

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
 Data File : BP021499.D
 Acq On : 14 Aug 2024 14:13
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5ng
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 15 03:00:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 15 03:00:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
 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	349904	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1493915	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	1018509	20.000	ng	-0.01
64) Phenanthrene-d10	17.251	188	2238816	20.000	ng	0.00
76) Chrysene-d12	21.698	240	2198600	20.000	ng	0.00
86) Perylene-d12	25.115	264	2373794	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2786967	118.268	ng	0.00
7) Phenol-d6	6.963	99	3996354	116.256	ng	0.00
23) Nitrobenzene-d5	8.952	82	2946676	101.808	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1397704	123.302	ng	-0.02
45) 2-Fluorobiphenyl	13.057	172	5999172	89.893	ng	0.00
79) Terphenyl-d14	19.980	244	9792562	86.529	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.323	88	61308	5.487	ng	99
3) Pyridine	3.711	79	144698	4.639	ng	96
4) n-Nitrosodimethylamine	3.623	42	49381	5.267	ng	# 97
6) Aniline	7.128	93	210248	6.118	ng	99
8) 2-Chlorophenol	7.369	128	115800	5.318	ng	94
9) Benzaldehyde	6.946	77	147394	6.697	ng	98
10) Phenol	6.987	94	187745	5.274	ng	94
11) bis(2-Chloroethyl)ether	7.228	93	160176	5.318	ng	100
12) 1,3-Dichlorobenzene	7.699	146	129911	5.022	ng	98
13) 1,4-Dichlorobenzene	7.840	146	133484	5.110	ng	100
14) 1,2-Dichlorobenzene	8.158	146	129275	5.136	ng	99
15) Benzyl Alcohol	8.034	79	132962	5.391	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.328	45	155490	5.606	ng	97
17) 2-Methylphenol	8.234	107	111202	4.941	ng	99
18) Hexachloroethane	8.887	117	53111	5.071	ng	94
19) n-Nitroso-di-n-propyla...	8.599	70	128847	5.426	ng	98
20) 3+4-Methylphenols	8.552	107	148855	4.906	ng	98
22) Acetophenone	8.616	105	243565	5.307	ng	# 98
24) Nitrobenzene	8.993	77	181917	5.787	ng	98
25) Isophorone	9.510	82	365137	5.340	ng	99
26) 2-Nitrophenol	9.705	139	29190	6.464	ng	99
27) 2,4-Dimethylphenol	9.757	122	82951	4.916	ng	99
28) bis(2-Chloroethoxy)met...	9.999	93	222863	5.340	ng	99
29) 2,4-Dichlorophenol	10.228	162	96215	4.826	ng	98
30) 1,2,4-Trichlorobenzene	10.452	180	129206	5.055	ng	97
31) Naphthalene	10.640	128	399408	5.118	ng	99
32) Benzoic acid	9.799	122	22208	6.072	ng	99
33) 4-Chloroaniline	10.734	127	159890	5.454	ng	98
34) Hexachlorobutadiene	10.940	225	78221	4.860	ng	99
35) Caprolactam	11.469	113	40523	4.883	ng	96
36) 4-Chloro-3-methylphenol	11.851	107	135312	4.892	ng	98
37) 2-Methylnaphthalene	12.251	142	277123	5.203	ng	99
38) 1-Methylnaphthalene	12.469	142	262059	4.989	ng	100
40) 1,2,4,5-Tetrachloroben...	12.622	216	157301	5.271	ng	99
41) Hexachlorocyclopentadiene	12.616	237	44891	4.746	ng	99
43) 2,4,6-Trichlorophenol	12.857	196	75297	4.542	ng	98

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Quant Time: Aug 15 03:00:22 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 15 03:00:03 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

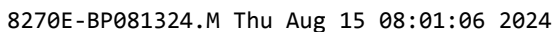
Reviewed By :Jagrut Upadhyay 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

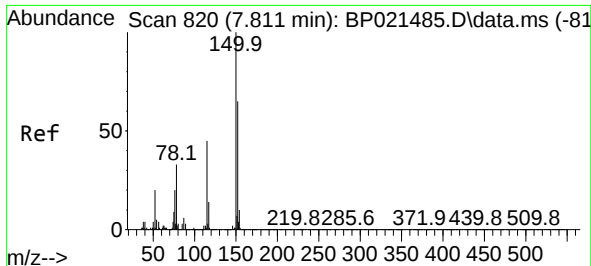
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	88933	4.829	ng	99
46) 1,1'-Biphenyl	13.269	154	389718	5.408	ng	99
47) 2-Chloronaphthalene	13.310	162	282725	5.040	ng	99
48) 2-Nitroaniline	13.493	65	59322	4.548	ng	98
49) Acenaphthylene	14.157	152	457610	5.549	ng	99
50) Dimethylphthalate	13.893	163	362620	5.316	ng	99
51) 2,6-Dinitrotoluene	14.004	165	50597	4.280	ng	89
52) Acenaphthene	14.504	154	277853	5.135	ng	99
53) 3-Nitroaniline	14.334	138	52824	4.545	ng	# 85
54) 2,4-Dinitrophenol	14.534	184	12858	7.253	ng	# 66
55) Dibenzofuran	14.851	168	450960	5.417	ng	99
56) 4-Nitrophenol	14.628	139	38472	8.264	ng	# 84
57) 2,4-Dinitrotoluene	14.798	165	56275	3.885	ng	# 94
58) Fluorene	15.510	166	364114	5.324	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	79133m	5.062	ng	
60) Diethylphthalate	15.281	149	370913	5.300	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	194187	5.493	ng	98
62) 4-Nitroaniline	15.504	138	55473	4.514	ng	# 73
63) Azobenzene	15.810	77	484737	5.635	ng	98
65) 4,6-Dinitro-2-methylph...	15.575	198	19297	8.211	ng	98
66) n-Nitrosodiphenylamine	15.728	169	314285	5.238	ng	99
67) 4-Bromophenyl-phenylether	16.428	248	111184	4.692	ng	99
68) Hexachlorobenzene	16.539	284	143816	5.136	ng	98
69) Atrazine	16.698	200	110483	5.364	ng	100
70) Pentachlorophenol	16.892	266	57483	3.761	ng	96
71) Phenanthrene	17.292	178	590686	5.486	ng	99
72) Anthracene	17.386	178	550547	5.214	ng	99
73) Carbazole	17.657	167	522472	5.134	ng	99
74) Di-n-butylphthalate	18.269	149	604200	4.834	ng	99
75) Fluoranthene	19.380	202	666911	5.048	ng	100
77) Benzidine	19.569	184	242890	8.229	ng	98
78) Pyrene	19.757	202	701681	4.883	ng	99
80) Butylbenzylphthalate	20.716	149	189057	3.933	ng	95
81) Benzo(a)anthracene	21.680	228	727044	5.268	ng	99
82) 3,3'-Dichlorobenzidine	21.598	252	221281	5.000	ng	99
83) Chrysene	21.751	228	678779	5.209	ng	99
84) Bis(2-ethylhexyl)phtha...	21.651	149	375490	4.603	ng	98
85) Di-n-octyl phthalate	22.963	149	462473	7.738	ng	97
87) Indeno(1,2,3-cd)pyrene	28.962	276	741756m	4.821	ng	
88) Benzo(b)fluoranthene	24.027	252	654850	4.803	ng	98
89) Benzo(k)fluoranthene	24.098	252	668016	5.023	ng	99
90) Benzo(a)pyrene	24.951	252	586732	4.959	ng	99
91) Dibenzo(a,h)anthracene	29.068	278	606424	4.743	ng	100
92) Benzo(g,h,i)perylene	30.151	276	602527	4.702	ng	98

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

Manual Integrations

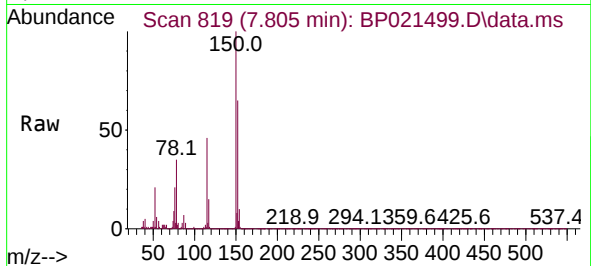
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

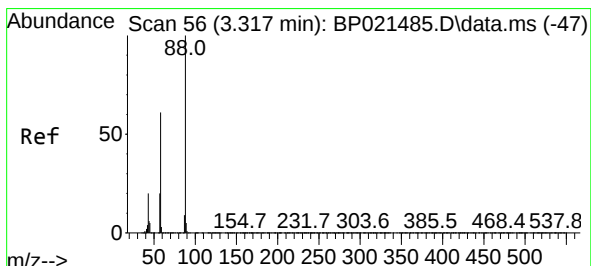
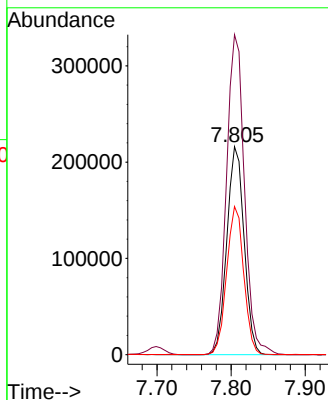
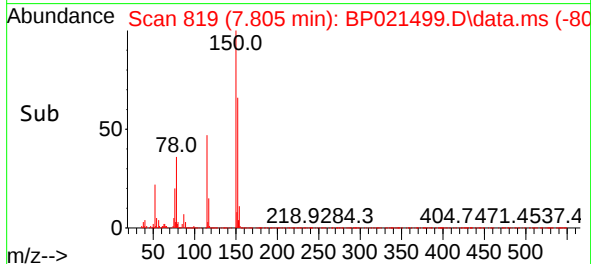
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:152 Resp: 349904
Ion Ratio Lower Upper
152 100
150 153.8 122.4 183.6
115 71.2 54.7 82.1

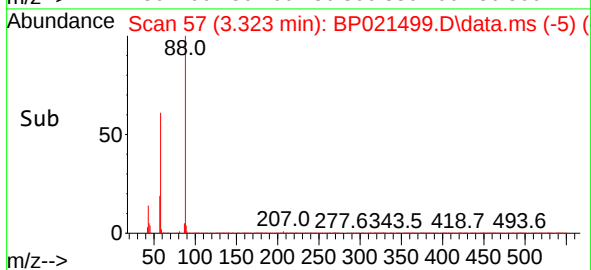
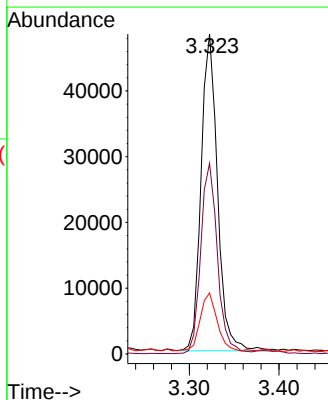
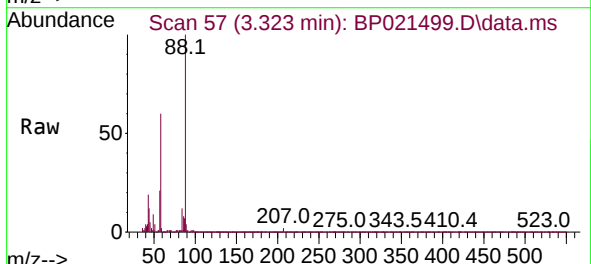
Manual Integrations
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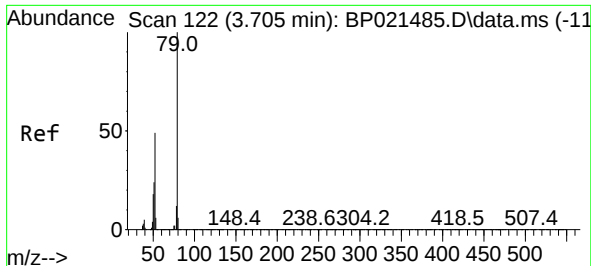
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#2
1,4-Dioxane
Concen: 5.487 ng
RT: 3.323 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

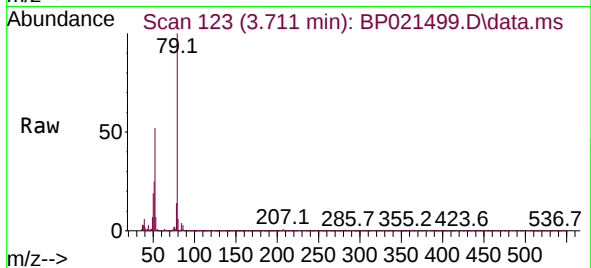
Tgt Ion: 88 Resp: 61308
Ion Ratio Lower Upper
88 100
58 61.3 48.7 73.1
43 18.7 15.4 23.2





#3
Pyridine
Concen: 4.639 ng
RT: 3.711 min Scan# 107
Delta R.T. 0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

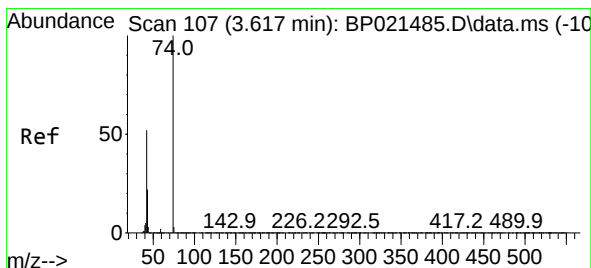
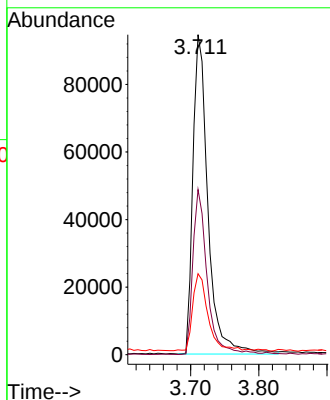
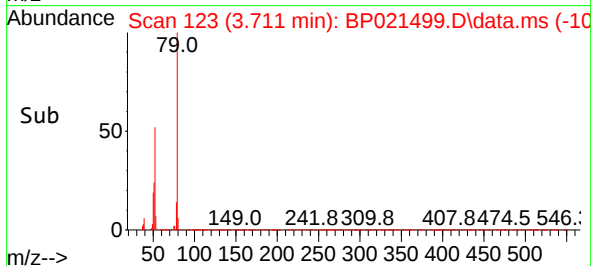
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 79 Resp: 144698
Ion Ratio Lower Upper
79 100
52 51.6 39.0 58.6
51 25.3 19.2 28.8

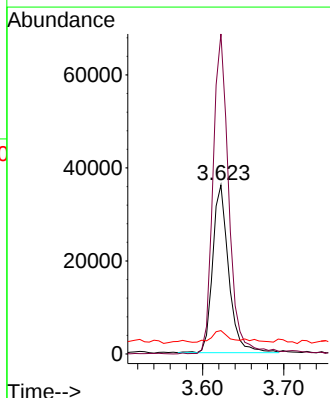
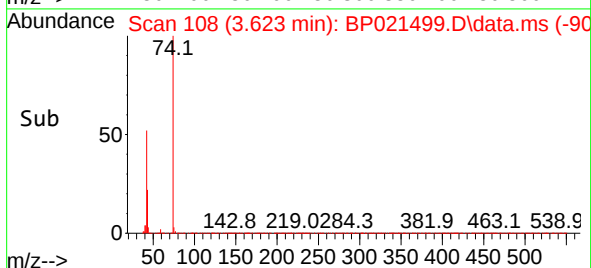
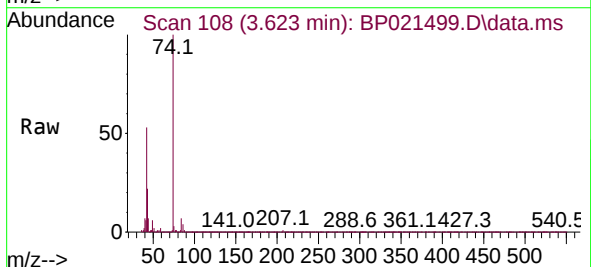
Manual Integrations
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Supervised By :mohammad ahmed 08/16/2024



#4
n-Nitrosodimethylamine
Concen: 5.267 ng
RT: 3.623 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

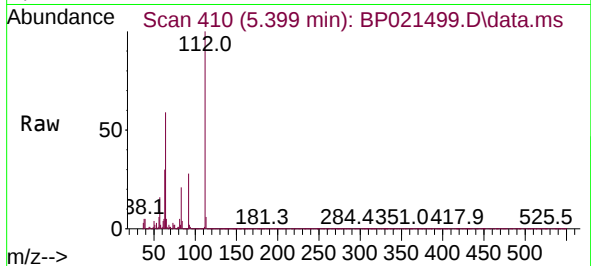
Tgt Ion: 42 Resp: 49381
Ion Ratio Lower Upper
42 100
74 189.5 154.3 231.5
44 13.8 6.2 9.4





#5
2-Fluorophenol
Concen: 118.268 ng
RT: 5.399 min Scan# 411
Delta R.T. 0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

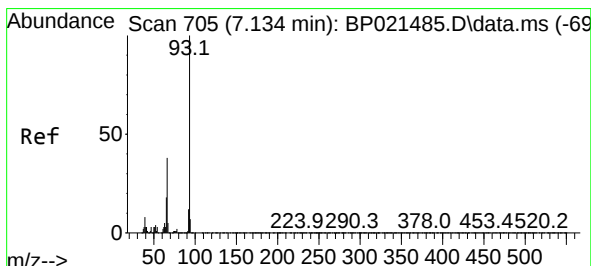
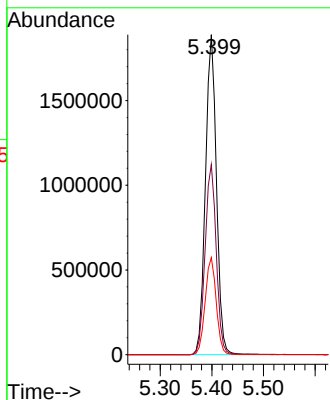
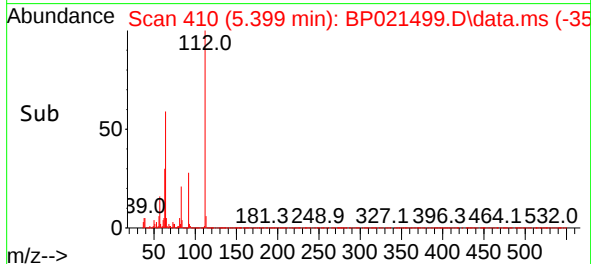
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:112 Resp: 278696
Ion Ratio Lower Upper
112 100
64 59.4 49.0 73.6
63 30.3 24.6 36.8

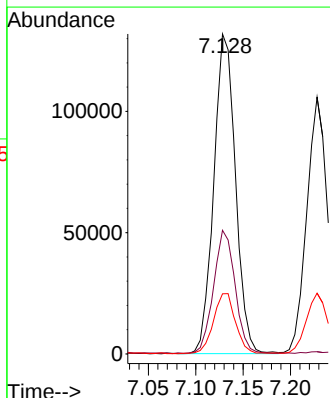
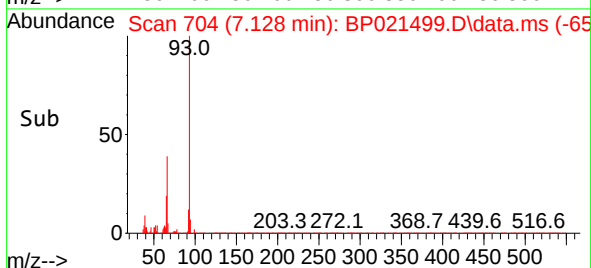
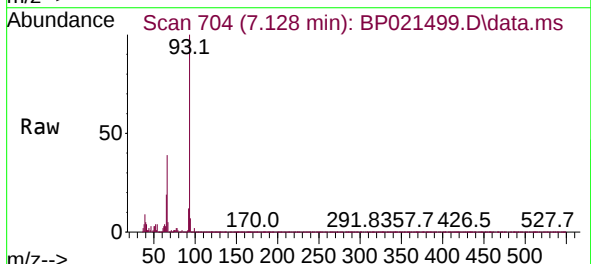
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#6
Aniline
Concen: 6.118 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

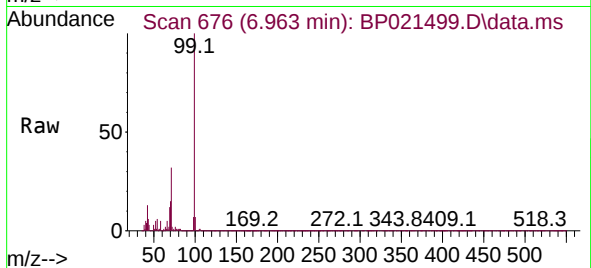
Tgt Ion: 93 Resp: 210248
Ion Ratio Lower Upper
93 100
66 38.7 30.2 45.2
65 18.8 14.7 22.1





#7
Phenol-d6
Concen: 116.256 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

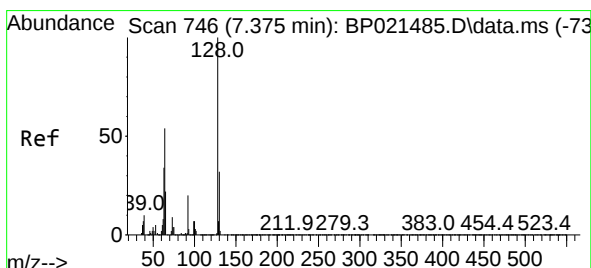
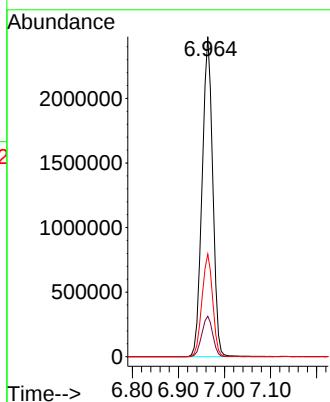
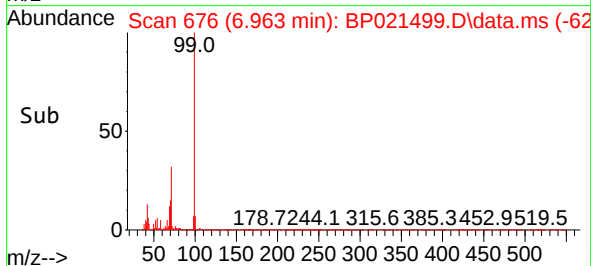
Instrument :
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Tgt Ion: 99 Resp: 3996354
Ion Ratio Lower Upper
99 100
42 12.7 10.2 15.4
71 32.1 25.8 38.8

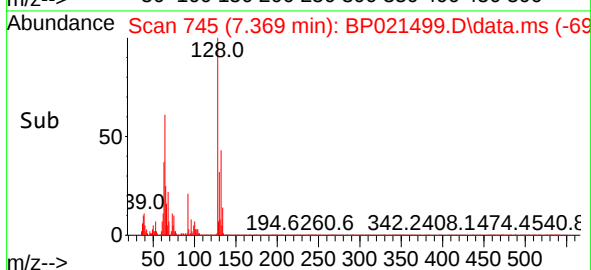
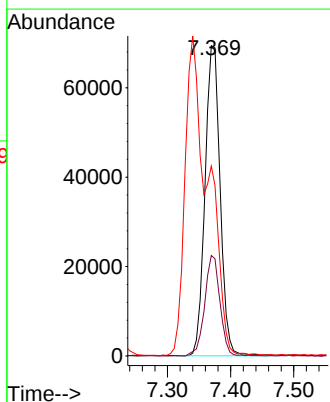
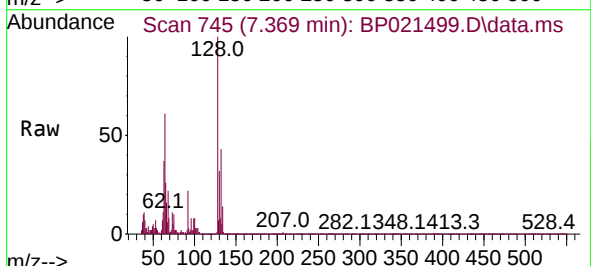
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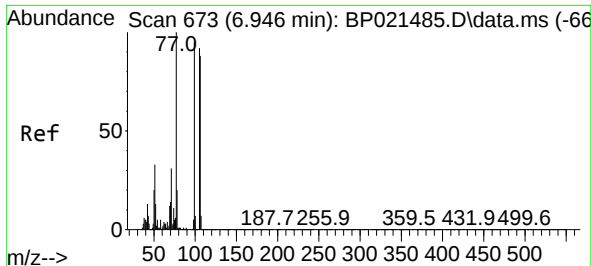
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#8
2-Chlorophenol
Concen: 5.318 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:128 Resp: 115800
Ion Ratio Lower Upper
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130 32.4 11.6 51.6
64 61.2 35.3 75.3





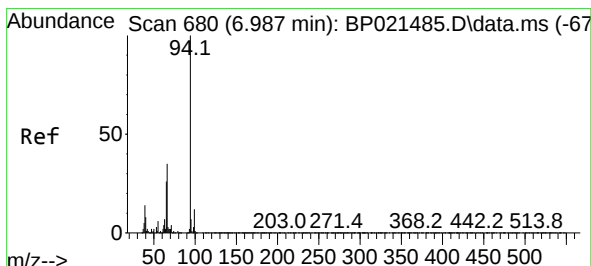
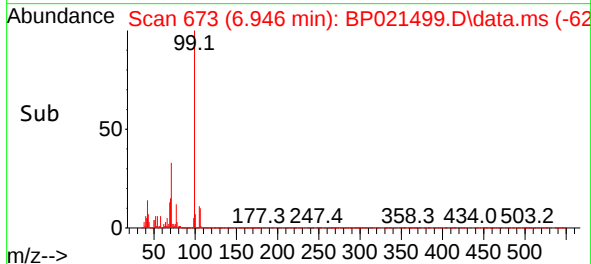
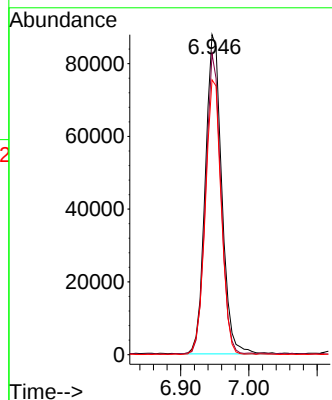
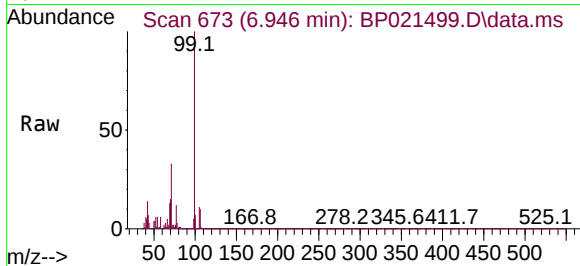
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Benzaldehyde
Concen: 6.697 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Instrument :
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ClientSampleId :
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Tgt Ion: 77 Resp: 147394
Ion Ratio Lower Upper
77 100
105 94.0 72.1 112.1
106 85.9 67.9 107.9

