

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011623\
 Data File : BP013479.D
 Acq On : 16 Jan 2023 13:35
 Operator : CG/JU
 Sample : N3214-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jan 17 03:43:49 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 01/17/2023
 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	474128	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1948144	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	1340388	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	3129511	20.000	ng	0.00
76) Chrysene-d12	21.410	240	3280409	20.000	ng	0.00
86) Perylene-d12	23.874	264	3861746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	2985647	110.617	ng	0.00
7) Phenol-d6	7.075	99	4088697	107.167	ng	0.00
23) Nitrobenzene-d5	9.081	82	2754635	75.122	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	2396337	114.532	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	7084139	77.260	ng	0.00
79) Terphenyl-d14	19.874	244	11634676	72.510	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	102877	9.720	ng	99
3) Pyridine	3.752	79	273663	8.294	ng	100
4) n-Nitrosodimethylamine	3.658	42	149919	9.475	ng	# 99
6) Aniline	7.234	93	453367	8.893	ng	99
8) 2-Chlorophenol	7.469	128	290212	9.291	ng	99
9) Benzaldehyde	7.046	77	261048m	11.335	ng	
10) Phenol	7.099	94	363567	9.232	ng	97
11) bis(2-Chloroethyl)ether	7.328	93	297387	9.316	ng	98
12) 1,3-Dichlorobenzene	7.793	146	326376	9.917	ng	98
13) 1,4-Dichlorobenzene	7.946	146	335315	9.998	ng	99
14) 1,2-Dichlorobenzene	8.263	146	324508	9.904	ng	99
15) Benzyl Alcohol	8.152	79	255614	8.695	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.434	45	477903	9.677	ng	100
17) 2-Methylphenol	8.352	107	244482	8.386	ng	99
18) Hexachloroethane	8.987	117	114174	9.612	ng	96
19) n-Nitroso-di-n-propyla...	8.716	70	251195	9.224	ng	98
20) 3+4-Methylphenols	8.681	107	336916	8.318	ng	99
22) Acetophenone	8.740	105	481090	9.643	ng	# 99
24) Nitrobenzene	9.122	77	359633	9.482	ng	99
25) Isophorone	9.646	82	691022	9.155	ng	99
26) 2-Nitrophenol	9.834	139	161569	8.617	ng	99
27) 2,4-Dimethylphenol	9.893	122	258802	8.385	ng	98
28) bis(2-Chloroethoxy)met...	10.128	93	422947	9.501	ng	100
29) 2,4-Dichlorophenol	10.369	162	294024	9.078	ng	99
30) 1,2,4-Trichlorobenzene	10.581	180	325837	9.506	ng	98
31) Naphthalene	10.769	128	970632	9.422	ng	99
32) Benzoic acid	9.981	122	199471m	7.748	ng	
33) 4-Chloroaniline	10.887	127	413833	8.794	ng	99
34) Hexachlorobutadiene	11.051	225	216017	9.998	ng	99
35) Caprolactam	11.669	113	103486	8.967	ng	99
36) 4-Chloro-3-methylphenol	12.004	107	316461	8.966	ng	99
37) 2-Methylnaphthalene	12.381	142	710127	9.182	ng	100
38) 1-Methylnaphthalene	12.598	142	679673	9.316	ng	100
40) 1,2,4,5-Tetrachloroben...	12.745	216	414983	9.446	ng	99
41) Hexachlorocyclopentadiene	12.722	237	202956	8.860	ng	97
43) 2,4,6-Trichlorophenol	12.987	196	271211	8.978	ng	97

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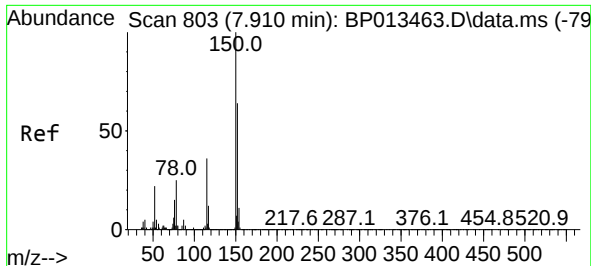
Quant Time: Jan 17 03:43:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
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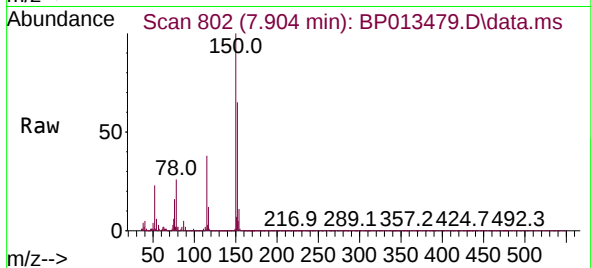
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	296192	8.356	ng	99
46) 1,1'-Biphenyl	13.387	154	991753	9.786	ng	98
47) 2-Chloronaphthalene	13.434	162	749029	9.637	ng	99
48) 2-Nitroaniline	13.639	65	213402	8.341	ng	93
49) Acenaphthylene	14.281	152	1171243	9.138	ng	99
50) Dimethylphthalate	14.010	163	986395	9.280	ng	100
51) 2,6-Dinitrotoluene	14.134	165	206555	8.909	ng	98
52) Acenaphthene	14.622	154	714796	9.422	ng	99
53) 3-Nitroaniline	14.469	138	203714	8.212	ng	97
54) 2,4-Dinitrophenol	14.681	184	115225	7.314	ng	98
55) Dibenzofuran	14.957	168	1190153	9.462	ng	99
56) 4-Nitrophenol	14.775	139	163464	8.201	ng	92
57) 2,4-Dinitrotoluene	14.928	165	272369	8.590	ng	99
58) Fluorene	15.604	166	962189	9.694	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.181	232	267992	8.743	ng	99
60) Diethylphthalate	15.375	149	959346	9.224	ng	100
61) 4-Chlorophenyl-phenyle...	15.598	204	515506	9.779	ng	99
62) 4-Nitroaniline	15.633	138	206804	8.143	ng	98
63) Azobenzene	15.892	77	876048	9.173	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	162708	7.602	ng	96
66) n-Nitrosodiphenylamine	15.816	169	849249	9.235	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	323349	8.975	ng	99
68) Hexachlorobenzene	16.616	284	382528	9.750	ng	100
69) Atrazine	16.775	200	327307	9.718	ng	98
70) Pentachlorophenol	16.963	266	216066	7.515	ng	97
71) Phenanthrene	17.357	178	1576906	9.550	ng	99
72) Anthracene	17.451	178	1580371	9.406	ng	99
73) Carbazole	17.722	167	1451042	9.482	ng	100
74) Di-n-butylphthalate	18.263	149	1635100	9.205	ng	100
75) Fluoranthene	19.327	202	1940349	9.783	ng	99
77) Benzidine	19.510	184	1130980	11.603	ng	99
78) Pyrene	19.680	202	2040681	9.458	ng	98
80) Butylbenzylphthalate	20.545	149	775693	8.317	ng	95
81) Benzo(a)anthracene	21.392	228	2159470	9.775	ng	97
82) 3,3'-Dichlorobenzidine	21.321	252	863295	10.459	ng	99
83) Chrysene	21.445	228	2033845	9.744	ng	97
84) Bis(2-ethylhexyl)phtha...	21.304	149	1185187	8.781	ng	98
85) Di-n-octyl phthalate	22.245	149	2068773	9.029	ng	98
87) Indeno(1,2,3-cd)pyrene	26.445	276	2532841	9.069	ng	100
88) Benzo(b)fluoranthene	23.115	252	2228114	9.717	ng	99
89) Benzo(k)fluoranthene	23.163	252	2237038	10.052	ng	99
90) Benzo(a)pyrene	23.762	252	1990062	8.835	ng	99
91) Dibenzo(a,h)anthracene	26.462	278	2211645	9.511	ng	99
92) Benzo(g,h,i)perylene	27.239	276	2178836	9.496	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: BP013479.D
Acq: 16 Jan 2023 13:35

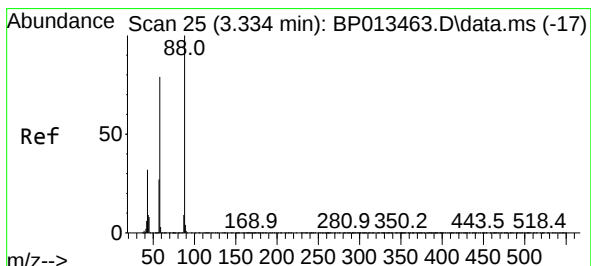
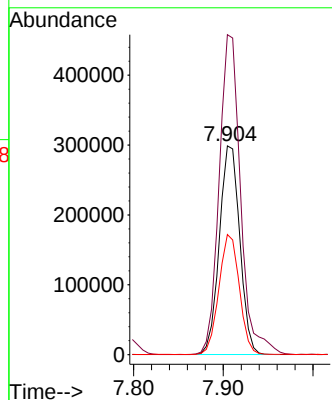
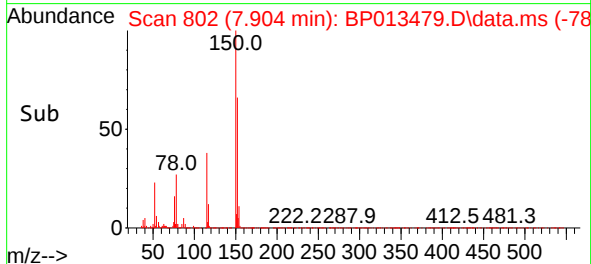
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:152 Resp: 474128
Ion Ratio Lower Upper
152 100
150 153.4 125.7 188.5
115 57.5 45.8 68.8

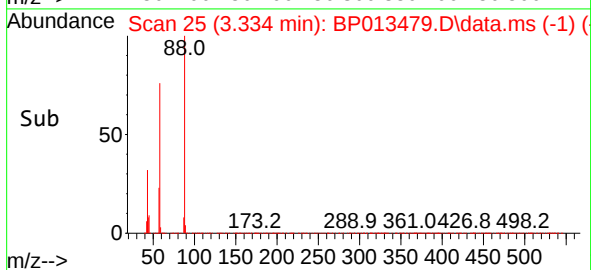
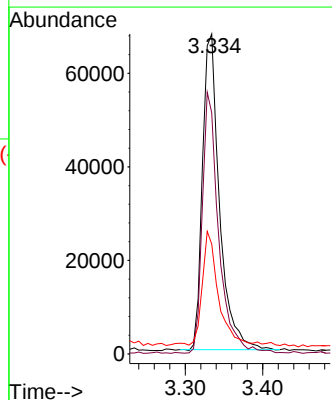
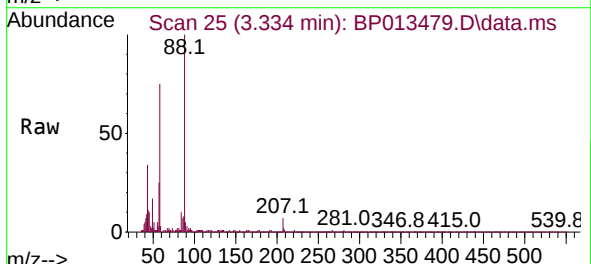
Manual Integrations
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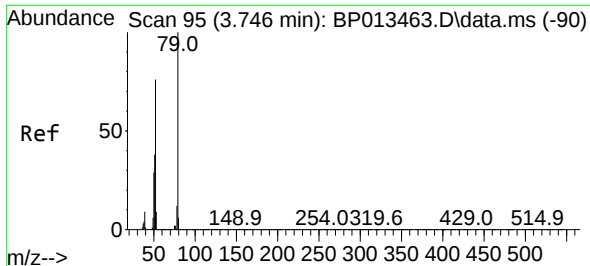
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#2
1,4-Dioxane
Concen: 9.720 ng
RT: 3.334 min Scan# 25
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

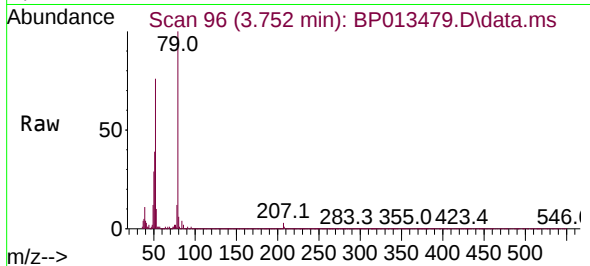
Tgt Ion: 88 Resp: 102877
Ion Ratio Lower Upper
88 100
58 79.8 63.4 95.0
43 33.6 26.2 39.4





#3
 Pyridine
 Concen: 8.294 ng
 RT: 3.752 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: BP013479.D
 Acq: 16 Jan 2023 13:35

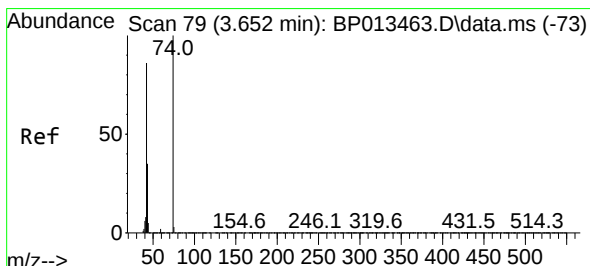
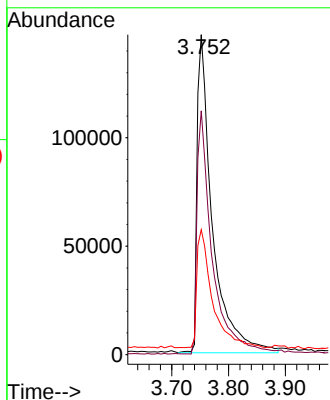
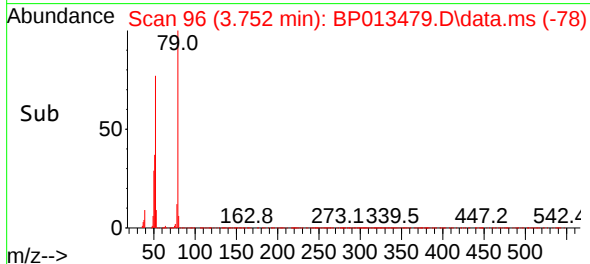
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 LOQ-SOIL-02-QT2-2022



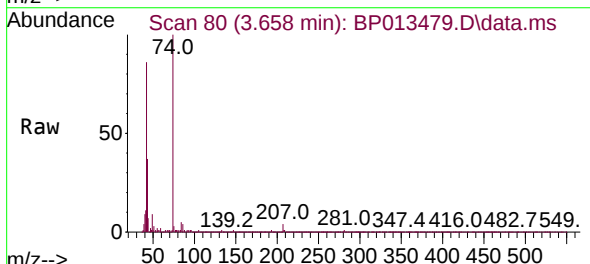
Tgt Ion: 79 Resp: 273663
 Ion Ratio Lower Upper
 79 100
 52 76.2 60.6 91.0
 51 39.0 31.0 46.4

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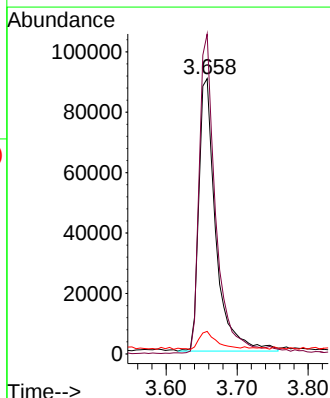
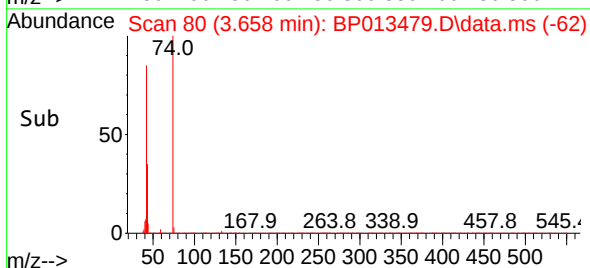
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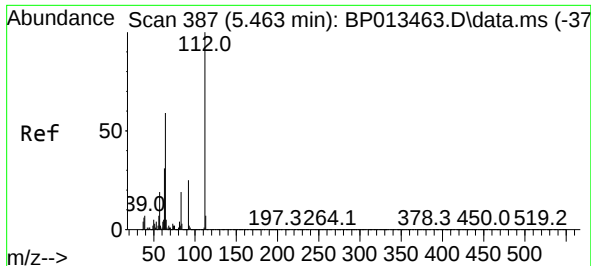


#4
 n-Nitrosodimethylamine
 Concen: 9.475 ng
 RT: 3.658 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: BP013479.D
 Acq: 16 Jan 2023 13:35



Tgt Ion: 42 Resp: 149919
 Ion Ratio Lower Upper
 42 100
 74 116.2 93.3 139.9
 44 8.2 5.1 7.7#





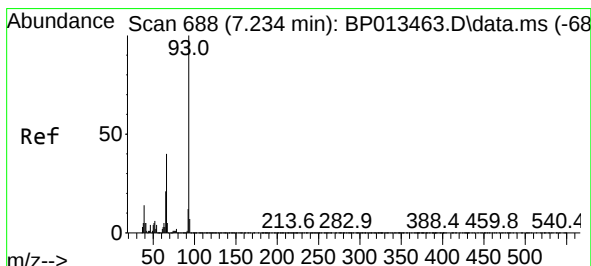
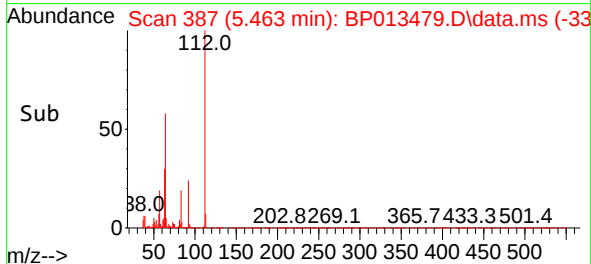
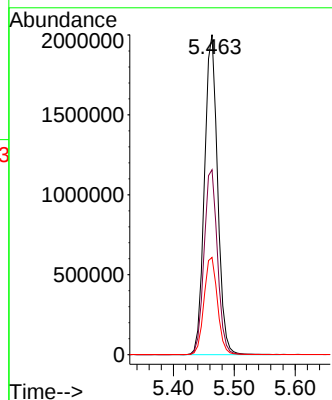
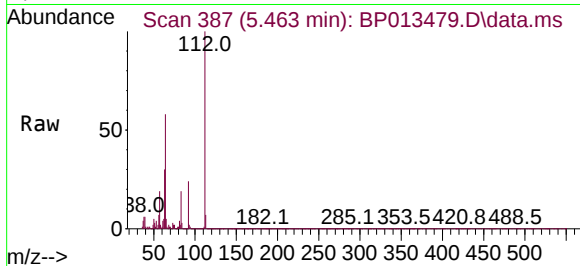
#5
2-Fluorophenol
Concen: 110.617 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:112 Resp: 298564
Ion Ratio Lower Upper
112 100
64 57.8 47.5 71.3
63 30.4 25.0 37.4

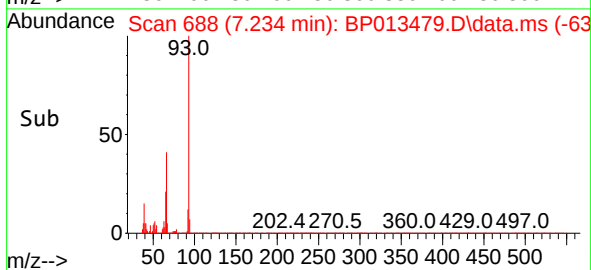
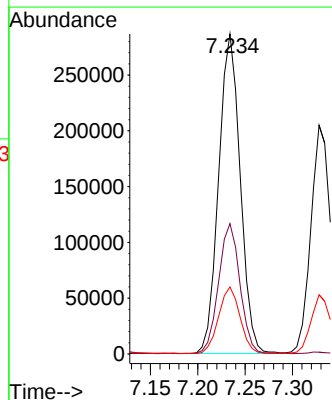
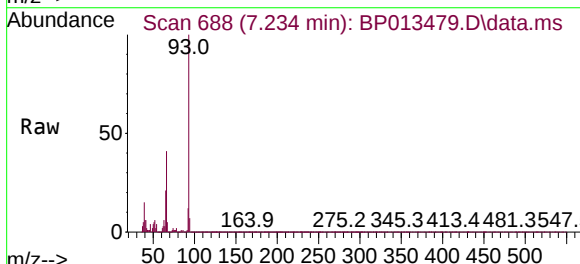
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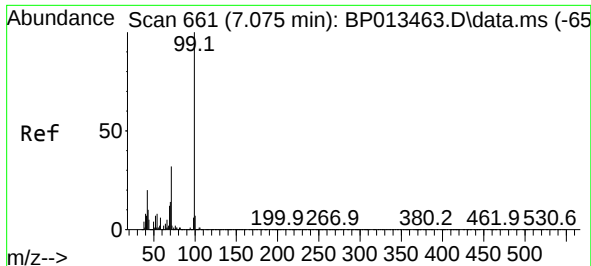
Reviewed By :Christian Giraldo 01/17/2023
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#6
Aniline
Concen: 8.893 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP013479.D
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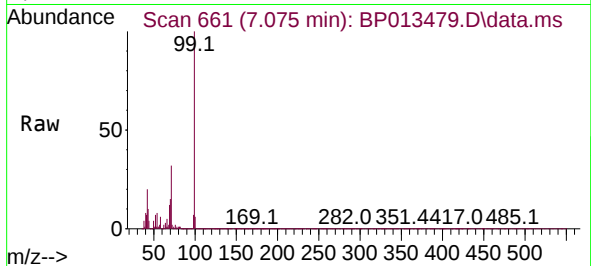
Tgt Ion: 93 Resp: 453367
Ion Ratio Lower Upper
93 100
66 40.7 31.9 47.9
65 20.9 16.6 25.0





#7
Phenol-d6
Concen: 107.167 ng
RT: 7.075 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

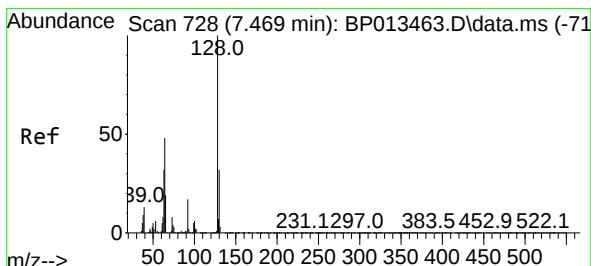
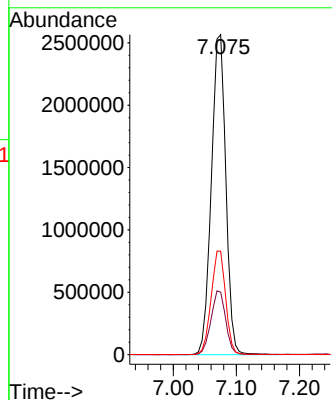
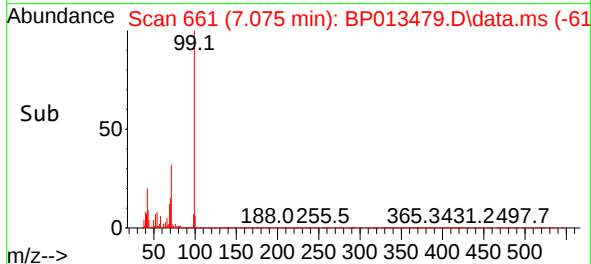
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BNA_P
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Tgt Ion: 99 Resp: 408869
Ion Ratio Lower Upper
99 100
42 19.5 15.8 23.6
71 32.3 25.6 38.4

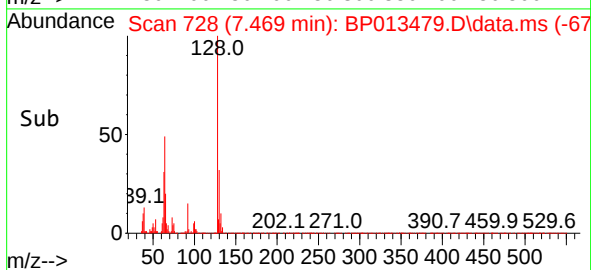
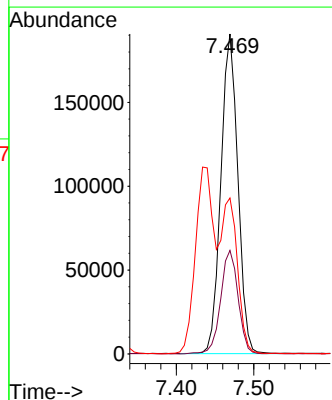
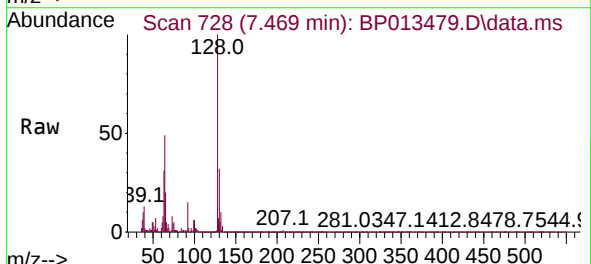
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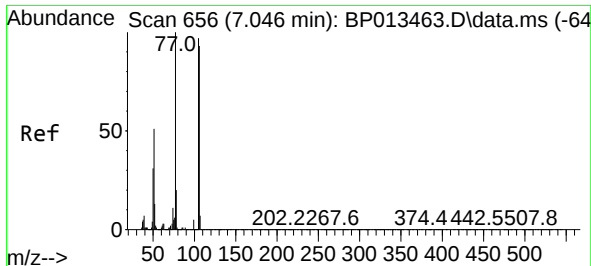
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#8
2-Chlorophenol
Concen: 9.291 ng
RT: 7.469 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

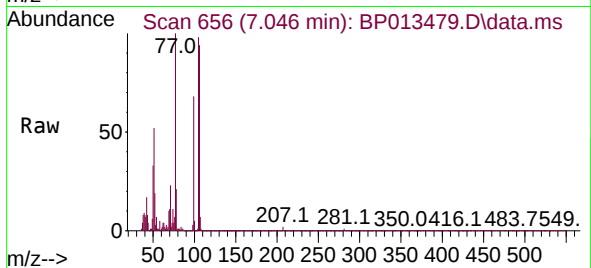
Tgt Ion:128 Resp: 290212
Ion Ratio Lower Upper
128 100
130 32.3 11.7 51.7
64 48.7 28.6 68.6





#9
Benzaldehyde
Concen: 11.335 ng m
RT: 7.046 min Scan# 656
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

