

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134304.D
 Acq On : 14 Jul 2023 23:09
 Operator : CG\JU
 Sample : 03592-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 15 01:15:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	71281	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	276061	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	136850	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	259295	20.000	ng	0.00
76) Chrysene-d12	14.045	240	165682	20.000	ng	0.00
86) Perylene-d12	15.545	264	141729	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	457494	107.361	ng	0.01
7) Phenol-d6	6.487	99	542509	103.522	ng	0.00
23) Nitrobenzene-d5	7.410	82	380638	74.326	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	185264	107.974	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	698965	74.258	ng	0.00
79) Terphenyl-d14	12.974	244	700032	68.000	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	71951	40.950	ng	97
3) Pyridine	3.434	79	170897	37.341	ng	96
4) n-Nitrosodimethylamine	3.393	42	116479	44.561	ng	96
6) Aniline	6.510	93	260585	40.863	ng	94
8) 2-Chlorophenol	6.634	128	210265	48.608	ng	93
9) Benzaldehyde	6.398	77	135310	50.338	ng	96
10) Phenol	6.498	94	256116	46.482	ng	90
11) bis(2-Chloroethyl)ether	6.581	93	188338	46.428	ng	98
12) 1,3-Dichlorobenzene	6.786	146	231676	50.237	ng	96
13) 1,4-Dichlorobenzene	6.863	146	232041	49.815	ng	99
14) 1,2-Dichlorobenzene	7.010	146	222127	50.918	ng	100
15) Benzyl Alcohol	6.986	79	196390	48.612	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	306653	42.730	ng	91
17) 2-Methylphenol	7.104	107	171685	44.322	ng	94
18) Hexachloroethane	7.351	117	85949	49.764	ng	96
19) n-Nitroso-di-n-propyla...	7.257	70	154548	46.504	ng	99
20) 3+4-Methylphenols	7.257	107	217260	46.233	ng	94
22) Acetophenone	7.251	105	303558	48.350	ng	# 97
24) Nitrobenzene	7.428	77	235221	45.452	ng	94
25) Isophorone	7.663	82	411686	44.232	ng	98
26) 2-Nitrophenol	7.745	139	115622	46.573	ng	98
27) 2,4-Dimethylphenol	7.781	122	180431	45.914	ng	96
28) bis(2-Chloroethoxy)met...	7.875	93	241669	44.842	ng	98
29) 2,4-Dichlorophenol	7.986	162	175344	44.997	ng	97
30) 1,2,4-Trichlorobenzene	8.063	180	195114	48.525	ng	98
31) Naphthalene	8.145	128	599880	44.987	ng	100
32) Benzoic acid	7.910	122	123875m	42.067	ng	
33) 4-Chloroaniline	8.198	127	175348	30.741	ng	97
34) Hexachlorobutadiene	8.257	225	126205	49.758	ng	99
35) Caprolactam	8.575	113	58715m	45.761	ng	
36) 4-Chloro-3-methylphenol	8.686	107	201823	46.103	ng	98
37) 2-Methylnaphthalene	8.839	142	401149	42.541	ng	98
38) 1-Methylnaphthalene	8.939	142	375279	42.810	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	198030	48.843	ng	98
41) Hexachlorocyclopentadiene	8.986	237	76413	39.726	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	127772	46.294	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	137933	42.486	ng	99
46) 1,1'-Biphenyl	9.304	154	503042	45.824	ng	98
47) 2-Chloronaphthalene	9.328	162	373410	46.491	ng	97
48) 2-Nitroaniline	9.427	65	131450	44.906	ng	97
49) Acenaphthylene	9.745	152	608713	44.365	ng	100
50) Dimethylphthalate	9.610	163	455401	45.843	ng	99
51) 2,6-Dinitrotoluene	9.675	165	99273	46.398	ng	93
52) Acenaphthene	9.916	154	361821	45.447	ng	98
53) 3-Nitroaniline	9.845	138	97546	38.002	ng	99
54) 2,4-Dinitrophenol	9.957	184	61960	51.586	ng	91
55) Dibenzofuran	10.092	168	548251	44.063	ng	99
56) 4-Nitrophenol	10.016	139	152332	84.843	ng	87
57) 2,4-Dinitrotoluene	10.086	165	130724	46.264	ng	# 89
58) Fluorene	10.433	166	442524	45.715	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.210	232	115763	45.205	ng	99
60) Diethylphthalate	10.310	149	475380	45.932	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	215614	46.220	ng	99
62) 4-Nitroaniline	10.463	138	97665	37.755	ng	89
63) Azobenzene	10.586	77	436008	44.536	ng	96
65) 4,6-Dinitro-2-methylph...	10.492	198	47240	33.417	ng	82
66) n-Nitrosodiphenylamine	10.551	169	384411	46.401	ng	98
67) 4-Bromophenyl-phenylether	10.916	248	130934	47.509	ng	# 89
68) Hexachlorobenzene	10.986	284	147706	50.477	ng	96
69) Atrazine	11.080	200	129504	56.513	ng	98
70) Pentachlorophenol	11.186	266	136615	78.082	ng	99
71) Phenanthrene	11.404	178	622329	47.676	ng	99
72) Anthracene	11.457	178	607515	44.746	ng	100
73) Carbazole	11.616	167	566291	45.569	ng	98
74) Di-n-butylphthalate	11.939	149	729033	49.332	ng	99
75) Fluoranthene	12.604	202	754235	53.447	ng	97
77) Benzidine	12.727	184	382836	97.110	ng	99
78) Pyrene	12.833	202	734154	47.614	ng	99
80) Butylbenzylphthalate	13.451	149	278689	48.192	ng	99
81) Benzo(a)anthracene	14.033	228	586169	51.014	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	195034	53.575	ng	98
83) Chrysene	14.068	228	522512	46.950	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	369560	55.616	ng	98
85) Di-n-octyl phthalate	14.633	149	613600	62.845	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	387216	39.373	ng	96
88) Benzo(b)fluoranthene	15.104	252	459124	55.092	ng	98
89) Benzo(k)fluoranthene	15.133	252	425982	50.204	ng	97
90) Benzo(a)pyrene	15.480	252	364631	45.247	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	321496	40.023	ng	96
92) Benzo(g,h,i)perylene	17.568	276	308223	37.208	ng	97