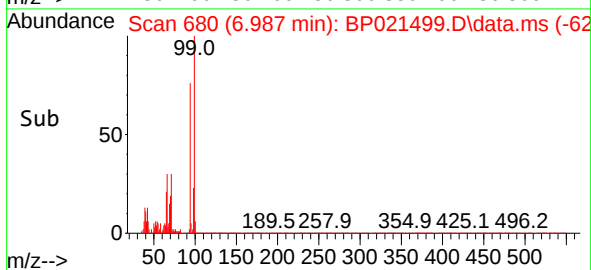
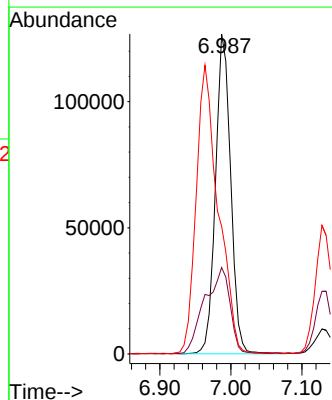
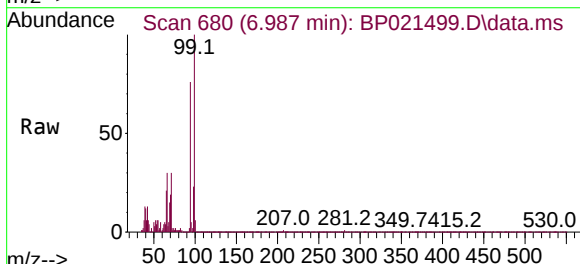
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APPROVED

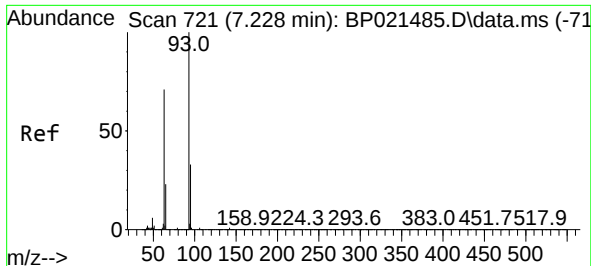
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#10
Phenol
Concen: 5.274 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

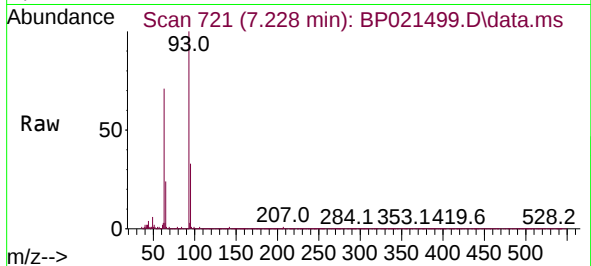
Tgt Ion: 94 Resp: 187745
Ion Ratio Lower Upper
94 100
65 27.0 6.5 46.5
66 39.9 14.7 54.7





#11
bis(2-Chloroethyl)ether
Concen: 5.318 ng
RT: 7.228 min Scan# 721
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

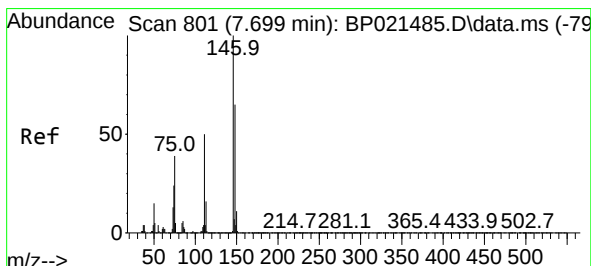
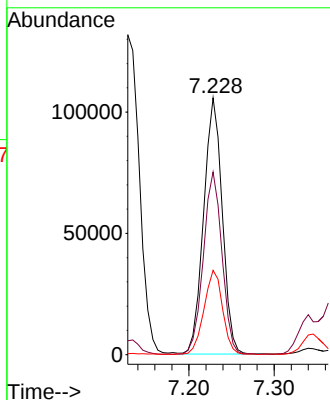
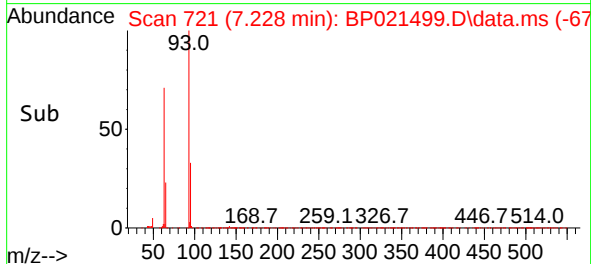
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



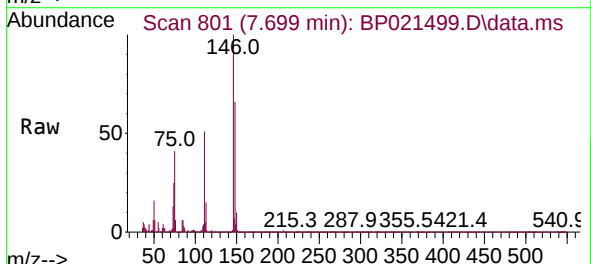
Tgt Ion: 93 Resp: 160170
Ion Ratio Lower Upper
93 100
63 71.1 51.0 91.0
95 32.8 12.9 52.9

Manual Integrations
APPROVED

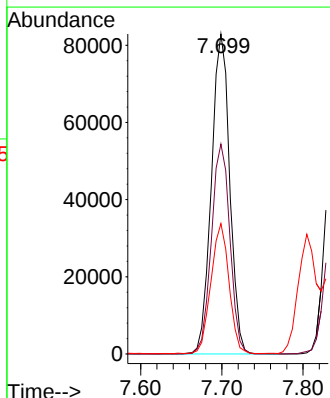
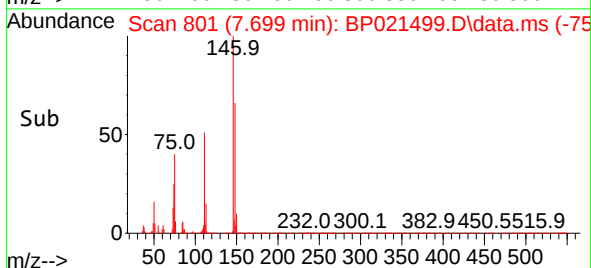
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

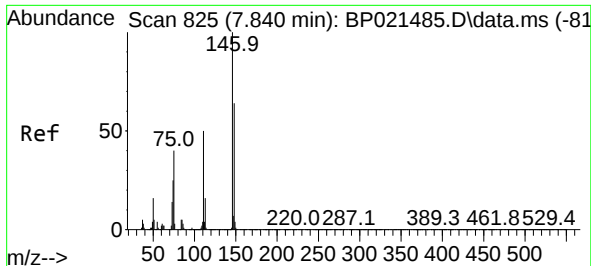


#12
1,3-Dichlorobenzene
Concen: 5.022 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13



Tgt Ion:146 Resp: 129911
Ion Ratio Lower Upper
146 100
148 65.6 51.8 77.6
75 40.8 31.3 46.9





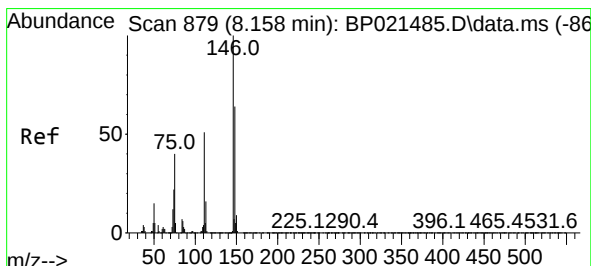
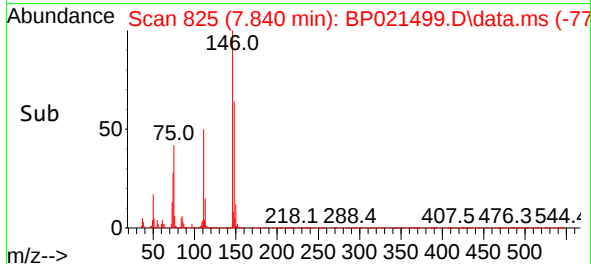
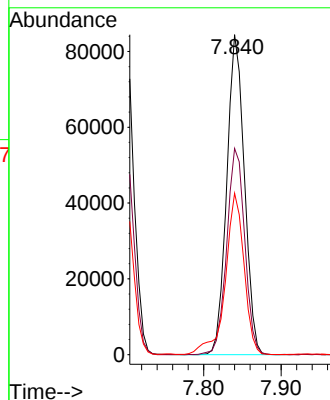
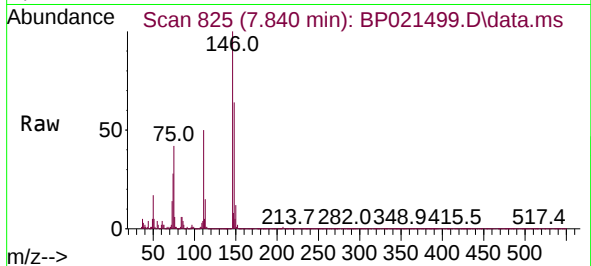
#13
1,4-Dichlorobenzene
Concen: 5.110 ng
RT: 7.840 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:146 Resp: 133484
Ion Ratio Lower Upper
146 100
148 64.5 51.5 77.3
111 50.5 40.3 60.5

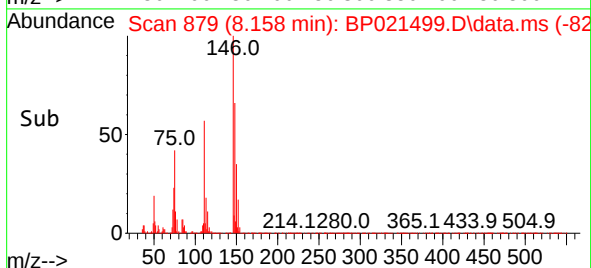
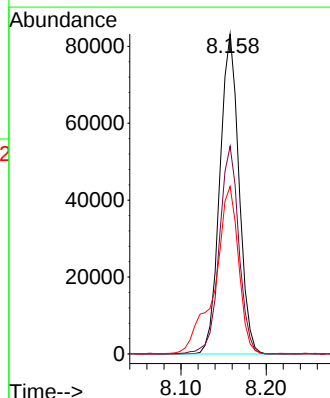
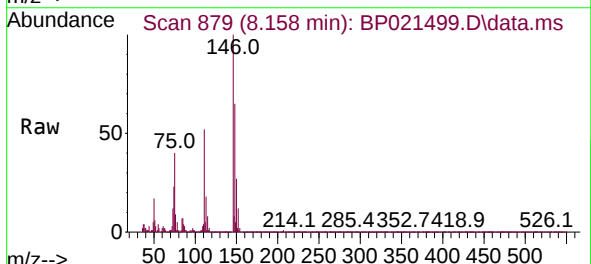
Manual Integrations
APPROVED

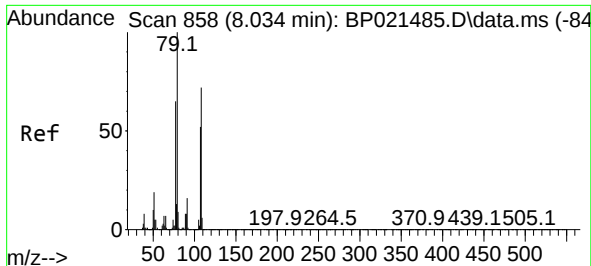
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#14
1,2-Dichlorobenzene
Concen: 5.136 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

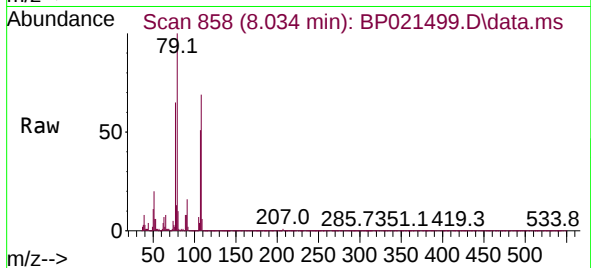
Tgt Ion:146 Resp: 129275
Ion Ratio Lower Upper
146 100
148 64.9 51.5 77.3
111 52.3 41.1 61.7





#15
Benzyl Alcohol
Concen: 5.391 ng
RT: 8.034 min Scan# 858
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

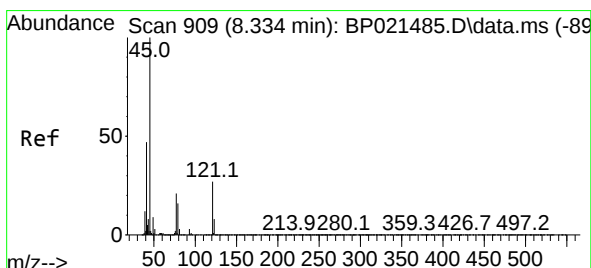
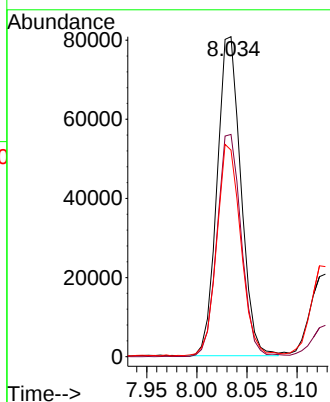
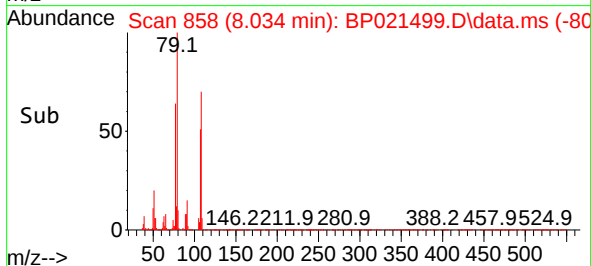
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



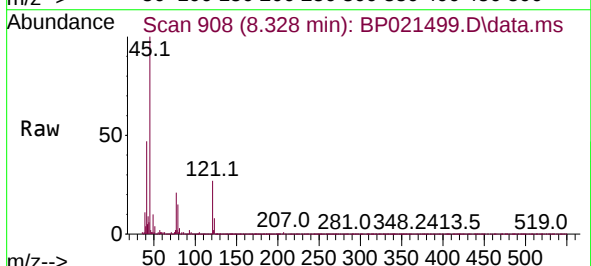
Tgt Ion: 79 Resp: 132962
Ion Ratio Lower Upper
79 100
108 69.5 57.9 86.9
77 64.5 51.8 77.8

Manual Integrations
APPROVED

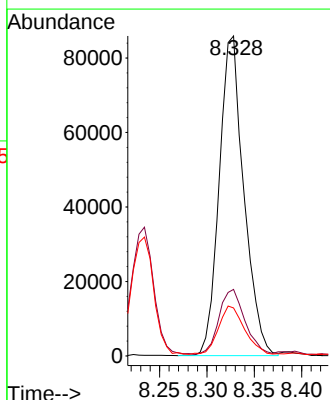
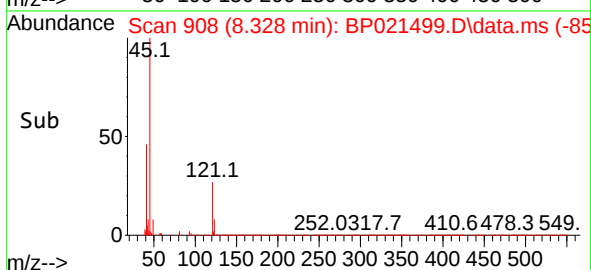
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

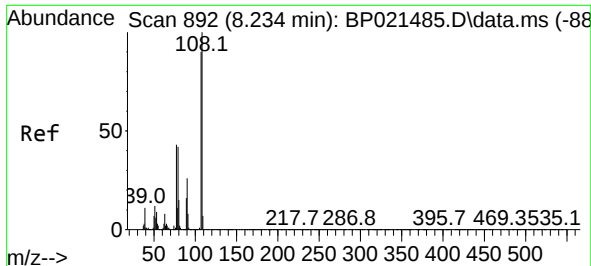


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.606 ng
RT: 8.328 min Scan# 908
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13



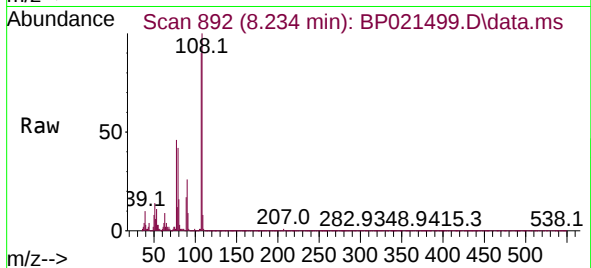
Tgt Ion: 45 Resp: 155490
Ion Ratio Lower Upper
45 100
77 20.8 1.9 41.9
79 15.0 0.0 36.6





#17
2-Methylphenol
Concen: 4.941 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

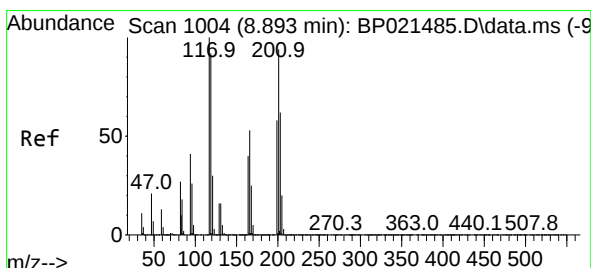
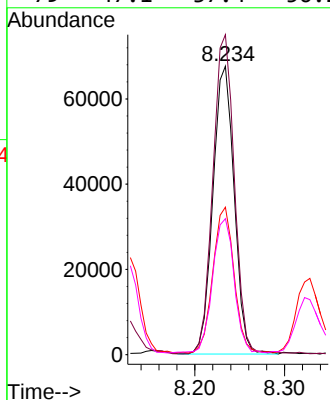
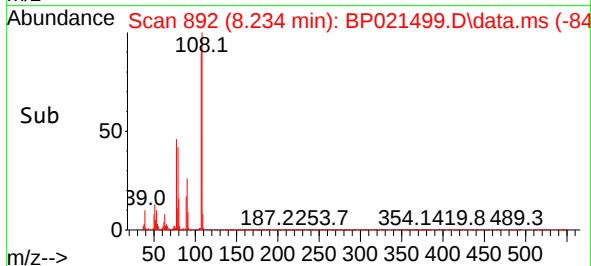
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024



Tgt Ion:	107	Resp:	11120
Ion Ratio	Lower	Upper	
107	100		
108	110.9	88.8	133.2
77	51.1	38.7	58.1
79	47.1	37.4	56.2

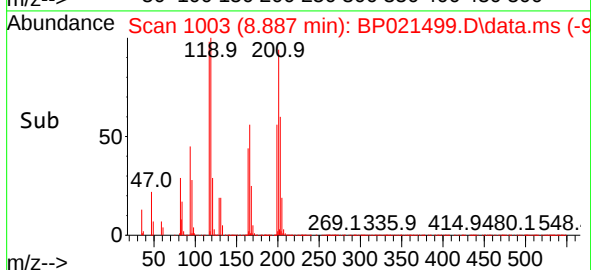
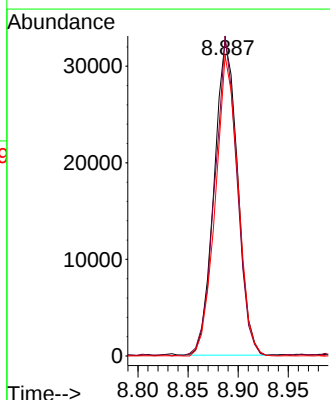
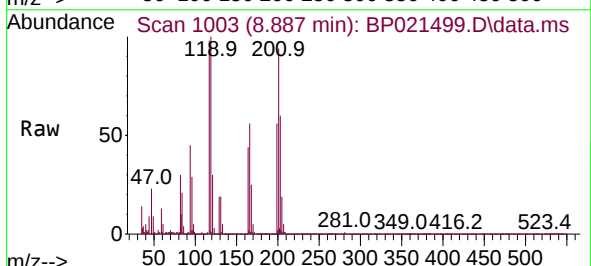
Manual Integrations
APPROVED

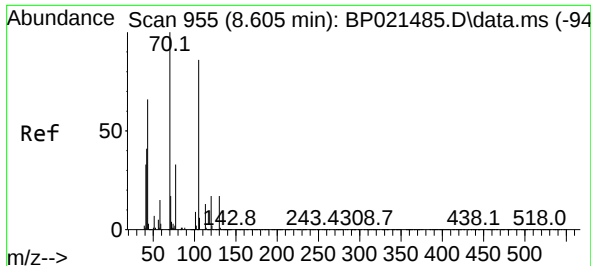
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#18
Hexachloroethane
Concen: 5.071 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

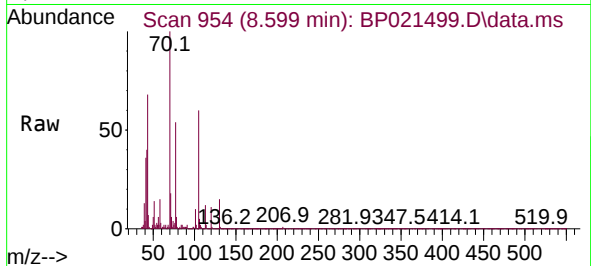
Tgt Ion:	117	Resp:	53111
Ion Ratio	Lower	Upper	
117	100		
119	101.6	73.9	110.9
201	95.4	74.9	112.3





#19
n-Nitroso-di-n-propylamine
Concen: 5.426 ng
RT: 8.599 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

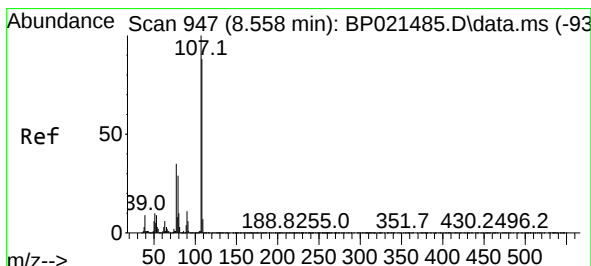
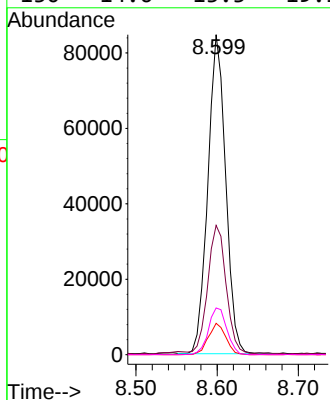
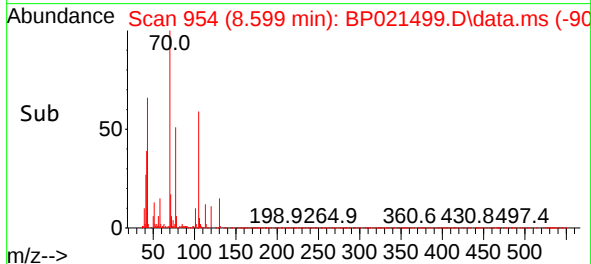
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



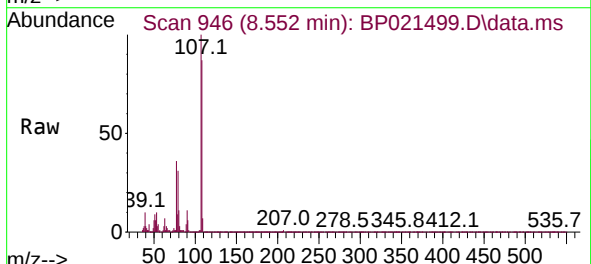
Tgt Ion: 70 Resp: 12884
Ion Ratio Lower Upper
70 100
42 40.4 33.1 49.7
101 9.8 7.4 11.2
130 14.6 13.3 19.9

Manual Integrations
APPROVED

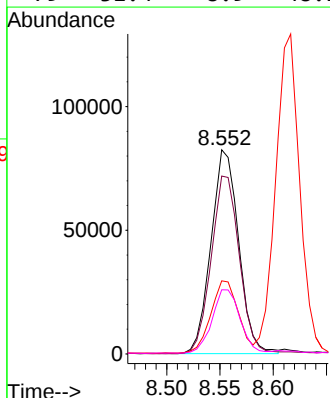
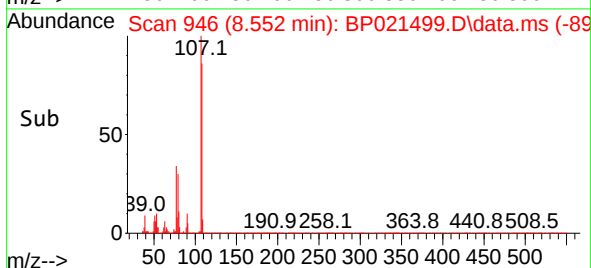
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

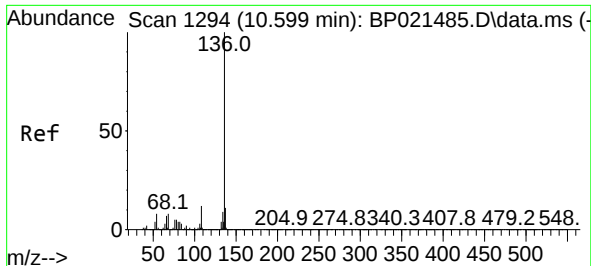


#20
3+4-Methylphenols
Concen: 4.906 ng
RT: 8.552 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13



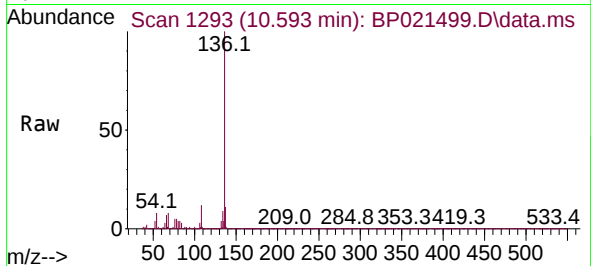
Tgt Ion:107 Resp: 148855
Ion Ratio Lower Upper
107 100
108 87.1 67.6 107.6
77 35.8 15.0 55.0
79 31.4 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

