

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141310.D
 Acq On : 30 Jan 2025 13:39
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Jan 30 14:01:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	167746	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	673995	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	371354	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	641043	20.000	ng	0.00
76) Chrysene-d12	13.969	240	386477	20.000	ng	0.00
86) Perylene-d12	15.427	264	358301	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1140536	104.381	ng	0.00
7) Phenol-d6	6.428	99	1551118	111.591	ng	-0.01
23) Nitrobenzene-d5	7.363	82	1067152	83.467	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	410064	120.449	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1863827	77.252	ng	0.00
79) Terphenyl-d14	12.916	244	1910086	76.219	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	38606	8.034	ng	98
3) Pyridine	3.252	79	88457	7.640	ng	99
4) n-Nitrosodimethylamine	3.152	42	53838	8.140	ng	100
6) Aniline	6.463	93	132188	11.234	ng	99
8) 2-Chlorophenol	6.581	128	102152	8.722	ng	86
9) Benzaldehyde	6.345	77	83588	10.382	ng	99
10) Phenol	6.440	94	127261	8.637	ng	# 69
11) bis(2-Chloroethyl)ether	6.534	93	101433	8.978	ng	100
12) 1,3-Dichlorobenzene	6.740	146	106781	8.269	ng	98
13) 1,4-Dichlorobenzene	6.816	146	108422	8.358	ng	99
14) 1,2-Dichlorobenzene	6.969	146	100559	8.278	ng	99
15) Benzyl Alcohol	6.934	79	98143	10.332	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	183007	9.315	ng	100
17) 2-Methylphenol	7.045	107	80443	8.451	ng	99
18) Hexachloroethane	7.310	117	38566	8.059	ng	94
19) n-Nitroso-di-n-propyla...	7.204	70	76981	9.320	ng	98
20) 3+4-Methylphenols	7.198	107	106875	9.145	ng	94
22) Acetophenone	7.204	105	156269	9.754	ng	98
24) Nitrobenzene	7.381	77	113990	8.603	ng	99
25) Isophorone	7.616	82	207071	9.369	ng	99
26) 2-Nitrophenol	7.692	139	53828	8.614	ng	97
27) 2,4-Dimethylphenol	7.728	122	50714m	6.376	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	128444	9.111	ng	99
29) 2,4-Dichlorophenol	7.934	162	86201	8.853	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	96688	8.695	ng	99
31) Naphthalene	8.104	128	319890	8.984	ng	99
32) Benzoic acid	7.804	122	46839	6.406	ng	98
33) 4-Chloroaniline	8.151	127	119508	9.898	ng	98
34) Hexachlorobutadiene	8.222	225	52966	8.122	ng	99
35) Caprolactam	8.486	113	28825	9.065	ng	96
36) 4-Chloro-3-methylphenol	8.628	107	96746	9.263	ng	100
37) 2-Methylnaphthalene	8.792	142	210020	9.281	ng	99
38) 1-Methylnaphthalene	8.892	142	193672	8.712	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	99014	9.372	ng	98
41) Hexachlorocyclopentadiene	8.945	237	19399	6.218	ng	96
43) 2,4,6-Trichlorophenol	9.069	196	59537	8.610	ng	99

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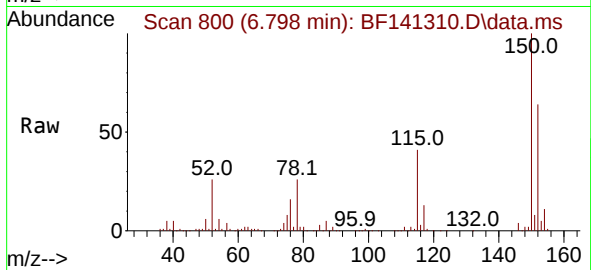
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	62928	8.361	ng	97
46) 1,1'-Biphenyl	9.257	154	277952	9.597	ng	99
47) 2-Chloronaphthalene	9.281	162	199524	8.839	ng	98
48) 2-Nitroaniline	9.375	65	62018	8.735	ng	98
49) Acenaphthylene	9.692	152	315758	9.993	ng	99
50) Dimethylphthalate	9.551	163	227751	9.081	ng	99
51) 2,6-Dinitrotoluene	9.616	165	49125	8.436	ng	97
52) Acenaphthene	9.869	154	202358	8.964	ng	99
53) 3-Nitroaniline	9.781	138	51191	8.969	ng	96
54) 2,4-Dinitrophenol	9.892	184	16302	6.022	ng	93
55) Dibenzofuran	10.039	168	285209	9.439	ng	98
56) 4-Nitrophenol	9.939	139	32463	7.777	ng	99
57) 2,4-Dinitrotoluene	10.016	165	67706	8.980	ng	98
58) Fluorene	10.381	166	220152	9.393	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	56195	9.491	ng	99
60) Diethylphthalate	10.257	149	224159	9.217	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	106014	9.260	ng	100
62) 4-Nitroaniline	10.392	138	46563	8.298	ng	98
63) Azobenzene	10.539	77	226216	9.293	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	30302	7.992	ng	99
66) n-Nitrosodiphenylamine	10.492	169	189543	9.142	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	64073	8.928	ng	96
68) Hexachlorobenzene	10.928	284	69764	9.164	ng	98
69) Atrazine	11.016	200	63114	9.104	ng	99
70) Pentachlorophenol	11.128	266	35463	7.955	ng	98
71) Phenanthrene	11.345	178	331268	9.613	ng	99
72) Anthracene	11.398	178	317974	9.418	ng	99
73) Carbazole	11.551	167	276219	9.226	ng	99
74) Di-n-butylphthalate	11.886	149	347454	9.576	ng	99
75) Fluoranthene	12.533	202	323845	9.518	ng	100
77) Benzidine	12.663	184	55048	4.443	ng	98
78) Pyrene	12.763	202	332587	8.965	ng	99
80) Butylbenzylphthalate	13.386	149	116452	8.985	ng	98
81) Benzo(a)anthracene	13.957	228	240608	9.022	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	70703	8.336	ng	99
83) Chrysene	13.992	228	218242	8.929	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	153903	9.361	ng	98
85) Di-n-octyl phthalate	14.574	149	215426	8.436	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	202485	8.756	ng	99
88) Benzo(b)fluoranthene	15.004	252	212722	9.438	ng	99
89) Benzo(k)fluoranthene	15.033	252	177528	8.892	ng	99
90) Benzo(a)pyrene	15.363	252	175941	9.238	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	157474	8.464	ng	99
92) Benzo(g,h,i)perylene	17.304	276	159250	8.232	ng	98

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141310.D
 Acq: 30 Jan 2025 13:39

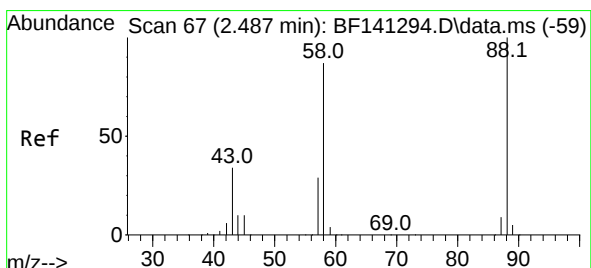
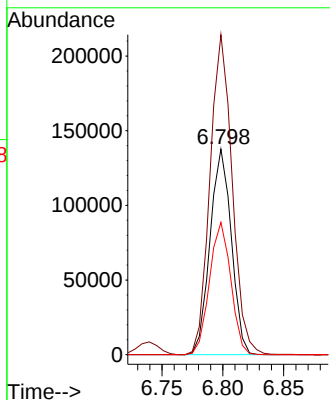
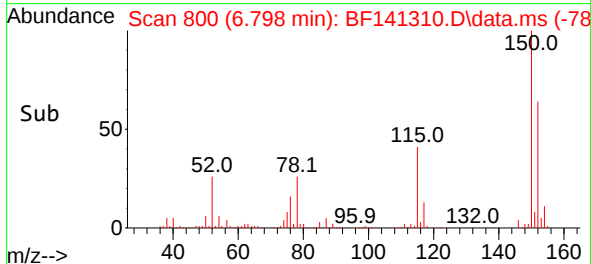
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:152 Resp: 167740
 Ion Ratio Lower Upper
 152 100
 150 155.7 125.9 188.9
 115 64.4 49.7 74.5

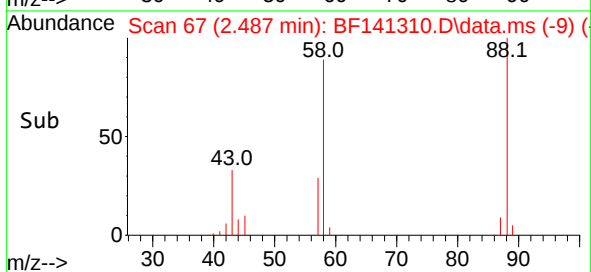
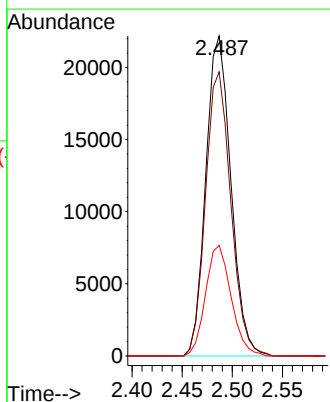
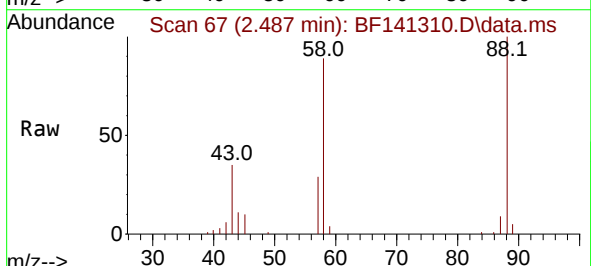
Manual Integrations
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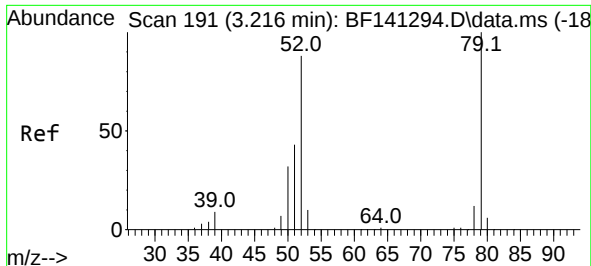
Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025



#2
 1,4-Dioxane
 Concen: 8.034 ng
 RT: 2.487 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BF141310.D
 Acq: 30 Jan 2025 13:39

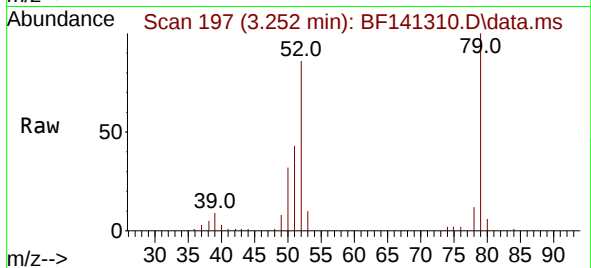
Tgt Ion: 88 Resp: 38606
 Ion Ratio Lower Upper
 88 100
 58 89.6 70.2 105.4
 43 35.2 27.6 41.4





#3
Pyridine
Concen: 7.640 ng
RT: 3.252 min Scan# 180
Delta R.T. 0.023 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

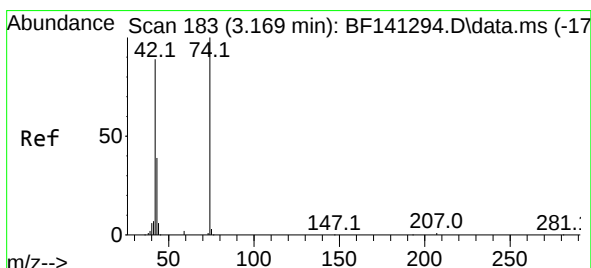
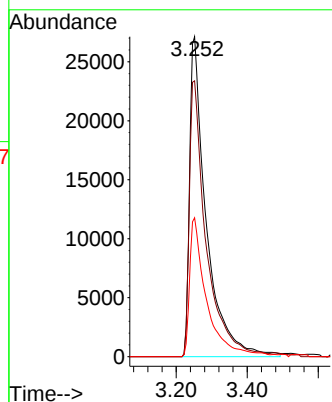
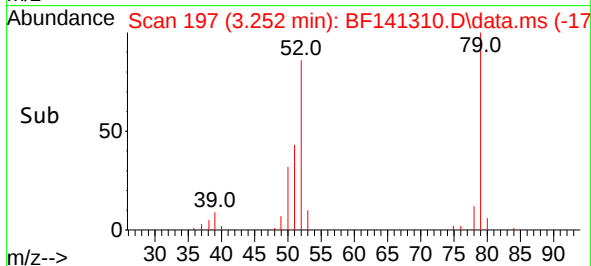
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



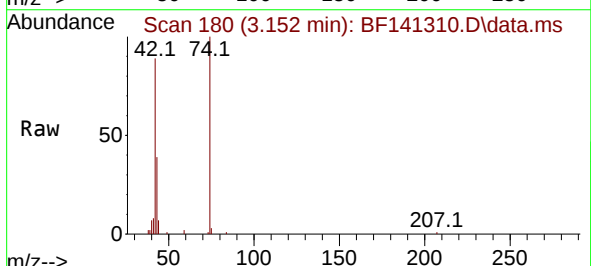
Tgt Ion: 79 Resp: 8845
Ion Ratio Lower Upper
79 100
52 86.2 70.3 105.5
51 43.4 34.3 51.5

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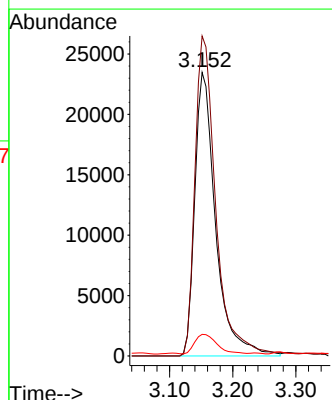
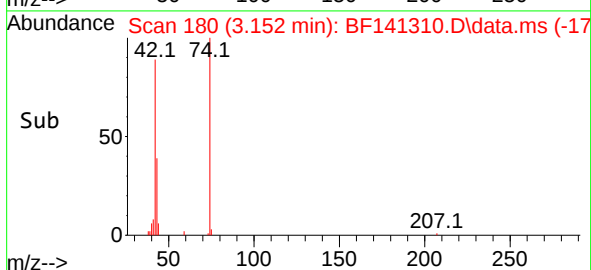
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

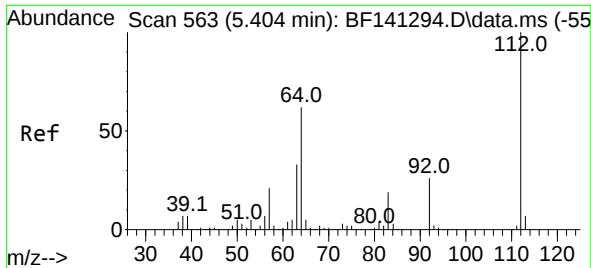


#4
n-Nitrosodimethylamine
Concen: 8.140 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.047 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



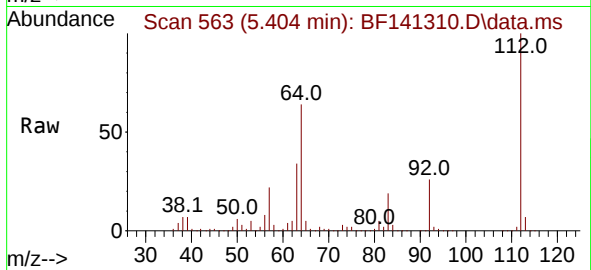
Tgt Ion: 42 Resp: 53838
Ion Ratio Lower Upper
42 100
74 112.8 90.3 135.5
44 7.6 5.7 8.5





#5
2-Fluorophenol
Concen: 104.381 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

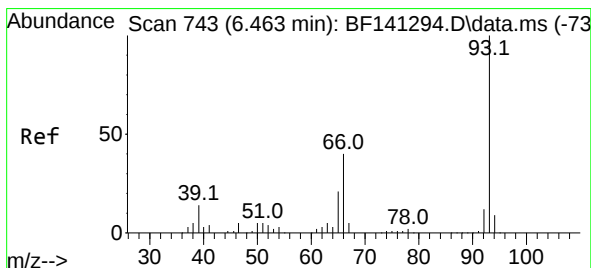
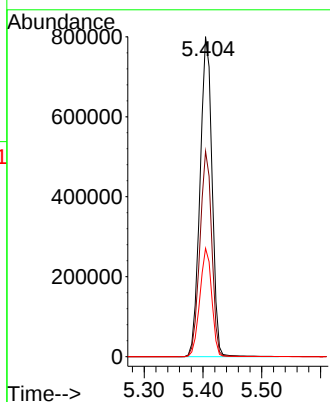
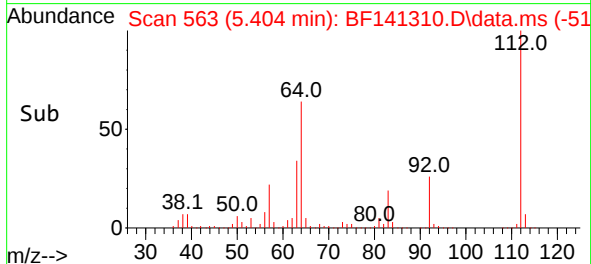
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:112 Resp: 1140530
Ion Ratio Lower Upper
112 100
64 64.2 49.8 74.8
63 33.9 26.1 39.1

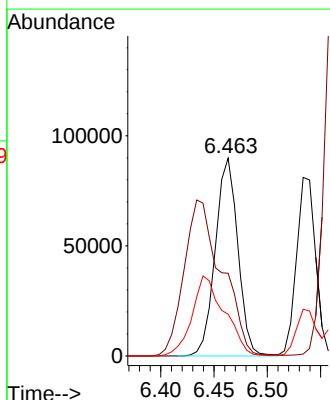
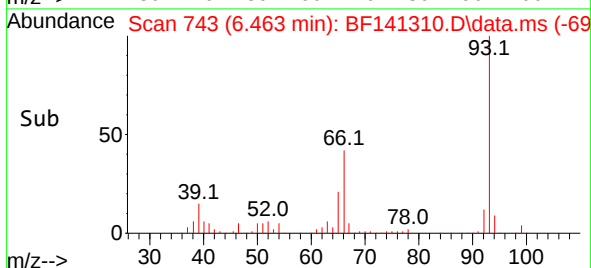
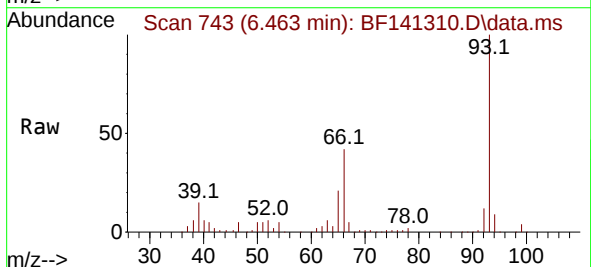
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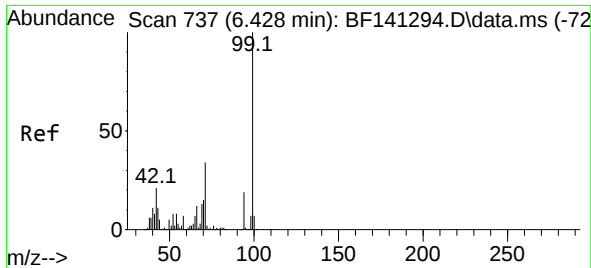
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#6
Aniline
Concen: 11.234 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Tgt Ion: 93 Resp: 132188
Ion Ratio Lower Upper
93 100
66 41.8 32.5 48.7
65 21.1 17.0 25.6





#7

Phenol-d6

Concen: 111.591 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 99 Resp: 1551118

Ion Ratio Lower Upper

99 100

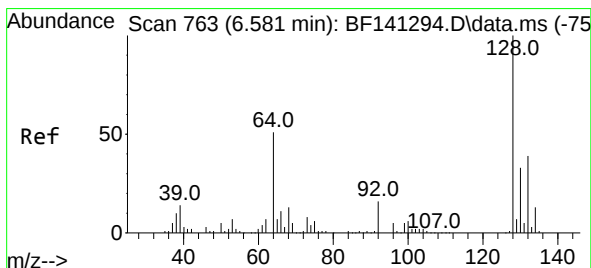
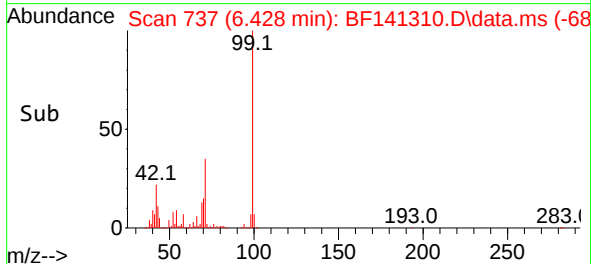
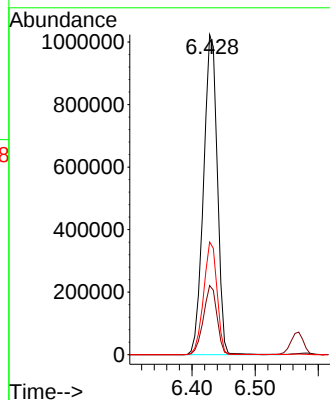
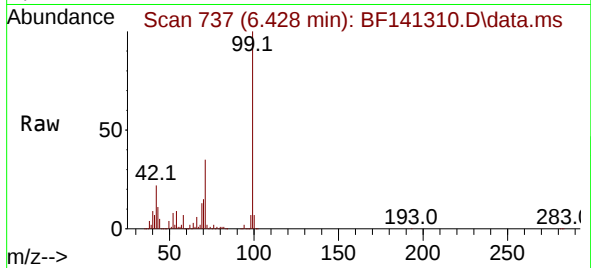
42 21.6 17.1 25.7

71 35.2 26.9 40.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#8

2-Chlorophenol

Concen: 8.722 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

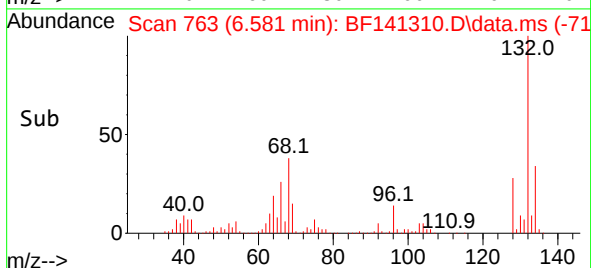
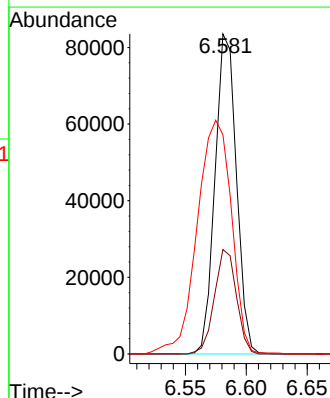
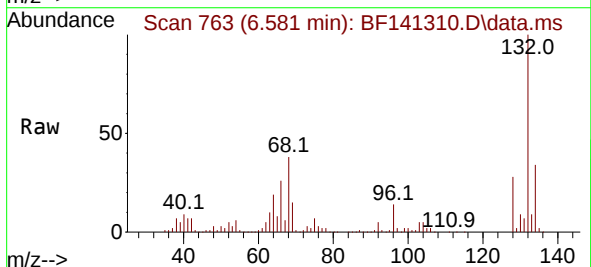
Tgt Ion:128 Resp: 102152

Ion Ratio Lower Upper

128 100

130 32.6 12.5 52.5

64 68.5 32.9 72.9





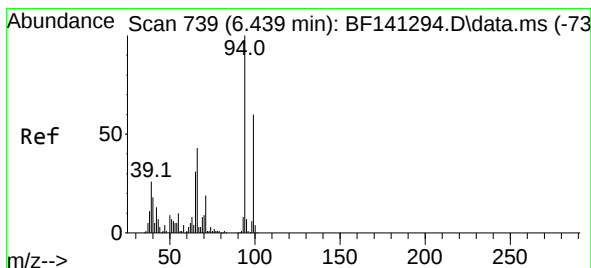
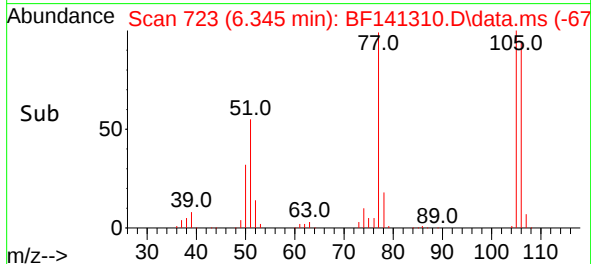
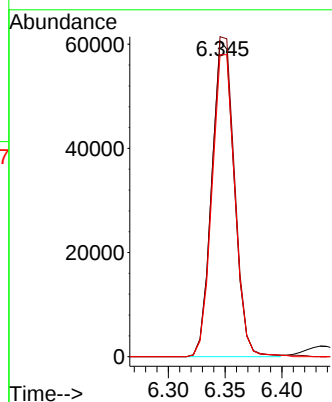
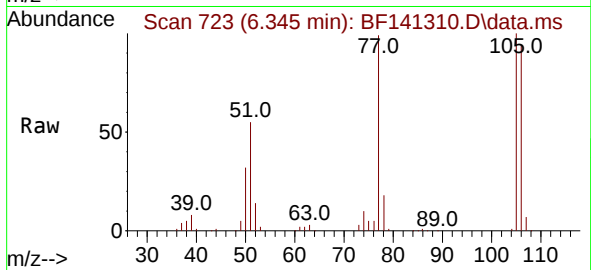
#9
Benzaldehyde
Concen: 10.382 ng
RT: 6.345 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 77 Resp: 8358
Ion Ratio Lower Upper
77 100
105 101.3 79.4 119.4
106 95.6 74.6 114.6

