

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101409.D
 Acq On : 29 Oct 2024 16:20
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL 4 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 29 17:01:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.573	152	194466	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	961068	20.000	ng	0.00
39) Acenaphthene-d10	14.177	164	698358	20.000	ng	0.00
64) Phenanthrene-d10	16.915	188	1618175	20.000	ng	0.00
76) Chrysene-d12	21.075	240	1883551	20.000	ng	0.00
86) Perylene-d12	23.360	264	2370908	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.316	112	1162822	104.802	ng	0.00
7) Phenol-d6	6.950	99	1644739	106.906	ng	0.00
23) Nitrobenzene-d5	8.783	82	1130543	73.885	ng	0.00
42) 2,4,6-Tribromophenol	15.687	330	1337339	109.260	ng	0.00
45) 2-Fluorobiphenyl	12.808	172	2941416	71.330	ng	0.00
79) Terphenyl-d14	19.512	244	4580944	55.976	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.231	88	14370	3.472	ng	99
3) Pyridine	3.801	79	29999m	2.562	ng	
4) n-Nitrosodimethylamine	3.636	42	14711m	3.247	ng	
6) Aniline	7.015	93	58217	4.938	ng	98
8) 2-Chlorophenol	7.214	128	48803	3.667	ng	94
9) Benzaldehyde	6.785	77	34482	4.643	ng	95
10) Phenol	6.973	94	62208m	3.727	ng	
11) bis(2-Chloroethyl)ether	7.044	93	47173m	3.445	ng	
12) 1,3-Dichlorobenzene	7.455	146	51622	3.597	ng	98
13) 1,4-Dichlorobenzene	7.602	146	52322	3.571	ng	98
14) 1,2-Dichlorobenzene	7.931	146	50728	3.537	ng	97
15) Benzyl Alcohol	7.913	79	41655	4.542	ng	# 78
16) 2,2'-oxybis(1-Chloropr...	8.066	45	66813	3.877	ng	99
17) 2-Methylphenol	8.154	107	34014	3.011	ng	96
18) Hexachloroethane	8.630	117	16471	3.442	ng	94
19) n-Nitroso-di-n-propyla...	8.378	70	34340	3.364	ng	98
20) 3+4-Methylphenols	8.495	107	47310	3.034	ng	97
22) Acetophenone	8.425	105	75382	3.454	ng	# 99
24) Nitrobenzene	8.824	77	58287	3.579	ng	98
25) Isophorone	9.277	82	97280	3.258	ng	97
26) 2-Nitrophenol	9.512	139	22963	2.917	ng	98
28) bis(2-Chloroethoxy)met...	9.782	93	59922	3.309	ng	94
29) 2,4-Dichlorophenol	10.058	162	42765	3.121	ng	96
30) 1,2,4-Trichlorobenzene	10.187	180	51034	3.419	ng	97
31) Naphthalene	10.387	128	170641	3.484	ng	99
32) Benzoic acid	9.817	122	10319m	9.055	ng	
33) 4-Chloroaniline	10.616	127	60099	3.529	ng	95
34) Hexachlorobutadiene	10.640	225	29508	3.340	ng	97
35) Caprolactam	11.392	113	12823	2.441	ng	99
36) 4-Chloro-3-methylphenol	11.785	107	47101	3.019	ng	98
37) 2-Methylnaphthalene	11.979	142	120973	3.429	ng	98
38) 1-Methylnaphthalene	12.203	142	115276	3.273	ng	99
40) 1,2,4,5-Tetrachloroben...	12.332	216	60804	3.468	ng	99
43) 2,4,6-Trichlorophenol	12.649	196	37200	3.078	ng	96
44) 2,4,5-Trichlorophenol	12.749	196	41856	3.024	ng	96
46) 1,1'-Biphenyl	13.007	154	177393	3.708	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101409.D
 Acq On : 29 Oct 2024 16:20
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL 4 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 29 17:01:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.055	162	127367	3.369	ng	98
48) 2-Nitroaniline	13.384	65	28481	2.800	ng	97
49) Acenaphthylene	13.912	152	202488	3.622	ng	98
50) Dimethylphthalate	13.683	163	167221	3.392	ng	98
51) 2,6-Dinitrotoluene	13.812	165	33013	2.901	ng	98
52) Acenaphthene	14.241	154	123885	3.394	ng	99
53) 3-Nitroaniline	14.230	138	33551	2.965	ng	98
54) 2,4-Dinitrophenol	14.365	184	10668	6.843	ng	# 92
55) Dibenzofuran	14.582	168	206817	3.555	ng	97
56) 4-Nitrophenol	14.641	139	24374	2.352	ng	93
57) 2,4-Dinitrotoluene	14.600	165	41305	2.636	ng	# 87
58) Fluorene	15.223	166	164697	3.384	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.847	232	41907	3.277	ng	97
60) Diethylphthalate	15.005	149	170764	3.312	ng	98
61) 4-Chlorophenyl-phenyle...	15.211	204	81029	3.355	ng	97
62) 4-Nitroaniline	15.411	138	33151	2.633	ng	98
63) Azobenzene	15.505	77	149543	3.374	ng	98
65) 4,6-Dinitro-2-methylph...	15.346	198	19124	2.011	ng	95
66) n-Nitrosodiphenylamine	15.458	169	145472	3.390	ng	96
67) 4-Bromophenyl-phenylether	16.092	248	56845	3.340	ng	98
68) Hexachlorobenzene	16.198	284	72966	3.270	ng	99
69) Atrazine	16.386	200	53860	4.094	ng	95
70) Pentachlorophenol	16.609	266	32468	2.528	ng	94
71) Phenanthrene	16.956	178	287062	3.705	ng	97
72) Anthracene	17.044	178	259126	3.425	ng	97
73) Carbazole	17.367	167	266997	3.449	ng	98
74) Di-n-butylphthalate	17.820	149	298203	3.499	ng	97
75) Fluoranthene	18.959	202	343330	3.649	ng	96
77) Benzidine	19.218	184	67224	2.812	ng	97
78) Pyrene	19.324	202	374535	3.616	ng	96
80) Butylbenzylphthalate	20.181	149	155151	3.417	ng	98
81) Benzo(a)anthracene	21.051	228	416729	3.936	ng	94
82) 3,3'-Dichlorobenzidine	21.028	252	137970	3.327	ng	96
83) Chrysene	21.110	228	409341	3.999	ng	92
84) Bis(2-ethylhexyl)phtha...	20.881	149	201538	3.341	ng	# 96
85) Di-n-octyl phthalate	21.727	149	344472	3.479	ng	100
87) Indeno(1,2,3-cd)pyrene	25.663	276	571649	3.603	ng	99
88) Benzo(b)fluoranthene	22.643	252	434141	3.514	ng	98
89) Benzo(k)fluoranthene	22.690	252	449800	3.897	ng	97
90) Benzo(a)pyrene	23.243	252	401252	3.713	ng	98
91) Dibenzo(a,h)anthracene	25.657	278	473245	3.610	ng	99
92) Benzo(g,h,i)perylene	26.409	276	446449	3.305	ng	99

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

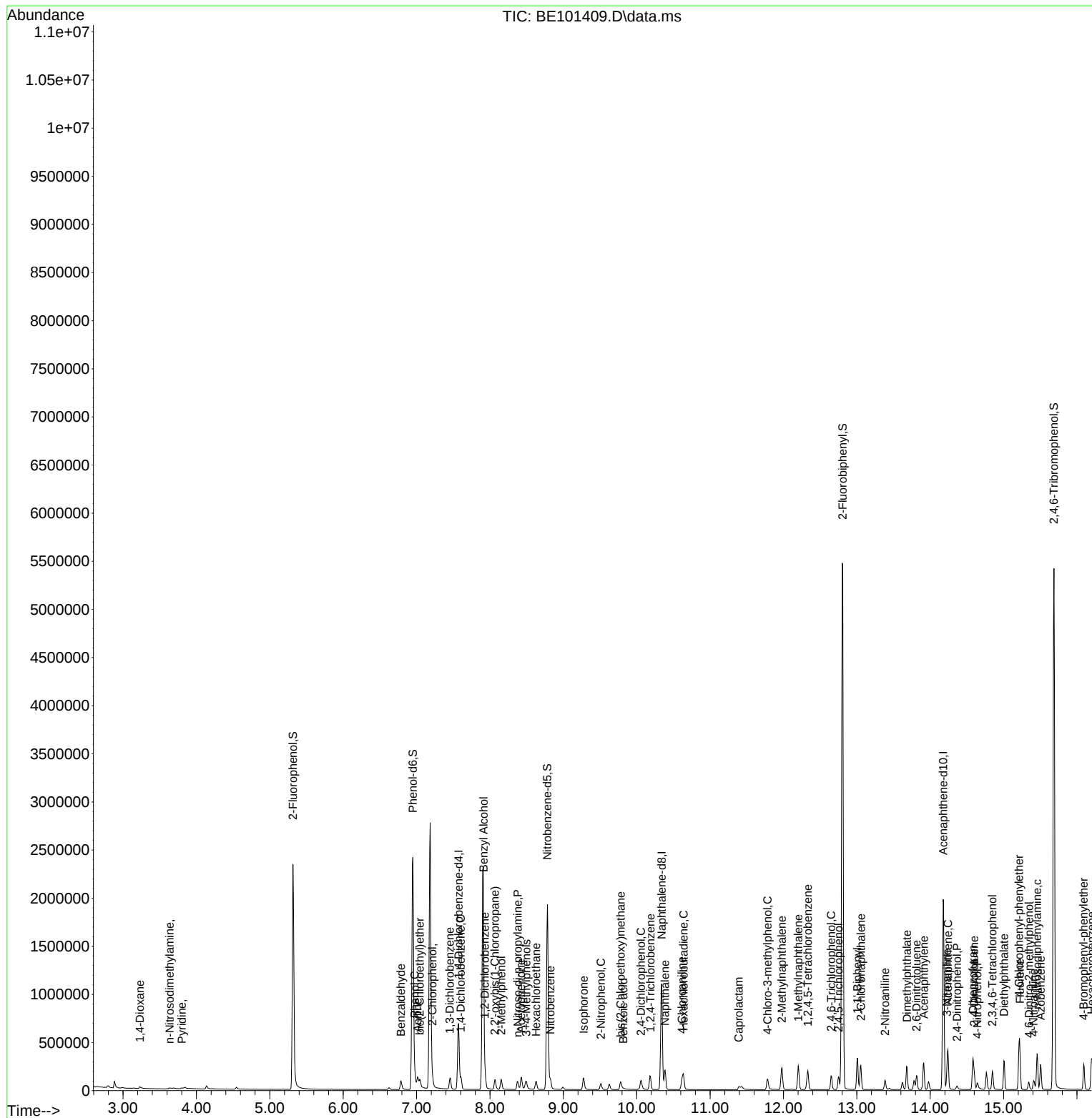
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
Data File : BE101409.D
Acq On : 29 Oct 2024 16:20
Operator : RC/JU
Sample : P4368-01
Misc : LOD-MDL-SOIL 4 PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 29 17:01:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



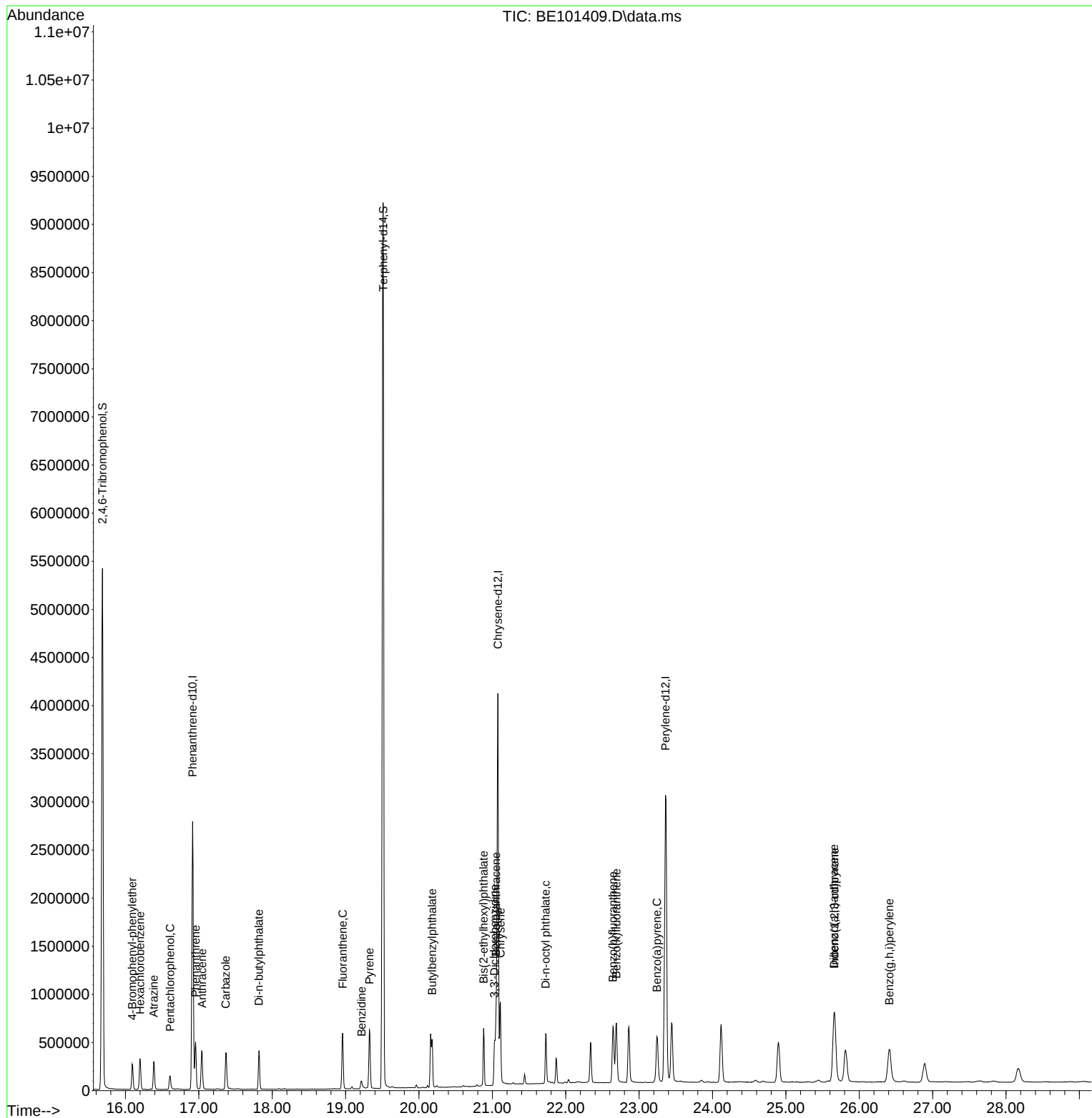
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
Data File : BE101409.D
Acq On : 29 Oct 2024 16:20
Operator : RC/JU
Sample : P4368-01
Misc : LOD-MDL-SOIL 4 PPM
ALS Vial : 11 Sample Multiplier: 1

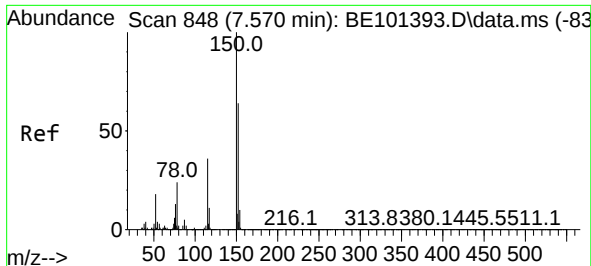
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 29 17:01:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

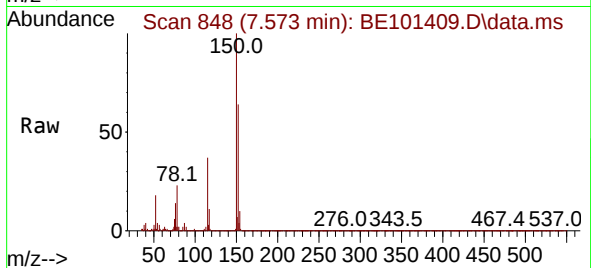
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.573 min Scan# 848
Delta R.T. 0.003 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

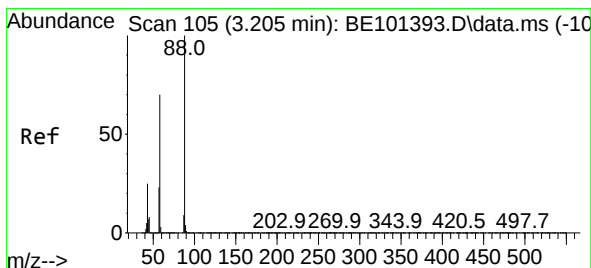
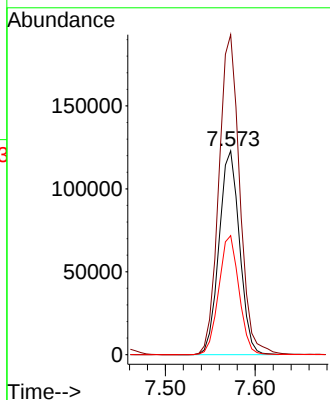
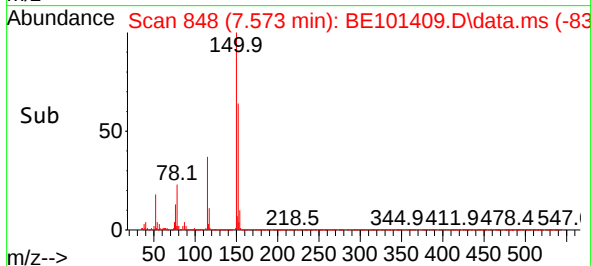
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



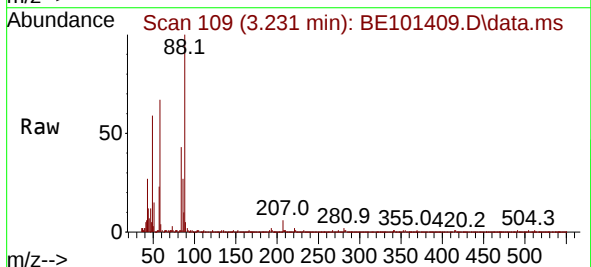
Tgt Ion:152 Resp: 194460
Ion Ratio Lower Upper
152 100
150 157.0 124.2 186.4
115 58.4 45.3 67.9

Manual Integrations
APPROVED

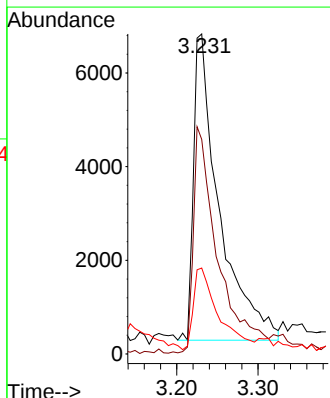
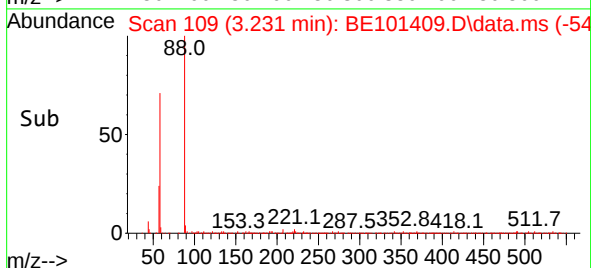
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

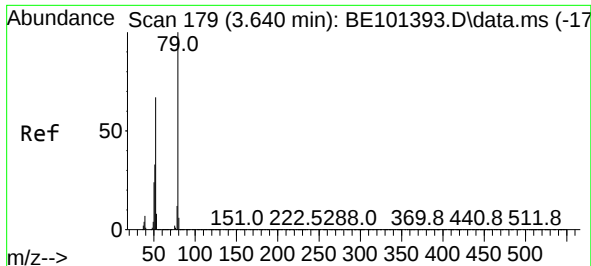


#2
1,4-Dioxane
Concen: 3.472 ng
RT: 3.231 min Scan# 109
Delta R.T. 0.026 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20



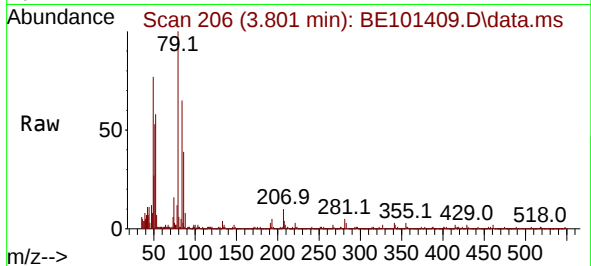
Tgt Ion: 88 Resp: 14370
Ion Ratio Lower Upper
88 100
58 70.8 56.5 84.7
43 25.8 19.8 29.8





#3
Pyridine
Concen: 2.562 ng m
RT: 3.801 min Scan# 206
Delta R.T. 0.161 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

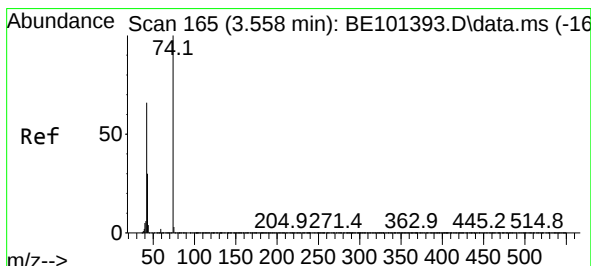
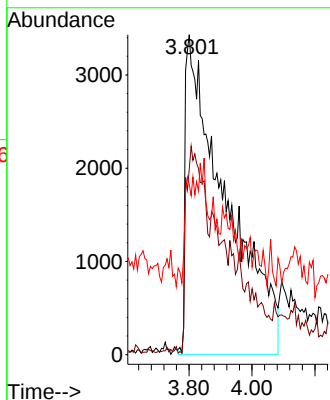
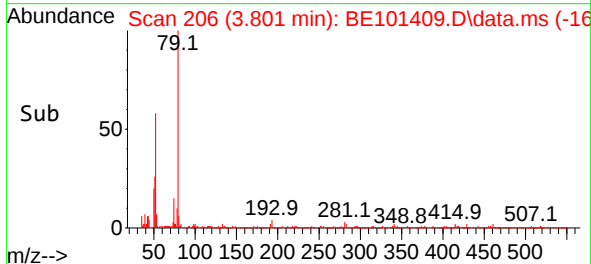
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



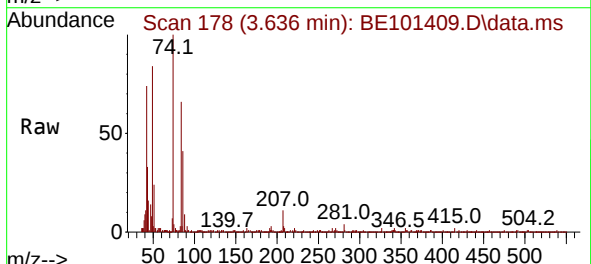
Tgt Ion: 79 Resp: 2999
Ion Ratio Lower Upper
79 100
52 57.9 53.3 79.9
51 53.3 27.3 40.9

Manual Integrations
APPROVED

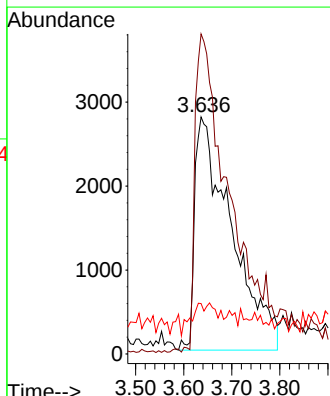
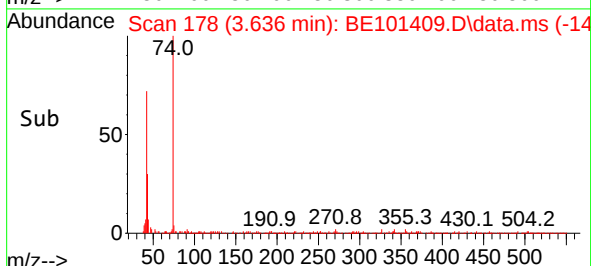
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

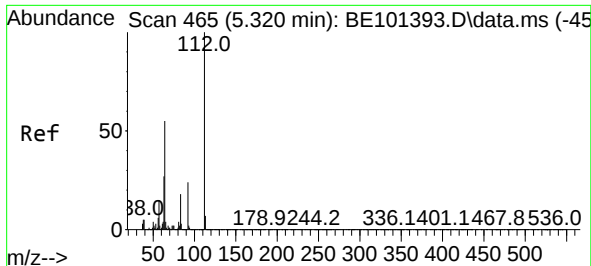


#4
n-Nitrosodimethylamine
Concen: 3.247 ng m
RT: 3.636 min Scan# 178
Delta R.T. 0.079 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20



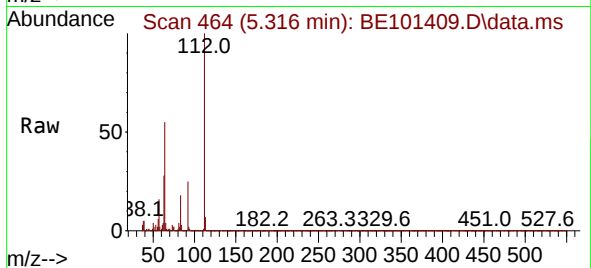
Tgt Ion: 42 Resp: 14711
Ion Ratio Lower Upper
42 100
74 135.1 121.4 182.0
44 21.3 5.6 8.4





#5
2-Fluorophenol
Concen: 104.802 ng
RT: 5.316 min Scan# 40
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

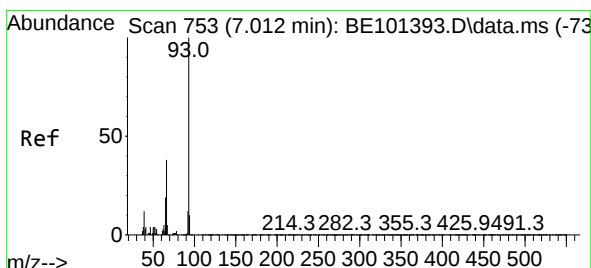
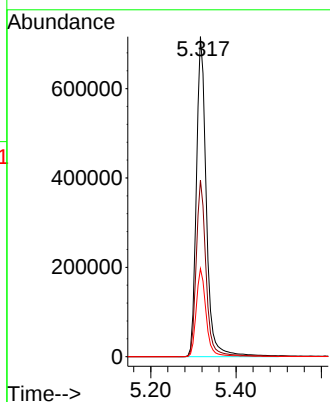
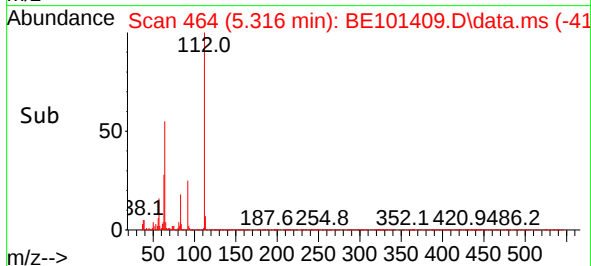
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:112 Resp: 116282
Ion Ratio Lower Upper
112 100
64 55.2 43.7 65.5
63 27.5 21.4 32.2

