

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
 Data File : BP021502.D
 Acq On : 14 Aug 2024 16:30
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-10ng
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 14 17:04:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 17:03:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	329961	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1454336	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	934945	20.000	ng	-0.01
64) Phenanthrene-d10	17.245	188	1917404	20.000	ng	0.00
76) Chrysene-d12	21.692	240	1782628	20.000	ng	0.00
86) Perylene-d12	25.092	264	1858884	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2691680	121.129	ng	0.00
7) Phenol-d6	6.958	99	3950656	121.873	ng	0.00
23) Nitrobenzene-d5	8.952	82	2586372	91.791	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1281445	123.150	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	5172553	84.434	ng	0.00
79) Terphenyl-d14	19.969	244	7483171	81.552	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	105607	10.023	ng	99
3) Pyridine	3.705	79	264389	8.989	ng	99
4) n-Nitrosodimethylamine	3.617	42	90150	10.197	ng	# 95
6) Aniline	7.128	93	383904	11.846	ng	99
8) 2-Chlorophenol	7.369	128	211604	10.304	ng	99
9) Benzaldehyde	6.946	77	258511	12.455	ng	100
10) Phenol	6.987	94	336266	10.017	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	290478	10.227	ng	99
12) 1,3-Dichlorobenzene	7.693	146	236297	9.687	ng	97
13) 1,4-Dichlorobenzene	7.840	146	241532	9.806	ng	98
14) 1,2-Dichlorobenzene	8.158	146	231798	9.766	ng	100
15) Benzyl Alcohol	8.028	79	247450	10.639	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.322	45	284946	10.894	ng	98
17) 2-Methylphenol	8.228	107	209116	9.854	ng	99
18) Hexachloroethane	8.887	117	98222	9.944	ng	100
19) n-Nitroso-di-n-propyla...	8.599	70	240730	10.751	ng	98
20) 3+4-Methylphenols	8.552	107	283014	9.891	ng	99
22) Acetophenone	8.610	105	455623	10.198	ng	# 98
24) Nitrobenzene	8.987	77	326870	10.681	ng	98
25) Isophorone	9.510	82	670161	10.068	ng	99
26) 2-Nitrophenol	9.699	139	60427	12.868	ng	88
27) 2,4-Dimethylphenol	9.757	122	154169	9.385	ng	97
28) bis(2-Chloroethoxy)met...	9.999	93	413352	10.173	ng	100
29) 2,4-Dichlorophenol	10.228	162	186086	9.587	ng	96
30) 1,2,4-Trichlorobenzene	10.452	180	233681	9.391	ng	99
31) Naphthalene	10.640	128	742802	9.777	ng	99
32) Benzoic acid	9.810	122	64975m	11.152	ng	
33) 4-Chloroaniline	10.734	127	299690	10.501	ng	96
34) Hexachlorobutadiene	10.934	225	145733	9.301	ng	97
35) Caprolactam	11.469	113	73912	9.149	ng	97
36) 4-Chloro-3-methylphenol	11.857	107	254067	9.436	ng	96
37) 2-Methylnaphthalene	12.257	142	510874	9.852	ng	99
38) 1-Methylnaphthalene	12.475	142	478868	9.364	ng	97
40) 1,2,4,5-Tetrachloroben...	12.628	216	281450	10.274	ng	99
41) Hexachlorocyclopentadiene	12.616	237	95624	11.014	ng	98
43) 2,4,6-Trichlorophenol	12.857	196	144544	9.499	ng	96

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Manual Integrations
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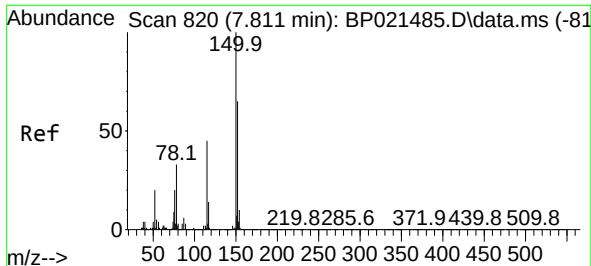
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	166071	9.823	ng	97
46) 1,1'-Biphenyl	13.269	154	689055	10.417	ng	98
47) 2-Chloronaphthalene	13.310	162	522187	10.140	ng	99
48) 2-Nitroaniline	13.504	65	116774	9.753	ng	100
49) Acenaphthylene	14.163	152	822307	10.862	ng	100
50) Dimethylphthalate	13.898	163	636055	10.159	ng	99
51) 2,6-Dinitrotoluene	14.010	165	100597	10.986	ng	96
52) Acenaphthene	14.510	154	491747	9.900	ng	98
53) 3-Nitroaniline	14.334	138	104944	11.480	ng	# 91
54) 2,4-Dinitrophenol	14.540	184	23731	7.349	ng	# 81
55) Dibenzofuran	14.851	168	790929	10.351	ng	99
56) 4-Nitrophenol	14.634	139	74964	8.228	ng	92
57) 2,4-Dinitrotoluene	14.798	165	114010	10.922	ng	97
58) Fluorene	15.504	166	634821	10.113	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.075	232	143015	9.966	ng	99
60) Diethylphthalate	15.287	149	632766	9.850	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	332935	10.260	ng	98
62) 4-Nitroaniline	15.504	138	102790	10.495	ng	87
63) Azobenzene	15.810	77	827126	10.474	ng	99
65) 4,6-Dinitro-2-methylph...	15.575	198	35438	12.065	ng	95
66) n-Nitrosodiphenylamine	15.728	169	533507	10.383	ng	100
67) 4-Bromophenyl-phenylether	16.428	248	189930	9.359	ng	96
68) Hexachlorobenzene	16.539	284	234038	9.759	ng	97
69) Atrazine	16.704	200	181876	10.309	ng	99
70) Pentachlorophenol	16.881	266	101070	7.722	ng	96
71) Phenanthrene	17.292	178	959910	10.410	ng	100
72) Anthracene	17.392	178	917929	10.150	ng	100
73) Carbazole	17.657	167	848534	9.736	ng	99
74) Di-n-butylphthalate	18.263	149	992028	9.268	ng	99
75) Fluoranthene	19.375	202	1066662	9.428	ng	99
77) Benzidine	19.569	184	389999	10.428	ng	98
78) Pyrene	19.745	202	1118309	9.598	ng	100
80) Butylbenzylphthalate	20.704	149	318595	9.839	ng	93
81) Benzo(a)anthracene	21.674	228	1113040	9.946	ng	99
82) 3,3'-Dichlorobenzidine	21.598	252	359119	10.009	ng	97
83) Chrysene	21.745	228	1035221	9.798	ng	99
84) Bis(2-ethylhexyl)phtha...	21.639	149	592518	10.130	ng	99
85) Di-n-octyl phthalate	22.957	149	807047	11.083	ng	98
87) Indeno(1,2,3-cd)pyrene	28.968	276	1186146m	9.844	ng	
88) Benzo(b)fluoranthene	24.027	252	1022599	9.578	ng	99
89) Benzo(k)fluoranthene	24.098	252	1058423	10.163	ng	99
90) Benzo(a)pyrene	24.939	252	933021	10.071	ng	99
91) Dibenzo(a,h)anthracene	29.056	278	986640	9.855	ng	99
92) Benzo(g,h,i)perylene	30.168	276	932496	9.293	ng	97

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

Manual Integrations

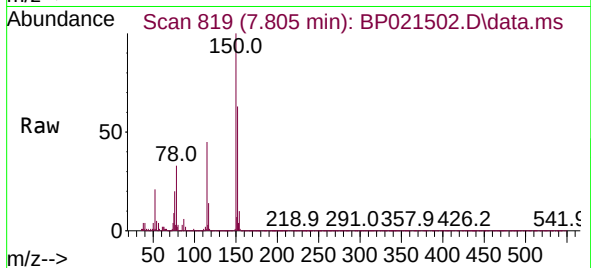
Quant Time: Aug 14 17:04:42 2024
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QLast Update : Wed Aug 14 17:03:20 2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

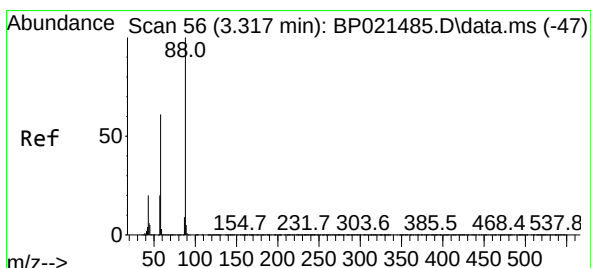
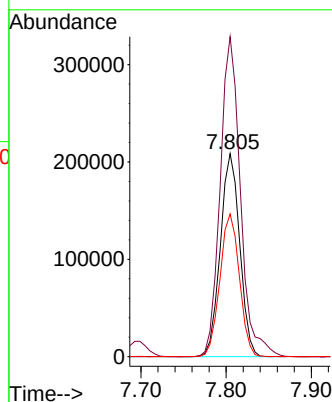
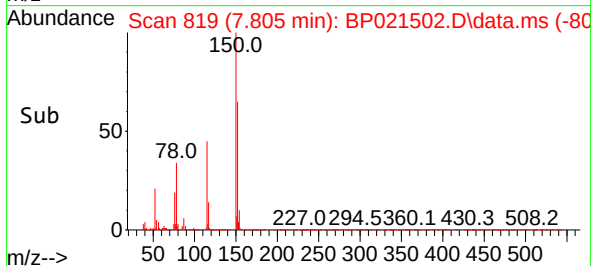
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:152 Resp: 32996
Ion Ratio Lower Upper
152 100
150 157.6 122.4 183.6
115 70.3 54.7 82.1

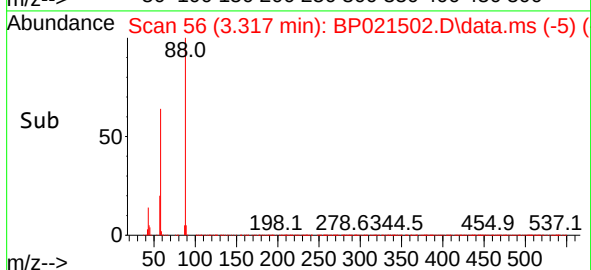
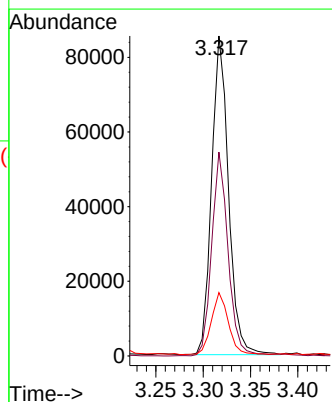
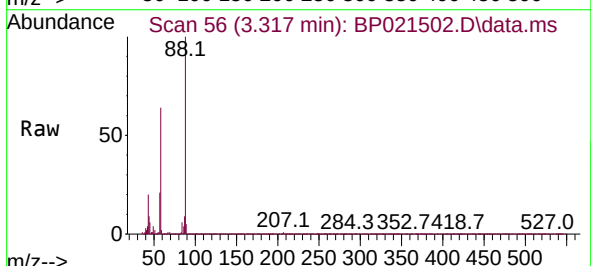
Manual Integrations
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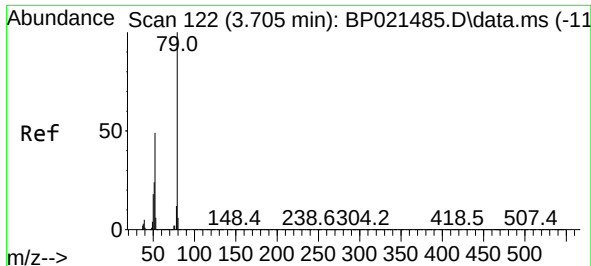
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#2
1,4-Dioxane
Concen: 10.023 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

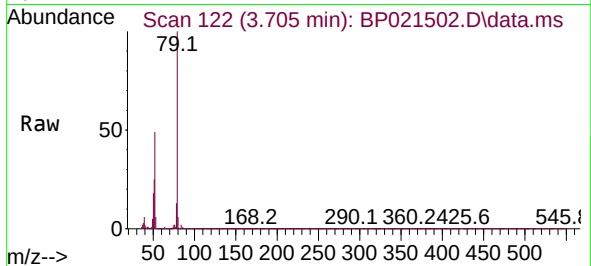
Tgt Ion: 88 Resp: 105607
Ion Ratio Lower Upper
88 100
58 62.2 48.7 73.1
43 19.5 15.4 23.2





#3
Pyridine
Concen: 8.989 ng
RT: 3.705 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

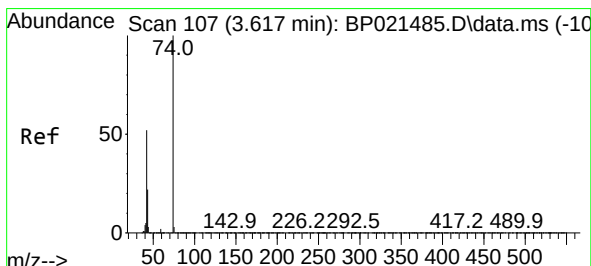
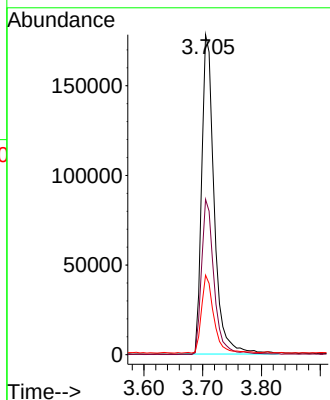
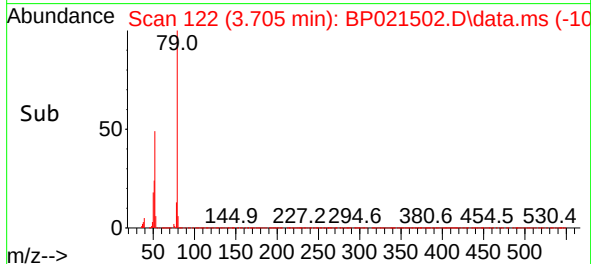
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



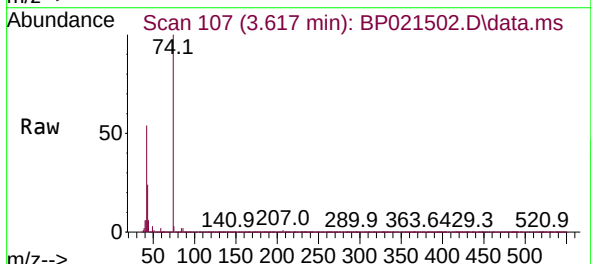
Tgt Ion: 79 Resp: 264389
Ion Ratio Lower Upper
79 100
52 48.6 39.0 58.6
51 24.9 19.2 28.8

Manual Integrations
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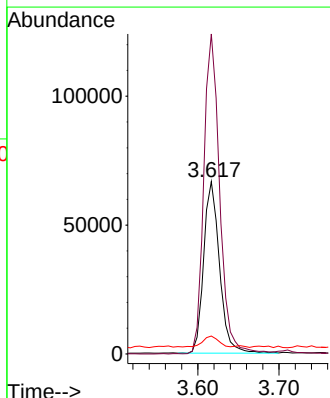
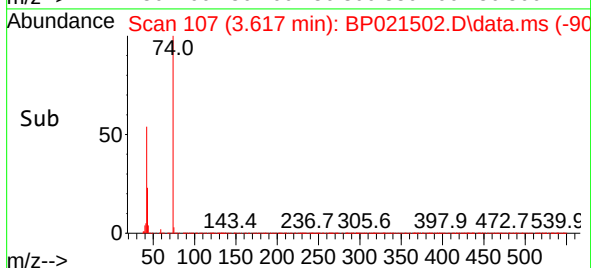
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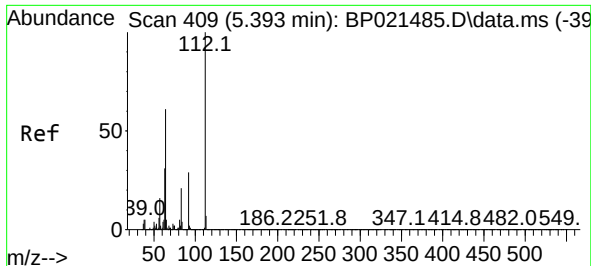


#4
n-Nitrosodimethylamine
Concen: 10.197 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30



Tgt Ion: 42 Resp: 90150
Ion Ratio Lower Upper
42 100
74 185.6 154.3 231.5
44 10.4 6.2 9.4#





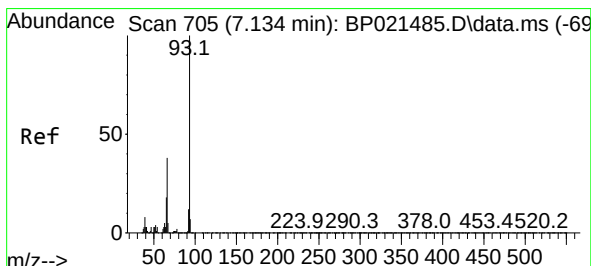
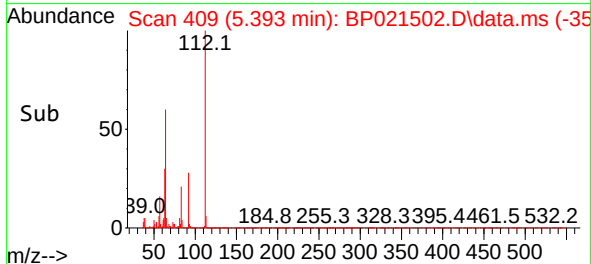
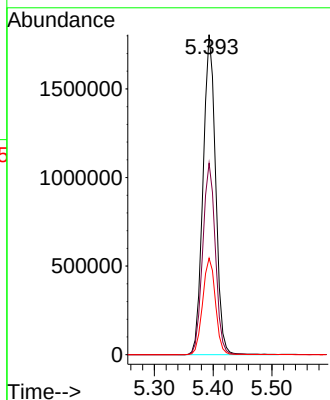
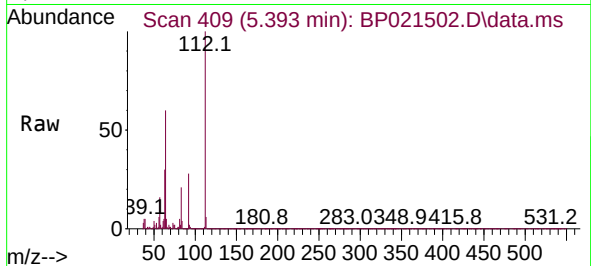
#5
2-Fluorophenol
Concen: 121.129 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:112 Resp: 2691680
Ion Ratio Lower Upper
112 100
64 59.8 49.0 73.6
63 30.2 24.6 36.8

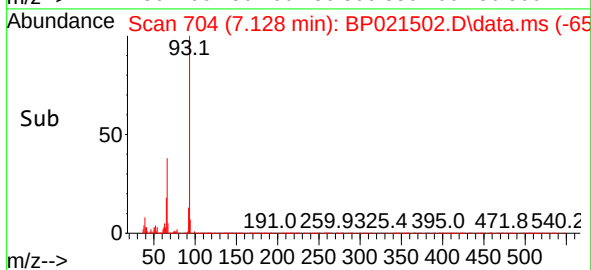
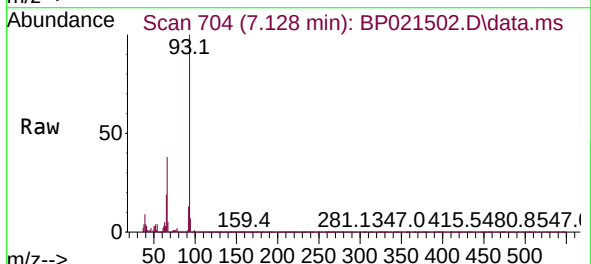
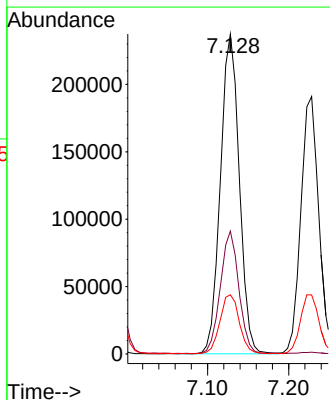
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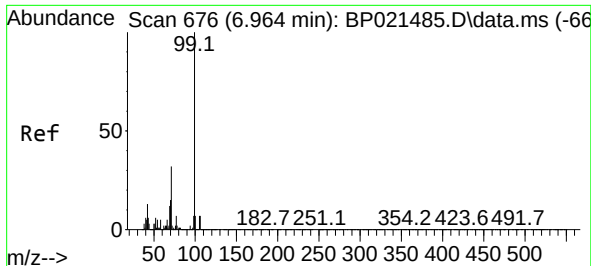
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#6
Aniline
Concen: 11.846 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 93 Resp: 383904
Ion Ratio Lower Upper
93 100
66 38.4 30.2 45.2
65 18.5 14.7 22.1





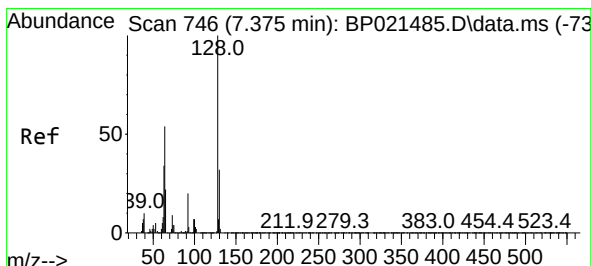
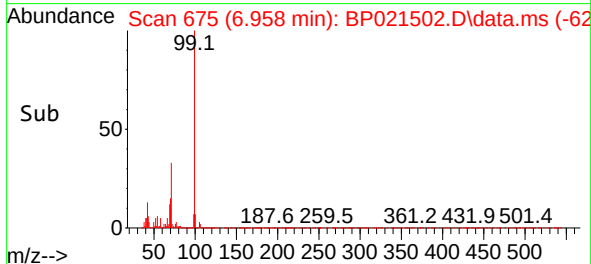
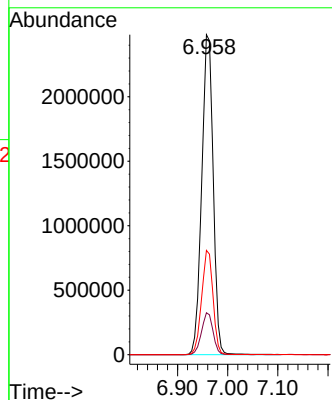
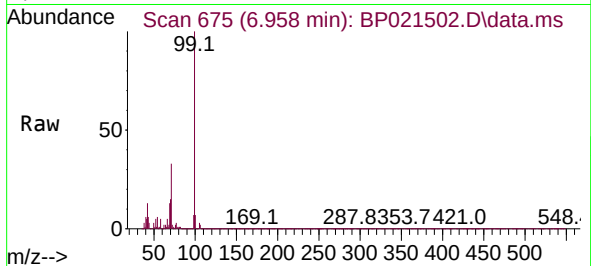
#7
Phenol-d6
Concen: 121.873 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

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BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 395065
Ion Ratio Lower Upper
99 100
42 13.1 10.2 15.4
71 32.6 25.8 38.8

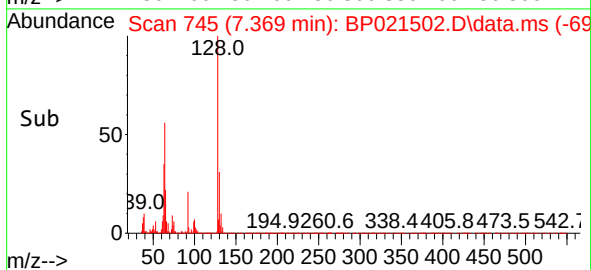
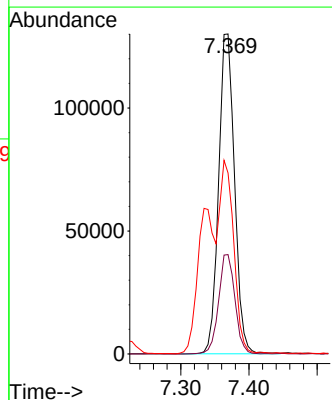
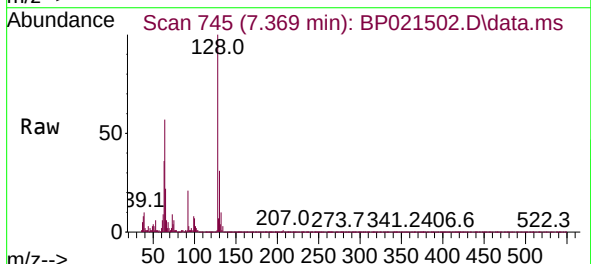
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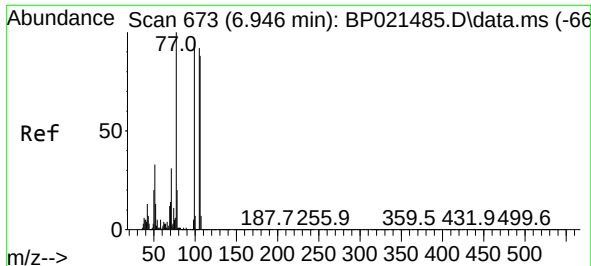
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#8
2-Chlorophenol
Concen: 10.304 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:128 Resp: 211604
Ion Ratio Lower Upper
128 100
130 31.0 11.6 51.6
64 56.5 35.3 75.3





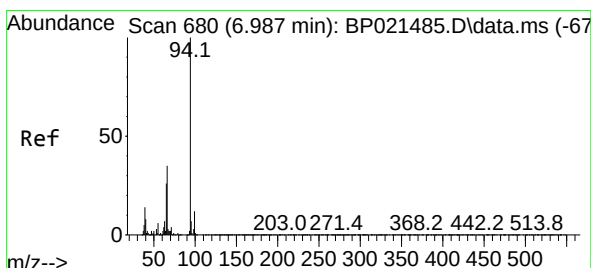
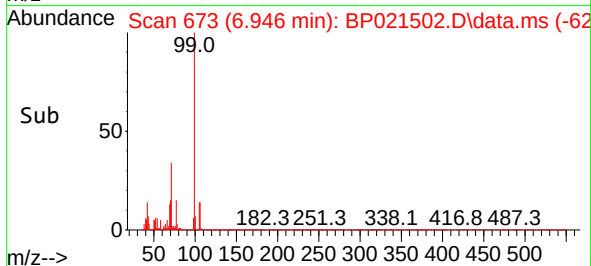
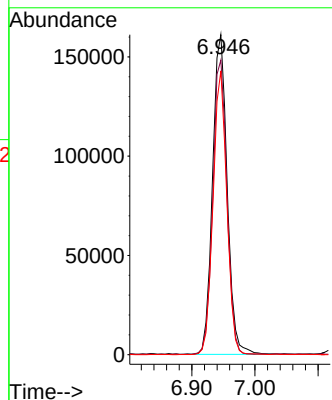
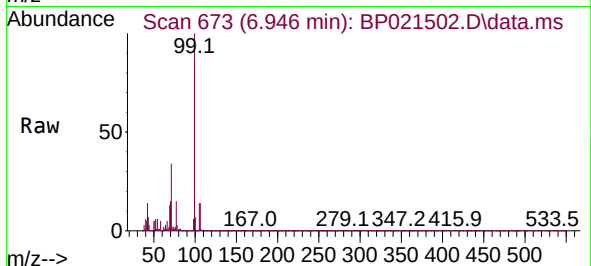
#9
Benzaldehyde
Concen: 12.455 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 25851
Ion Ratio Lower Upper
77 100
105 92.1 72.1 112.1
106 88.7 67.9 107.9