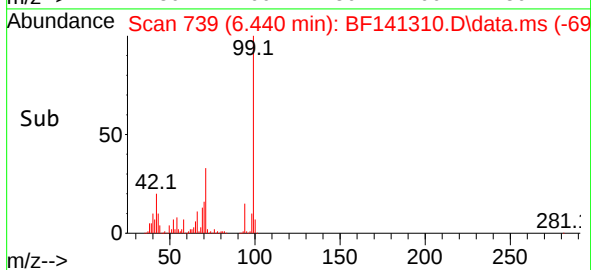
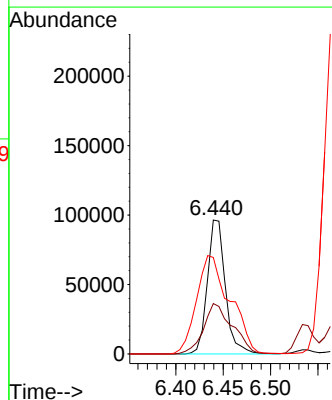
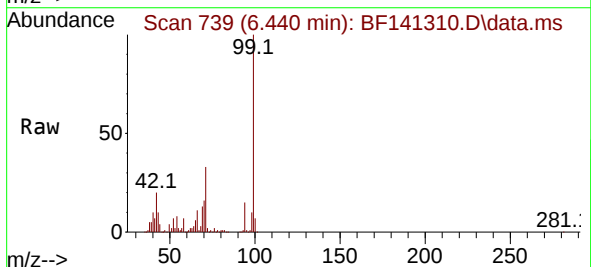
Manual Integrations
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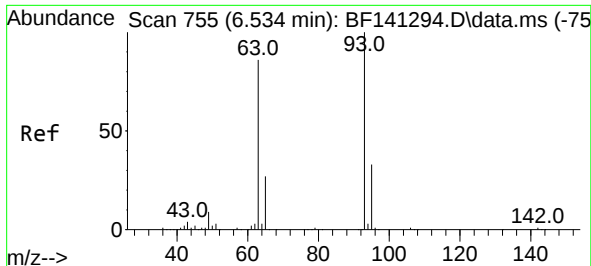
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#10
Phenol
Concen: 8.637 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

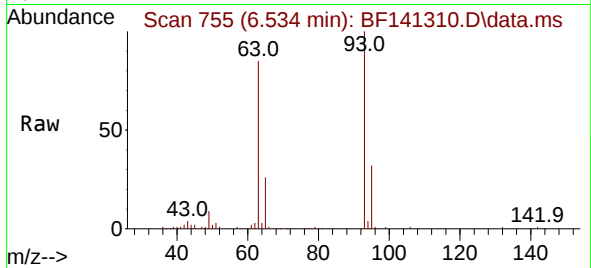
Tgt Ion: 94 Resp: 127261
Ion Ratio Lower Upper
94 100
65 37.7 10.8 50.8
66 72.0 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 8.978 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

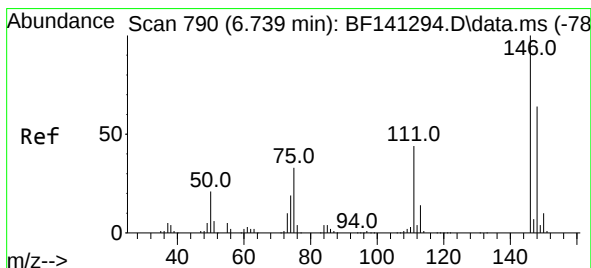
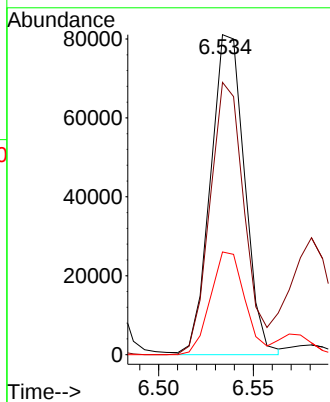
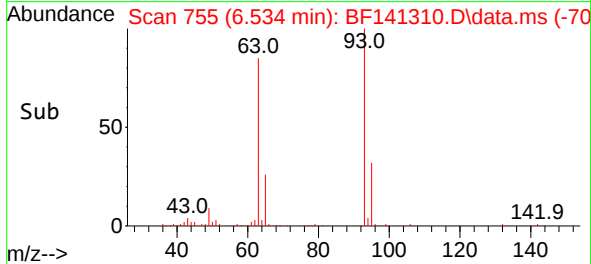
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



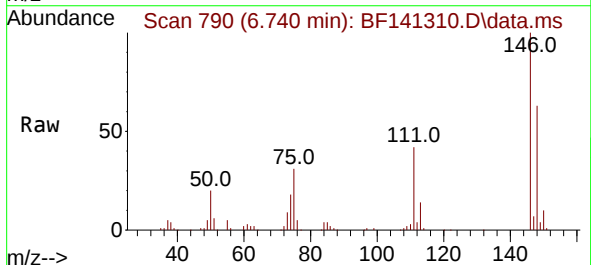
Tgt Ion: 93 Resp: 10143
Ion Ratio Lower Upper
93 100
63 85.1 65.0 105.0
95 32.1 12.4 52.4

Manual Integrations
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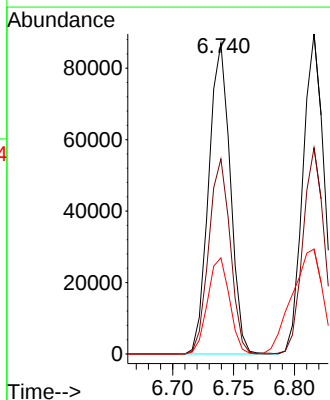
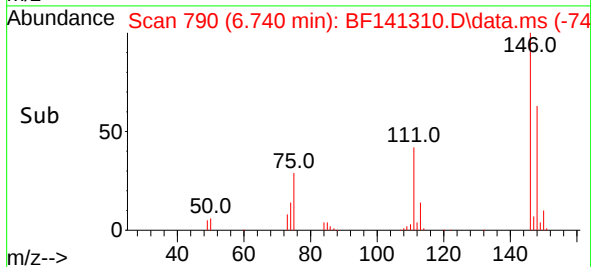
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#12
1,3-Dichlorobenzene
Concen: 8.269 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



Tgt Ion:146 Resp: 106781
Ion Ratio Lower Upper
146 100
148 62.8 51.2 76.8
75 30.9 26.2 39.4





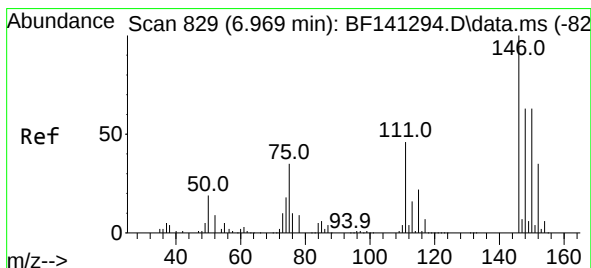
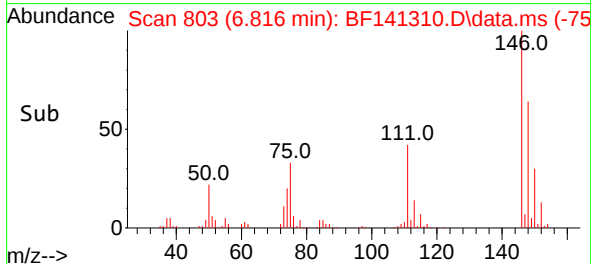
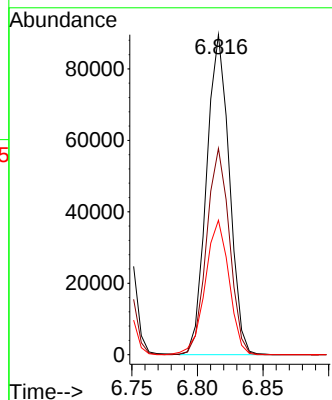
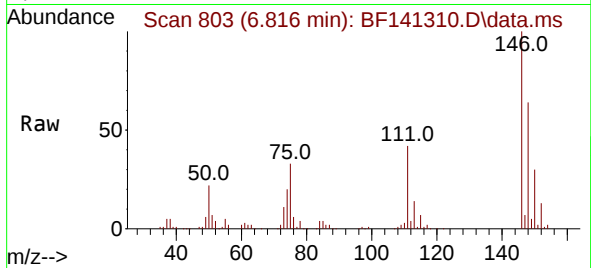
#13
1,4-Dichlorobenzene
Concen: 8.358 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:146 Resp: 10842
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
111 42.0 35.0 52.4

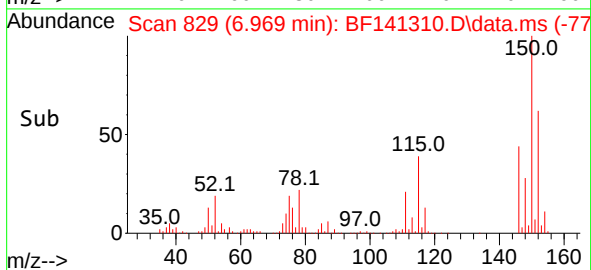
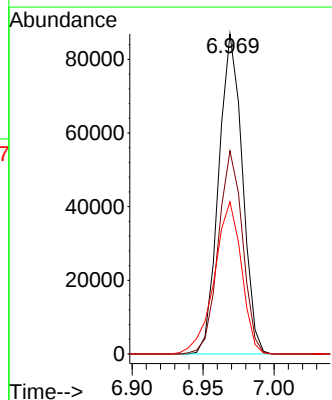
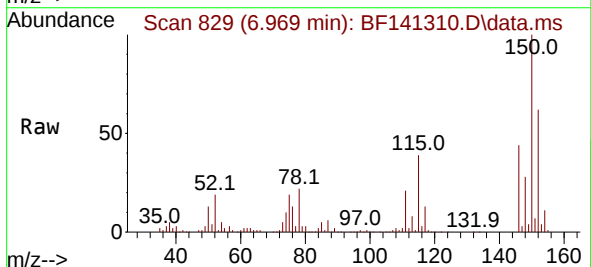
Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#14
1,2-Dichlorobenzene
Concen: 8.278 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

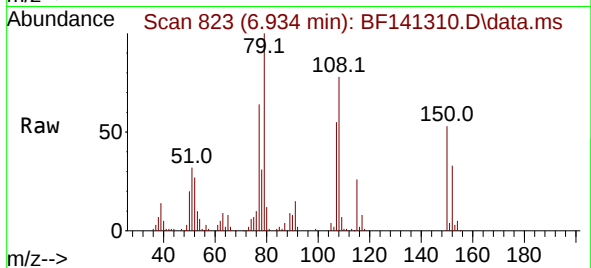
Tgt Ion:146 Resp: 100559
Ion Ratio Lower Upper
146 100
148 63.5 50.5 75.7
111 47.5 36.6 55.0





#15
Benzyl Alcohol
Concen: 10.332 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

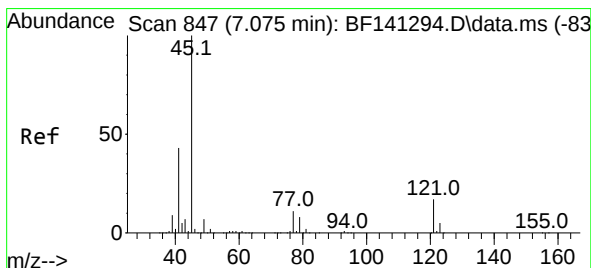
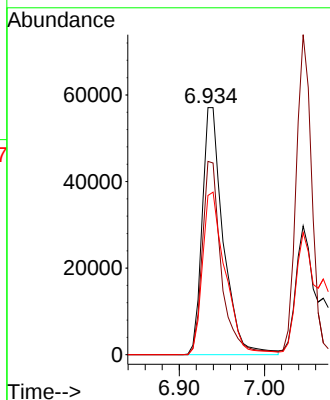
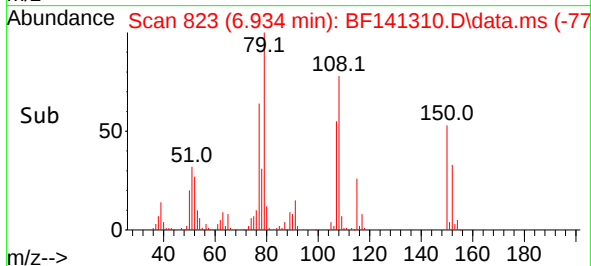
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



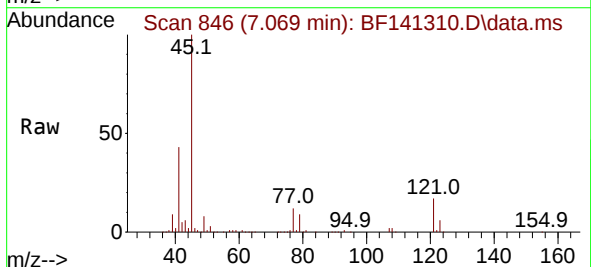
Tgt Ion: 79 Resp: 9814
Ion Ratio Lower Upper
79 100
108 78.3 61.4 92.0
77 64.4 49.9 74.9

Manual Integrations
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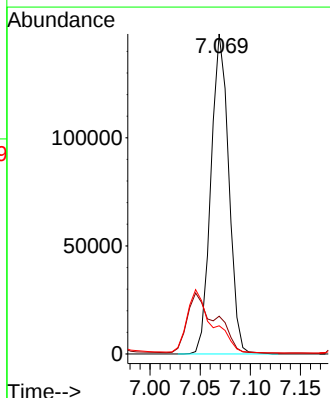
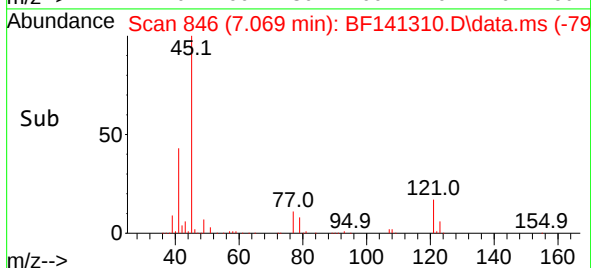
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

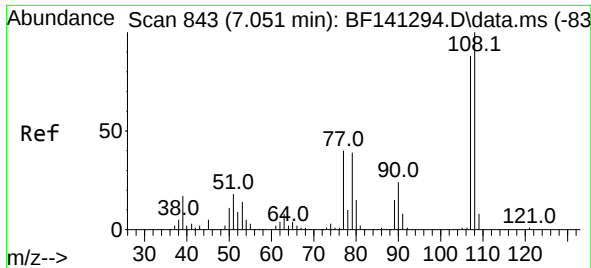


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.315 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



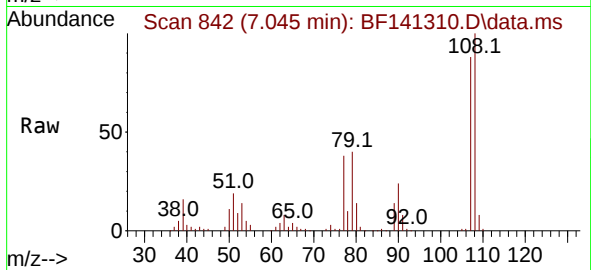
Tgt Ion: 45 Resp: 183007
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.8
79 8.8 0.0 29.1





#17
2-Methylphenol
Concen: 8.451 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

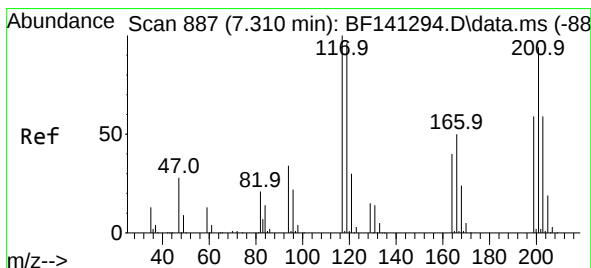
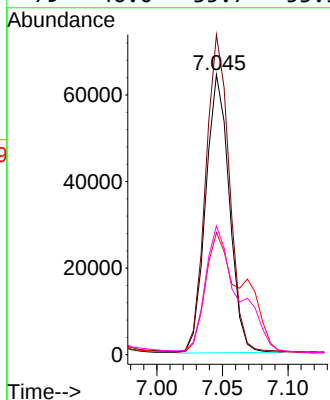
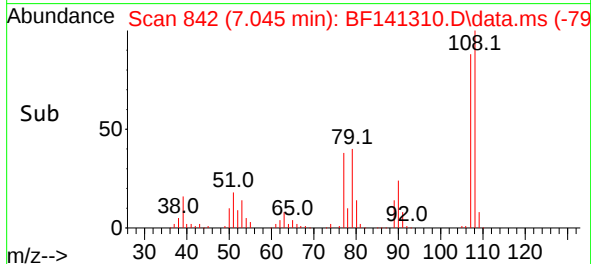
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:107 Resp: 8044
Ion Ratio Lower Upper
107 100
108 114.2 90.8 136.2
77 43.6 36.2 54.4
79 46.0 35.7 53.5

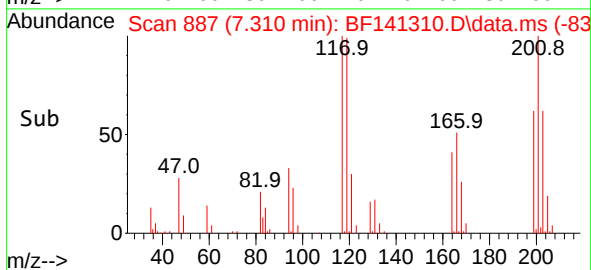
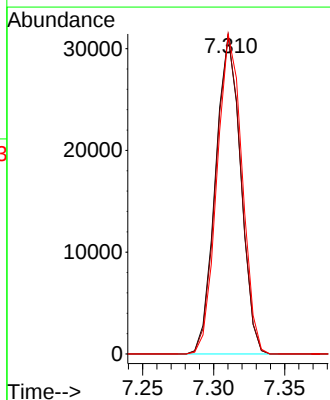
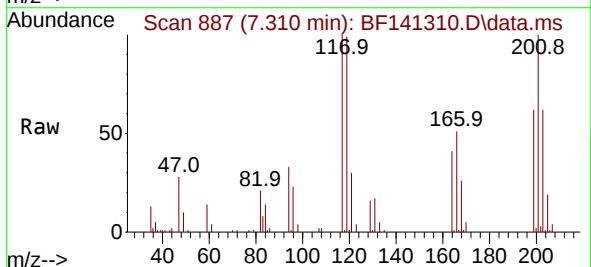
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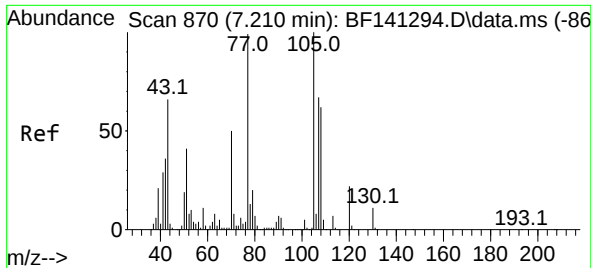
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#18
Hexachloroethane
Concen: 8.059 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Tgt Ion:117 Resp: 38566
Ion Ratio Lower Upper
117 100
119 99.8 76.6 114.8
201 100.4 74.8 112.2





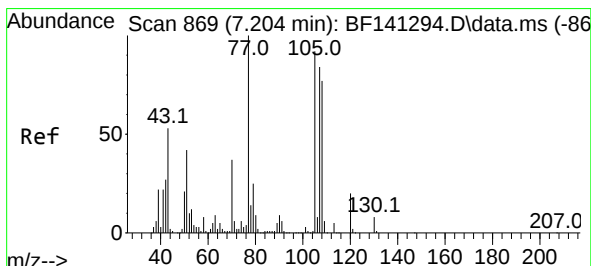
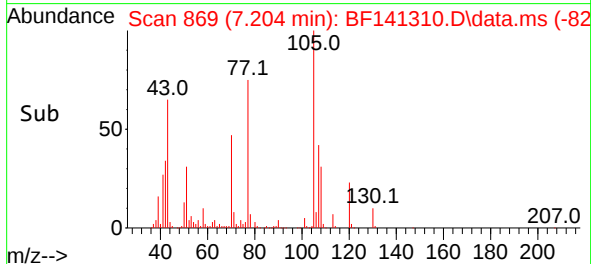
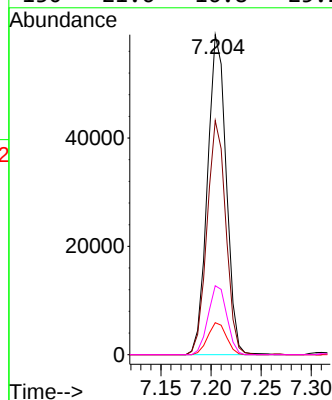
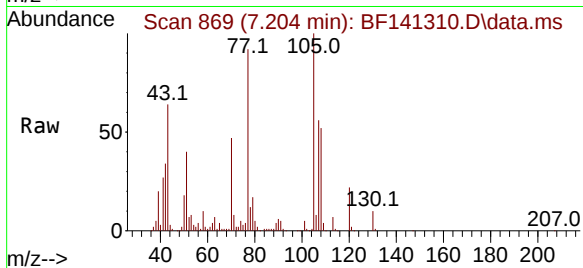
#19
n-Nitroso-di-n-propylamine
Concen: 9.320 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 70 Resp: 7698
Ion Ratio Lower Upper
70 100
42 73.2 56.8 85.2
101 10.0 7.7 11.5
130 21.6 16.8 25.2

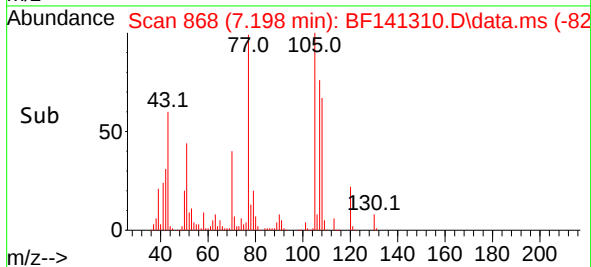
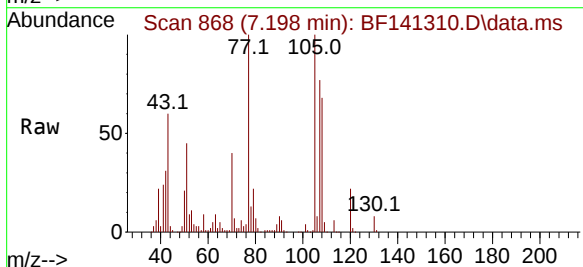
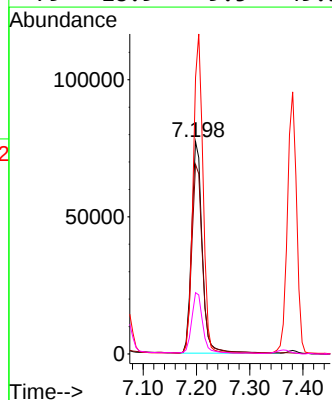
Manual Integrations
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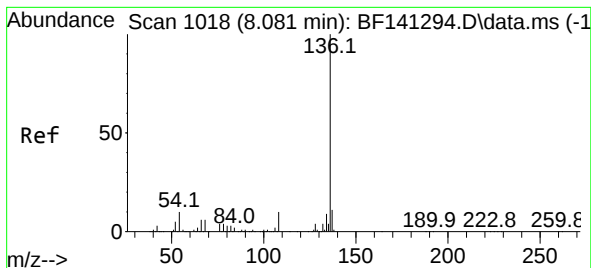
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#20
3+4-Methylphenols
Concen: 9.145 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Tgt Ion:107 Resp: 106875
Ion Ratio Lower Upper
107 100
108 89.2 70.9 110.9
77 130.3 98.5 138.5
79 28.9 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141310.D

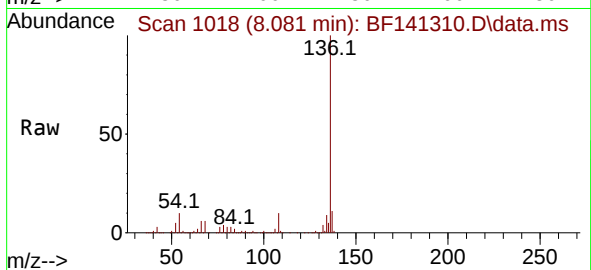
Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:136 Resp: 67399

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.8 7.8 11.8

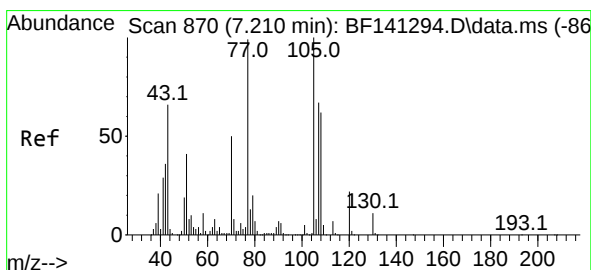
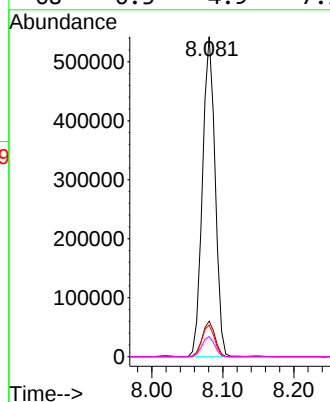
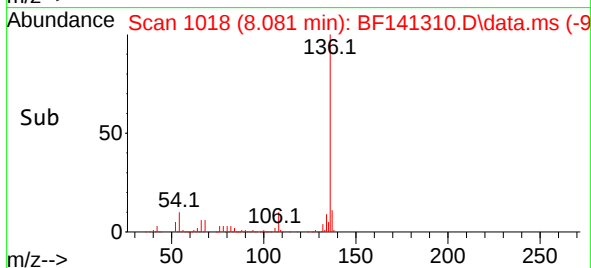
68 6.3 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025