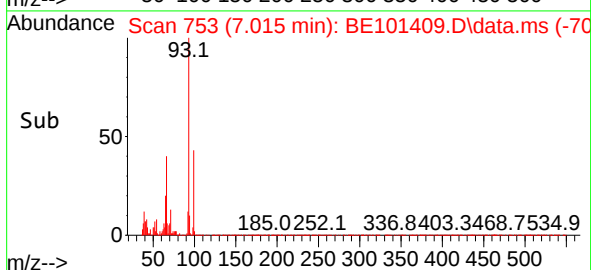
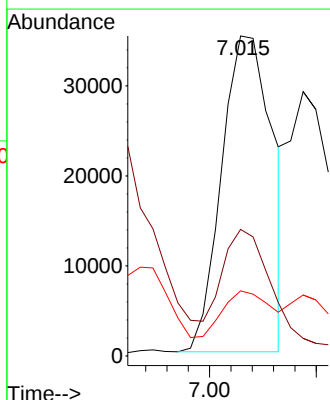
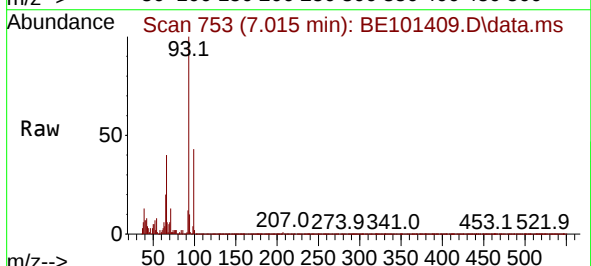
Manual Integrations
APPROVED

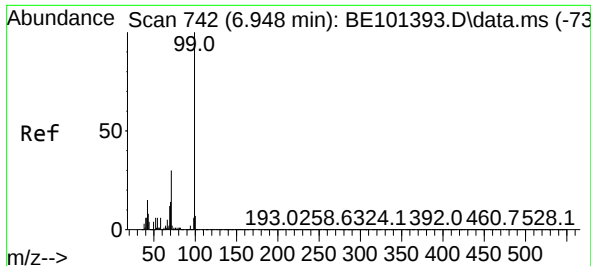
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#6
Aniline
Concen: 4.938 ng
RT: 7.015 min Scan# 753
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

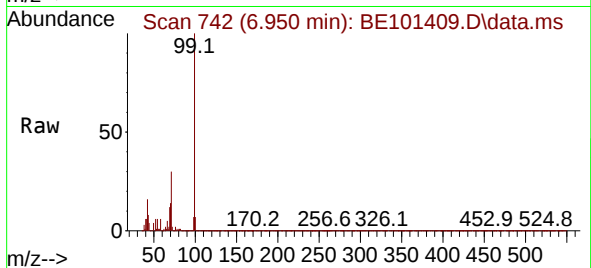
Tgt Ion: 93 Resp: 58217
Ion Ratio Lower Upper
93 100
66 39.6 31.0 46.4
65 20.3 15.5 23.3





#7
Phenol-d6
Concen: 106.906 ng
RT: 6.950 min Scan# 742
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

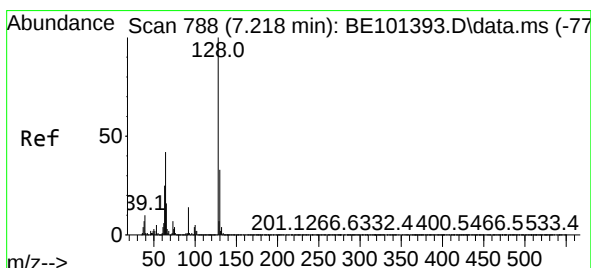
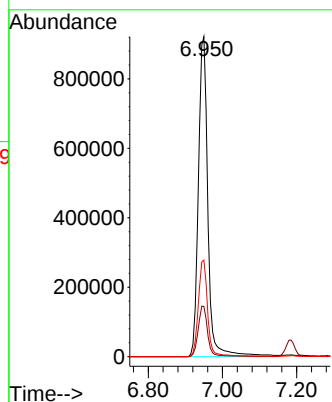
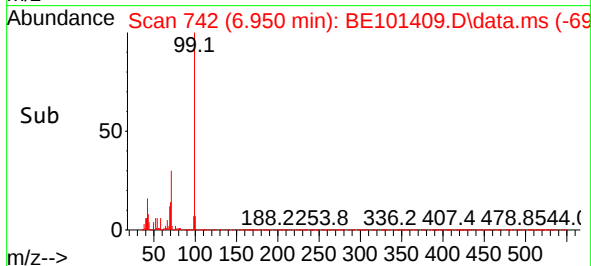
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



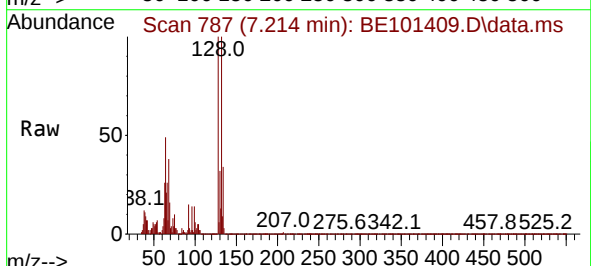
Tgt Ion: 99 Resp: 1644739
Ion Ratio Lower Upper
99 100
42 15.7 12.3 18.5
71 30.2 23.8 35.8

Manual Integrations
APPROVED

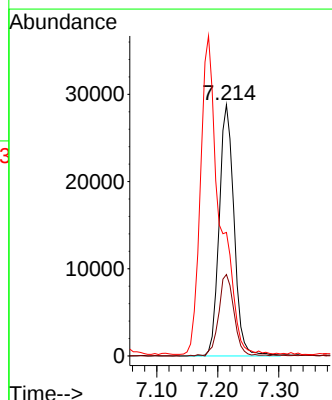
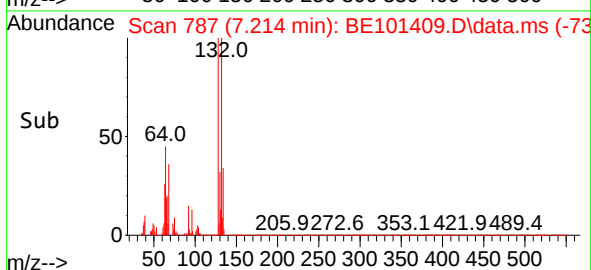
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

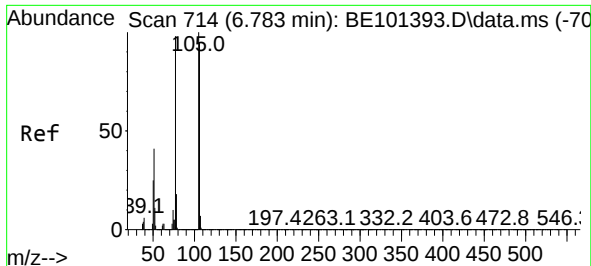


#8
2-Chlorophenol
Concen: 3.667 ng
RT: 7.214 min Scan# 787
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20



Tgt Ion:128 Resp: 48803
Ion Ratio Lower Upper
128 100
130 32.4 12.9 52.9
64 49.2 22.3 62.3





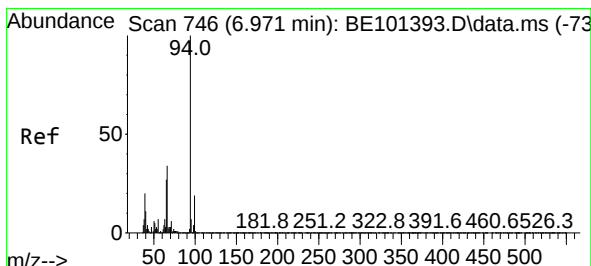
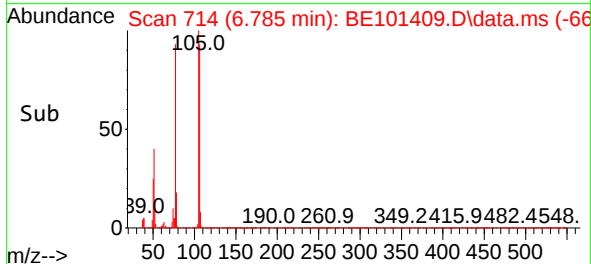
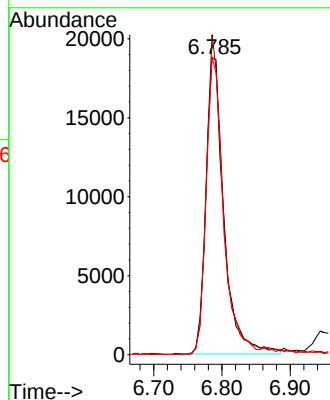
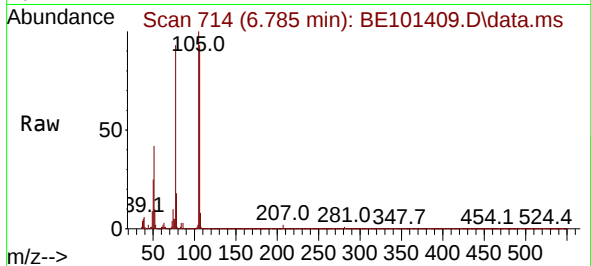
#9
Benzaldehyde
Concen: 4.643 ng
RT: 6.785 min Scan# 714
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 77 Resp: 3448
Ion Ratio Lower Upper
77 100
105 107.7 81.9 121.9
106 100.2 76.5 116.5

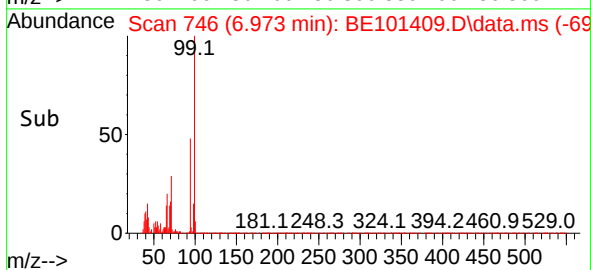
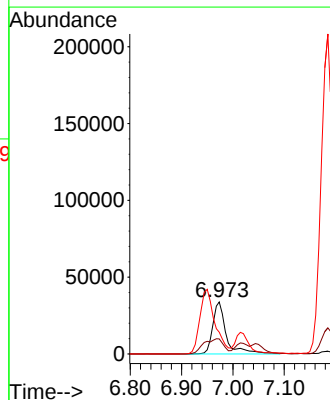
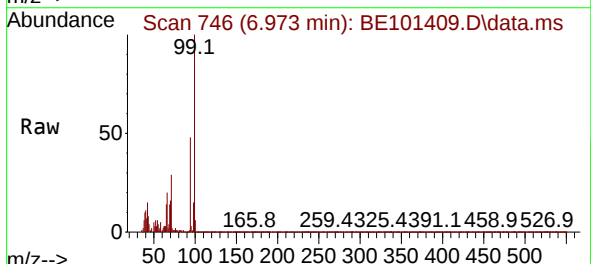
Manual Integrations
APPROVED

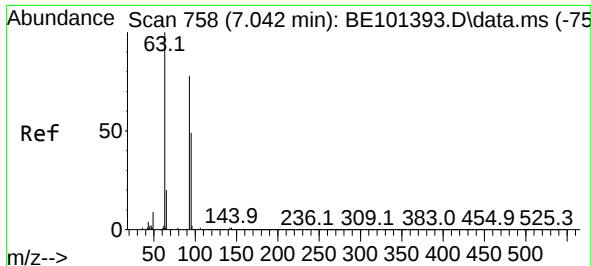
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#10
Phenol
Concen: 3.727 ng m
RT: 6.973 min Scan# 746
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

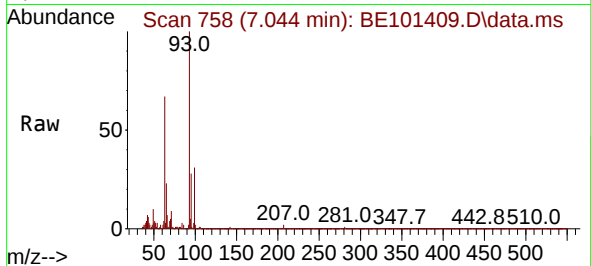
Tgt Ion: 94 Resp: 62208
Ion Ratio Lower Upper
94 100
65 28.8 6.8 46.8
66 41.7 14.0 54.0





#11
bis(2-Chloroethyl)ether
Concen: 3.445 ng m
RT: 7.044 min Scan# 7
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

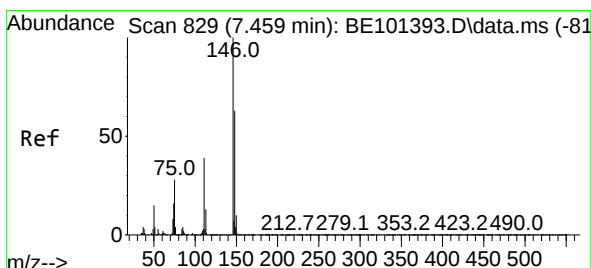
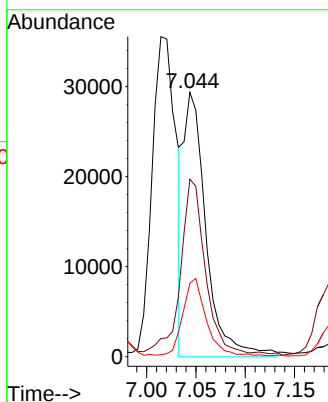
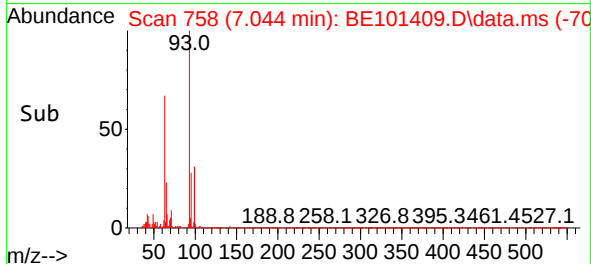
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 93 Resp: 4717
Ion Ratio Lower Upper
93 100
63 67.2 46.3 86.3
95 27.8 9.6 49.6

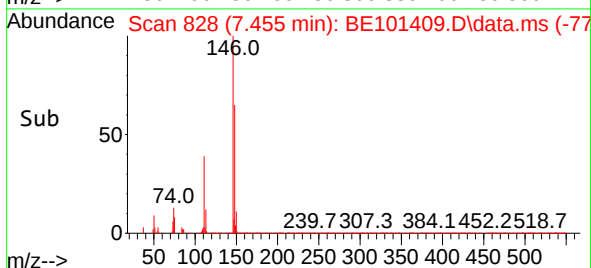
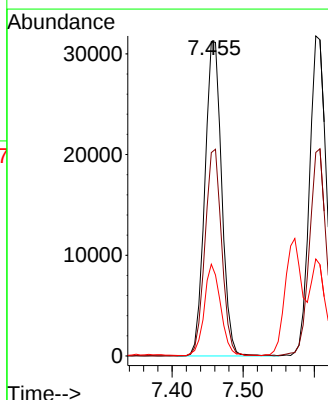
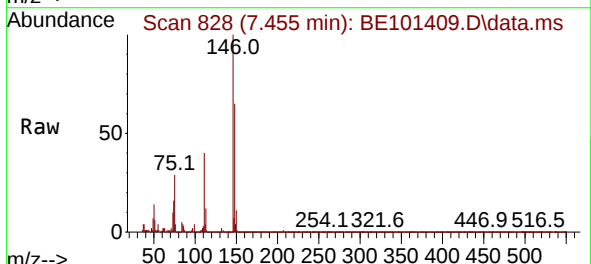
Manual Integrations
APPROVED

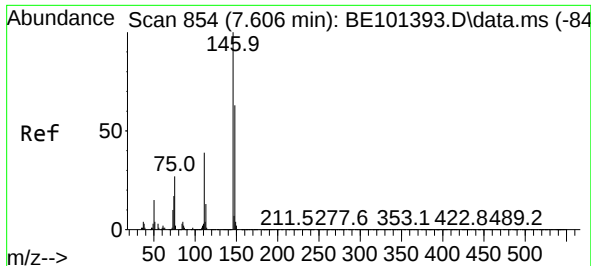
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#12
1,3-Dichlorobenzene
Concen: 3.597 ng
RT: 7.455 min Scan# 828
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:146 Resp: 51622
Ion Ratio Lower Upper
146 100
148 64.7 50.5 75.7
75 29.2 22.0 33.0





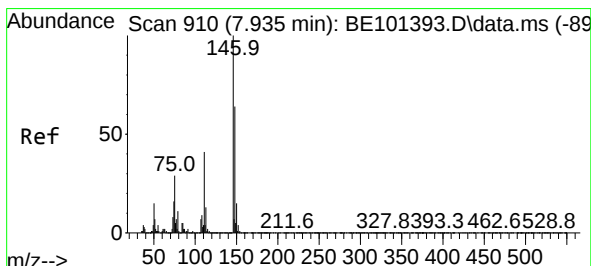
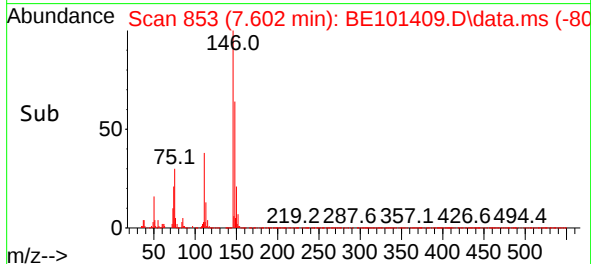
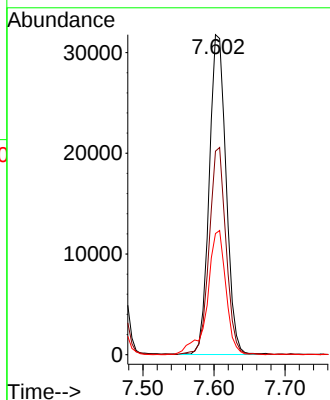
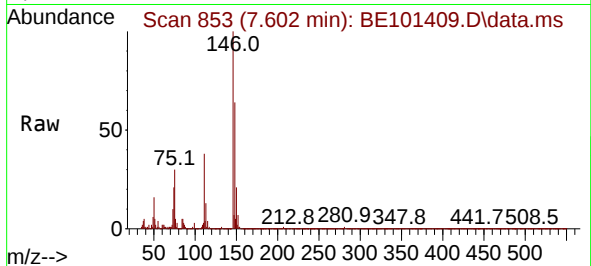
#13
1,4-Dichlorobenzene
Concen: 3.571 ng
RT: 7.602 min Scan# 81
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:146 Resp: 5232
Ion Ratio Lower Upper
146 100
148 63.6 50.2 75.2
111 37.9 31.6 47.4

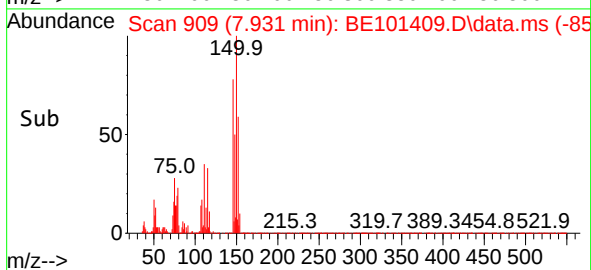
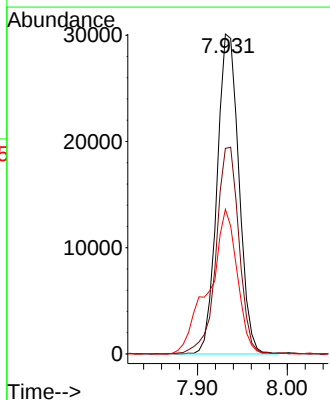
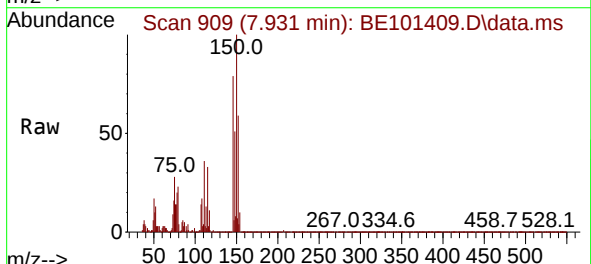
Manual Integrations
APPROVED

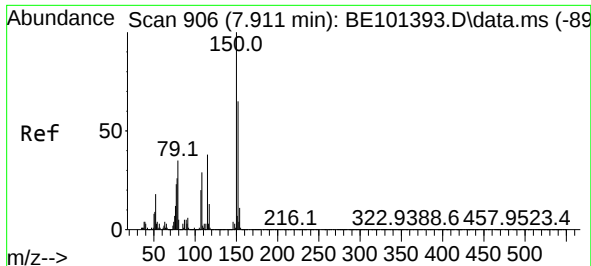
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#14
1,2-Dichlorobenzene
Concen: 3.537 ng
RT: 7.931 min Scan# 909
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

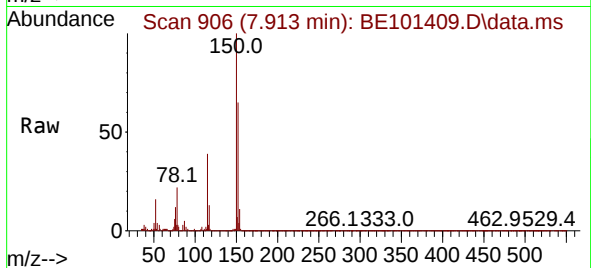
Tgt Ion:146 Resp: 50728
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.2
111 45.2 32.8 49.2





#15
Benzyl Alcohol
Concen: 4.542 ng
RT: 7.913 min Scan# 906
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

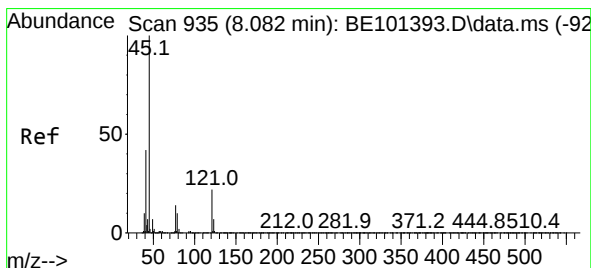
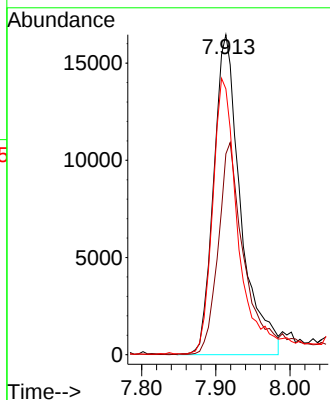
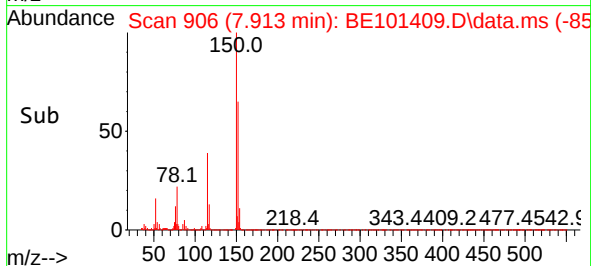
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 79 Resp: 4165
Ion Ratio Lower Upper
79 100
108 62.7 66.1 99.1
77 83.1 53.1 79.7

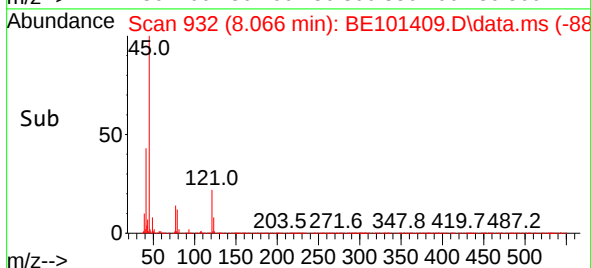
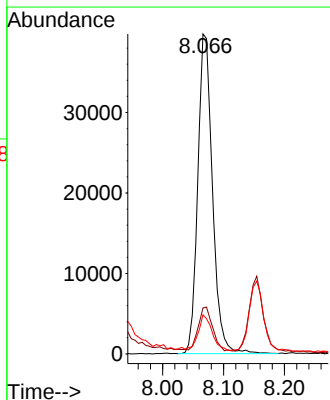
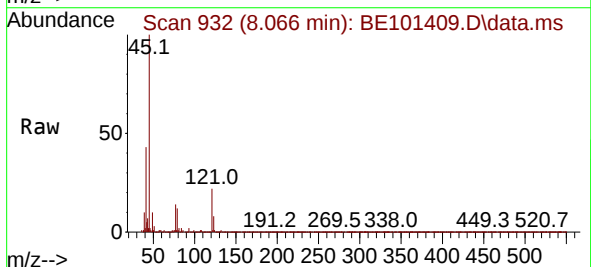
Manual Integrations
APPROVED

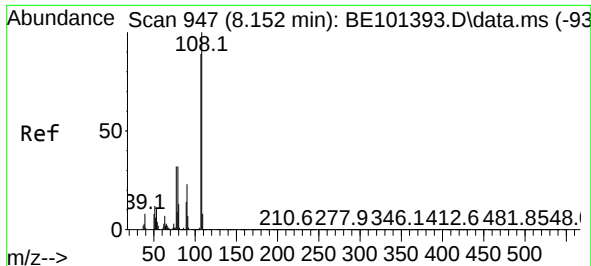
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.877 ng
RT: 8.066 min Scan# 932
Delta R.T. -0.015 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 45 Resp: 66813
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.5
79 12.3 0.0 31.8





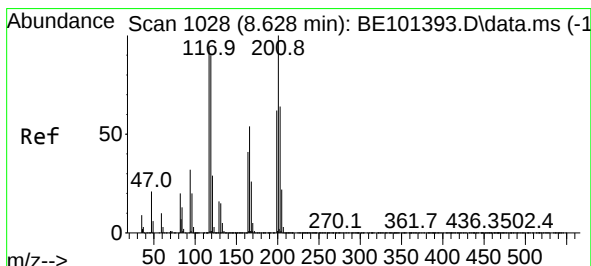
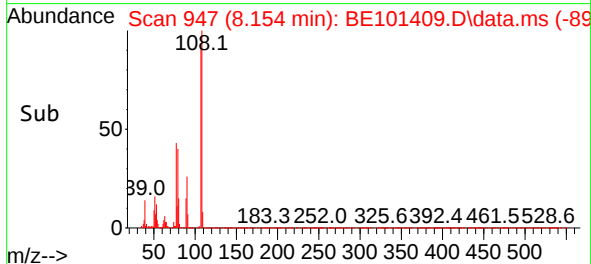
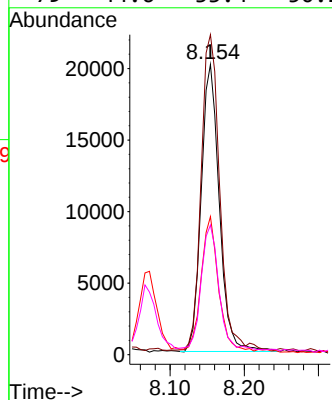
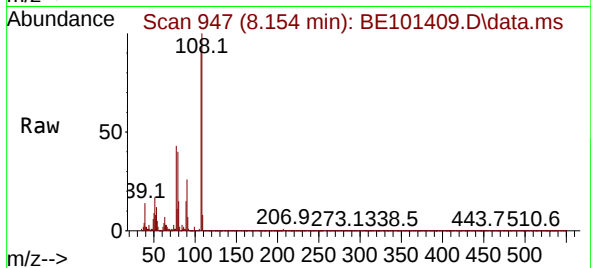
#17
2-Methylphenol
Concen: 3.011 ng
RT: 8.154 min Scan# 947
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	107	Resp:	34014
Ion Ratio	Lower	Upper	
107	100		
108	110.3	90.0	135.0
77	47.6	34.2	51.4
79	44.6	33.4	50.2