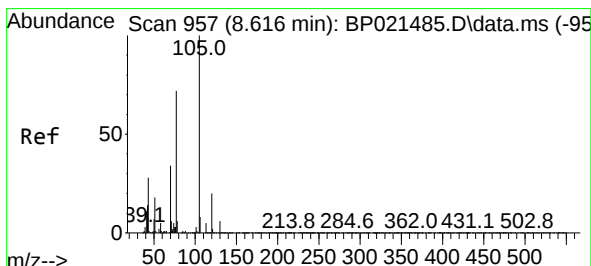
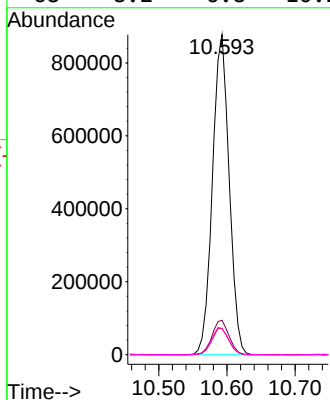
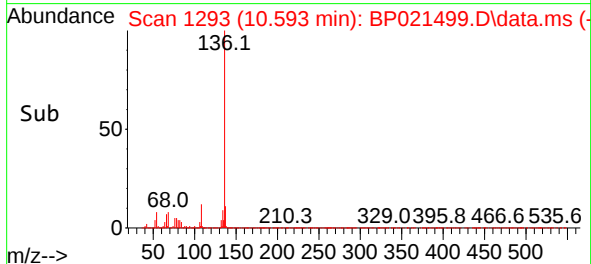
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024



Tgt Ion:136 Resp: 1493915
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 6.3 9.5
68 8.2 6.8 10.2

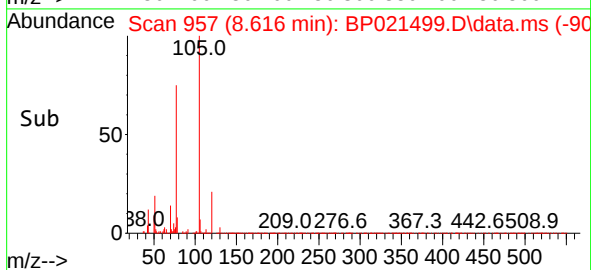
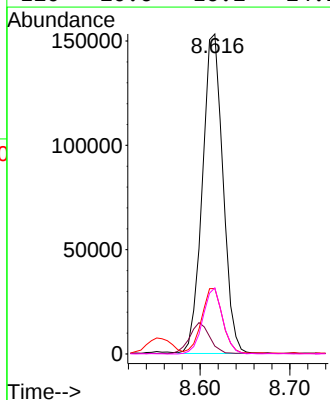
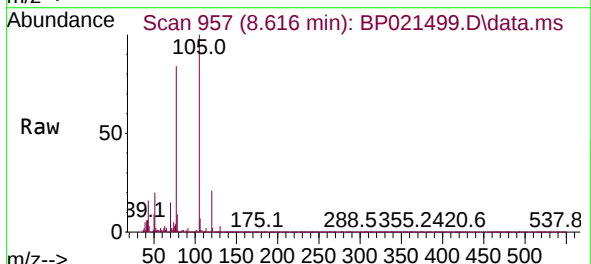
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#22
Acetophenone
Concen: 5.307 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

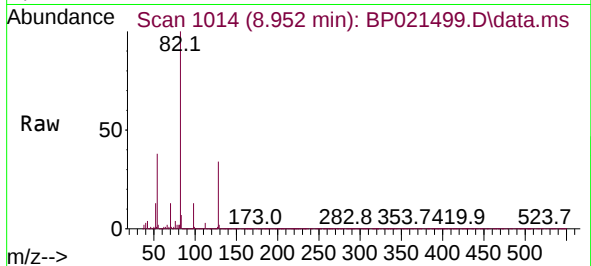
Tgt Ion:105 Resp: 243565
Ion Ratio Lower Upper
105 100
71 2.5 4.6 7.0#
51 20.4 16.3 24.5
120 20.6 16.2 24.2





#23
Nitrobenzene-d5
Concen: 101.808 ng
RT: 8.952 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

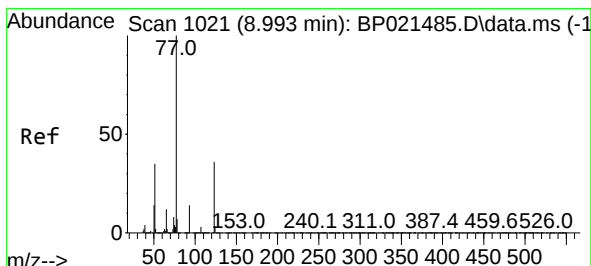
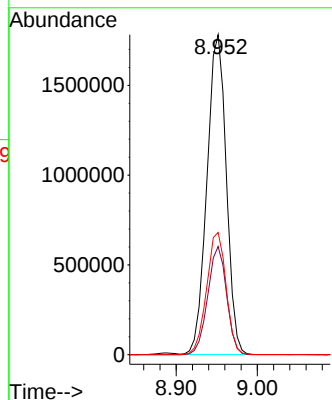
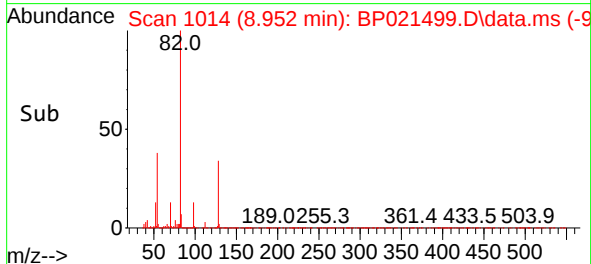
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 82 Resp: 2946670
Ion Ratio Lower Upper
82 100
128 33.8 26.5 39.7
54 38.2 30.3 45.5

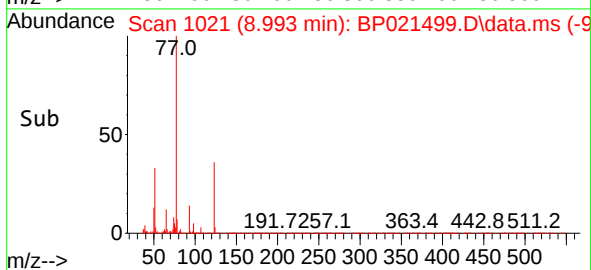
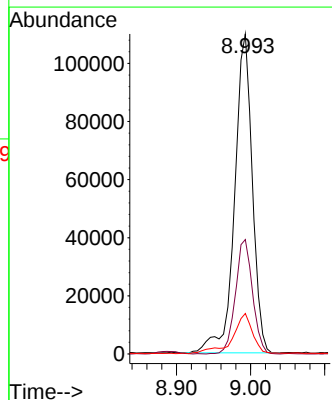
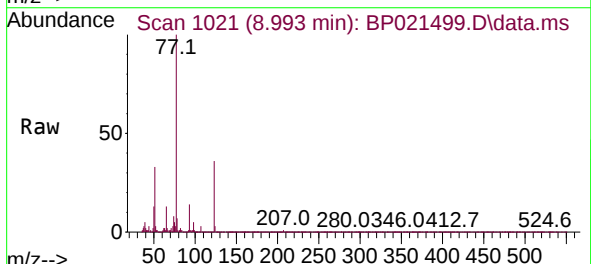
Manual Integrations
APPROVED

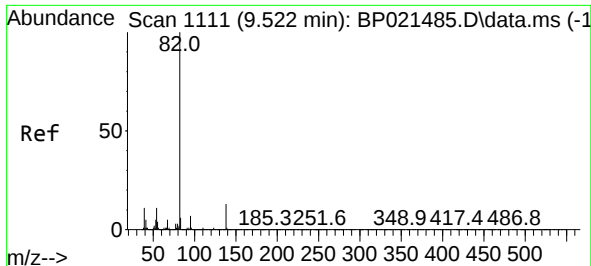
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#24
Nitrobenzene
Concen: 5.787 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion: 77 Resp: 181917
Ion Ratio Lower Upper
77 100
123 35.7 29.5 44.3
65 12.6 9.9 14.9





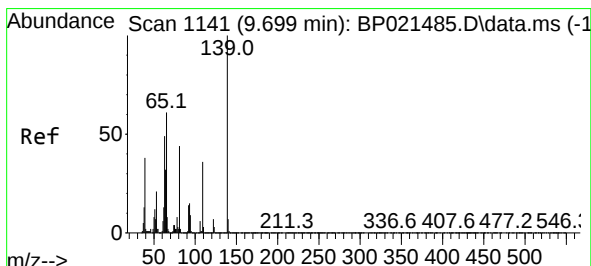
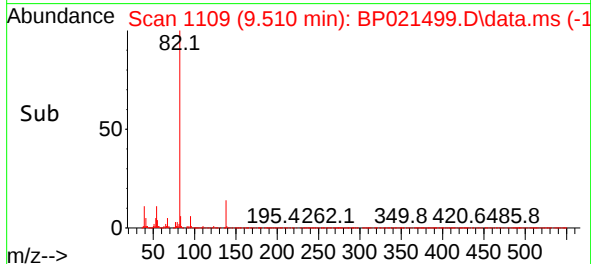
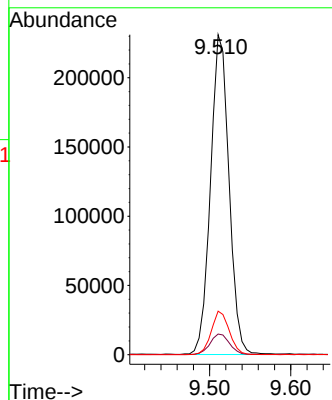
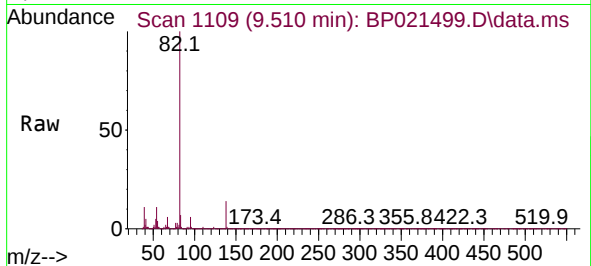
#25
Isophorone
Concen: 5.340 ng
RT: 9.510 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion: 82 Resp: 36513
Ion Ratio Lower Upper
82 100
95 6.4 5.4 8.2
138 13.6 10.6 16.0

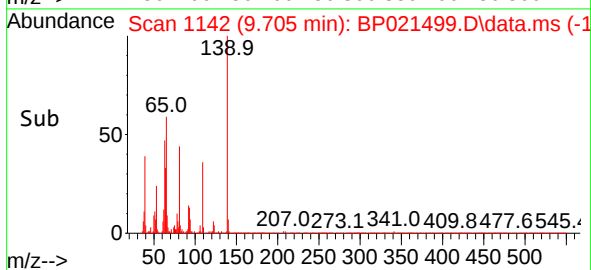
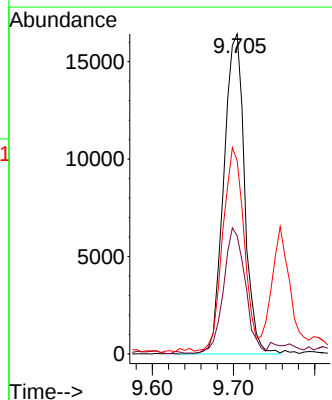
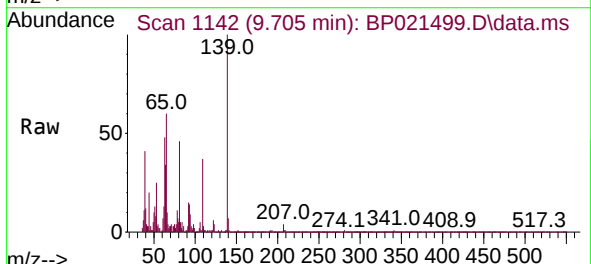
Manual Integrations
APPROVED

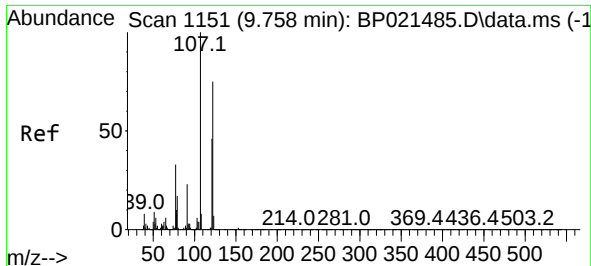
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#26
2-Nitrophenol
Concen: 6.464 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:139 Resp: 29190
Ion Ratio Lower Upper
139 100
109 36.9 28.9 43.3
65 60.3 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 4.916 ng

RT: 9.757 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

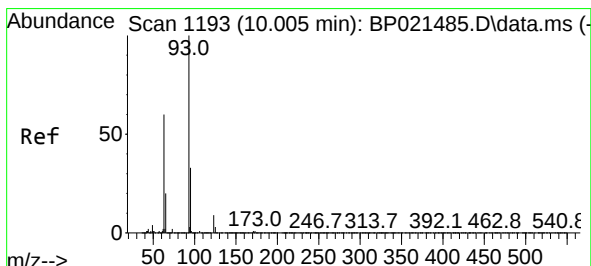
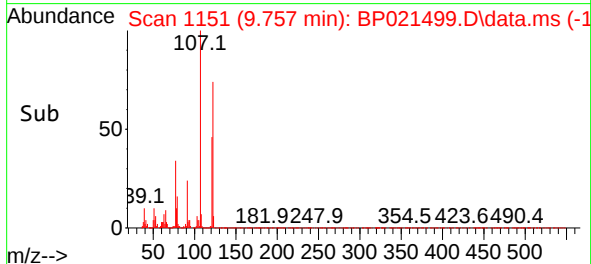
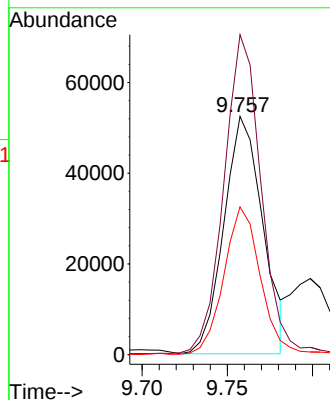
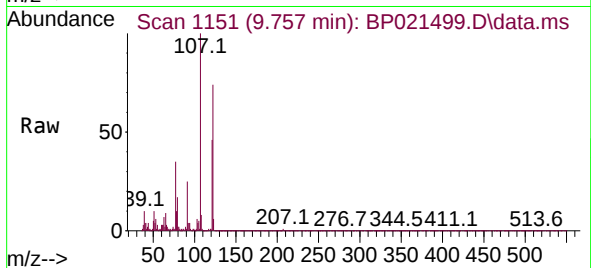
LOQ-SOIL-02-QT3-2024

Tgt Ion:	122	Resp:	8295
Ion	Ratio	Lower	Upper
122	100		
107	134.4	106.2	159.4
121	62.0	48.8	73.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#28

bis(2-Chloroethoxy)methane

Concen: 5.340 ng

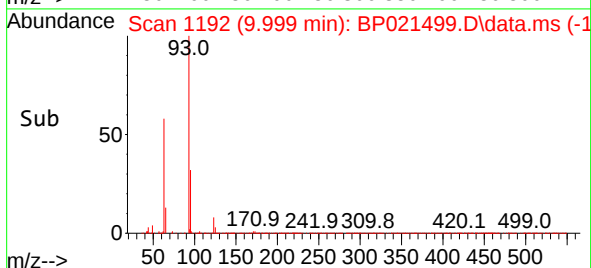
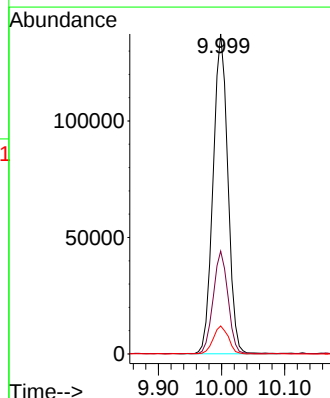
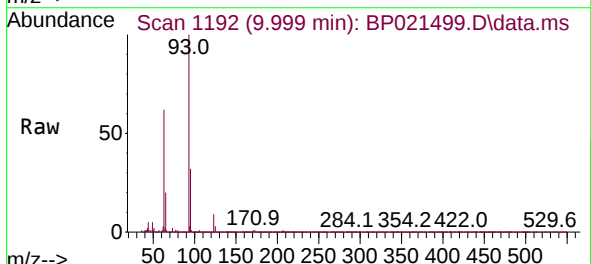
RT: 9.999 min Scan# 1192

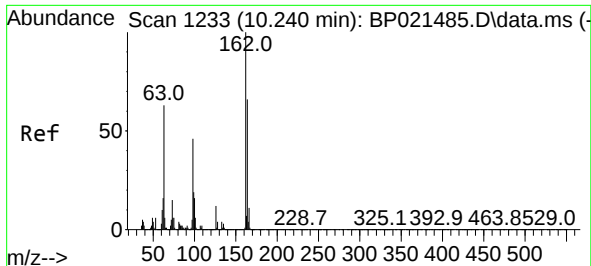
Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

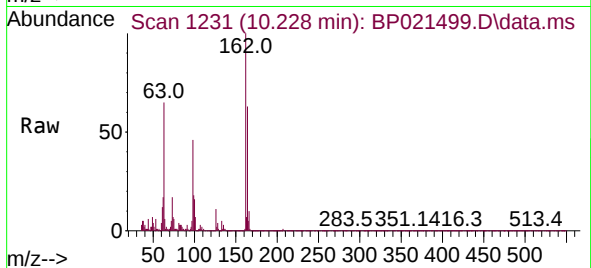
Tgt Ion:	93	Resp:	222863
Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	8.7	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 4.826 ng
RT: 10.228 min Scan# 1231
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

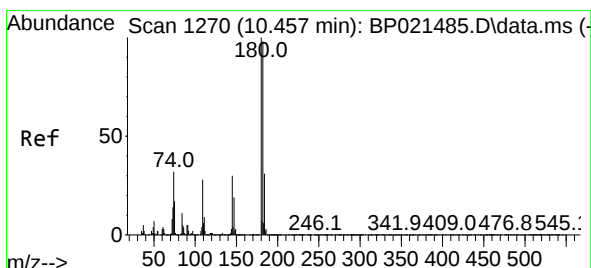
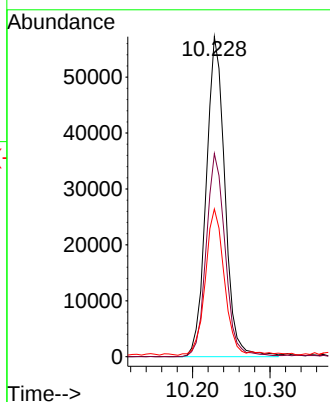
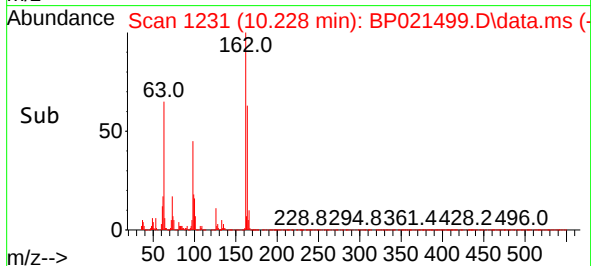
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



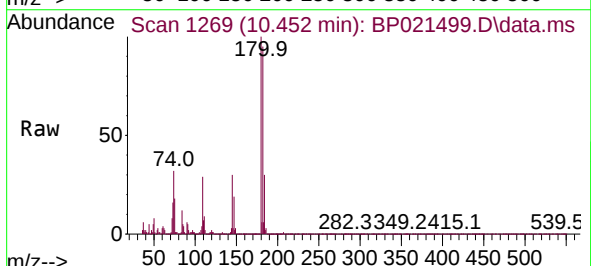
Tgt Ion:162 Resp: 96215
Ion Ratio Lower Upper
162 100
164 63.5 45.9 85.9
98 46.2 26.3 66.3

Manual Integrations
APPROVED

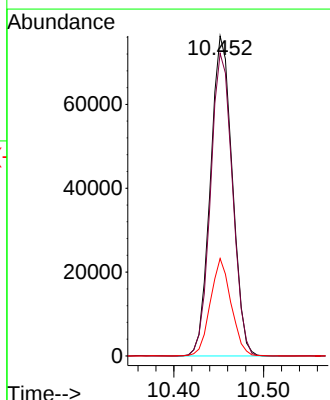
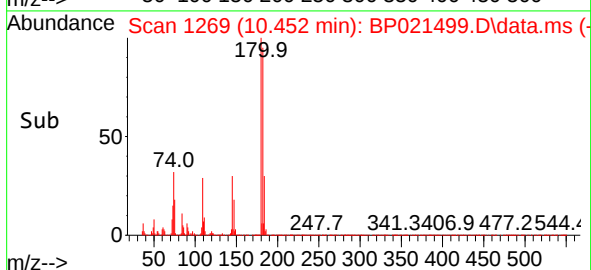
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

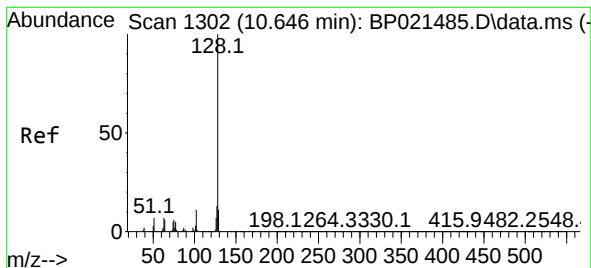


#30
1,2,4-Trichlorobenzene
Concen: 5.055 ng
RT: 10.452 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13



Tgt Ion:180 Resp: 129206
Ion Ratio Lower Upper
180 100
182 94.5 78.3 117.5
145 30.4 24.0 36.0





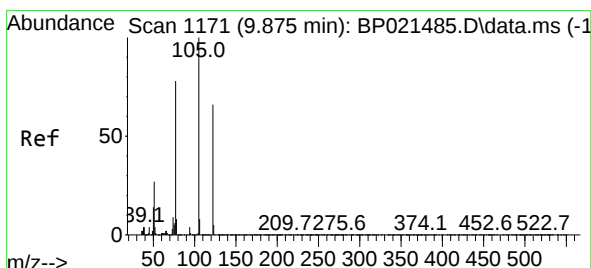
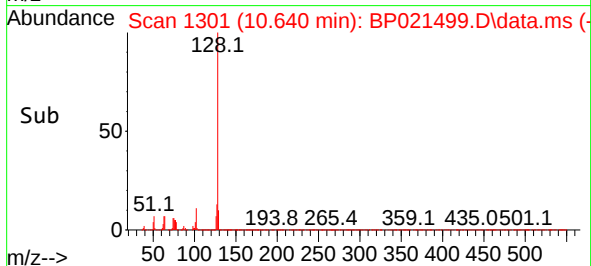
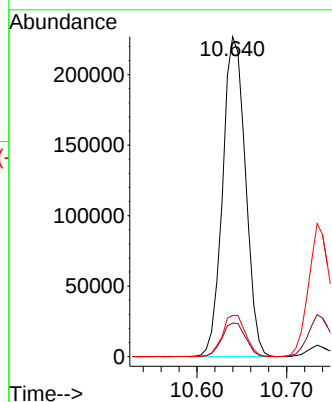
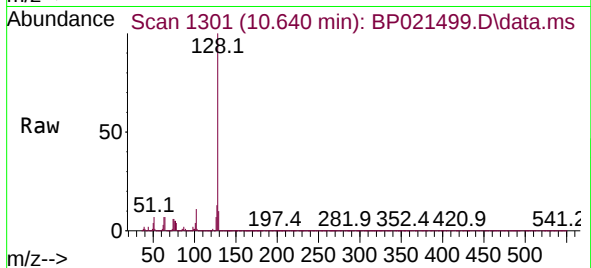
#31
Naphthalene
Concen: 5.118 ng
RT: 10.640 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:128 Resp: 399408
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 12.9 10.6 15.8

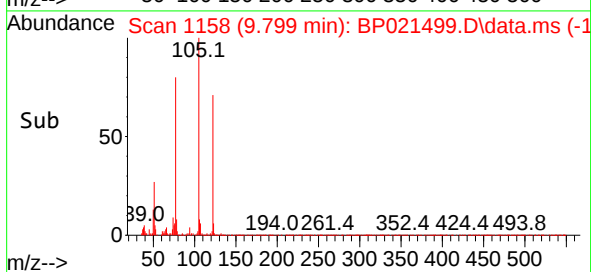
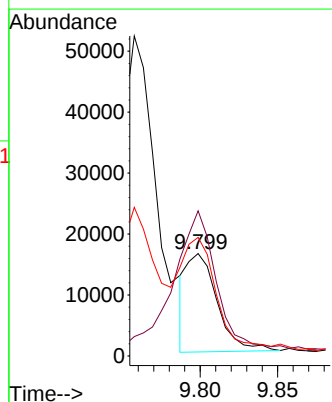
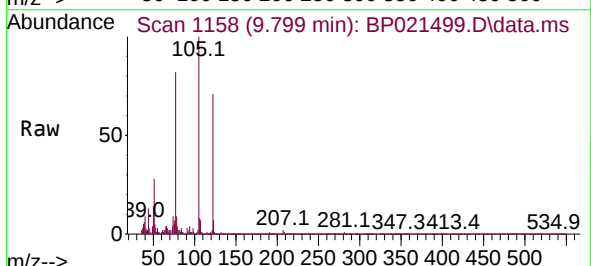
Manual Integrations
APPROVED

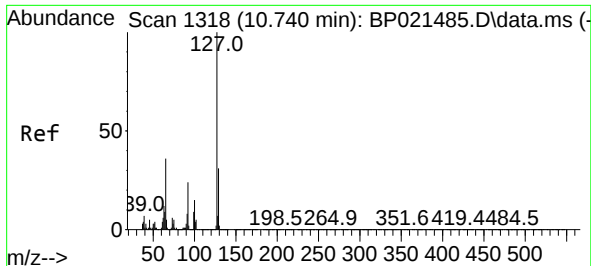
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#32
Benzoic acid
Concen: 6.072 ng
RT: 9.799 min Scan# 1158
Delta R.T. -0.076 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

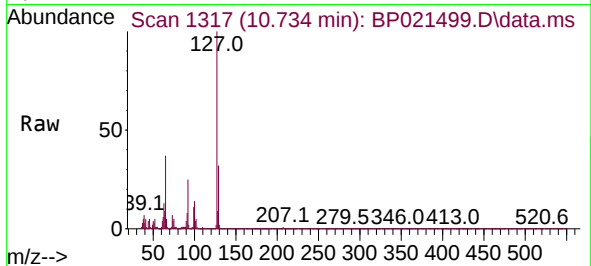
Tgt Ion:122 Resp: 22208
Ion Ratio Lower Upper
122 100
105 141.8 124.6 164.6
77 115.8 96.2 136.2





#33
4-Chloroaniline
Concen: 5.454 ng
RT: 10.734 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