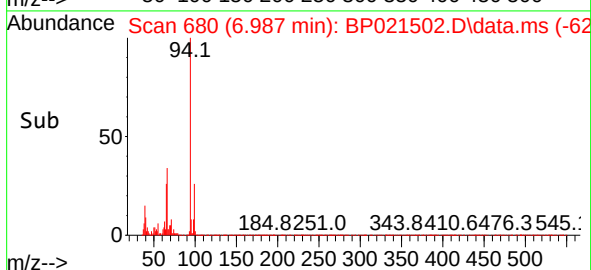
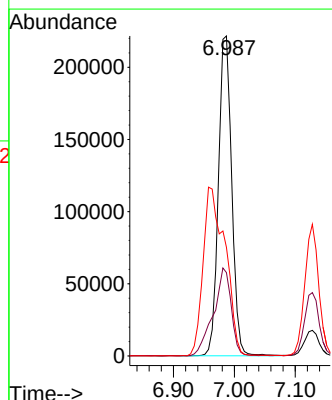
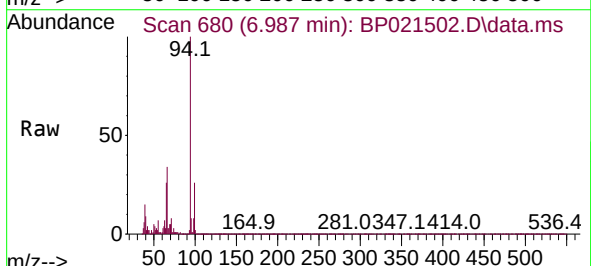
Manual Integrations
APPROVED

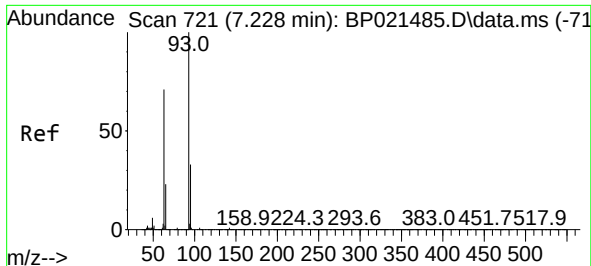
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#10
Phenol
Concen: 10.017 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

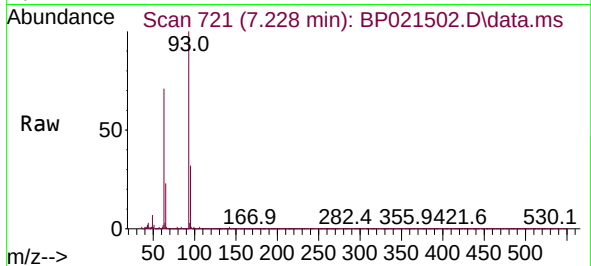
Tgt Ion: 94 Resp: 336266
Ion Ratio Lower Upper
94 100
65 26.1 6.5 46.5
66 34.0 14.7 54.7





#11
bis(2-Chloroethyl)ether
Concen: 10.227 ng
RT: 7.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

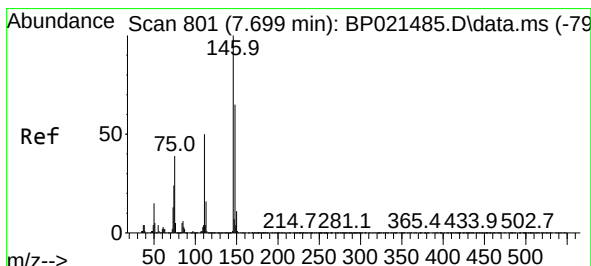
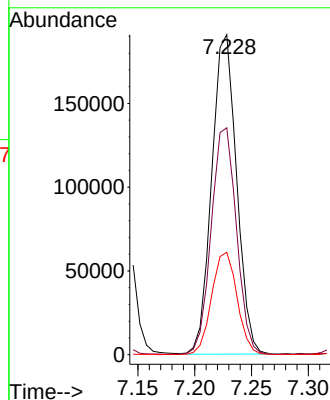
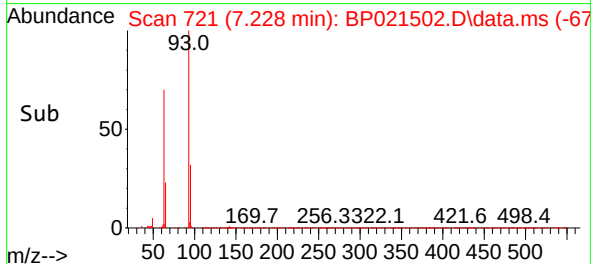
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



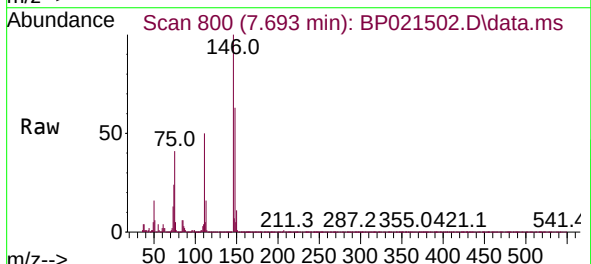
Tgt Ion: 93 Resp: 290478
Ion Ratio Lower Upper
93 100
63 70.9 51.0 91.0
95 32.0 12.9 52.9

Manual Integrations
APPROVED

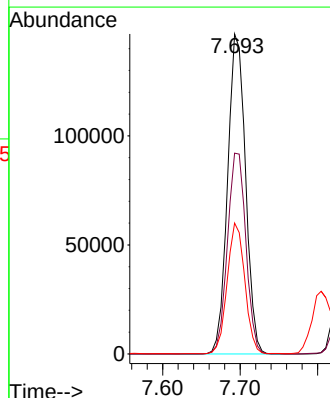
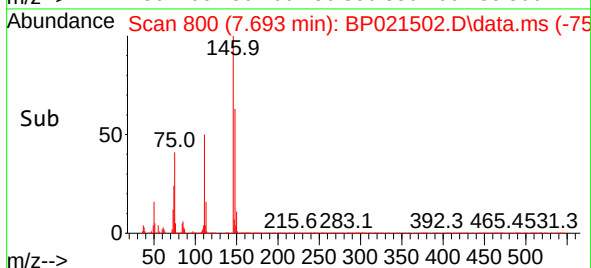
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

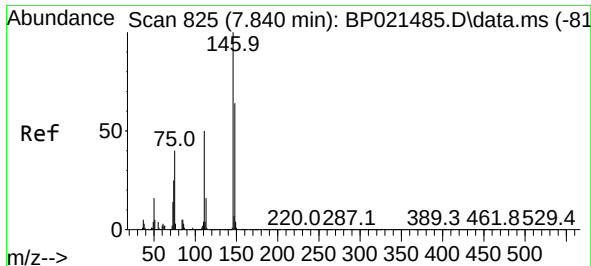


#12
1,3-Dichlorobenzene
Concen: 9.687 ng
RT: 7.693 min Scan# 800
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30



Tgt Ion:146 Resp: 236297
Ion Ratio Lower Upper
146 100
148 62.7 51.8 77.6
75 40.9 31.3 46.9





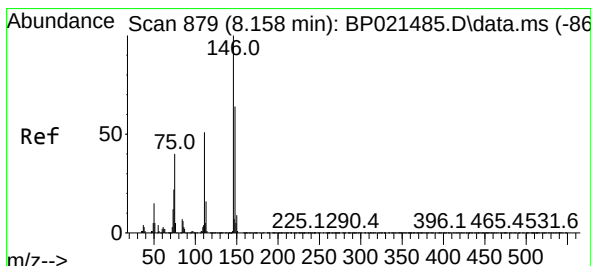
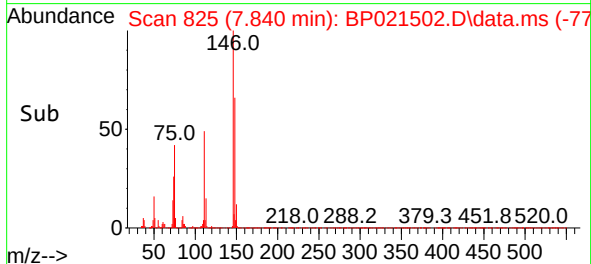
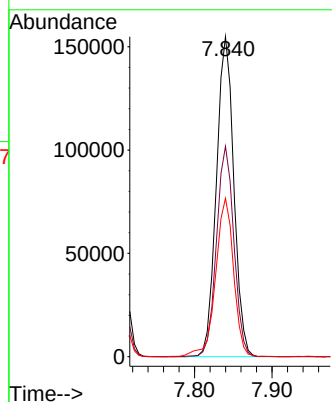
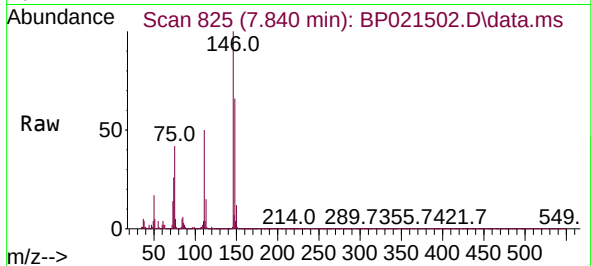
#13
1,4-Dichlorobenzene
Concen: 9.806 ng
RT: 7.840 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:146 Resp: 24153
Ion Ratio Lower Upper
146 100
148 65.8 51.5 77.3
111 49.5 40.3 60.5

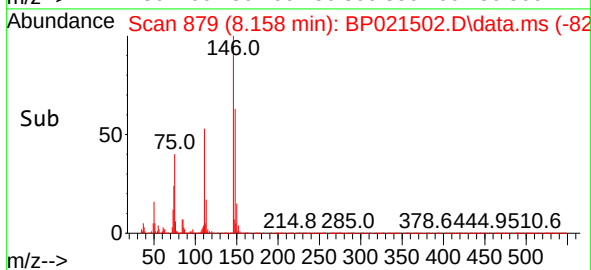
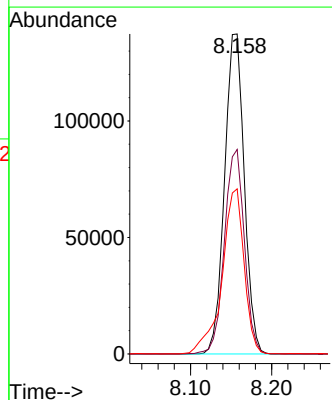
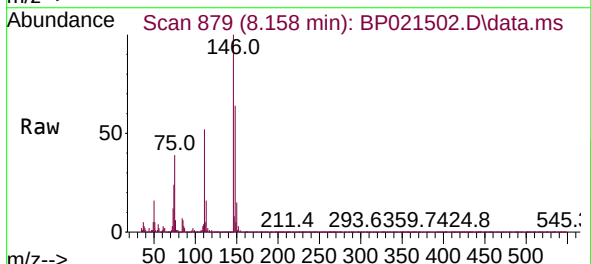
Manual Integrations
APPROVED

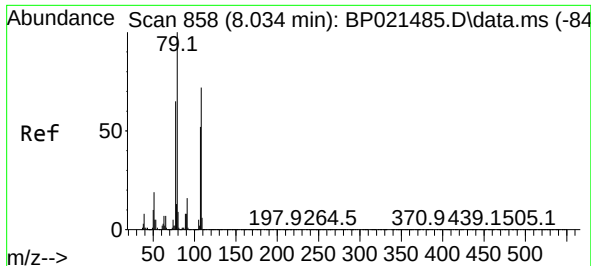
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#14
1,2-Dichlorobenzene
Concen: 9.766 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

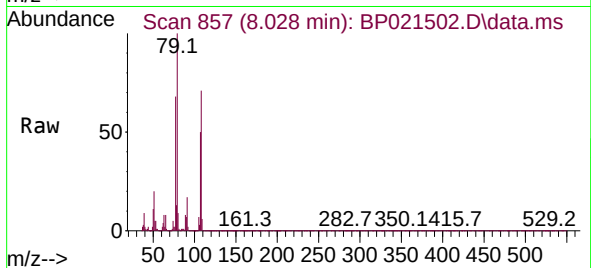
Tgt Ion:146 Resp: 231798
Ion Ratio Lower Upper
146 100
148 63.9 51.5 77.3
111 51.6 41.1 61.7





#15
Benzyl Alcohol
Concen: 10.639 ng
RT: 8.028 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

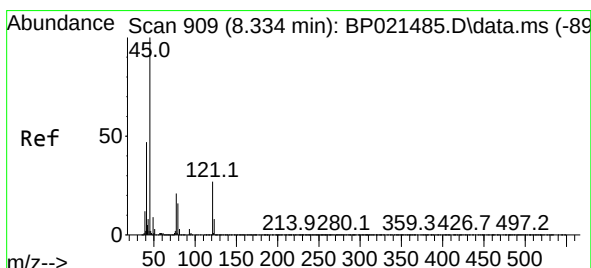
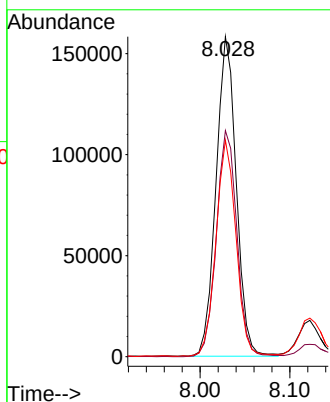
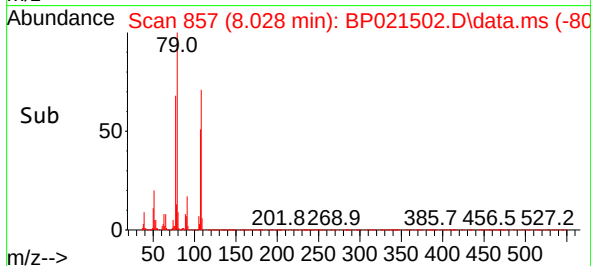
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



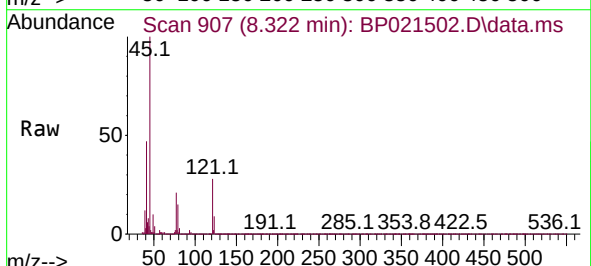
Tgt Ion: 79 Resp: 247450
Ion Ratio Lower Upper
79 100
108 70.7 57.9 86.9
77 67.7 51.8 77.8

Manual Integrations
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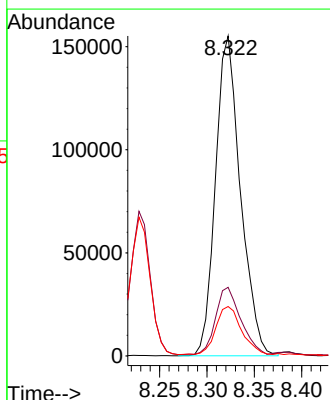
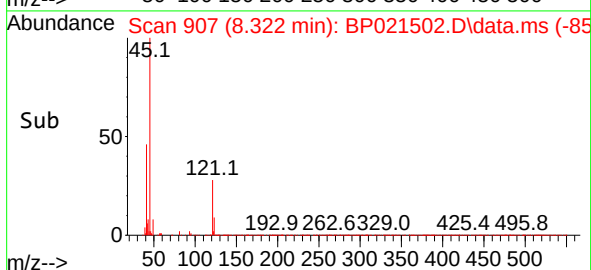
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

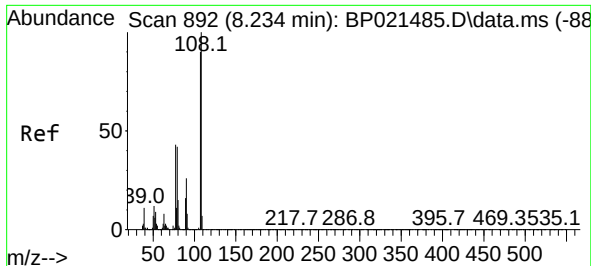


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.894 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30



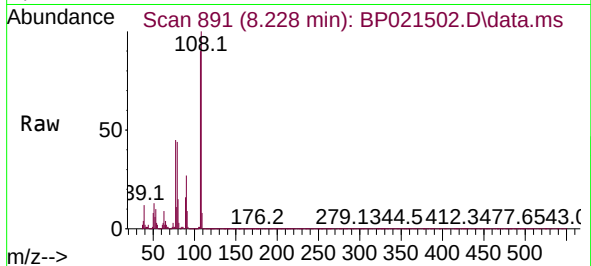
Tgt Ion: 45 Resp: 284946
Ion Ratio Lower Upper
45 100
77 21.4 1.9 41.9
79 15.4 0.0 36.6





#17
2-Methylphenol
Concen: 9.854 ng
RT: 8.228 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

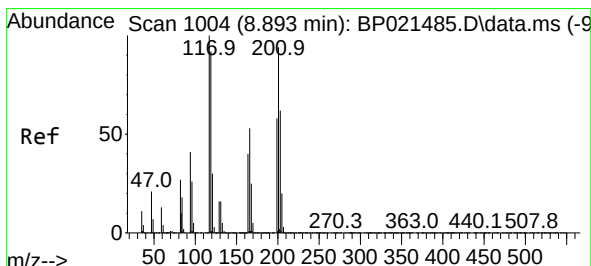
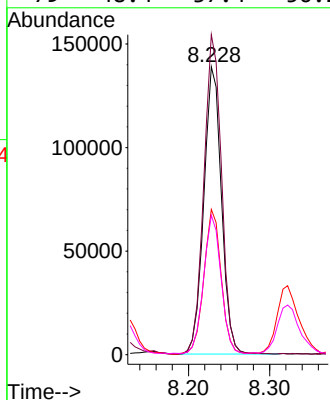
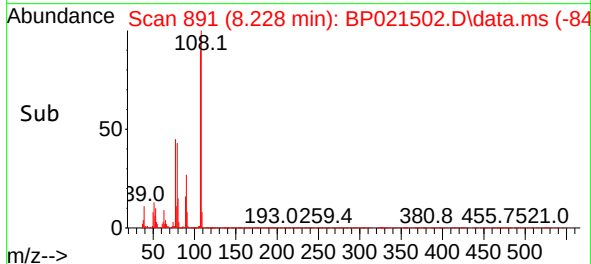
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:107 Resp: 209110
Ion Ratio Lower Upper
107 100
108 111.2 88.8 133.2
77 50.5 38.7 58.1
79 48.4 37.4 56.2

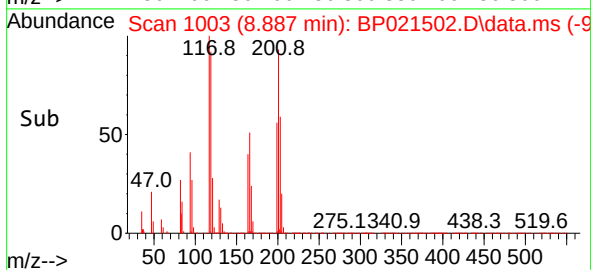
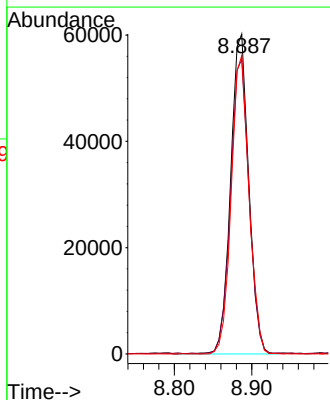
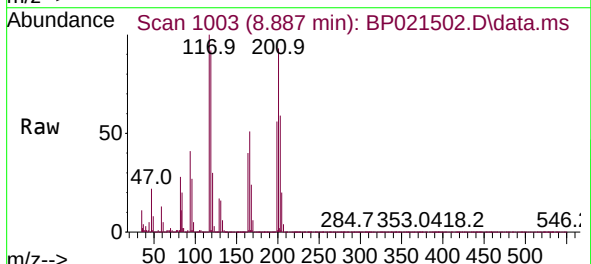
Manual Integrations
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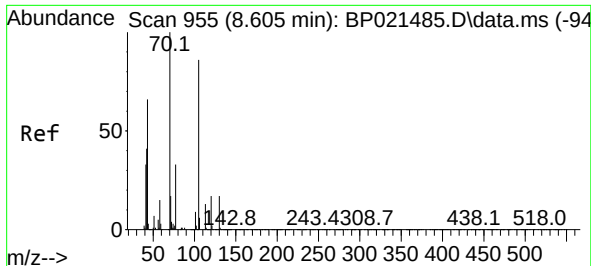
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#18
Hexachloroethane
Concen: 9.944 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

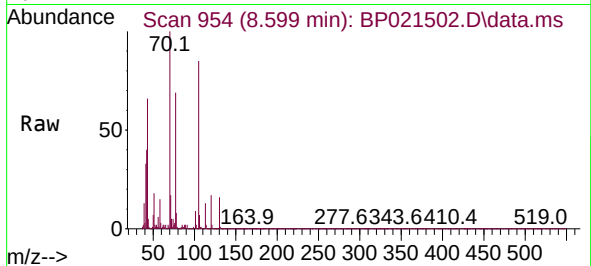
Tgt Ion:117 Resp: 98222
Ion Ratio Lower Upper
117 100
119 92.0 73.9 110.9
201 93.2 74.9 112.3





#19
n-Nitroso-di-n-propylamine
Concen: 10.751 ng
RT: 8.599 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

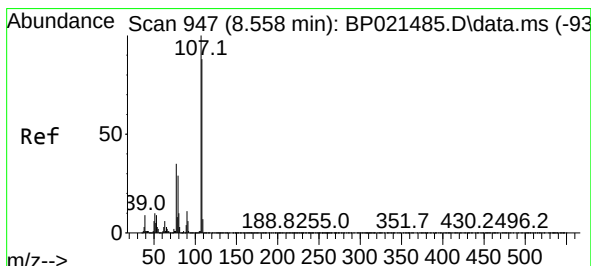
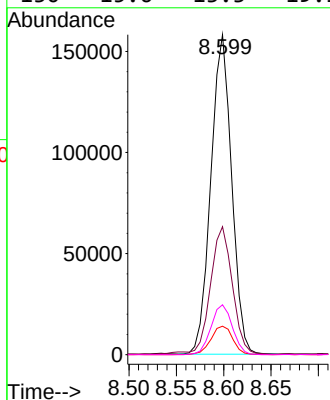
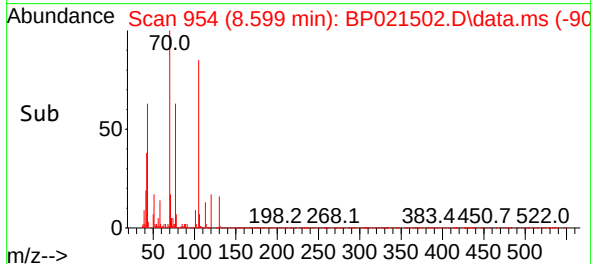
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



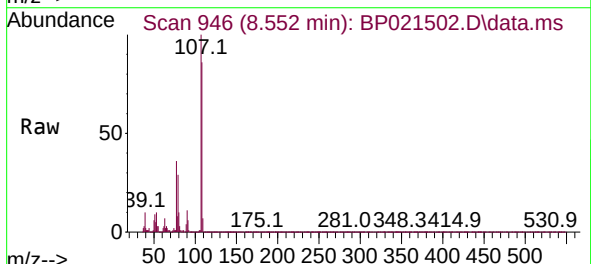
Tgt Ion: 70 Resp: 240730
Ion Ratio Lower Upper
70 100
42 40.0 33.1 49.7
101 8.9 7.4 11.2
130 15.6 13.3 19.9

Manual Integrations
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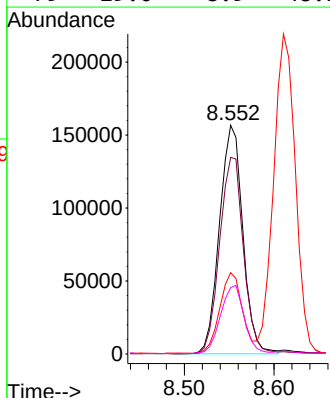
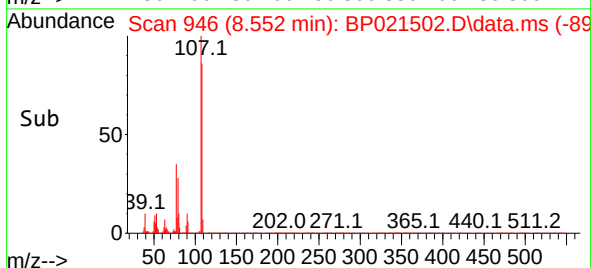
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

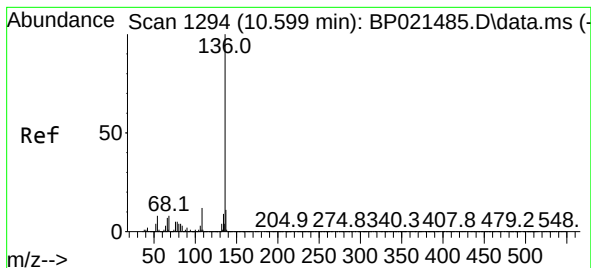


#20
3+4-Methylphenols
Concen: 9.891 ng
RT: 8.552 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30



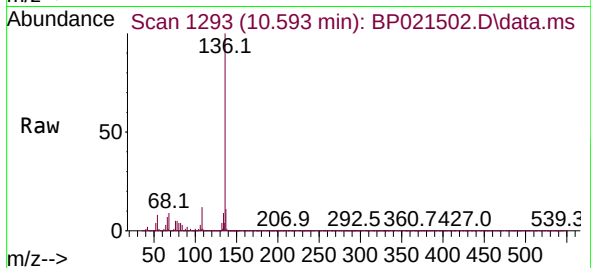
Tgt Ion:107 Resp: 283014
Ion Ratio Lower Upper
107 100
108 86.0 67.6 107.6
77 35.6 15.0 55.0
79 29.0 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