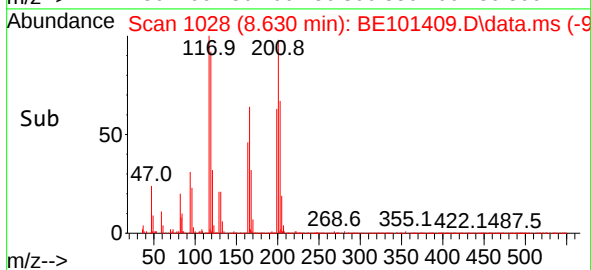
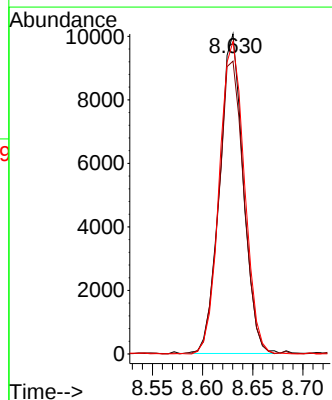
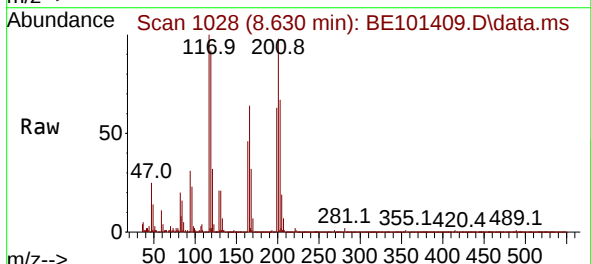
Manual Integrations
APPROVED

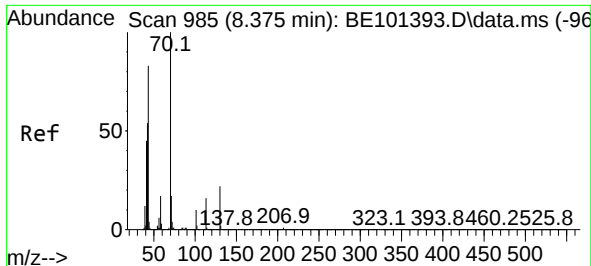
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#18
Hexachloroethane
Concen: 3.442 ng
RT: 8.630 min Scan# 1028
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:	117	Resp:	16471
Ion Ratio	Lower	Upper	
117	100		
119	91.5	77.0	115.4
201	98.9	85.3	127.9





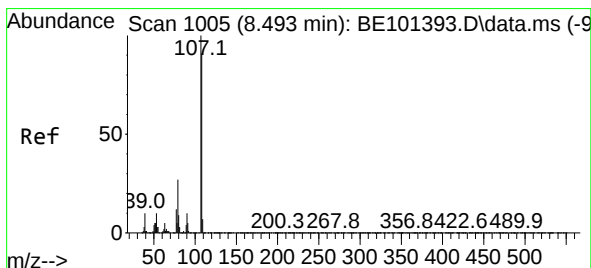
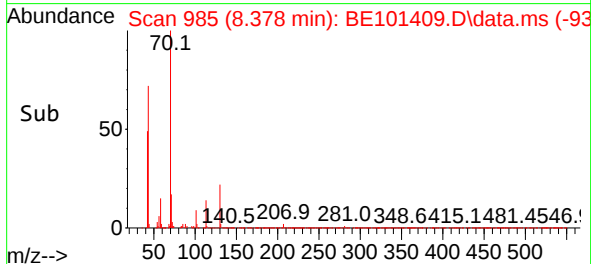
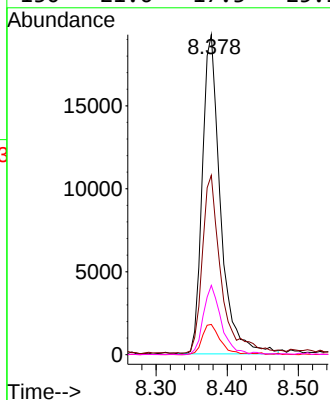
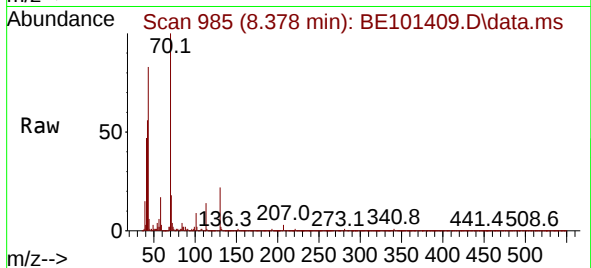
#19
n-Nitroso-di-n-propylamine
Concen: 3.364 ng
RT: 8.378 min Scan# 985
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 70 Resp: 34340
Ion Ratio Lower Upper
70 100
42 56.0 43.4 65.0
101 9.5 8.1 12.1
130 21.6 17.3 25.9

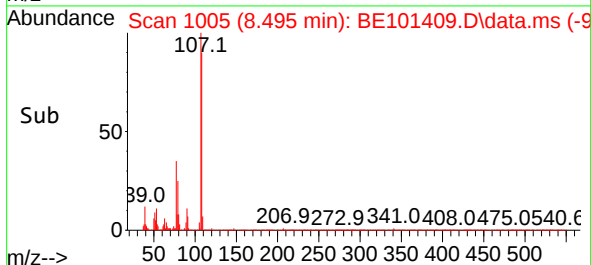
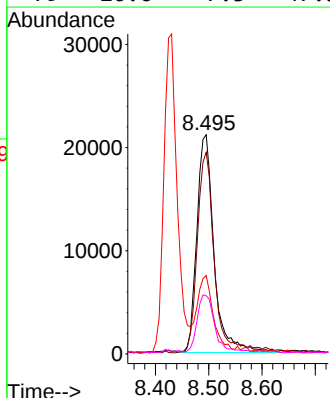
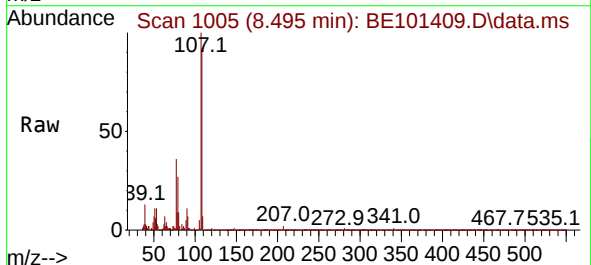
Manual Integrations
APPROVED

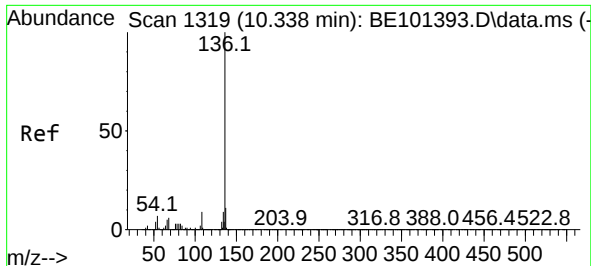
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#20
3+4-Methylphenols
Concen: 3.034 ng
RT: 8.495 min Scan# 1005
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

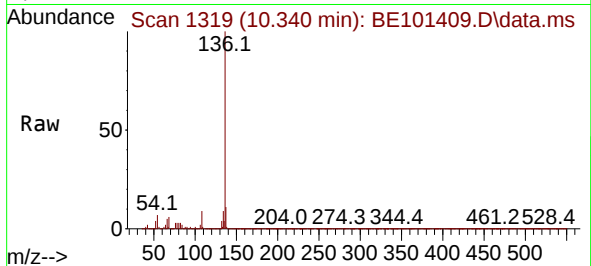
Tgt Ion:107 Resp: 47310
Ion Ratio Lower Upper
107 100
108 92.0 70.6 110.6
77 35.8 11.3 51.3
79 26.6 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

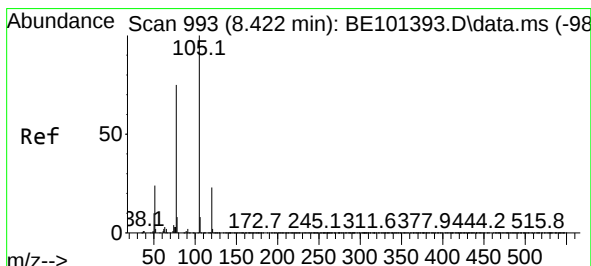
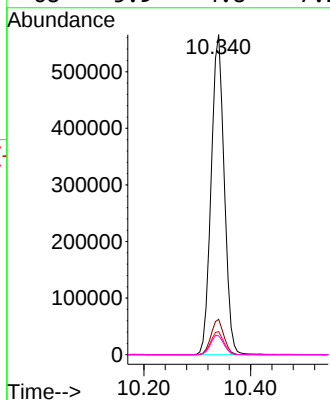
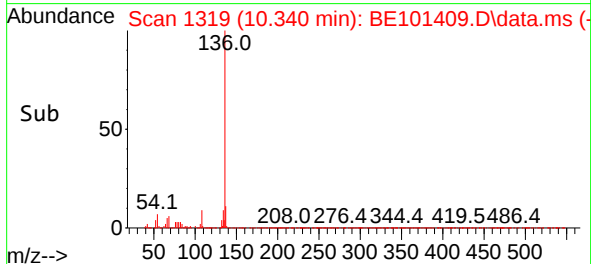
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:	136	Resp:	96106
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	7.2	5.9	8.9
68	5.9	4.8	7.2

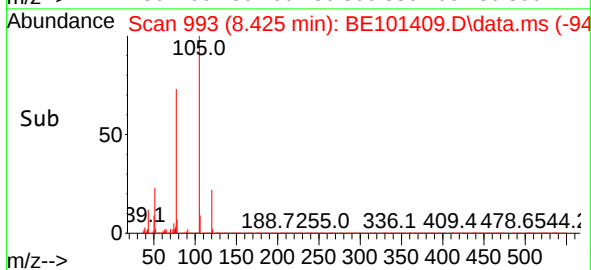
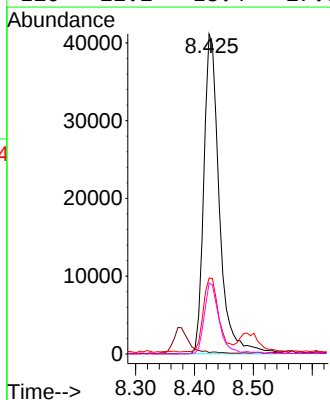
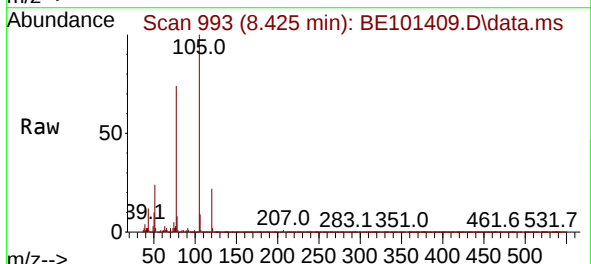
Manual Integrations
APPROVED

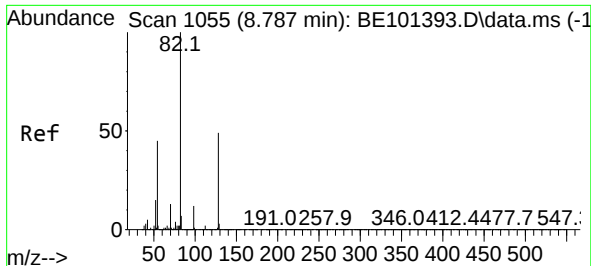
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#22
Acetophenone
Concen: 3.454 ng
RT: 8.425 min Scan# 993
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:	105	Resp:	75382
Ion Ratio	Lower	Upper	
105	100		
71	0.4	0.1	0.1#
51	23.7	19.4	29.0
120	22.2	18.4	27.6





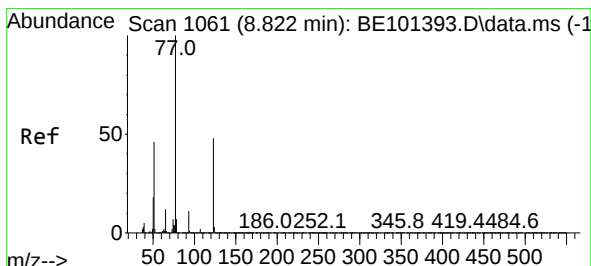
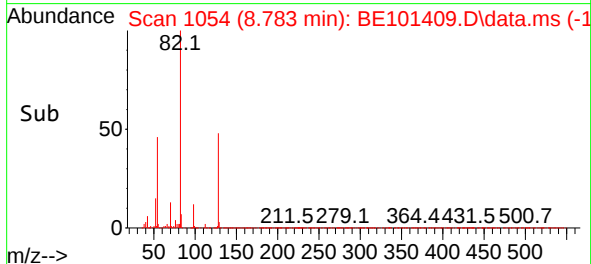
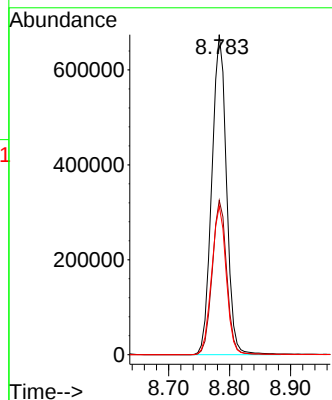
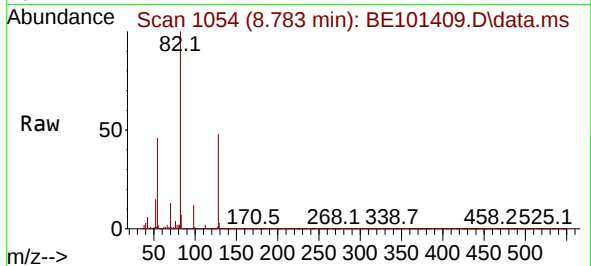
#23
Nitrobenzene-d5
Concen: 73.885 ng
RT: 8.783 min Scan# 1054
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 82 Resp: 113054
Ion Ratio Lower Upper
82 100
128 48.2 38.9 58.3
54 46.5 36.2 54.4

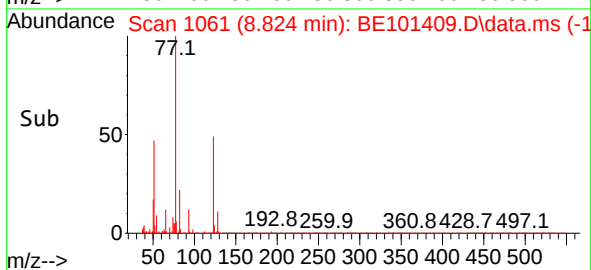
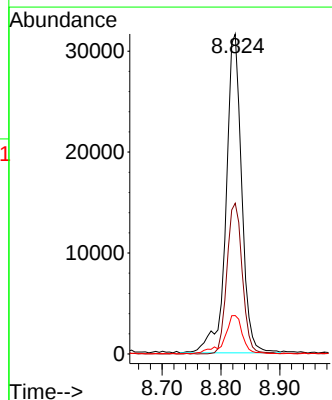
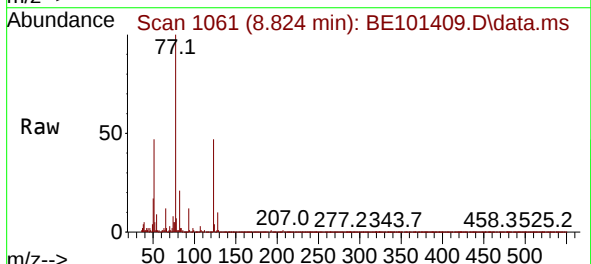
Manual Integrations
APPROVED

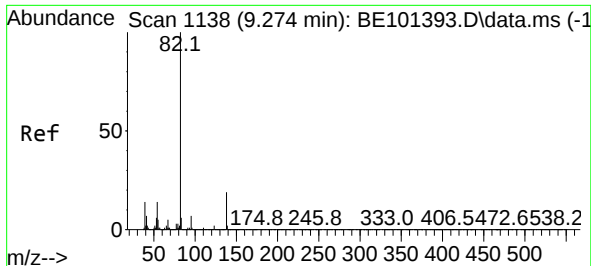
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#24
Nitrobenzene
Concen: 3.579 ng
RT: 8.824 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

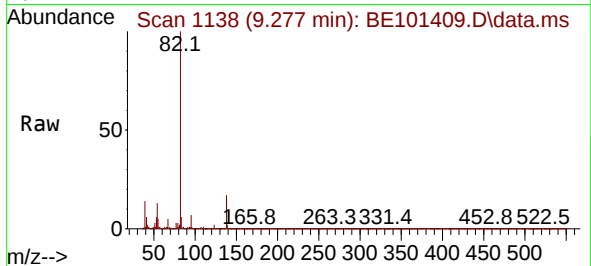
Tgt Ion: 77 Resp: 58287
Ion Ratio Lower Upper
77 100
123 47.1 38.7 58.1
65 12.0 10.0 15.0





#25
Isophorone
Concen: 3.258 ng
RT: 9.277 min Scan# 1138
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

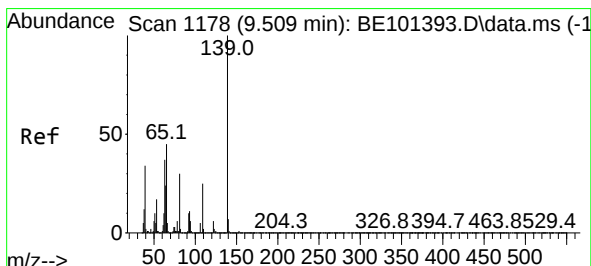
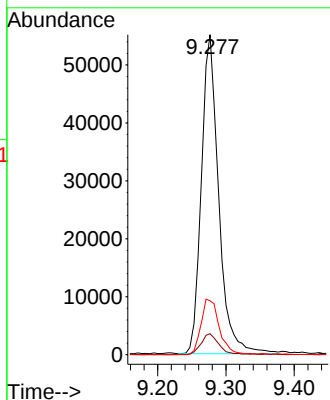
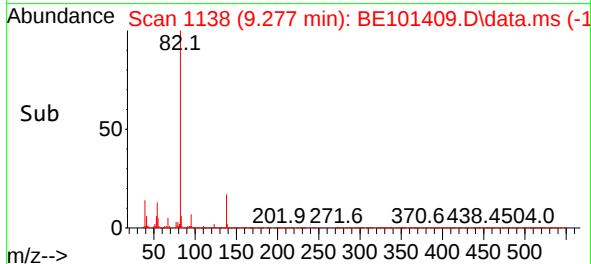
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 82 Resp: 97280
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 16.9 15.0 22.4

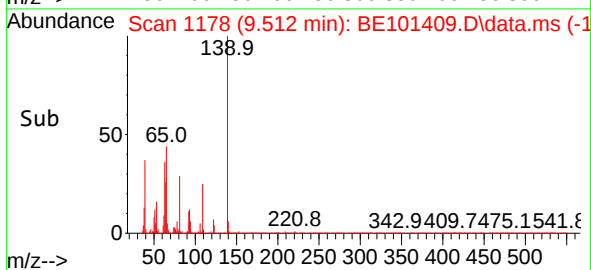
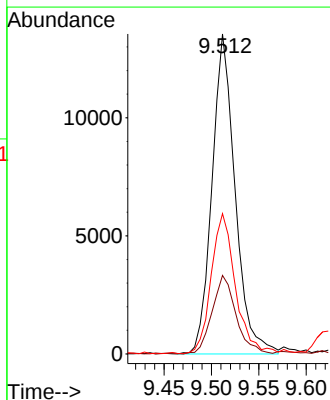
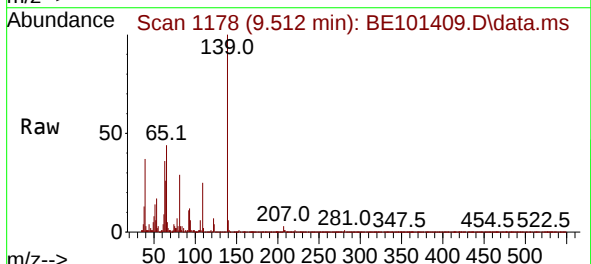
Manual Integrations
APPROVED

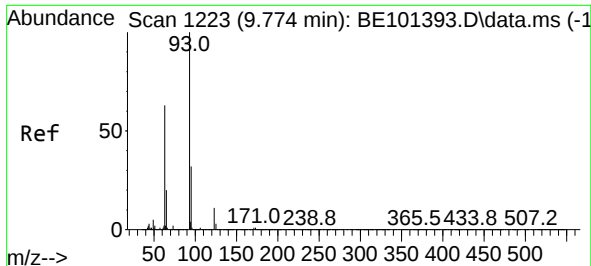
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#26
2-Nitrophenol
Concen: 2.917 ng
RT: 9.512 min Scan# 1178
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:139 Resp: 22963
Ion Ratio Lower Upper
139 100
109 24.5 20.1 30.1
65 43.9 36.0 54.0





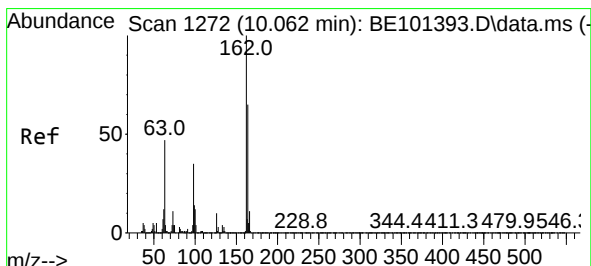
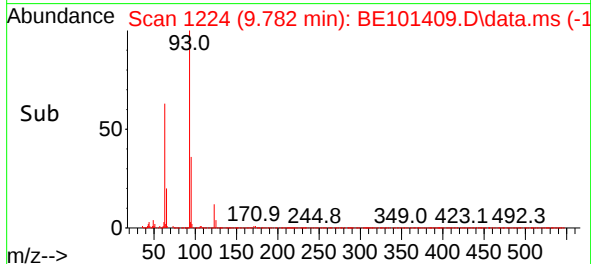
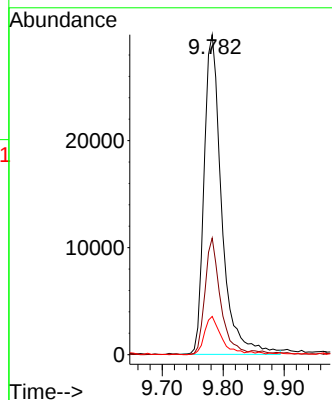
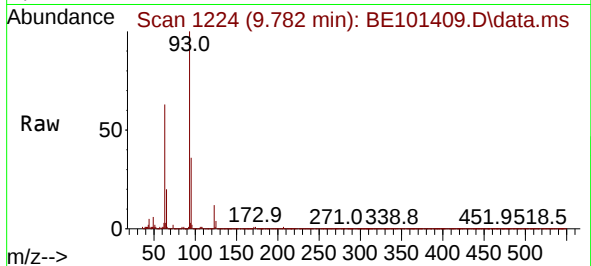
#28
bis(2-Chloroethoxy)methane
Concen: 3.309 ng
RT: 9.782 min Scan# 1223
Delta R.T. 0.008 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 93 Resp: 5992
Ion Ratio Lower Upper
93 100
95 36.4 25.8 38.6
123 12.0 8.6 13.0

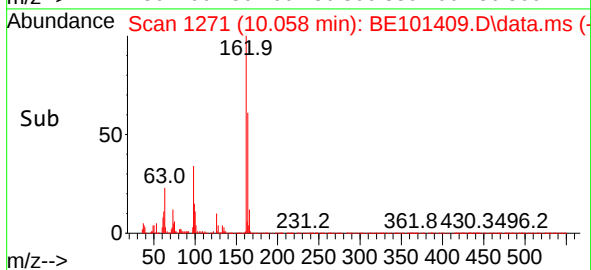
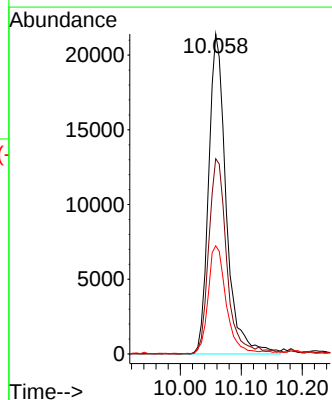
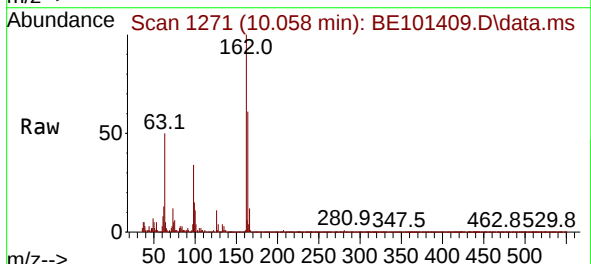
Manual Integrations
APPROVED

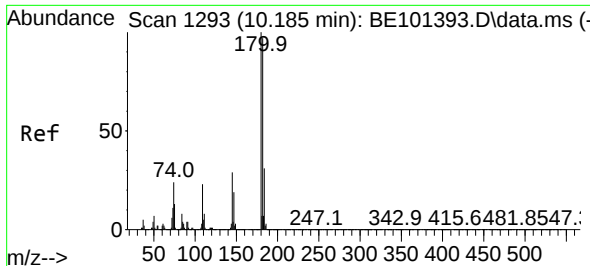
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#29
2,4-Dichlorophenol
Concen: 3.121 ng
RT: 10.058 min Scan# 1271
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:162 Resp: 42765
Ion Ratio Lower Upper
162 100
164 61.0 45.4 85.4
98 33.8 14.5 54.5





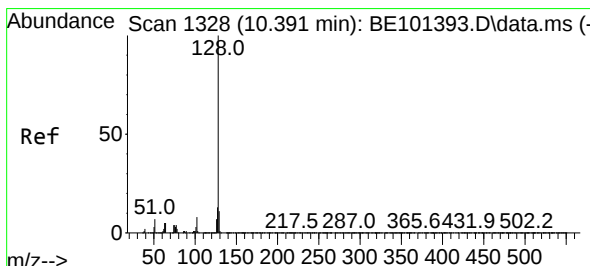
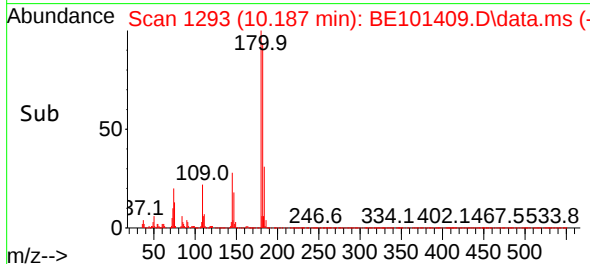
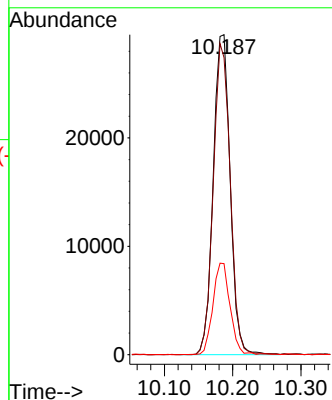
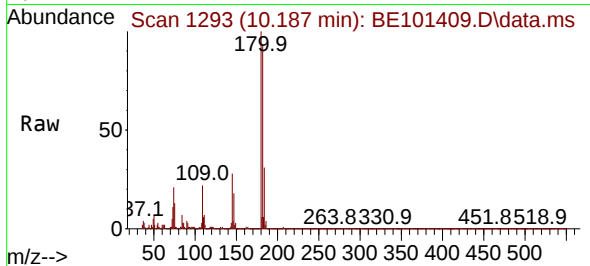
#30
1,2,4-Trichlorobenzene
Concen: 3.419 ng
RT: 10.187 min Scan# 1293
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:180 Resp: 51034
Ion Ratio Lower Upper
180 100
182 92.8 77.4 116.0
145 28.4 23.3 34.9

