

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011723\
 Data File : BP013491.D
 Acq On : 17 Jan 2023 11:55
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jan 18 03:12:21 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	7.904	152	600353	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	2475932	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1698071	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	3905537	20.000	ng	0.00
76) Chrysene-d12	21.404	240	3881013	20.000	ng	0.00
86) Perylene-d12	23.862	264	4054930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	3310116	96.853	ng	0.00
7) Phenol-d6	7.069	99	4547651	94.135	ng	0.00
23) Nitrobenzene-d5	9.075	82	3340319	71.676	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	2618682	98.795	ng	-0.01
45) 2-Fluorobiphenyl	13.175	172	8394656	72.268	ng	0.00
79) Terphenyl-d14	19.869	244	12291197	64.747	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.328	88	105428	7.867	ng	98
3) Pyridine	3.752	79	283327	6.781	ng	99
4) n-Nitrosodimethylamine	3.652	42	153436	7.658	ng	96
6) Aniline	7.228	93	467062	7.235	ng	98
8) 2-Chlorophenol	7.463	128	295571	7.473	ng	98
9) Benzaldehyde	7.040	77	257353m	8.825	ng	
10) Phenol	7.093	94	374991	7.520	ng	96
11) bis(2-Chloroethyl)ether	7.322	93	302803	7.491	ng	98
12) 1,3-Dichlorobenzene	7.787	146	334948	8.038	ng	97
13) 1,4-Dichlorobenzene	7.940	146	344586	8.114	ng	96
14) 1,2-Dichlorobenzene	8.257	146	331808	7.997	ng	97
15) Benzyl Alcohol	8.146	79	260172	6.989	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.434	45	491779	7.864	ng	99
17) 2-Methylphenol	8.346	107	250447	6.785	ng	98
18) Hexachloroethane	8.981	117	119442	7.942	ng	97
19) n-Nitroso-di-n-propyla...	8.710	70	252177	7.313	ng	97
20) 3+4-Methylphenols	8.675	107	336948	6.570	ng	98
22) Acetophenone	8.734	105	489900	7.726	ng	# 98
24) Nitrobenzene	9.116	77	370879	7.694	ng	98
25) Isophorone	9.640	82	690499	7.198	ng	99
26) 2-Nitrophenol	9.828	139	165731	6.955	ng	98
27) 2,4-Dimethylphenol	9.887	122	256830	6.547	ng	99
28) bis(2-Chloroethoxy)met...	10.122	93	424674	7.506	ng	99
29) 2,4-Dichlorophenol	10.363	162	297317	7.223	ng	99
30) 1,2,4-Trichlorobenzene	10.575	180	337870	7.756	ng	99
31) Naphthalene	10.763	128	1000840	7.644	ng	100
32) Benzoic acid	9.975	122	178514	5.456	ng	99
33) 4-Chloroaniline	10.881	127	411274	6.877	ng	99
34) Hexachlorobutadiene	11.046	225	218996	7.975	ng	99
35) Caprolactam	11.669	113	99568	6.788	ng	98
36) 4-Chloro-3-methylphenol	11.998	107	321608	7.170	ng	97
37) 2-Methylnaphthalene	12.375	142	712849	7.252	ng	98
38) 1-Methylnaphthalene	12.592	142	690607	7.448	ng	99
40) 1,2,4,5-Tetrachloroben...	12.740	216	426109	7.656	ng	99
41) Hexachlorocyclopentadiene	12.716	237	199379	6.870	ng	98
43) 2,4,6-Trichlorophenol	12.981	196	270743	7.075	ng	97

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :
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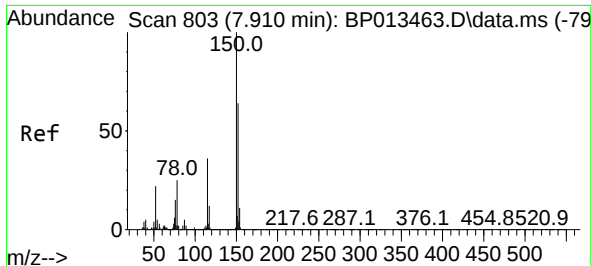
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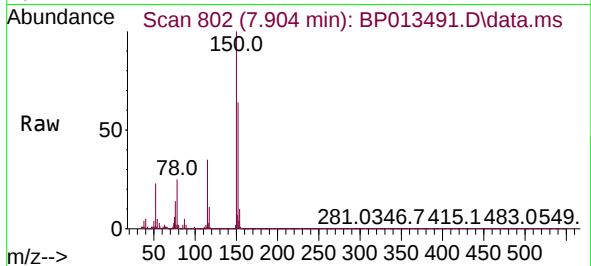
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.057	196	295821	6.588	ng	97
46) 1,1'-Biphenyl	13.381	154	1002842	7.811	ng	99
47) 2-Chloronaphthalene	13.428	162	763324	7.752	ng	98
48) 2-Nitroaniline	13.634	65	208759	6.441	ng	96
49) Acenaphthylene	14.269	152	1179234	7.262	ng	99
50) Dimethylphthalate	14.004	163	989568	7.349	ng	99
51) 2,6-Dinitrotoluene	14.128	165	204177	6.951	ng	94
52) Acenaphthene	14.616	154	720343	7.495	ng	98
53) 3-Nitroaniline	14.463	138	200944	6.394	ng	97
54) 2,4-Dinitrophenol	14.675	184	111942	5.609	ng	97
55) Dibenzofuran	14.945	168	1207887	7.580	ng	99
56) 4-Nitrophenol	14.769	139	164653	6.521	ng	93
57) 2,4-Dinitrotoluene	14.922	165	271537	6.760	ng	94
58) Fluorene	15.598	166	973861	7.745	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.175	232	270693	6.971	ng	99
60) Diethylphthalate	15.369	149	952693	7.230	ng	100
61) 4-Chlorophenyl-phenylether	15.592	204	520389	7.793	ng	98
62) 4-Nitroaniline	15.628	138	203360	6.321	ng	99
63) Azobenzene	15.886	77	884382	7.310	ng	98
65) 4,6-Dinitro-2-methylph...	15.686	198	159287	5.964	ng	92
66) n-Nitrosodiphenylamine	15.810	169	842979	7.345	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	326479	7.262	ng	98
68) Hexachlorobenzene	16.610	284	383641	7.836	ng	99
69) Atrazine	16.763	200	319104	7.592	ng	98
70) Pentachlorophenol	16.957	266	215777	6.013	ng	99
71) Phenanthrene	17.351	178	1586852	7.701	ng	99
72) Anthracene	17.445	178	1556122	7.421	ng	99
73) Carbazole	17.716	167	1428251	7.478	ng	100
74) Di-n-butylphthalate	18.257	149	1601113	7.223	ng	100
75) Fluoranthene	19.322	202	1905565	7.698	ng	99
77) Benzidine	19.498	184	939727	8.149	ng	100
78) Pyrene	19.674	202	1984010	7.773	ng	98
80) Butylbenzylphthalate	20.539	149	710477	6.439	ng	95
81) Benzo(a)anthracene	21.386	228	2037539	7.796	ng	98
82) 3,3'-Dichlorobenzidine	21.316	252	776418	7.951	ng	100
83) Chrysene	21.439	228	1898225	7.687	ng	98
84) Bis(2-ethylhexyl)phtha...	21.298	149	1054748	6.606	ng	99
85) Di-n-octyl phthalate	22.239	149	1712418	6.317	ng	98
87) Indeno(1,2,3-cd)pyrene	26.427	276	1865050	6.360	ng	100
88) Benzo(b)fluoranthene	23.110	252	1979928	8.224	ng	99
89) Benzo(k)fluoranthene	23.157	252	1894844	8.109	ng	98
90) Benzo(a)pyrene	23.751	252	1679216	7.100	ng	99
91) Dibenzo(a,h)anthracene	26.445	278	1623320	6.649	ng	100
92) Benzo(g,h,i)perylene	27.215	276	1567769	6.508	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

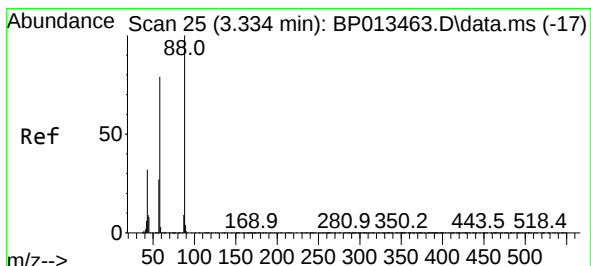
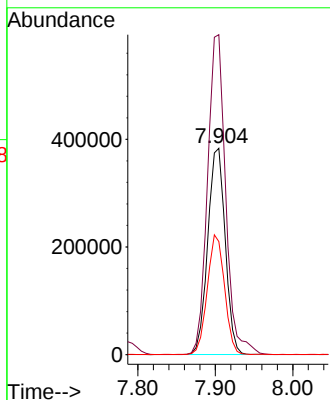
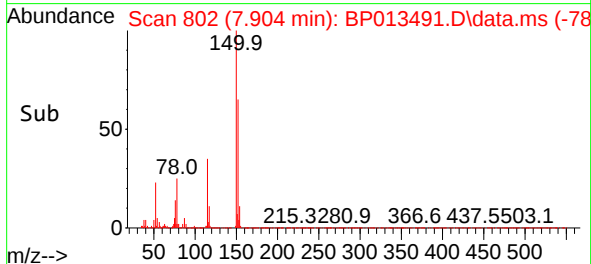
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 600353
Ion Ratio Lower Upper
152 100
150 155.2 125.7 188.5
115 54.8 45.8 68.8

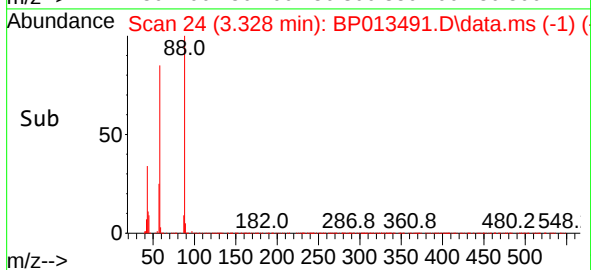
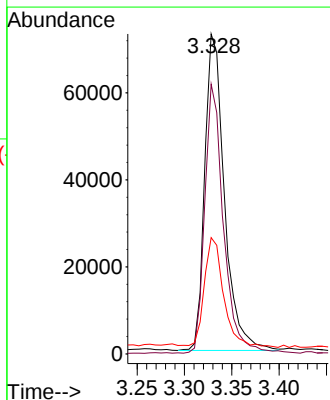
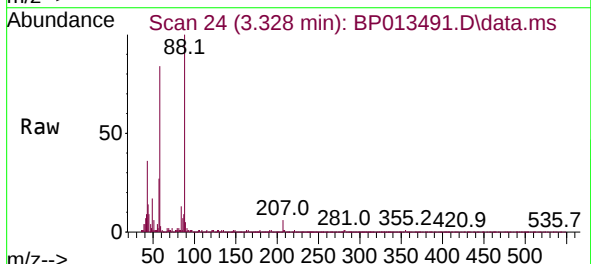
Manual Integrations
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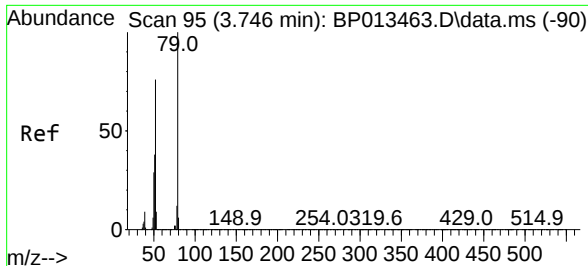
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#2
1,4-Dioxane
Concen: 7.867 ng
RT: 3.328 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

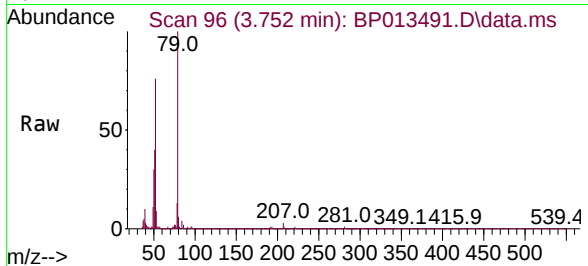
Tgt Ion: 88 Resp: 105428
Ion Ratio Lower Upper
88 100
58 80.8 63.4 95.0
43 34.3 26.2 39.4





#3
Pyridine
Concen: 6.781 ng
RT: 3.752 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

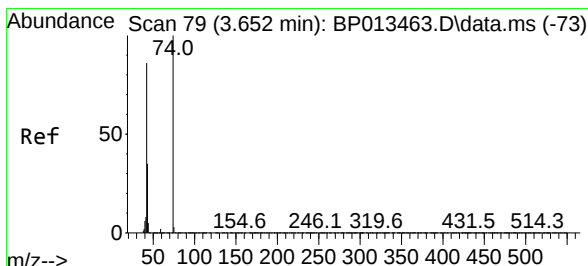
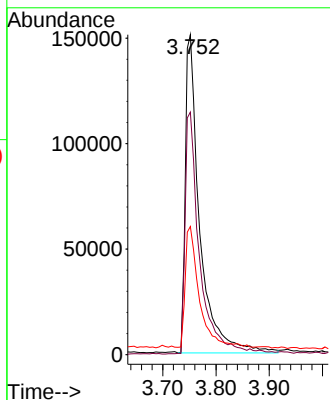
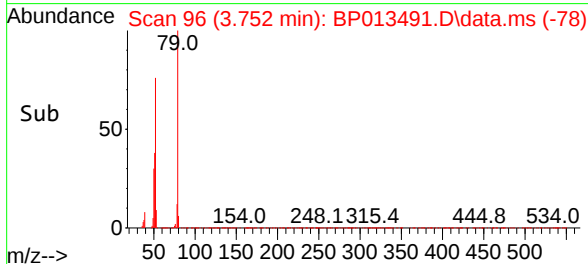
Instrument :
BNA_P
Client Sample Id :
MDL-SOIL-03-QT2-2022



Tgt Ion: 79 Resp: 28332
Ion Ratio Lower Upper
79 100
52 75.8 60.6 91.0
51 40.0 31.0 46.4

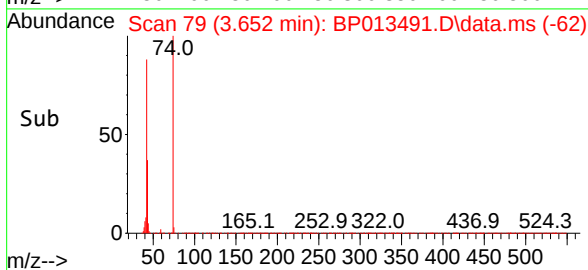
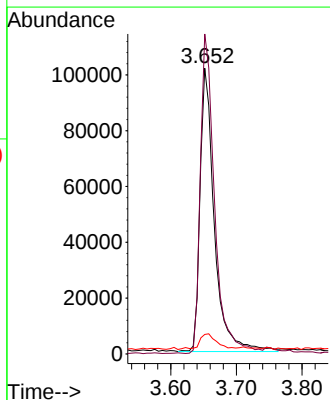
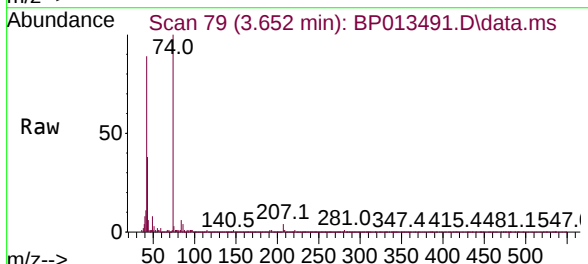
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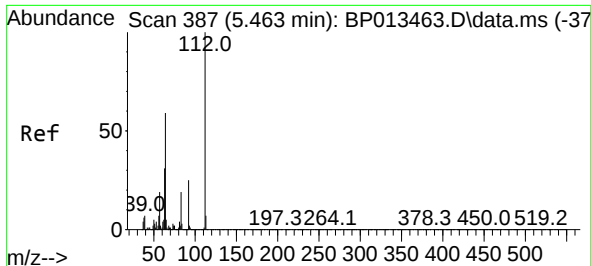
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#4
n-Nitrosodimethylamine
Concen: 7.658 ng
RT: 3.652 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion: 42 Resp: 153436
Ion Ratio Lower Upper
42 100
74 112.0 93.3 139.9
44 6.8 5.1 7.7





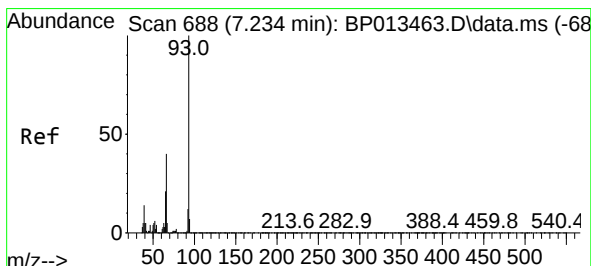
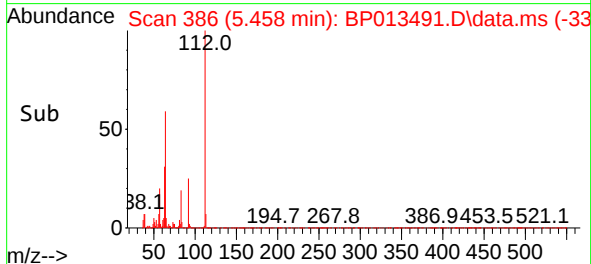
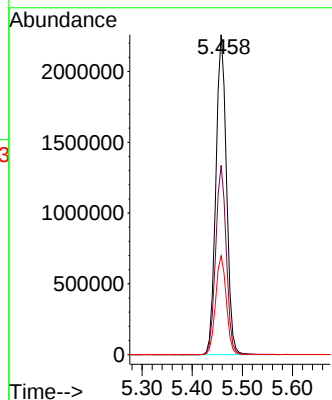
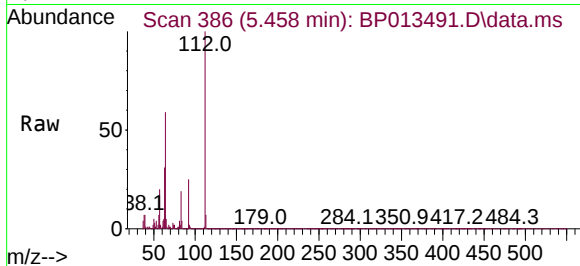
#5
2-Fluorophenol
Concen: 96.853 ng
RT: 5.458 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

Tgt Ion:112 Resp: 3310116
Ion Ratio Lower Upper
112 100
64 59.1 47.5 71.3
63 30.9 25.0 37.4

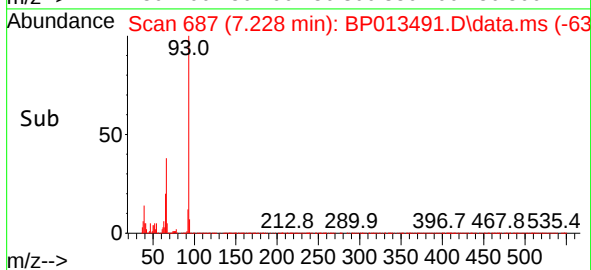
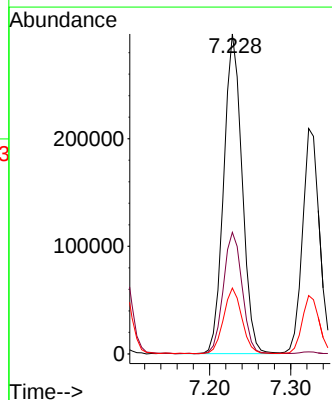
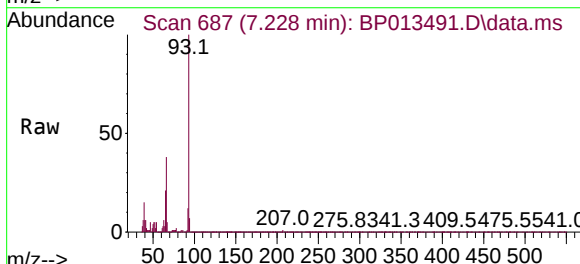
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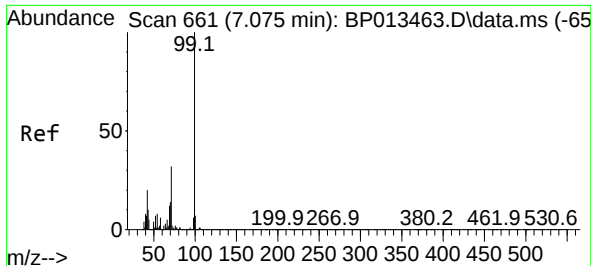
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#6
Aniline
Concen: 7.235 ng
RT: 7.228 min Scan# 687
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

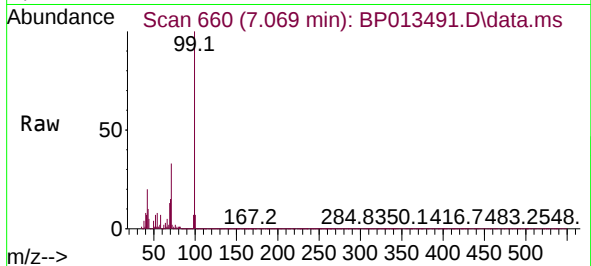
Tgt Ion: 93 Resp: 467062
Ion Ratio Lower Upper
93 100
66 38.0 31.9 47.9
65 20.6 16.6 25.0





#7
Phenol-d6
Concen: 94.135 ng
RT: 7.069 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

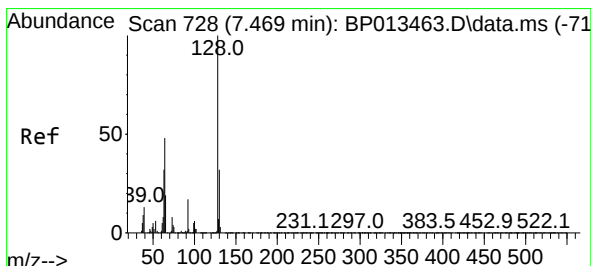
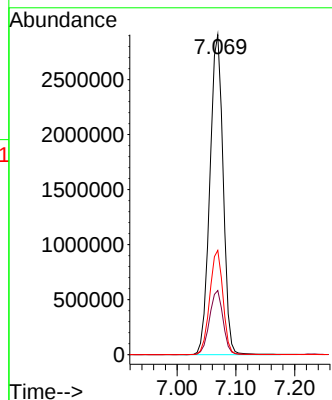
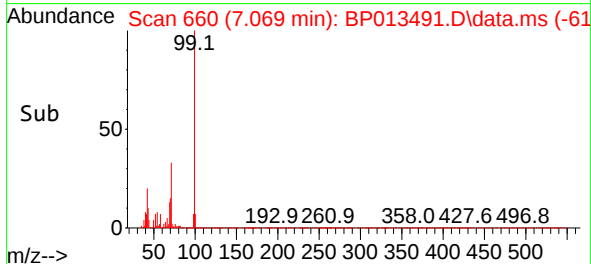
Instrument :
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Tgt Ion: 99 Resp: 454765
Ion Ratio Lower Upper
99 100
42 20.0 15.8 23.6
71 32.6 25.6 38.4

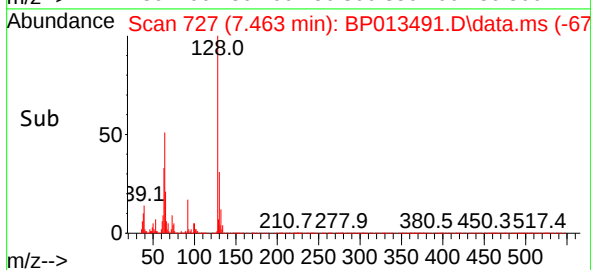
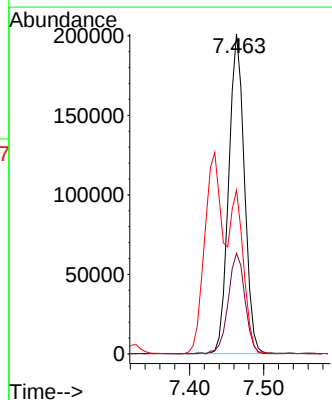
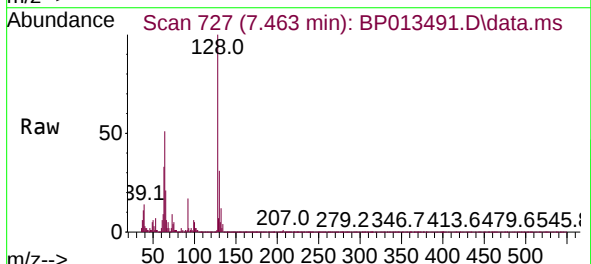
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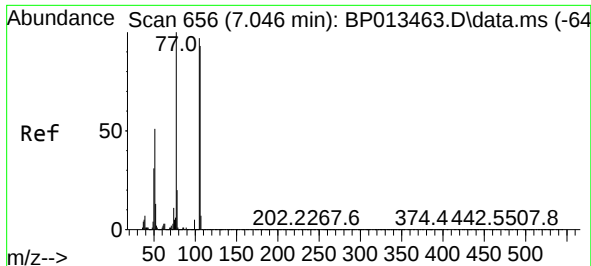
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#8
2-Chlorophenol
Concen: 7.473 ng
RT: 7.463 min Scan# 727
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

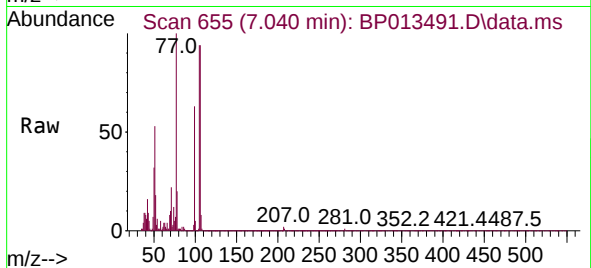
Tgt Ion:128 Resp: 295571
Ion Ratio Lower Upper
128 100
130 31.4 11.7 51.7
64 51.2 28.6 68.6





#9
Benzaldehyde
Concen: 8.825 ng m
RT: 7.040 min Scan# 656
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

