

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092024\
 Data File : BP021967.D
 Acq On : 20 Sep 2024 14:47
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ--SOIL 10 ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 20 15:19:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	83571	20.000	ng	0.00
21) Naphthalene-d8	10.469	136	314331	20.000	ng	0.00
39) Acenaphthene-d10	14.322	164	224699	20.000	ng	0.00
64) Phenanthrene-d10	17.122	188	536509	20.000	ng	-0.02
76) Chrysene-d12	21.557	240	642535	20.000	ng	0.00
86) Perylene-d12	24.857	264	758204	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	446625	100.433	ng	0.00
7) Phenol-d6	6.893	99	559235	96.871	ng	0.00
23) Nitrobenzene-d5	8.846	82	433470	72.969	ng	-0.01
42) 2,4,6-Tribromophenol	15.840	330	439411	105.484	ng	-0.02
45) 2-Fluorobiphenyl	12.934	172	1131618	73.516	ng	0.00
79) Terphenyl-d14	19.845	244	2321473	67.869	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	16376	8.868	ng	96
3) Pyridine	3.658	79	36267	7.364	ng	96
4) n-Nitrosodimethylamine	3.564	42	21964	8.454	ng	# 99
6) Aniline	7.046	93	50503	9.955	ng	98
8) 2-Chlorophenol	7.281	128	41203	8.665	ng	94
9) Benzaldehyde	6.864	77	37229m	12.333	ng	
10) Phenol	6.916	94	48198	8.406	ng	98
11) bis(2-Chloroethyl)ether	7.134	93	36720	8.502	ng	97
12) 1,3-Dichlorobenzene	7.605	146	49730	8.284	ng	98
13) 1,4-Dichlorobenzene	7.746	146	52328	8.595	ng	97
14) 1,2-Dichlorobenzene	8.058	146	49328	8.441	ng	99
15) Benzyl Alcohol	7.946	79	36761	8.303	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.228	45	42009	9.119	ng	97
17) 2-Methylphenol	8.146	107	31515	8.136	ng	96
18) Hexachloroethane	8.781	117	19000	8.487	ng	94
19) n-Nitroso-di-n-propyla...	8.505	70	32097	8.945	ng	98
20) 3+4-Methylphenols	8.469	107	43979	8.043	ng	96
22) Acetophenone	8.516	105	68872	8.982	ng	# 95
24) Nitrobenzene	8.893	77	53196	8.818	ng	98
25) Isophorone	9.416	82	83056	8.480	ng	99
26) 2-Nitrophenol	9.593	139	19956	7.566	ng	95
27) 2,4-Dimethylphenol	9.658	122	25090	8.215	ng	97
28) bis(2-Chloroethoxy)met...	9.887	93	50878	8.664	ng	96
29) 2,4-Dichlorophenol	10.128	162	41493	8.004	ng	95
30) 1,2,4-Trichlorobenzene	10.340	180	52881	8.189	ng	95
31) Naphthalene	10.522	128	134875	8.599	ng	98
32) Benzoic acid	9.734	122	22066m	6.180	ng	
33) 4-Chloroaniline	10.628	127	50835	8.986	ng	94
34) Hexachlorobutadiene	10.810	225	40377	7.993	ng	99
35) Caprolactam	11.399	113	11025	7.146	ng	97
36) 4-Chloro-3-methylphenol	11.752	107	44268	7.959	ng	95
37) 2-Methylnaphthalene	12.128	142	95161	8.293	ng	99
38) 1-Methylnaphthalene	12.346	142	89973	7.941	ng	96
40) 1,2,4,5-Tetrachloroben...	12.504	216	69738	8.871	ng	98
41) Hexachlorocyclopentadiene	12.487	237	28985	9.923	ng	99
43) 2,4,6-Trichlorophenol	12.740	196	37333	7.737	ng	96

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 Misc : LOQ--SOIL 10 ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

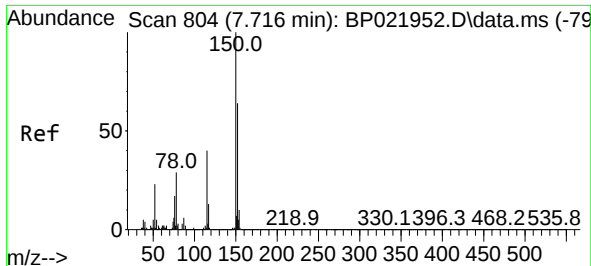
Quant Time: Sep 20 15:19:22 2024
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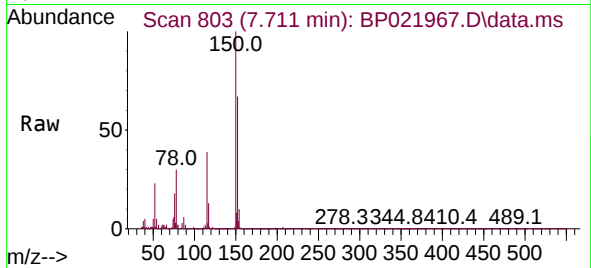
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44) 2,4,5-Trichlorophenol	12.816	196	41502	7.667	ng	95
46) 1,1'-Biphenyl	13.151	154	136298	8.896	ng	98
47) 2-Chloronaphthalene	13.187	162	105038	8.479	ng	97
48) 2-Nitroaniline	13.393	65	25137	7.431	ng	93
49) Acenaphthylene	14.040	152	160008	9.153	ng	99
50) Dimethylphthalate	13.775	163	140814	8.641	ng	99
51) 2,6-Dinitrotoluene	13.893	165	28189	7.762	ng	90
52) Acenaphthene	14.387	154	94674	8.322	ng	99
53) 3-Nitroaniline	14.222	138	25002	7.725	ng	100
54) 2,4-Dinitrophenol	14.434	184	13280	6.241	ng	96
55) Dibenzofuran	14.728	168	171431	8.965	ng	97
56) 4-Nitrophenol	14.551	139	20119	7.142	ng	98
57) 2,4-Dinitrotoluene	14.687	165	38078	7.417	ng	# 97
58) Fluorene	15.381	166	134593	8.428	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.957	232	43153	8.261	ng	100
60) Diethylphthalate	15.163	149	137325	8.292	ng	98
61) 4-Chlorophenyl-phenyle...	15.381	204	77490	8.335	ng	96
62) 4-Nitroaniline	15.398	138	27777	7.805	ng	94
63) Azobenzene	15.681	77	119440	8.715	ng	100
65) 4,6-Dinitro-2-methylph...	15.463	198	22458	7.222	ng	87
66) n-Nitrosodiphenylamine	15.598	169	119012	8.909	ng	97
67) 4-Bromophenyl-phenylether	16.298	248	52733	8.432	ng	95
68) Hexachlorobenzene	16.410	284	66597	8.541	ng	95
69) Atrazine	16.581	200	49243	10.288	ng	96
70) Pentachlorophenol	16.763	266	36482	6.954	ng	98
71) Phenanthrene	17.163	178	228640	8.878	ng	99
72) Anthracene	17.263	178	224202	8.993	ng	99
73) Carbazole	17.539	167	207054	8.599	ng	100
74) Di-n-butylphthalate	18.134	149	218659	7.732	ng	99
75) Fluoranthene	19.251	202	297451	8.275	ng	99
77) Benzidine	19.445	184	134882	17.178	ng	98
78) Pyrene	19.628	202	309442	7.961	ng	100
80) Butylbenzylphthalate	20.580	149	102767	7.413	ng	97
81) Benzo(a)anthracene	21.539	228	357710	8.664	ng	100
82) 3,3'-Dichlorobenzidine	21.463	252	123492	8.244	ng	98
83) Chrysene	21.604	228	337471	8.681	ng	99
84) Bis(2-ethylhexyl)phtha...	21.480	149	150934	7.418	ng	99
85) Di-n-octyl phthalate	22.733	149	236795	6.852	ng	100
87) Indeno(1,2,3-cd)pyrene	28.574	276	434760m	8.621	ng	
88) Benzo(b)fluoranthene	23.798	252	360531	8.040	ng	99
89) Benzo(k)fluoranthene	23.869	252	369409	8.705	ng	99
90) Benzo(a)pyrene	24.692	252	330784	8.563	ng	98
91) Dibenzo(a,h)anthracene	28.657	278	354436	8.516	ng	98
92) Benzo(g,h,i)perylene	29.727	276	338823	7.947	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 804
Delta R.T. -0.005 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

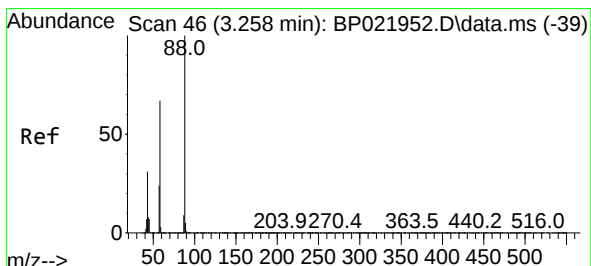
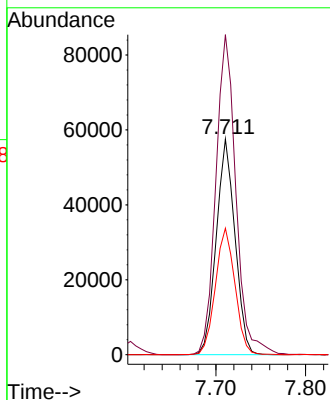
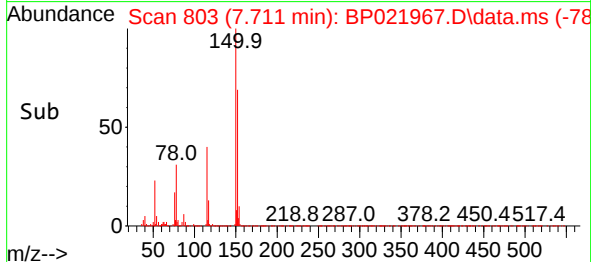
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 152 Resp: 8357
Ion Ratio Lower Upper
152 100
150 148.3 124.2 186.2
115 58.6 49.2 73.8

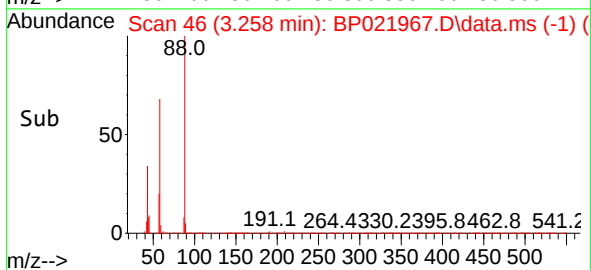
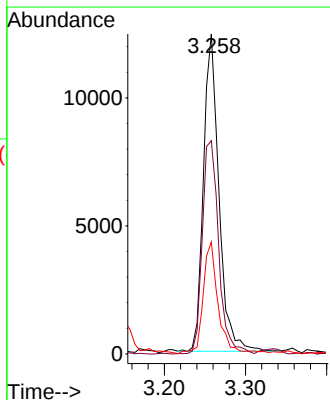
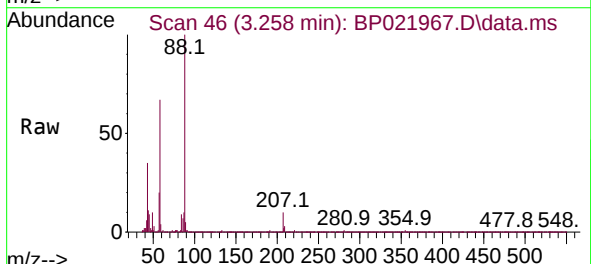
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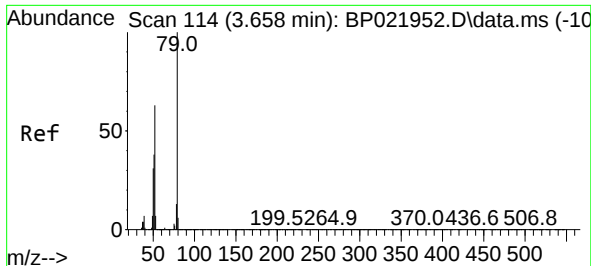
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#2
1,4-Dioxane
Concen: 8.868 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

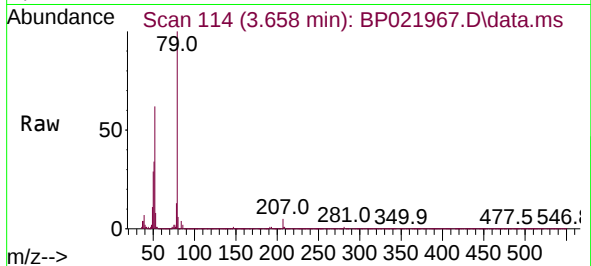
Tgt Ion: 88 Resp: 16376
Ion Ratio Lower Upper
88 100
58 71.0 53.8 80.6
43 33.3 25.2 37.8





#3
Pyridine
Concen: 7.364 ng
RT: 3.658 min Scan# 114
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

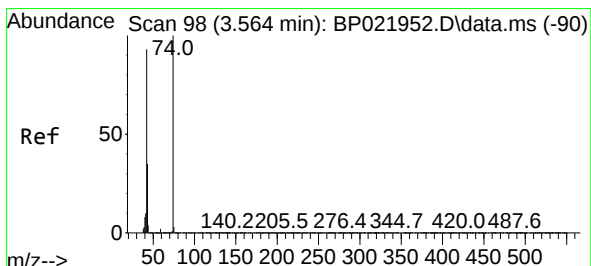
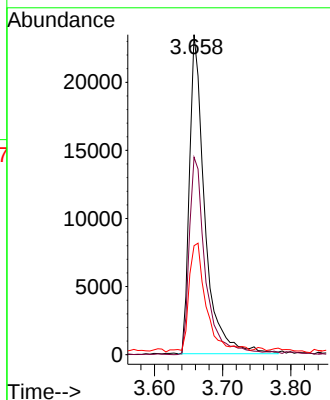
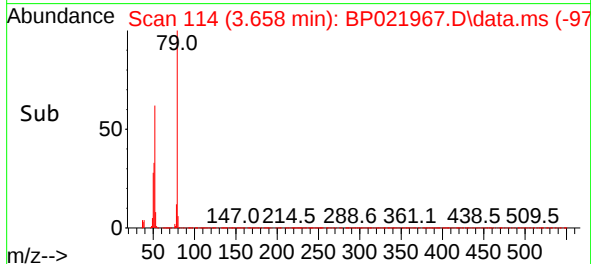
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



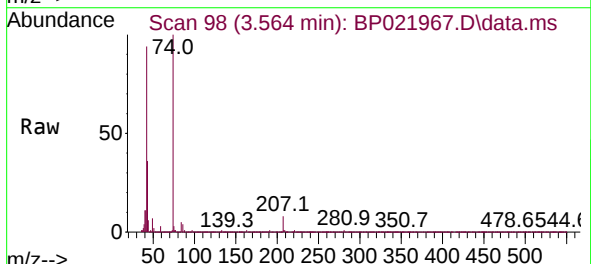
Tgt Ion: 79 Resp: 3626
Ion Ratio Lower Upper
79 100
52 61.7 50.3 75.5
51 34.0 30.9 46.3

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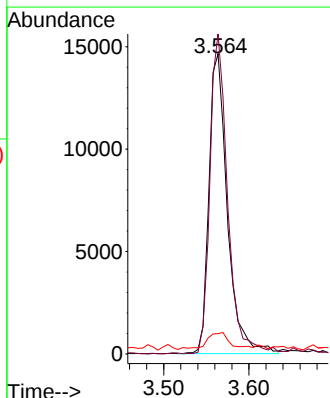
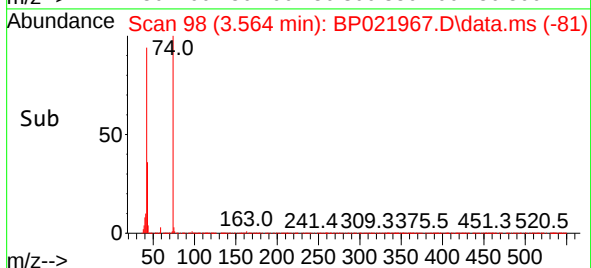
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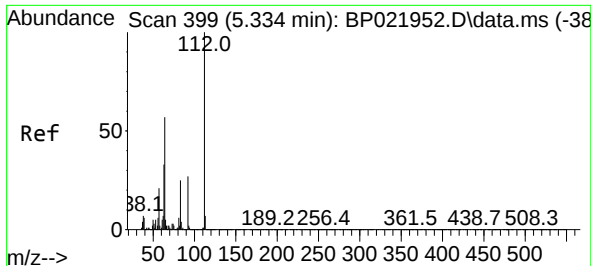


#4
n-Nitrosodimethylamine
Concen: 8.454 ng
RT: 3.564 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47



Tgt Ion: 42 Resp: 21964
Ion Ratio Lower Upper
42 100
74 106.6 86.3 129.5
44 6.8 4.0 6.0





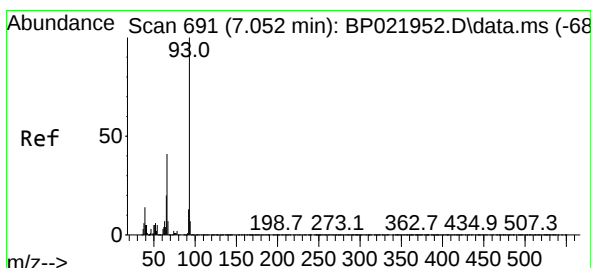
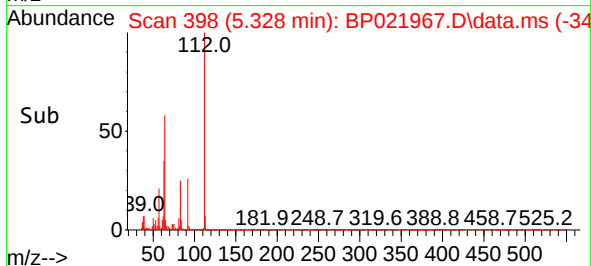
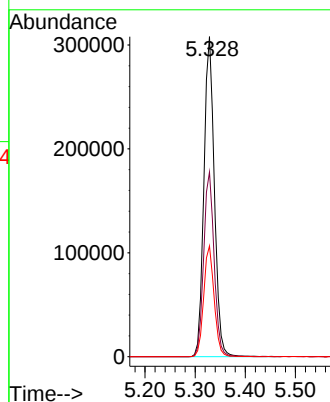
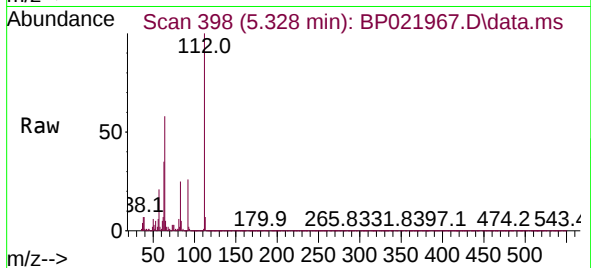
#5
2-Fluorophenol
Concen: 100.433 ng
RT: 5.328 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:112 Resp: 446625
Ion Ratio Lower Upper
112 100
64 57.7 45.4 68.0
63 34.6 26.6 39.8

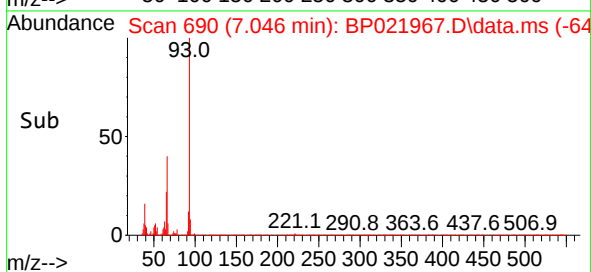
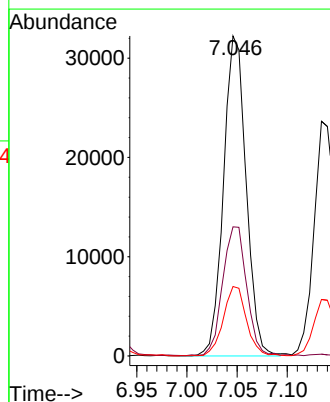
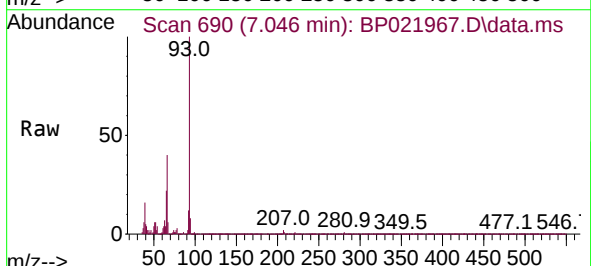
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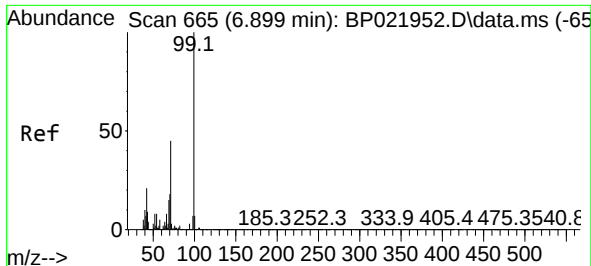
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#6
Aniline
Concen: 9.955 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

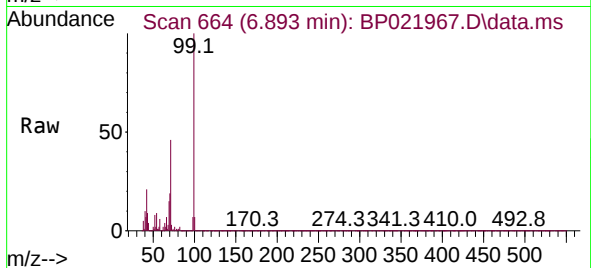
Tgt Ion: 93 Resp: 50503
Ion Ratio Lower Upper
93 100
66 40.4 33.0 49.4
65 21.7 16.1 24.1





#7
Phenol-d6
Concen: 96.871 ng
RT: 6.893 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

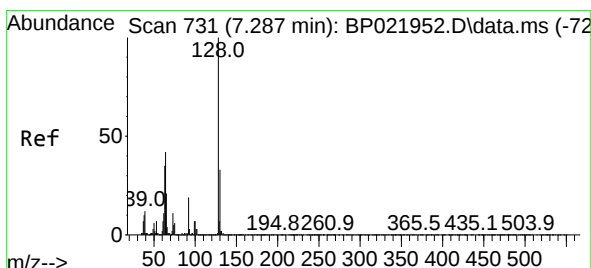
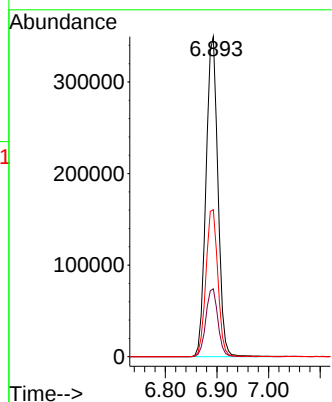
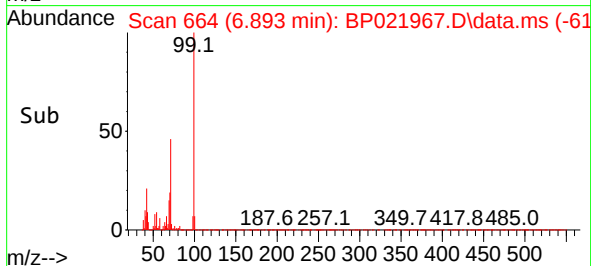
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 99 Resp: 55923
Ion Ratio Lower Upper
99 100
42 21.2 16.8 25.2
71 45.9 35.8 53.6

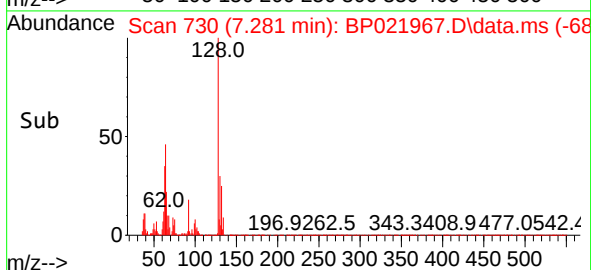
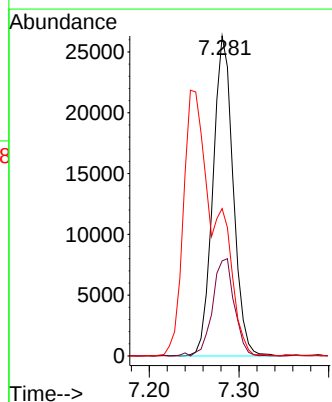
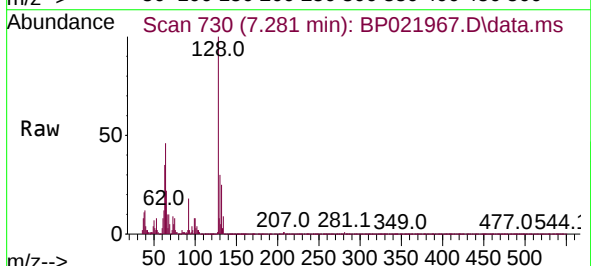
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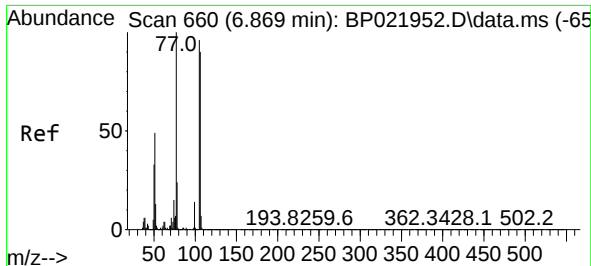
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#8
2-Chlorophenol
Concen: 8.665 ng
RT: 7.281 min Scan# 730
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:128 Resp: 41203
Ion Ratio Lower Upper
128 100
130 29.7 13.1 53.1
64 46.0 22.1 62.1





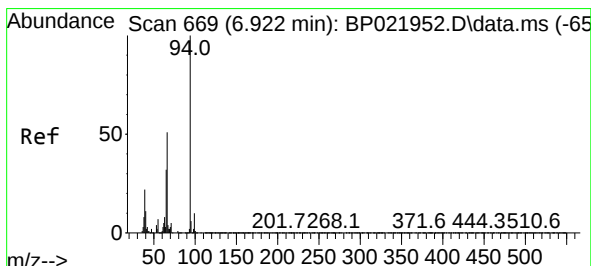
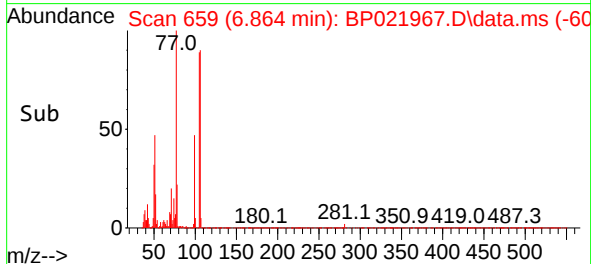
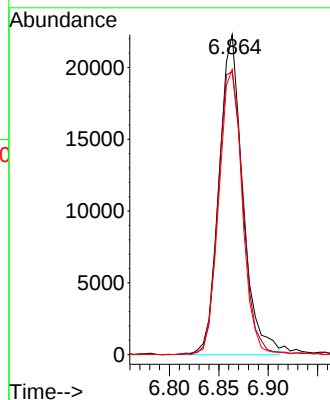
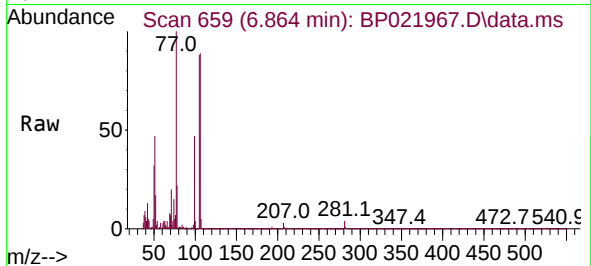
#9
Benzaldehyde
Concen: 12.333 ng m
RT: 6.864 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 37229
Ion Ratio Lower Upper
77 100
105 88.4 76.1 116.1
106 89.1 69.9 109.9