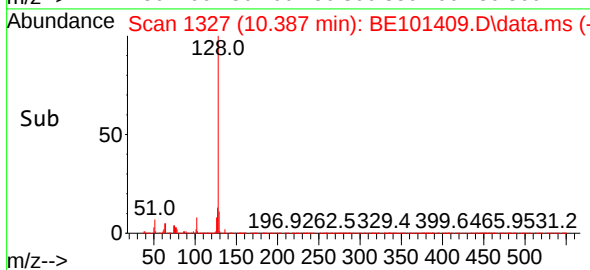
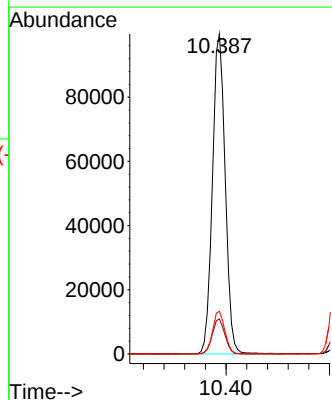
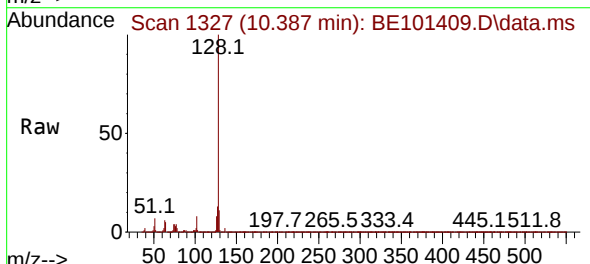
Manual Integrations
APPROVED

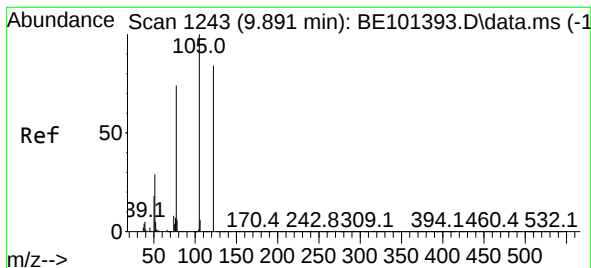
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#31
Naphthalene
Concen: 3.484 ng
RT: 10.387 min Scan# 1327
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:128 Resp: 170641
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.3 15.5





#32

Benzoic acid

Concen: 9.055 ng m

RT: 9.817 min Scan# 1230

Delta R.T. -0.074 min

Lab File: BE101409.D

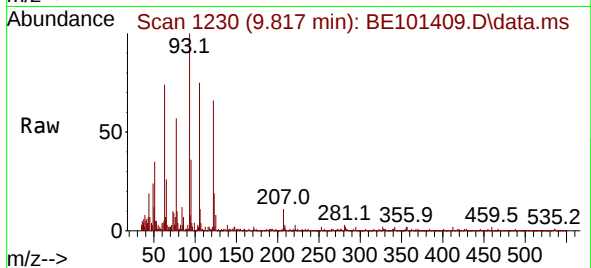
Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

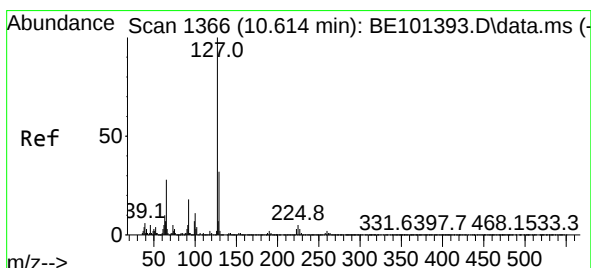
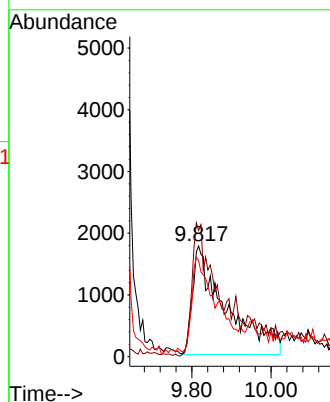
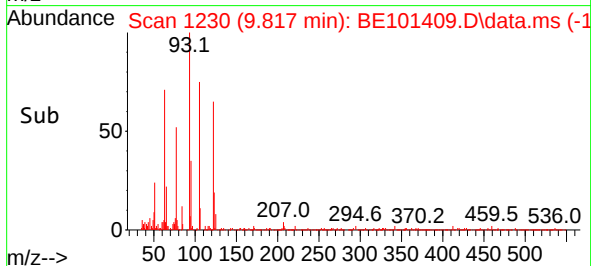


Tgt Ion:	122	Resp:	10319
Ion Ratio	Lower	Upper	
122	100		
105	114.1	97.9	137.9
77	86.7	68.1	108.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#33

4-Chloroaniline

Concen: 3.529 ng

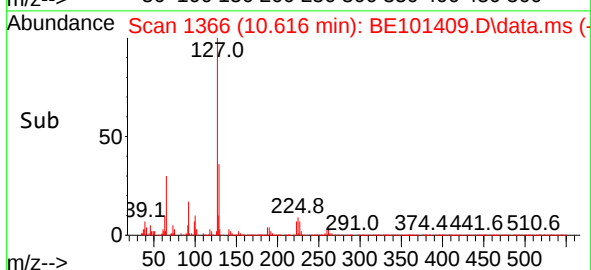
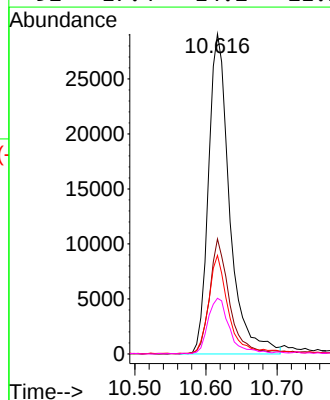
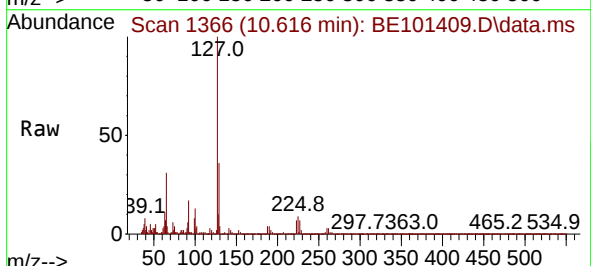
RT: 10.616 min Scan# 1366

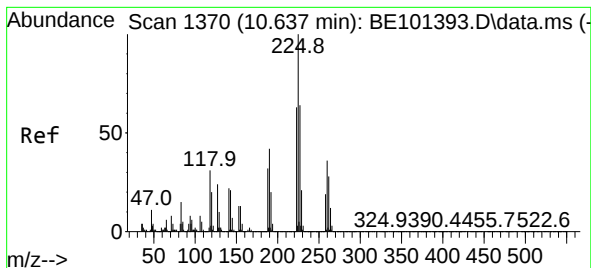
Delta R.T. 0.002 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

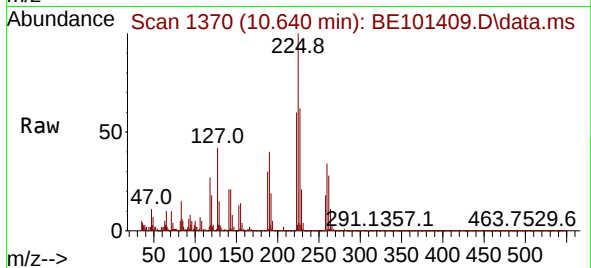
Tgt Ion:	127	Resp:	60099
Ion Ratio	Lower	Upper	
127	100		
129	36.0	25.7	38.5
65	30.8	22.2	33.4
92	17.4	14.2	21.2





#34
Hexachlorobutadiene
Concen: 3.340 ng
RT: 10.640 min Scan# 11
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

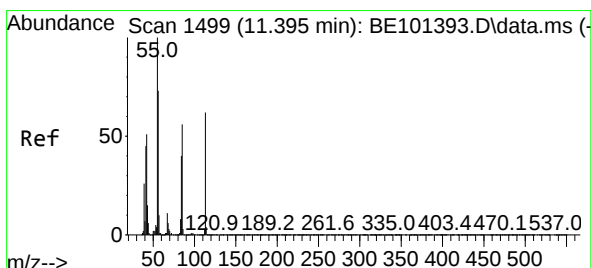
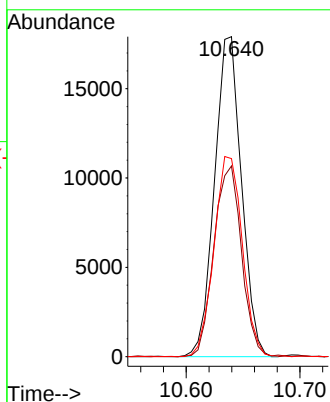
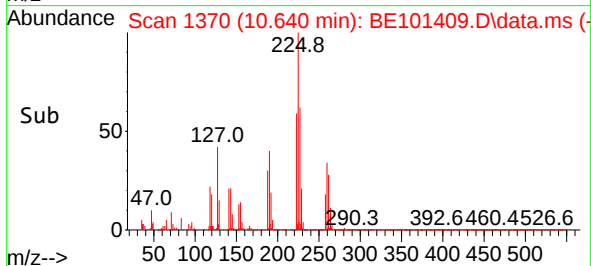
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:225 Resp: 29508
Ion Ratio Lower Upper
225 100
223 59.6 50.5 75.7
227 61.9 51.0 76.6

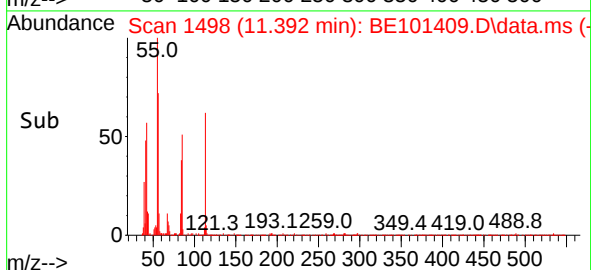
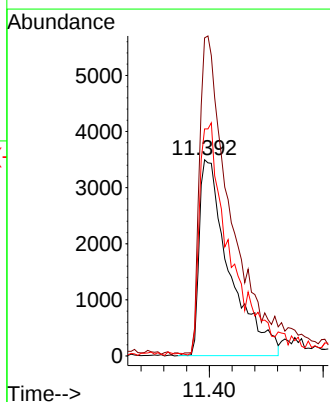
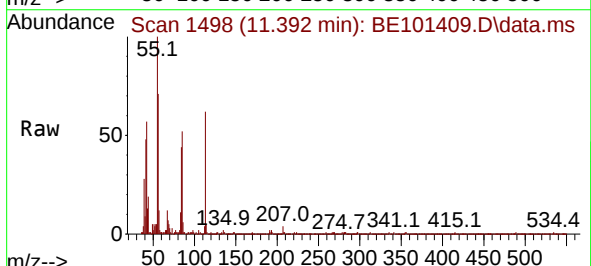
Manual Integrations
APPROVED

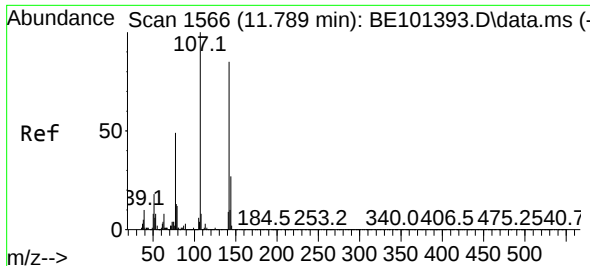
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#35
Caprolactam
Concen: 2.441 ng
RT: 11.392 min Scan# 1498
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

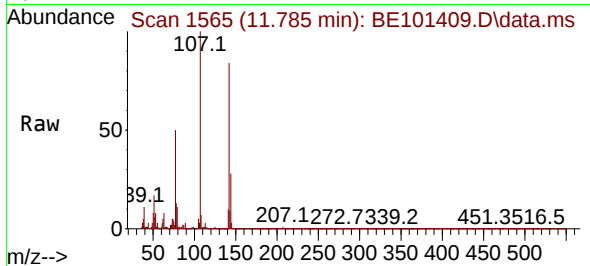
Tgt Ion:113 Resp: 12823
Ion Ratio Lower Upper
113 100
55 162.1 141.2 181.2
56 115.7 96.9 136.9





#36
4-Chloro-3-methylphenol
Concen: 3.019 ng
RT: 11.785 min Scan# 1566
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

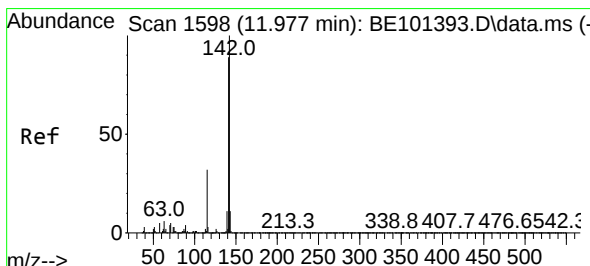
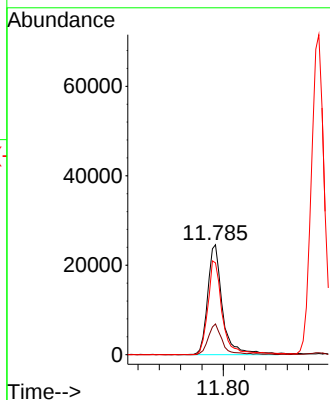
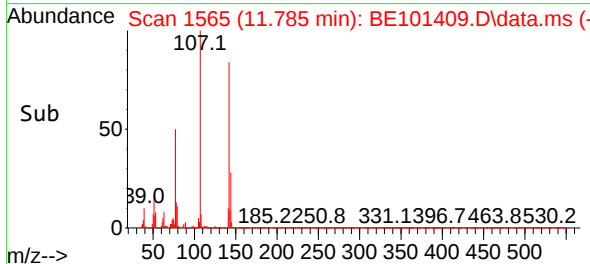
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



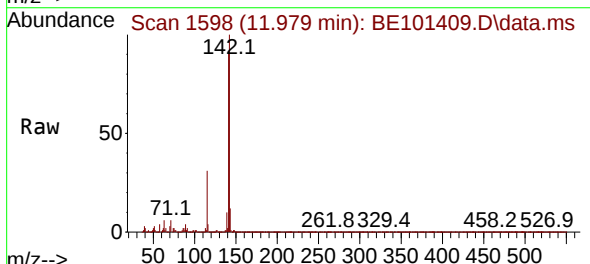
Tgt Ion:107 Resp: 4710
Ion Ratio Lower Upper
107 100
144 28.0 21.9 32.9
142 83.5 68.0 102.0

Manual Integrations
APPROVED

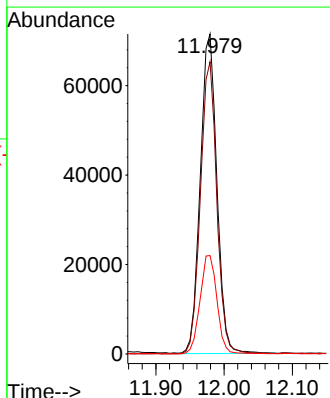
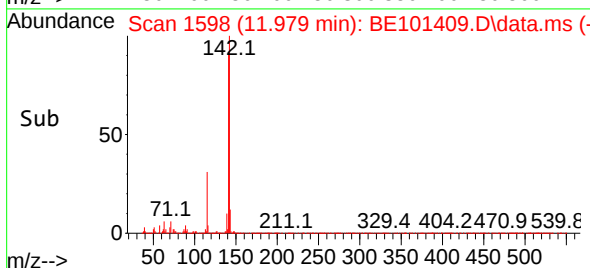
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

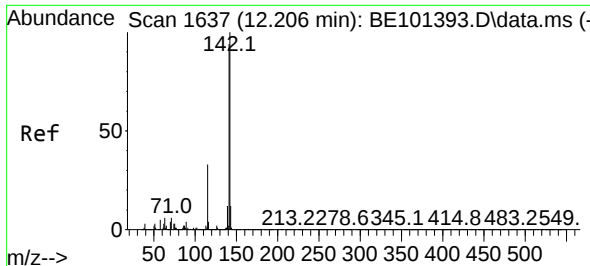


#37
2-Methylnaphthalene
Concen: 3.429 ng
RT: 11.979 min Scan# 1598
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20



Tgt Ion:142 Resp: 120973
Ion Ratio Lower Upper
142 100
141 91.3 71.4 107.2
115 30.7 25.6 38.4





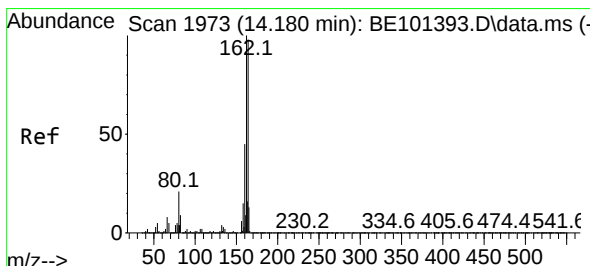
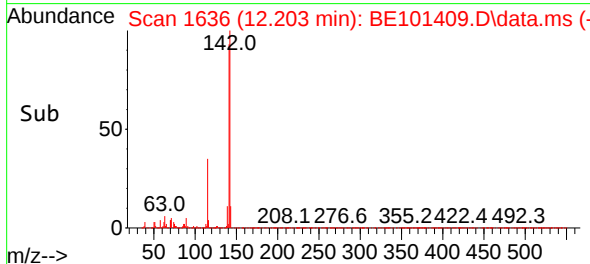
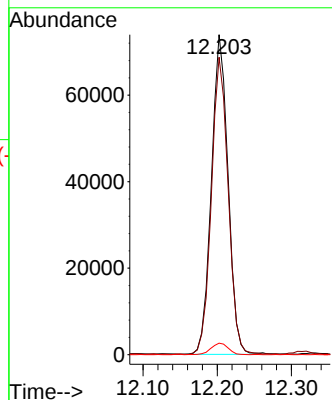
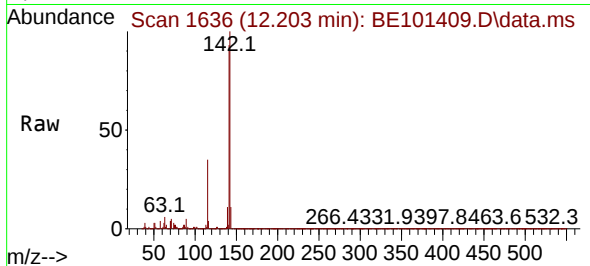
#38
1-Methylnaphthalene
Concen: 3.273 ng
RT: 12.203 min Scan# 1636
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:142 Resp: 115270
Ion Ratio Lower Upper
142 100
141 92.9 75.0 112.4
116 3.6 2.9 4.3

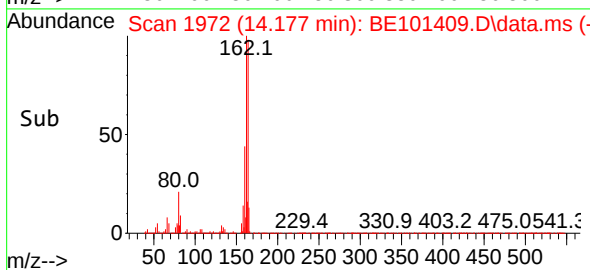
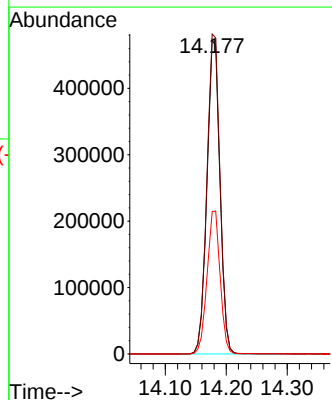
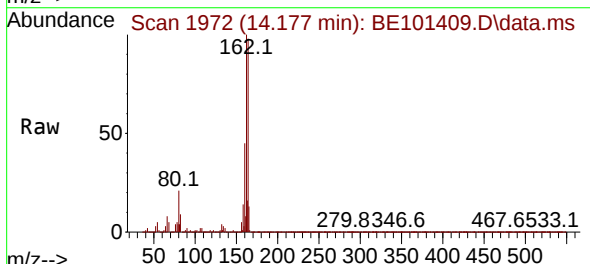
Manual Integrations
APPROVED

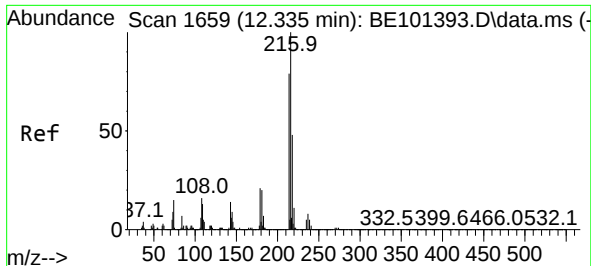
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.177 min Scan# 1972
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

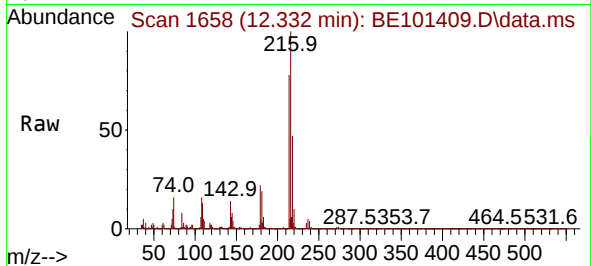
Tgt Ion:164 Resp: 698358
Ion Ratio Lower Upper
164 100
162 101.8 81.3 121.9
160 45.3 36.4 54.6





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.468 ng
RT: 12.332 min Scan# 1658
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

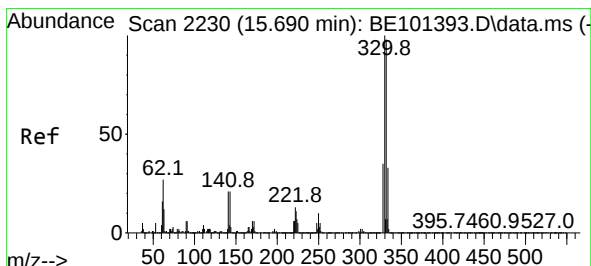
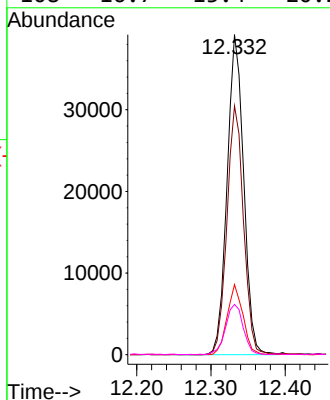
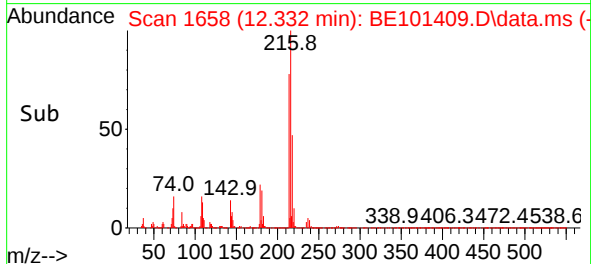
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 216 Resp: 60804
Ion Ratio Lower Upper
216 100
214 77.7 63.0 94.4
179 20.9 16.7 25.1
108 16.7 13.4 20.2

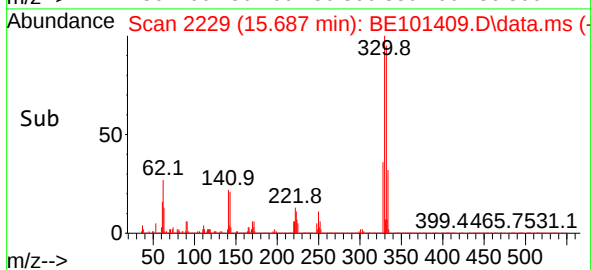
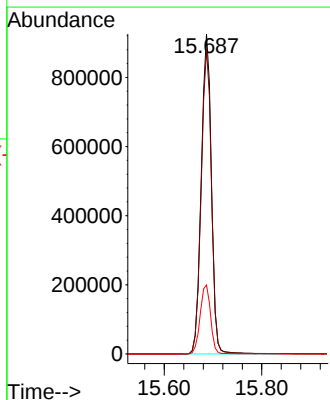
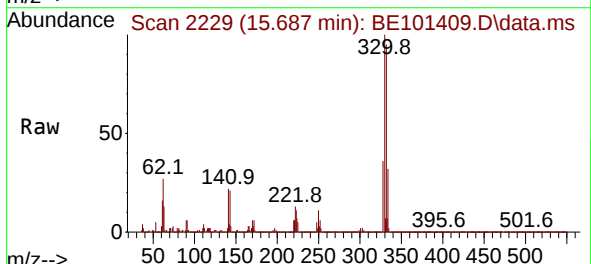
Manual Integrations
APPROVED

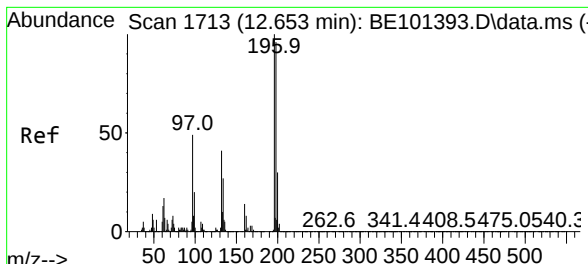
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#42
2,4,6-Tribromophenol
Concen: 109.260 ng
RT: 15.687 min Scan# 2229
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 330 Resp: 1337339
Ion Ratio Lower Upper
330 100
332 96.0 78.2 117.2
141 22.2 18.3 27.5





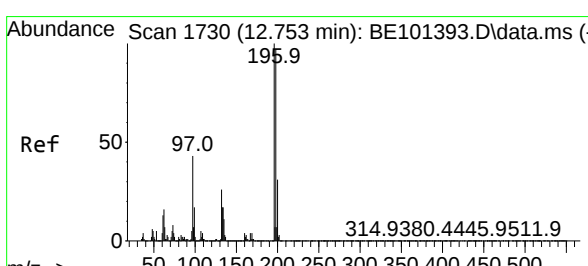
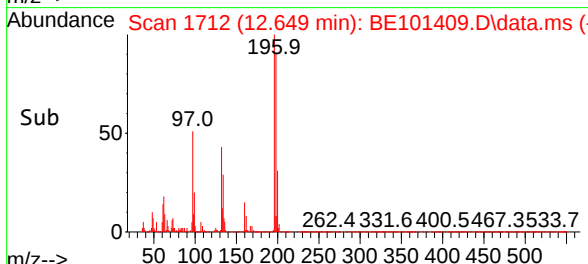
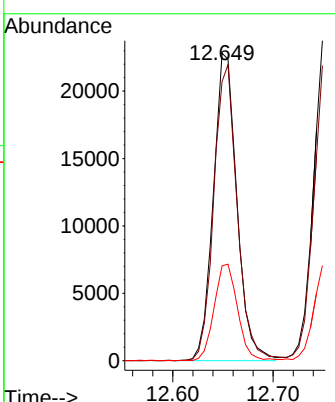
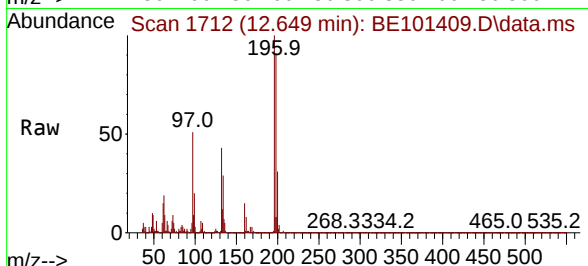
#43
2,4,6-Trichlorophenol
Concen: 3.078 ng
RT: 12.649 min Scan# 1712
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:196 Resp: 37200