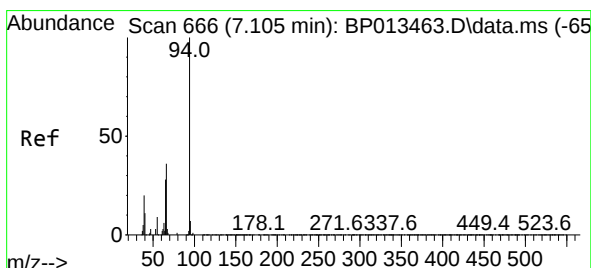
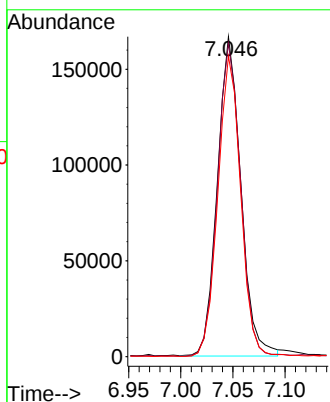
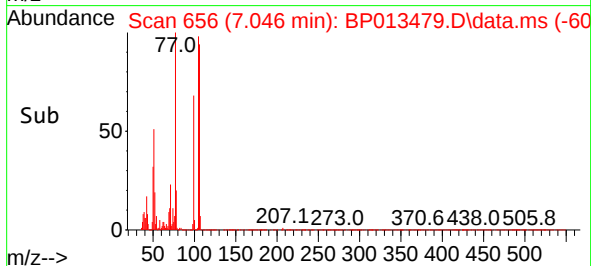
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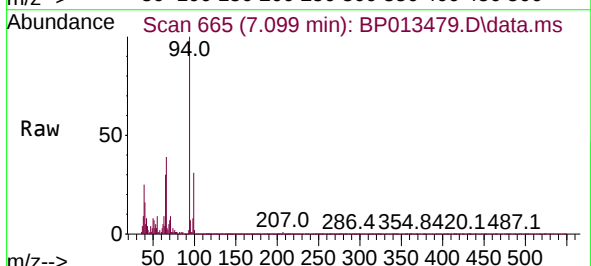
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Ion Ratio Lower Upper
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105 97.9 77.3 117.3
106 93.9 73.1 113.1

Manual Integrations
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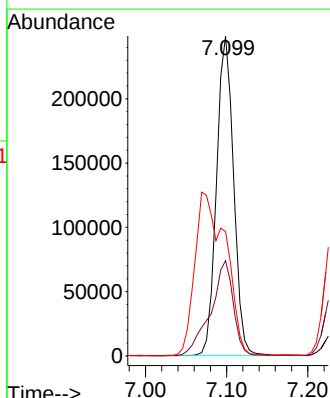
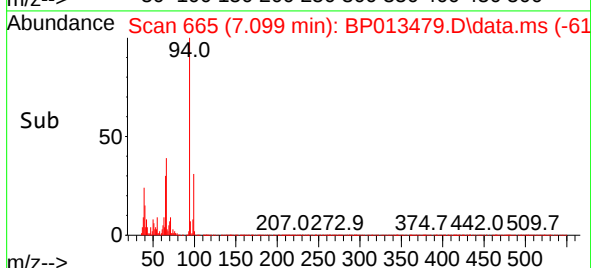
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

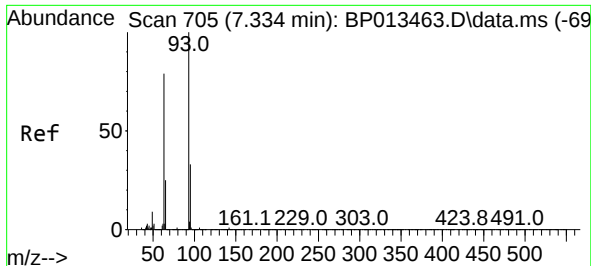


#10
Phenol
Concen: 9.232 ng
RT: 7.099 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



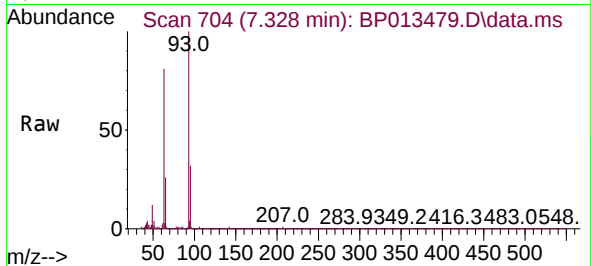
Tgt Ion: 94 Resp: 363567
Ion Ratio Lower Upper
94 100
65 29.8 8.3 48.3
66 38.8 16.6 56.6





#11
bis(2-Chloroethyl)ether
Concen: 9.316 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

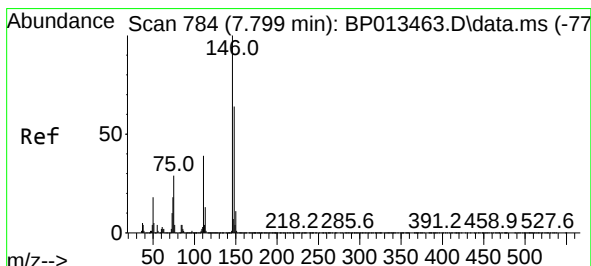
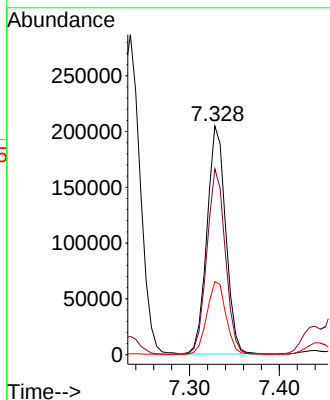
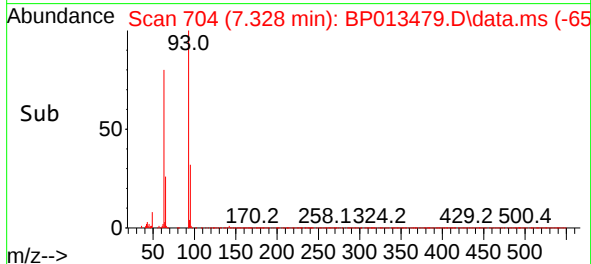
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



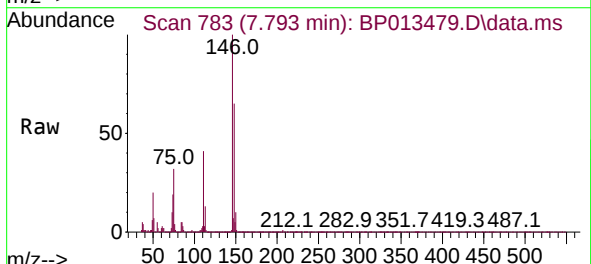
Tgt Ion: 93 Resp: 297387
Ion Ratio Lower Upper
93 100
63 81.2 59.3 99.3
95 32.0 12.8 52.8

Manual Integrations
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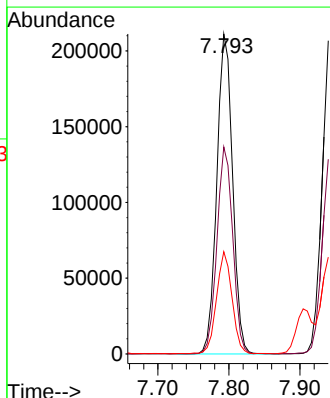
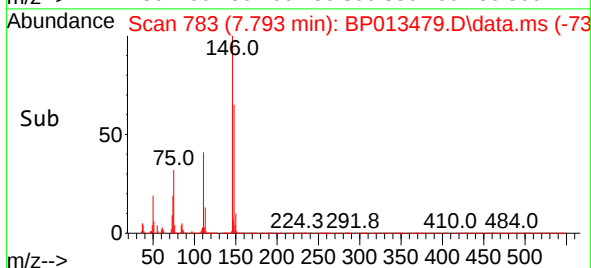
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

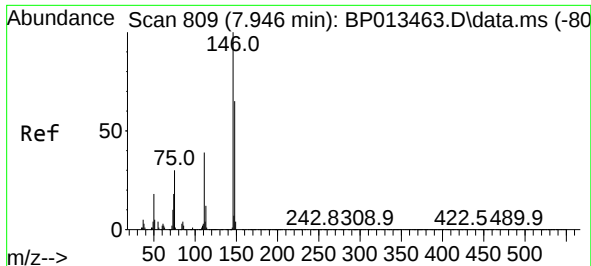


#12
1,3-Dichlorobenzene
Concen: 9.917 ng
RT: 7.793 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



Tgt Ion:146 Resp: 326376
Ion Ratio Lower Upper
146 100
148 64.7 51.5 77.3
75 31.9 23.6 35.4





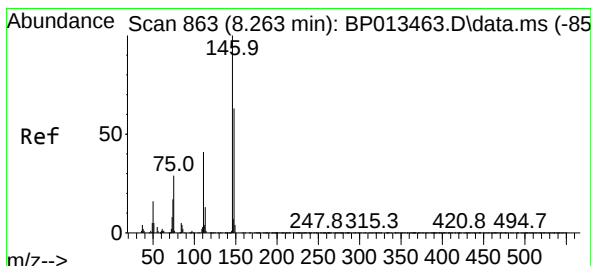
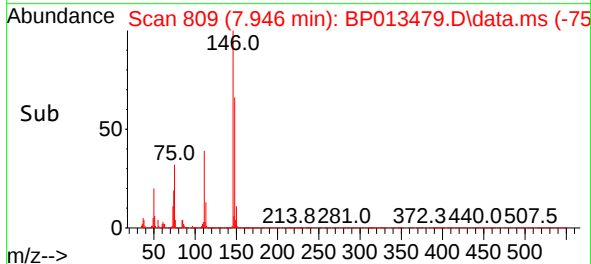
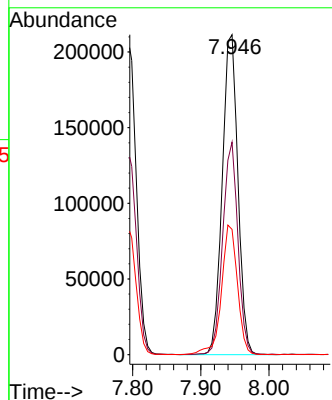
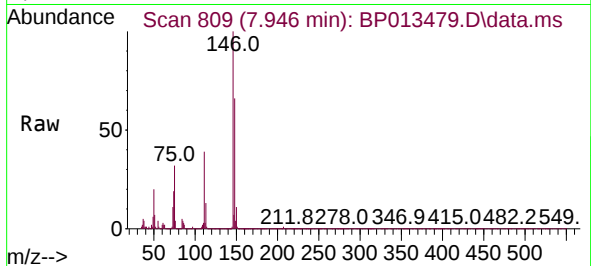
#13
1,4-Dichlorobenzene
Concen: 9.998 ng
RT: 7.946 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:146 Resp: 335315
Ion Ratio Lower Upper
146 100
148 66.4 52.0 78.0
111 39.1 31.4 47.2

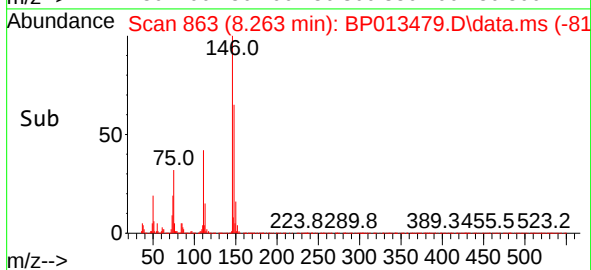
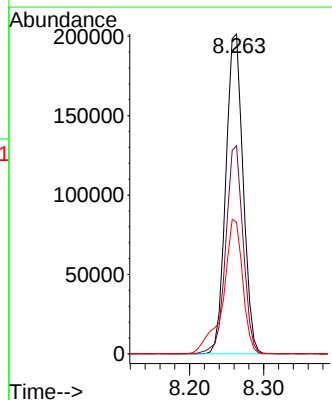
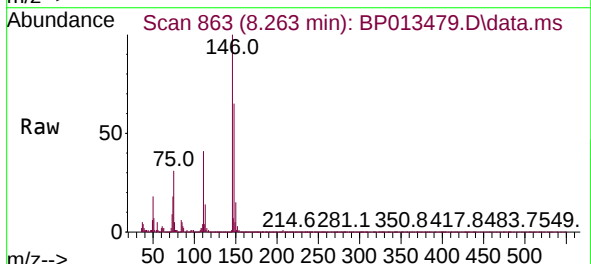
Manual Integrations
APPROVED

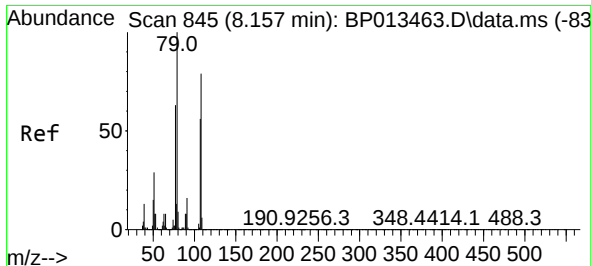
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#14
1,2-Dichlorobenzene
Concen: 9.904 ng
RT: 8.263 min Scan# 863
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

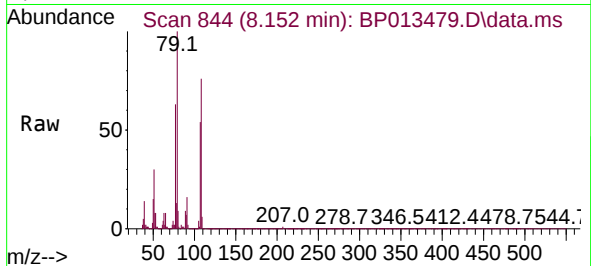
Tgt Ion:146 Resp: 324508
Ion Ratio Lower Upper
146 100
148 65.1 50.9 76.3
111 41.1 32.7 49.1





#15
Benzyl Alcohol
Concen: 8.695 ng
RT: 8.152 min Scan# 845
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

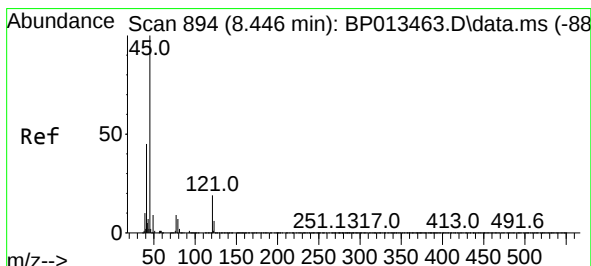
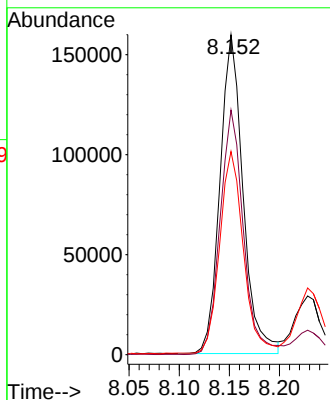
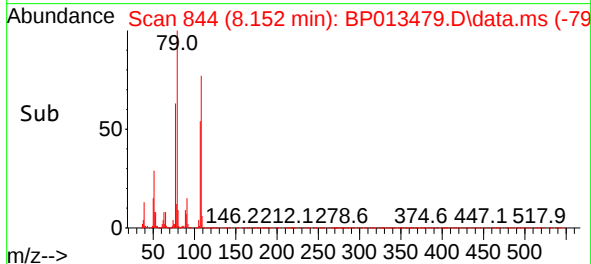
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 79 Resp: 255614
Ion Ratio Lower Upper
79 100
108 76.4 63.2 94.8
77 63.5 50.5 75.7

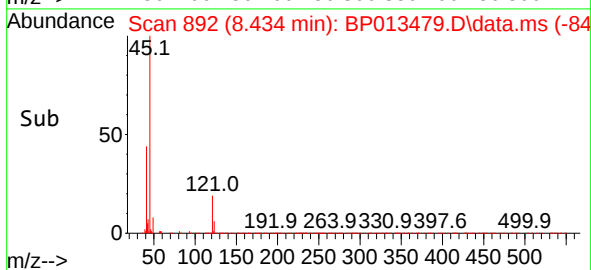
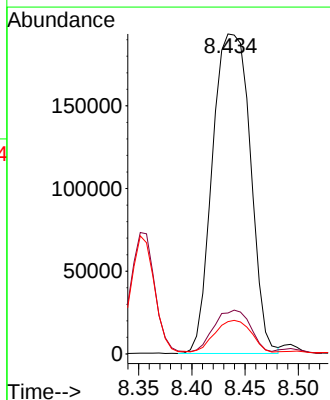
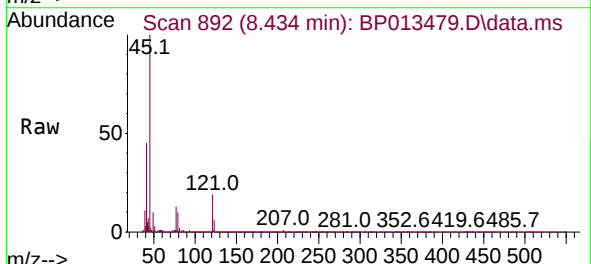
Manual Integrations
APPROVED

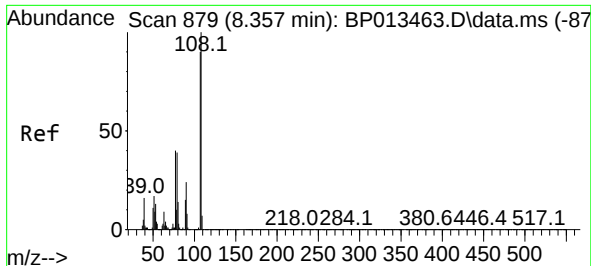
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.677 ng
RT: 8.434 min Scan# 892
Delta R.T. -0.012 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

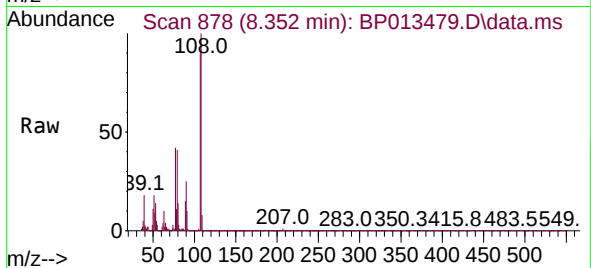
Tgt Ion: 45 Resp: 477903
Ion Ratio Lower Upper
45 100
77 12.8 0.0 32.8
79 10.1 0.0 30.3





#17
2-Methylphenol
Concen: 8.386 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

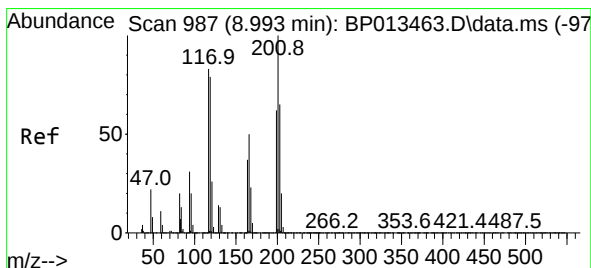
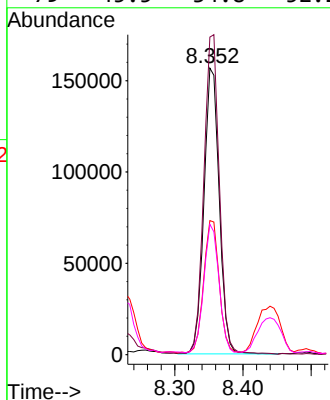
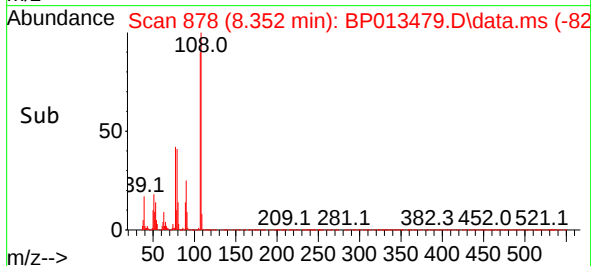
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:107 Resp: 244482
Ion Ratio Lower Upper
107 100
108 110.9 88.8 133.2
77 46.8 35.8 53.8
79 45.5 34.8 52.2

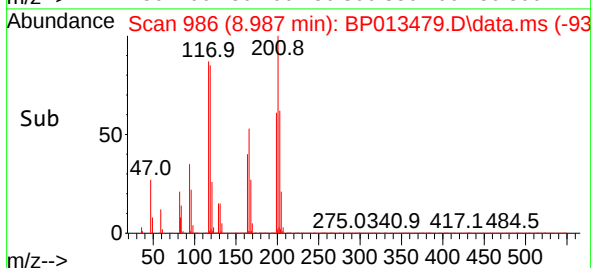
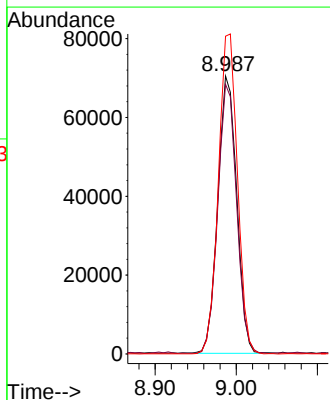
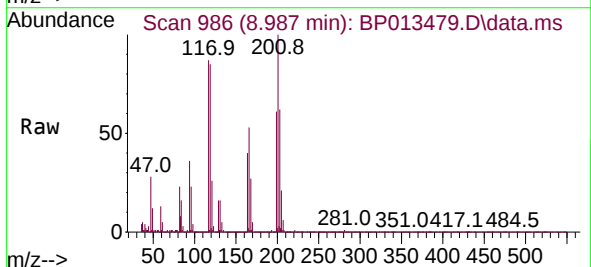
Manual Integrations
APPROVED

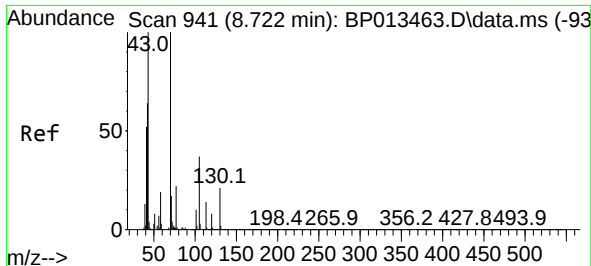
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#18
Hexachloroethane
Concen: 9.612 ng
RT: 8.987 min Scan# 986
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

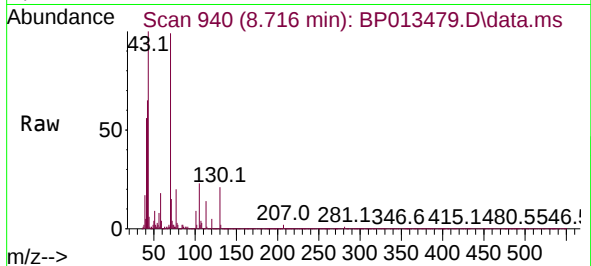
Tgt Ion:117 Resp: 114174
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.8
201 114.4 95.8 143.8





#19
n-Nitroso-di-n-propylamine
Concen: 9.224 ng
RT: 8.716 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

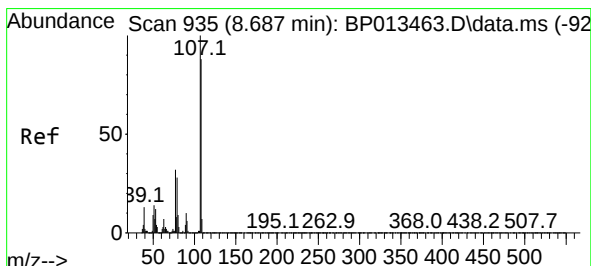
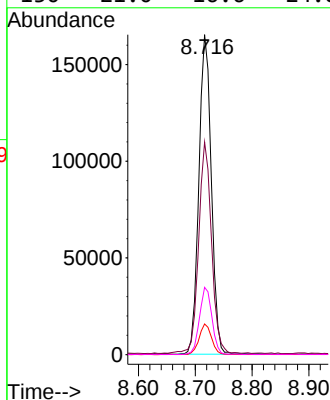
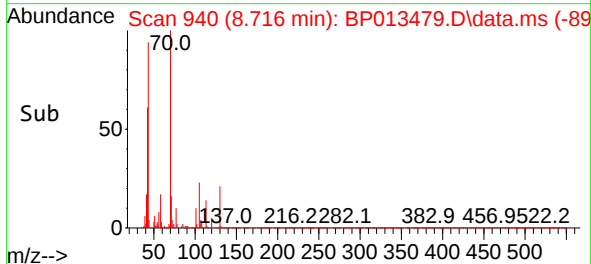
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



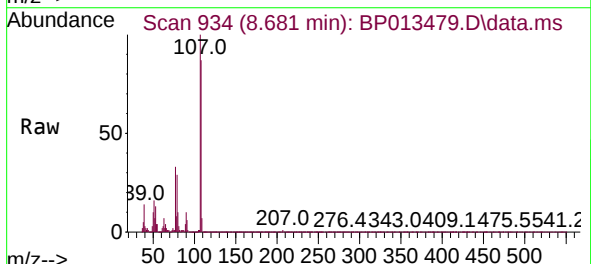
Tgt Ion: 70 Resp: 251195
Ion Ratio Lower Upper
70 100
42 66.4 51.1 76.7
101 9.6 7.8 11.8
130 21.0 16.6 24.8

Manual Integrations
APPROVED

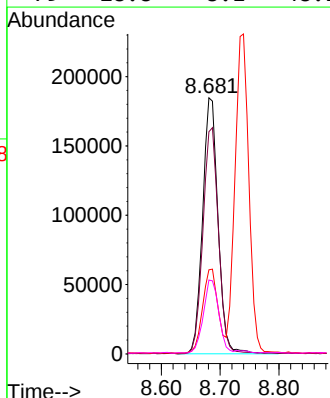
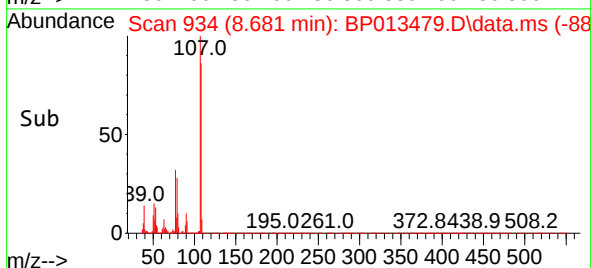
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

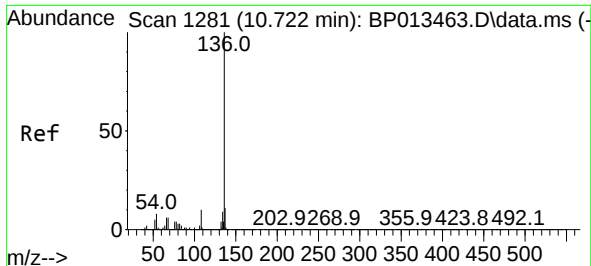


#20
3+4-Methylphenols
Concen: 8.318 ng
RT: 8.681 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



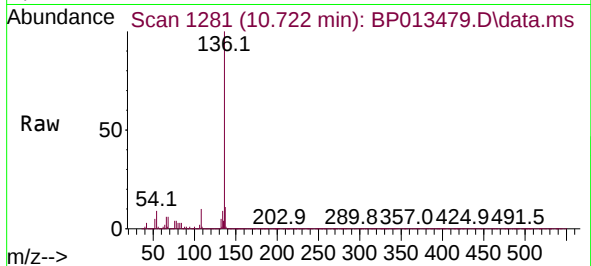
Tgt Ion:107 Resp: 336916
Ion Ratio Lower Upper
107 100
108 86.8 68.1 108.1
77 32.8 12.3 52.3
79 28.8 8.1 48.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

