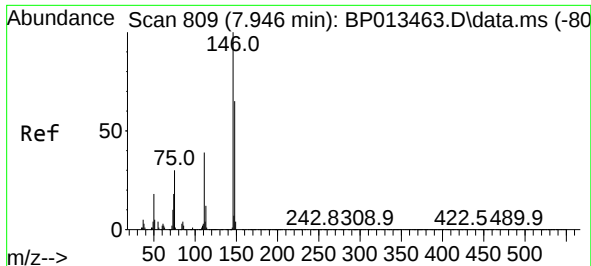


#12
1,3-Dichlorobenzene
Concen: 3.691 ng
RT: 7.787 min Scan# 782
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21



Tgt Ion:146 Resp: 143298
Ion Ratio Lower Upper
146 100
148 65.3 51.5 77.3
75 32.5 23.6 35.4





#13

1,4-Dichlorobenzene

Concen: 3.713 ng

RT: 7.940 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

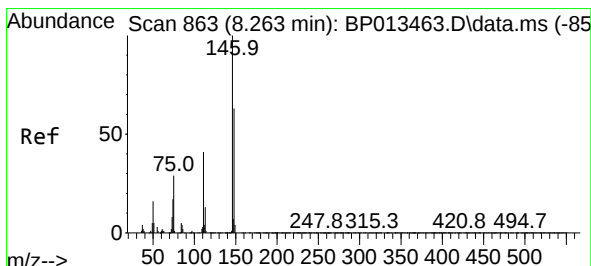
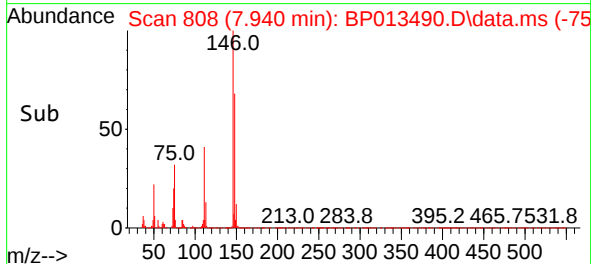
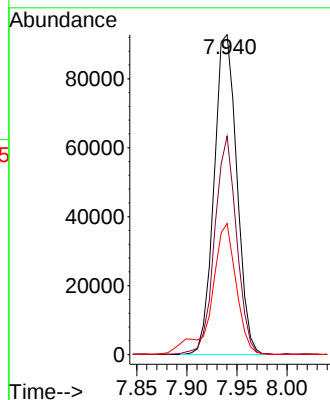
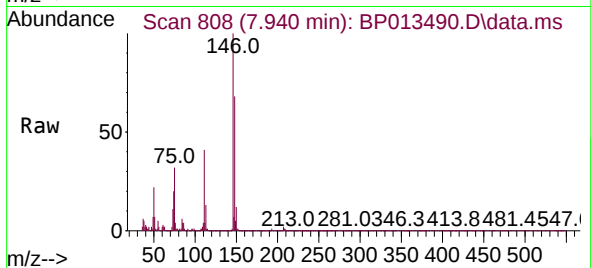
MDL-SOIL-03-QT2-2022

Tgt Ion:	146	Resp:	146923
Ion Ratio	Lower	Upper	
146	100		
148	68.2	52.0	78.0
111	41.0	31.4	47.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#14

1,2-Dichlorobenzene

Concen: 3.753 ng

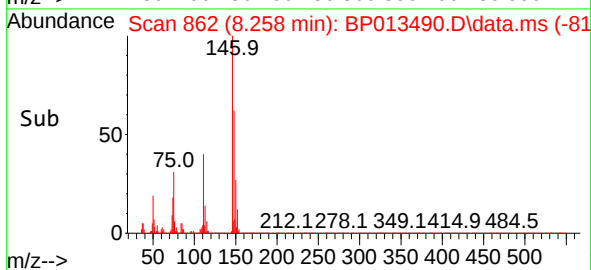
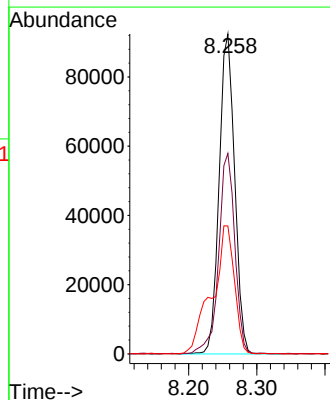
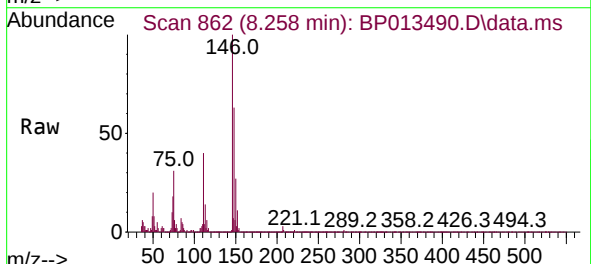
RT: 8.258 min Scan# 862

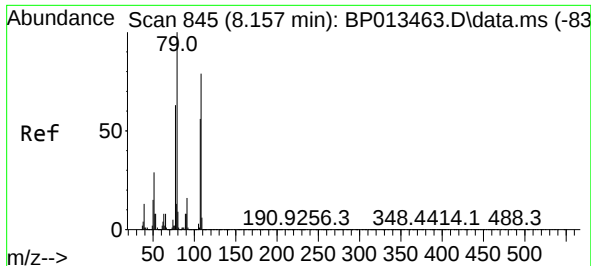
Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

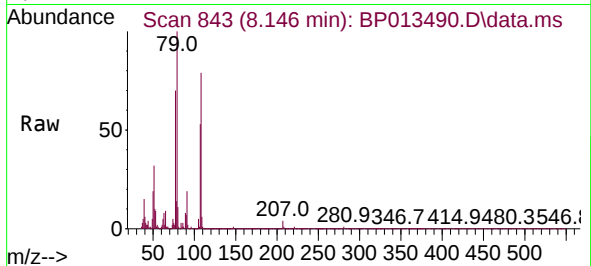
Tgt Ion:	146	Resp:	145080
Ion Ratio	Lower	Upper	
146	100		
148	62.6	50.9	76.3
111	40.0	32.7	49.1





#15
Benzyl Alcohol
Concen: 3.074 ng
RT: 8.146 min Scan# 845
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

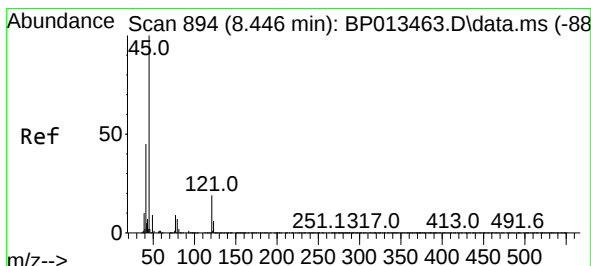
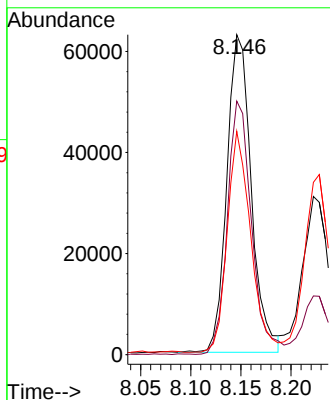
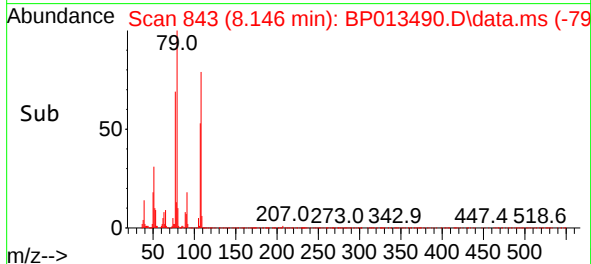
Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT2-2022



Tgt Ion: 79 Resp: 106601
Ion Ratio Lower Upper
79 100
108 79.2 63.2 94.8
77 69.8 50.5 75.7

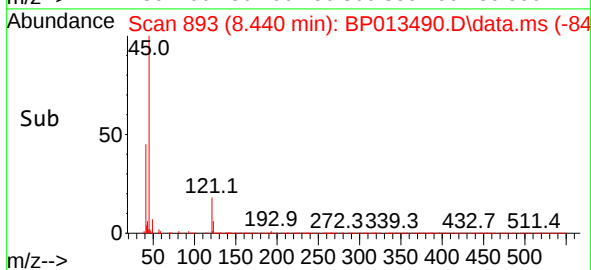
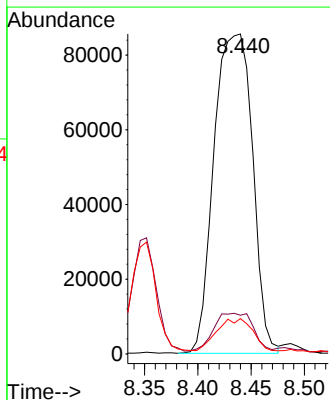
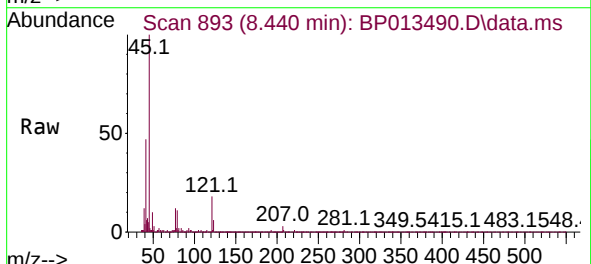
Manual Integrations
APPROVED

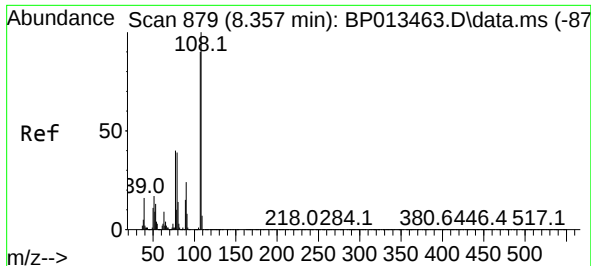
Reviewed By : Christian Giraldo 01/18/2023
Supervised By : Jagrut Upadhyay 01/18/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.688 ng
RT: 8.440 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

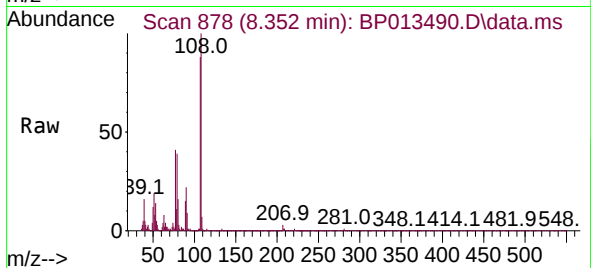
Tgt Ion: 45 Resp: 214892
Ion Ratio Lower Upper
45 100
77 12.1 0.0 32.8
79 11.1 0.0 30.3





#17
2-Methylphenol
Concen: 3.063 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

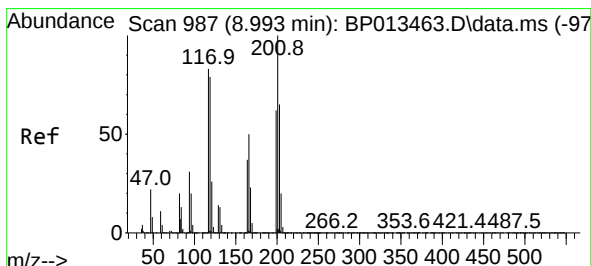
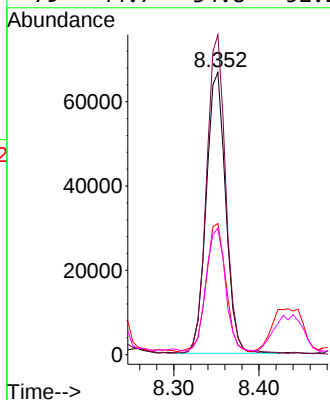
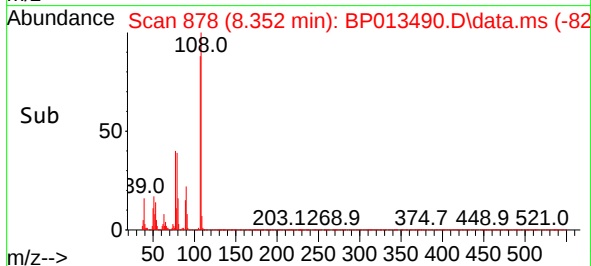
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:107 Resp: 10535
Ion Ratio Lower Upper
107 100
108 113.3 88.8 133.2
77 46.4 35.8 53.8
79 44.7 34.8 52.2

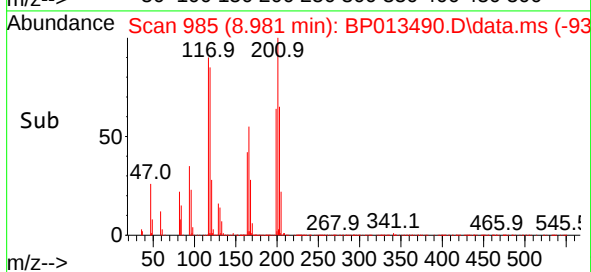
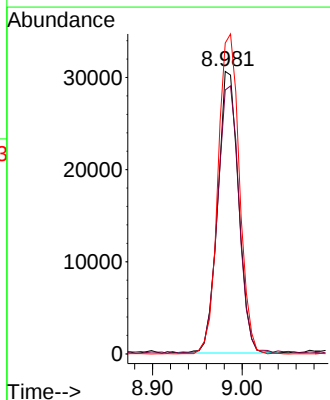
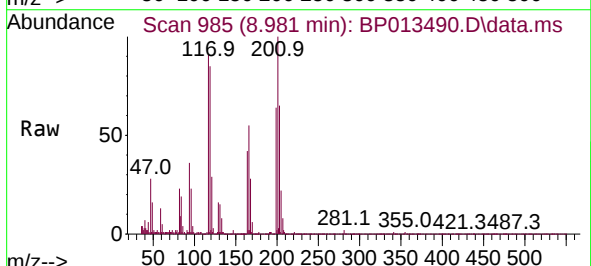
Manual Integrations
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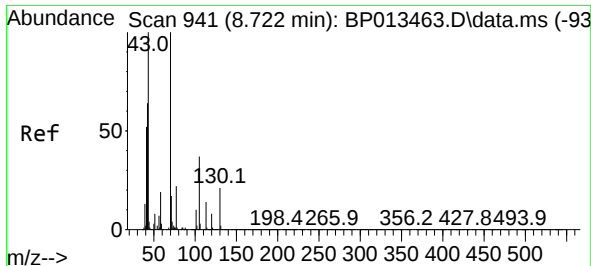
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#18
Hexachloroethane
Concen: 3.532 ng
RT: 8.981 min Scan# 985
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

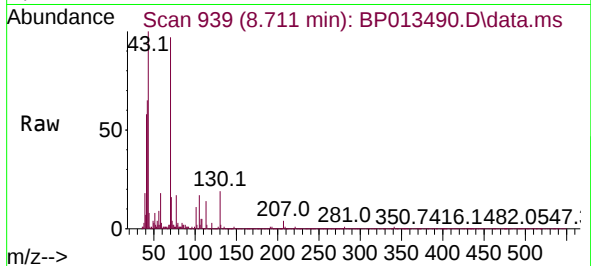
Tgt Ion:117 Resp: 49494
Ion Ratio Lower Upper
117 100
119 93.4 75.8 113.8
201 110.0 95.8 143.8





#19
n-Nitroso-di-n-propylamine
Concen: 3.301 ng
RT: 8.711 min Scan# 939
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

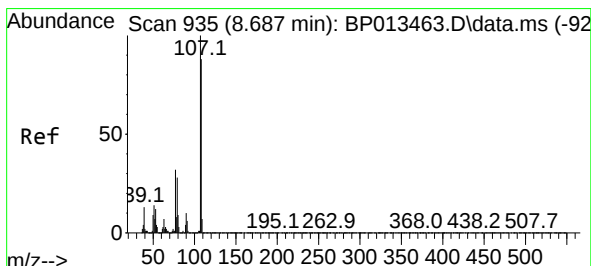
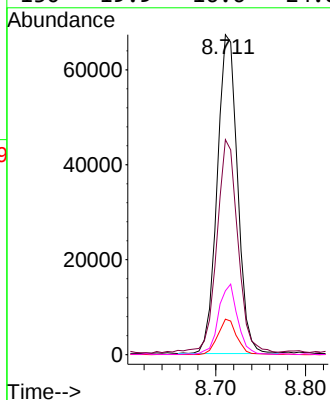
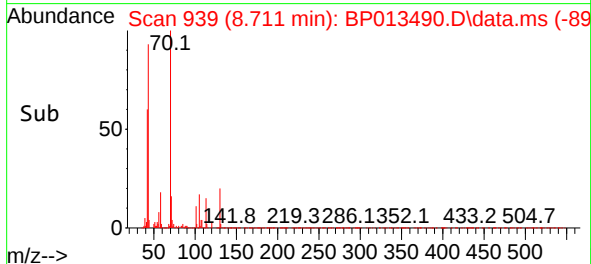
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



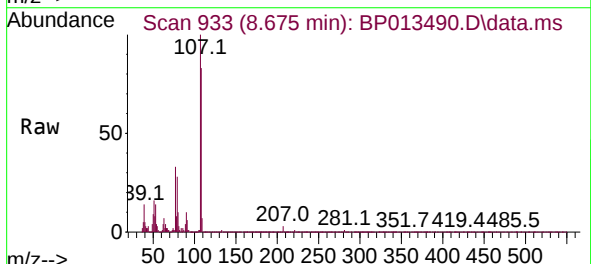
Tgt Ion: 70 Resp: 106039
Ion Ratio Lower Upper
70 100
42 67.2 51.1 76.7
101 11.1 7.8 11.8
130 19.9 16.6 24.8

Manual Integrations
APPROVED

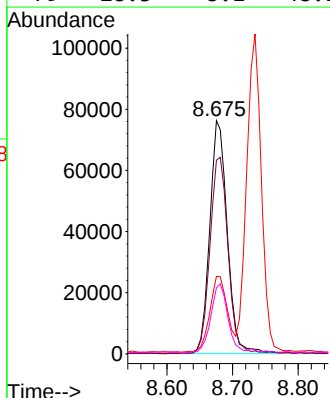
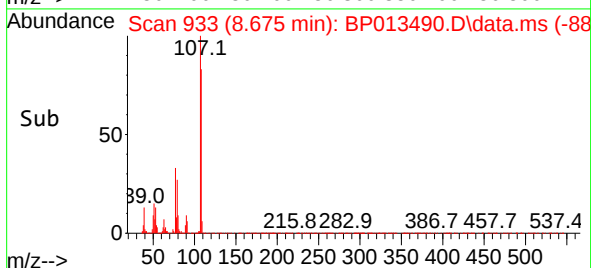
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

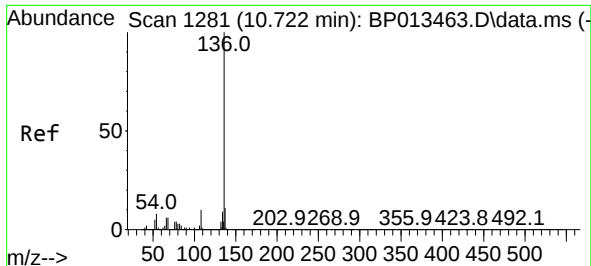


#20
3+4-Methylphenols
Concen: 2.964 ng
RT: 8.675 min Scan# 933
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21



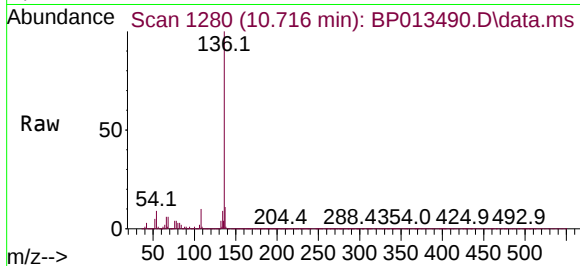
Tgt Ion:107 Resp: 141619
Ion Ratio Lower Upper
107 100
108 83.1 68.1 108.1
77 33.3 12.3 52.3
79 28.3 8.1 48.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

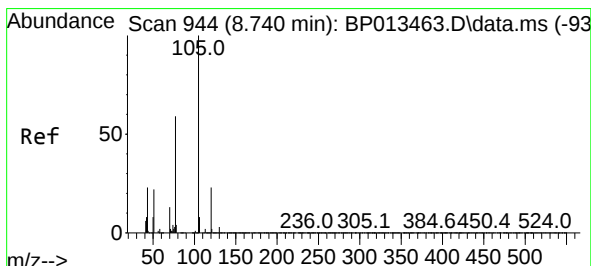
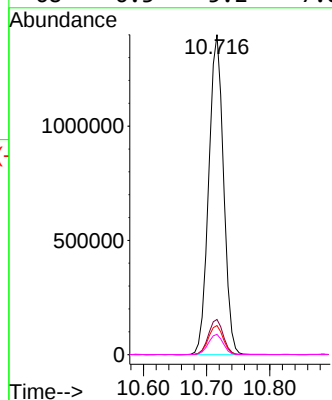
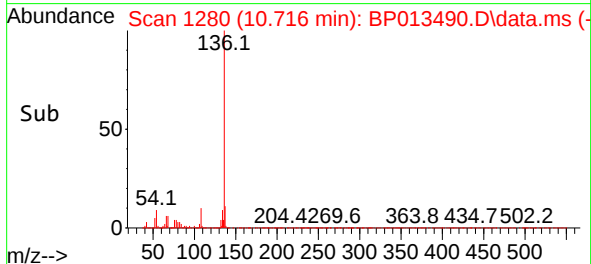
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:136 Resp: 2278462
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.1 6.6 10.0
68 6.3 5.2 7.8

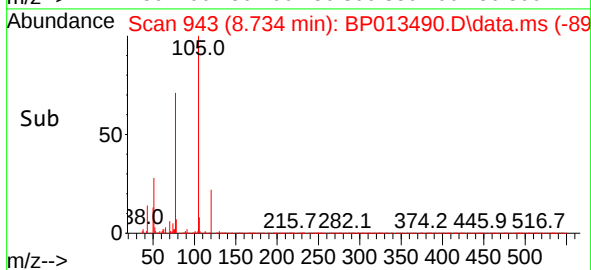
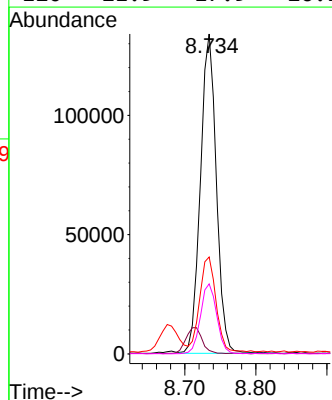
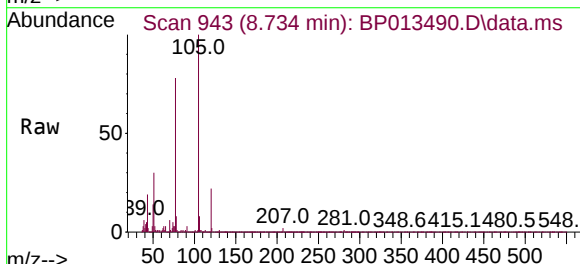
Manual Integrations
APPROVED