Ion	Ratio	Lower	Upper
196	100		
198	90.8	76.6	115.0
200	30.9	24.1	36.1

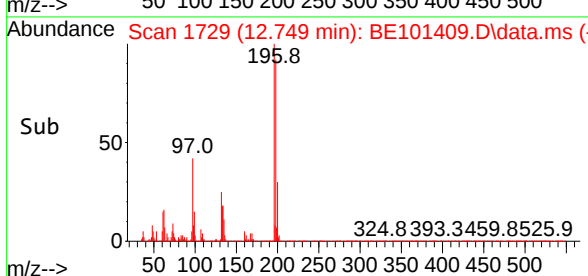
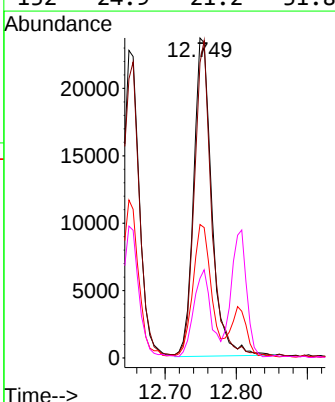
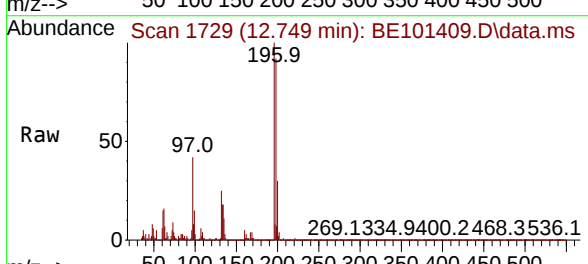
Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

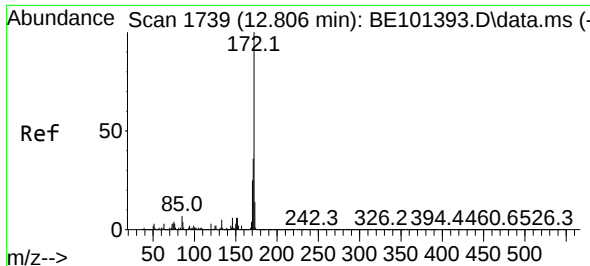


#44
2,4,5-Trichlorophenol
Concen: 3.024 ng
RT: 12.749 min Scan# 1729
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:196 Resp: 41856

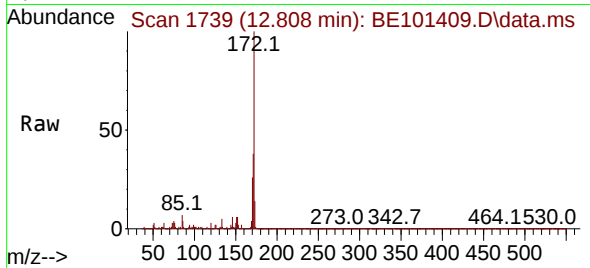
Ion	Ratio	Lower	Upper
196	100		
198	92.3	77.4	116.0
97	41.7	34.8	52.2
132	24.9	21.2	31.8





#45
2-Fluorobiphenyl
Concen: 71.330 ng
RT: 12.808 min Scan# 1739
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

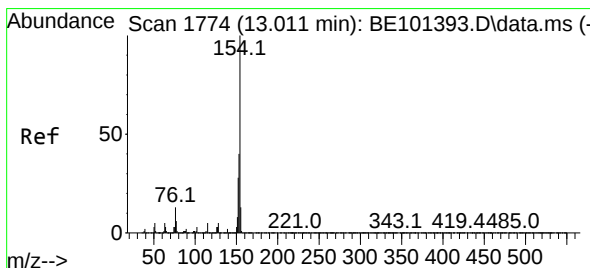
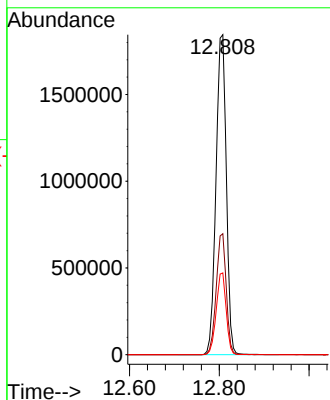
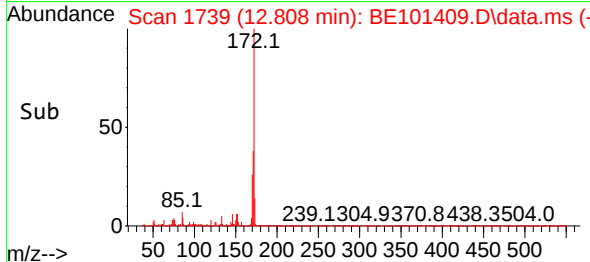
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:172 Resp: 2941410
Ion Ratio Lower Upper
172 100
171 37.8 29.2 43.8
170 25.5 19.8 29.6

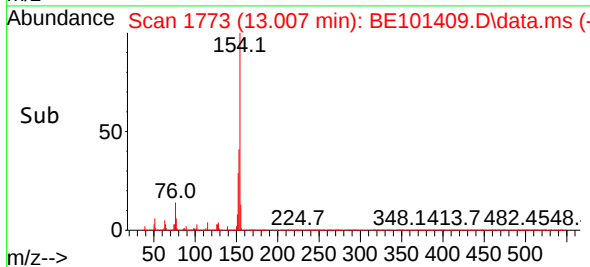
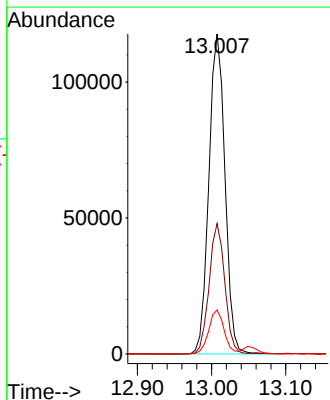
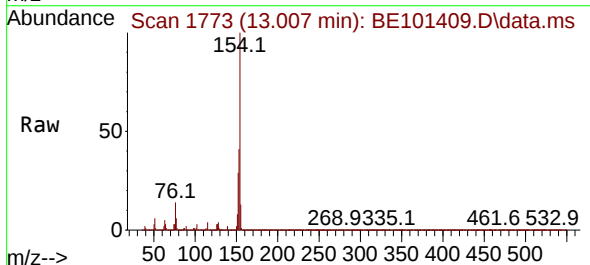
Manual Integrations
APPROVED

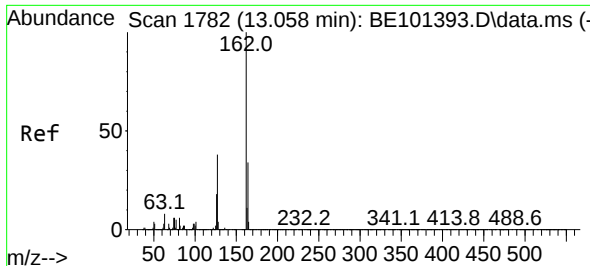
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#46
1,1'-Biphenyl
Concen: 3.708 ng
RT: 13.007 min Scan# 1773
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:154 Resp: 177393
Ion Ratio Lower Upper
154 100
153 40.7 20.3 60.3
76 13.7 0.0 32.6





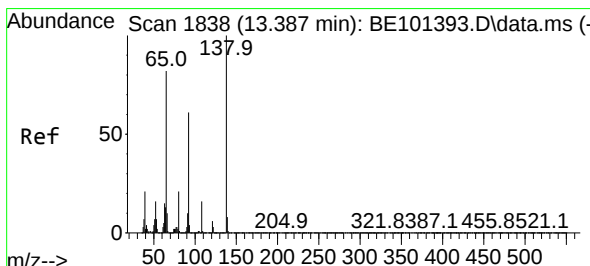
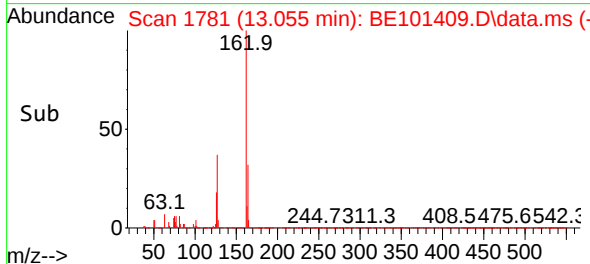
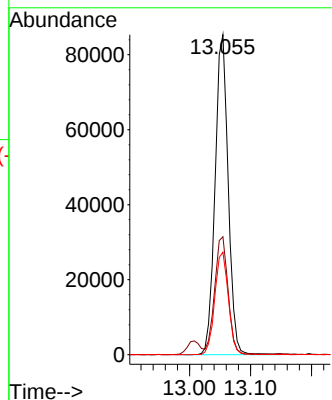
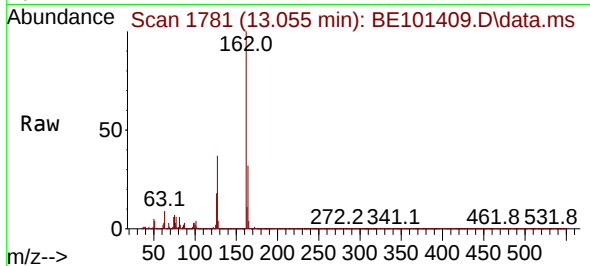
#47
2-Chloronaphthalene
Concen: 3.369 ng
RT: 13.055 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:162 Resp: 12736
Ion Ratio Lower Upper
162 100
127 36.9 30.4 45.6
164 32.1 27.0 40.6

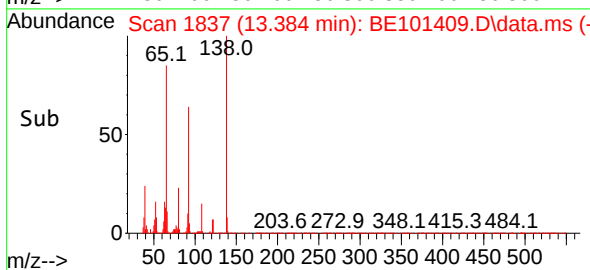
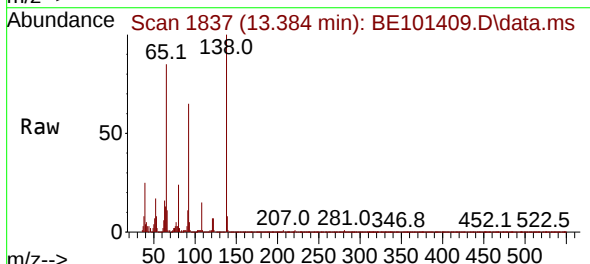
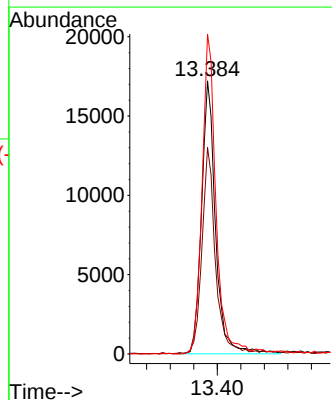
Manual Integrations
APPROVED

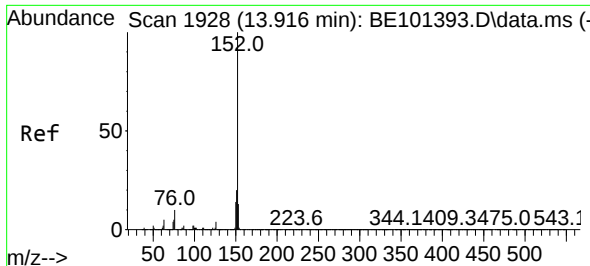
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#48
2-Nitroaniline
Concen: 2.800 ng
RT: 13.384 min Scan# 1837
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

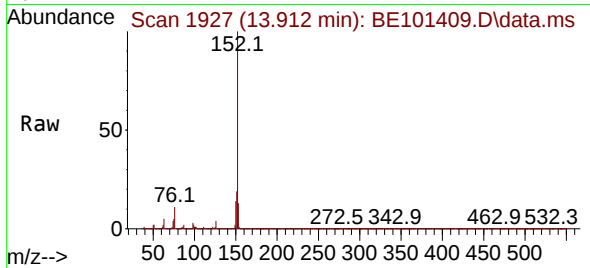
Tgt Ion: 65 Resp: 28481
Ion Ratio Lower Upper
65 100
92 75.6 59.0 88.4
138 117.1 97.4 146.0





#49
Acenaphthylene
Concen: 3.622 ng
RT: 13.912 min Scan# 1928
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

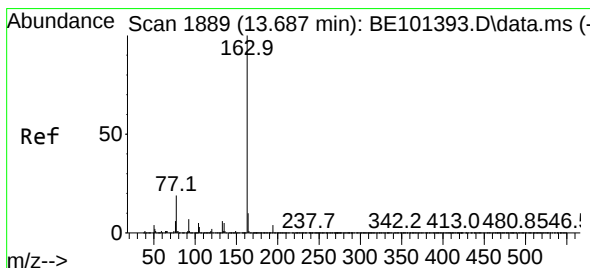
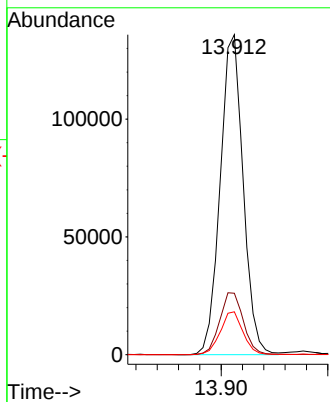
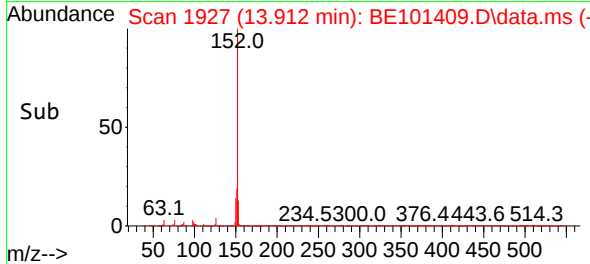
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



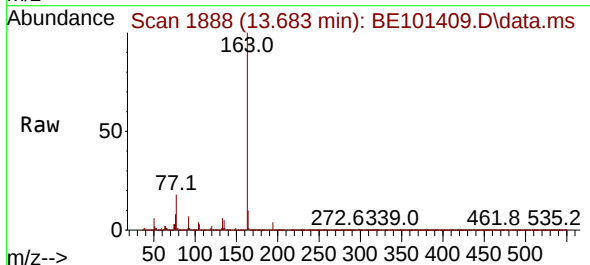
Tgt Ion:152 Resp: 20248
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.4
153 13.4 10.5 15.7

Manual Integrations
APPROVED

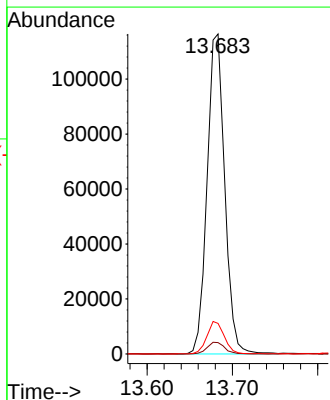
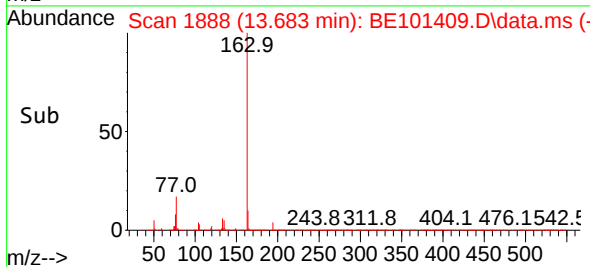
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

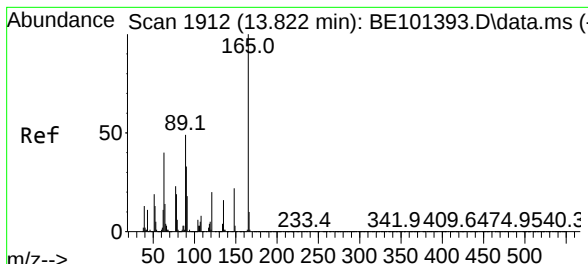


#50
Dimethylphthalate
Concen: 3.392 ng
RT: 13.683 min Scan# 1888
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20



Tgt Ion:163 Resp: 167221
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.6 8.4 12.6



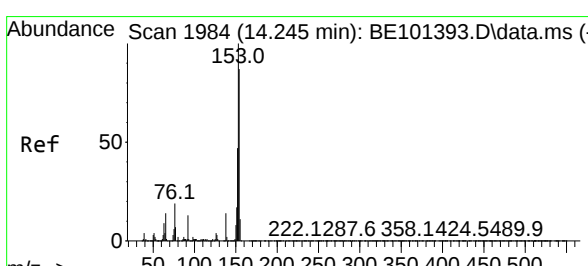
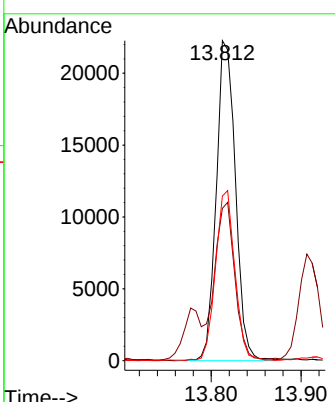
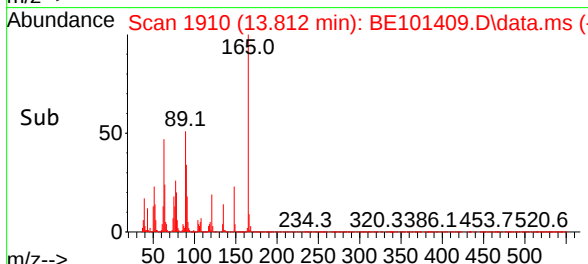
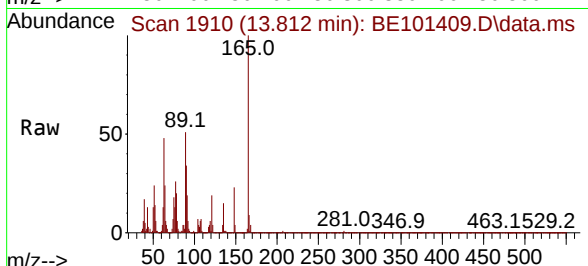


#51
 2,6-Dinitrotoluene
 Concen: 2.901 ng
 RT: 13.812 min Scan# 1910
 Delta R.T. -0.010 min
 Lab File: BE101409.D
 Acq: 29 Oct 2024 16:20

Instrument : BNA_E
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

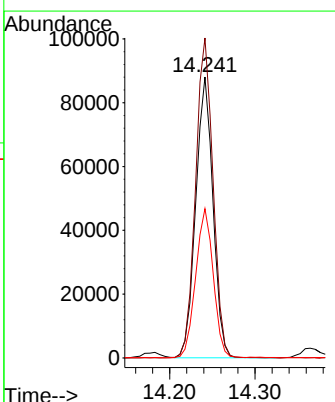
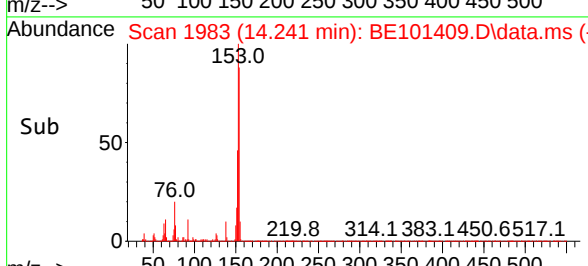
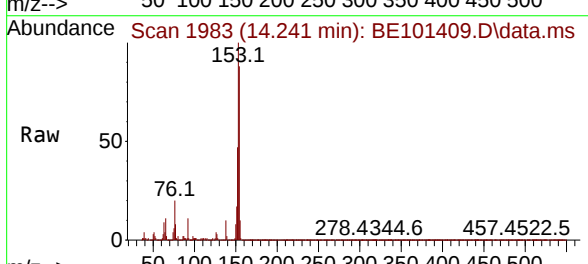
Tgt Ion:	165	Resp:	3301
Ion Ratio	Lower	Upper	
165	100		
63	47.6	38.0	57.0
89	51.4	39.5	59.3

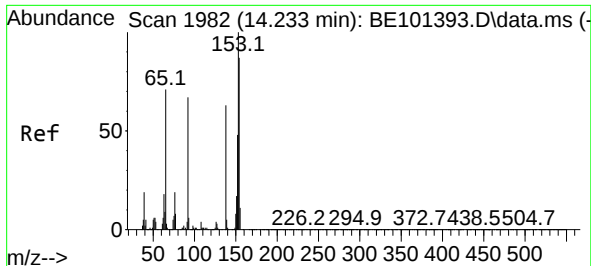
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#52
 Acenaphthene
 Concen: 3.394 ng
 RT: 14.241 min Scan# 1983
 Delta R.T. -0.004 min
 Lab File: BE101409.D
 Acq: 29 Oct 2024 16:20

Tgt Ion:	154	Resp:	123885
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.8	137.6
152	53.1	43.1	64.7





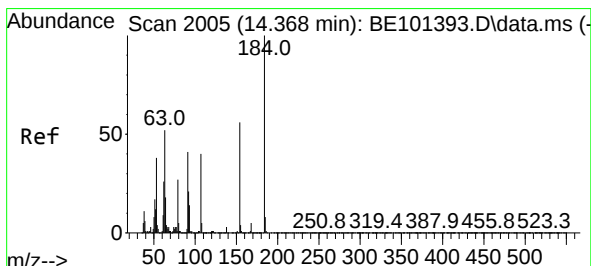
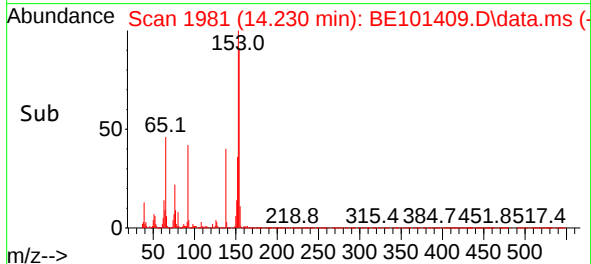
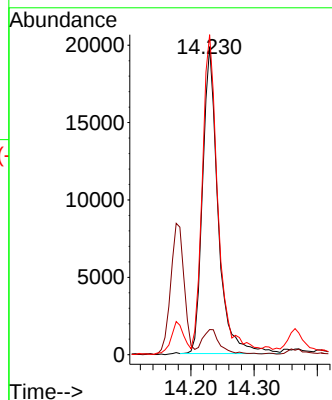
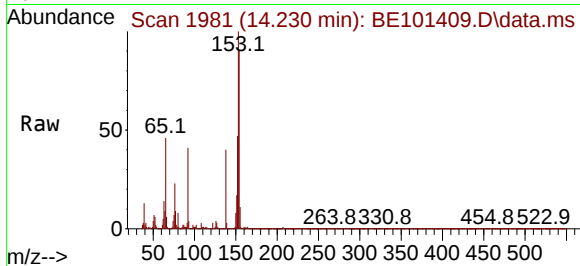
#53
3-Nitroaniline
Concen: 2.965 ng
RT: 14.230 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:138 Resp: 3355
Ion Ratio Lower Upper
138 100
108 8.1 7.1 10.7
92 103.9 84.4 126.6

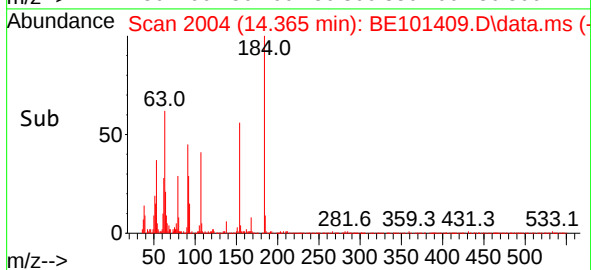
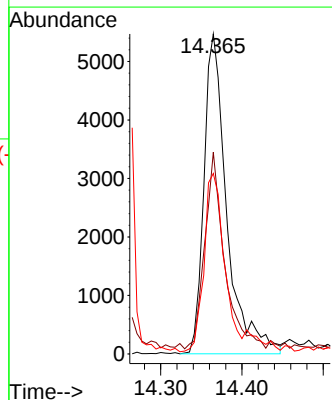
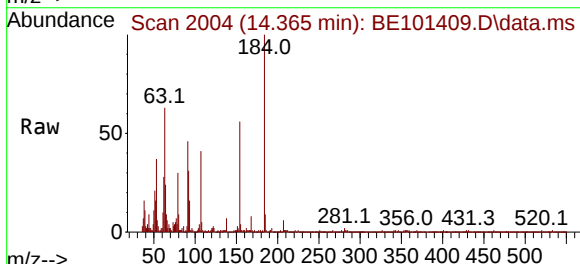
Manual Integrations
APPROVED

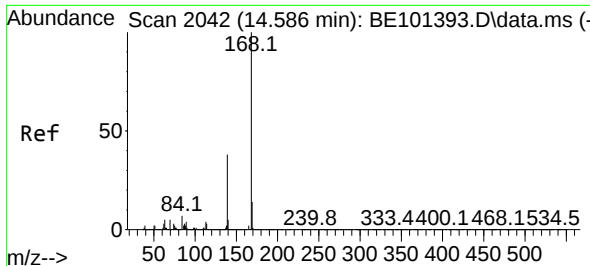
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#54
2,4-Dinitrophenol
Concen: 6.843 ng
RT: 14.365 min Scan# 2004
Delta R.T. -0.003 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:184 Resp: 10668
Ion Ratio Lower Upper
184 100
63 63.1 41.8 62.6#
154 56.4 44.9 67.3





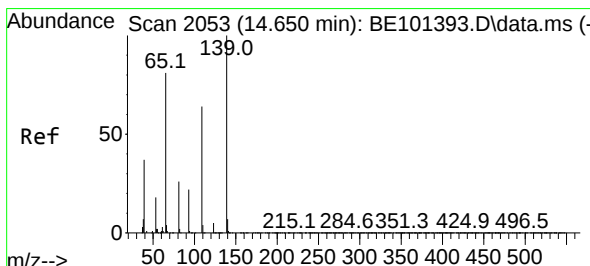
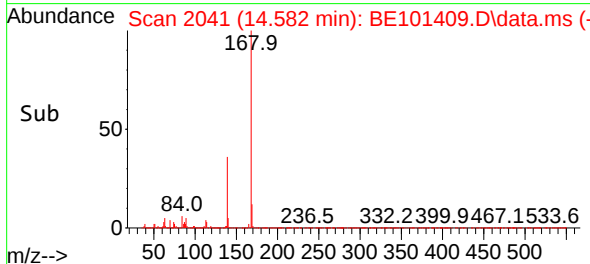
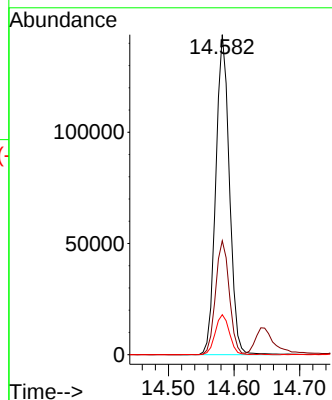
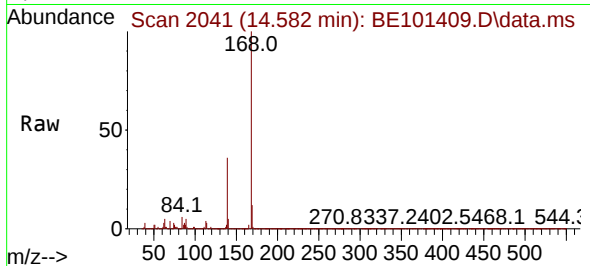
#55
Dibenzenofuran
Concen: 3.555 ng
RT: 14.582 min Scan# 2042
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:168 Resp: 20681
Ion Ratio Lower Upper
168 100
139 35.6 30.2 45.4
169 12.5 11.0 16.4