Supervised By :mohammad ahmed 01/31/2025



#22

Acetophenone

Concen: 9.754 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Tgt Ion:105 Resp: 156269

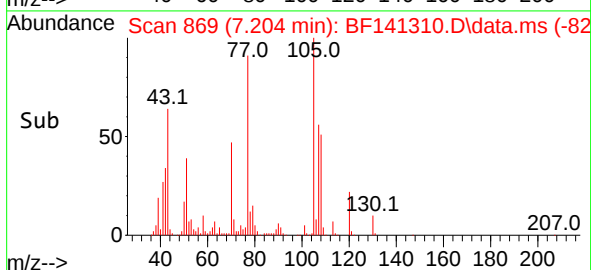
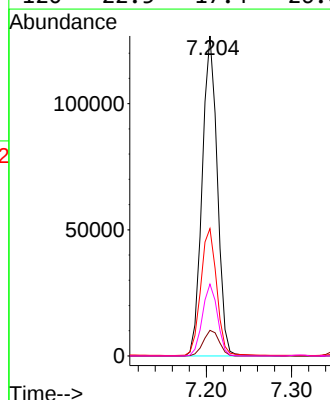
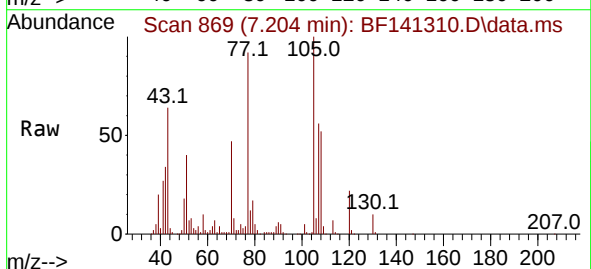
Ion Ratio Lower Upper

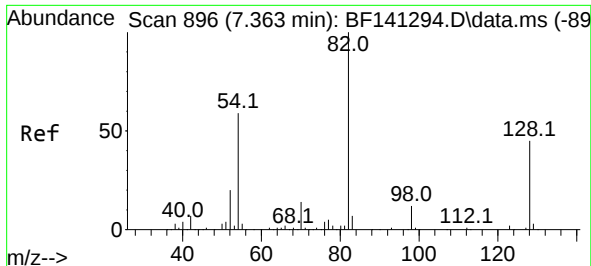
105 100

71 8.0 6.8 10.2

51 39.8 32.6 49.0

120 22.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 83.467 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 82 Resp: 106715

Ion Ratio Lower Upper

82 100

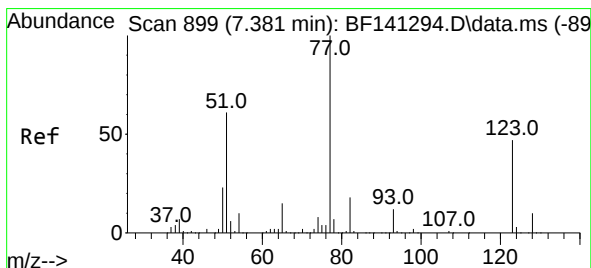
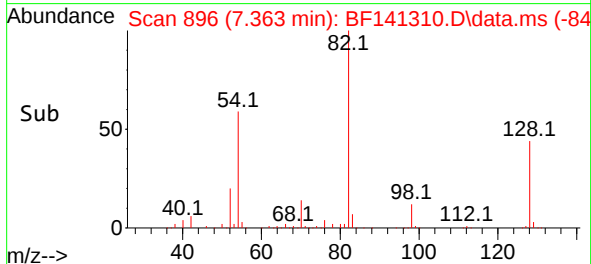
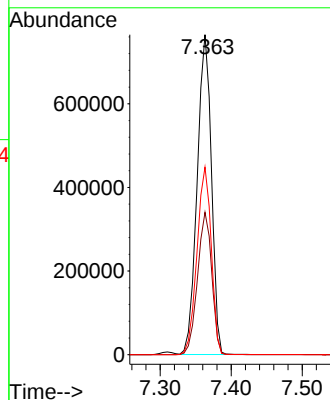
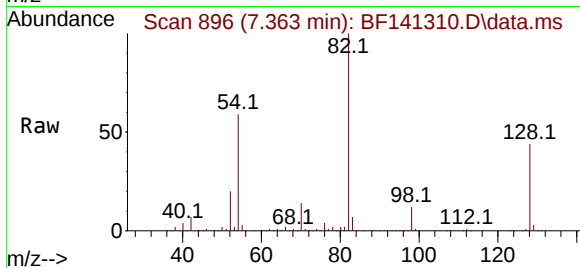
128 44.5 35.7 53.5

54 58.6 47.1 70.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#24

Nitrobenzene

Concen: 8.603 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

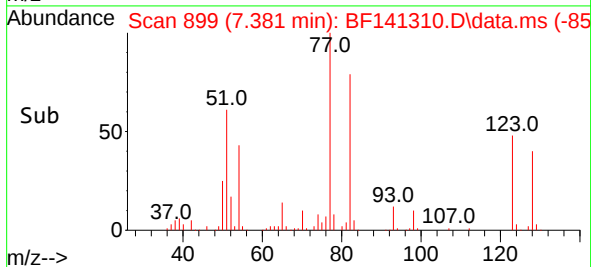
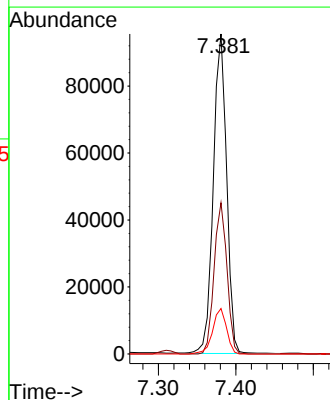
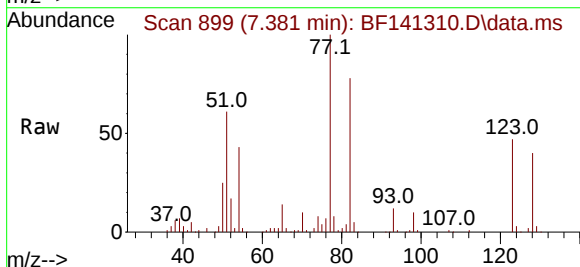
Tgt Ion: 77 Resp: 113990

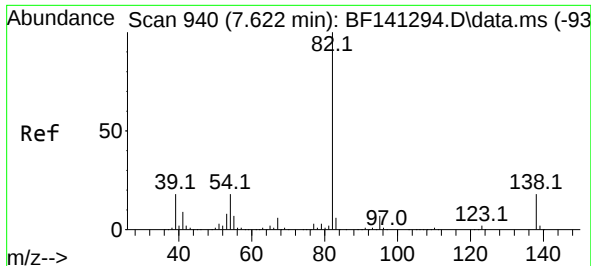
Ion Ratio Lower Upper

77 100

123 47.2 37.3 55.9

65 14.2 11.8 17.6





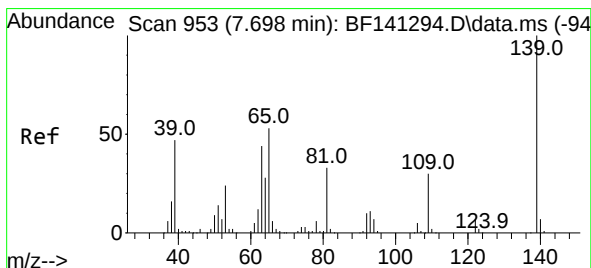
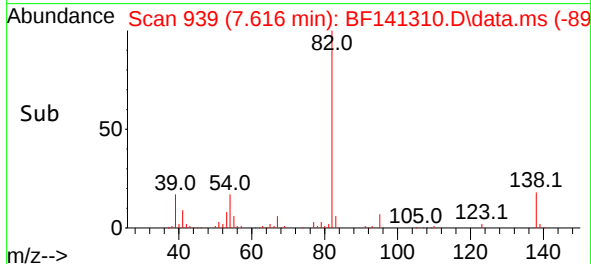
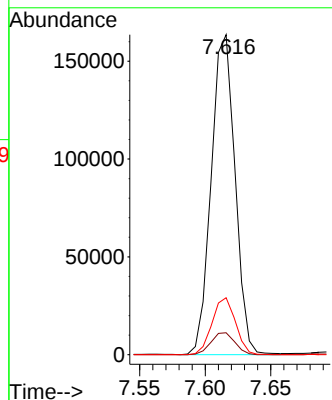
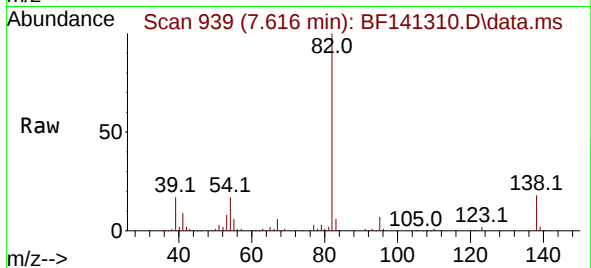
#25
Isophorone
Concen: 9.369 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 82 Resp: 20707
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.6
138 17.8 14.7 22.1

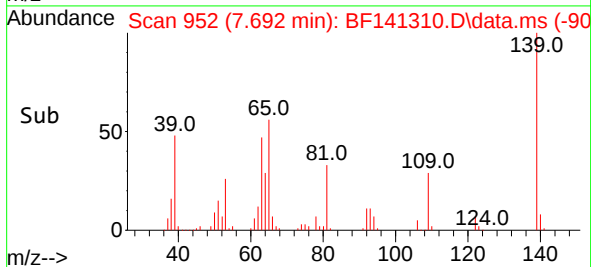
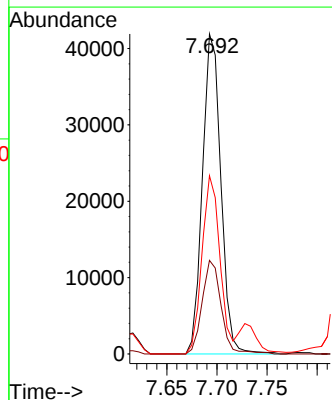
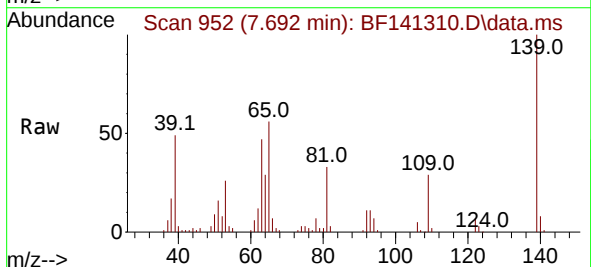
Manual Integrations
APPROVED

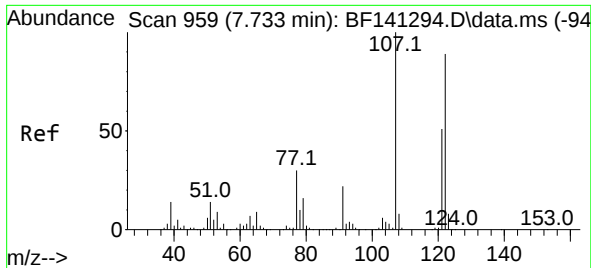
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#26
2-Nitrophenol
Concen: 8.614 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

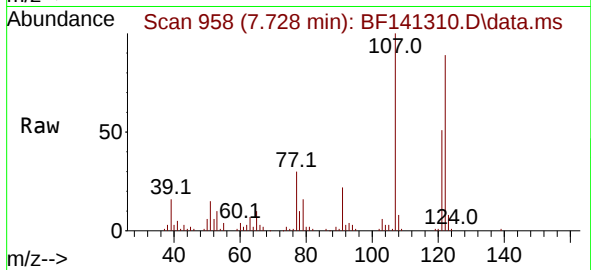
Tgt Ion:139 Resp: 53828
Ion Ratio Lower Upper
139 100
109 29.2 23.8 35.6
65 55.7 42.2 63.4





#27
2,4-Dimethylphenol
Concen: 6.376 ng m
RT: 7.728 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

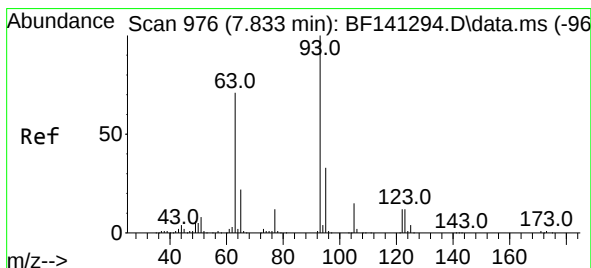
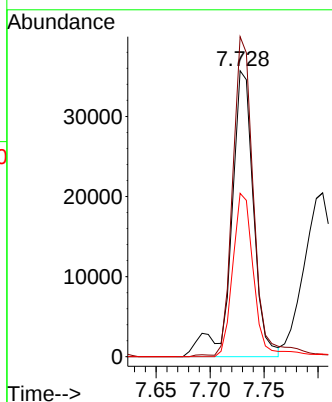
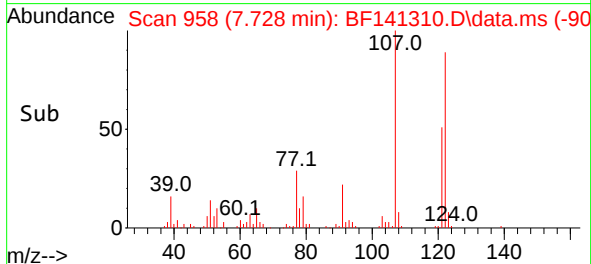
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:122 Resp: 50714
Ion Ratio Lower Upper
122 100
107 111.9 89.9 134.9
121 57.1 46.1 69.1

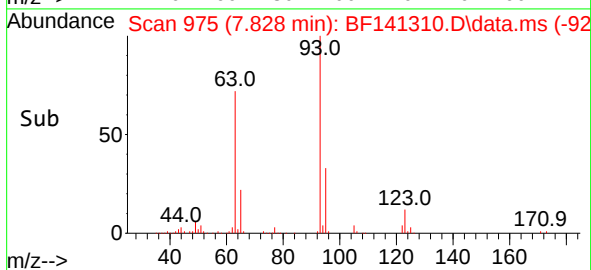
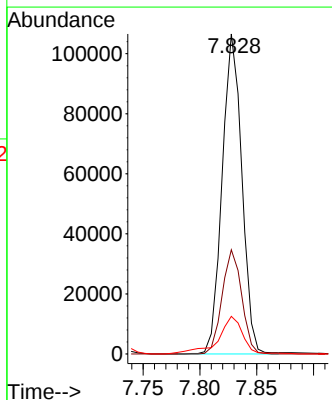
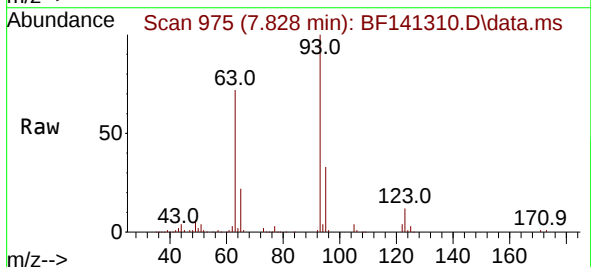
Manual Integrations
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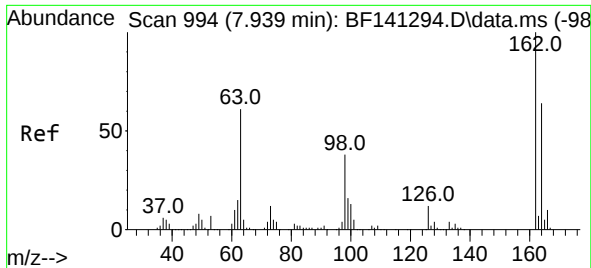
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#28
bis(2-Chloroethoxy)methane
Concen: 9.111 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Tgt Ion: 93 Resp: 128444
Ion Ratio Lower Upper
93 100
95 32.6 26.2 39.2
123 11.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 8.853 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.012 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

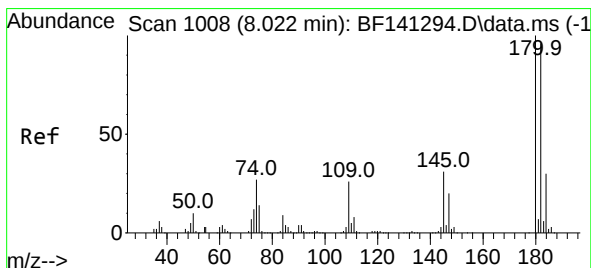
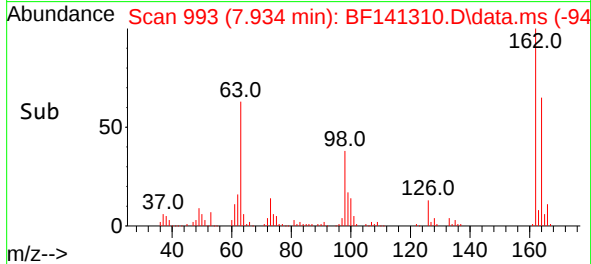
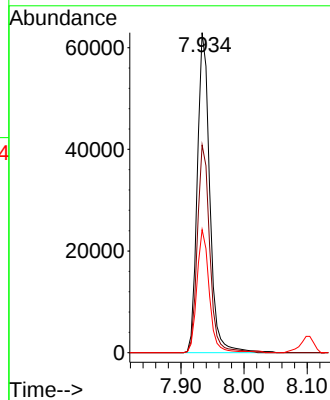
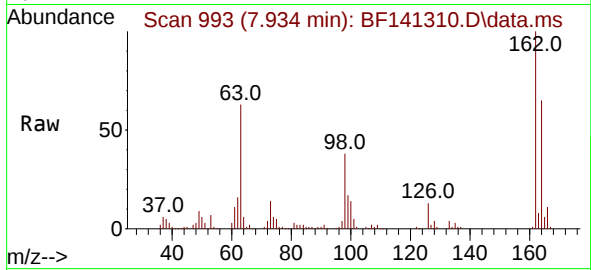
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:162	Resp:	8620
Ion Ratio	Lower	Upper
162	100	
164	64.9	44.2 84.2
98	38.4	18.2 58.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#30

1,2,4-Trichlorobenzene

Concen: 8.695 ng

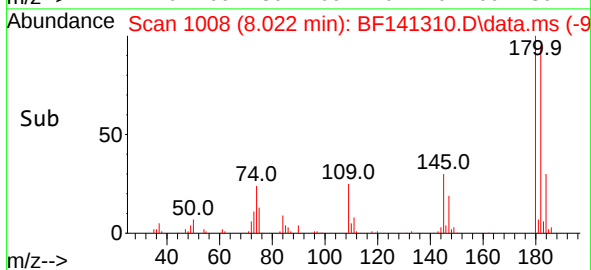
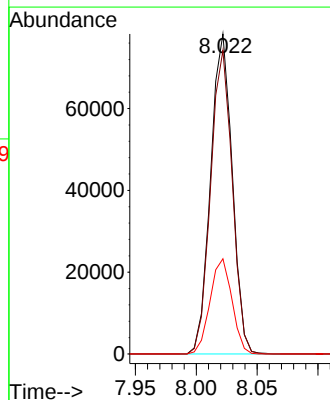
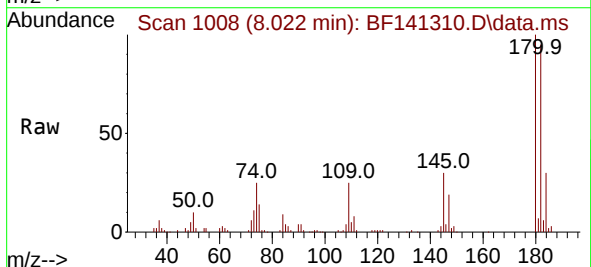
RT: 8.022 min Scan# 1008

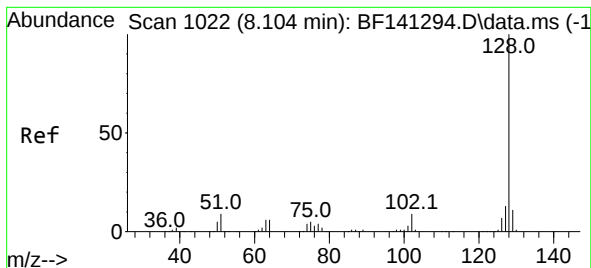
Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Tgt Ion:180	Resp:	96688
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.4 114.6
145	29.8	24.9 37.3





#31

Naphthalene

Concen: 8.984 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

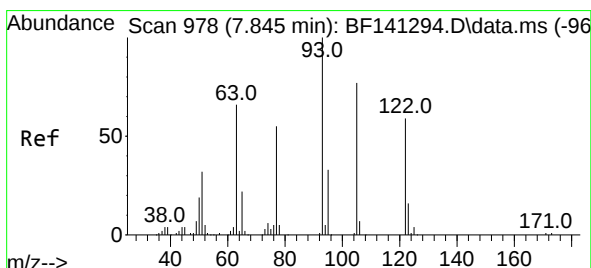
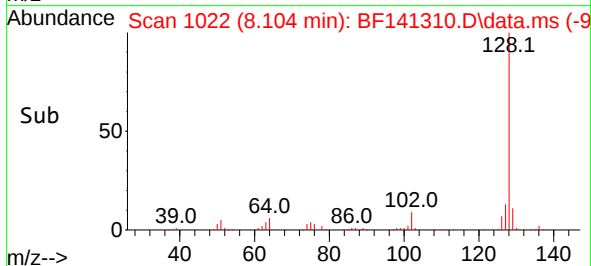
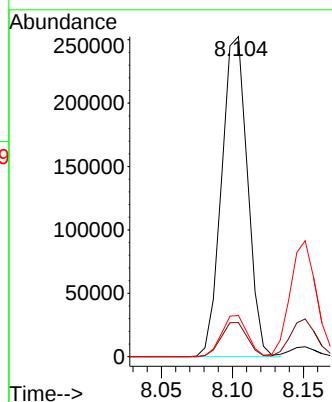
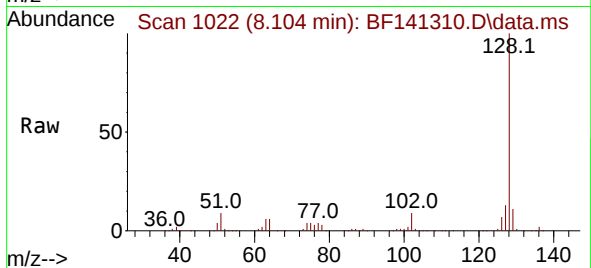
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:128 Resp: 319890
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.9 13.3
 127 12.9 10.6 15.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025



#32

Benzoic acid

Concen: 6.406 ng

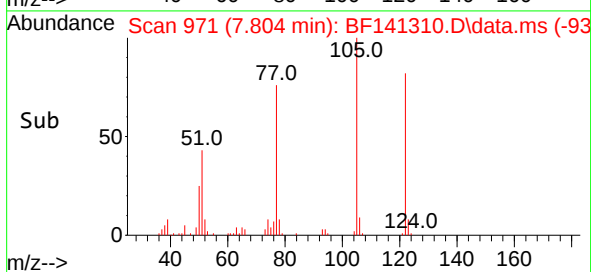
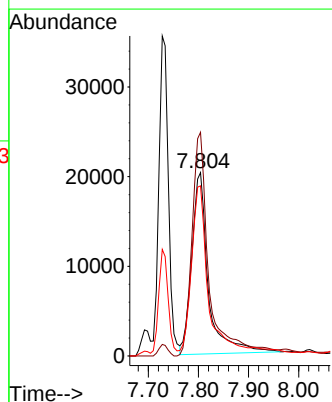
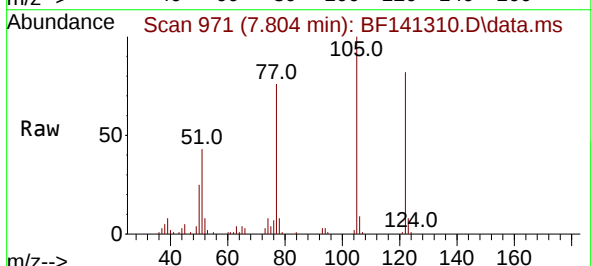
RT: 7.804 min Scan# 971

Delta R.T. -0.077 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Tgt Ion:122 Resp: 46839
 Ion Ratio Lower Upper
 122 100
 105 121.9 103.4 143.4
 77 92.7 70.9 110.9