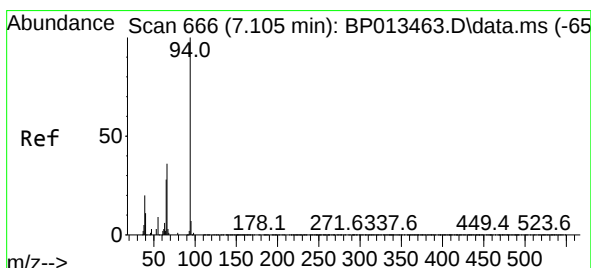
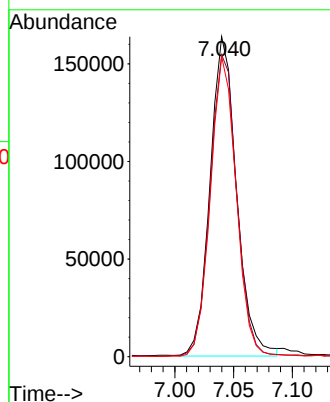
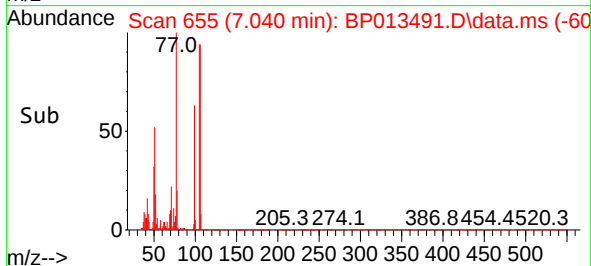
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 77 Resp: 25735
Ion Ratio Lower Upper
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105 94.3 77.3 117.3
106 93.8 73.1 113.1

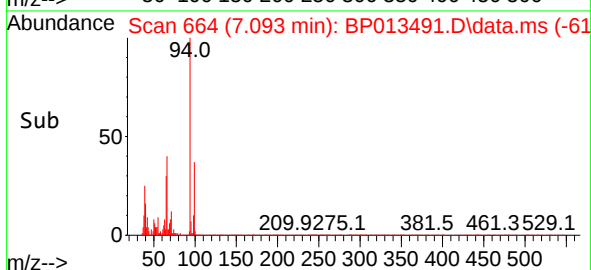
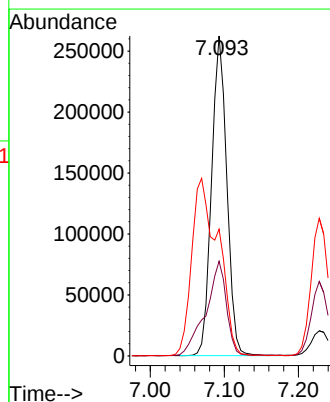
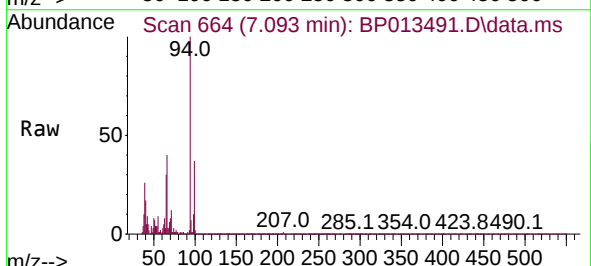
Manual Integrations
APPROVED

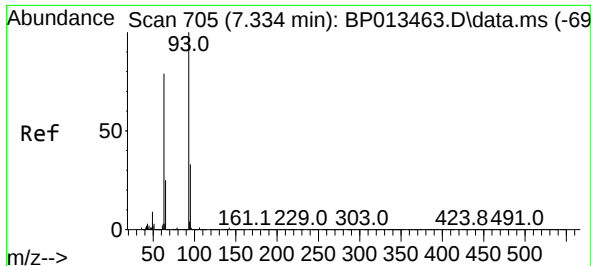
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#10
Phenol
Concen: 7.520 ng
RT: 7.093 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

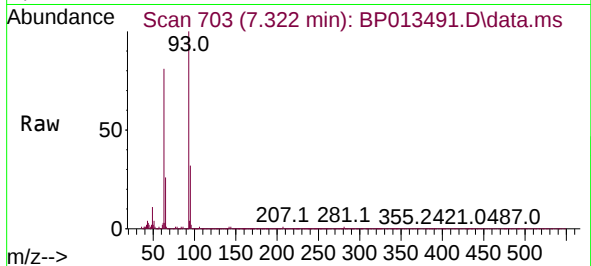
Tgt Ion: 94 Resp: 374991
Ion Ratio Lower Upper
94 100
65 29.6 8.3 48.3
66 39.6 16.6 56.6





#11
bis(2-Chloroethyl)ether
Concen: 7.491 ng
RT: 7.322 min Scan# 705
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

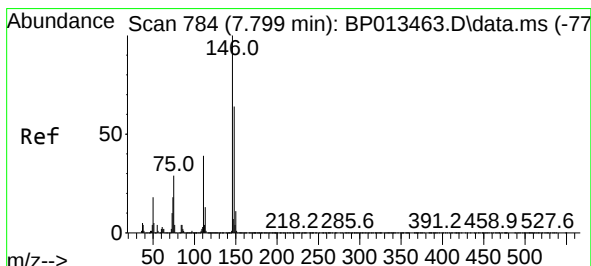
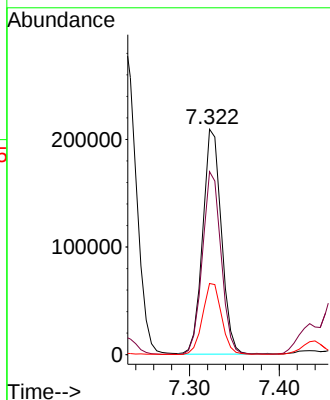
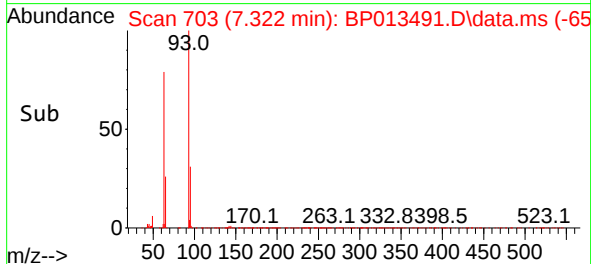
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



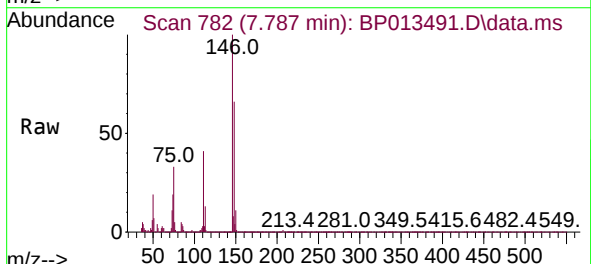
Tgt Ion: 93 Resp: 302803
Ion Ratio Lower Upper
93 100
63 81.1 59.3 99.3
95 31.5 12.8 52.8

Manual Integrations
APPROVED

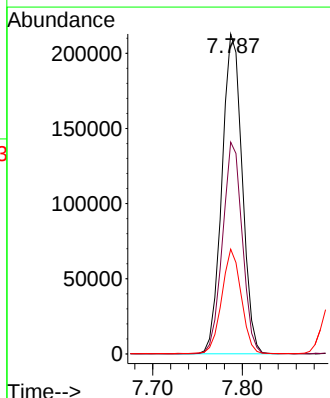
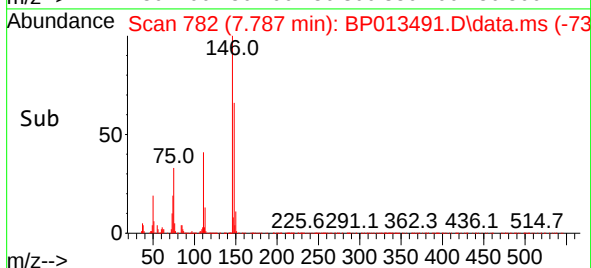
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

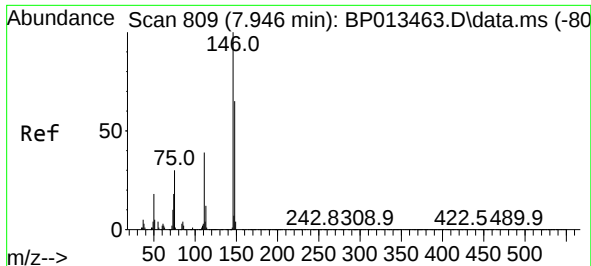


#12
1,3-Dichlorobenzene
Concen: 8.038 ng
RT: 7.787 min Scan# 782
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



Tgt Ion:146 Resp: 334948
Ion Ratio Lower Upper
146 100
148 66.2 51.5 77.3
75 32.7 23.6 35.4





#13

1,4-Dichlorobenzene

Concen: 8.114 ng

RT: 7.940 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

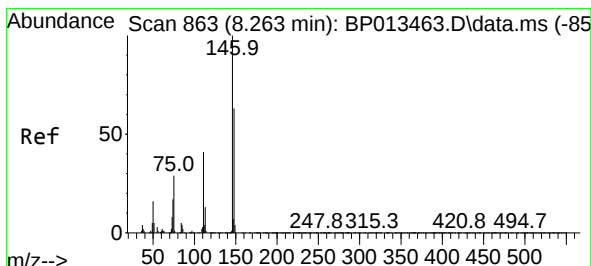
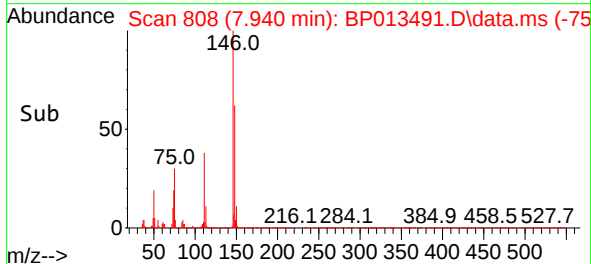
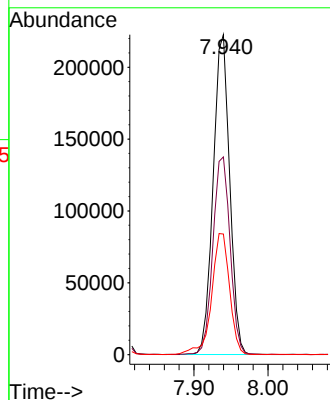
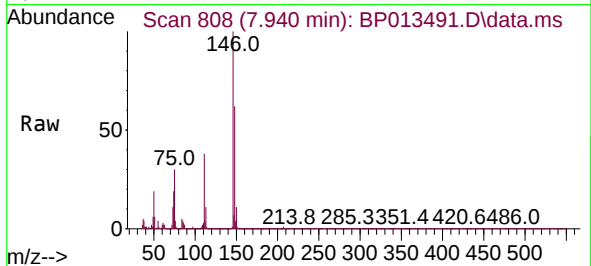
MDL-SOIL-03-QT2-2022

Tgt Ion:146 Resp: 344586
 Ion Ratio Lower Upper
 146 100
 148 61.8 52.0 78.0
 111 37.7 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: 7.997 ng

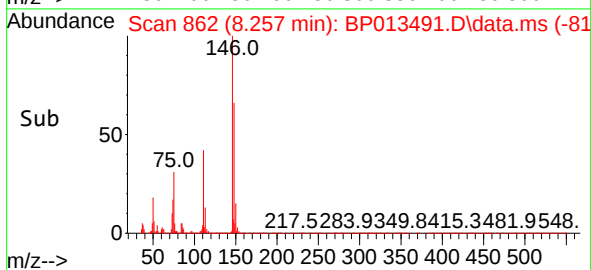
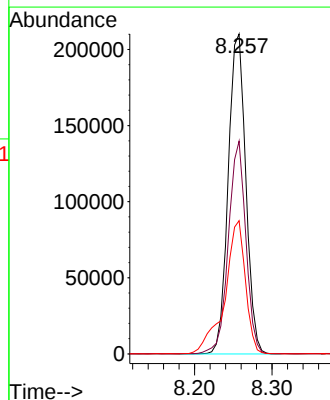
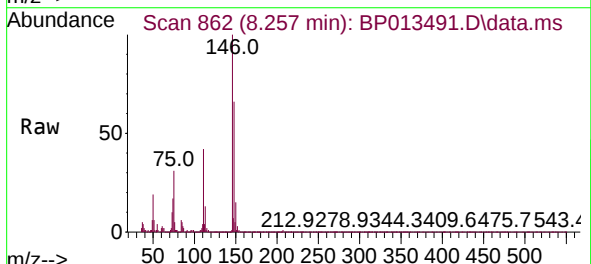
RT: 8.257 min Scan# 862

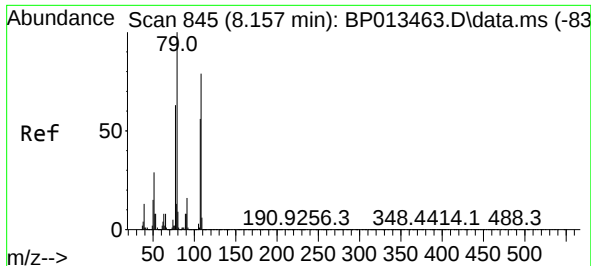
Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

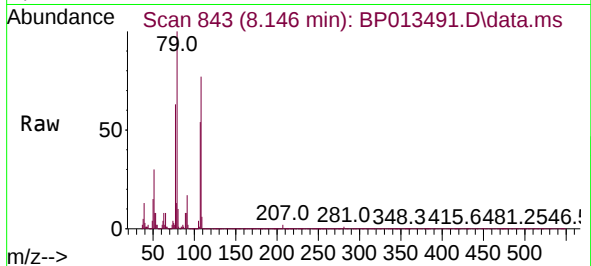
Tgt Ion:146 Resp: 331808
 Ion Ratio Lower Upper
 146 100
 148 66.5 50.9 76.3
 111 41.6 32.7 49.1





#15
Benzyl Alcohol
Concen: 6.989 ng
RT: 8.146 min Scan# 845
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

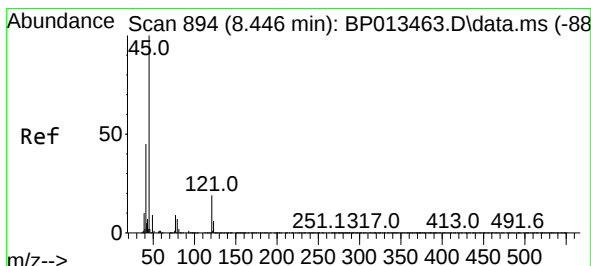
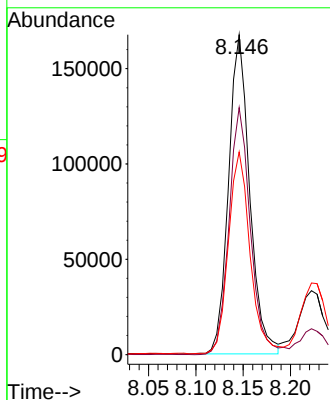
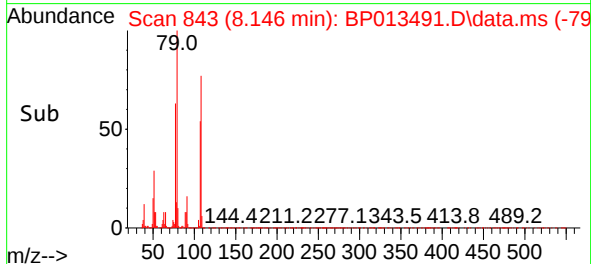
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2022



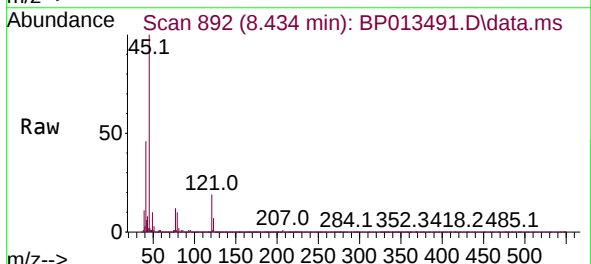
Tgt Ion: 79 Resp: 260172
Ion Ratio Lower Upper
79 100
108 77.2 63.2 94.8
77 63.3 50.5 75.7

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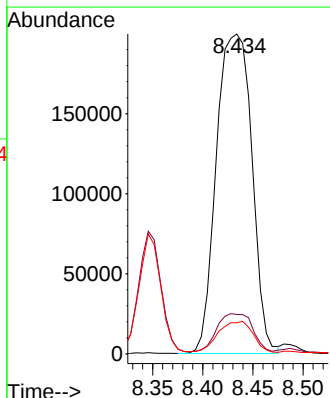
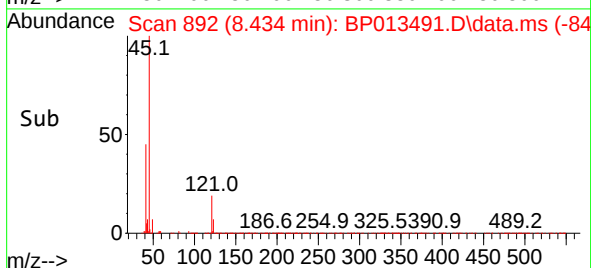
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

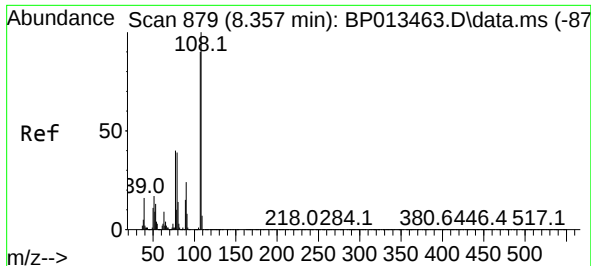


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.864 ng
RT: 8.434 min Scan# 892
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



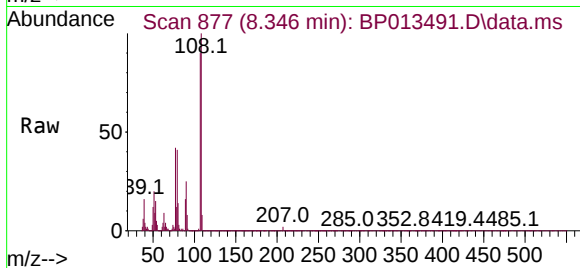
Tgt Ion: 45 Resp: 491779
Ion Ratio Lower Upper
45 100
77 12.3 0.0 32.8
79 9.7 0.0 30.3





#17
2-Methylphenol
Concen: 6.785 ng
RT: 8.346 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

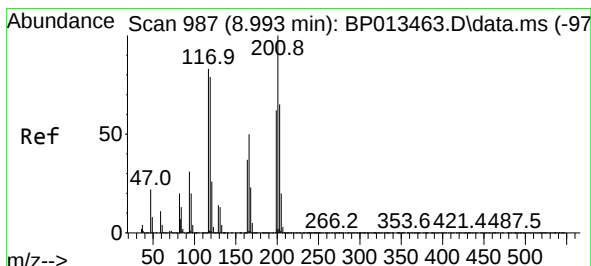
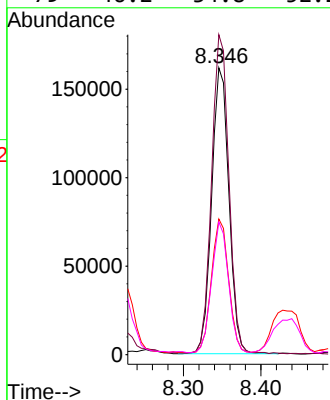
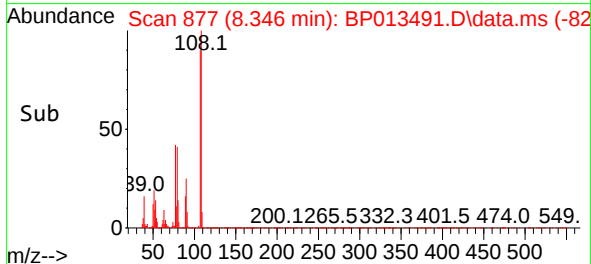
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:107 Resp: 25044
Ion Ratio Lower Upper
107 100
108 111.6 88.8 133.2
77 47.3 35.8 53.8
79 46.2 34.8 52.2

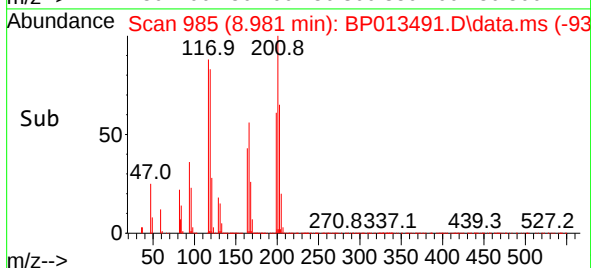
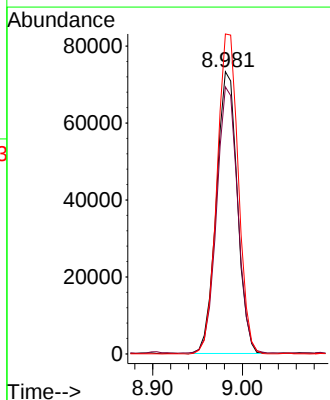
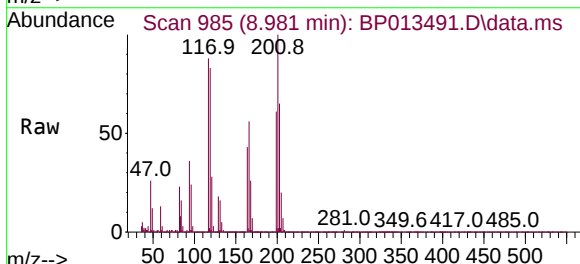
Manual Integrations
APPROVED

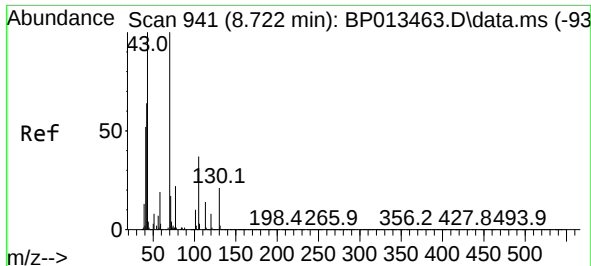
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#18
Hexachloroethane
Concen: 7.942 ng
RT: 8.981 min Scan# 985
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:117 Resp: 119442
Ion Ratio Lower Upper
117 100
119 94.6 75.8 113.8
201 113.4 95.8 143.8





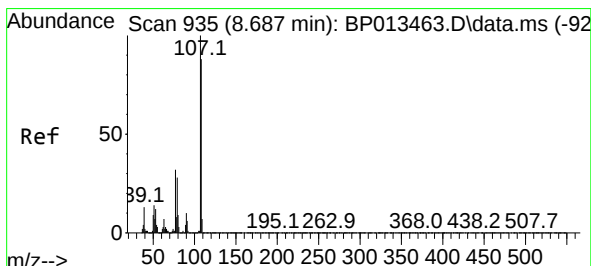
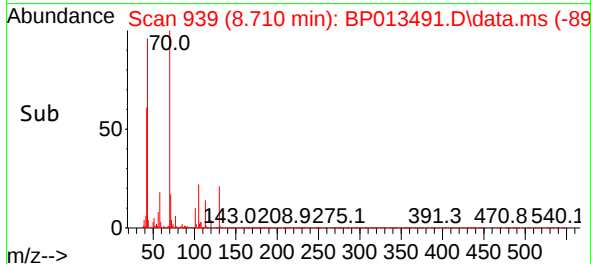
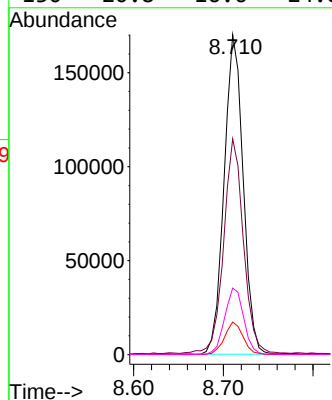
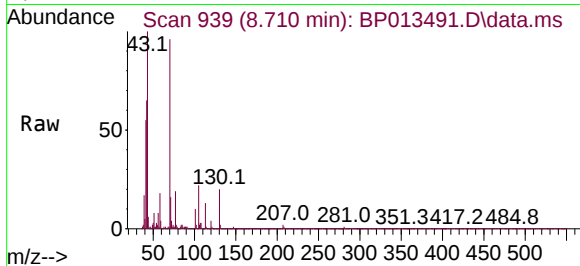
#19
n-Nitroso-di-n-propylamine
Concen: 7.313 ng
RT: 8.710 min Scan# 931
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

Tgt Ion: 70 Resp: 25217
Ion Ratio Lower Upper
70 100
42 67.4 51.1 76.7
101 10.2 7.8 11.8
130 20.8 16.6 24.8

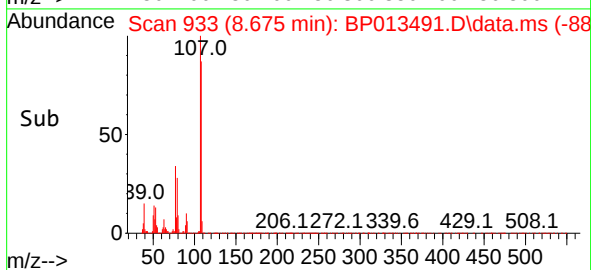
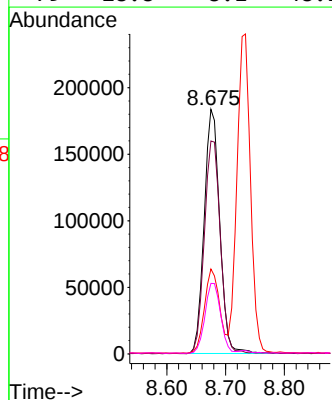
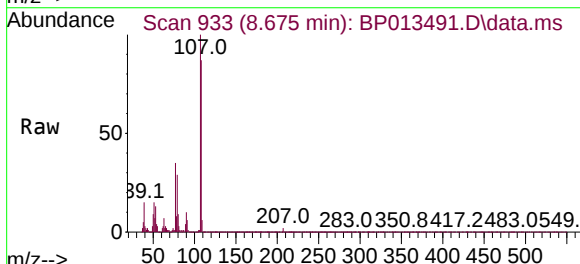
Manual Integrations
APPROVED

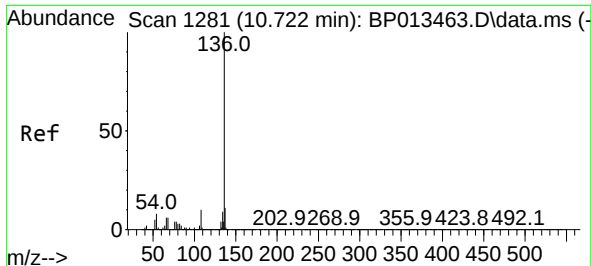
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#20
3+4-Methylphenols
Concen: 6.570 ng
RT: 8.675 min Scan# 933
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

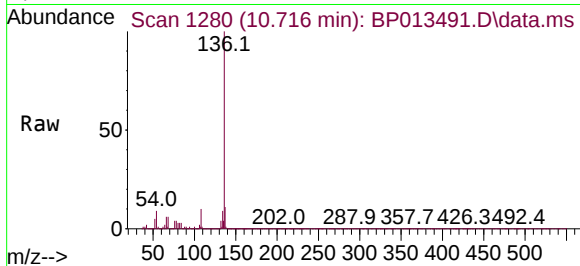
Tgt Ion:107 Resp: 336948
Ion Ratio Lower Upper
107 100
108 87.0 68.1 108.1
77 34.7 12.3 52.3
79 28.8 8.1 48.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