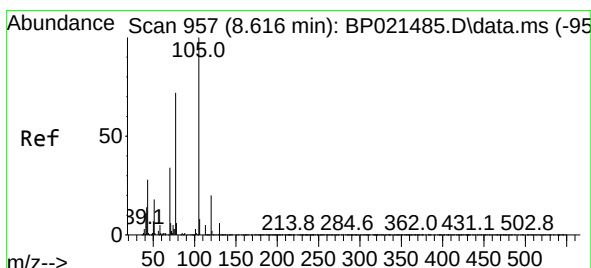
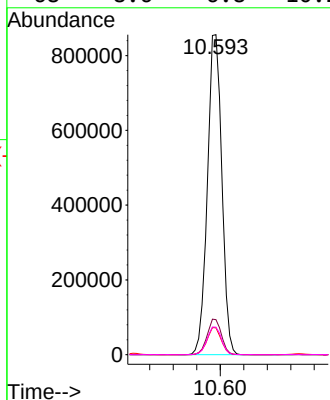
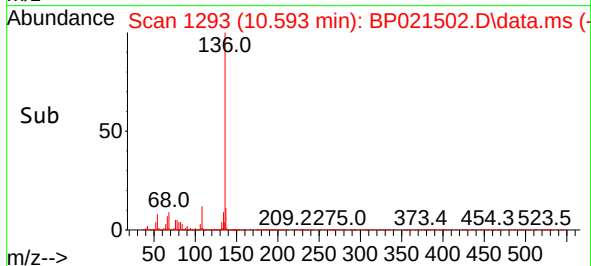
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:136 Resp: 1454330
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.4 6.3 9.5
68 8.6 6.8 10.2

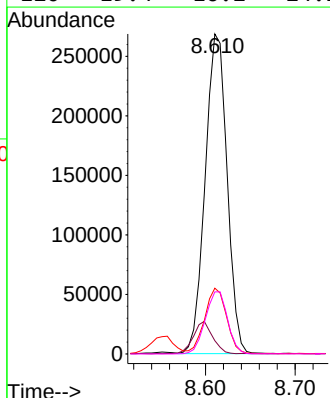
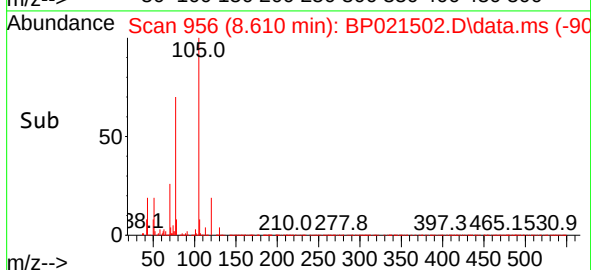
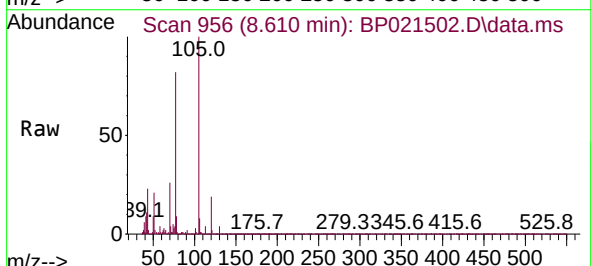
Manual Integrations
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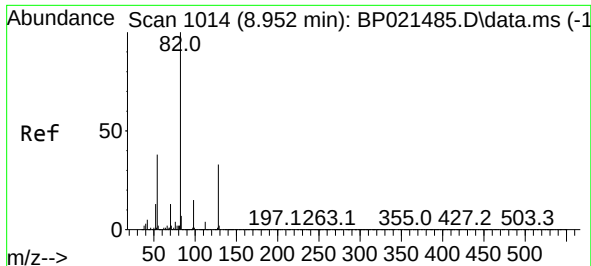
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#22
Acetophenone
Concen: 10.198 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:105 Resp: 455623
Ion Ratio Lower Upper
105 100
71 4.2 4.6 7.0#
51 20.6 16.3 24.5
120 19.4 16.2 24.2





#23

Nitrobenzene-d5

Concen: 91.791 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 82 Resp: 258637

Ion Ratio Lower Upper

82 100

128 33.5 26.5 39.7

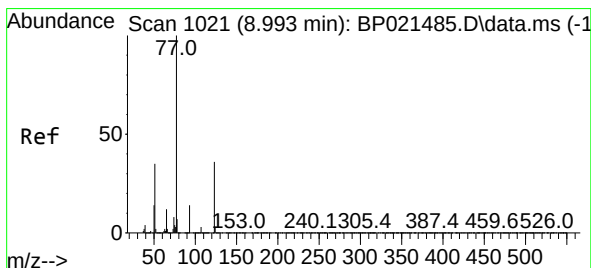
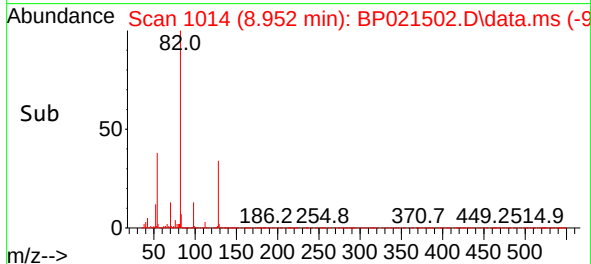
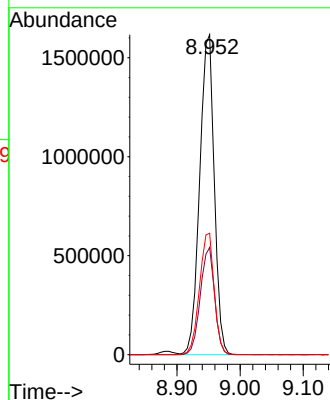
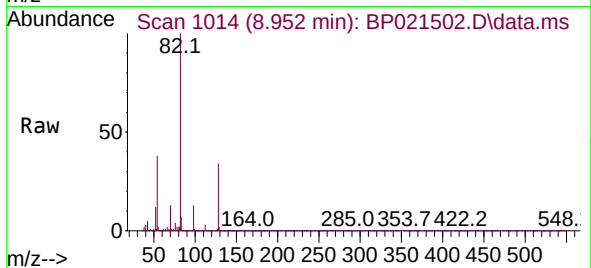
54 37.9 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024

Supervised By :mohammad ahmed 08/16/2024



#24

Nitrobenzene

Concen: 10.681 ng

RT: 8.987 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

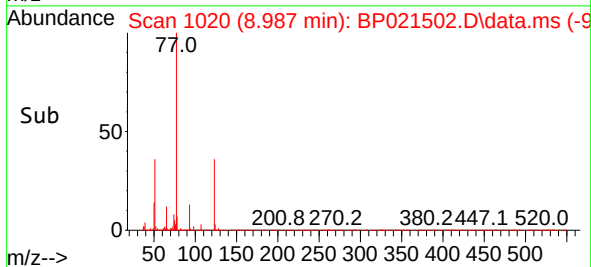
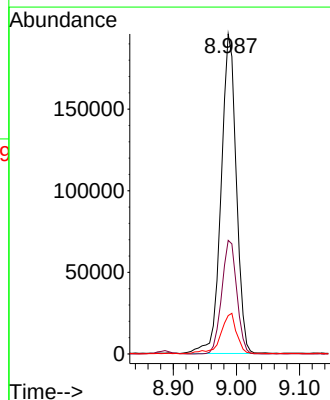
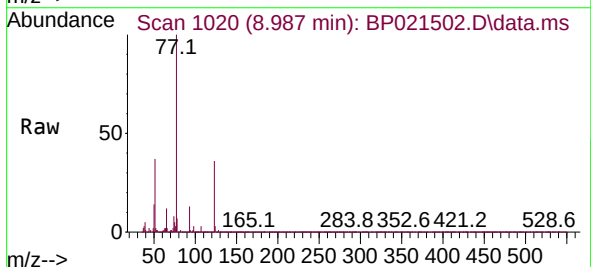
Tgt Ion: 77 Resp: 326870

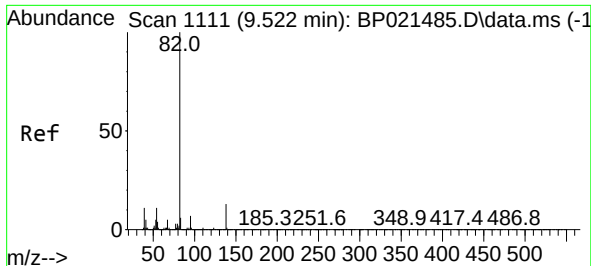
Ion Ratio Lower Upper

77 100

123 35.5 29.5 44.3

65 12.0 9.9 14.9





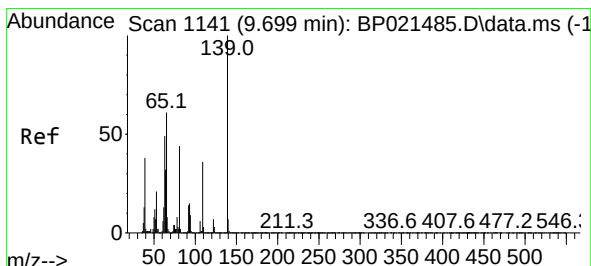
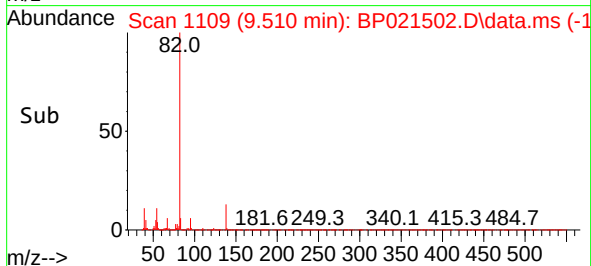
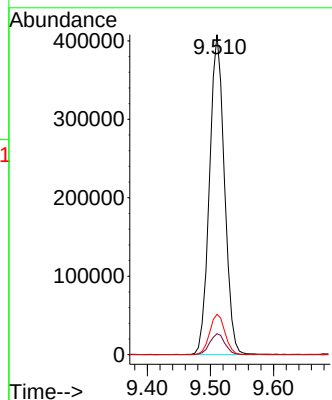
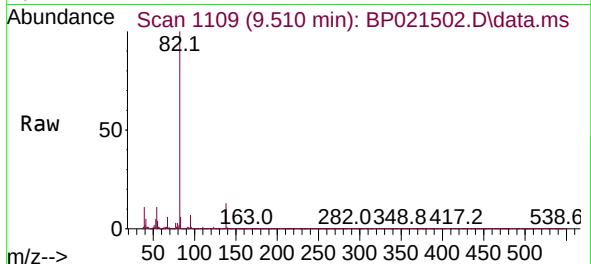
#25
Isophorone
Concen: 10.068 ng
RT: 9.510 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 82 Resp: 67016
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.2
138 12.6 10.6 16.0

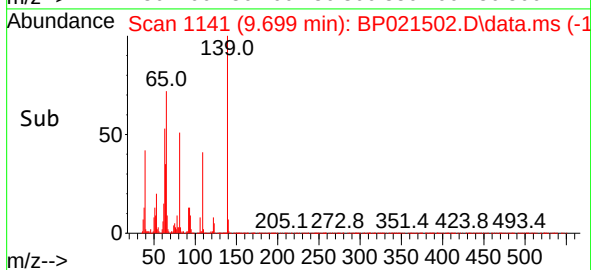
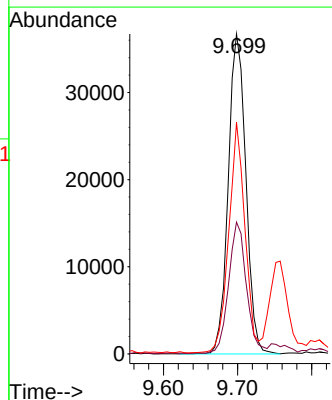
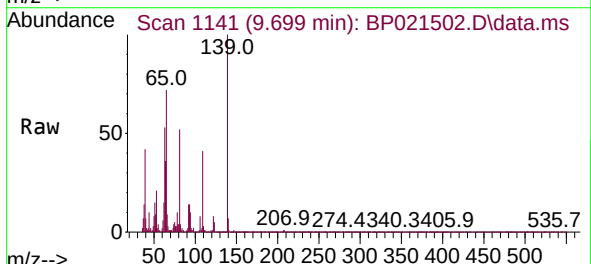
Manual Integrations
APPROVED

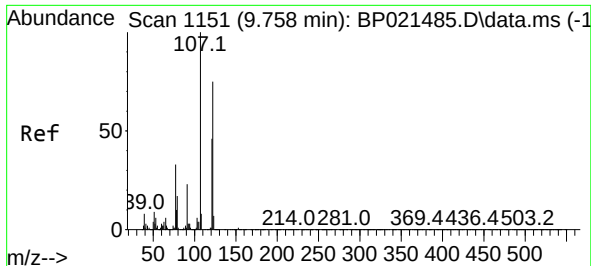
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#26
2-Nitrophenol
Concen: 12.868 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:139 Resp: 60427
Ion Ratio Lower Upper
139 100
109 41.2 28.9 43.3
65 72.4 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 9.385 ng

RT: 9.757 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BP021502.D

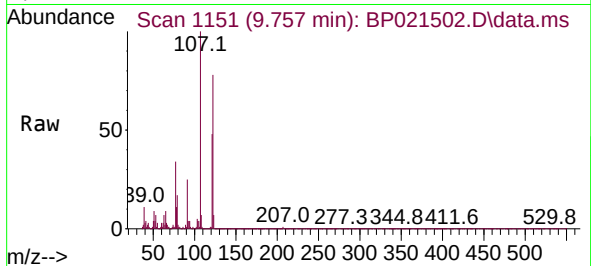
Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:122 Resp: 154169

Ion Ratio Lower Upper

122 100

107 128.9 106.2 159.4

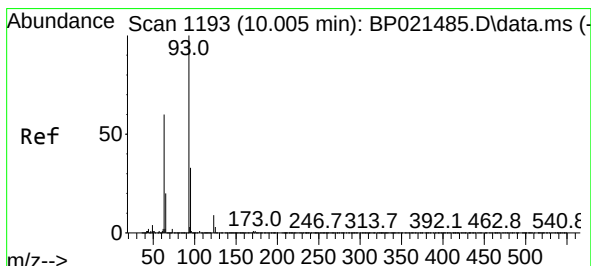
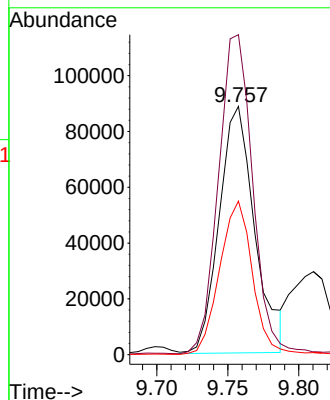
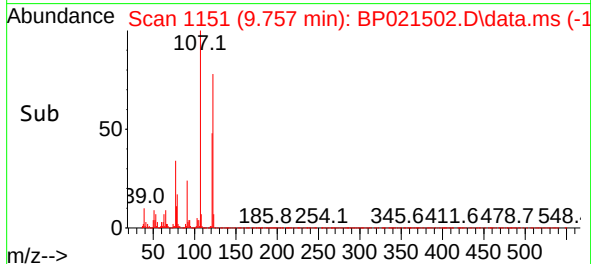
121 61.9 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024

Supervised By :mohammad ahmed 08/16/2024



#28

bis(2-Chloroethoxy)methane

Concen: 10.173 ng

RT: 9.999 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

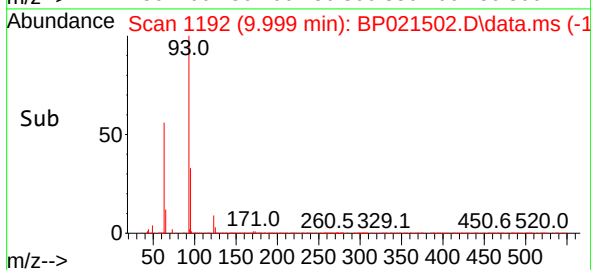
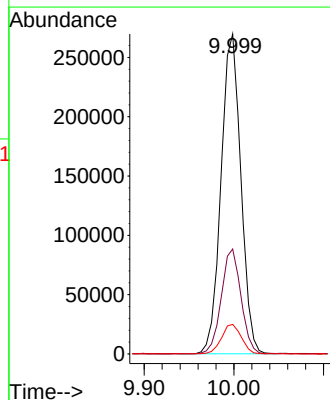
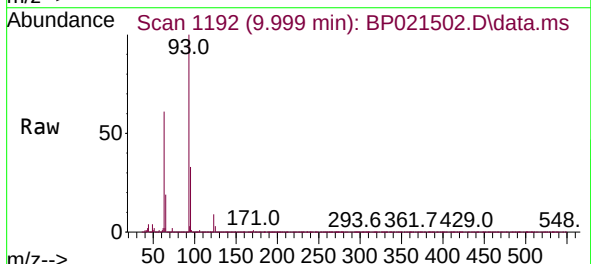
Tgt Ion: 93 Resp: 413352

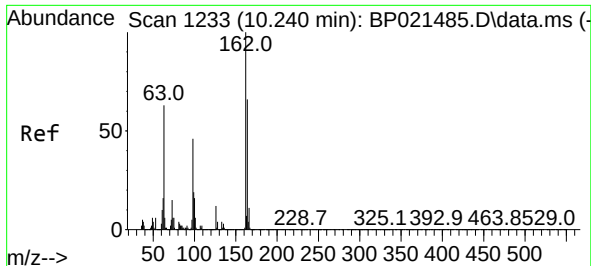
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 9.2 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 9.587 ng

RT: 10.228 min Scan# 1231

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

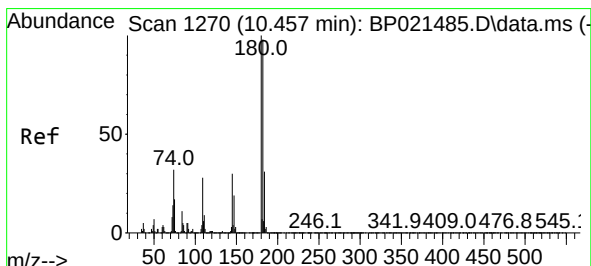
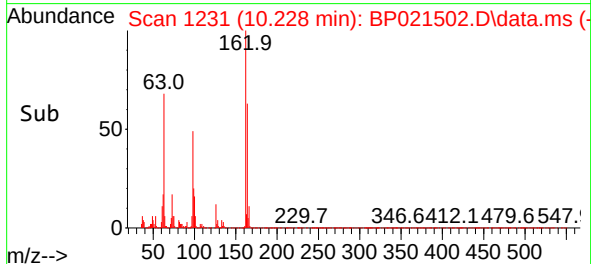
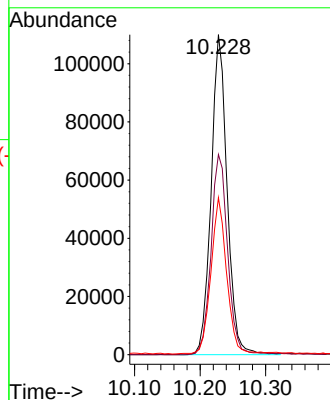
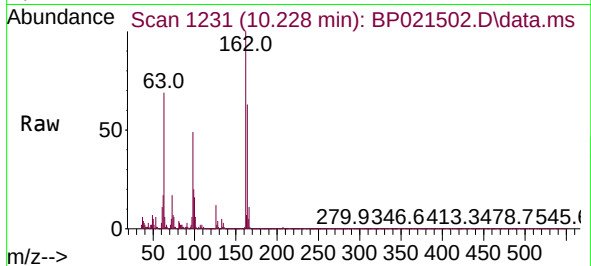
LOQ-SOIL-02-QT3-2024

Tgt Ion:162 Resp: 186080
 Ion Ratio Lower Upper
 162 100
 164 62.5 45.9 85.9
 98 49.0 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024



#30

1,2,4-Trichlorobenzene

Concen: 9.391 ng

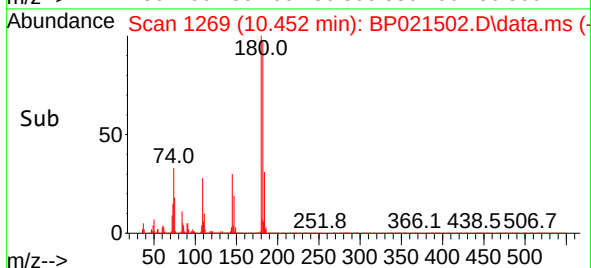
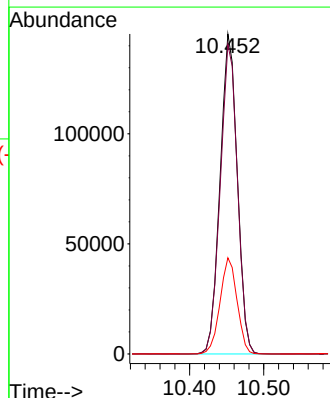
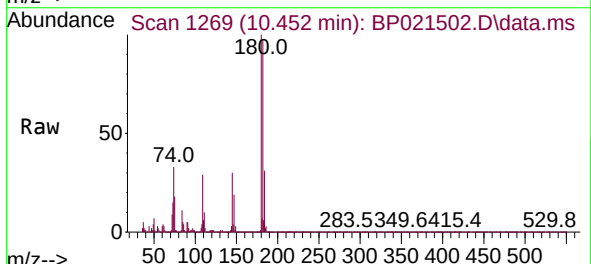
RT: 10.452 min Scan# 1269

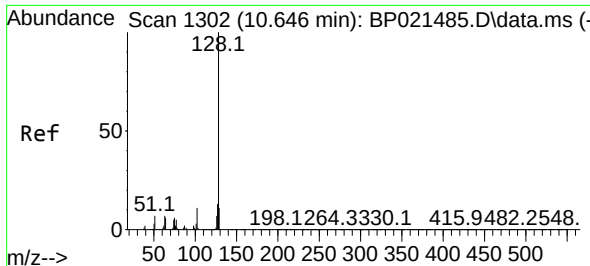
Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:180 Resp: 233681
 Ion Ratio Lower Upper
 180 100
 182 96.7 78.3 117.5
 145 30.1 24.0 36.0





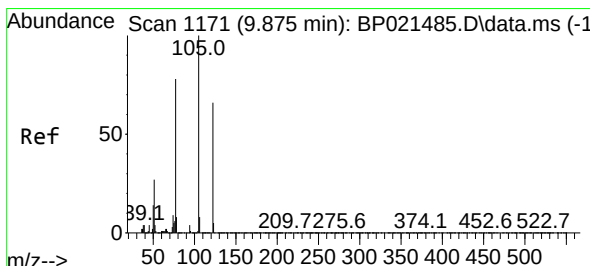
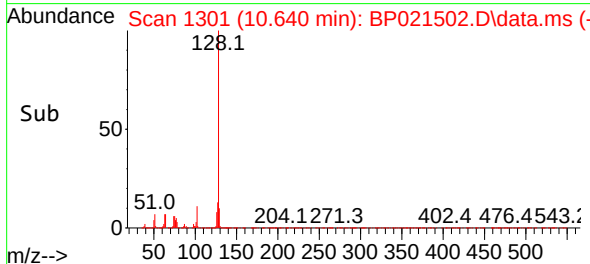
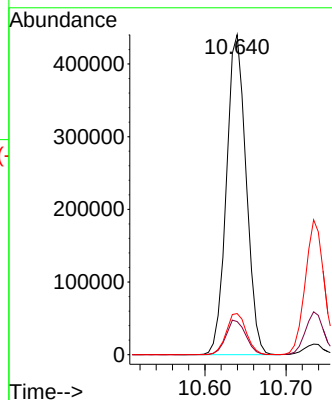
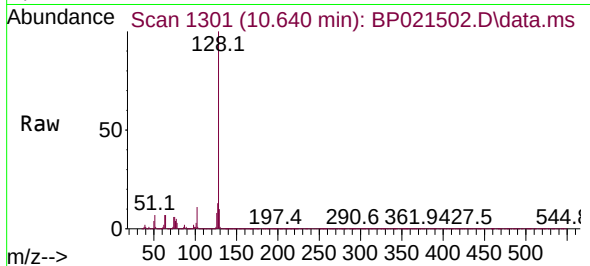
#31
Naphthalene
Concen: 9.777 ng
RT: 10.640 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:128 Resp: 74280
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 12.8 10.6 15.8

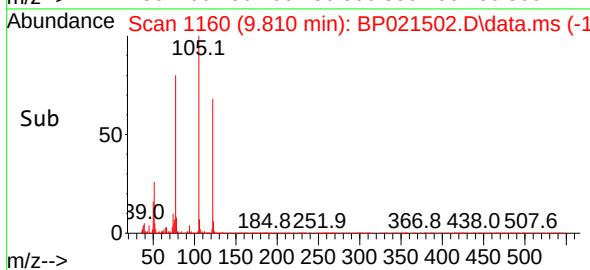
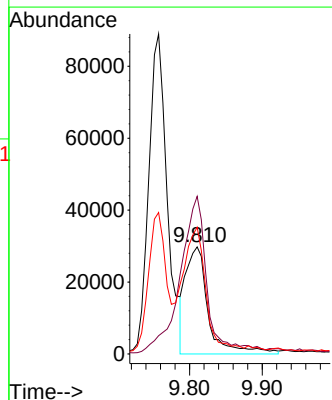
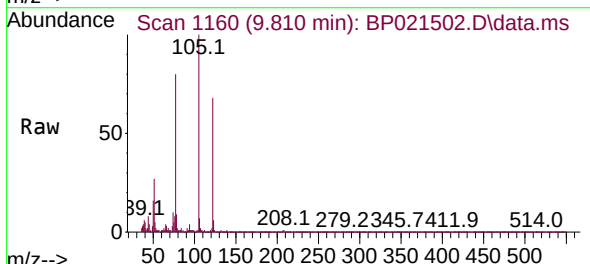
Manual Integrations
APPROVED

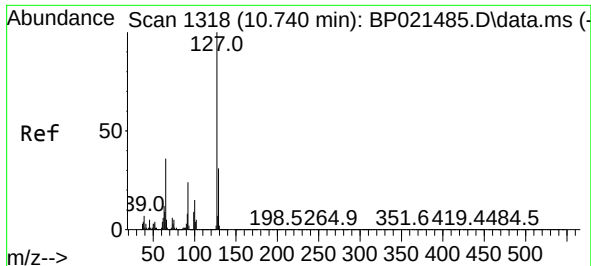
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#32
Benzoic acid
Concen: 11.152 ng m
RT: 9.810 min Scan# 1160
Delta R.T. -0.065 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:122 Resp: 64975
Ion Ratio Lower Upper
122 100
105 147.1 124.6 164.6
77 118.4 96.2 136.2