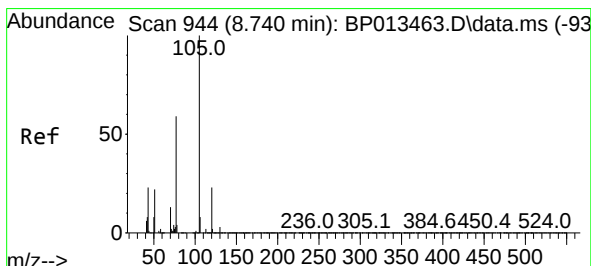
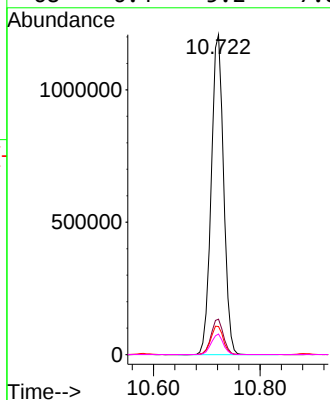
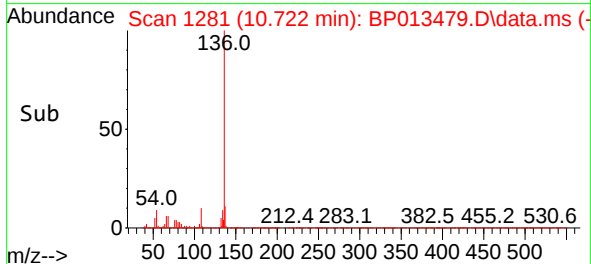
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:136 Resp: 1948144
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.8 6.6 10.0
68 6.4 5.2 7.8

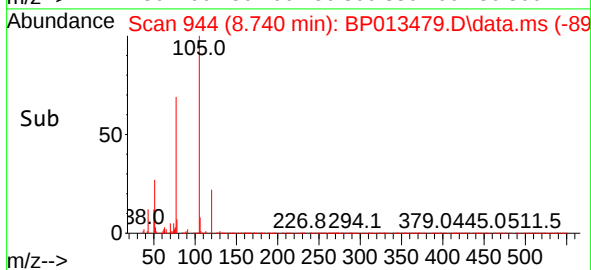
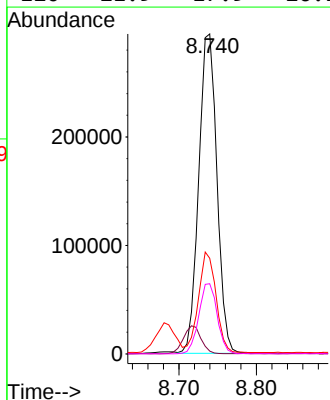
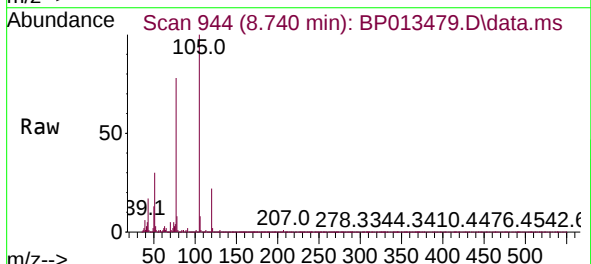
Manual Integrations
APPROVED

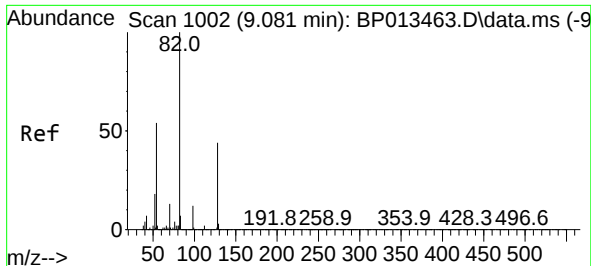
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#22
Acetophenone
Concen: 9.643 ng
RT: 8.740 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:105 Resp: 481090
Ion Ratio Lower Upper
105 100
71 0.9 2.1 3.1#
51 29.9 23.3 34.9
120 21.9 17.9 26.9





#23

Nitrobenzene-d5

Concen: 75.122 ng

RT: 9.081 min Scan# 1002

Delta R.T. -0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion: 82 Resp: 2754635

Ion Ratio Lower Upper

82 100

128 44.7 35.4 53.0

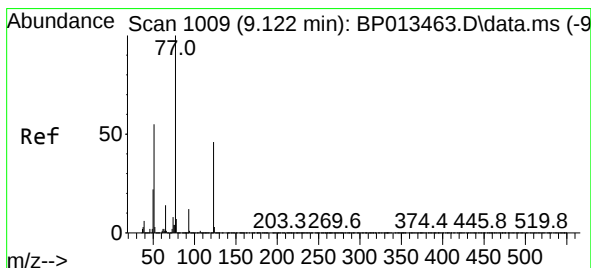
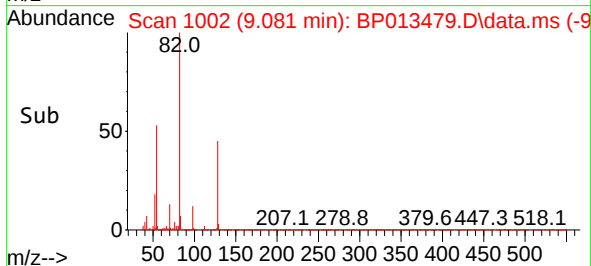
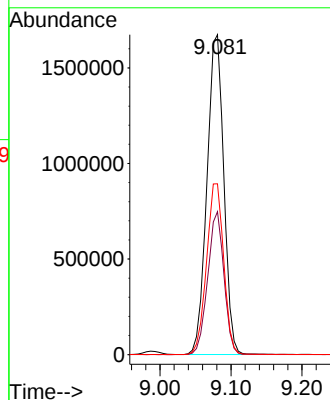
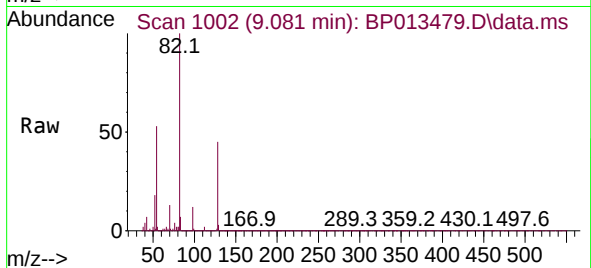
54 53.4 42.8 64.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#24

Nitrobenzene

Concen: 9.482 ng

RT: 9.122 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

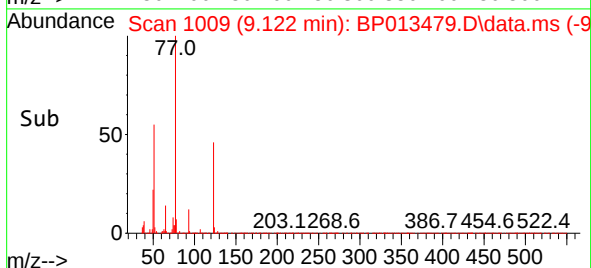
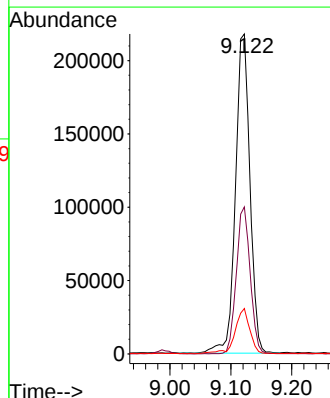
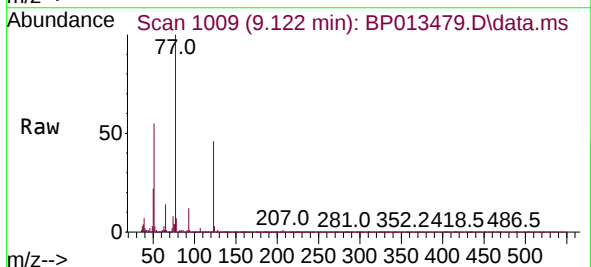
Tgt Ion: 77 Resp: 359633

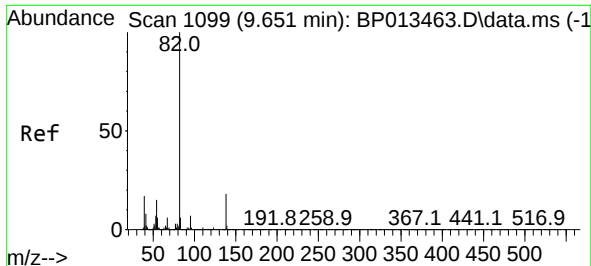
Ion Ratio Lower Upper

77 100

123 45.9 36.5 54.7

65 14.2 11.0 16.6





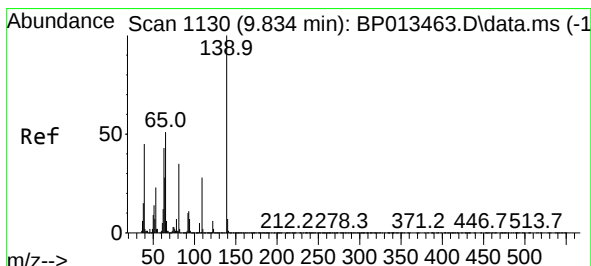
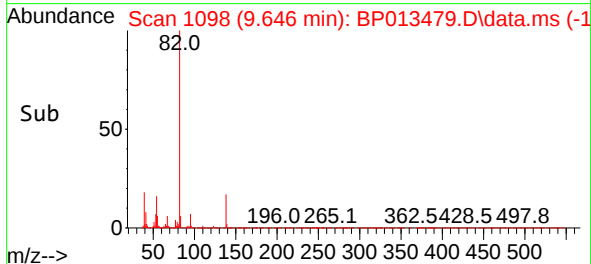
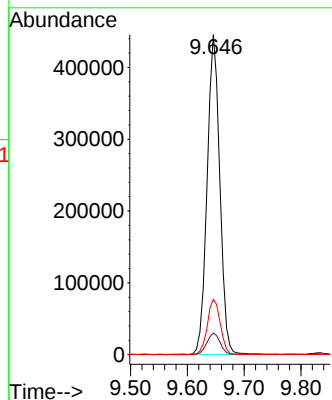
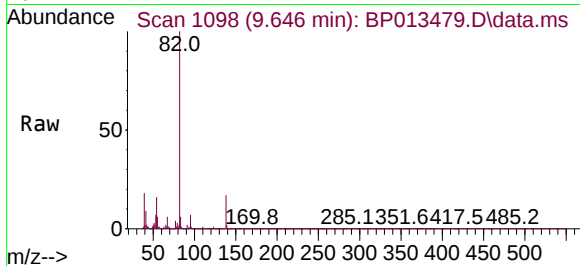
#25
Isophorone
Concen: 9.155 ng
RT: 9.646 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion: 82 Resp: 691022
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 17.2 14.5 21.7

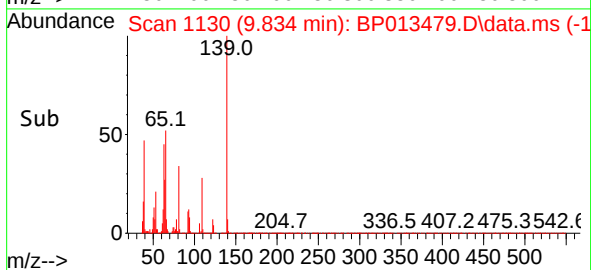
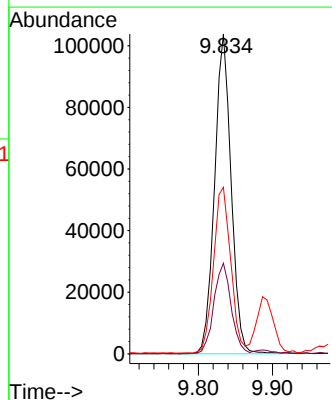
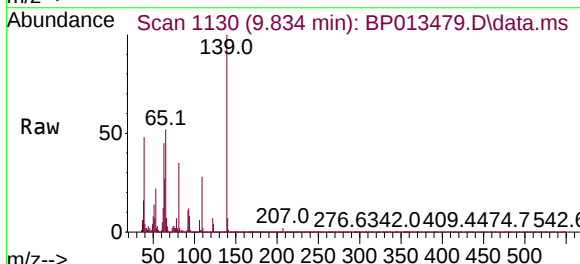
Manual Integrations
APPROVED

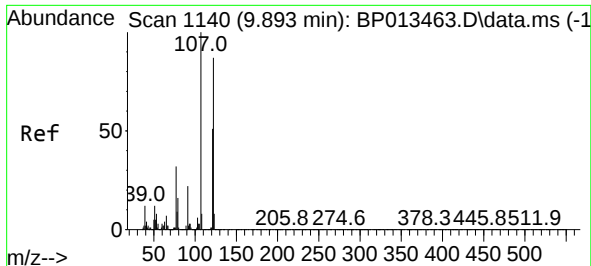
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#26
2-Nitrophenol
Concen: 8.617 ng
RT: 9.834 min Scan# 1130
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:139 Resp: 161569
Ion Ratio Lower Upper
139 100
109 28.3 22.5 33.7
65 52.1 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 8.385 ng

RT: 9.893 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

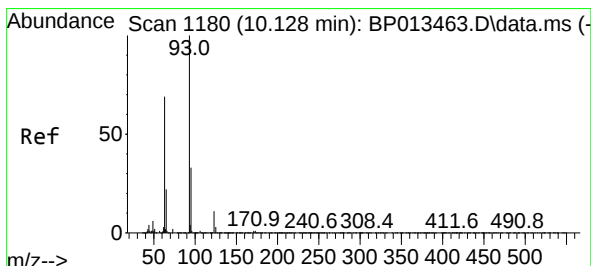
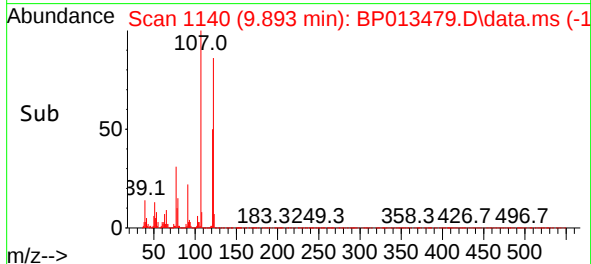
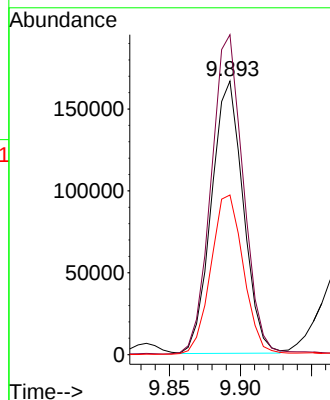
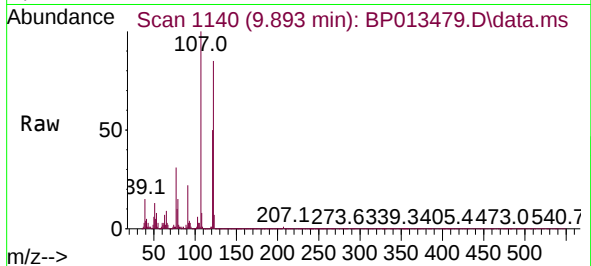
Tgt Ion:	122	Resp:	258802
Ion	Ratio	Lower	Upper
122	100		
107	117.0	91.6	137.4
121	58.4	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#28

bis(2-Chloroethoxy)methane

Concen: 9.501 ng

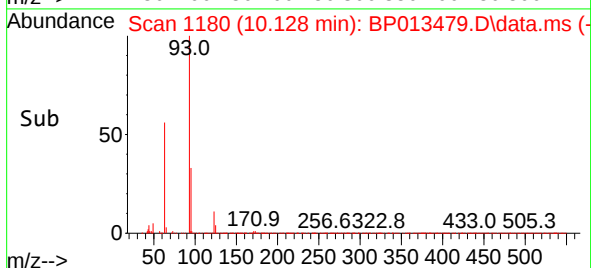
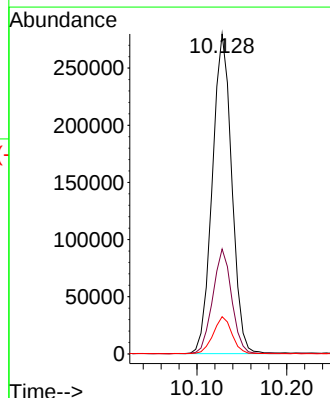
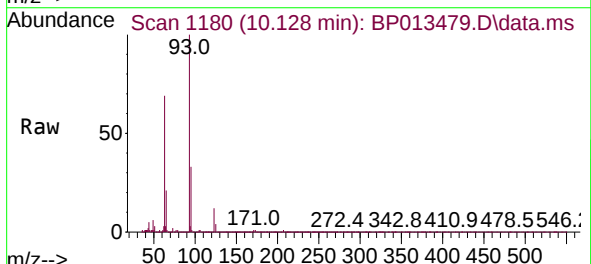
RT: 10.128 min Scan# 1180

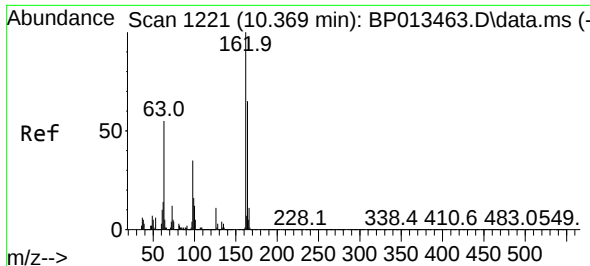
Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Tgt Ion:	93	Resp:	422947
Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	11.6	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 9.078 ng

RT: 10.369 min Scan# 1221

Delta R.T. -0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

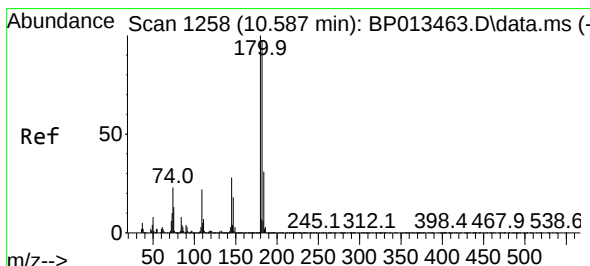
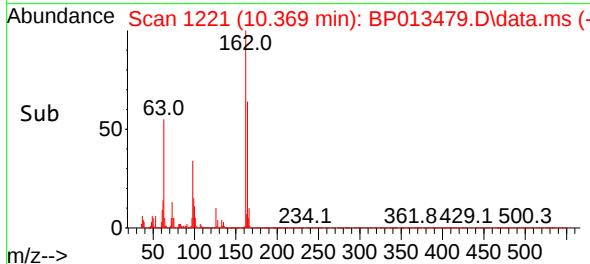
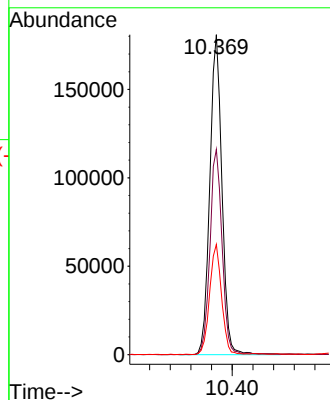
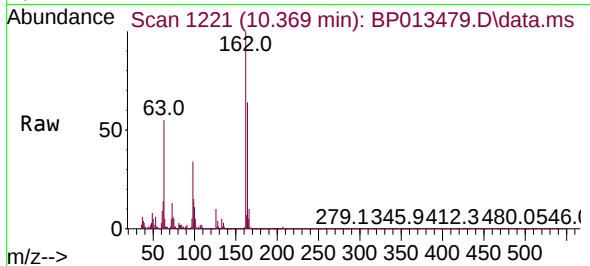
Tgt Ion:	162	Resp:	294024
Ion Ratio	Lower	Upper	
162	100		
164	64.1	45.4	85.4
98	34.4	14.8	54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#30

1,2,4-Trichlorobenzene

Concen: 9.506 ng

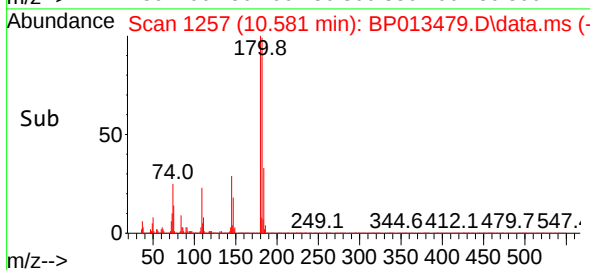
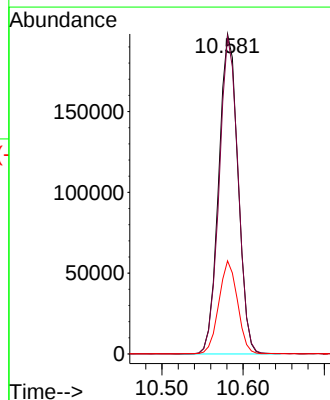
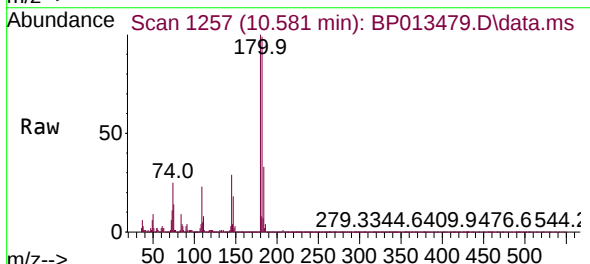
RT: 10.581 min Scan# 1257

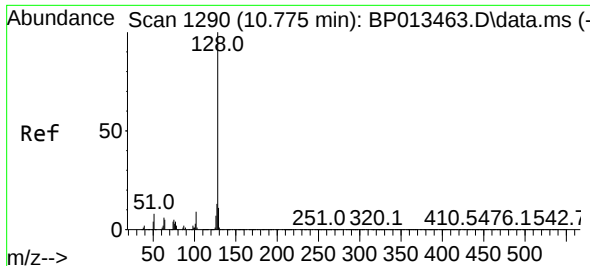
Delta R.T. -0.006 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Tgt Ion:	180	Resp:	325837
Ion Ratio	Lower	Upper	
180	100		
182	99.3	77.3	115.9
145	29.1	22.8	34.2





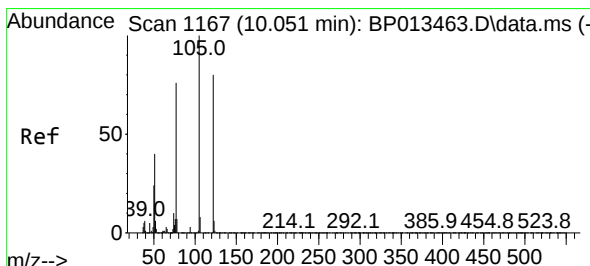
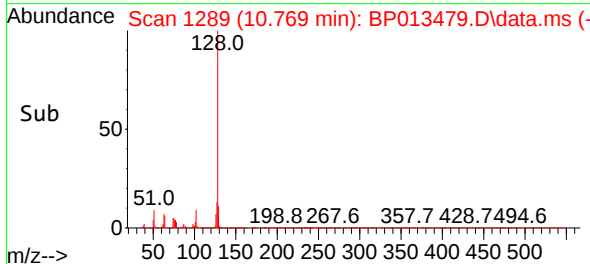
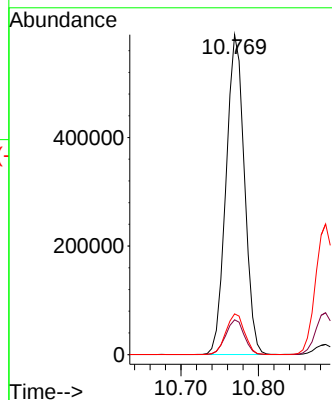
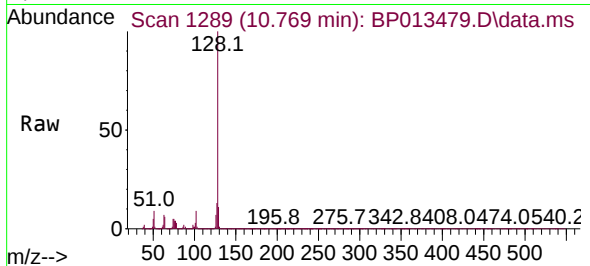
#31
Naphthalene
Concen: 9.422 ng
RT: 10.769 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2022

Tgt Ion:128 Resp: 970632
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 12.7 10.6 16.0

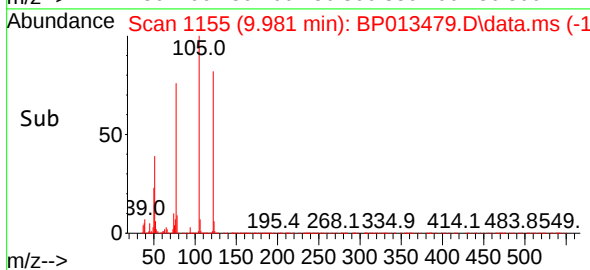
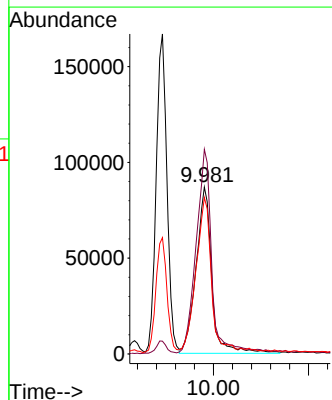
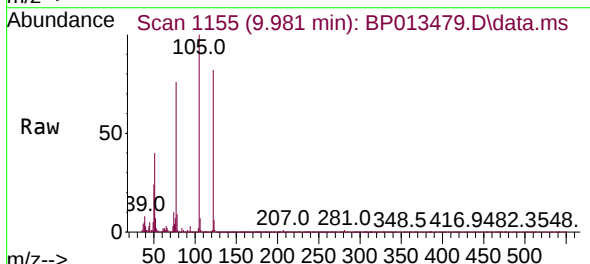
Manual Integrations
APPROVED

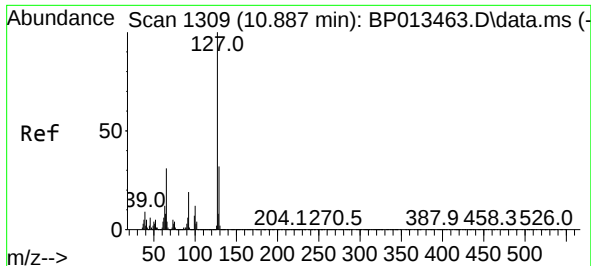
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#32
Benzoic acid
Concen: 7.748 ng m
RT: 9.981 min Scan# 1155
Delta R.T. -0.071 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