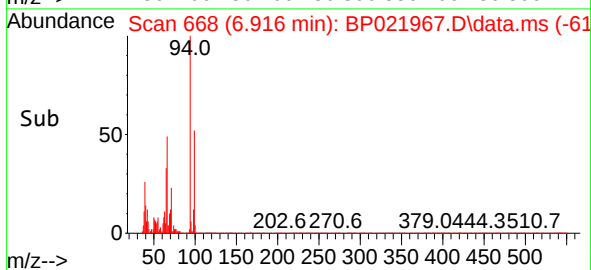
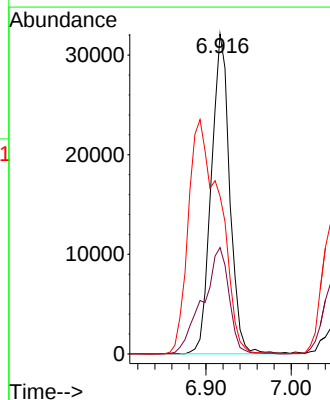
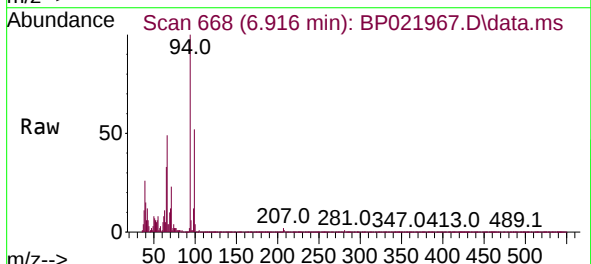
Manual Integrations
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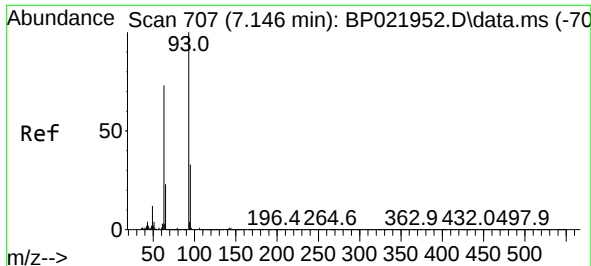
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#10
Phenol
Concen: 8.406 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

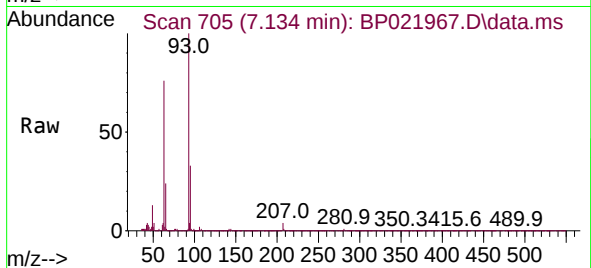
Tgt Ion: 94 Resp: 48198
Ion Ratio Lower Upper
94 100
65 33.3 12.5 52.5
66 49.3 31.2 71.2





#11
bis(2-Chloroethyl)ether
Concen: 8.502 ng
RT: 7.134 min Scan# 707
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

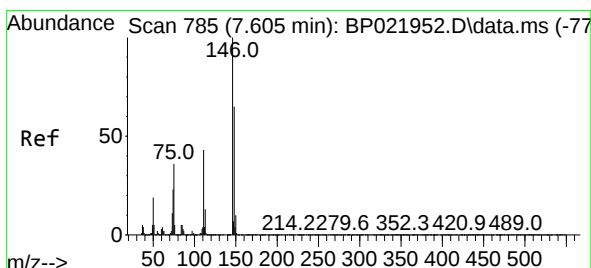
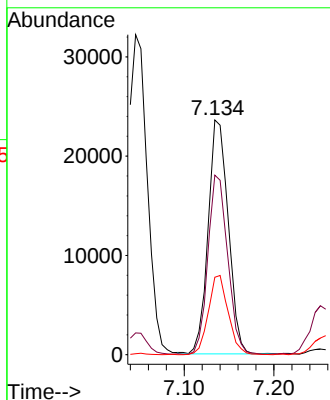
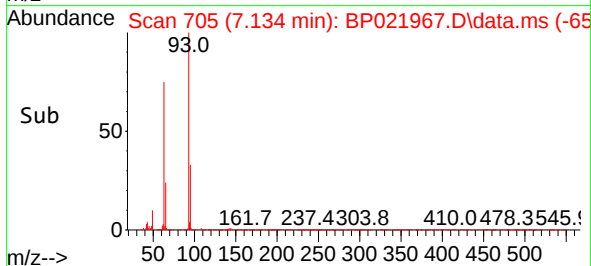
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 93 Resp: 36720
Ion Ratio Lower Upper
93 100
63 76.5 53.0 93.0
95 33.0 12.4 52.4

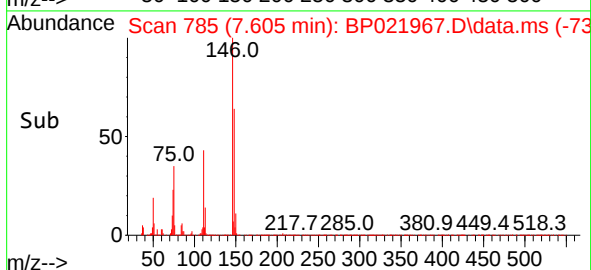
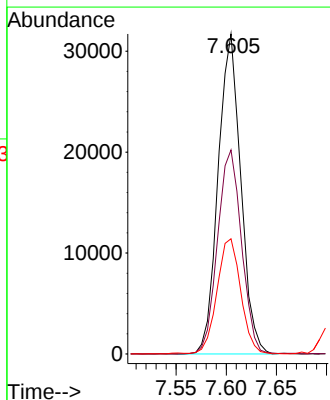
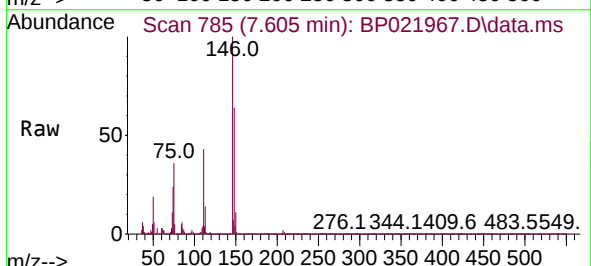
Manual Integrations
APPROVED

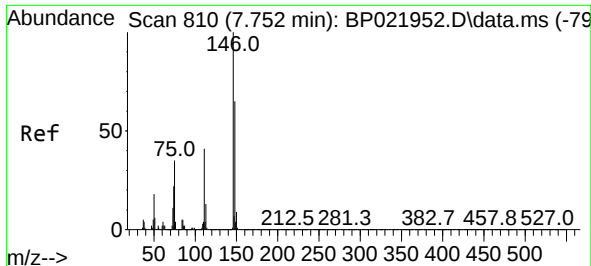
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#12
1,3-Dichlorobenzene
Concen: 8.284 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:146 Resp: 49730
Ion Ratio Lower Upper
146 100
148 63.8 52.3 78.5
75 36.0 29.0 43.6





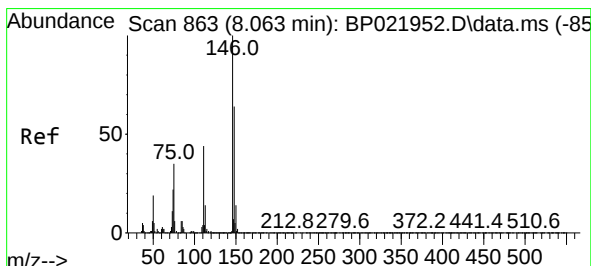
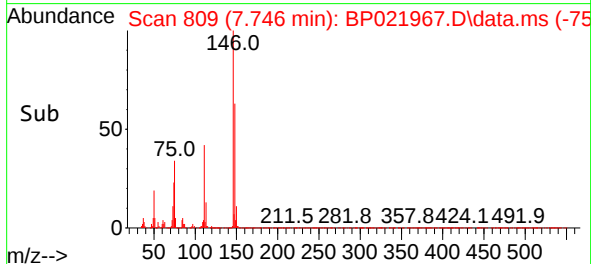
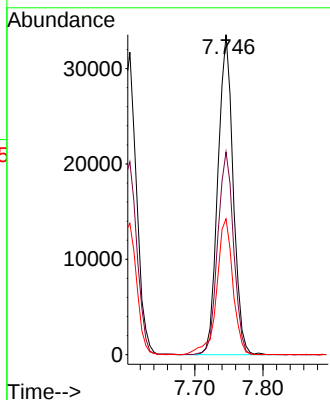
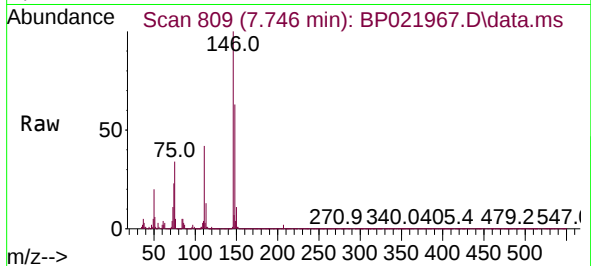
#13
1,4-Dichlorobenzene
Concen: 8.595 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:146 Resp: 52328
Ion Ratio Lower Upper
146 100
148 63.4 52.2 78.4
111 42.4 32.6 48.8

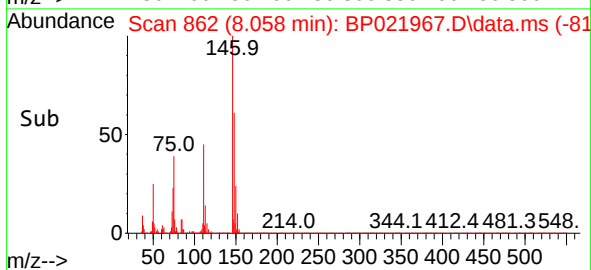
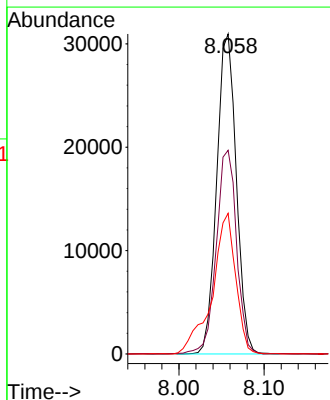
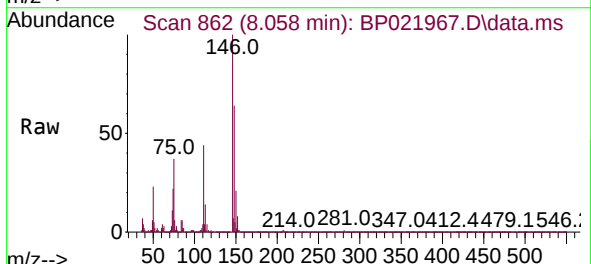
Manual Integrations
APPROVED

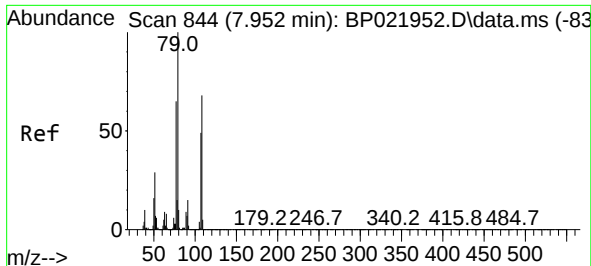
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#14
1,2-Dichlorobenzene
Concen: 8.441 ng
RT: 8.058 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:146 Resp: 49328
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
111 43.9 35.6 53.4





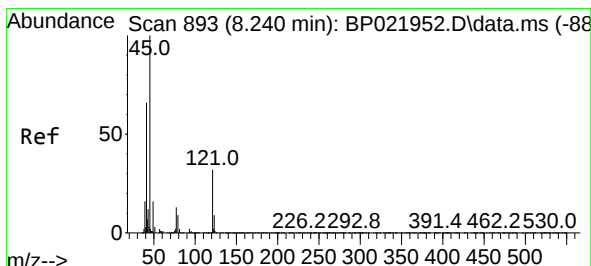
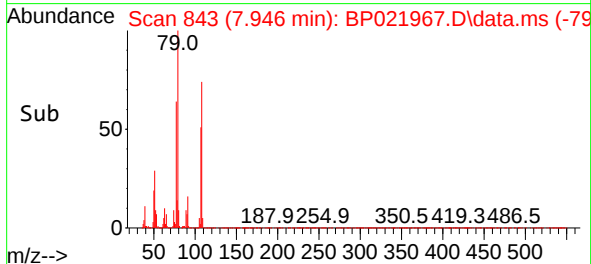
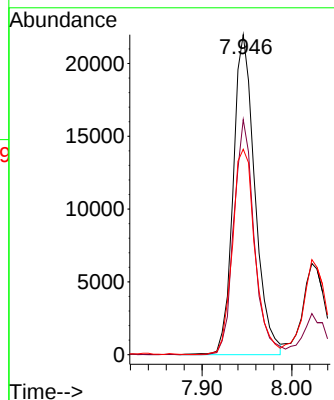
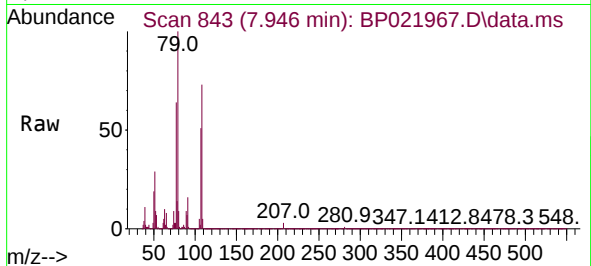
#15
Benzyl Alcohol
Concen: 8.303 ng
RT: 7.946 min Scan# 844
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 79 Resp: 3676
Ion Ratio Lower Upper
79 100
108 73.5 54.7 82.1
77 64.2 51.8 77.8

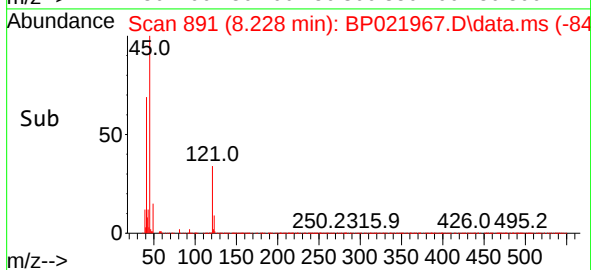
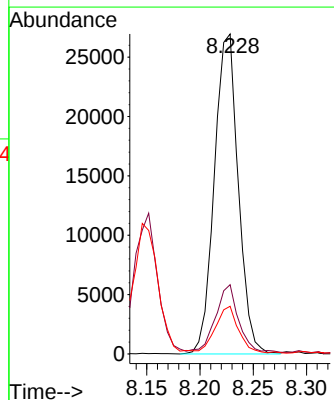
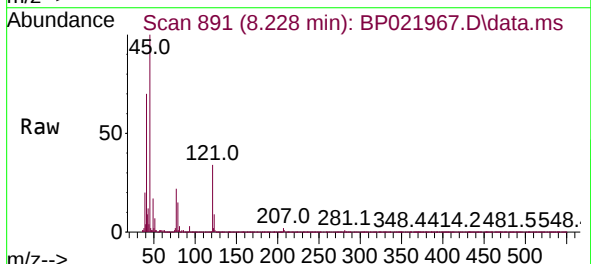
Manual Integrations
APPROVED

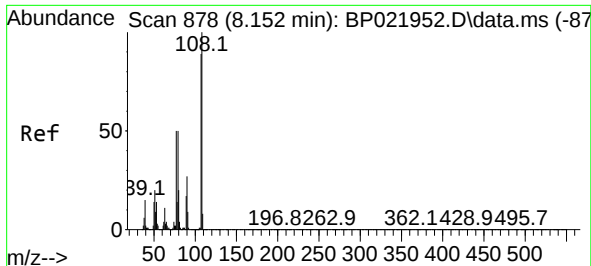
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.119 ng
RT: 8.228 min Scan# 891
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion: 45 Resp: 42009
Ion Ratio Lower Upper
45 100
77 21.7 0.0 39.5
79 14.9 0.0 34.9





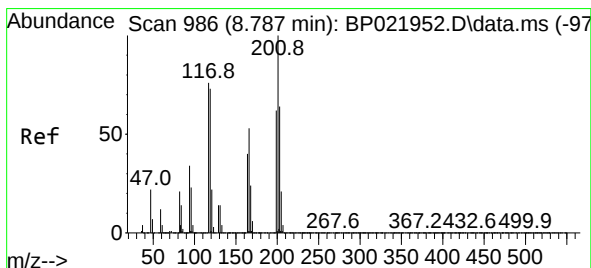
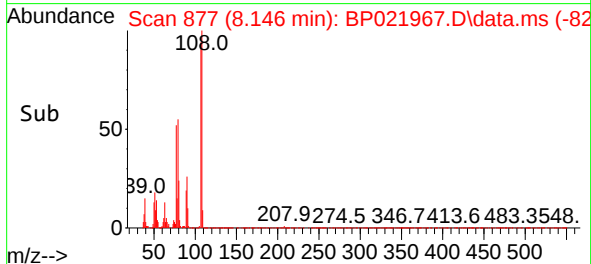
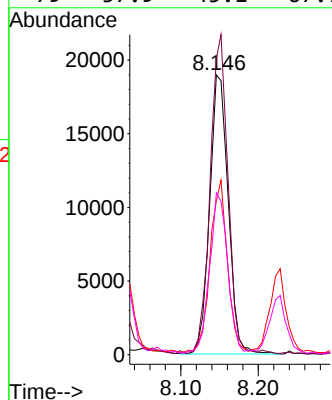
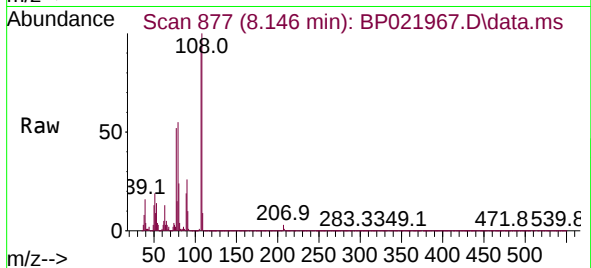
#17
2-Methylphenol
Concen: 8.136 ng
RT: 8.146 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:	107	Resp:	3151
Ion	Ratio	Lower	Upper
107	100		
108	105.9	90.3	135.5
77	54.9	45.1	67.7
79	57.9	45.1	67.7

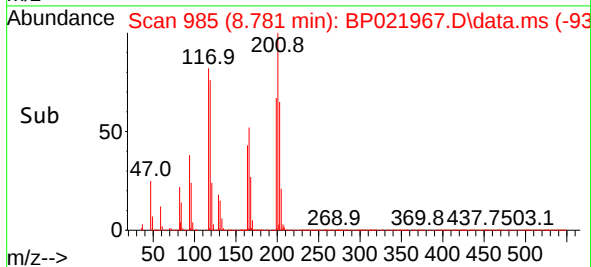
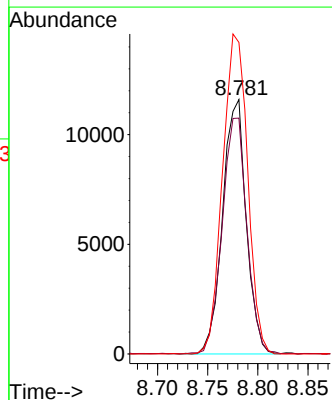
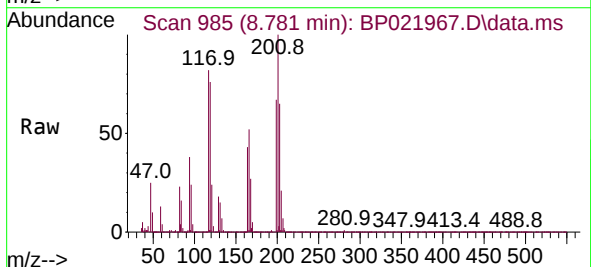
Manual Integrations
APPROVED

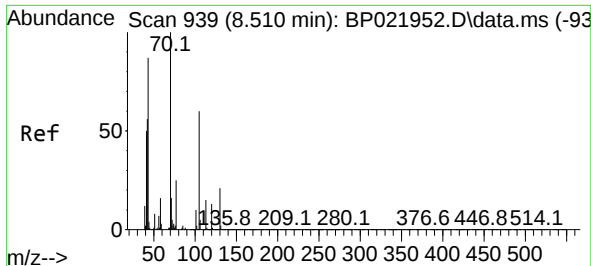
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#18
Hexachloroethane
Concen: 8.487 ng
RT: 8.781 min Scan# 985
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

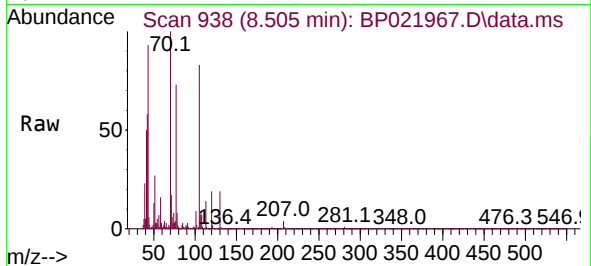
Tgt Ion:	117	Resp:	19000
Ion	Ratio	Lower	Upper
117	100		
119	92.7	77.0	115.4
201	122.4	105.6	158.4





#19
n-Nitroso-di-n-propylamine
Concen: 8.945 ng
RT: 8.505 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

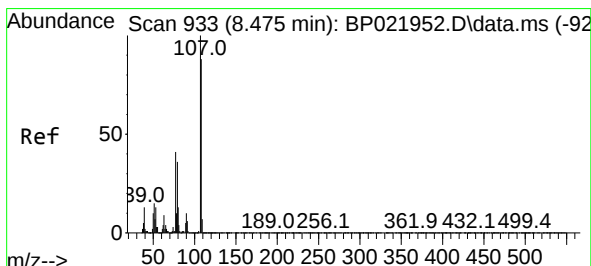
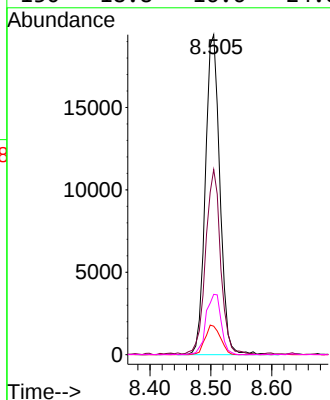
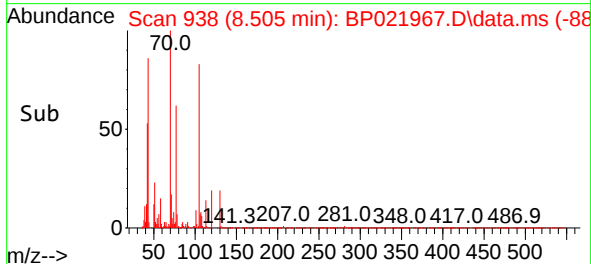
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 70 Resp: 3209
Ion Ratio Lower Upper
70 100
42 57.8 45.2 67.8
101 8.9 7.8 11.6
130 18.8 16.6 24.8

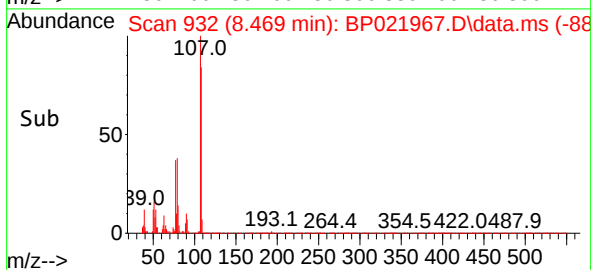
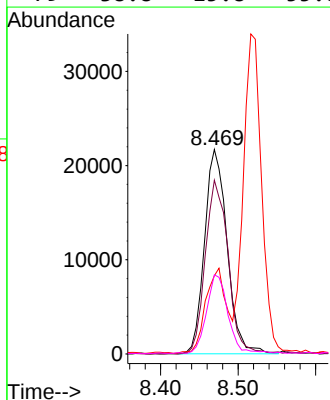
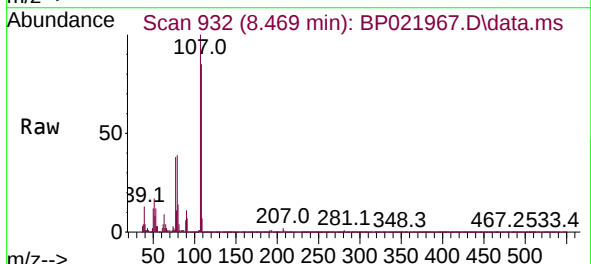
Manual Integrations
APPROVED

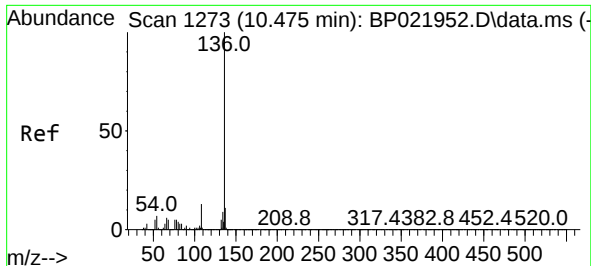
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#20
3+4-Methylphenols
Concen: 8.043 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

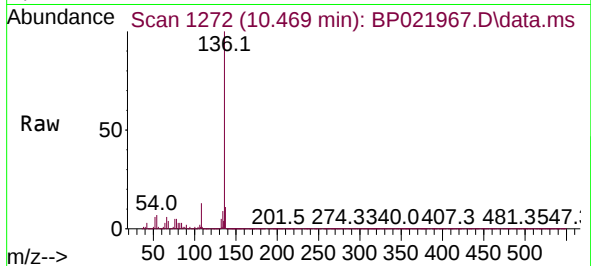
Tgt Ion:107 Resp: 43979
Ion Ratio Lower Upper
107 100
108 85.0 68.3 108.3
77 38.3 20.6 60.6
79 38.8 15.8 55.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