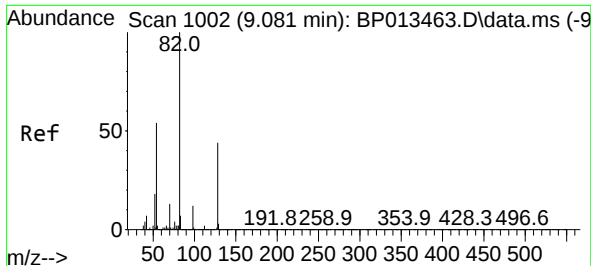
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#22
Acetophenone
Concen: 3.571 ng
RT: 8.734 min Scan# 943
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:105 Resp: 208356
Ion Ratio Lower Upper
105 100
71 1.1 2.1 3.1#
51 30.3 23.3 34.9
120 21.9 17.9 26.9





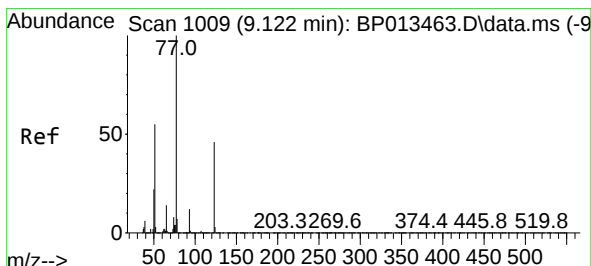
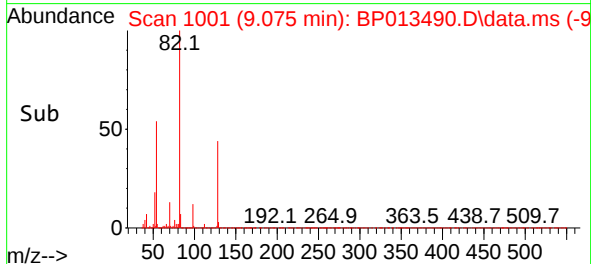
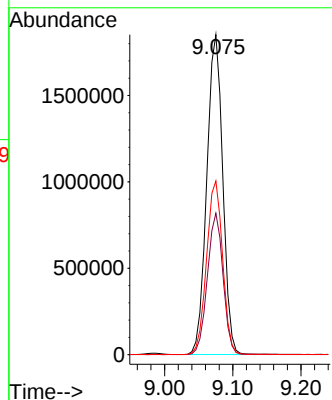
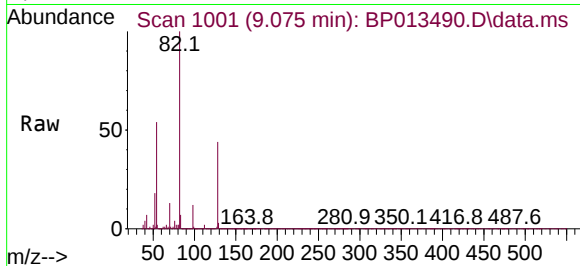
#23
Nitrobenzene-d5
Concen: 70.340 ng
RT: 9.075 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion: 82 Resp: 3016638
Ion Ratio Lower Upper
82 100
128 44.2 35.4 53.0
54 54.3 42.8 64.2

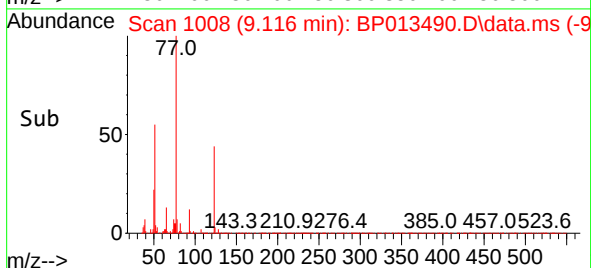
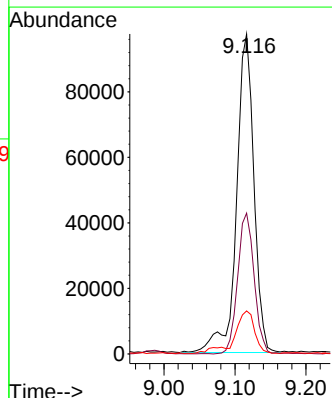
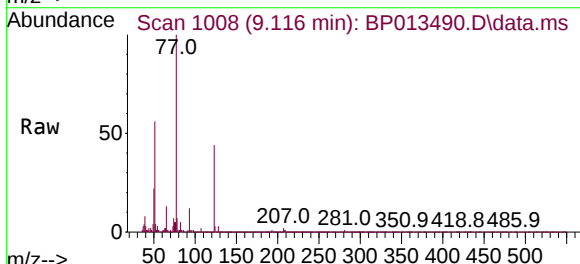
Manual Integrations
APPROVED

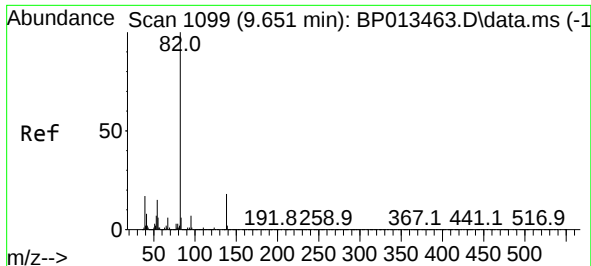
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#24
Nitrobenzene
Concen: 3.713 ng
RT: 9.116 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

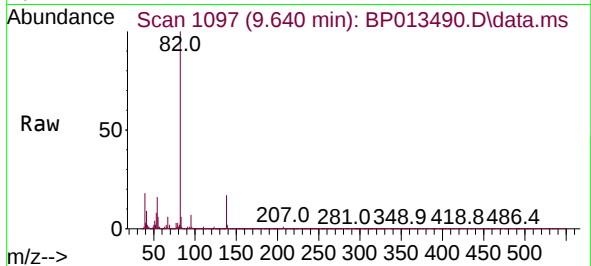
Tgt Ion: 77 Resp: 164692
Ion Ratio Lower Upper
77 100
123 44.0 36.5 54.7
65 13.4 11.0 16.6





#25
Isophorone
Concen: 3.281 ng
RT: 9.640 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

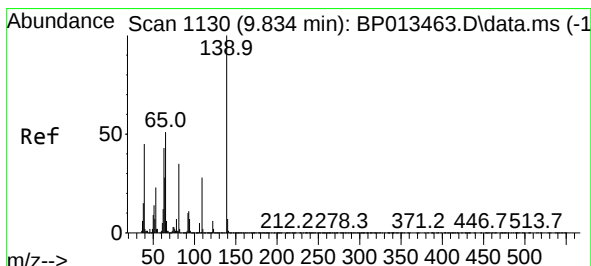
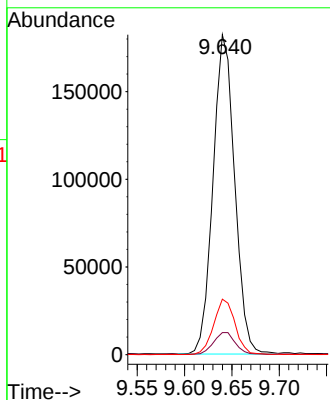
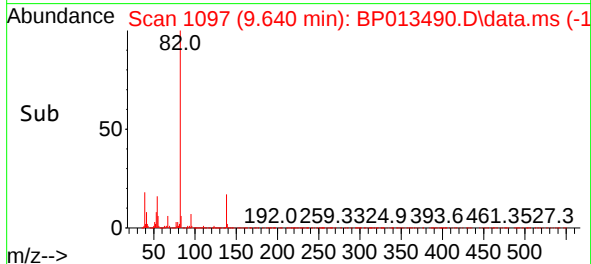
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 82 Resp: 289628
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 17.3 14.5 21.7

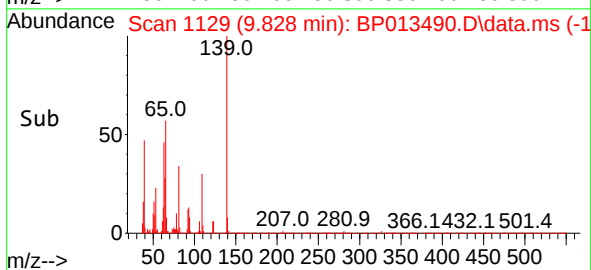
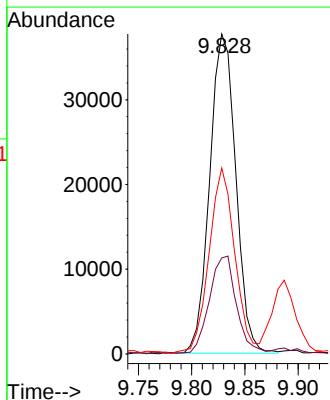
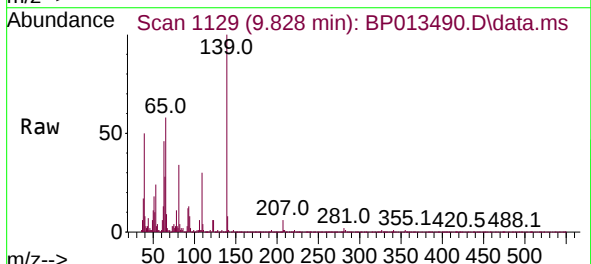
Manual Integrations
APPROVED

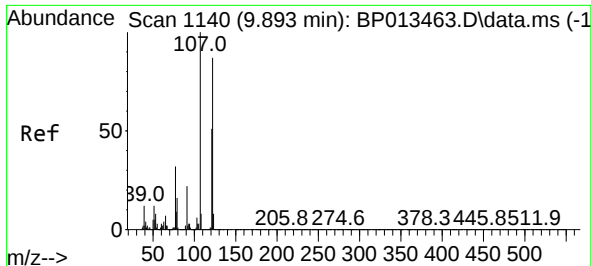
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#26
2-Nitrophenol
Concen: 2.929 ng
RT: 9.828 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:139 Resp: 64233
Ion Ratio Lower Upper
139 100
109 30.0 22.5 33.7
65 58.1 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 3.113 ng

RT: 9.887 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

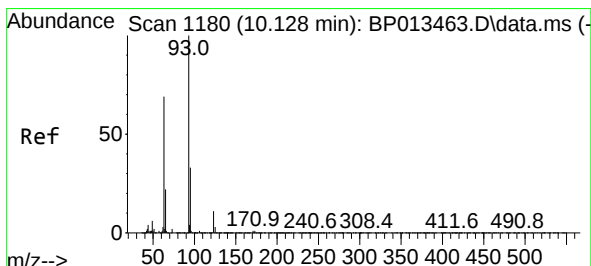
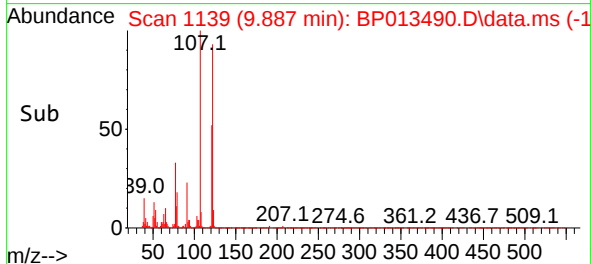
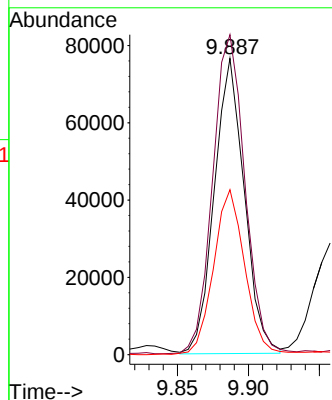
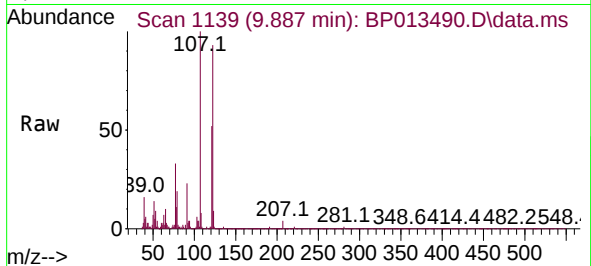
Tgt Ion:	122	Resp:	11237
Ion Ratio	Lower	Upper	
122	100		
107	108.0	91.6	137.4
121	55.7	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.441 ng

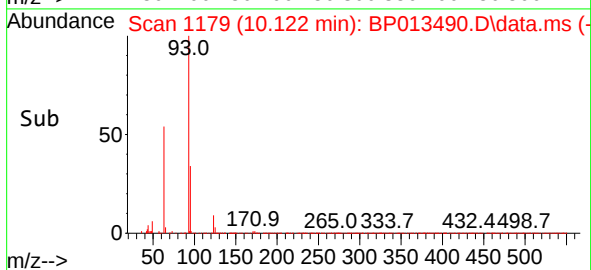
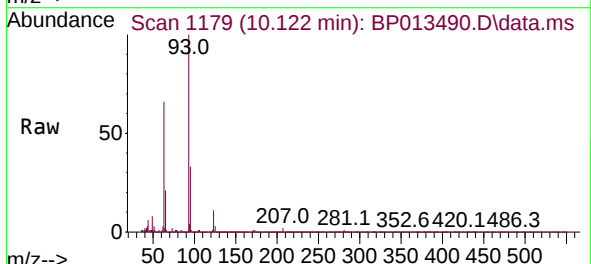
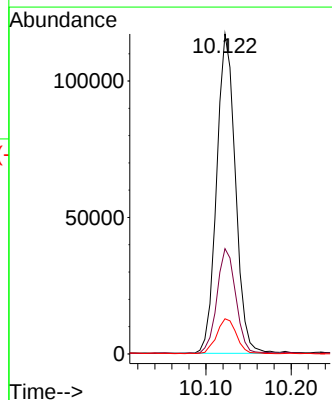
RT: 10.122 min Scan# 1179

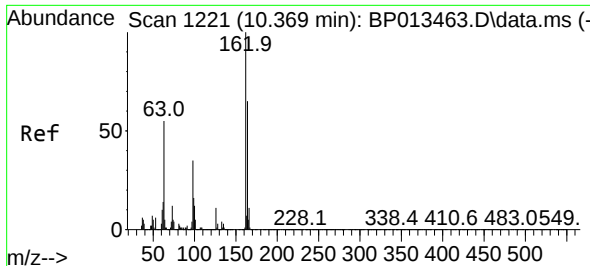
Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:	93	Resp:	179165
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.1	39.1
123	11.0	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 3.174 ng

RT: 10.363 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BP013490.D

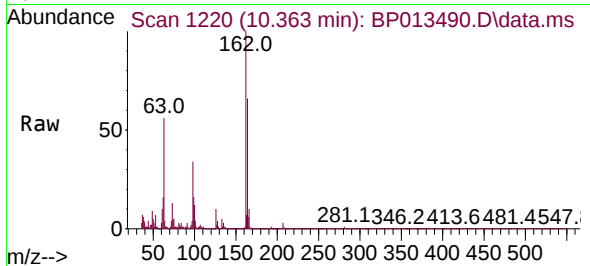
Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022



Tgt Ion:162 Resp: 120236

Ion Ratio Lower Upper

162 100

164 66.4 45.4 85.4

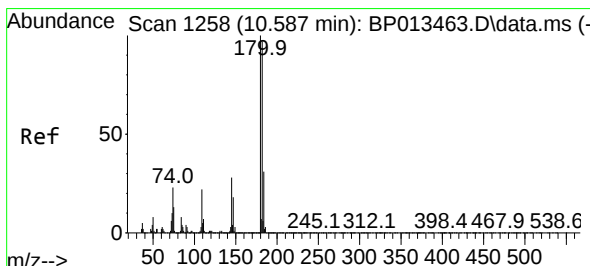
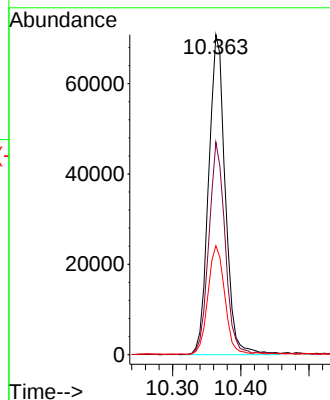
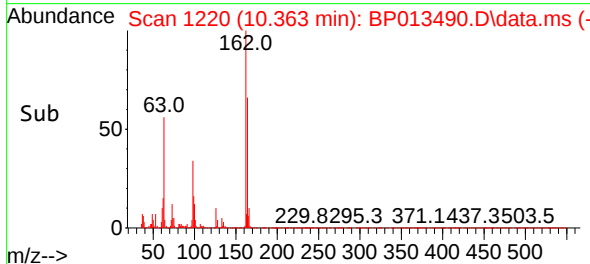
98 34.1 14.8 54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#30

1,2,4-Trichlorobenzene

Concen: 3.606 ng

RT: 10.575 min Scan# 1256

Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

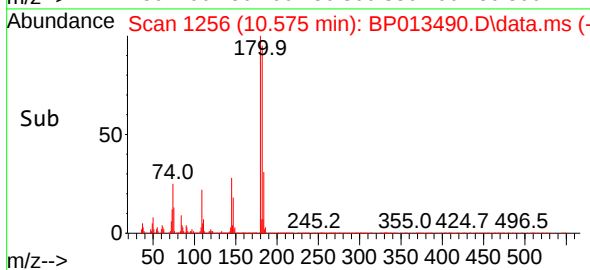
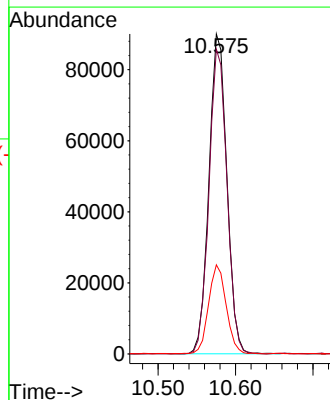
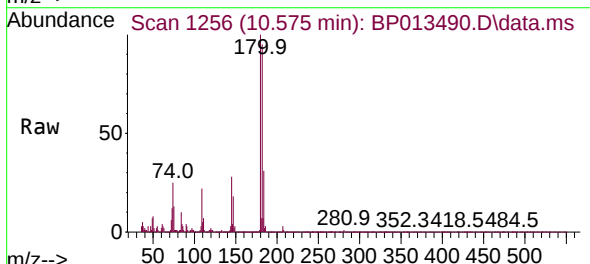
Tgt Ion:180 Resp: 144560

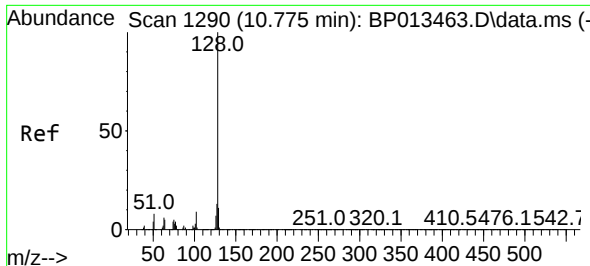
Ion Ratio Lower Upper

180 100

182 95.2 77.3 115.9

145 27.8 22.8 34.2





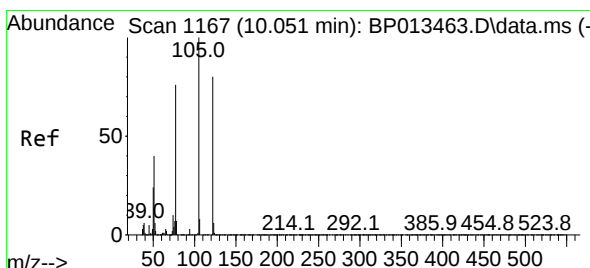
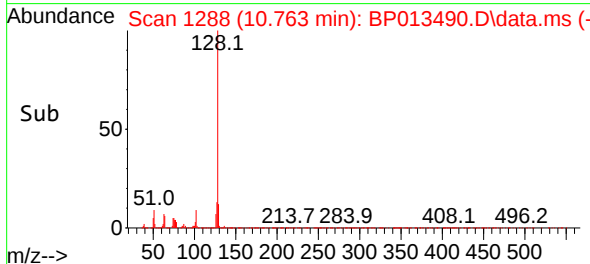
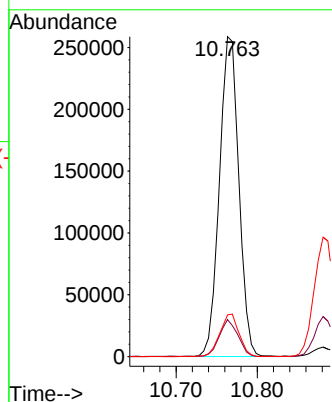
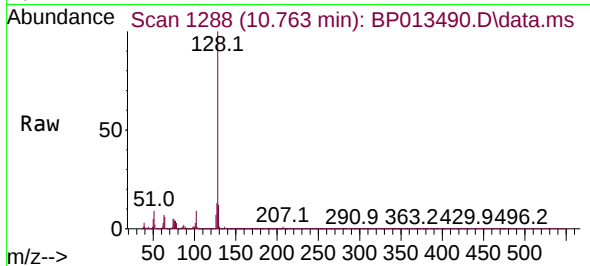
#31
Naphthalene
Concen: 3.563 ng
RT: 10.763 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT2-2022

Tgt Ion:128 Resp: 42925
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.0 10.6 16.0

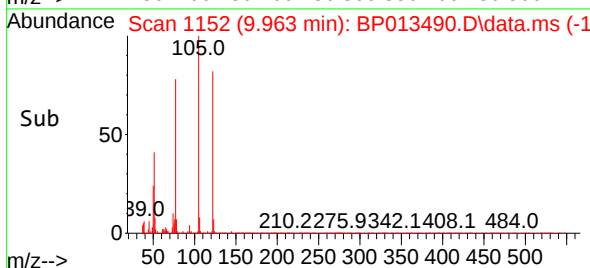
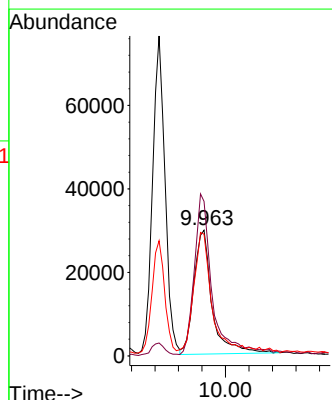
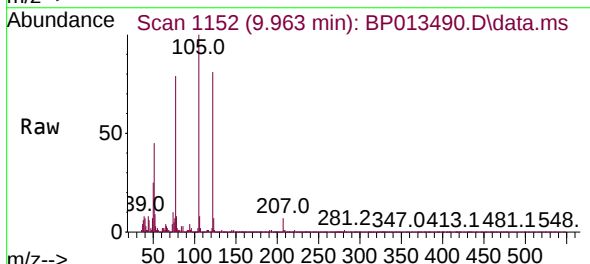
Manual Integrations
APPROVED