#33

4-Chloroaniline

Concen: 9.898 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

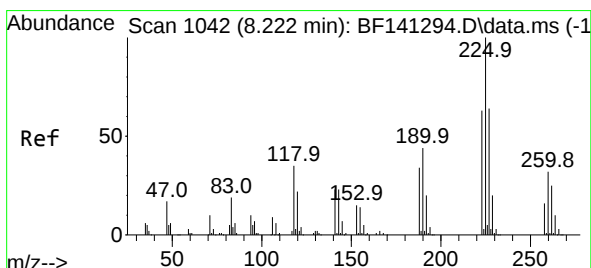
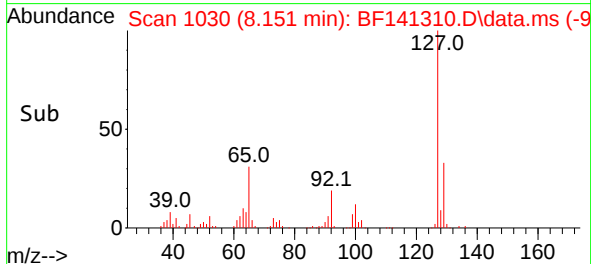
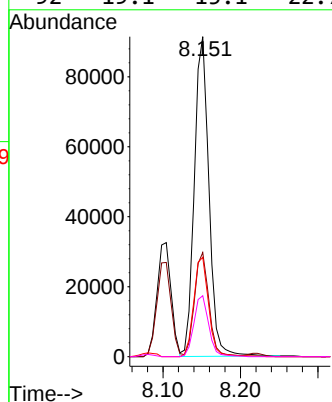
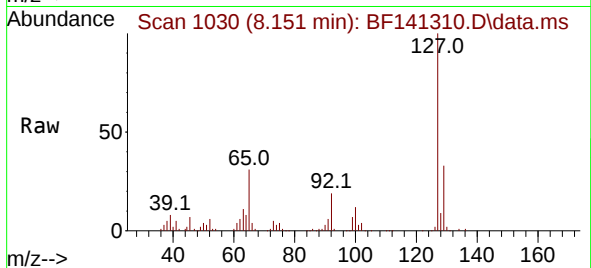
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:	127	Resp:	119508
Ion Ratio	Lower	Upper	
127	100		
129	32.6	25.7	38.5
65	31.0	26.4	39.6
92	19.1	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#34

Hexachlorobutadiene

Concen: 8.122 ng

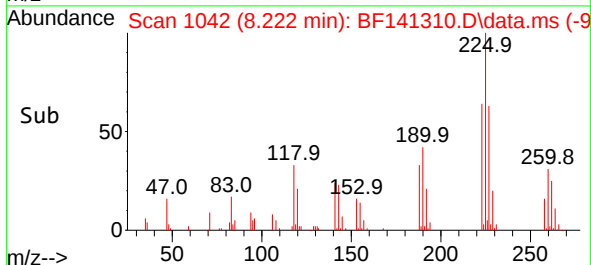
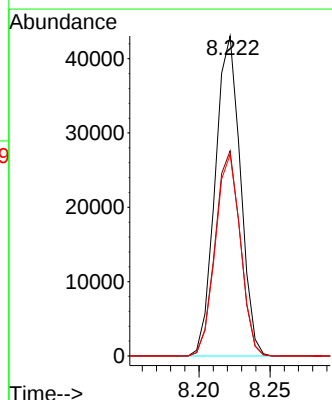
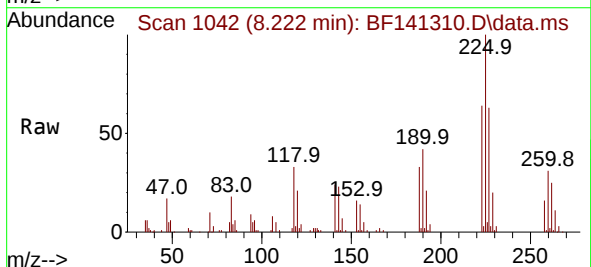
RT: 8.222 min Scan# 1042

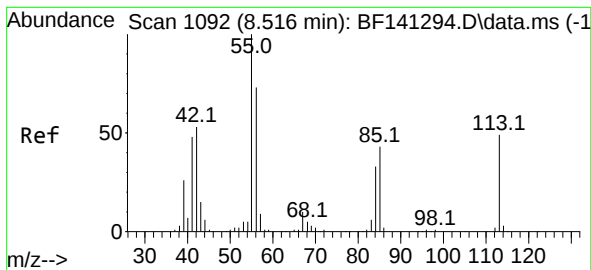
Delta R.T. -0.000 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Tgt Ion:	225	Resp:	52966
Ion Ratio	Lower	Upper	
225	100		
223	64.1	50.4	75.6
227	62.9	51.3	76.9





#35

Caprolactam

Concen: 9.065 ng

RT: 8.486 min Scan# 1092

Delta R.T. -0.059 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

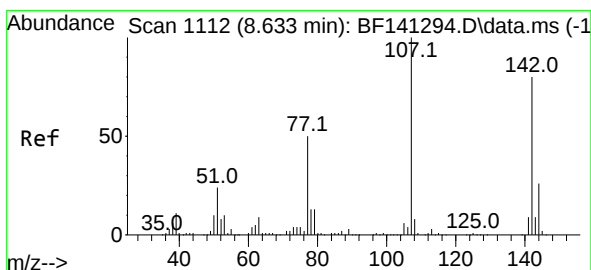
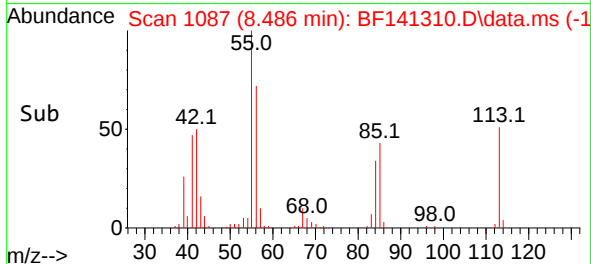
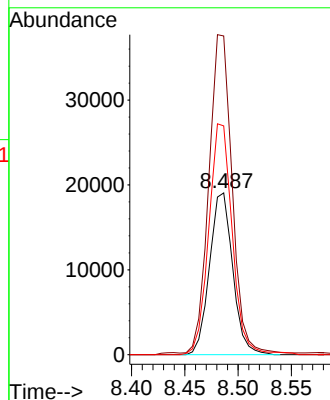
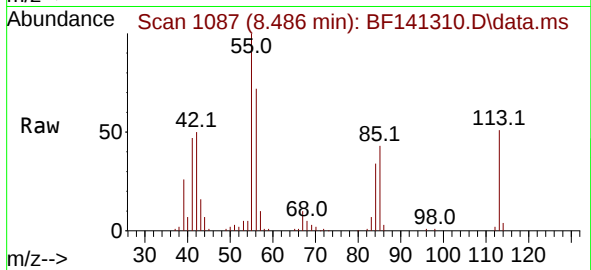
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:	113	Resp:	2882
Ion Ratio	Lower	Upper	
113	100		
55	197.0	182.9	222.9
56	141.4	127.9	167.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#36

4-Chloro-3-methylphenol

Concen: 9.263 ng

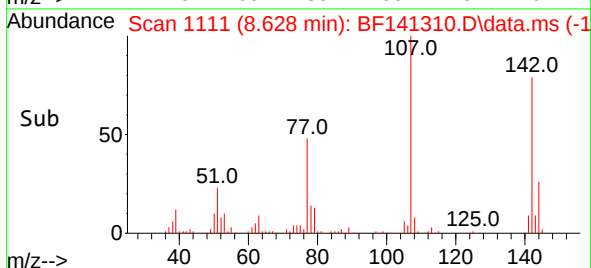
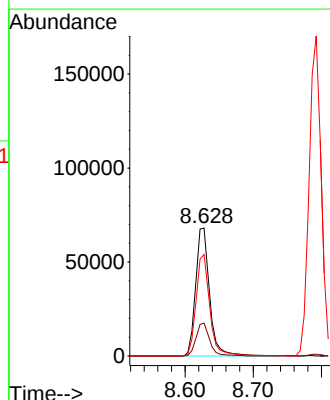
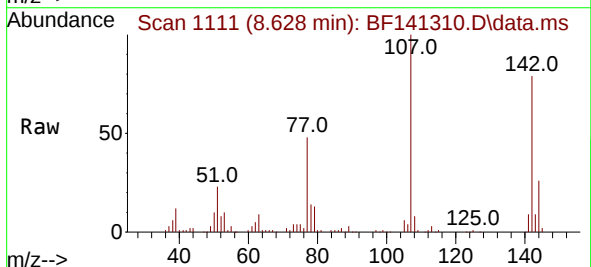
RT: 8.628 min Scan# 1111

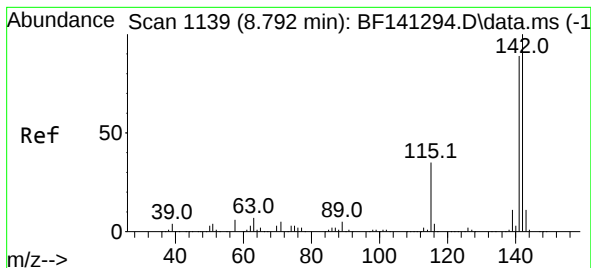
Delta R.T. -0.012 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

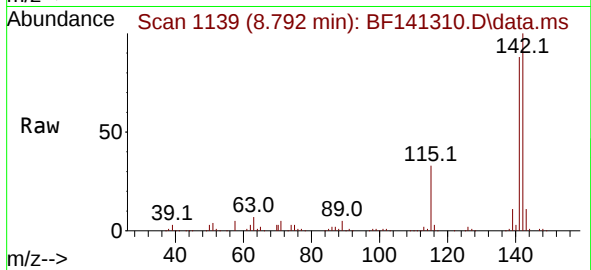
Tgt Ion:	107	Resp:	96746
Ion Ratio	Lower	Upper	
107	100		
144	25.7	20.7	31.1
142	79.3	63.8	95.8





#37
2-Methylnaphthalene
Concen: 9.281 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

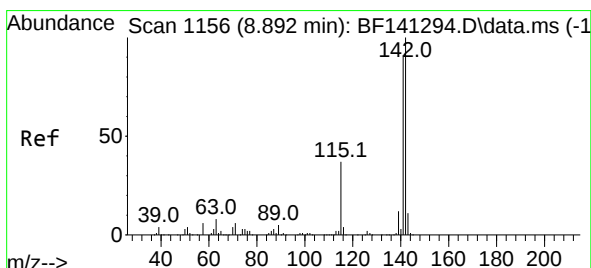
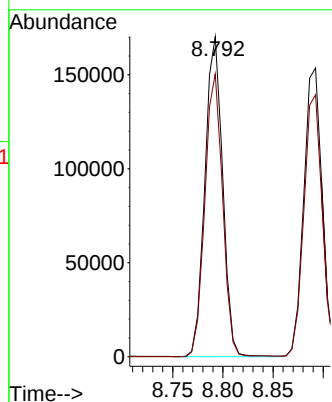
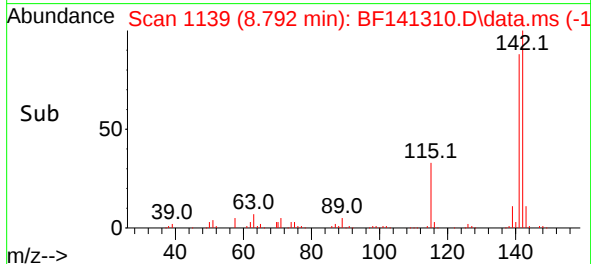
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:142 Resp: 210020
Ion Ratio Lower Upper
142 100
141 88.4 71.3 106.9

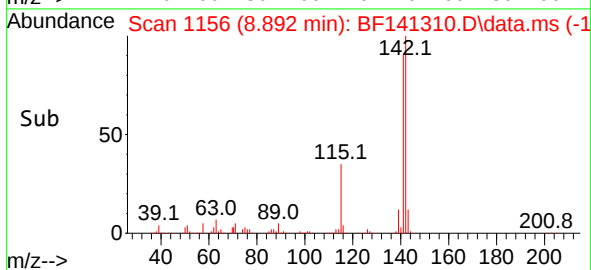
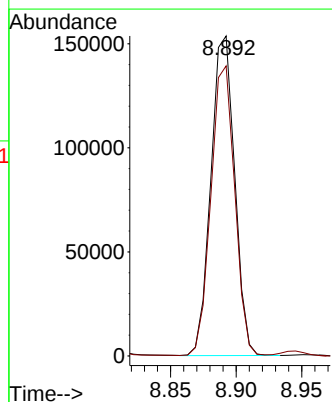
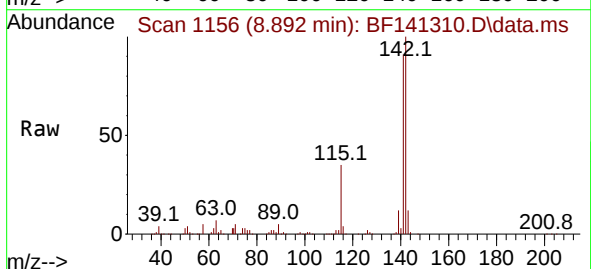
Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#38
1-Methylnaphthalene
Concen: 8.712 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

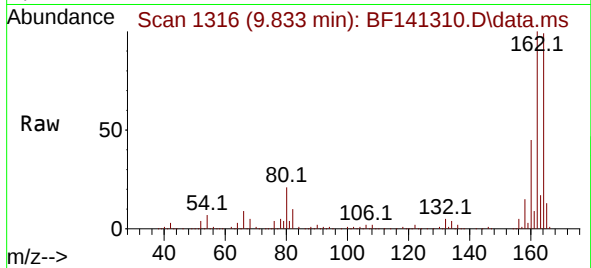
Tgt Ion:142 Resp: 193672
Ion Ratio Lower Upper
142 100
141 90.7 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

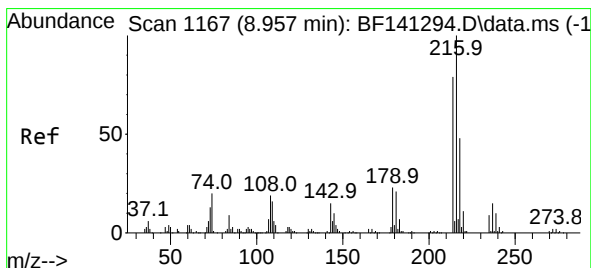
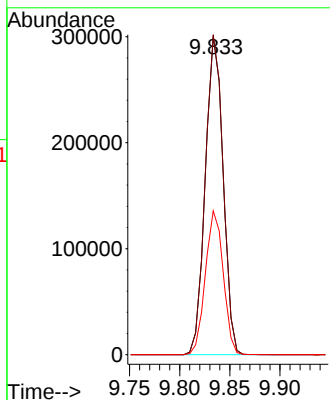
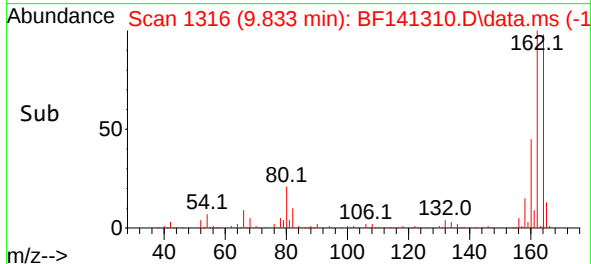
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:164 Resp: 371354
Ion Ratio Lower Upper
164 100
162 100.6 80.6 121.0
160 45.2 35.8 53.6

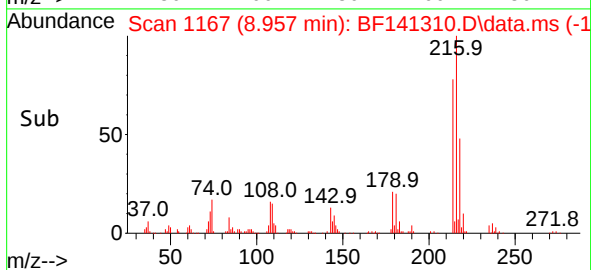
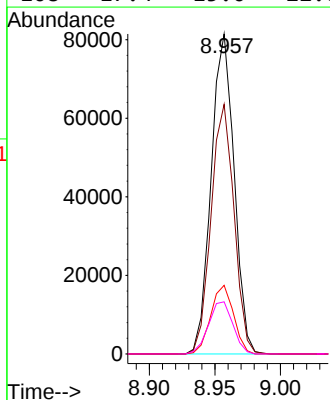
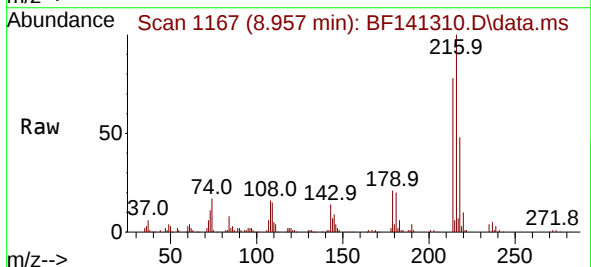
Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.372 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

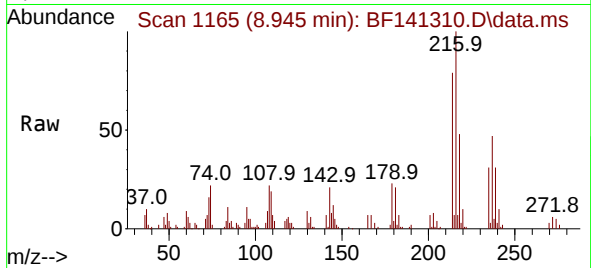
Tgt Ion:216 Resp: 99014
Ion Ratio Lower Upper
216 100
214 77.9 63.2 94.8
179 21.4 17.8 26.8
108 17.4 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 6.218 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

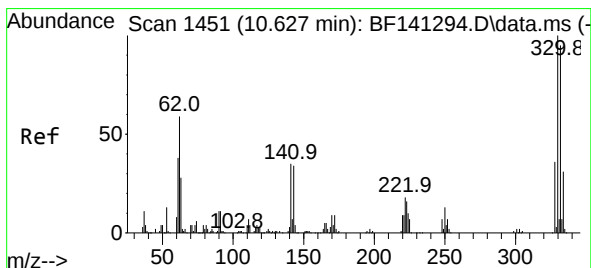
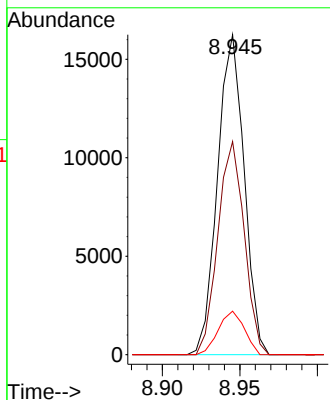
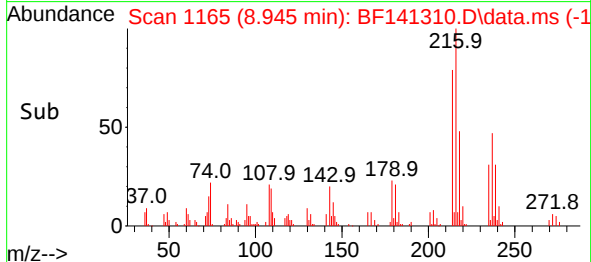
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



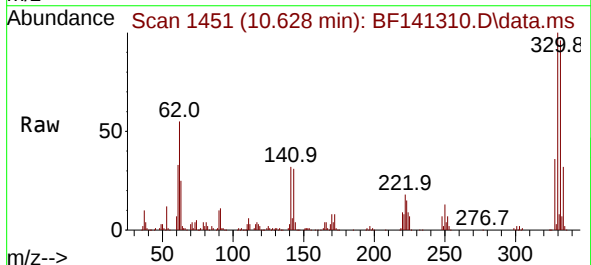
Tgt Ion:237 Resp: 1939
Ion Ratio Lower Upper
237 100
235 66.6 42.9 82.9
272 13.6 0.0 32.8

Manual Integrations
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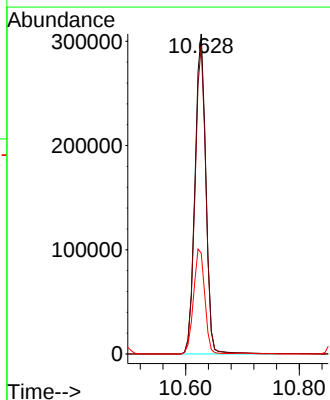
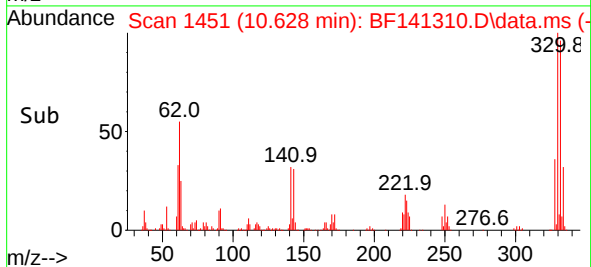
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#42
2,4,6-Tribromophenol
Concen: 120.449 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



Tgt Ion:330 Resp: 410064
Ion Ratio Lower Upper
330 100
332 96.2 76.1 114.1
141 33.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 8.610 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

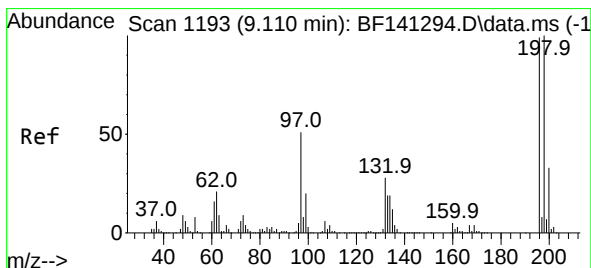
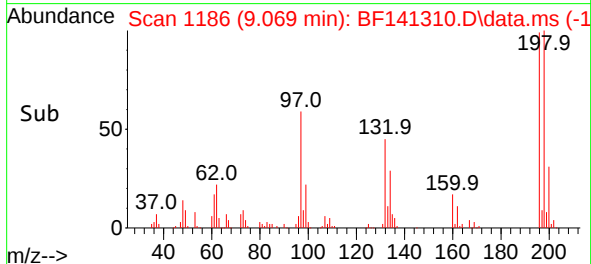
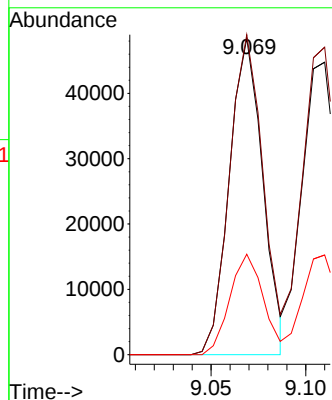
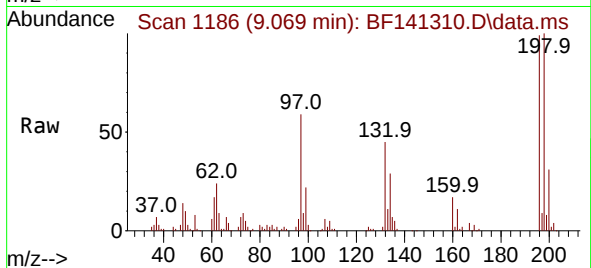
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:196	Resp:	5953
Ion Ratio	Lower	Upper
196	100	
198	101.2	81.8 122.6
200	31.8	26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#44

2,4,5-Trichlorophenol

Concen: 8.361 ng

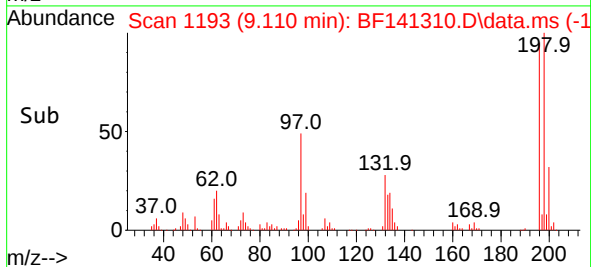
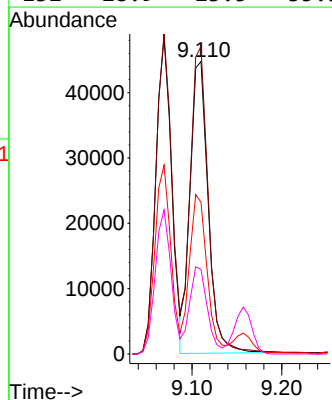
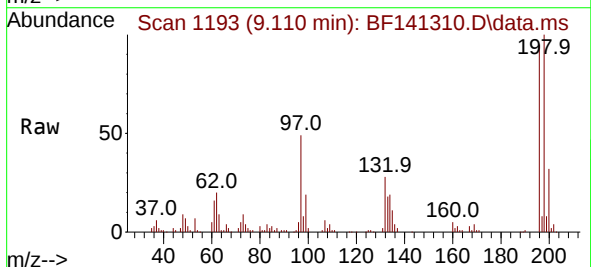
RT: 9.110 min Scan# 1193

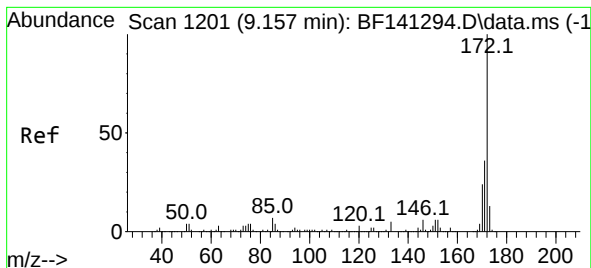
Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Tgt Ion:196	Resp:	62928
Ion Ratio	Lower	Upper
196	100	
198	105.1	80.5 120.7
97	51.8	42.8 64.2
132	28.9	23.5 35.3





#45

2-Fluorobiphenyl

Concen: 77.252 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:172 Resp: 186382