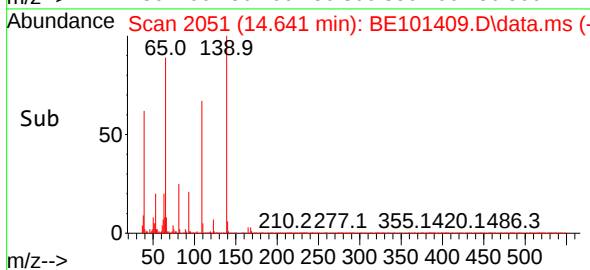
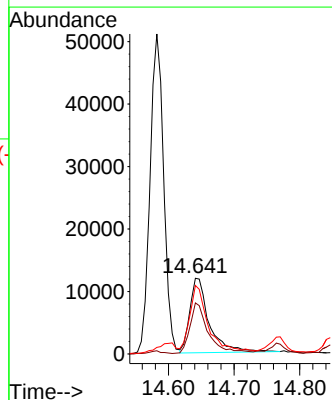
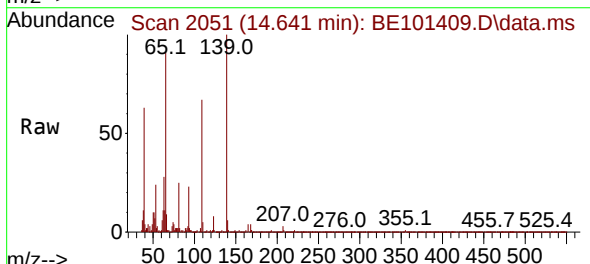
Manual Integrations
APPROVED

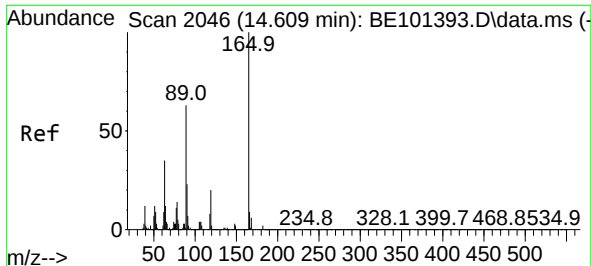
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#56
4-Nitrophenol
Concen: 2.352 ng
RT: 14.641 min Scan# 2051
Delta R.T. -0.009 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

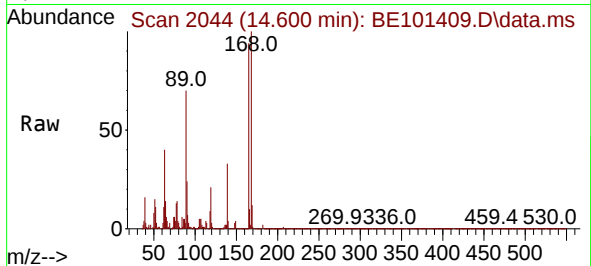
Tgt Ion:139 Resp: 24374
Ion Ratio Lower Upper
139 100
109 67.4 42.4 82.4
65 90.6 63.4 103.4





#57
2,4-Dinitrotoluene
Concen: 2.636 ng
RT: 14.600 min Scan# 2046
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

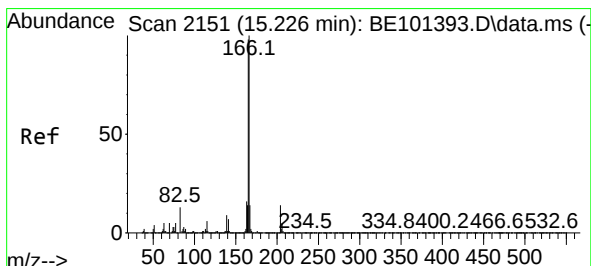
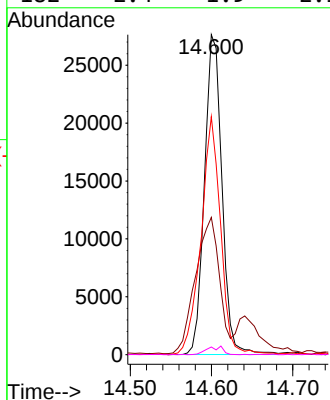
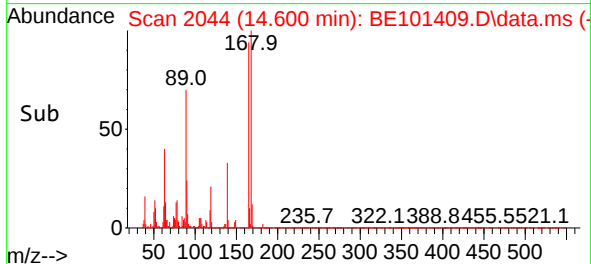
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:165 Resp: 4130
Ion Ratio Lower Upper
165 100
63 42.9 28.6 42.8
89 74.4 50.8 76.2
182 2.4 1.9 2.9

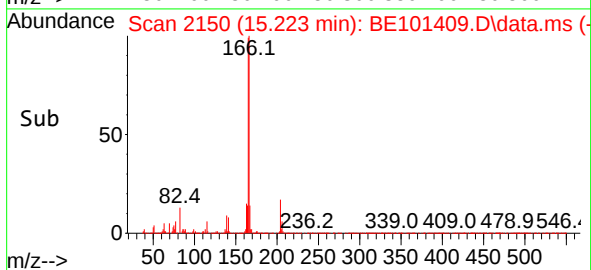
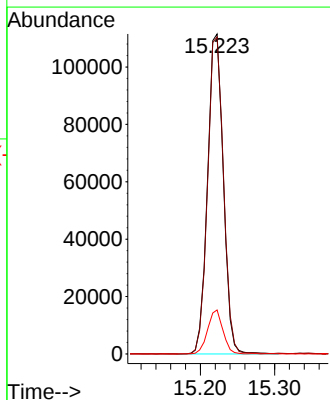
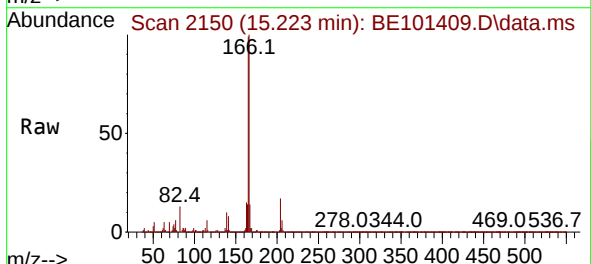
Manual Integrations
APPROVED

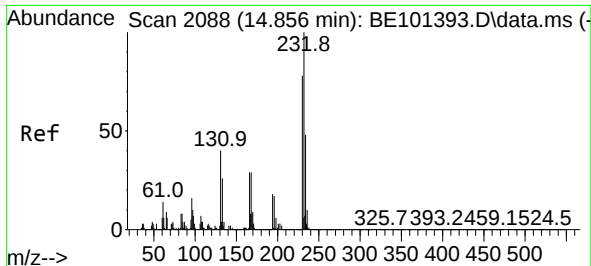
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#58
Fluorene
Concen: 3.384 ng
RT: 15.223 min Scan# 2150
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:166 Resp: 164697
Ion Ratio Lower Upper
166 100
165 99.1 78.7 118.1
167 13.8 11.0 16.4





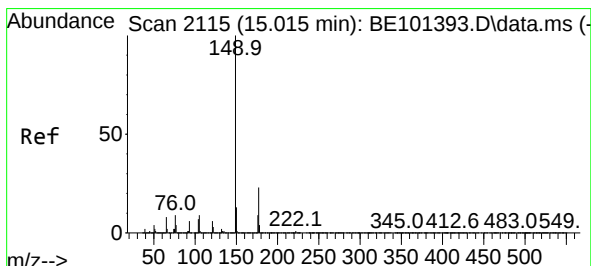
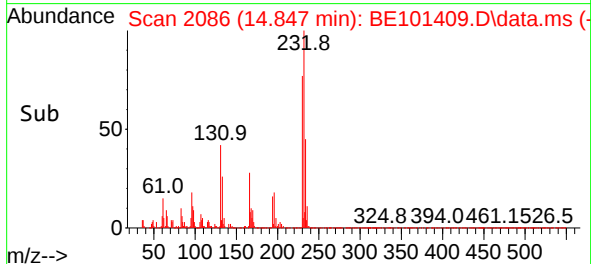
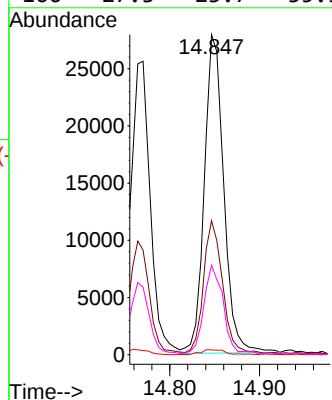
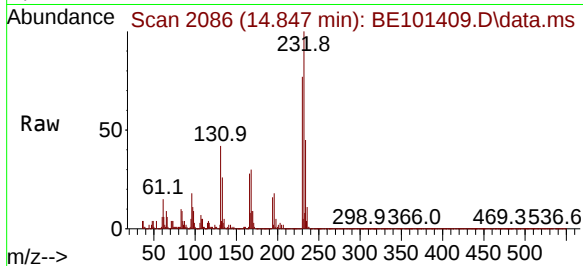
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.277 ng
RT: 14.847 min Scan# 2086
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:232 Resp: 4190
Ion Ratio Lower Upper
232 100
131 41.0 33.5 50.3
130 2.0 1.6 2.4
166 27.3 23.7 35.5

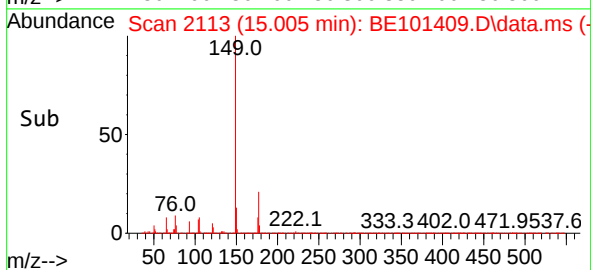
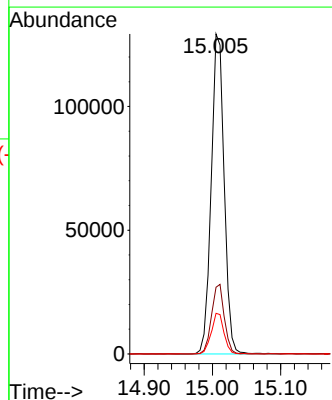
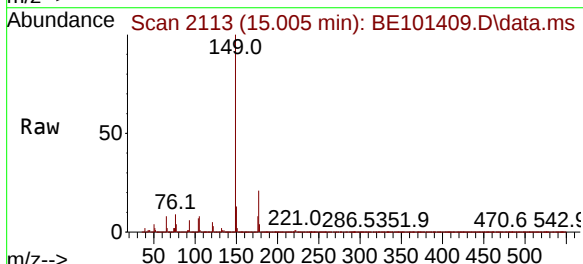
Manual Integrations
APPROVED

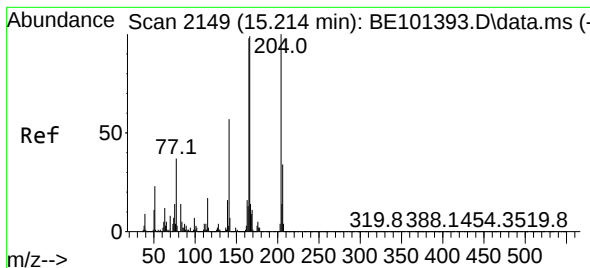
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#60
Diethylphthalate
Concen: 3.312 ng
RT: 15.005 min Scan# 2113
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

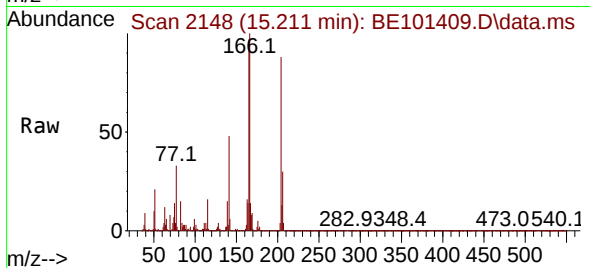
Tgt Ion:149 Resp: 170764
Ion Ratio Lower Upper
149 100
177 20.9 18.0 27.0
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 3.355 ng
RT: 15.211 min Scan# 2149
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

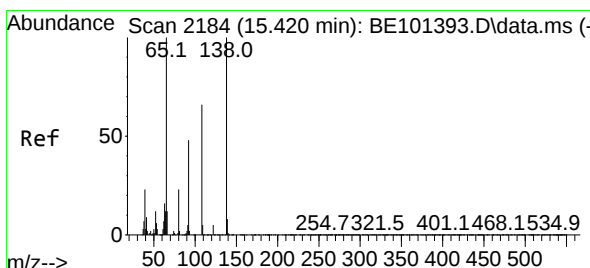
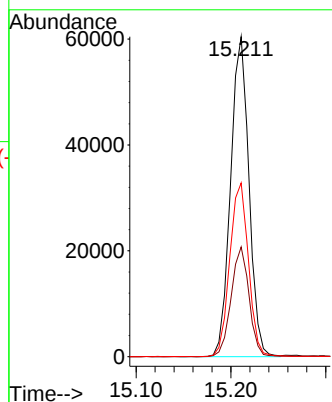
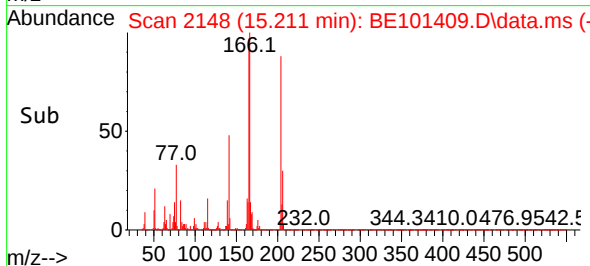
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 204 Resp: 81029
Ion Ratio Lower Upper
204 100
206 34.3 26.9 40.3
141 54.3 45.9 68.9

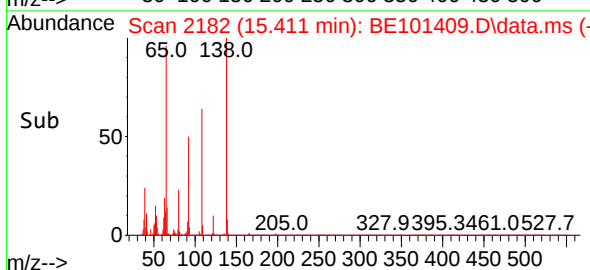
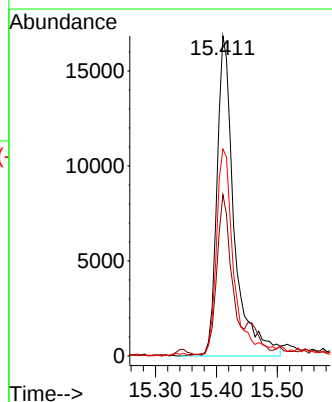
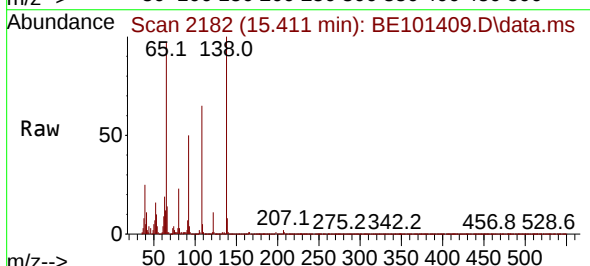
Manual Integrations
APPROVED

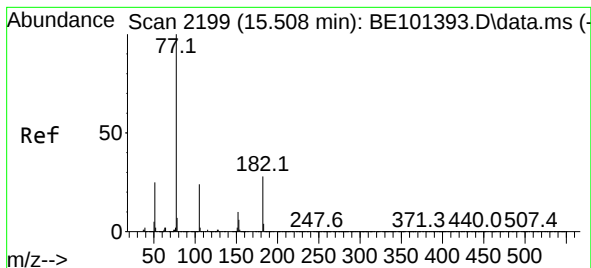
Reviewed By : Jagrut Upadhyay 10/30/2024
Supervised By : mohammad ahmed 11/04/2024



#62
4-Nitroaniline
Concen: 2.633 ng
RT: 15.411 min Scan# 2182
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 138 Resp: 33151
Ion Ratio Lower Upper
138 100
92 50.4 28.7 68.7
108 64.6 46.5 86.5





#63

Azobenzene

Concen: 3.374 ng

RT: 15.505 min Scan# 2199

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 77 Resp: 14954

Ion Ratio Lower Upper

77 100

182 25.8 7.6 47.6

105 22.8 3.2 43.2

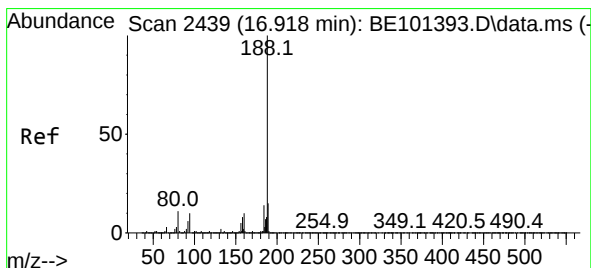
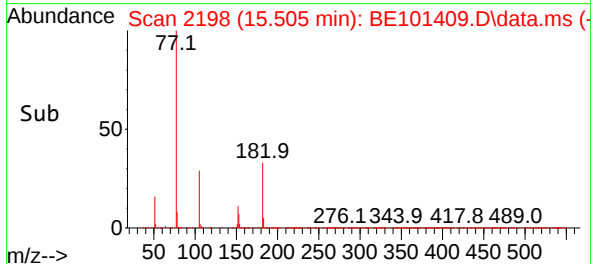
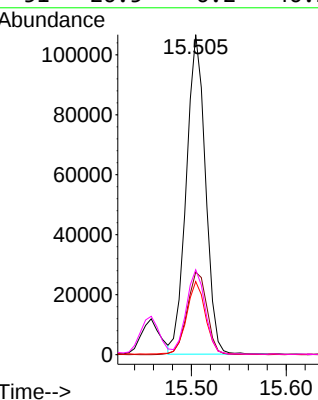
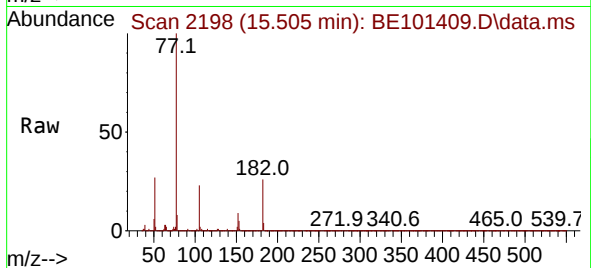
51 26.5 6.2 46.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024

Supervised By :mohammad ahmed 11/04/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.915 min Scan# 2438

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

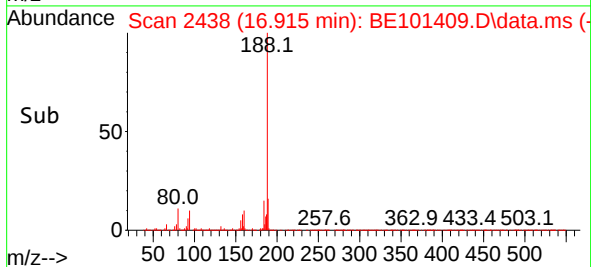
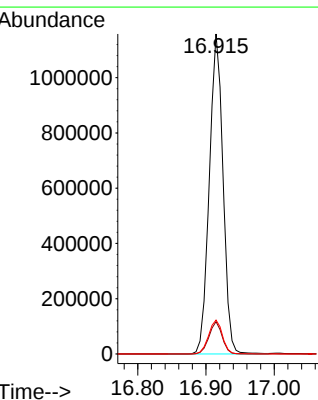
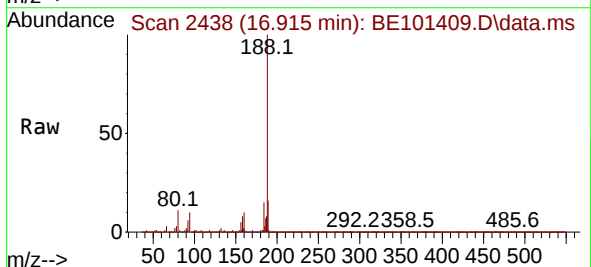
Tgt Ion:188 Resp: 1618175

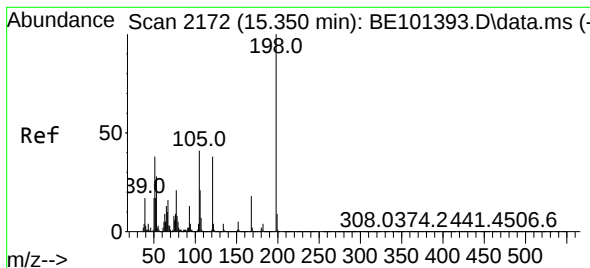
Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.8

80 10.6 8.6 12.8





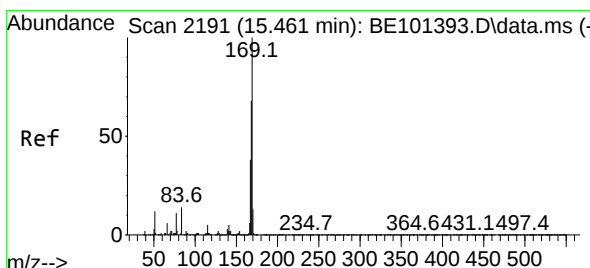
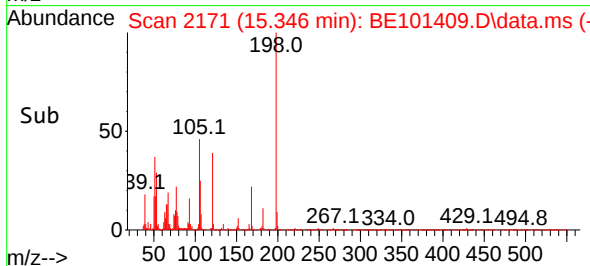
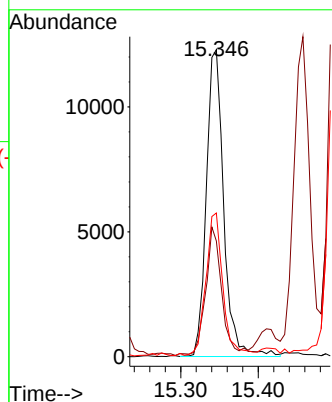
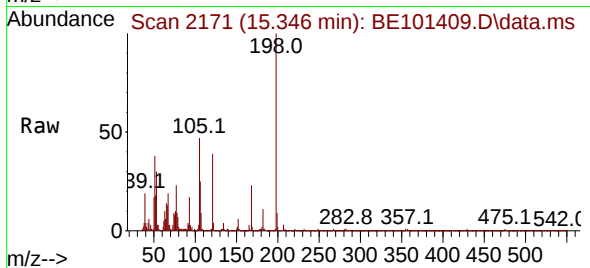
#65
4,6-Dinitro-2-methylphenol
Concen: 2.011 ng
RT: 15.346 min Scan# 2172
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:198 Resp: 19124
Ion Ratio Lower Upper
198 100
51 37.7 18.2 58.2
105 46.8 21.5 61.5

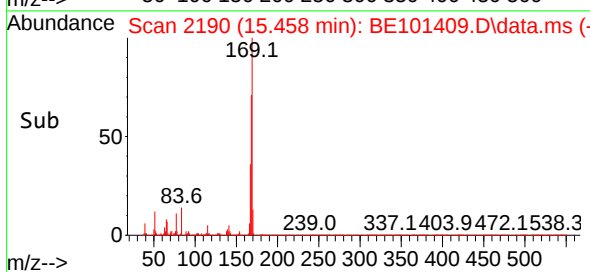
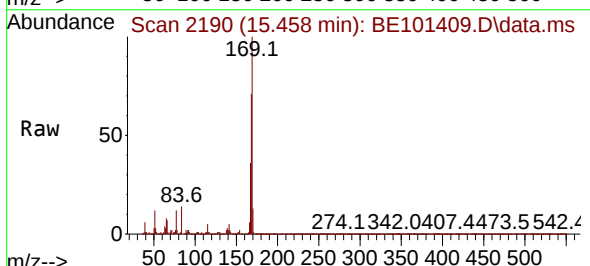
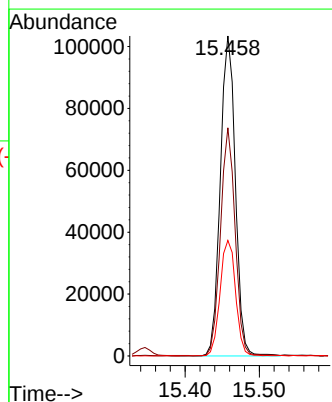
Manual Integrations
APPROVED

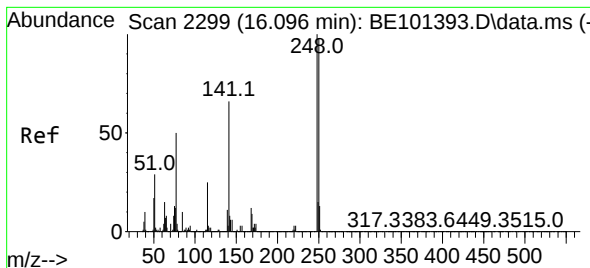
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#66
n-Nitrosodiphenylamine
Concen: 3.390 ng
RT: 15.458 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:169 Resp: 145472
Ion Ratio Lower Upper
169 100
168 71.3 54.5 81.7
167 36.1 30.4 45.6





#67

4-Bromophenyl-phenylether

Concen: 3.340 ng

RT: 16.092 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

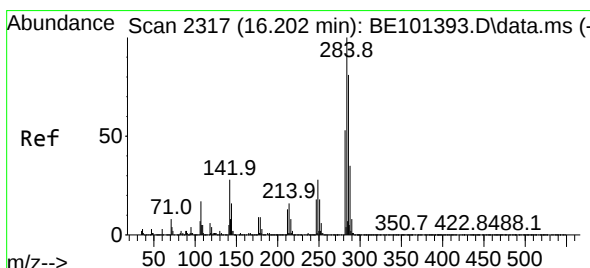
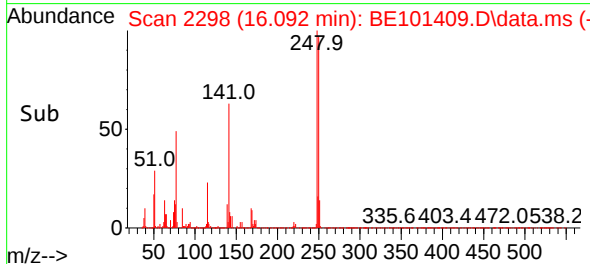
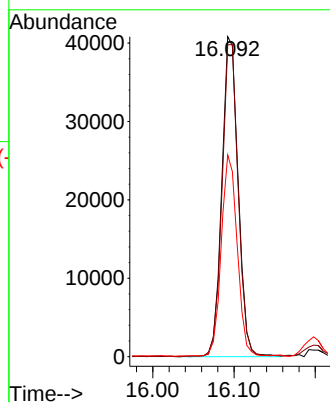
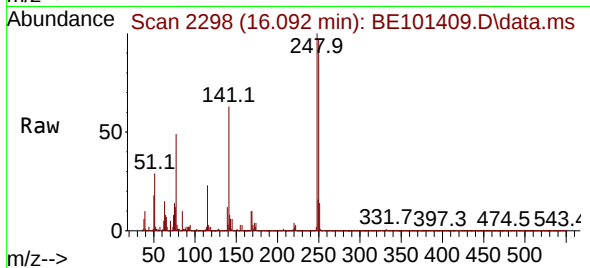
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:248	Resp: 5684
Ion Ratio	Lower Upper
248 100	
250 97.5	78.2 117.2
141 63.1	53.0 79.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#68