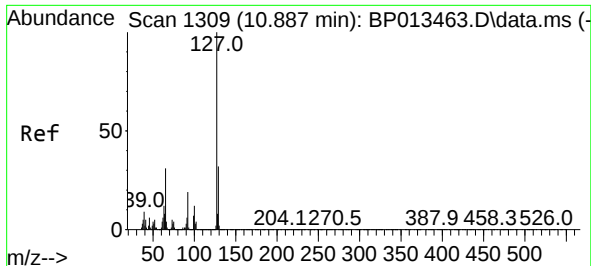
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#32
Benzoic acid
Concen: 2.128 ng
RT: 9.963 min Scan# 1152
Delta R.T. -0.088 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

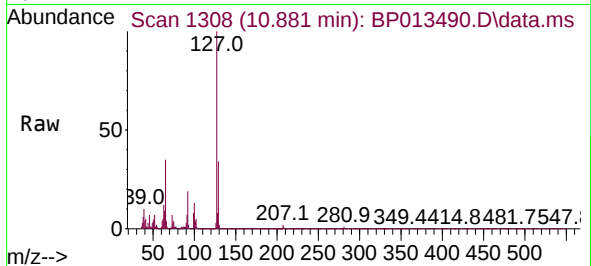
Tgt Ion:122 Resp: 64081
Ion Ratio Lower Upper
122 100
105 122.9 102.7 142.7
77 96.8 74.0 114.0





#33
4-Chloroaniline
Concen: 3.132 ng
RT: 10.881 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

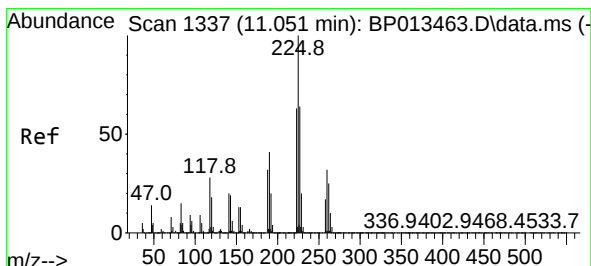
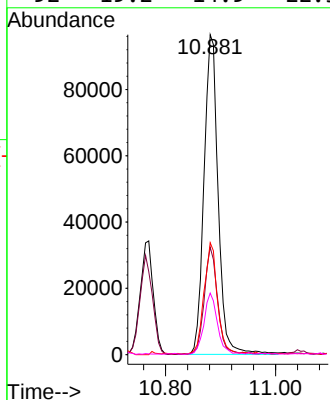
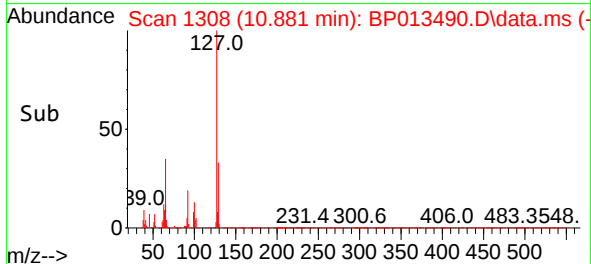


Tgt Ion:127 Resp: 172364

Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.6	38.4
65	35.0	25.2	37.8
92	19.2	14.9	22.3

Manual Integrations
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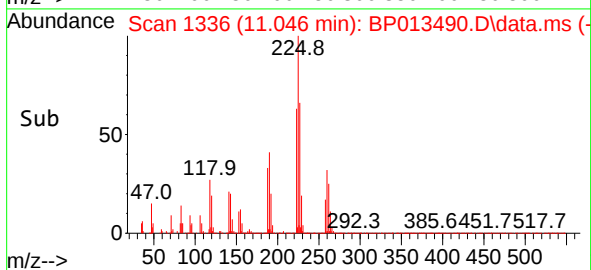
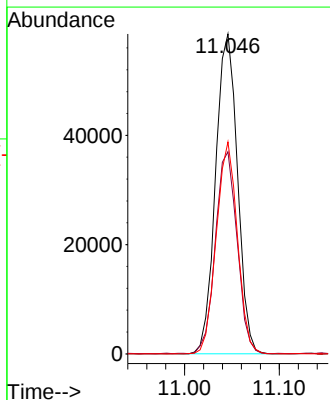
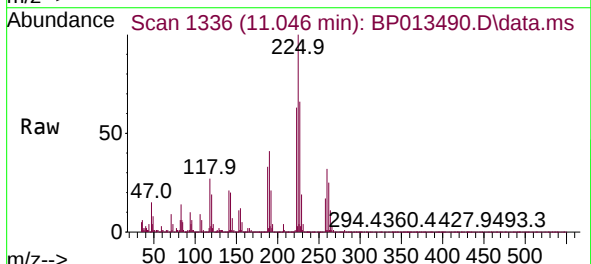
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

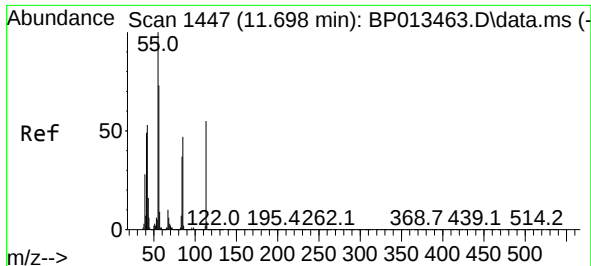


#34
Hexachlorobutadiene
Concen: 3.717 ng
RT: 11.046 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:225 Resp: 93938

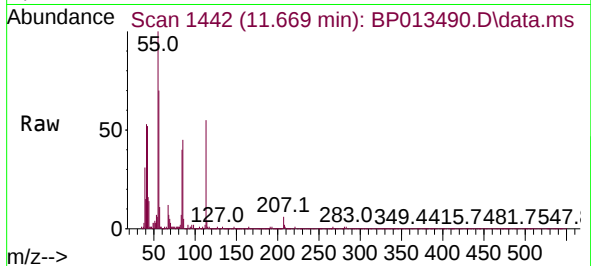
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.0	75.0
227	66.2	51.0	76.6





#35
Caprolactam
Concen: 2.896 ng
RT: 11.669 min Scan# 1447
Delta R.T. -0.029 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

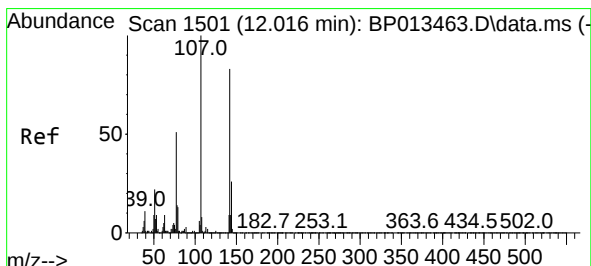
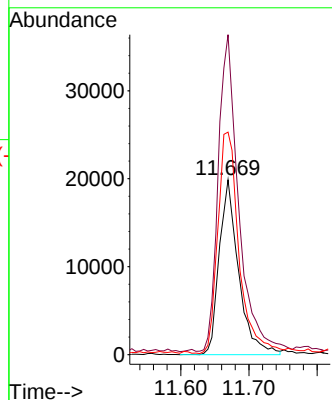
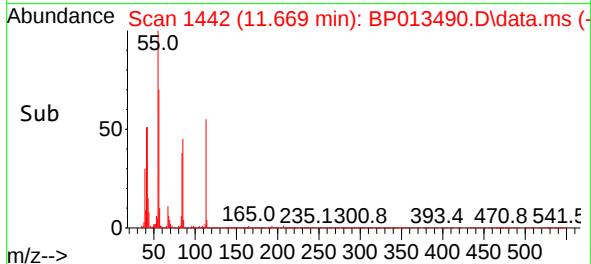
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:113 Resp: 39084
Ion Ratio Lower Upper
113 100
55 183.0 163.1 203.1
56 127.2 113.0 153.0

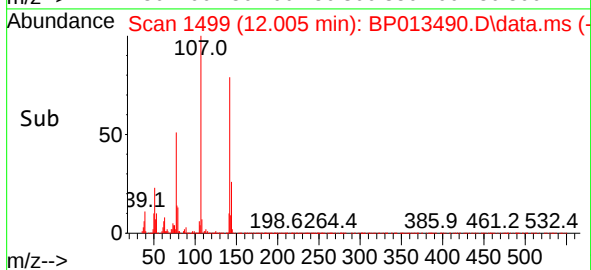
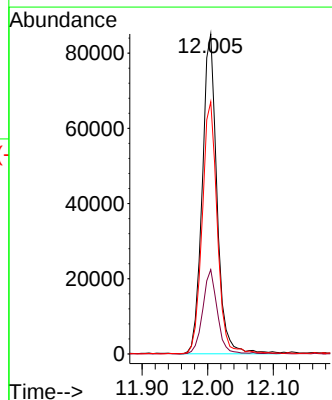
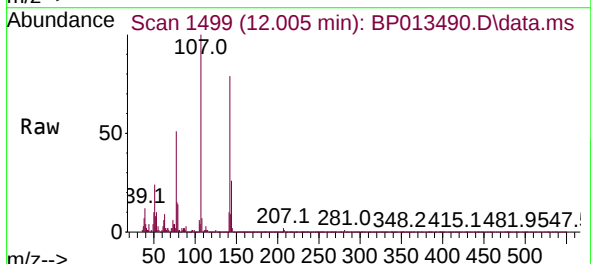
Manual Integrations
APPROVED

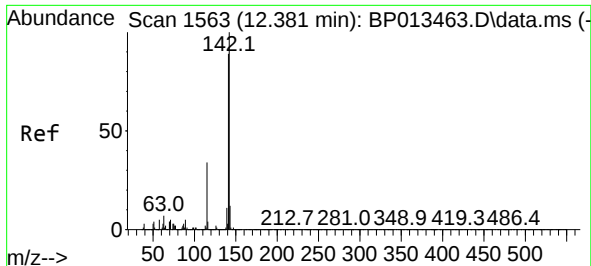
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#36
4-Chloro-3-methylphenol
Concen: 3.202 ng
RT: 12.005 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:107 Resp: 132155
Ion Ratio Lower Upper
107 100
144 26.3 21.2 31.8
142 78.8 66.0 99.0





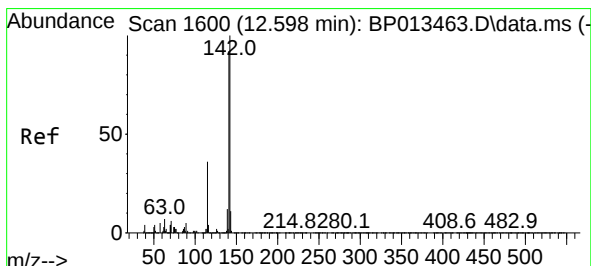
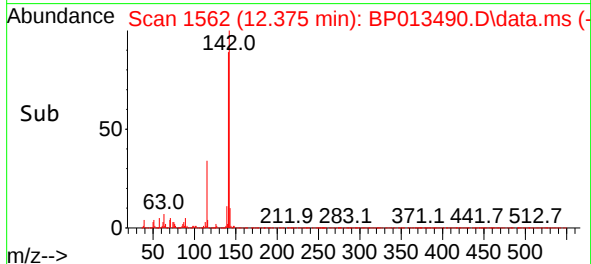
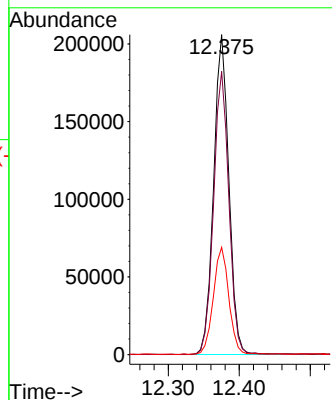
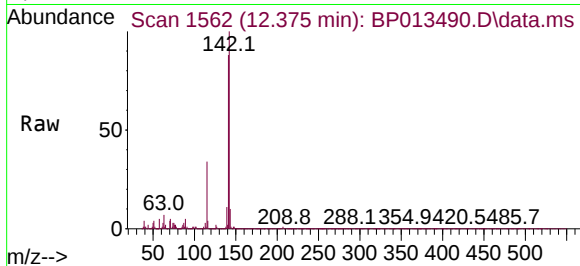
#37
2-Methylnaphthalene
Concen: 3.391 ng
RT: 12.375 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:142 Resp: 306708
Ion Ratio Lower Upper
142 100
141 88.5 71.1 106.7
115 33.5 27.6 41.4

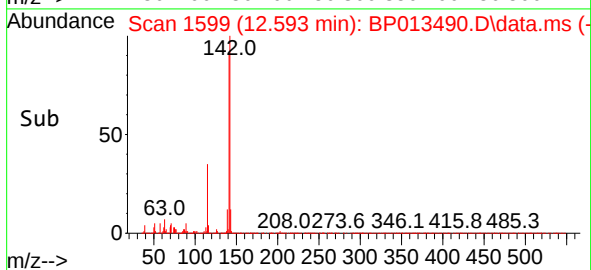
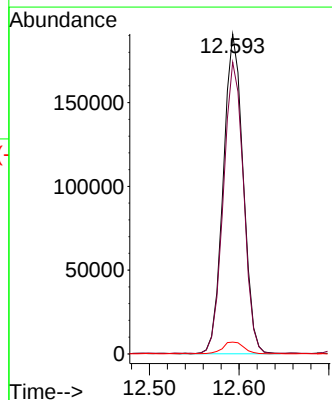
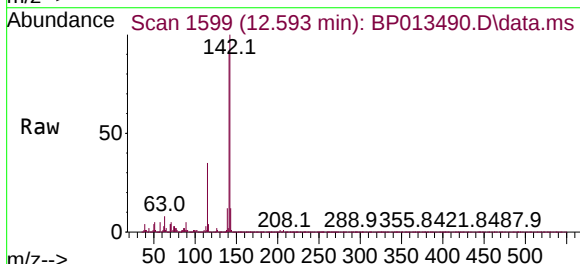
Manual Integrations
APPROVED

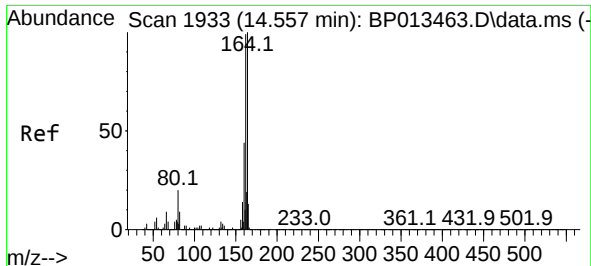
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#38
1-Methylnaphthalene
Concen: 3.455 ng
RT: 12.593 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

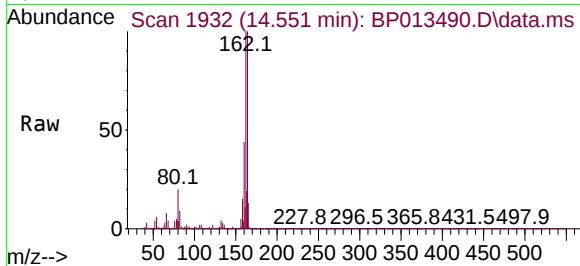
Tgt Ion:142 Resp: 294774
Ion Ratio Lower Upper
142 100
141 91.2 73.3 109.9
116 3.7 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

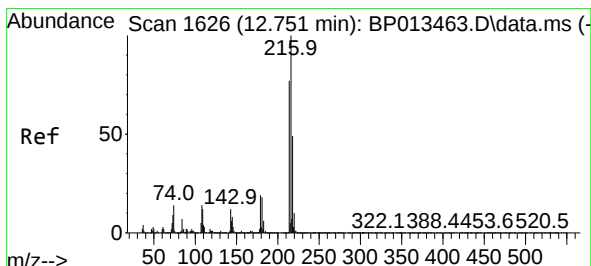
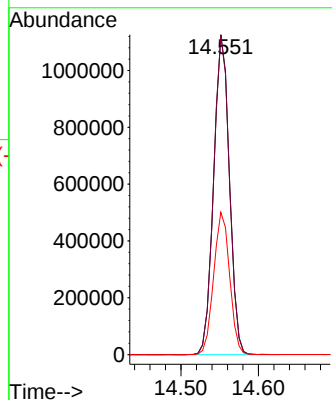
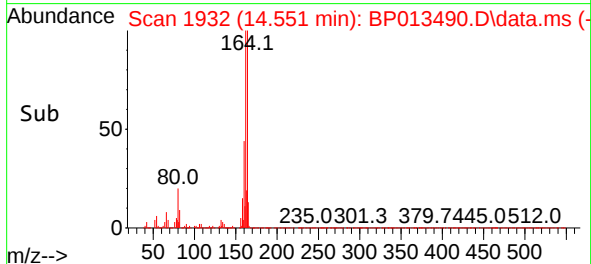
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:164 Resp: 1584925
Ion Ratio Lower Upper
164 100
162 99.8 79.5 119.3
160 44.5 35.4 53.0

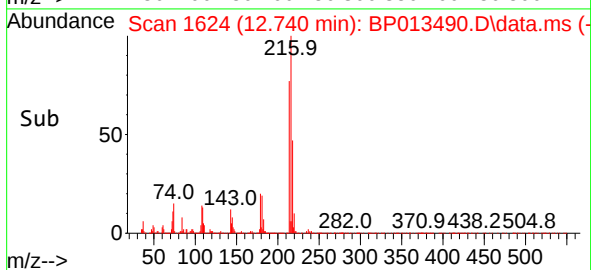
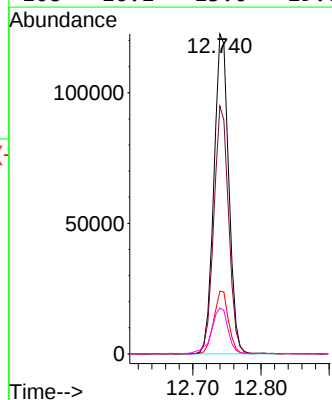
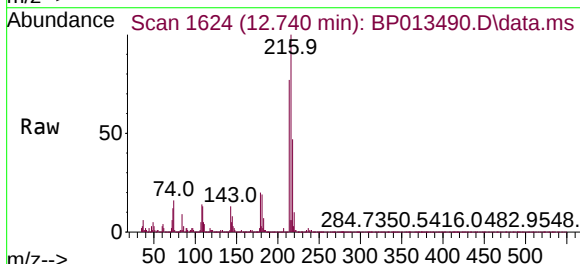
Manual Integrations
APPROVED

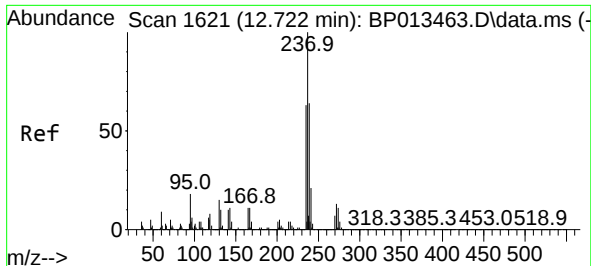
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.536 ng
RT: 12.740 min Scan# 1624
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

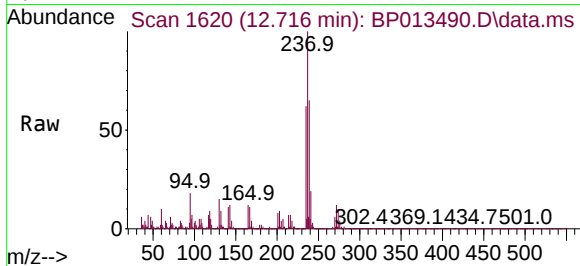
Tgt Ion:216 Resp: 183705
Ion Ratio Lower Upper
216 100
214 77.8 62.1 93.1
179 19.6 15.6 23.4
108 16.1 13.0 19.6





#41
Hexachlorocyclopentadiene
Concen: 2.735 ng
RT: 12.716 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

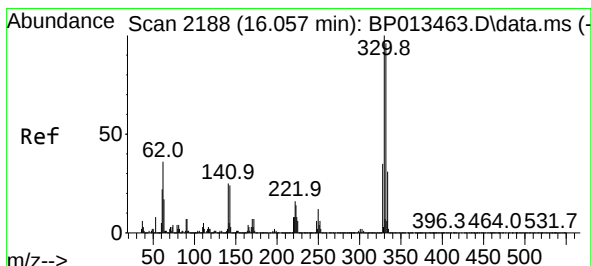
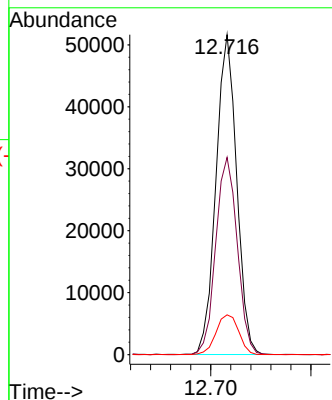
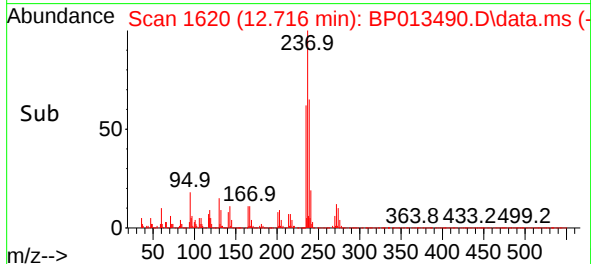
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 237 Resp: 7408
Ion Ratio Lower Upper
237 100
235 61.6 43.4 83.4
272 12.4 0.0 32.7

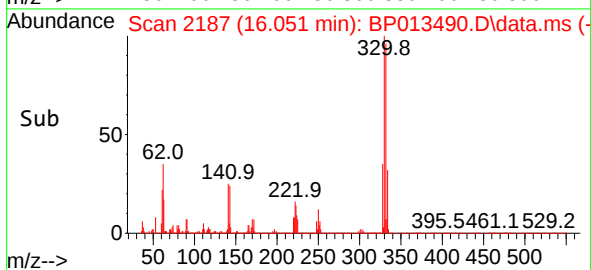
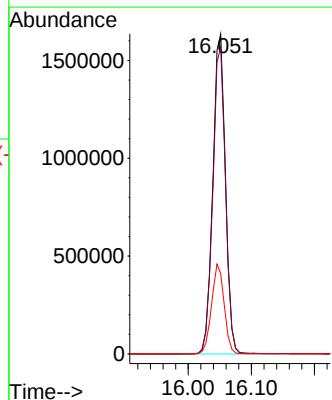
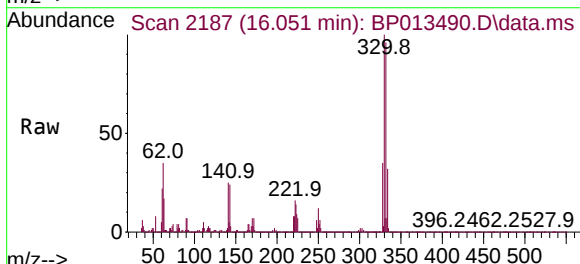
Manual Integrations
APPROVED