Ion Ratio Lower Upper

172 100

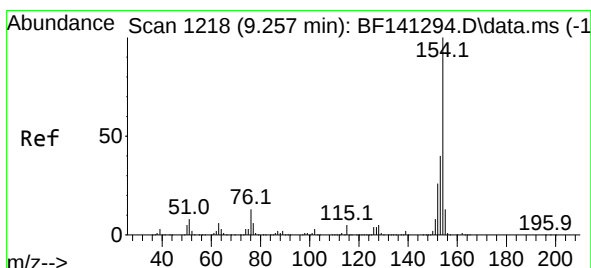
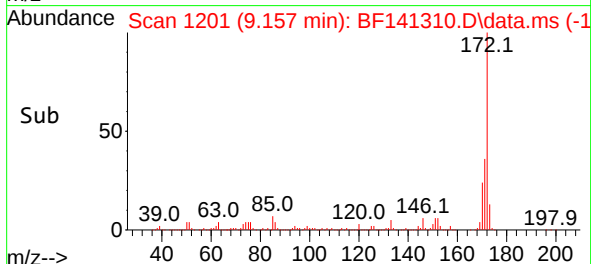
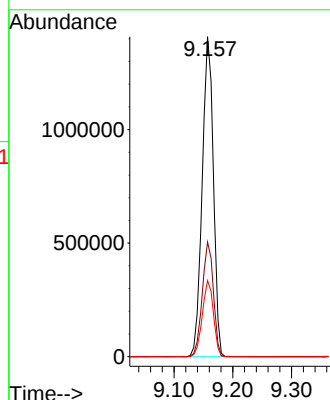
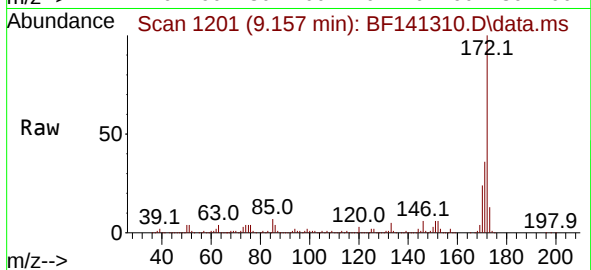
171 35.8 28.8 43.2

170 23.8 19.0 28.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#46

1,1'-Biphenyl

Concen: 9.597 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

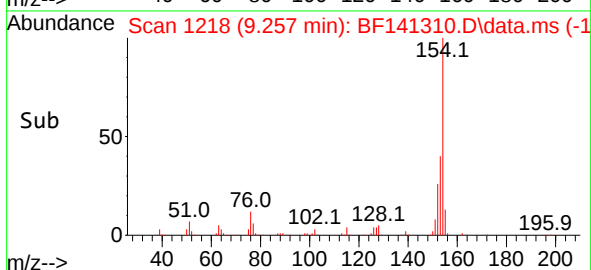
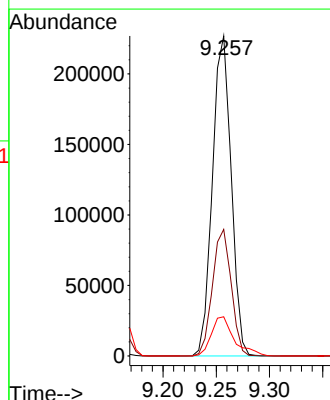
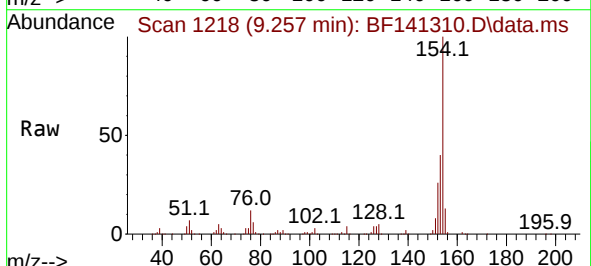
Tgt Ion:154 Resp: 277952

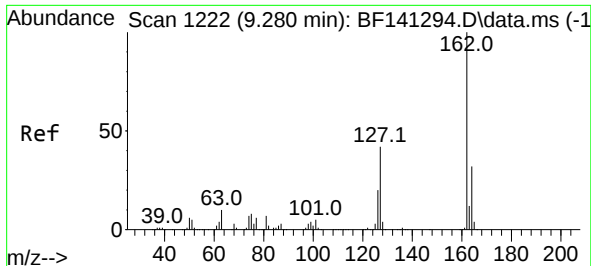
Ion Ratio Lower Upper

154 100

153 39.6 20.0 60.0

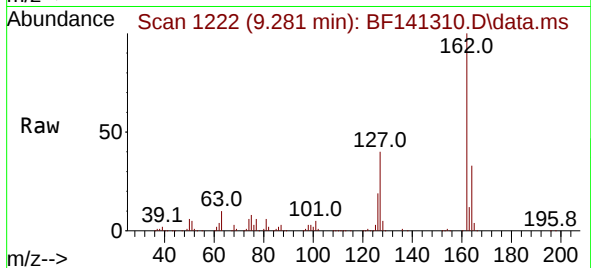
76 12.2 0.0 32.8





#47
2-Chloronaphthalene
Concen: 8.839 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

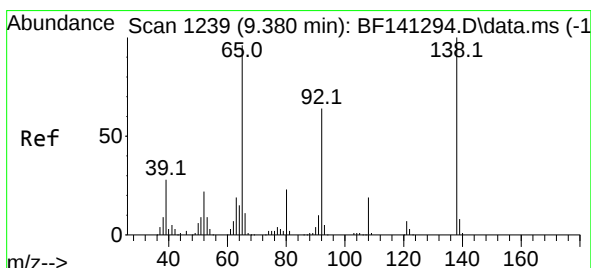
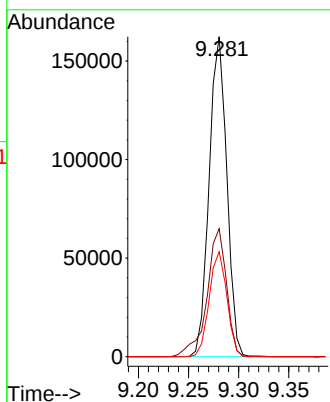
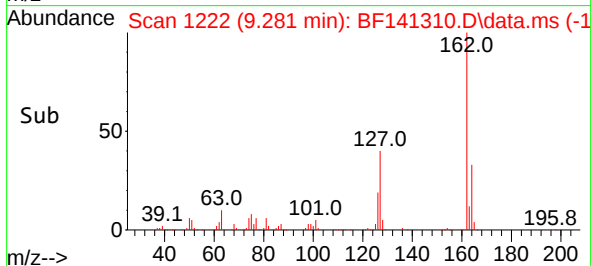
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:162 Resp: 199524
Ion Ratio Lower Upper
162 100
127 40.0 33.7 50.5
164 32.8 25.9 38.9

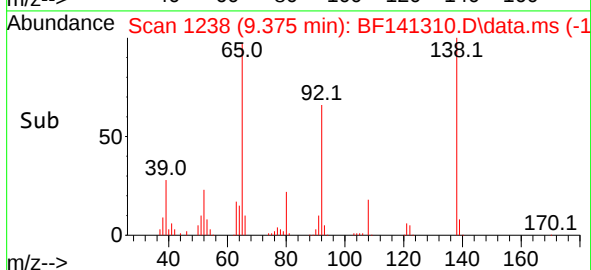
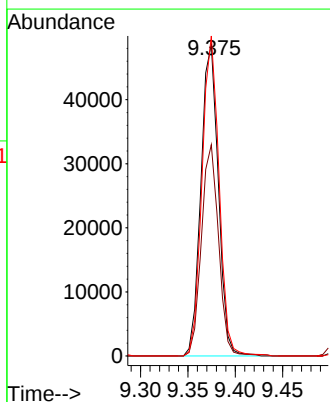
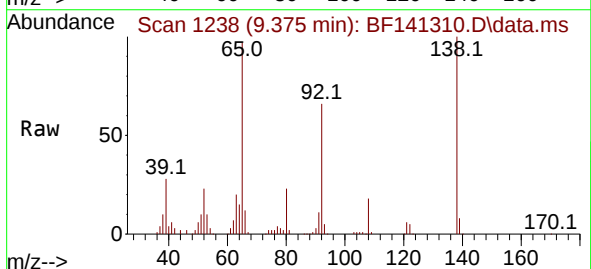
Manual Integrations
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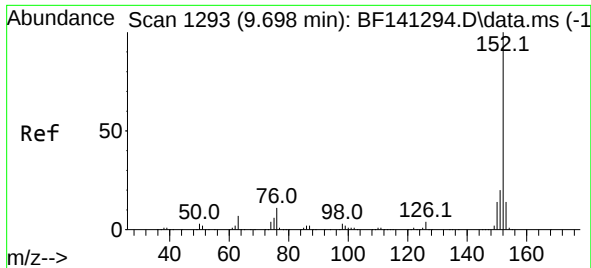
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#48
2-Nitroaniline
Concen: 8.735 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

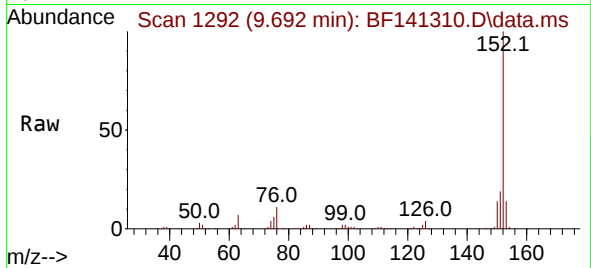
Tgt Ion: 65 Resp: 62018
Ion Ratio Lower Upper
65 100
92 67.8 53.3 79.9
138 102.7 83.6 125.4





#49
Acenaphthylene
Concen: 9.993 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

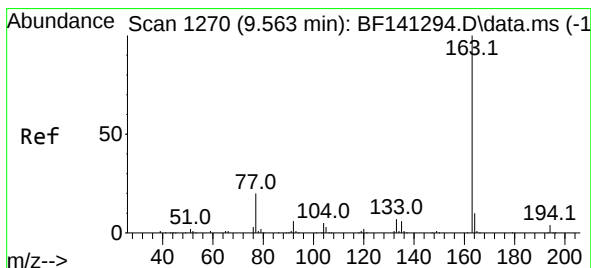
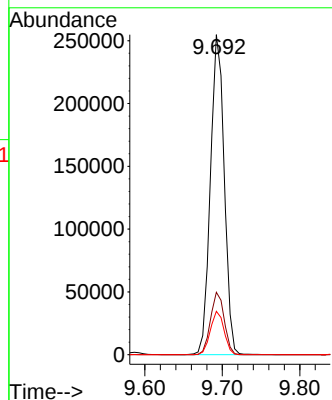
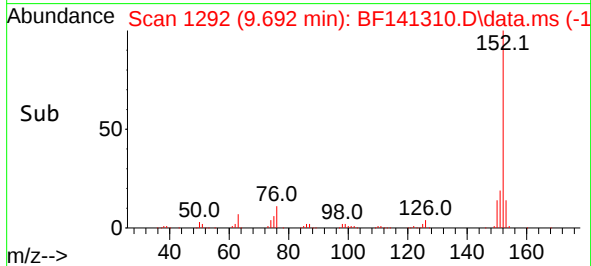
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



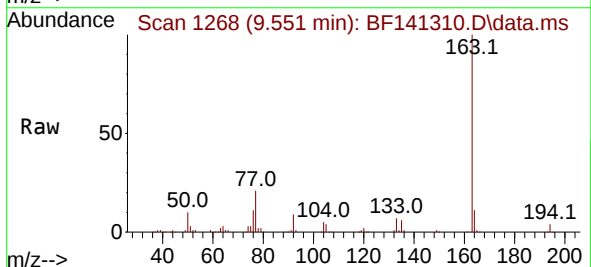
Tgt Ion:152 Resp: 315758
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 13.6 11.0 16.6

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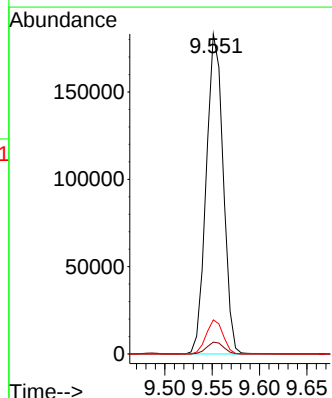
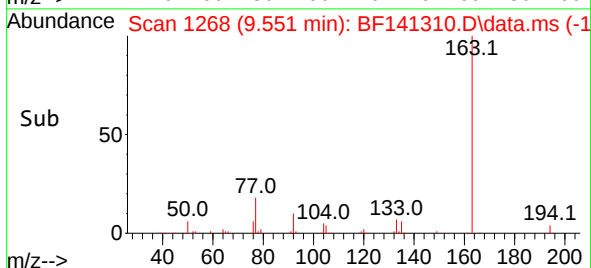
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

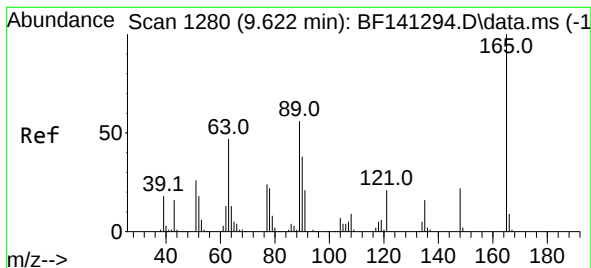


#50
Dimethylphthalate
Concen: 9.081 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



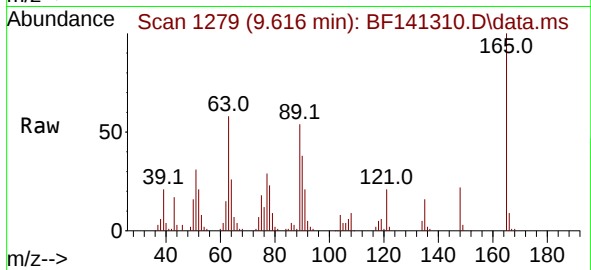
Tgt Ion:163 Resp: 227751
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.6 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 8.436 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

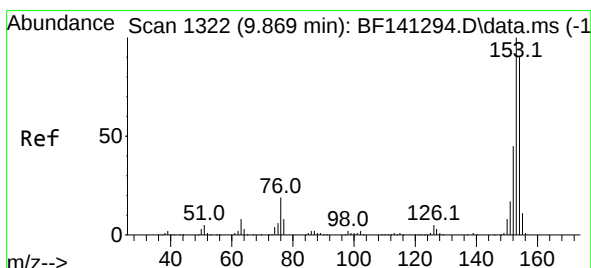
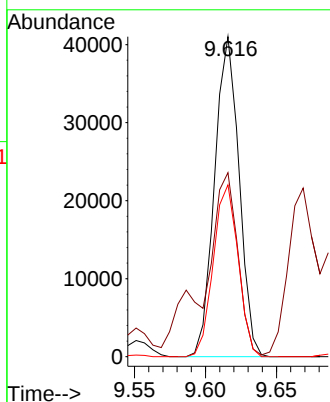
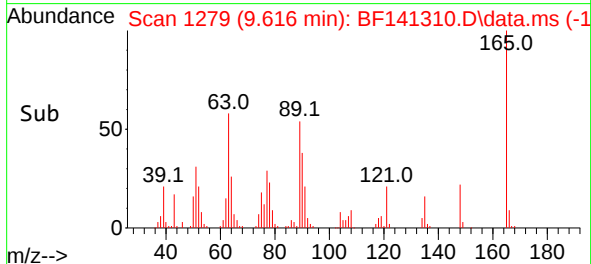
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



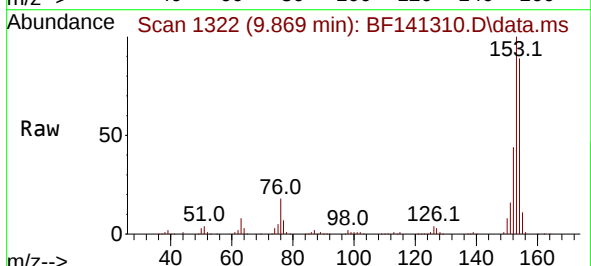
Tgt Ion:165 Resp: 49125
Ion Ratio Lower Upper
165 100
63 57.5 48.1 72.1
89 53.7 44.9 67.3

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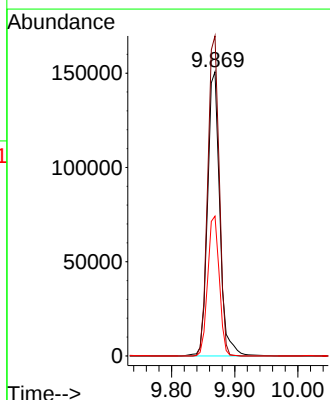
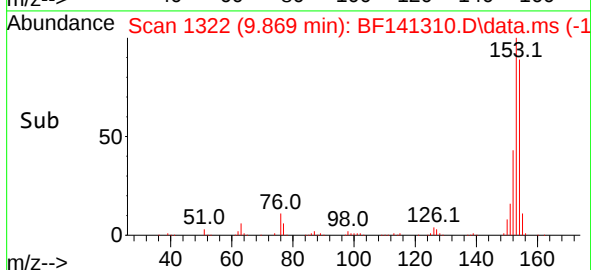
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

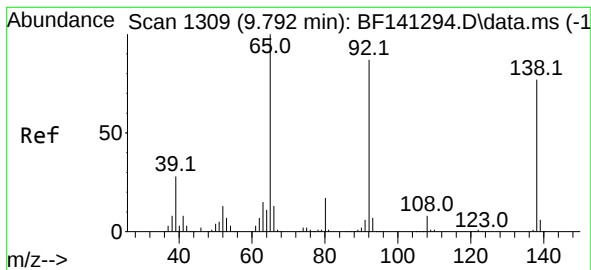


#52
Acenaphthene
Concen: 8.964 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



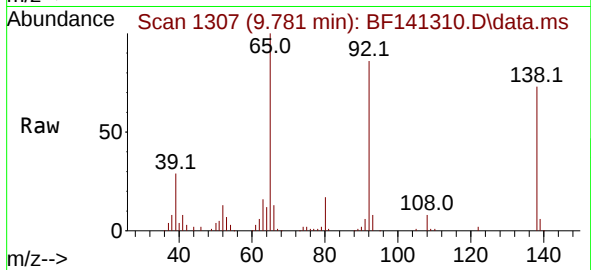
Tgt Ion:154 Resp: 202358
Ion Ratio Lower Upper
154 100
153 112.6 89.0 133.4
152 49.2 40.2 60.4





#53
3-Nitroaniline
Concen: 8.969 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

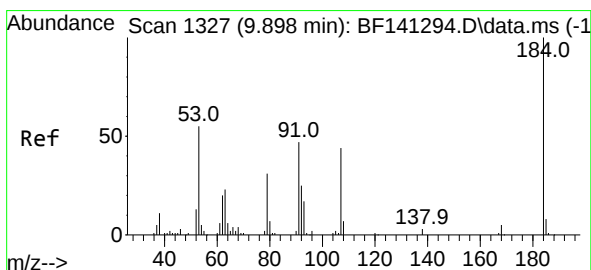
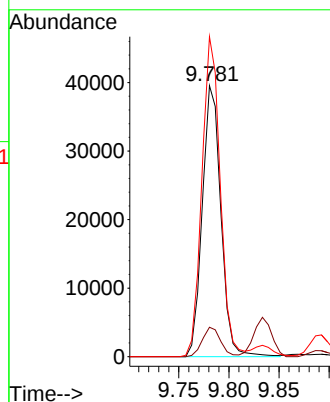
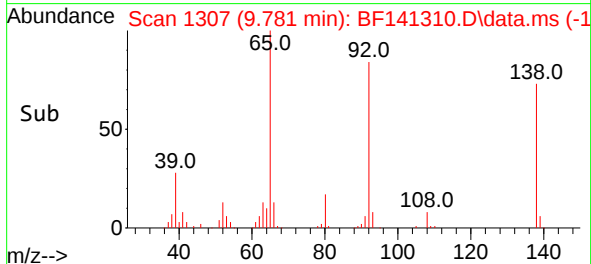
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:138 Resp: 5119
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 118.1 91.0 136.6

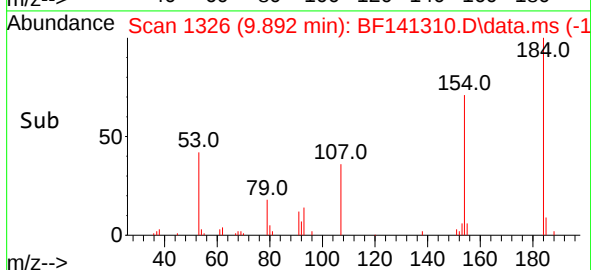
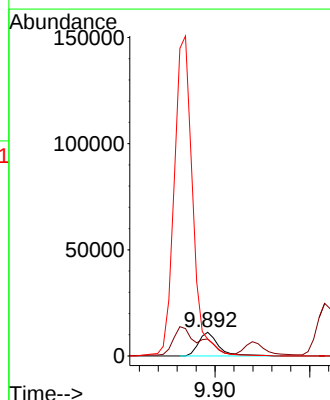
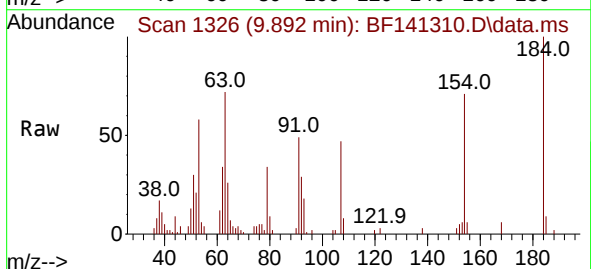
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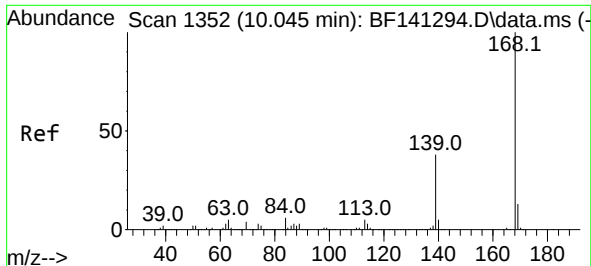
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#54
2,4-Dinitrophenol
Concen: 6.022 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

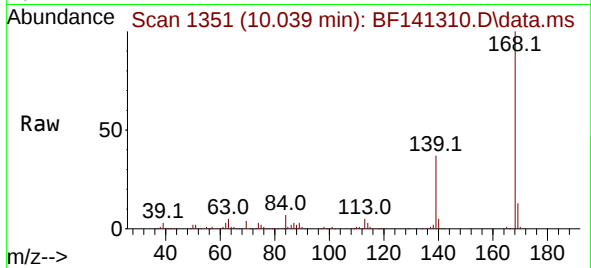
Tgt Ion:184 Resp: 16302
Ion Ratio Lower Upper
184 100
63 72.0 54.1 81.1
154 70.7 50.7 76.1





#55
Dibenzenofuran
Concen: 9.439 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

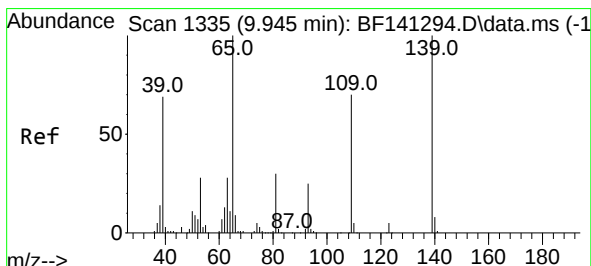
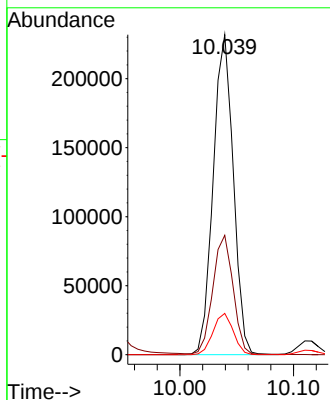
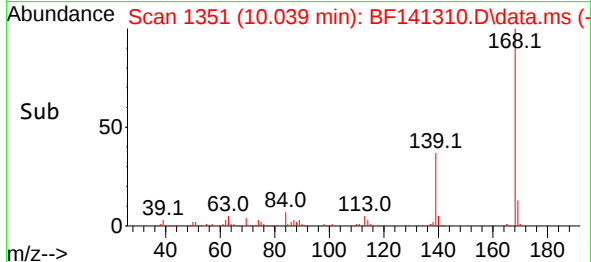
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:168 Resp: 285209
Ion Ratio Lower Upper
168 100
139 37.3 30.6 46.0
169 12.9 10.8 16.2

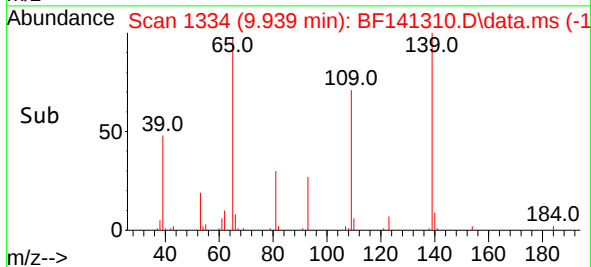
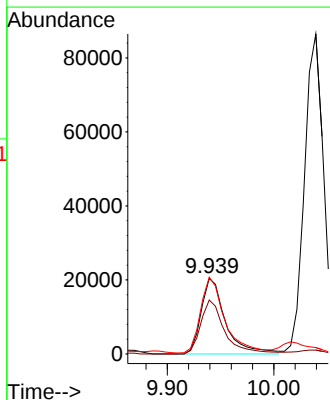
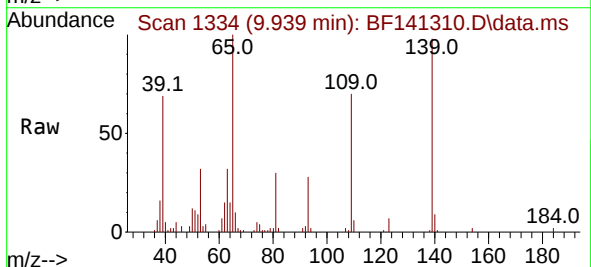
Manual Integrations
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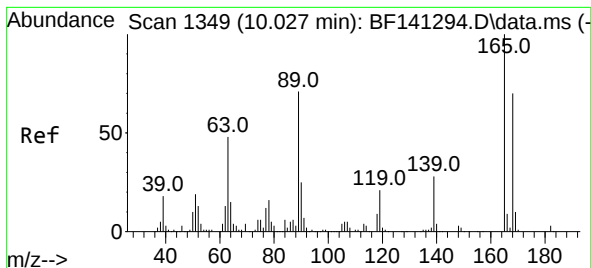
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#56
4-Nitrophenol
Concen: 7.777 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Tgt Ion:139 Resp: 32463
Ion Ratio Lower Upper
139 100
109 71.4 50.2 90.2
65 101.6 80.6 120.6