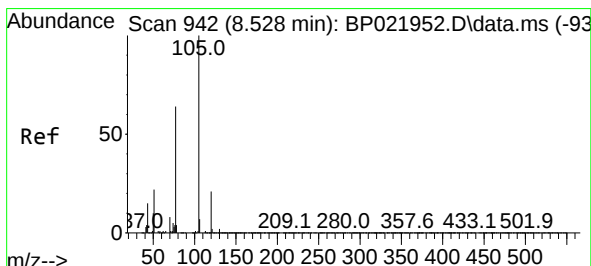
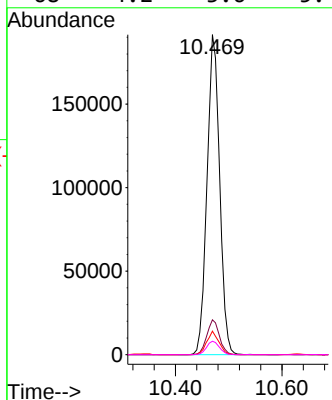
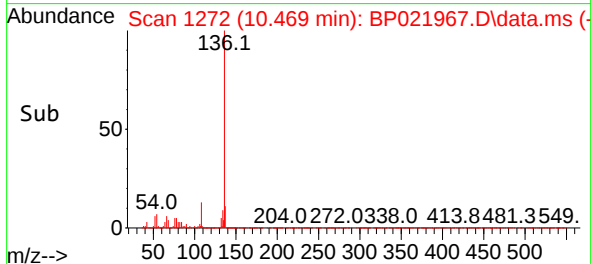
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:136 Resp: 31433
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.4 5.5 8.3
68 4.2 3.6 5.4

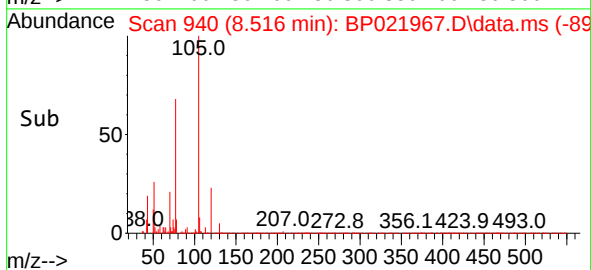
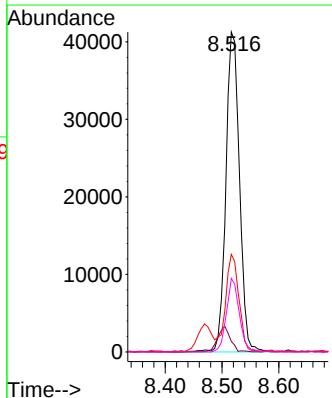
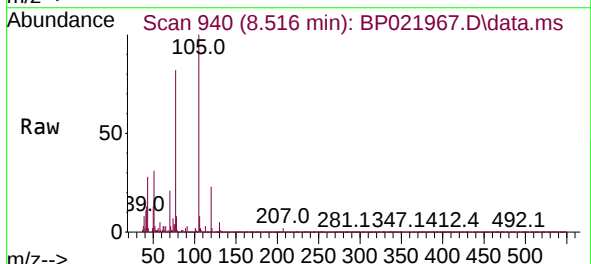
Manual Integrations
APPROVED

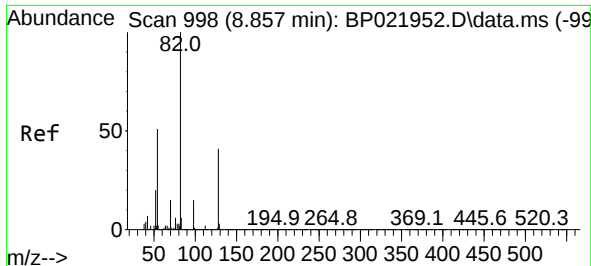
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#22
Acetophenone
Concen: 8.982 ng
RT: 8.516 min Scan# 940
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

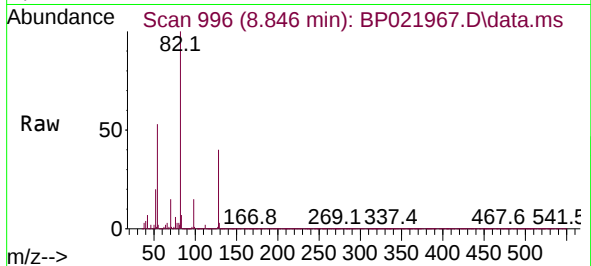
Tgt Ion:105 Resp: 68872
Ion Ratio Lower Upper
105 100
71 3.3 1.4 2.0#
51 30.5 22.1 33.1
120 23.0 16.8 25.2





#23
Nitrobenzene-d5
Concen: 72.969 ng
RT: 8.846 min Scan# 998
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

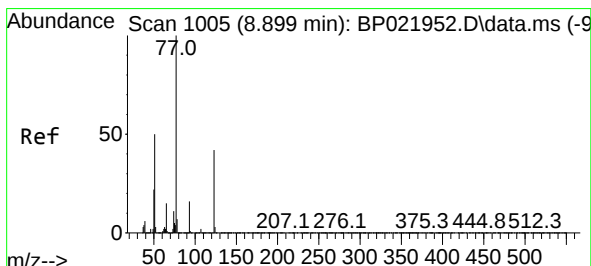
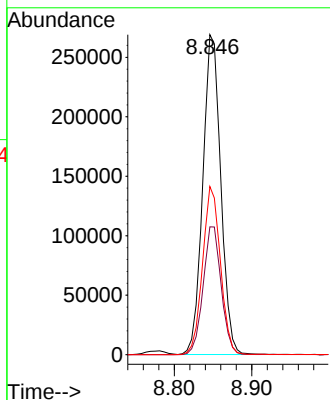
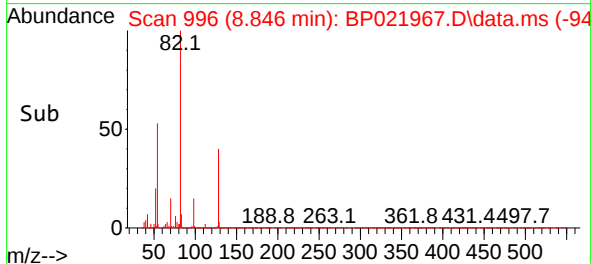
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 82 Resp: 433470
Ion Ratio Lower Upper
82 100
128 40.0 33.1 49.7
54 52.5 40.3 60.5

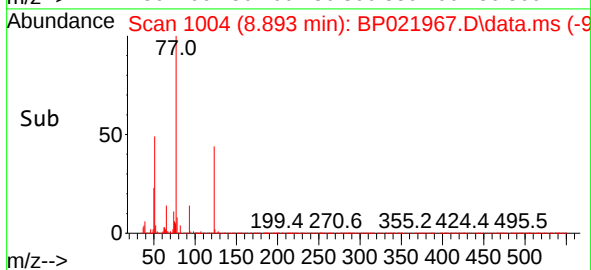
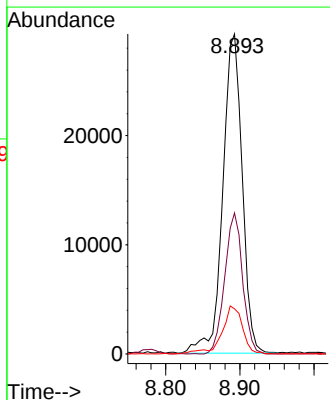
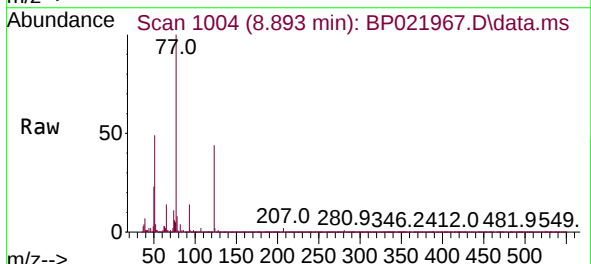
Manual Integrations
APPROVED

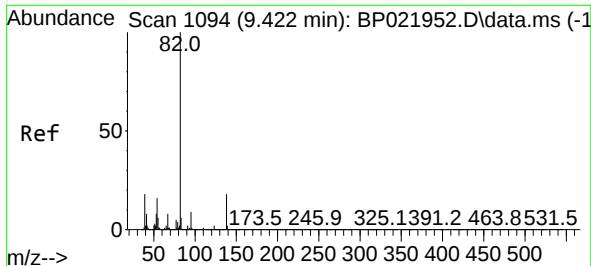
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#24
Nitrobenzene
Concen: 8.818 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

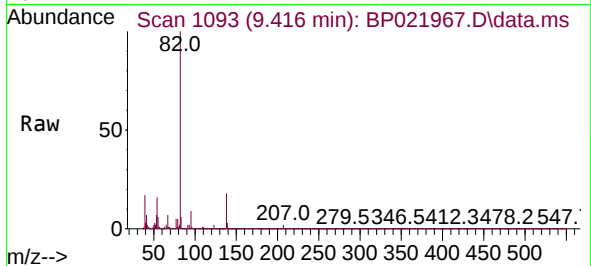
Tgt Ion: 77 Resp: 53196
Ion Ratio Lower Upper
77 100
123 44.0 33.9 50.9
65 14.1 12.0 18.0





#25
Isophorone
Concen: 8.480 ng
RT: 9.416 min Scan# 1094
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

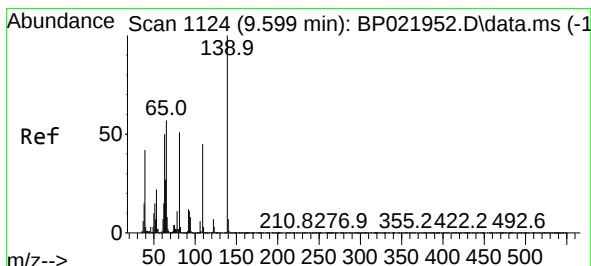
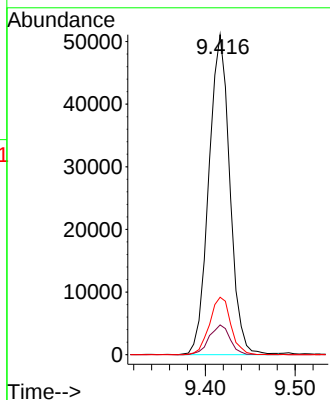
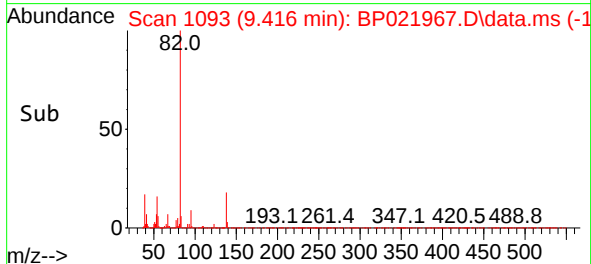
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 82 Resp: 8305
Ion Ratio Lower Upper
82 100
95 9.3 7.0 10.6
138 17.9 14.6 21.8

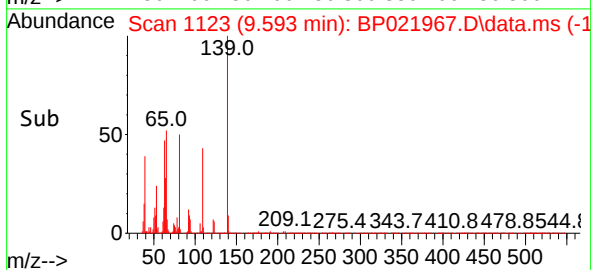
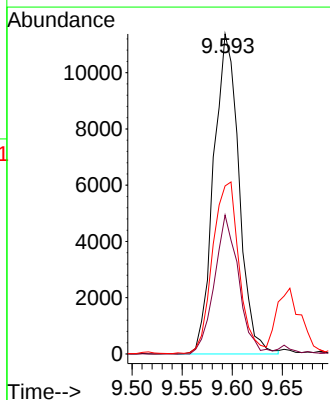
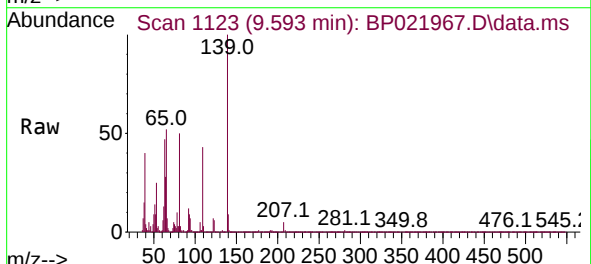
Manual Integrations
APPROVED

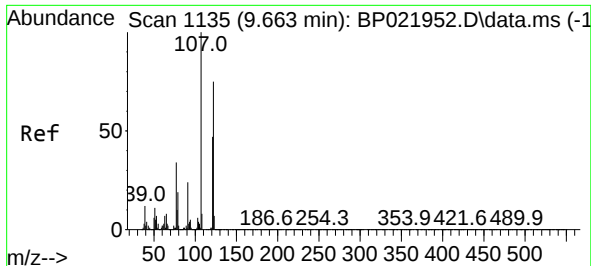
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#26
2-Nitrophenol
Concen: 7.566 ng
RT: 9.593 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

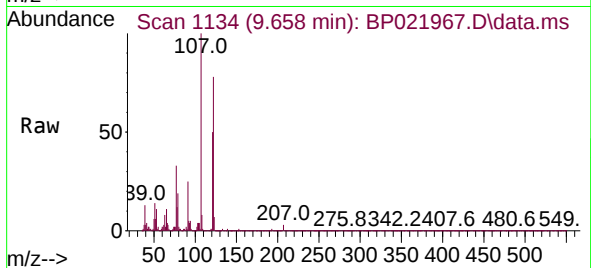
Tgt Ion:139 Resp: 19956
Ion Ratio Lower Upper
139 100
109 43.4 36.0 54.0
65 52.5 45.7 68.5





#27
2,4-Dimethylphenol
Concen: 8.215 ng
RT: 9.658 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

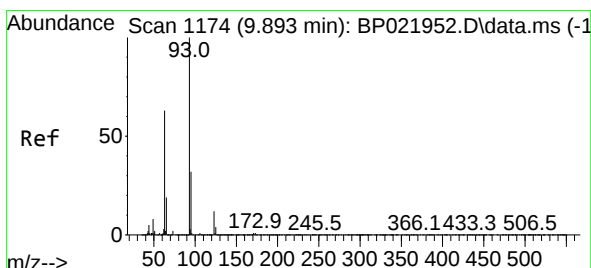
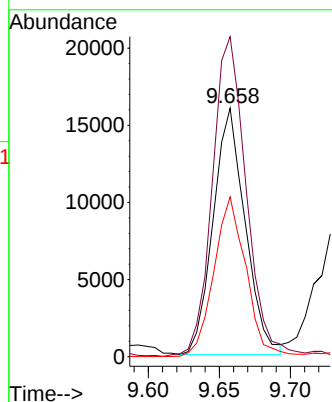
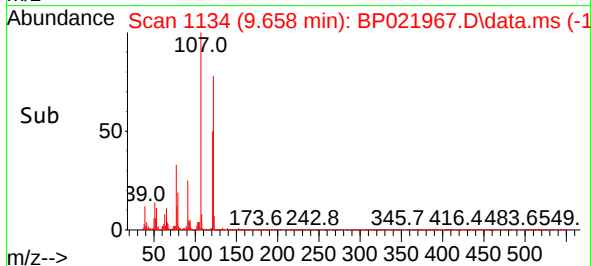
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion: 122 Resp: 25090
Ion Ratio Lower Upper
122 100
107 128.8 106.1 159.1
121 64.4 49.6 74.4

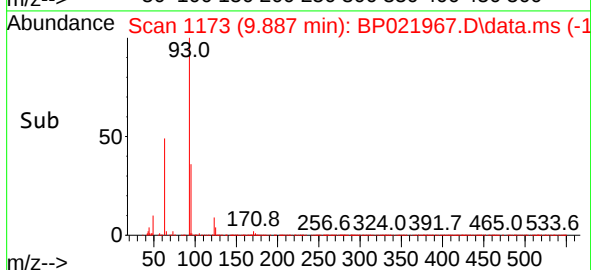
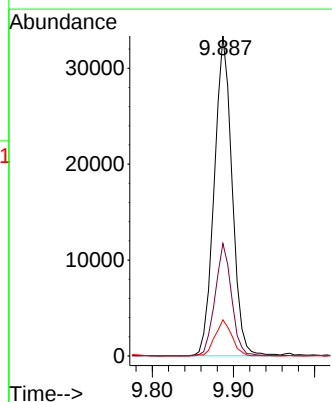
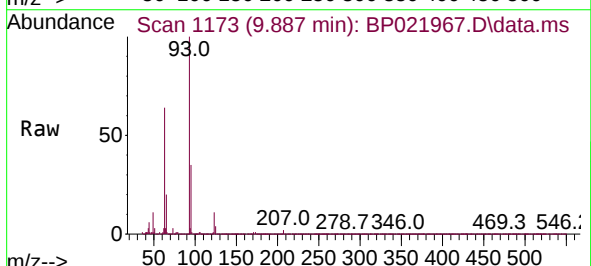
Manual Integrations
APPROVED

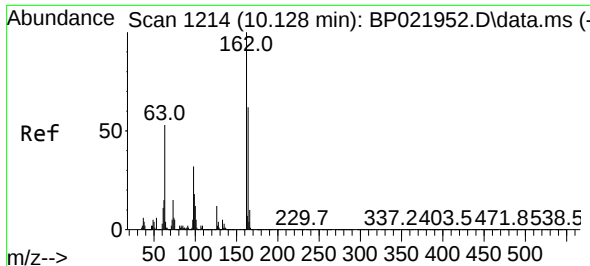
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.664 ng
RT: 9.887 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion: 93 Resp: 50878
Ion Ratio Lower Upper
93 100
95 35.1 25.7 38.5
123 11.3 9.4 14.0





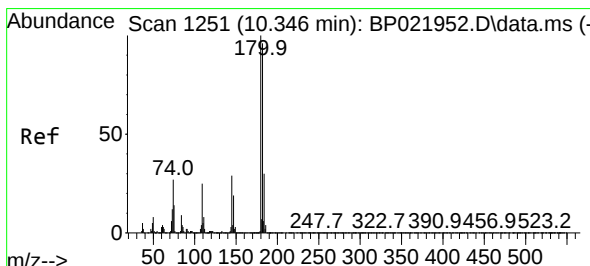
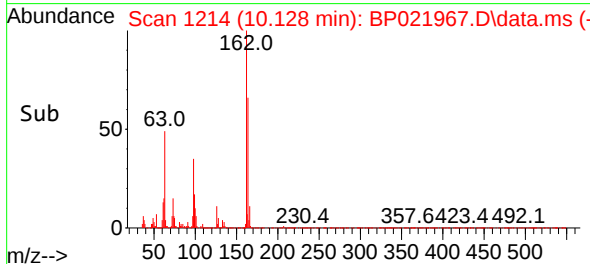
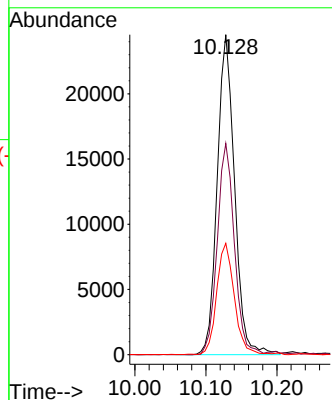
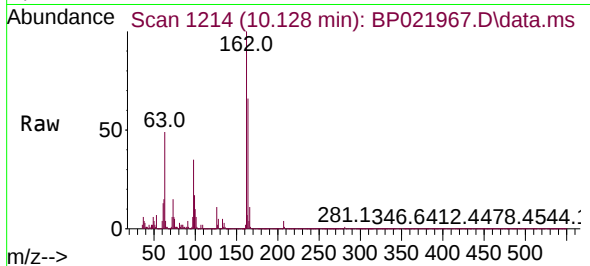
#29
2,4-Dichlorophenol
Concen: 8.004 ng
RT: 10.128 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:162 Resp: 4149
Ion Ratio Lower Upper
162 100
164 66.0 41.7 81.7
98 34.8 12.4 52.4

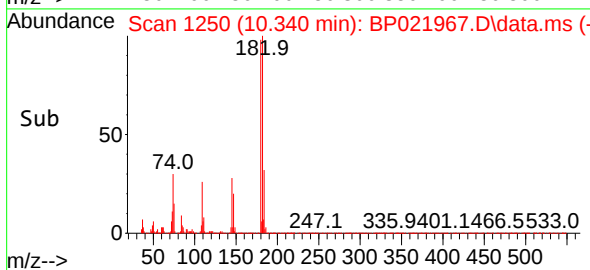
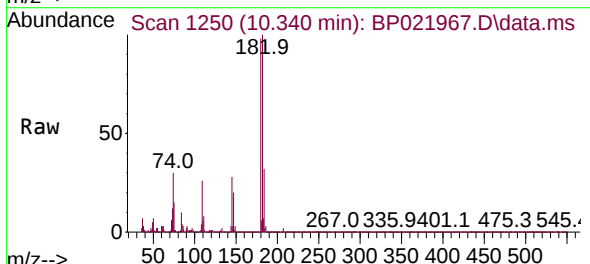
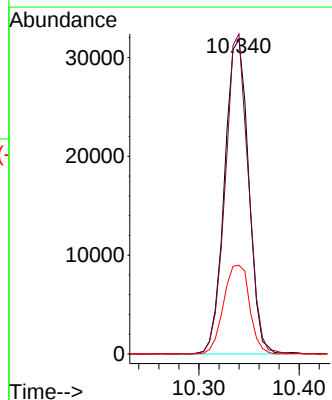
Manual Integrations
APPROVED

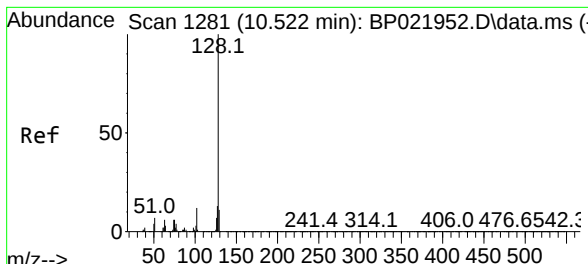
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#30
1,2,4-Trichlorobenzene
Concen: 8.189 ng
RT: 10.340 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:180 Resp: 52881
Ion Ratio Lower Upper
180 100
182 101.7 77.0 115.4
145 28.2 23.0 34.6



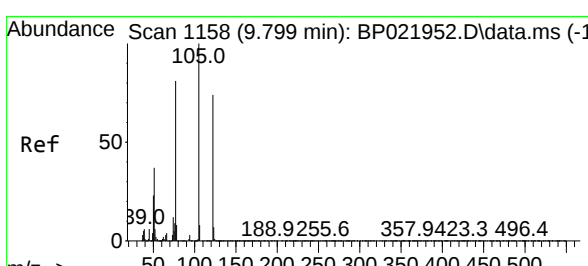
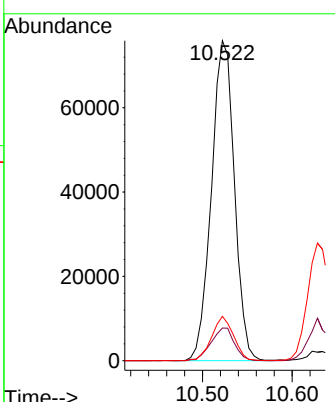
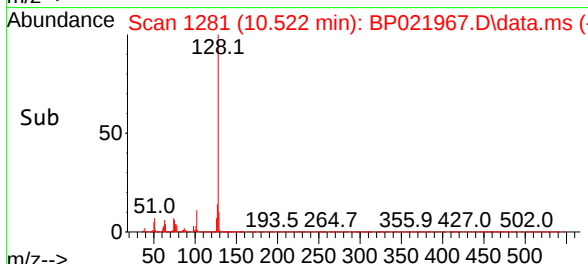
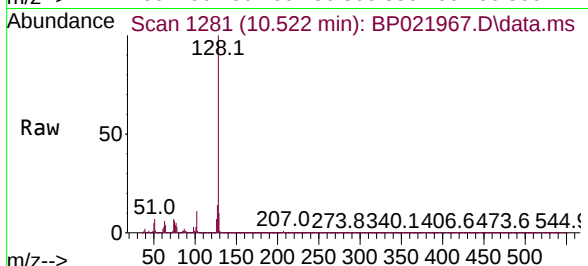


#31
Naphthalene
Concen: 8.599 ng
RT: 10.522 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

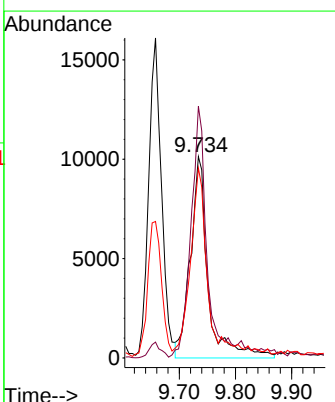
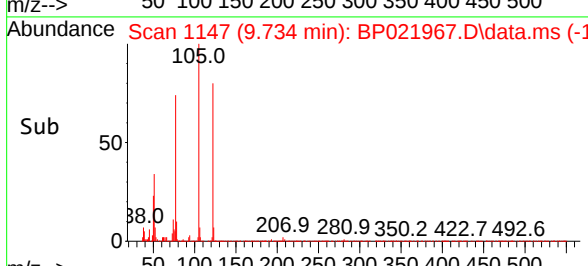
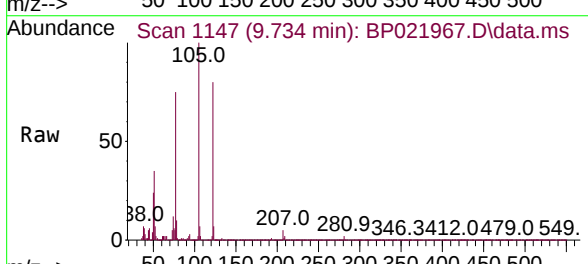
Tgt Ion:	128	Resp:	13487
Ion Ratio	Lower	Upper	
128	100		
129	10.2	8.6	13.0
127	13.8	10.6	15.8

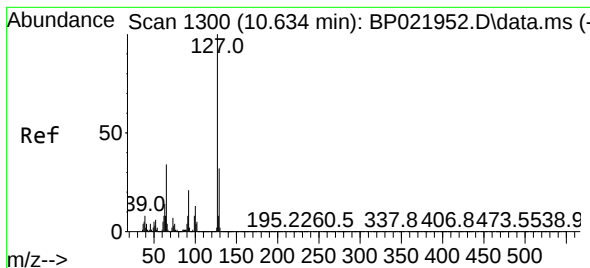
Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#32
Benzoic acid
Concen: 6.180 ng m
RT: 9.734 min Scan# 1147
Delta R.T. -0.065 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:	122	Resp:	22066
Ion Ratio	Lower	Upper	
122	100		
105	125.1	111.3	151.3
77	94.4	86.7	126.7