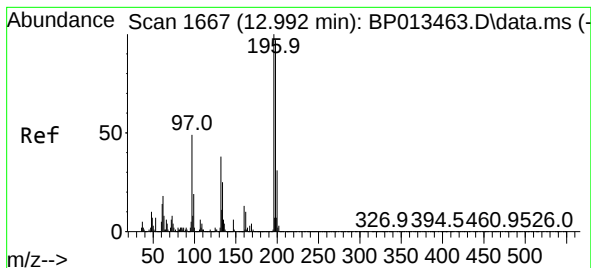
Reviewed By : Christian Giraldo 01/18/2023
Supervised By : Jagrut Upadhyay 01/18/2023



#42
2,4,6-Tribromophenol
Concen: 91.977 ng
RT: 16.051 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 330 Resp: 2275500
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 28.0 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 3.049 ng

RT: 12.987 min Scan# 1666

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:196 Resp: 10891

Ion Ratio Lower Upper

196 100

198 92.8 77.4 116.0

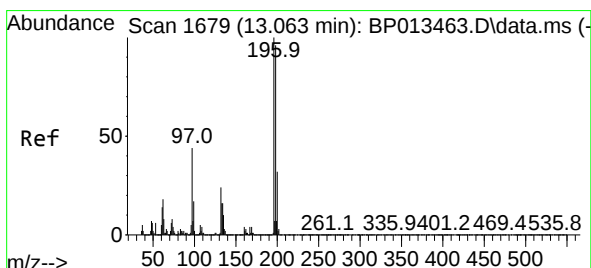
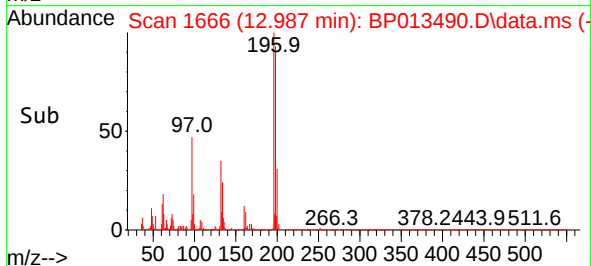
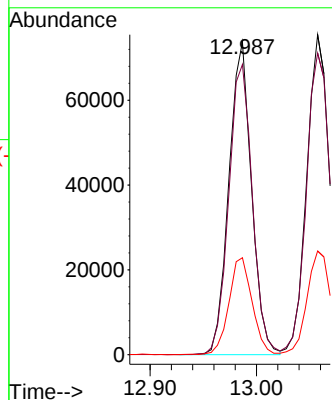
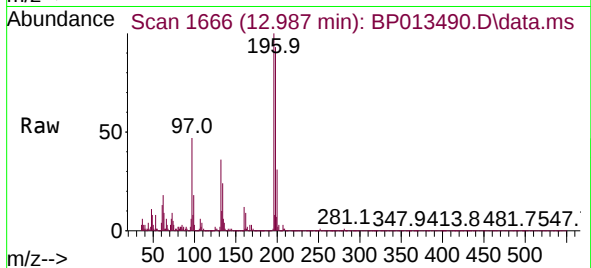
200 31.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#44

2,4,5-Trichlorophenol

Concen: 2.791 ng

RT: 13.057 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:196 Resp: 116984

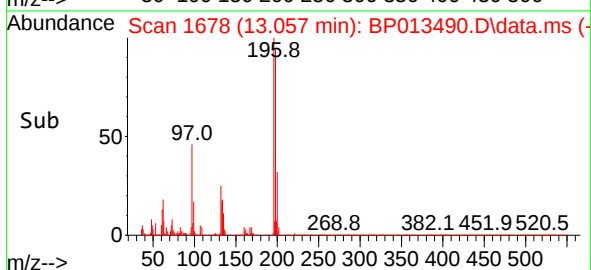
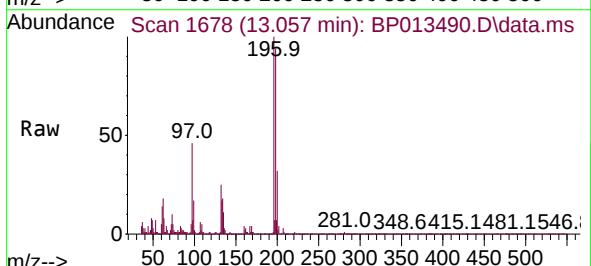
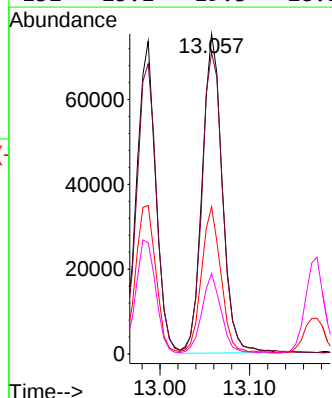
Ion Ratio Lower Upper

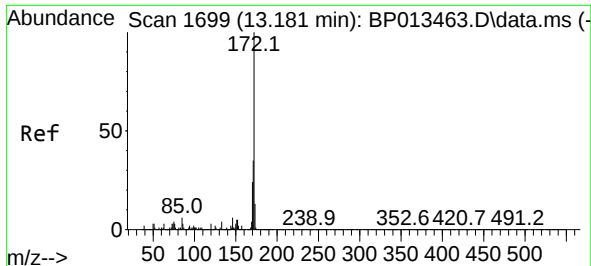
196 100

198 94.2 76.8 115.2

97 46.0 34.9 52.3

132 25.1 19.3 28.9





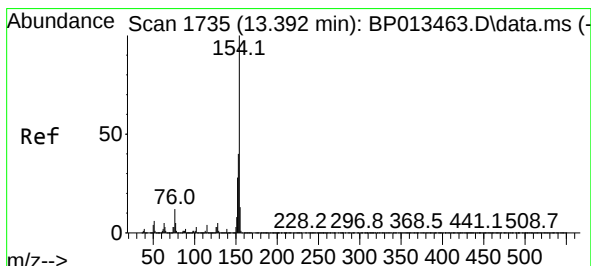
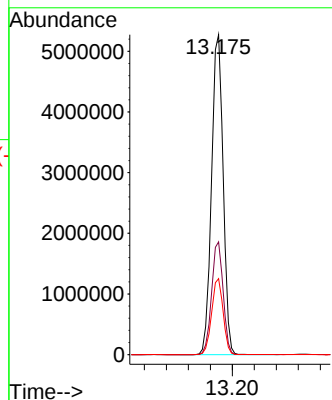
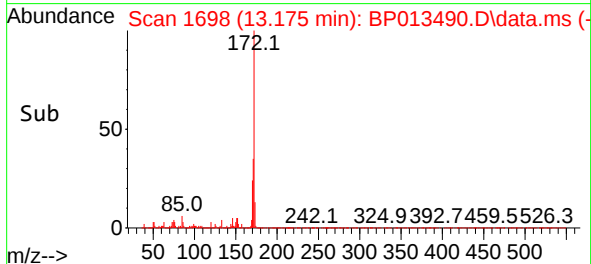
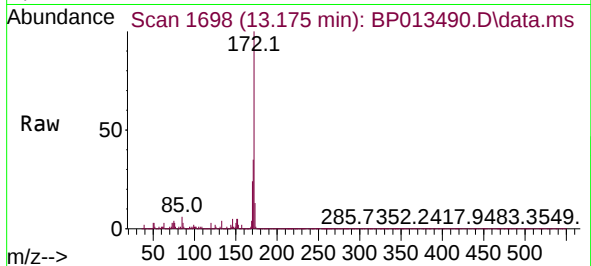
#45
2-Fluorobiphenyl
Concen: 71.211 ng
RT: 13.175 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:172 Resp: 7720650
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.7 19.0 28.4

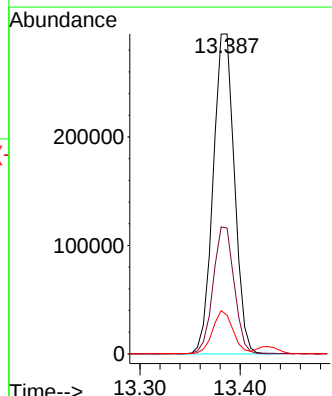
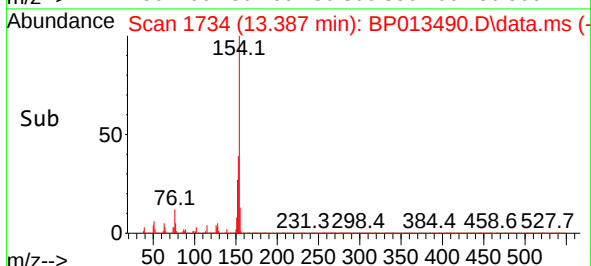
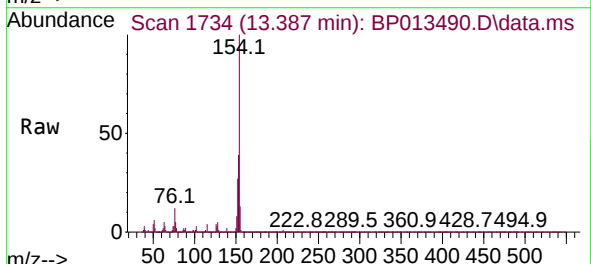
Manual Integrations
APPROVED

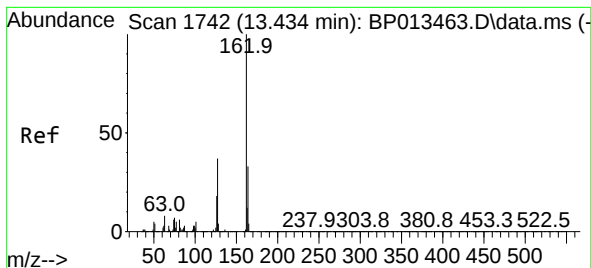
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#46
1,1'-Biphenyl
Concen: 3.632 ng
RT: 13.387 min Scan# 1734
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

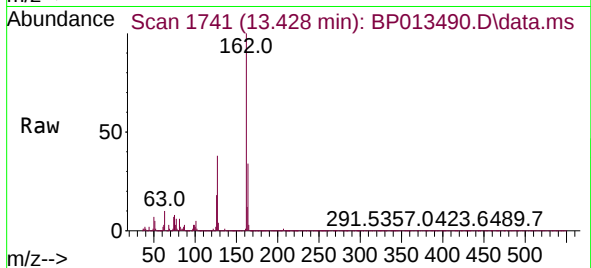
Tgt Ion:154 Resp: 435251
Ion Ratio Lower Upper
154 100
153 39.3 19.9 59.9
76 12.1 0.0 32.5





#47
2-Chloronaphthalene
Concen: 3.487 ng
RT: 13.428 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

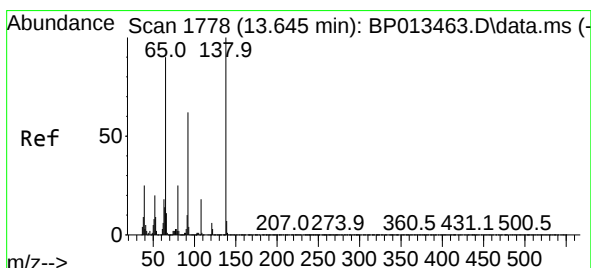
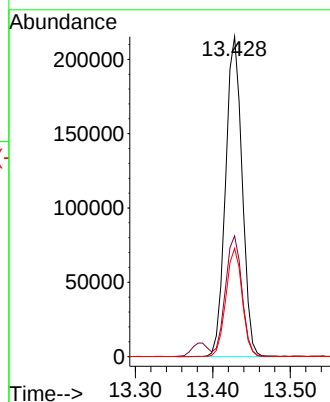
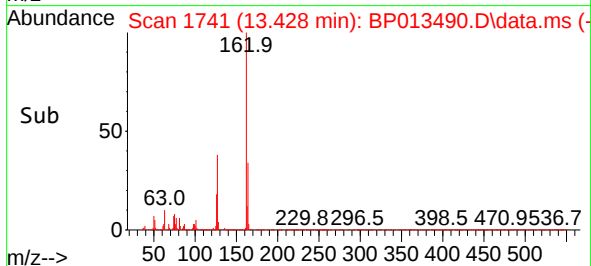
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:162 Resp: 320449
Ion Ratio Lower Upper
162 100
127 37.7 29.8 44.8
164 33.8 26.4 39.6

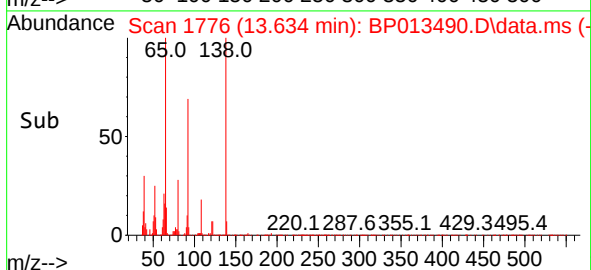
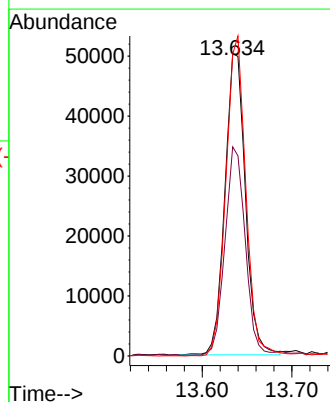
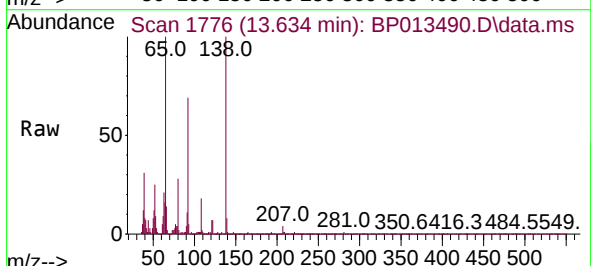
Manual Integrations
APPROVED

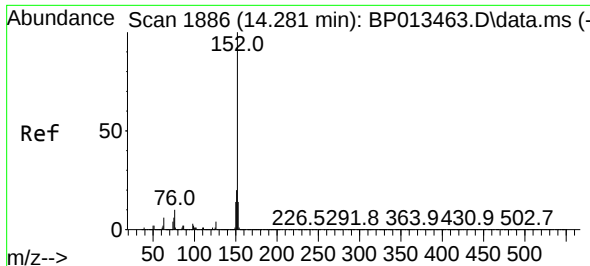
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#48
2-Nitroaniline
Concen: 2.657 ng
RT: 13.634 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion: 65 Resp: 80367
Ion Ratio Lower Upper
65 100
92 69.1 55.1 82.7
138 99.7 88.5 132.7





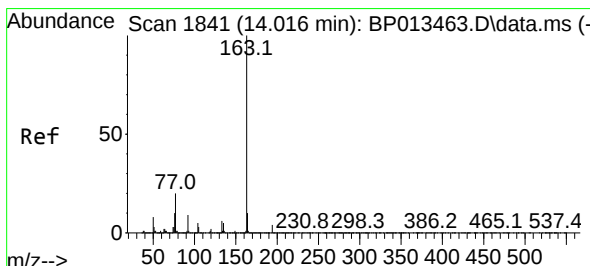
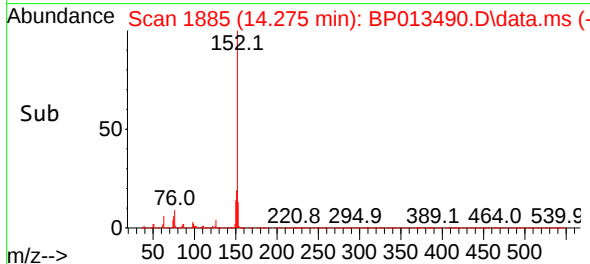
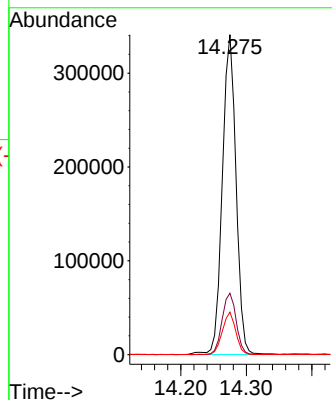
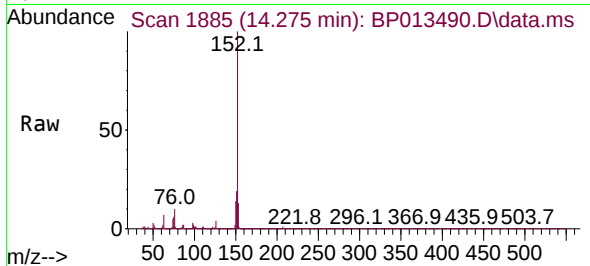
#49
Acenaphthylene
Concen: 3.276 ng
RT: 14.275 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:152 Resp: 496501
Ion Ratio Lower Upper
152 100
151 19.2 16.0 24.0
153 13.3 10.9 16.3

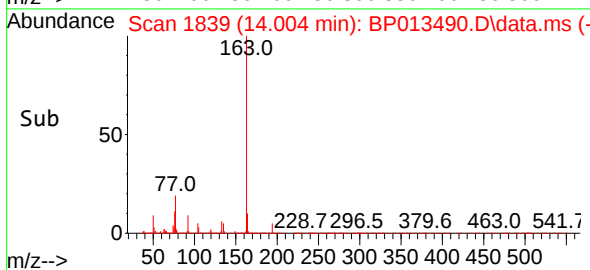
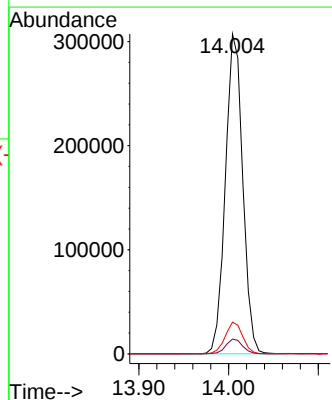
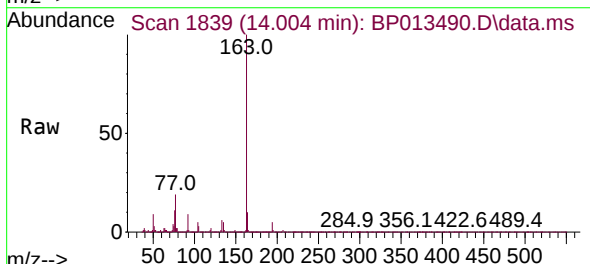
Manual Integrations
APPROVED

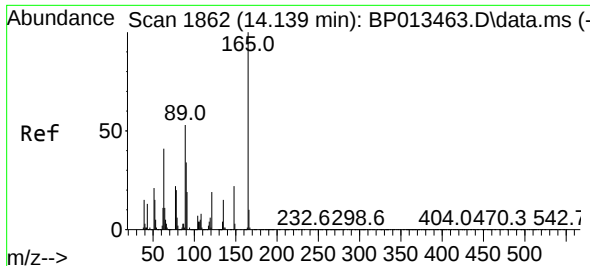
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#50
Dimethylphthalate
Concen: 3.290 ng
RT: 14.004 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

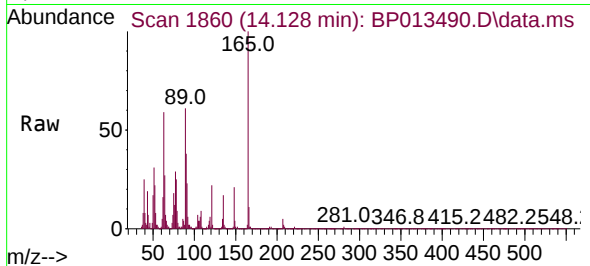
Tgt Ion:163 Resp: 413518
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 9.9 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 2.934 ng
RT: 14.128 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

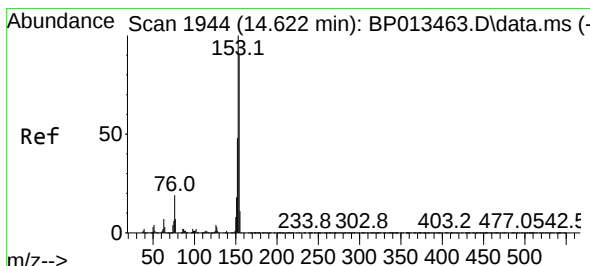
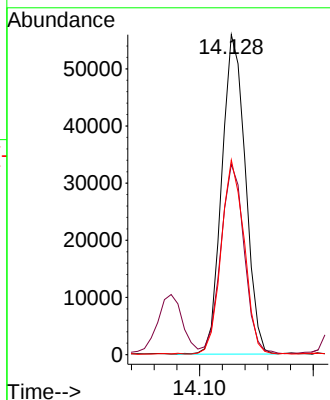
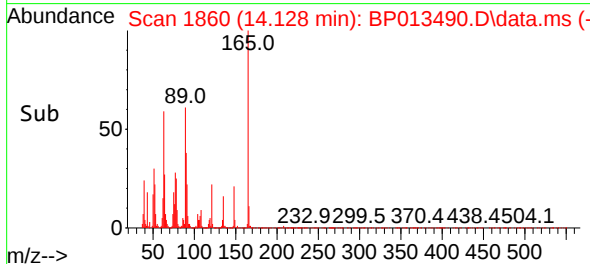
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



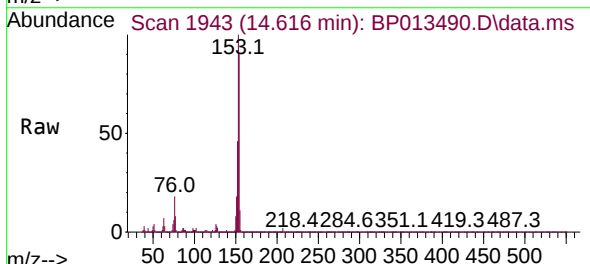
Tgt Ion:165 Resp: 80426
Ion Ratio Lower Upper
165 100
63 59.5 42.8 64.2
89 60.8 42.5 63.7