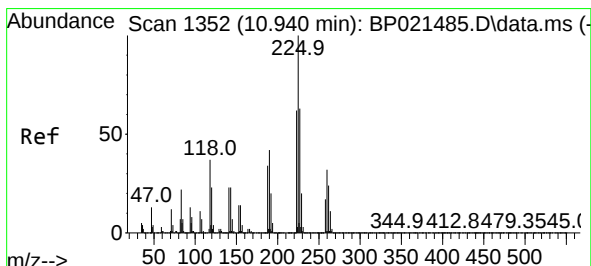
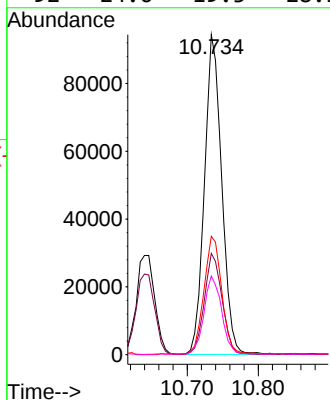
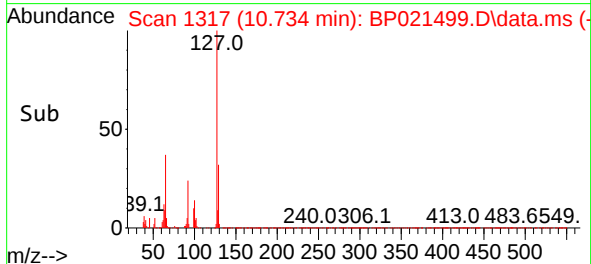
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.7	24.5	36.7
65	37.0	28.9	43.3
92	24.6	19.3	28.9

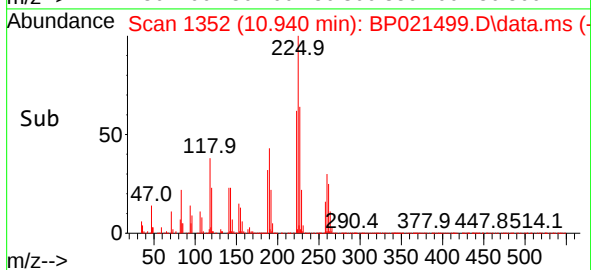
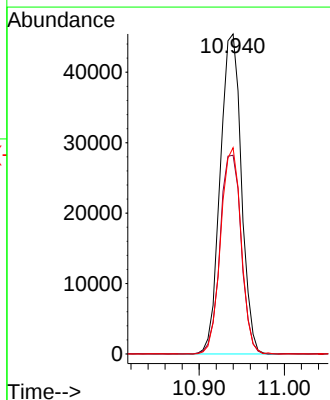
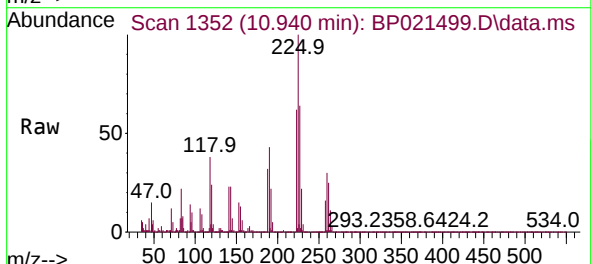
Manual Integrations
APPROVED

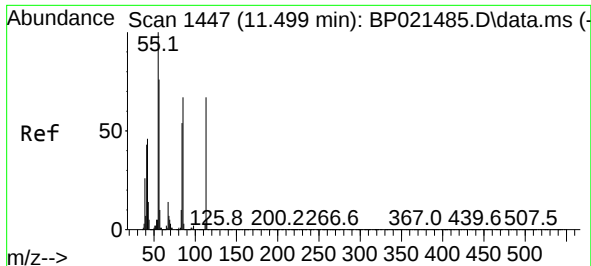
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#34
Hexachlorobutadiene
Concen: 4.860 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

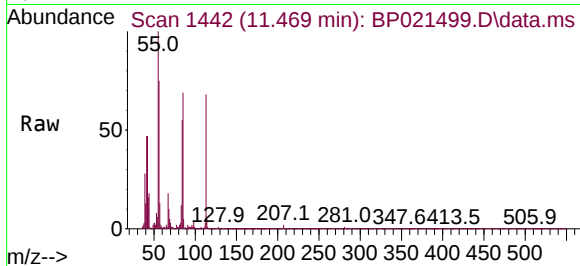
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.6	74.4
227	64.4	50.1	75.1





#35
Caprolactam
Concen: 4.883 ng
RT: 11.469 min Scan# 1447
Delta R.T. -0.029 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

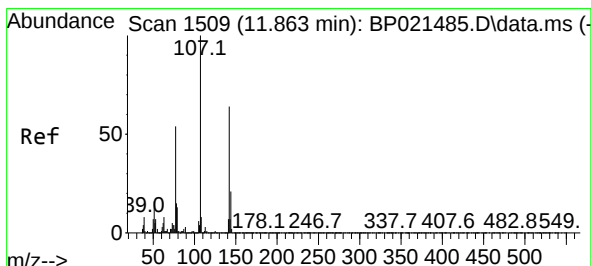
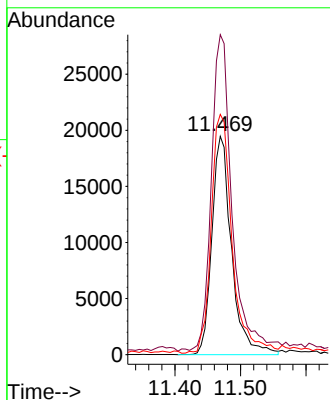
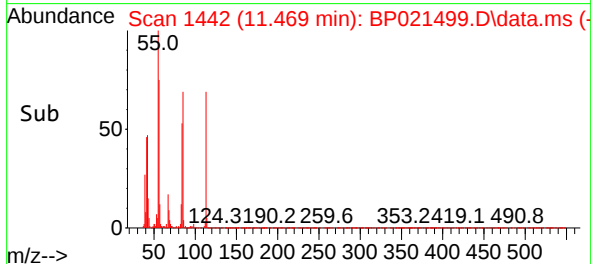
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:113 Resp: 4052
Ion Ratio Lower Upper
113 100
55 146.5 130.6 170.6
56 110.1 94.6 134.6

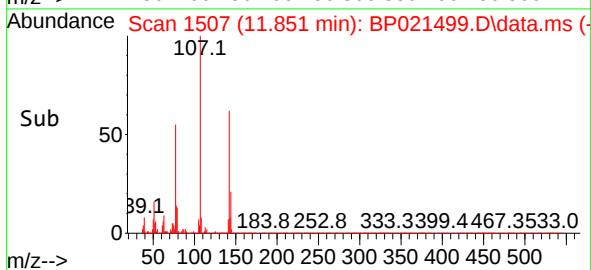
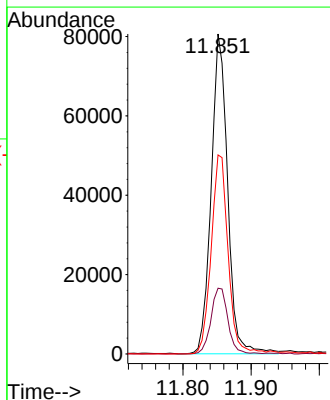
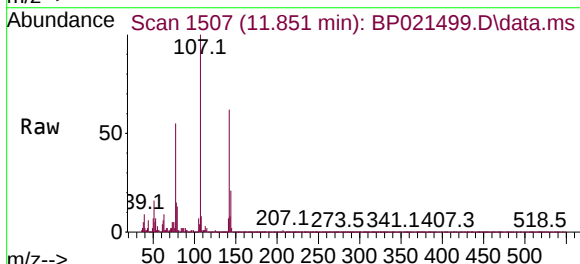
Manual Integrations
APPROVED

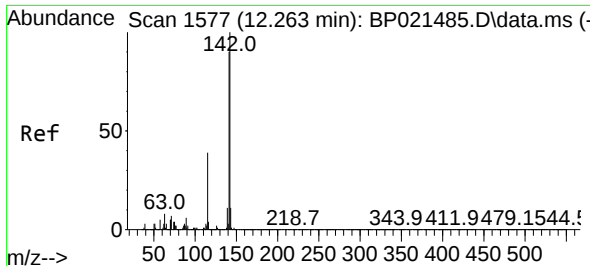
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#36
4-Chloro-3-methylphenol
Concen: 4.892 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

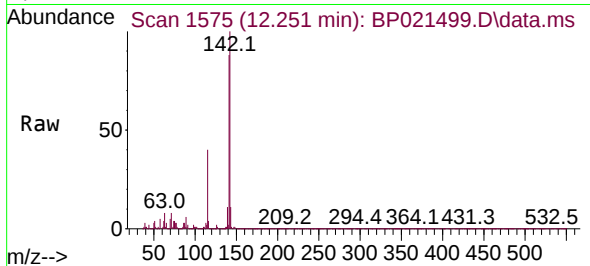
Tgt Ion:107 Resp: 135312
Ion Ratio Lower Upper
107 100
144 20.6 16.6 24.8
142 62.2 51.0 76.4





#37
2-Methylnaphthalene
Concen: 5.203 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

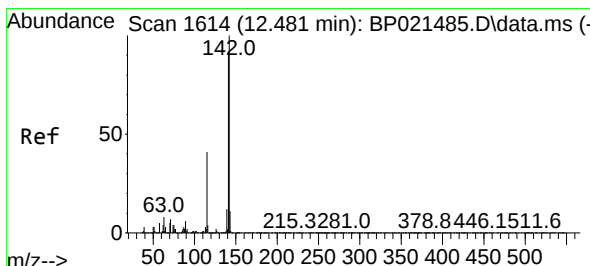
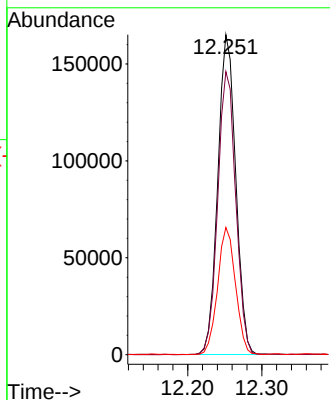
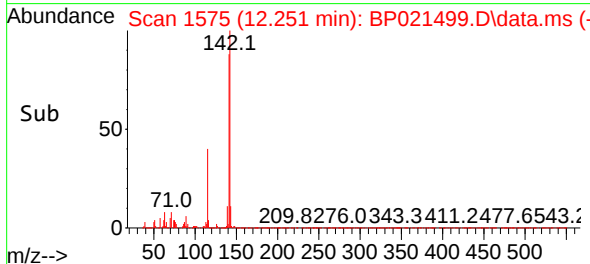
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



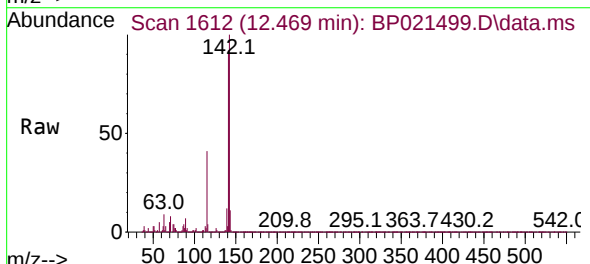
Tgt Ion:142 Resp: 27712
Ion Ratio Lower Upper
142 100
141 88.4 71.7 107.5
115 39.7 31.4 47.2

Manual Integrations
APPROVED

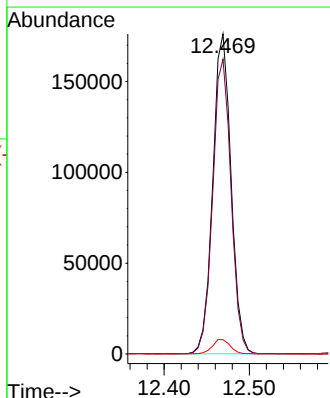
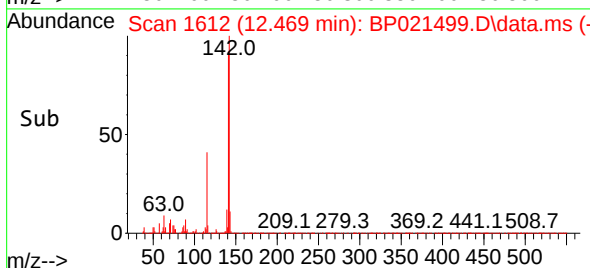
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

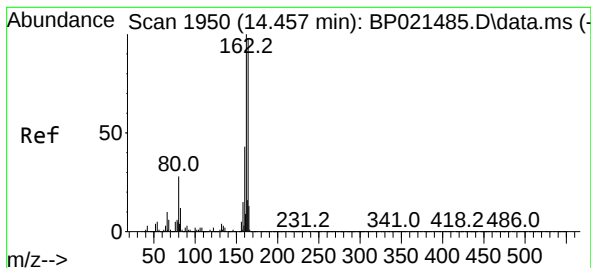


#38
1-Methylnaphthalene
Concen: 4.989 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13



Tgt Ion:142 Resp: 262059
Ion Ratio Lower Upper
142 100
141 92.1 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: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:164 Resp: 1018509

Ion Ratio Lower Upper

164 100

162 102.1 81.5 122.3

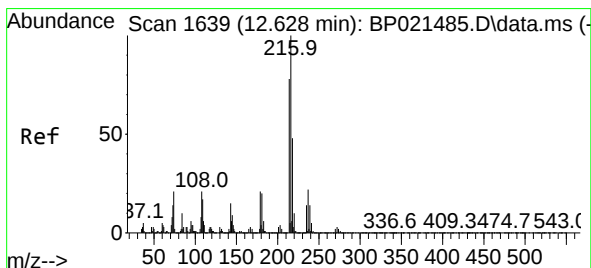
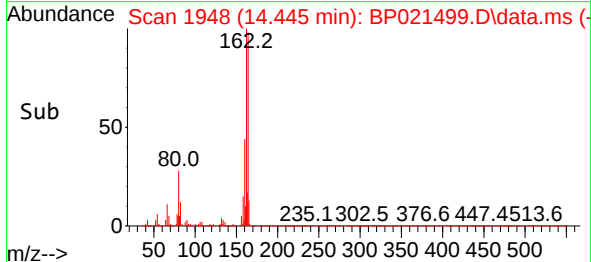
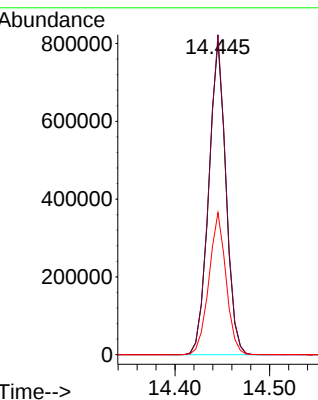
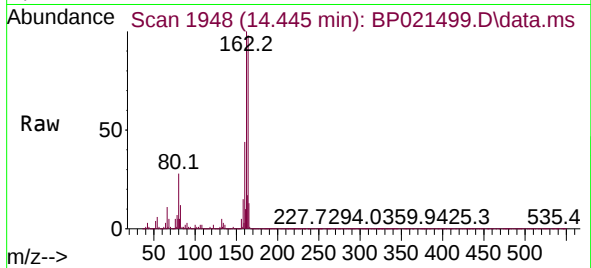
160 45.3 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.271 ng

RT: 12.622 min Scan# 1638

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:216 Resp: 157301

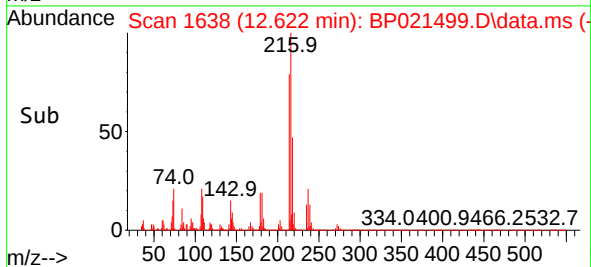
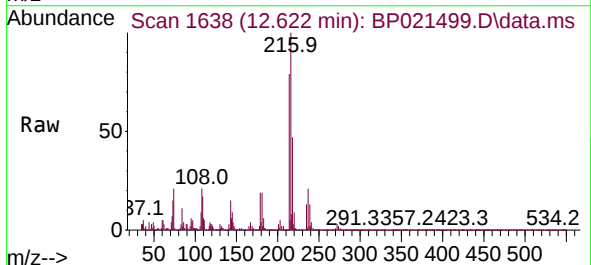
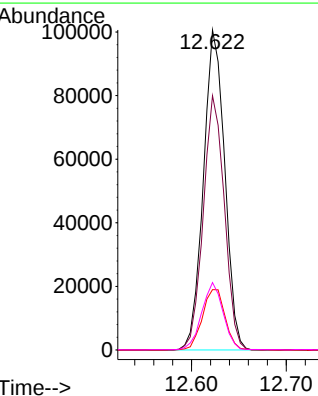
Ion Ratio Lower Upper

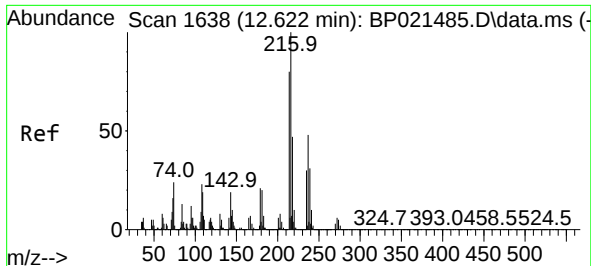
216 100

214 78.8 62.5 93.7

179 20.2 16.4 24.6

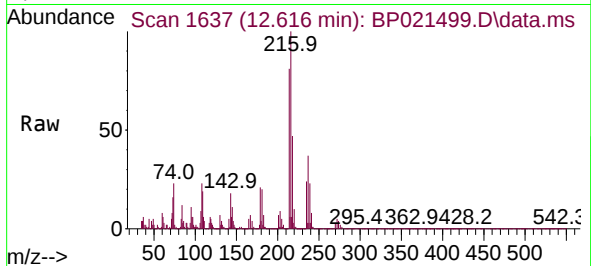
108 21.2 16.7 25.1





#41
Hexachlorocyclopentadiene
Concen: 4.746 ng
RT: 12.616 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

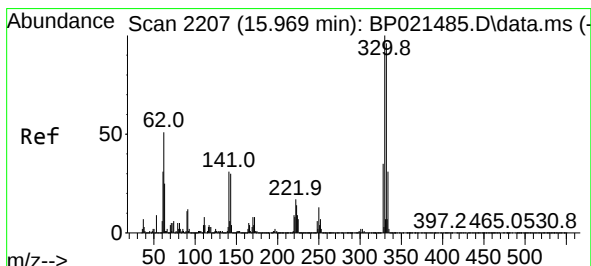
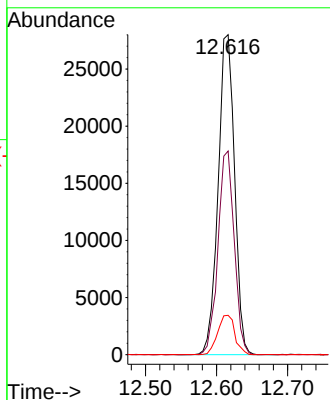
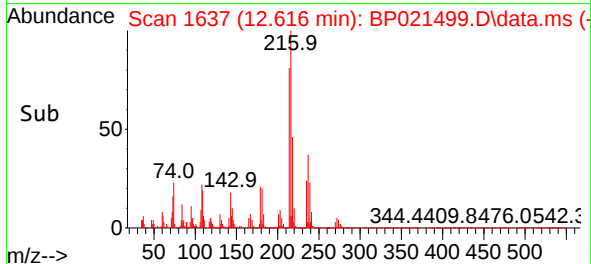
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 237 Resp: 4489
Ion Ratio Lower Upper
237 100
235 63.7 43.9 83.9
272 12.3 0.0 33.3

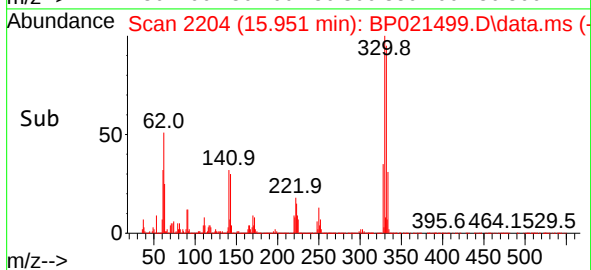
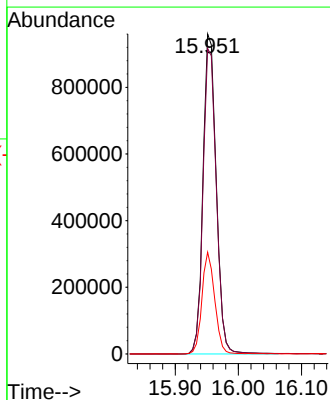
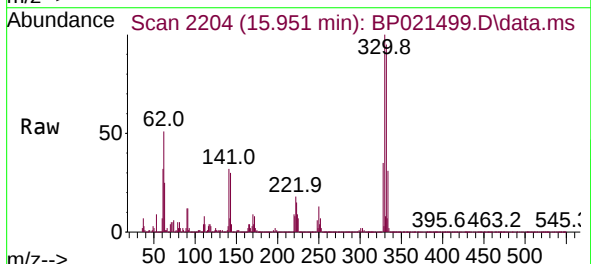
Manual Integrations
APPROVED

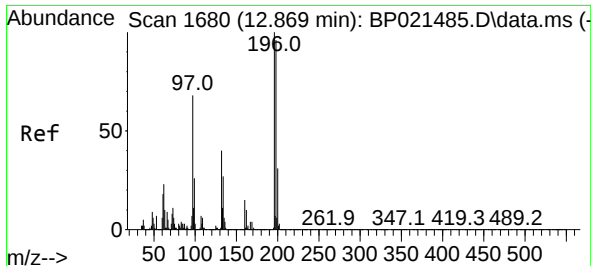
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#42
2,4,6-Tribromophenol
Concen: 123.302 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion: 330 Resp: 1397704
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 30.8 24.5 36.7





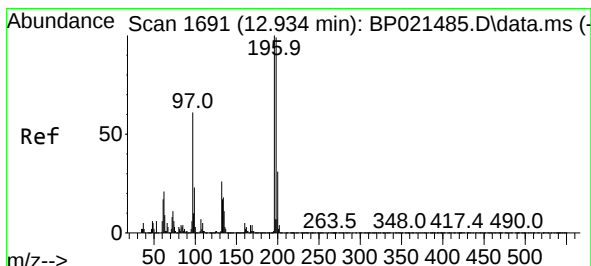
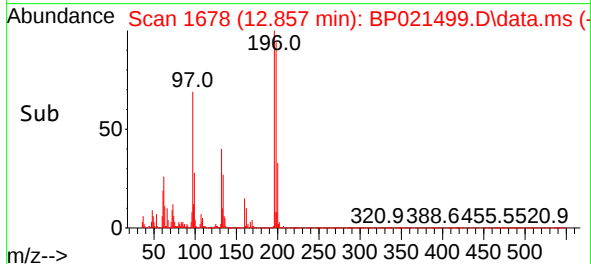
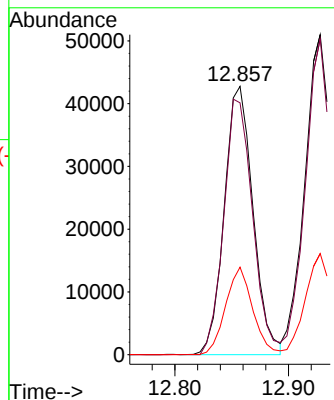
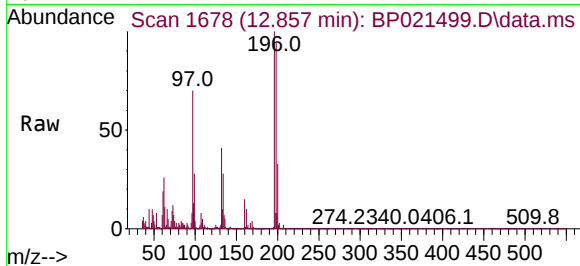
#43
2,4,6-Trichlorophenol
Concen: 4.542 ng
RT: 12.857 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:196 Resp: 75297
Ion Ratio Lower Upper
196 100
198 93.9 76.6 114.8
200 32.6 24.5 36.7

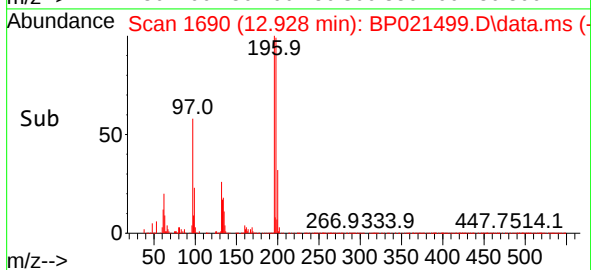
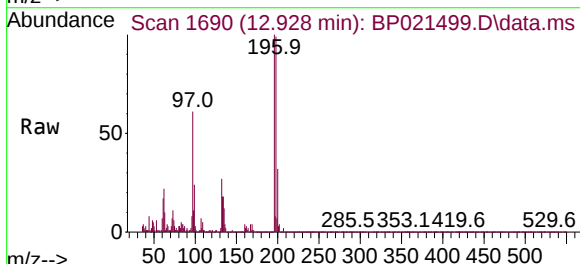
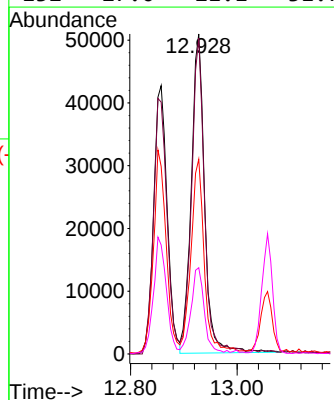
Manual Integrations
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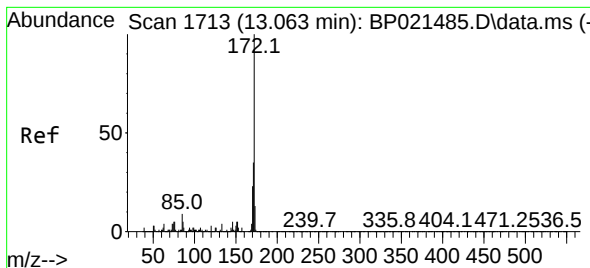
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#44
2,4,5-Trichlorophenol
Concen: 4.829 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:196 Resp: 88933
Ion Ratio Lower Upper
196 100
198 98.7 78.9 118.3
97 60.8 49.4 74.0
132 27.0 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 89.893 ng

RT: 13.057 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:172 Resp: 5999172