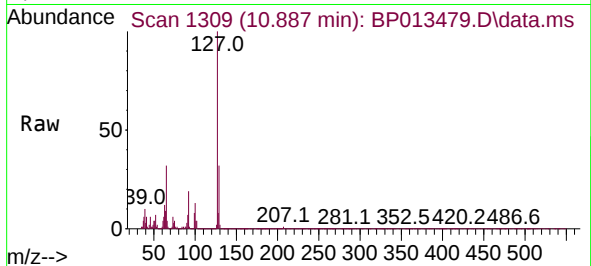
Tgt Ion:122 Resp: 199471
Ion Ratio Lower Upper
122 100
105 122.6 102.7 142.7
77 93.6 74.0 114.0





#33
4-Chloroaniline
Concen: 8.794 ng
RT: 10.887 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

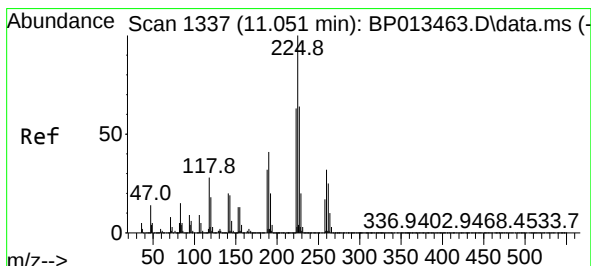
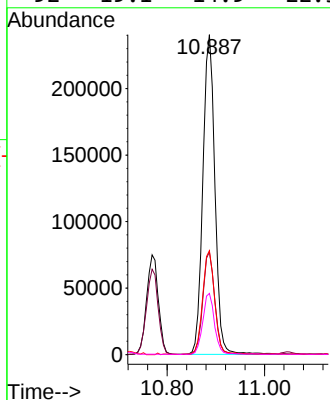
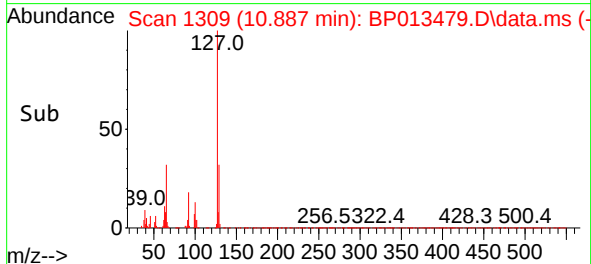
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



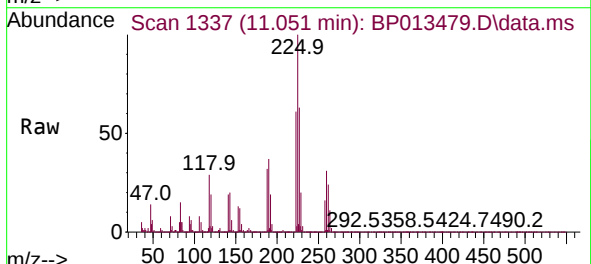
Tgt Ion:127 Resp: 41383
Ion Ratio Lower Upper
127 100
129 32.1 25.6 38.4
65 32.5 25.2 37.8
92 19.1 14.9 22.3

Manual Integrations
APPROVED

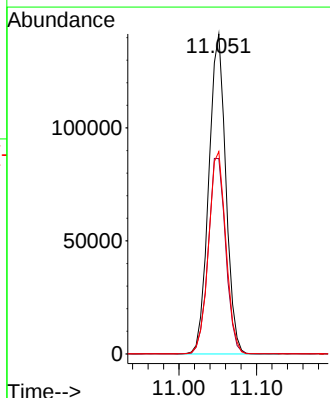
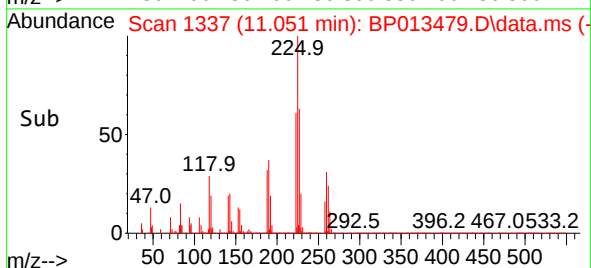
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

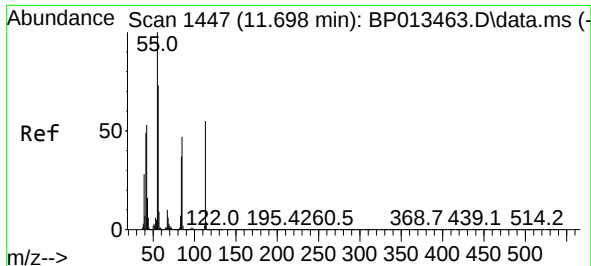


#34
Hexachlorobutadiene
Concen: 9.998 ng
RT: 11.051 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



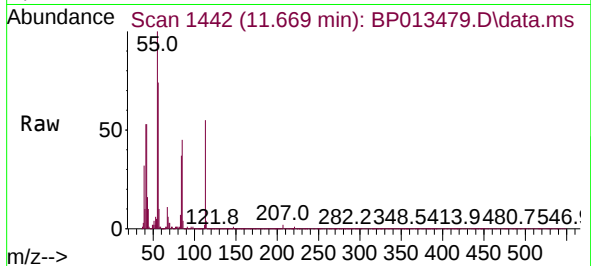
Tgt Ion:225 Resp: 216017
Ion Ratio Lower Upper
225 100
223 61.0 50.0 75.0
227 63.2 51.0 76.6





#35
Caprolactam
Concen: 8.967 ng
RT: 11.669 min Scan# 1447
Delta R.T. -0.029 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

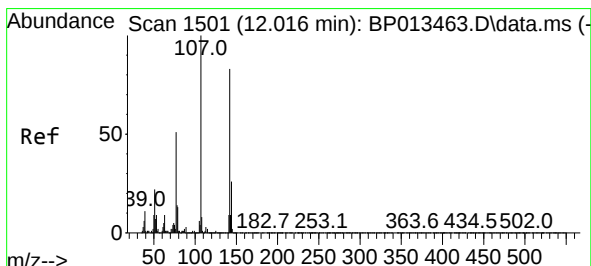
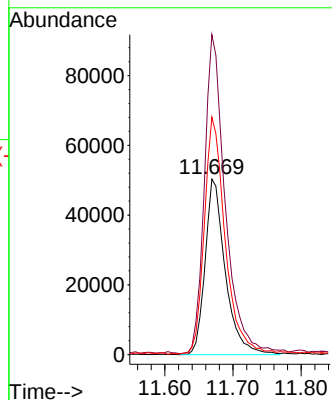
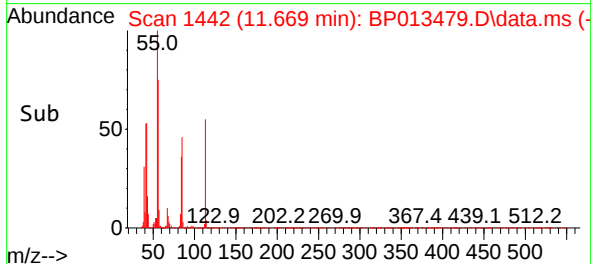
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



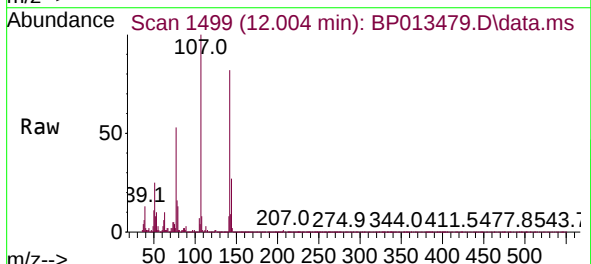
Tgt Ion:113 Resp: 103486
Ion Ratio Lower Upper
113 100
55 182.4 163.1 203.1
56 135.3 113.0 153.0

Manual Integrations
APPROVED

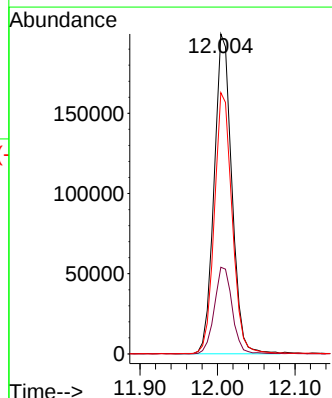
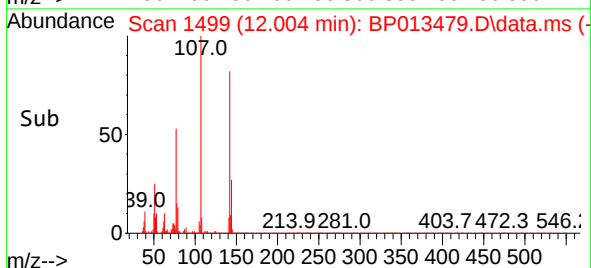
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

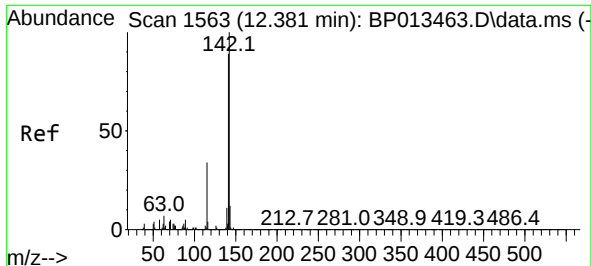


#36
4-Chloro-3-methylphenol
Concen: 8.966 ng
RT: 12.004 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



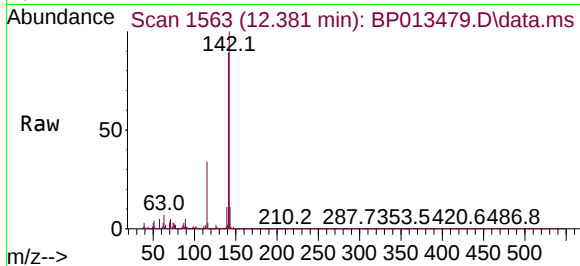
Tgt Ion:107 Resp: 316461
Ion Ratio Lower Upper
107 100
144 27.1 21.2 31.8
142 81.6 66.0 99.0





#37
2-Methylnaphthalene
Concen: 9.182 ng
RT: 12.381 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

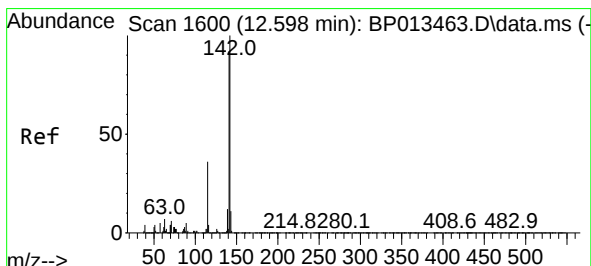
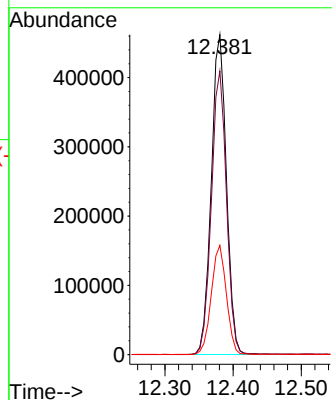
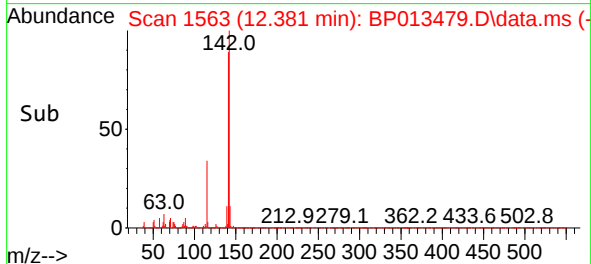
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:142 Resp: 710127
Ion Ratio Lower Upper
142 100
141 88.6 71.1 106.7
115 34.1 27.6 41.4

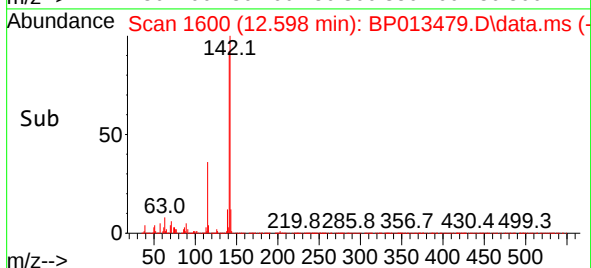
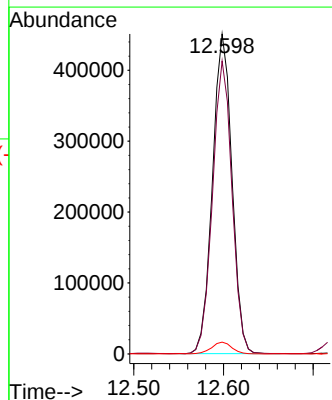
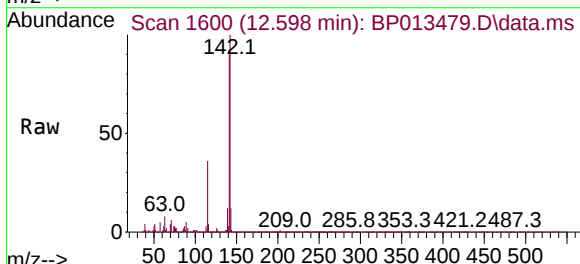
Manual Integrations
APPROVED

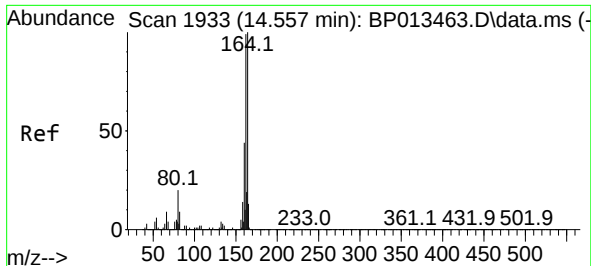
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#38
1-Methylnaphthalene
Concen: 9.316 ng
RT: 12.598 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:142 Resp: 679673
Ion Ratio Lower Upper
142 100
141 91.5 73.3 109.9
116 3.7 2.9 4.3





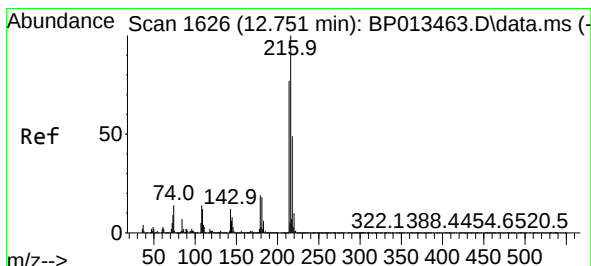
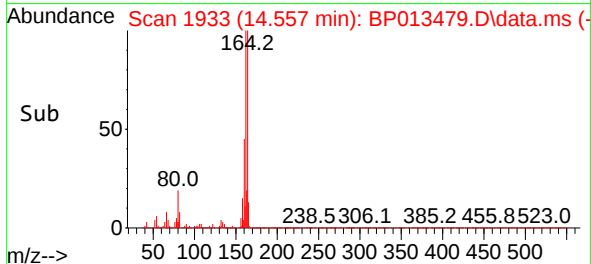
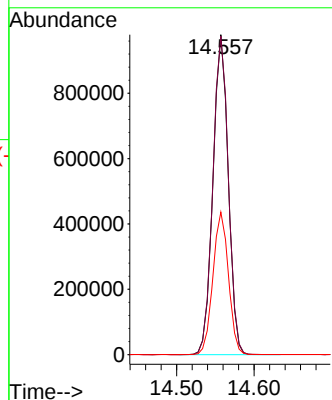
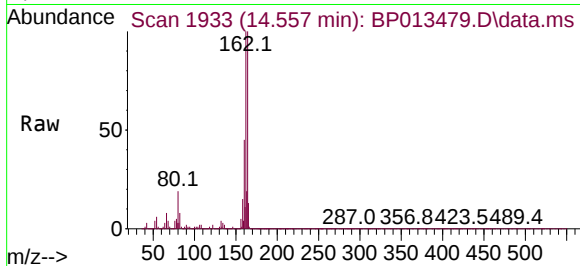
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:164 Resp: 1340388
Ion Ratio Lower Upper
164 100
162 99.5 79.5 119.3
160 44.5 35.4 53.0

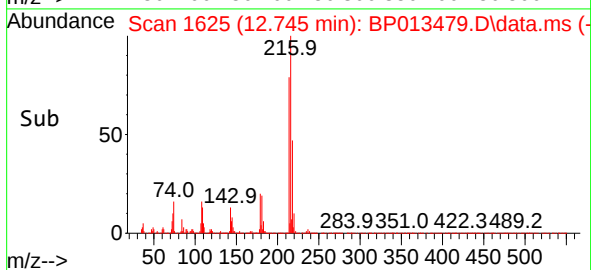
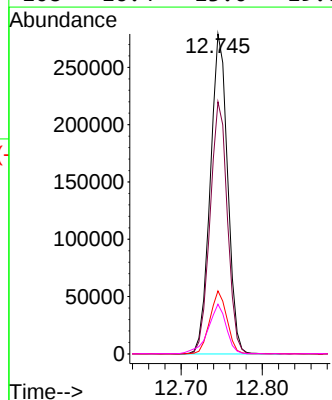
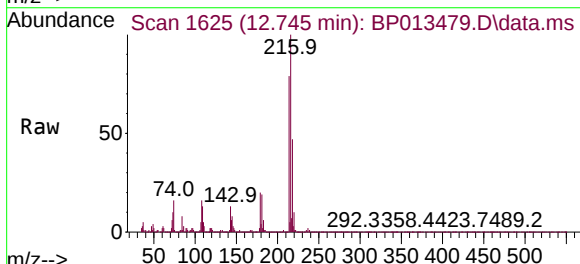
Manual Integrations
APPROVED

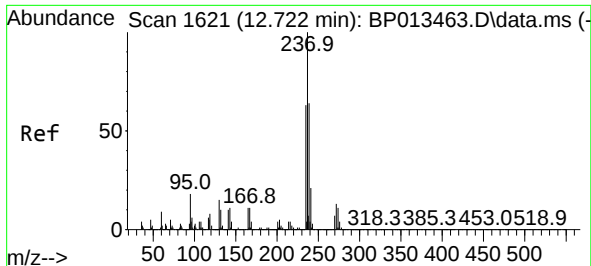
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.446 ng
RT: 12.745 min Scan# 1625
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

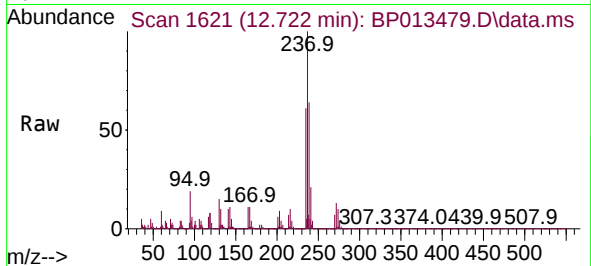
Tgt Ion:216 Resp: 414983
Ion Ratio Lower Upper
216 100
214 78.7 62.1 93.1
179 19.3 15.6 23.4
108 16.4 13.0 19.6





#41
Hexachlorocyclopentadiene
Concen: 8.860 ng
RT: 12.722 min Scan# 1621
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

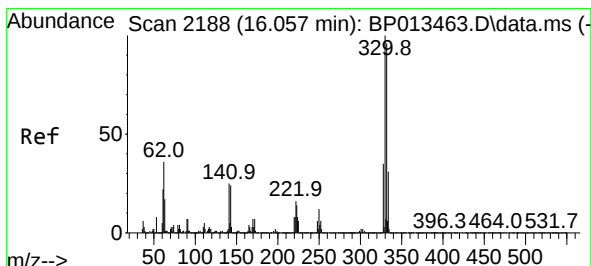
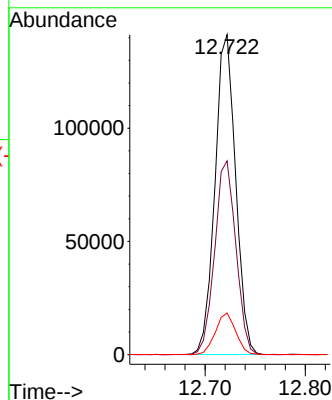
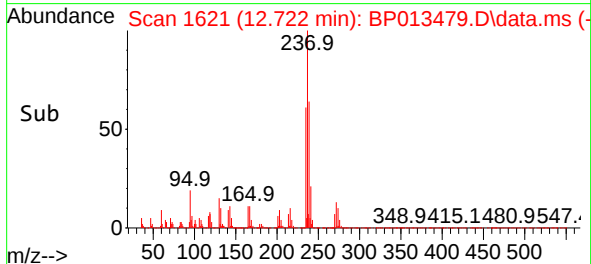
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2022



Tgt Ion: 237 Resp: 202956
Ion Ratio Lower Upper
237 100
235 60.5 43.4 83.4
272 13.0 0.0 32.7

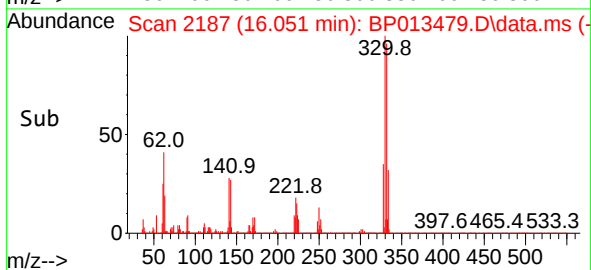
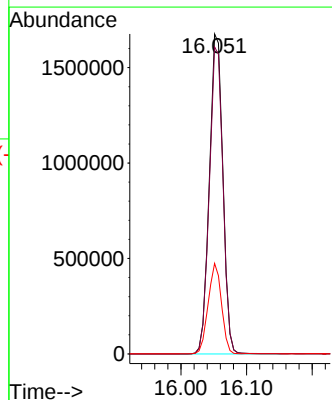
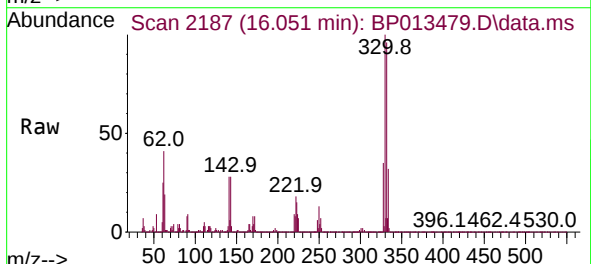
Manual Integrations
APPROVED

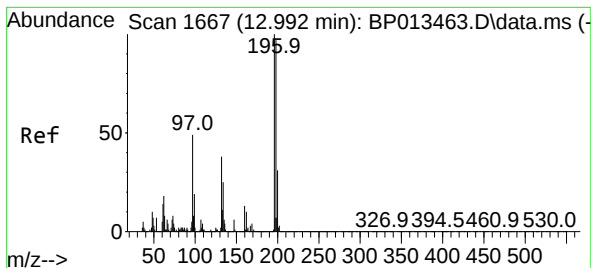
Reviewed By : Christian Giraldo 01/17/2023
Supervised By : Jagrut Upadhyay 01/18/2023



#42
2,4,6-Tribromophenol
Concen: 114.532 ng
RT: 16.051 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion: 330 Resp: 2396337
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 27.9 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 8.978 ng

RT: 12.987 min Scan# 1666

Delta R.T. -0.006 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

ClientSampleId :

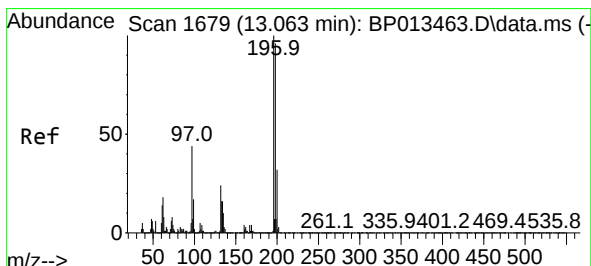
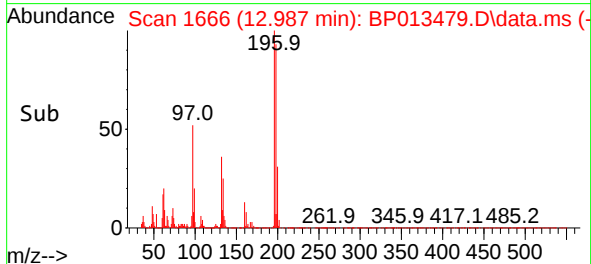
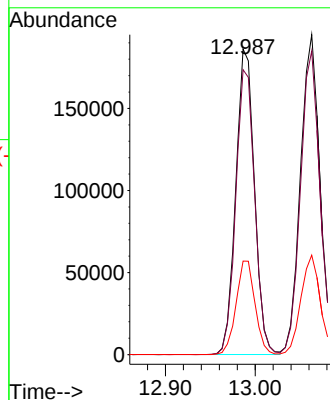
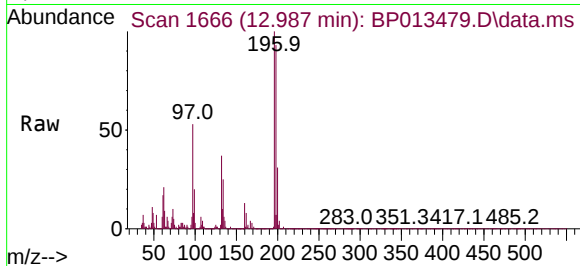
LOQ-SOIL-02-QT2-2022

Tgt Ion:196 Resp: 271211
 Ion Ratio Lower Upper
 196 100
 198 93.2 77.4 116.0
 200 30.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#44

2,4,5-Trichlorophenol

Concen: 8.356 ng

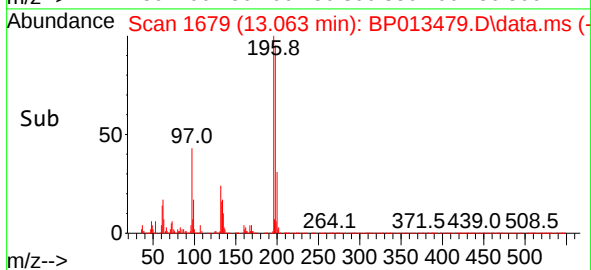
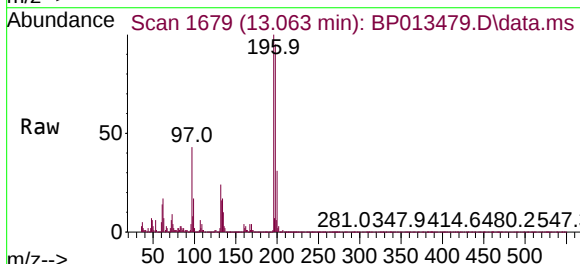
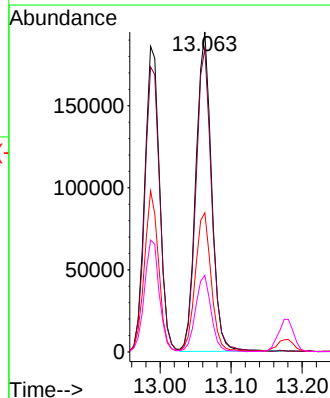
RT: 13.063 min Scan# 1679