Manual Integrations
APPROVED

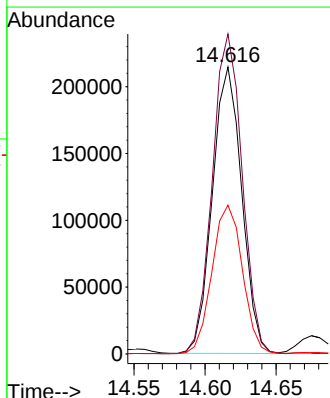
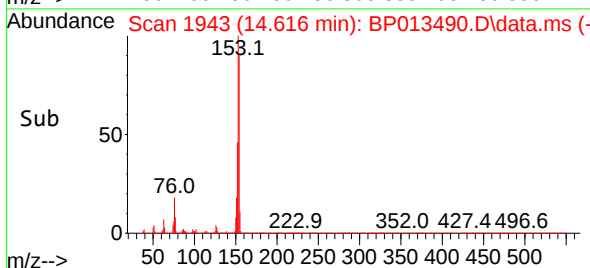
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

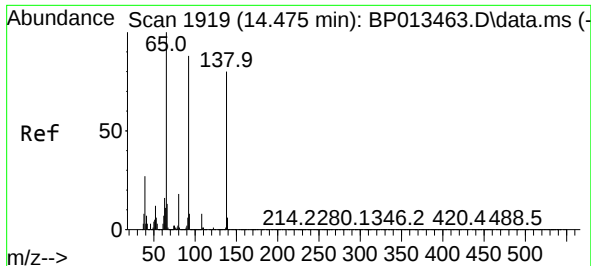


#52
Acenaphthene
Concen: 3.443 ng
RT: 14.616 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21



Tgt Ion:154 Resp: 308885
Ion Ratio Lower Upper
154 100
153 111.6 89.2 133.8
152 51.9 42.8 64.2





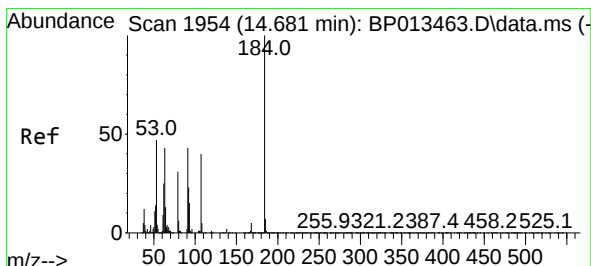
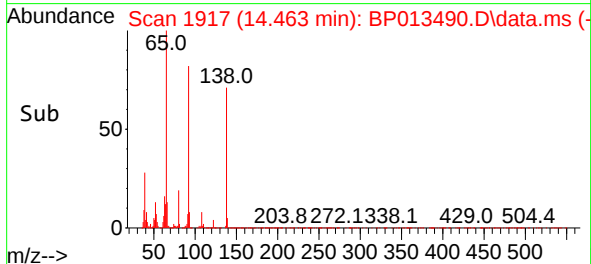
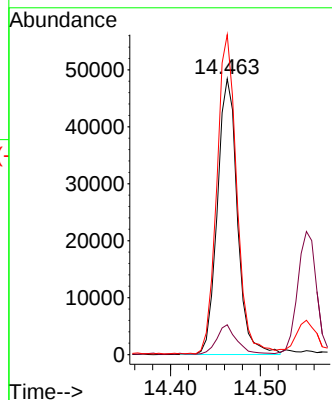
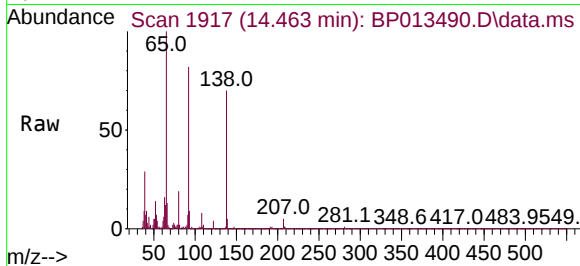
#53
3-Nitroaniline
Concen: 2.583 ng
RT: 14.463 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument : BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:138 Resp: 75752
Ion Ratio Lower Upper
138 100
108 10.9 7.7 11.5
92 116.0 88.2 132.2

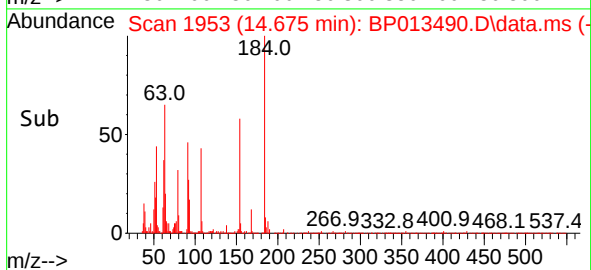
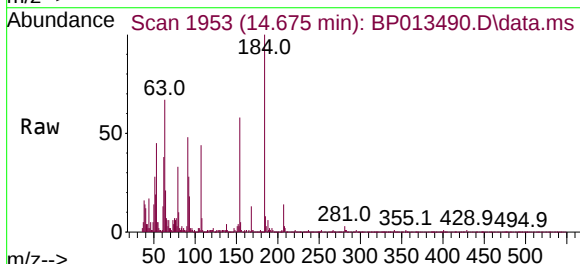
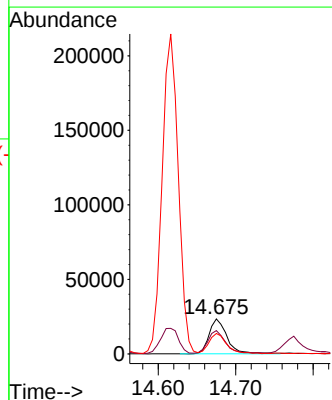
Manual Integrations
APPROVED

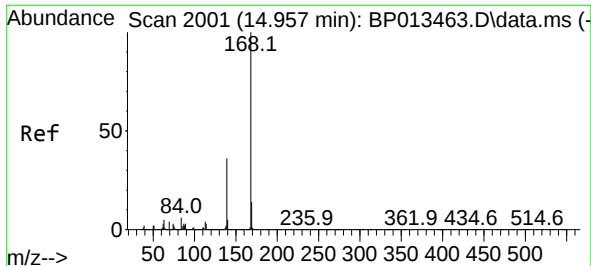
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#54
2,4-Dinitrophenol
Concen: 2.024 ng
RT: 14.675 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

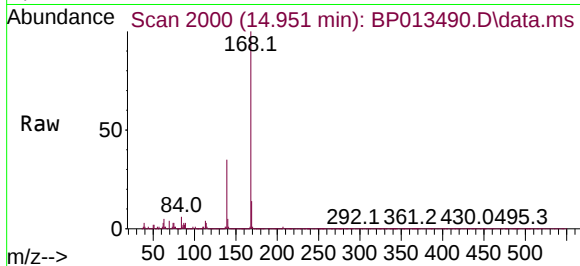
Tgt Ion:184 Resp: 37699
Ion Ratio Lower Upper
184 100
63 66.8 49.8 74.8
154 58.3 45.8 68.8





#55
Dibenzenofuran
Concen: 3.510 ng
RT: 14.951 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

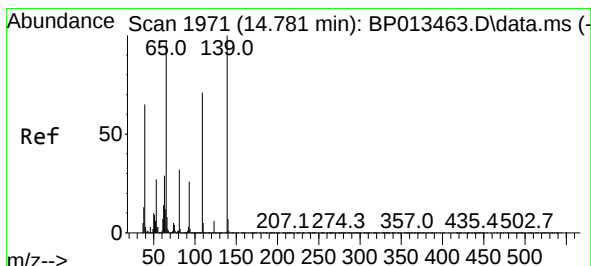
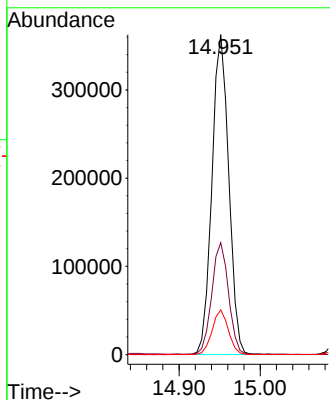
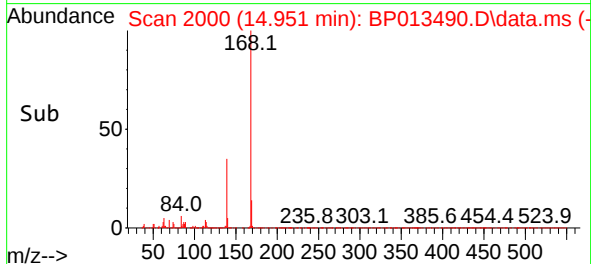
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:168 Resp: 522100
Ion Ratio Lower Upper
168 100
139 35.0 28.6 43.0
169 14.0 11.0 16.6

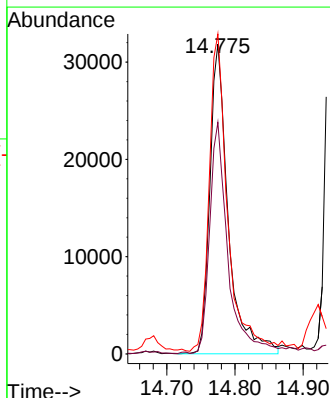
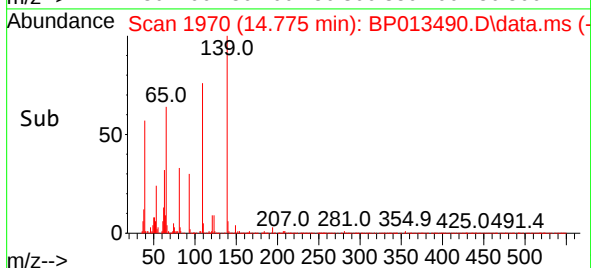
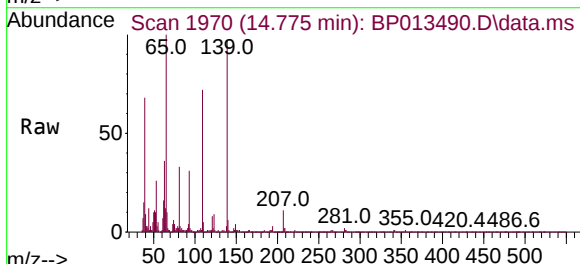
Manual Integrations
APPROVED

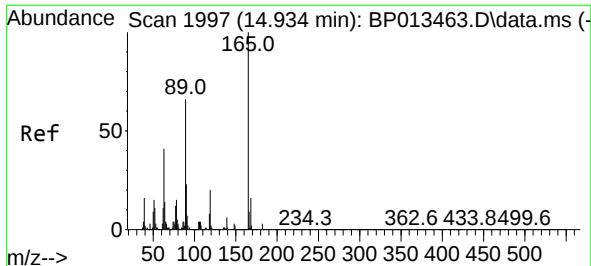
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#56
4-Nitrophenol
Concen: 2.535 ng
RT: 14.775 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

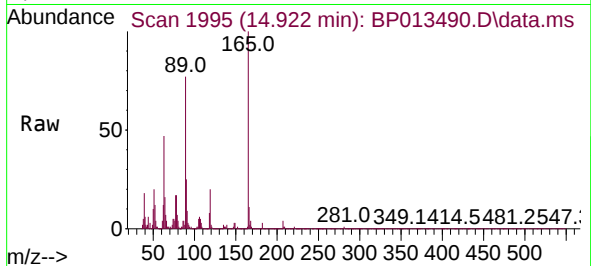
Tgt Ion:139 Resp: 59745
Ion Ratio Lower Upper
139 100
109 74.8 51.0 91.0
65 103.3 77.3 117.3





#57
2,4-Dinitrotoluene
Concen: 2.772 ng
RT: 14.922 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

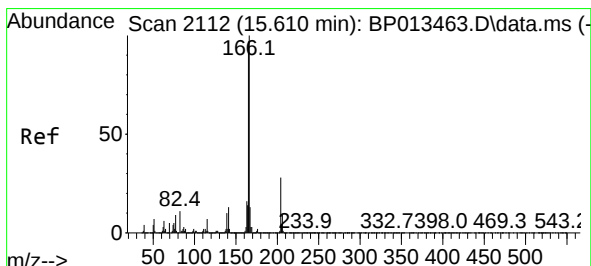
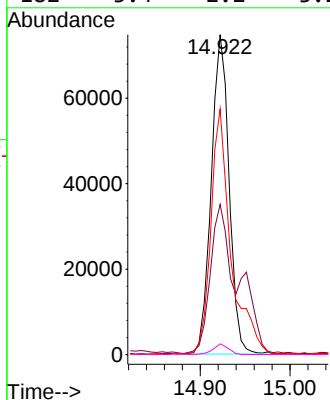
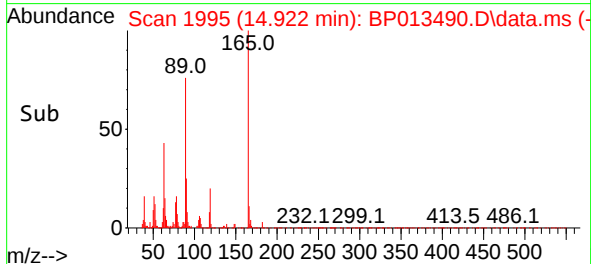
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



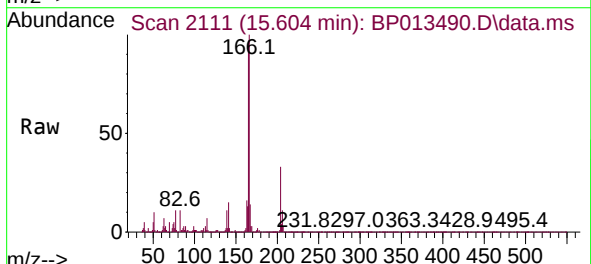
Tgt Ion:165 Resp: 103931
Ion Ratio Lower Upper
165 100
63 46.9 33.3 49.9
89 76.8 52.6 78.8
182 3.4 2.2 3.2#

Manual Integrations
APPROVED

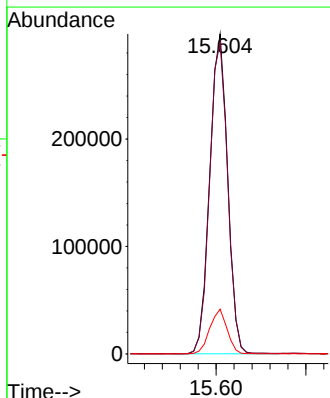
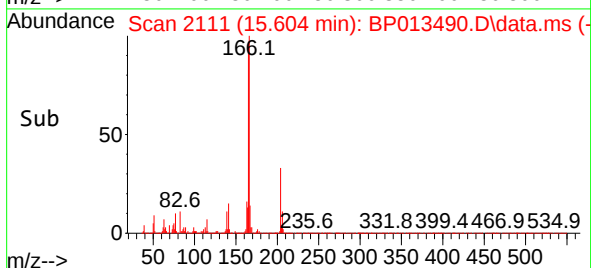
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

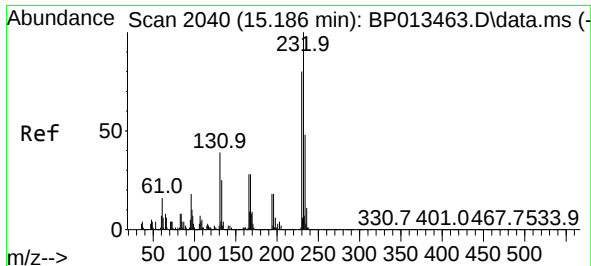


#58
Fluorene
Concen: 3.510 ng
RT: 15.604 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21



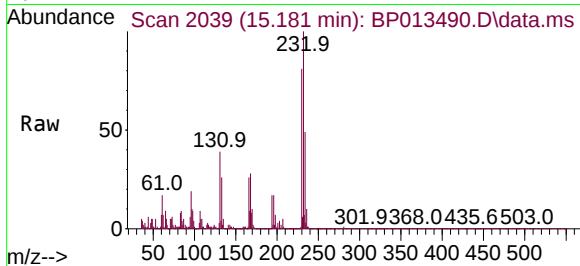
Tgt Ion:166 Resp: 411923
Ion Ratio Lower Upper
166 100
165 97.3 77.9 116.9
167 14.0 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.041 ng
RT: 15.181 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

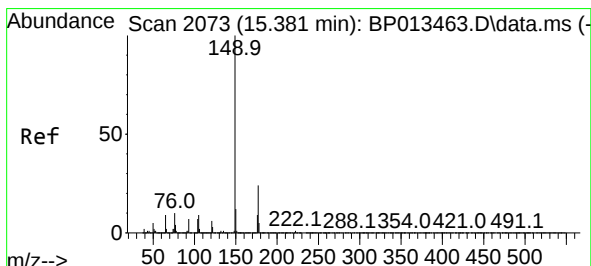
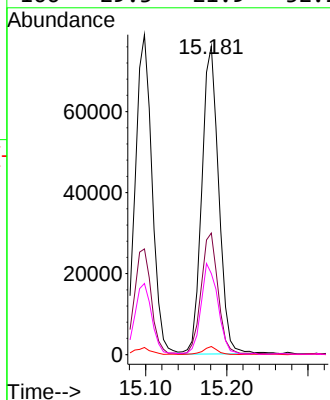
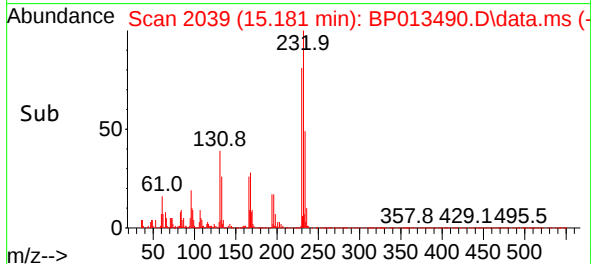
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:232 Resp: 110197
Ion Ratio Lower Upper
232 100
131 39.3 30.3 45.5
130 2.3 1.7 2.5
166 29.3 21.9 32.9

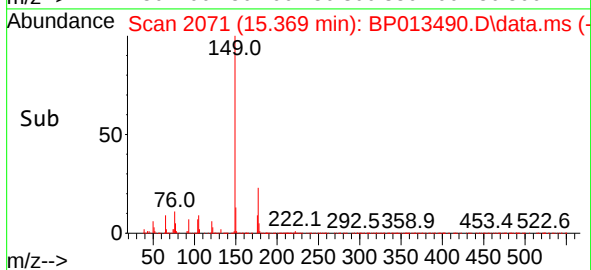
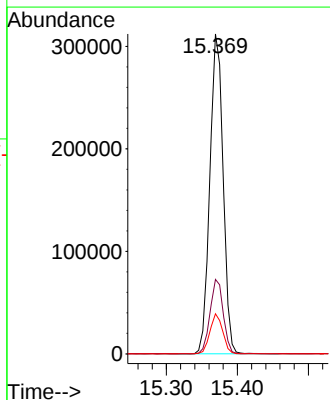
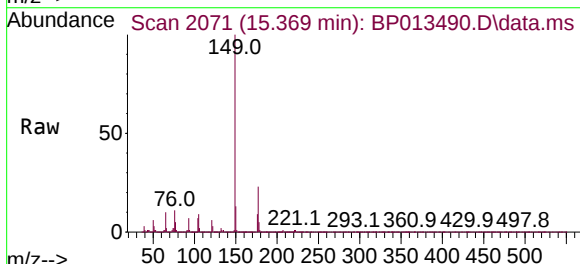
Manual Integrations
APPROVED

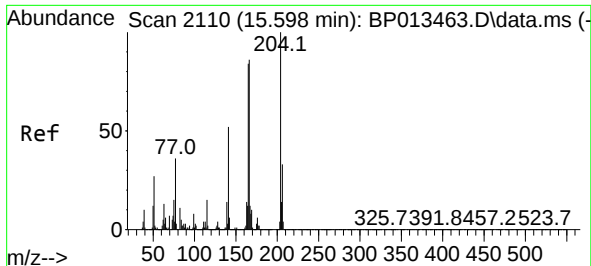
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#60
Diethylphthalate
Concen: 3.288 ng
RT: 15.369 min Scan# 2071
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

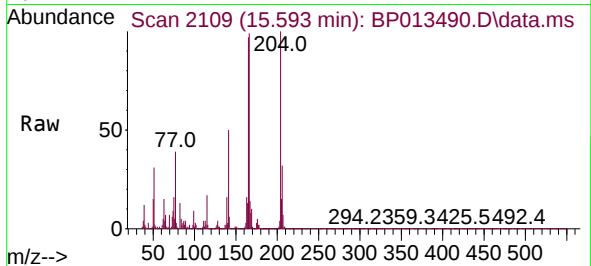
Tgt Ion:149 Resp: 404383
Ion Ratio Lower Upper
149 100
177 23.3 18.8 28.2
150 12.6 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 3.542 ng
RT: 15.593 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

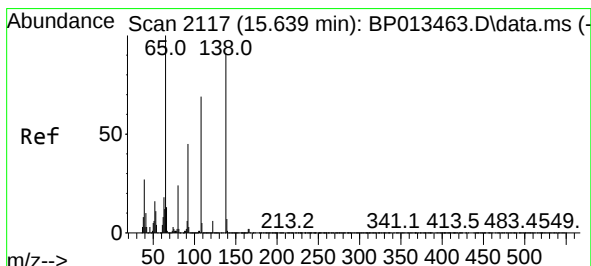
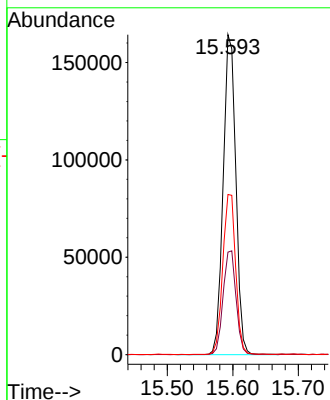
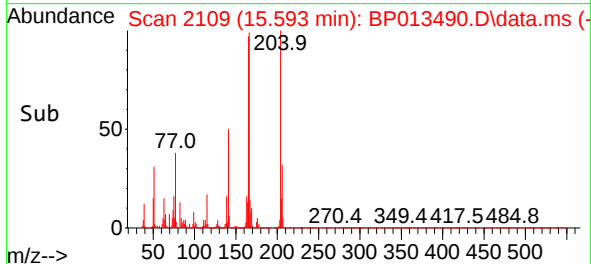
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 204 Resp: 220802
Ion Ratio Lower Upper
204 100
206 32.0 26.4 39.6
141 50.0 41.3 61.9