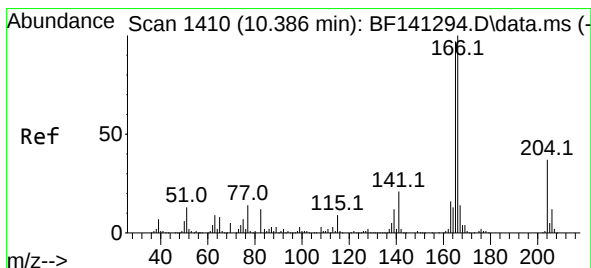
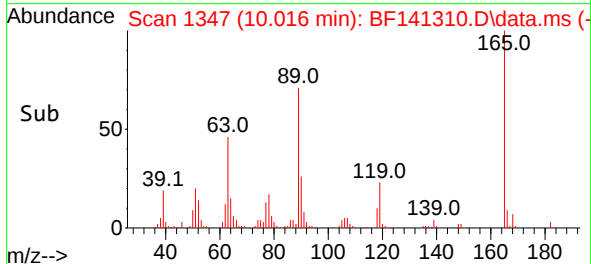
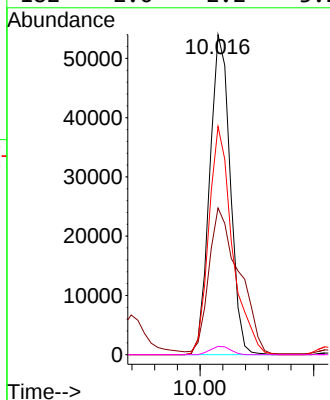
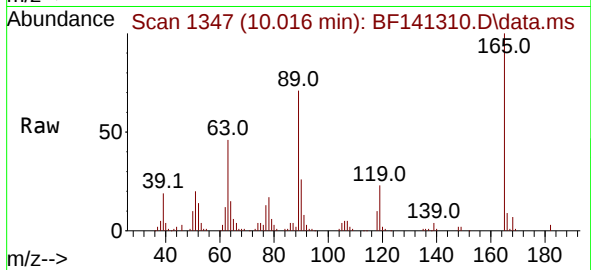
#57
2,4-Dinitrotoluene
Concen: 8.980 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:165 Resp: 67700
Ion Ratio Lower Upper
165 100
63 45.8 39.2 58.8
89 71.3 56.9 85.3
182 2.6 2.2 3.2

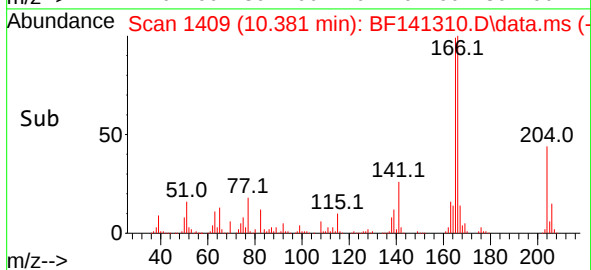
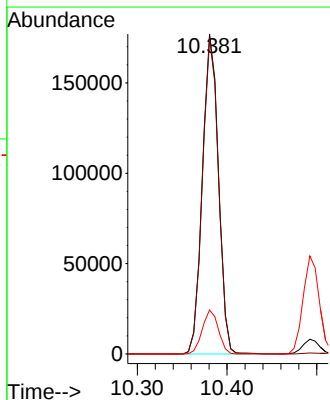
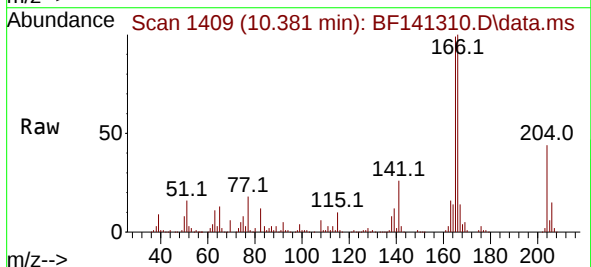
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#58
Fluorene
Concen: 9.393 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

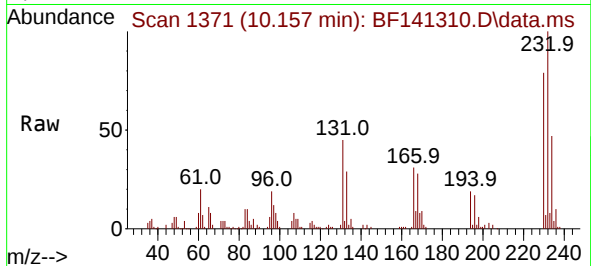
Tgt Ion:166 Resp: 220152
Ion Ratio Lower Upper
166 100
165 98.7 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.491 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

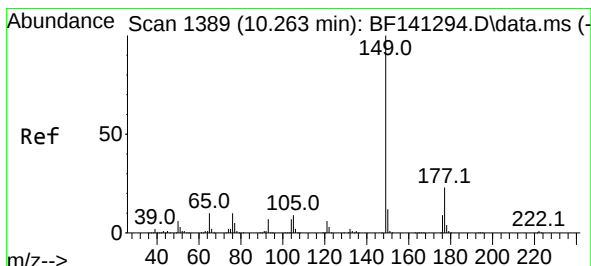
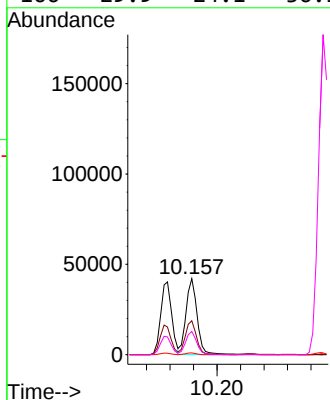
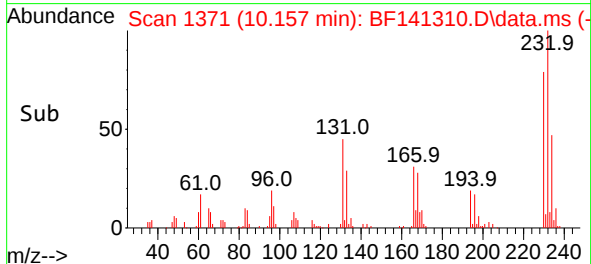
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:232 Resp: 56198
Ion Ratio Lower Upper
232 100
131 44.1 36.4 54.6
130 2.1 1.9 2.9
166 29.9 24.1 36.1

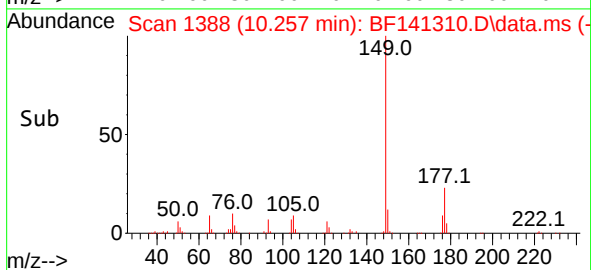
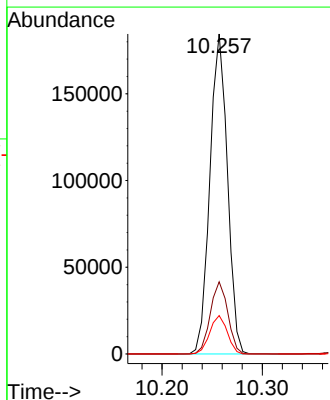
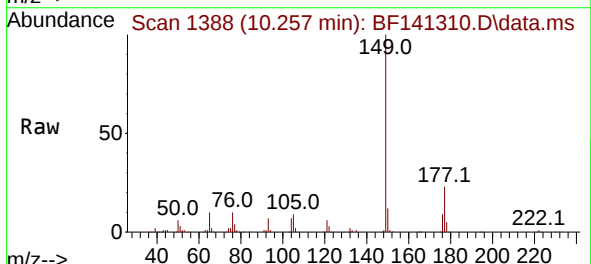
Manual Integrations
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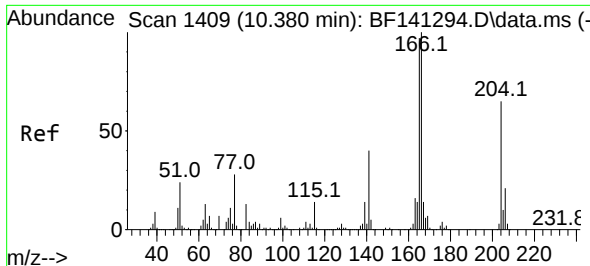
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#60
Diethylphthalate
Concen: 9.217 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

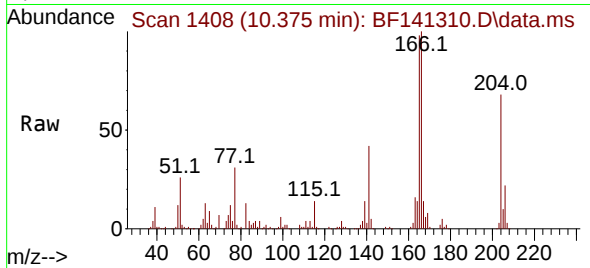
Tgt Ion:149 Resp: 224159
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.0 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 9.260 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

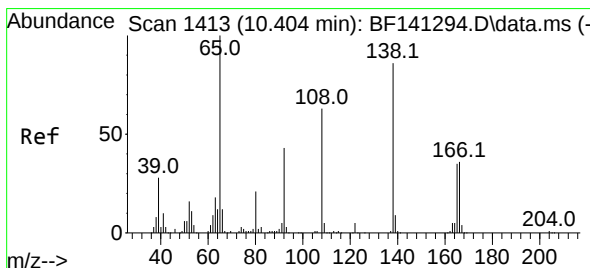
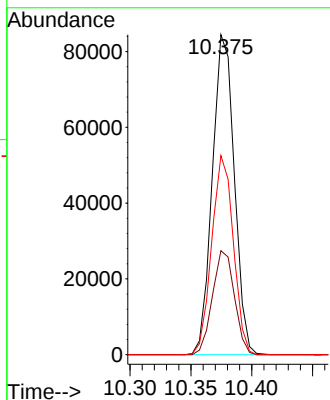
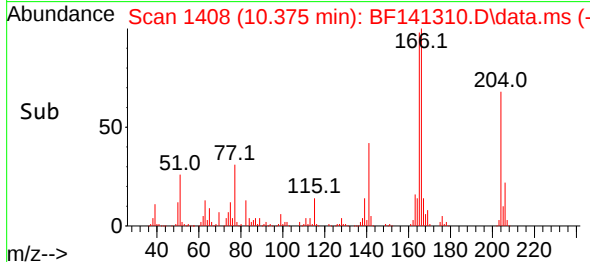
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



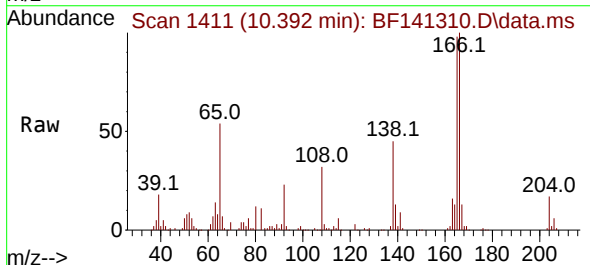
Tgt Ion:204 Resp: 106014
Ion Ratio Lower Upper
204 100
206 32.5 25.9 38.9
141 62.2 49.5 74.3

Manual Integrations
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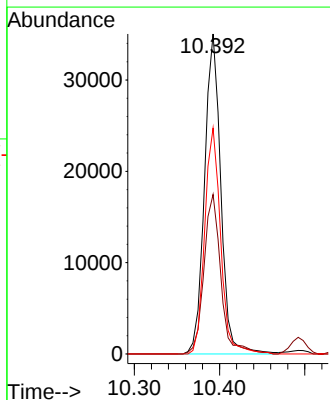
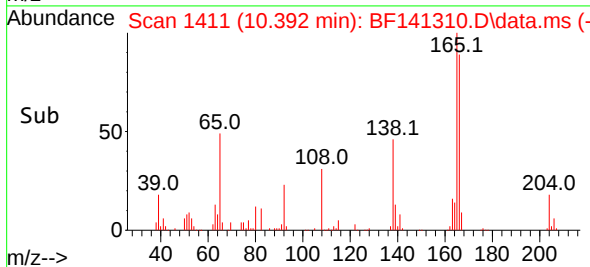
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

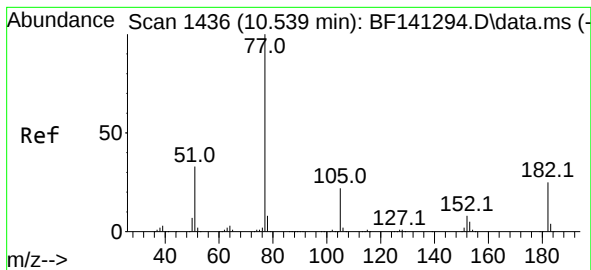


#62
4-Nitroaniline
Concen: 8.298 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.024 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



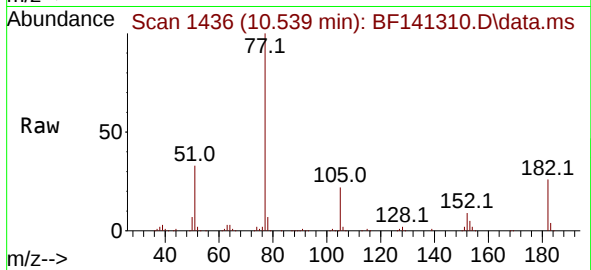
Tgt Ion:138 Resp: 46563
Ion Ratio Lower Upper
138 100
92 49.8 30.1 70.1
108 70.6 53.1 93.1





#63
Azobenzene
Concen: 9.293 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

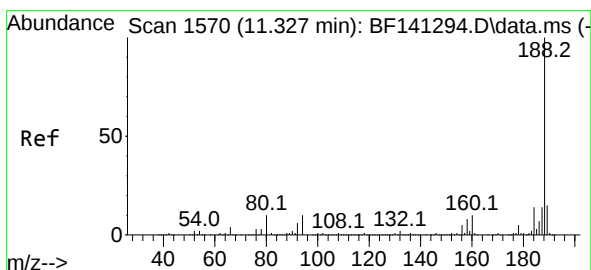
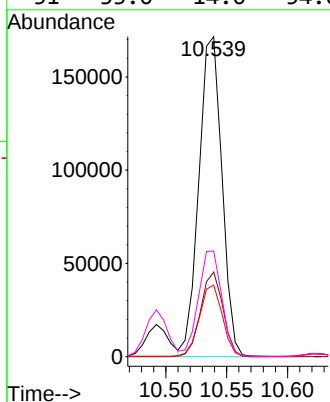
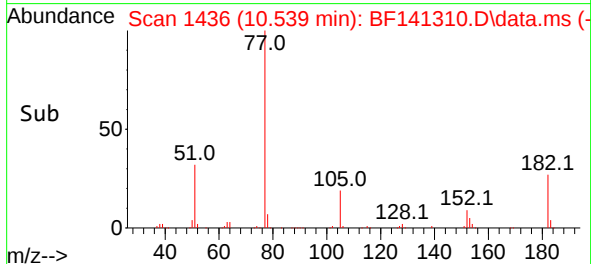
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



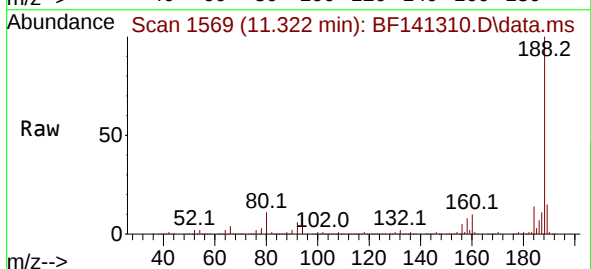
Tgt Ion: 77 Resp: 226210
Ion Ratio Lower Upper
77 100
182 26.4 5.1 45.1
105 22.4 1.8 41.8
51 33.0 14.0 54.0

Manual Integrations
APPROVED

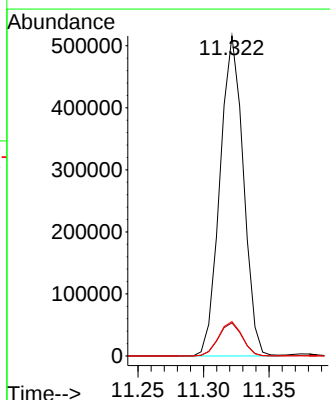
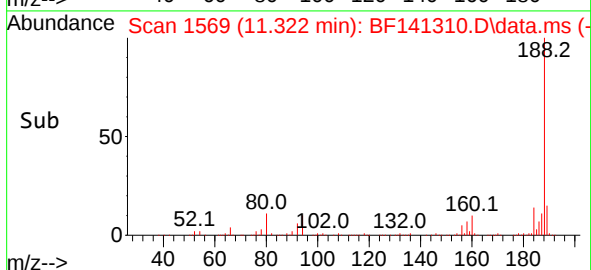
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

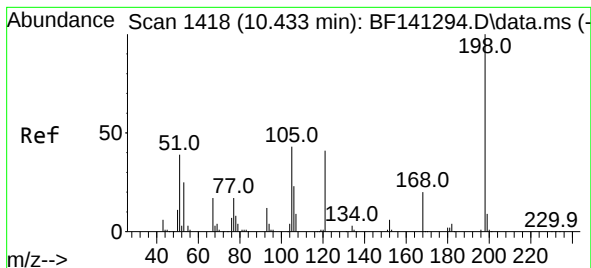


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



Tgt Ion:188 Resp: 641043
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 10.8 8.2 12.4





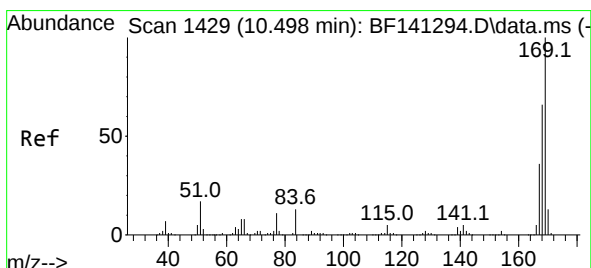
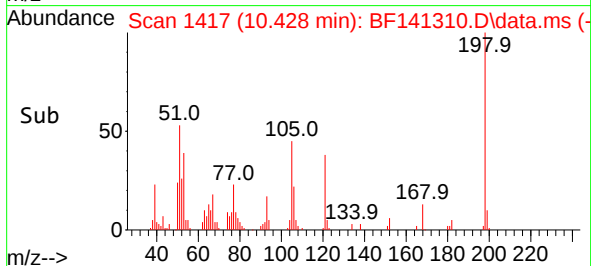
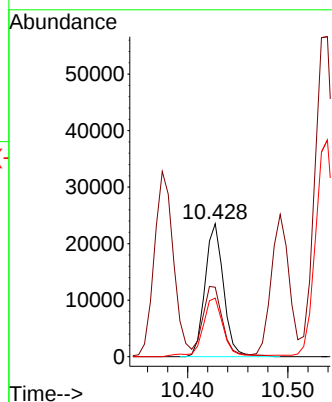
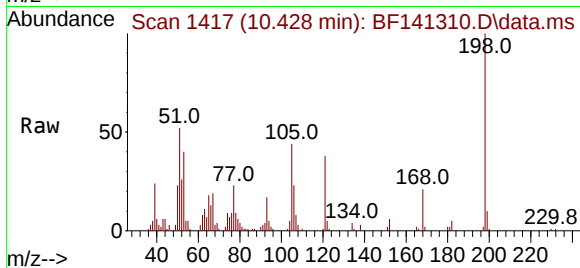
#65
4,6-Dinitro-2-methylphenol
Concen: 7.992 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:198 Resp: 3030
Ion Ratio Lower Upper
198 100
51 52.3 33.4 73.4
105 44.1 24.4 64.4

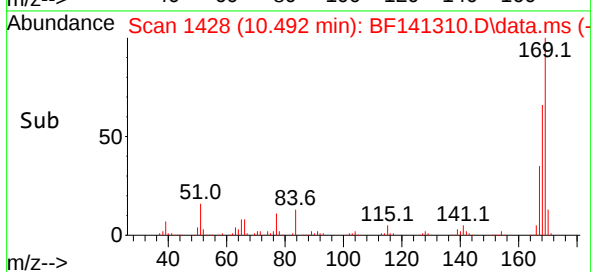
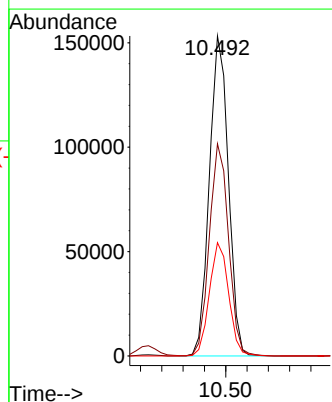
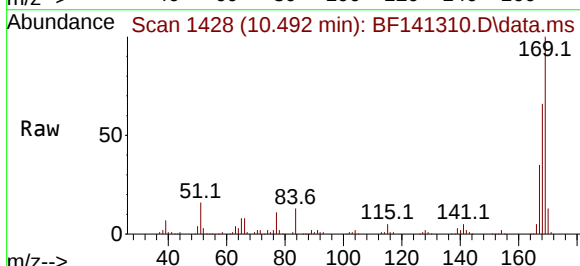
Manual Integrations
APPROVED

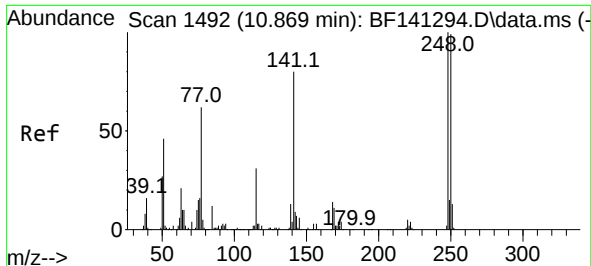
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#66
n-Nitrosodiphenylamine
Concen: 9.142 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

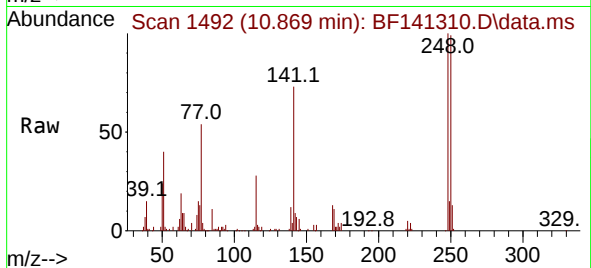
Tgt Ion:169 Resp: 189543
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 35.4 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 8.928 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

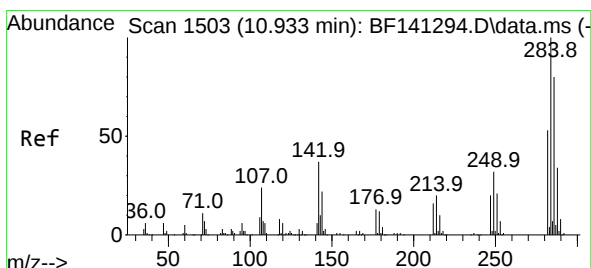
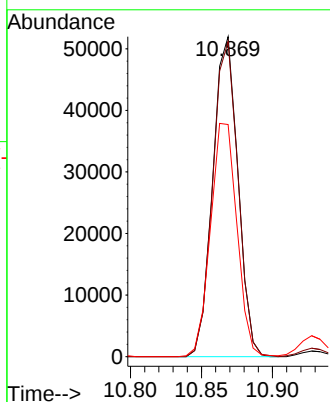
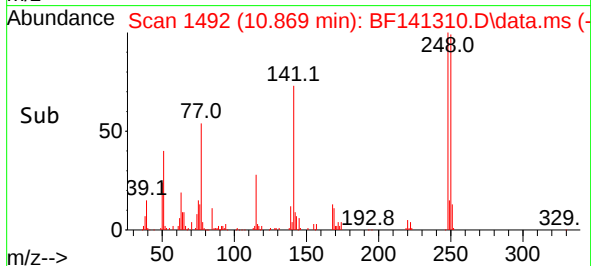
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



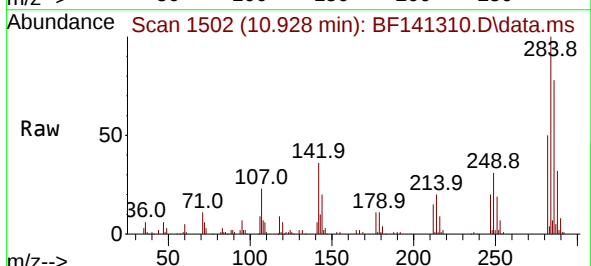
Tgt Ion:248 Resp: 6407
Ion Ratio Lower Upper
248 100
250 98.5 79.0 118.4
141 72.6 63.7 95.5

Manual Integrations
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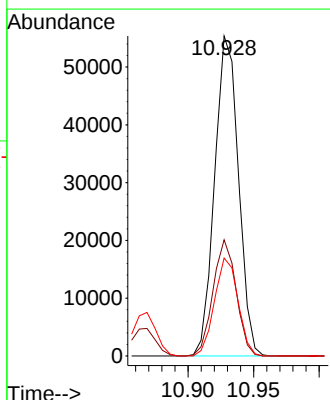
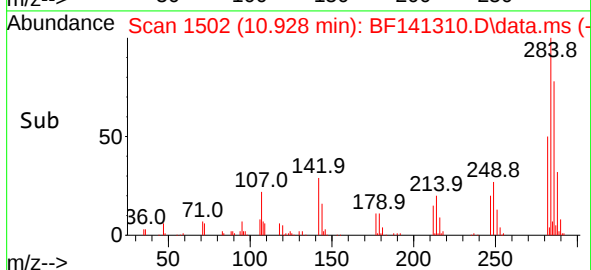
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