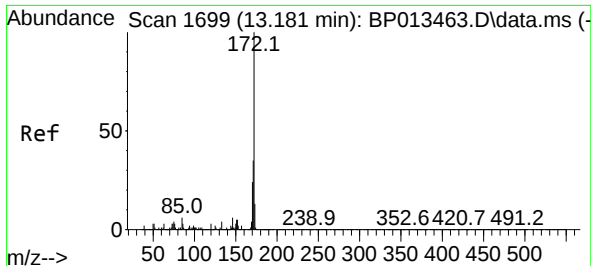
Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

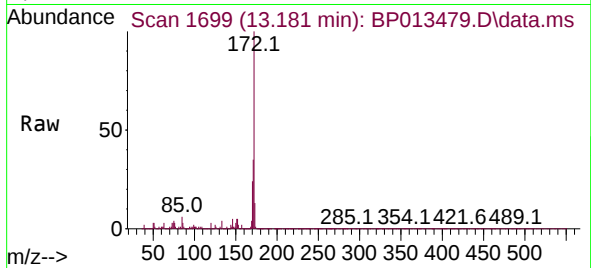
Tgt Ion:196 Resp: 296192
 Ion Ratio Lower Upper
 196 100
 198 94.9 76.8 115.2
 97 43.5 34.9 52.3
 132 23.9 19.3 28.9





#45
2-Fluorobiphenyl
Concen: 77.260 ng
RT: 13.181 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

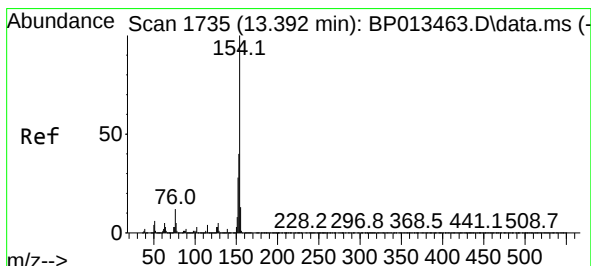
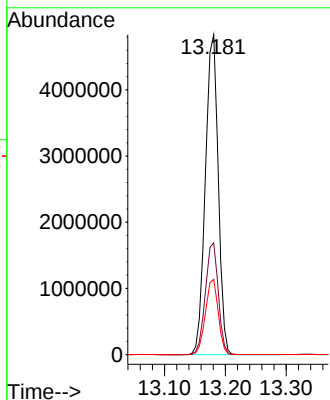
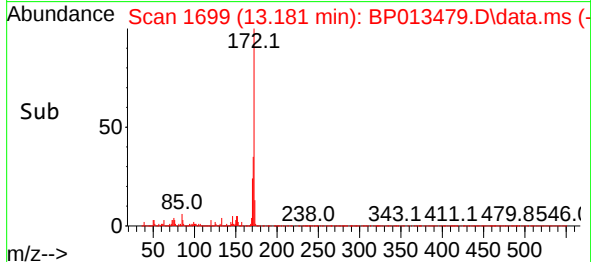
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



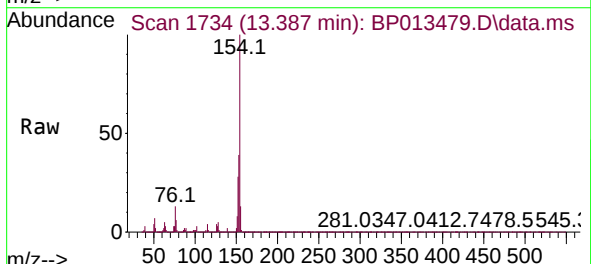
Tgt Ion:172 Resp: 7084139
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.5 19.0 28.4

Manual Integrations
APPROVED

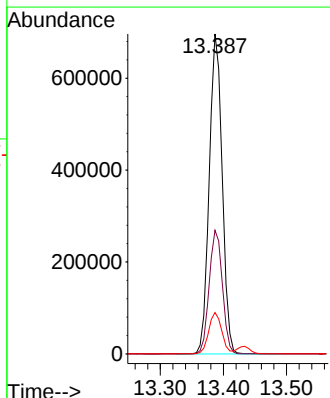
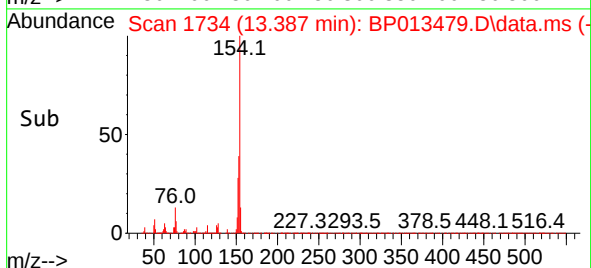
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

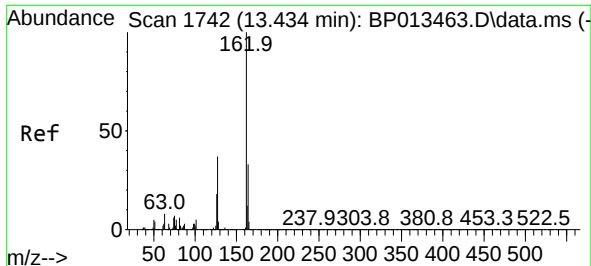


#46
1,1'-Biphenyl
Concen: 9.786 ng
RT: 13.387 min Scan# 1734
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



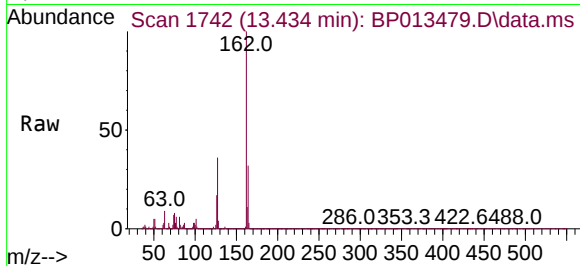
Tgt Ion:154 Resp: 991753
Ion Ratio Lower Upper
154 100
153 38.6 19.9 59.9
76 12.9 0.0 32.5





#47
2-Chloronaphthalene
Concen: 9.637 ng
RT: 13.434 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

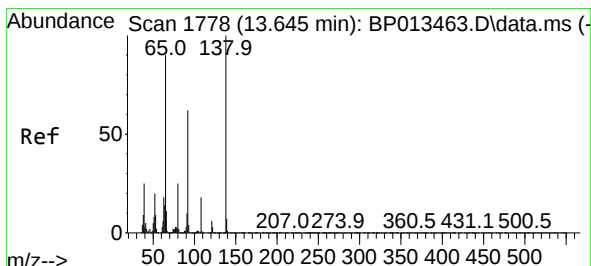
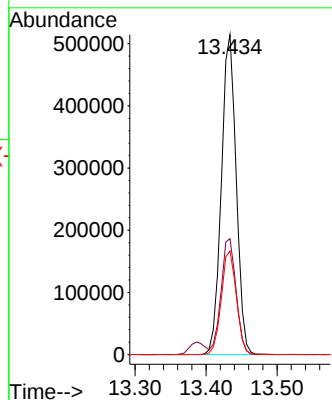
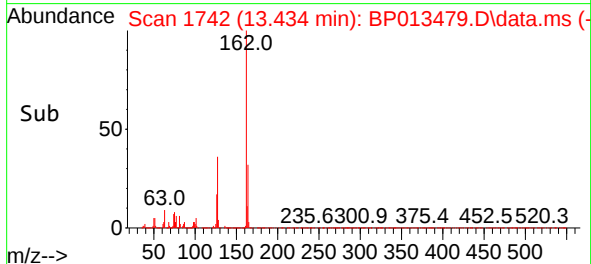
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



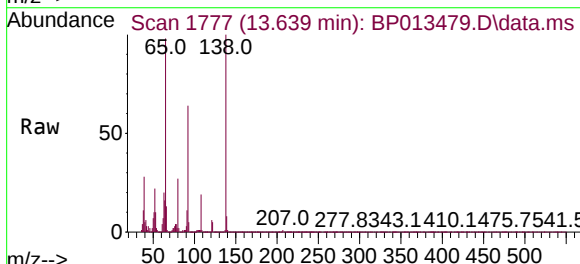
Tgt Ion: 162 Resp: 749029
Ion Ratio Lower Upper
162 100
127 36.2 29.8 44.8
164 32.4 26.4 39.6

Manual Integrations
APPROVED

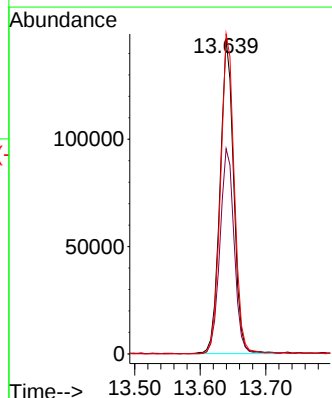
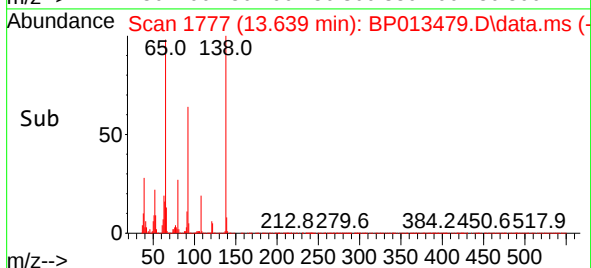
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

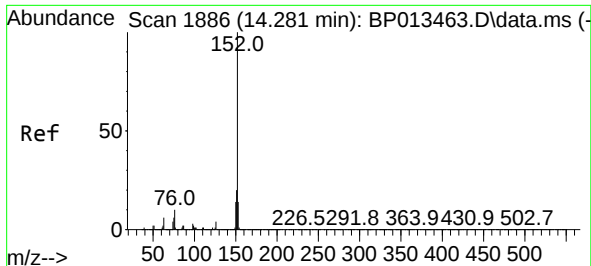


#48
2-Nitroaniline
Concen: 8.341 ng
RT: 13.639 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



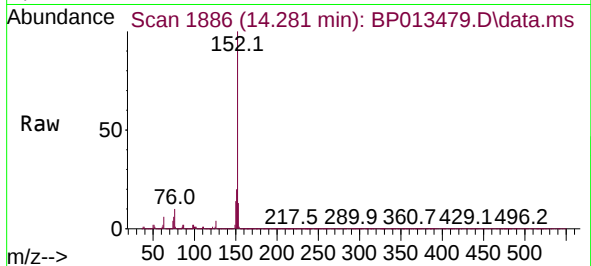
Tgt Ion: 65 Resp: 213402
Ion Ratio Lower Upper
65 100
92 65.1 55.1 82.7
138 101.5 88.5 132.7





#49
Acenaphthylene
Concen: 9.138 ng
RT: 14.281 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

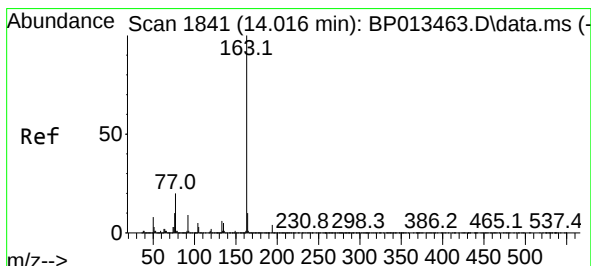
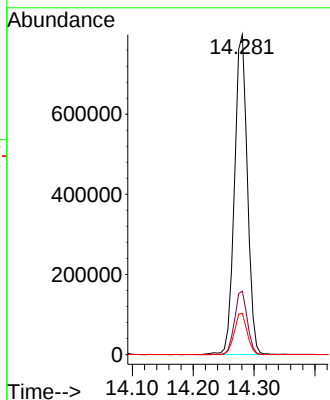
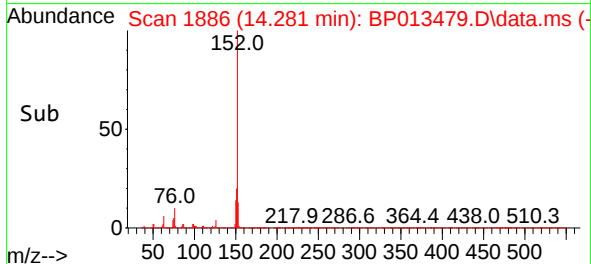
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



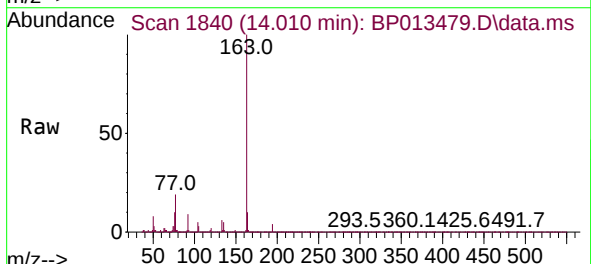
Tgt Ion:152 Resp: 1171243
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 12.9 10.9 16.3

Manual Integrations
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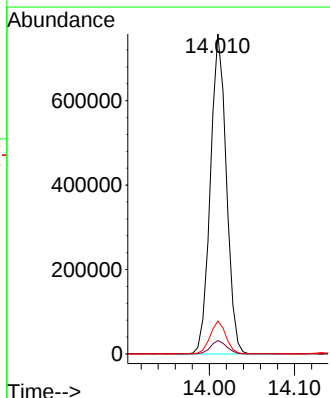
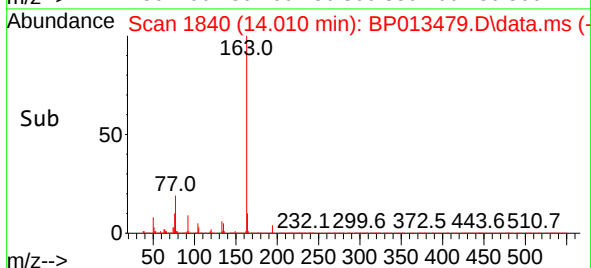
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

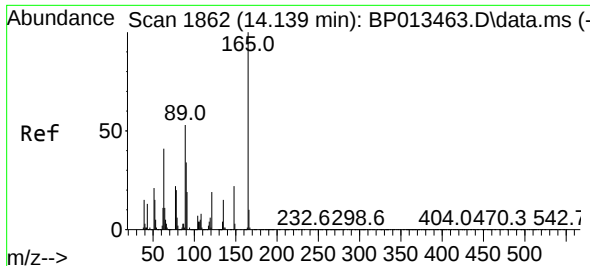


#50
Dimethylphthalate
Concen: 9.280 ng
RT: 14.010 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



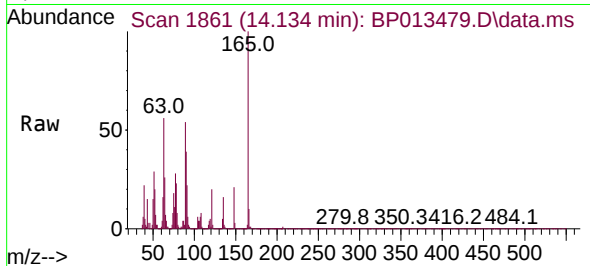
Tgt Ion:163 Resp: 986395
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 8.909 ng
RT: 14.134 min Scan# 1862
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

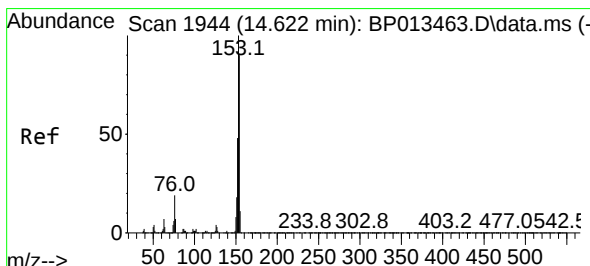
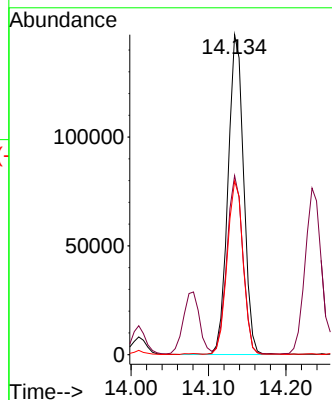
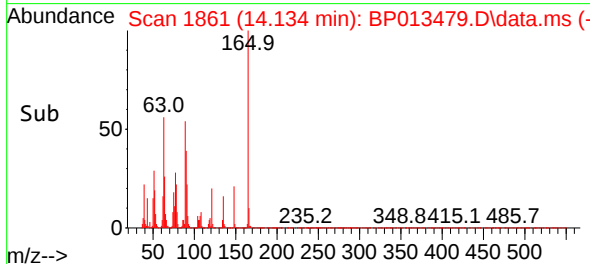
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



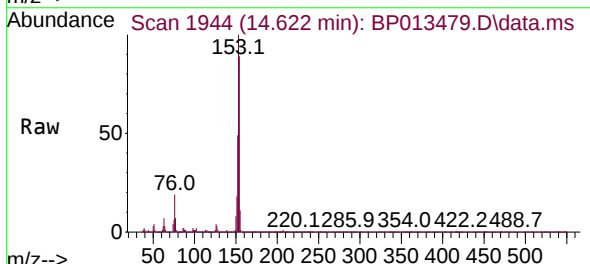
Tgt Ion:165 Resp: 20655
Ion Ratio Lower Upper
165 100
63 55.9 42.8 64.2
89 54.2 42.5 63.7

Manual Integrations
APPROVED

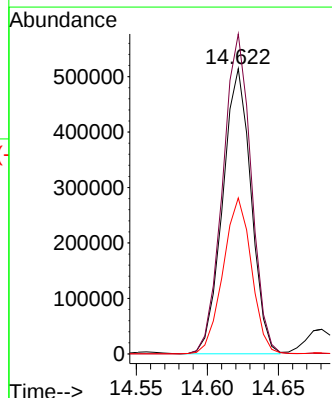
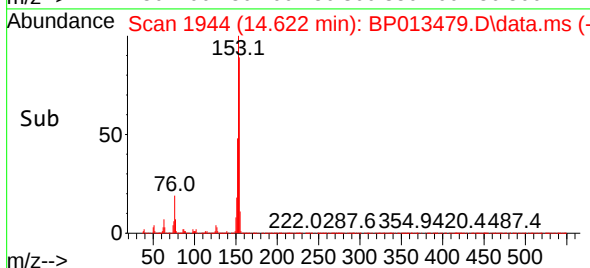
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

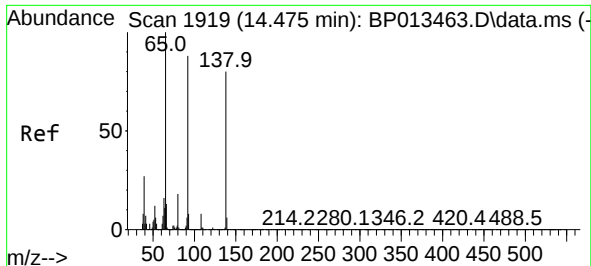


#52
Acenaphthene
Concen: 9.422 ng
RT: 14.622 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



Tgt Ion:154 Resp: 714796
Ion Ratio Lower Upper
154 100
153 112.2 89.2 133.8
152 54.7 42.8 64.2





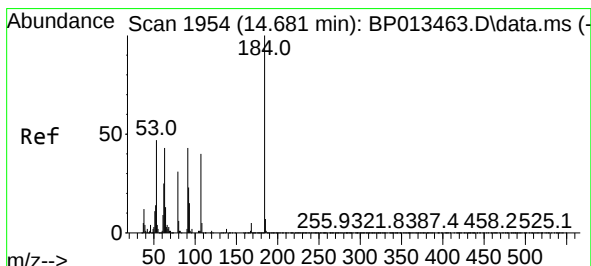
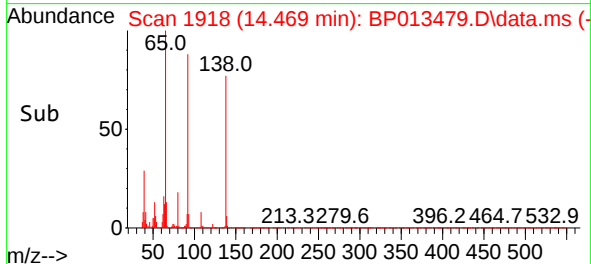
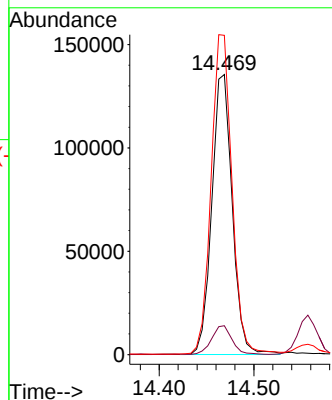
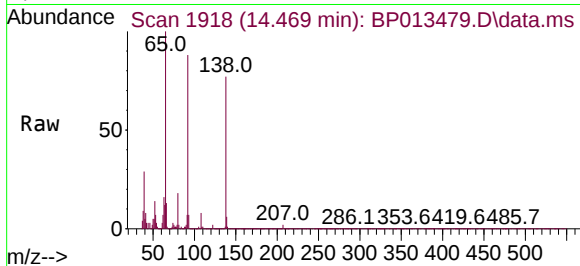
#53
3-Nitroaniline
Concen: 8.212 ng
RT: 14.469 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2022

Tgt Ion:138 Resp: 203714
Ion Ratio Lower Upper
138 100
108 10.3 7.7 11.5
92 114.0 88.2 132.2

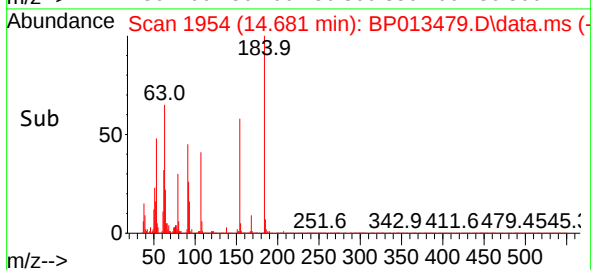
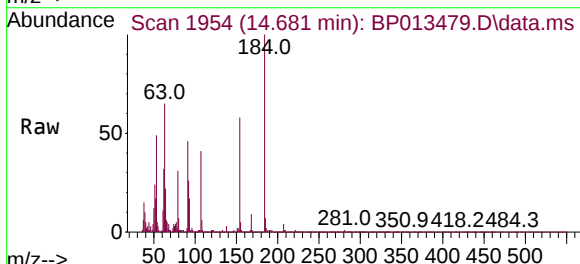
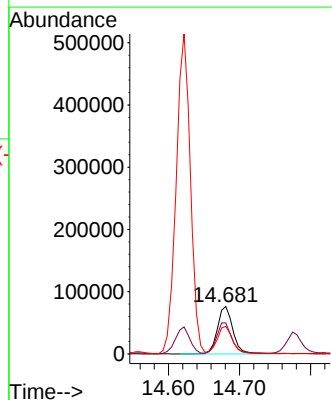
Manual Integrations
APPROVED

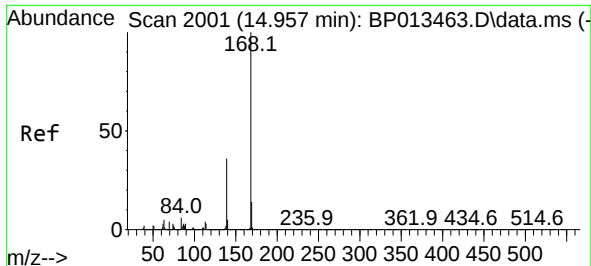
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#54
2,4-Dinitrophenol
Concen: 7.314 ng
RT: 14.681 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

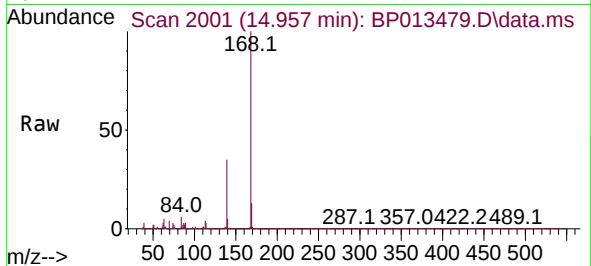
Tgt Ion:184 Resp: 115225
Ion Ratio Lower Upper
184 100
63 65.3 49.8 74.8
154 57.9 45.8 68.8





#55
Dibenzofuran
Concen: 9.462 ng
RT: 14.957 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

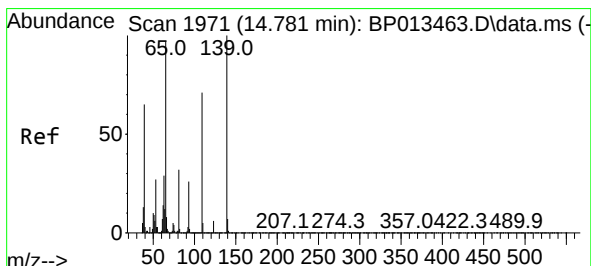
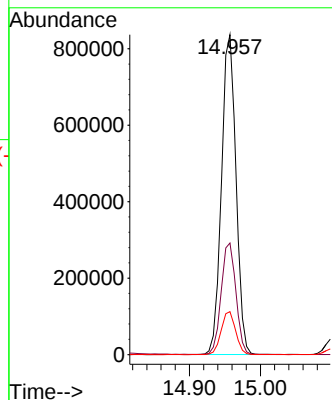
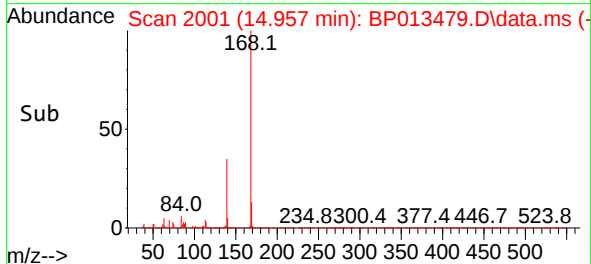
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:168 Resp: 1190153
Ion Ratio Lower Upper
168 100
139 34.9 28.6 43.0
169 13.4 11.0 16.6

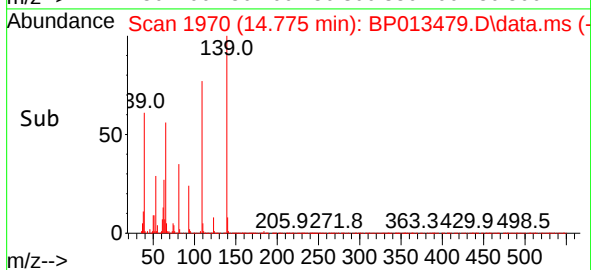
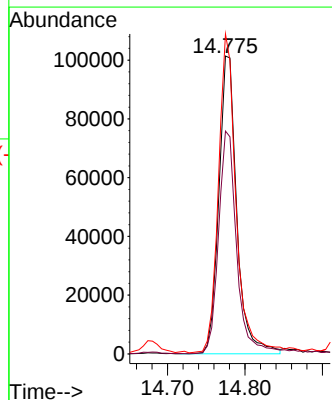
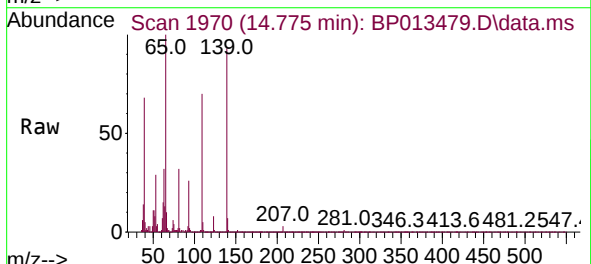
Manual Integrations
APPROVED