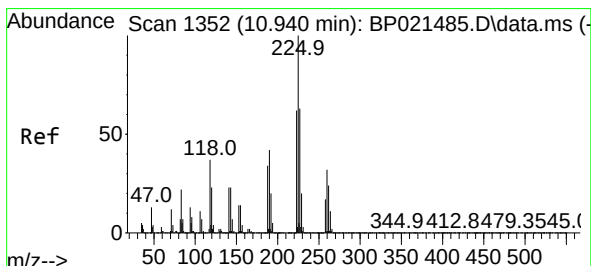
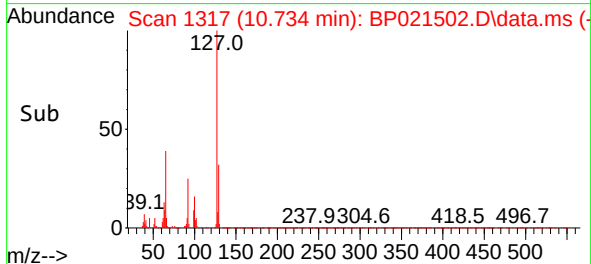
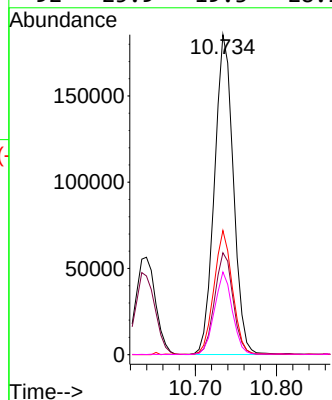
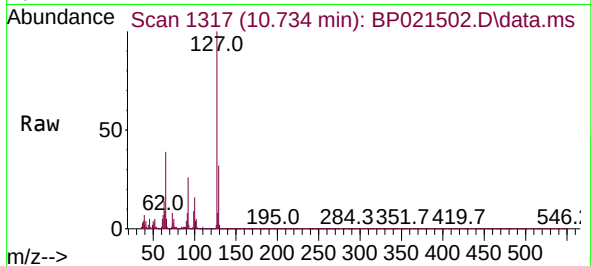
#33
4-Chloroaniline
Concen: 10.501 ng
RT: 10.734 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.5	36.7
65	38.8	28.9	43.3
92	25.9	19.3	28.9

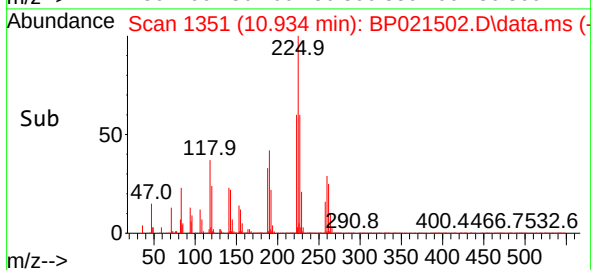
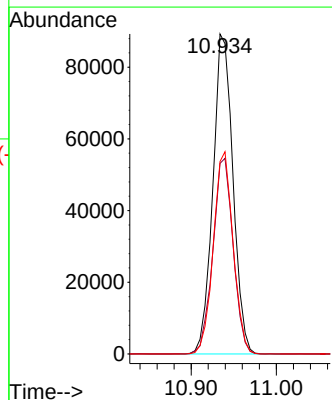
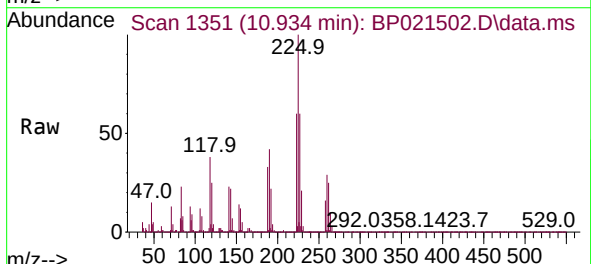
Manual Integrations
APPROVED

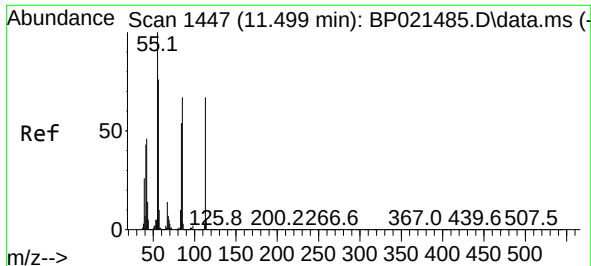
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#34
Hexachlorobutadiene
Concen: 9.301 ng
RT: 10.934 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

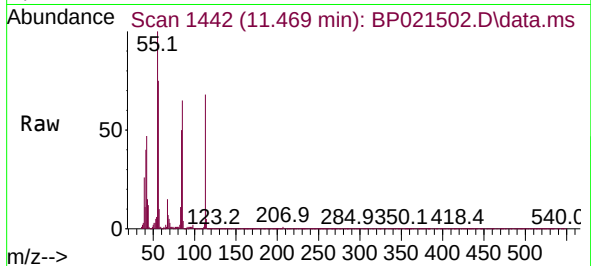
Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	49.6	74.4
227	60.2	50.1	75.1





#35
Caprolactam
Concen: 9.149 ng
RT: 11.469 min Scan# 1447
Delta R.T. -0.030 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

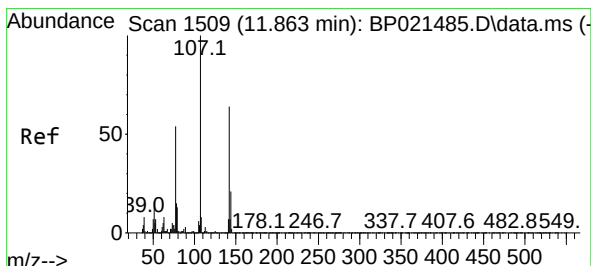
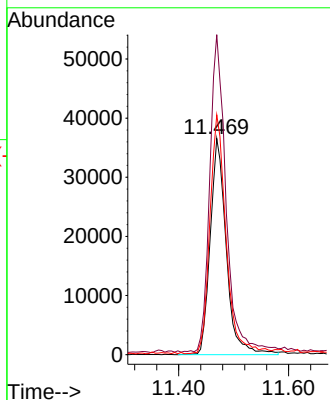
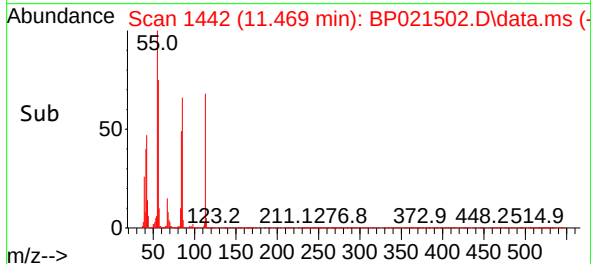
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:113 Resp: 73912
Ion Ratio Lower Upper
113 100
55 148.0 130.6 170.6
56 110.9 94.6 134.6

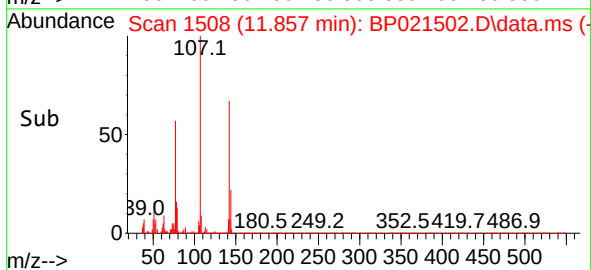
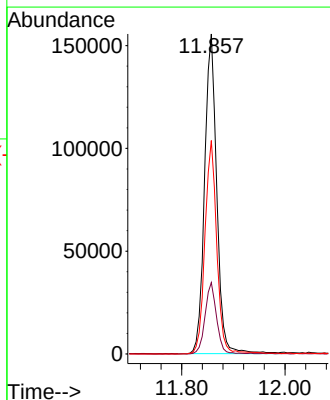
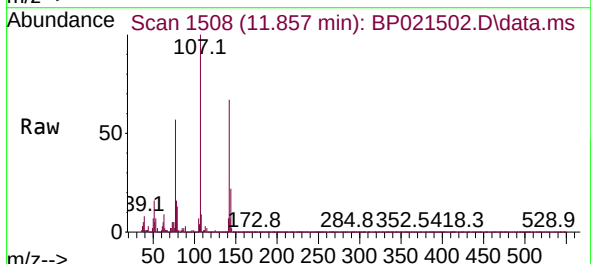
Manual Integrations
APPROVED

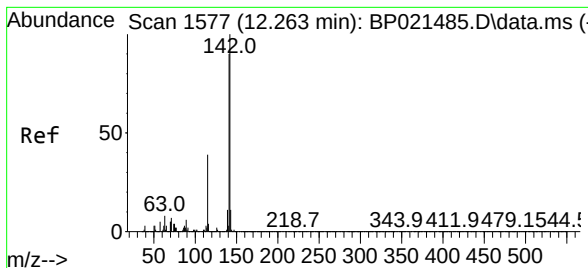
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#36
4-Chloro-3-methylphenol
Concen: 9.436 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:107 Resp: 254067
Ion Ratio Lower Upper
107 100
144 22.3 16.6 24.8
142 66.7 51.0 76.4





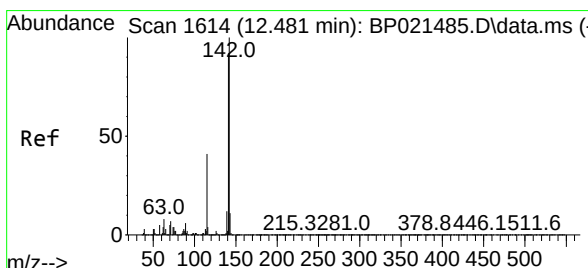
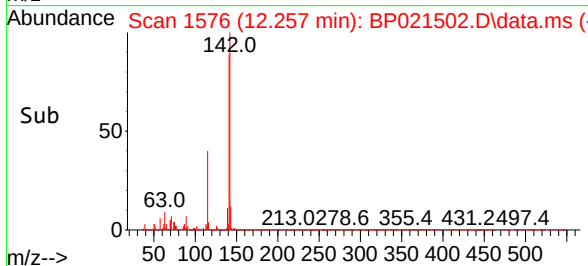
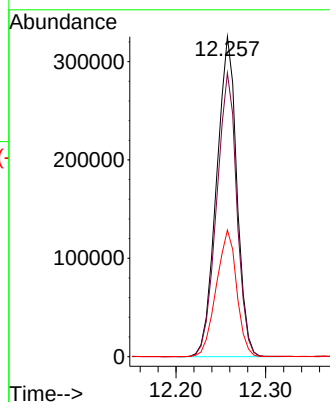
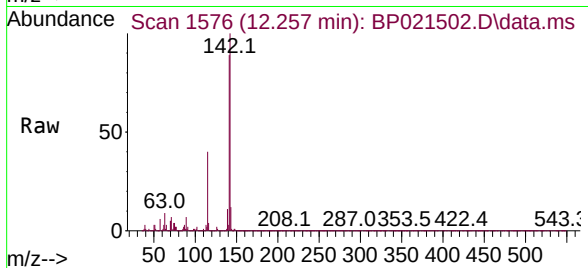
#37
2-Methylnaphthalene
Concen: 9.852 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:142 Resp: 510874
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 39.6 31.4 47.2

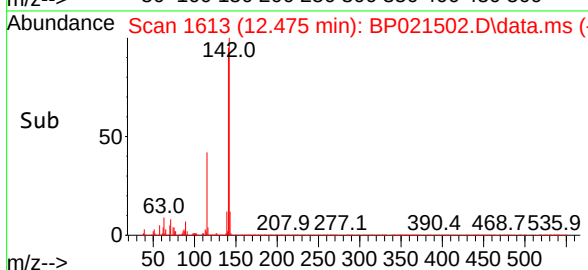
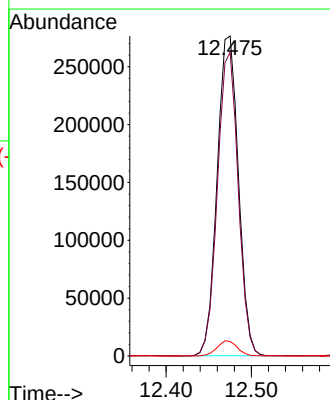
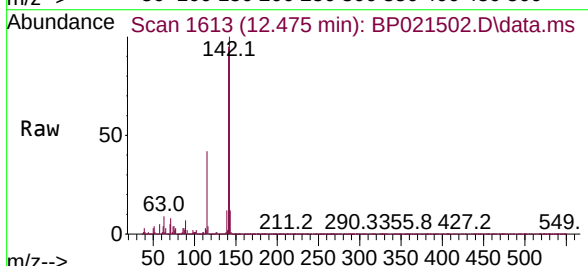
Manual Integrations
APPROVED

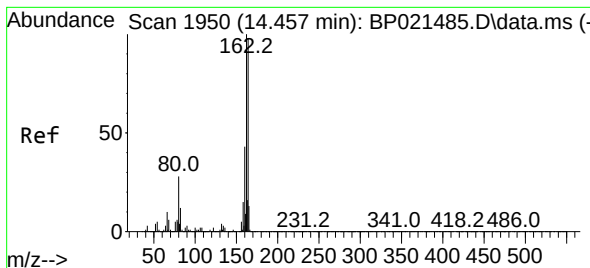
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#38
1-Methylnaphthalene
Concen: 9.364 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:142 Resp: 478868
Ion Ratio Lower Upper
142 100
141 94.8 73.5 110.3
116 4.5 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1950

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

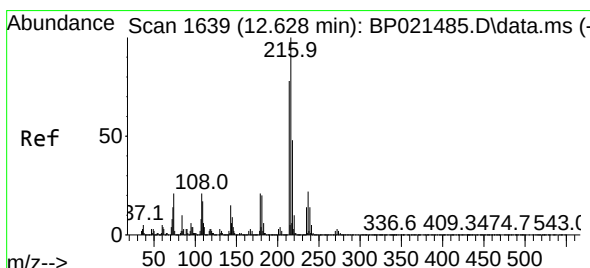
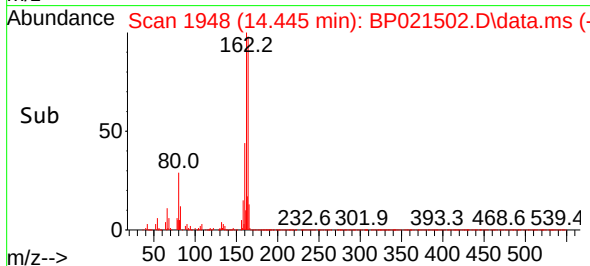
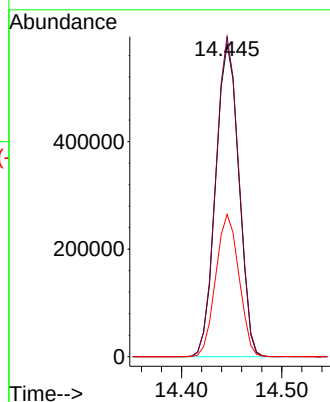
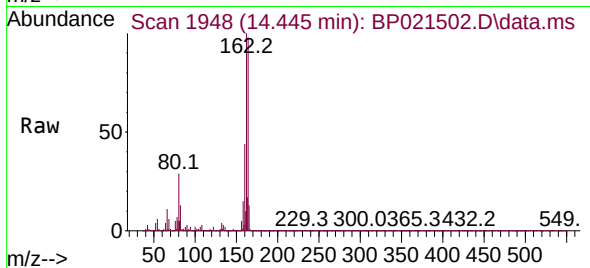
LOQ-SOIL-02-QT3-2024

Tgt Ion:	164	Resp:	93494
Ion Ratio	Lower	Upper	
164	100		
162	102.3	81.5	122.3
160	45.5	35.2	52.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.274 ng

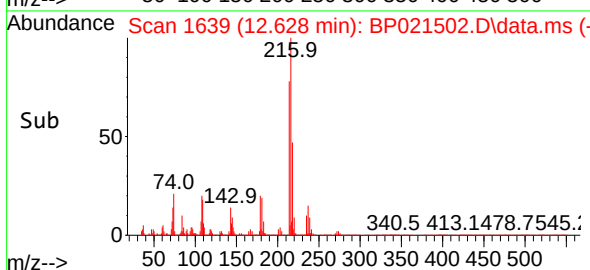
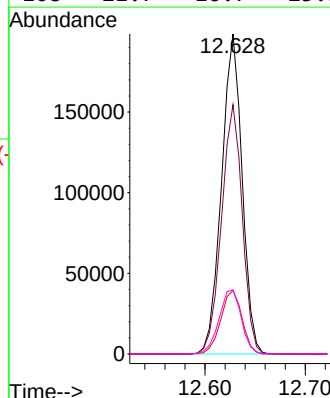
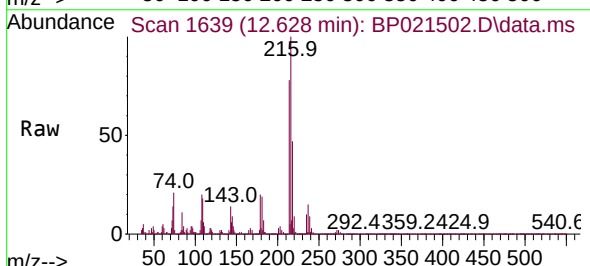
RT: 12.628 min Scan# 1639

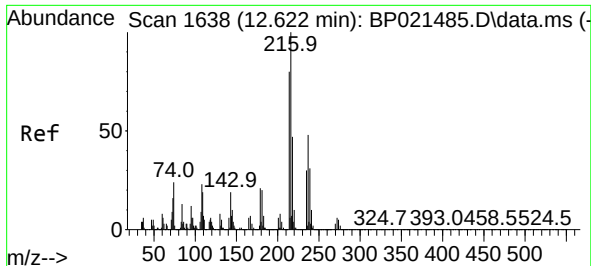
Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

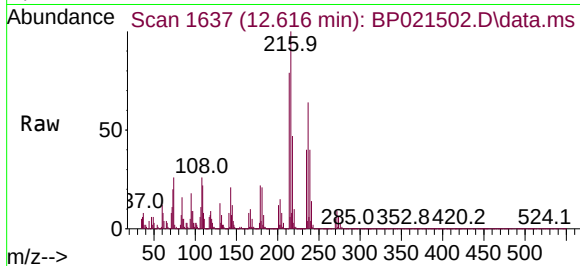
Tgt Ion:	216	Resp:	281450
Ion Ratio	Lower	Upper	
216	100		
214	78.7	62.5	93.7
179	20.5	16.4	24.6
108	21.7	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 11.014 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

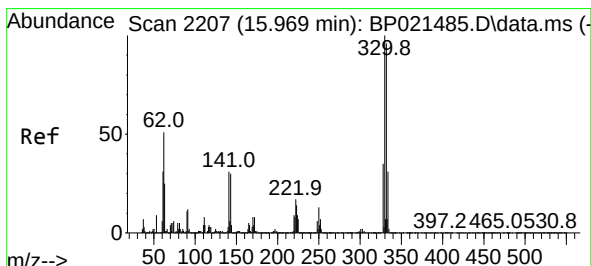
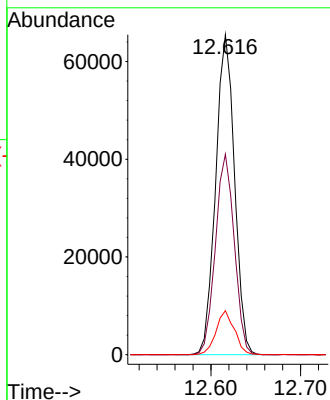
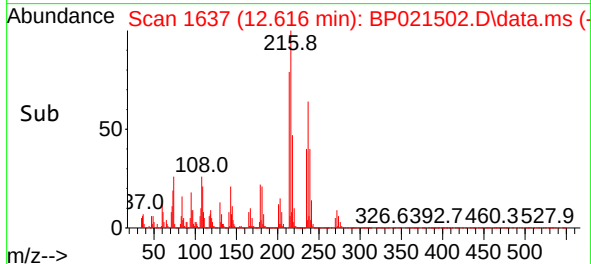
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 237 Resp: 95624
Ion Ratio Lower Upper
237 100
235 62.7 43.9 83.9
272 13.8 0.0 33.3

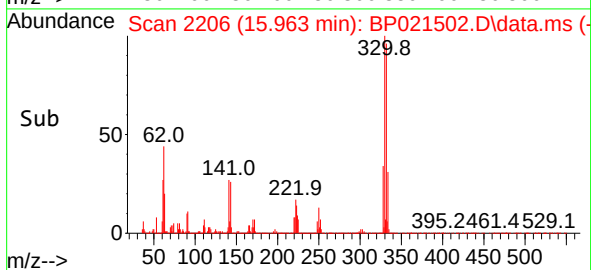
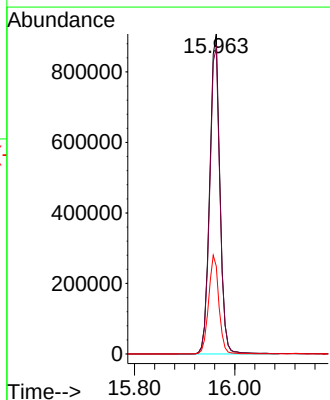
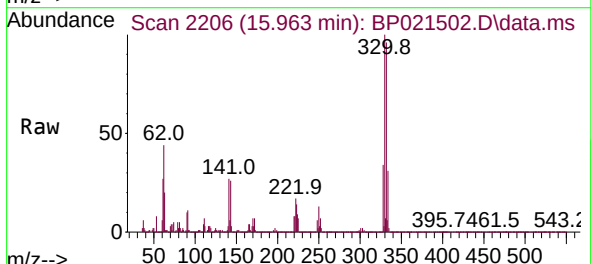
Manual Integrations
APPROVED

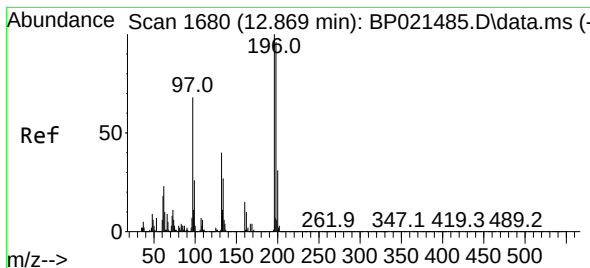
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#42
2,4,6-Tribromophenol
Concen: 123.150 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion: 330 Resp: 1281445
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 31.0 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 9.499 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

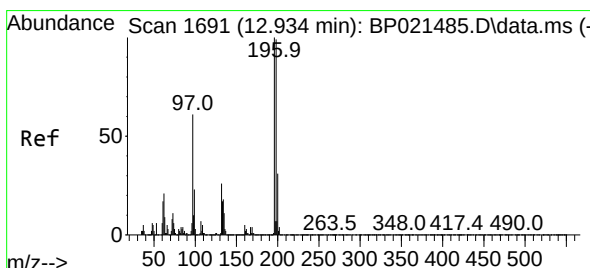
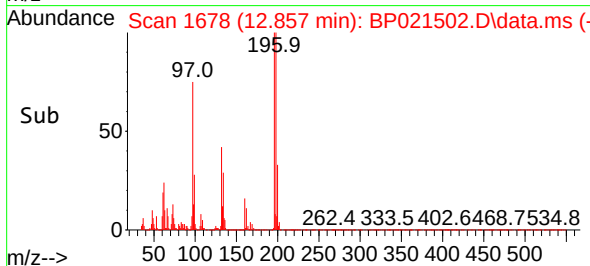
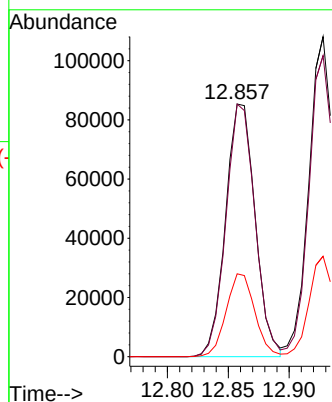
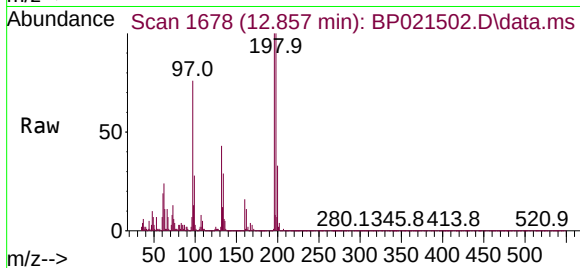
LOQ-SOIL-02-QT3-2024

Tgt Ion:196 Resp: 144544
 Ion Ratio Lower Upper
 196 100
 198 100.0 76.6 114.8
 200 32.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024



#44

2,4,5-Trichlorophenol

Concen: 9.823 ng

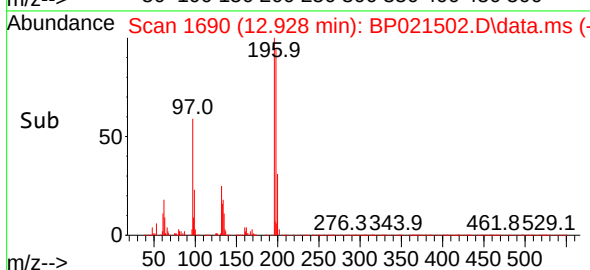
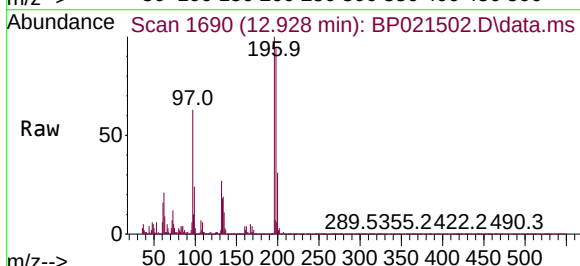
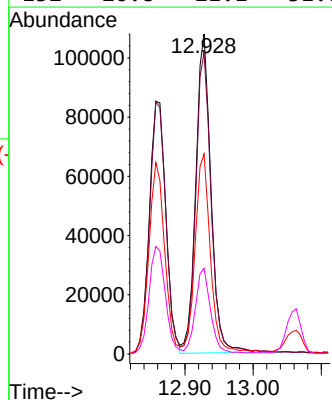
RT: 12.928 min Scan# 1690

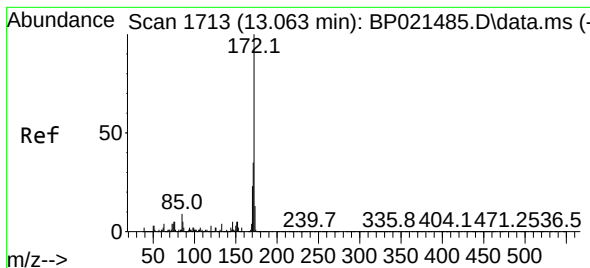
Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:196 Resp: 166071
 Ion Ratio Lower Upper
 196 100
 198 94.1 78.9 118.3
 97 62.6 49.4 74.0
 132 26.8 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 84.434 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:172 Resp: 517255