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

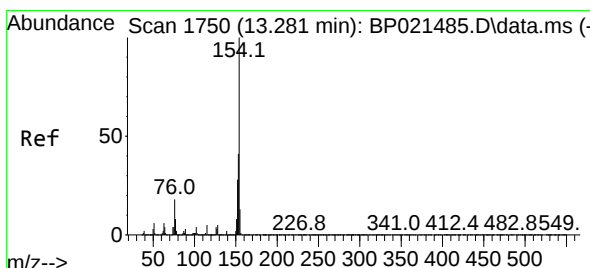
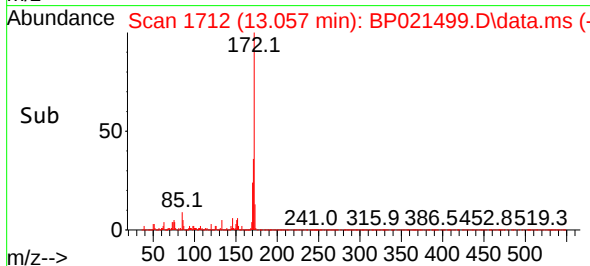
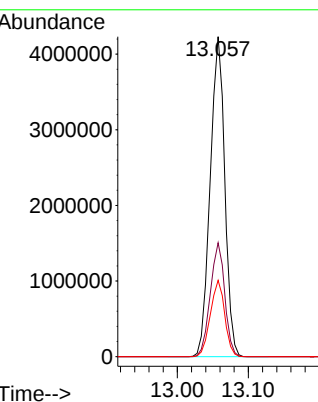
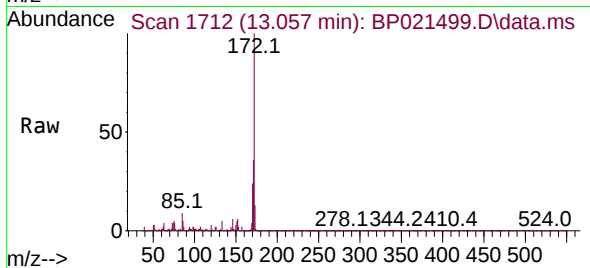
170 23.8 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#46

1,1'-Biphenyl

Concen: 5.408 ng

RT: 13.269 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

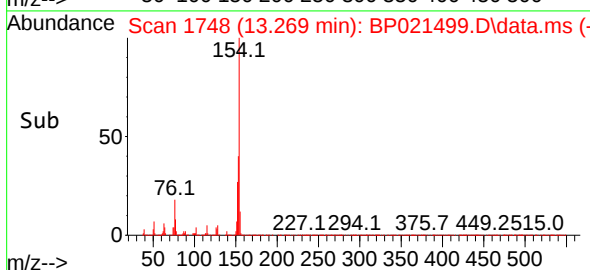
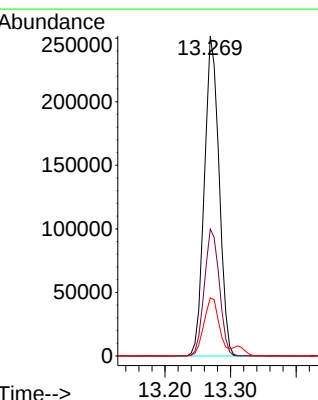
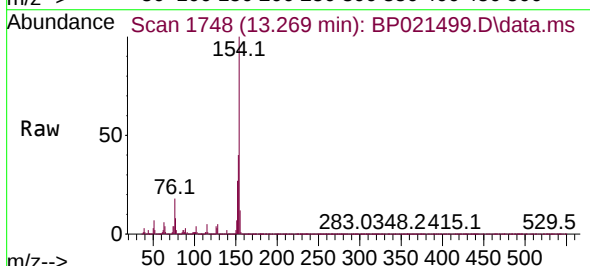
Tgt Ion:154 Resp: 389718

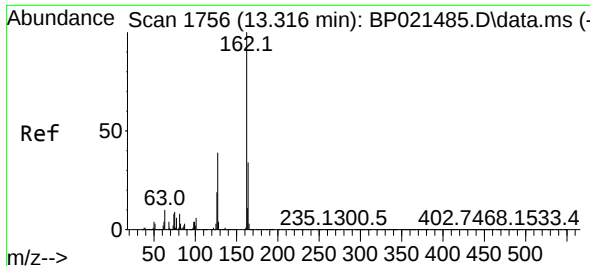
Ion Ratio Lower Upper

154 100

153 39.7 20.7 60.7

76 18.2 0.0 37.7





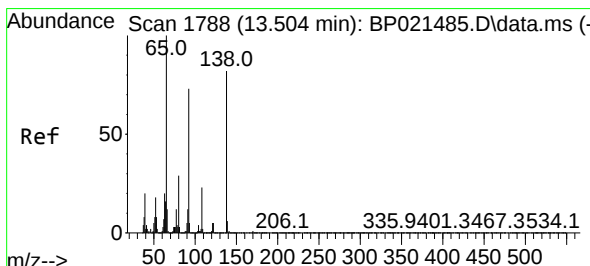
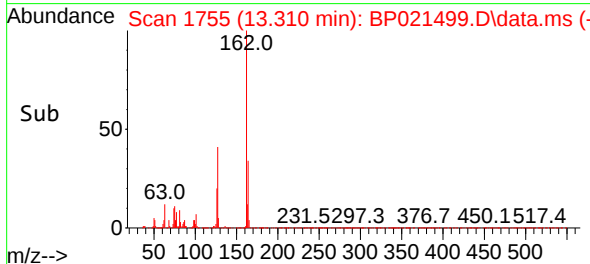
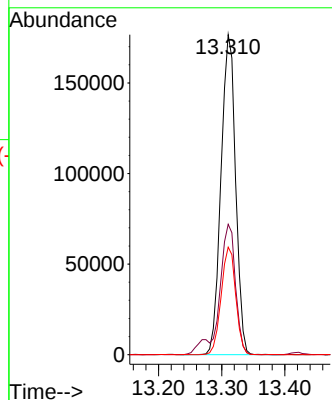
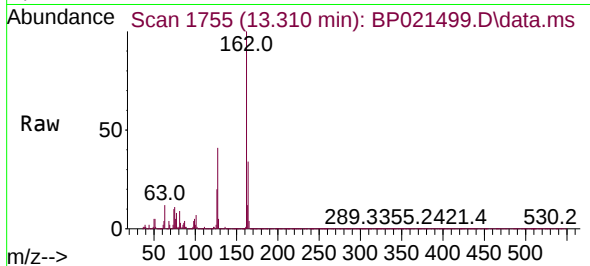
#47
2-Chloronaphthalene
Concen: 5.040 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:162 Resp: 282725
Ion Ratio Lower Upper
162 100
127 40.7 31.9 47.9
164 33.6 26.8 40.2

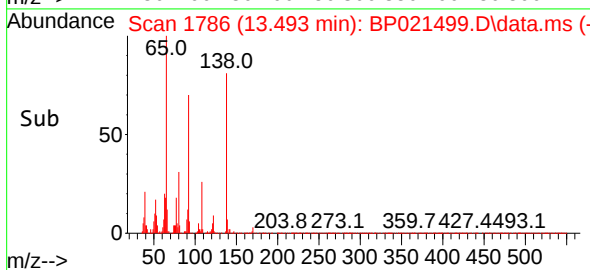
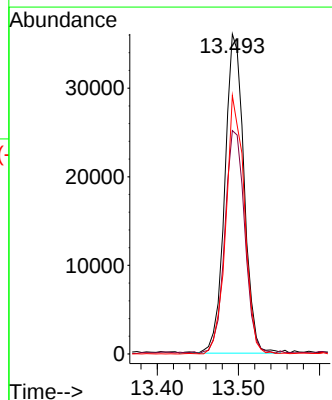
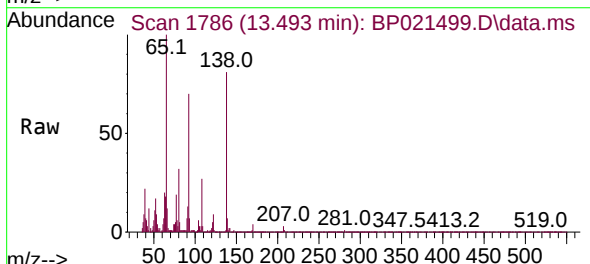
Manual Integrations
APPROVED

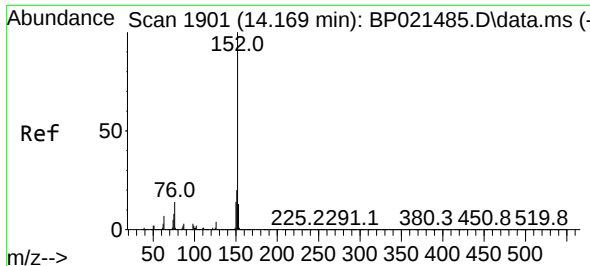
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#48
2-Nitroaniline
Concen: 4.548 ng
RT: 13.493 min Scan# 1786
Delta R.T. -0.011 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

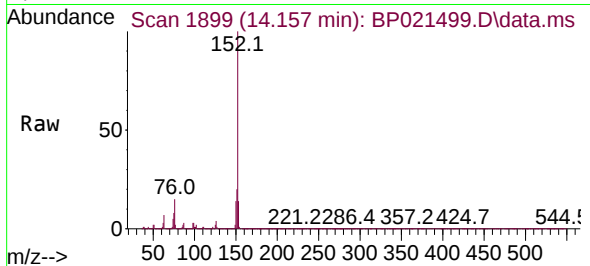
Tgt Ion: 65 Resp: 59322
Ion Ratio Lower Upper
65 100
92 69.8 58.1 87.1
138 80.7 65.5 98.3





#49
Acenaphthylene
Concen: 5.549 ng
RT: 14.157 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

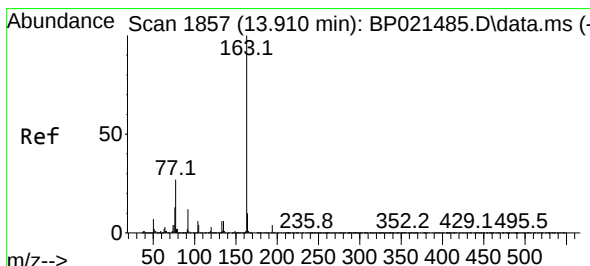
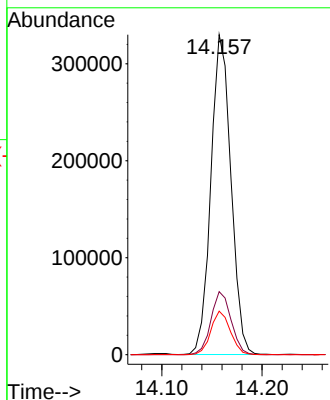
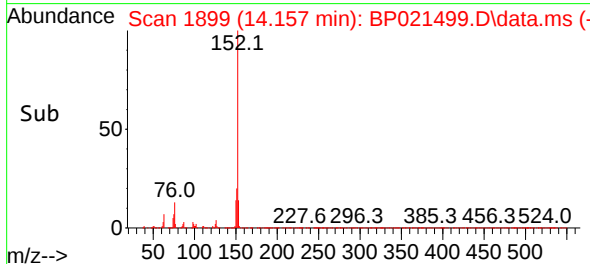
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



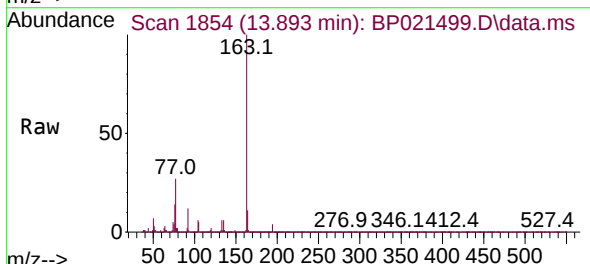
Tgt Ion:152 Resp: 457610
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.6 10.6 16.0

Manual Integrations
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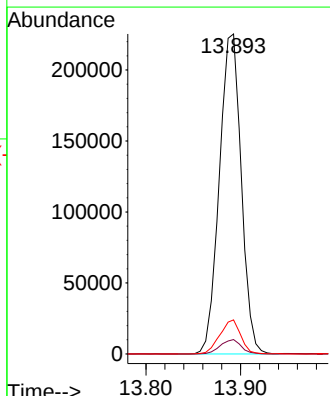
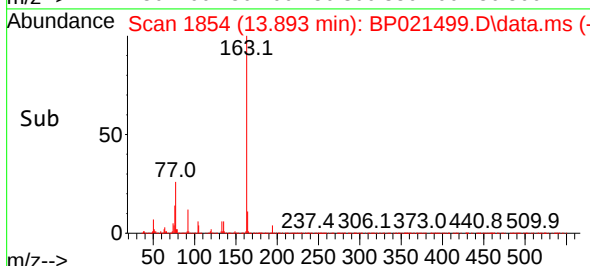
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

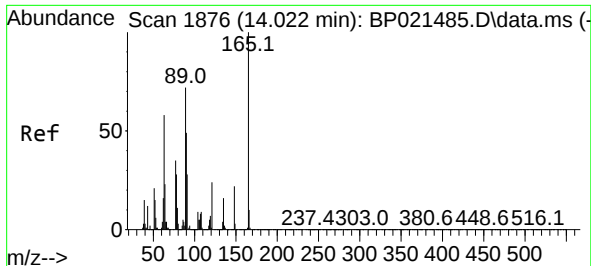


#50
Dimethylphthalate
Concen: 5.316 ng
RT: 13.893 min Scan# 1854
Delta R.T. -0.017 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13



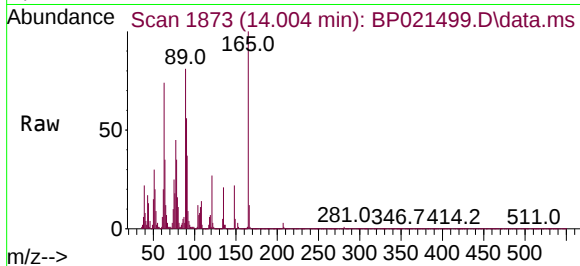
Tgt Ion:163 Resp: 362620
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 10.6 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 4.280 ng
RT: 14.004 min Scan# 1876
Delta R.T. -0.018 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

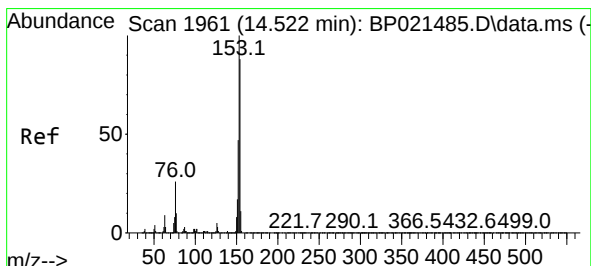
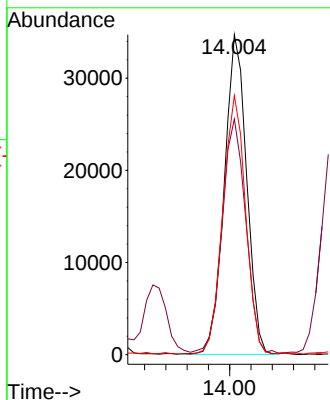
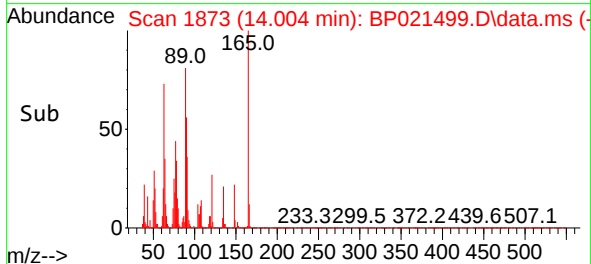
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:165 Resp: 50597
Ion Ratio Lower Upper
165 100
63 73.7 51.5 77.3
89 81.0 57.8 86.8

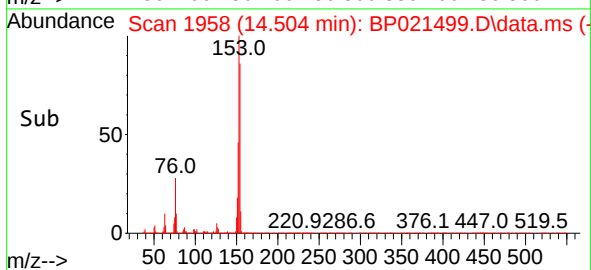
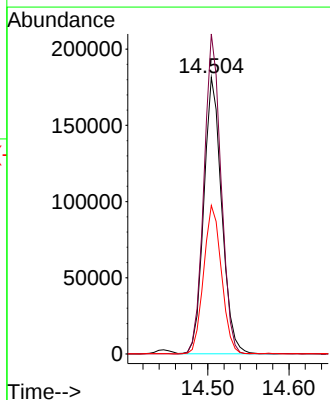
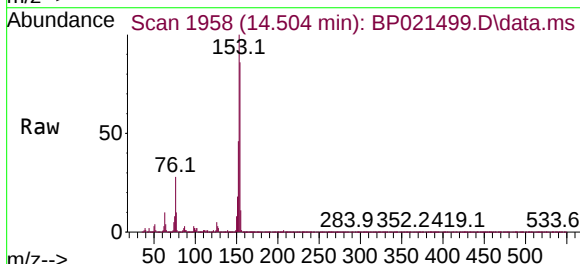
Manual Integrations
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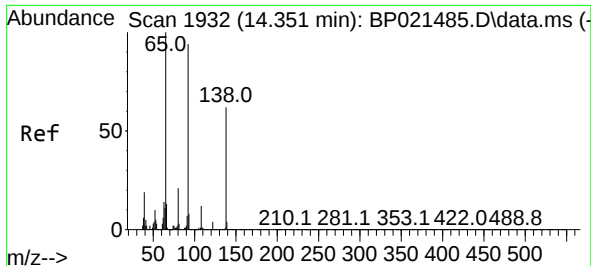
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#52
Acenaphthene
Concen: 5.135 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.018 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:154 Resp: 277853
Ion Ratio Lower Upper
154 100
153 115.7 91.1 136.7
152 53.7 43.0 64.4





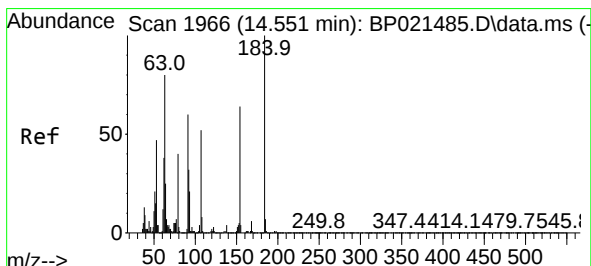
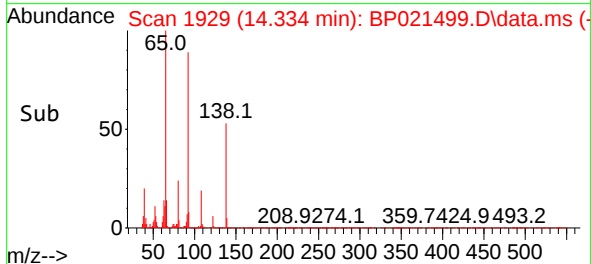
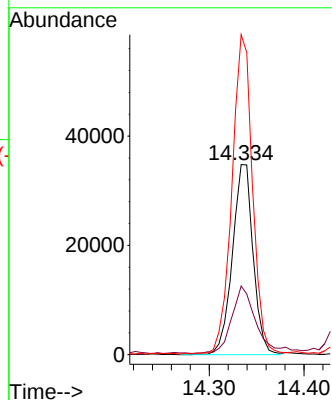
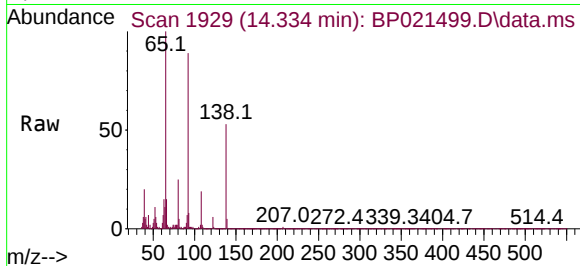
#53
3-Nitroaniline
Concen: 4.545 ng
RT: 14.334 min Scan# 1932
Delta R.T. -0.017 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:138 Resp: 52824
Ion Ratio Lower Upper
138 100
108 36.1 16.2 24.4
92 168.3 122.2 183.4

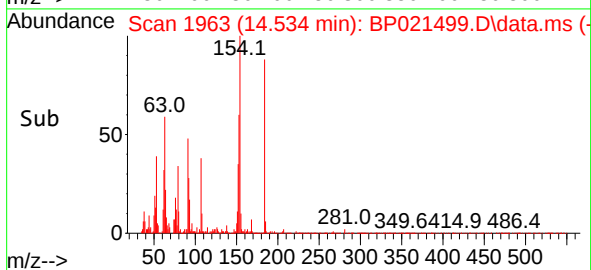
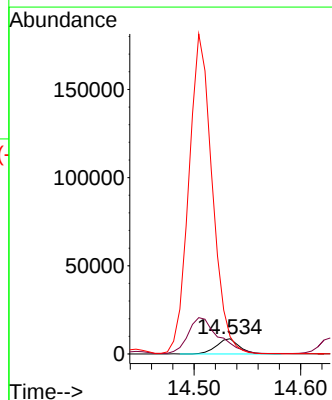
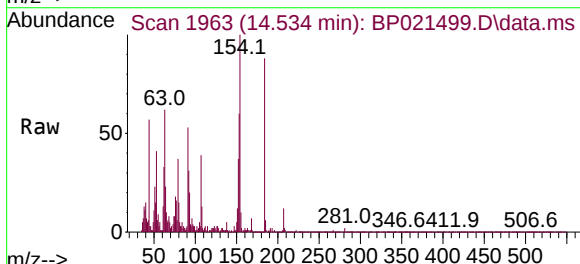
Manual Integrations
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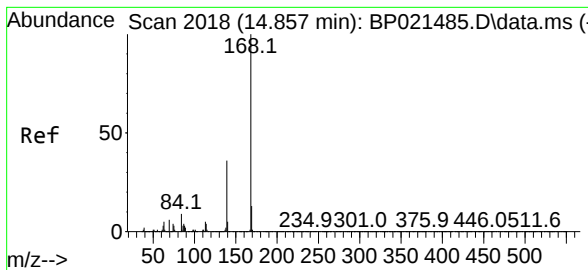
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#54
2,4-Dinitrophenol
Concen: 7.253 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.017 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

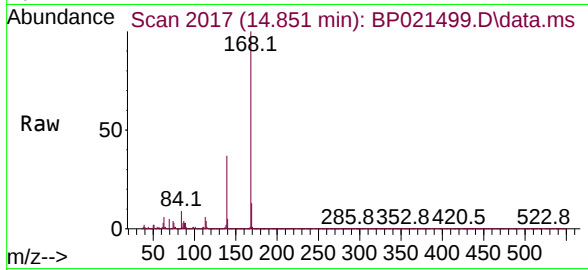
Tgt Ion:184 Resp: 12858
Ion Ratio Lower Upper
184 100
63 70.3 64.9 97.3
154 114.2 52.1 78.1#





#55
Dibenzenofuran
Concen: 5.417 ng
RT: 14.851 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

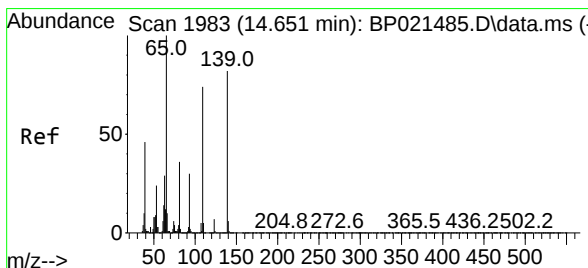
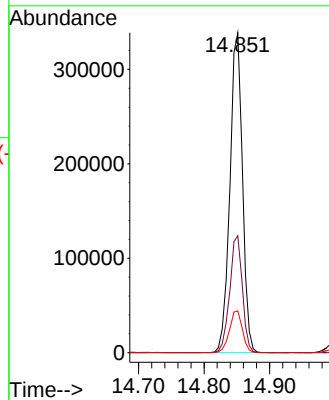
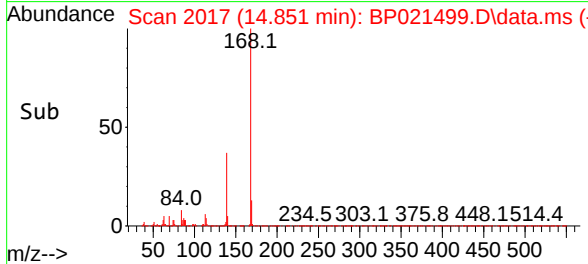
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024



Tgt Ion:168 Resp: 450960
Ion Ratio Lower Upper
168 100
139 36.6 28.6 43.0
169 13.1 10.6 16.0

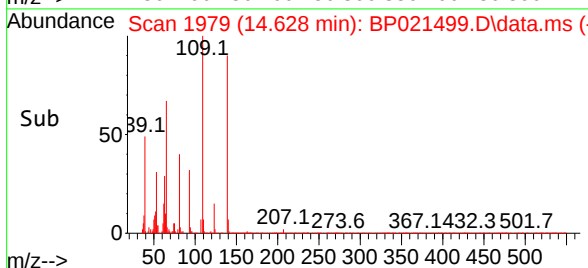
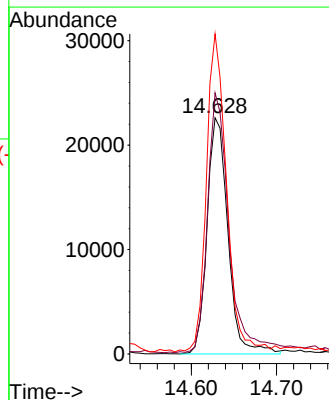
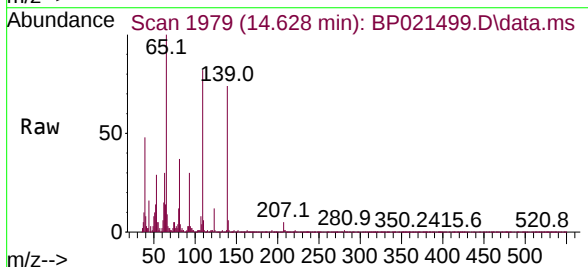
Manual Integrations
APPROVED

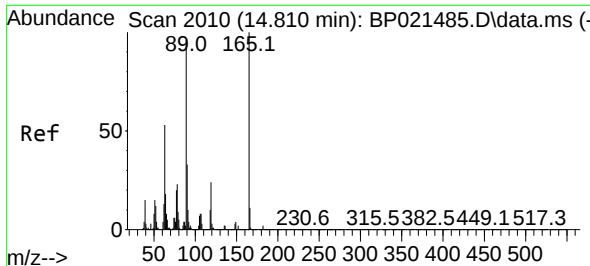
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#56
4-Nitrophenol
Concen: 8.264 ng
RT: 14.628 min Scan# 1979
Delta R.T. -0.023 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