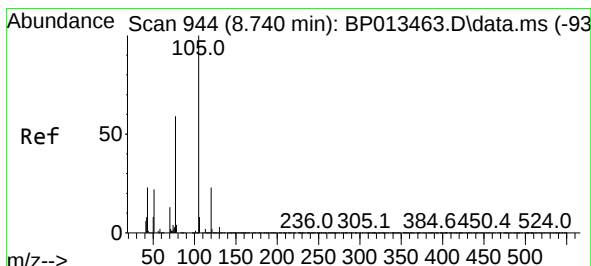
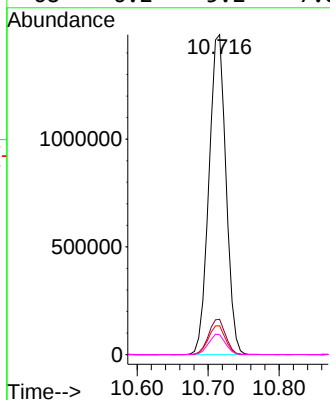
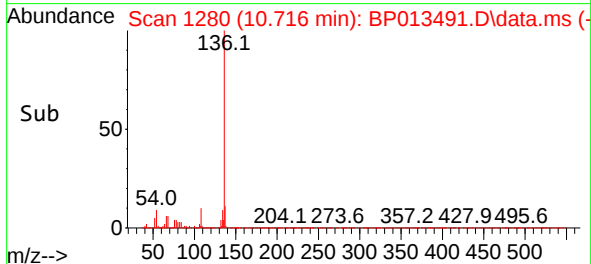
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:136 Resp: 2475932
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.0 6.6 10.0
68 6.2 5.2 7.8

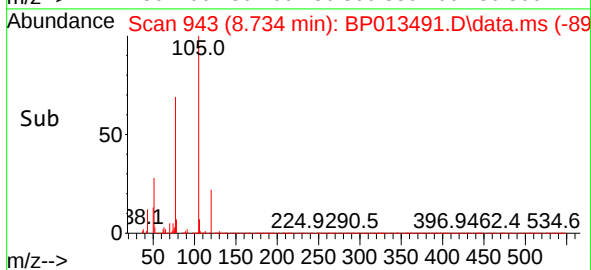
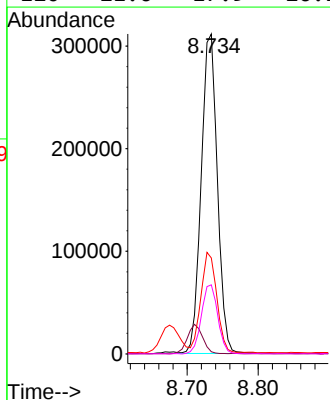
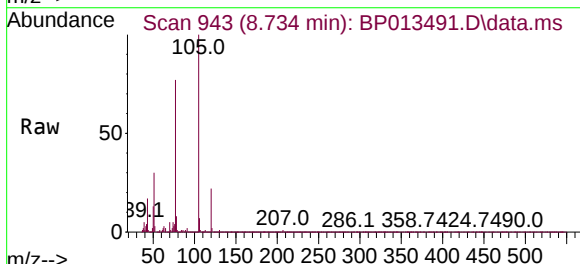
Manual Integrations
APPROVED

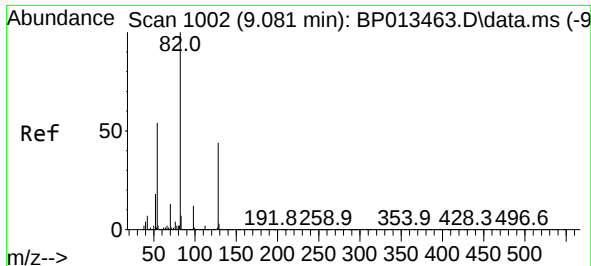
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#22
Acetophenone
Concen: 7.726 ng
RT: 8.734 min Scan# 943
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:105 Resp: 489900
Ion Ratio Lower Upper
105 100
71 0.7 2.1 3.1#
51 30.0 23.3 34.9
120 21.6 17.9 26.9





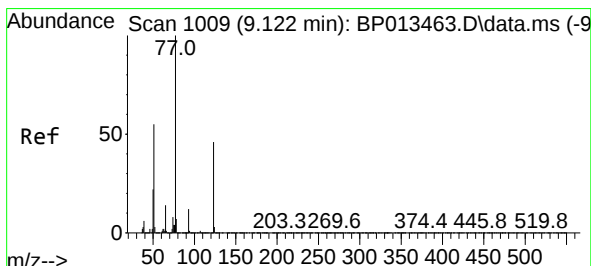
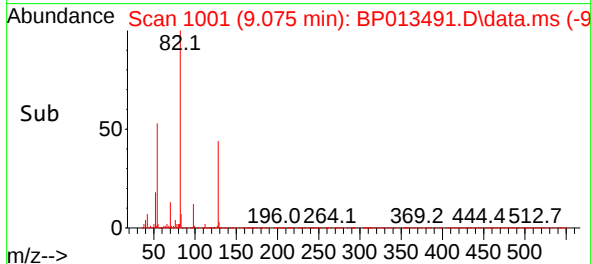
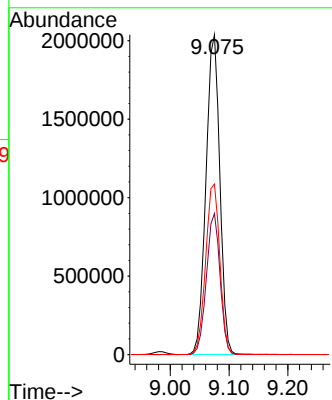
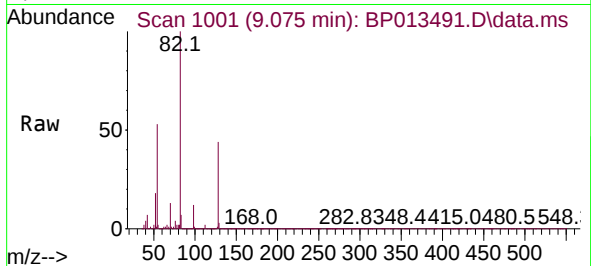
#23
Nitrobenzene-d5
Concen: 71.676 ng
RT: 9.075 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

Tgt Ion: 82 Resp: 3340319
Ion Ratio Lower Upper
82 100
128 44.1 35.4 53.0
54 53.3 42.8 64.2

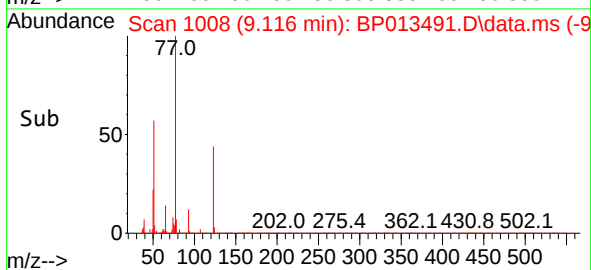
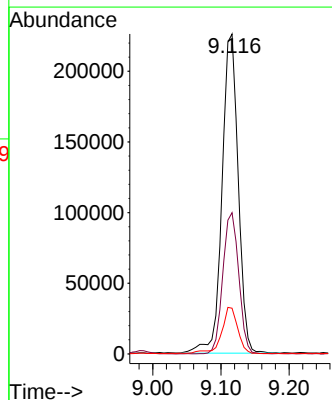
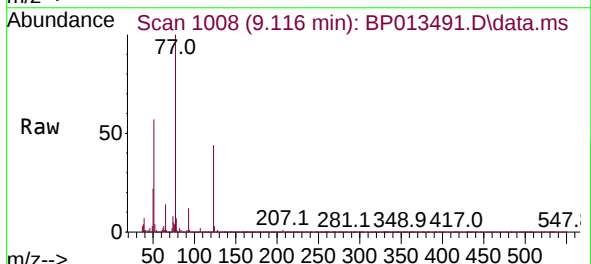
Manual Integrations
APPROVED

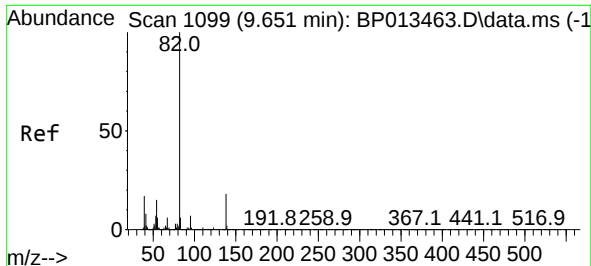
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#24
Nitrobenzene
Concen: 7.694 ng
RT: 9.116 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

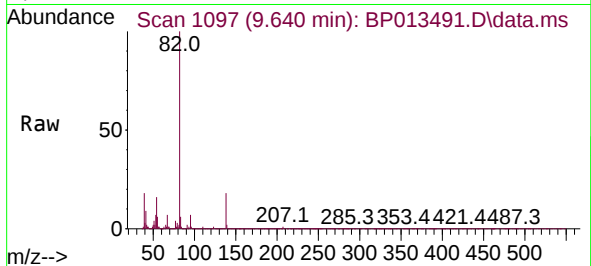
Tgt Ion: 77 Resp: 370879
Ion Ratio Lower Upper
77 100
123 44.1 36.5 54.7
65 14.3 11.0 16.6





#25
Isophorone
Concen: 7.198 ng
RT: 9.640 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

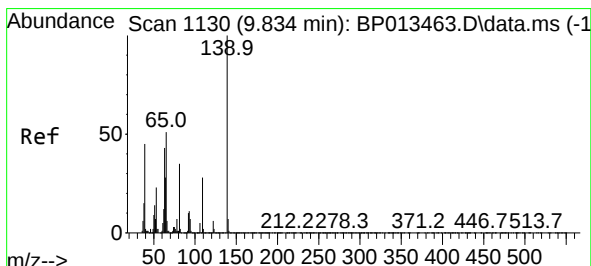
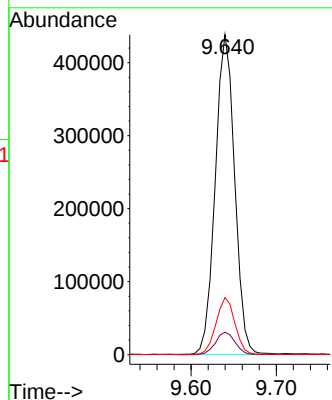
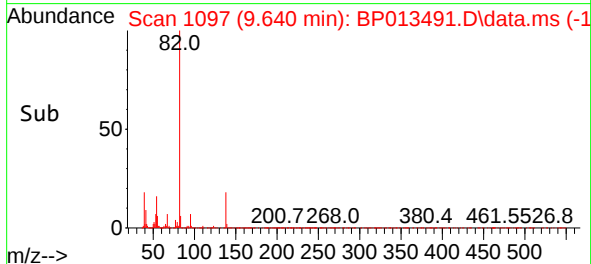
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 82 Resp: 690499
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.0
138 17.9 14.5 21.7

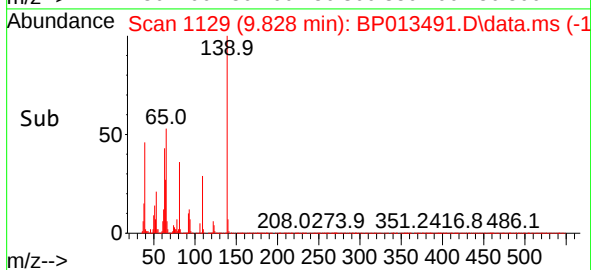
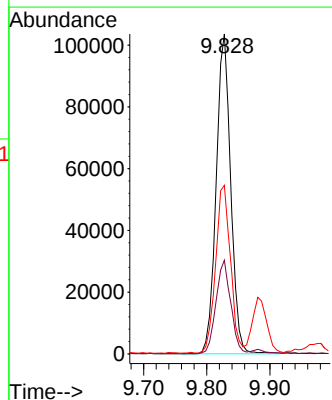
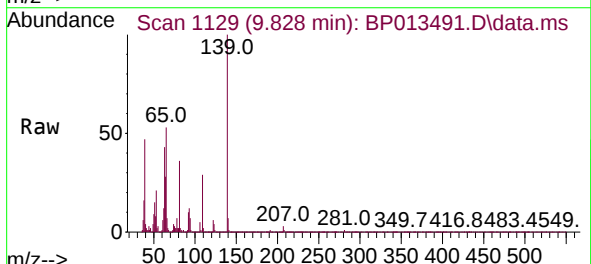
Manual Integrations
APPROVED

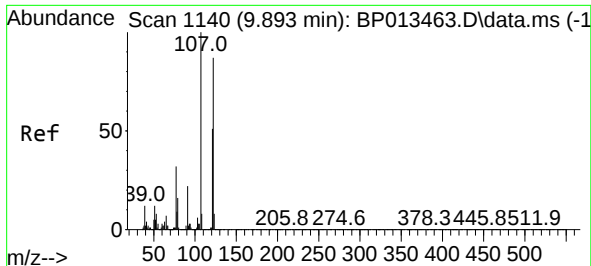
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#26
2-Nitrophenol
Concen: 6.955 ng
RT: 9.828 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:139 Resp: 165731
Ion Ratio Lower Upper
139 100
109 29.3 22.5 33.7
65 52.7 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 6.547 ng

RT: 9.887 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

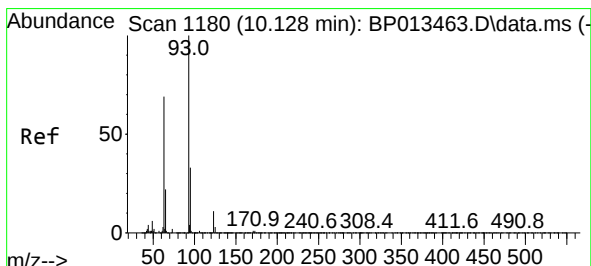
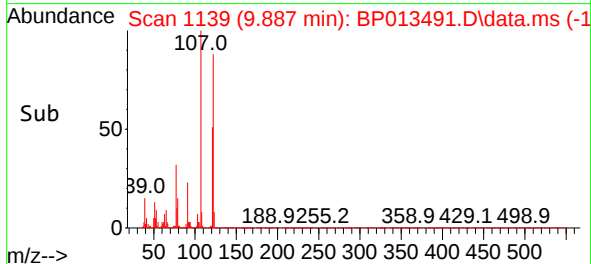
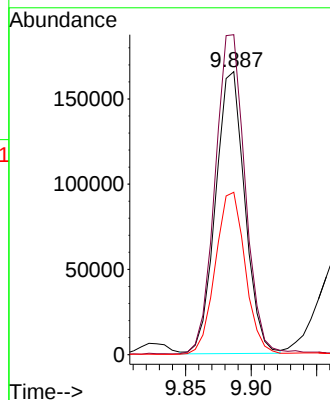
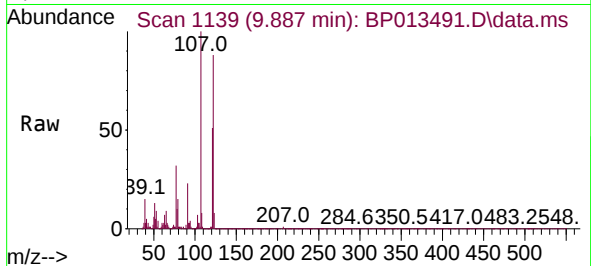
Tgt Ion:	122	Resp:	256830
Ion	Ratio	Lower	Upper
122	100		
107	113.1	91.6	137.4
121	57.3	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#28

bis(2-Chloroethoxy)methane

Concen: 7.506 ng

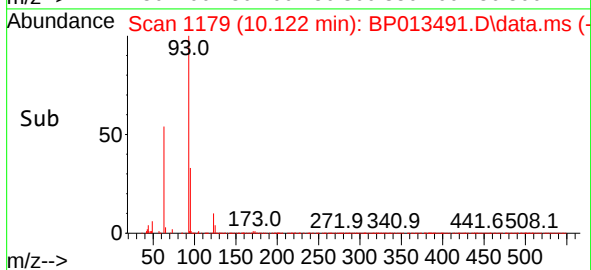
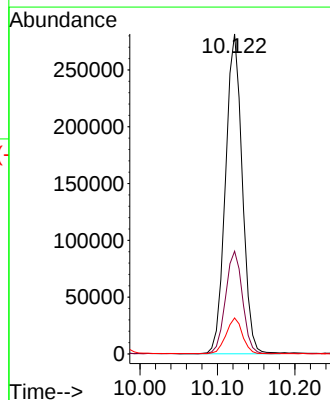
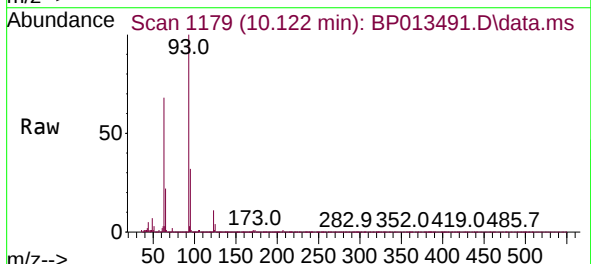
RT: 10.122 min Scan# 1179

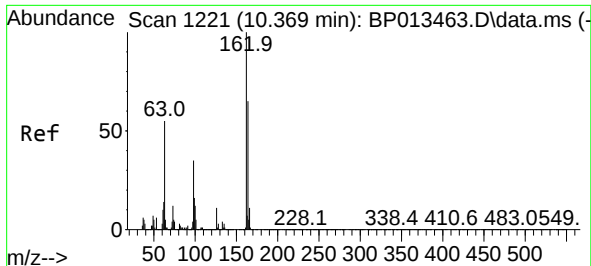
Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Tgt Ion:	93	Resp:	424674
Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.1	39.1
123	11.2	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 7.223 ng

RT: 10.363 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

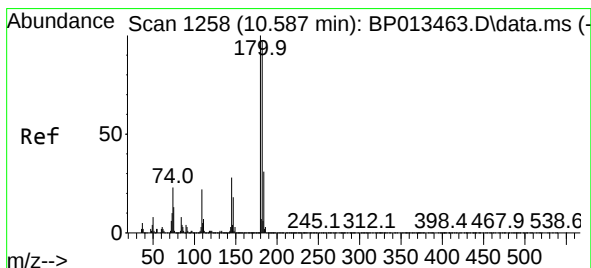
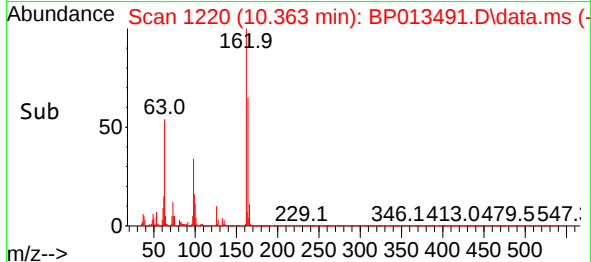
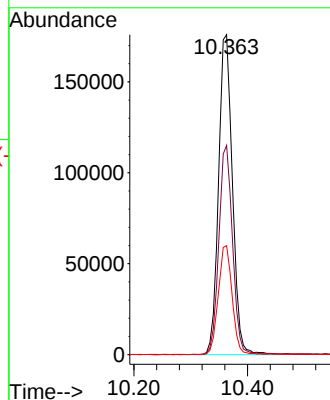
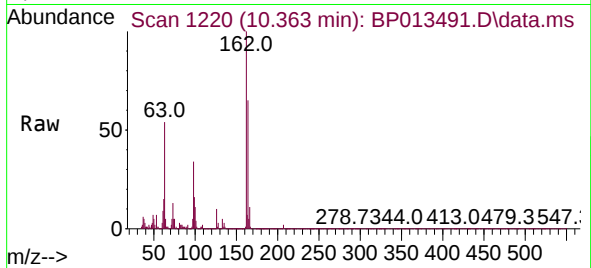
Tgt Ion:162 Resp: 297317
 Ion Ratio Lower Upper
 162 100
 164 65.4 45.4 85.4
 98 34.0 14.8 54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#30

1,2,4-Trichlorobenzene

Concen: 7.756 ng

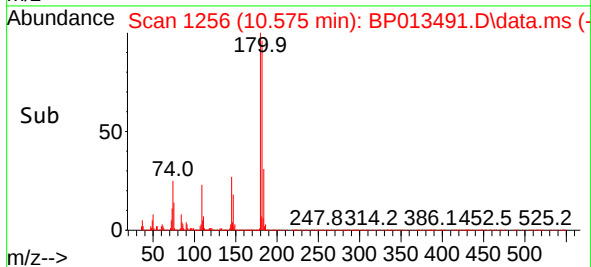
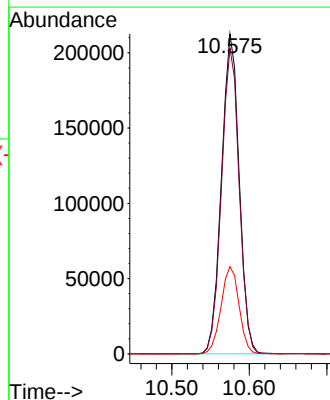
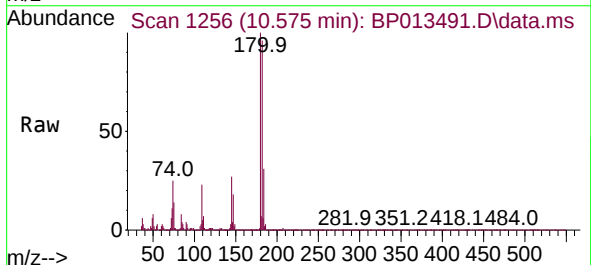
RT: 10.575 min Scan# 1256

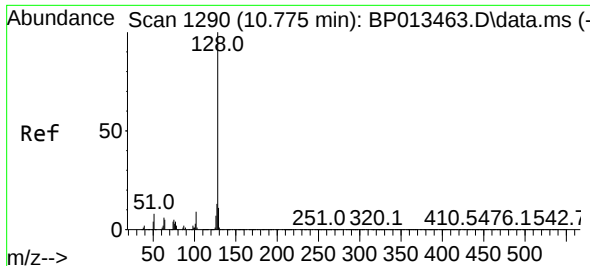
Delta R.T. -0.012 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

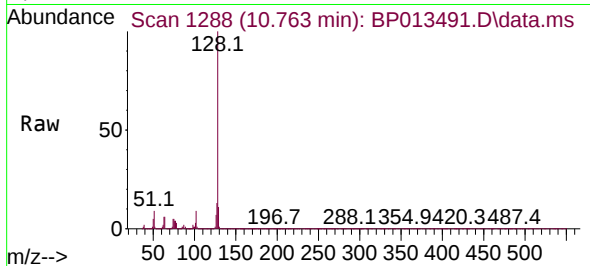
Tgt Ion:180 Resp: 337870
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.3 115.9
 145 27.3 22.8 34.2





#31
Naphthalene
Concen: 7.644 ng
RT: 10.763 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

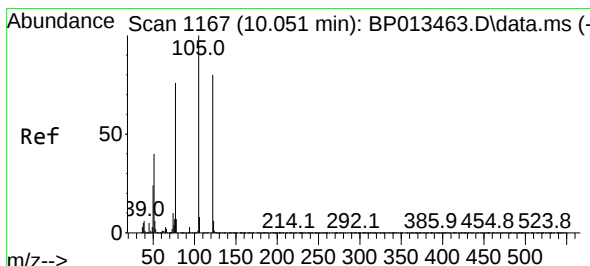
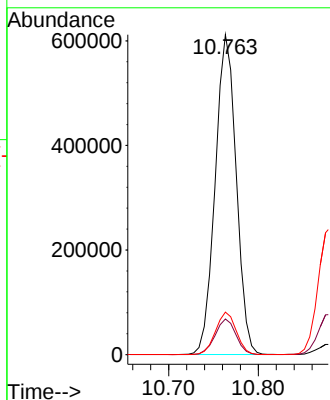
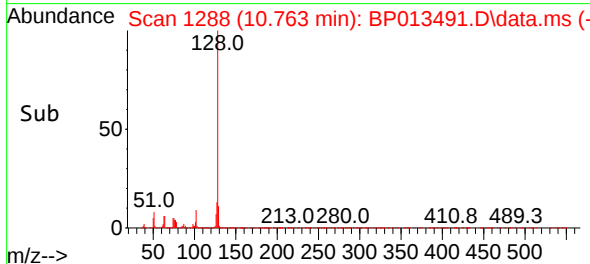
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:128 Resp: 1000840
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.3 10.6 16.0

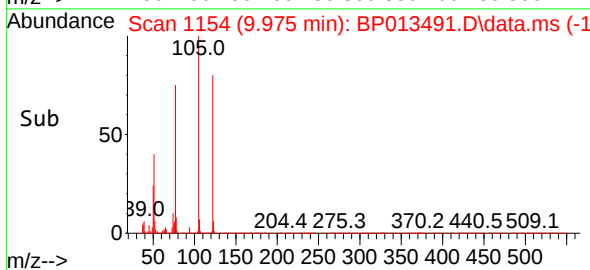
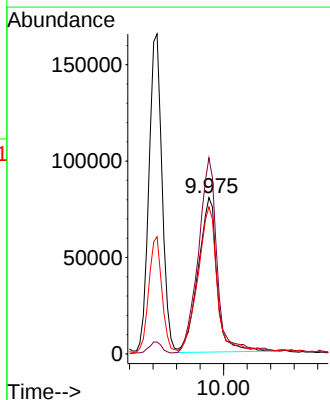
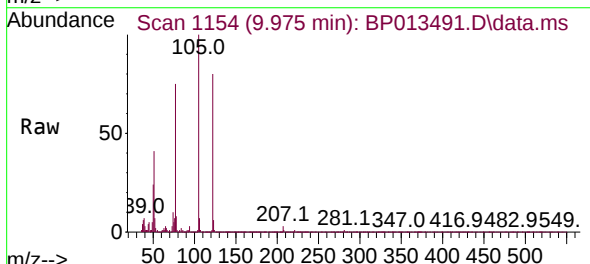
Manual Integrations
APPROVED

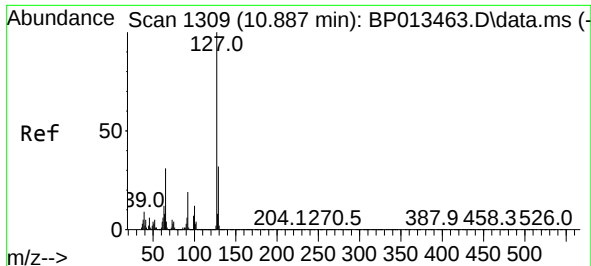
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#32
Benzoic acid
Concen: 5.456 ng
RT: 9.975 min Scan# 1154
Delta R.T. -0.076 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