#33

4-Chloroaniline

Concen: 8.986 ng

RT: 10.628 min Scan# 1299

Delta R.T. -0.006 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

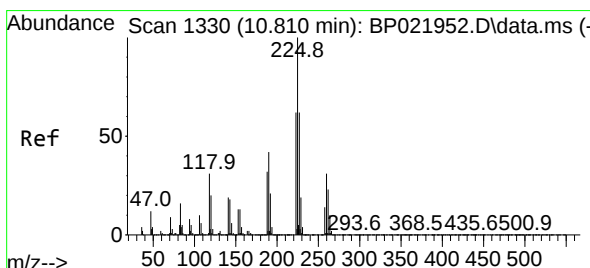
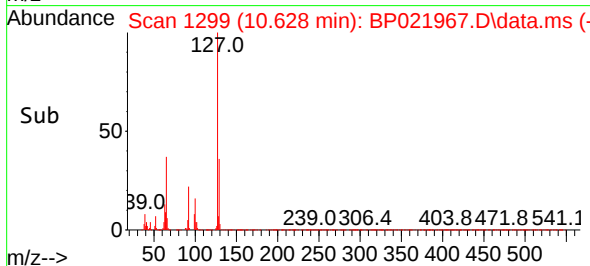
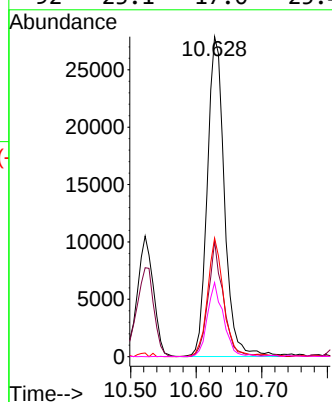
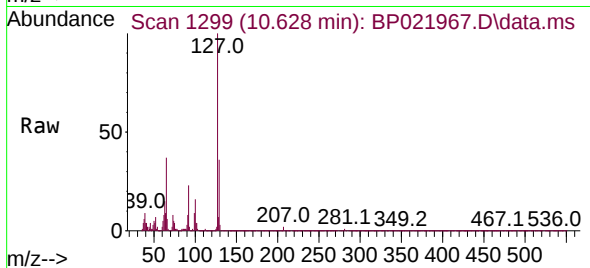
LOQ-SOIL-02-QT2-2024

Tgt Ion	Ratio	Lower	Upper
127	100		
129	36.2	25.4	38.0
65	37.0	27.4	41.2
92	23.1	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#34

Hexachlorobutadiene

Concen: 7.993 ng

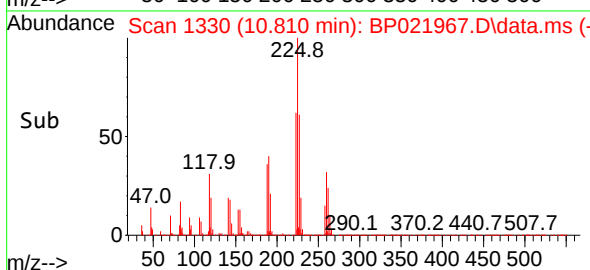
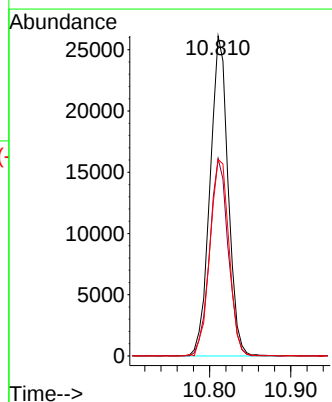
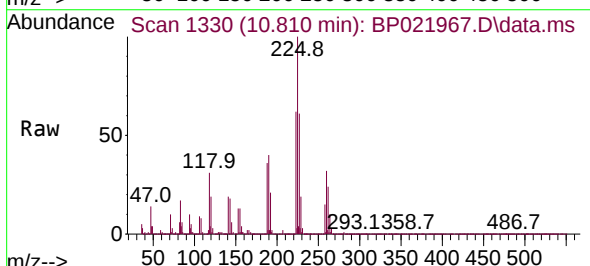
RT: 10.810 min Scan# 1330

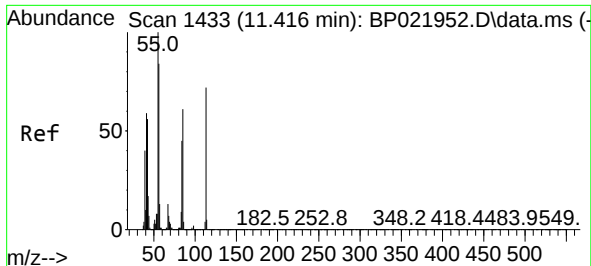
Delta R.T. 0.000 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

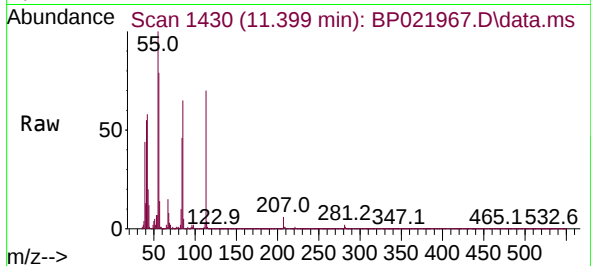
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.0	75.0
227	61.4	49.7	74.5





#35
Caprolactam
Concen: 7.146 ng
RT: 11.399 min Scan# 1433
Delta R.T. -0.018 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

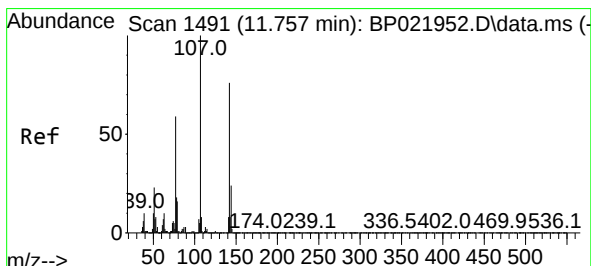
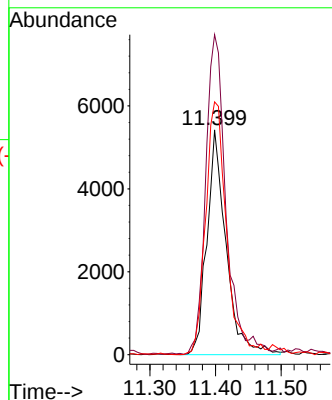
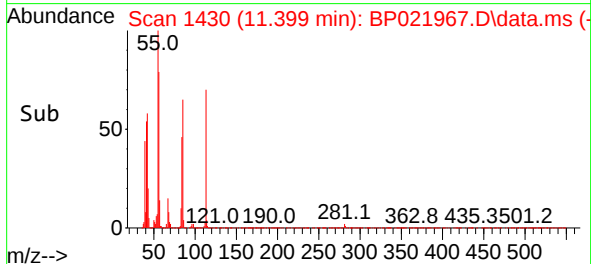
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



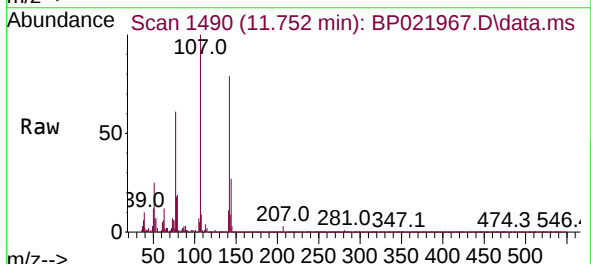
Tgt Ion:113 Resp: 1102
Ion Ratio Lower Upper
113 100
55 142.4 119.4 159.4
56 112.4 97.1 137.1

Manual Integrations
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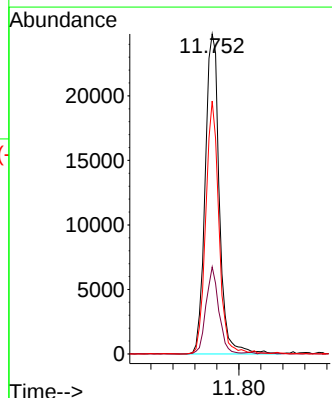
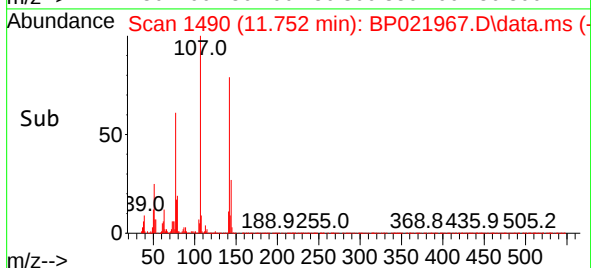
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

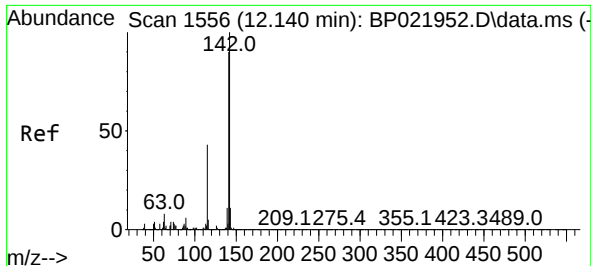


#36
4-Chloro-3-methylphenol
Concen: 7.959 ng
RT: 11.752 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47



Tgt Ion:107 Resp: 44268
Ion Ratio Lower Upper
107 100
144 27.2 19.0 28.4
142 79.1 60.4 90.6





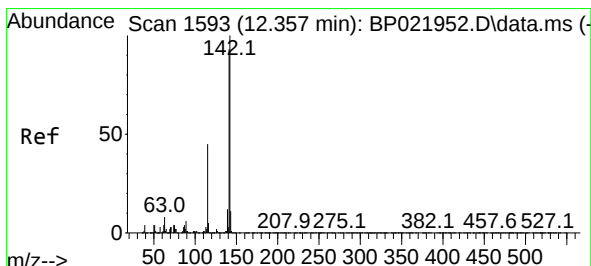
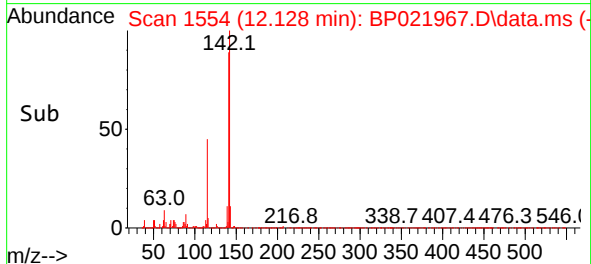
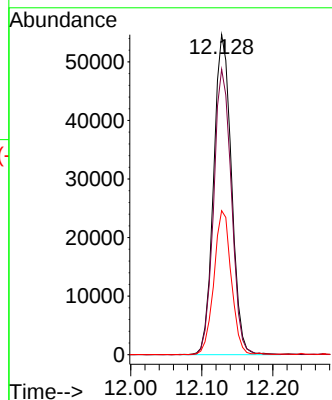
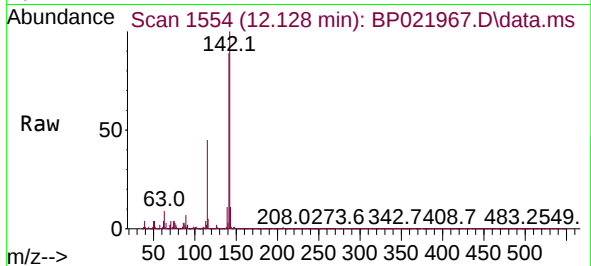
#37
2-Methylnaphthalene
Concen: 8.293 ng
RT: 12.128 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.7	107.5
115	45.0	34.6	51.8

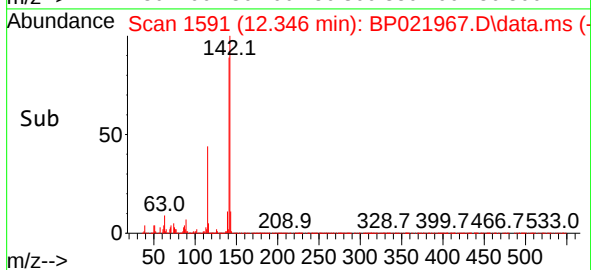
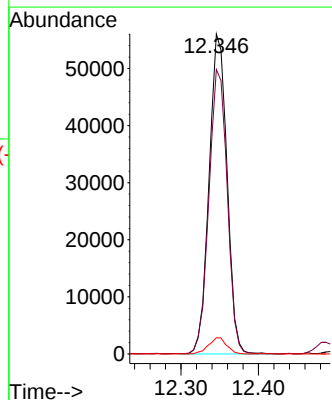
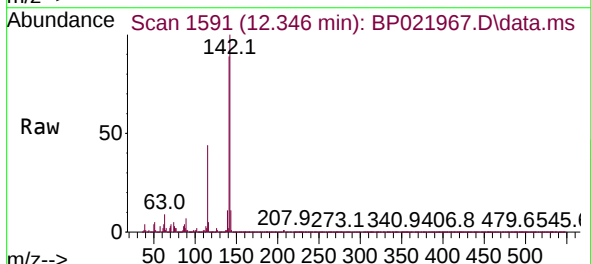
Manual Integrations
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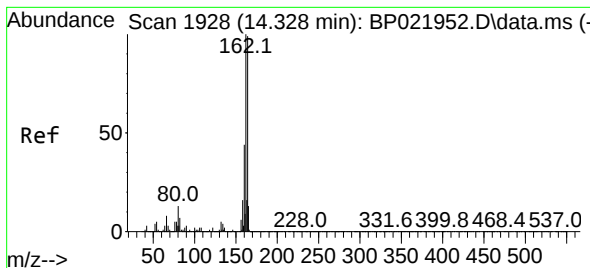
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#38
1-Methylnaphthalene
Concen: 7.941 ng
RT: 12.346 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	74.1	111.1
116	5.0	3.8	5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.322 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

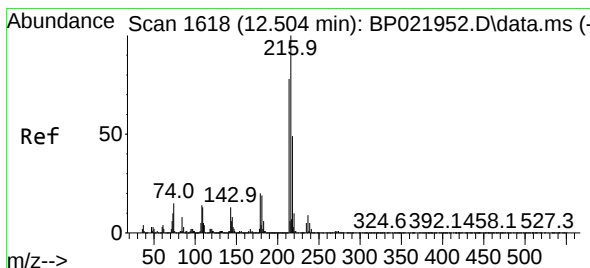
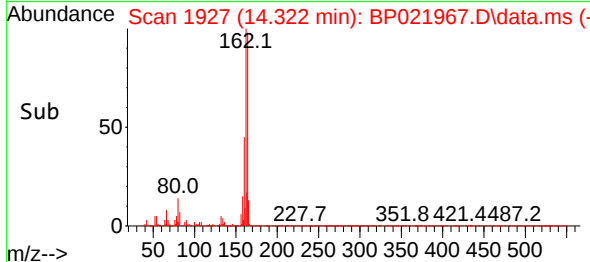
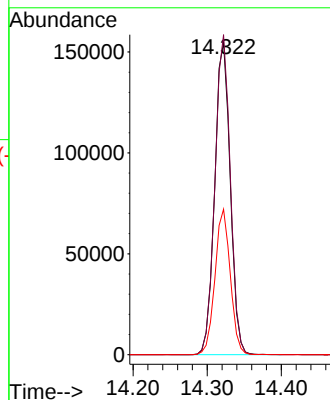
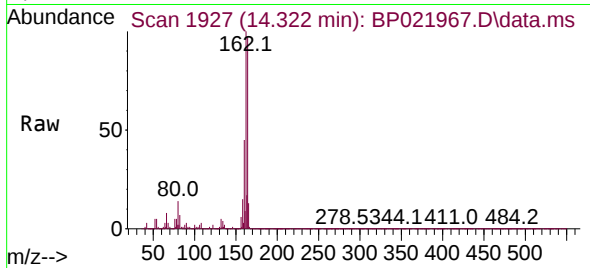
LOQ-SOIL-02-QT2-2024

Tgt Ion:164	Resp: 224699
Ion Ratio	Lower Upper
164 100	
162 102.6	81.2 121.8
160 46.6	35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.871 ng

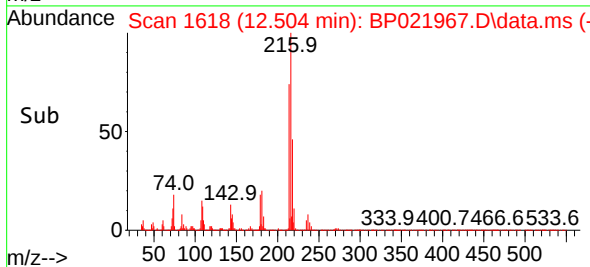
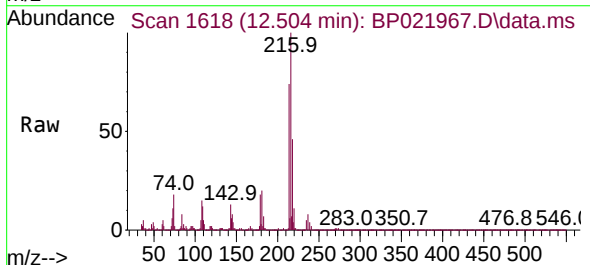
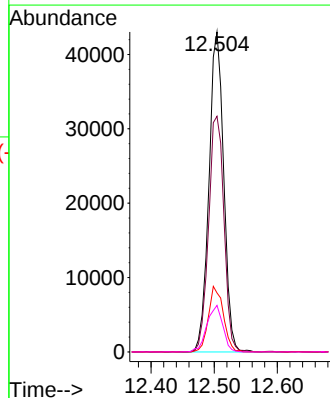
RT: 12.504 min Scan# 1618

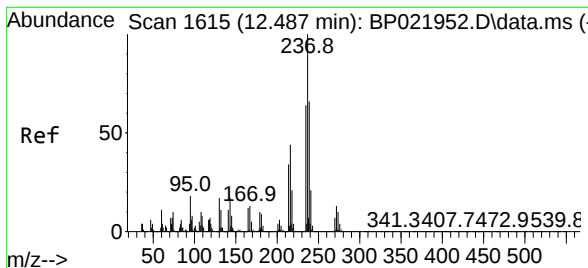
Delta R.T. 0.000 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

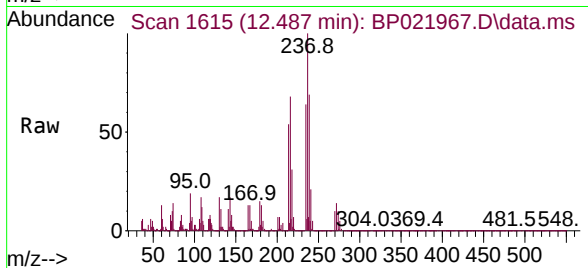
Tgt Ion:216	Resp: 69738
Ion Ratio	Lower Upper
216 100	
214 76.8	62.8 94.2
179 20.9	16.4 24.6
108 15.8	12.2 18.2





#41
Hexachlorocyclopentadiene
Concen: 9.923 ng
RT: 12.487 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

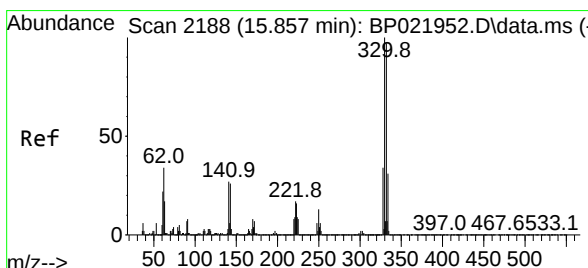
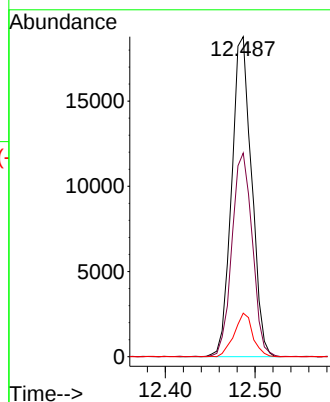
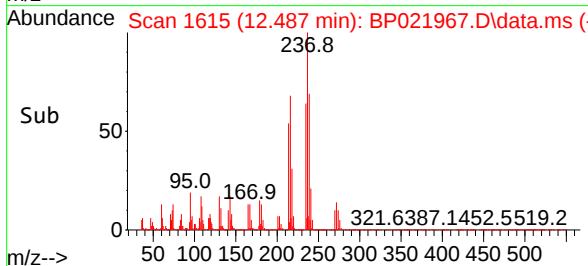
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



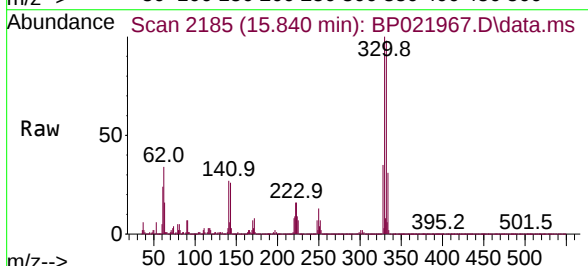
Tgt Ion: 237 Resp: 2898
Ion Ratio Lower Upper
237 100
235 63.7 44.1 84.1
272 13.6 0.0 33.1

Manual Integrations
APPROVED

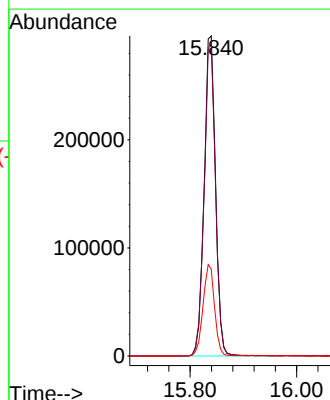
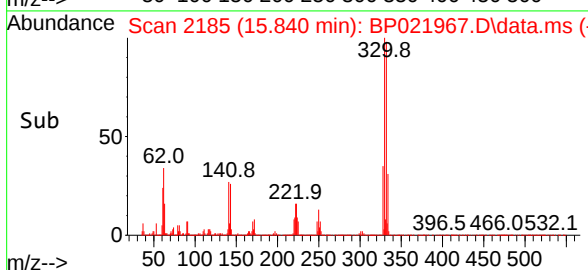
Reviewed By : Jagrut Upadhyay 09/20/2024
Supervised By : mohammad ahmed 09/24/2024

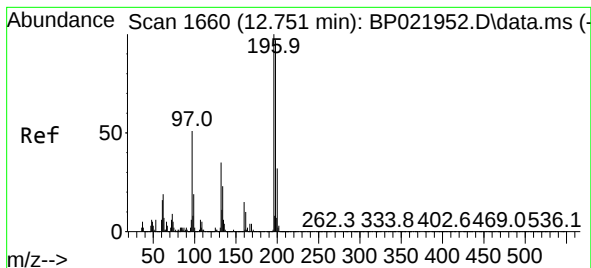


#42
2,4,6-Tribromophenol
Concen: 105.484 ng
RT: 15.840 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47



Tgt Ion: 330 Resp: 439411
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 28.9 23.4 35.0





#43

2,4,6-Trichlorophenol

Concen: 7.737 ng

RT: 12.740 min Scan# 1658

Delta R.T. -0.012 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

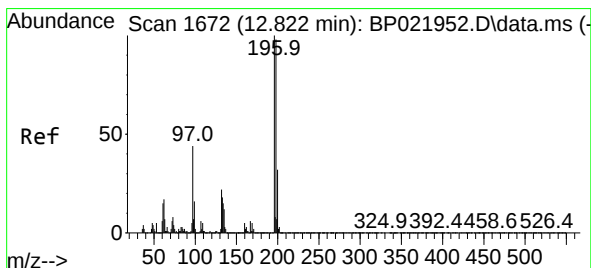
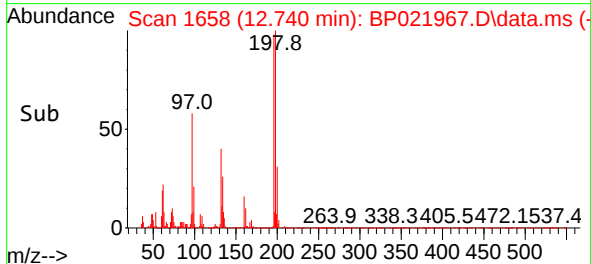
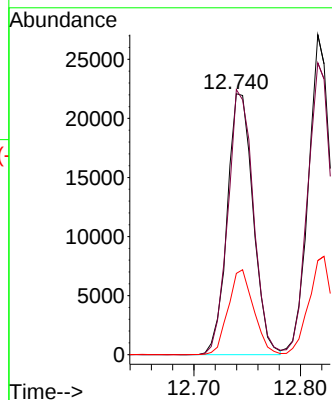
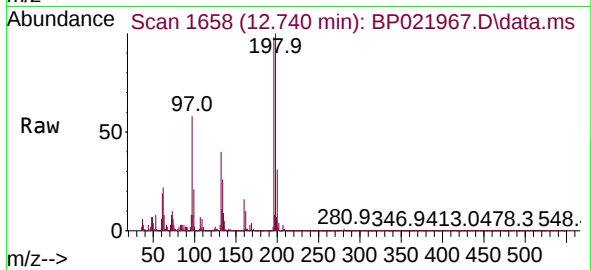
LOQ-SOIL-02-QT2-2024

Tgt Ion:196	Resp:	3733
Ion Ratio	Lower	Upper
196	100	
198	101.6	77.6 116.4
200	31.2	25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#44

2,4,5-Trichlorophenol

Concen: 7.667 ng

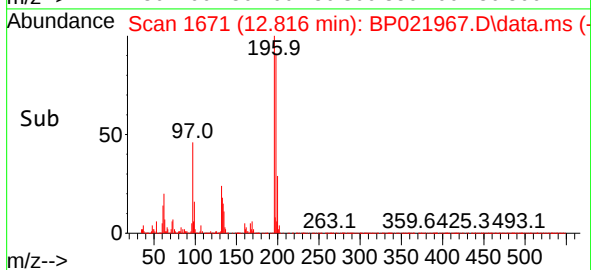
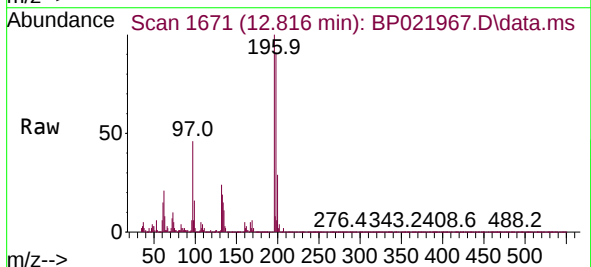
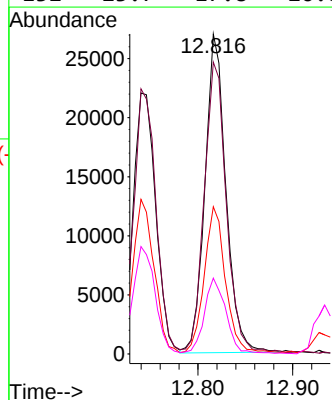
RT: 12.816 min Scan# 1671

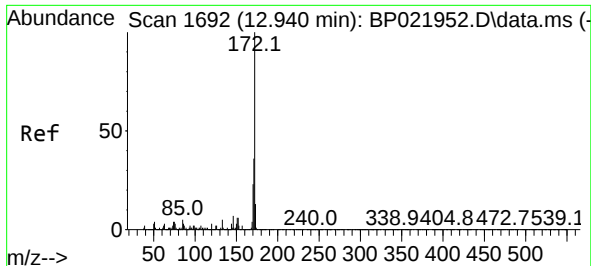
Delta R.T. -0.006 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Tgt Ion:196	Resp:	41502
Ion Ratio	Lower	Upper
196	100	
198	91.2	78.2 117.4
97	46.0	35.0 52.4
132	23.7	17.8 26.8