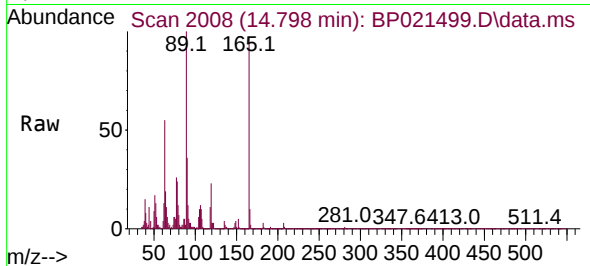
Tgt Ion:139 Resp: 38472
Ion Ratio Lower Upper
139 100
109 110.6 70.2 110.2#
65 135.5 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 3.885 ng
RT: 14.798 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

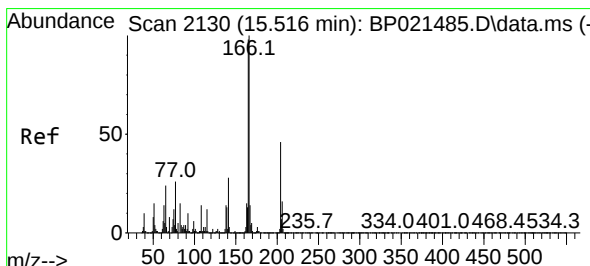
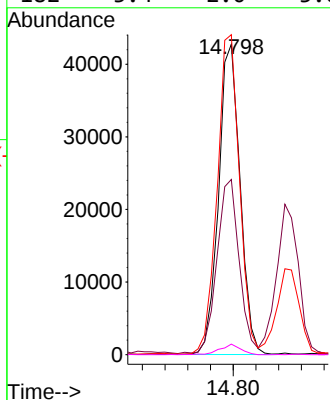
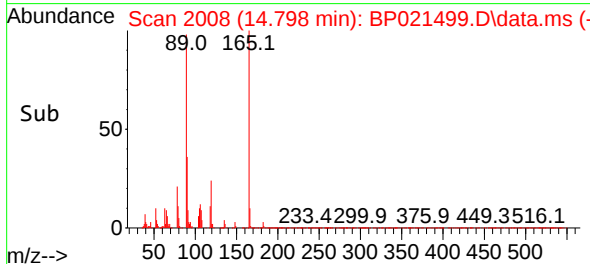
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:165 Resp: 56279
Ion Ratio Lower Upper
165 100
63 56.4 42.5 63.7
89 103.1 77.1 115.7
182 3.4 2.0 3.0#

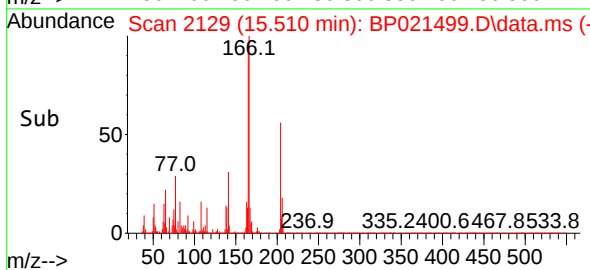
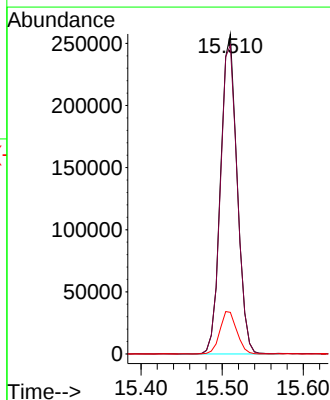
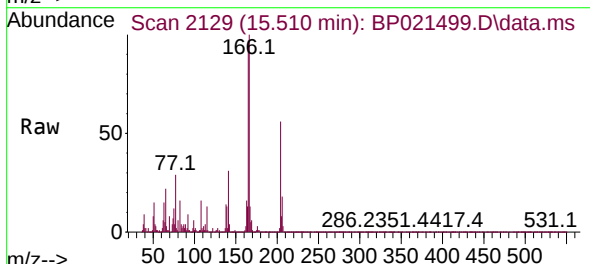
Manual Integrations
APPROVED

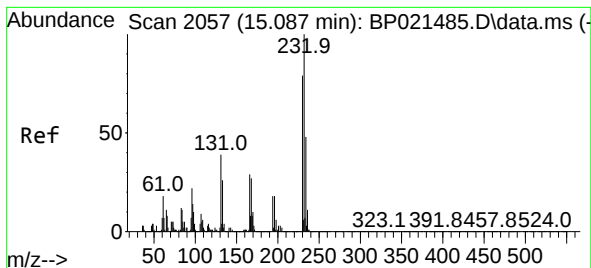
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#58
Fluorene
Concen: 5.324 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

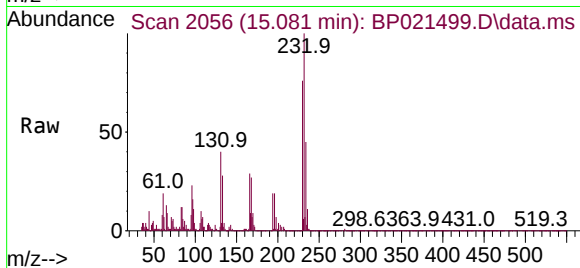
Tgt Ion:166 Resp: 364114
Ion Ratio Lower Upper
166 100
165 96.5 78.1 117.1
167 13.0 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.062 ng m
RT: 15.081 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

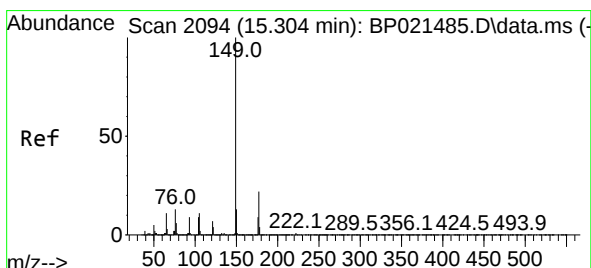
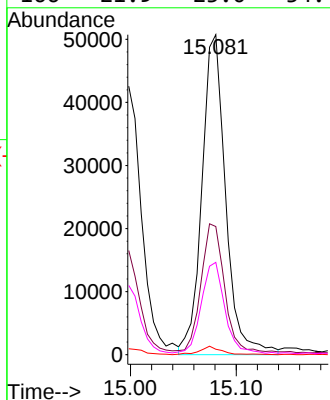
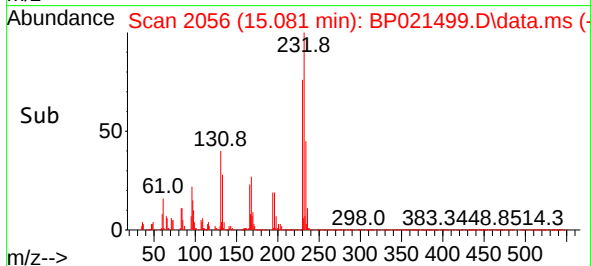
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:232 Resp: 7913
Ion Ratio Lower Upper
232 100
131 32.3 33.1 49.7
130 2.1 1.7 2.5
166 21.9 23.0 34.4#

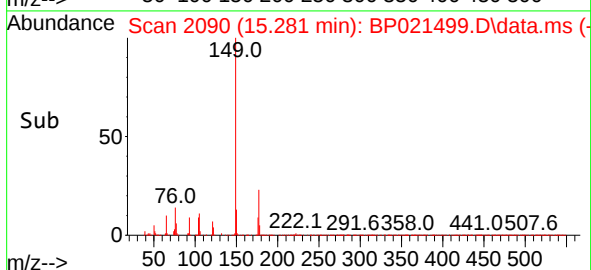
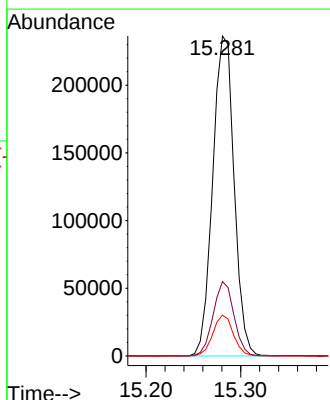
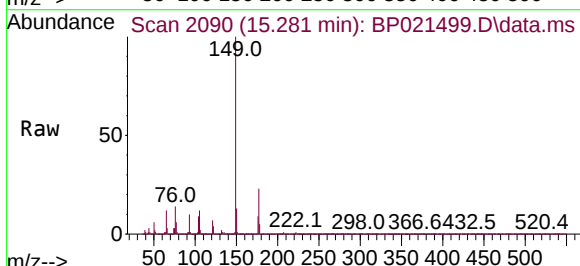
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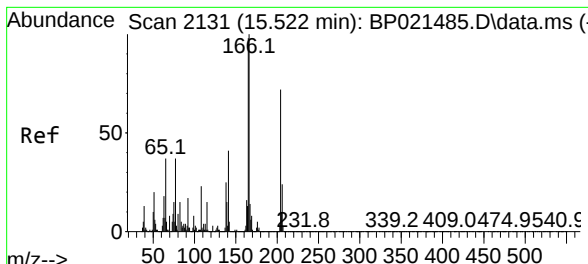
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#60
Diethylphthalate
Concen: 5.300 ng
RT: 15.281 min Scan# 2090
Delta R.T. -0.024 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:149 Resp: 370913
Ion Ratio Lower Upper
149 100
177 23.3 17.8 26.8
150 12.8 10.1 15.1





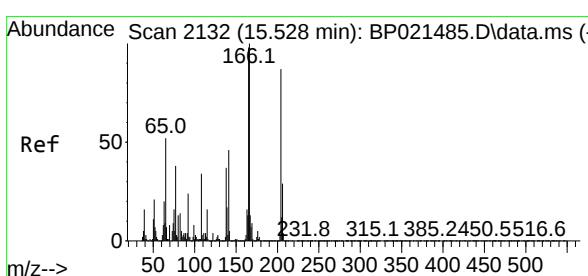
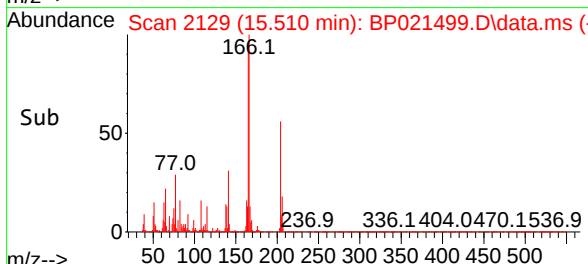
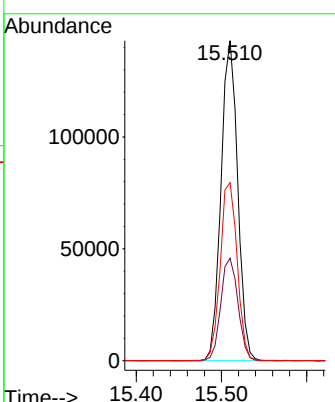
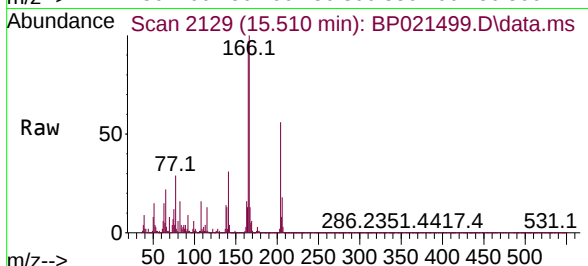
#61
4-Chlorophenyl-phenylether
Concen: 5.493 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:	204	Resp:	19418
Ion Ratio	Lower	Upper	
204	100		
206	32.0	26.4	39.6
141	55.7	46.1	69.1

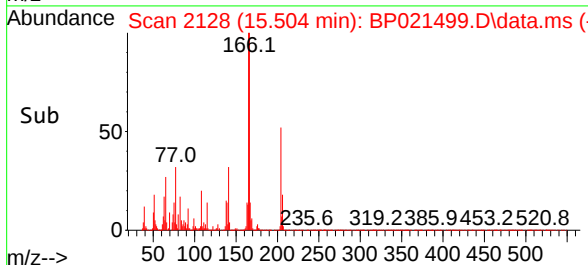
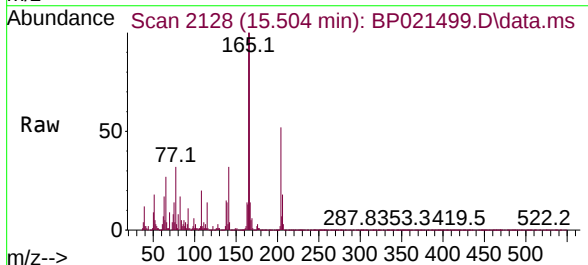
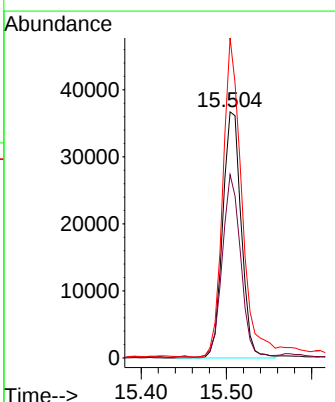
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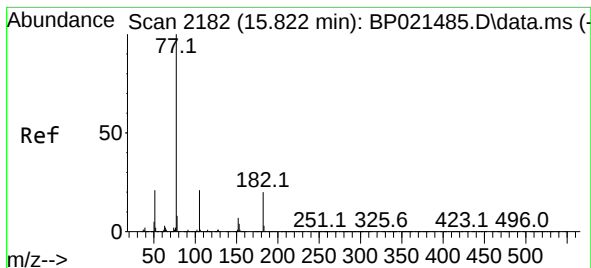
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#62
4-Nitroaniline
Concen: 4.514 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.024 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:	138	Resp:	55473
Ion Ratio	Lower	Upper	
138	100		
92	74.5	46.4	86.4
108	130.0	73.2	113.2





#63

Azobenzene

Concen: 5.635 ng

RT: 15.810 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 48473

Ion Ratio Lower Upper

77 100

182 18.6 0.0 39.9

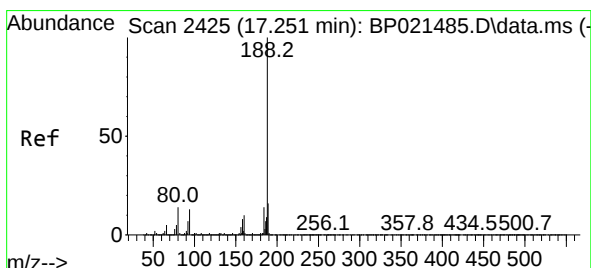
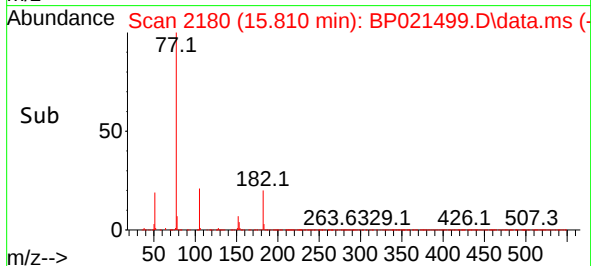
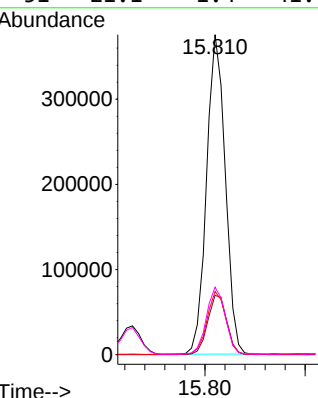
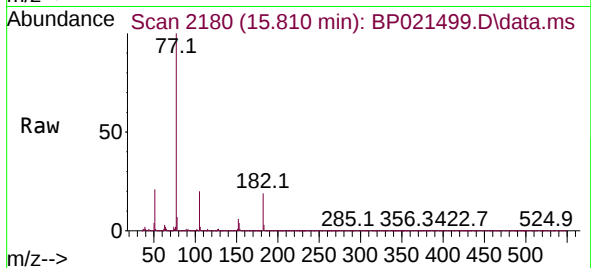
105 19.7 0.9 40.9

51 21.1 1.4 41.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.251 min Scan# 2425

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

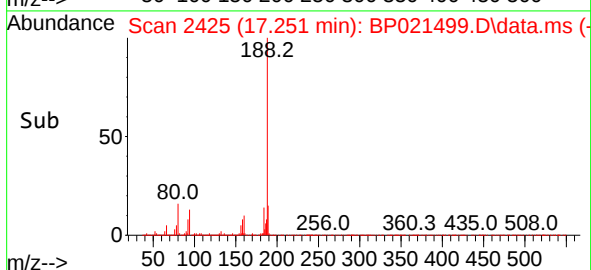
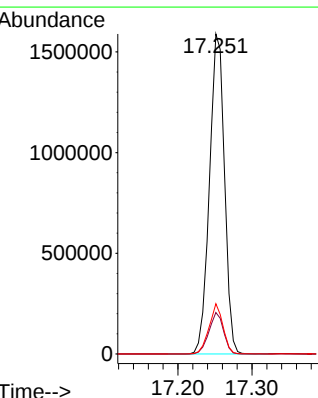
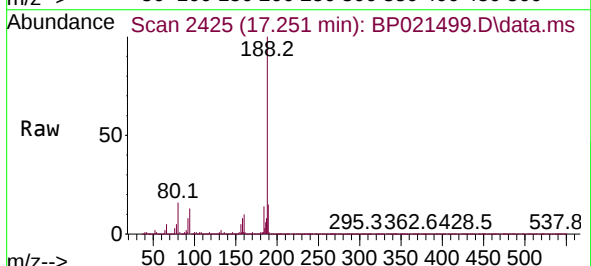
Tgt Ion:188 Resp: 2238816

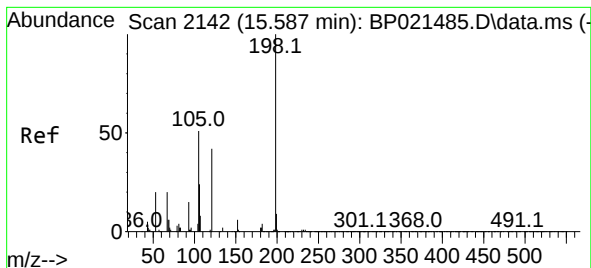
Ion Ratio Lower Upper

188 100

94 13.0 10.2 15.4

80 15.7 11.6 17.4





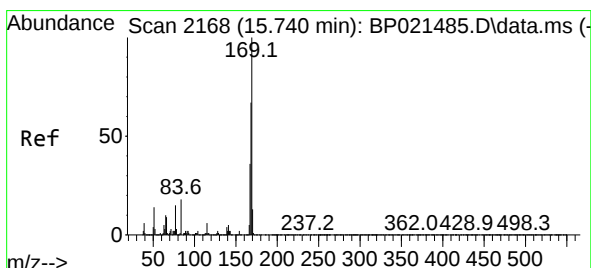
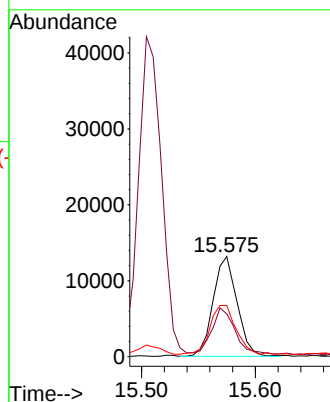
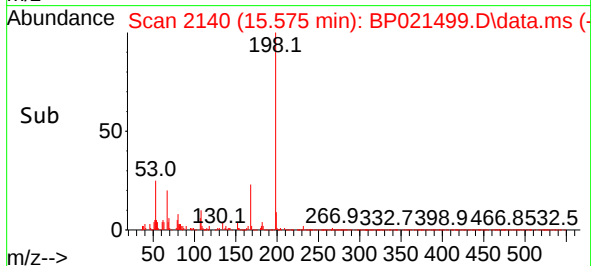
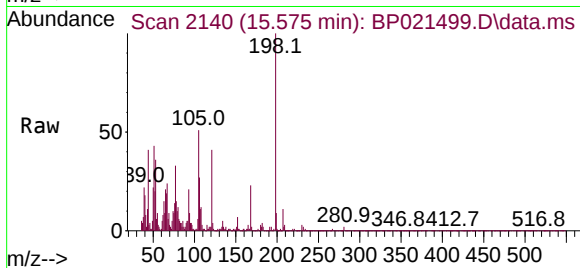
#65
4,6-Dinitro-2-methylphenol
Concen: 8.211 ng
RT: 15.575 min Scan# 2140
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:198 Resp: 1929
Ion Ratio Lower Upper
198 100
51 42.7 21.5 61.5
105 51.2 32.9 72.9

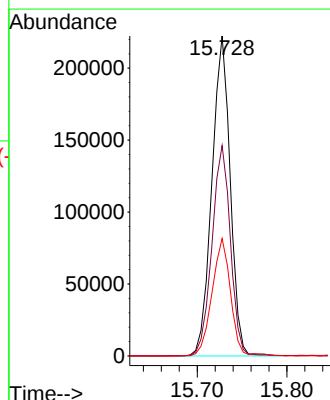
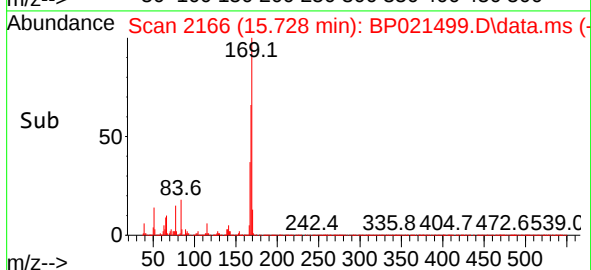
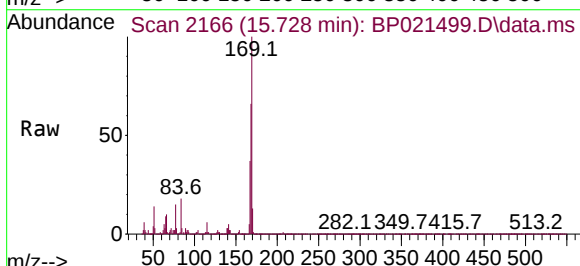
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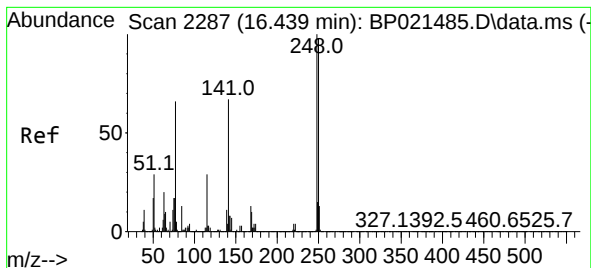
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#66
n-Nitrosodiphenylamine
Concen: 5.238 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

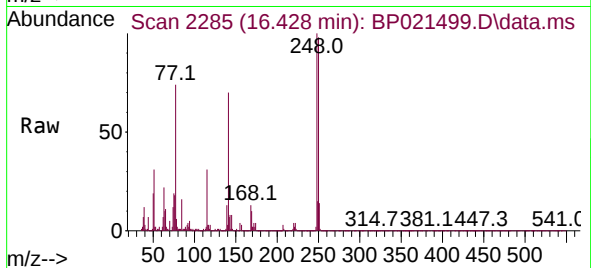
Tgt Ion:169 Resp: 314285
Ion Ratio Lower Upper
169 100
168 65.7 53.4 80.2
167 36.7 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 4.692 ng
RT: 16.428 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

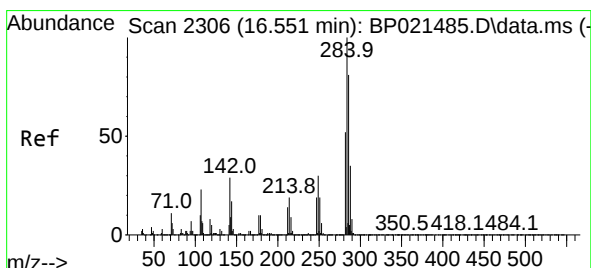
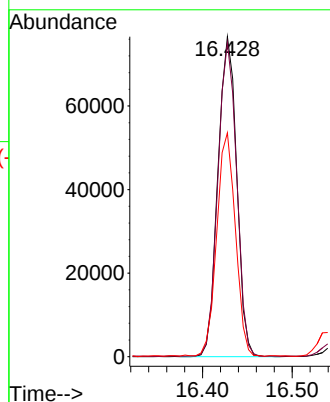
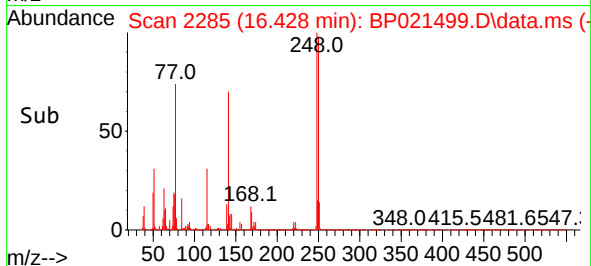
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2024



Tgt Ion:248 Resp: 111184
Ion Ratio Lower Upper
248 100
250 98.2 78.6 117.8
141 69.9 53.9 80.9

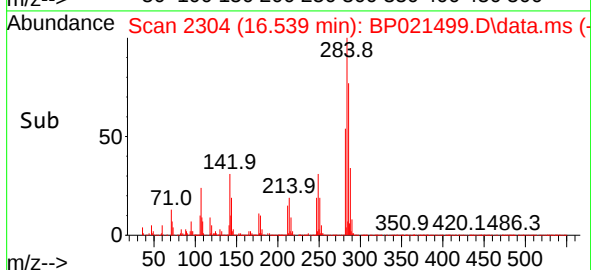
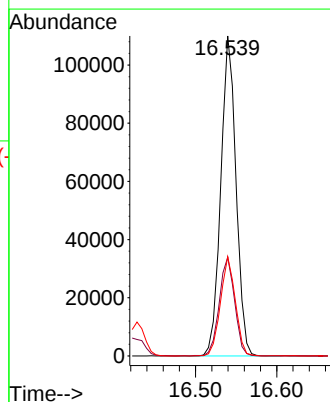
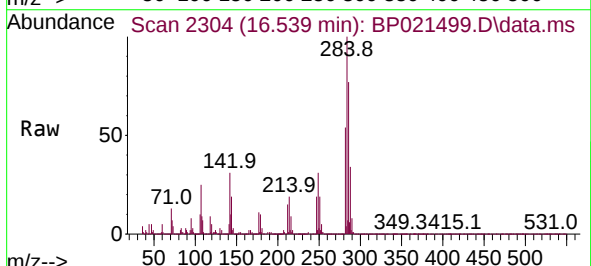
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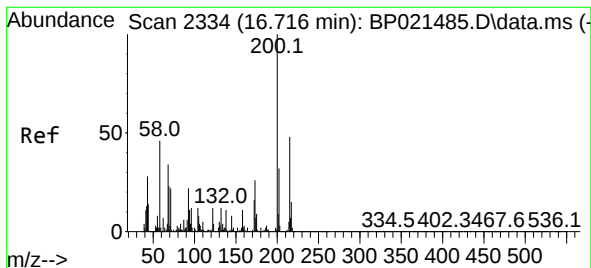
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#68
Hexachlorobenzene
Concen: 5.136 ng
RT: 16.539 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:284 Resp: 143816
Ion Ratio Lower Upper
284 100
142 30.8 23.4 35.2
249 31.0 24.1 36.1