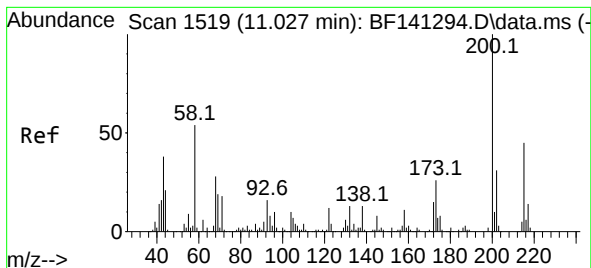


#68
Hexachlorobenzene
Concen: 9.164 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



Tgt Ion:284 Resp: 69764
Ion Ratio Lower Upper
284 100
142 36.3 29.5 44.3
249 30.6 25.4 38.2





#69

Atrazine

Concen: 9.104 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.018 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

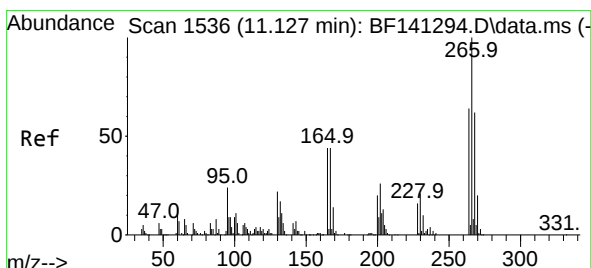
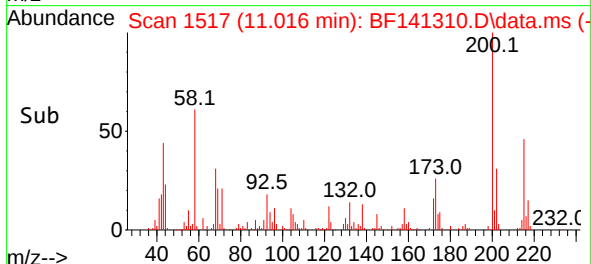
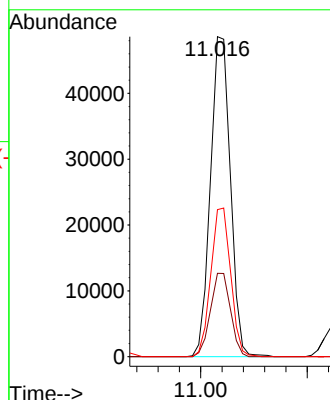
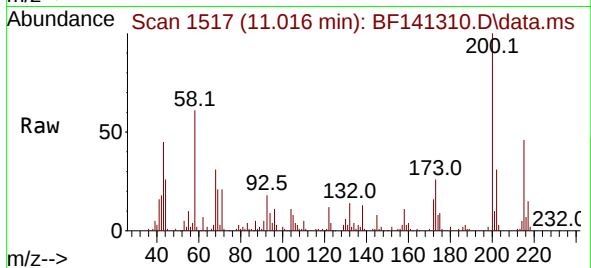
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:200 Resp: 63114
 Ion Ratio Lower Upper
 200 100
 173 26.1 5.9 45.9
 215 45.9 25.2 65.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025



#70

Pentachlorophenol

Concen: 7.955 ng

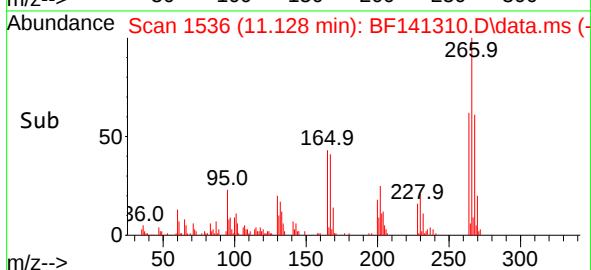
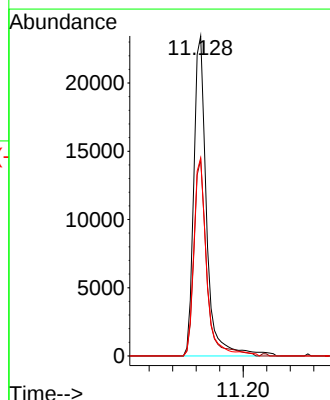
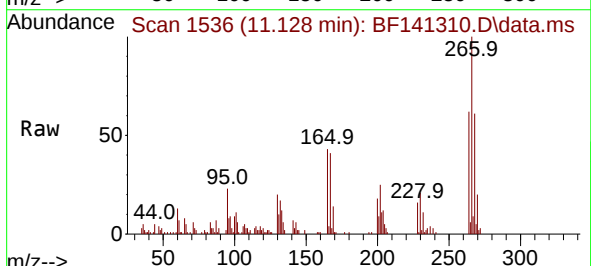
RT: 11.128 min Scan# 1536

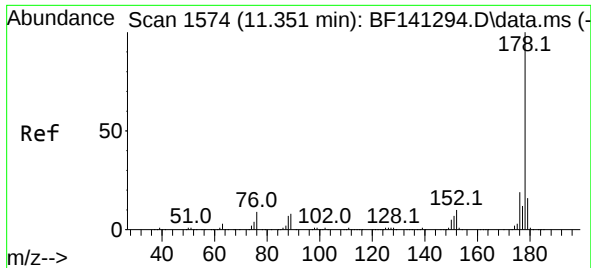
Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

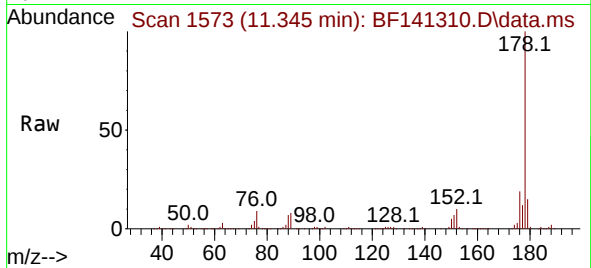
Tgt Ion:266 Resp: 35463
 Ion Ratio Lower Upper
 266 100
 268 61.5 49.9 74.9
 264 61.8 51.0 76.4





#71
Phenanthrene
Concen: 9.613 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

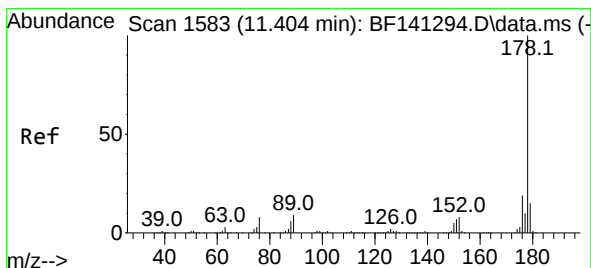
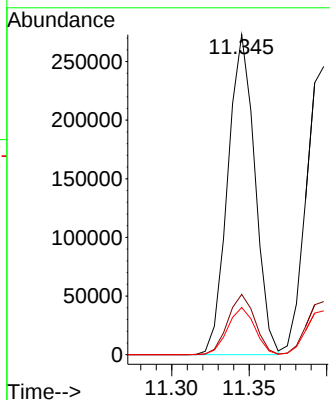
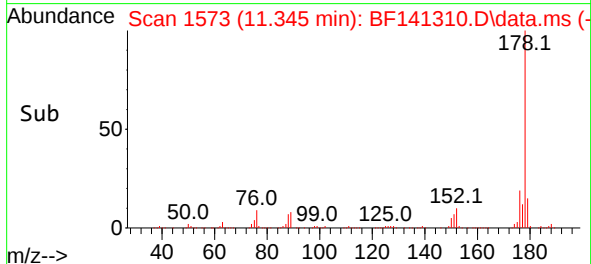
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



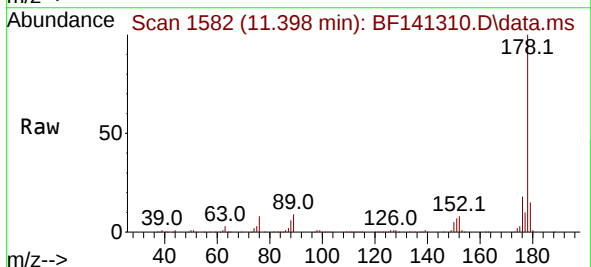
Tgt Ion:178 Resp: 331268
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 14.8 12.5 18.7

Manual Integrations
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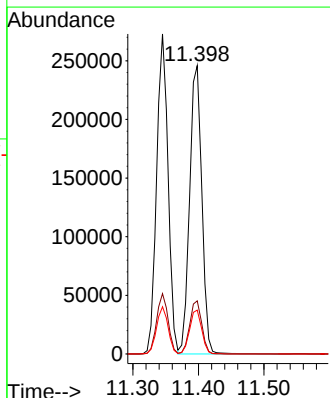
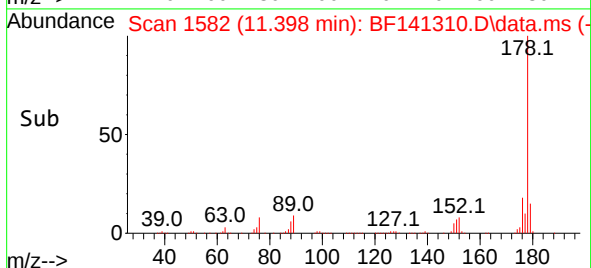
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

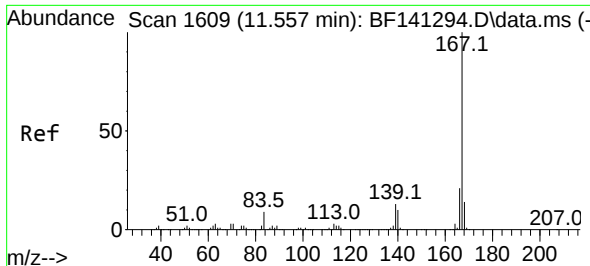


#72
Anthracene
Concen: 9.418 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



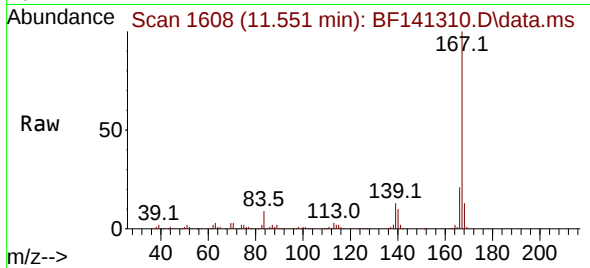
Tgt Ion:178 Resp: 317974
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.2 12.3 18.5





#73
 Carbazole
 Concen: 9.226 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141310.D
 Acq: 30 Jan 2025 13:39

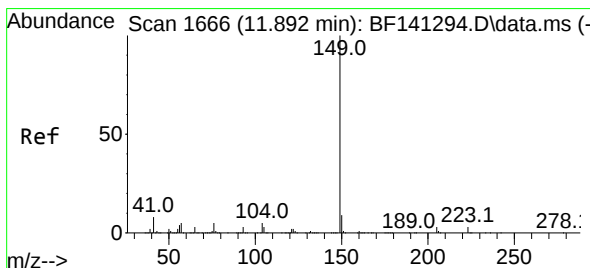
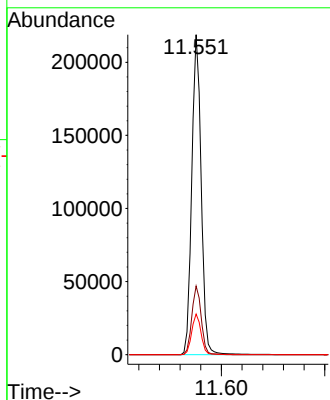
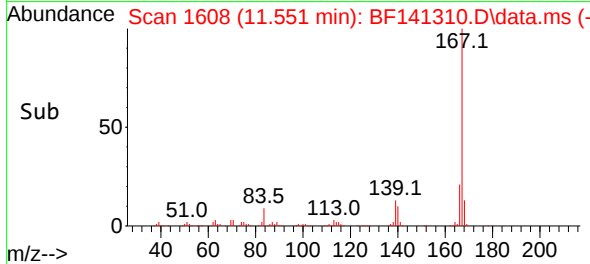
Instrument : BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



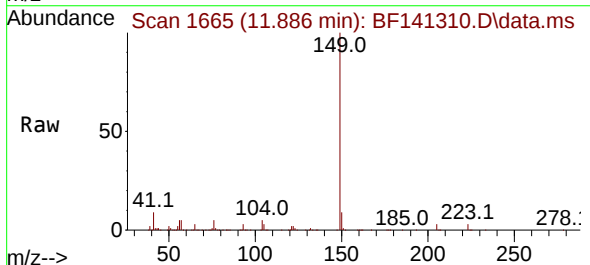
Tgt Ion:167 Resp: 276219
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 12.7 10.6 16.0

Manual Integrations
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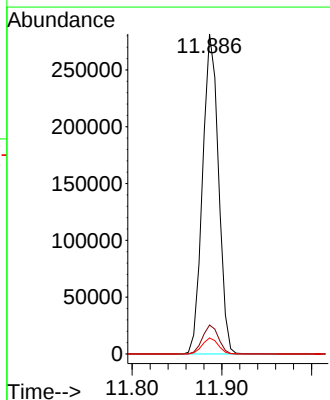
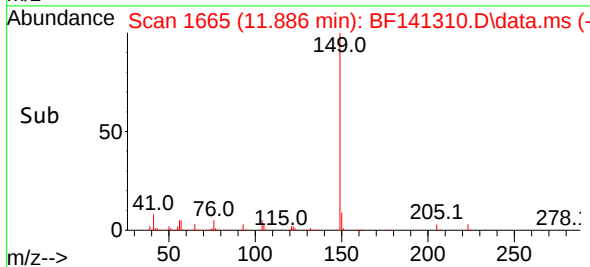
Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025

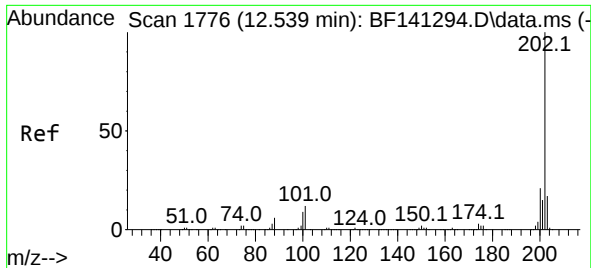


#74
 Di-n-butylphthalate
 Concen: 9.576 ng
 RT: 11.886 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF141310.D
 Acq: 30 Jan 2025 13:39



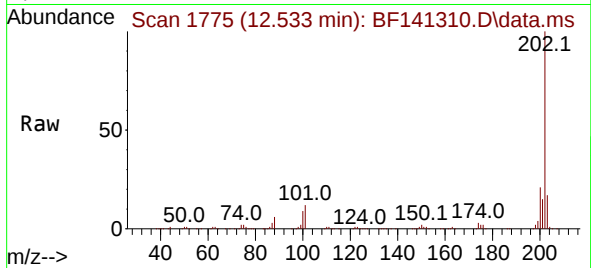
Tgt Ion:149 Resp: 347454
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 9.518 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

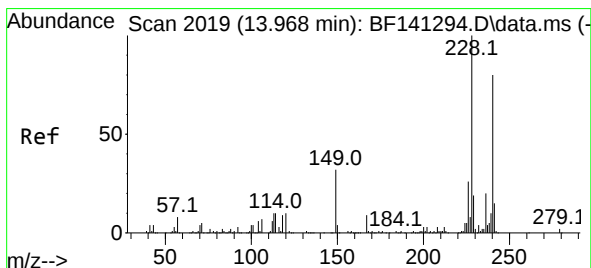
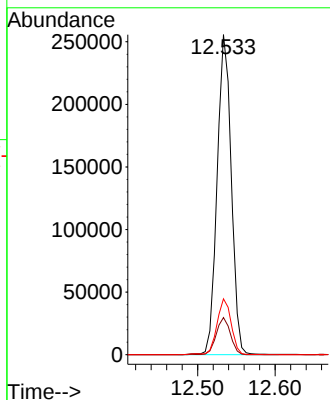
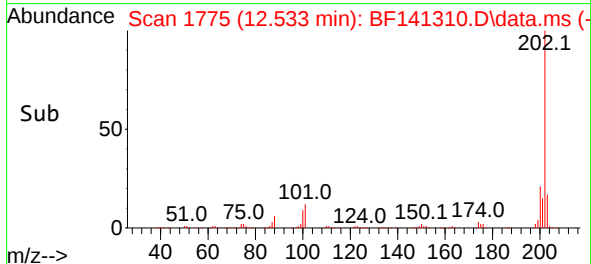
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



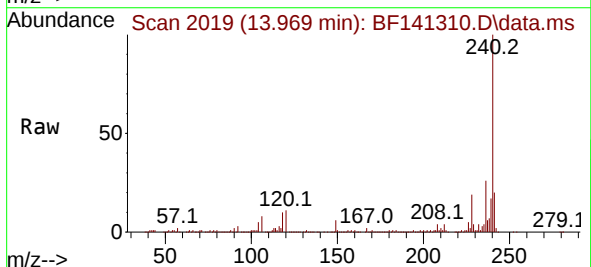
Tgt Ion:202 Resp: 32384
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.5 0.0 37.5

Manual Integrations
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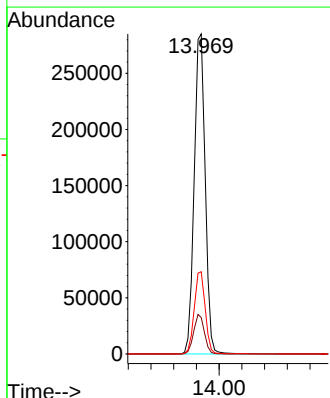
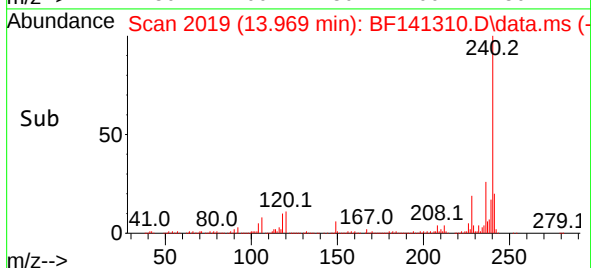
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

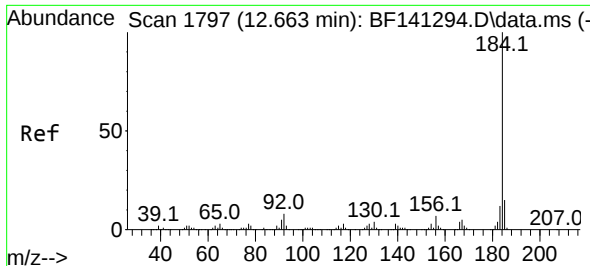


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



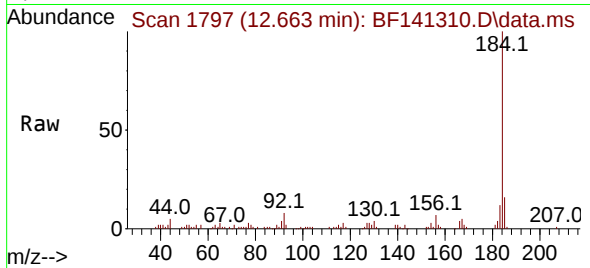
Tgt Ion:240 Resp: 386477
Ion Ratio Lower Upper
240 100
120 11.4 10.0 15.0
236 25.7 19.7 29.5





#77
Benzidine
Concen: 4.443 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

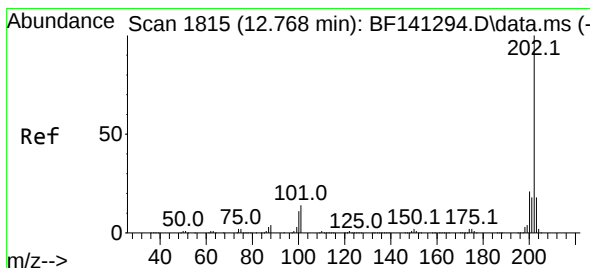
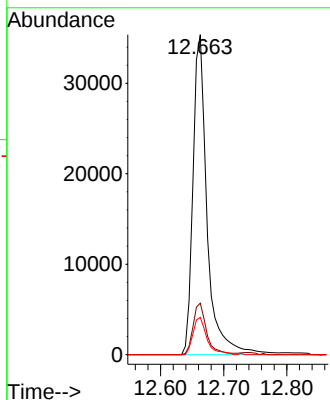
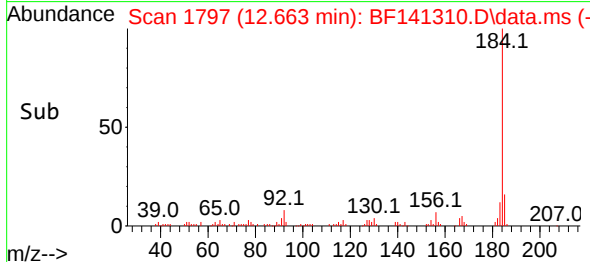
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



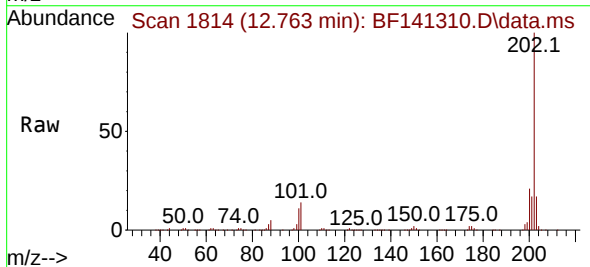
Tgt Ion:184 Resp: 55048
Ion Ratio Lower Upper
184 100
185 16.1 11.9 17.9
183 11.7 9.5 14.3

Manual Integrations
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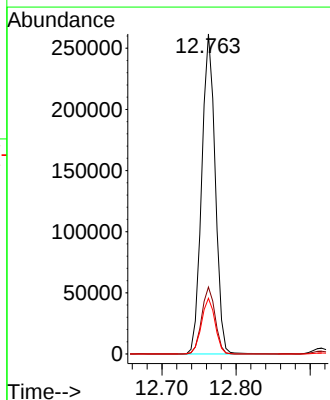
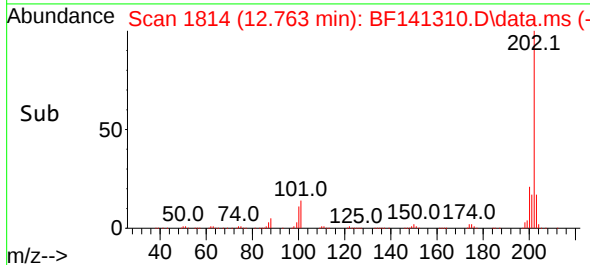
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

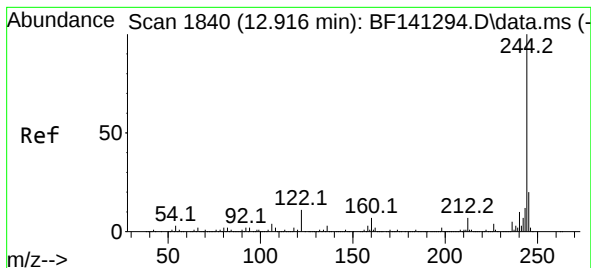


#78
Pyrene
Concen: 8.965 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



Tgt Ion:202 Resp: 332587
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 76.219 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141310.D

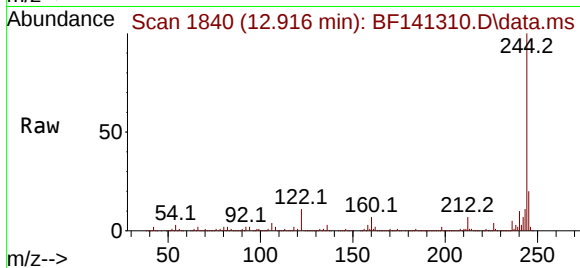
Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:244 Resp: 1910080

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

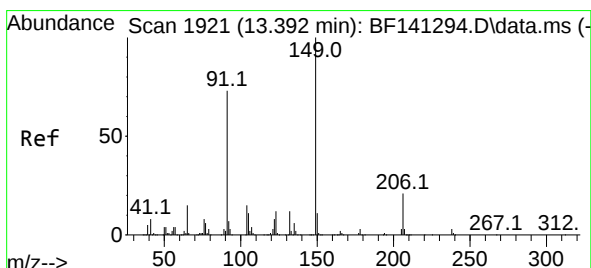
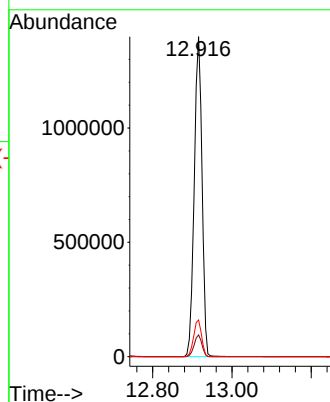
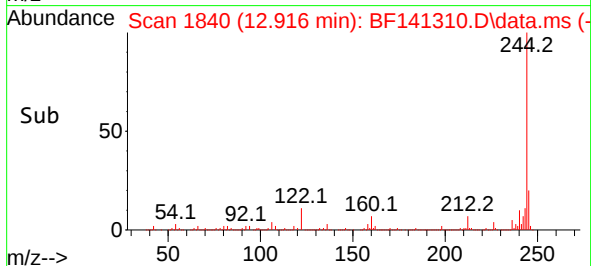
122 11.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025