Hexachlorobenzene

Concen: 3.270 ng

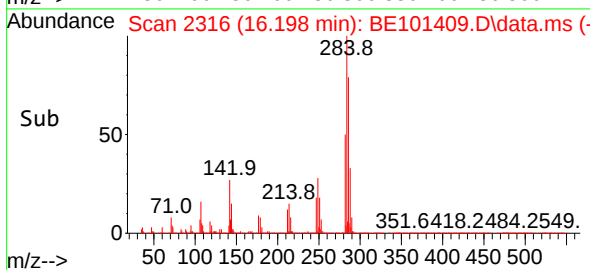
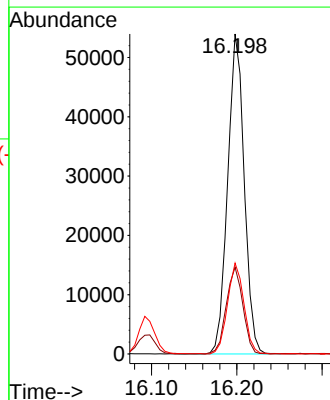
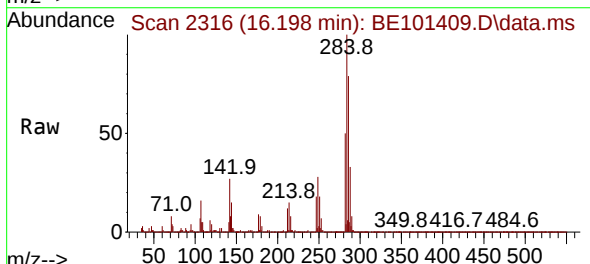
RT: 16.198 min Scan# 2316

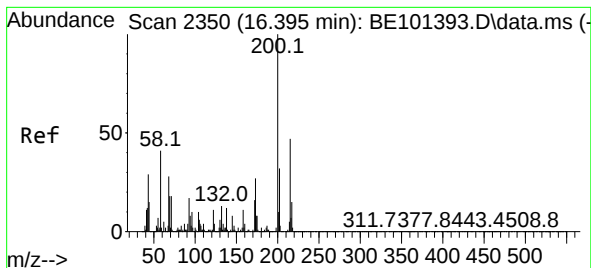
Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:284	Resp: 72966
Ion Ratio	Lower Upper
284 100	
142 27.1	22.2 33.2
249 28.4	22.8 34.2





#69

Atrazine

Concen: 4.094 ng

RT: 16.386 min Scan# 21

Delta R.T. -0.009 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

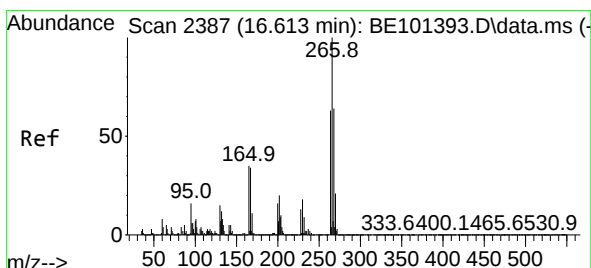
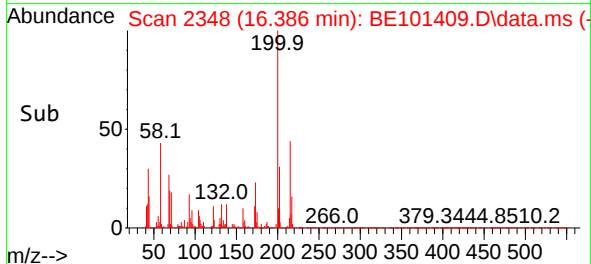
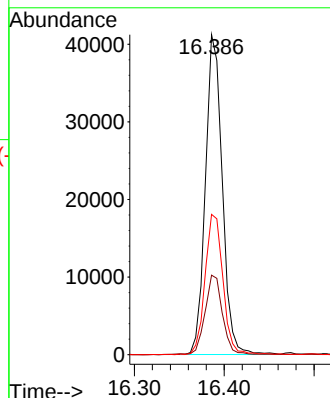
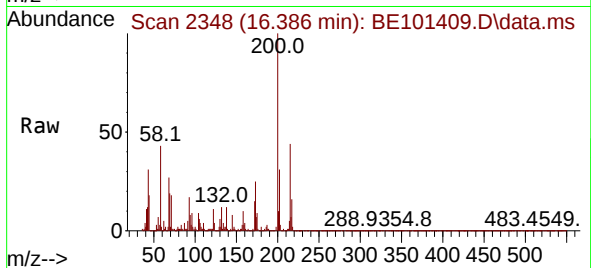
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:200 Resp: 53860
 Ion Ratio Lower Upper
 200 100
 173 24.8 7.0 47.0
 215 43.8 27.3 67.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#70

Pentachlorophenol

Concen: 2.528 ng

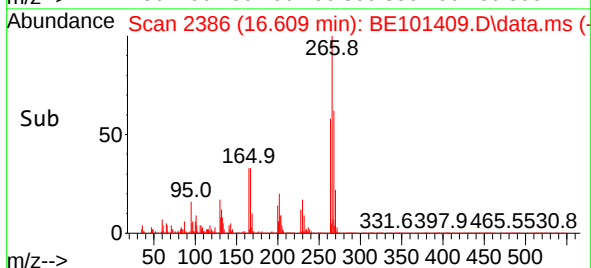
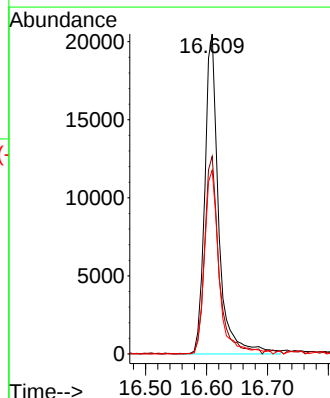
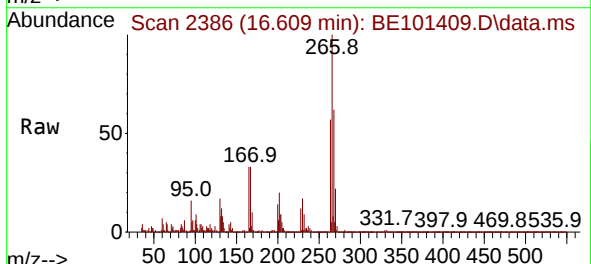
RT: 16.609 min Scan# 2386

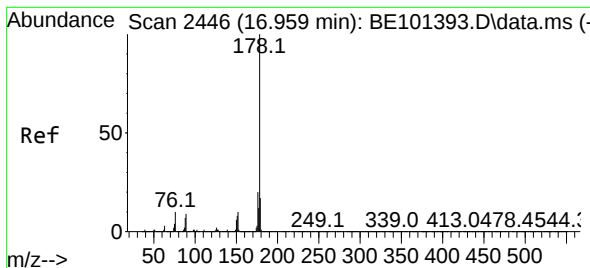
Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:266 Resp: 32468
 Ion Ratio Lower Upper
 266 100
 268 61.7 51.5 77.3
 264 57.5 50.7 76.1





#71

Phenanthrene

Concen: 3.705 ng

RT: 16.956 min Scan# 2446

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

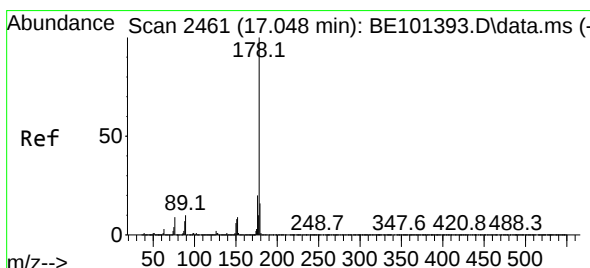
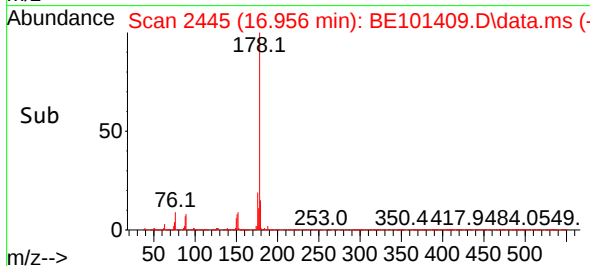
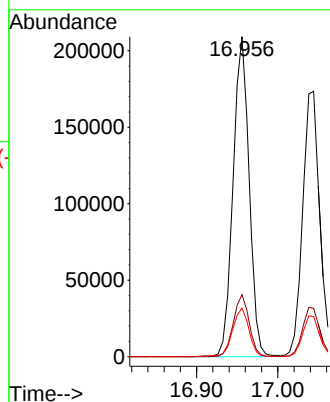
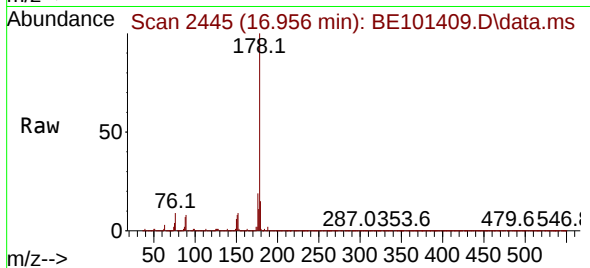
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:178	Resp: 287062
Ion Ratio	Lower Upper
178	100
176	19.4 16.4 24.6
179	15.2 13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#72

Anthracene

Concen: 3.425 ng

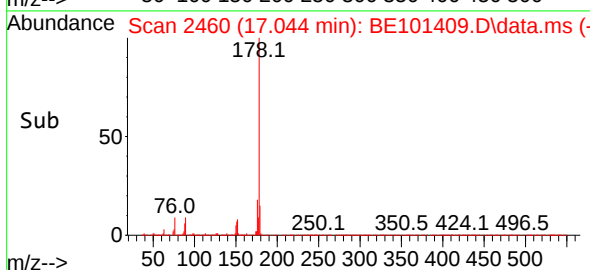
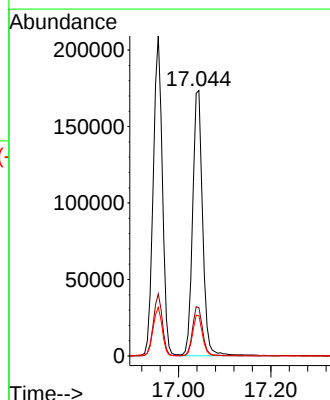
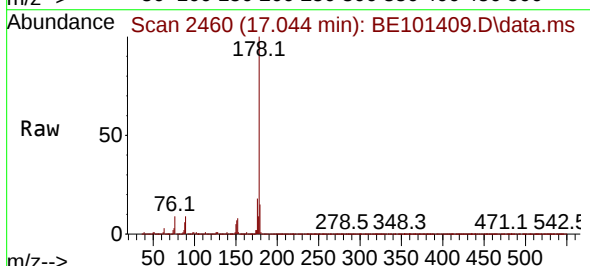
RT: 17.044 min Scan# 2460

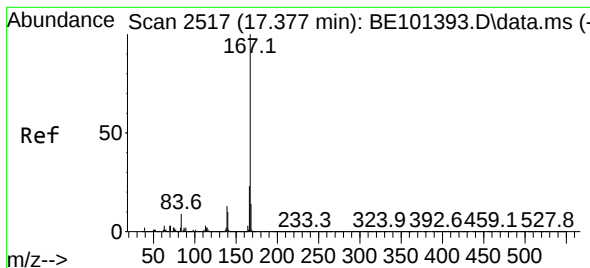
Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:178	Resp: 259126
Ion Ratio	Lower Upper
178	100
176	18.2 15.9 23.9
179	15.2 13.1 19.7





#73

Carbazole

Concen: 3.449 ng

RT: 17.367 min Scan# 21

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

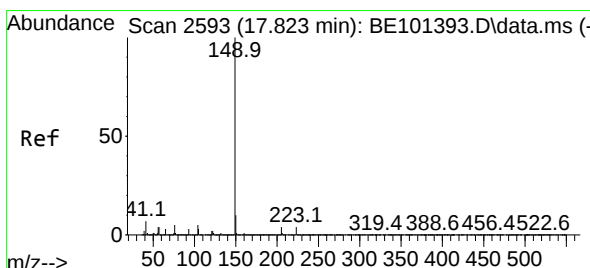
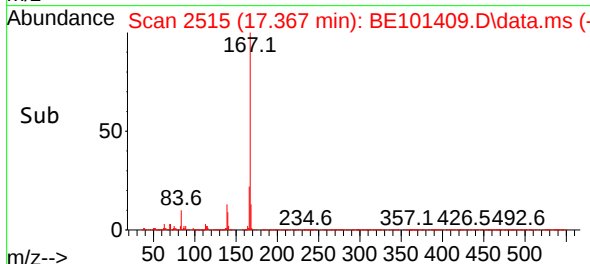
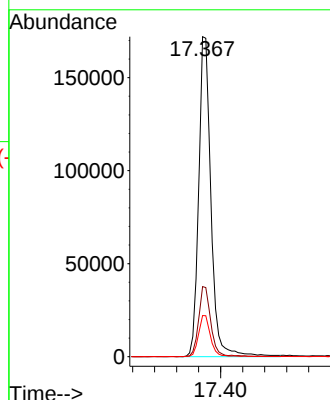
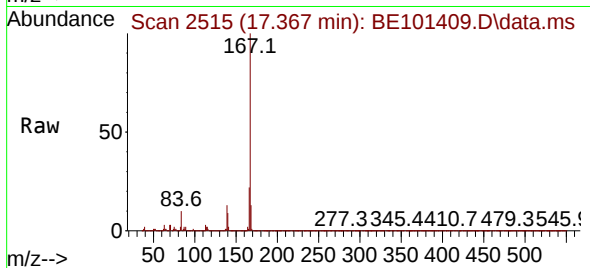
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:167	Resp: 26699
Ion Ratio	Lower Upper
167 100	
166 21.9	18.3 27.5
139 12.8	10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#74

Di-n-butylphthalate

Concen: 3.499 ng

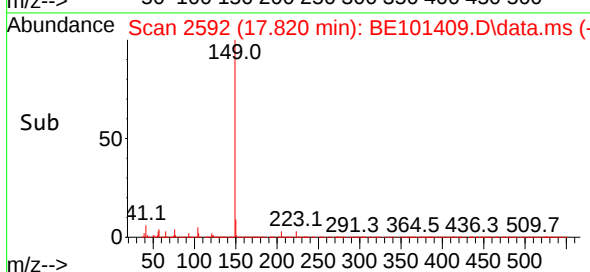
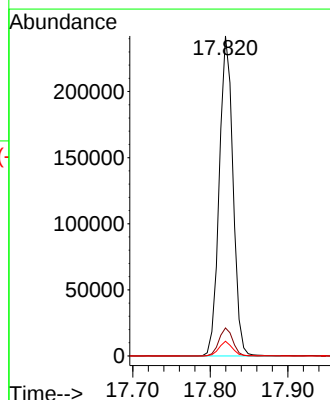
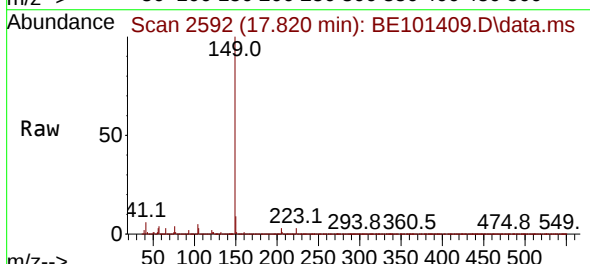
RT: 17.820 min Scan# 2592

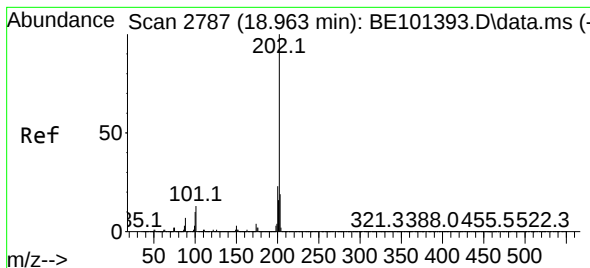
Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:149	Resp: 298203
Ion Ratio	Lower Upper
149 100	
150 8.8	8.2 12.4
104 4.6	3.9 5.9





#75

Fluoranthene

Concen: 3.649 ng

RT: 18.959 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

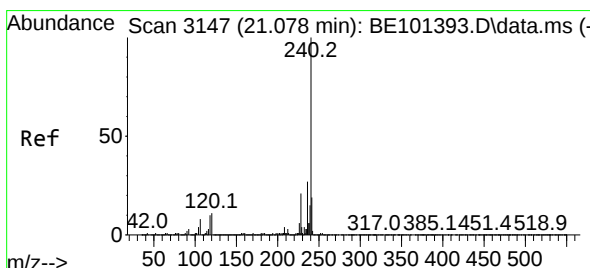
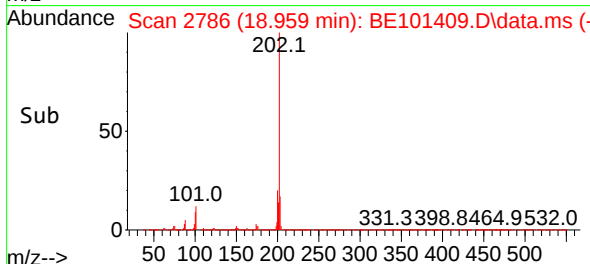
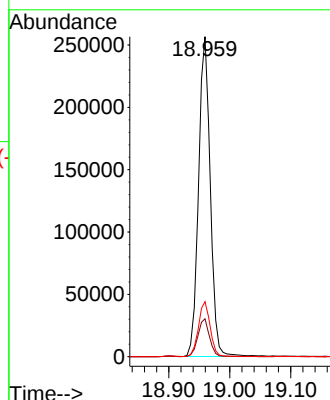
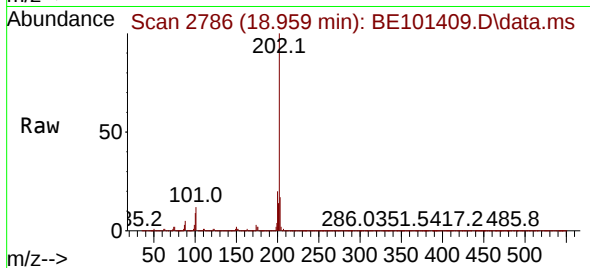
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	202	Resp:	343330
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	33.3
203	17.2	0.0	39.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#76

Chrysene-d12

Concen: 20.000 ng

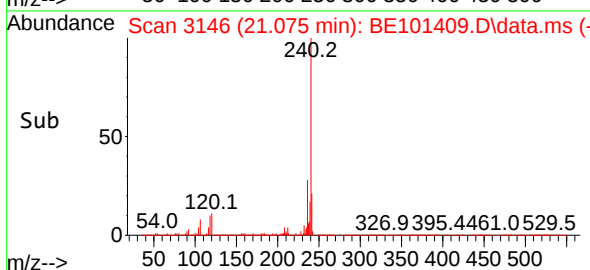
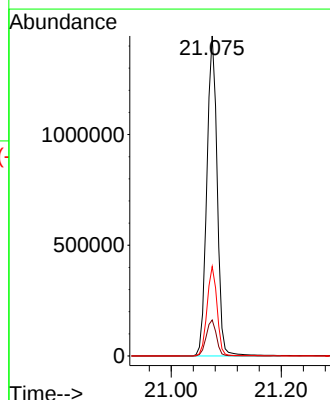
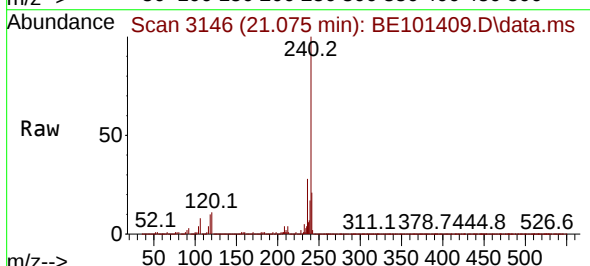
RT: 21.075 min Scan# 3146

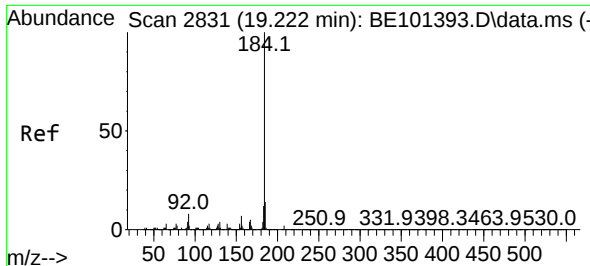
Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:	240	Resp:	1883551
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.0	13.4
236	28.0	21.4	32.0





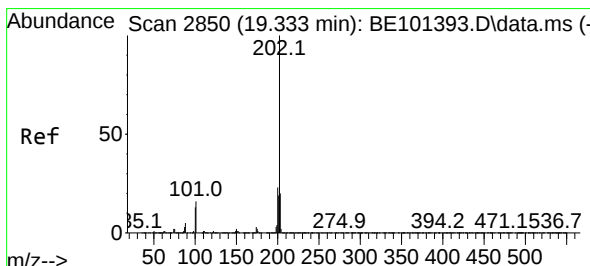
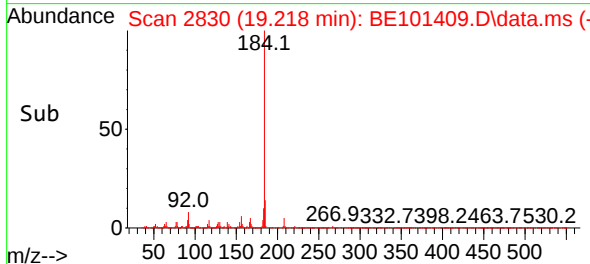
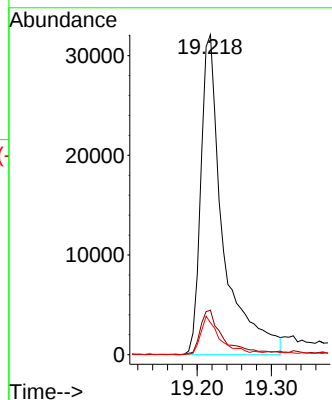
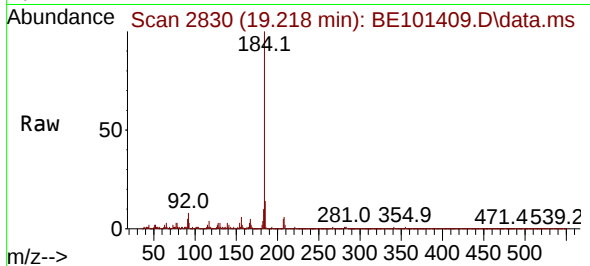
#77
Benzidine
Concen: 2.812 ng
RT: 19.218 min Scan# 2831
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:184 Resp: 67224
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 10.0 9.3 13.9

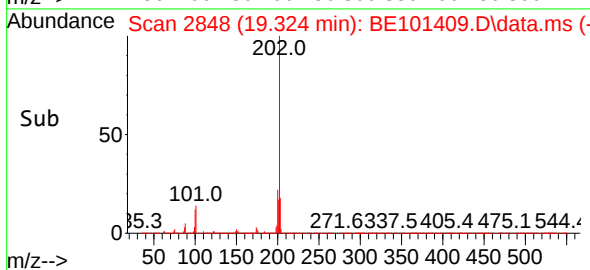
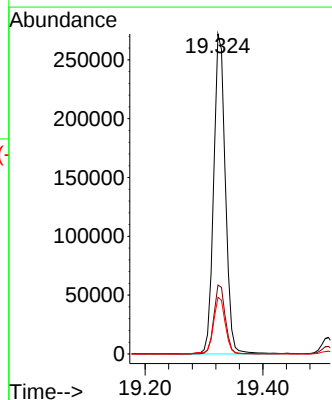
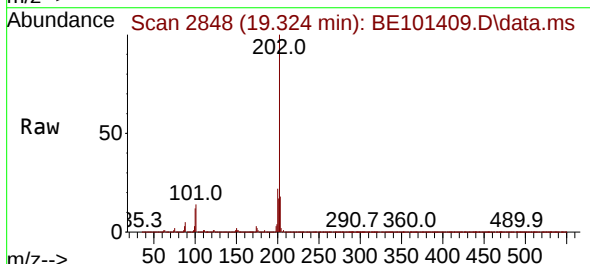
Manual Integrations
APPROVED

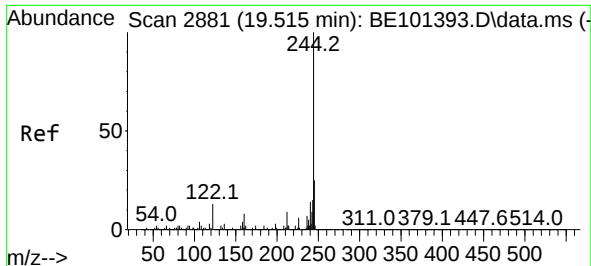
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#78
Pyrene
Concen: 3.616 ng
RT: 19.324 min Scan# 2848
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

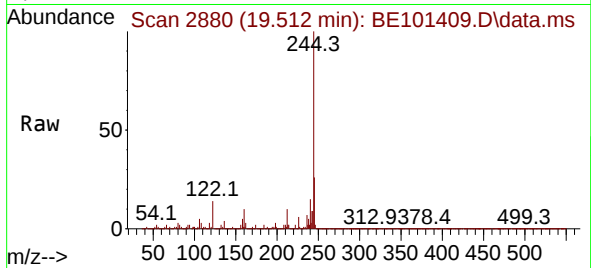
Tgt Ion:202 Resp: 374535
Ion Ratio Lower Upper
202 100
200 21.6 18.6 28.0
203 17.7 15.6 23.4





#79
 Terphenyl-d14
 Concen: 55.976 ng
 RT: 19.512 min Scan# 2881
 Delta R.T. -0.003 min
 Lab File: BE101409.D
 Acq: 29 Oct 2024 16:20

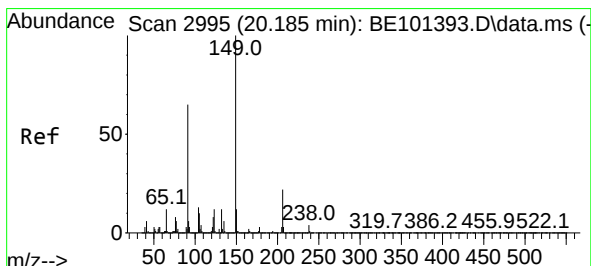
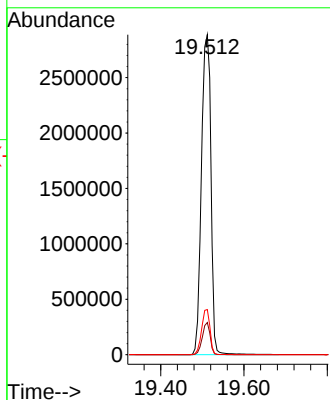
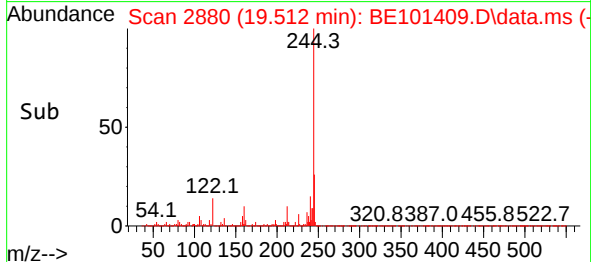
Instrument : BNA_E
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:244 Resp: 458094
 Ion Ratio Lower Upper
 244 100
 212 10.1 7.2 10.8
 122 14.1 10.4 15.6