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

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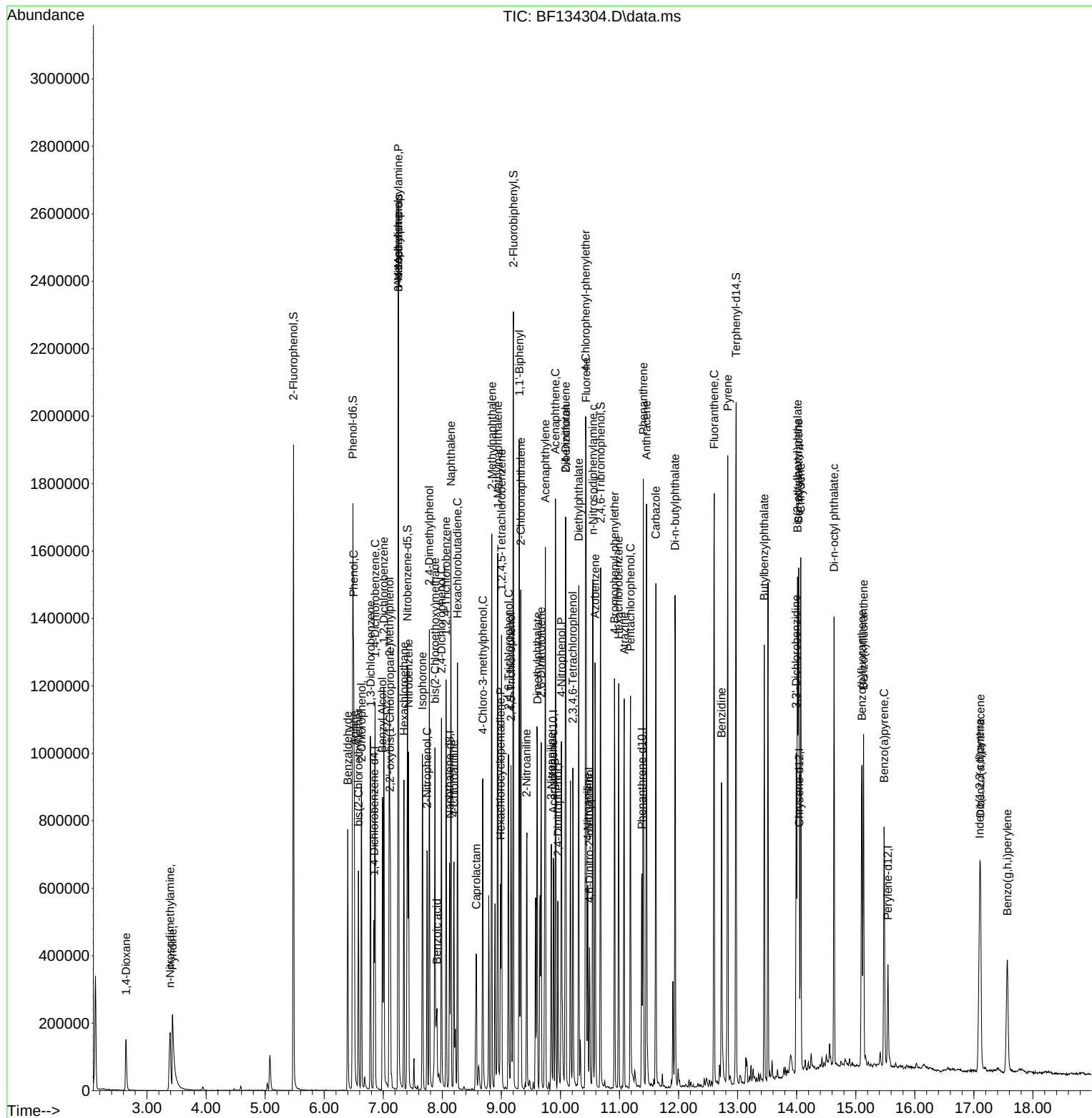
SOIL-PILEMS

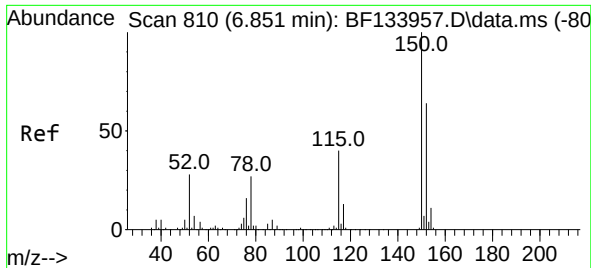
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

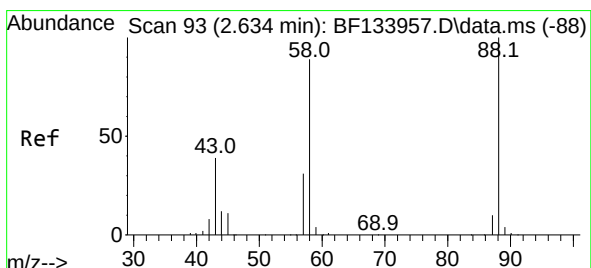
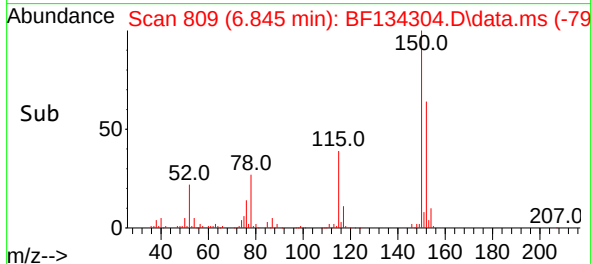
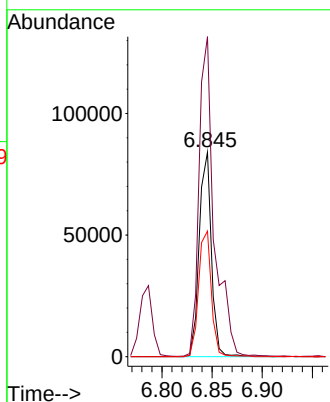
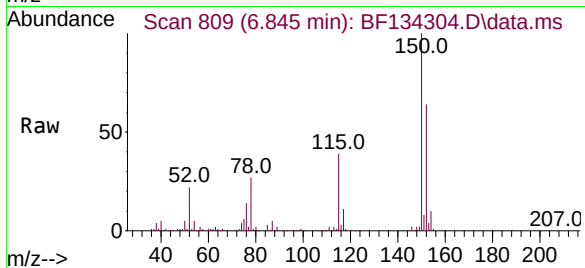
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Tgt Ion:152 Resp: 7128
Ion Ratio Lower Upper
152 100
150 156.5 124.5 186.7
115 61.5 50.2 75.2