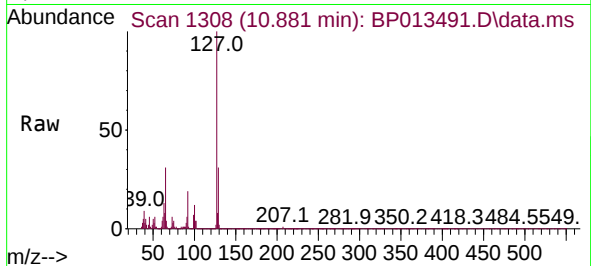
Tgt Ion:122 Resp: 178514
Ion Ratio Lower Upper
122 100
105 125.5 102.7 142.7
77 94.1 74.0 114.0





#33
4-Chloroaniline
Concen: 6.877 ng
RT: 10.881 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

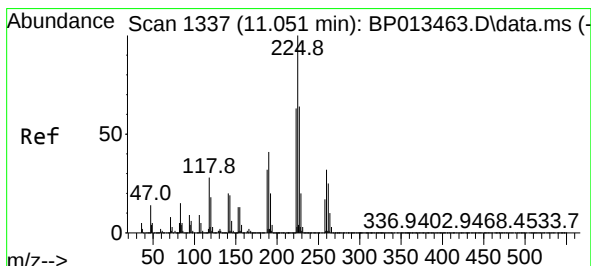
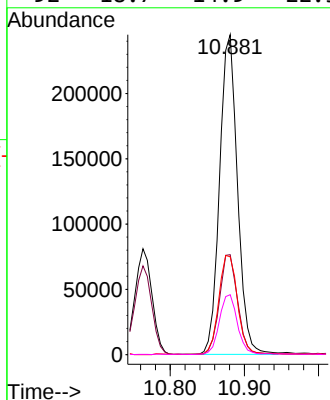
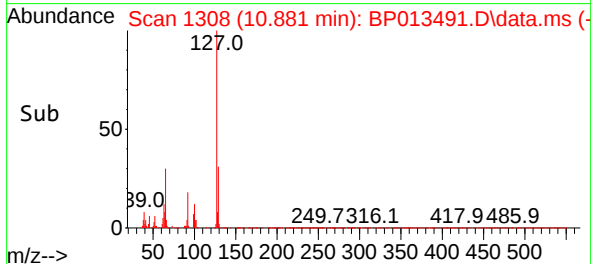


Tgt Ion:127 Resp: 411274

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.6	38.4
65	30.6	25.2	37.8
92	18.7	14.9	22.3

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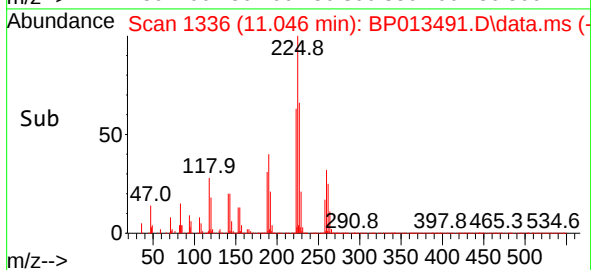
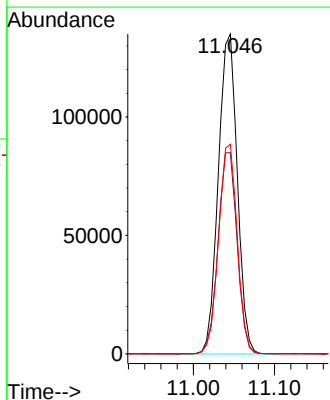
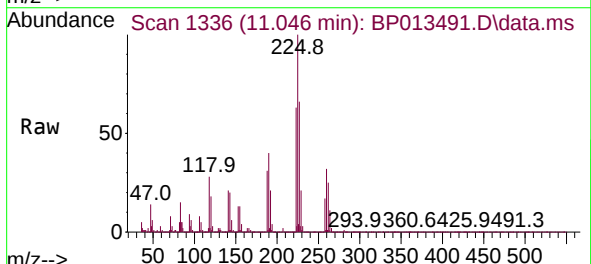
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

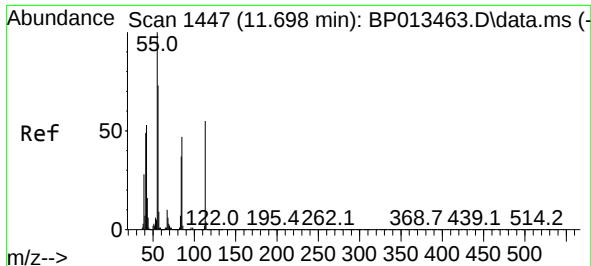


#34
Hexachlorobutadiene
Concen: 7.975 ng
RT: 11.046 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:225 Resp: 218996

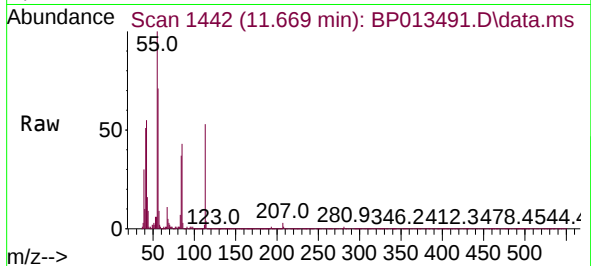
Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.0	75.0
227	65.5	51.0	76.6





#35
Caprolactam
Concen: 6.788 ng
RT: 11.669 min Scan# 1447
Delta R.T. -0.029 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

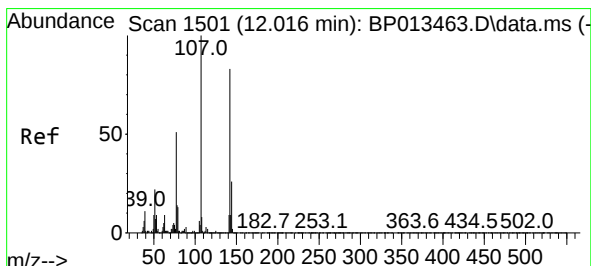
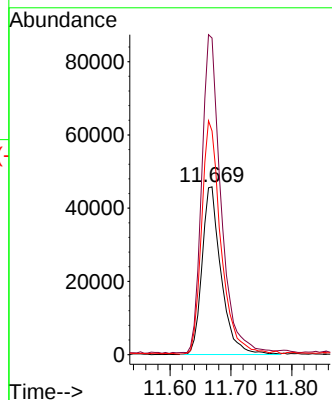
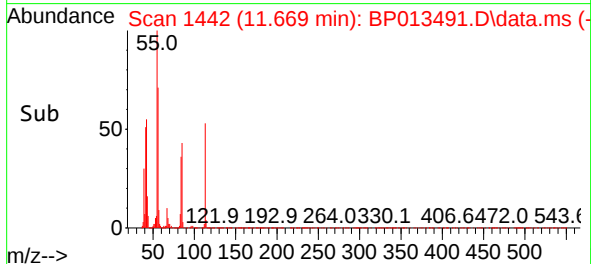
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:113 Resp: 99568
Ion Ratio Lower Upper
113 100
55 188.8 163.1 203.1
56 133.3 113.0 153.0

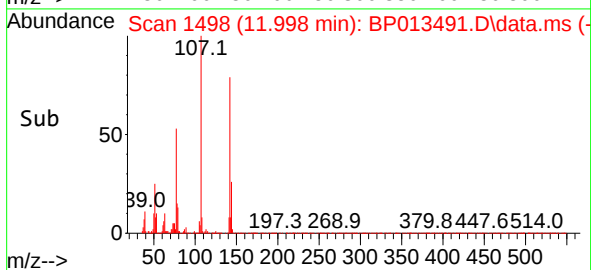
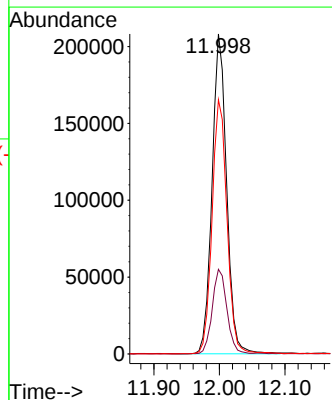
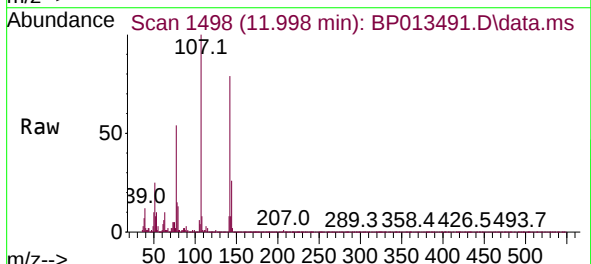
Manual Integrations
APPROVED

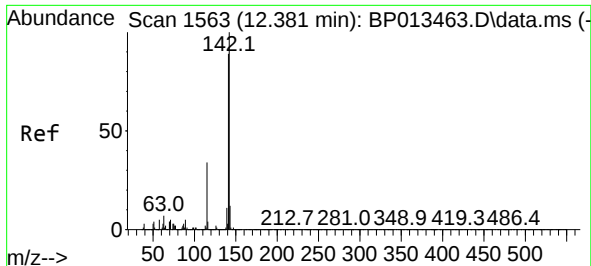
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#36
4-Chloro-3-methylphenol
Concen: 7.170 ng
RT: 11.998 min Scan# 1498
Delta R.T. -0.018 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:107 Resp: 321608
Ion Ratio Lower Upper
107 100
144 26.4 21.2 31.8
142 79.4 66.0 99.0





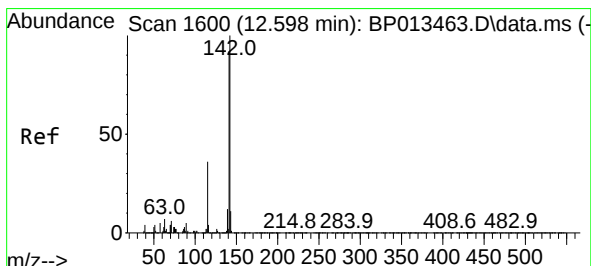
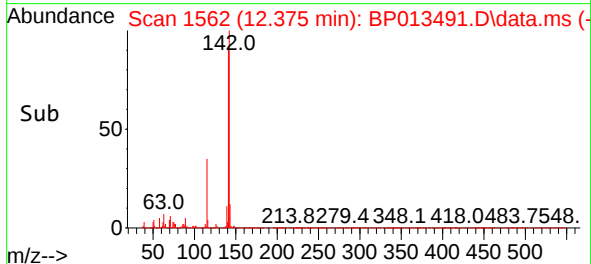
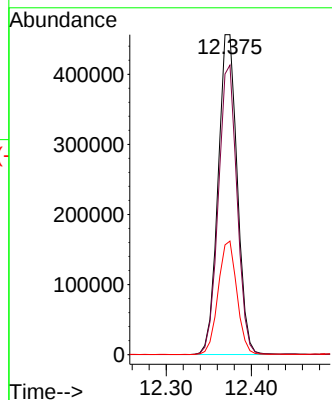
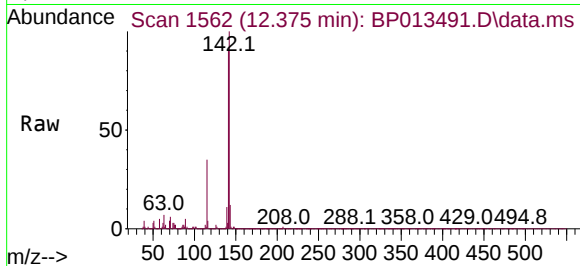
#37
2-Methylnaphthalene
Concen: 7.252 ng
RT: 12.375 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

Tgt Ion:142 Resp: 712849
Ion Ratio Lower Upper
142 100
141 90.5 71.1 106.7
115 35.5 27.6 41.4

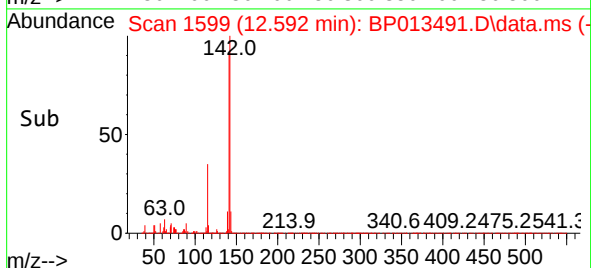
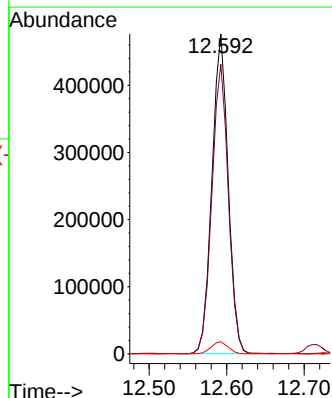
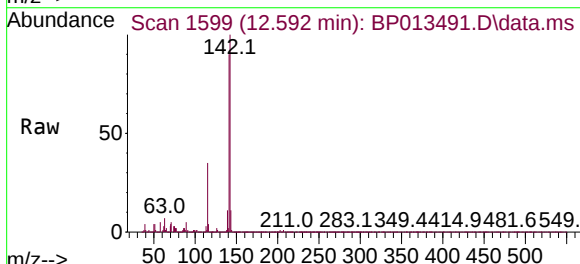
Manual Integrations
APPROVED

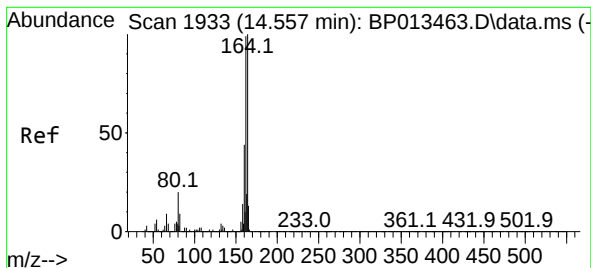
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#38
1-Methylnaphthalene
Concen: 7.448 ng
RT: 12.592 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:142 Resp: 690607
Ion Ratio Lower Upper
142 100
141 90.5 73.3 109.9
116 3.8 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: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:164 Resp: 169807

Ion Ratio Lower Upper

164 100

162 100.2 79.5 119.3

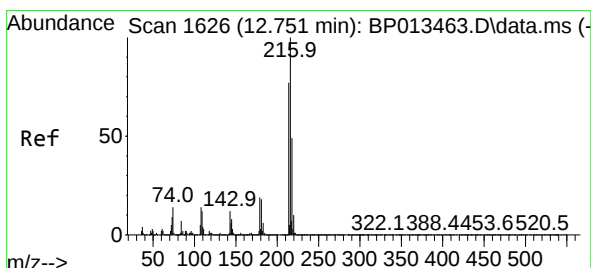
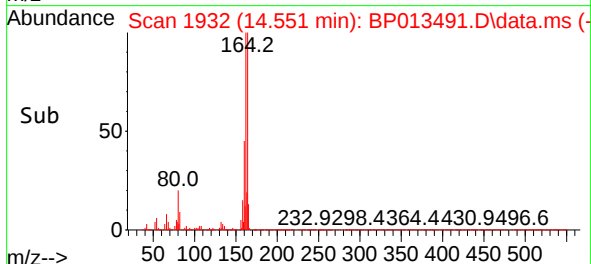
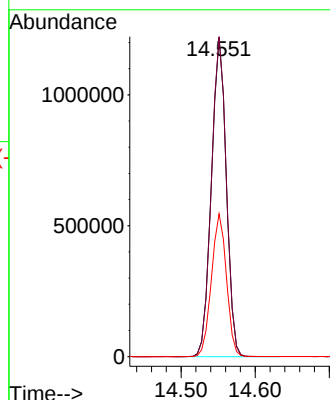
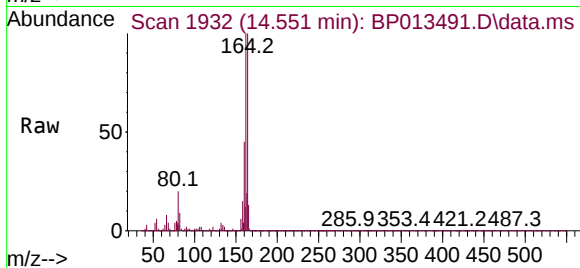
160 44.7 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.656 ng

RT: 12.740 min Scan# 1624

Delta R.T. -0.012 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Tgt Ion:216 Resp: 426109

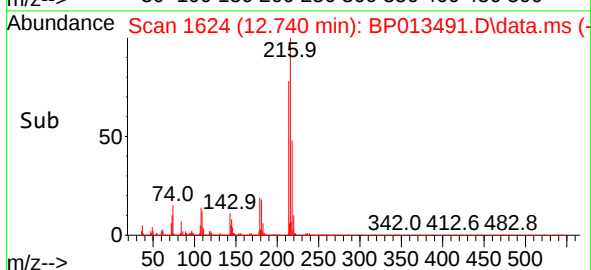
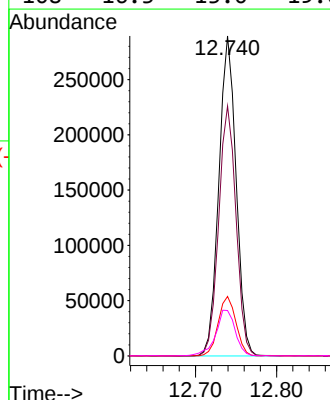
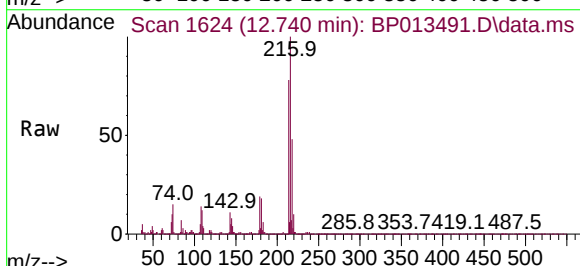
Ion Ratio Lower Upper

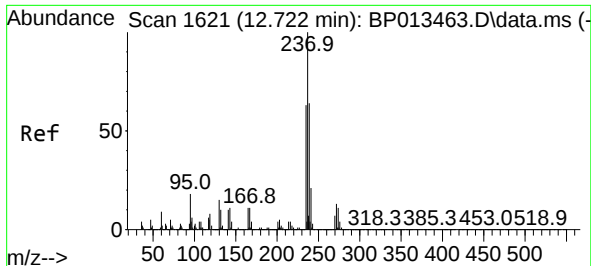
216 100

214 78.5 62.1 93.1

179 19.1 15.6 23.4

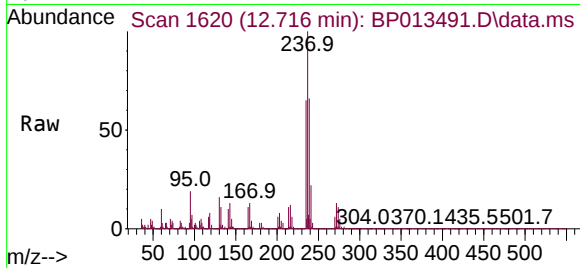
108 16.3 13.0 19.6





#41
Hexachlorocyclopentadiene
Concen: 6.870 ng
RT: 12.716 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

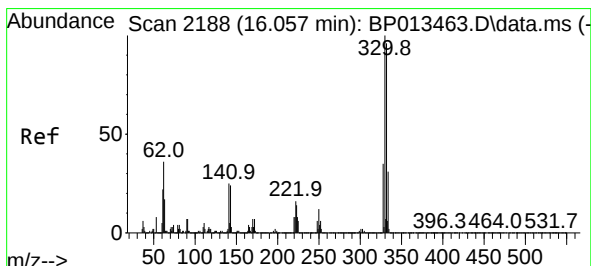
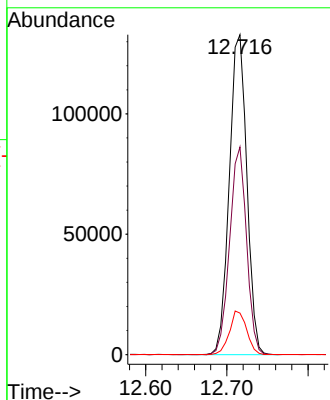
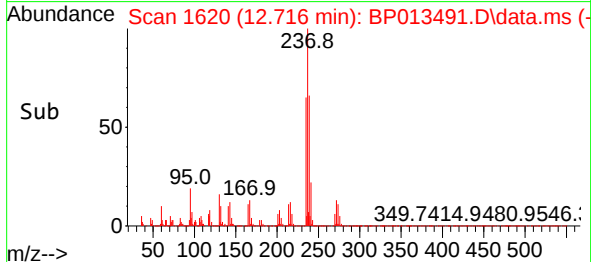
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:237 Resp: 199379
Ion Ratio Lower Upper
237 100
235 64.9 43.4 83.4
272 13.0 0.0 32.7

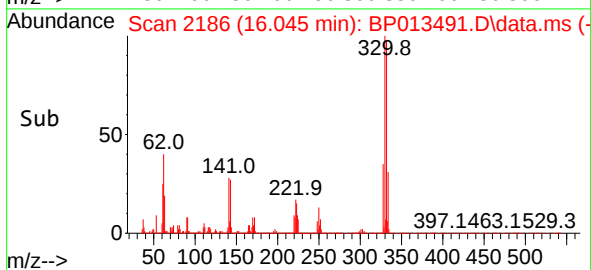
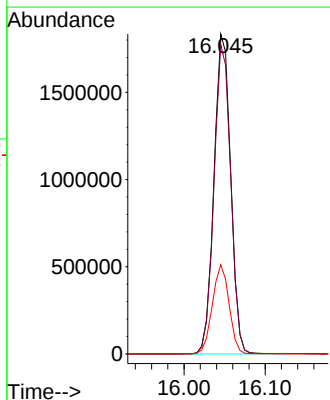
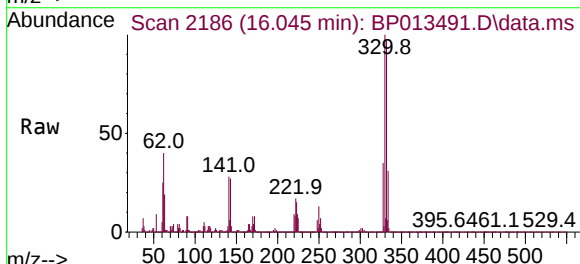
Manual Integrations
APPROVED

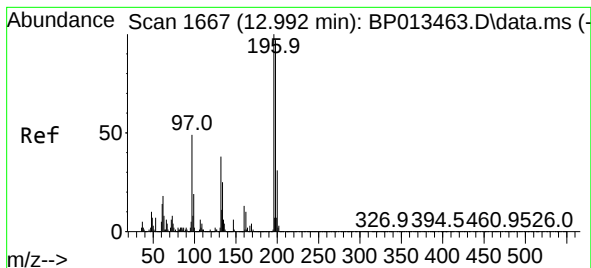
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#42
2,4,6-Tribromophenol
Concen: 98.795 ng
RT: 16.045 min Scan# 2186
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:330 Resp: 2618682
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 27.8 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 7.075 ng

RT: 12.981 min Scan# 1665

Delta R.T. -0.012 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:196 Resp: 270743

Ion Ratio Lower Upper

196 100

198 93.9 77.4 116.0

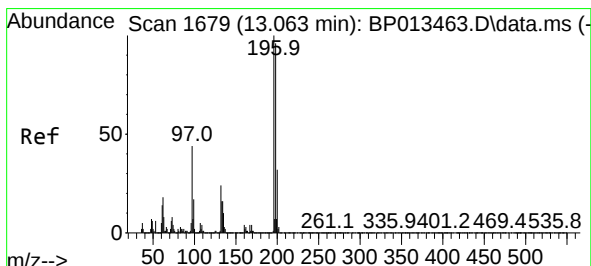
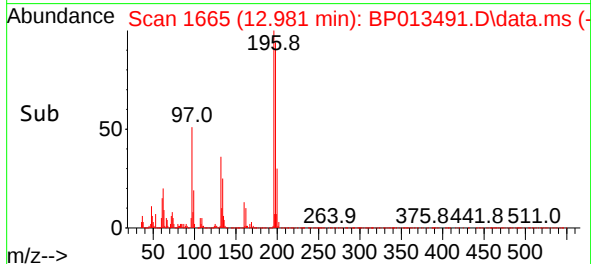
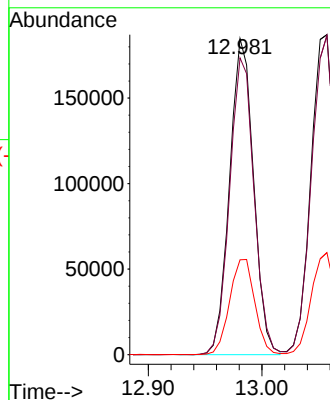
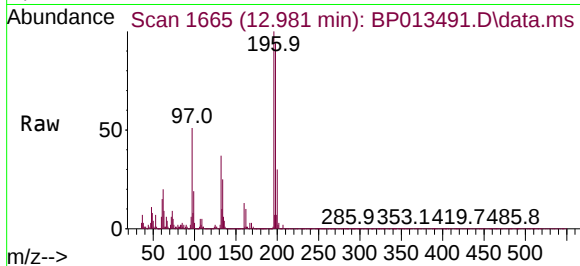
200 30.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#44

2,4,5-Trichlorophenol

Concen: 6.588 ng

RT: 13.057 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Tgt Ion:196 Resp: 295821

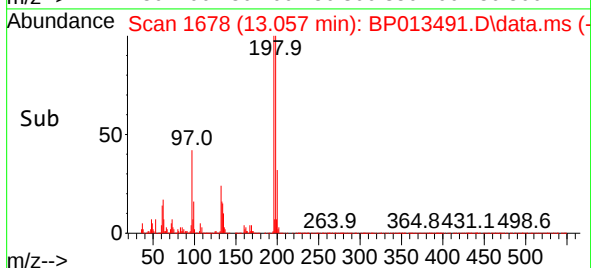
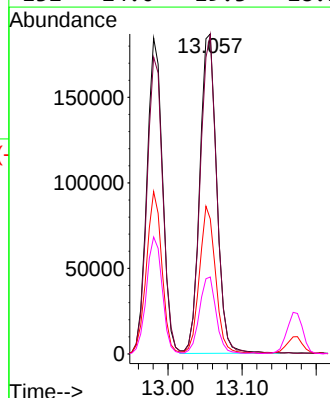
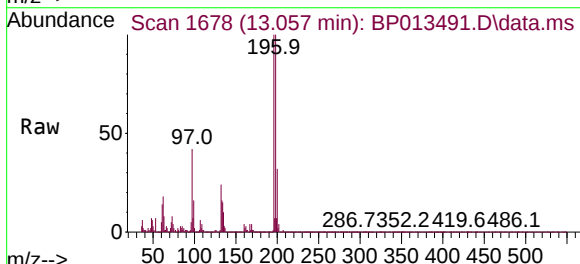
Ion Ratio Lower Upper