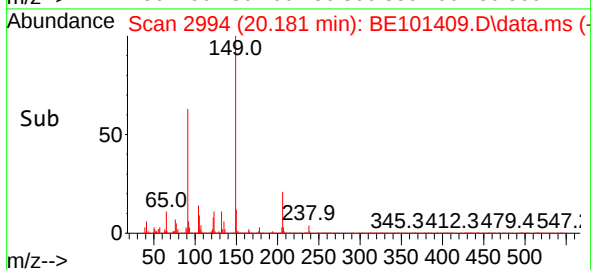
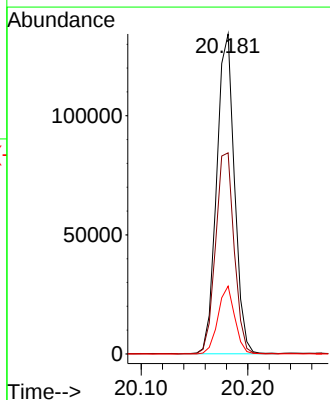
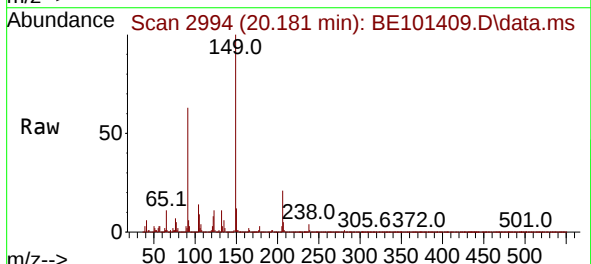
Manual Integrations
 APPROVED

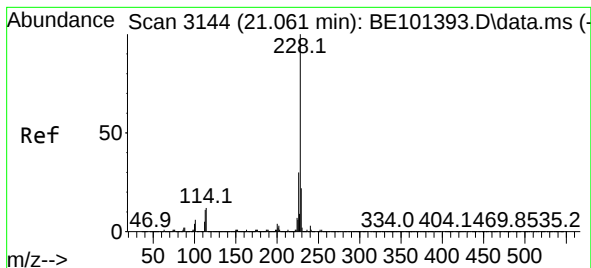
Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#80
 Butylbenzylphthalate
 Concen: 3.417 ng
 RT: 20.181 min Scan# 2994
 Delta R.T. -0.004 min
 Lab File: BE101409.D
 Acq: 29 Oct 2024 16:20

Tgt Ion:149 Resp: 155151
 Ion Ratio Lower Upper
 149 100
 91 62.9 51.8 77.8
 206 21.2 17.4 26.2





#81

Benzo(a)anthracene

Concen: 3.936 ng

RT: 21.051 min Scan# 3144

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

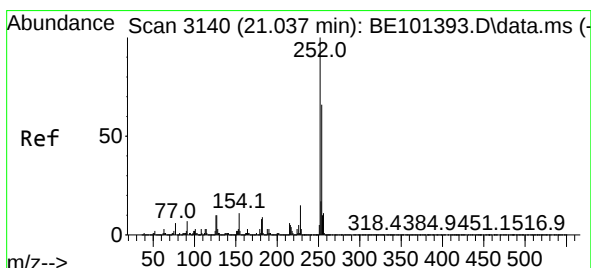
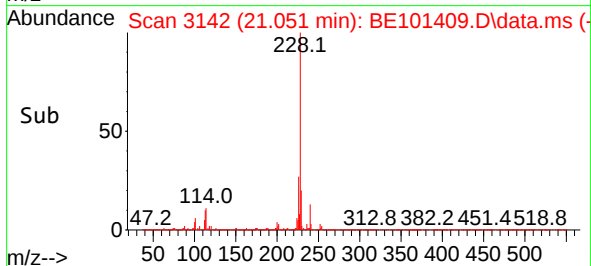
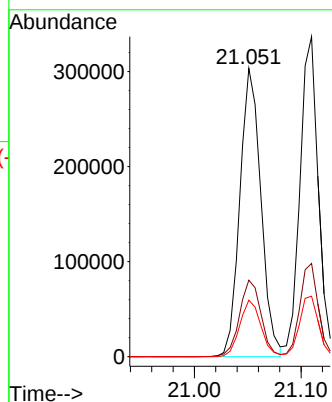
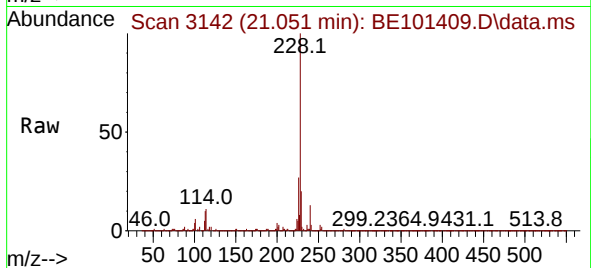
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	228	Resp:	416729
Ion Ratio	Lower	Upper	
228	100		
226	26.6	24.1	36.1
229	19.6	17.3	25.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#82

3,3'-Dichlorobenzidine

Concen: 3.327 ng

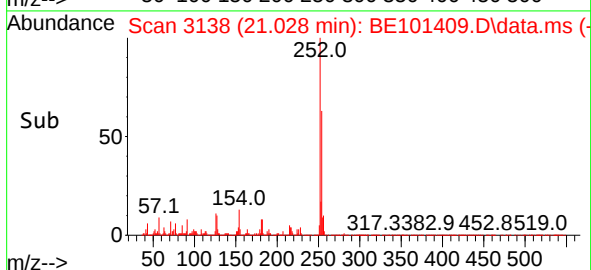
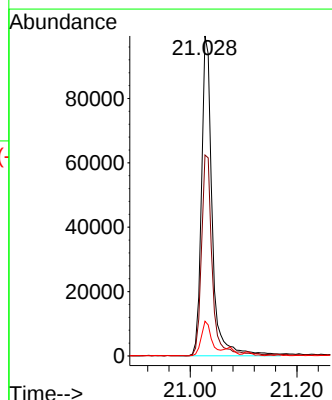
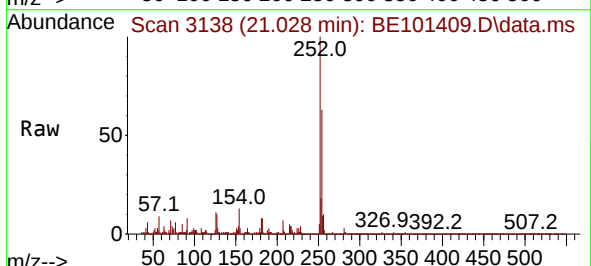
RT: 21.028 min Scan# 3138

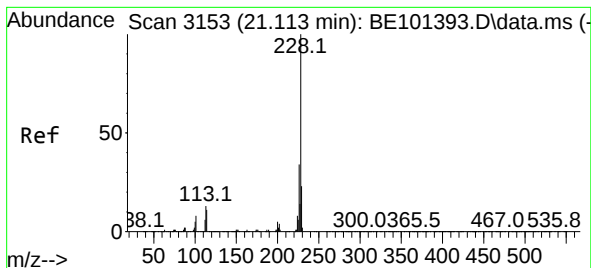
Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:	252	Resp:	137970
Ion Ratio	Lower	Upper	
252	100		
254	62.8	52.6	78.8
126	10.8	7.7	11.5





#83

Chrysene

Concen: 3.999 ng

RT: 21.110 min Scan# 3153

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

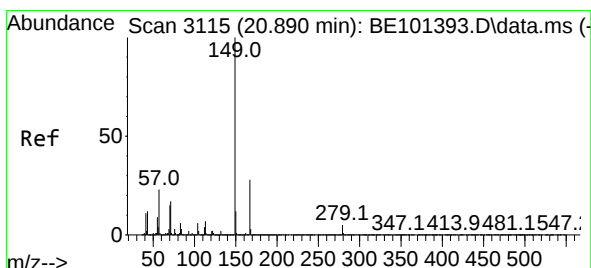
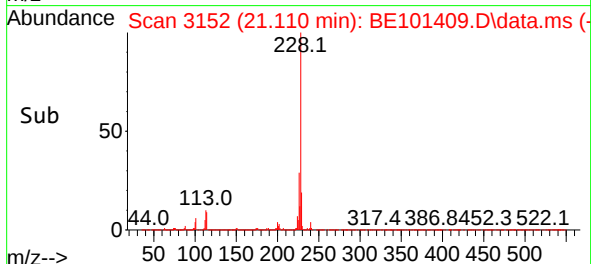
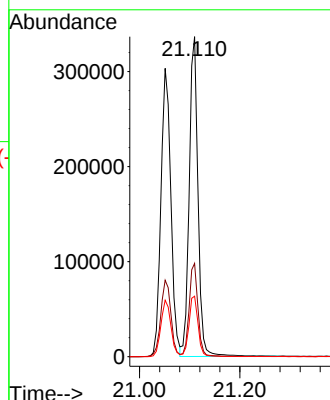
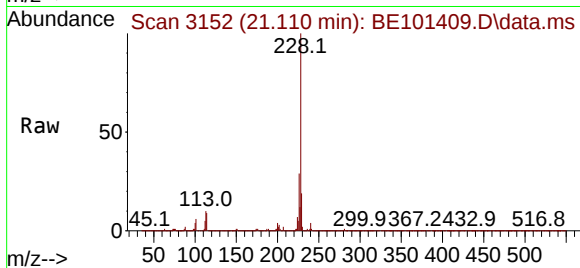
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	228	Resp:	40934
Ion Ratio	Lower	Upper	
228	100		
226	29.1	27.2	40.8
229	18.9	18.0	27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.341 ng

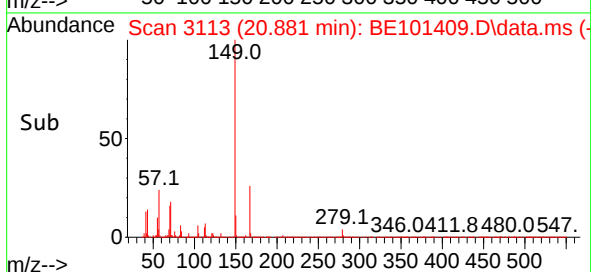
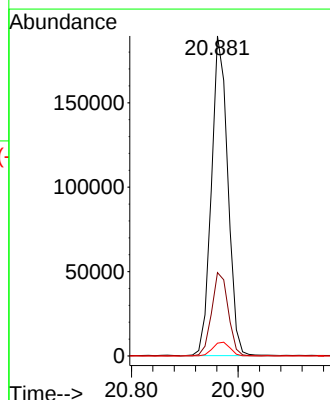
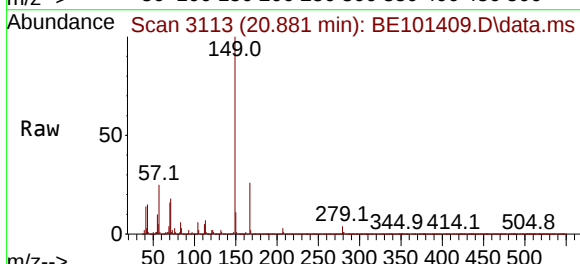
RT: 20.881 min Scan# 3113

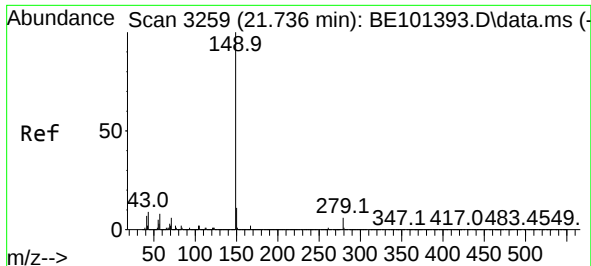
Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

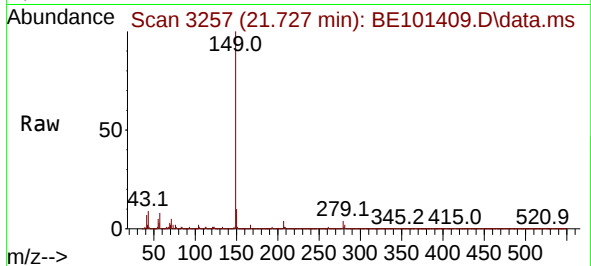
Tgt Ion:	149	Resp:	201538
Ion Ratio	Lower	Upper	
149	100		
167	26.1	22.7	34.1
279	4.0	4.3	6.5





#85
Di-n-octyl phthalate
Concen: 3.479 ng
RT: 21.727 min Scan# 31
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

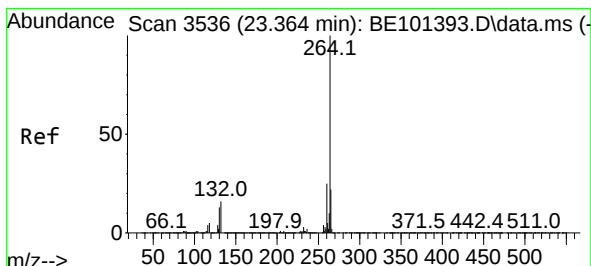
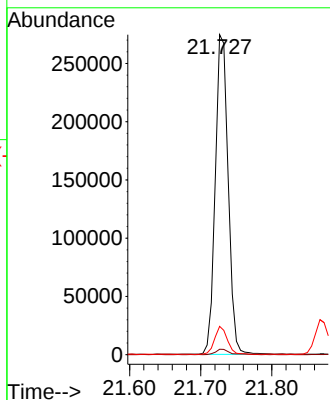
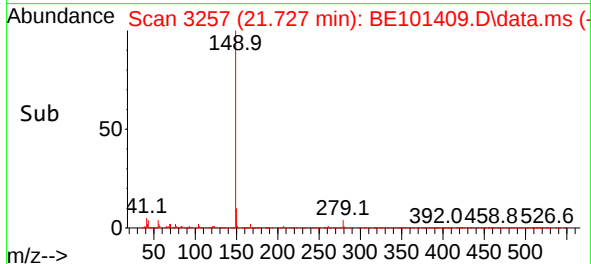
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:149 Resp: 344472
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.0
43 8.6 7.0 10.4

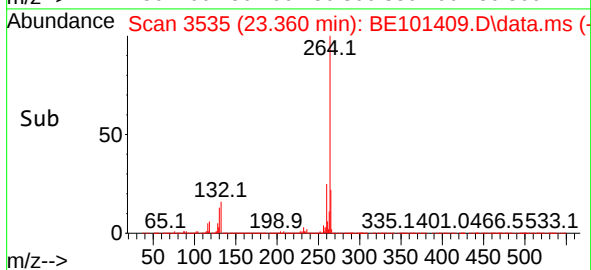
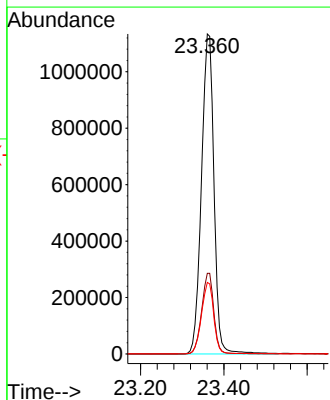
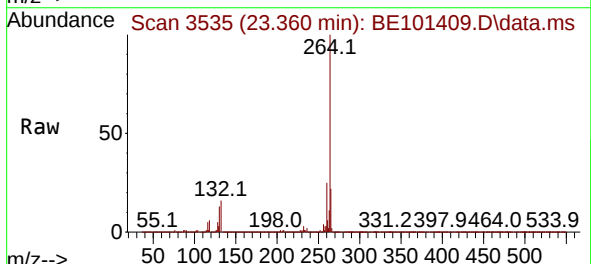
Manual Integrations
APPROVED

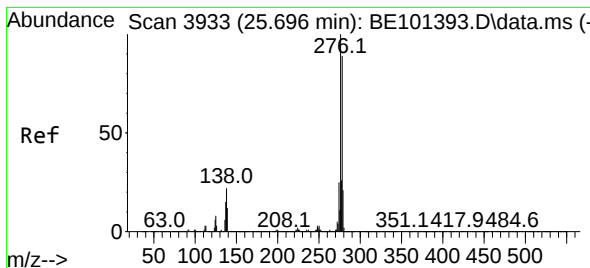
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.360 min Scan# 3535
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:264 Resp: 2370908
Ion Ratio Lower Upper
264 100
260 25.2 19.8 29.8
265 22.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.603 ng

RT: 25.663 min Scan# 3933

Delta R.T. -0.033 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

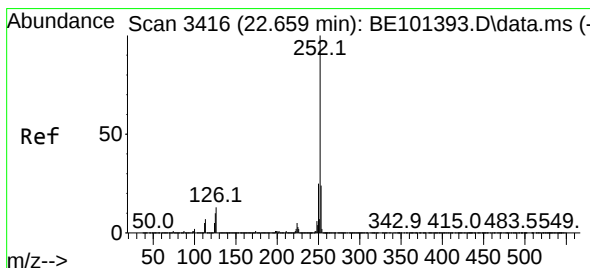
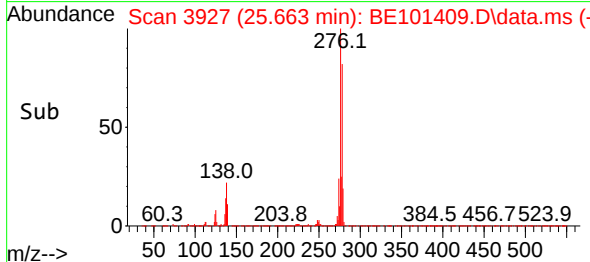
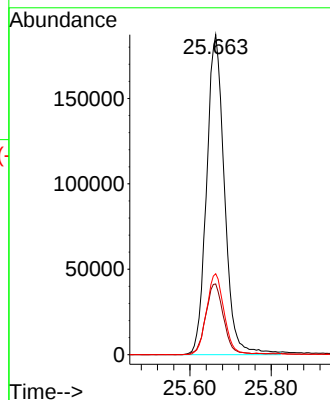
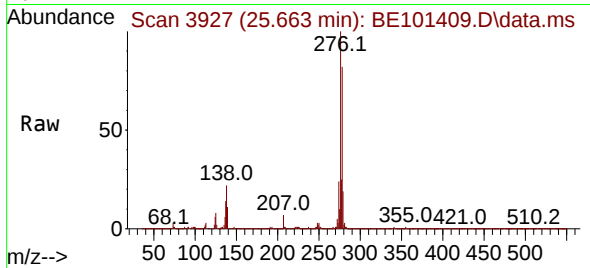
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	276	Resp:	571649
Ion Ratio	Lower	Upper	
276	100		
138	22.1	17.8	26.8
277	24.8	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#88

Benzo(b)fluoranthene

Concen: 3.514 ng

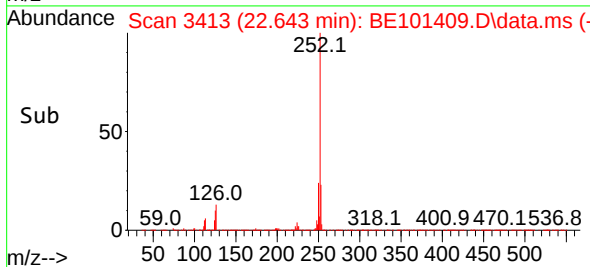
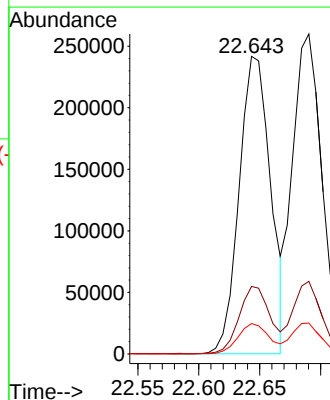
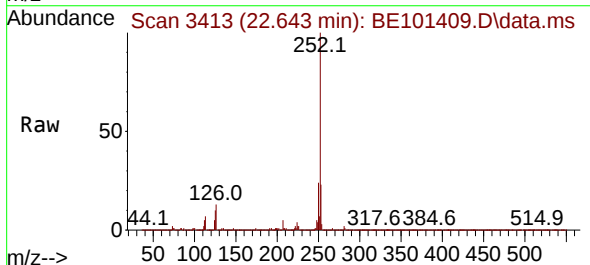
RT: 22.643 min Scan# 3413

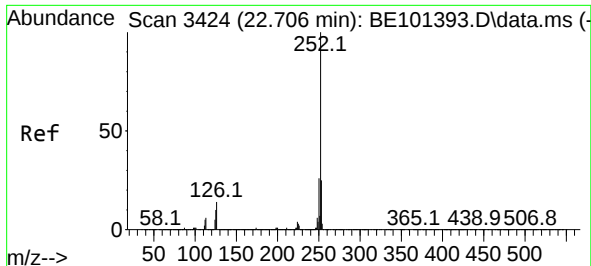
Delta R.T. -0.015 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

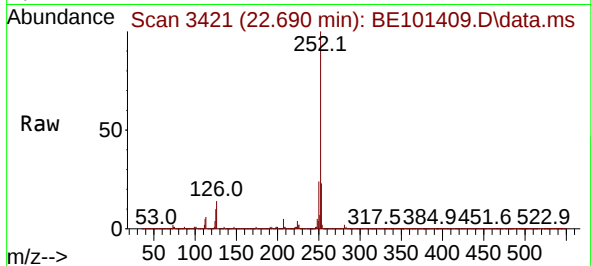
Tgt Ion:	252	Resp:	434141
Ion Ratio	Lower	Upper	
252	100		
253	22.7	19.0	28.6
125	10.2	8.2	12.2





#89
Benzo(k)fluoranthene
Concen: 3.897 ng
RT: 22.690 min Scan# 3424
Delta R.T. -0.015 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

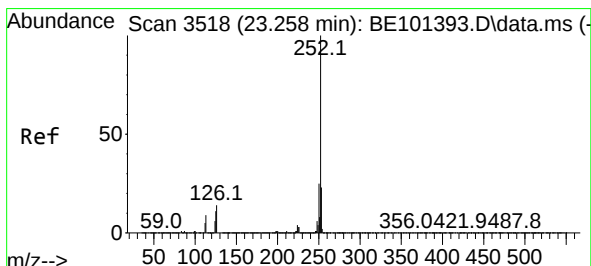
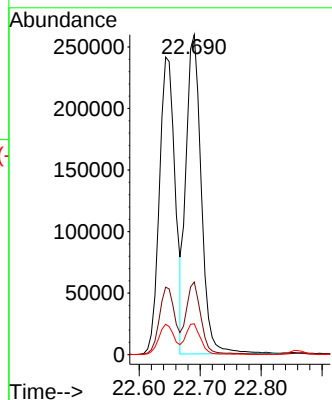
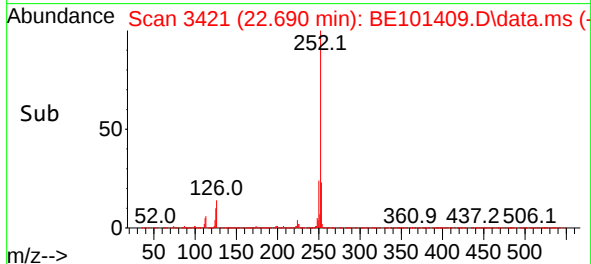
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:252 Resp: 449800
Ion Ratio Lower Upper
252 100
253 22.7 19.4 29.2
125 9.6 8.2 12.2

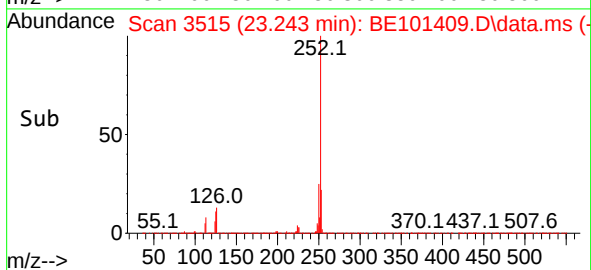
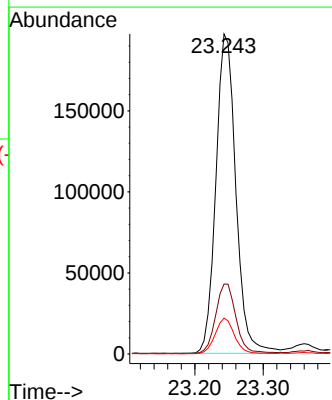
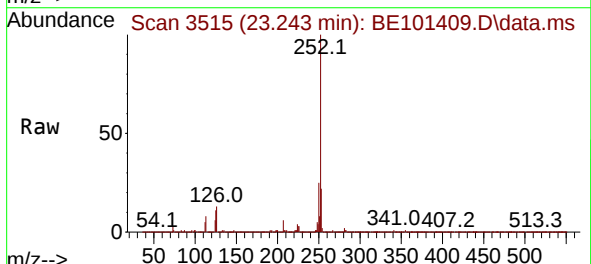
Manual Integrations
APPROVED

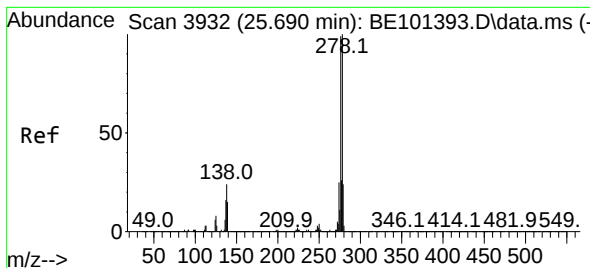
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#90
Benzo(a)pyrene
Concen: 3.713 ng
RT: 23.243 min Scan# 3515
Delta R.T. -0.015 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:252 Resp: 401252
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 11.2 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.610 ng

RT: 25.657 min Scan# 3932

Delta R.T. -0.033 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

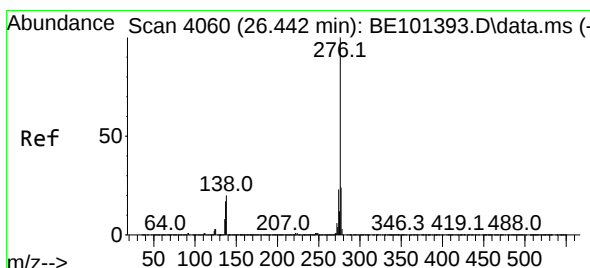
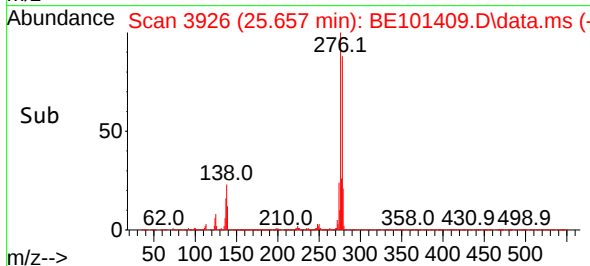
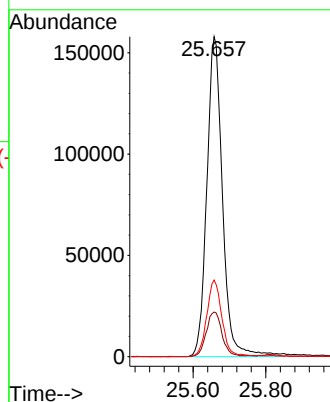
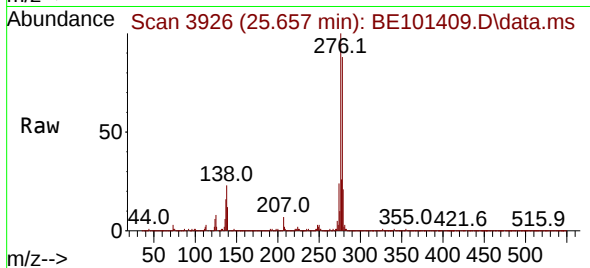
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	278	Resp:	47324
Ion Ratio	Lower	Upper	
278	100		
139	14.0	11.9	17.9
279	24.0	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#92

Benzo(g,h,i)perylene

Concen: 3.305 ng

RT: 26.409 min Scan# 4054

Delta R.T. -0.033 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:	276	Resp:	446449
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.2
138	19.2	15.8	23.6