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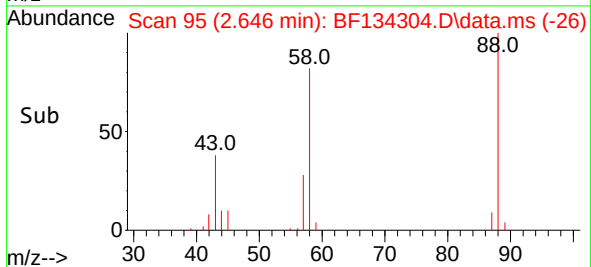
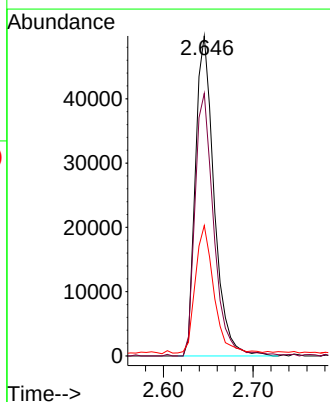
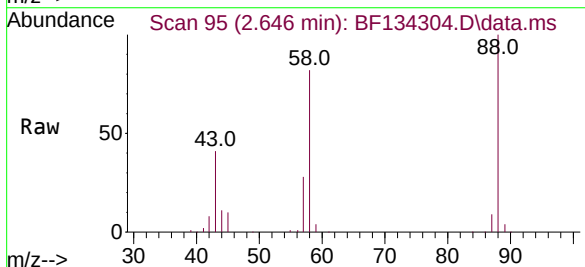
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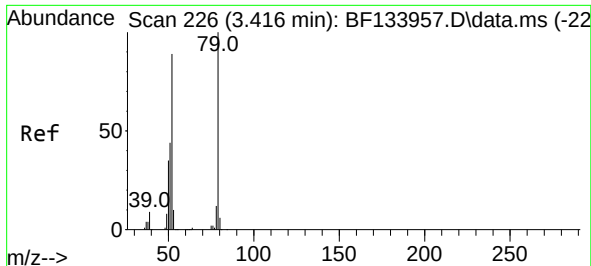
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#2
1,4-Dioxane
Concen: 40.950 ng
RT: 2.646 min Scan# 95
Delta R.T. 0.053 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

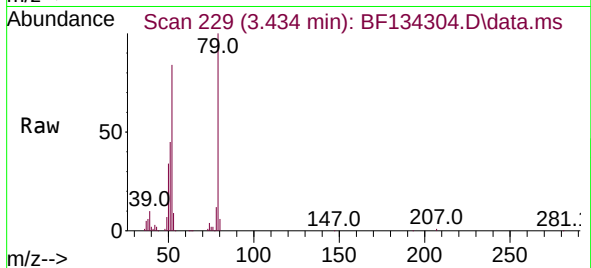
Tgt Ion: 88 Resp: 71951
Ion Ratio Lower Upper
88 100
58 83.0 68.8 103.2
43 39.4 30.7 46.1





#3
Pyridine
Concen: 37.341 ng
RT: 3.434 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

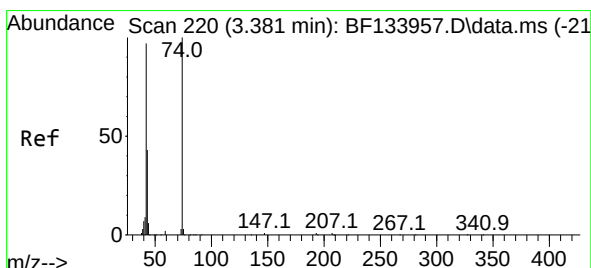
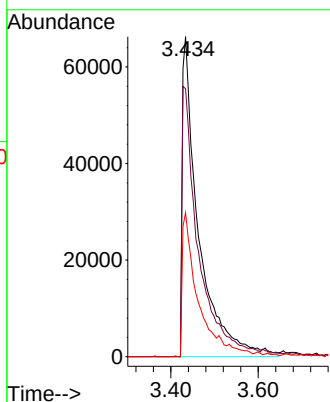
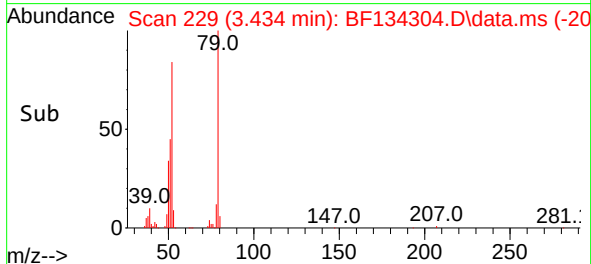
Instrument :
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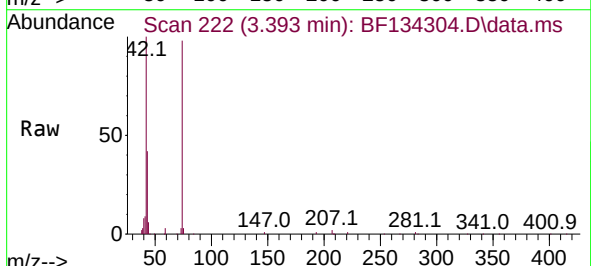
Tgt Ion: 79 Resp: 17089
Ion Ratio Lower Upper
79 100
52 83.7 71.1 106.7
51 45.0 35.2 52.8