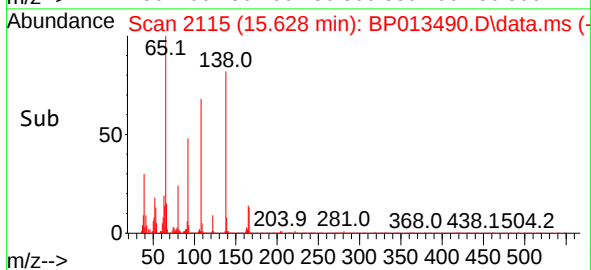
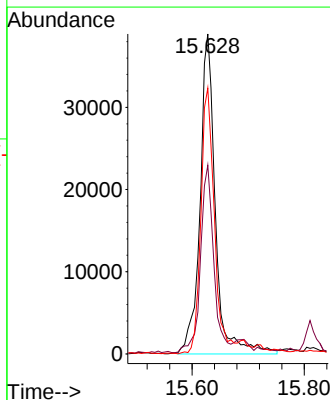
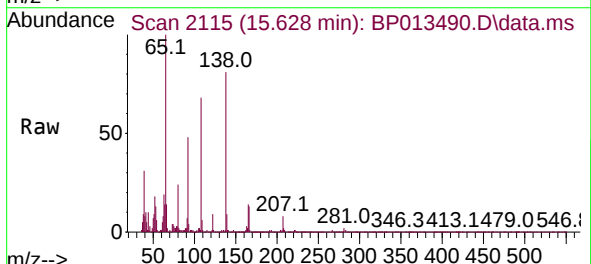
Manual Integrations
APPROVED

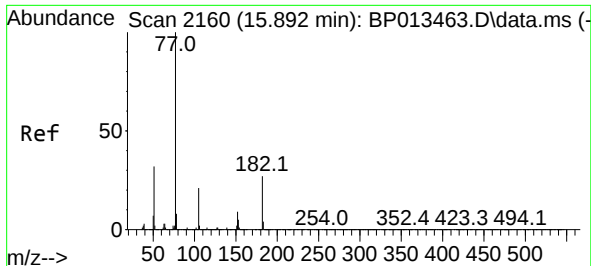
Reviewed By : Christian Giraldo 01/18/2023
Supervised By : Jagrut Upadhyay 01/18/2023



#62
4-Nitroaniline
Concen: 2.469 ng m
RT: 15.628 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

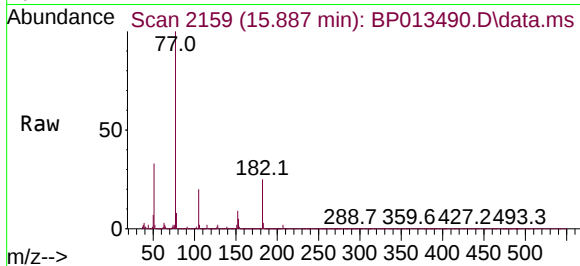
Tgt Ion: 138 Resp: 74157
Ion Ratio Lower Upper
138 100
92 59.0 29.7 69.7
108 83.1 55.8 95.8





#63
Azobenzene
Concen: 3.187 ng
RT: 15.887 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

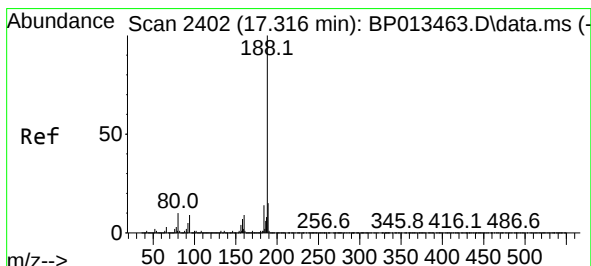
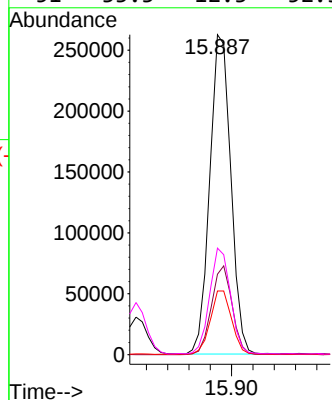
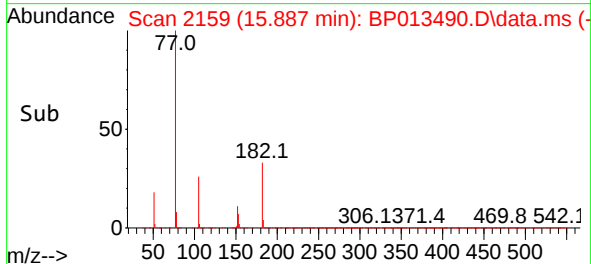
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 77 Resp: 359933
Ion Ratio Lower Upper
77 100
182 25.1 7.0 47.0
105 19.9 1.0 41.0
51 33.3 12.3 52.3

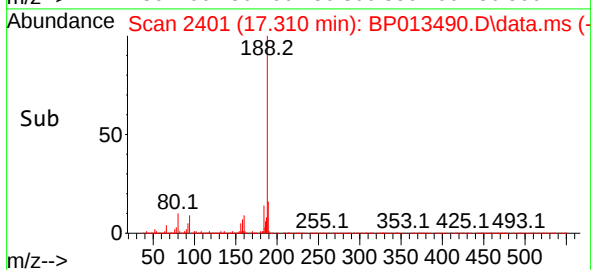
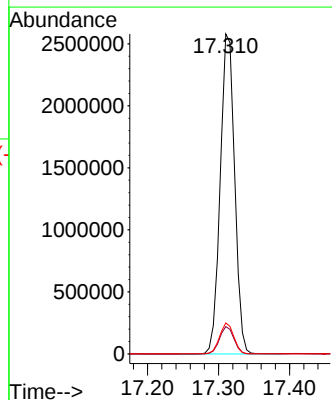
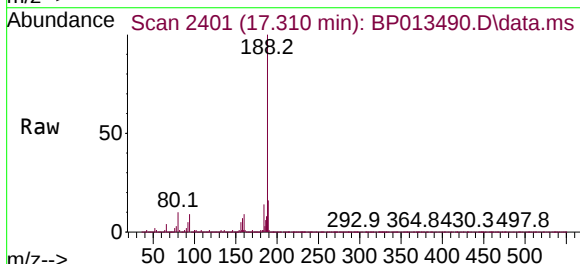
Manual Integrations
APPROVED

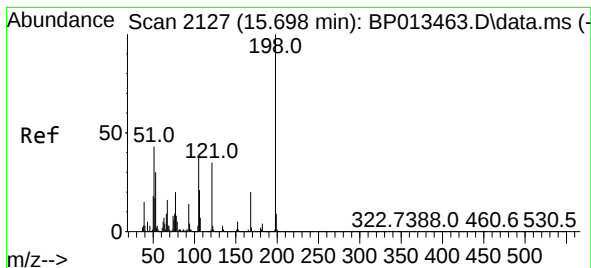
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:188 Resp: 3652131
Ion Ratio Lower Upper
188 100
94 8.5 7.1 10.7
80 9.7 7.9 11.9





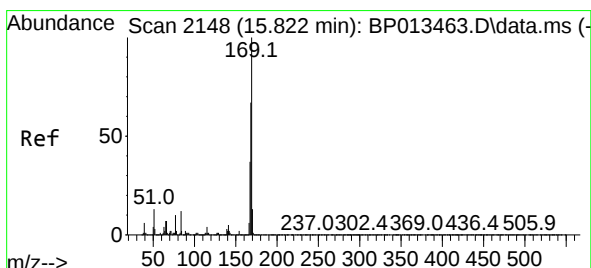
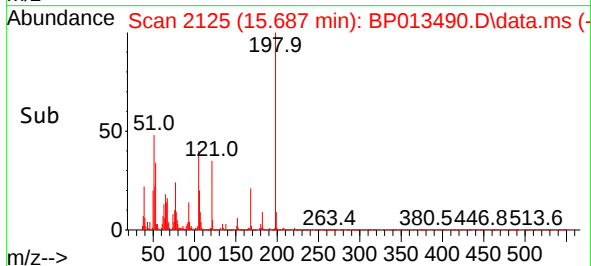
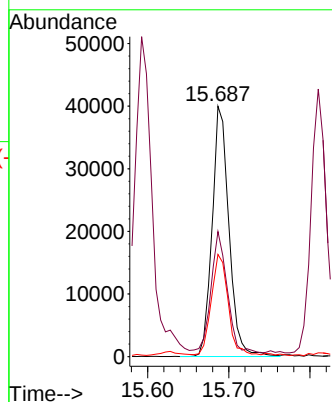
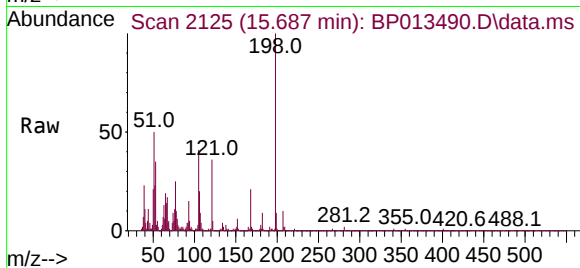
#65
4,6-Dinitro-2-methylphenol
Concen: 2.313 ng
RT: 15.687 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:198 Resp: 57762
Ion Ratio Lower Upper
198 100
51 50.0 23.6 63.6
105 40.8 17.9 57.9

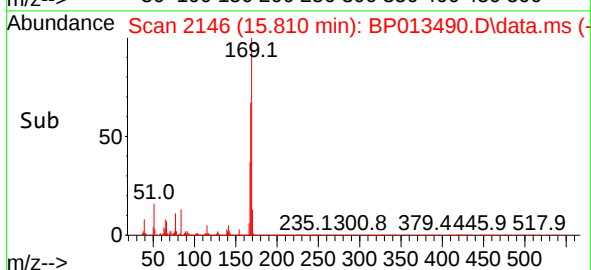
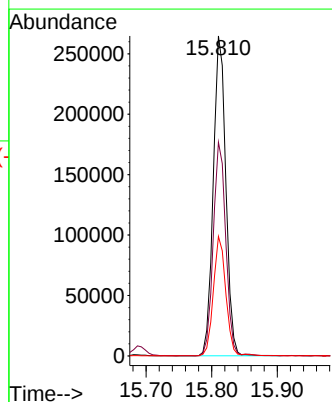
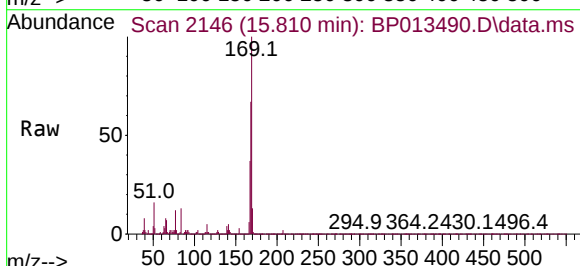
Manual Integrations
APPROVED

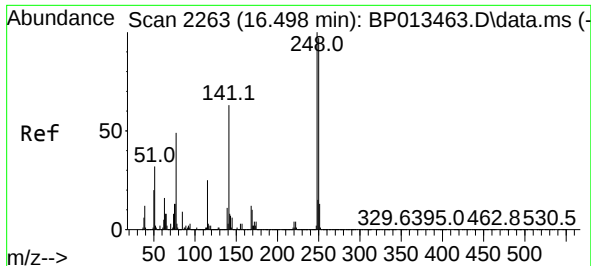
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#66
n-Nitrosodiphenylamine
Concen: 3.290 ng
RT: 15.810 min Scan# 2146
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

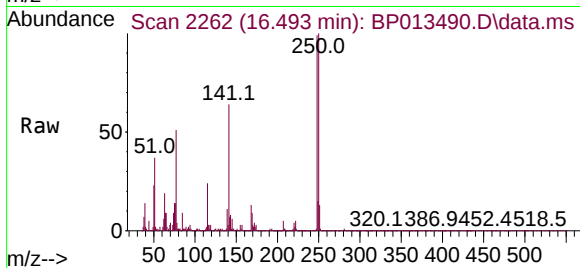
Tgt Ion:169 Resp: 353034
Ion Ratio Lower Upper
169 100
168 66.8 53.3 79.9
167 37.3 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 3.256 ng
RT: 16.493 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

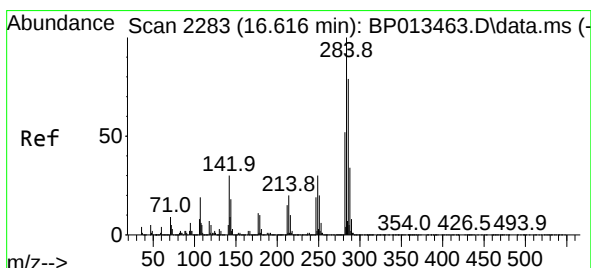
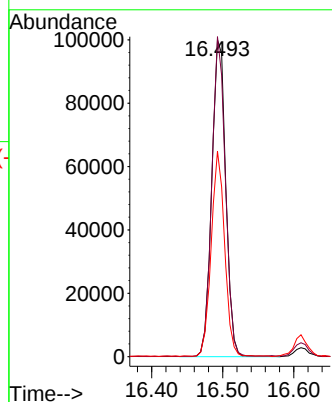
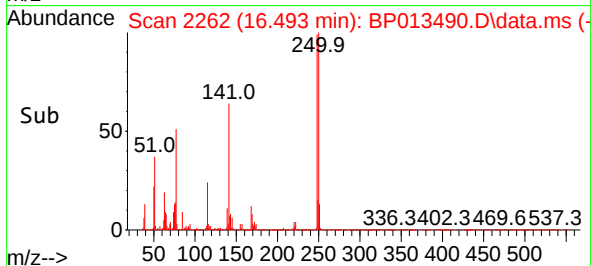
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:248 Resp: 136911
Ion Ratio Lower Upper
248 100
250 101.0 77.7 116.5
141 64.8 50.2 75.4

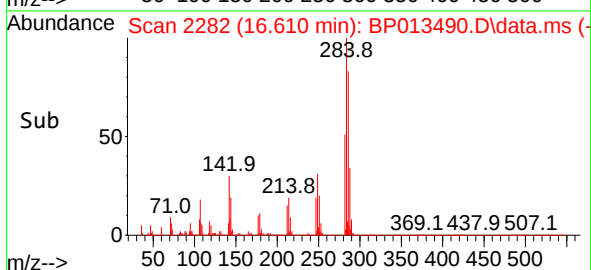
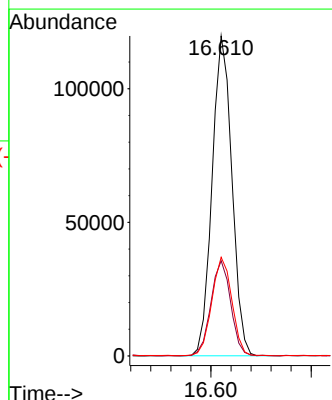
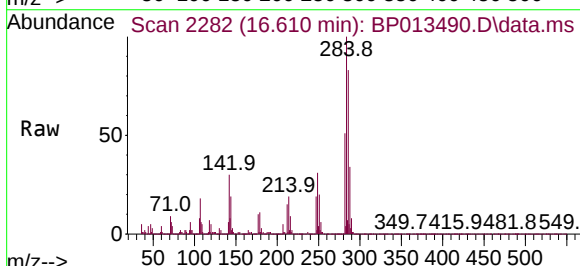
Manual Integrations
APPROVED

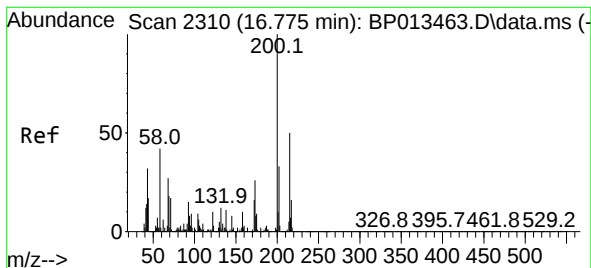
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#68
Hexachlorobenzene
Concen: 3.578 ng
RT: 16.610 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:284 Resp: 163812
Ion Ratio Lower Upper
284 100
142 29.7 23.9 35.9
249 30.8 24.1 36.1





#69

Atrazine

Concen: 3.356 ng

RT: 16.769 min Scan# 2310

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:200 Resp: 13188

Ion Ratio Lower Upper

200 100

173 25.6 5.9 45.9

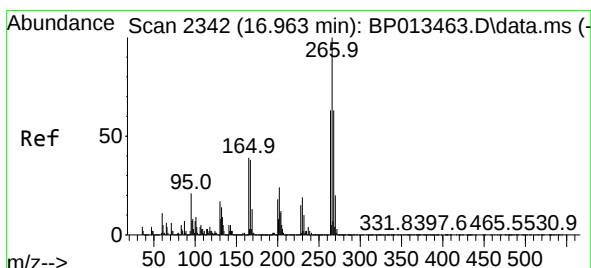
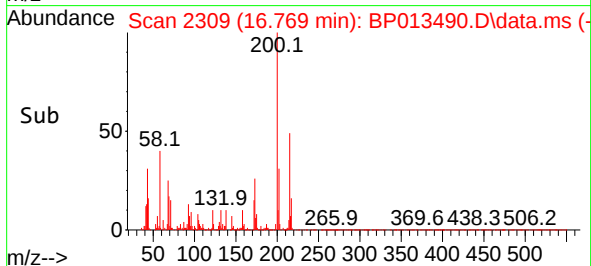
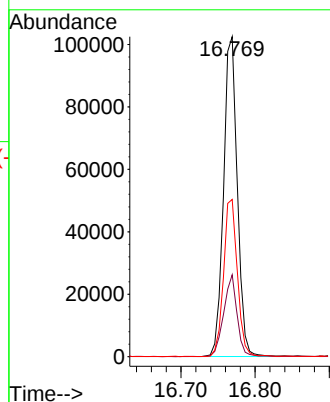
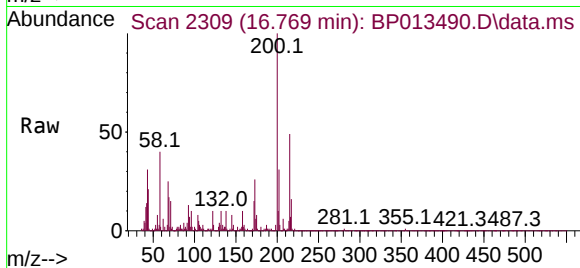
215 49.1 30.0 70.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#70

Pentachlorophenol

Concen: 2.474 ng

RT: 16.963 min Scan# 2342

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

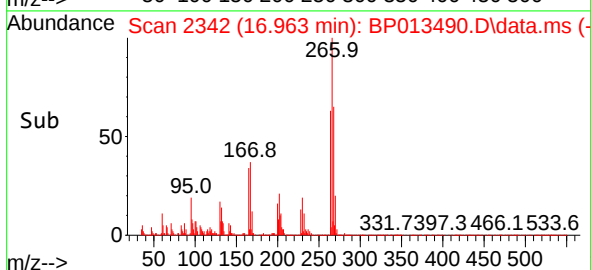
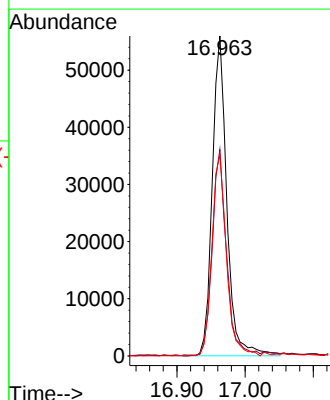
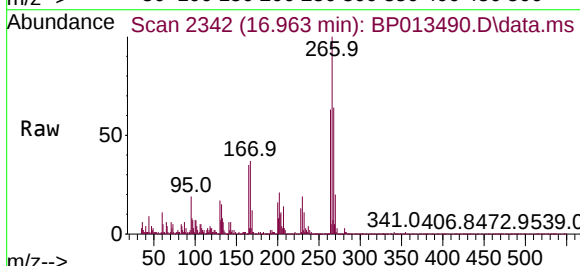
Tgt Ion:266 Resp: 83002

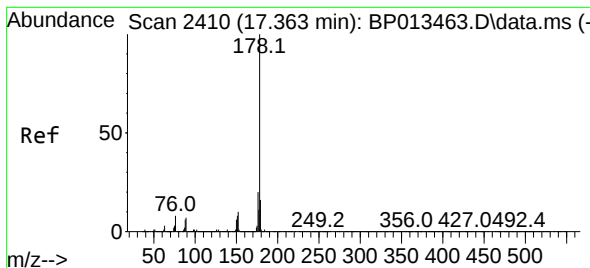
Ion Ratio Lower Upper

266 100

268 64.5 50.7 76.1

264 62.9 50.4 75.6





#71

Phenanthrene

Concen: 3.563 ng

RT: 17.357 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

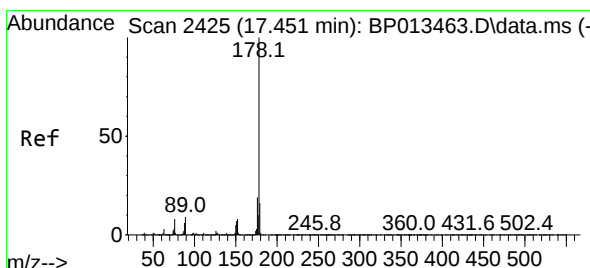
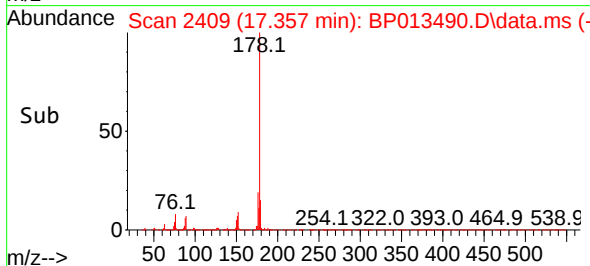
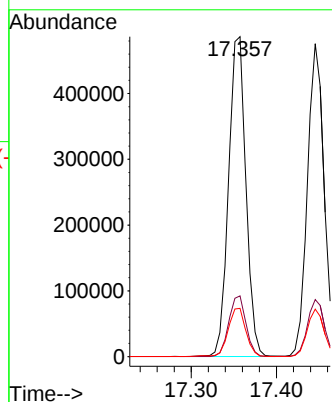
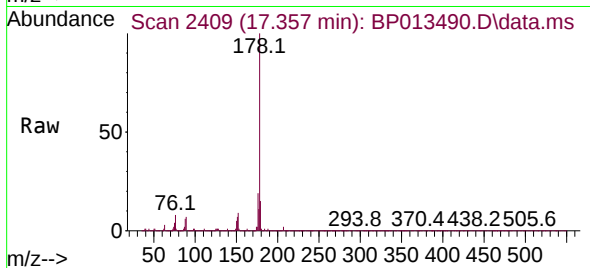
MDL-SOIL-03-QT2-2022

Tgt Ion:178 Resp: 686637
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.6
 179 15.1 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#72