Ion Ratio Lower Upper

172 100

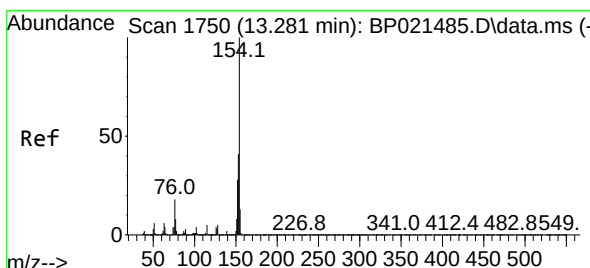
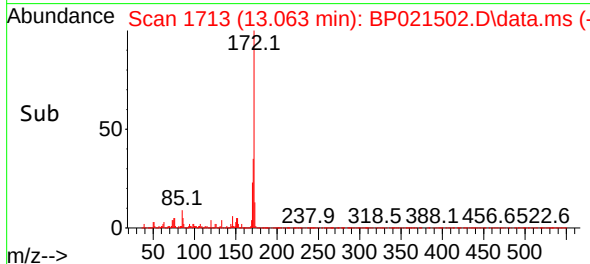
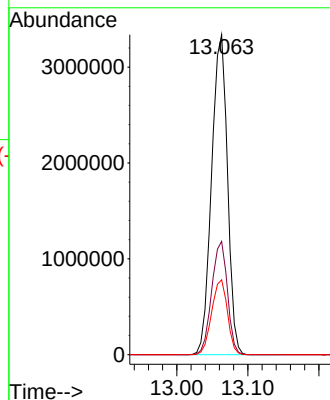
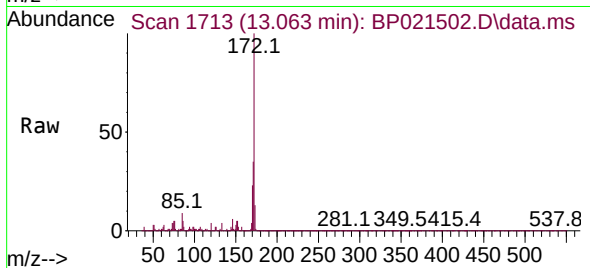
171 35.4 28.2 42.4

170 23.4 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#46

1,1'-Biphenyl

Concen: 10.417 ng

RT: 13.269 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

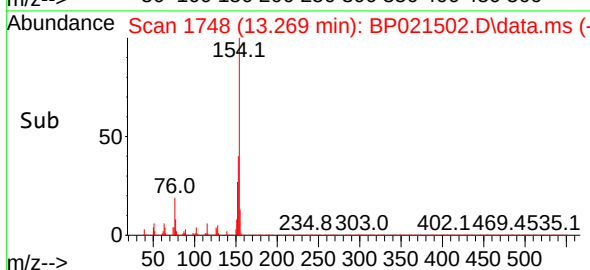
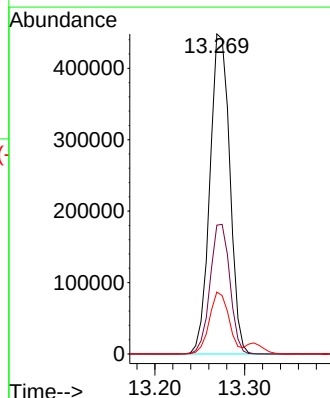
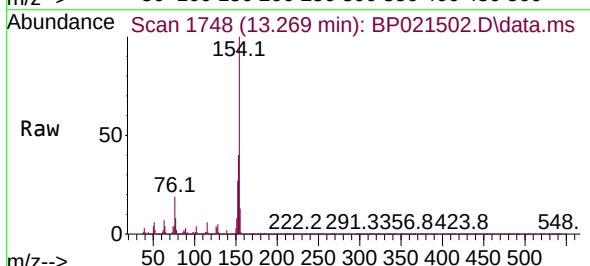
Tgt Ion:154 Resp: 689055

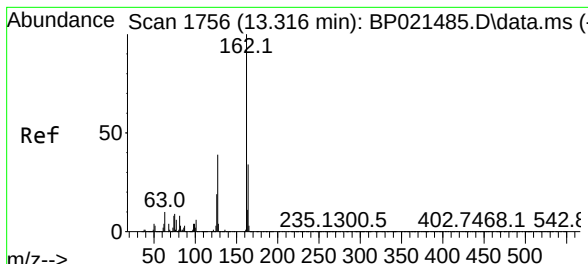
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 19.4 0.0 37.7





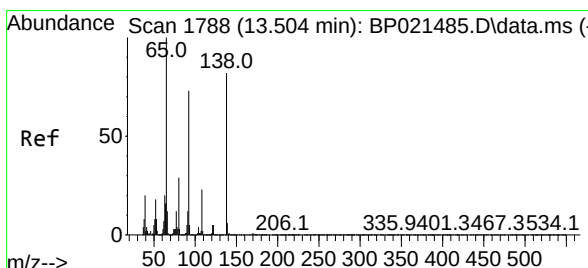
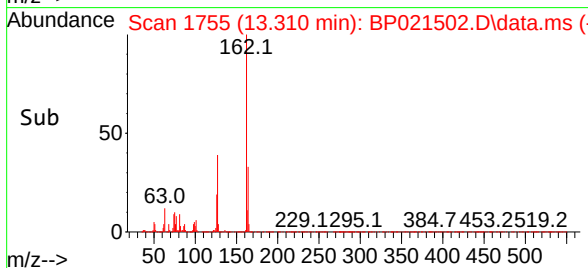
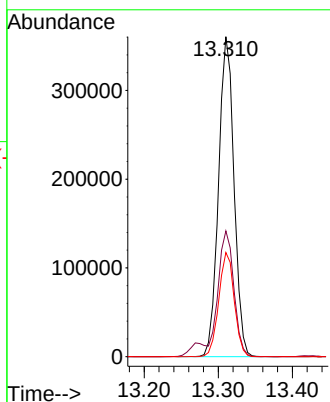
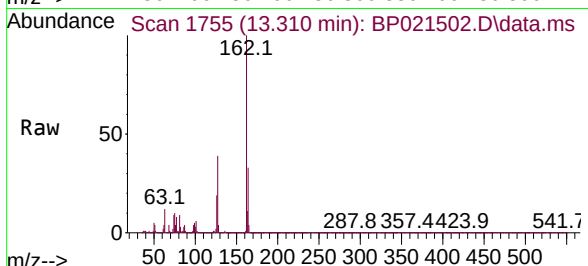
#47
2-Chloronaphthalene
Concen: 10.140 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:162 Resp: 52218
Ion Ratio Lower Upper
162 100
127 39.3 31.9 47.9
164 32.6 26.8 40.2

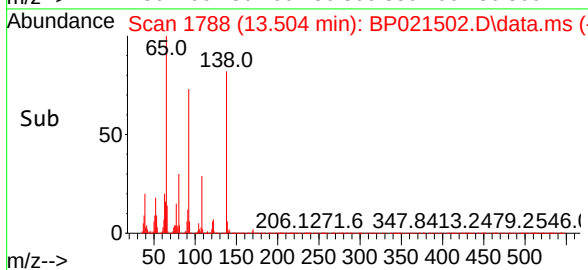
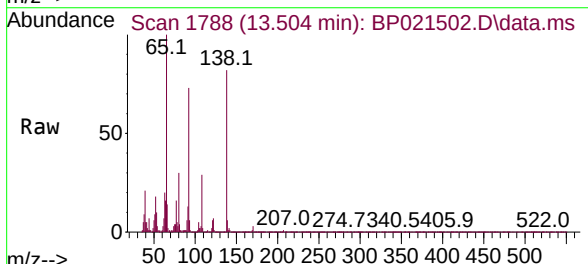
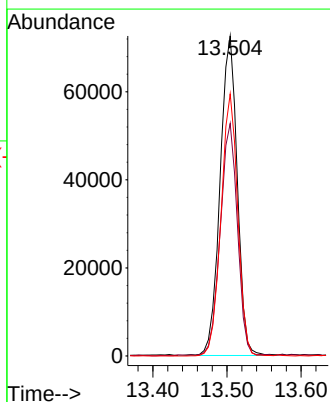
Manual Integrations
APPROVED

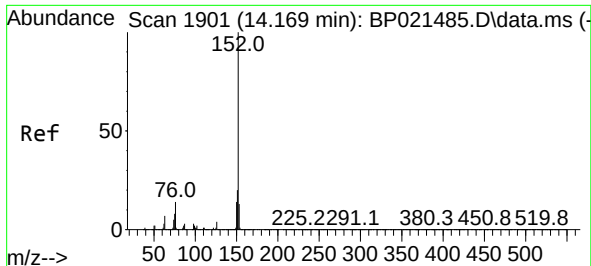
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#48
2-Nitroaniline
Concen: 9.753 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

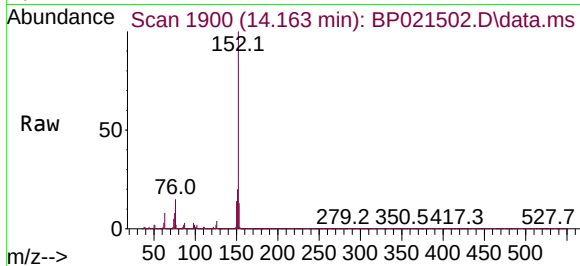
Tgt Ion: 65 Resp: 116774
Ion Ratio Lower Upper
65 100
92 72.7 58.1 87.1
138 81.9 65.5 98.3





#49
Acenaphthylene
Concen: 10.862 ng
RT: 14.163 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

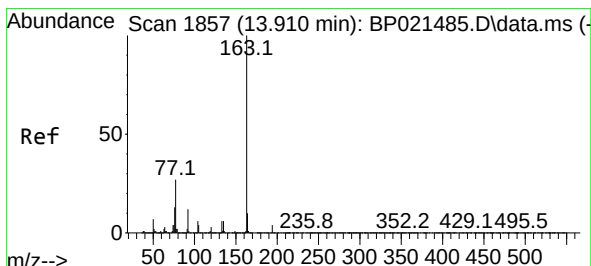
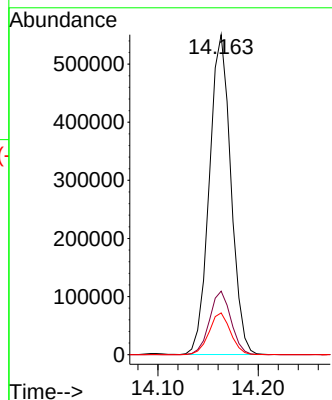
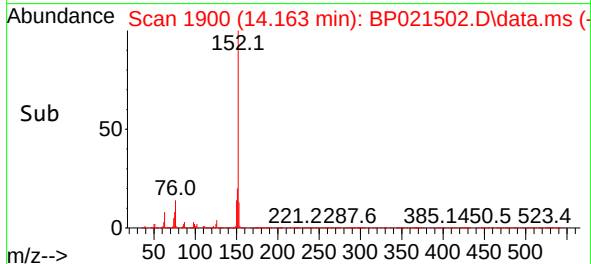
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



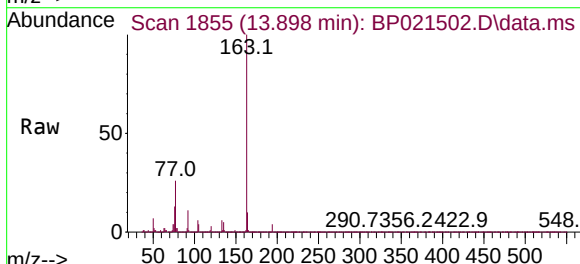
Tgt Ion:152 Resp: 822307
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.1 10.6 16.0

Manual Integrations
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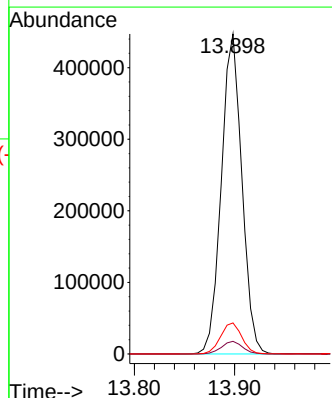
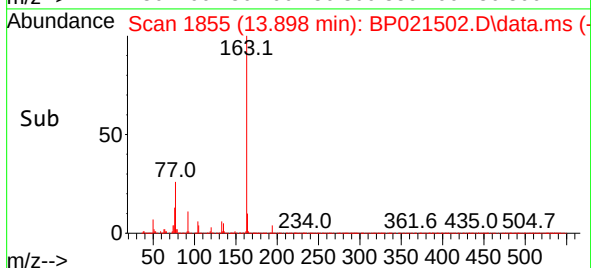
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

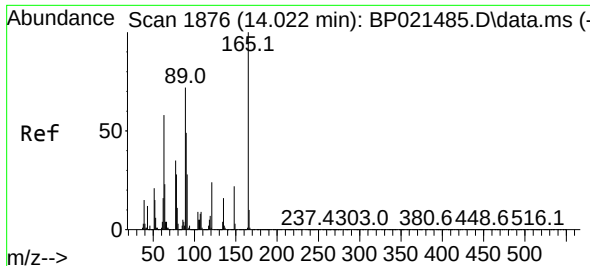


#50
Dimethylphthalate
Concen: 10.159 ng
RT: 13.898 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30



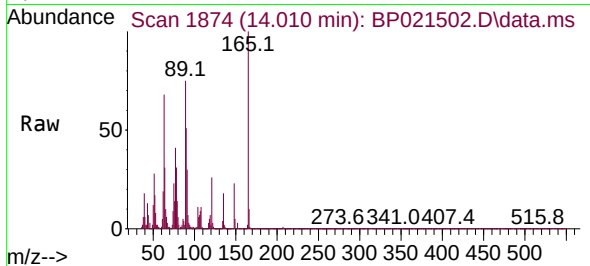
Tgt Ion:163 Resp: 636055
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.7 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 10.986 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

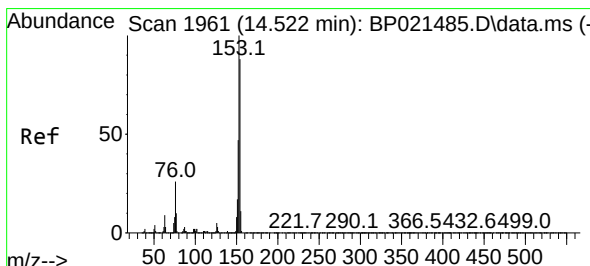
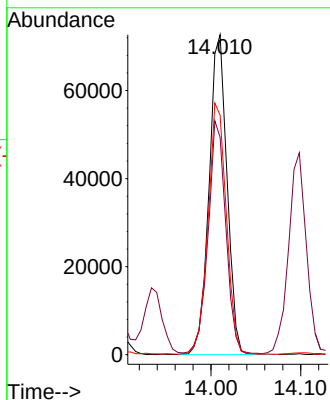
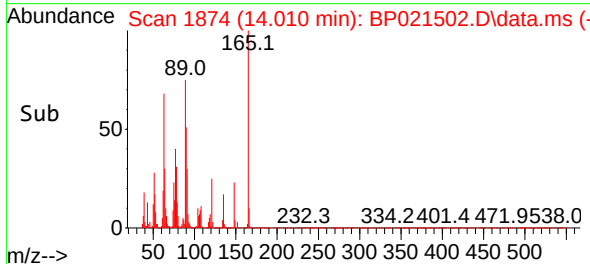
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:165 Resp: 10059
Ion Ratio Lower Upper
165 100
63 67.9 51.5 77.3
89 74.8 57.8 86.8

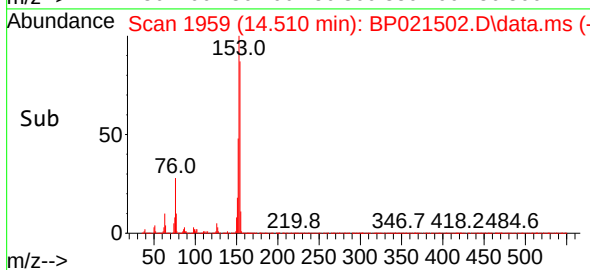
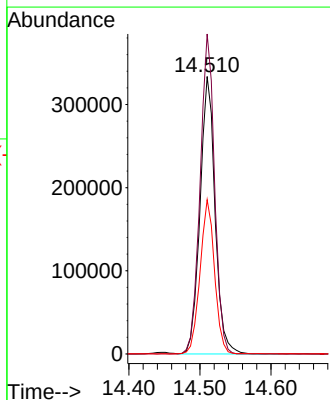
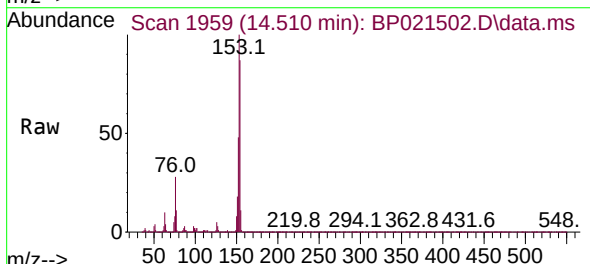
Manual Integrations
APPROVED

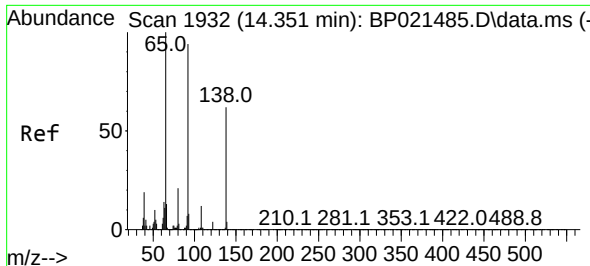
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#52
Acenaphthene
Concen: 9.900 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

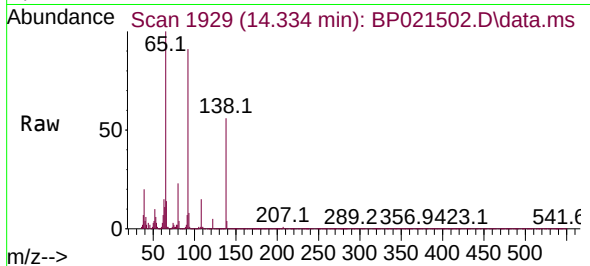
Tgt Ion:154 Resp: 491747
Ion Ratio Lower Upper
154 100
153 115.3 91.1 136.7
152 55.6 43.0 64.4





#53
3-Nitroaniline
Concen: 11.480 ng
RT: 14.334 min Scan# 1932
Delta R.T. -0.017 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

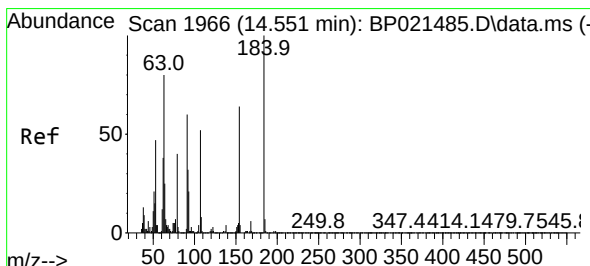
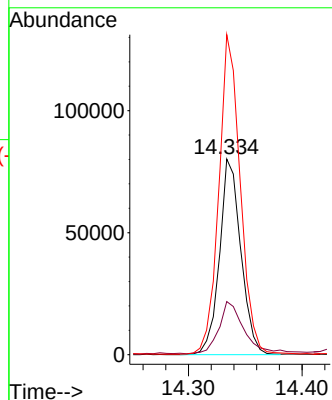
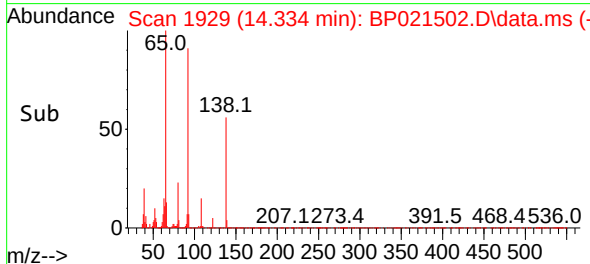
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:138 Resp: 104944
Ion Ratio Lower Upper
138 100
108 27.1 16.2 24.4
92 163.5 122.2 183.4

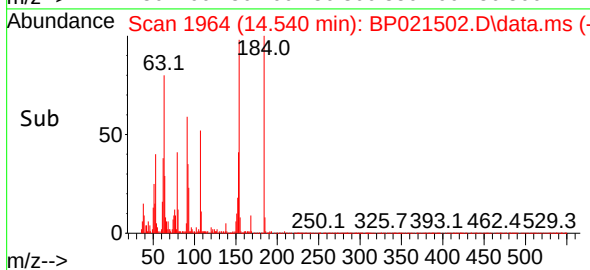
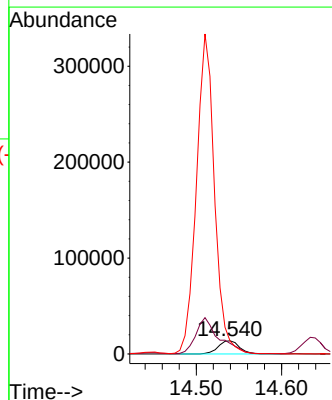
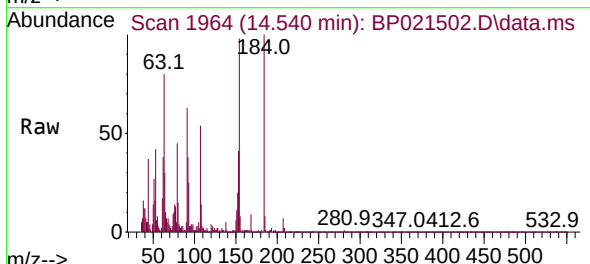
Manual Integrations
APPROVED

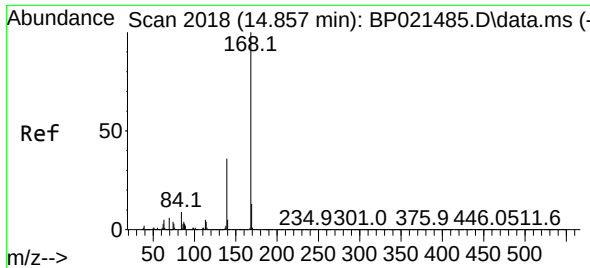
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#54
2,4-Dinitrophenol
Concen: 7.349 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

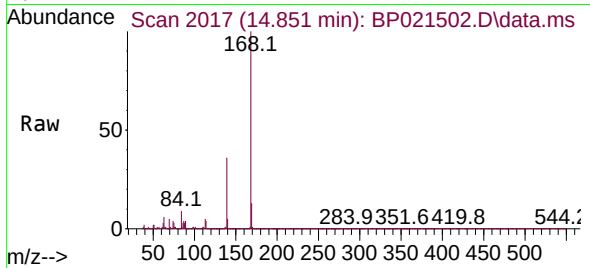
Tgt Ion:184 Resp: 23731
Ion Ratio Lower Upper
184 100
63 79.9 64.9 97.3
154 97.7 52.1 78.1





#55
Dibenzenofuran
Concen: 10.351 ng
RT: 14.851 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

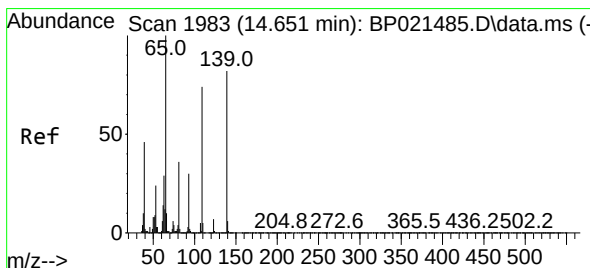
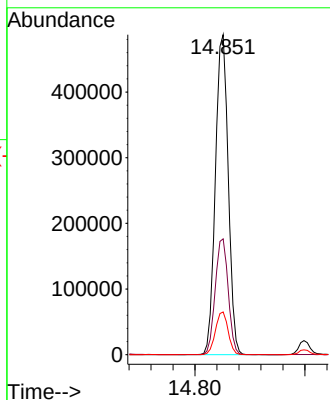
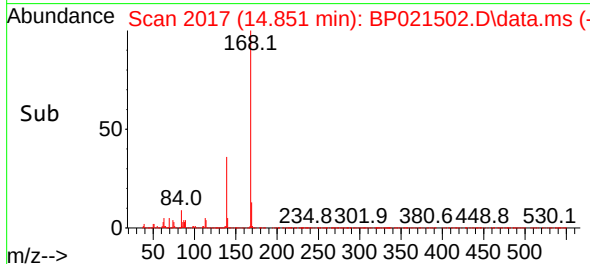
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:168 Resp: 790929
Ion Ratio Lower Upper
168 100
139 36.2 28.6 43.0
169 13.4 10.6 16.0

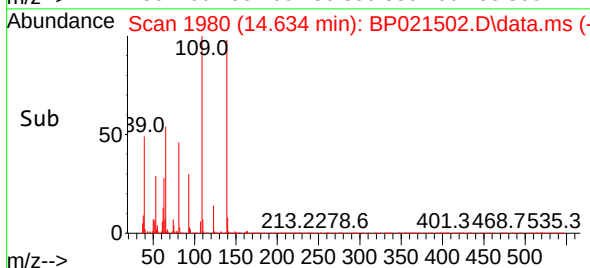
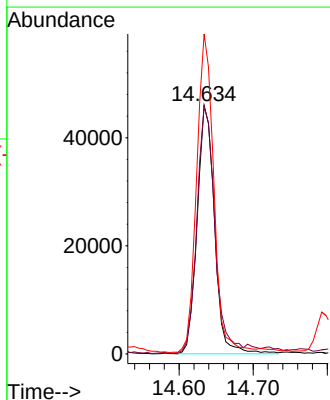
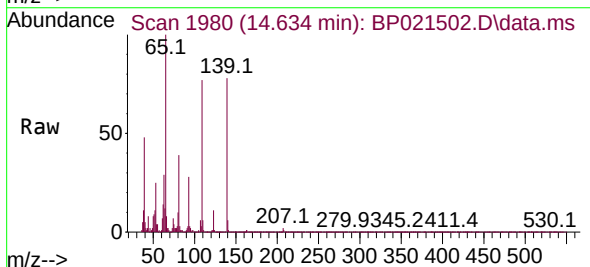
Manual Integrations
APPROVED

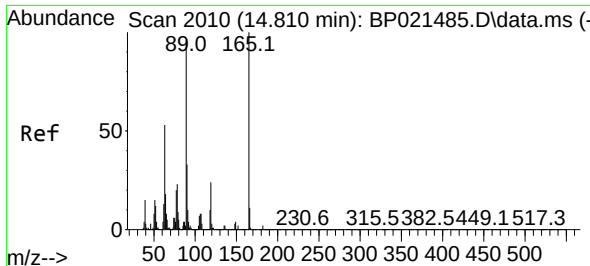
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#56
4-Nitrophenol
Concen: 8.228 ng
RT: 14.634 min Scan# 1980
Delta R.T. -0.017 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