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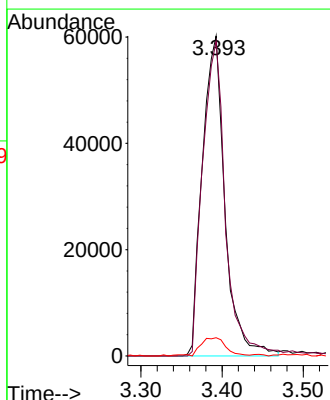
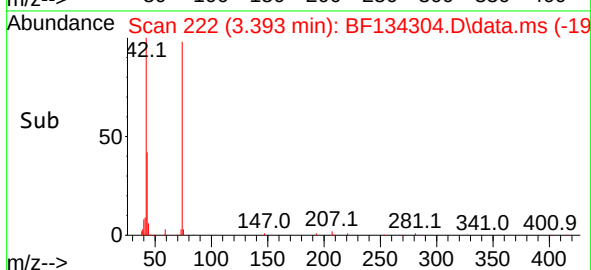
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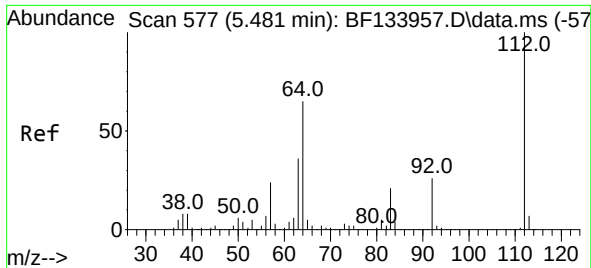


#4
n-Nitrosodimethylamine
Concen: 44.561 ng
RT: 3.393 min Scan# 222
Delta R.T. 0.053 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion: 42 Resp: 116479
Ion Ratio Lower Upper
42 100
74 98.3 82.4 123.6
44 5.7 4.9 7.3





#5
2-Fluorophenol
Concen: 107.361 ng
RT: 5.481 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

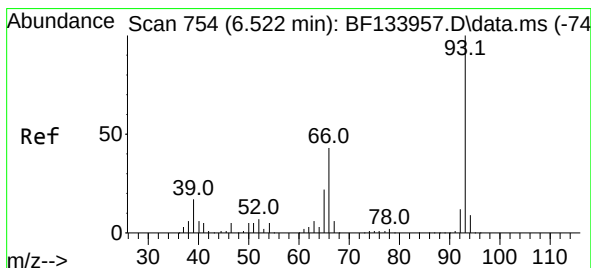
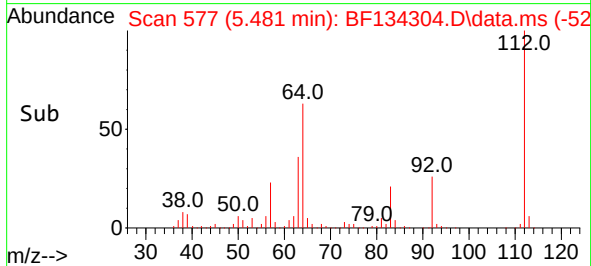
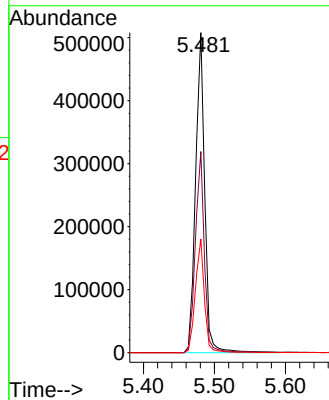
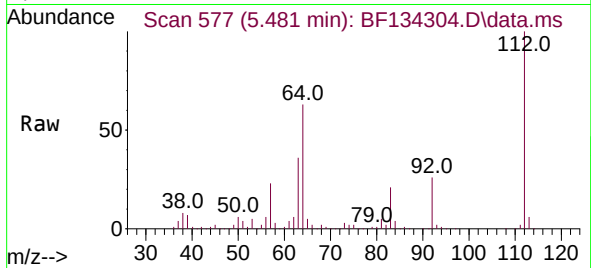
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Tgt Ion:112 Resp: 457494
Ion Ratio Lower Upper
112 100
64 62.8 52.1 78.1
63 35.5 28.6 42.8

Manual Integrations

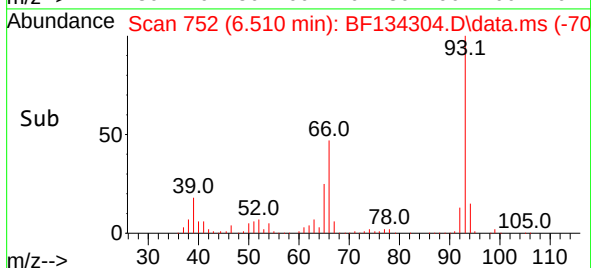
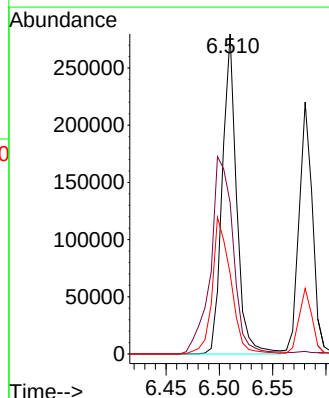
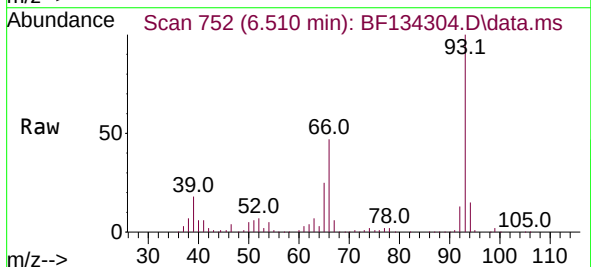
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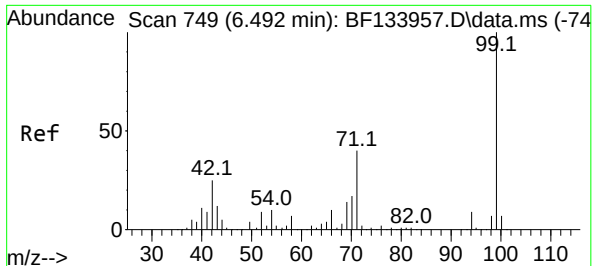
Reviewed By :Jagrut Upadhyay 07/15/2023
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#6
Aniline
Concen: 40.863 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