#69

Atrazine

Concen: 5.364 ng

RT: 16.698 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

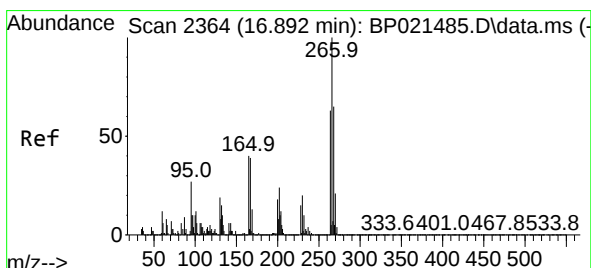
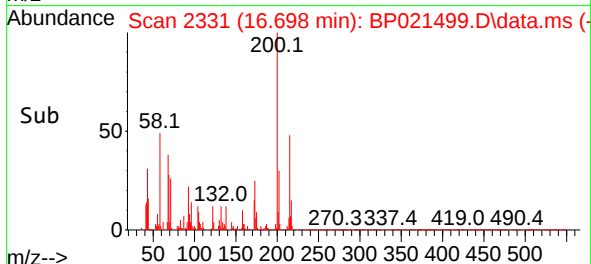
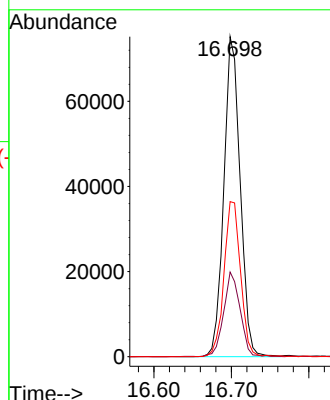
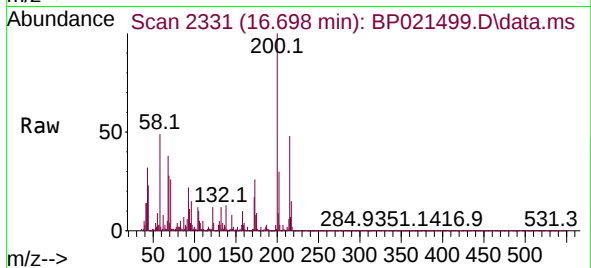
LOQ-SOIL-02-QT3-2024

Tgt Ion:200 Resp: 110483
 Ion Ratio Lower Upper
 200 100
 173 26.5 6.2 46.2
 215 48.5 28.4 68.4

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Reviewed By :Jagrut Upadhyay 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024



#70

Pentachlorophenol

Concen: 3.761 ng

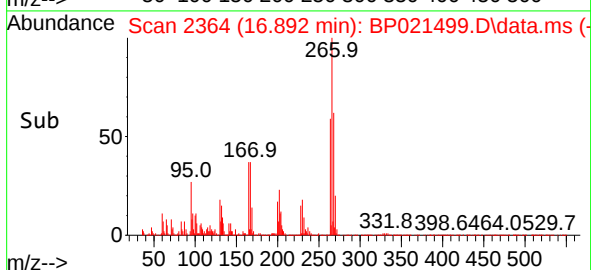
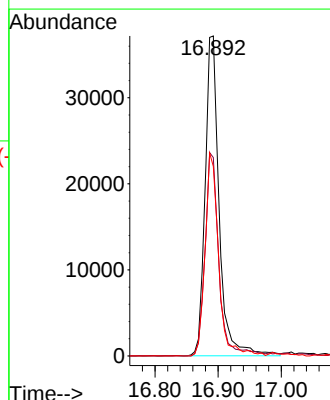
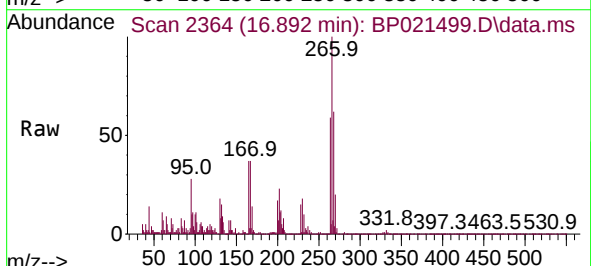
RT: 16.892 min Scan# 2364

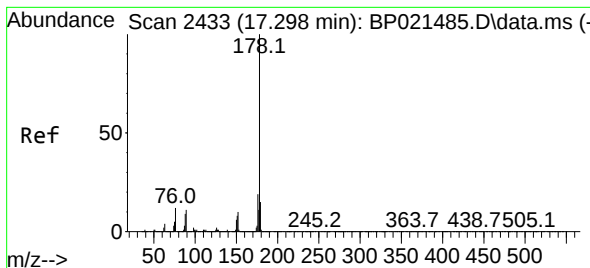
Delta R.T. 0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:266 Resp: 57483
 Ion Ratio Lower Upper
 266 100
 268 62.0 51.8 77.6
 264 59.3 50.5 75.7





#71

Phenanthrene

Concen: 5.486 ng

RT: 17.292 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

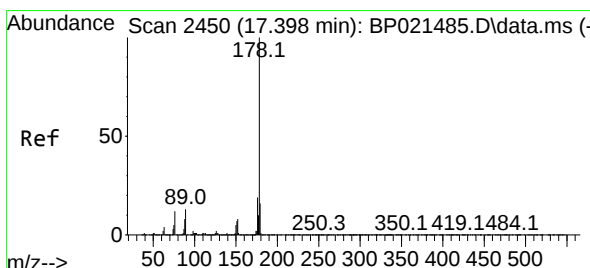
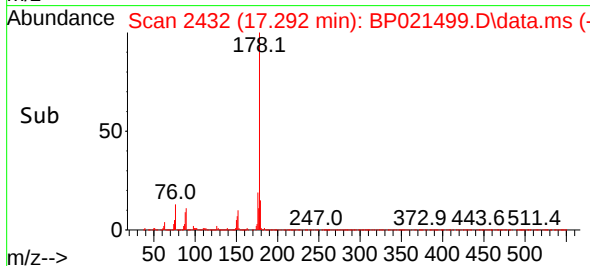
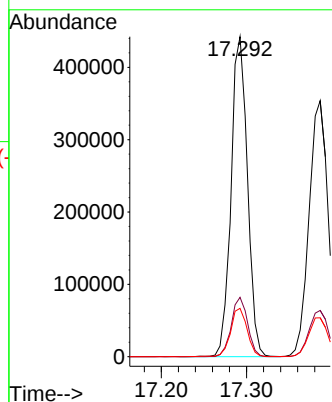
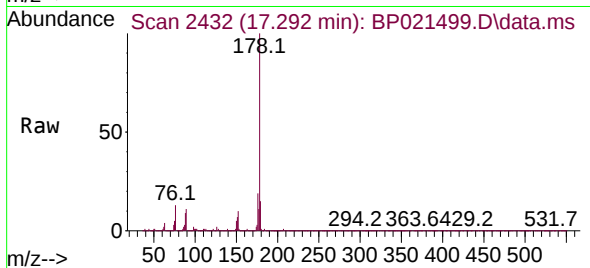
LOQ-SOIL-02-QT3-2024

Tgt Ion:178 Resp: 590680
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.1 12.4 18.6

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Reviewed By :Jagrut Upadhyay 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024



#72

Anthracene

Concen: 5.214 ng

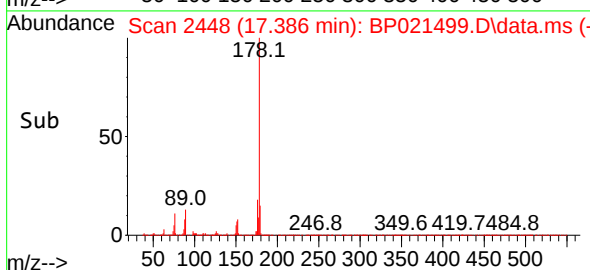
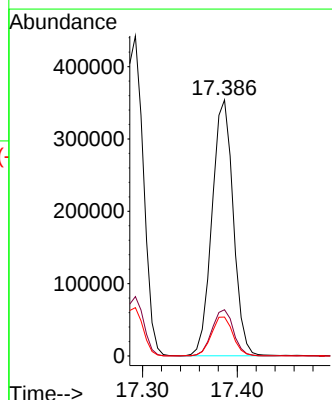
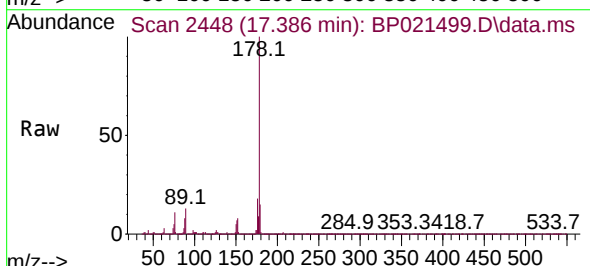
RT: 17.386 min Scan# 2448

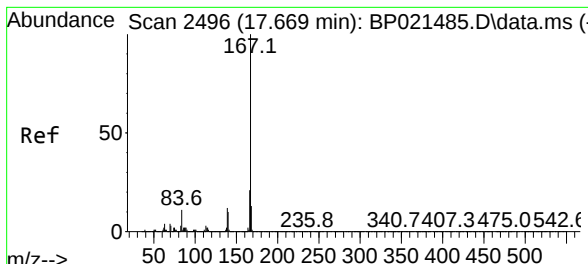
Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:178 Resp: 550547
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 15.2 12.5 18.7



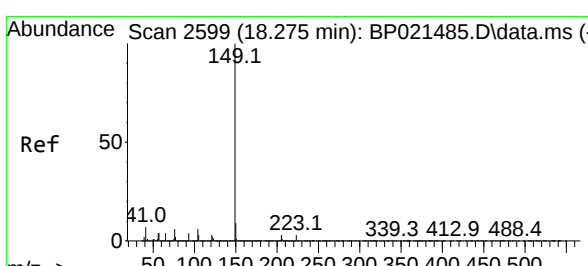
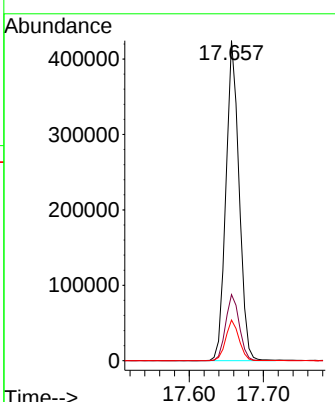
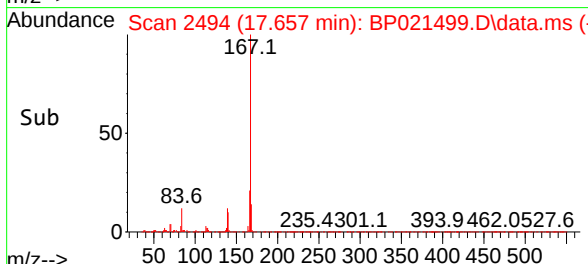
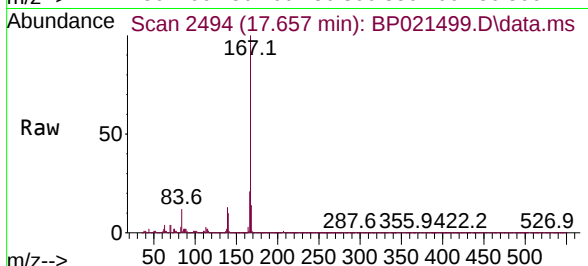


#73
 Carbazole
 Concen: 5.134 ng
 RT: 17.657 min Scan# 2494
 Delta R.T. -0.012 min
 Lab File: BP021499.D
 Acq: 14 Aug 2024 14:13

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

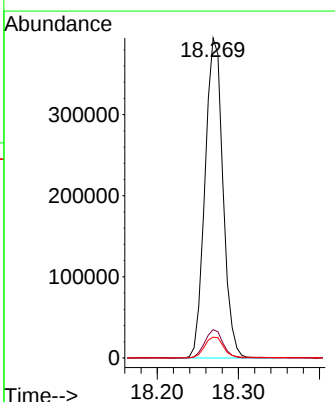
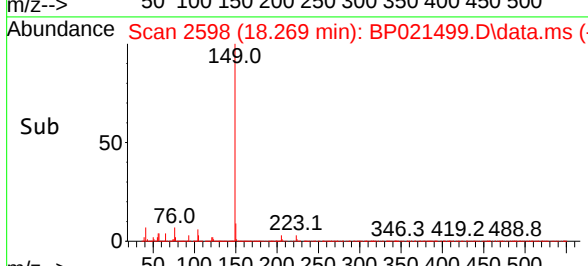
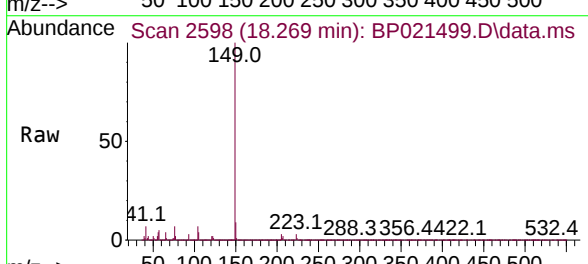
Tgt Ion:	167	Resp:	522472
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.0	25.4
139	12.7	9.9	14.9

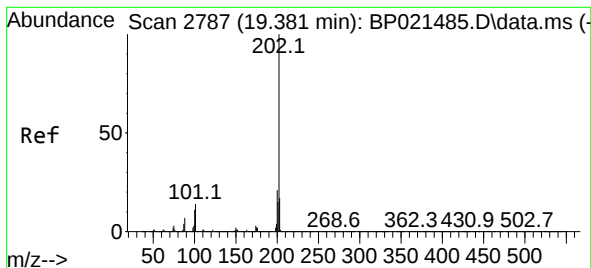
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024



#74
 Di-n-butylphthalate
 Concen: 4.834 ng
 RT: 18.269 min Scan# 2598
 Delta R.T. -0.006 min
 Lab File: BP021499.D
 Acq: 14 Aug 2024 14:13

Tgt Ion:	149	Resp:	604200
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.5	11.3
104	6.5	4.9	7.3





#75

Fluoranthene

Concen: 5.048 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

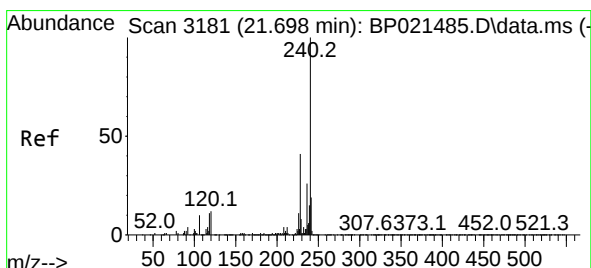
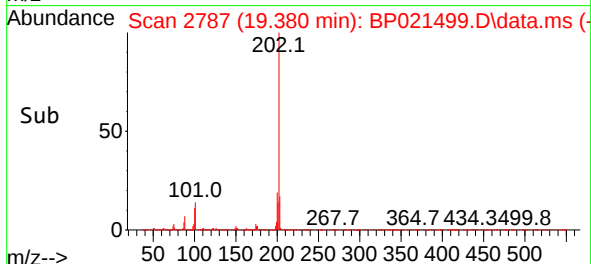
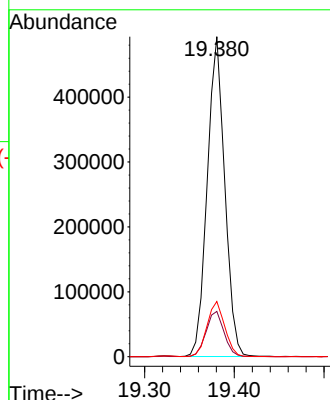
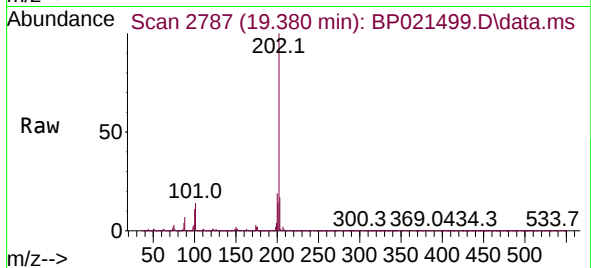
LOQ-SOIL-02-QT3-2024

Tgt Ion:	202	Resp:	66691
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	34.0
203	17.3	0.0	37.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#76

Chrysene-d12

Concen: 20.000 ng

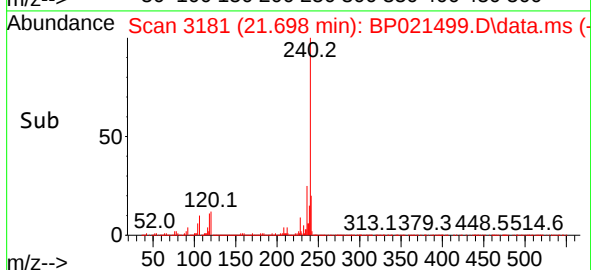
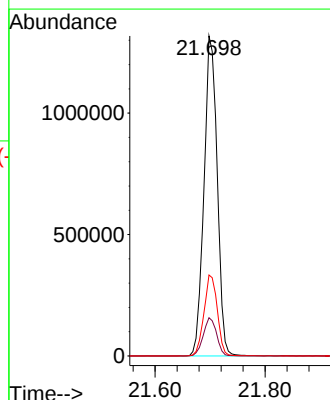
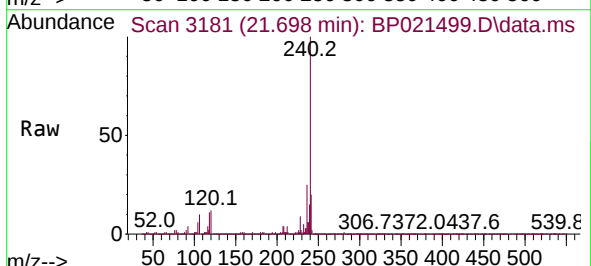
RT: 21.698 min Scan# 3181

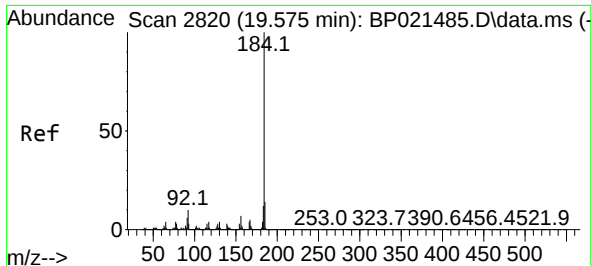
Delta R.T. 0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:	240	Resp:	2198600
Ion Ratio	Lower	Upper	
240	100		
120	11.9	9.9	14.9
236	25.3	20.6	30.8





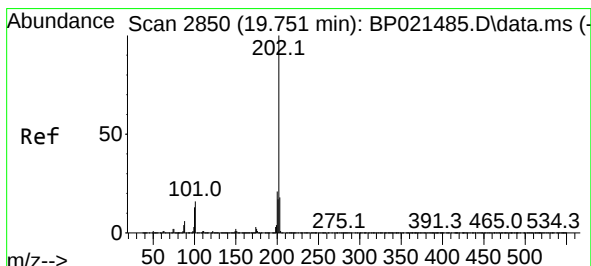
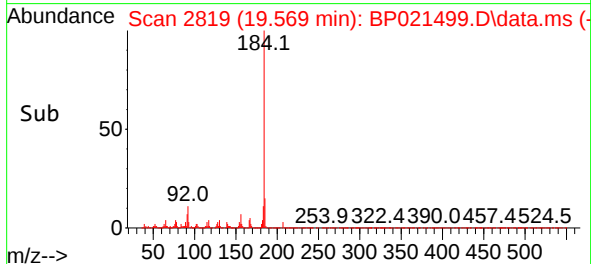
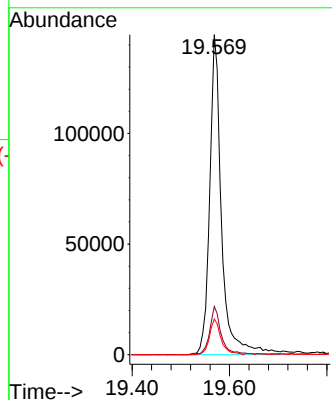
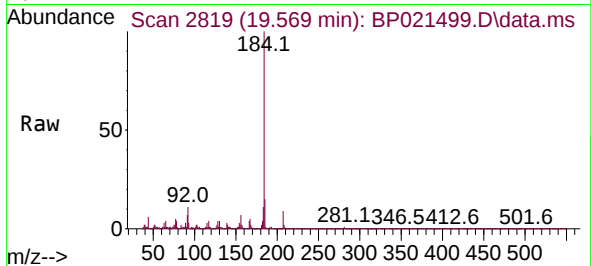
#77
Benzidine
Concen: 8.229 ng
RT: 19.569 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

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

Tgt Ion:184 Resp: 242890
Ion Ratio Lower Upper
184 100
185 15.1 11.4 17.0
183 11.2 9.3 13.9

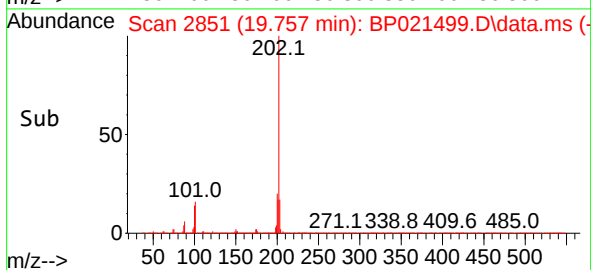
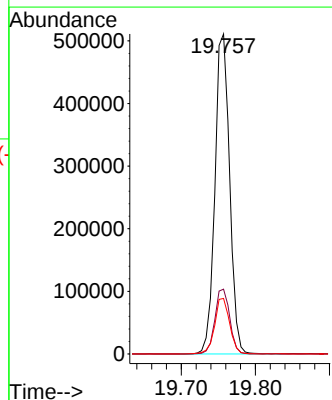
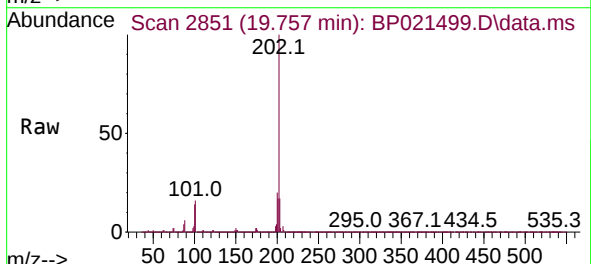
Manual Integrations
APPROVED

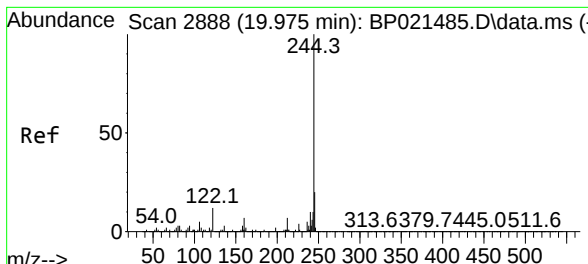
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#78
Pyrene
Concen: 4.883 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021499.D
Acq: 14 Aug 2024 14:13

Tgt Ion:202 Resp: 701681
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 17.3 14.1 21.1





#79
 Terphenyl-d14
 Concen: 86.529 ng
 RT: 19.980 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BP021499.D
 Acq: 14 Aug 2024 14:13

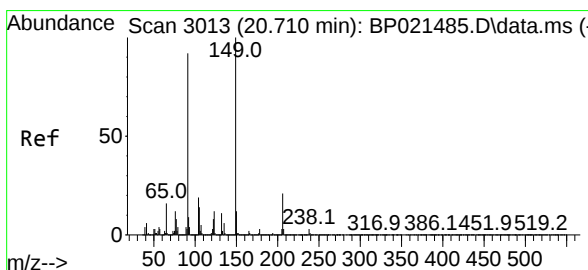
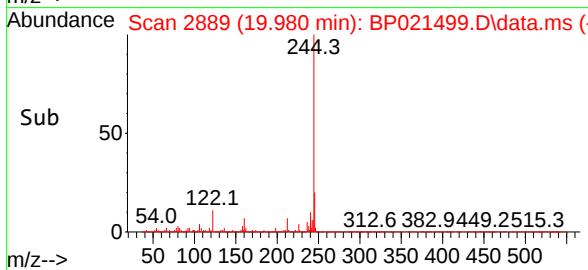
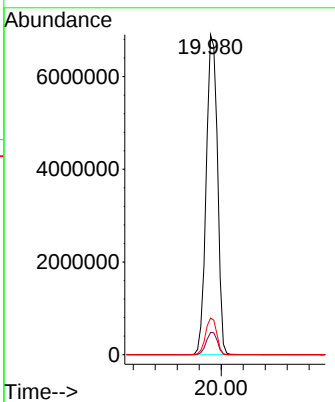
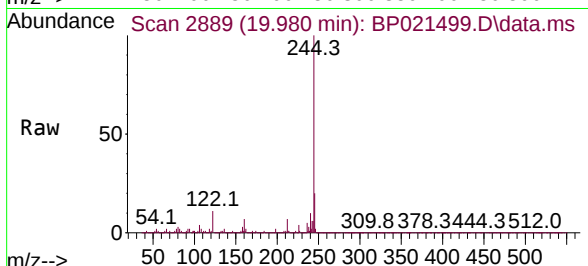
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT3-2024

Tgt Ion:244 Resp: 979256

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.4	9.4	14.2

Manual Integrations
 APPROVED

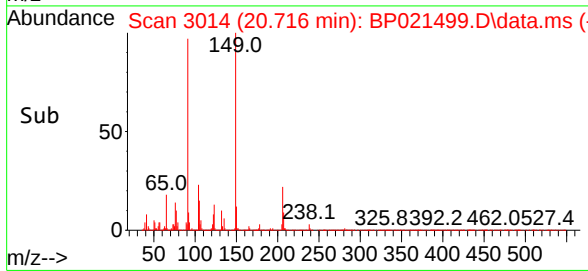
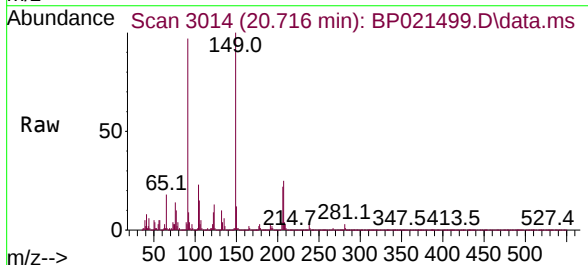
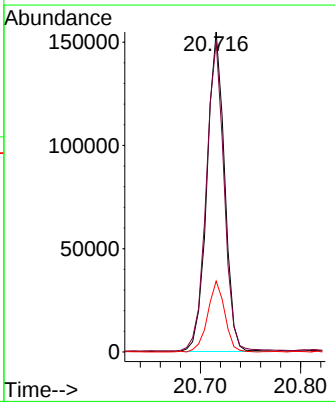
Reviewed By :Jagrut Upadhyay 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