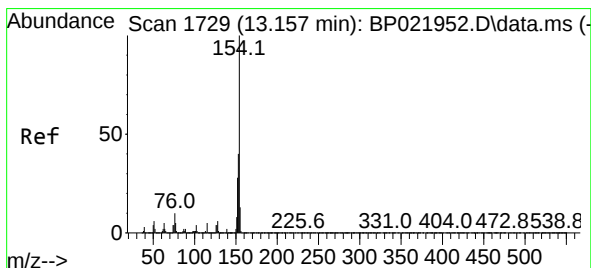
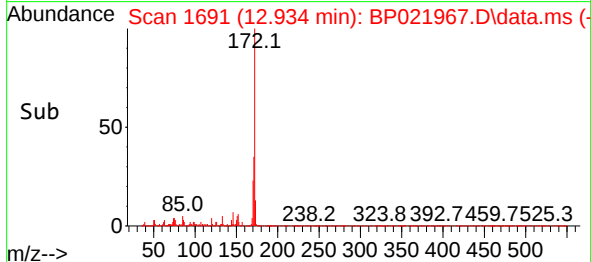
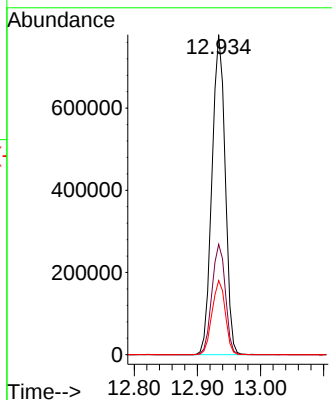
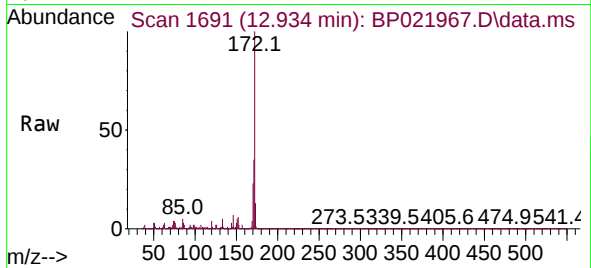
#45
2-Fluorobiphenyl
Concen: 73.516 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:172 Resp: 1131618
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.1 18.8 28.2

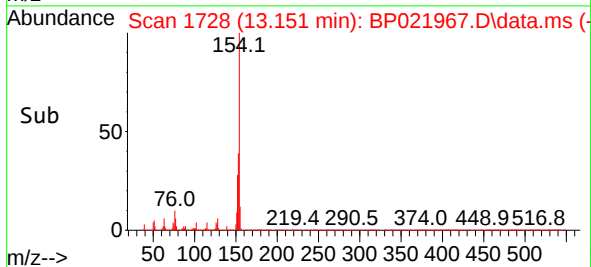
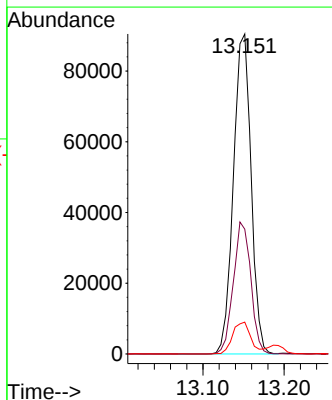
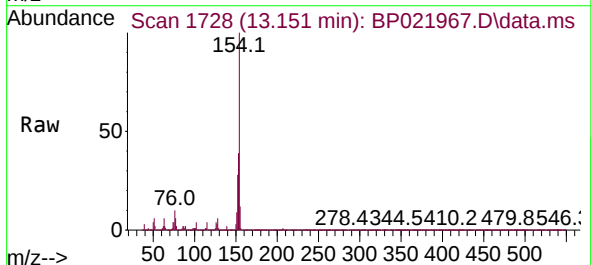
Manual Integrations
APPROVED

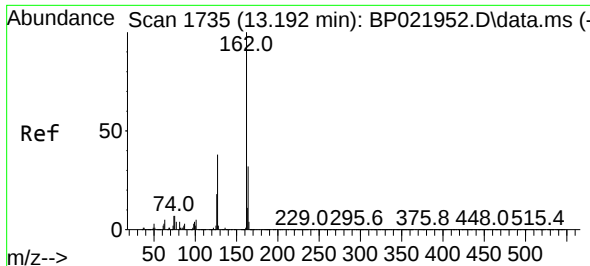
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#46
1,1'-Biphenyl
Concen: 8.896 ng
RT: 13.151 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

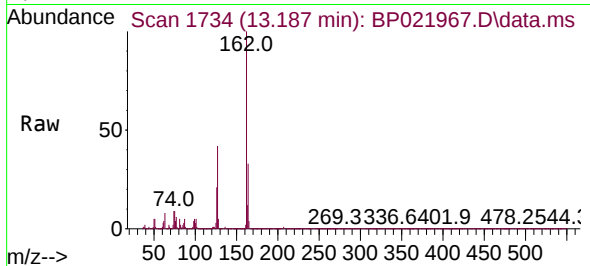
Tgt Ion:154 Resp: 136298
Ion Ratio Lower Upper
154 100
153 39.0 20.2 60.2
76 9.9 0.0 29.9





#47
2-Chloronaphthalene
Concen: 8.479 ng
RT: 13.187 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

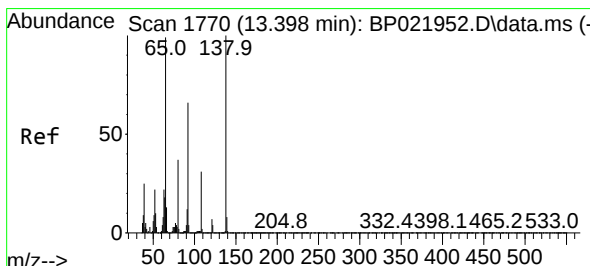
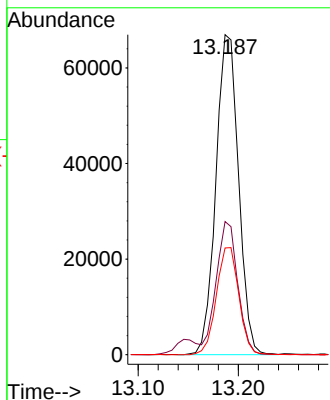
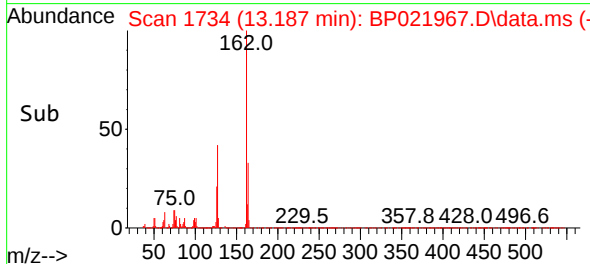
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024



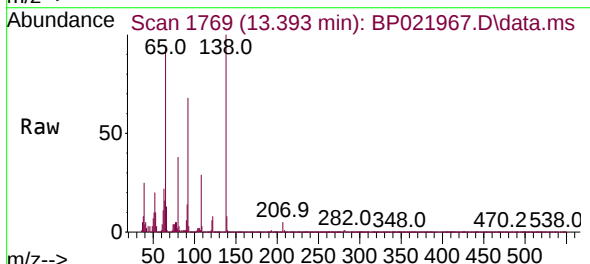
Tgt Ion: 162 Resp: 105038
Ion Ratio Lower Upper
162 100
127 41.6 31.7 47.5
164 33.4 25.9 38.9

Manual Integrations
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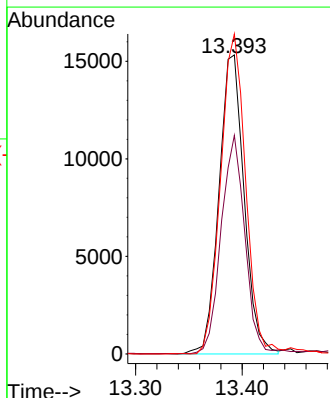
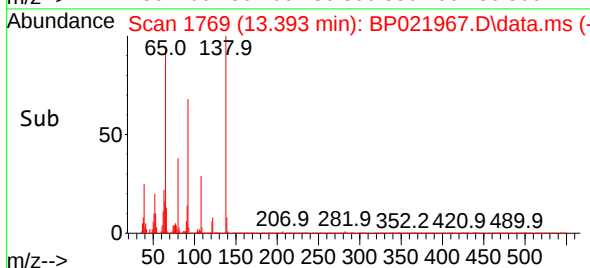
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

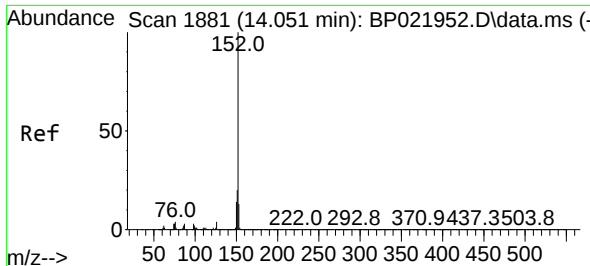


#48
2-Nitroaniline
Concen: 7.431 ng
RT: 13.393 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47



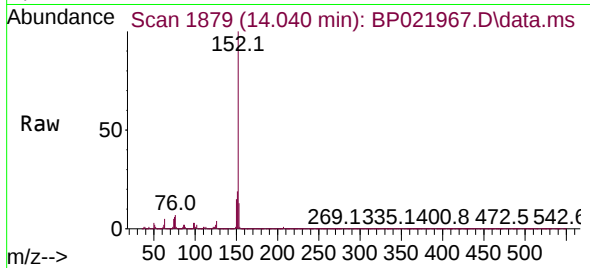
Tgt Ion: 65 Resp: 25137
Ion Ratio Lower Upper
65 100
92 73.1 53.2 79.8
138 107.0 81.1 121.7





#49
Acenaphthylene
Concen: 9.153 ng
RT: 14.040 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

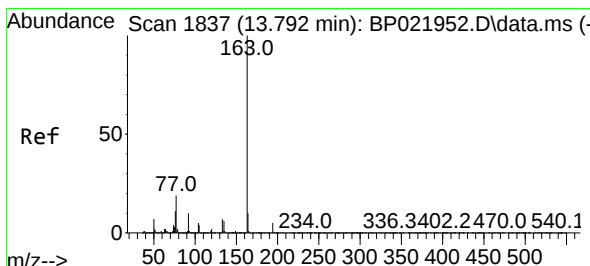
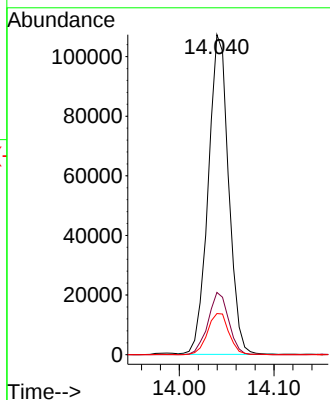
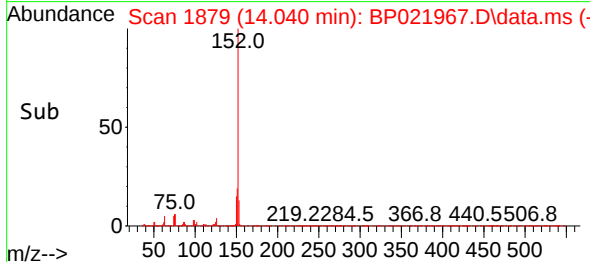
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024



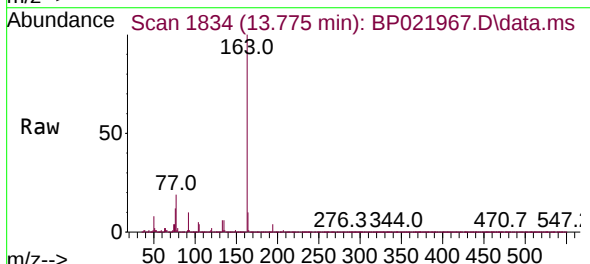
Tgt Ion:152 Resp: 160008
Ion Ratio Lower Upper
152 100
151 19.4 16.0 24.0
153 12.8 10.8 16.2

Manual Integrations
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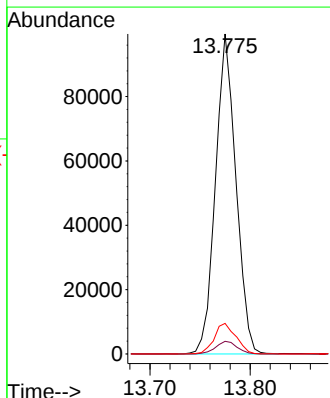
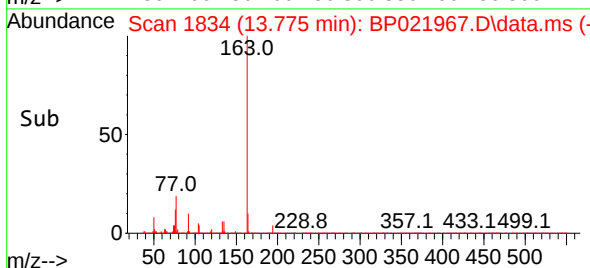
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024

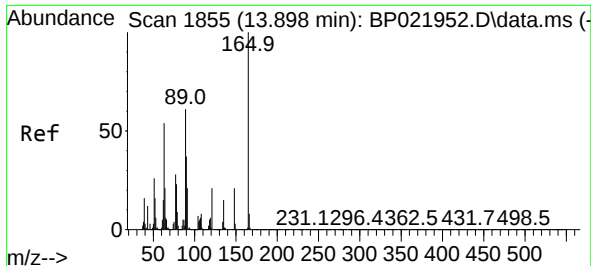


#50
Dimethylphthalate
Concen: 8.641 ng
RT: 13.775 min Scan# 1834
Delta R.T. -0.018 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47



Tgt Ion:163 Resp: 140814
Ion Ratio Lower Upper
163 100
194 3.9 3.6 5.4
164 9.6 8.0 12.0





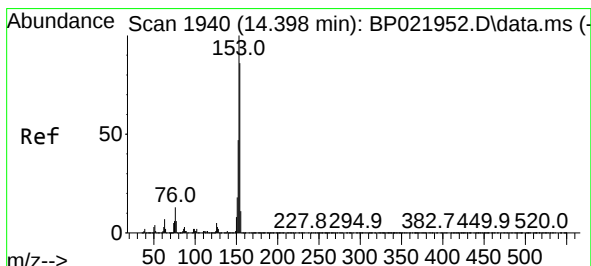
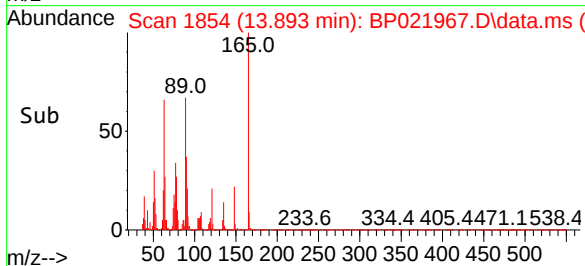
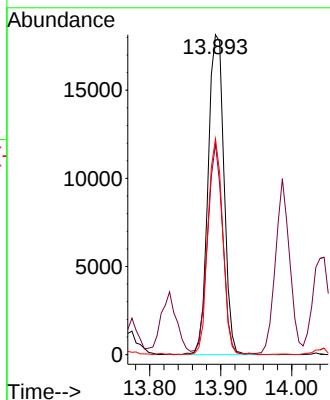
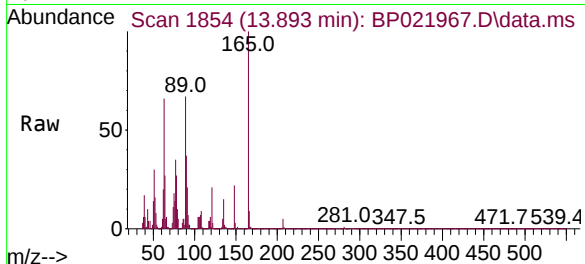
#51
2,6-Dinitrotoluene
Concen: 7.762 ng
RT: 13.893 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 28189
Ion Ratio Lower Upper
165 100
63 65.9 46.4 69.6
89 67.5 48.5 72.7

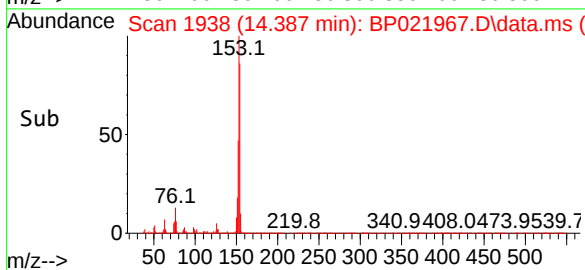
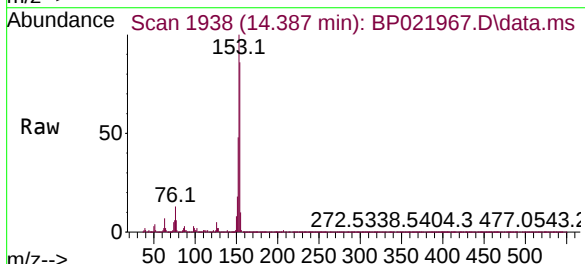
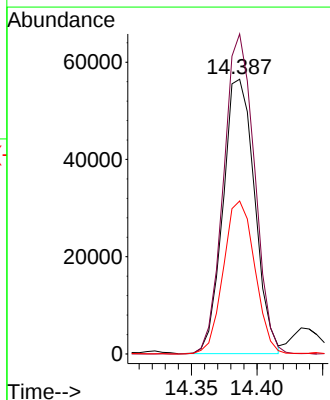
Manual Integrations
APPROVED

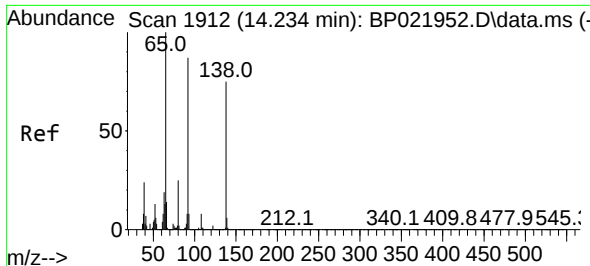
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#52
Acenaphthene
Concen: 8.322 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:154 Resp: 94674
Ion Ratio Lower Upper
154 100
153 116.5 92.7 139.1
152 55.7 43.6 65.4





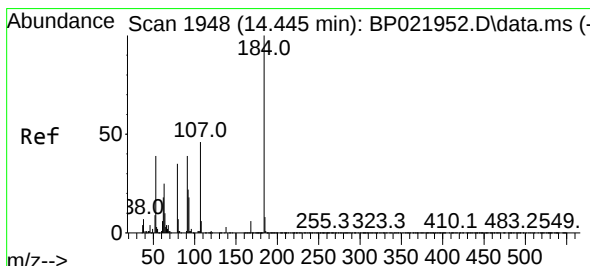
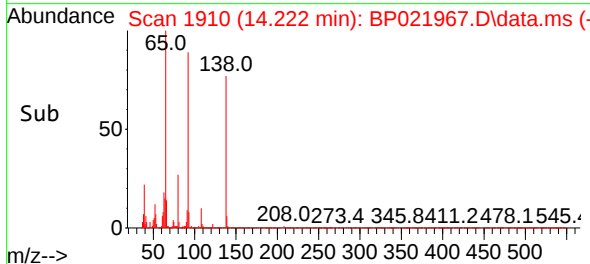
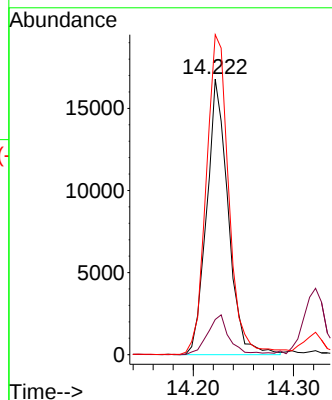
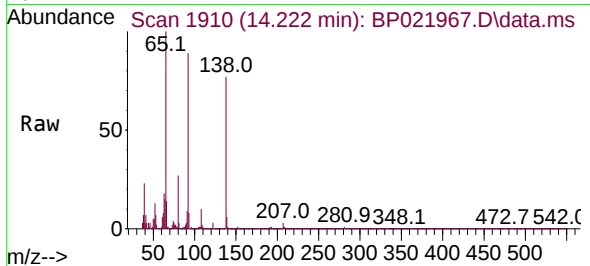
#53
3-Nitroaniline
Concen: 7.725 ng
RT: 14.222 min Scan# 1910
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:138 Resp: 2500
Ion Ratio Lower Upper
138 100
108 12.8 9.0 13.4
92 116.1 92.8 139.2

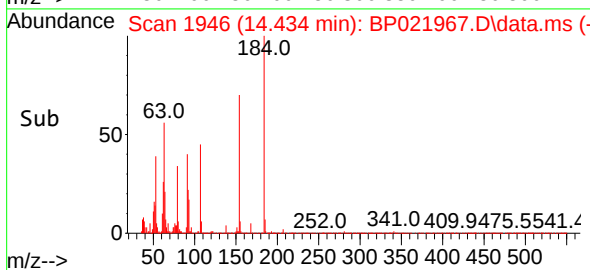
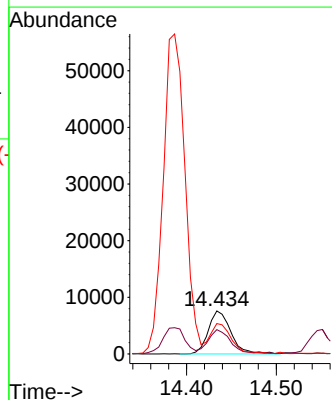
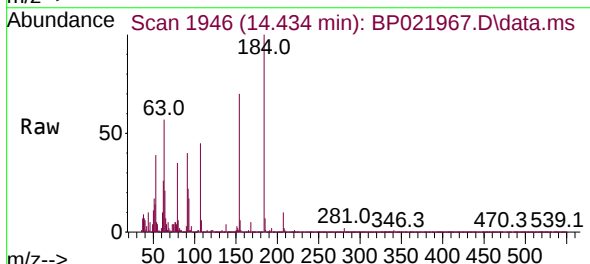
Manual Integrations
APPROVED

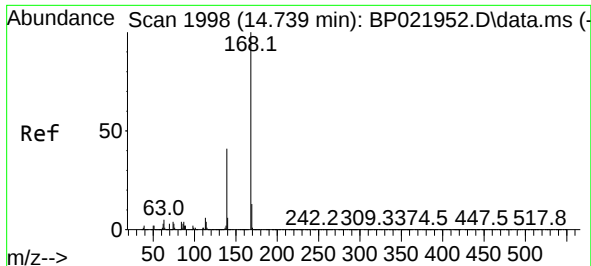
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#54
2,4-Dinitrophenol
Concen: 6.241 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

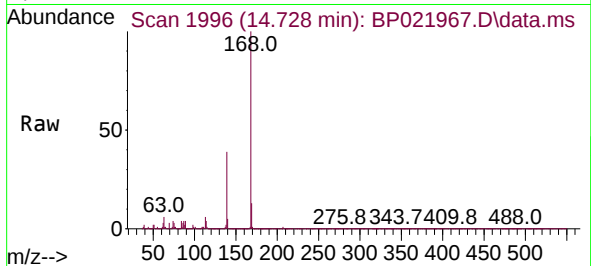
Tgt Ion:184 Resp: 13280
Ion Ratio Lower Upper
184 100
63 56.5 49.0 73.6
154 70.5 58.1 87.1





#55
Dibenzenofuran
Concen: 8.965 ng
RT: 14.728 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

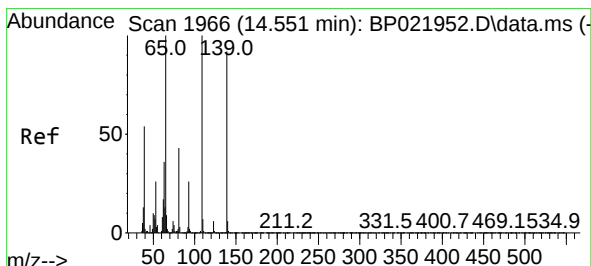
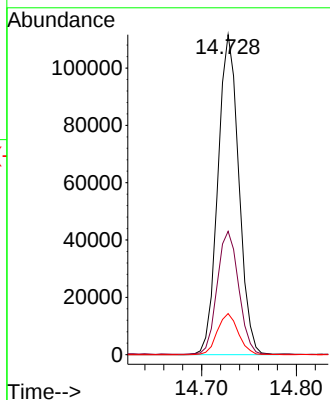
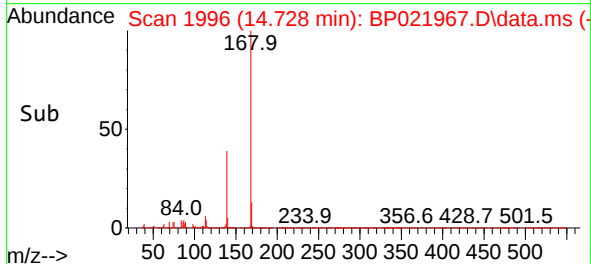
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:168 Resp: 17143
Ion Ratio Lower Upper
168 100
139 38.6 33.0 49.4
169 12.9 10.7 16.1

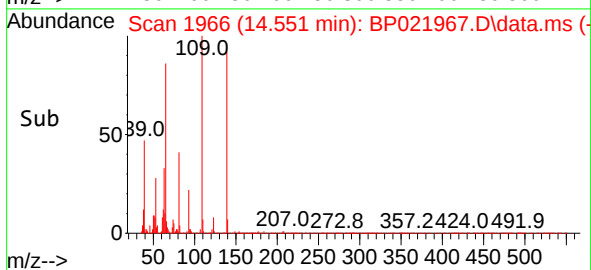
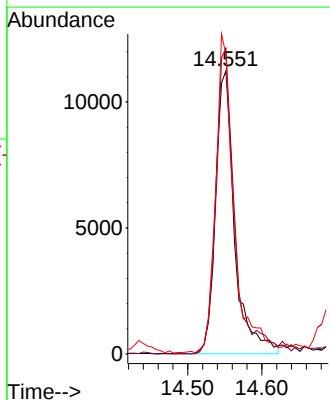
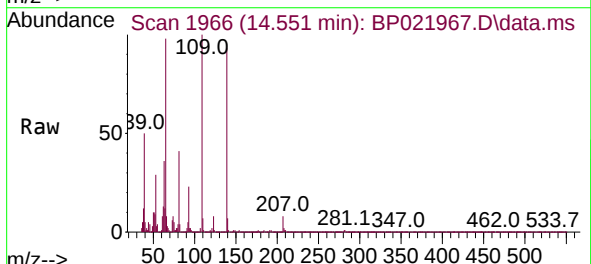
Manual Integrations
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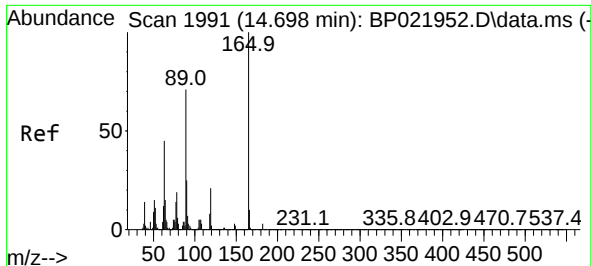
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#56
4-Nitrophenol
Concen: 7.142 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