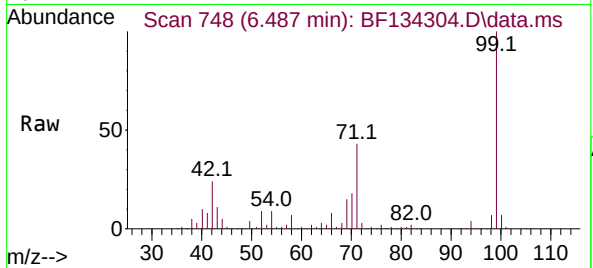
Tgt Ion: 93 Resp: 260585
Ion Ratio Lower Upper
93 100
66 47.3 34.5 51.7
65 25.1 17.8 26.6





#7
Phenol-d6
Concen: 103.522 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

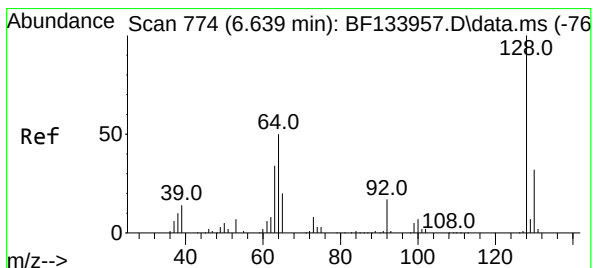
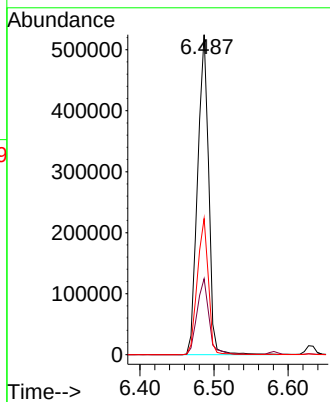
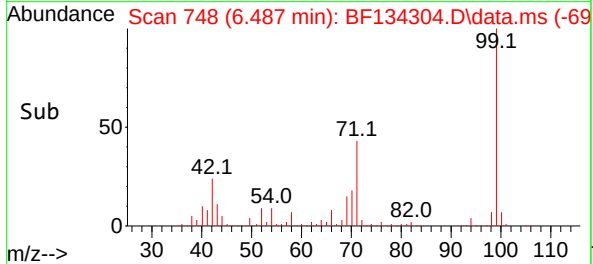
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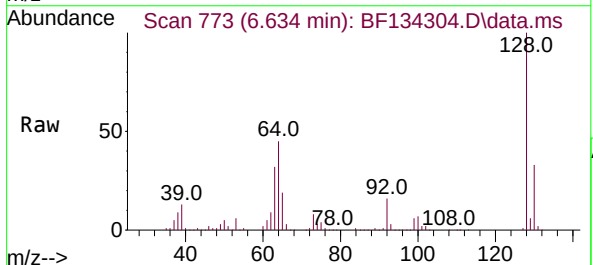
Tgt Ion: 99 Resp: 542509
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 42.5 31.9 47.9

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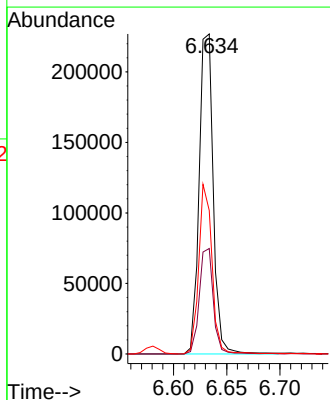
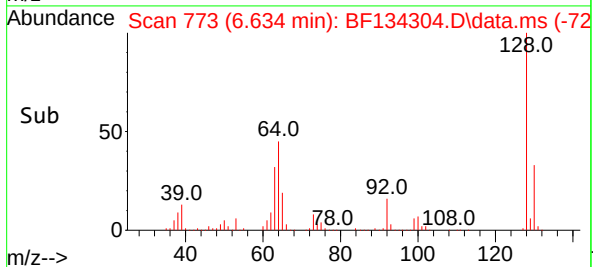
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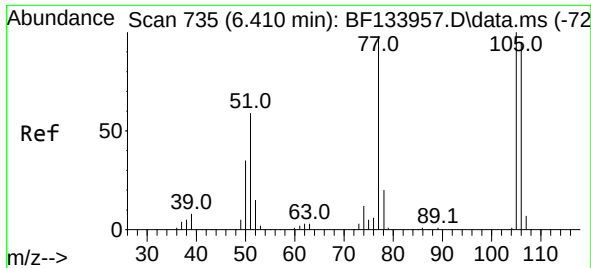


#8
2-Chlorophenol
Concen: 48.608 ng
RT: 6.634 min Scan# 773
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:128 Resp: 210265
Ion Ratio Lower Upper
128 100
130 33.0 11.7 51.7
64 44.9 31.3 71.3





#9

Benzaldehyde

Concen: 50.338 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF134304.D

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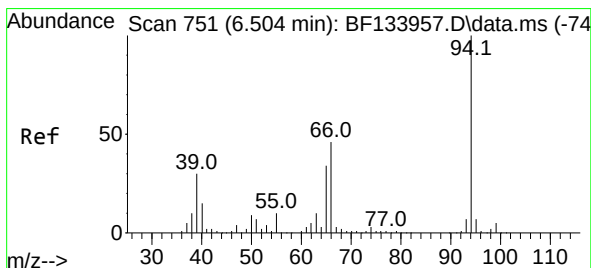
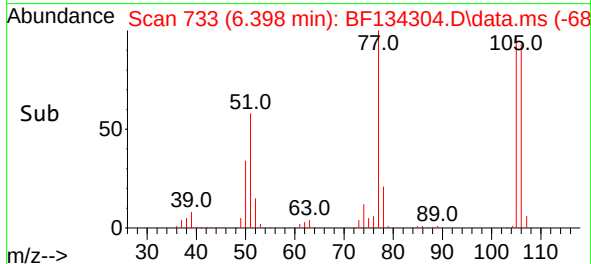
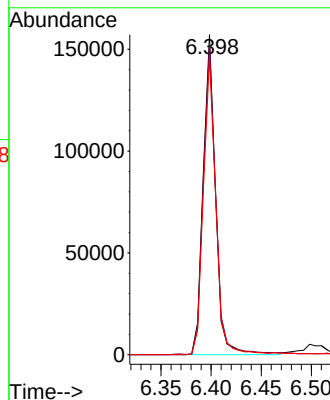
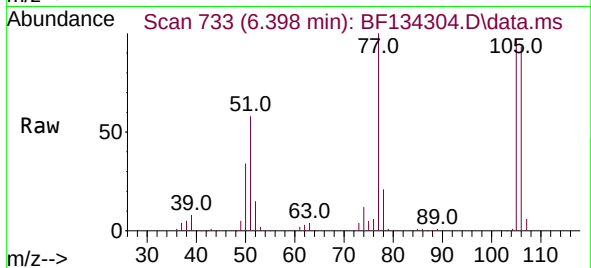
Tgt Ion: 77 Resp: 135310