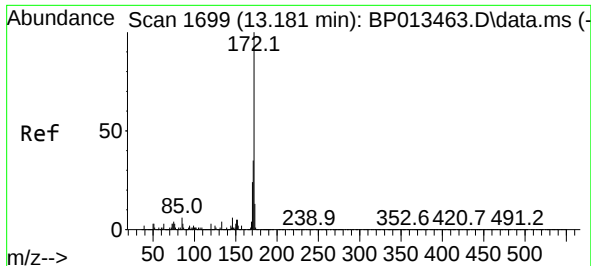
196 100

198 99.7 76.8 115.2

97 42.2 34.9 52.3

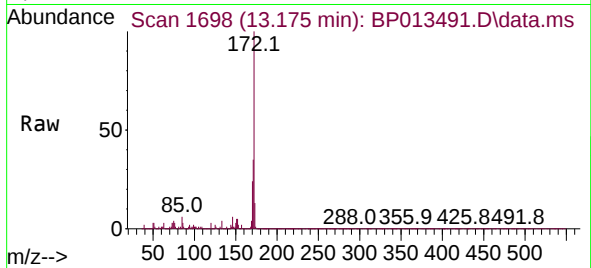
132 24.0 19.3 28.9





#45
2-Fluorobiphenyl
Concen: 72.268 ng
RT: 13.175 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

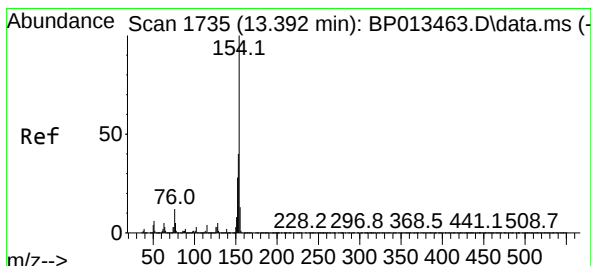
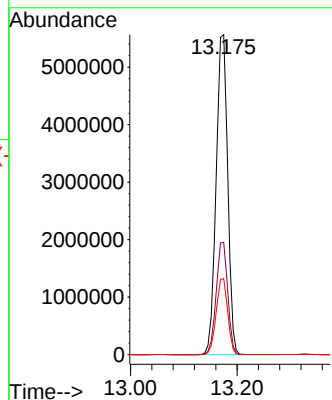
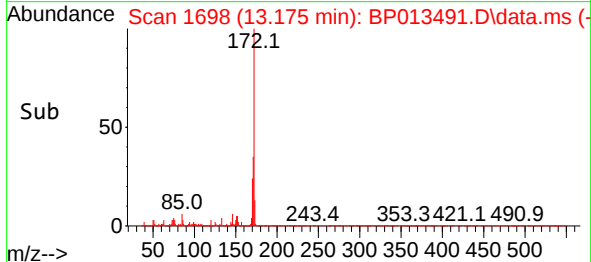
Instrument :
BNA_P
Client Sample Id :
MDL-SOIL-03-QT2-2022



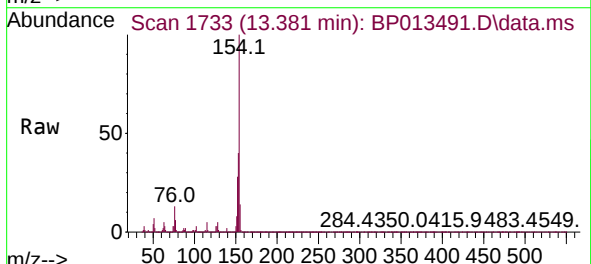
Tgt Ion:172 Resp: 8394656
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.7 19.0 28.4

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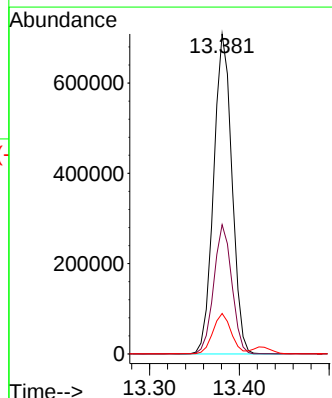
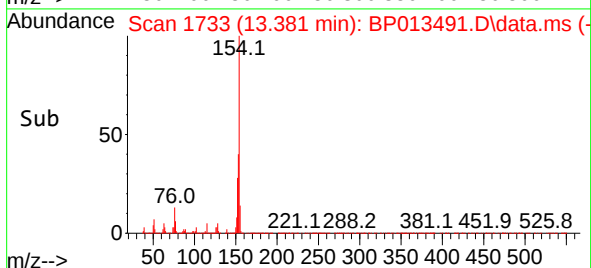
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

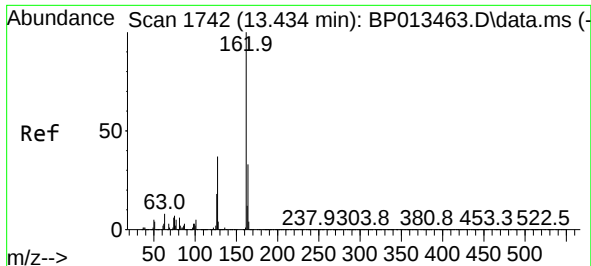


#46
1,1'-Biphenyl
Concen: 7.811 ng
RT: 13.381 min Scan# 1733
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



Tgt Ion:154 Resp: 1002842
Ion Ratio Lower Upper
154 100
153 40.4 19.9 59.9
76 12.6 0.0 32.5





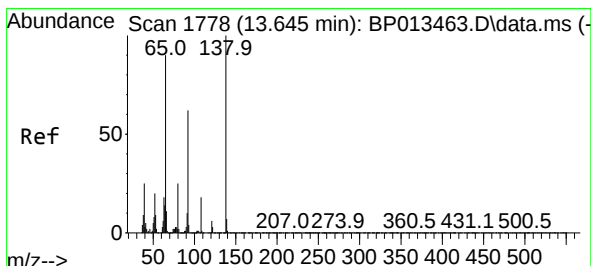
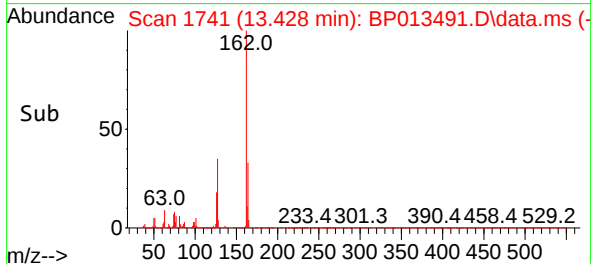
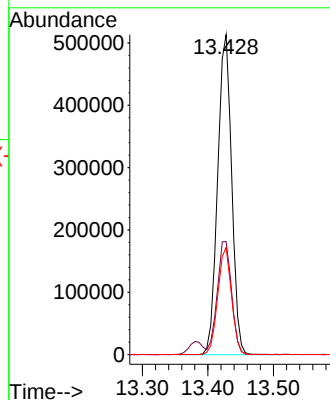
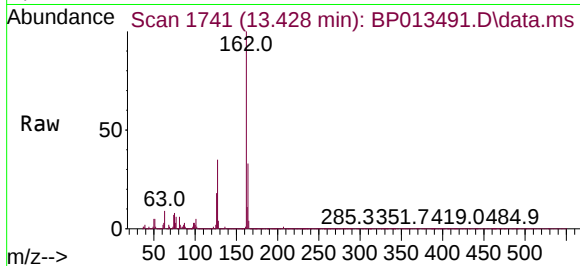
#47
2-Chloronaphthalene
Concen: 7.752 ng
RT: 13.428 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

Tgt Ion:162 Resp: 763324
Ion Ratio Lower Upper
162 100
127 35.4 29.8 44.8
164 33.5 26.4 39.6

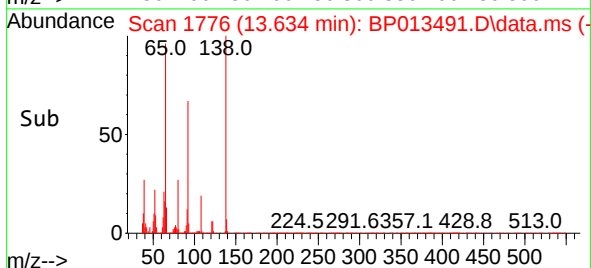
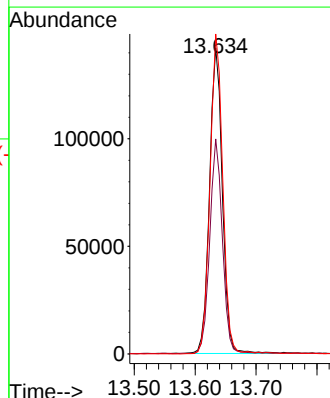
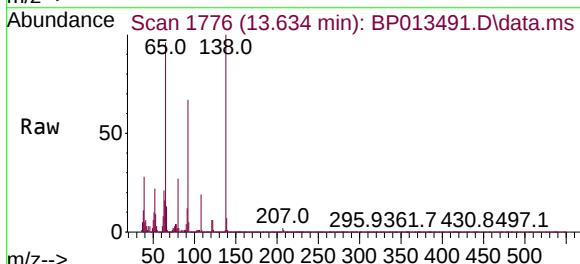
Manual Integrations
APPROVED

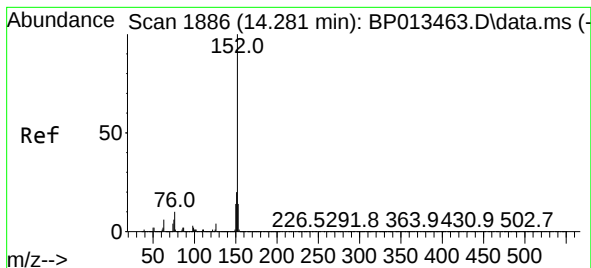
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#48
2-Nitroaniline
Concen: 6.441 ng
RT: 13.634 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion: 65 Resp: 208759
Ion Ratio Lower Upper
65 100
92 70.2 55.1 82.7
138 104.5 88.5 132.7





#49

Acenaphthylene

Concen: 7.262 ng

RT: 14.269 min Scan# 1884

Delta R.T. -0.012 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:152 Resp: 1179234

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

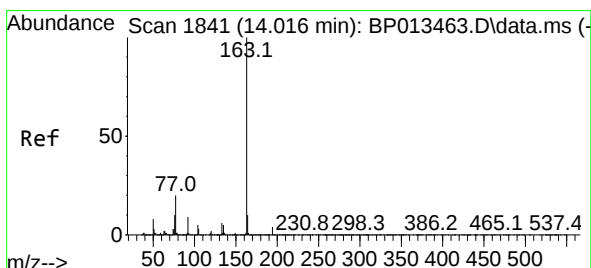
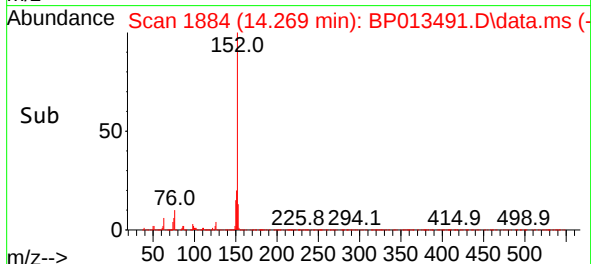
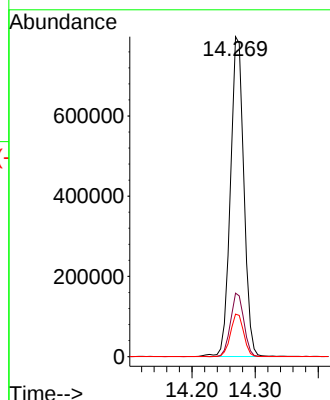
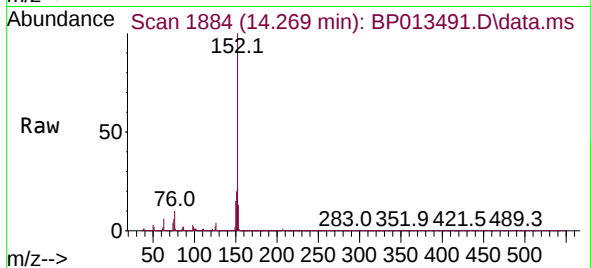
153 13.3 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#50

Dimethylphthalate

Concen: 7.349 ng

RT: 14.004 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

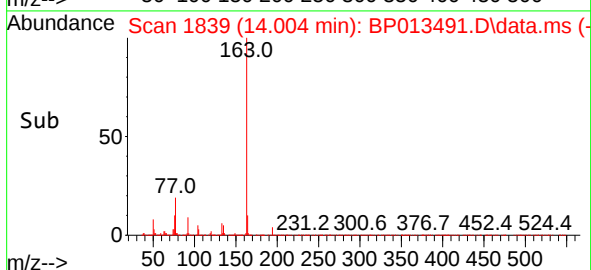
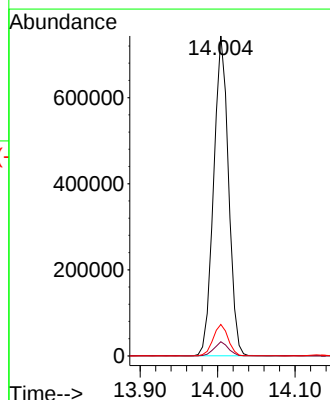
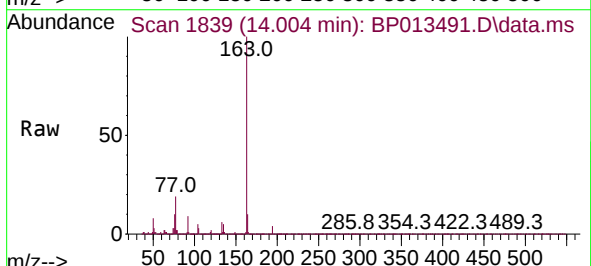
Tgt Ion:163 Resp: 989568

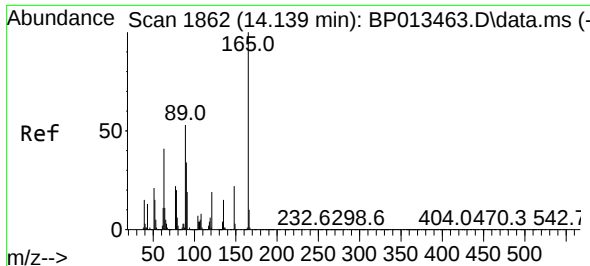
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

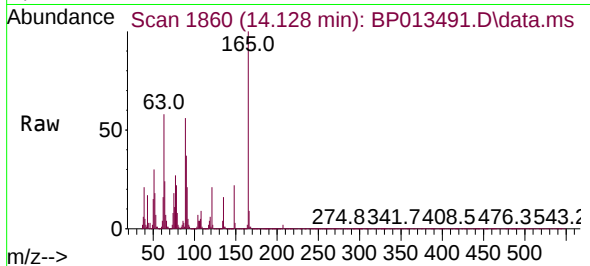
164 9.8 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 6.951 ng
RT: 14.128 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

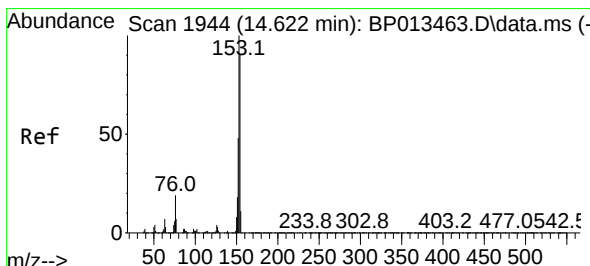
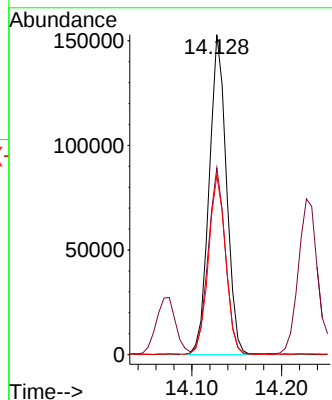
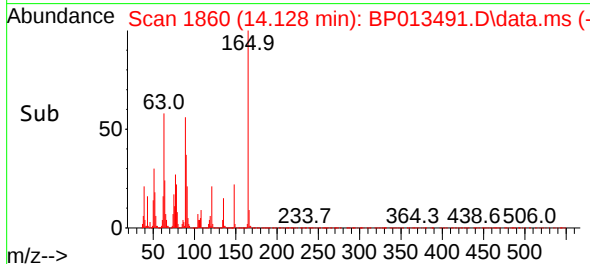
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



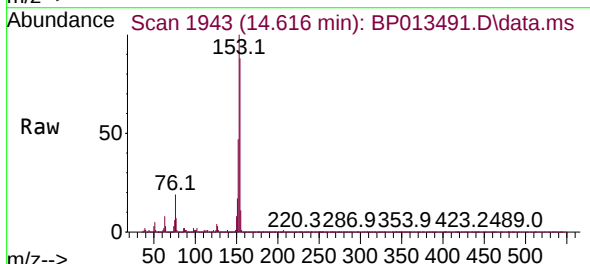
Tgt Ion:165 Resp: 204172
Ion Ratio Lower Upper
165 100
63 58.4 42.8 64.2
89 56.0 42.5 63.7

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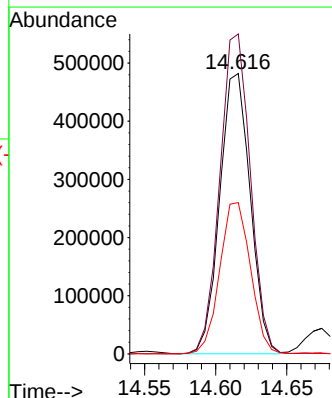
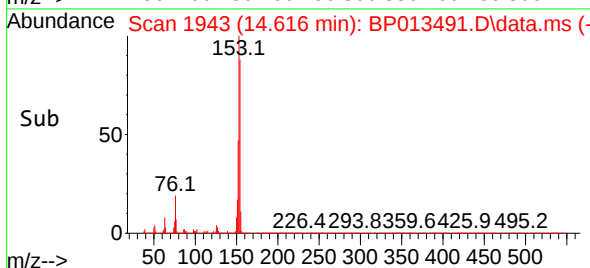
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

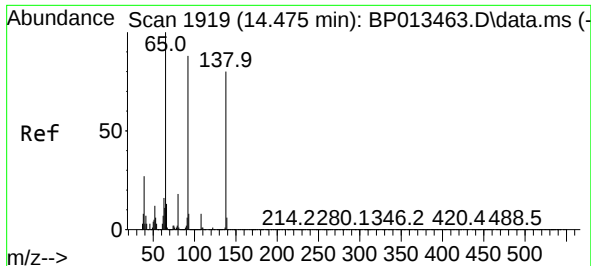


#52
Acenaphthene
Concen: 7.495 ng
RT: 14.616 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



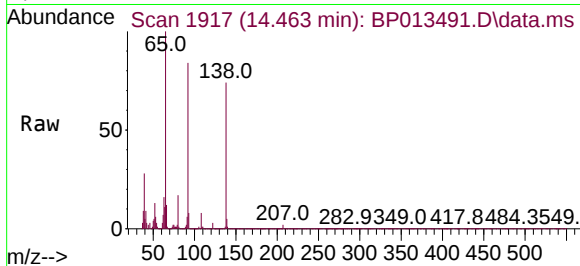
Tgt Ion:154 Resp: 720343
Ion Ratio Lower Upper
154 100
153 114.1 89.2 133.8
152 53.9 42.8 64.2





#53
3-Nitroaniline
Concen: 6.394 ng
RT: 14.463 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

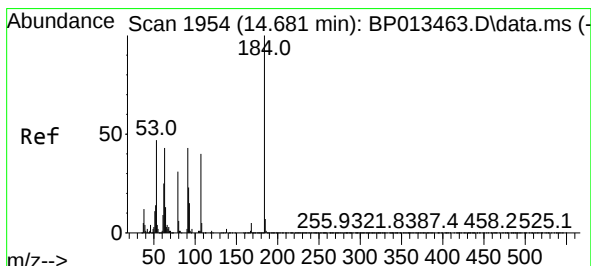
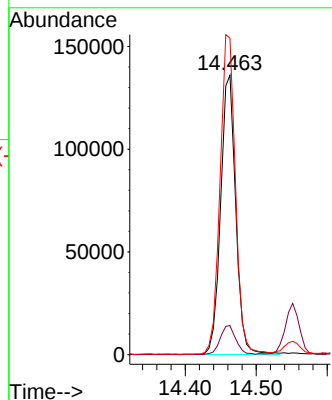
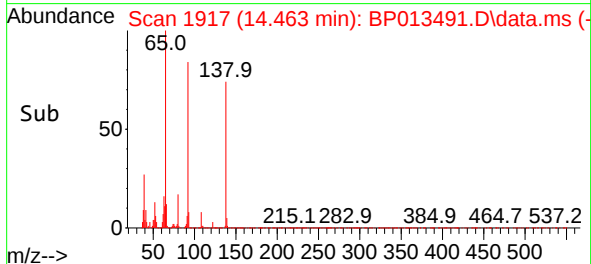
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:138 Resp: 200944
Ion Ratio Lower Upper
138 100
108 10.4 7.7 11.5
92 113.3 88.2 132.2

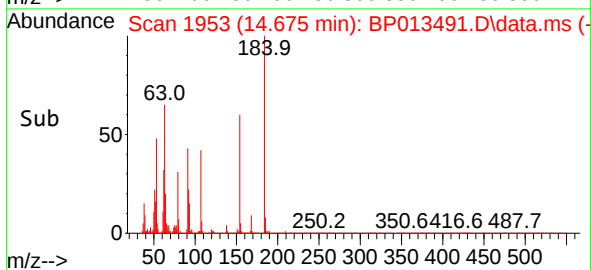
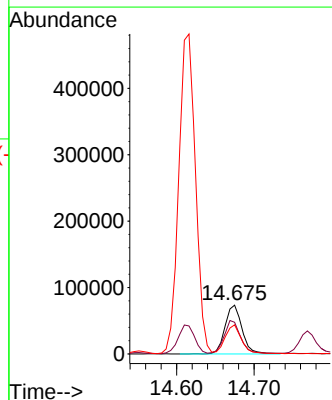
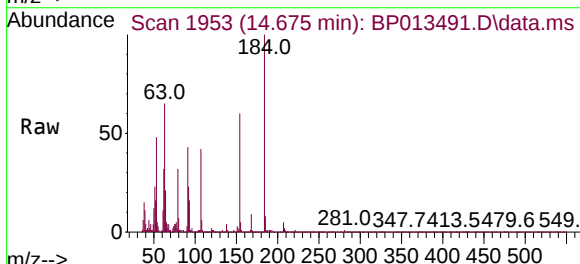
Manual Integrations
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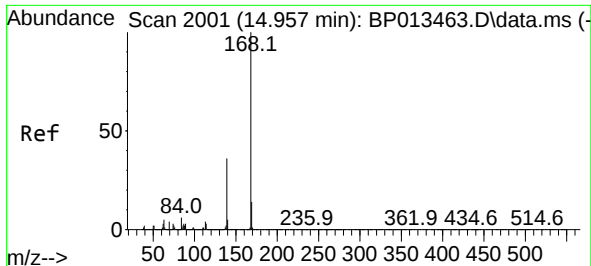
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#54
2,4-Dinitrophenol
Concen: 5.609 ng
RT: 14.675 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

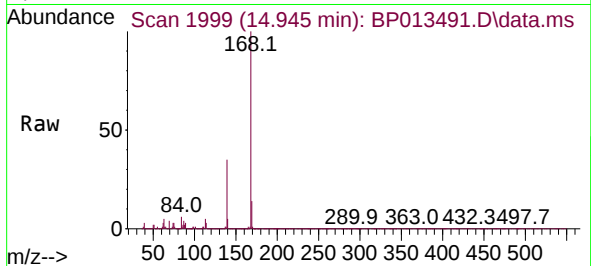
Tgt Ion:184 Resp: 111942
Ion Ratio Lower Upper
184 100
63 64.9 49.8 74.8
154 59.8 45.8 68.8





#55
Dibenzenofuran
Concen: 7.580 ng
RT: 14.945 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

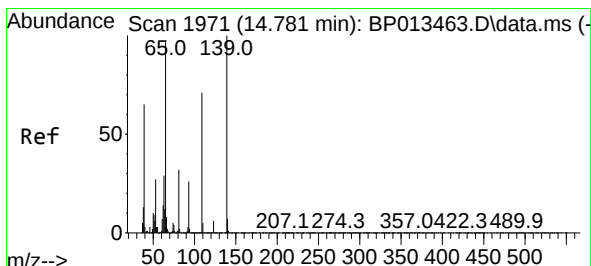
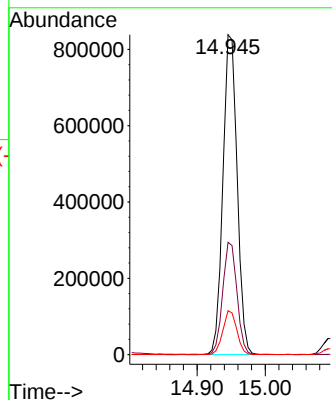
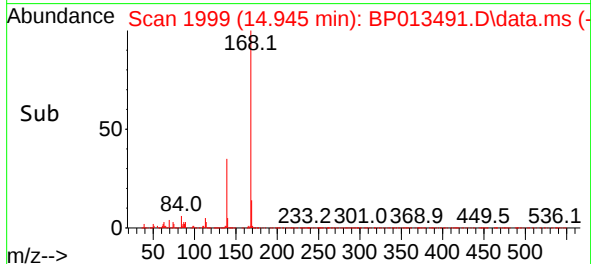
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:168 Resp: 120788
Ion Ratio Lower Upper
168 100
139 35.1 28.6 43.0
169 13.7 11.0 16.6

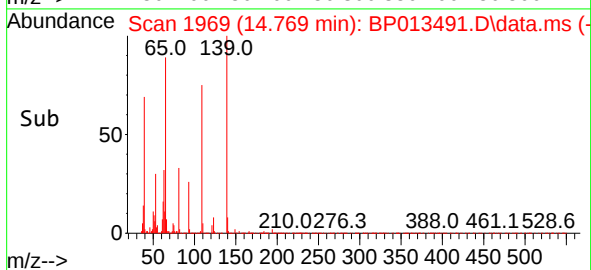
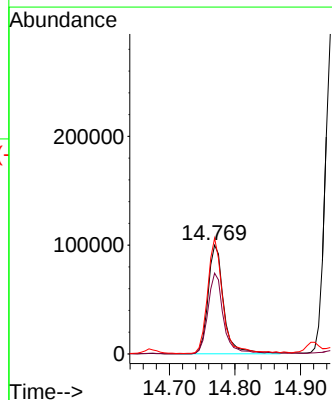
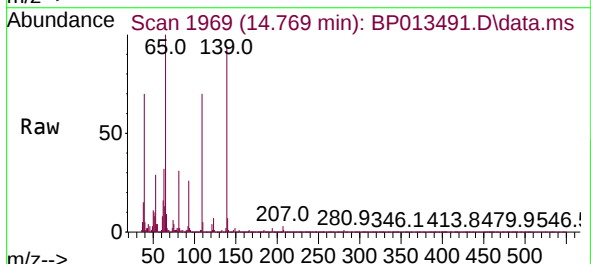
Manual Integrations
APPROVED