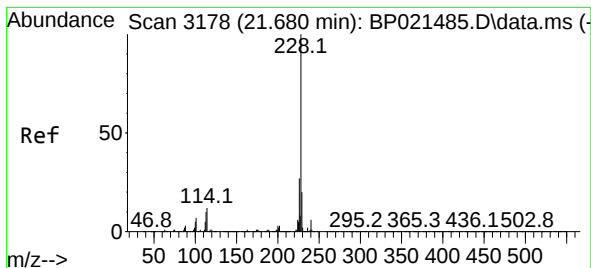


#80
 Butylbenzylphthalate
 Concen: 3.933 ng
 RT: 20.716 min Scan# 3014
 Delta R.T. 0.006 min
 Lab File: BP021499.D
 Acq: 14 Aug 2024 14:13

Tgt Ion:149 Resp: 189057

Ion	Ratio	Lower	Upper
149	100		
91	96.9	73.3	109.9
206	22.1	17.1	25.7





#81

Benzo(a)anthracene

Concen: 5.268 ng

RT: 21.680 min Scan# 3178

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

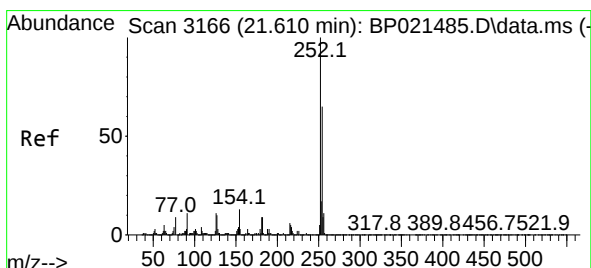
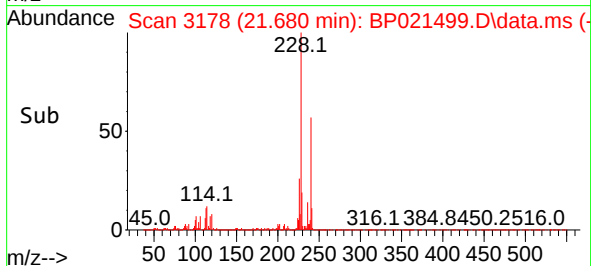
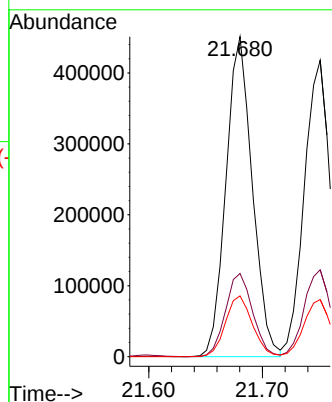
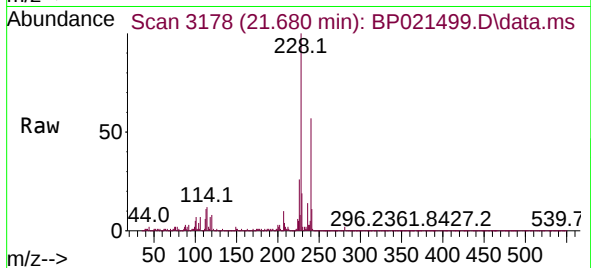
LOQ-SOIL-02-QT3-2024

Tgt Ion:	228	Resp:	72704
Ion Ratio	Lower	Upper	
228	100		
226	26.0	21.4	32.2
229	19.0	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#82

3,3'-Dichlorobenzidine

Concen: 5.000 ng

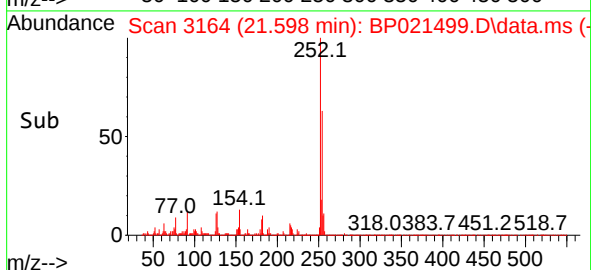
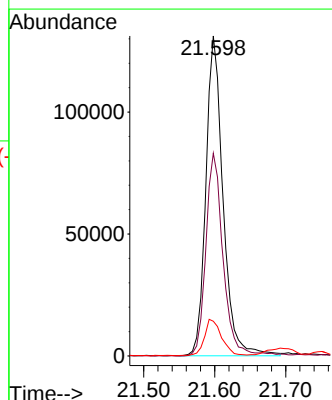
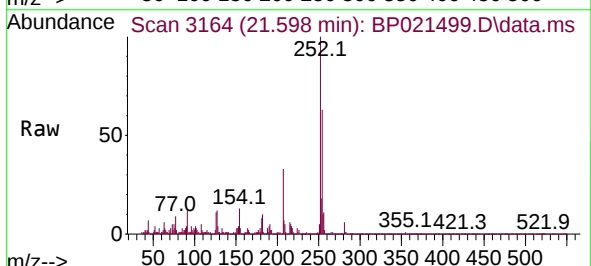
RT: 21.598 min Scan# 3164

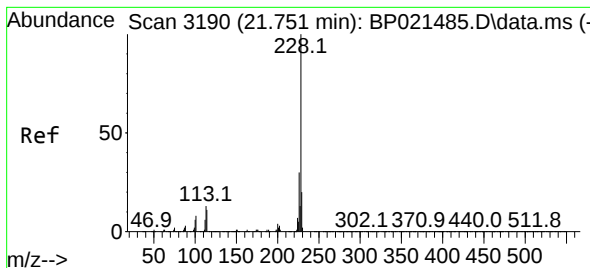
Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:	252	Resp:	221281
Ion Ratio	Lower	Upper	
252	100		
254	63.4	51.7	77.5
126	10.9	8.7	13.1





#83

Chrysene

Concen: 5.209 ng

RT: 21.751 min Scan# 3190

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

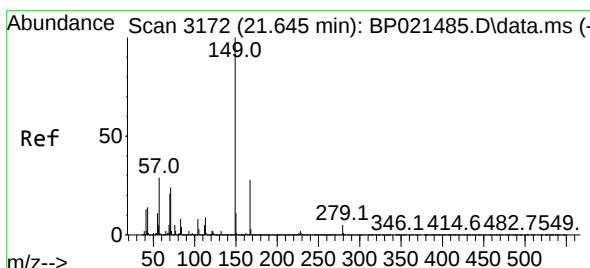
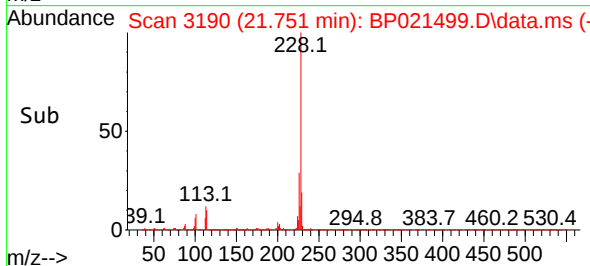
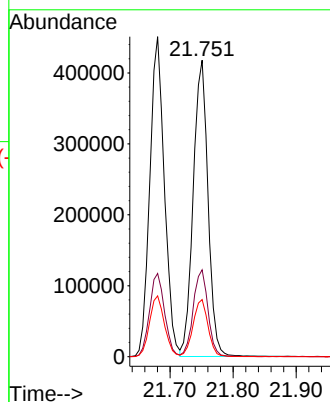
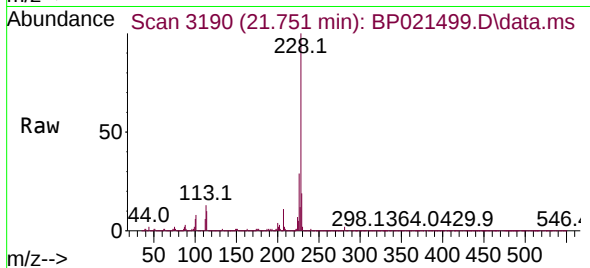
LOQ-SOIL-02-QT3-2024

Tgt Ion:	228	Resp:	678779
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.9	35.9
229	19.3	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.603 ng

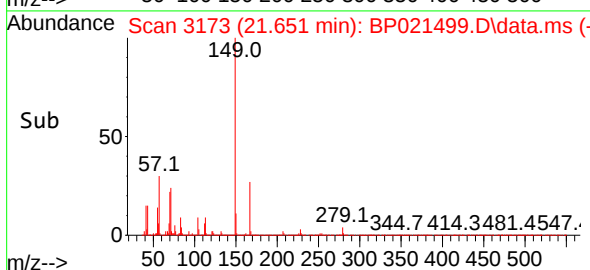
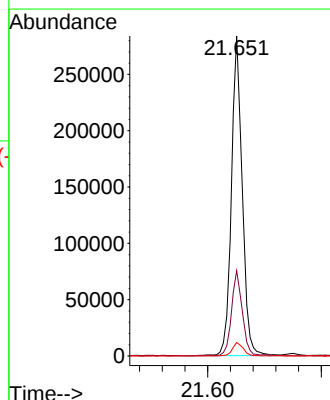
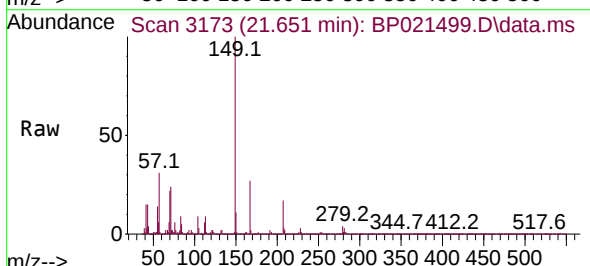
RT: 21.651 min Scan# 3173

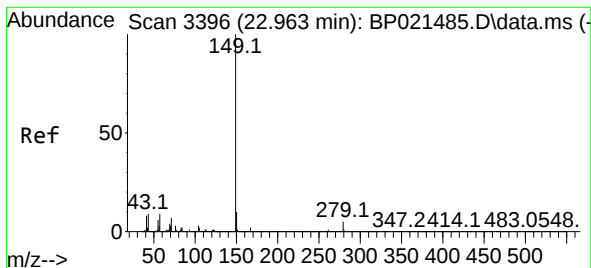
Delta R.T. 0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:	149	Resp:	375490
Ion Ratio	Lower	Upper	
149	100		
167	26.6	22.3	33.5
279	4.2	3.8	5.6





#85

Di-n-octyl phthalate

Concen: 7.738 ng

RT: 22.963 min Scan# 3396

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

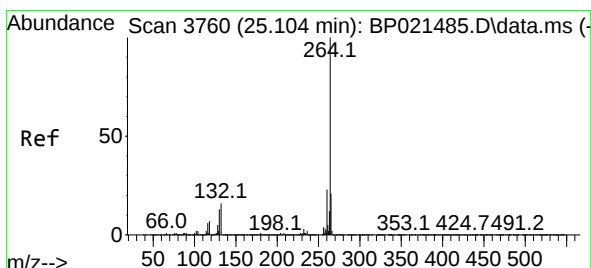
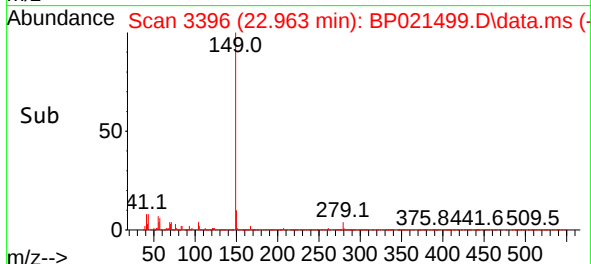
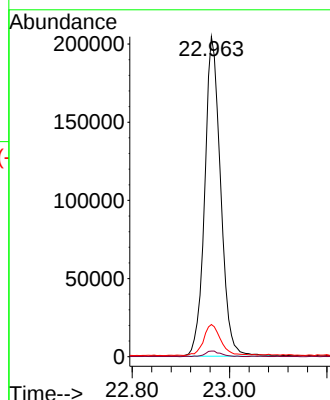
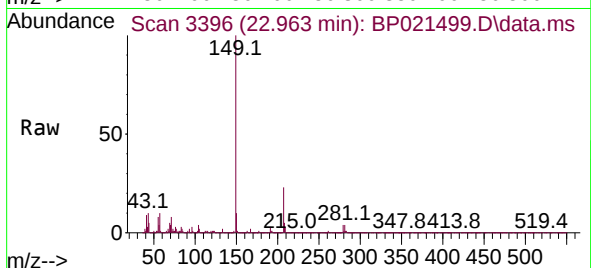
Tgt Ion:149 Resp: 46247

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.3	1.9
43	10.4	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.115 min Scan# 3762

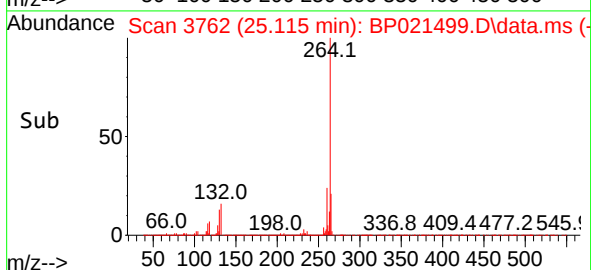
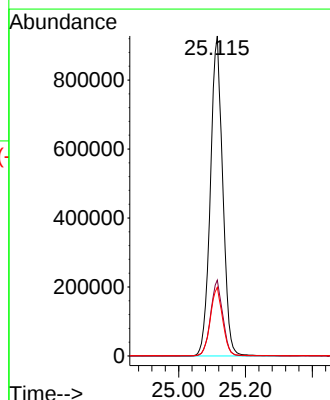
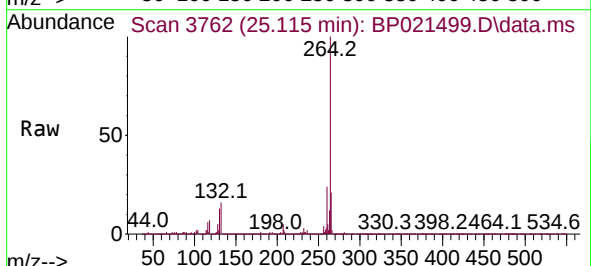
Delta R.T. 0.012 min

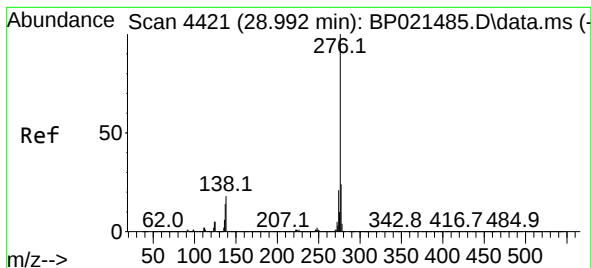
Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:264 Resp: 2373794

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.4	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.821 ng m

RT: 28.962 min Scan# 4421

Delta R.T. -0.029 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

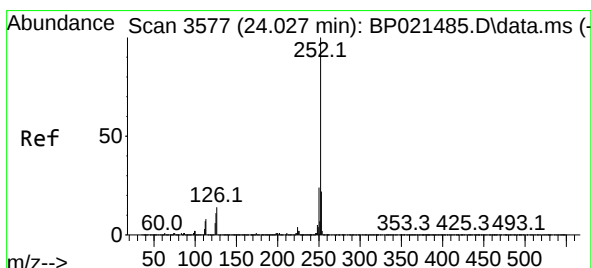
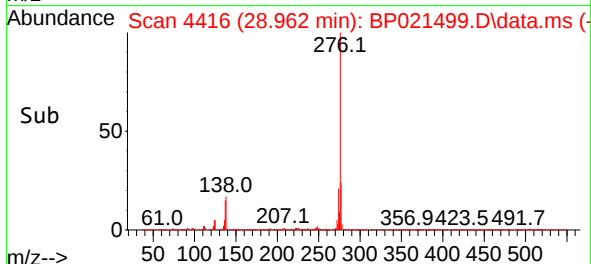
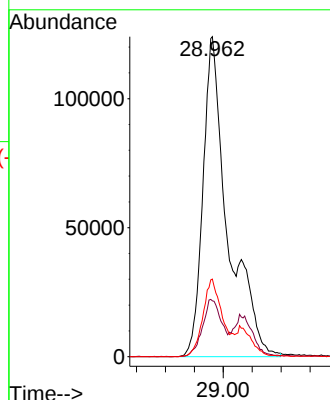
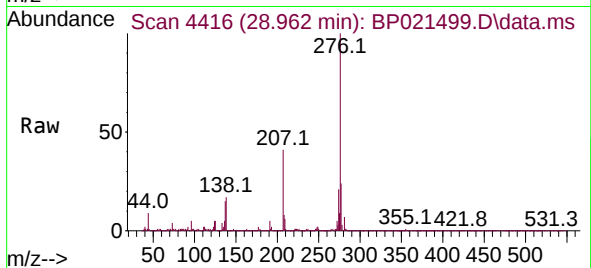
LOQ-SOIL-02-QT3-2024

Tgt Ion:	276	Resp:	741750
Ion Ratio	Lower	Upper	
276	100		
138	13.7	12.8	19.2
277	18.4	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#88

Benzo(b)fluoranthene

Concen: 4.803 ng

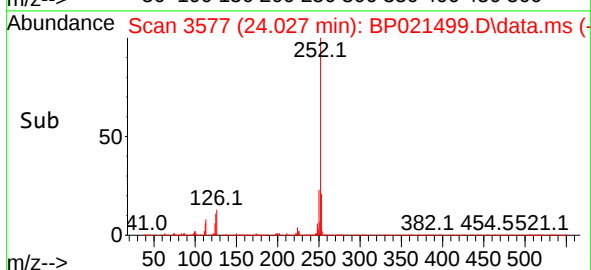
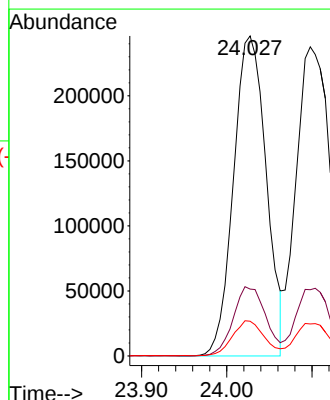
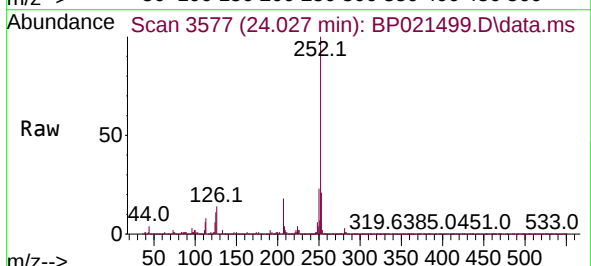
RT: 24.027 min Scan# 3577

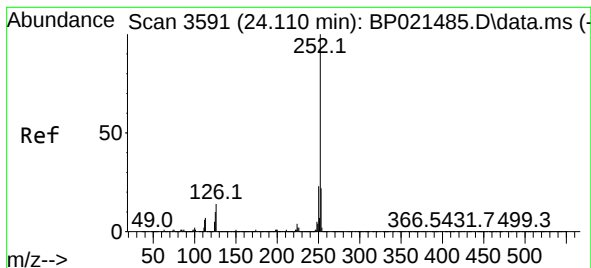
Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:	252	Resp:	654850
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.6	26.4
125	10.9	8.6	13.0





#89

Benzo(k)fluoranthene

Concen: 5.023 ng

RT: 24.098 min Scan# 3589

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

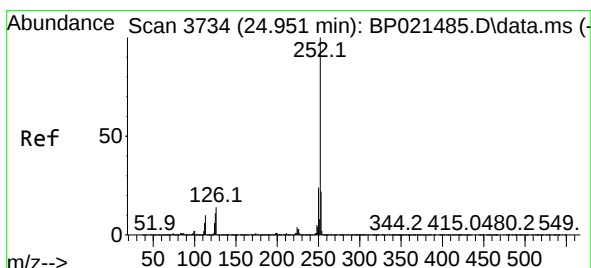
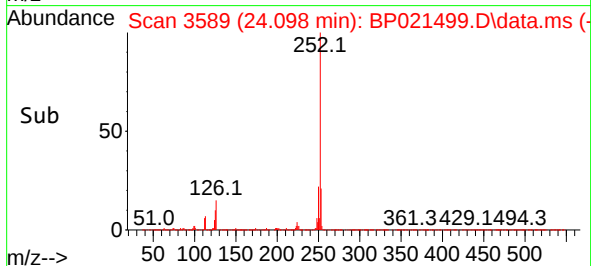
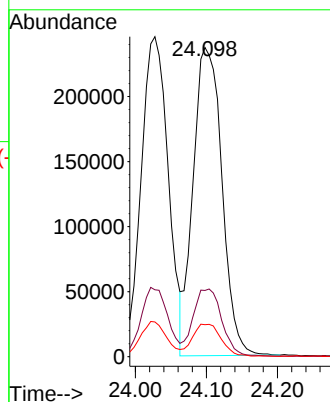
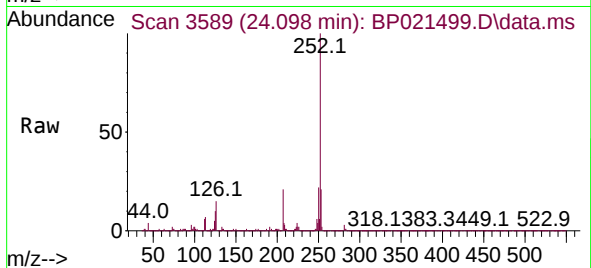
LOQ-SOIL-02-QT3-2024

Tgt Ion:	252	Resp:	668010
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.5	26.3
125	10.3	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#90

Benzo(a)pyrene

Concen: 4.959 ng

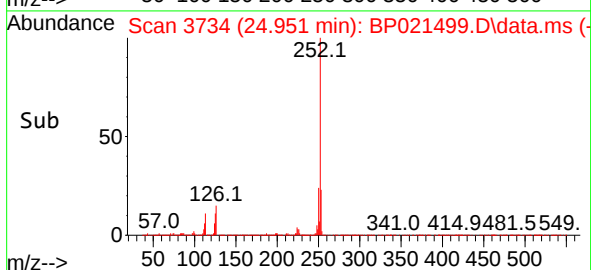
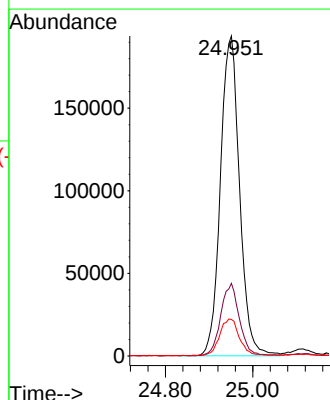
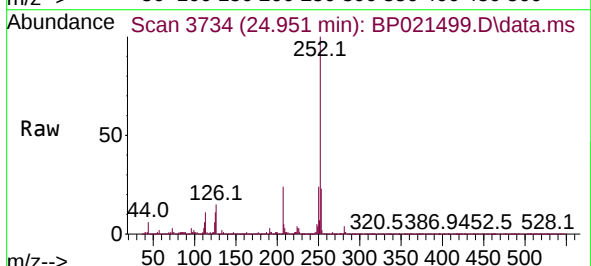
RT: 24.951 min Scan# 3734

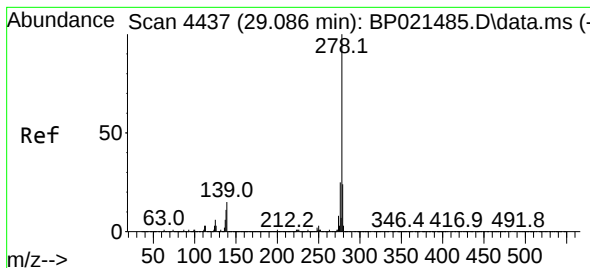
Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:	252	Resp:	586732
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	11.4	8.7	13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.743 ng

RT: 29.068 min Scan# 4437

Delta R.T. -0.018 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA_P

ClientSampleId :

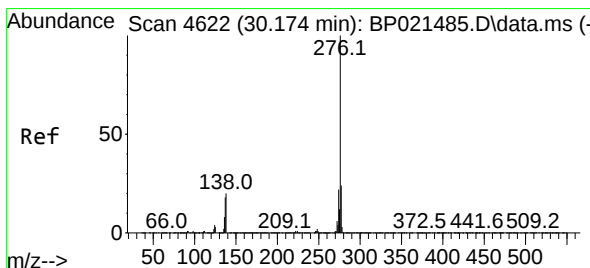
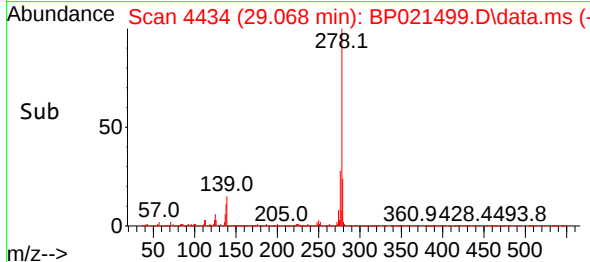
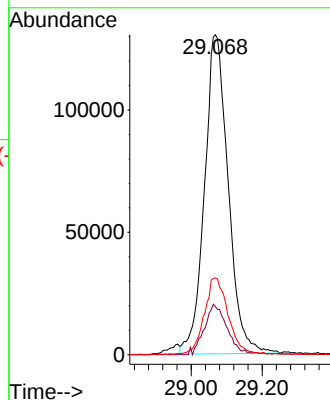
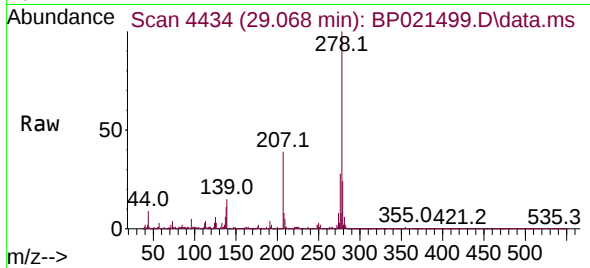
LOQ-SOIL-02-QT3-2024

Tgt Ion:	278	Resp:	606424
Ion Ratio	Lower	Upper	
278	100		
139	15.0	12.2	18.4
279	24.0	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#92

Benzo(g,h,i)perylene

Concen: 4.702 ng

RT: 30.151 min Scan# 4618

Delta R.T. -0.024 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:	276	Resp:	602527
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.6
138	22.1	16.0	24.0