Ion	Ratio	Lower	Upper
77	100		
105	97.4	82.0	122.0
106	92.7	76.9	116.9

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#10

Phenol

Concen: 46.482 ng

RT: 6.498 min Scan# 750

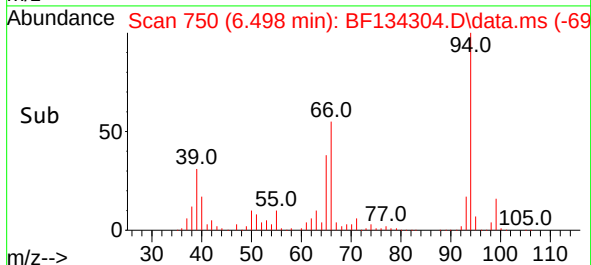
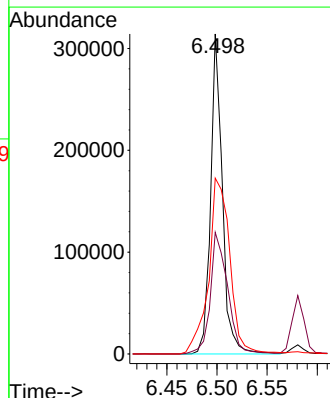
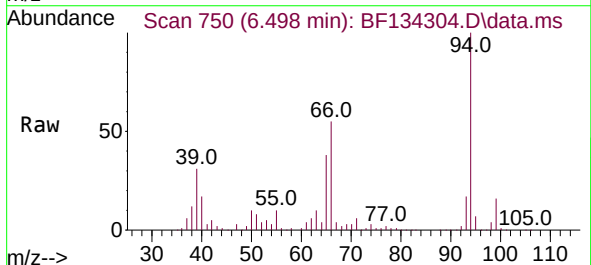
Delta R.T. 0.000 min

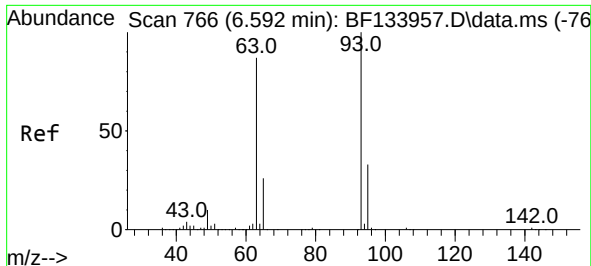
Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Tgt Ion: 94 Resp: 256116

Ion	Ratio	Lower	Upper
94	100		
65	38.0	14.2	54.2
66	54.9	26.4	66.4





#11

bis(2-Chloroethyl)ether

Concen: 46.428 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion: 93 Resp: 188338

Ion Ratio Lower Upper

93 100

63 84.1 66.5 106.5

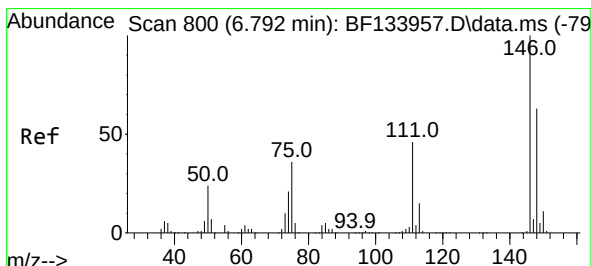
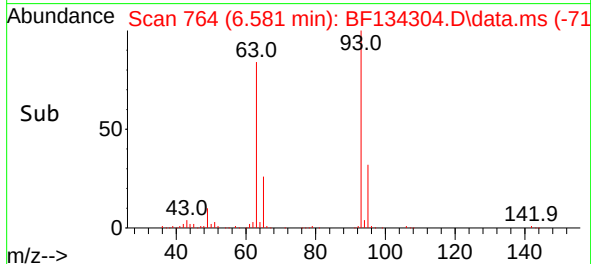
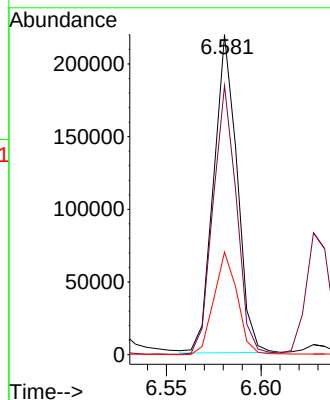
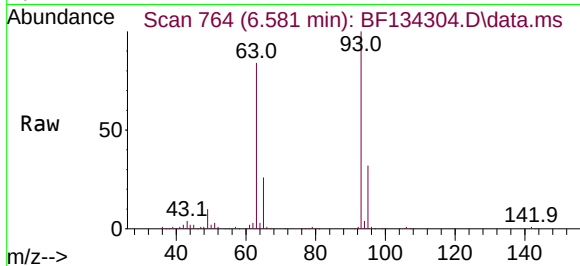
95 32.1 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023