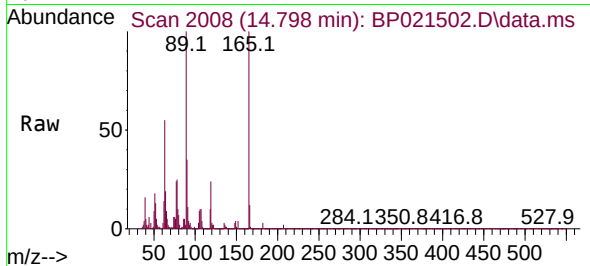
Tgt Ion:139 Resp: 74964
Ion Ratio Lower Upper
139 100
109 99.7 70.2 110.2
65 128.8 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 10.922 ng
RT: 14.798 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

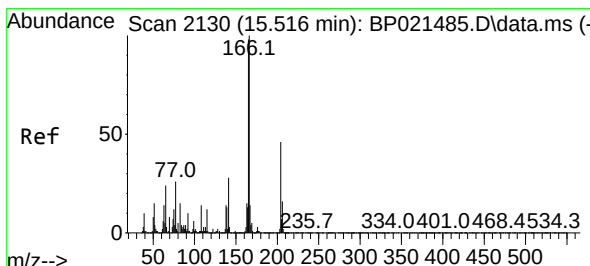
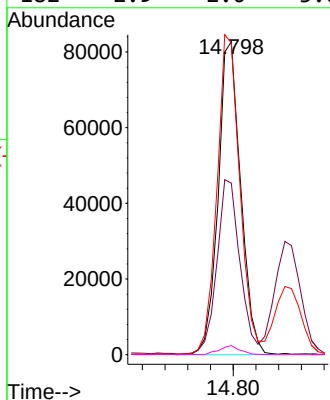
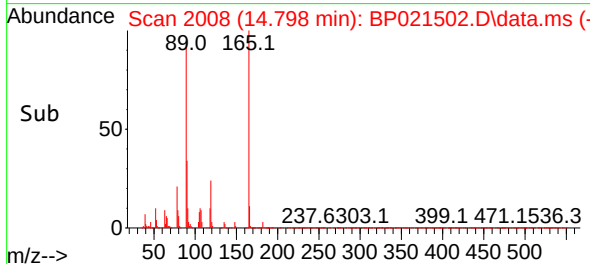
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:165 Resp: 114010
Ion Ratio Lower Upper
165 100
63 54.8 42.5 63.7
89 99.6 77.1 115.7
182 2.9 2.0 3.0

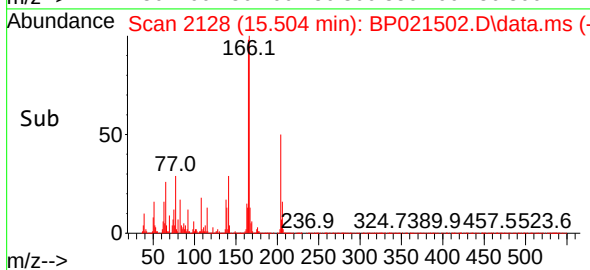
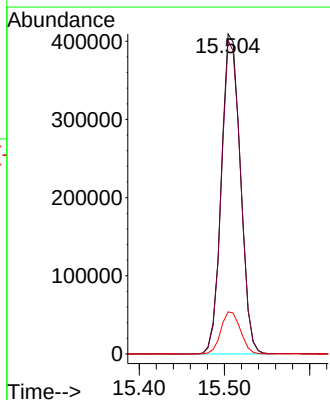
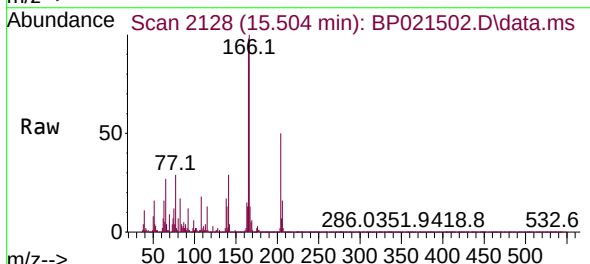
Manual Integrations
APPROVED

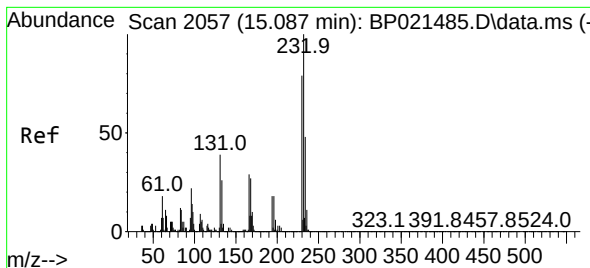
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#58
Fluorene
Concen: 10.113 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:166 Resp: 634821
Ion Ratio Lower Upper
166 100
165 98.0 78.1 117.1
167 13.1 11.0 16.4





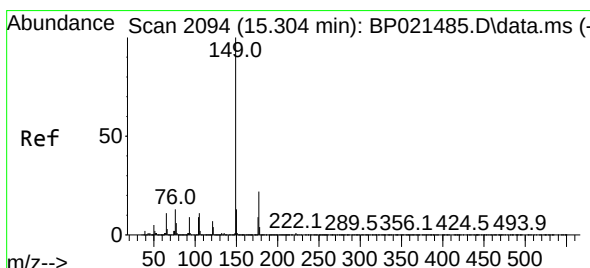
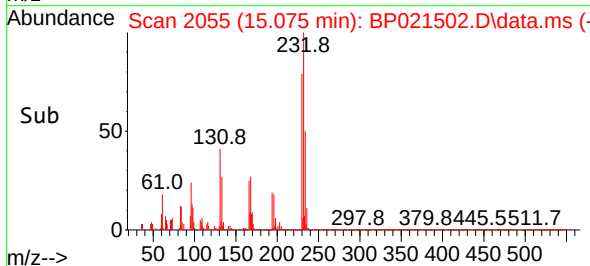
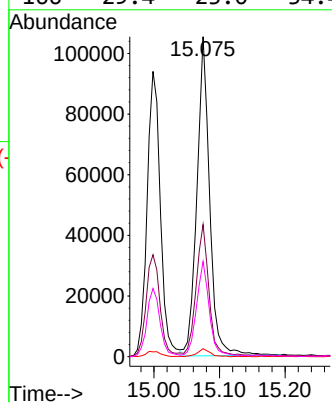
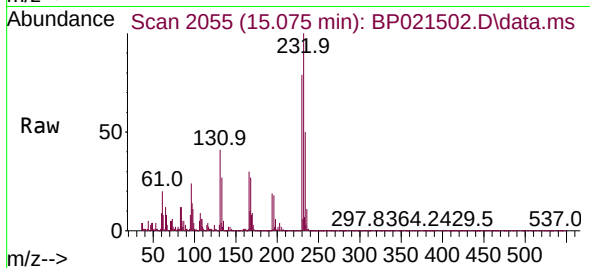
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.966 ng
RT: 15.075 min Scan# 2055
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024

Tgt Ion:232 Resp: 143015
Ion Ratio Lower Upper
232 100
131 41.1 33.1 49.7
130 2.4 1.7 2.5
166 29.4 23.0 34.4

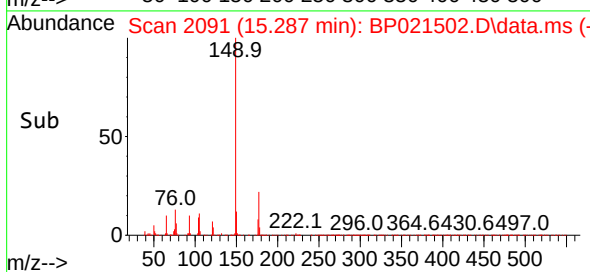
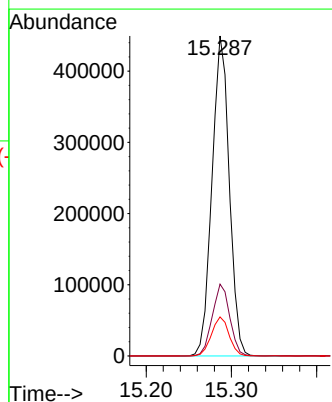
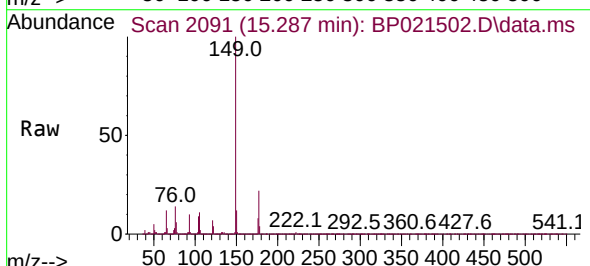
Manual Integrations
APPROVED

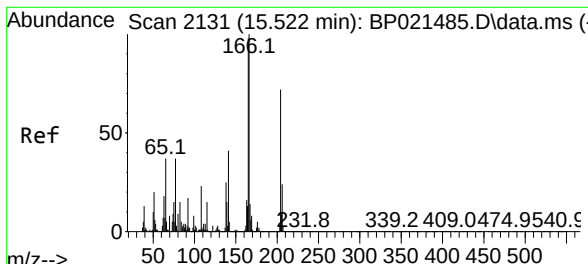
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#60
Diethylphthalate
Concen: 9.850 ng
RT: 15.287 min Scan# 2091
Delta R.T. -0.018 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:149 Resp: 632766
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.8
150 12.2 10.1 15.1





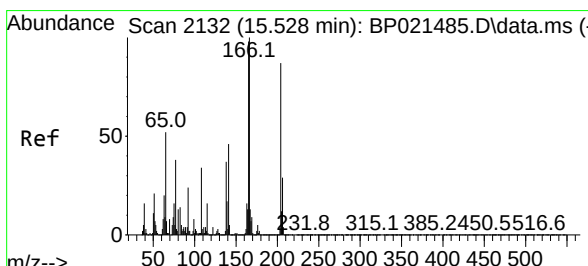
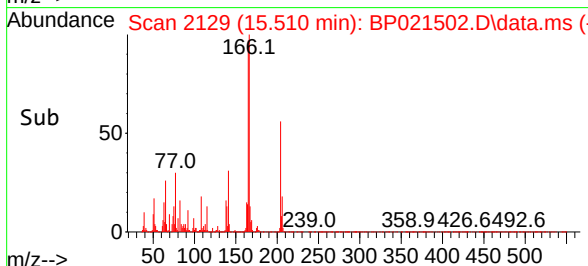
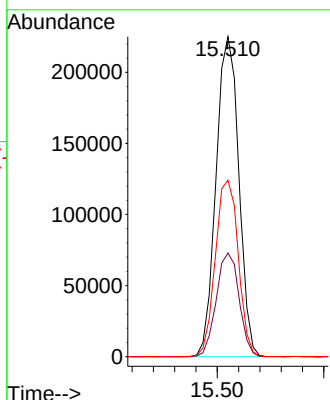
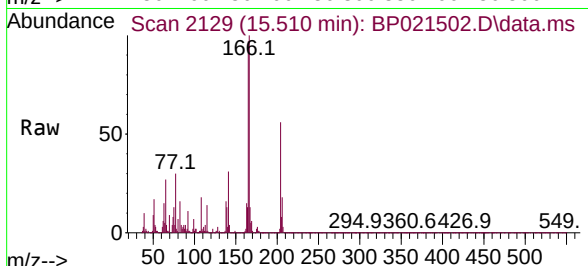
#61
4-Chlorophenyl-phenylether
Concen: 10.260 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:204 Resp: 332935
Ion Ratio Lower Upper
204 100
206 32.4 26.4 39.6
141 55.2 46.1 69.1

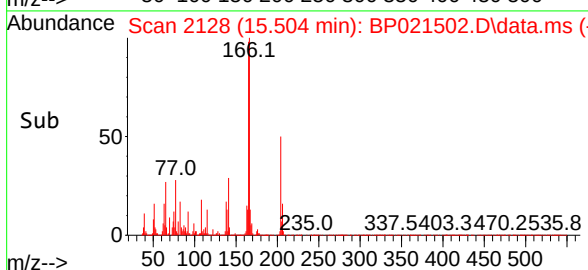
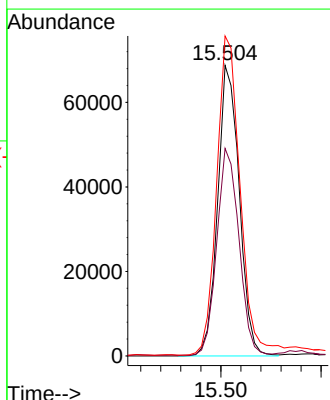
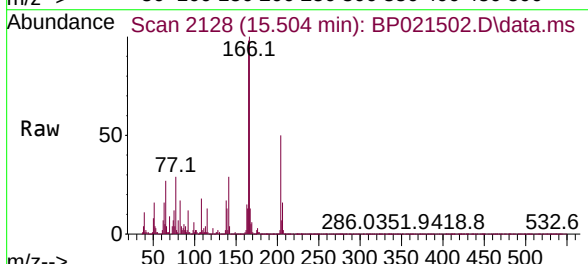
Manual Integrations
APPROVED

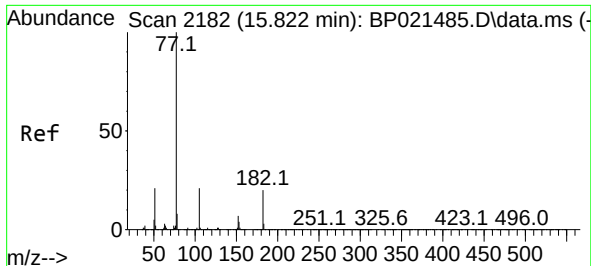
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#62
4-Nitroaniline
Concen: 10.495 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.024 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:138 Resp: 102790
Ion Ratio Lower Upper
138 100
92 71.4 46.4 86.4
108 110.1 73.2 113.2





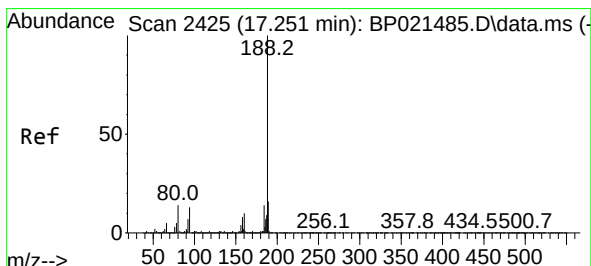
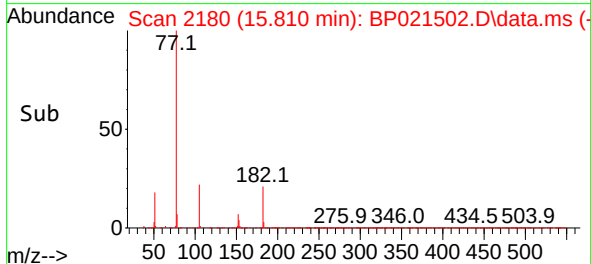
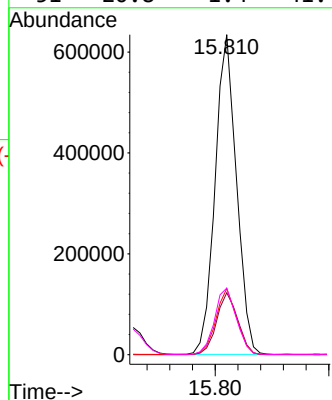
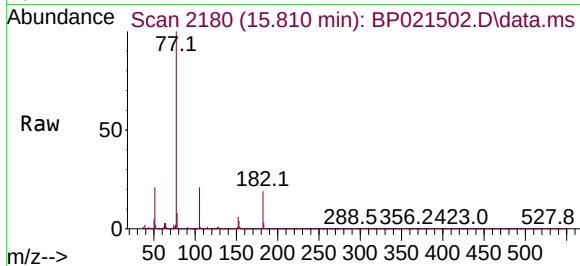
#63
Azobenzene
Concen: 10.474 ng
RT: 15.810 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 827120
Ion Ratio Lower Upper
77 100
182 19.4 0.0 39.9
105 20.7 0.9 40.9
51 20.8 1.4 41.4

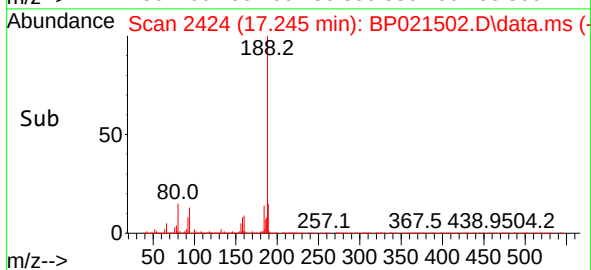
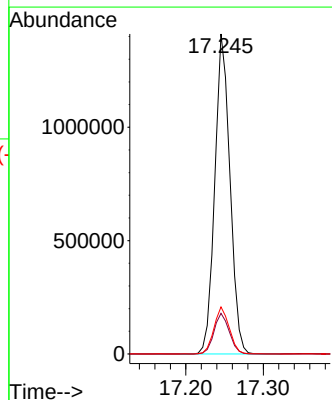
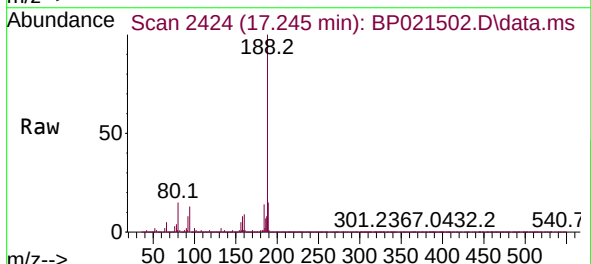
Manual Integrations
APPROVED

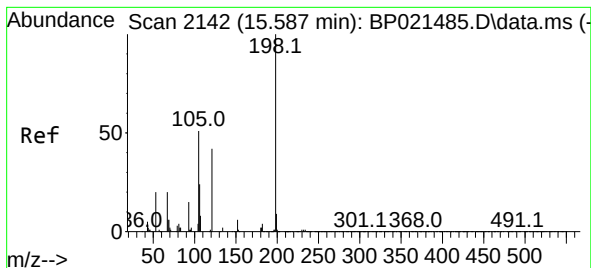
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:188 Resp: 1917404
Ion Ratio Lower Upper
188 100
94 12.7 10.2 15.4
80 14.7 11.6 17.4





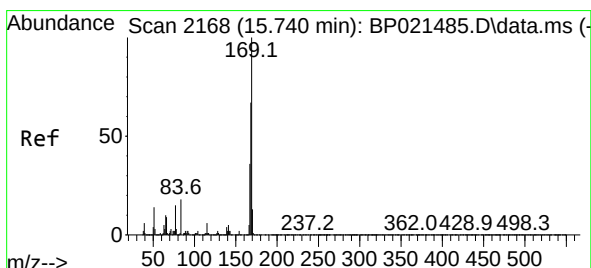
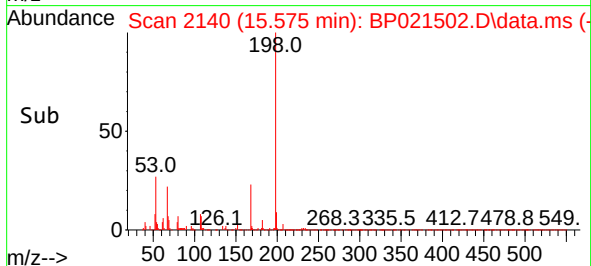
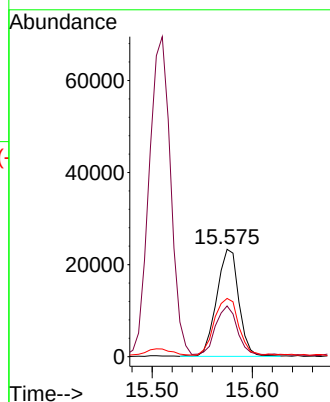
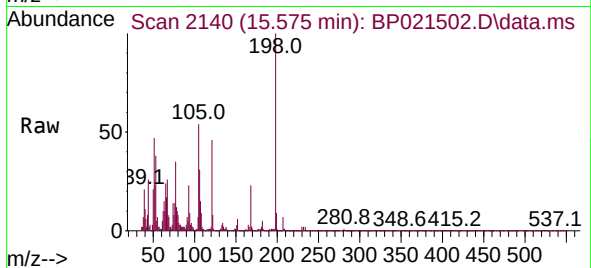
#65
4,6-Dinitro-2-methylphenol
Concen: 12.065 ng
RT: 15.575 min Scan# 2140
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:198 Resp: 35438
Ion Ratio Lower Upper
198 100
51 47.2 21.5 61.5
105 54.3 32.9 72.9

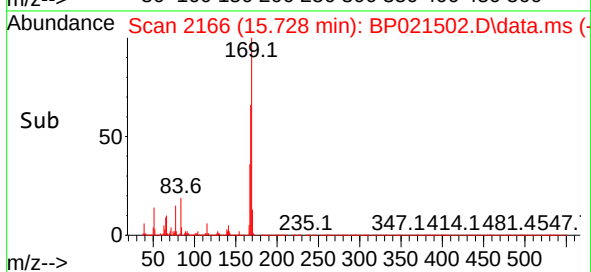
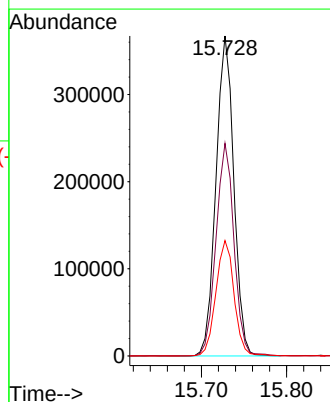
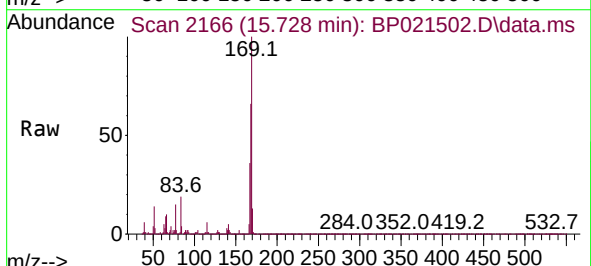
Manual Integrations
APPROVED

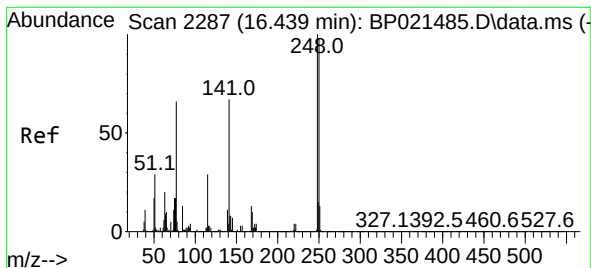
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#66
n-Nitrosodiphenylamine
Concen: 10.383 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

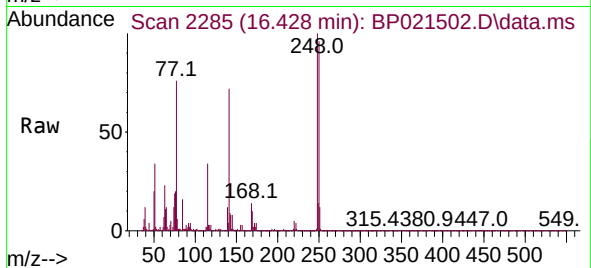
Tgt Ion:169 Resp: 533507
Ion Ratio Lower Upper
169 100
168 66.4 53.4 80.2
167 36.0 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 9.359 ng
RT: 16.428 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

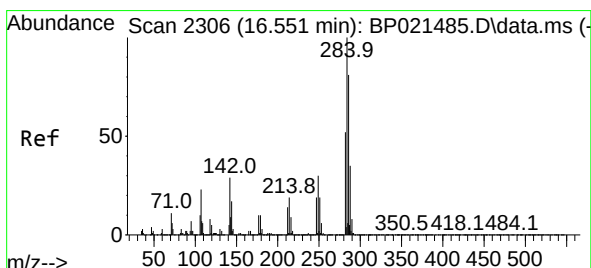
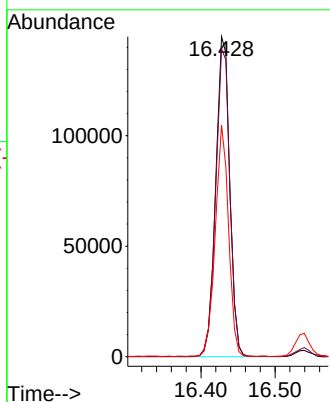
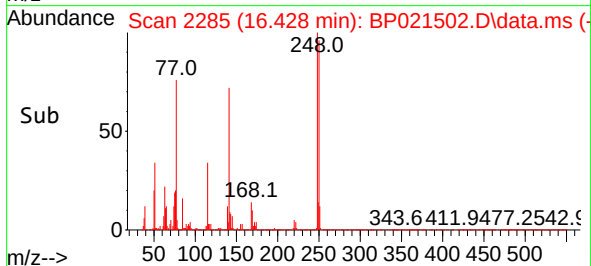
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:248 Resp: 189930
Ion Ratio Lower Upper
248 100
250 96.2 78.6 117.8
141 72.4 53.9 80.9

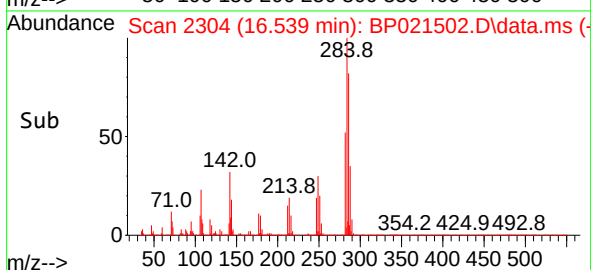
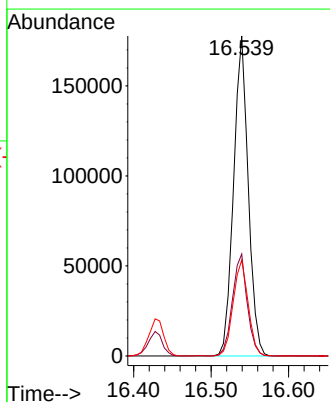
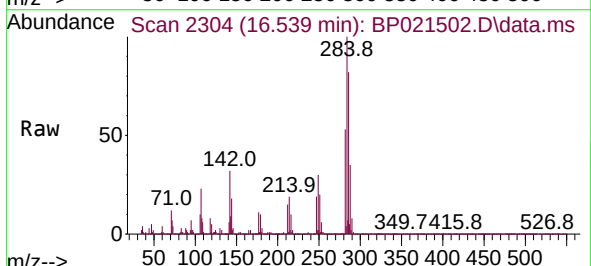
Manual Integrations
APPROVED