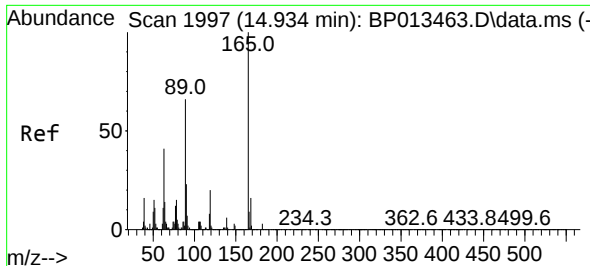
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#56
4-Nitrophenol
Concen: 8.201 ng
RT: 14.775 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

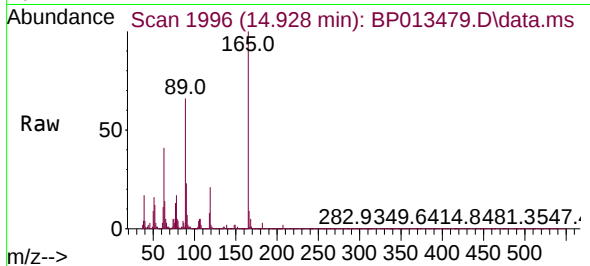
Tgt Ion:139 Resp: 163464
Ion Ratio Lower Upper
139 100
109 74.8 51.0 91.0
65 107.4 77.3 117.3





#57
2,4-Dinitrotoluene
Concen: 8.590 ng
RT: 14.928 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

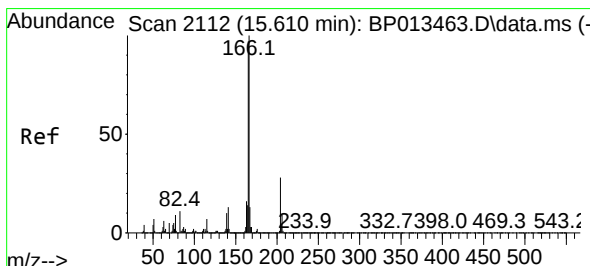
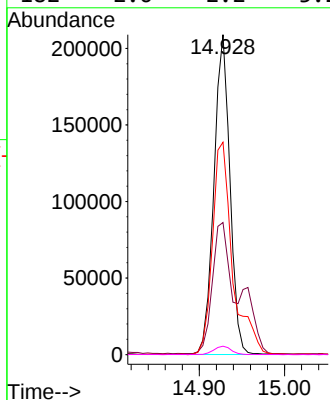
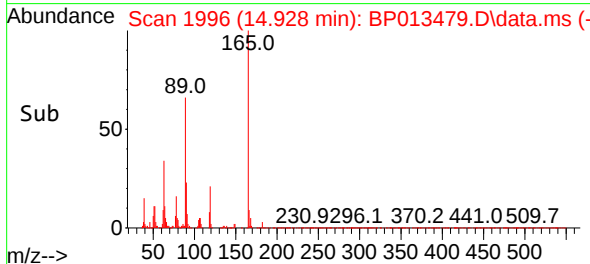
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



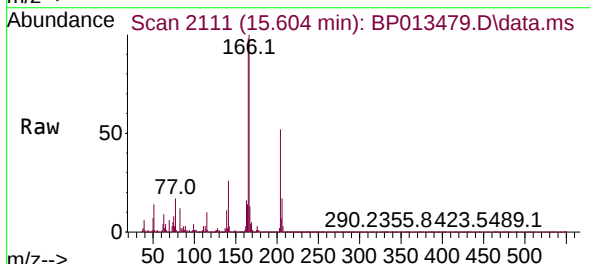
Tgt Ion:165 Resp: 272369
Ion Ratio Lower Upper
165 100
63 41.3 33.3 49.9
89 66.4 52.6 78.8
182 2.6 2.2 3.2

Manual Integrations
APPROVED

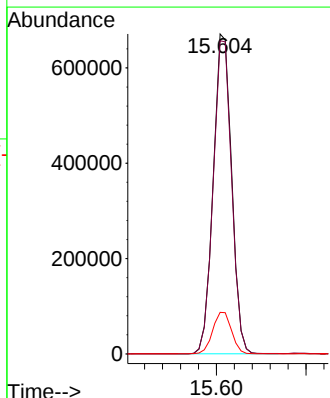
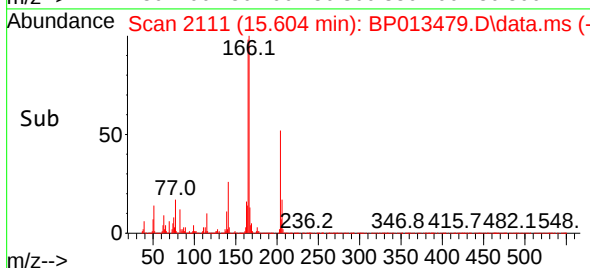
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

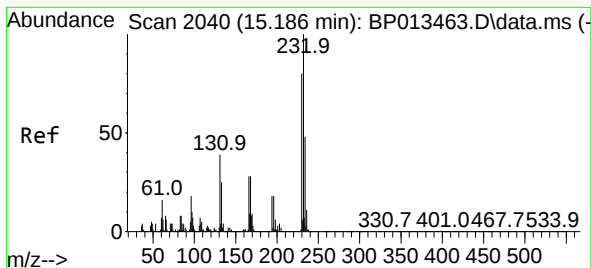


#58
Fluorene
Concen: 9.694 ng
RT: 15.604 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



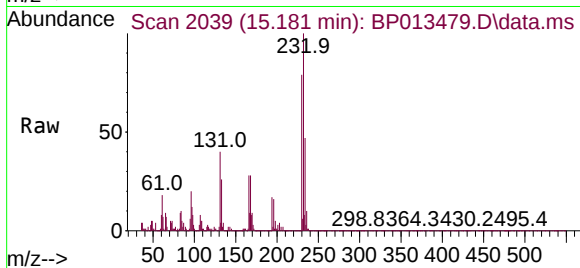
Tgt Ion:166 Resp: 962189
Ion Ratio Lower Upper
166 100
165 97.8 77.9 116.9
167 13.0 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.743 ng
RT: 15.181 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

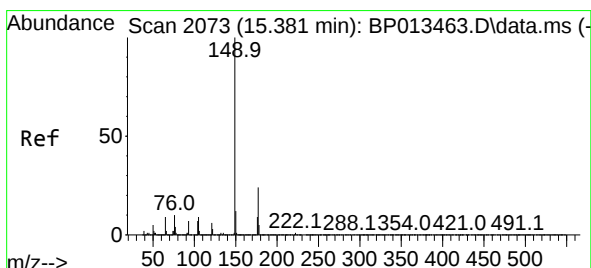
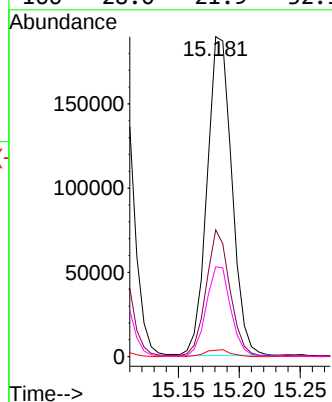
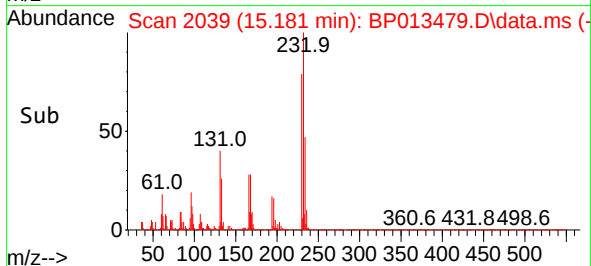
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:232 Resp: 267992
Ion Ratio Lower Upper
232 100
131 38.5 30.3 45.5
130 2.3 1.7 2.5
166 28.0 21.9 32.9

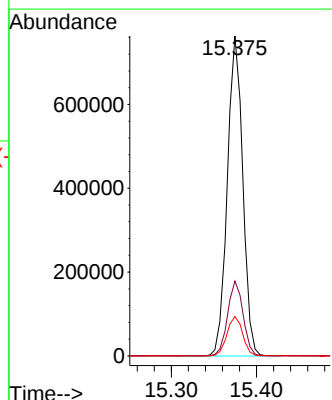
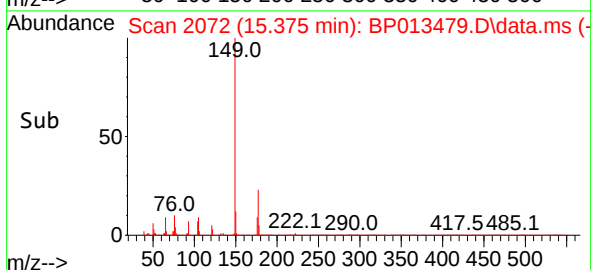
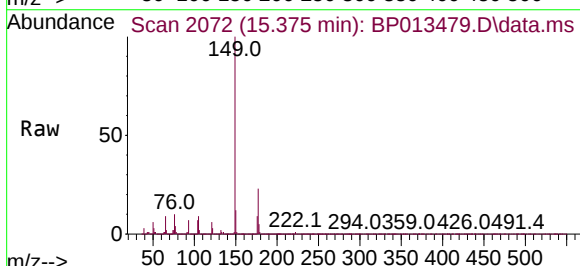
Manual Integrations
APPROVED

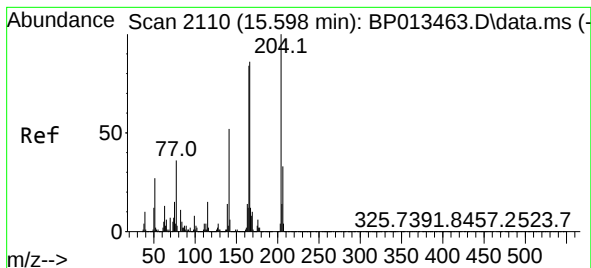
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#60
Diethylphthalate
Concen: 9.224 ng
RT: 15.375 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

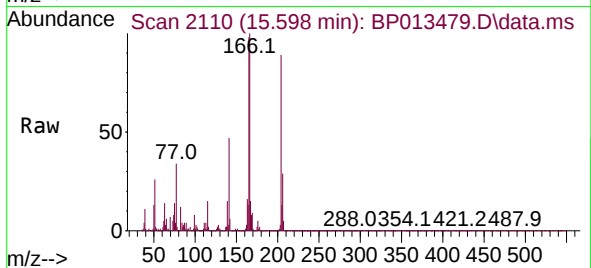
Tgt Ion:149 Resp: 959346
Ion Ratio Lower Upper
149 100
177 23.4 18.8 28.2
150 12.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 9.779 ng
RT: 15.598 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

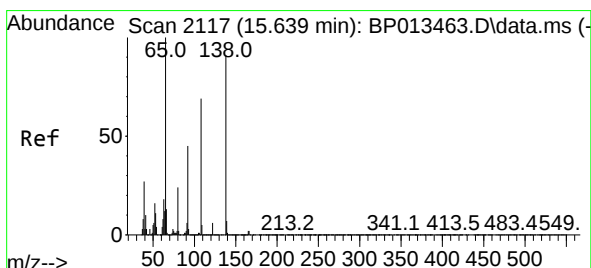
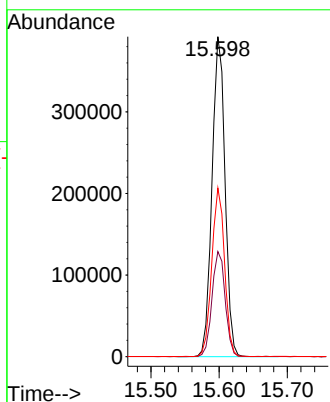
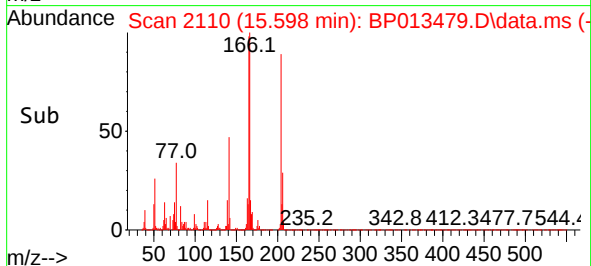
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:204 Resp: 515506
Ion Ratio Lower Upper
204 100
206 32.8 26.4 39.6
141 52.7 41.3 61.9

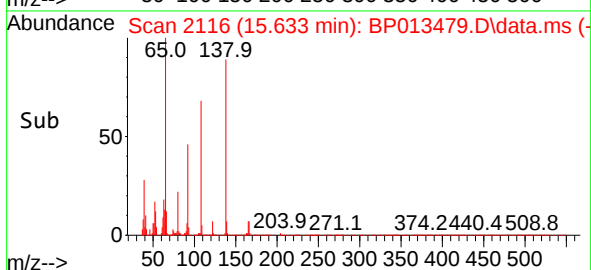
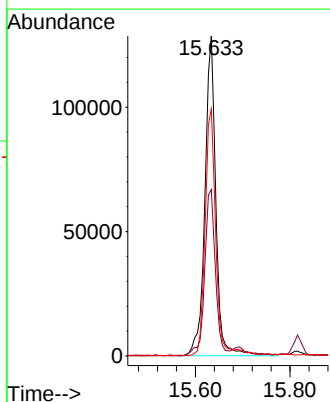
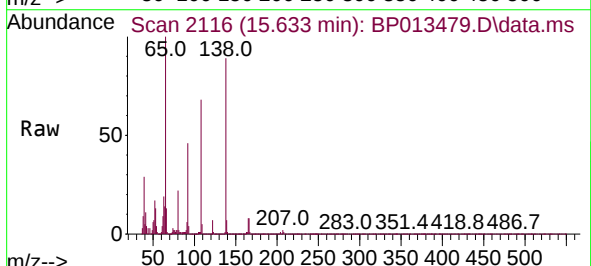
Manual Integrations
APPROVED

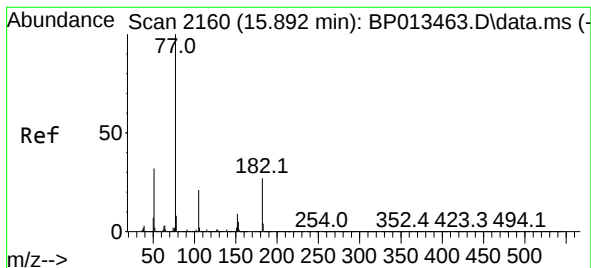
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#62
4-Nitroaniline
Concen: 8.143 ng
RT: 15.633 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

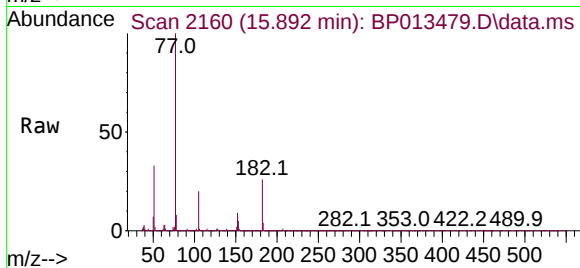
Tgt Ion:138 Resp: 206804
Ion Ratio Lower Upper
138 100
92 52.0 29.7 69.7
108 77.1 55.8 95.8





#63
Azobenzene
Concen: 9.173 ng
RT: 15.892 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

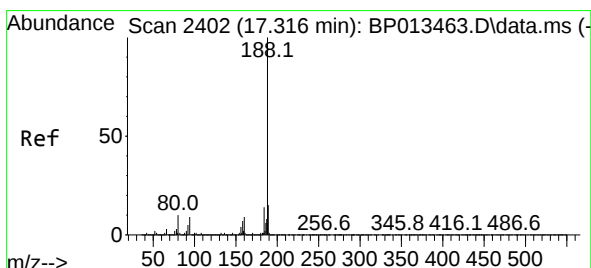
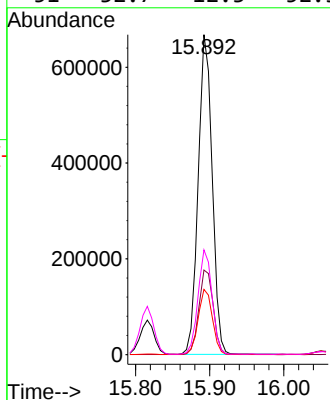
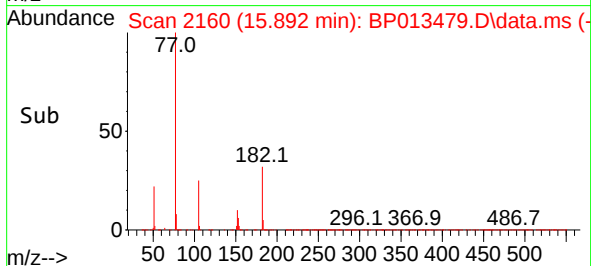
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 77 Resp: 876048
Ion Ratio Lower Upper
77 100
182 26.4 7.0 47.0
105 20.4 1.0 41.0
51 32.7 12.3 52.3

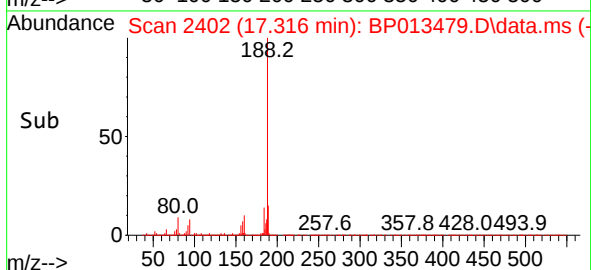
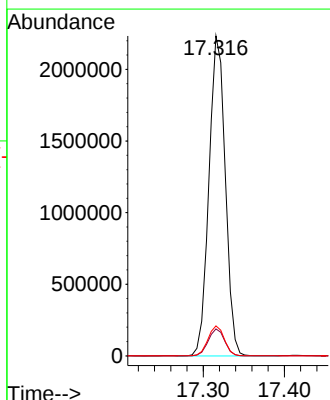
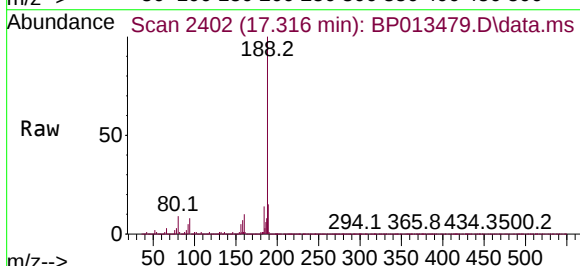
Manual Integrations
APPROVED

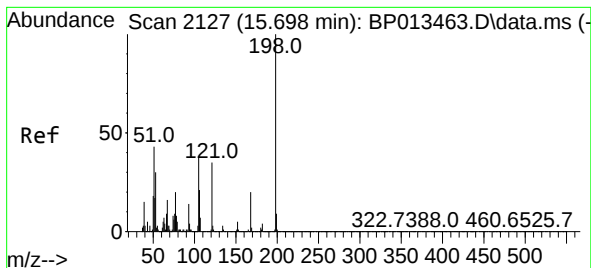
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:188 Resp: 3129511
Ion Ratio Lower Upper
188 100
94 8.4 7.1 10.7
80 9.4 7.9 11.9





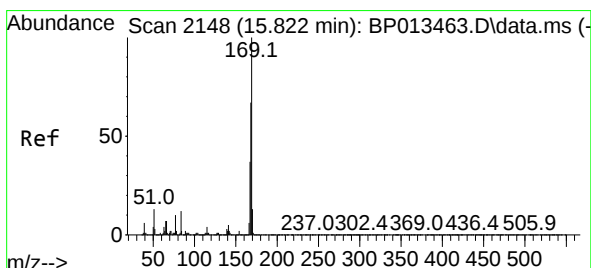
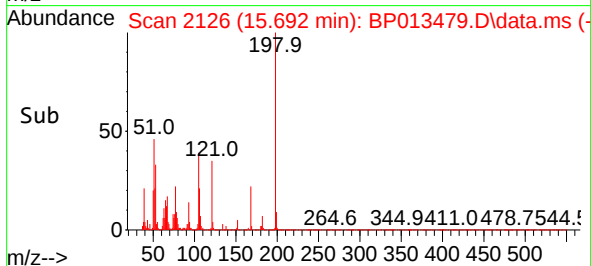
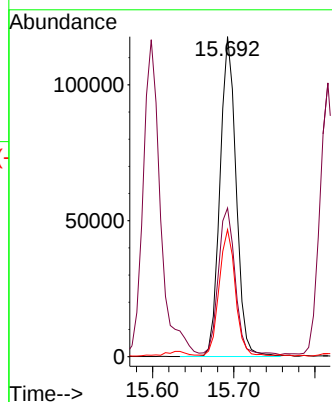
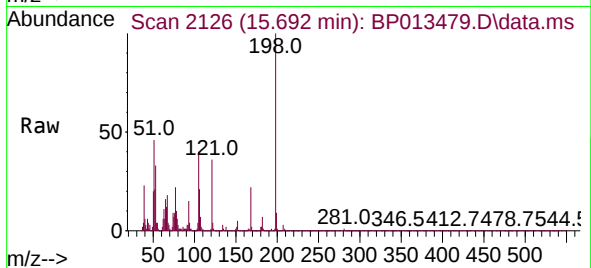
#65
4,6-Dinitro-2-methylphenol
Concen: 7.602 ng
RT: 15.692 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:198 Resp: 162708
Ion Ratio Lower Upper
198 100
51 46.4 23.6 63.6
105 39.7 17.9 57.9

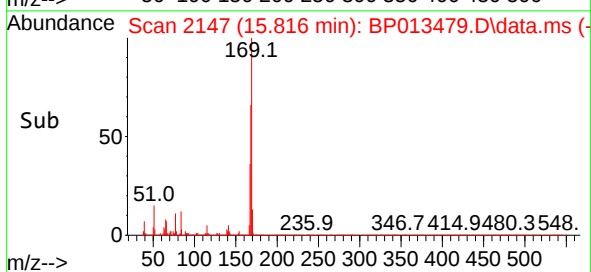
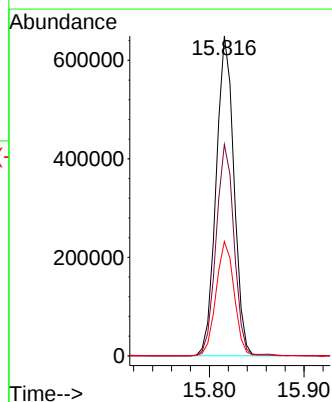
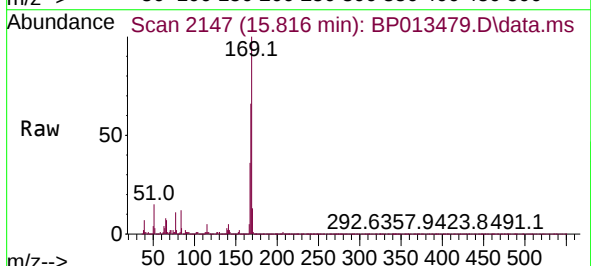
Manual Integrations
APPROVED

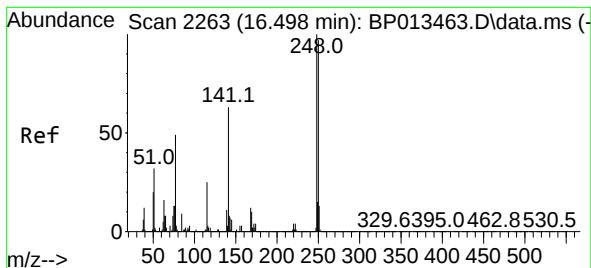
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#66
n-Nitrosodiphenylamine
Concen: 9.235 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

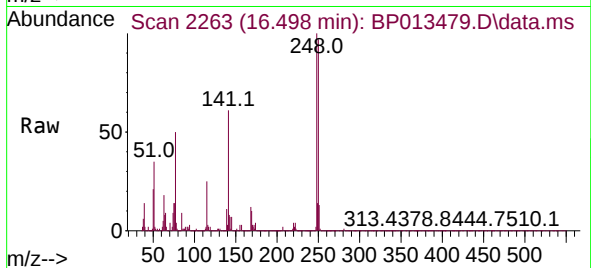
Tgt Ion:169 Resp: 849249
Ion Ratio Lower Upper
169 100
168 66.1 53.3 79.9
167 35.7 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 8.975 ng
RT: 16.498 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

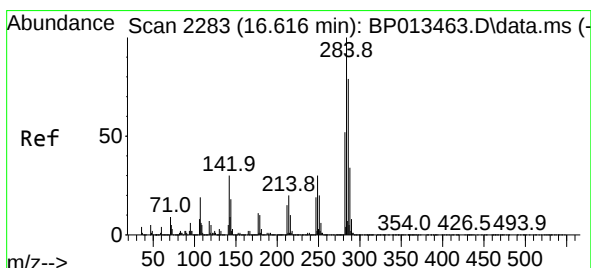
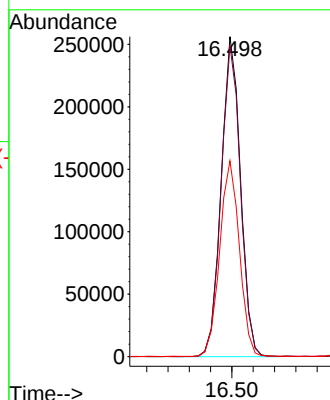
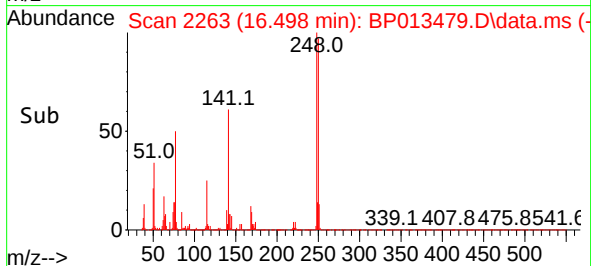
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:248 Resp: 323349
Ion Ratio Lower Upper
248 100
250 97.2 77.7 116.5
141 61.2 50.2 75.4