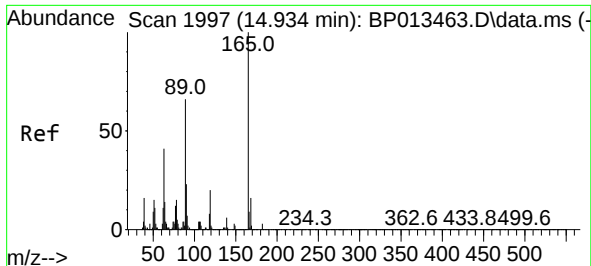
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#56
4-Nitrophenol
Concen: 6.521 ng
RT: 14.769 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

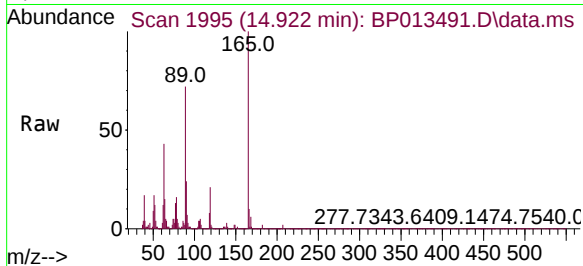
Tgt Ion:139 Resp: 164653
Ion Ratio Lower Upper
139 100
109 74.2 51.0 91.0
65 106.5 77.3 117.3





#57
2,4-Dinitrotoluene
Concen: 6.760 ng
RT: 14.922 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

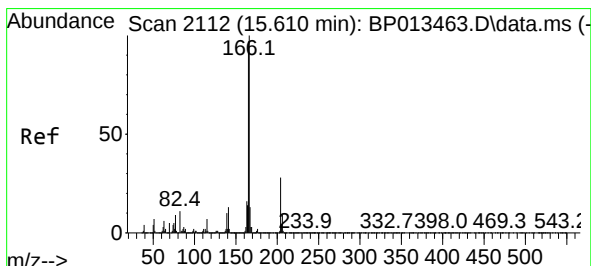
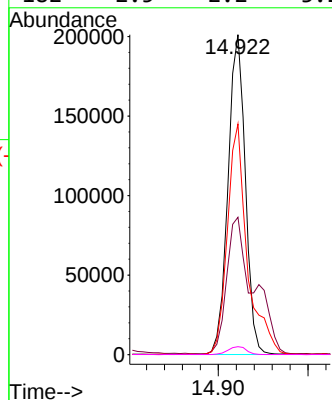
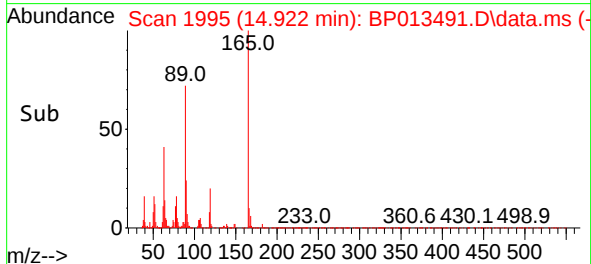
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



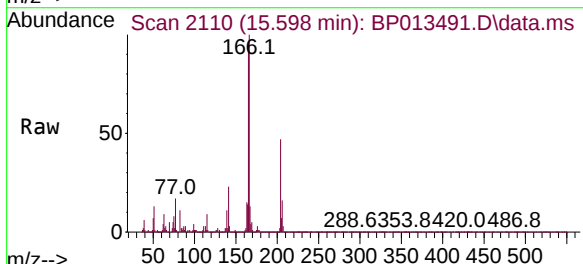
Tgt Ion:165 Resp: 271537
Ion Ratio Lower Upper
165 100
63 42.9 33.3 49.9
89 72.1 52.6 78.8
182 2.5 2.2 3.2

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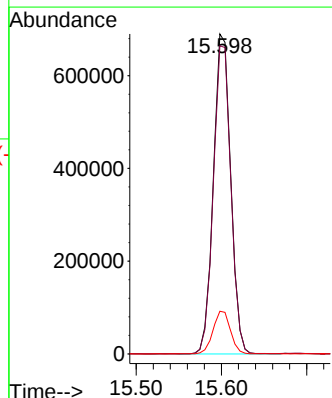
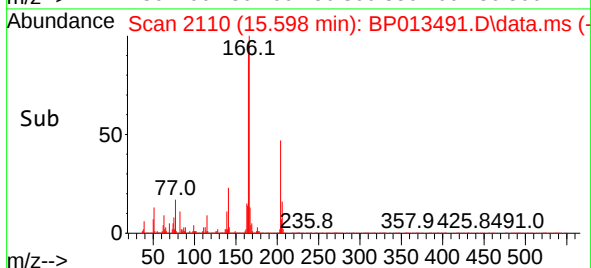
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

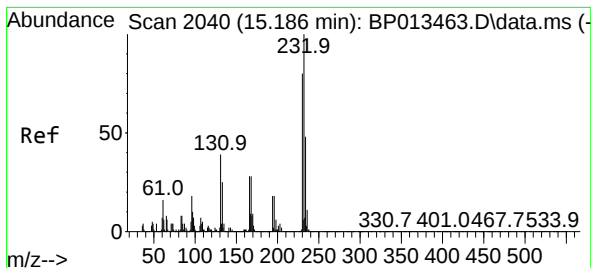


#58
Fluorene
Concen: 7.745 ng
RT: 15.598 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



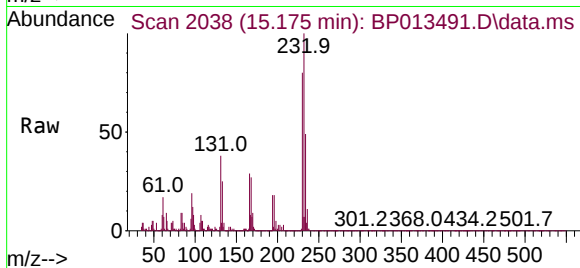
Tgt Ion:166 Resp: 973861
Ion Ratio Lower Upper
166 100
165 96.3 77.9 116.9
167 13.3 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.971 ng
RT: 15.175 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

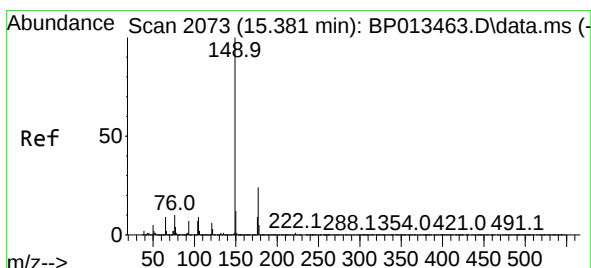
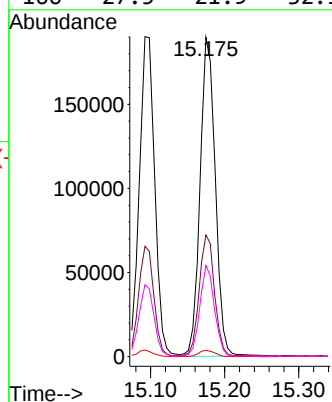
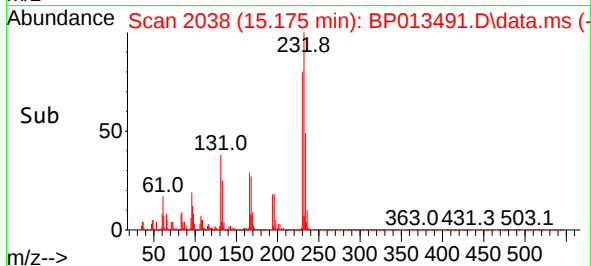
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:232 Resp: 270693
Ion Ratio Lower Upper
232 100
131 38.3 30.3 45.5
130 2.1 1.7 2.5
166 27.5 21.9 32.9

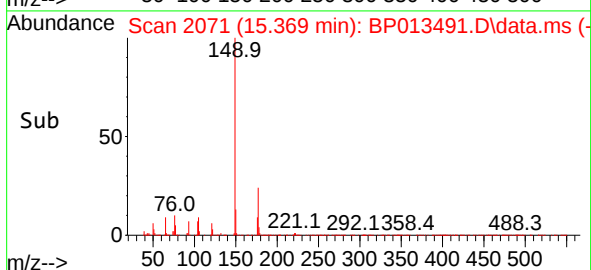
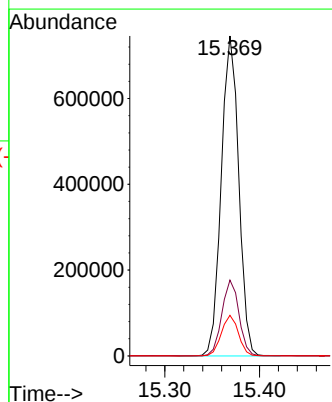
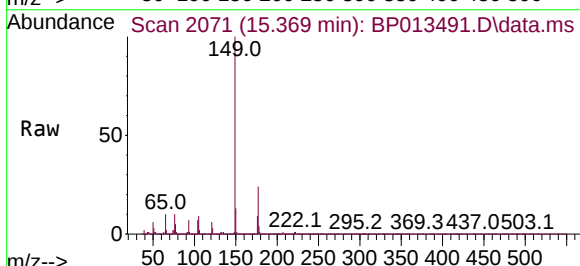
Manual Integrations
APPROVED

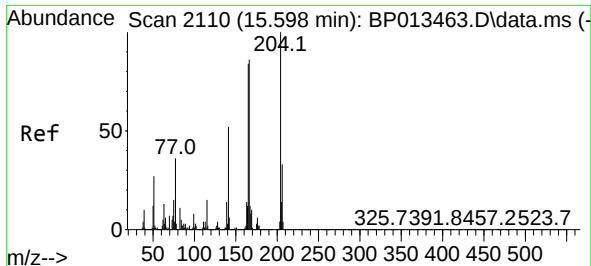
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#60
Diethylphthalate
Concen: 7.230 ng
RT: 15.369 min Scan# 2071
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

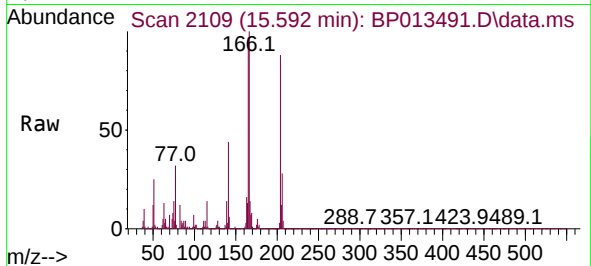
Tgt Ion:149 Resp: 952693
Ion Ratio Lower Upper
149 100
177 23.7 18.8 28.2
150 12.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.793 ng
RT: 15.592 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

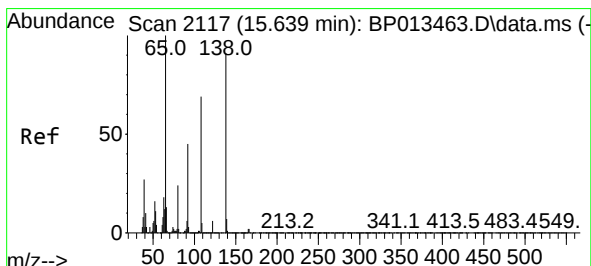
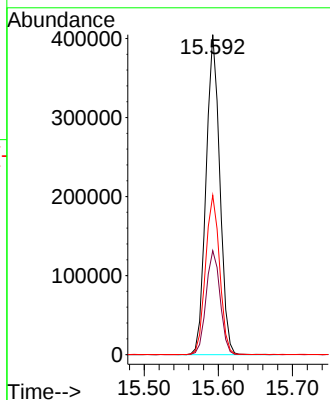
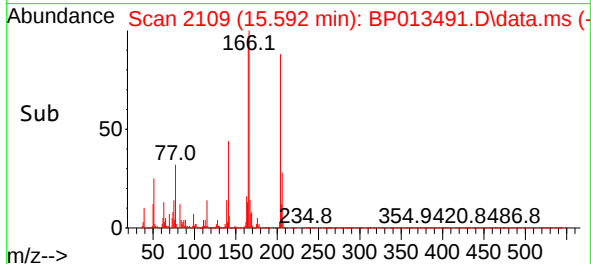
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



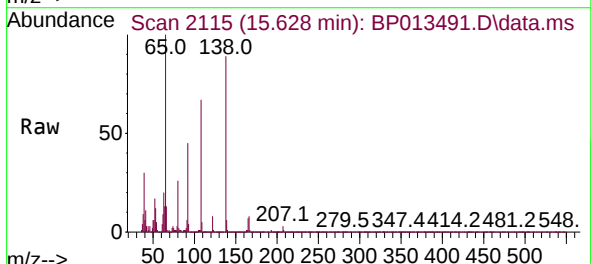
Tgt Ion:204 Resp: 520389
Ion Ratio Lower Upper
204 100
206 32.5 26.4 39.6
141 49.8 41.3 61.9

Manual Integrations
APPROVED

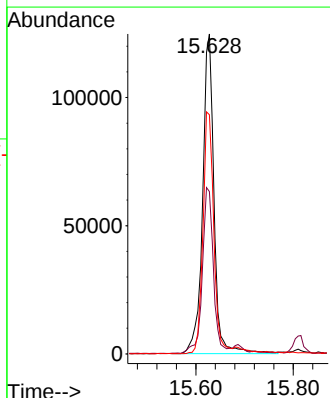
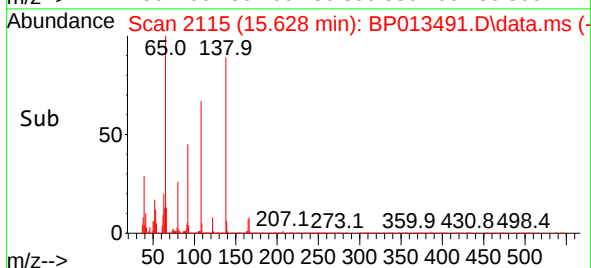
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

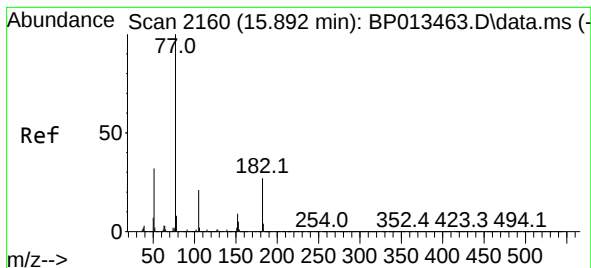


#62
4-Nitroaniline
Concen: 6.321 ng
RT: 15.628 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



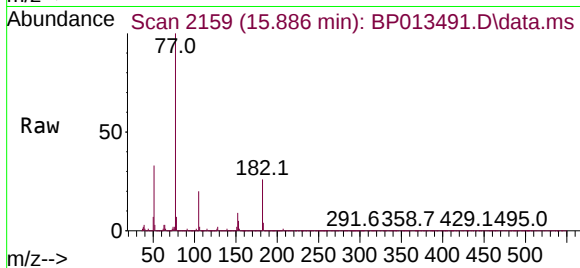
Tgt Ion:138 Resp: 203360
Ion Ratio Lower Upper
138 100
92 50.7 29.7 69.7
108 74.7 55.8 95.8





#63
Azobenzene
Concen: 7.310 ng
RT: 15.886 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

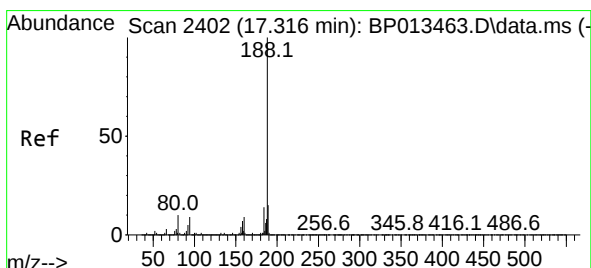
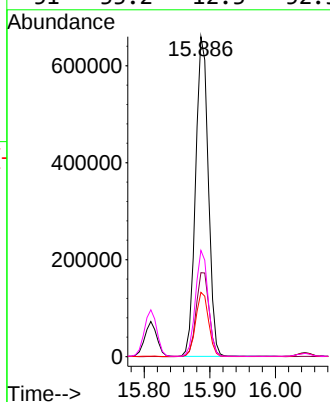
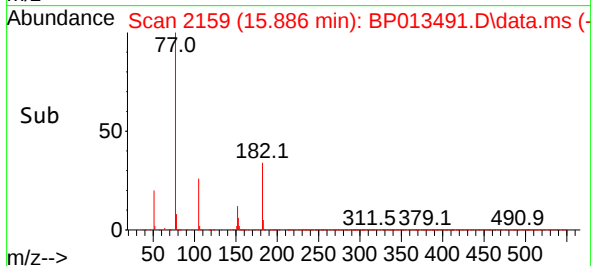
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



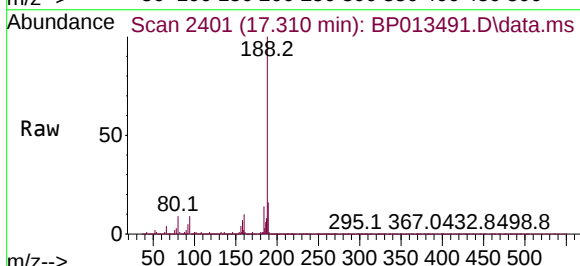
Tgt Ion: 77 Resp: 884382
Ion Ratio Lower Upper
77 100
182 26.2 7.0 47.0
105 20.1 1.0 41.0
51 33.2 12.3 52.3

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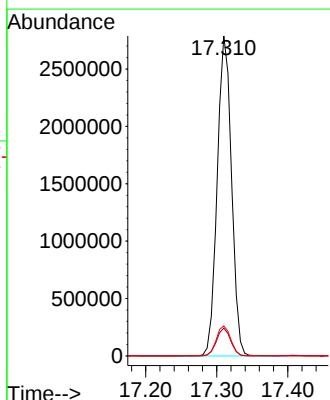
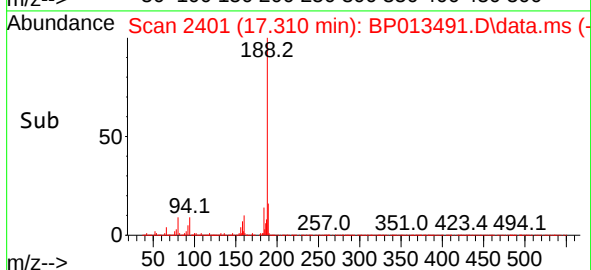
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

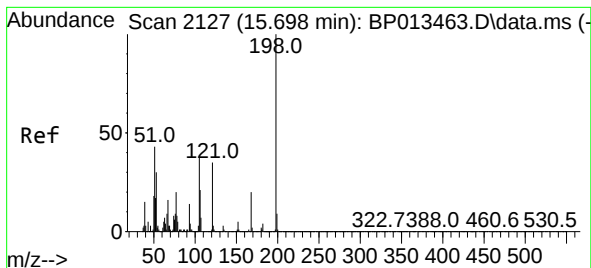


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



Tgt Ion:188 Resp: 3905537
Ion Ratio Lower Upper
188 100
94 8.7 7.1 10.7
80 9.4 7.9 11.9





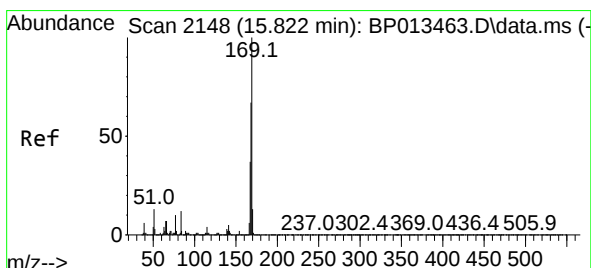
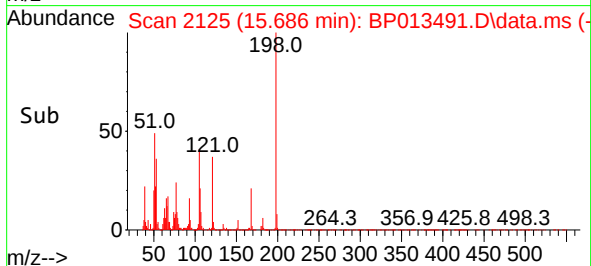
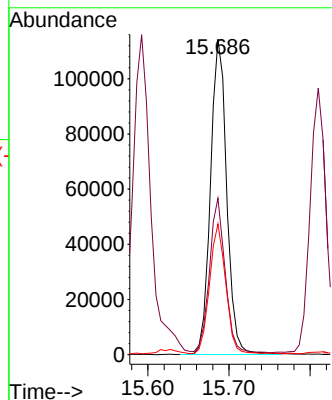
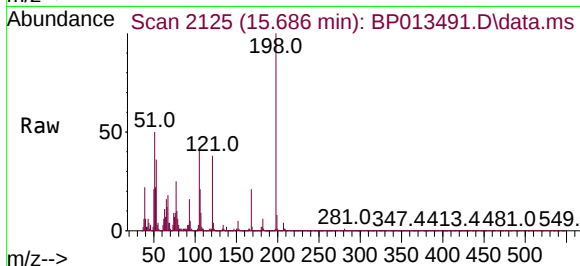
#65
4,6-Dinitro-2-methylphenol
Concen: 5.964 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

Tgt Ion:198 Resp: 159287
Ion Ratio Lower Upper
198 100
51 49.6 23.6 63.6
105 41.5 17.9 57.9

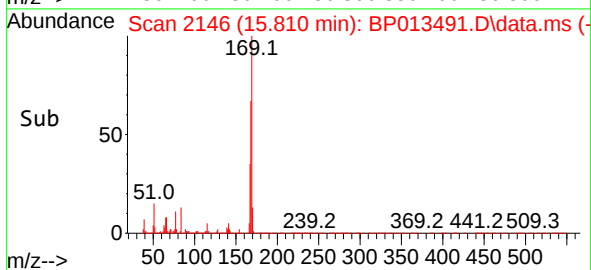
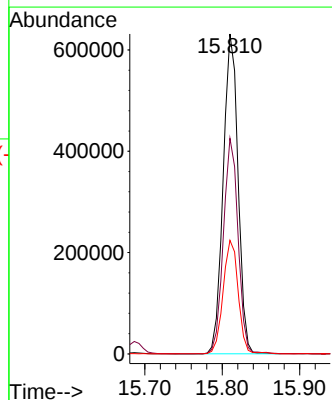
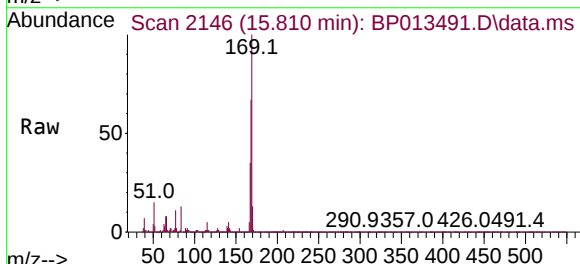
Manual Integrations
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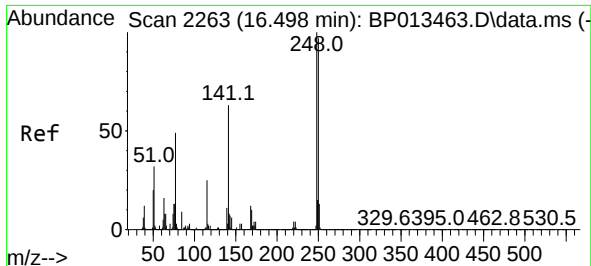
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#66
n-Nitrosodiphenylamine
Concen: 7.345 ng
RT: 15.810 min Scan# 2146
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:169 Resp: 842979
Ion Ratio Lower Upper
169 100
168 67.4 53.3 79.9
167 35.5 29.4 44.0





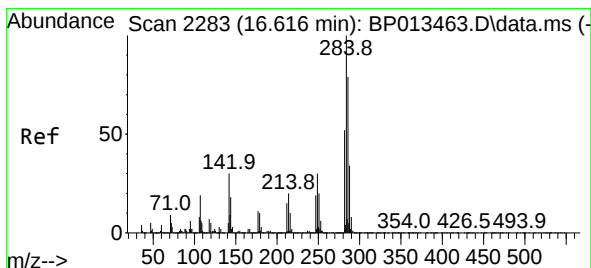
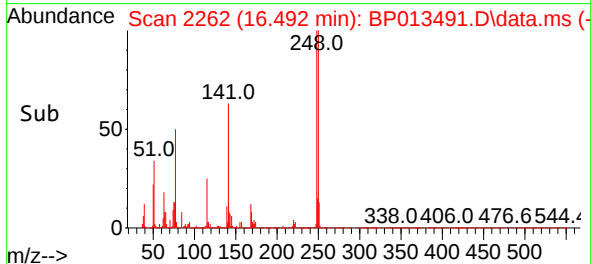
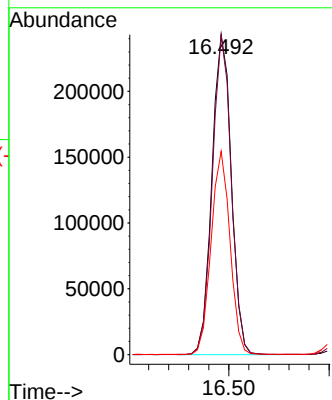
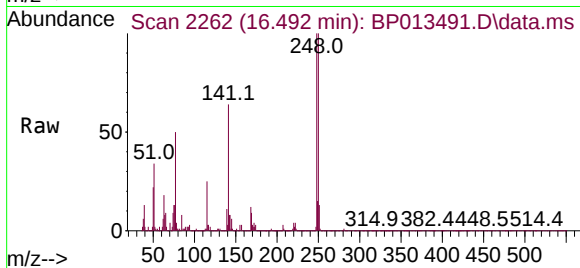
#67
4-Bromophenyl-phenylether
Concen: 7.262 ng
RT: 16.492 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

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

Tgt Ion:248 Resp: 326479
Ion Ratio Lower Upper
248 100
250 99.8 77.7 116.5
141 63.5 50.2 75.4

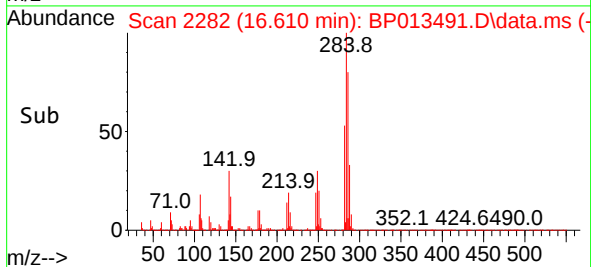
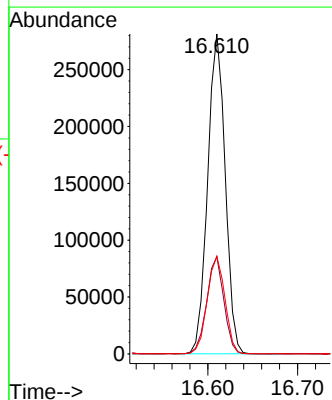
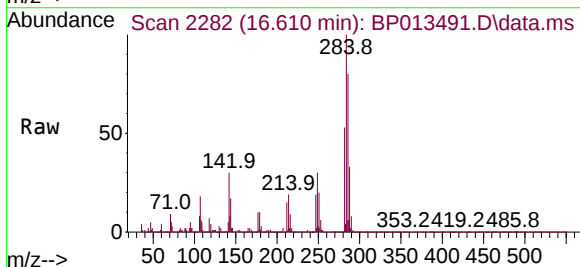
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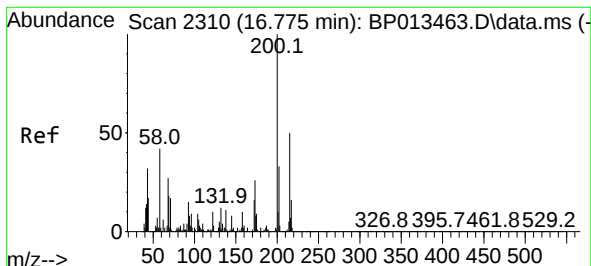
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#68
Hexachlorobenzene
Concen: 7.836 ng
RT: 16.610 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:284 Resp: 383641
Ion Ratio Lower Upper
284 100
142 30.4 23.9 35.9
249 30.5 24.1 36.1