Supervised By :mohammad ahmed 01/31/2025



#80

Butylbenzylphthalate

Concen: 8.985 ng

RT: 13.386 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

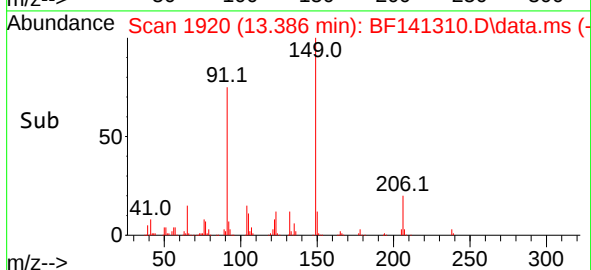
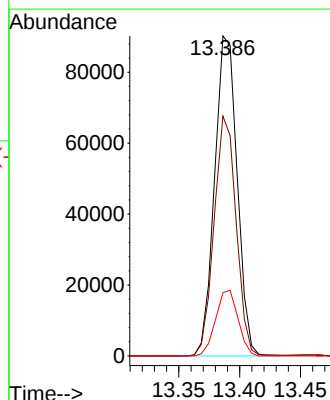
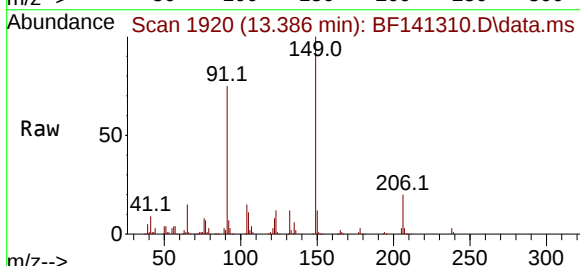
Tgt Ion:149 Resp: 116452

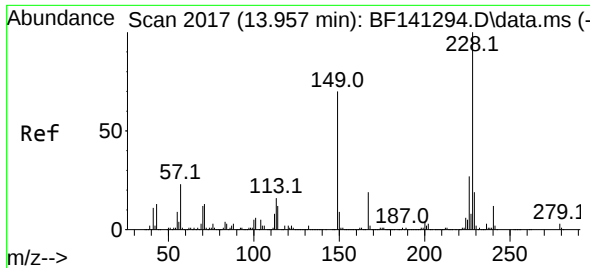
Ion Ratio Lower Upper

149 100

91 75.0 58.6 87.8

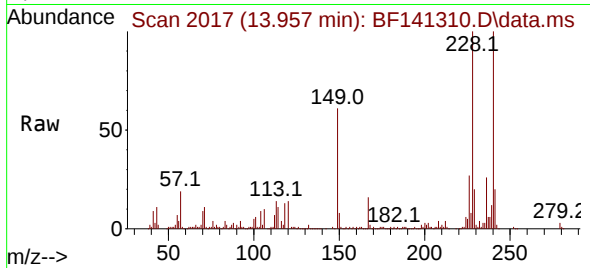
206 19.8 16.7 25.1





#81
Benzo(a)anthracene
Concen: 9.022 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

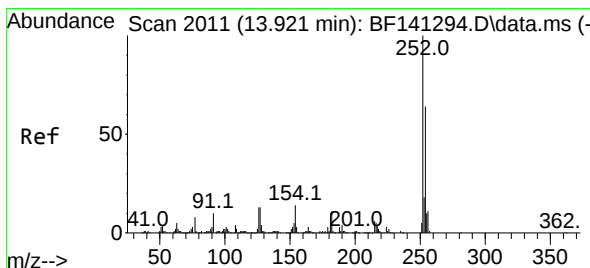
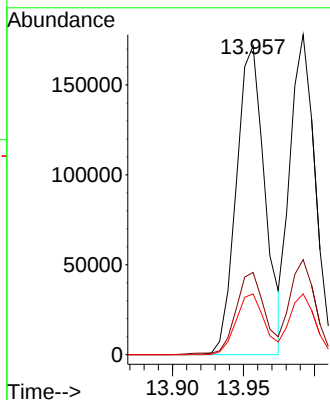
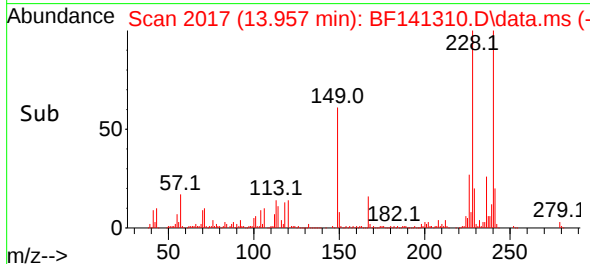
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



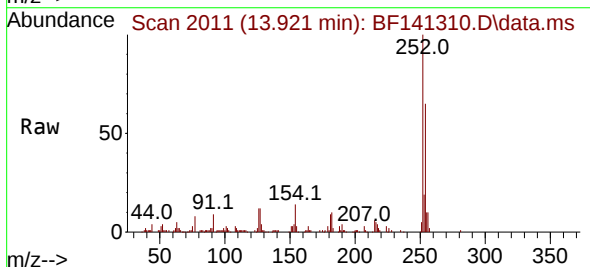
Tgt Ion:228 Resp: 240608
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.2
229 19.7 15.5 23.3

Manual Integrations
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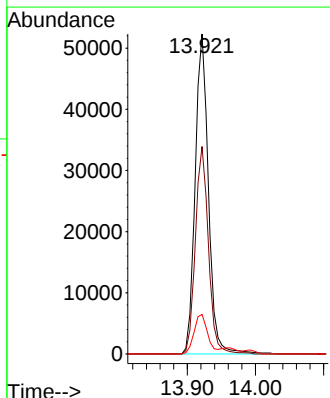
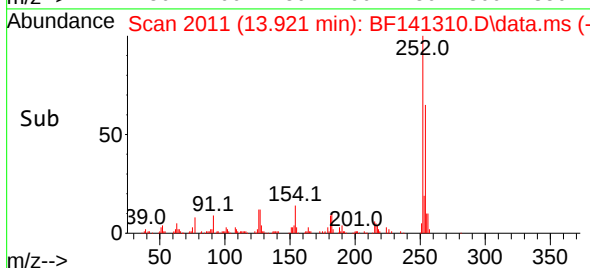
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#82
3,3'-Dichlorobenzidine
Concen: 8.336 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



Tgt Ion:252 Resp: 70703
Ion Ratio Lower Upper
252 100
254 64.8 51.3 76.9
126 12.4 10.0 15.0





#83

Chrysene

Concen: 8.929 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

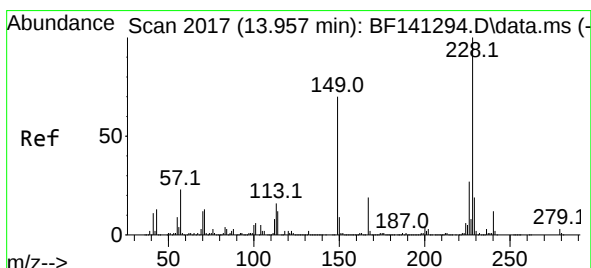
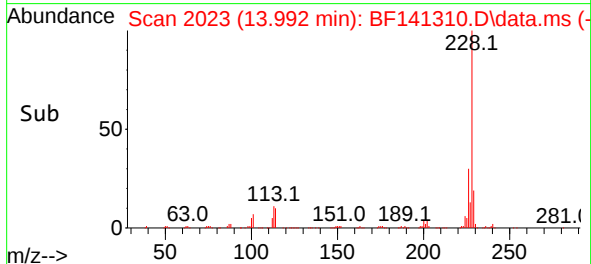
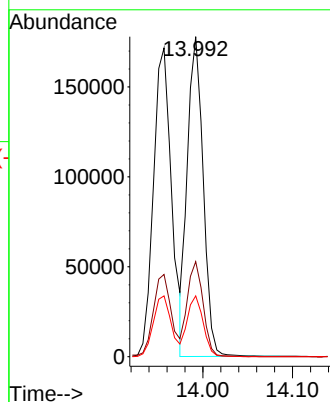
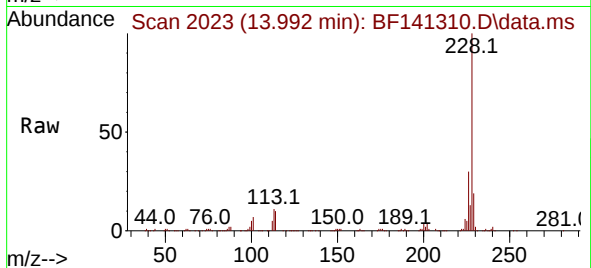
Tgt Ion:228 Resp: 21824

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	19.0	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.361 ng

RT: 13.951 min Scan# 2016

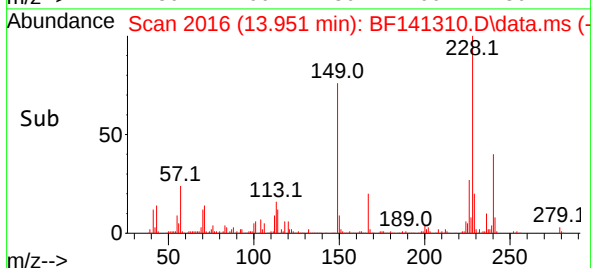
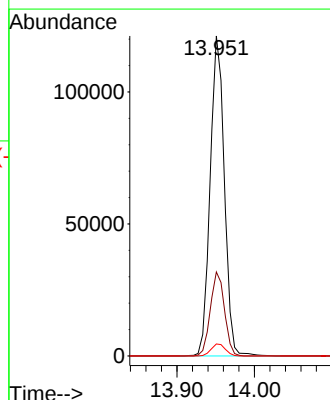
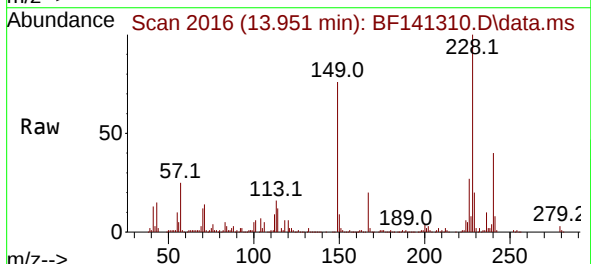
Delta R.T. -0.006 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

Tgt Ion:149 Resp: 153903

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.8	32.8
279	3.7	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 8.436 ng

RT: 14.574 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF141310.D

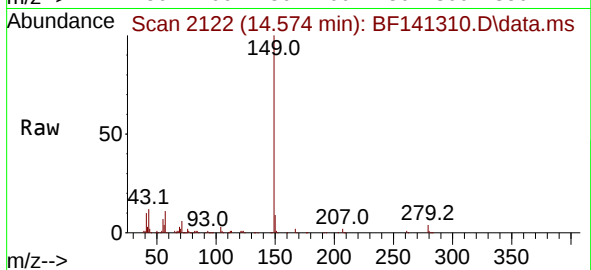
Acq: 30 Jan 2025 13:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:149 Resp: 215420

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

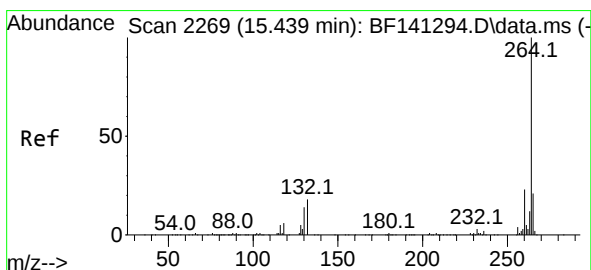
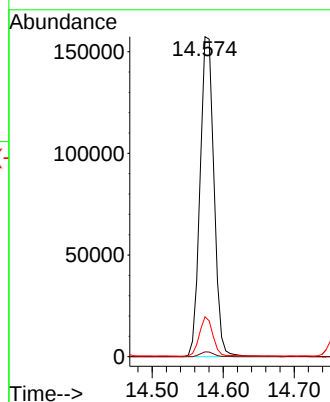
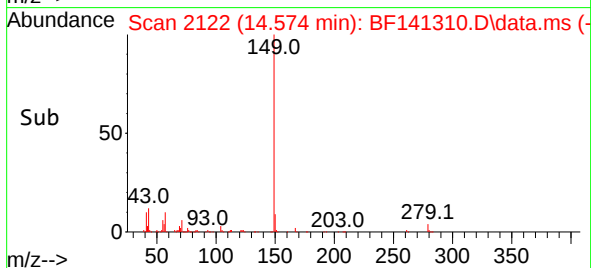
43 12.0 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025

Supervised By :mohammad ahmed 01/31/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141310.D

Acq: 30 Jan 2025 13:39

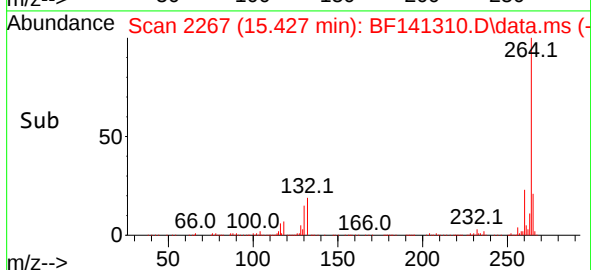
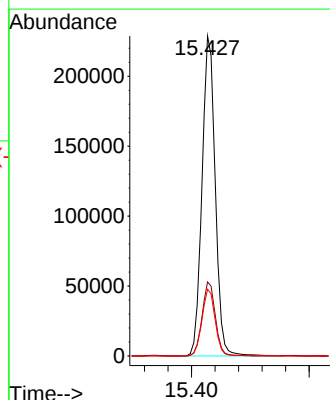
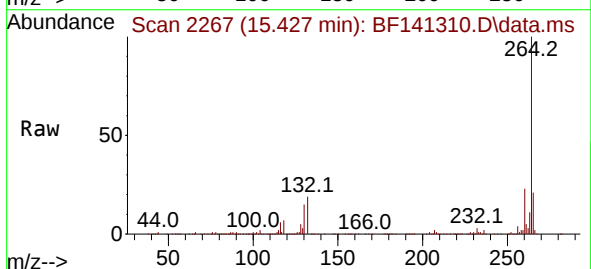
Tgt Ion:264 Resp: 358301

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

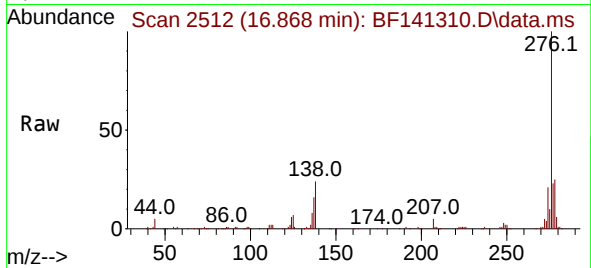
265 20.9 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.756 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

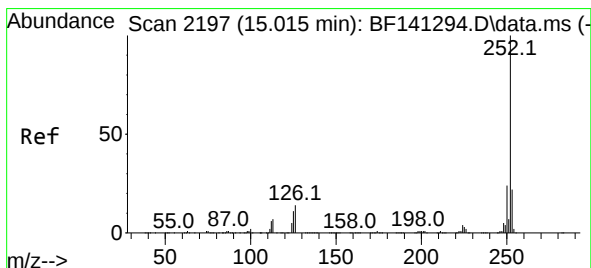
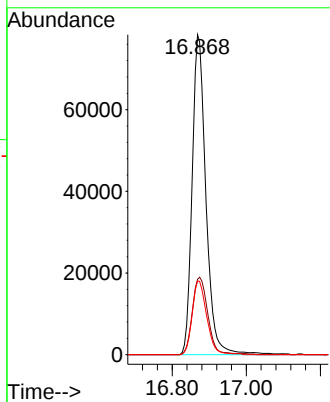
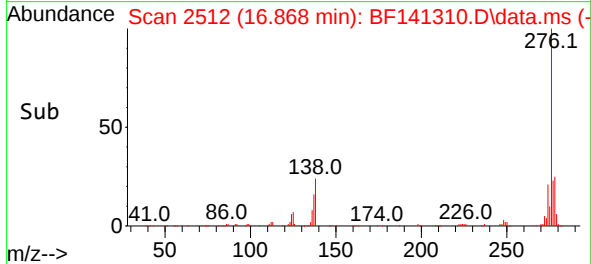
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:276 Resp: 202485
Ion Ratio Lower Upper
276 100
138 27.0 21.7 32.5
277 24.3 20.3 30.5

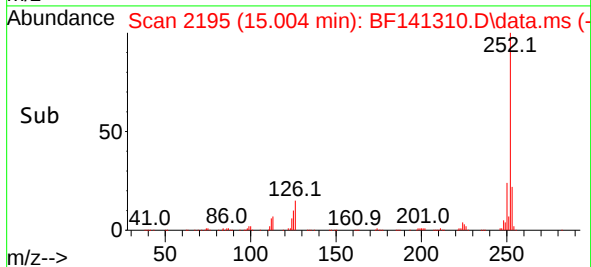
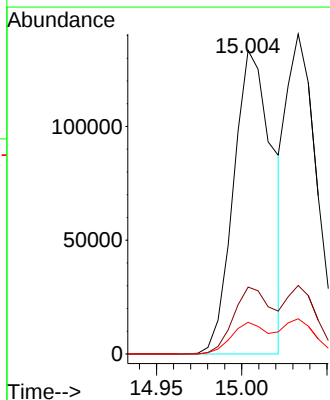
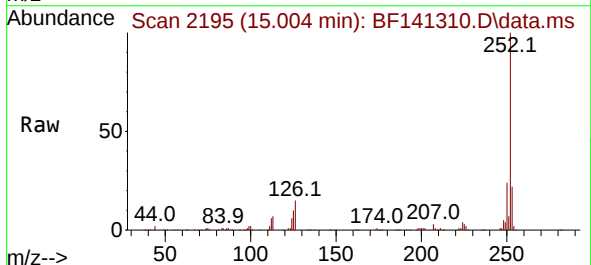
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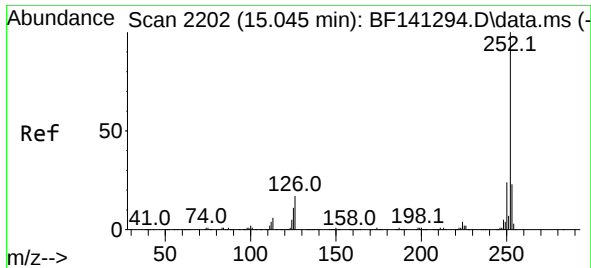
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#88
Benzo(b)fluoranthene
Concen: 9.438 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Tgt Ion:252 Resp: 212722
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.5 8.6 12.8





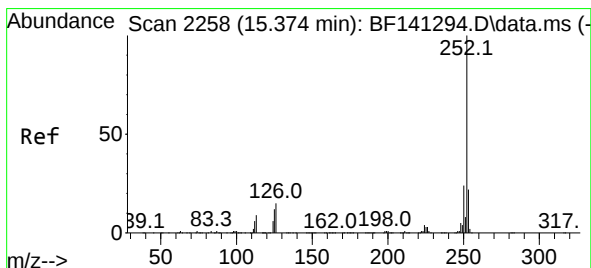
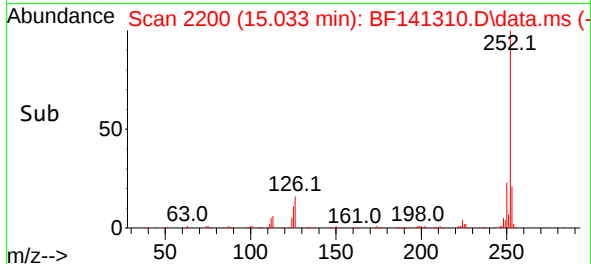
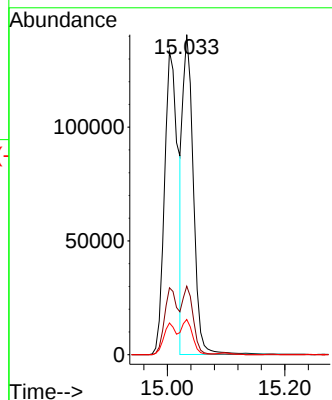
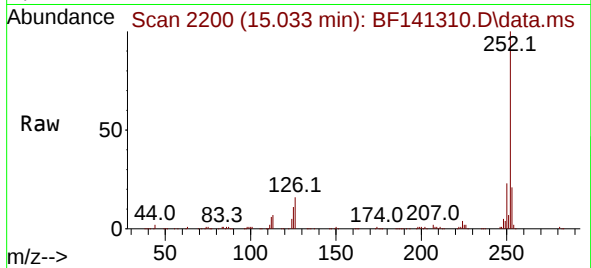
#89
Benzo(k)fluoranthene
Concen: 8.892 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:252 Resp: 177528
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 11.0 8.4 12.6

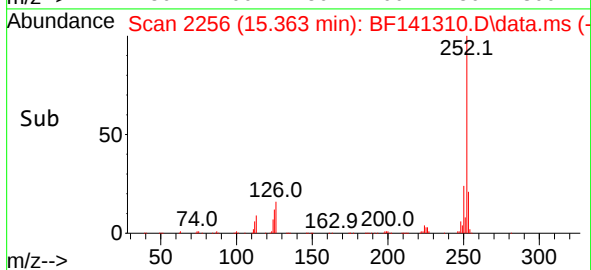
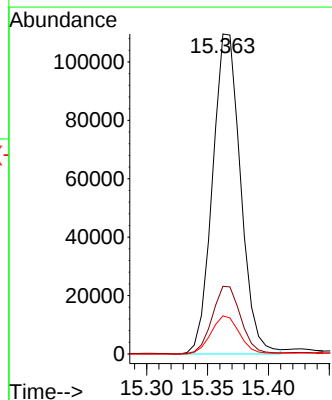
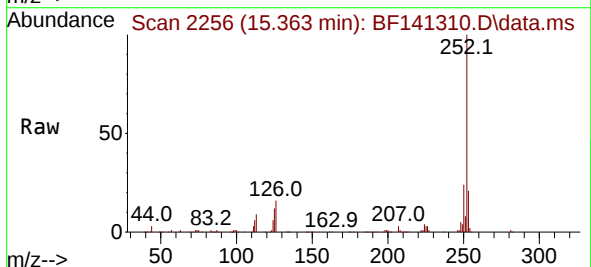
Manual Integrations
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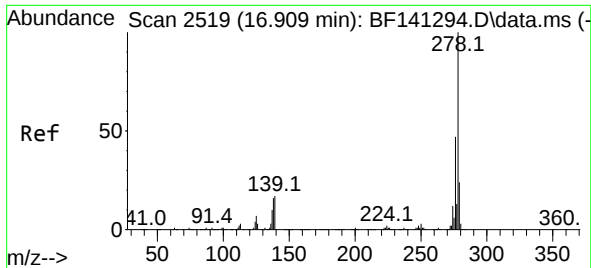
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#90
Benzo(a)pyrene
Concen: 9.238 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

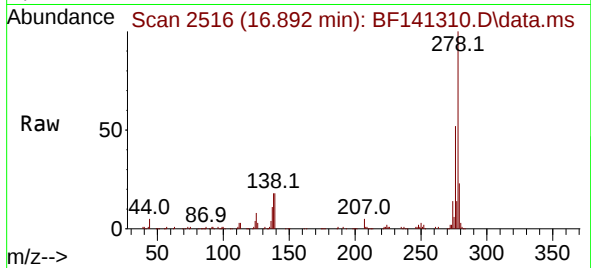
Tgt Ion:252 Resp: 175941
Ion Ratio Lower Upper
252 100
253 21.1 17.2 25.8
125 11.9 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 8.464 ng
RT: 16.892 min Scan# 2519
Delta R.T. -0.029 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39

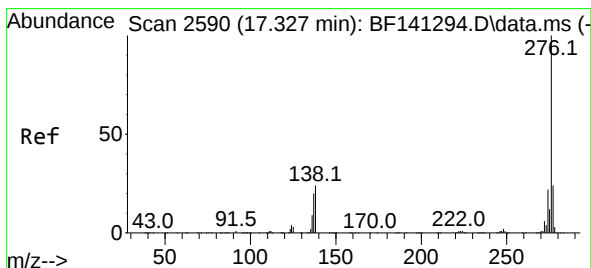
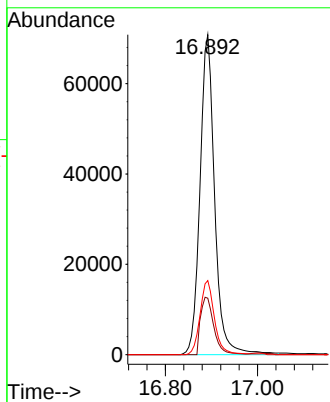
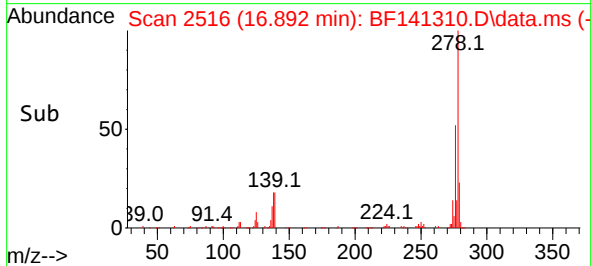
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



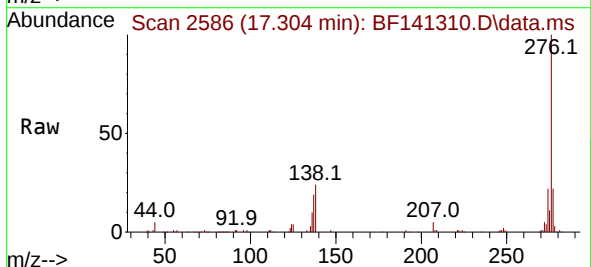
Tgt Ion:278 Resp: 157474
Ion Ratio Lower Upper
278 100
139 17.6 13.9 20.9
279 23.1 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#92
Benzo(g,h,i)perylene
Concen: 8.232 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141310.D
Acq: 30 Jan 2025 13:39



Tgt Ion:276 Resp: 159250
Ion Ratio Lower Upper
276 100
277 22.3 19.2 28.8
138 23.6 19.0 28.4