Anthracene

Concen: 3.345 ng

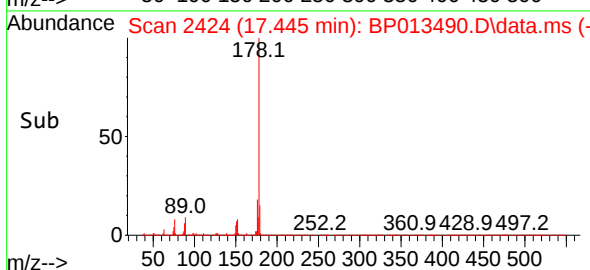
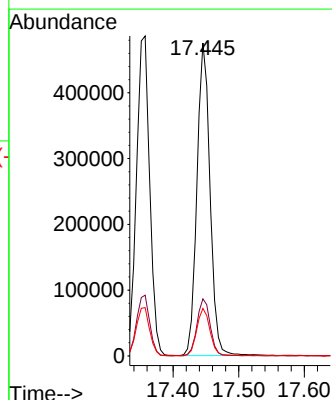
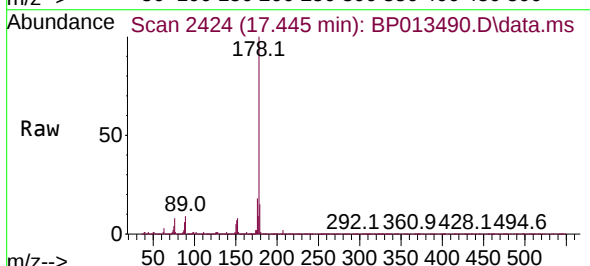
RT: 17.445 min Scan# 2424

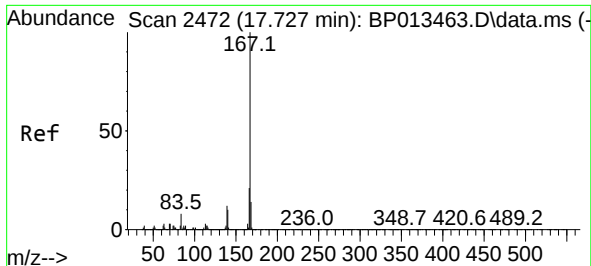
Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:178 Resp: 655941
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.2 22.8
 179 15.1 12.6 18.8





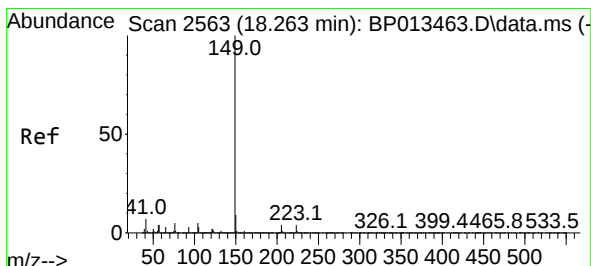
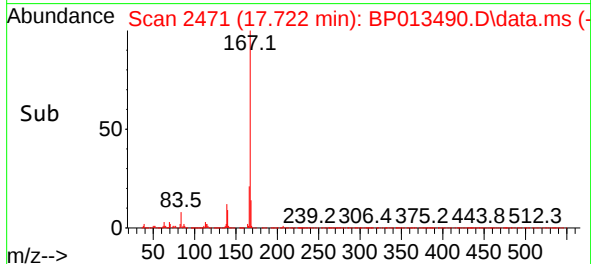
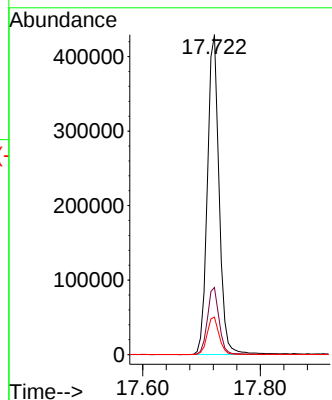
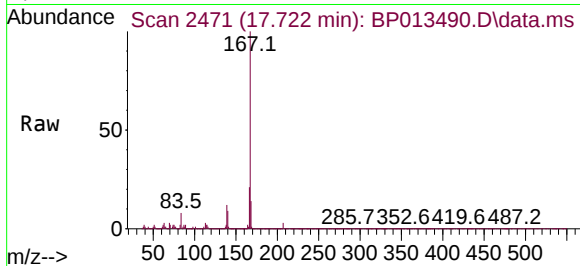
#73
 Carbazole
 Concen: 3.328 ng
 RT: 17.722 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BP013490.D
 Acq: 17 Jan 2023 11:21

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2022

Tgt Ion:167 Resp: 594288
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 11.7 9.9 14.9

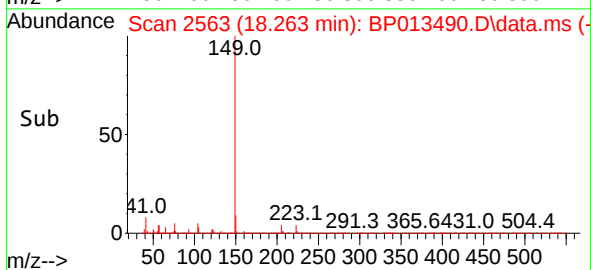
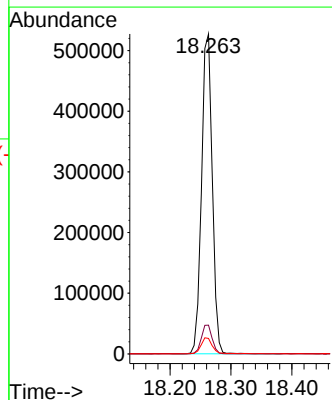
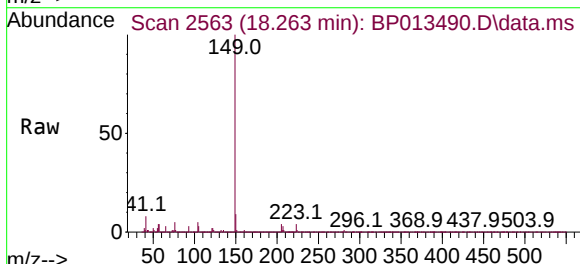
Manual Integrations
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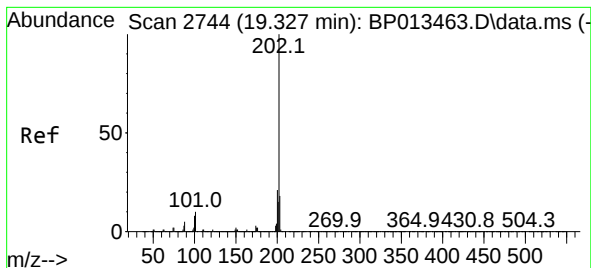
Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#74
 Di-n-butylphthalate
 Concen: 3.095 ng
 RT: 18.263 min Scan# 2563
 Delta R.T. 0.000 min
 Lab File: BP013490.D
 Acq: 17 Jan 2023 11:21

Tgt Ion:149 Resp: 641494
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.5 11.3
 104 4.8 3.9 5.9





#75

Fluoranthene

Concen: 3.481 ng

RT: 19.322 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

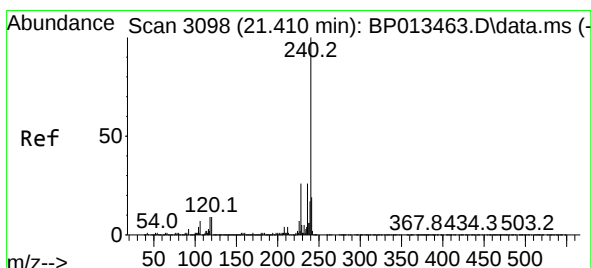
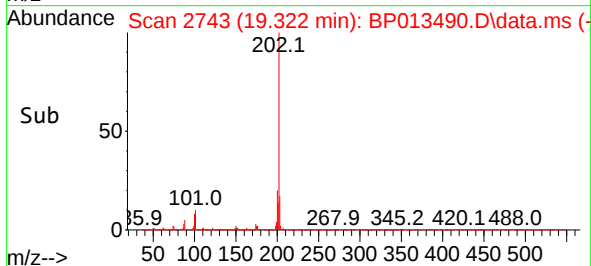
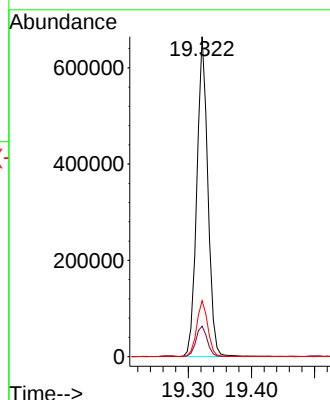
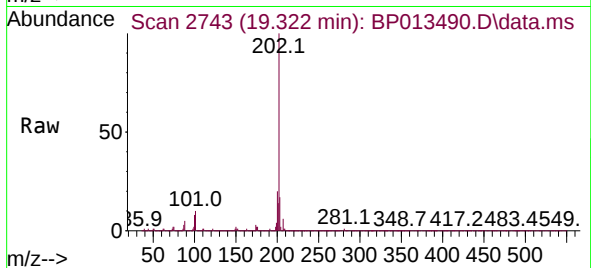
Tgt Ion:	202	Resp:	805716
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	30.3
203	17.5	0.0	37.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#76

Chrysene-d12

Concen: 20.000 ng

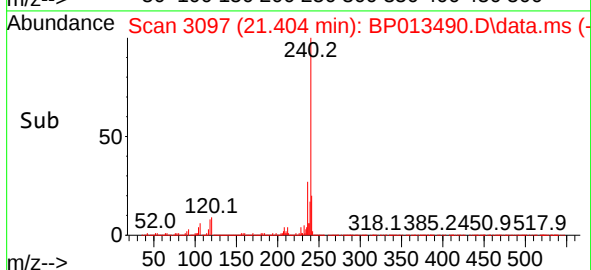
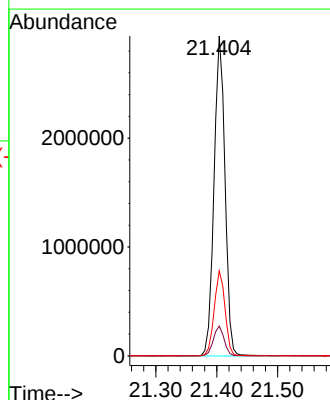
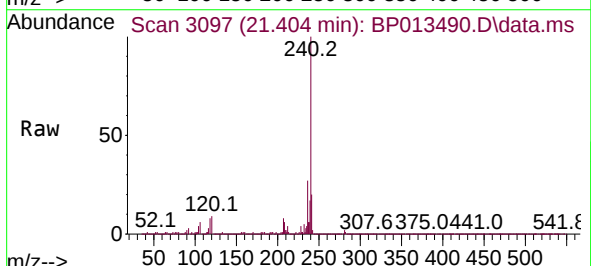
RT: 21.404 min Scan# 3097

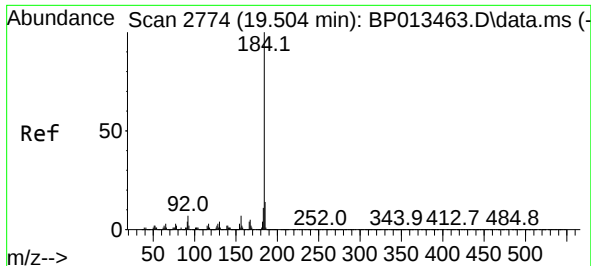
Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

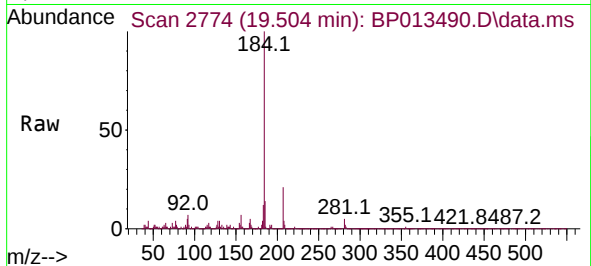
Tgt Ion:	240	Resp:	3674459
Ion Ratio	Lower	Upper	
240	100		
120	9.3	7.4	11.0
236	26.6	21.2	31.8





#77
Benzidine
Concen: 3.147 ng
RT: 19.504 min Scan# 2774
Delta R.T. 0.000 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

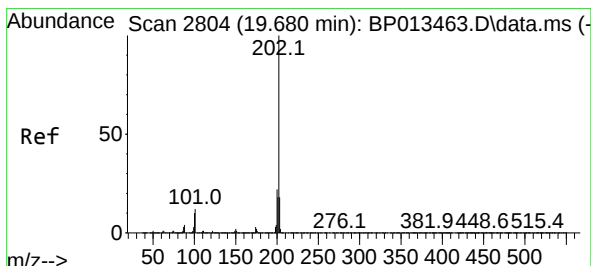
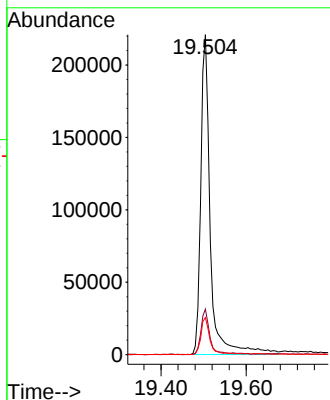
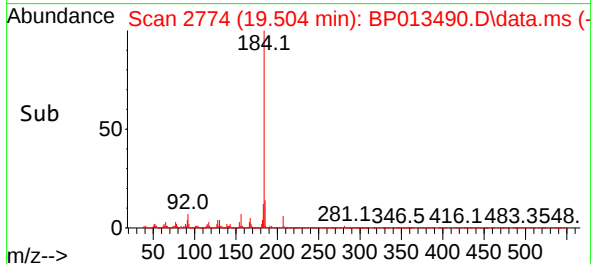
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



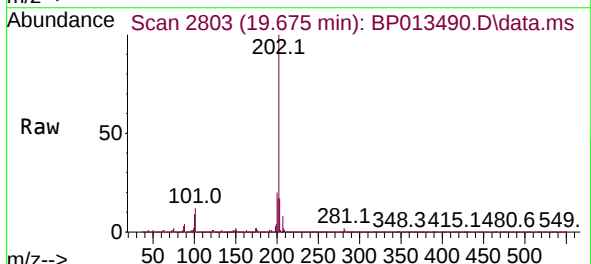
Tgt Ion:184 Resp: 343631
Ion Ratio Lower Upper
184 100
185 14.2 11.3 16.9
183 11.6 9.1 13.7

Manual Integrations
APPROVED

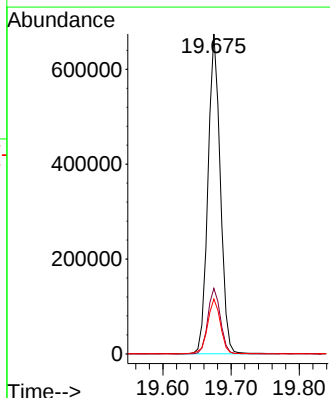
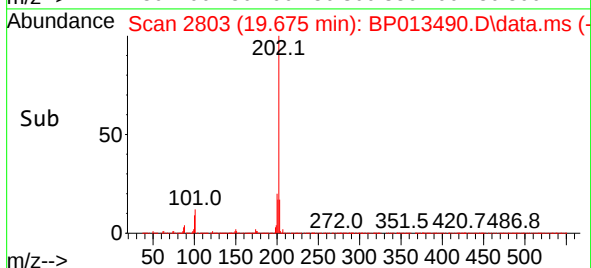
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

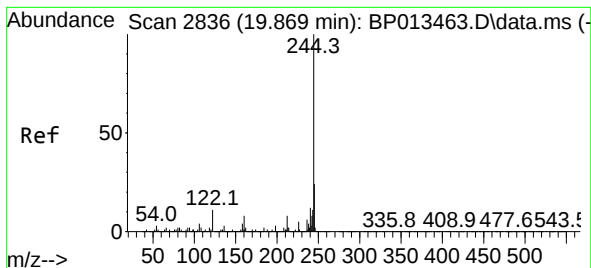


#78
Pyrene
Concen: 3.493 ng
RT: 19.675 min Scan# 2803
Delta R.T. -0.006 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21



Tgt Ion:202 Resp: 844239
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.1 14.6 21.8





#79

Terphenyl-d14

Concen: 65.269 ng

RT: 19.869 min Scan# 2836

Delta R.T. -0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:244 Resp:1173074

Ion Ratio Lower Upper

244 100

212 8.8 6.8 10.2

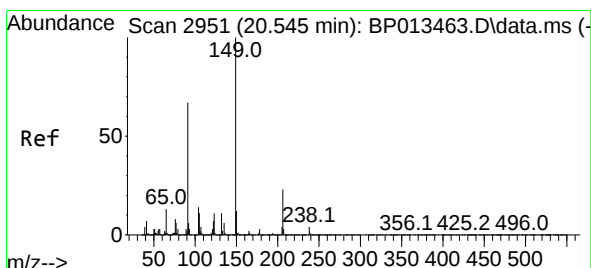
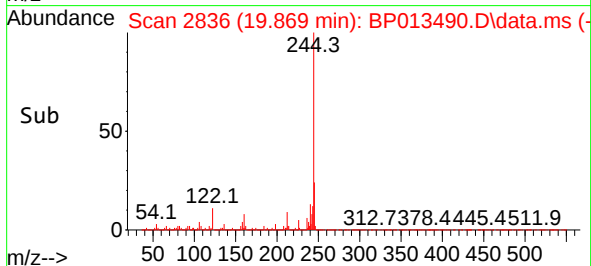
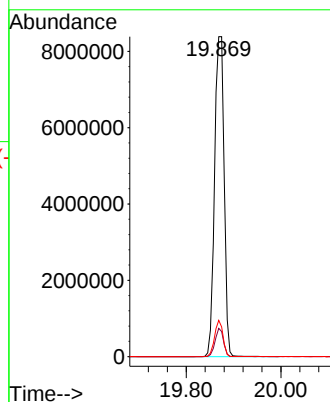
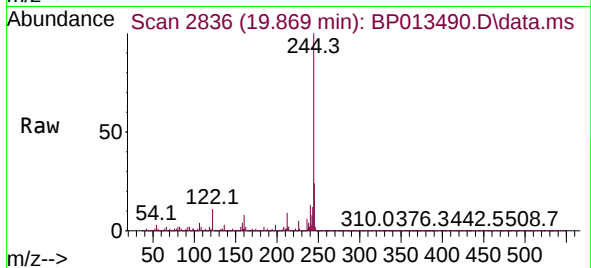
122 11.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#80

Butylbenzylphthalate

Concen: 2.728 ng

RT: 20.545 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

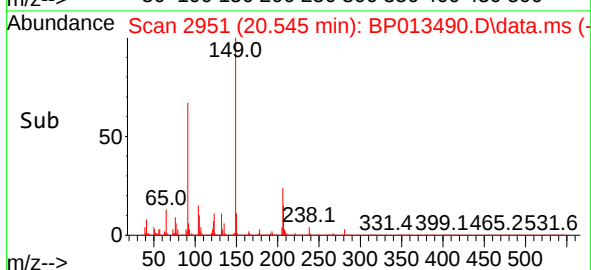
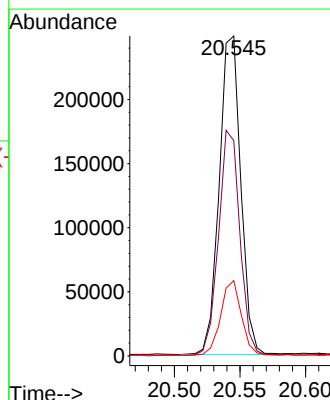
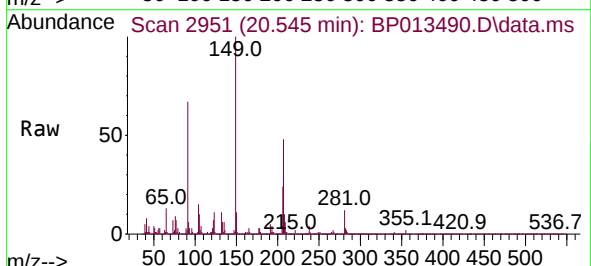
Tgt Ion:149 Resp: 284967

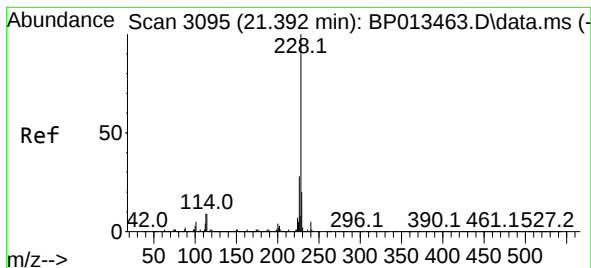
Ion Ratio Lower Upper

149 100

91 67.3 53.2 79.8

206 23.5 18.8 28.2





#81

Benzo(a)anthracene

Concen: 3.548 ng

RT: 21.386 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

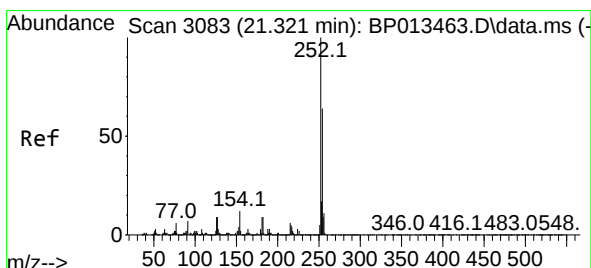
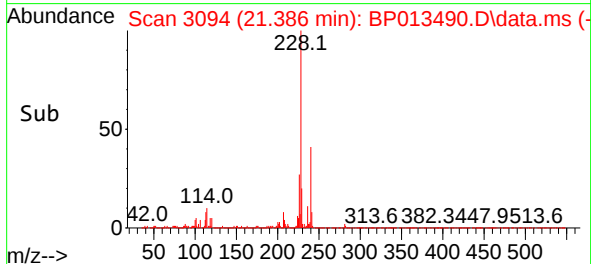
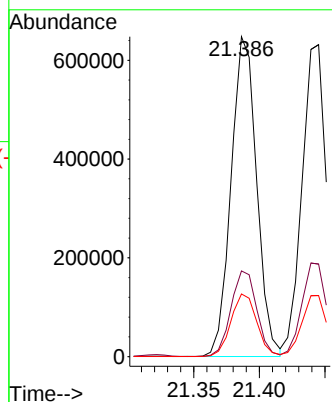
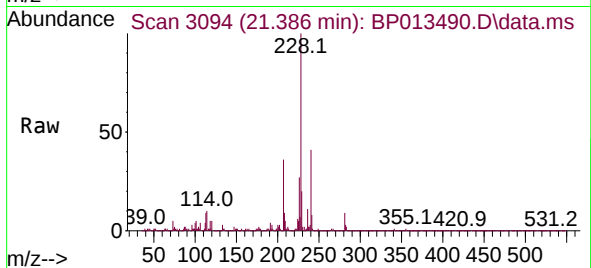
ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:228 Resp: 877945
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.6 34.0
 229 19.6 16.4 24.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#82