#69

Atrazine

Concen: 7.592 ng

RT: 16.763 min Scan# 2310

Delta R.T. -0.012 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

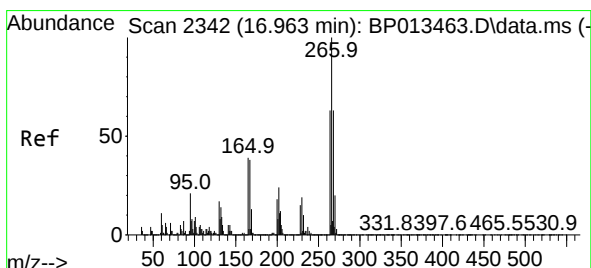
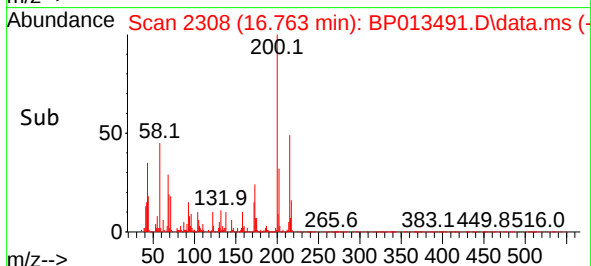
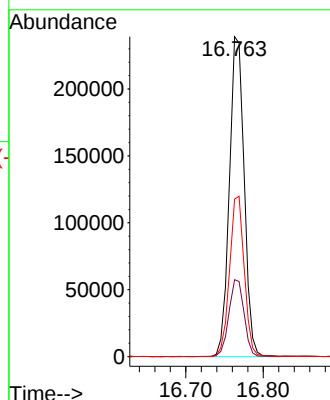
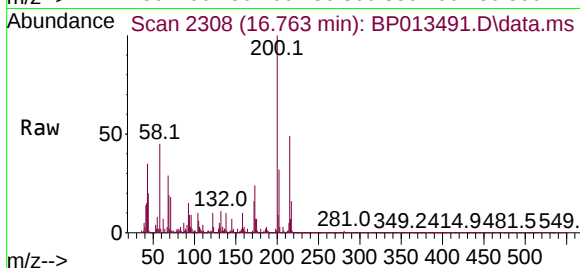
MDL-SOIL-03-QT2-2022

Tgt Ion:200 Resp: 319104
 Ion Ratio Lower Upper
 200 100
 173 24.0 5.9 45.9
 215 49.2 30.0 70.0

Manual Integrations

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



#70

Pentachlorophenol

Concen: 6.013 ng

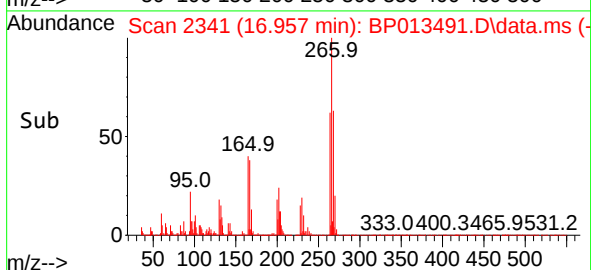
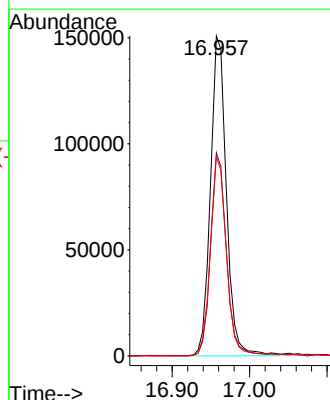
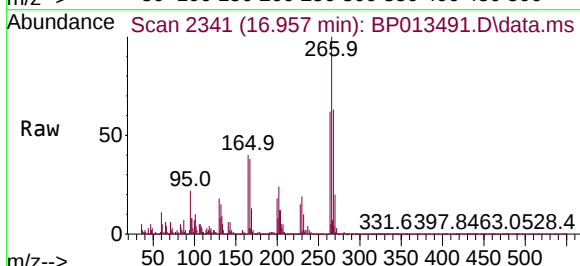
RT: 16.957 min Scan# 2341

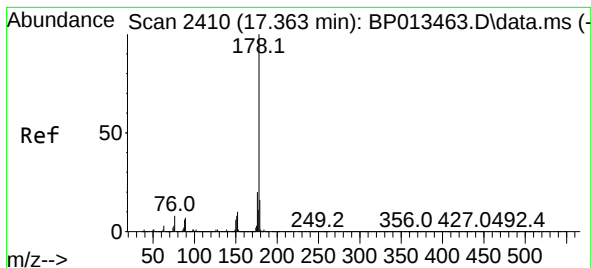
Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Tgt Ion:266 Resp: 215777
 Ion Ratio Lower Upper
 266 100
 268 63.5 50.7 76.1
 264 62.3 50.4 75.6





#71

Phenanthrene

Concen: 7.701 ng

RT: 17.351 min Scan# 2410

Delta R.T. -0.012 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:178 Resp: 1586852

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

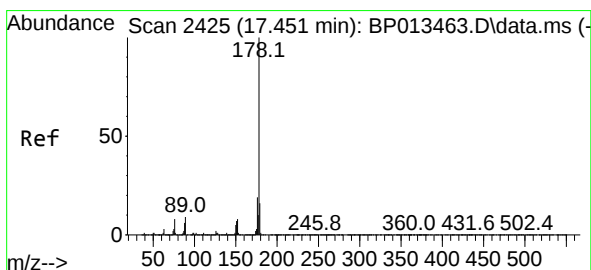
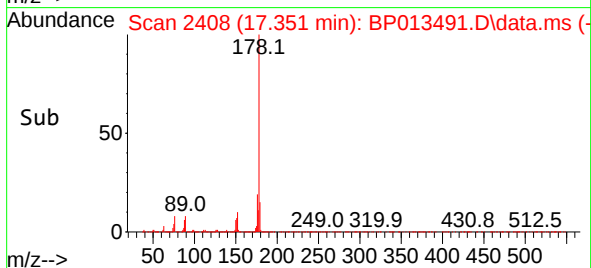
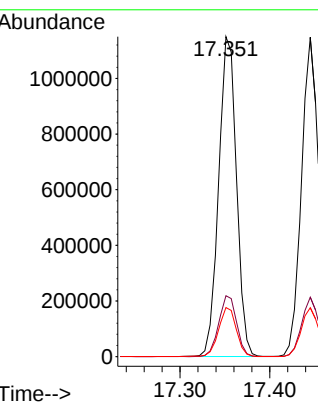
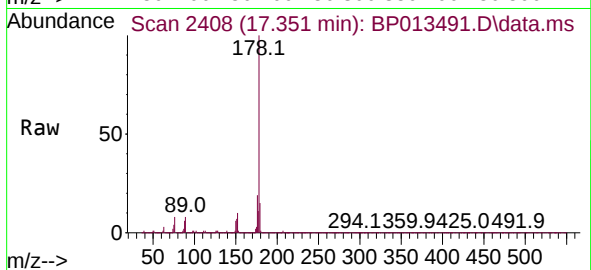
179 15.3 12.6 19.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#72

Anthracene

Concen: 7.421 ng

RT: 17.445 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

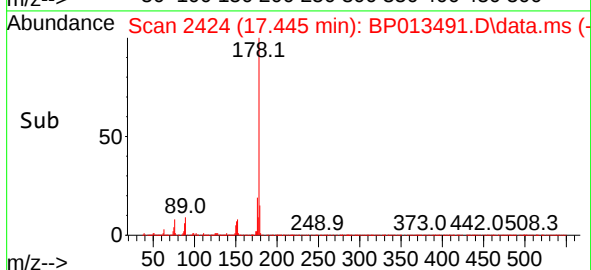
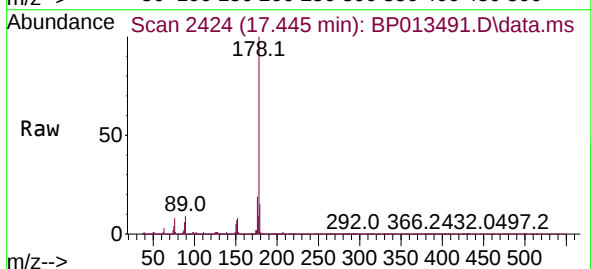
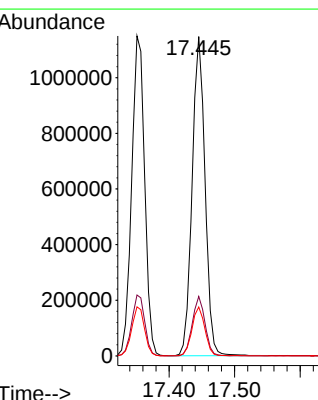
Tgt Ion:178 Resp: 1556122

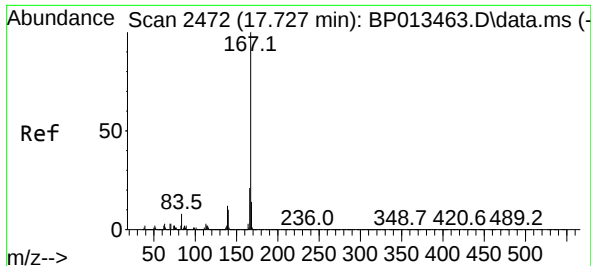
Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

179 15.3 12.6 18.8





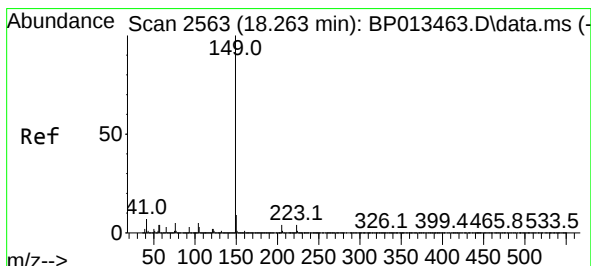
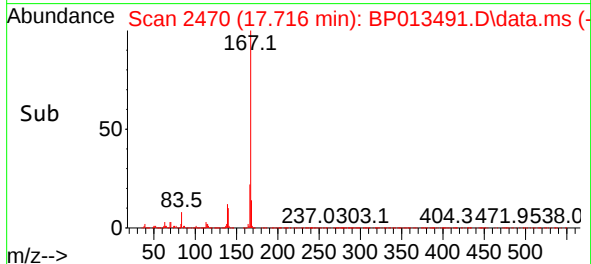
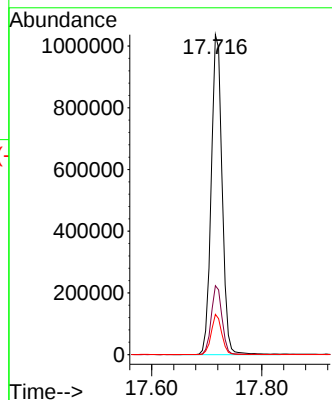
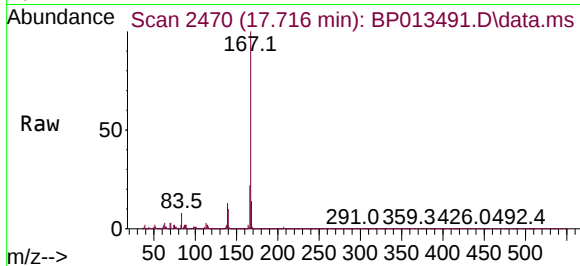
#73
 Carbazole
 Concen: 7.478 ng
 RT: 17.716 min Scan# 2472
 Delta R.T. -0.012 min
 Lab File: BP013491.D
 Acq: 17 Jan 2023 11:55

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

Tgt Ion:167 Resp: 142825
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.2 25.8
 139 12.6 9.9 14.9

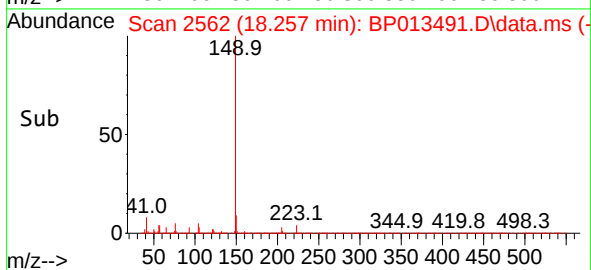
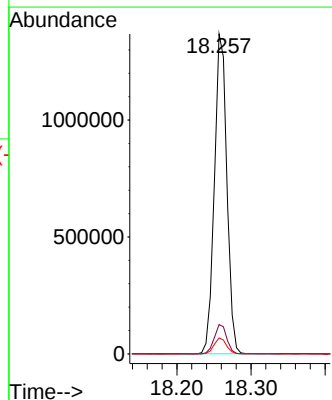
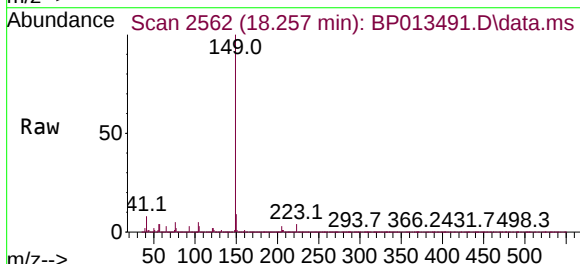
Manual Integrations
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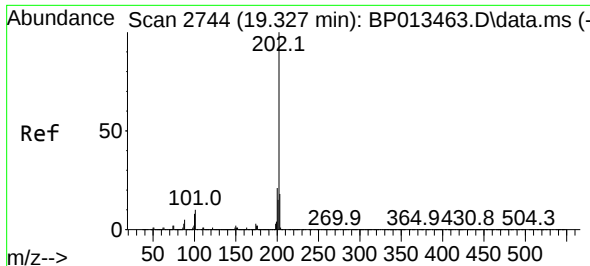
Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#74
 Di-n-butylphthalate
 Concen: 7.223 ng
 RT: 18.257 min Scan# 2562
 Delta R.T. -0.006 min
 Lab File: BP013491.D
 Acq: 17 Jan 2023 11:55

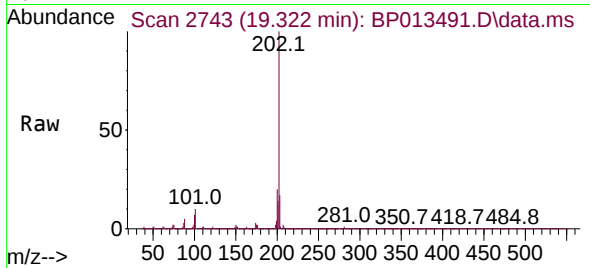
Tgt Ion:149 Resp: 1601113
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 7.698 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

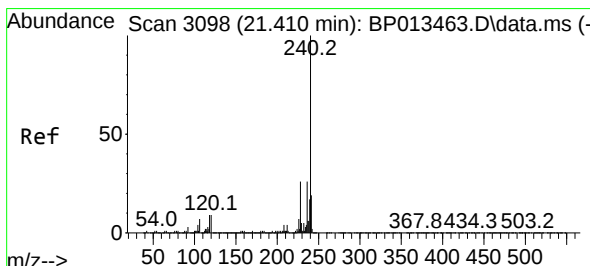
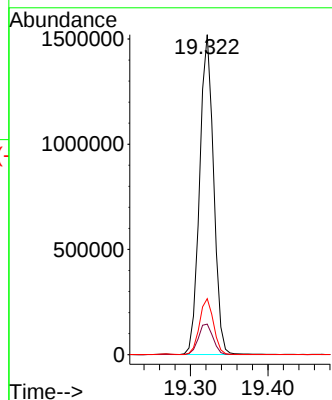
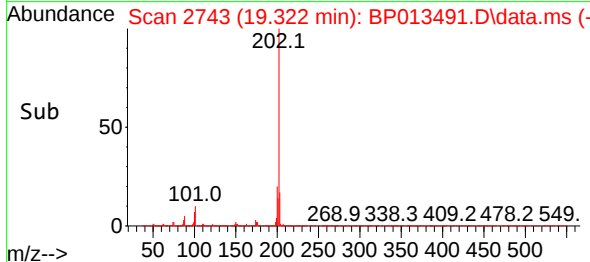
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:202 Resp: 190556
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.3
203 17.5 0.0 37.9

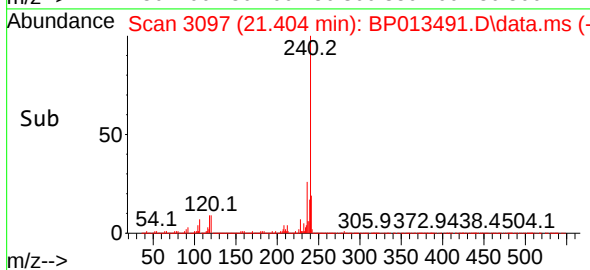
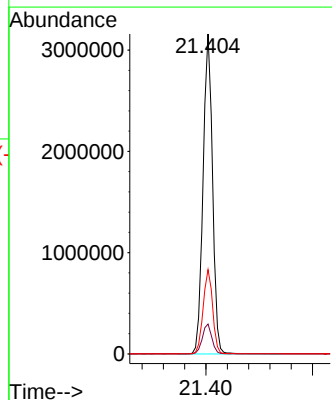
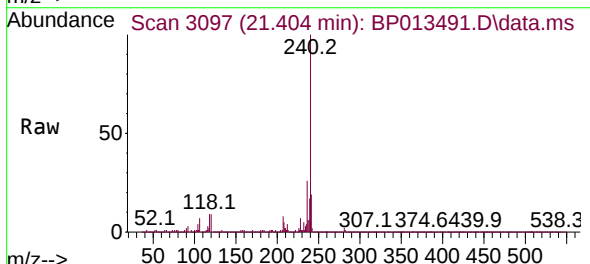
Manual Integrations
APPROVED

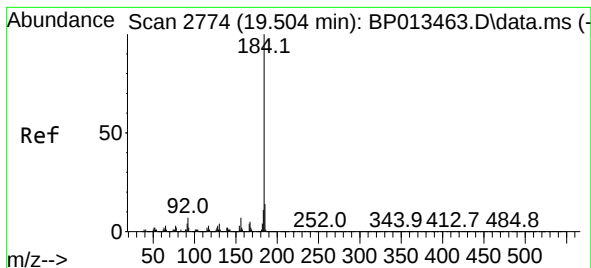
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:240 Resp: 3881013
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 26.3 21.2 31.8





#77

Benzidine

Concen: 8.149 ng

RT: 19.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

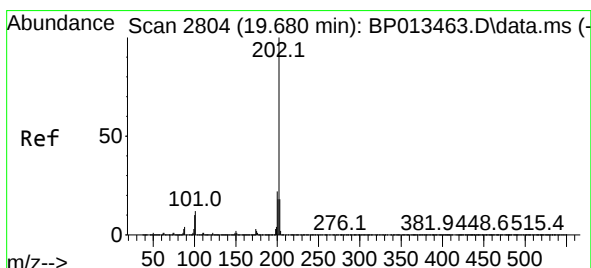
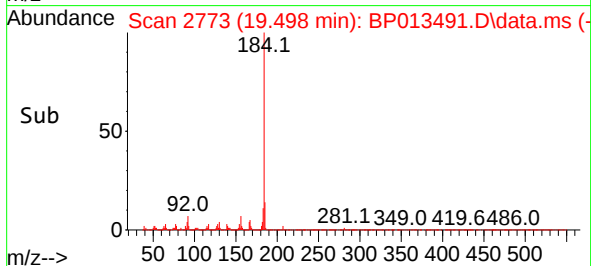
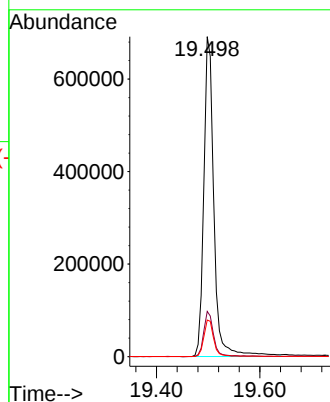
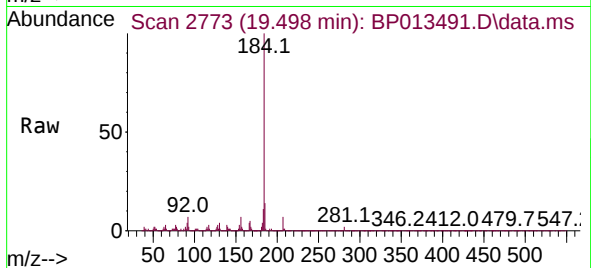
Tgt Ion:184 Resp: 93972

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	11.4	9.1	13.7

Manual Integrations

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



#78

Pyrene

Concen: 7.773 ng

RT: 19.674 min Scan# 2803

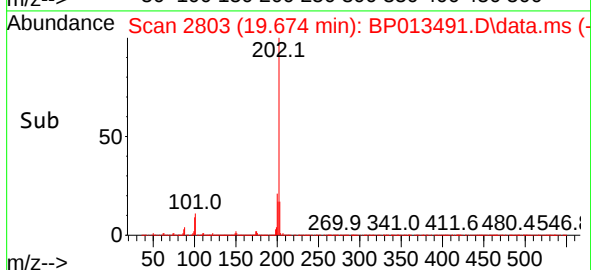
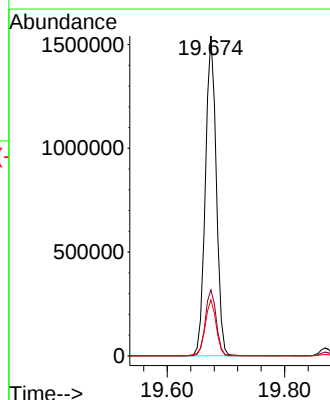
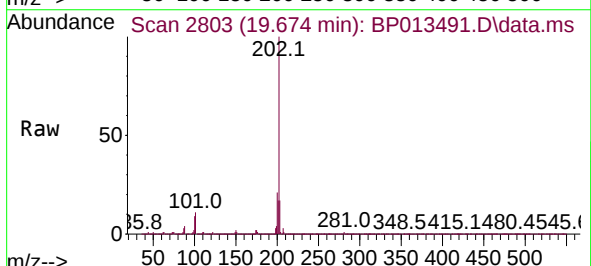
Delta R.T. -0.006 min

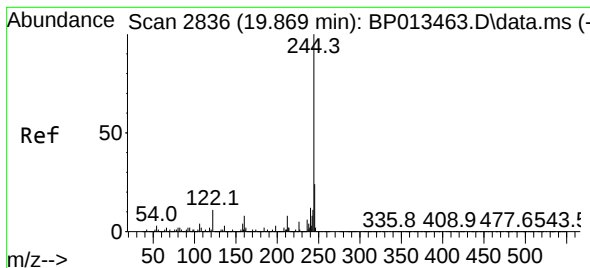
Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Tgt Ion:202 Resp: 1984010

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.5	14.6	21.8





#79

Terphenyl-d14

Concen: 64.747 ng

RT: 19.869 min Scan# 2836

Delta R.T. -0.000 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:244 Resp:12291197

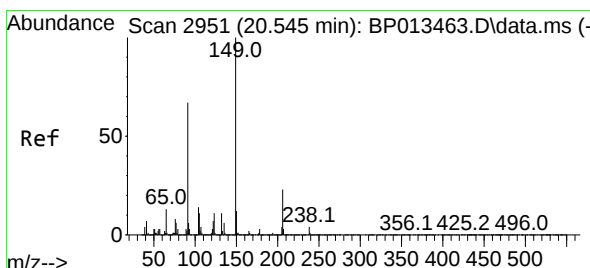
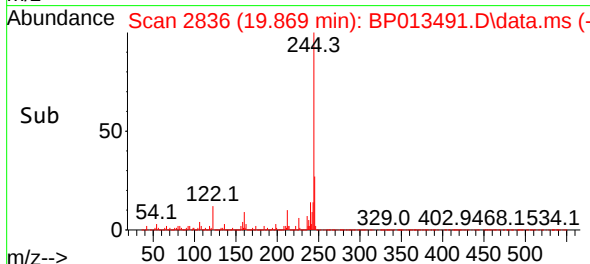
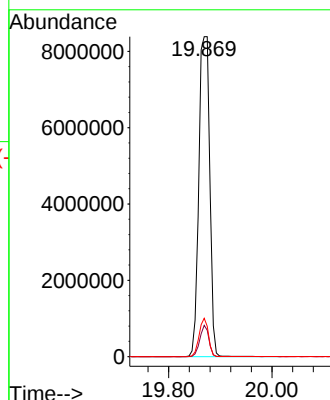
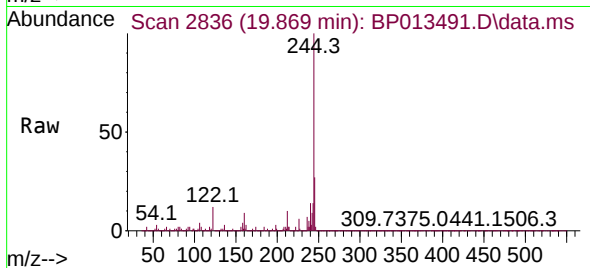
Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.8	10.2
122	12.0	8.8	13.2

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Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#80

Butylbenzylphthalate

Concen: 6.439 ng

RT: 20.539 min Scan# 2950

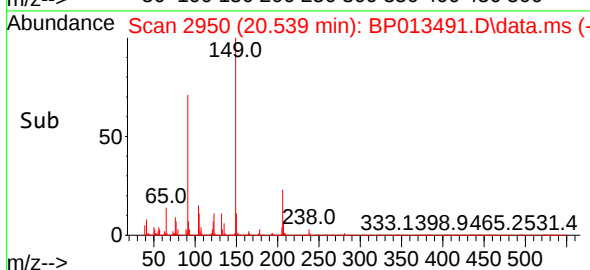
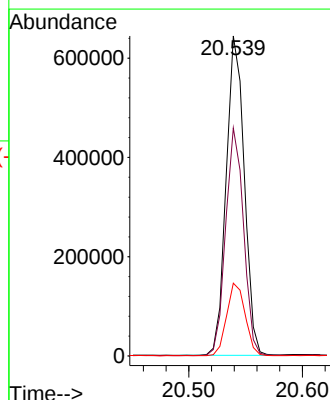
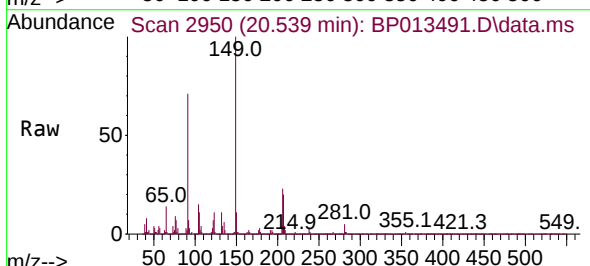
Delta R.T. -0.006 min