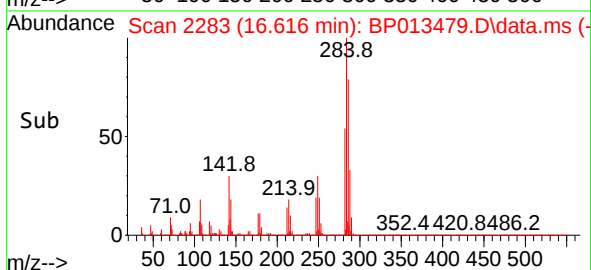
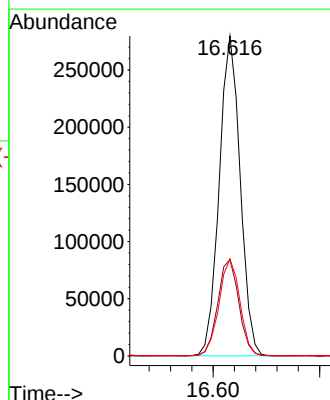
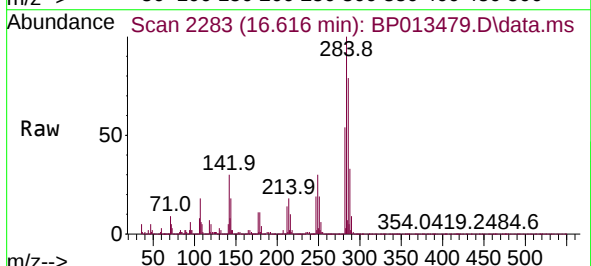
Manual Integrations
APPROVED

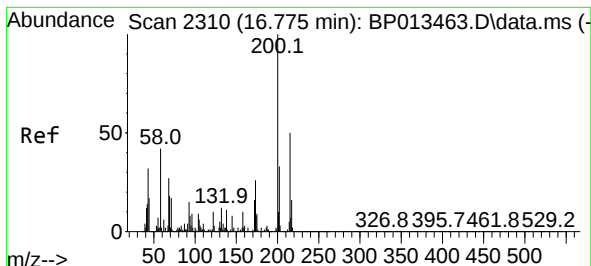
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#68
Hexachlorobenzene
Concen: 9.750 ng
RT: 16.616 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:284 Resp: 382528
Ion Ratio Lower Upper
284 100
142 30.1 23.9 35.9
249 30.3 24.1 36.1





#69

Atrazine

Concen: 9.718 ng

RT: 16.775 min Scan# 2310

Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

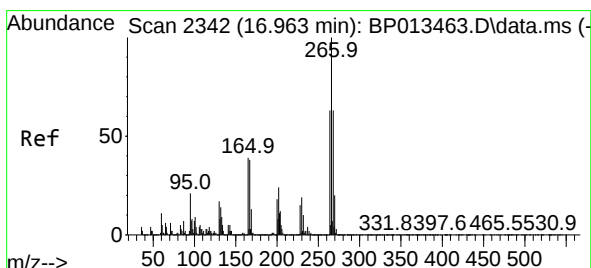
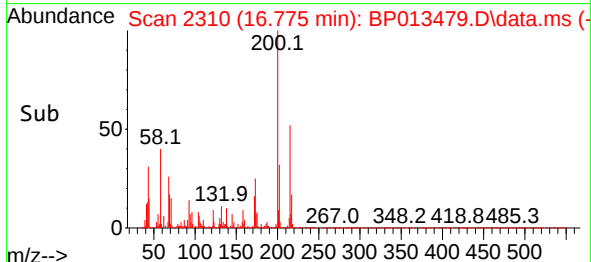
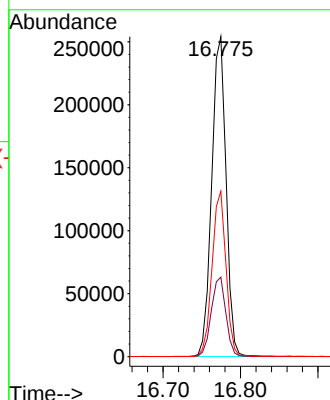
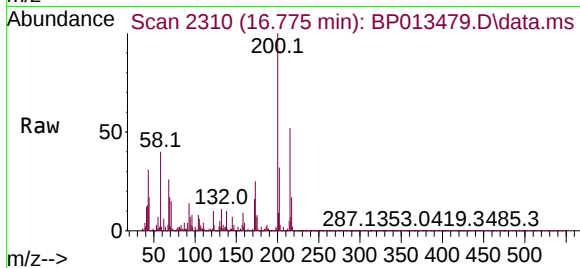
ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:200 Resp: 327307
 Ion Ratio Lower Upper
 200 100
 173 24.8 5.9 45.9
 215 51.7 30.0 70.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#70

Pentachlorophenol

Concen: 7.515 ng

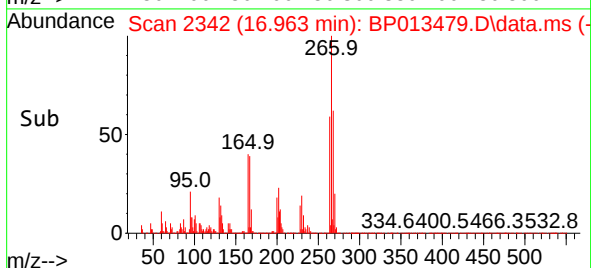
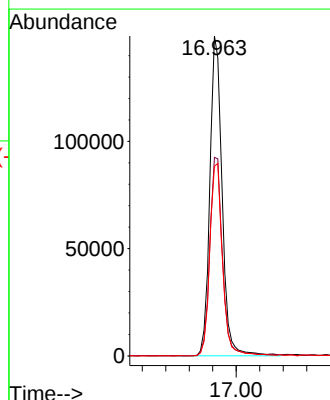
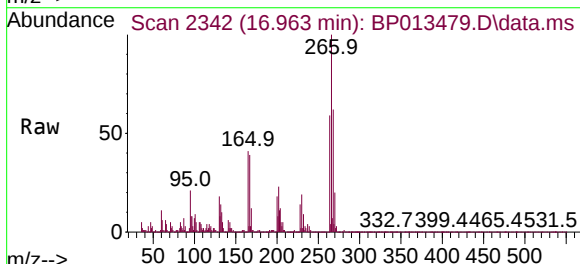
RT: 16.963 min Scan# 2342

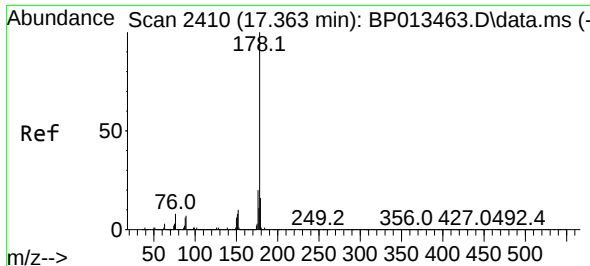
Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Tgt Ion:266 Resp: 216066
 Ion Ratio Lower Upper
 266 100
 268 62.0 50.7 76.1
 264 59.3 50.4 75.6





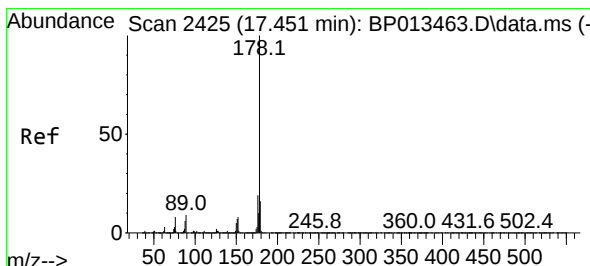
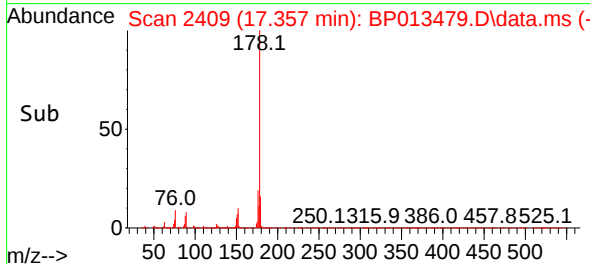
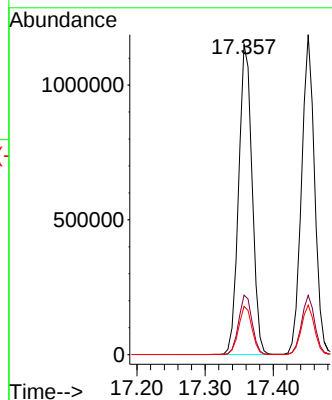
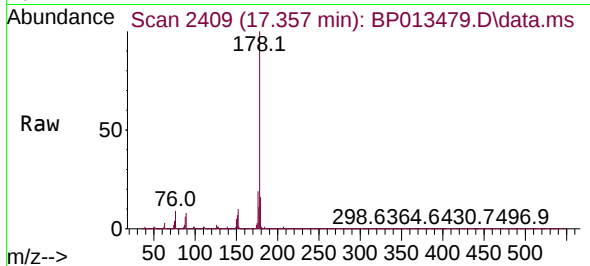
#71
Phenanthrene
Concen: 9.550 ng
RT: 17.357 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:178 Resp: 1576906
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.6 12.6 19.0

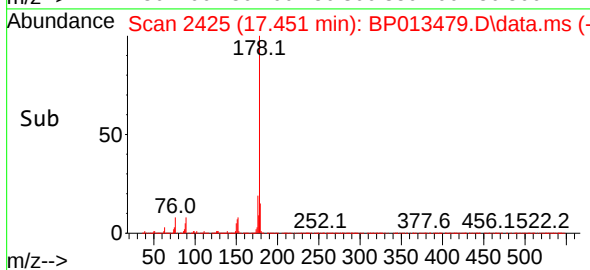
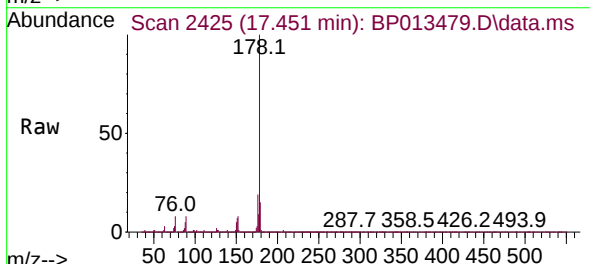
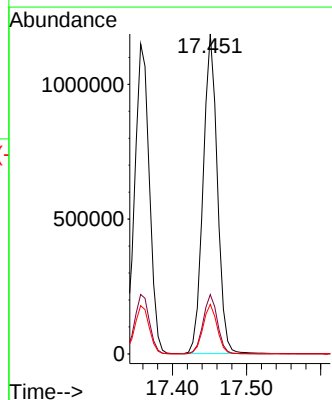
Manual Integrations
APPROVED

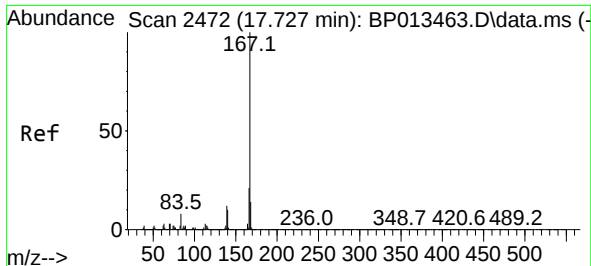
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#72
Anthracene
Concen: 9.406 ng
RT: 17.451 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

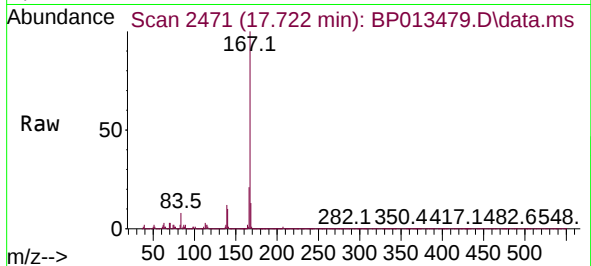
Tgt Ion:178 Resp: 1580371
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.5 12.6 18.8





#73
 Carbazole
 Concen: 9.482 ng
 RT: 17.722 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BP013479.D
 Acq: 16 Jan 2023 13:35

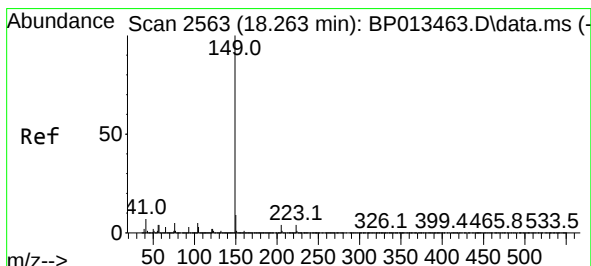
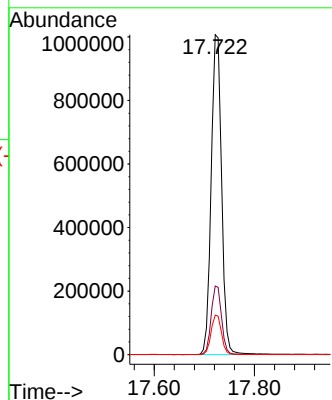
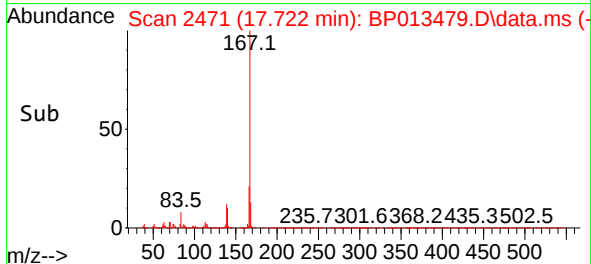
Instrument : BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



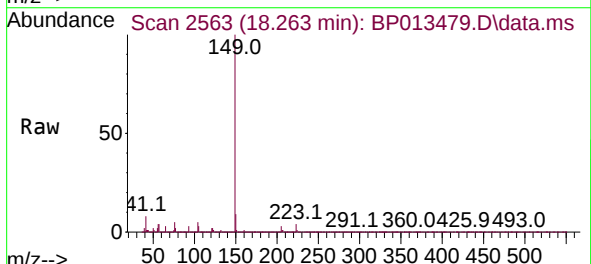
Tgt Ion:167 Resp: 1451042
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.2 25.8
 139 12.4 9.9 14.9

Manual Integrations
 APPROVED

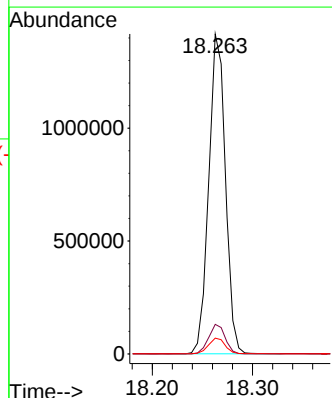
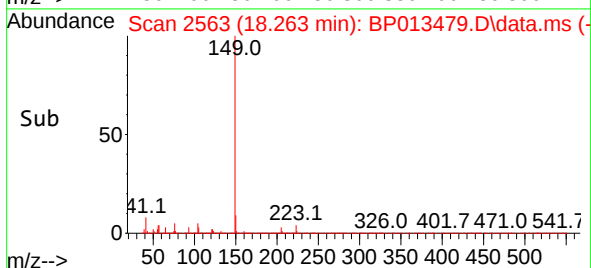
Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023

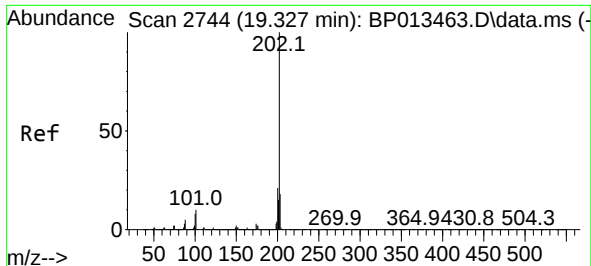


#74
 Di-n-butylphthalate
 Concen: 9.205 ng
 RT: 18.263 min Scan# 2563
 Delta R.T. -0.000 min
 Lab File: BP013479.D
 Acq: 16 Jan 2023 13:35



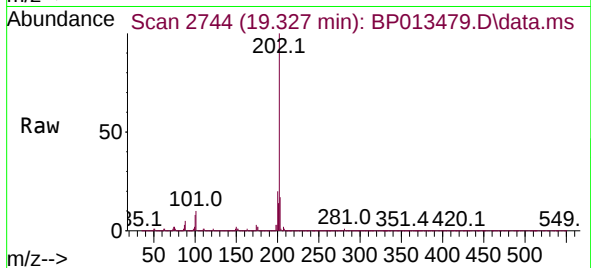
Tgt Ion:149 Resp: 1635100
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 9.783 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

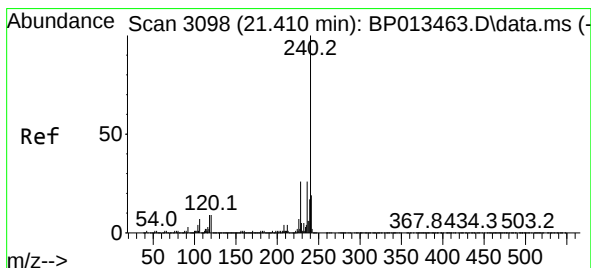
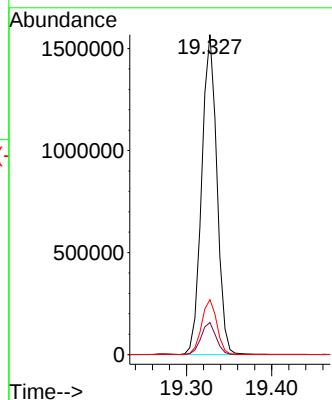
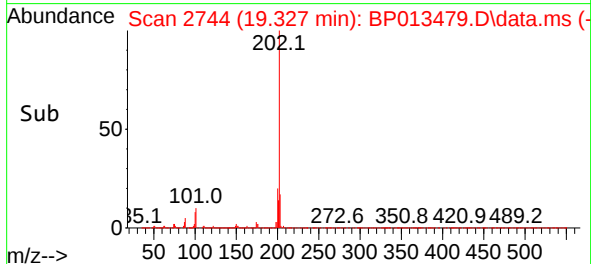
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:202 Resp: 1940349
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.3
203 17.2 0.0 37.9

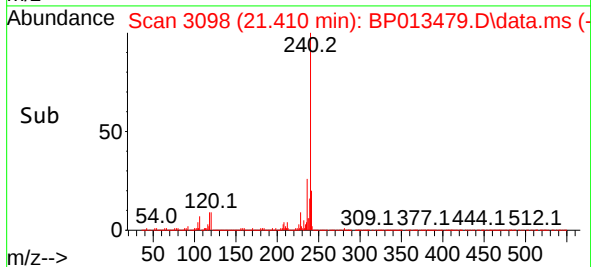
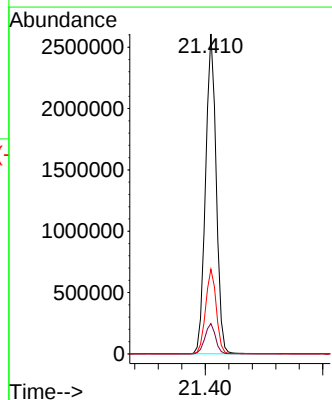
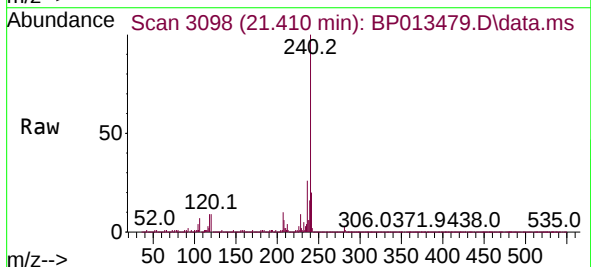
Manual Integrations
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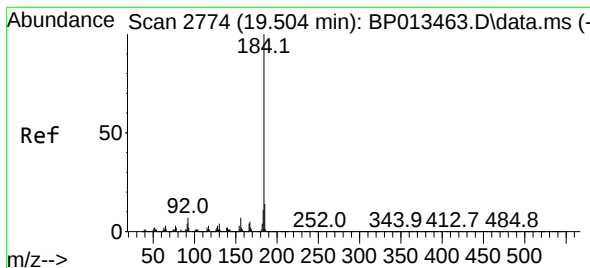
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:240 Resp: 3280409
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.5 21.2 31.8





#77

Benzidine

Concen: 11.603 ng

RT: 19.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:184 Resp: 1130980

Ion Ratio Lower Upper

184 100

185 14.1 11.3 16.9

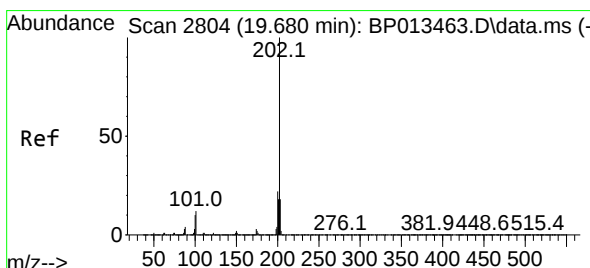
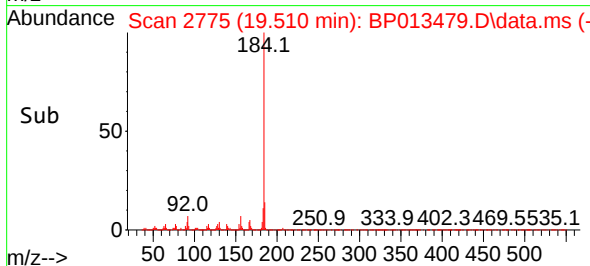
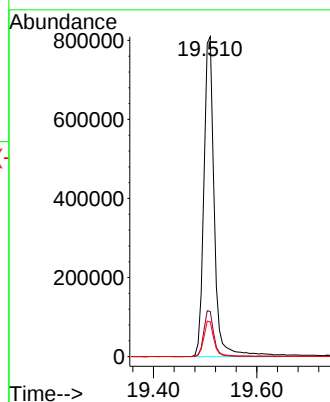
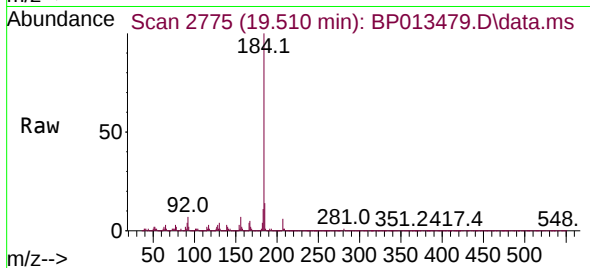
183 10.9 9.1 13.7

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#78

Pyrene

Concen: 9.458 ng

RT: 19.680 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

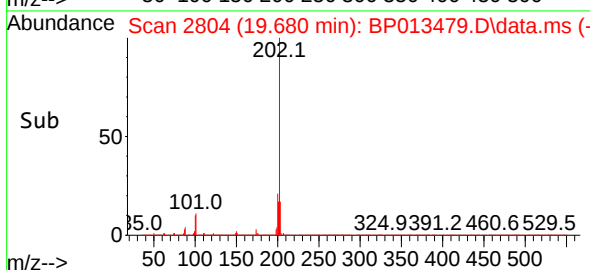
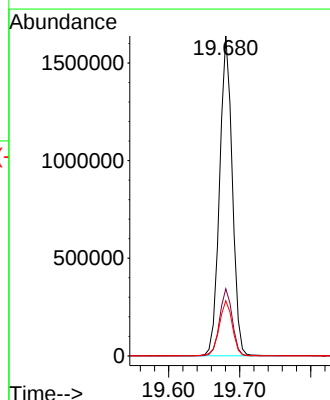
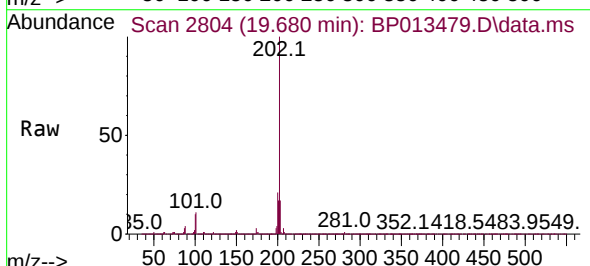
Tgt Ion:202 Resp: 2040681

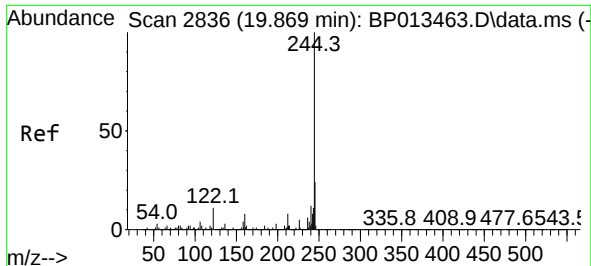
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 17.2 14.6 21.8





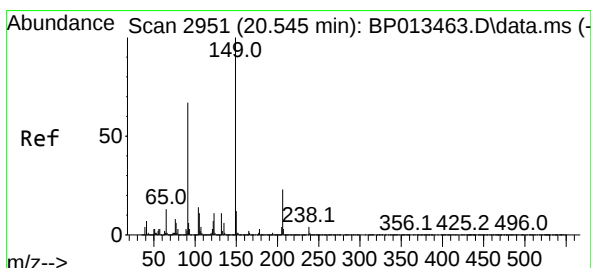
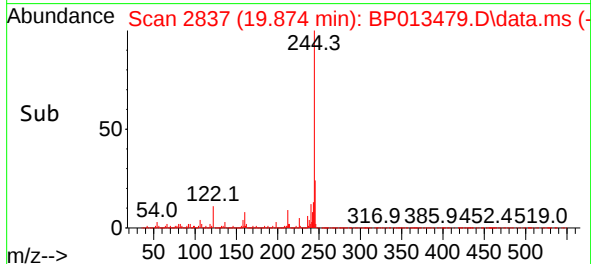
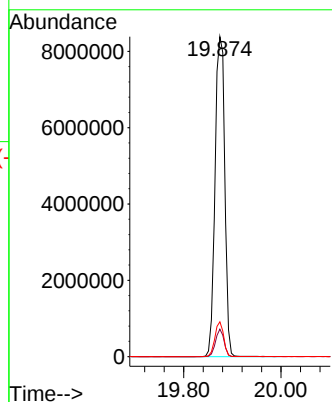
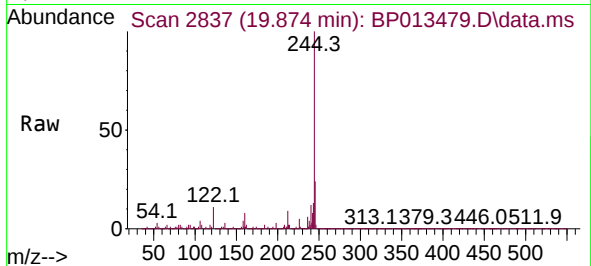
#79
 Terphenyl-d14
 Concen: 72.510 ng
 RT: 19.874 min Scan# 2836
 Delta R.T. 0.005 min
 Lab File: BP013479.D
 Acq: 16 Jan 2023 13:35

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Tgt Ion:244 Resp:11634676
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.8 10.2
 122 10.9 8.8 13.2