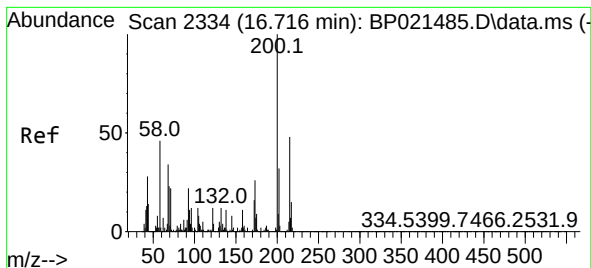
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#68
Hexachlorobenzene
Concen: 9.759 ng
RT: 16.539 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:284 Resp: 234038
Ion Ratio Lower Upper
284 100
142 31.9 23.4 35.2
249 29.9 24.1 36.1





#69

Atrazine

Concen: 10.309 ng

RT: 16.704 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

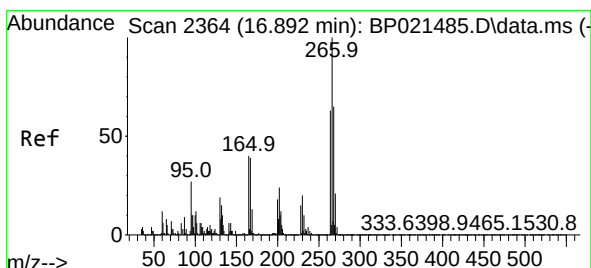
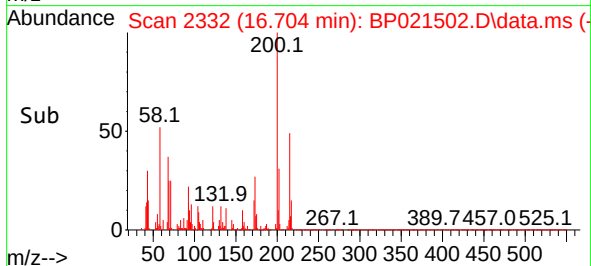
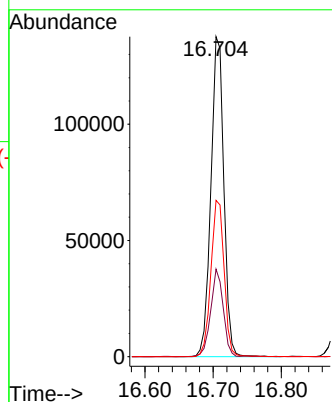
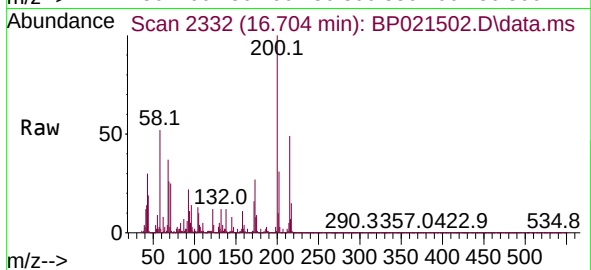
LOQ-SOIL-02-QT3-2024

Tgt Ion:	200	Resp:	181870
Ion Ratio	Lower	Upper	
200	100		
173	27.4	6.2	46.2
215	48.8	28.4	68.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#70

Pentachlorophenol

Concen: 7.722 ng

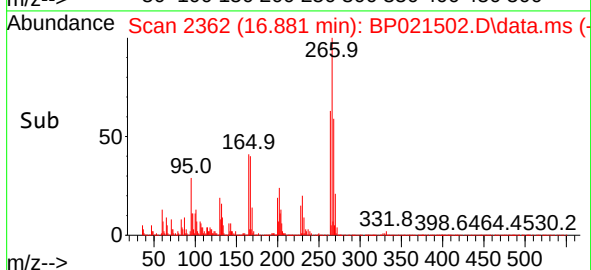
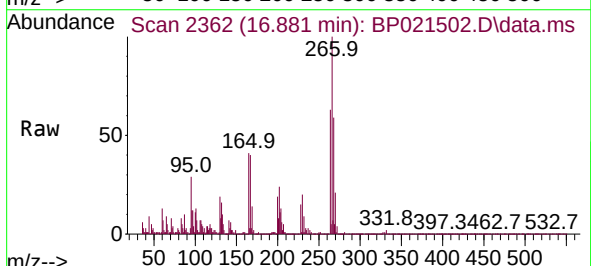
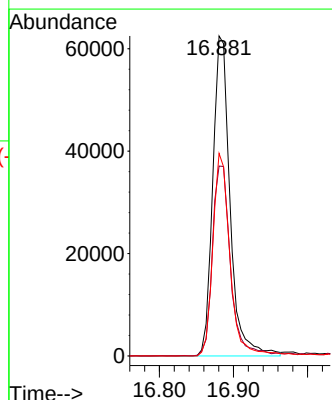
RT: 16.881 min Scan# 2362

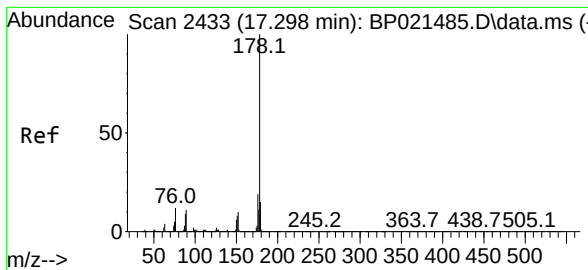
Delta R.T. -0.011 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:	266	Resp:	101070
Ion Ratio	Lower	Upper	
266	100		
268	59.3	51.8	77.6
264	63.3	50.5	75.7





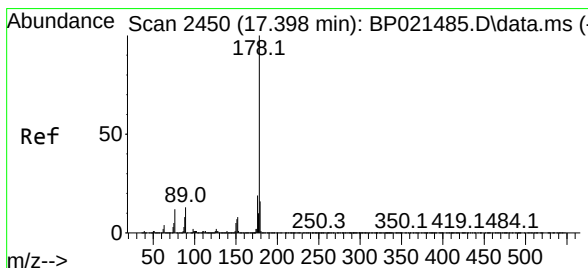
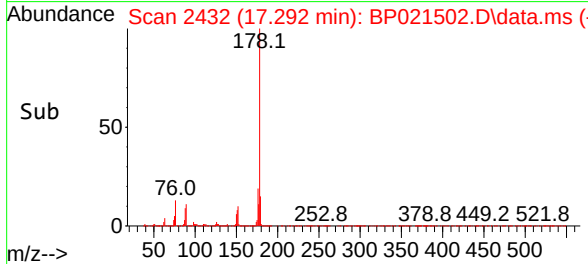
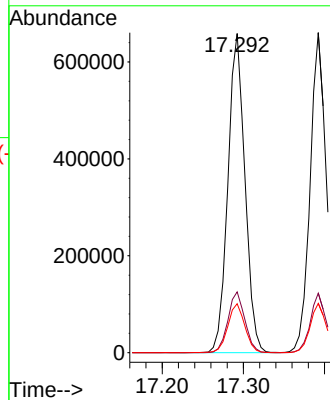
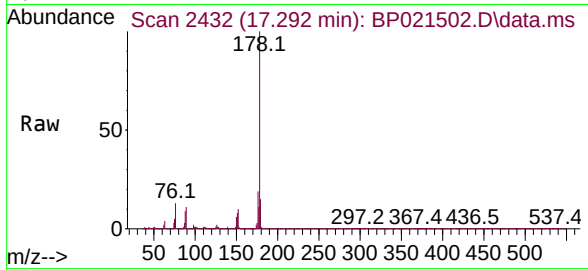
#71
Phenanthrene
Concen: 10.410 ng
RT: 17.292 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:178 Resp: 959910
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.4 18.6

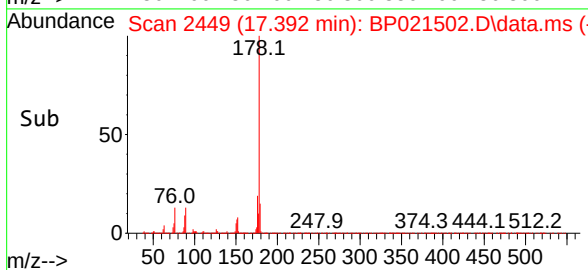
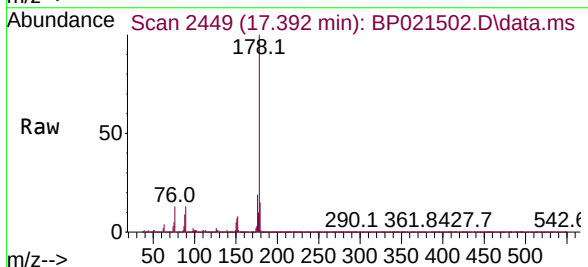
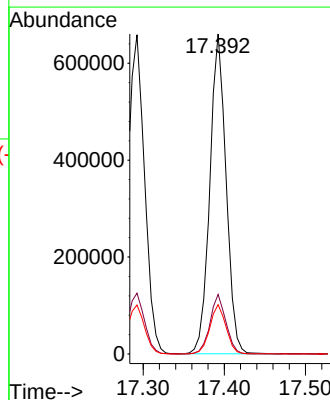
Manual Integrations
APPROVED

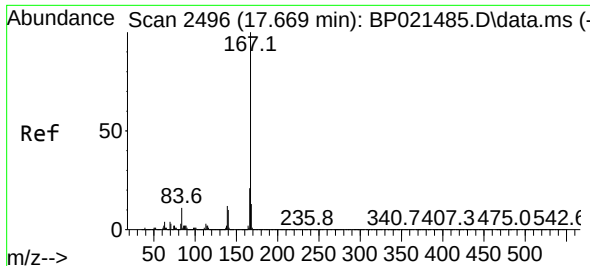
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#72
Anthracene
Concen: 10.150 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

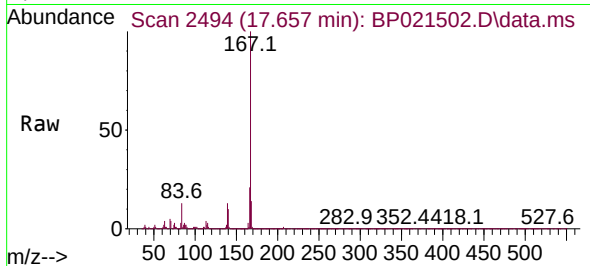
Tgt Ion:178 Resp: 917929
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.4 12.5 18.7





#73
 Carbazole
 Concen: 9.736 ng
 RT: 17.657 min Scan# 2496
 Delta R.T. -0.012 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30

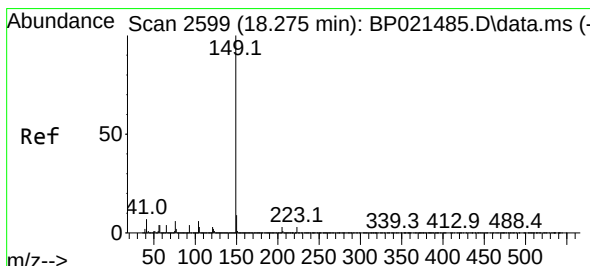
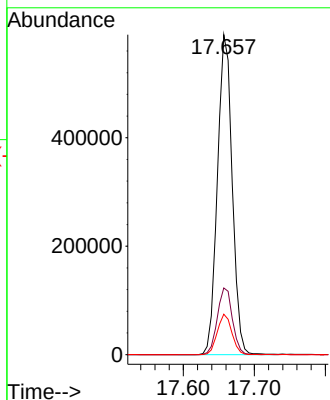
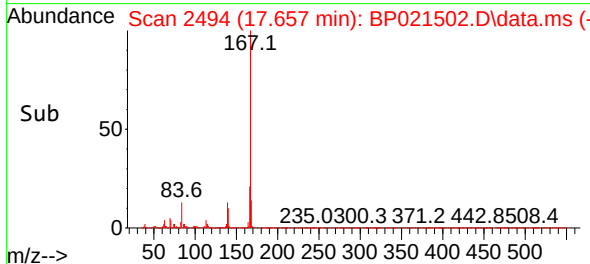
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT3-2024



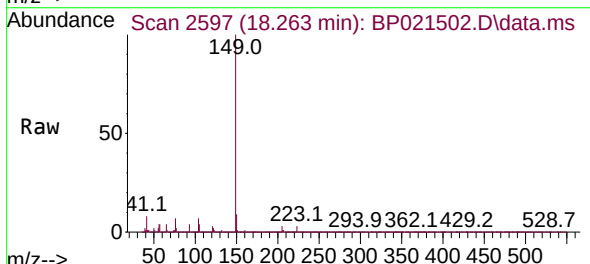
Tgt Ion:167 Resp: 848534
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.0 25.4
 139 12.7 9.9 14.9

Manual Integrations
 APPROVED

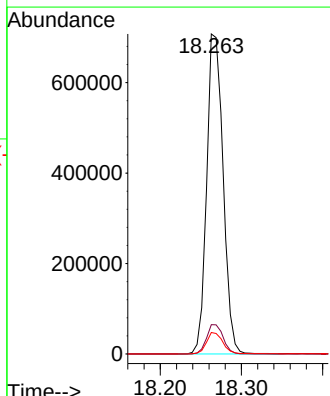
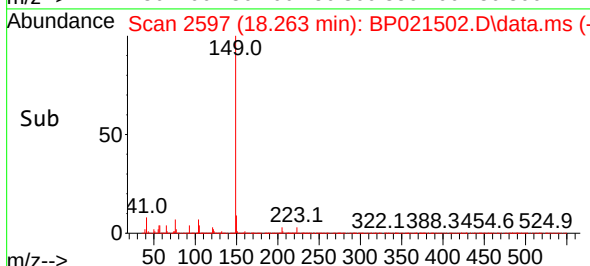
Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024

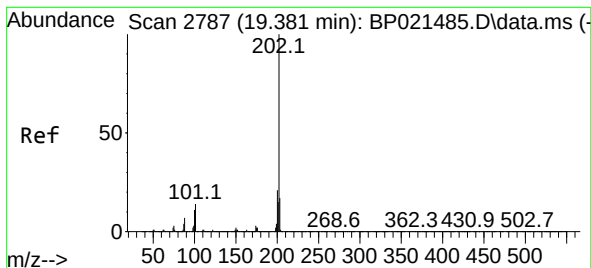


#74
 Di-n-butylphthalate
 Concen: 9.268 ng
 RT: 18.263 min Scan# 2597
 Delta R.T. -0.012 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30



Tgt Ion:149 Resp: 992028
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 6.7 4.9 7.3





#75

Fluoranthene

Concen: 9.428 ng

RT: 19.375 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:202 Resp: 106666

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.0

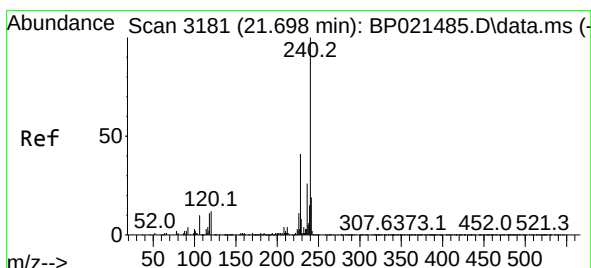
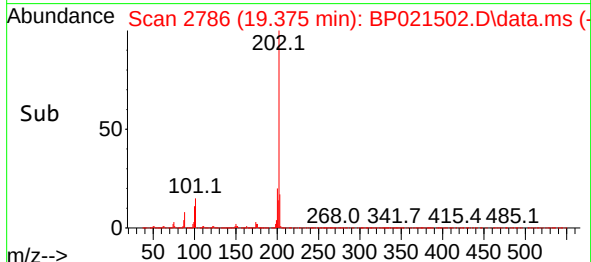
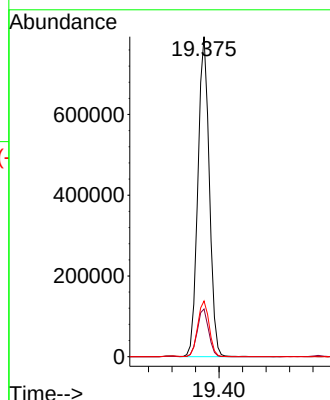
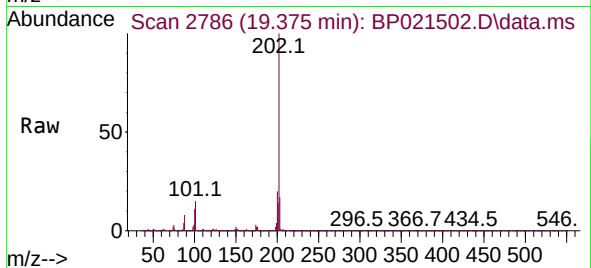
203 17.4 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024

Supervised By :mohammad ahmed 08/16/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.692 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

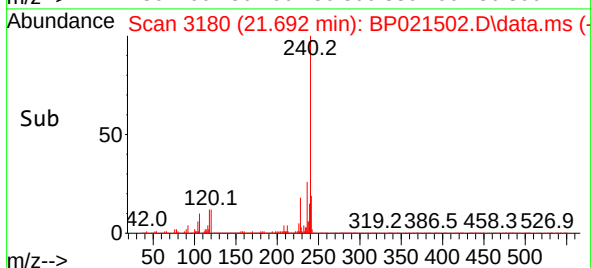
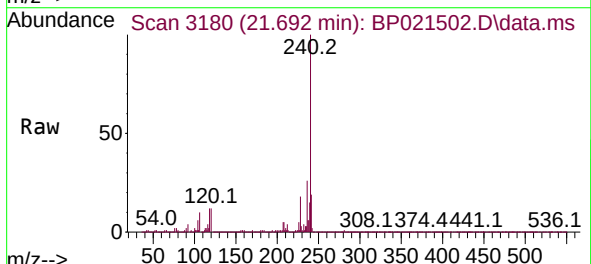
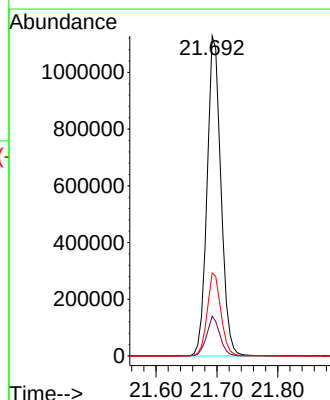
Tgt Ion:240 Resp: 1782628

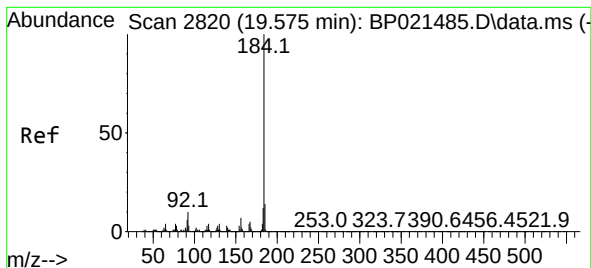
Ion Ratio Lower Upper

240 100

120 12.4 9.9 14.9

236 26.0 20.6 30.8





#77

Benzidine

Concen: 10.428 ng

RT: 19.569 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

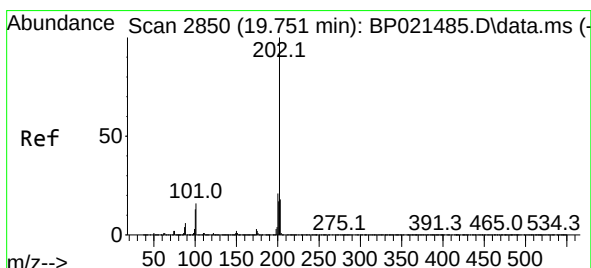
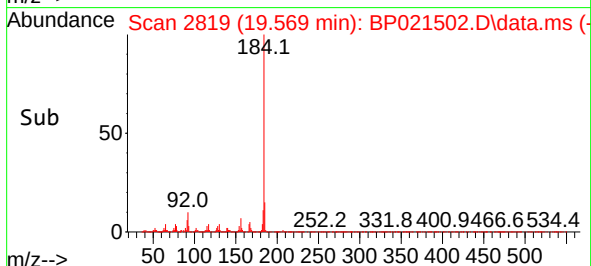
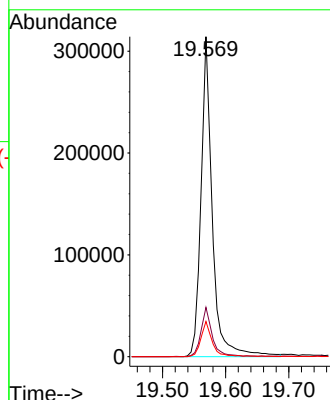
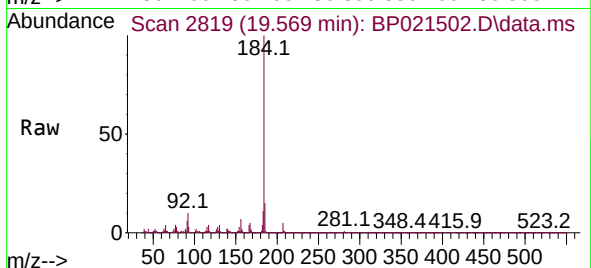
LOQ-SOIL-02-QT3-2024

Tgt Ion:184	Resp: 389999
Ion Ratio	Lower Upper
184 100	
185 15.4	11.4 17.0
183 11.0	9.3 13.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#78

Pyrene

Concen: 9.598 ng

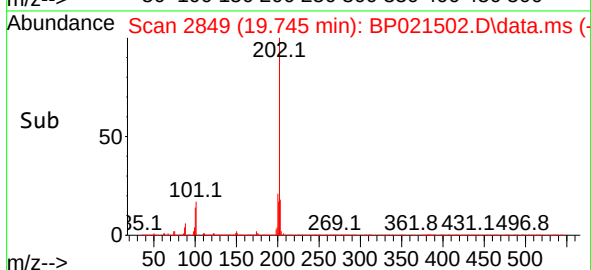
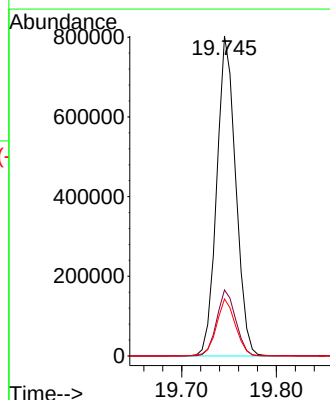
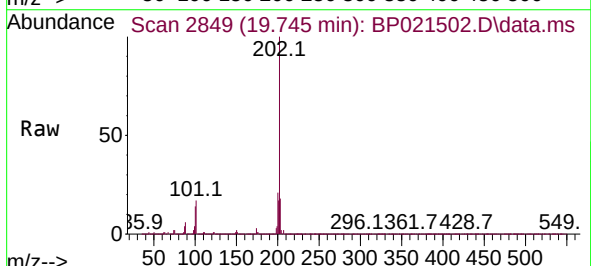
RT: 19.745 min Scan# 2849

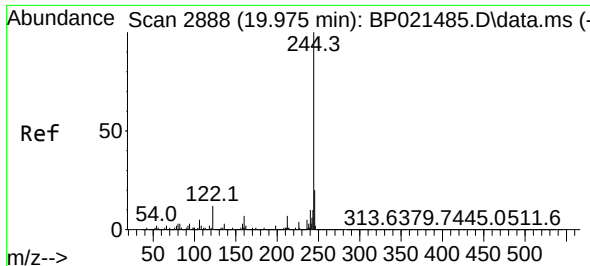
Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

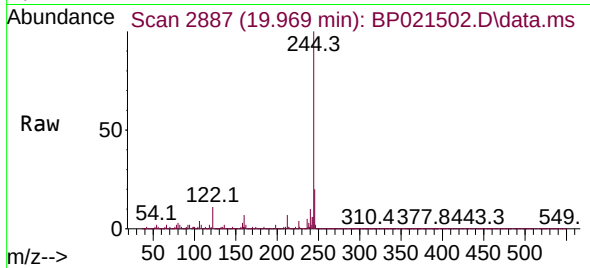
Tgt Ion:202	Resp: 1118309
Ion Ratio	Lower Upper
202 100	
200 20.6	16.7 25.1
203 17.8	14.1 21.1





#79
 Terphenyl-d14
 Concen: 81.552 ng
 RT: 19.969 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30

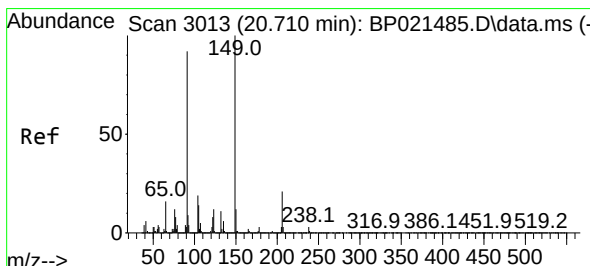
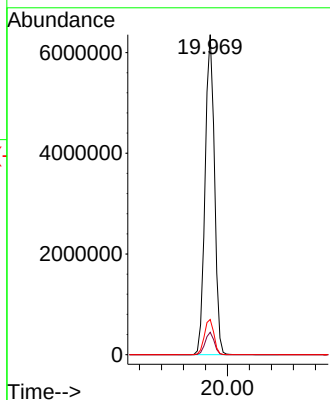
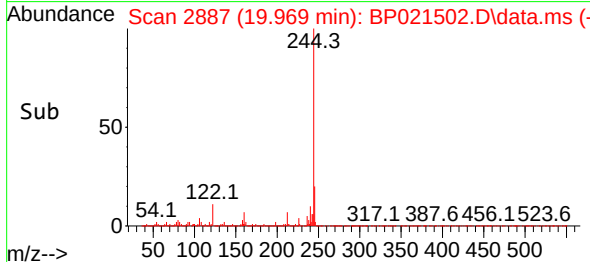
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024



Tgt Ion:244 Resp: 748317
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.0 9.4 14.2

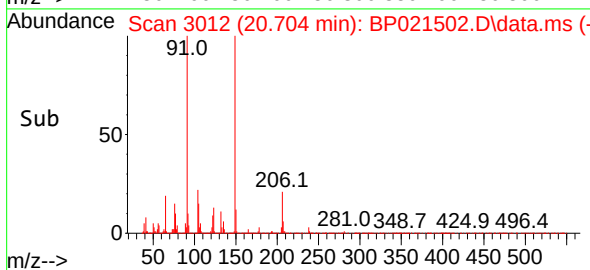
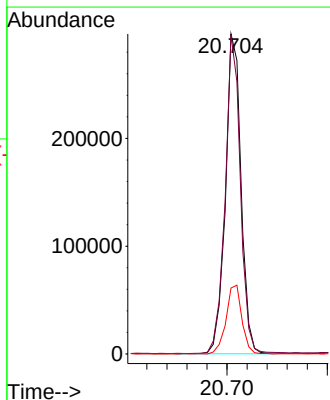
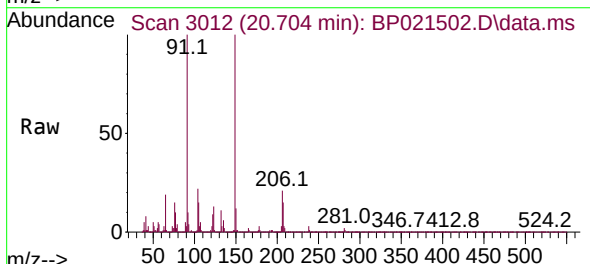
Manual Integrations
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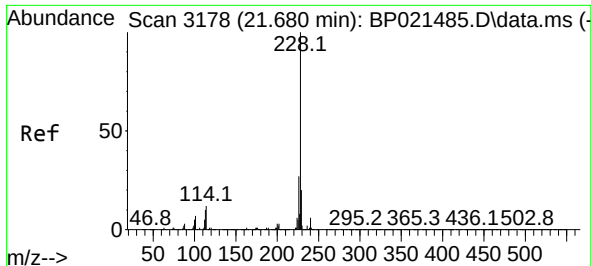
Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024