3,3'-Dichlorobenzidine

Concen: 3.311 ng

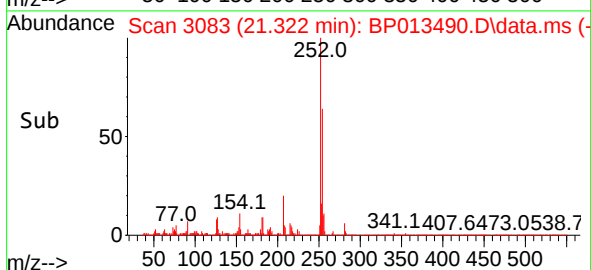
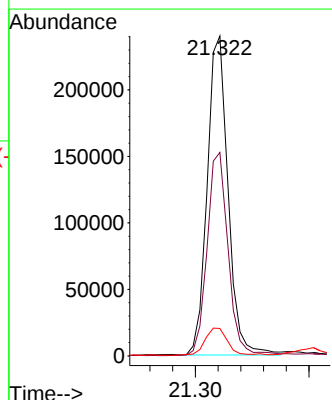
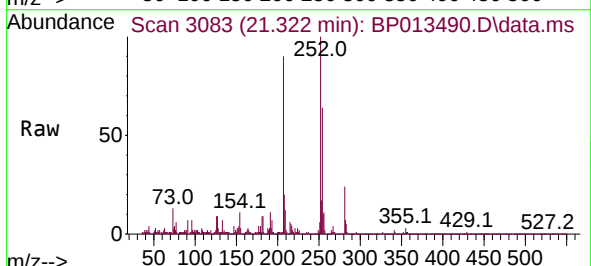
RT: 21.322 min Scan# 3083

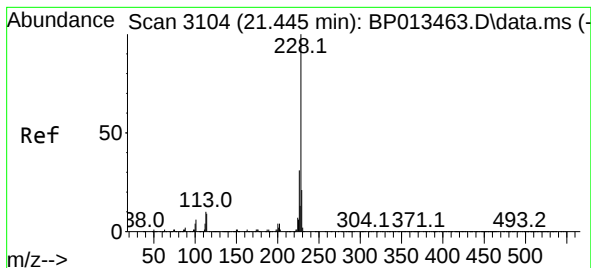
Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:252 Resp: 306114
 Ion Ratio Lower Upper
 252 100
 254 63.6 51.0 76.6
 126 8.6 7.6 11.4





#83

Chrysene

Concen: 3.546 ng

RT: 21.445 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

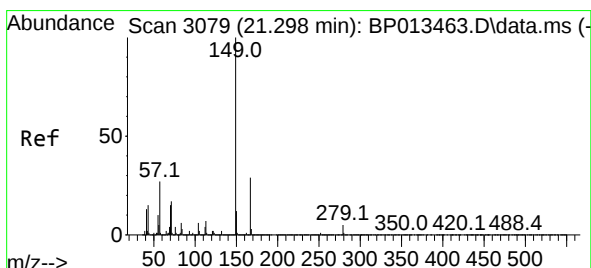
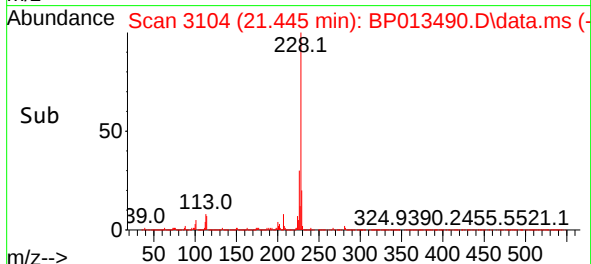
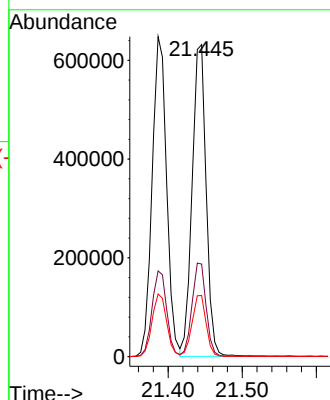
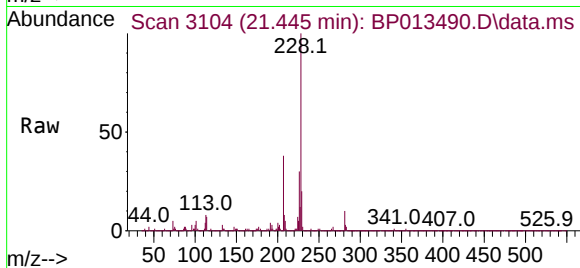
MDL-SOIL-03-QT2-2022

Tgt Ion:	228	Resp:	829045
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.1	37.7
229	19.6	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.829 ng

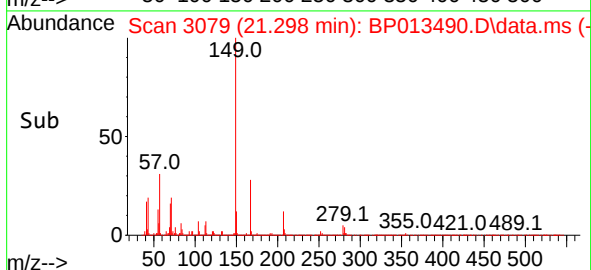
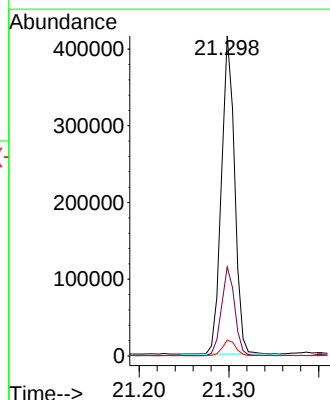
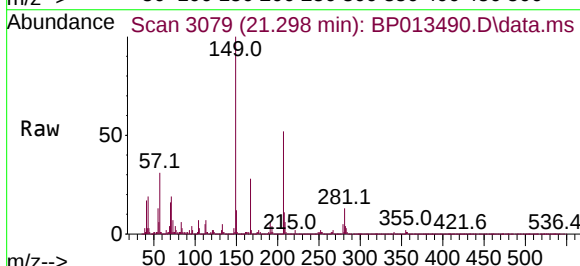
RT: 21.298 min Scan# 3079

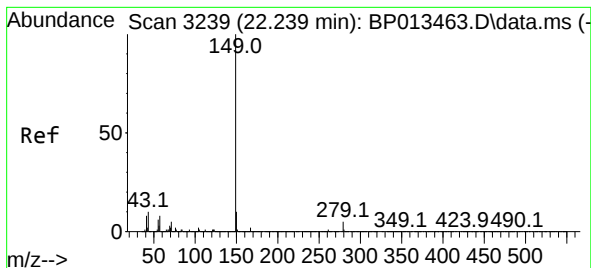
Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:	149	Resp:	427673
Ion Ratio	Lower	Upper	
149	100		
167	27.8	23.0	34.4
279	4.9	3.9	5.9





#85

Di-n-octyl phthalate

Concen: 2.745 ng

RT: 22.239 min Scan# 3239

Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

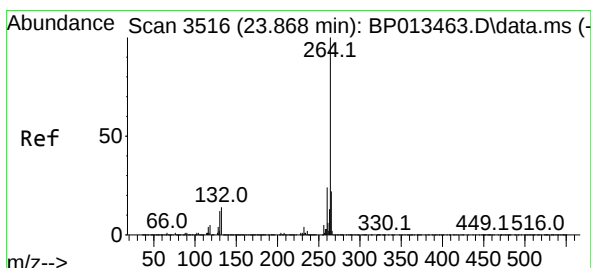
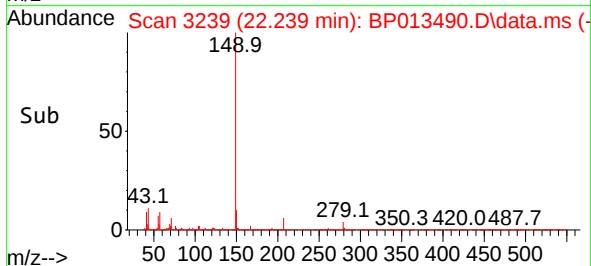
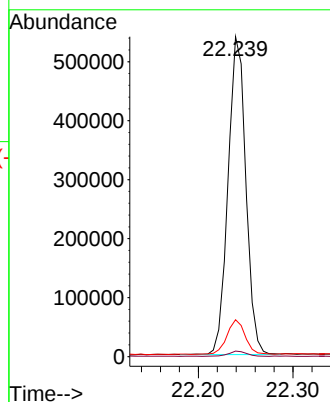
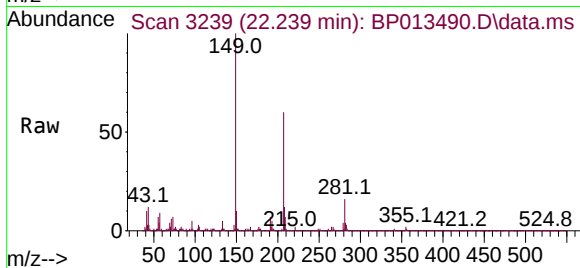
MDL-SOIL-03-QT2-2022

Tgt Ion:	149	Resp:	704515
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	11.3	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#86

Perylene-d12

Concen: 20.000 ng

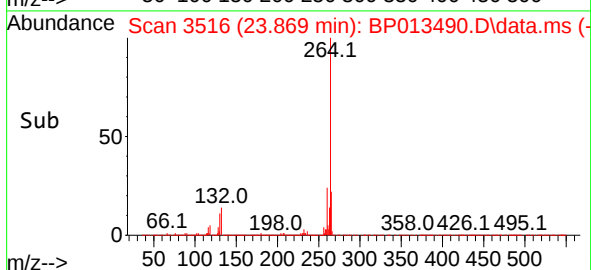
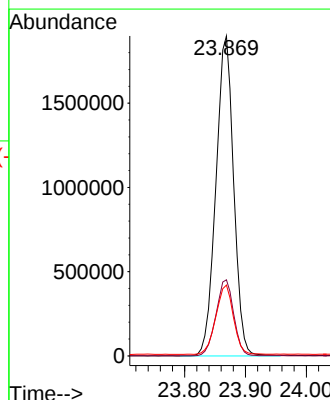
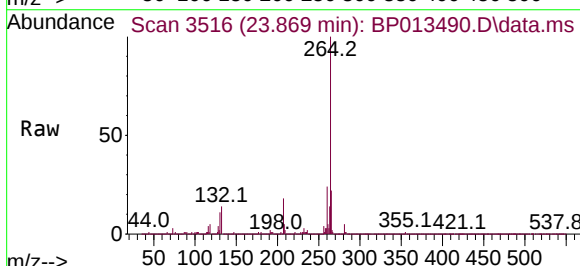
RT: 23.869 min Scan# 3516

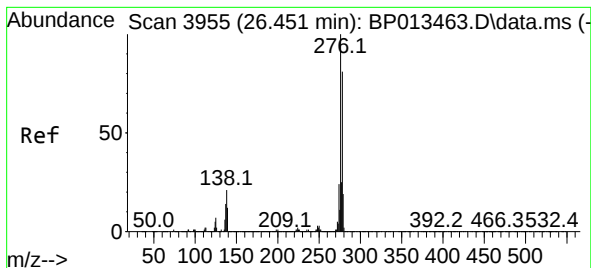
Delta R.T. 0.000 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:	264	Resp:	3844707
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	22.1	18.1	27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.888 ng

RT: 26.427 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

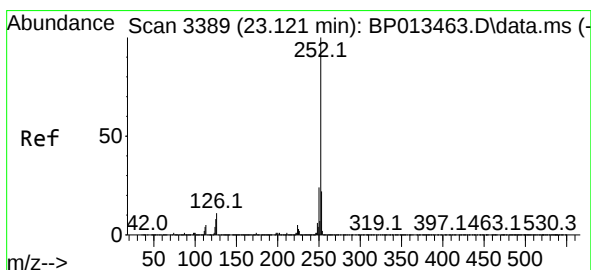
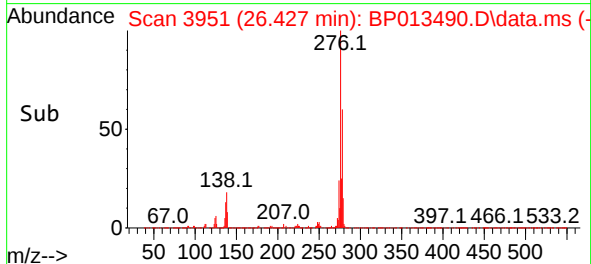
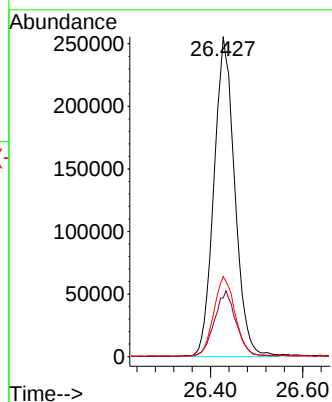
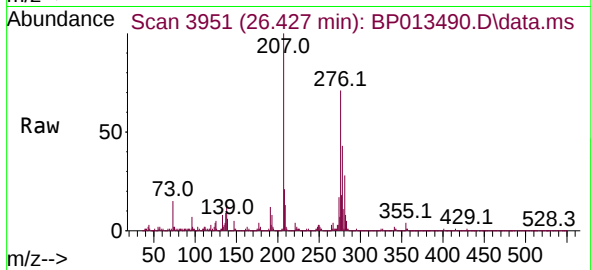
Tgt Ion:	276	Resp:	802904
Ion Ratio	Lower	Upper	
276	100		
138	21.3	17.0	25.4
277	25.7	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#88

Benzo(b)fluoranthene

Concen: 3.733 ng

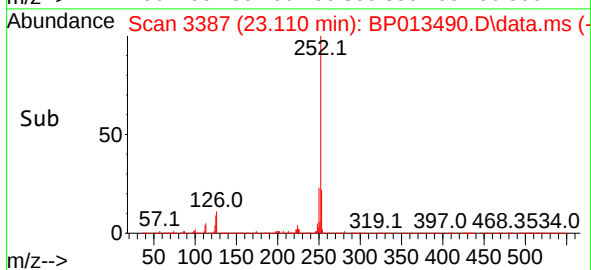
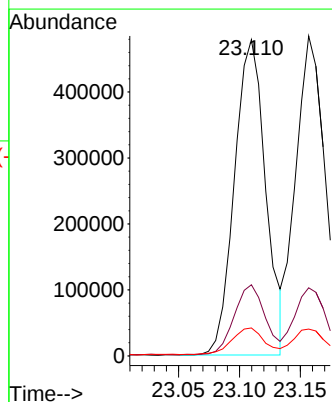
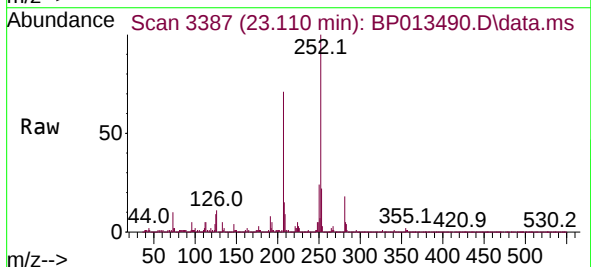
RT: 23.110 min Scan# 3387

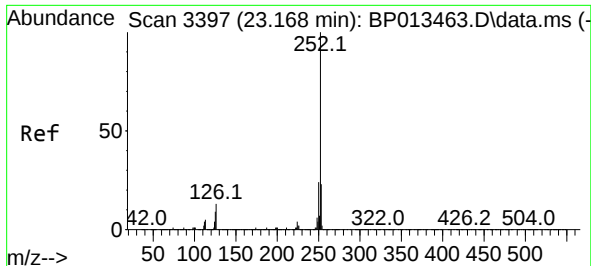
Delta R.T. -0.012 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:	252	Resp:	852147
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.6
125	8.8	6.7	10.1





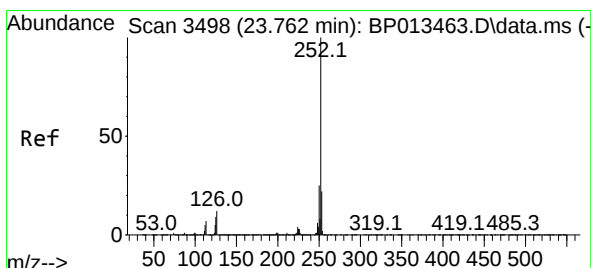
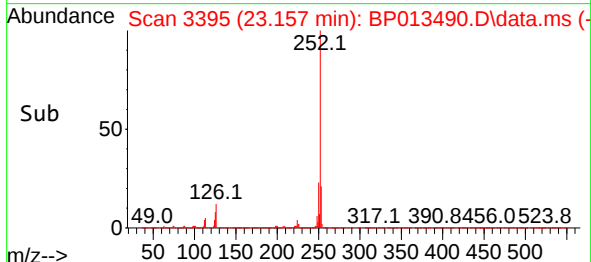
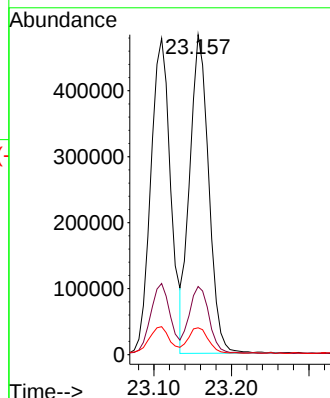
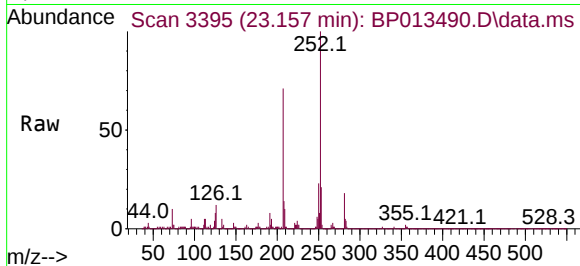
#89
Benzo(k)fluoranthene
Concen: 3.710 ng
RT: 23.157 min Scan# 3397
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:252 Resp: 822017
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 8.4 6.9 10.3

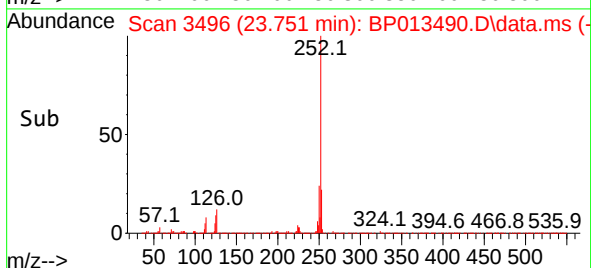
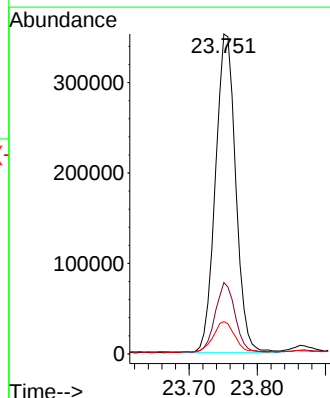
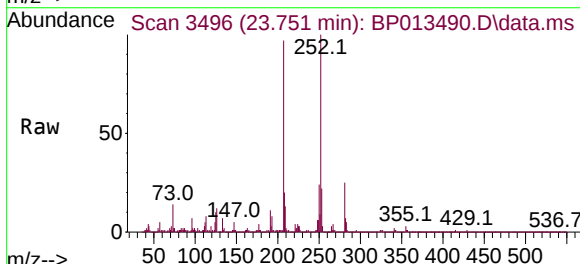
Manual Integrations
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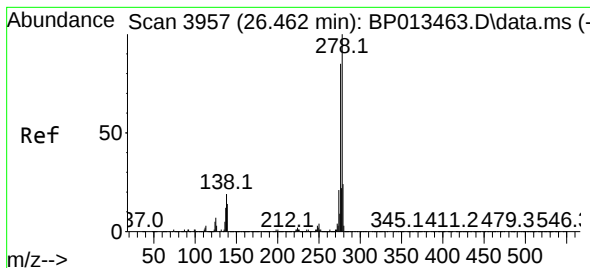
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#90
Benzo(a)pyrene
Concen: 3.238 ng
RT: 23.751 min Scan# 3496
Delta R.T. -0.012 min
Lab File: BP013490.D
Acq: 17 Jan 2023 11:21

Tgt Ion:252 Resp: 726116
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 10.1 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 2.983 ng

RT: 26.445 min Scan# 3954

Delta R.T. -0.017 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Instrument :

BNA_P

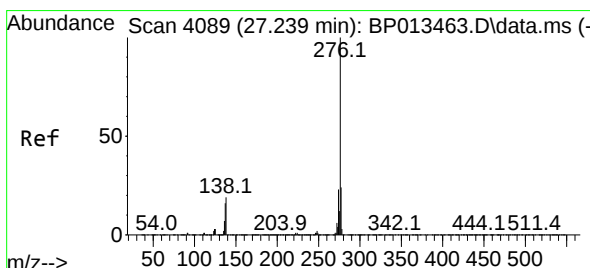
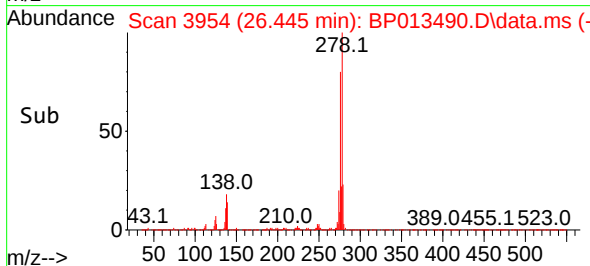
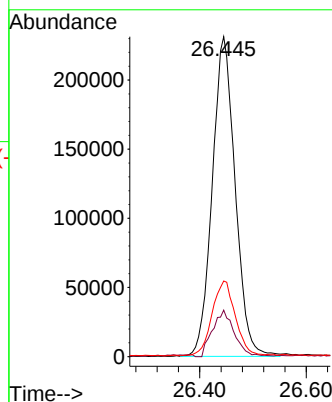
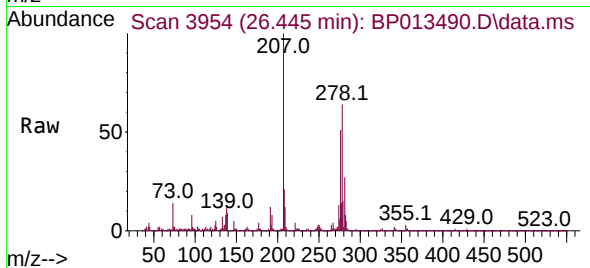
ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:	278	Resp:	690682
Ion Ratio	Lower	Upper	
278	100		
139	14.5	11.1	16.7
279	23.6	19.2	28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#92

Benzo(g,h,i)perylene

Concen: 3.000 ng

RT: 27.221 min Scan# 4086

Delta R.T. -0.017 min

Lab File: BP013490.D

Acq: 17 Jan 2023 11:21

Tgt Ion:	276	Resp:	685372
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.3	28.9
138	18.6	15.3	22.9