Supervised By :mohammad ahmed 07/19/2023



#12

1,3-Dichlorobenzene

Concen: 50.237 ng

RT: 6.786 min Scan# 799

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

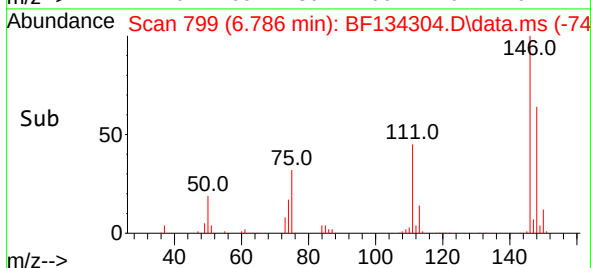
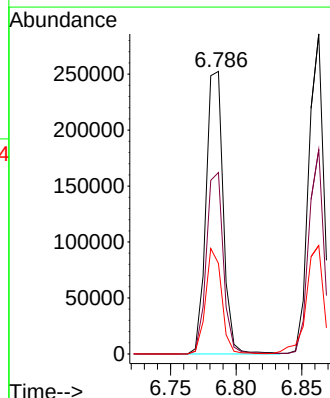
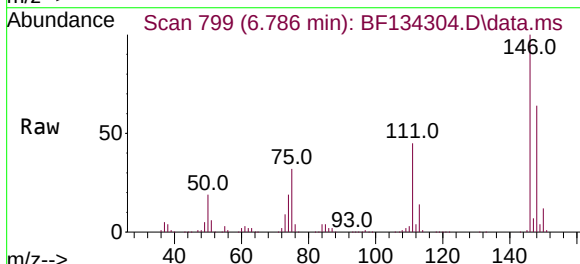
Tgt Ion:146 Resp: 231676

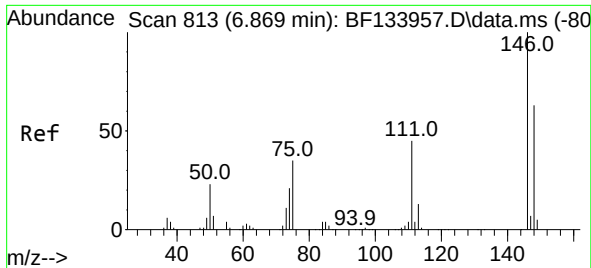
Ion Ratio Lower Upper

146 100

148 64.2 50.5 75.7

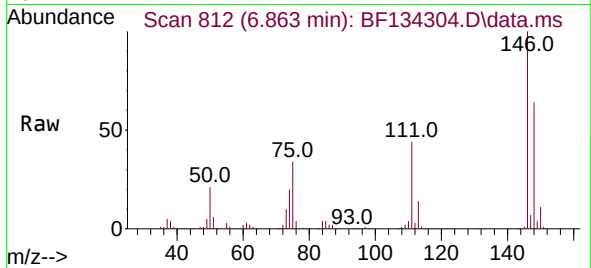
75 32.0 29.0 43.6





#13
1,4-Dichlorobenzene
Concen: 49.815 ng
RT: 6.863 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

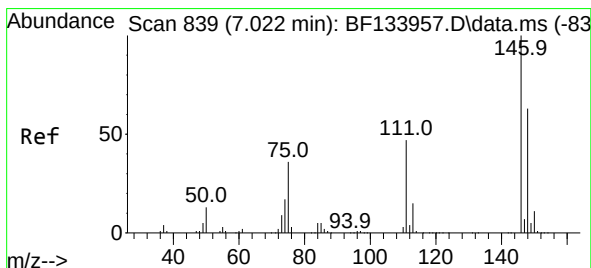
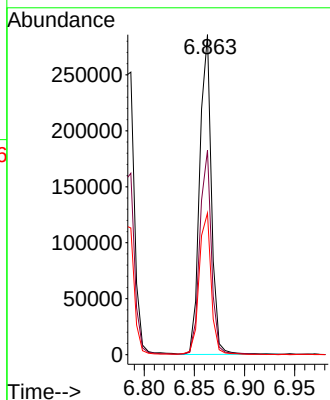
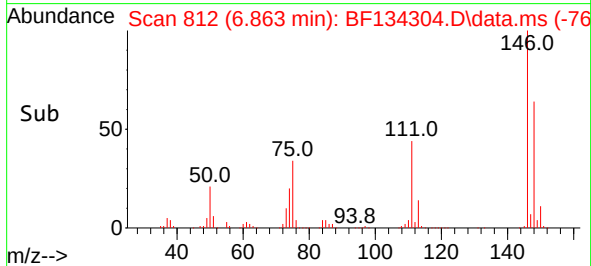
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS



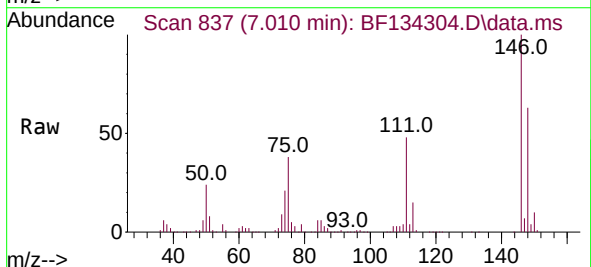
Tgt Ion:146 Resp: 23204
Ion Ratio Lower Upper
146 100
148 63.8 50.2 75.2
111 44.2 35.8 53.6

Manual Integrations
APPROVED

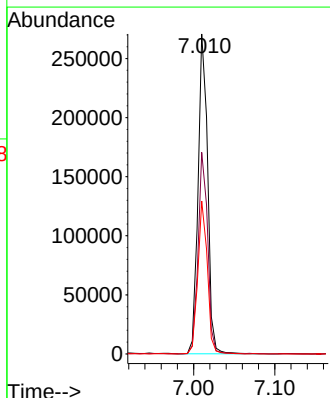
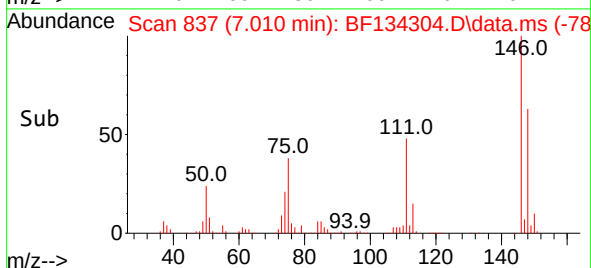
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