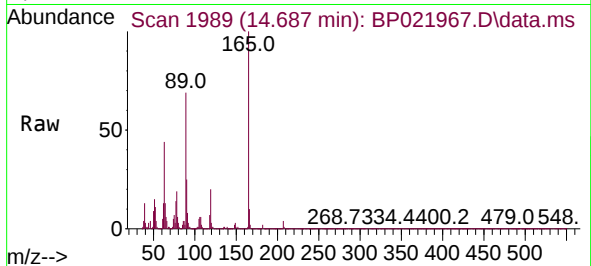
Tgt Ion:139 Resp: 20119
Ion Ratio Lower Upper
139 100
109 108.1 88.6 128.6
65 105.9 88.7 128.7





#57
2,4-Dinitrotoluene
Concen: 7.417 ng
RT: 14.687 min Scan# 1991
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

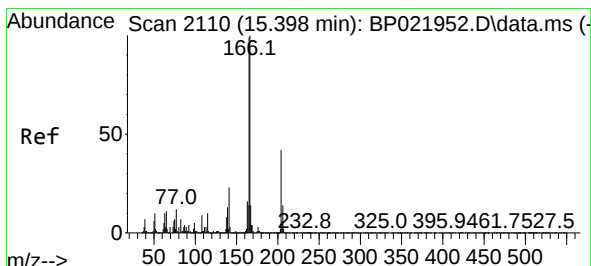
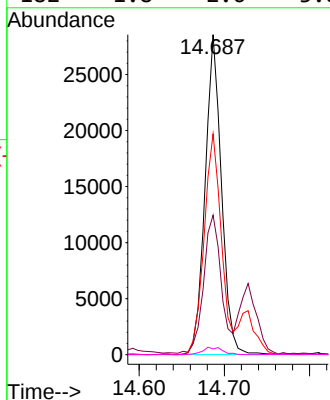
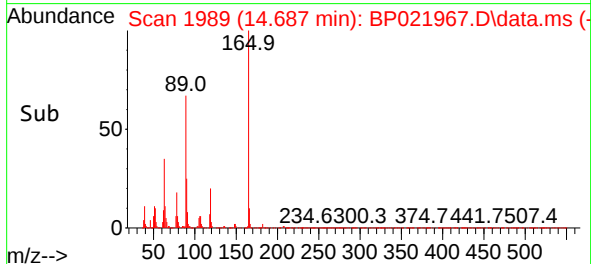
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:165 Resp: 38078
Ion Ratio Lower Upper
165 100
63 43.6 36.3 54.5
89 69.0 57.2 85.8
182 1.8 2.6 3.8#

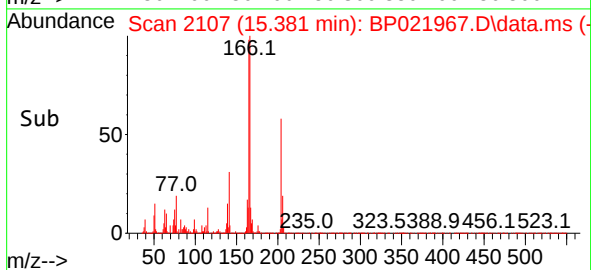
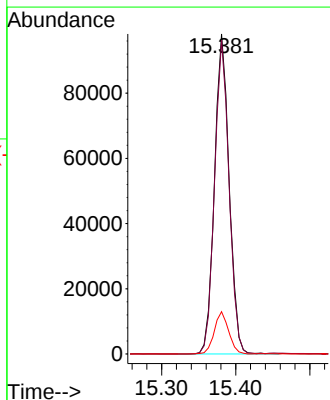
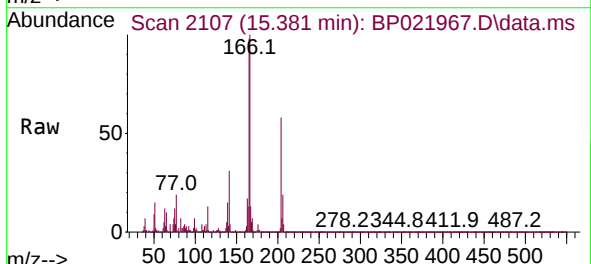
Manual Integrations
APPROVED

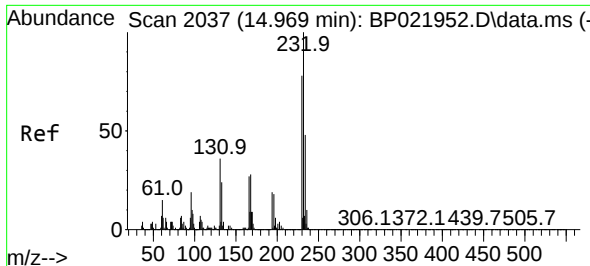
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#58
Fluorene
Concen: 8.428 ng
RT: 15.381 min Scan# 2107
Delta R.T. -0.018 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:166 Resp: 134593
Ion Ratio Lower Upper
166 100
165 98.0 79.4 119.2
167 13.2 10.9 16.3





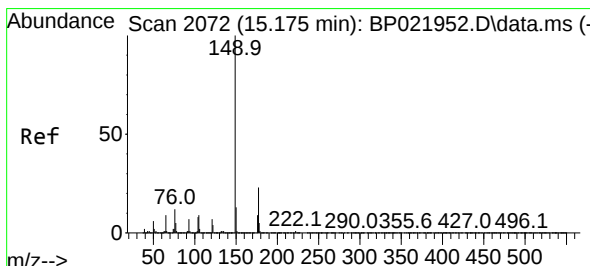
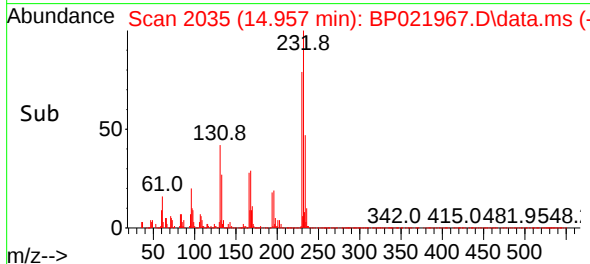
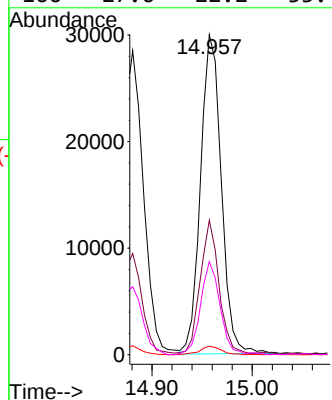
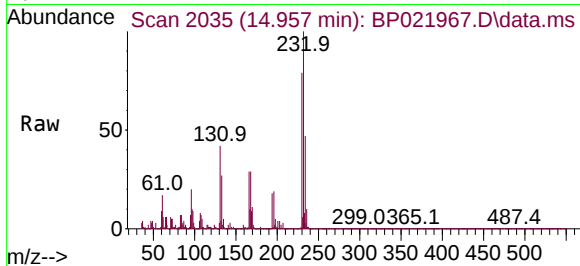
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.261 ng
RT: 14.957 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:	232	Resp:	4315
Ion Ratio	Lower	Upper	
232	100		
131	37.8	30.2	45.4
130	2.7	1.9	2.9
166	27.6	22.2	33.4

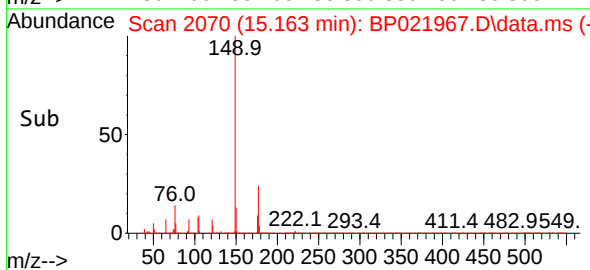
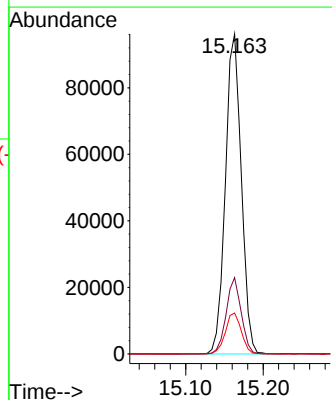
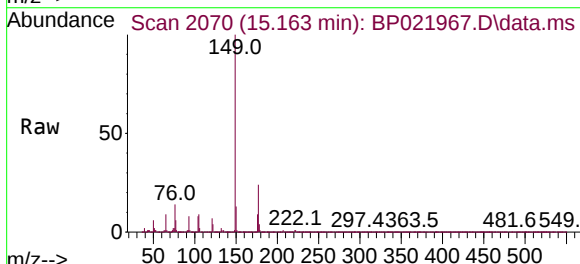
Manual Integrations
APPROVED

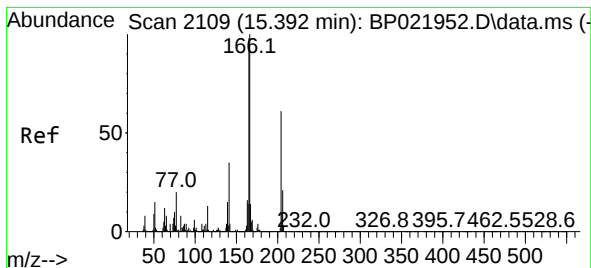
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#60
Diethylphthalate
Concen: 8.292 ng
RT: 15.163 min Scan# 2070
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

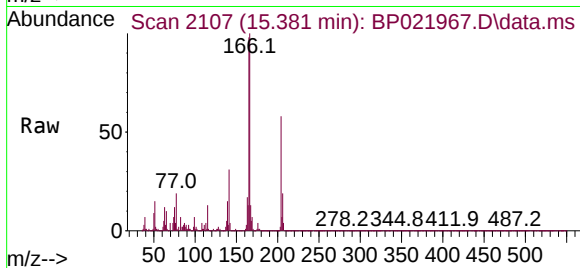
Tgt Ion:	149	Resp:	137325
Ion Ratio	Lower	Upper	
149	100		
177	23.9	18.2	27.4
150	12.8	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 8.335 ng
RT: 15.381 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

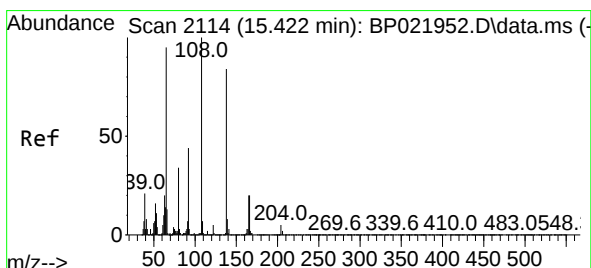
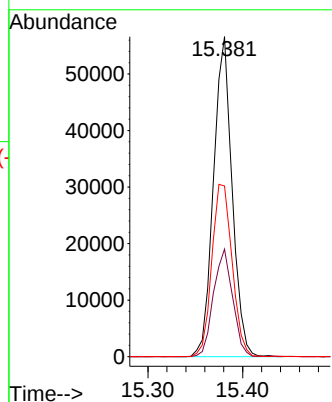
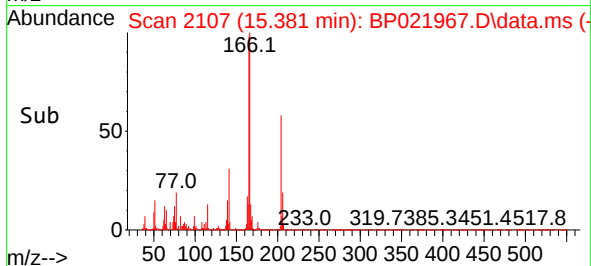
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024



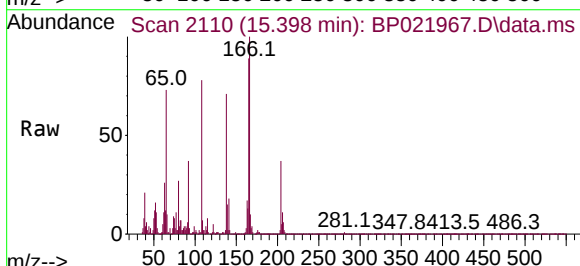
Tgt Ion: 204 Resp: 77490
Ion Ratio Lower Upper
204 100
206 33.6 27.3 40.9
141 53.3 45.7 68.5

Manual Integrations
APPROVED

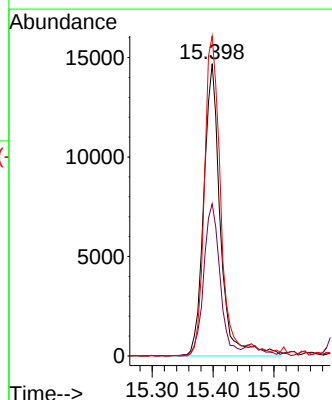
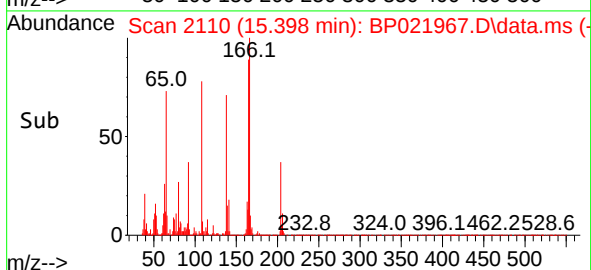
Reviewed By : Jagrut Upadhyay 09/20/2024
Supervised By : mohammad ahmed 09/24/2024

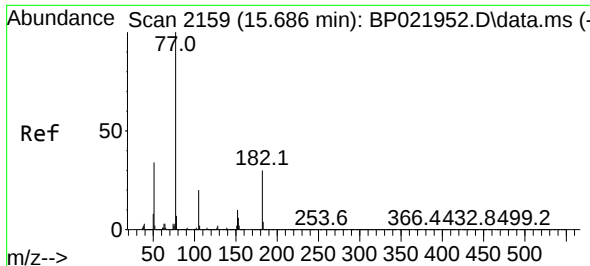


#62
4-Nitroaniline
Concen: 7.805 ng
RT: 15.398 min Scan# 2110
Delta R.T. -0.023 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47



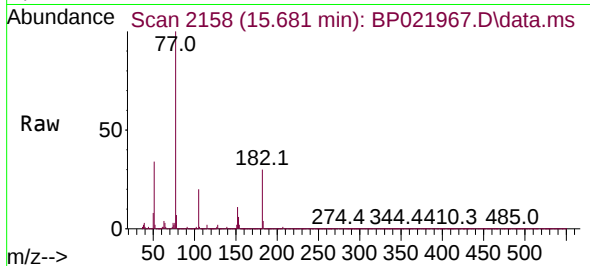
Tgt Ion: 138 Resp: 27777
Ion Ratio Lower Upper
138 100
92 52.0 32.6 72.6
108 109.5 98.6 138.6





#63
Azobenzene
Concen: 8.715 ng
RT: 15.681 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

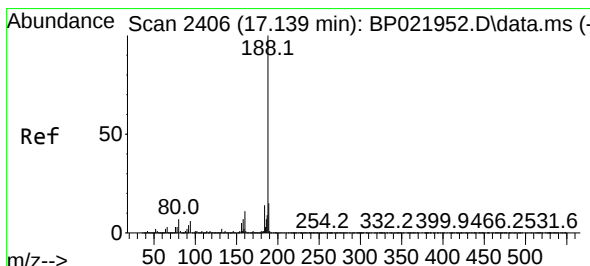
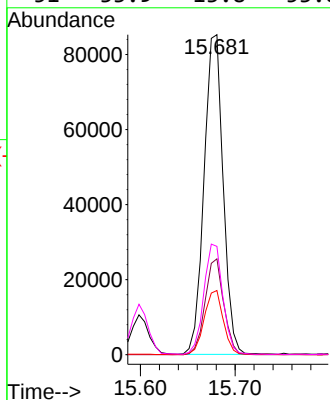
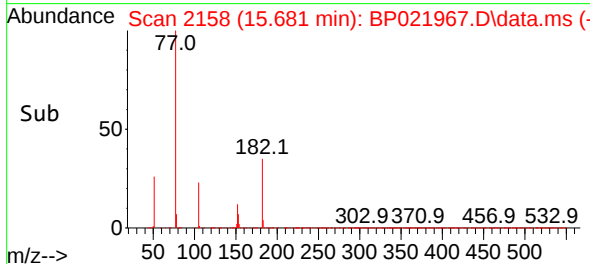
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 77 Resp: 119440
Ion Ratio Lower Upper
77 100
182 29.9 9.6 49.6
105 20.1 0.0 39.8
51 33.9 13.8 53.8

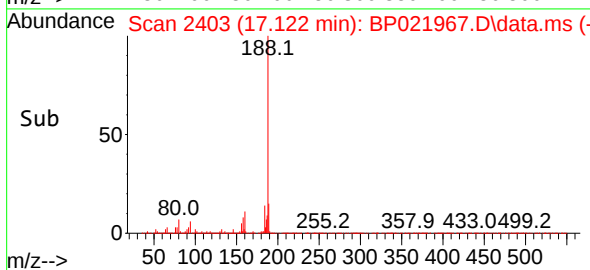
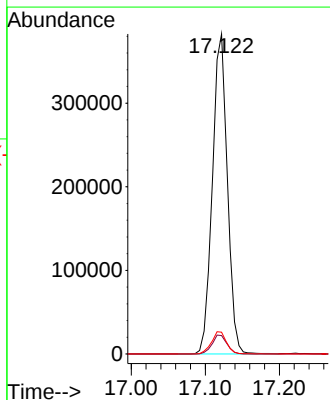
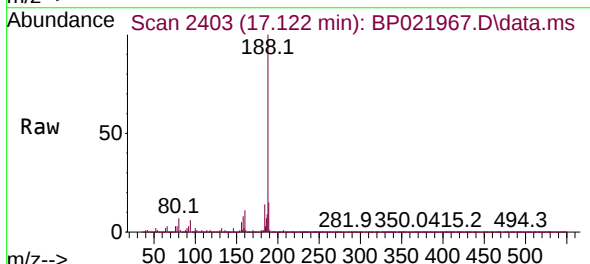
Manual Integrations
APPROVED

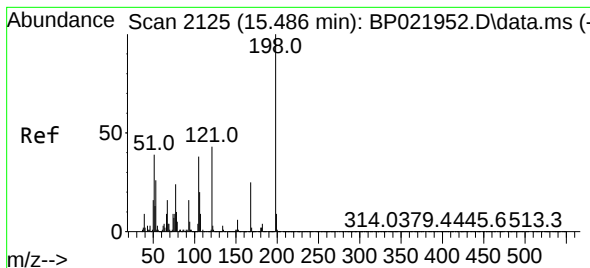
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.122 min Scan# 2403
Delta R.T. -0.017 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:188 Resp: 536509
Ion Ratio Lower Upper
188 100
94 5.7 4.6 6.8
80 6.8 5.4 8.2





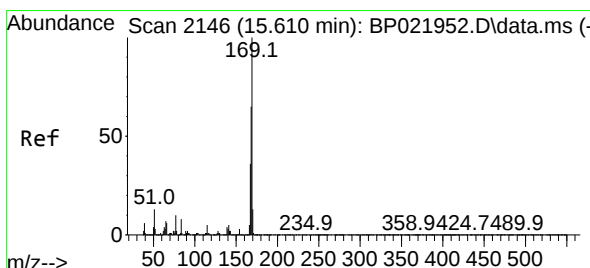
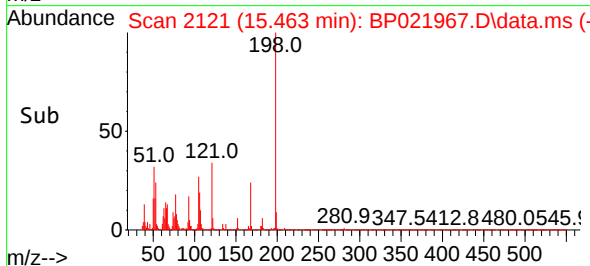
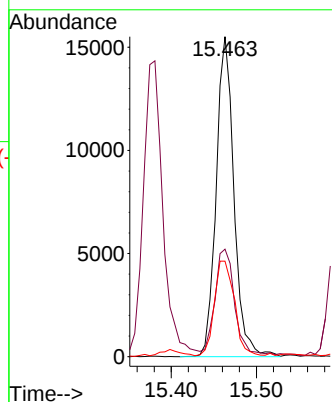
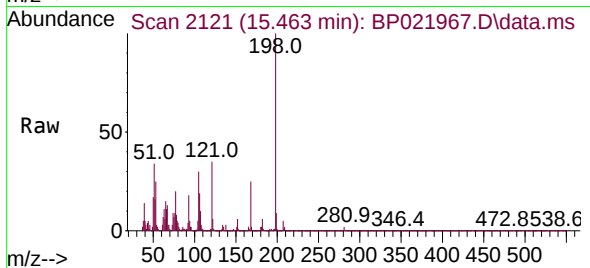
#65
4,6-Dinitro-2-methylphenol
Concen: 7.222 ng
RT: 15.463 min Scan# 2125
Delta R.T. -0.023 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:198 Resp: 2245
Ion Ratio Lower Upper
198 100
51 33.6 20.7 60.7
105 29.8 18.4 58.4

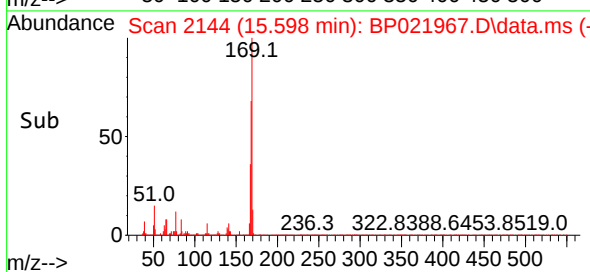
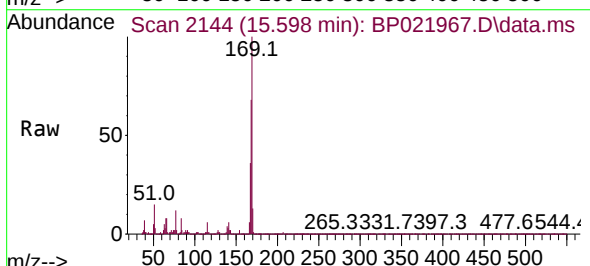
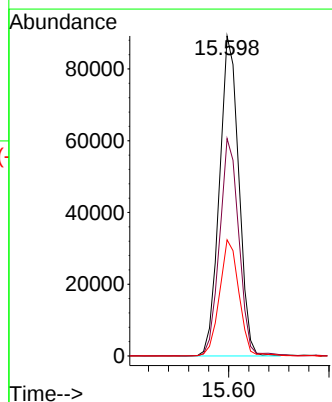
Manual Integrations
APPROVED

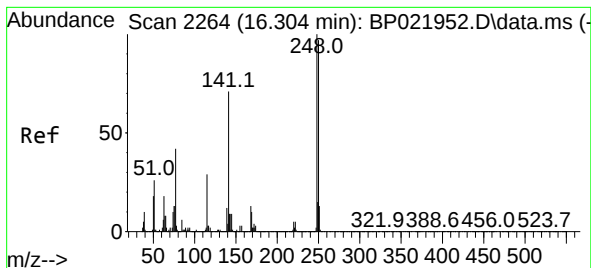
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#66
n-Nitrosodiphenylamine
Concen: 8.909 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:169 Resp: 119012
Ion Ratio Lower Upper
169 100
168 67.9 52.2 78.4
167 36.3 28.6 42.8





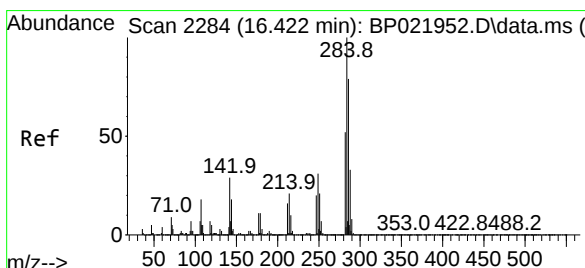
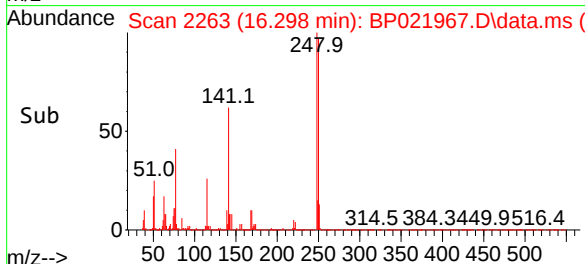
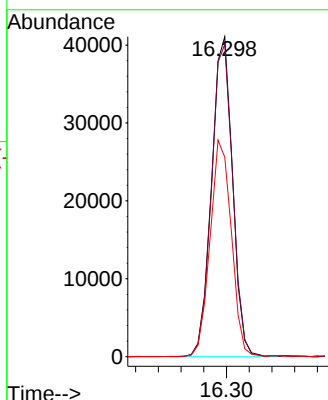
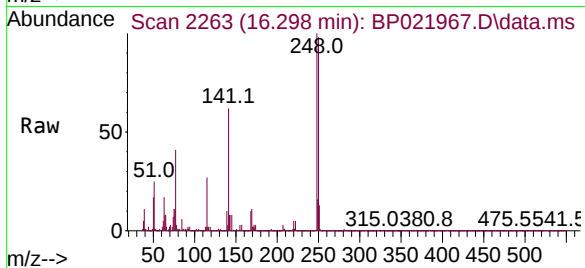
#67
4-Bromophenyl-phenylether
Concen: 8.432 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:248 Resp: 5273
Ion Ratio Lower Upper
248 100
250 97.6 77.5 116.3
141 62.4 56.5 84.7

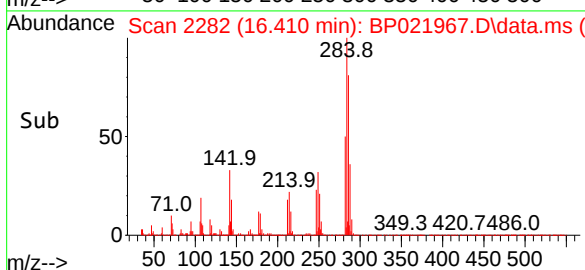
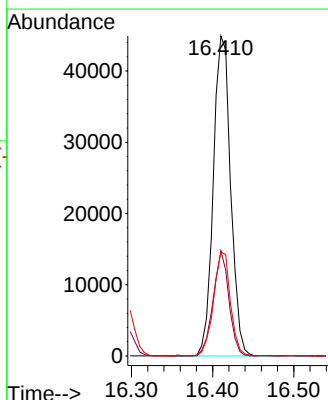
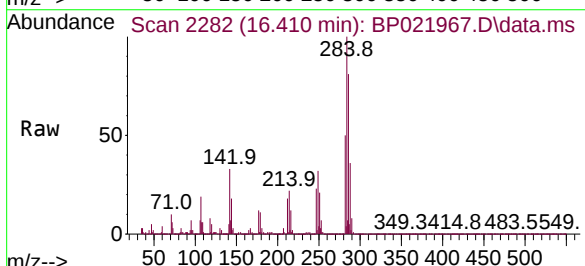
Manual Integrations
APPROVED