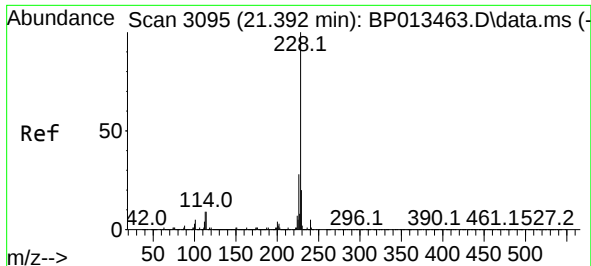
Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Tgt Ion:149 Resp: 710477

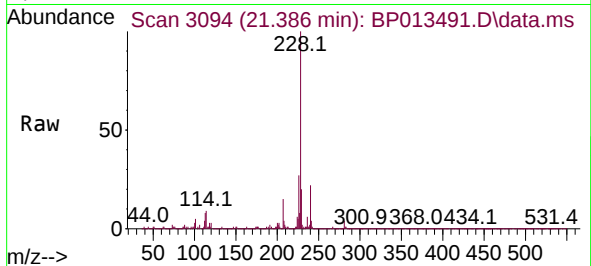
Ion	Ratio	Lower	Upper
149	100		
91	71.2	53.2	79.8
206	22.7	18.8	28.2





#81
Benzo(a)anthracene
Concen: 7.796 ng
RT: 21.386 min Scan# 3094
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

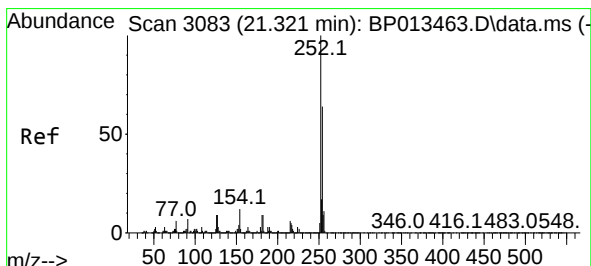
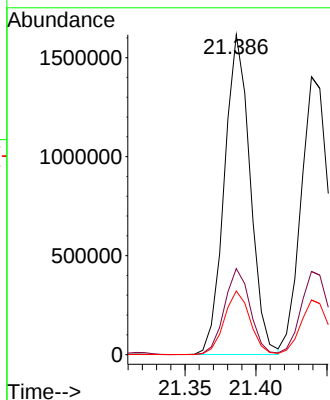
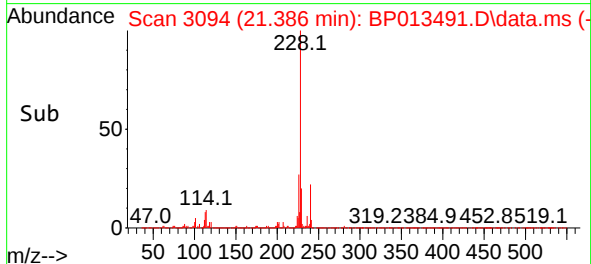
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



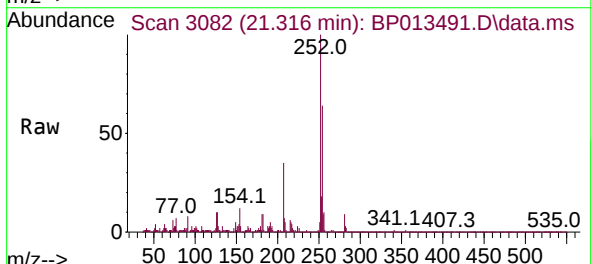
Tgt Ion:228 Resp: 2037539
Ion Ratio Lower Upper
228 100
226 26.9 22.6 34.0
229 19.9 16.4 24.6

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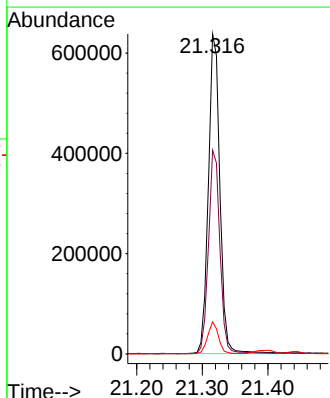
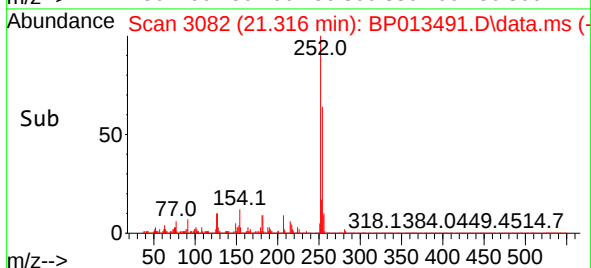
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

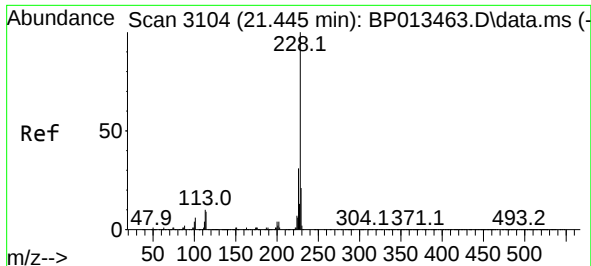


#82
3,3'-Dichlorobenzidine
Concen: 7.951 ng
RT: 21.316 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55



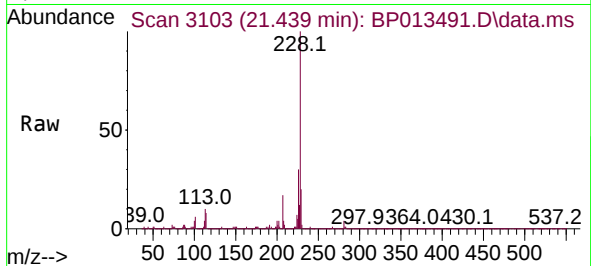
Tgt Ion:252 Resp: 776418
Ion Ratio Lower Upper
252 100
254 63.6 51.0 76.6
126 10.0 7.6 11.4





#83
Chrysene
Concen: 7.687 ng
RT: 21.439 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

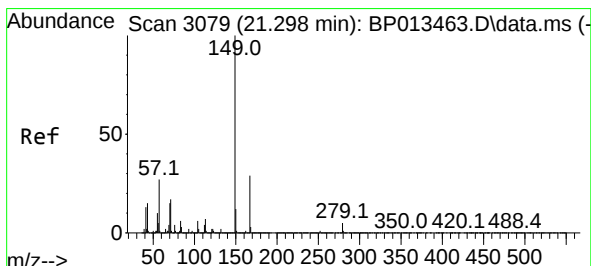
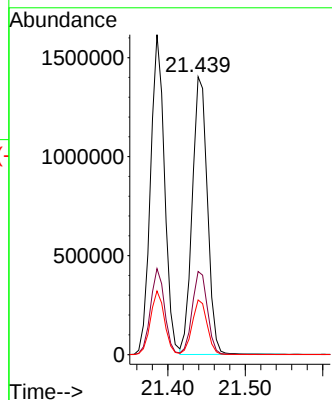
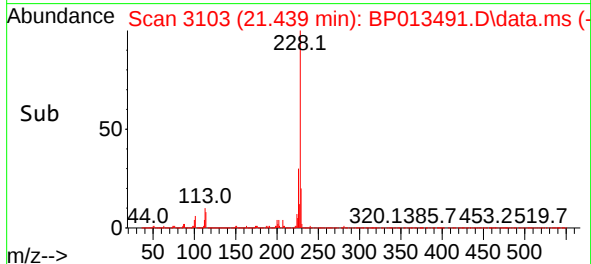
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:228 Resp: 1898225
Ion Ratio Lower Upper
228 100
226 29.9 25.1 37.7
229 19.7 16.5 24.7

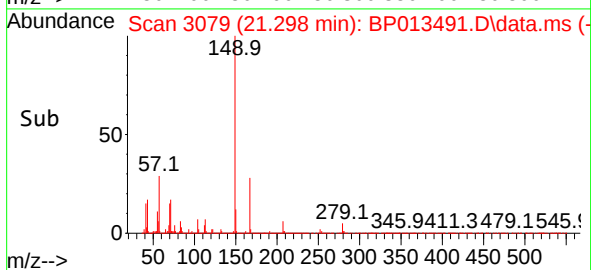
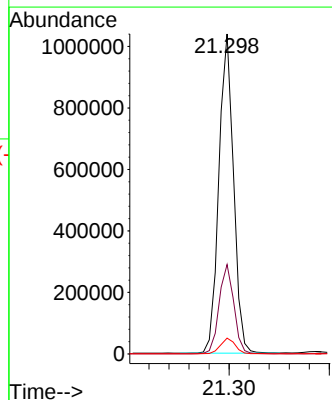
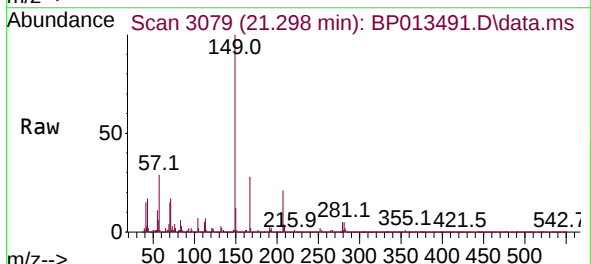
Manual Integrations
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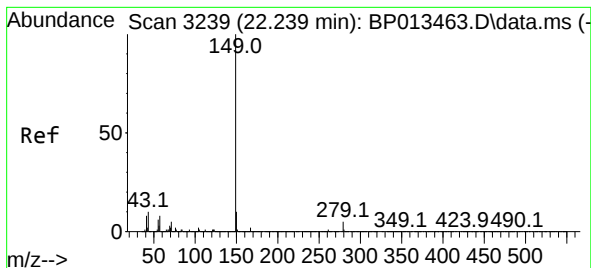
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.606 ng
RT: 21.298 min Scan# 3079
Delta R.T. 0.000 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

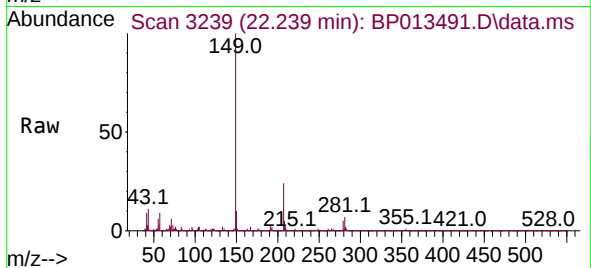
Tgt Ion:149 Resp: 1054748
Ion Ratio Lower Upper
149 100
167 27.9 23.0 34.4
279 4.9 3.9 5.9





#85
Di-n-octyl phthalate
Concen: 6.317 ng
RT: 22.239 min Scan# 3239
Delta R.T. 0.000 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

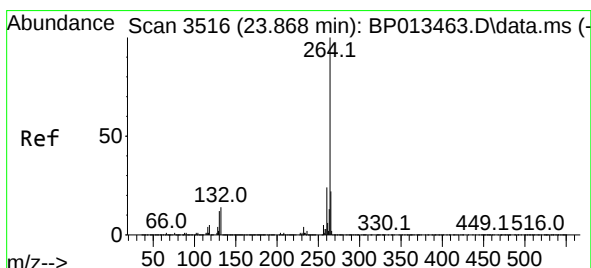
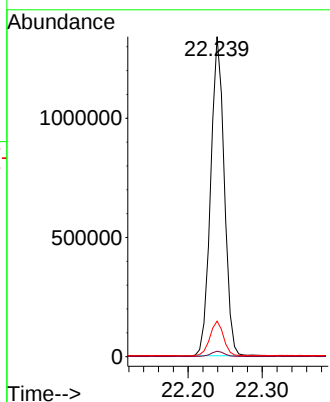
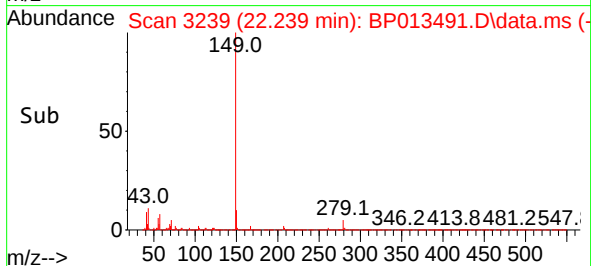
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:149 Resp: 1712418
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.8 7.9 11.9

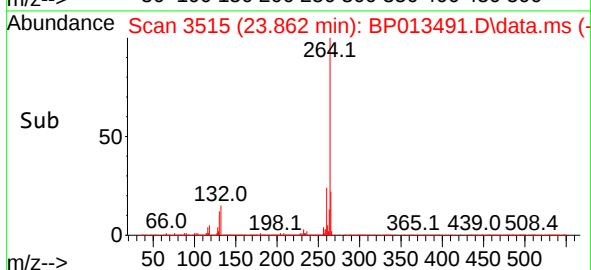
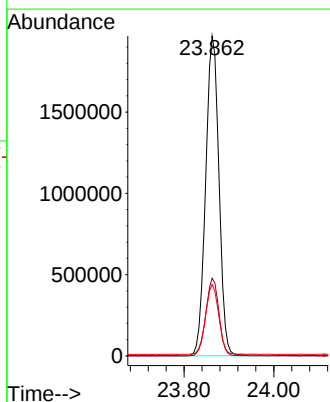
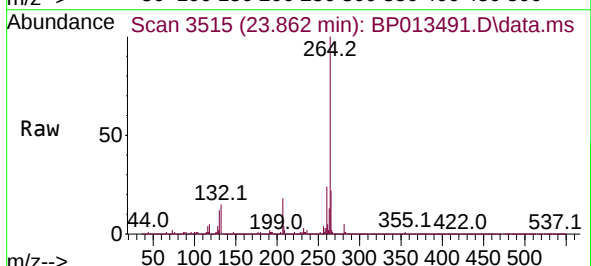
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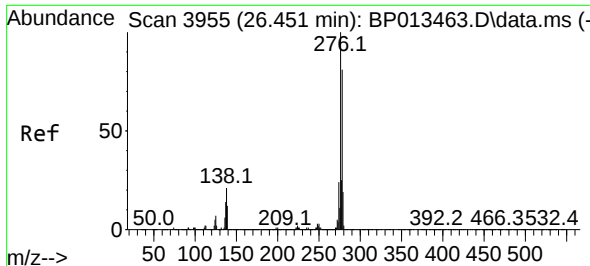
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.862 min Scan# 3515
Delta R.T. -0.006 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

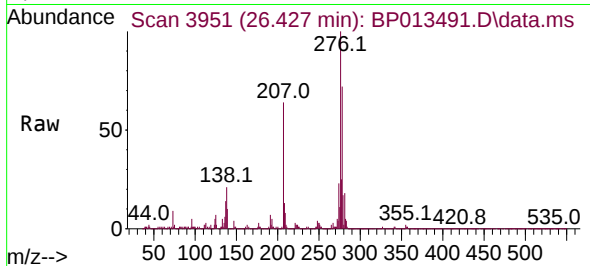
Tgt Ion:264 Resp: 4054930
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 22.3 18.1 27.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.360 ng
RT: 26.427 min Scan# 3955
Delta R.T. -0.024 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

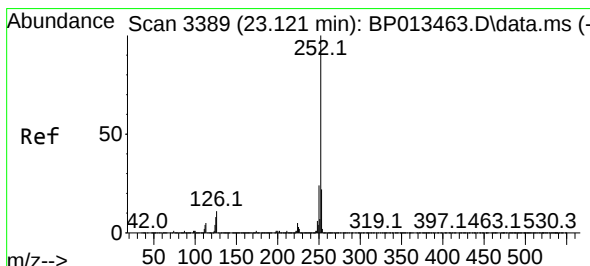
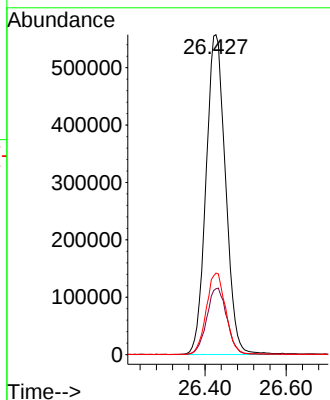
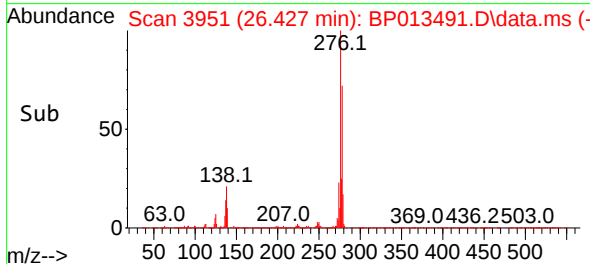
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:276 Resp: 1865050
Ion Ratio Lower Upper
276 100
138 21.2 17.0 25.4
277 25.4 20.4 30.6

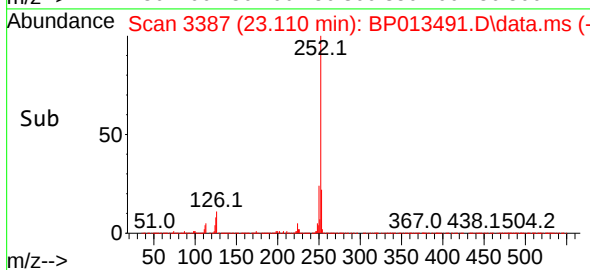
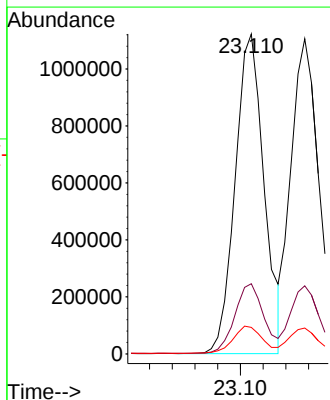
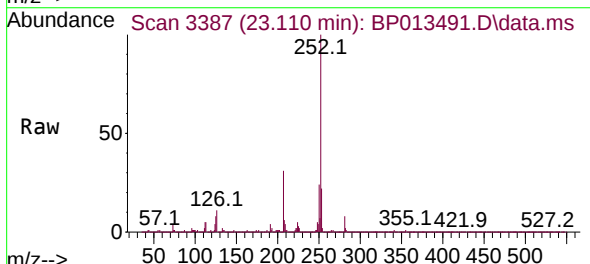
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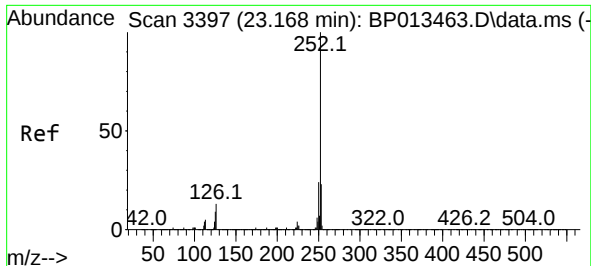
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#88
Benzo(b)fluoranthene
Concen: 8.224 ng
RT: 23.110 min Scan# 3387
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

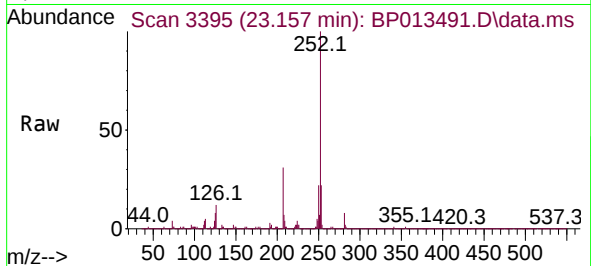
Tgt Ion:252 Resp: 1979928
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 8.3 6.7 10.1





#89
Benzo(k)fluoranthene
Concen: 8.109 ng
RT: 23.157 min Scan# 3397
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

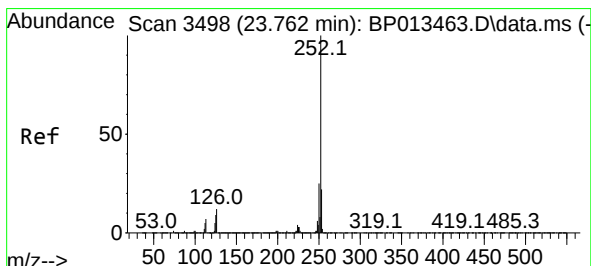
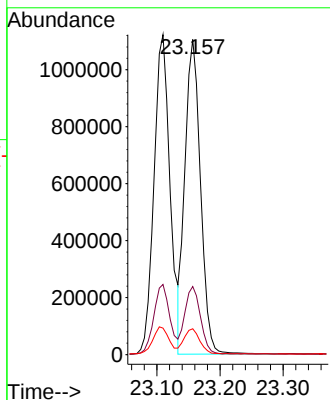
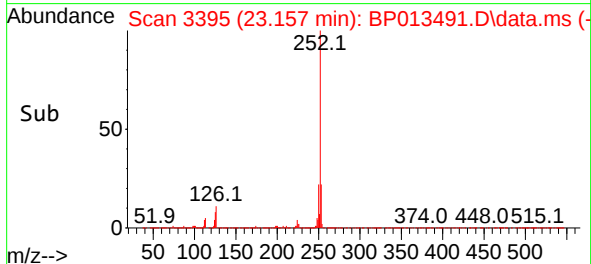
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:252 Resp: 1894844
Ion Ratio Lower Upper
252 100
253 21.6 18.1 27.1
125 8.2 6.9 10.3

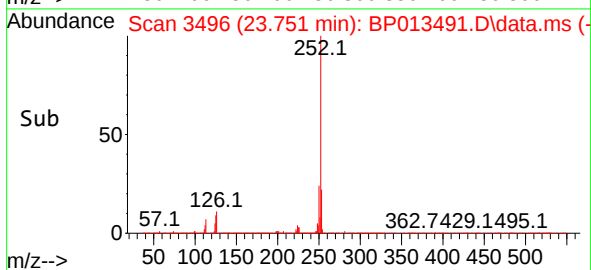
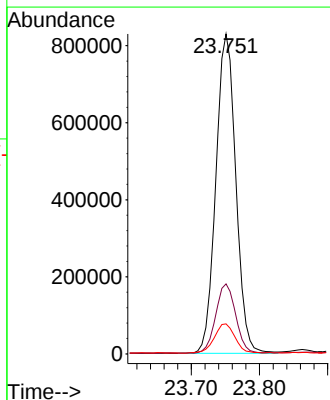
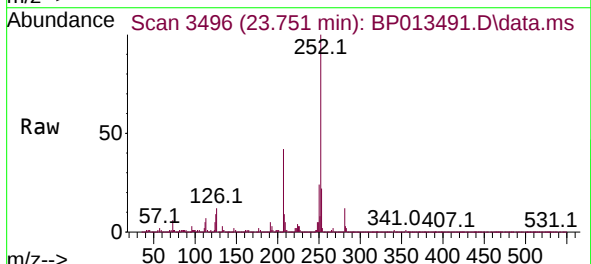
Manual Integrations
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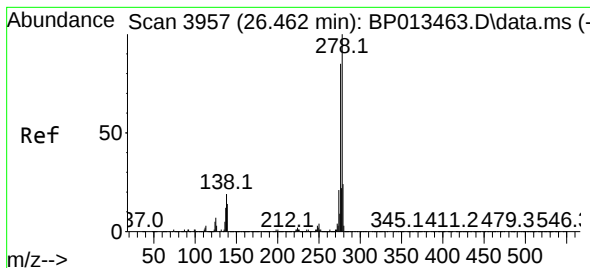
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#90
Benzo(a)pyrene
Concen: 7.100 ng
RT: 23.751 min Scan# 3496
Delta R.T. -0.012 min
Lab File: BP013491.D
Acq: 17 Jan 2023 11:55

Tgt Ion:252 Resp: 1679216
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 9.4 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 6.649 ng

RT: 26.445 min Scan# 3957

Delta R.T. -0.018 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:278 Resp: 1623320

Ion Ratio Lower Upper

278 100

139 13.8 11.1 16.7

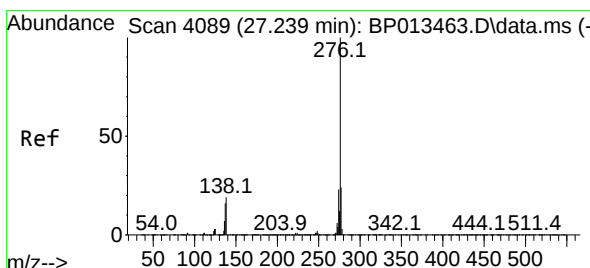
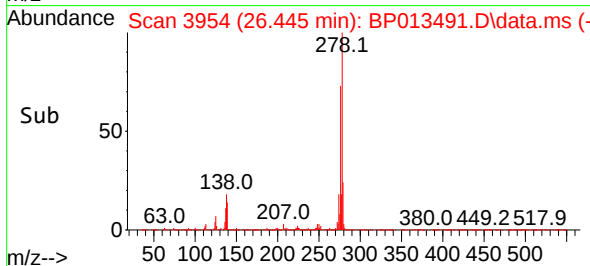
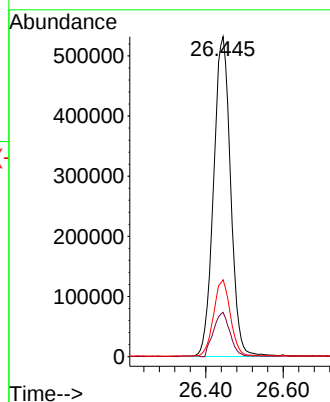
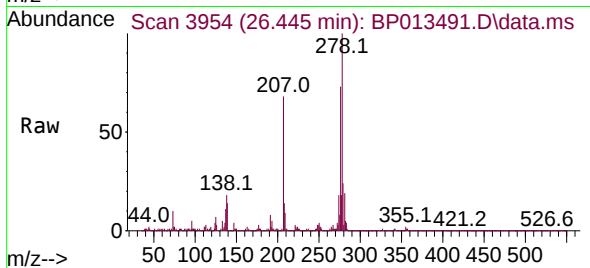
279 24.0 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#92

Benzo(g,h,i)perylene

Concen: 6.508 ng

RT: 27.215 min Scan# 4085

Delta R.T. -0.024 min

Lab File: BP013491.D

Acq: 17 Jan 2023 11:55

Tgt Ion:276 Resp: 1567769

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 17.2 15.3 22.9