#80
 Butylbenzylphthalate
 Concen: 9.839 ng
 RT: 20.704 min Scan# 3012
 Delta R.T. -0.006 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30

Tgt Ion:149 Resp: 318595
 Ion Ratio Lower Upper
 149 100
 91 99.8 73.3 109.9
 206 20.6 17.1 25.7





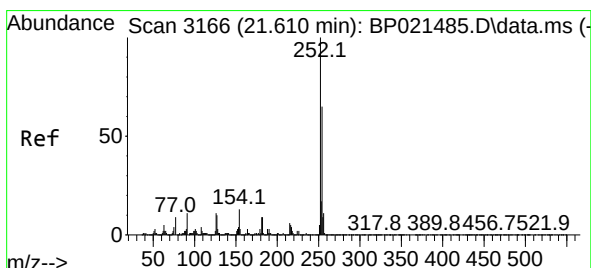
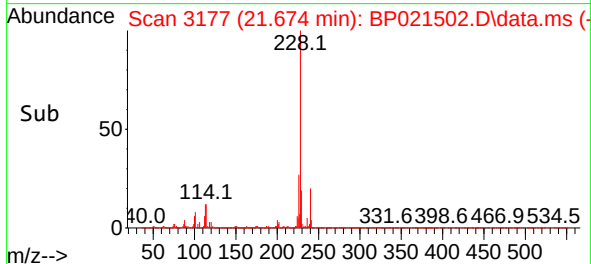
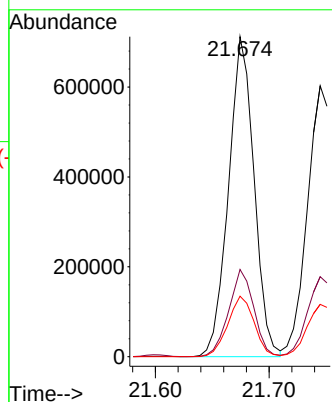
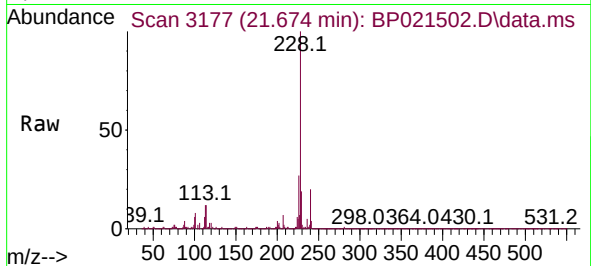
#81
Benzo(a)anthracene
Concen: 9.946 ng
RT: 21.674 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024

Tgt Ion:228 Resp: 1113040
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 18.9 15.8 23.6

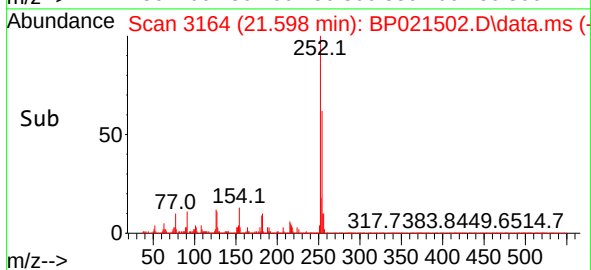
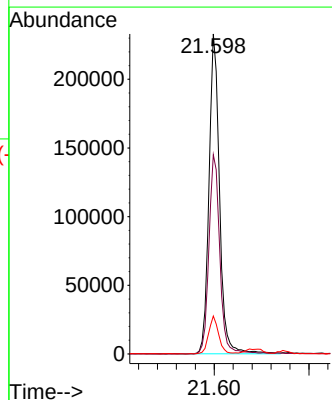
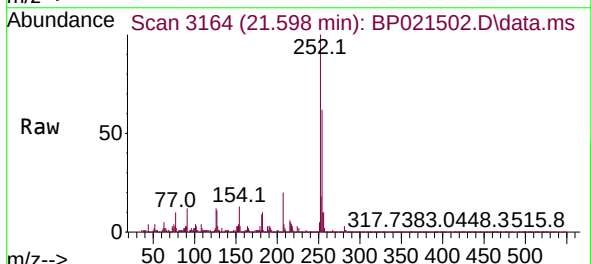
Manual Integrations
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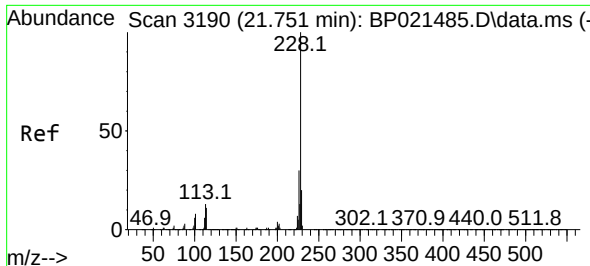
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#82
3,3'-Dichlorobenzidine
Concen: 10.009 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

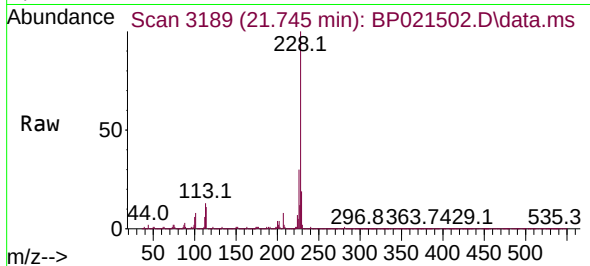
Tgt Ion:252 Resp: 359119
Ion Ratio Lower Upper
252 100
254 62.2 51.7 77.5
126 11.8 8.7 13.1





#83
Chrysene
Concen: 9.798 ng
RT: 21.745 min Scan# 3190
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

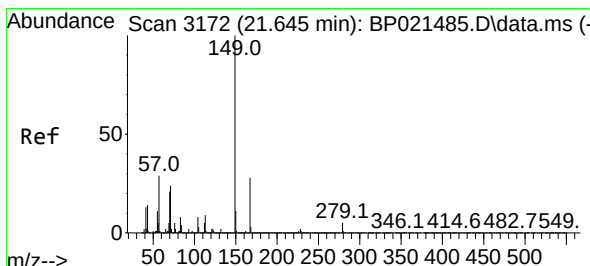
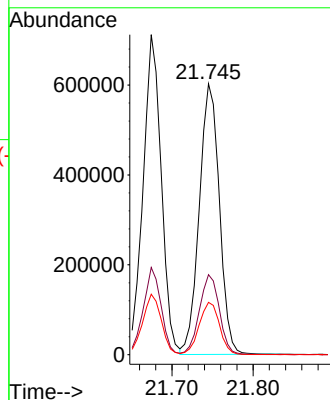
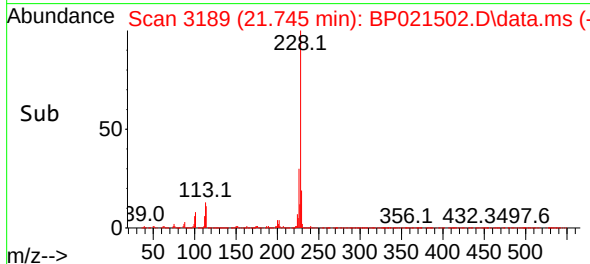
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024



Tgt Ion:228 Resp: 103522
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 19.3 15.8 23.6

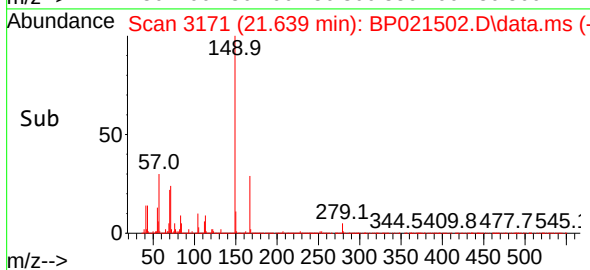
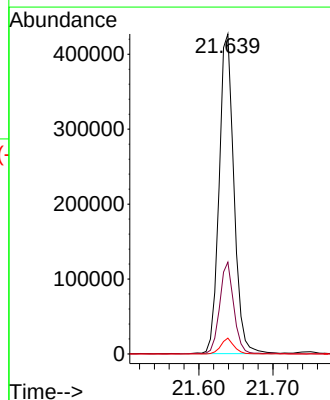
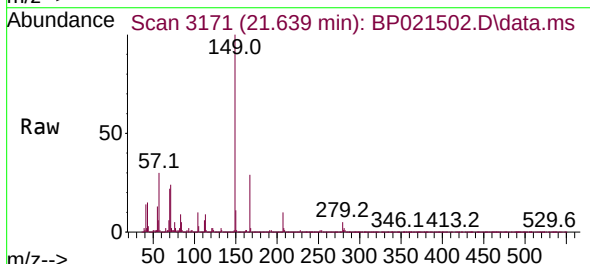
Manual Integrations
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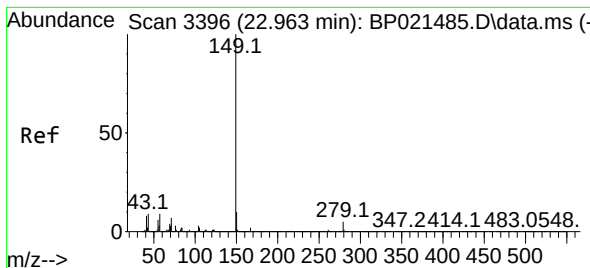
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.130 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:149 Resp: 592518
Ion Ratio Lower Upper
149 100
167 28.7 22.3 33.5
279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 11.083 ng

RT: 22.957 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

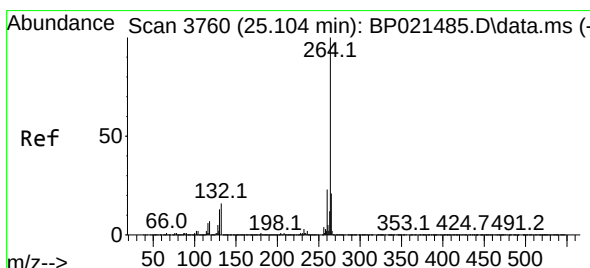
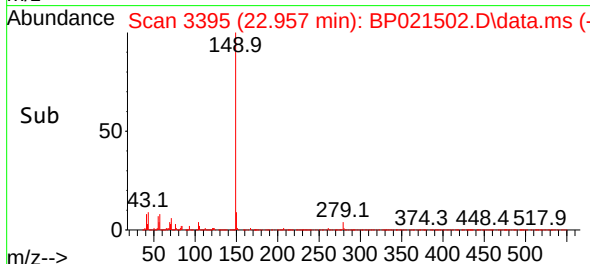
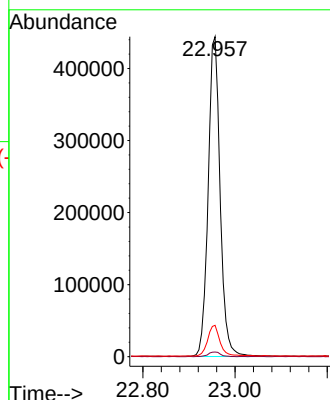
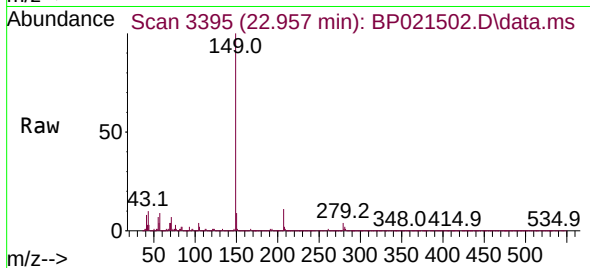
LOQ-SOIL-02-QT3-2024

Tgt Ion:149	Resp: 80704
Ion Ratio	Lower Upper
149 100	
167 1.5	1.3 1.9
43 9.8	7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#86

Perylene-d12

Concen: 20.000 ng

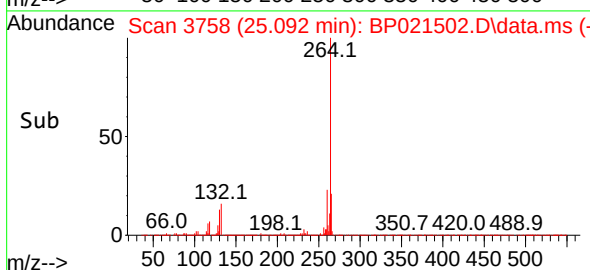
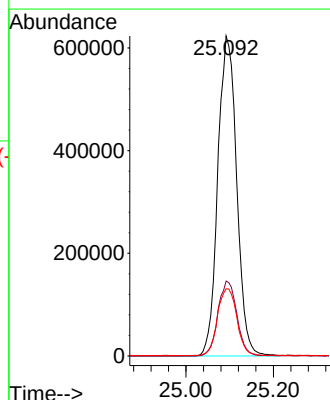
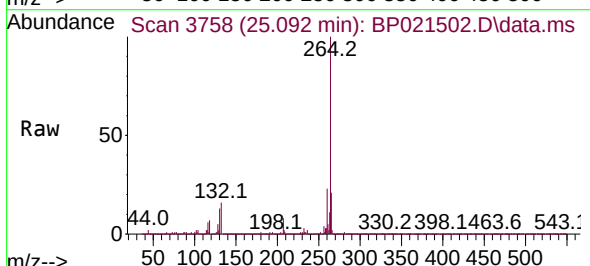
RT: 25.092 min Scan# 3758

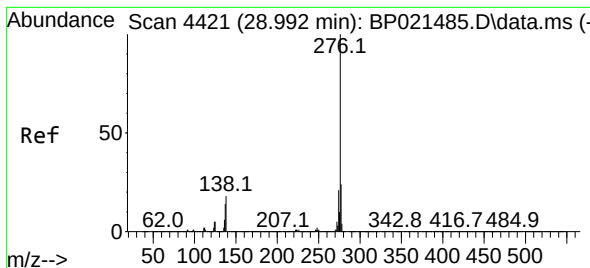
Delta R.T. -0.012 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Tgt Ion:264	Resp: 1858884
Ion Ratio	Lower Upper
264 100	
260 23.4	18.6 28.0
265 21.0	17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.844 ng m

RT: 28.968 min Scan# 4421

Delta R.T. -0.024 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:276 Resp: 118614

Ion Ratio Lower Upper

276 100

138 15.7 12.8 19.2

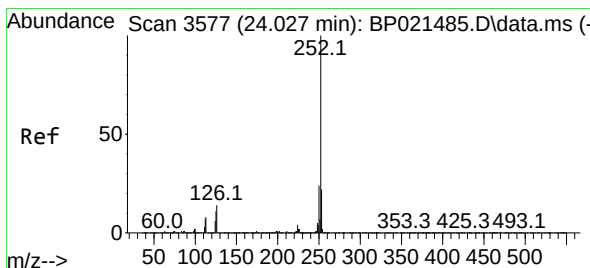
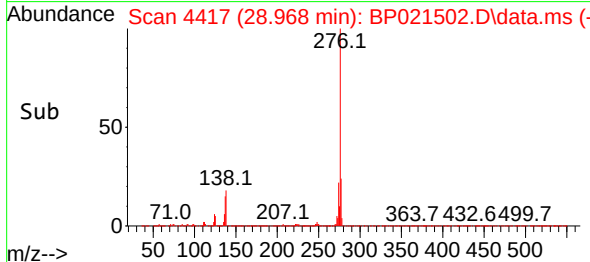
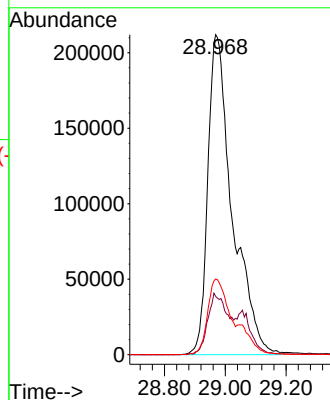
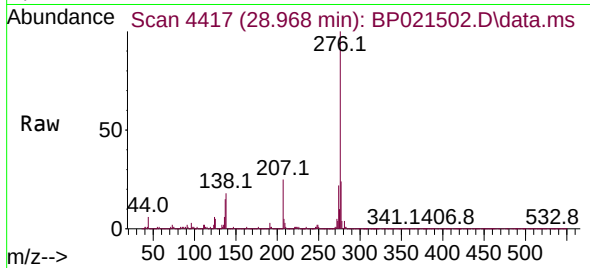
277 20.2 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024

Supervised By :mohammad ahmed 08/16/2024



#88

Benzo(b)fluoranthene

Concen: 9.578 ng

RT: 24.027 min Scan# 3577

Delta R.T. -0.000 min

Lab File: BP021502.D

Acq: 14 Aug 2024 16:30

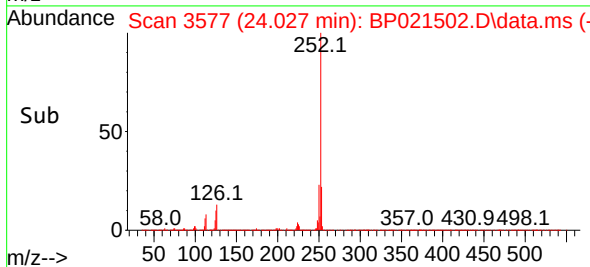
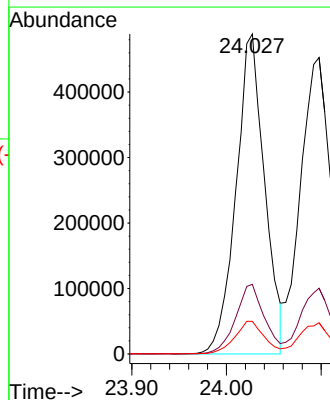
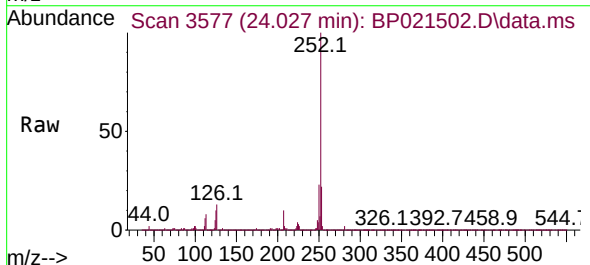
Tgt Ion:252 Resp: 1022599

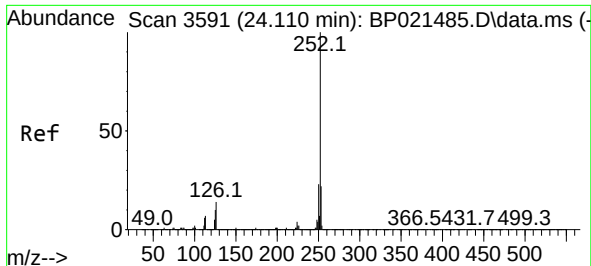
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.2 8.6 13.0





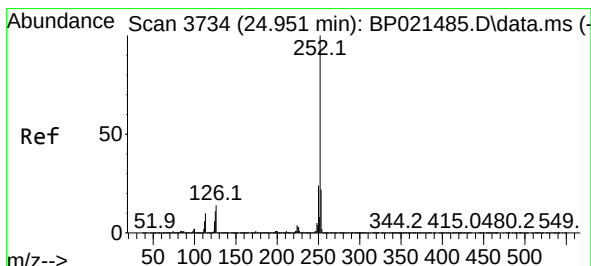
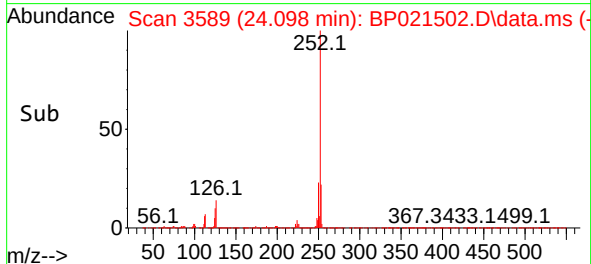
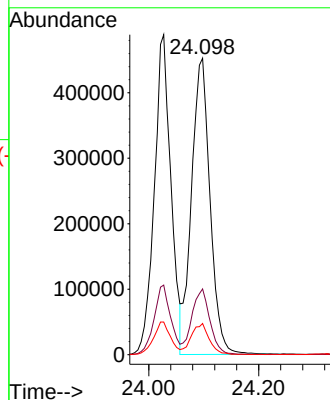
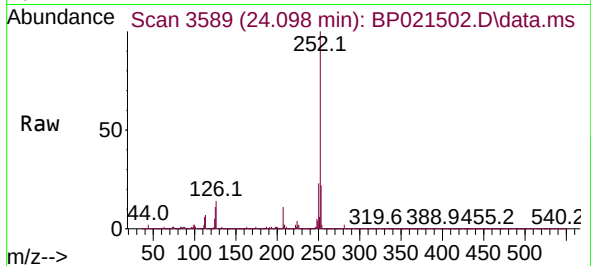
#89
Benzo(k)fluoranthene
Concen: 10.163 ng
RT: 24.098 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:252 Resp: 105842
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.5 7.8 11.8

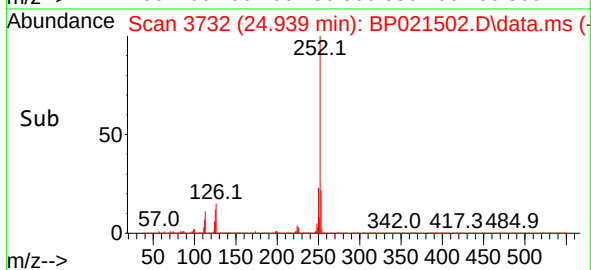
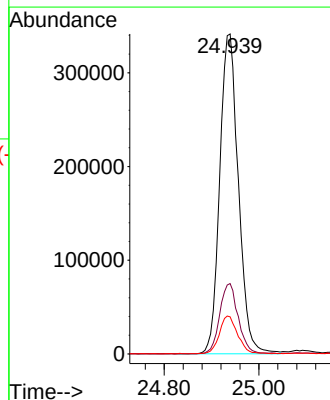
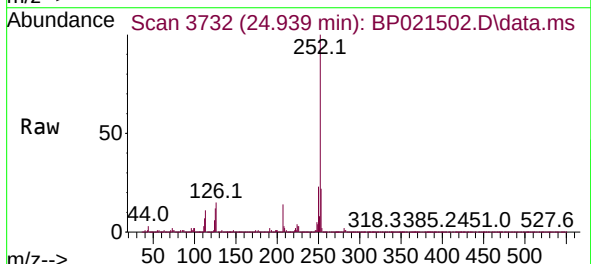
Manual Integrations
APPROVED

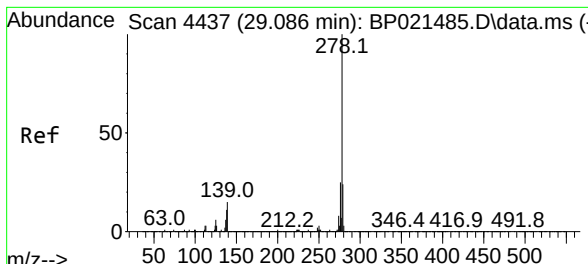
Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024



#90
Benzo(a)pyrene
Concen: 10.071 ng
RT: 24.939 min Scan# 3732
Delta R.T. -0.012 min
Lab File: BP021502.D
Acq: 14 Aug 2024 16:30

Tgt Ion:252 Resp: 933021
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 11.6 8.7 13.1



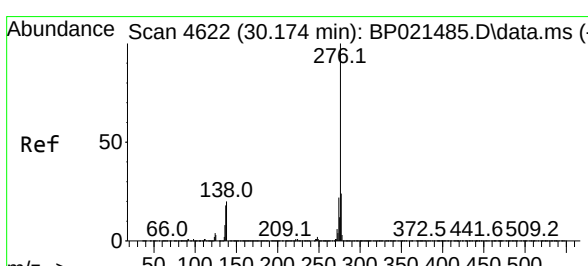
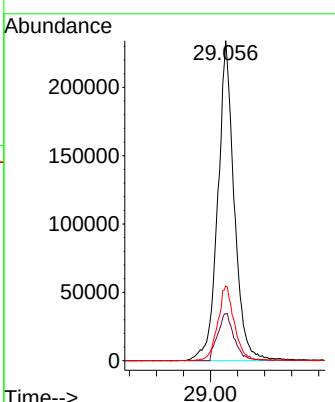
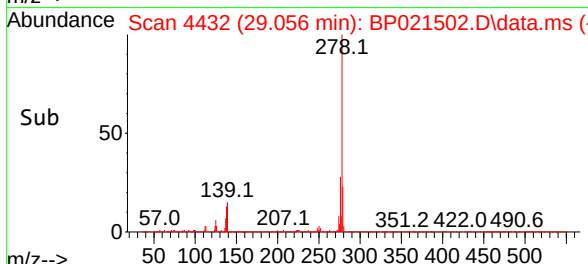
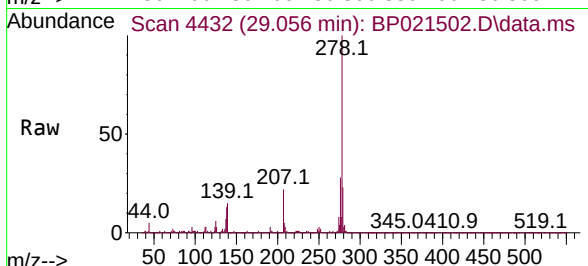


#91
 Dibenzo(a,h)anthracene
 Concen: 9.855 ng
 RT: 29.056 min Scan# 4432
 Delta R.T. -0.029 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT3-2024

Tgt Ion:	278	Resp:	986640
Ion Ratio	Lower	Upper	
278	100		
139	14.6	12.2	18.4
279	23.3	19.1	28.7

Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 08/14/2024
 Supervised By :mohammad ahmed 08/16/2024



#92
 Benzo(g,h,i)perylene
 Concen: 9.293 ng
 RT: 30.168 min Scan# 4621
 Delta R.T. -0.006 min
 Lab File: BP021502.D
 Acq: 14 Aug 2024 16:30

Tgt Ion:	276	Resp:	932496
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.0	28.6
138	22.7	16.0	24.0