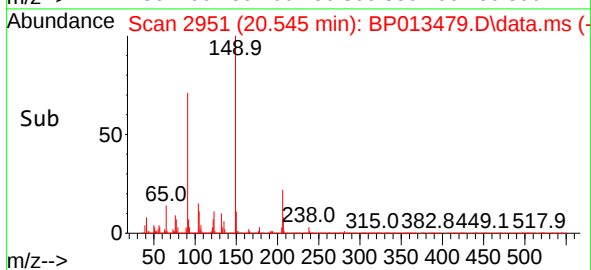
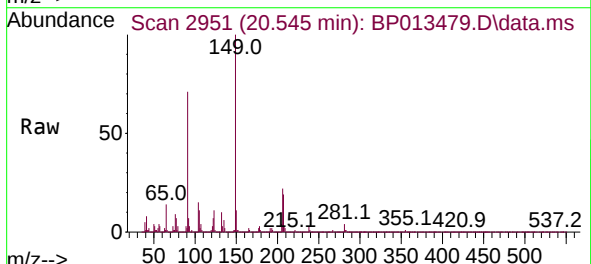
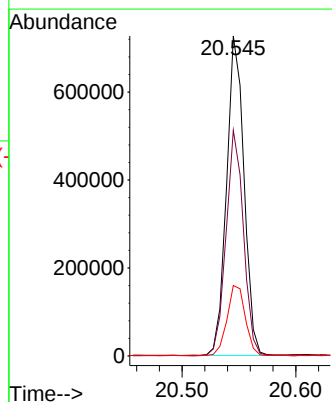
Manual Integrations
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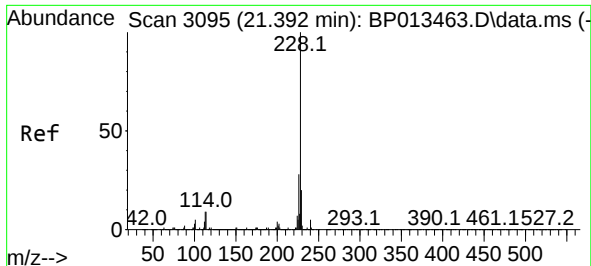
Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#80
 Butylbenzylphthalate
 Concen: 8.317 ng
 RT: 20.545 min Scan# 2951
 Delta R.T. -0.000 min
 Lab File: BP013479.D
 Acq: 16 Jan 2023 13:35

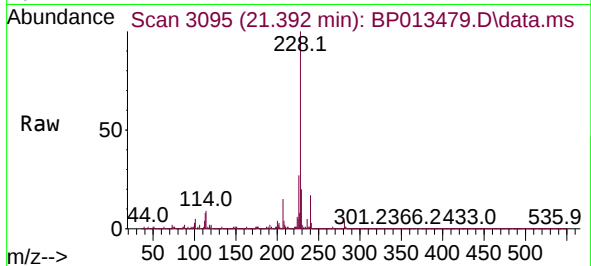
Tgt Ion:149 Resp: 775693
 Ion Ratio Lower Upper
 149 100
 91 70.5 53.2 79.8
 206 22.0 18.8 28.2





#81
Benzo(a)anthracene
Concen: 9.775 ng
RT: 21.392 min Scan# 3095
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

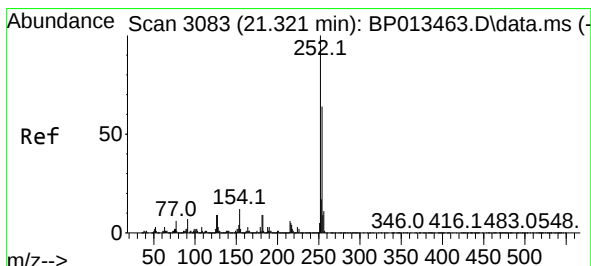
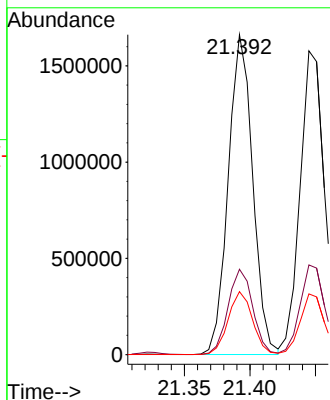
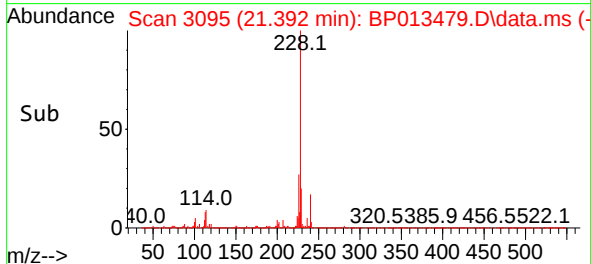
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



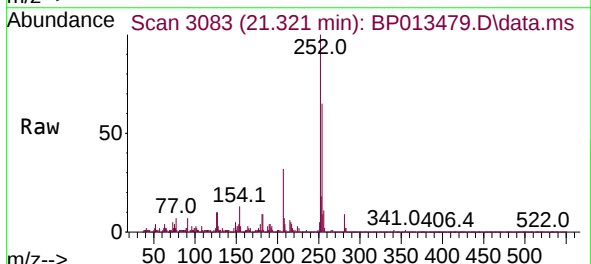
Tgt Ion:228 Resp: 2159476
Ion Ratio Lower Upper
228 100
226 26.7 22.6 34.0
229 19.7 16.4 24.6

Manual Integrations
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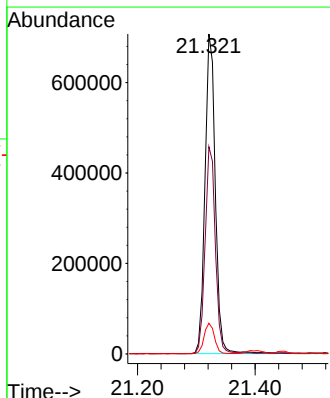
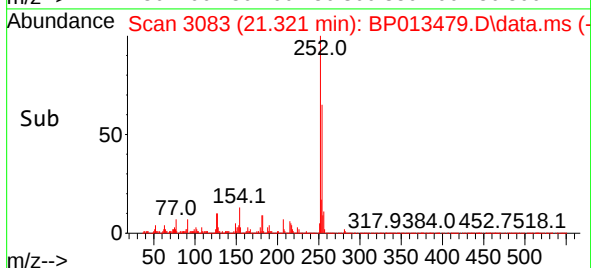
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

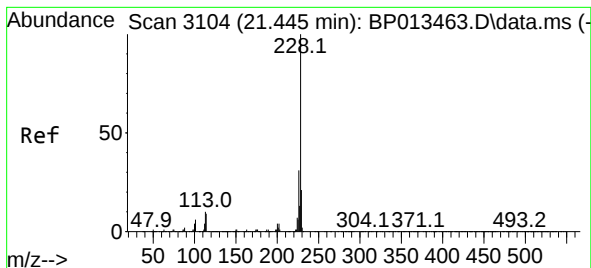


#82
3,3'-Dichlorobenzidine
Concen: 10.459 ng
RT: 21.321 min Scan# 3083
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35



Tgt Ion:252 Resp: 863295
Ion Ratio Lower Upper
252 100
254 64.7 51.0 76.6
126 9.6 7.6 11.4





#83

Chrysene

Concen: 9.744 ng

RT: 21.445 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

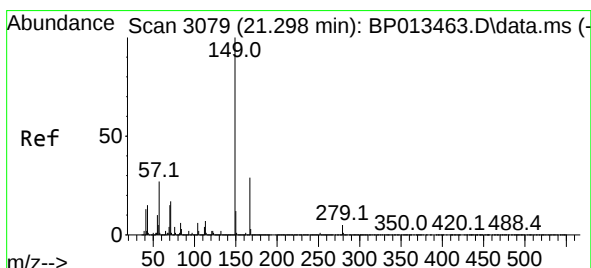
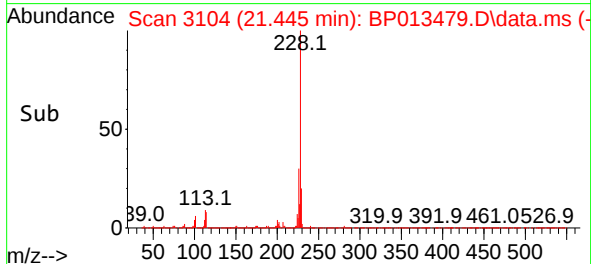
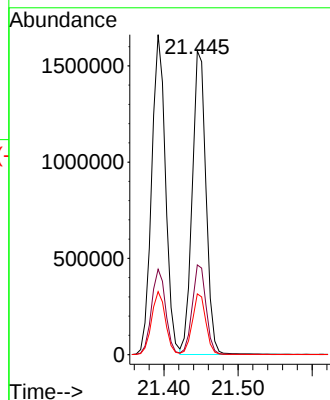
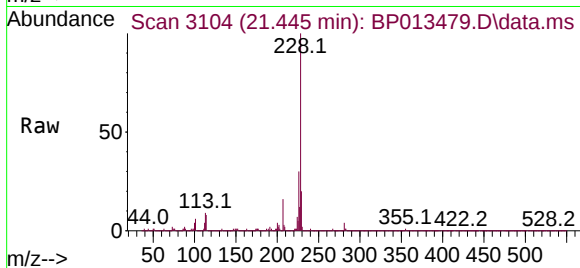
Tgt Ion:228 Resp: 203384

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.1	37.7
229	20.0	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.781 ng

RT: 21.304 min Scan# 3080

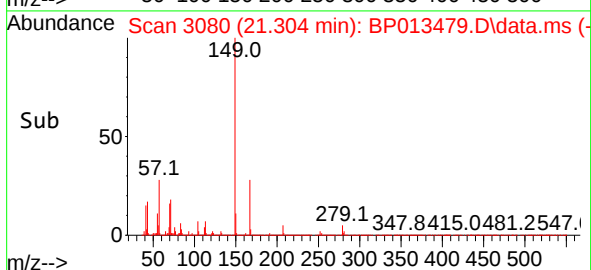
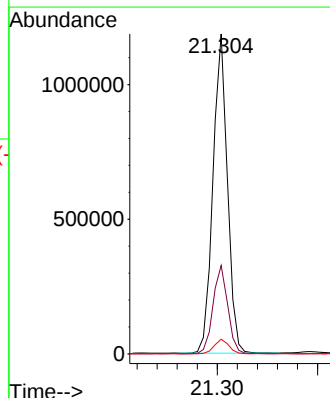
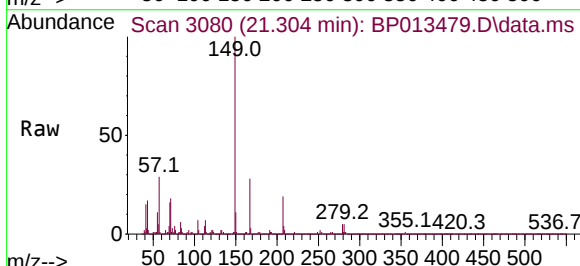
Delta R.T. 0.006 min

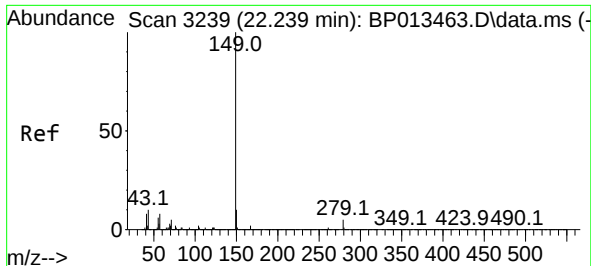
Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Tgt Ion:149 Resp: 1185187

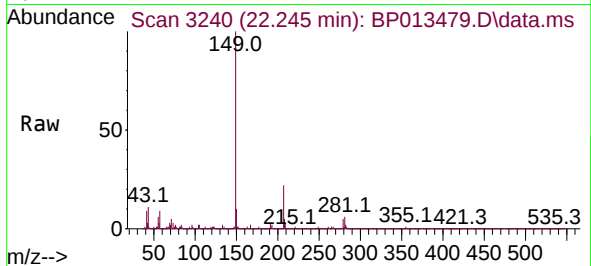
Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.0	34.4
279	4.6	3.9	5.9





#85
Di-n-octyl phthalate
Concen: 9.029 ng
RT: 22.245 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

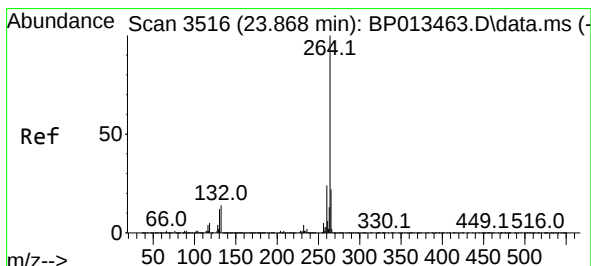
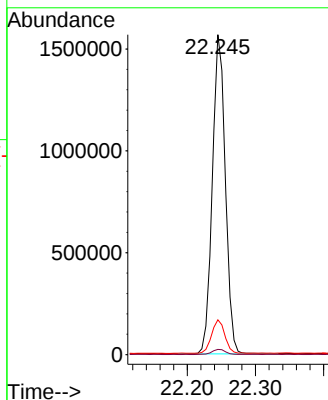
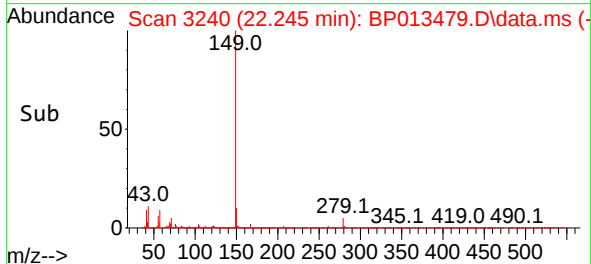
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:149 Resp: 2068773
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.6 7.9 11.9

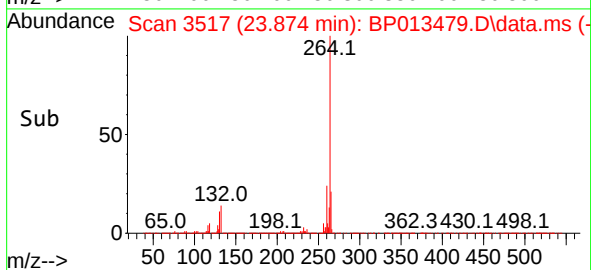
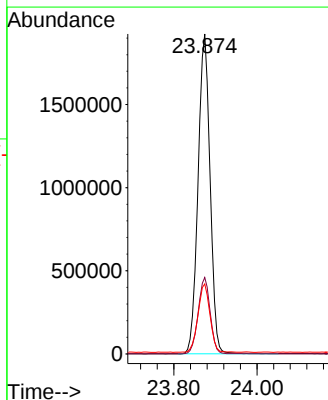
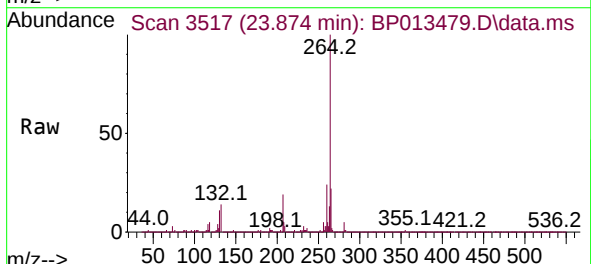
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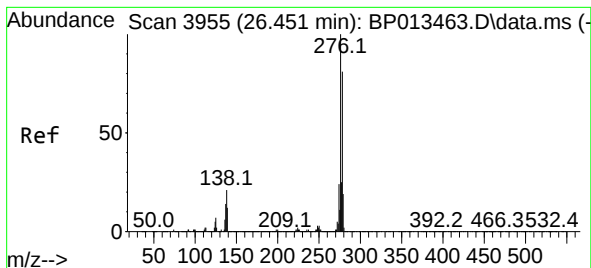
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.874 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:264 Resp: 3861746
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.9 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.069 ng

RT: 26.445 min Scan# 3955

Delta R.T. -0.006 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:276 Resp: 253284

Ion Ratio Lower Upper

276 100

138 21.2 17.0 25.4

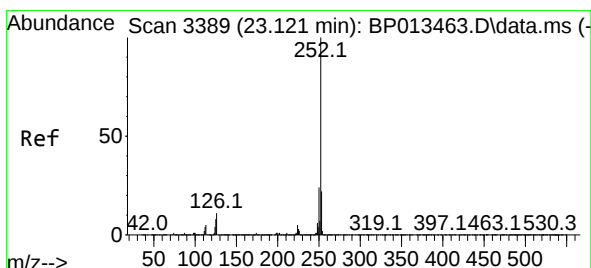
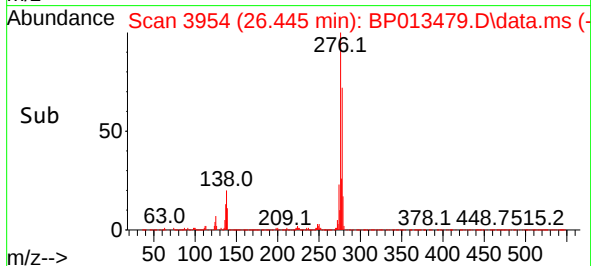
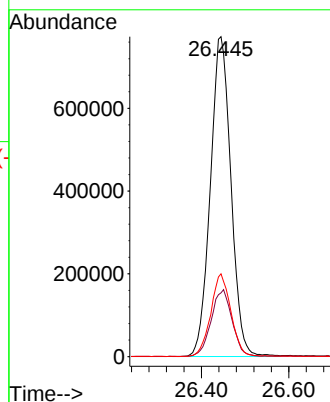
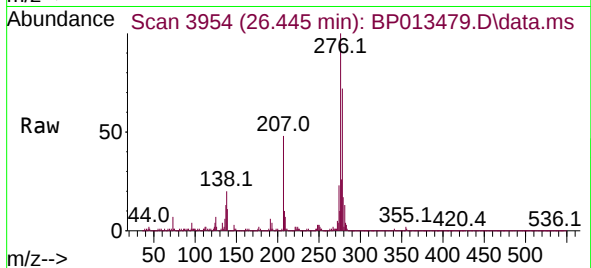
277 25.3 20.4 30.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#88

Benzo(b)fluoranthene

Concen: 9.717 ng

RT: 23.115 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BP013479.D

Acq: 16 Jan 2023 13:35

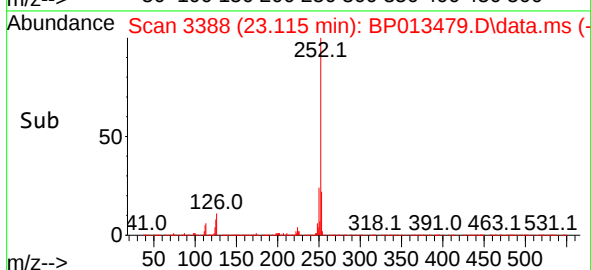
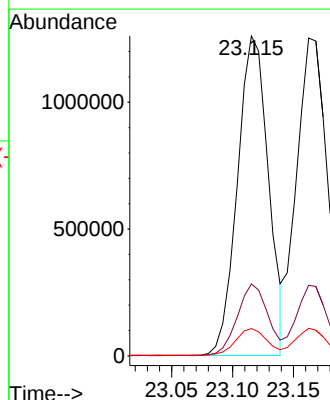
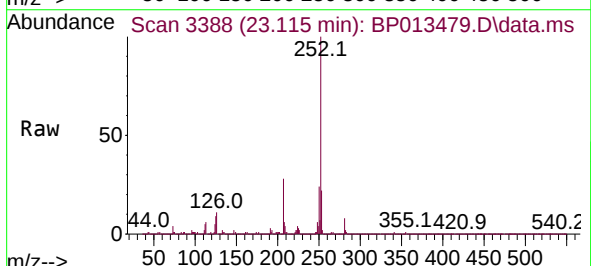
Tgt Ion:252 Resp: 2228114

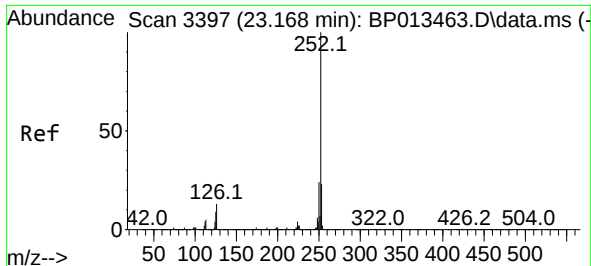
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

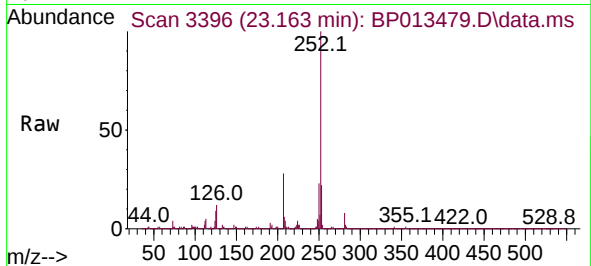
125 8.5 6.7 10.1





#89
Benzo(k)fluoranthene
Concen: 10.052 ng
RT: 23.163 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

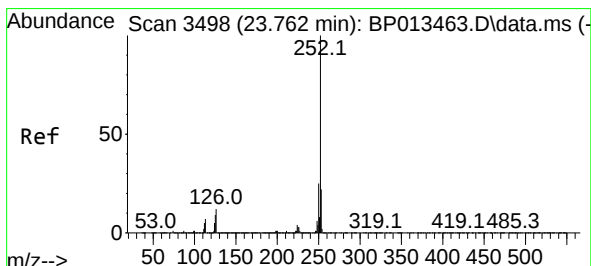
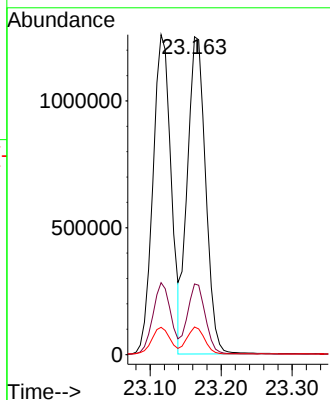
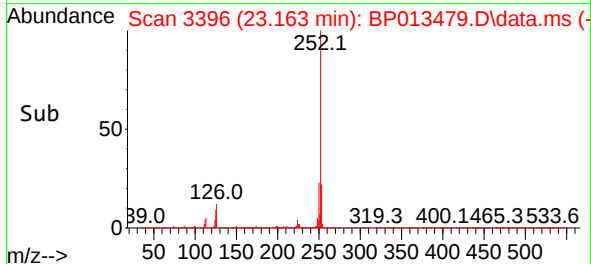
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:252 Resp: 2237038
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 8.7 6.9 10.3

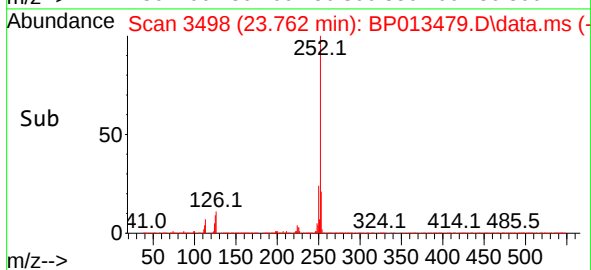
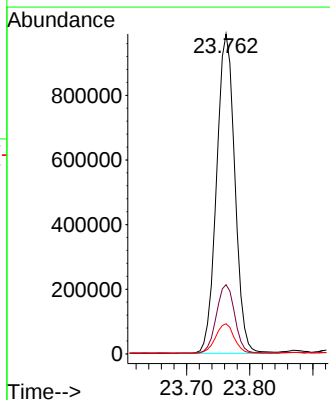
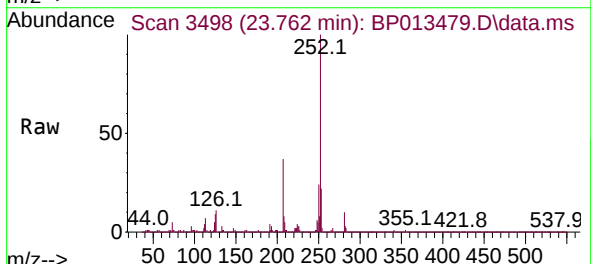
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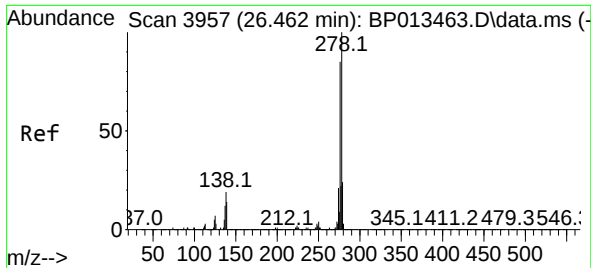
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#90
Benzo(a)pyrene
Concen: 8.835 ng
RT: 23.762 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:252 Resp: 1990062
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 9.4 7.6 11.4





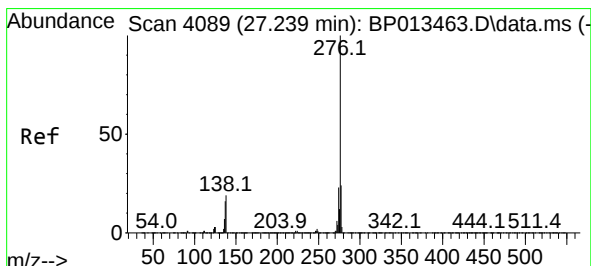
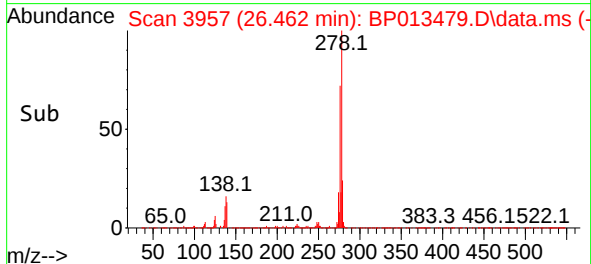
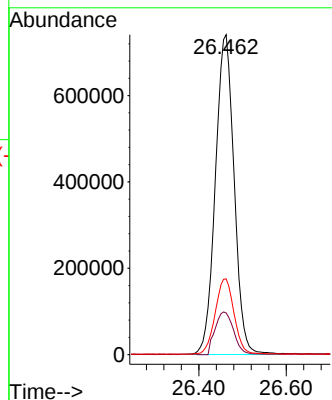
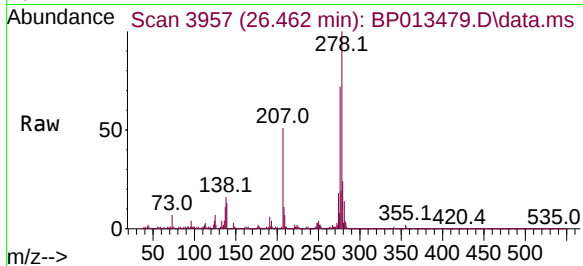
#91
Dibenzo(a,h)anthracene
Concen: 9.511 ng
RT: 26.462 min Scan# 3957
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2022

Tgt Ion:278 Resp: 2211645
Ion Ratio Lower Upper
278 100
139 13.0 11.1 16.7
279 23.7 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#92
Benzo(g,h,i)perylene
Concen: 9.496 ng
RT: 27.239 min Scan# 4089
Delta R.T. -0.000 min
Lab File: BP013479.D
Acq: 16 Jan 2023 13:35

Tgt Ion:276 Resp: 2178836
Ion Ratio Lower Upper
276 100
277 23.6 19.3 28.9
138 18.0 15.3 22.9