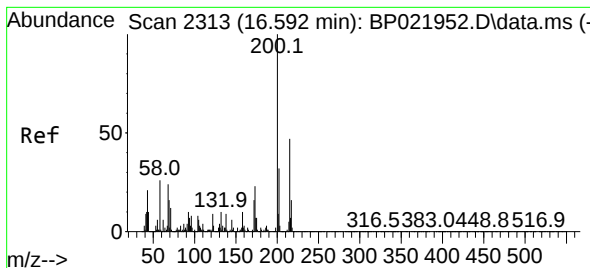
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#68
Hexachlorobenzene
Concen: 8.541 ng
RT: 16.410 min Scan# 2282
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:284 Resp: 66597
Ion Ratio Lower Upper
284 100
142 32.9 22.9 34.3
249 32.5 25.2 37.8





#69

Atrazine

Concen: 10.288 ng

RT: 16.581 min Scan# 2111

Delta R.T. -0.012 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

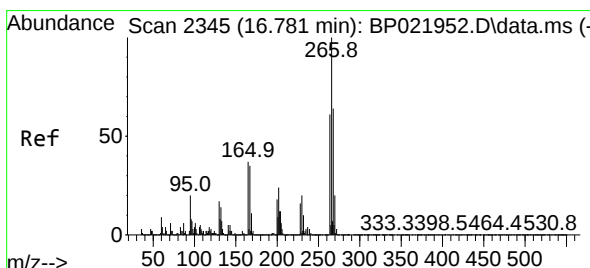
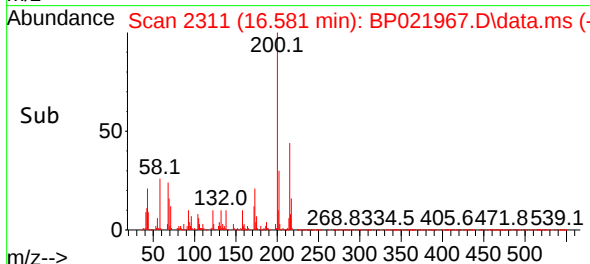
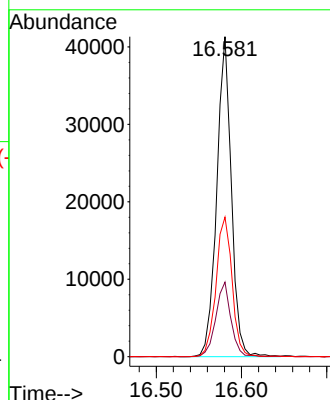
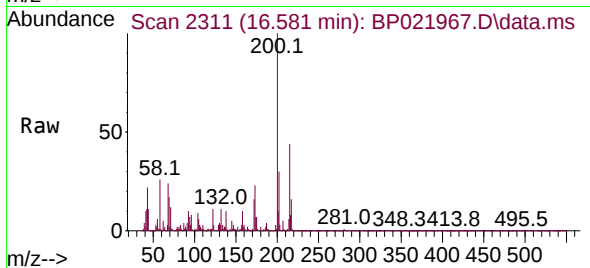
LOQ-SOIL-02-QT2-2024

Tgt Ion:	200	Resp:	4924
Ion Ratio	Lower	Upper	
200	100		
173	23.3	3.0	43.0
215	43.6	27.4	67.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#70

Pentachlorophenol

Concen: 6.954 ng

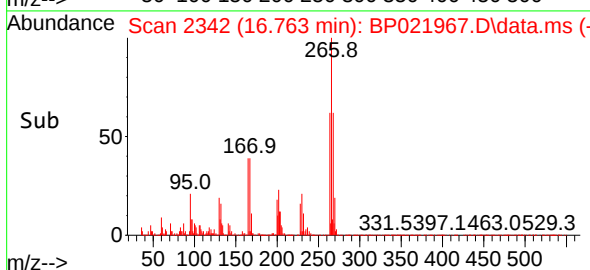
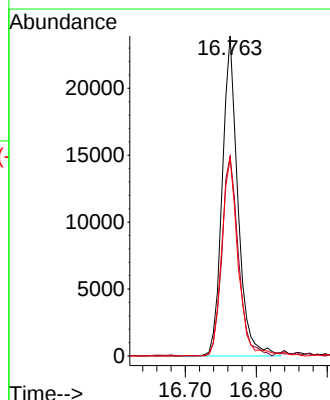
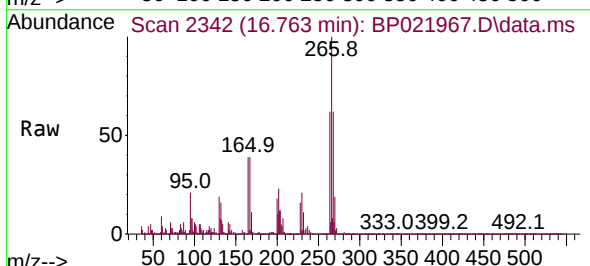
RT: 16.763 min Scan# 2342

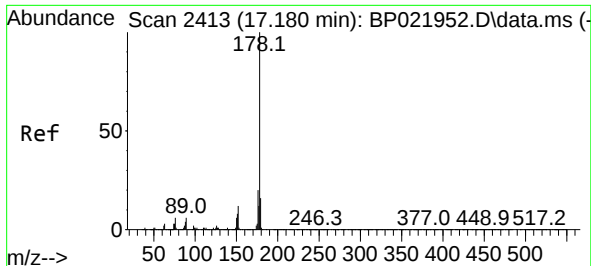
Delta R.T. -0.018 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

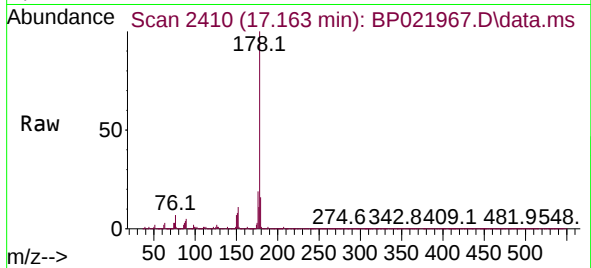
Tgt Ion:	266	Resp:	36482
Ion Ratio	Lower	Upper	
266	100		
268	62.4	51.1	76.7
264	61.8	48.6	72.8





#71
Phenanthrene
Concen: 8.878 ng
RT: 17.163 min Scan# 2413
Delta R.T. -0.017 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

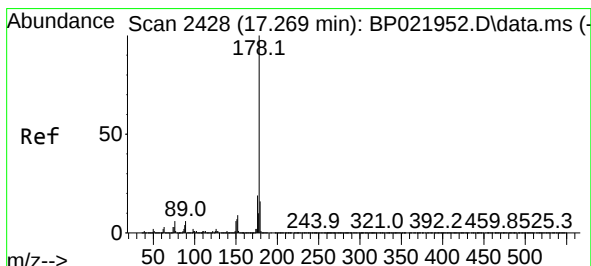
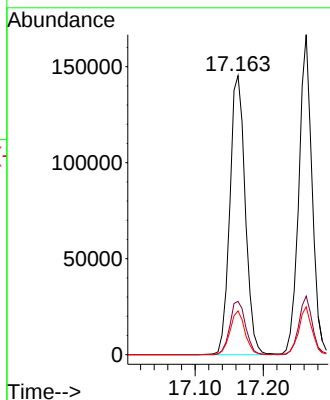
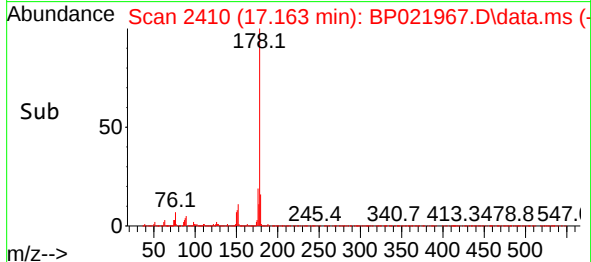
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:178 Resp: 228640
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.7 12.5 18.7

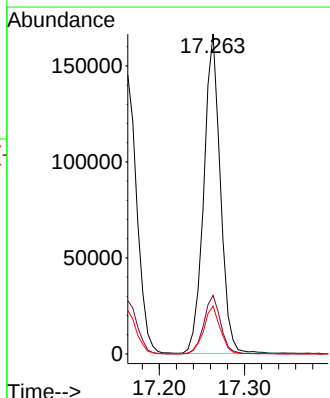
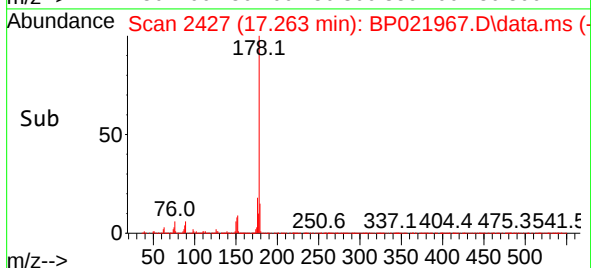
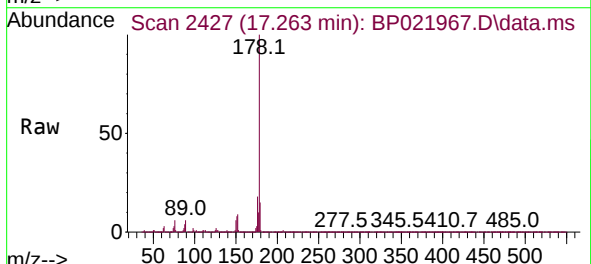
Manual Integrations
APPROVED

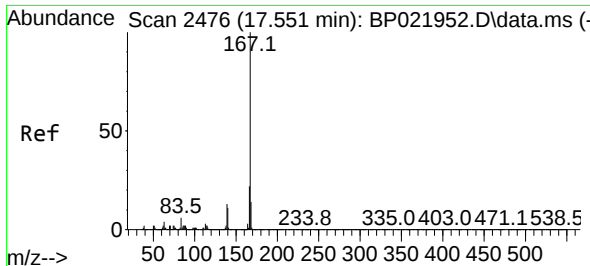
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#72
Anthracene
Concen: 8.993 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

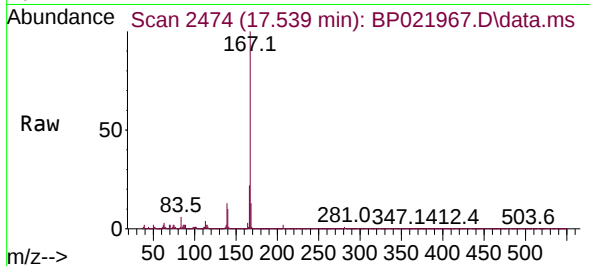
Tgt Ion:178 Resp: 224202
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 14.9 12.6 18.8





#73
 Carbazole
 Concen: 8.599 ng
 RT: 17.539 min Scan# 2476
 Delta R.T. -0.012 min
 Lab File: BP021967.D
 Acq: 20 Sep 2024 14:47

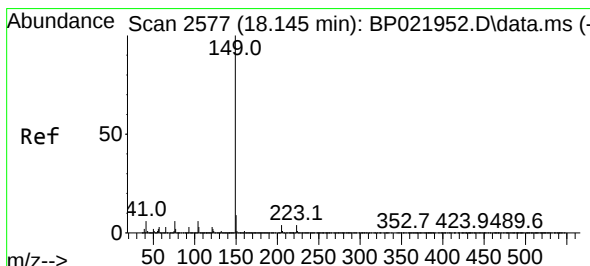
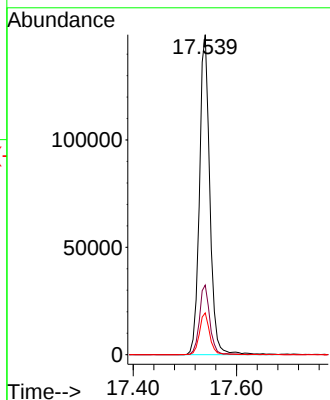
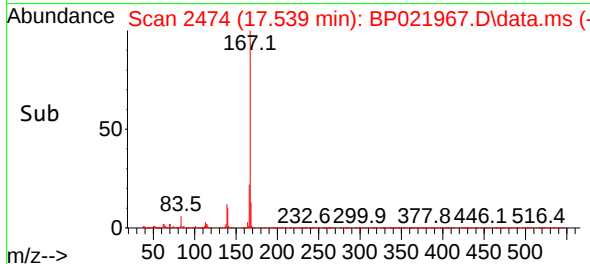
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024



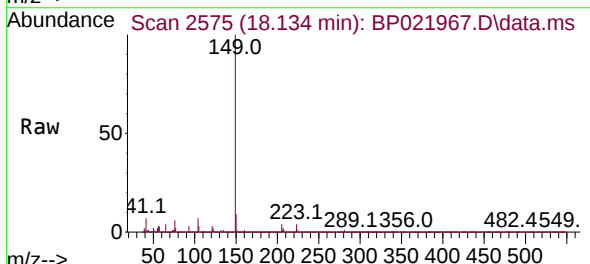
Tgt Ion:167 Resp: 207054
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 13.1 10.5 15.7

Manual Integrations
 APPROVED

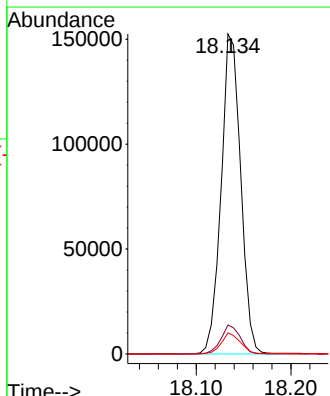
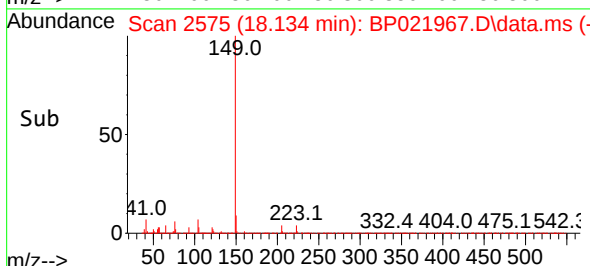
Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024

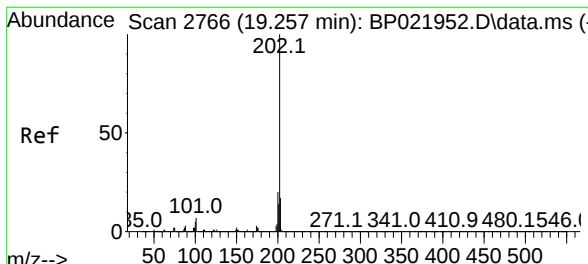


#74
 Di-n-butylphthalate
 Concen: 7.732 ng
 RT: 18.134 min Scan# 2575
 Delta R.T. -0.012 min
 Lab File: BP021967.D
 Acq: 20 Sep 2024 14:47



Tgt Ion:149 Resp: 218659
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.3 10.9
 104 6.6 4.6 6.8



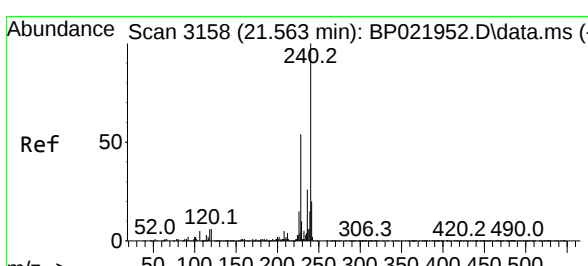
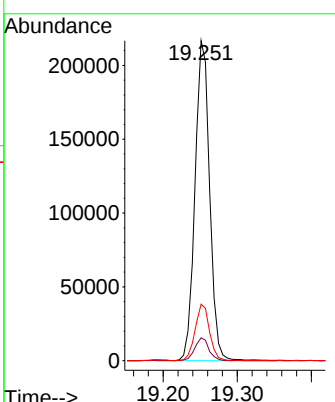
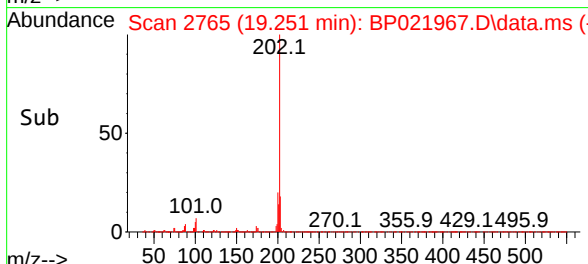
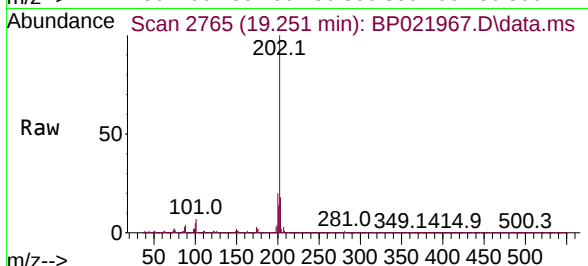


#75
 Fluoranthene
 Concen: 8.275 ng
 RT: 19.251 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP021967.D
 Acq: 20 Sep 2024 14:47

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT2-2024

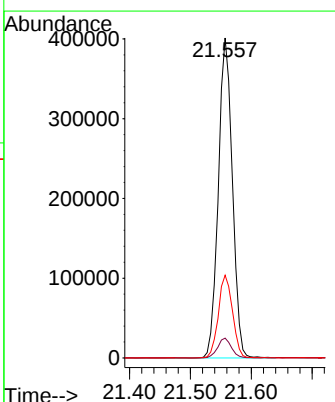
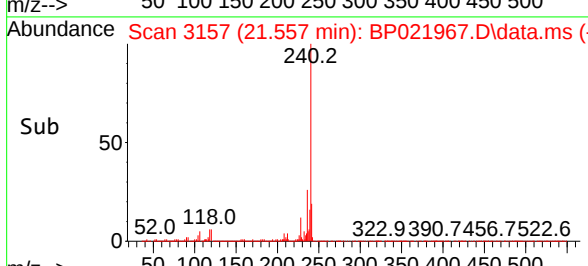
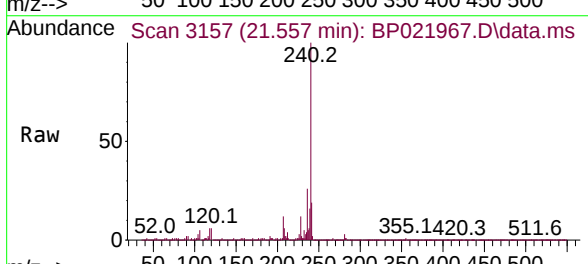
Tgt Ion:	202	Resp:	29745
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	26.5
203	17.6	0.0	37.3

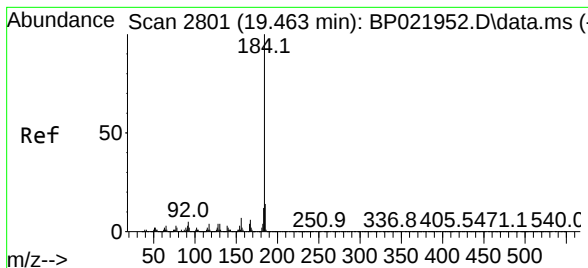
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.557 min Scan# 3157
 Delta R.T. -0.006 min
 Lab File: BP021967.D
 Acq: 20 Sep 2024 14:47

Tgt Ion:	240	Resp:	642535
Ion Ratio	Lower	Upper	
240	100		
120	6.2	5.1	7.7
236	25.8	20.7	31.1





#77

Benzidine

Concen: 17.178 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.017 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

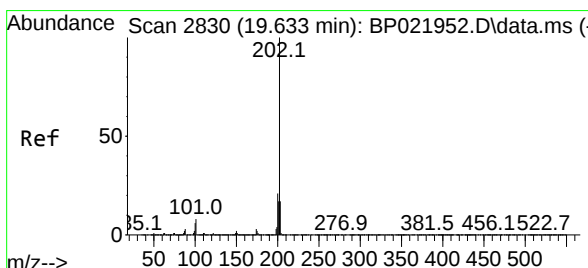
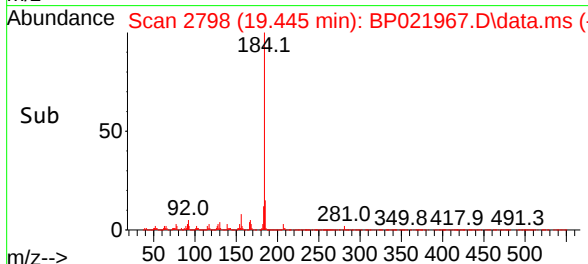
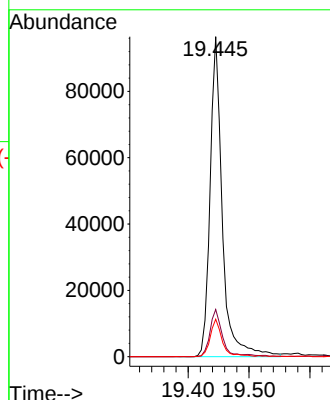
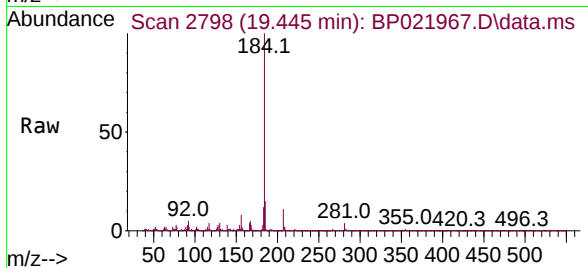
Tgt Ion:184 Resp: 13488

Ion	Ratio	Lower	Upper
184	100		
185	14.7	10.9	16.3
183	11.7	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#78

Pyrene

Concen: 7.961 ng

RT: 19.628 min Scan# 2829

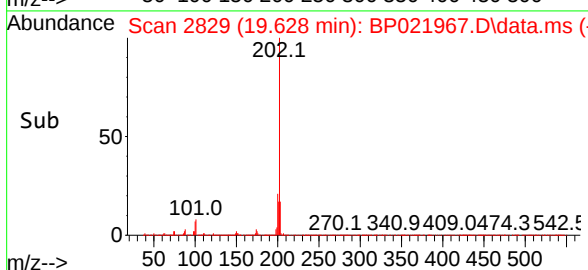
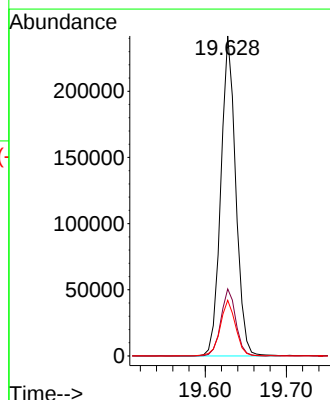
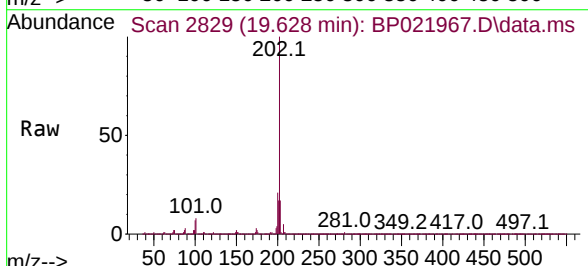
Delta R.T. -0.006 min

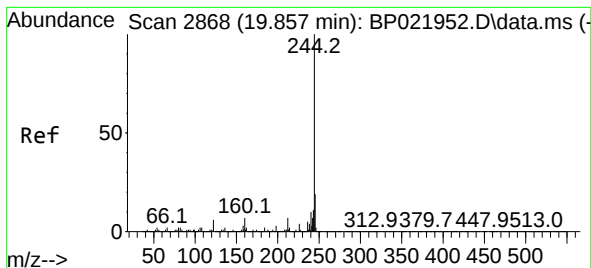
Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Tgt Ion:202 Resp: 309442

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.4	13.8	20.8





#79

Terphenyl-d14

Concen: 67.869 ng

RT: 19.845 min Scan# 2866

Delta R.T. -0.012 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:244 Resp: 232147

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

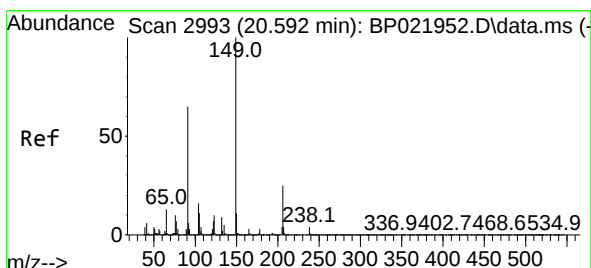
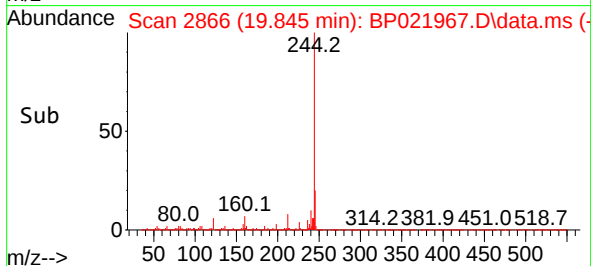
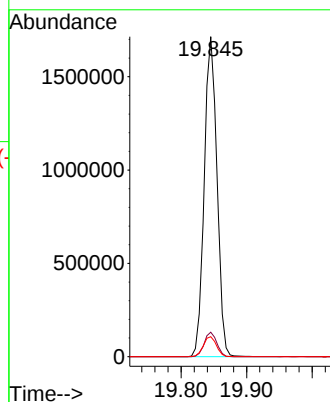
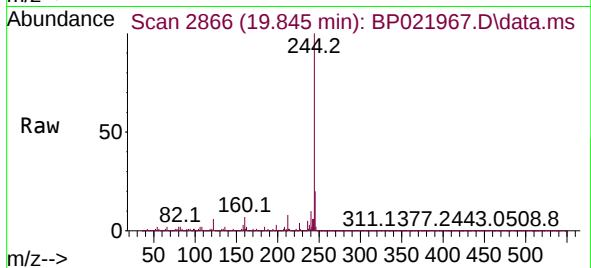
122 6.2 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/24/2024



#80

Butylbenzylphthalate

Concen: 7.413 ng

RT: 20.580 min Scan# 2991

Delta R.T. -0.012 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

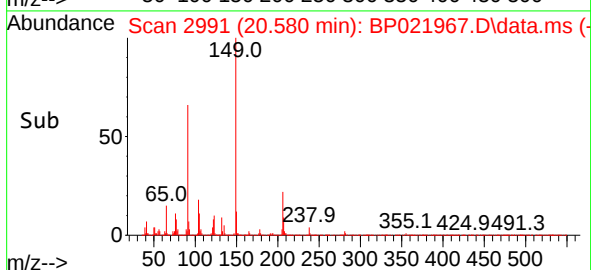
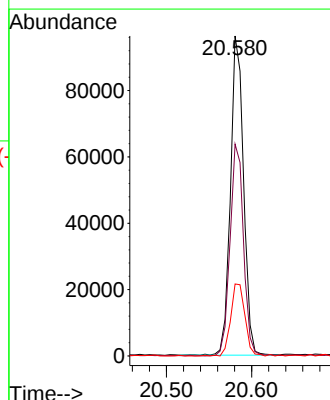
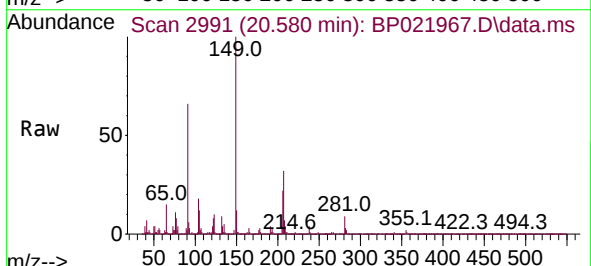
Tgt Ion:149 Resp: 102767

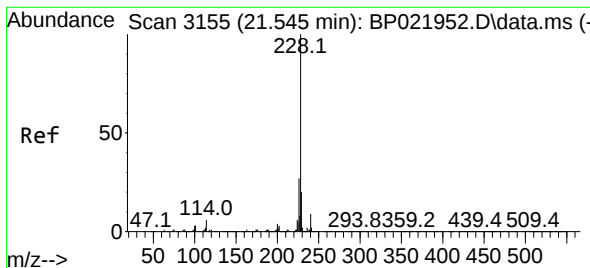
Ion Ratio Lower Upper

149 100

91 66.2 51.9 77.9

206 22.5 20.1 30.1





#81

Benzo(a)anthracene

Concen: 8.664 ng

RT: 21.539 min Scan# 3154

Delta R.T. -0.006 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

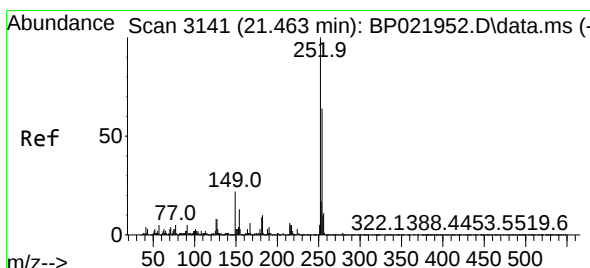
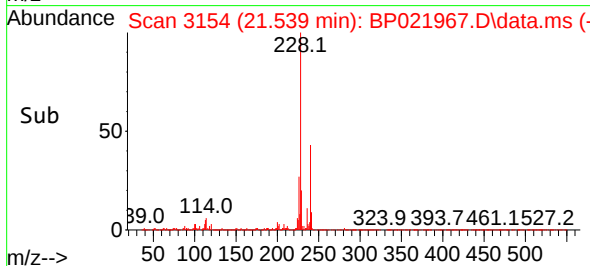
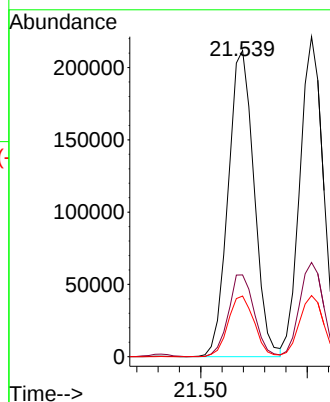
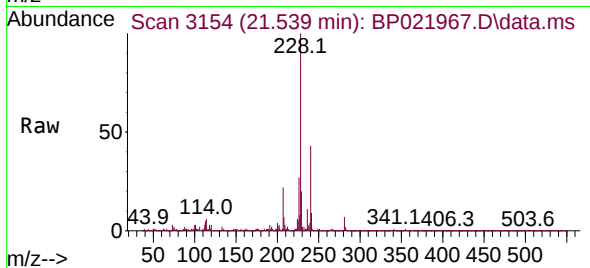
LOQ-SOIL-02-QT2-2024

Tgt Ion:	228	Resp:	357710
Ion Ratio	Lower	Upper	
228	100		
226	26.7	21.5	32.3
229	19.8	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#82

3,3'-Dichlorobenzidine

Concen: 8.244 ng

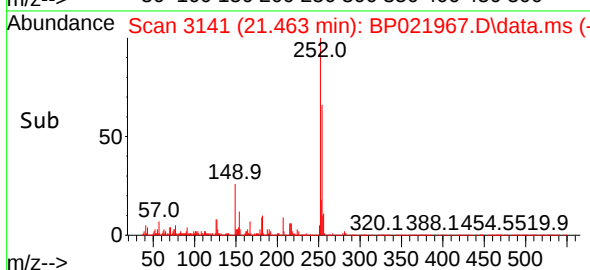
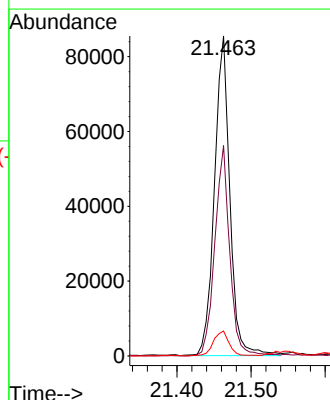
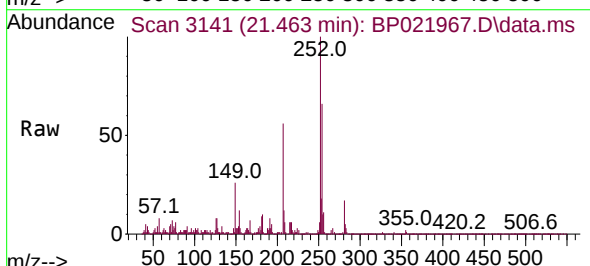
RT: 21.463 min Scan# 3141

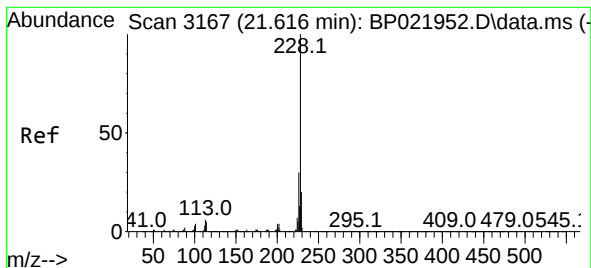
Delta R.T. 0.000 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Tgt Ion:	252	Resp:	123492
Ion Ratio	Lower	Upper	
252	100		
254	65.7	51.4	77.2
126	7.8	6.2	9.4





#83

Chrysene

Concen: 8.681 ng

RT: 21.604 min Scan# 3167

Delta R.T. -0.012 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

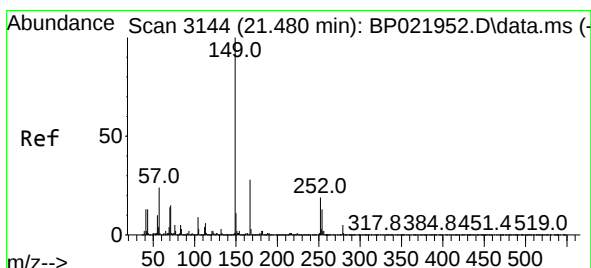
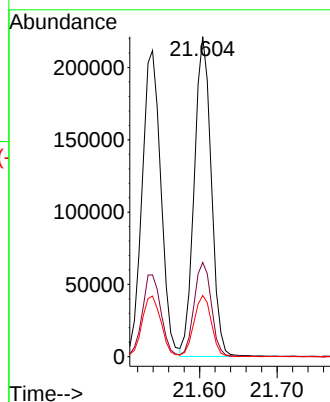
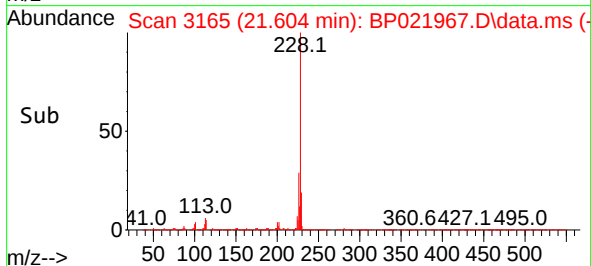
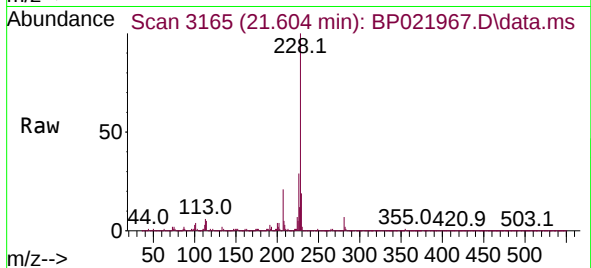
LOQ-SOIL-02-QT2-2024

Tgt Ion:	228	Resp:	33747
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.2	36.4
229	19.1	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.418 ng

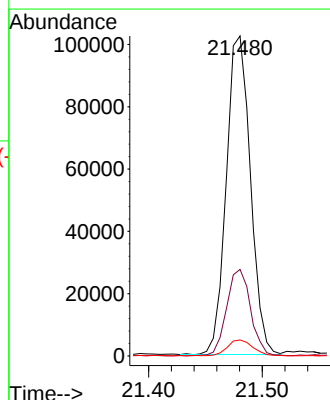
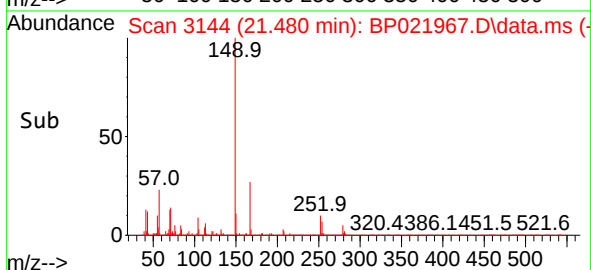
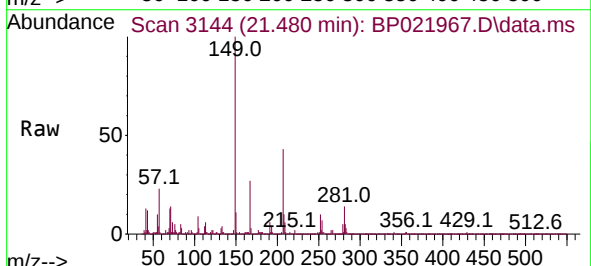
RT: 21.480 min Scan# 3144

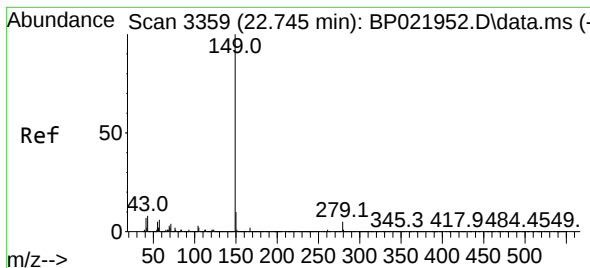
Delta R.T. 0.000 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Tgt Ion:	149	Resp:	150934
Ion Ratio	Lower	Upper	
149	100		
167	27.1	22.3	33.5
279	5.0	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 6.852 ng

RT: 22.733 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

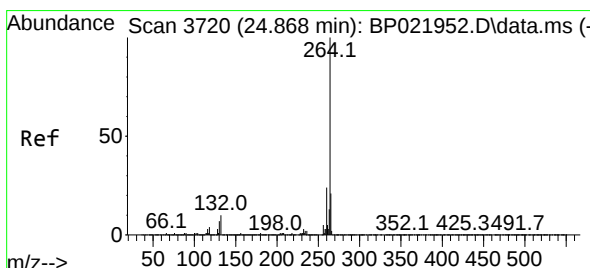
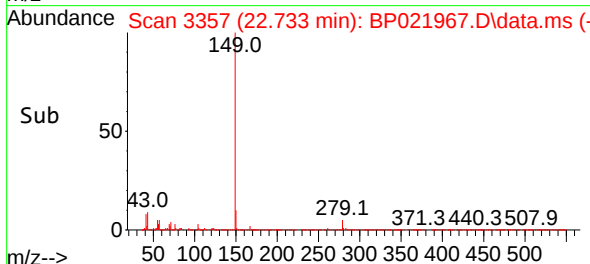
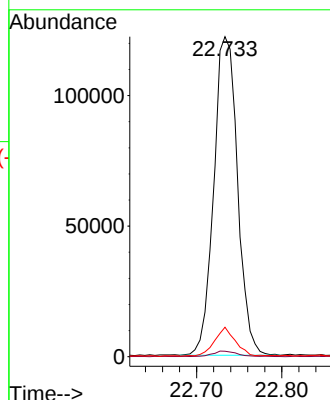
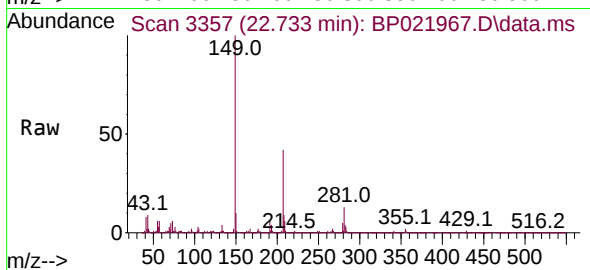
LOQ-SOIL-02-QT2-2024

Tgt Ion:	149	Resp:	23679
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.4	2.0
43	7.9	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#86

Perylene-d12

Concen: 20.000 ng

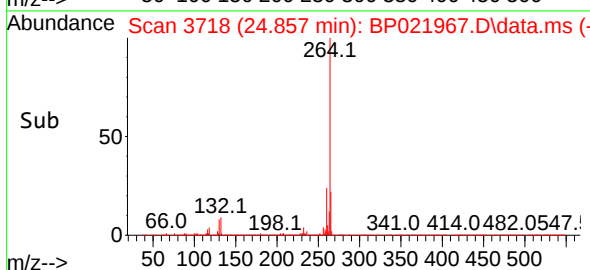
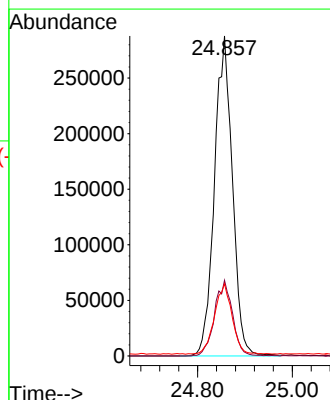
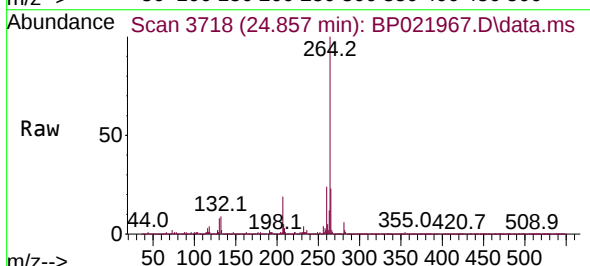
RT: 24.857 min Scan# 3718

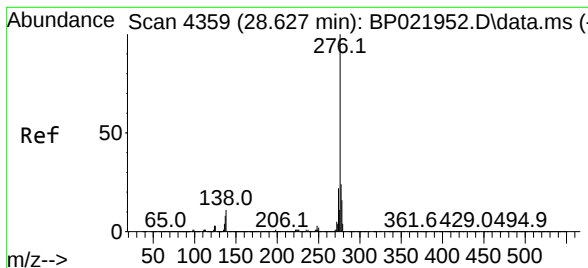
Delta R.T. -0.012 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Tgt Ion:	264	Resp:	758204
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.9	28.3
265	22.5	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.621 ng m

RT: 28.574 min Scan# 4359

Delta R.T. -0.053 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

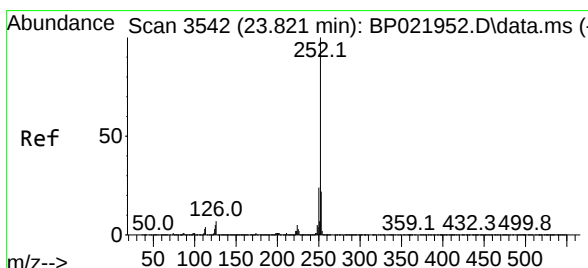
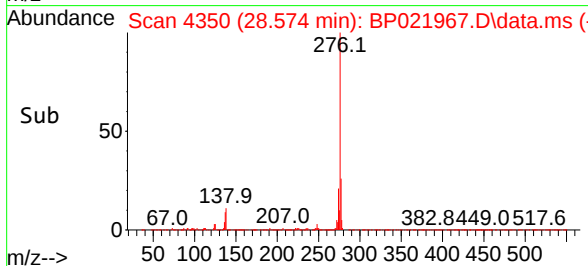
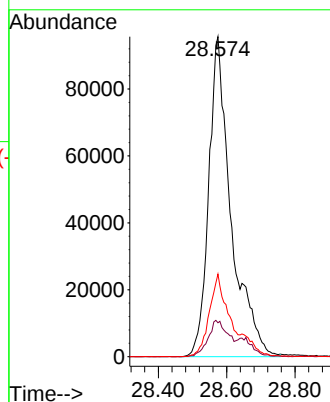
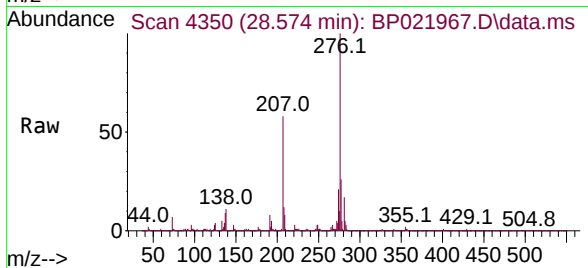
LOQ-SOIL-02-QT2-2024

Tgt Ion:	276	Resp:	434760
Ion Ratio	Lower	Upper	
276	100		
138	10.4	7.8	11.8
277	21.7	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#88

Benzo(b)fluoranthene

Concen: 8.040 ng

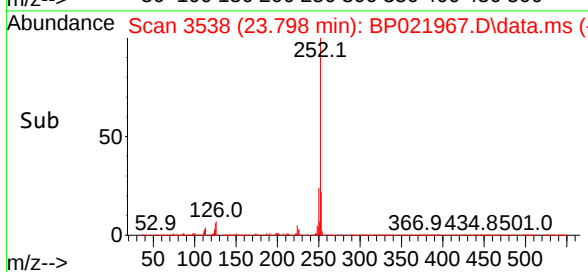
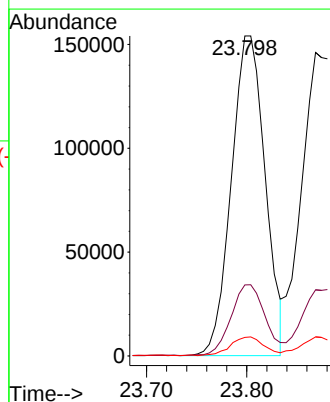
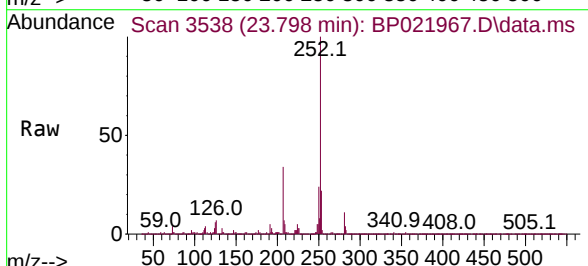
RT: 23.798 min Scan# 3538

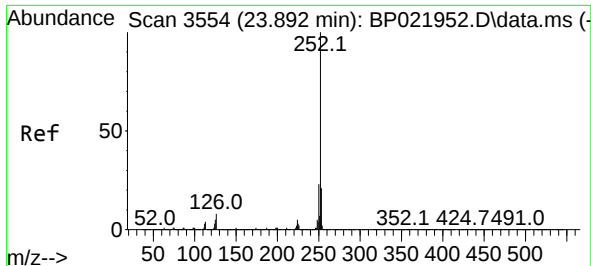
Delta R.T. -0.023 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

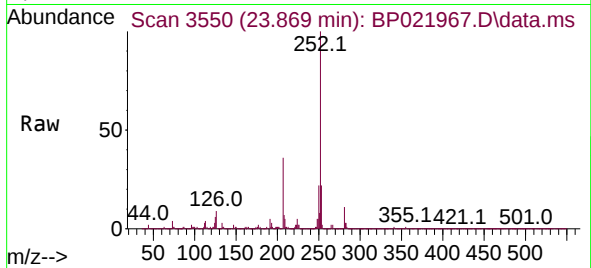
Tgt Ion:	252	Resp:	360531
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.0
125	5.8	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 8.705 ng
RT: 23.869 min Scan# 3554
Delta R.T. -0.023 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

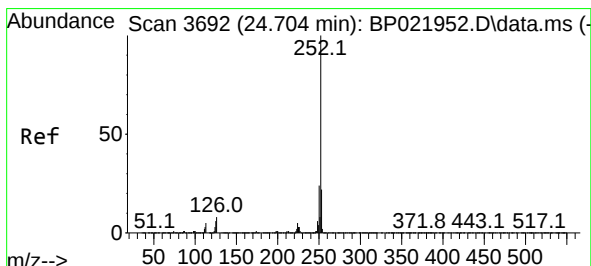
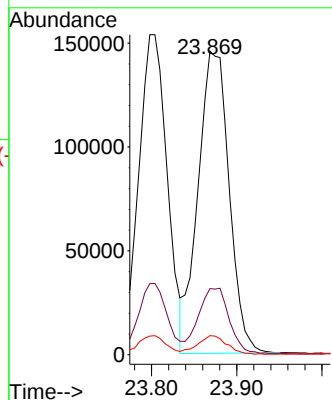
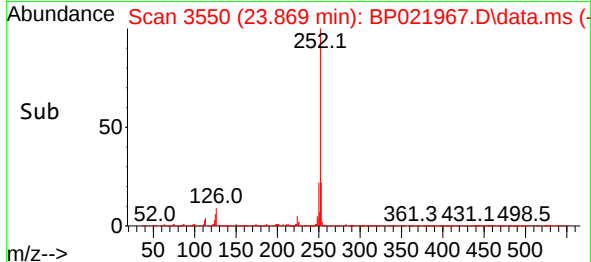
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:252 Resp: 369409
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 6.3 4.3 6.5

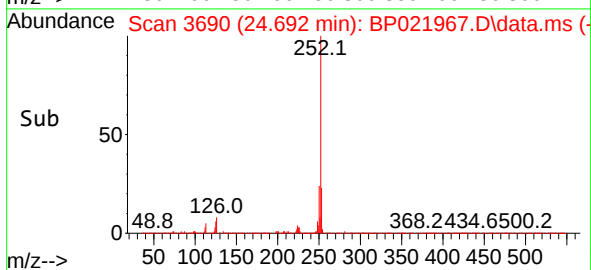
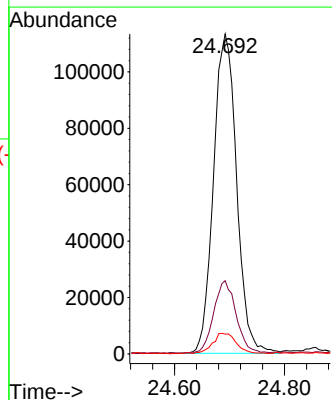
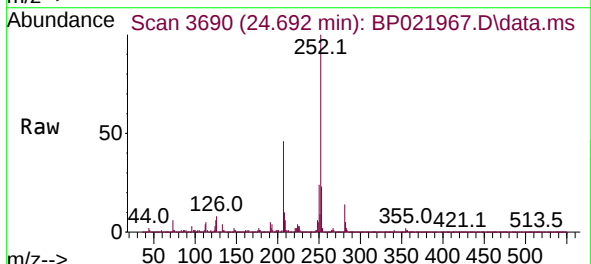
Manual Integrations
APPROVED

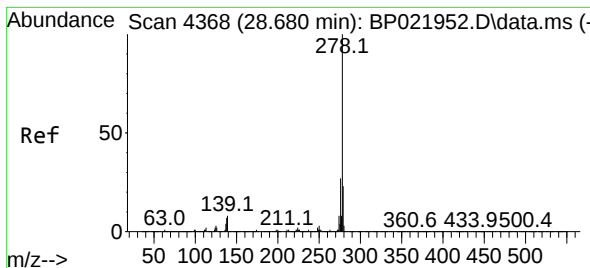
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#90
Benzo(a)pyrene
Concen: 8.563 ng
RT: 24.692 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP021967.D
Acq: 20 Sep 2024 14:47

Tgt Ion:252 Resp: 330784
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 6.2 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 8.516 ng

RT: 28.657 min Scan# 41

Delta R.T. -0.023 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:278 Resp: 354430

Ion Ratio Lower Upper

278 100

139 8.8 6.6 10.0

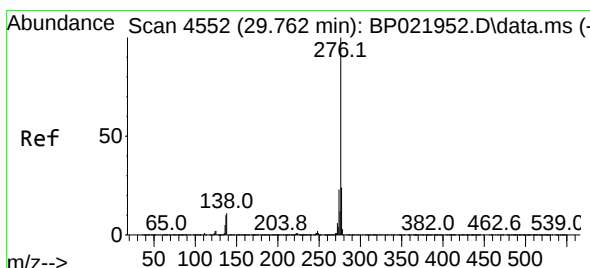
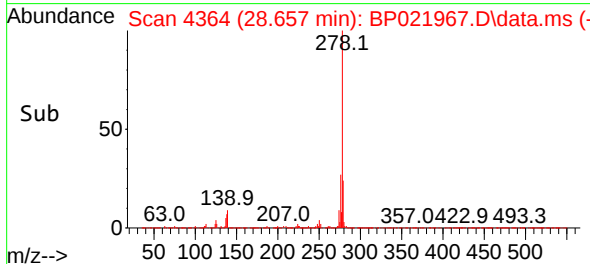
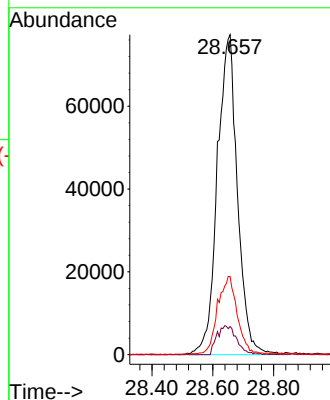
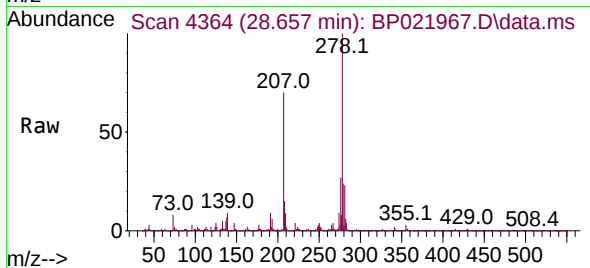
279 24.4 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/24/2024



#92

Benzo(g,h,i)perylene

Concen: 7.947 ng

RT: 29.727 min Scan# 4546

Delta R.T. -0.035 min

Lab File: BP021967.D

Acq: 20 Sep 2024 14:47

Tgt Ion:276 Resp: 338823

Ion Ratio Lower Upper

276 100

277 23.0 19.3 28.9

138 11.8 9.2 13.8