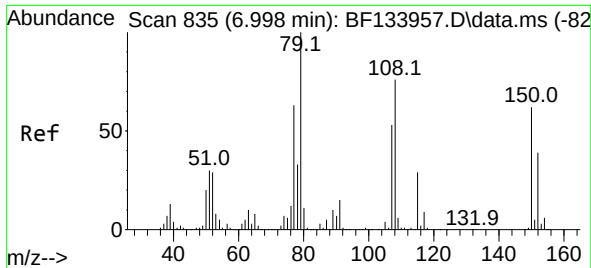


#14
1,2-Dichlorobenzene
Concen: 50.918 ng
RT: 7.010 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:146 Resp: 222127
Ion Ratio Lower Upper
146 100
148 63.0 50.6 76.0
111 47.8 38.0 57.0





#15
Benzyl Alcohol
Concen: 48.612 ng
RT: 6.986 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

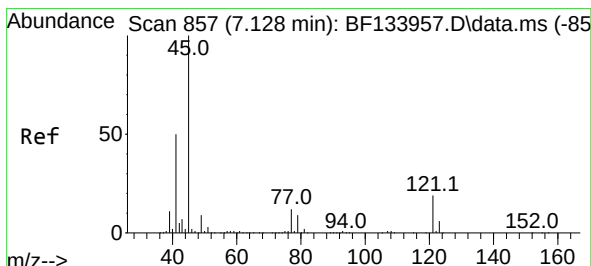
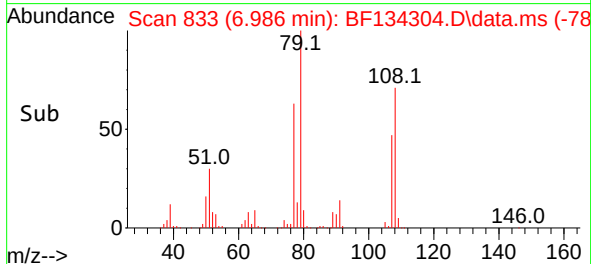
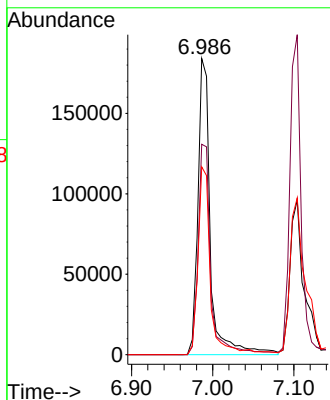
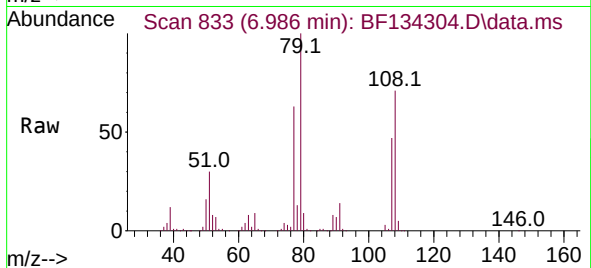
SOIL-PILEMS

Tgt Ion: 79 Resp: 196390
Ion Ratio Lower Upper
79 100
108 71.0 60.7 91.1
77 63.4 50.6 75.8

Manual Integrations

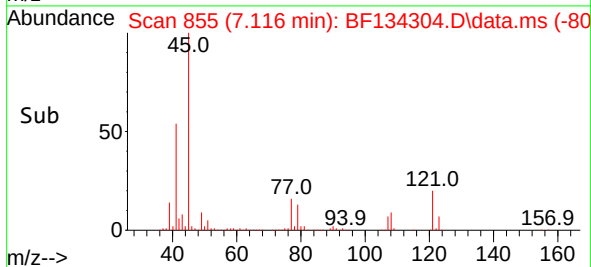
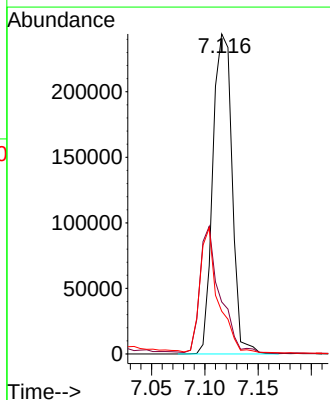
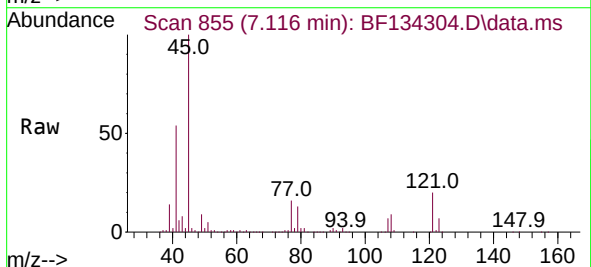
APPROVED

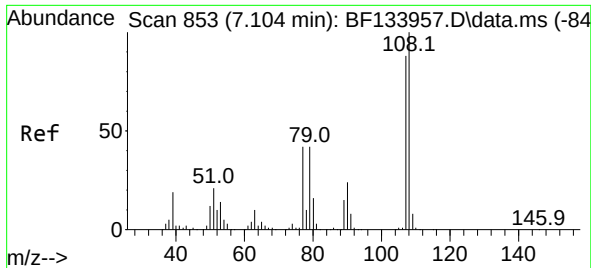
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.730 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion: 45 Resp: 306653
Ion Ratio Lower Upper
45 100
77 16.2 0.0 32.9
79 13.4 0.0 29.5





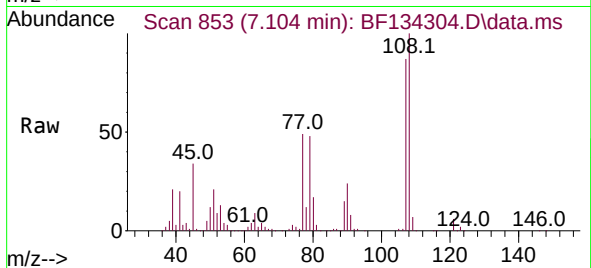
#17
2-Methylphenol
Concen: 44.322 ng
RT: 7.104 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

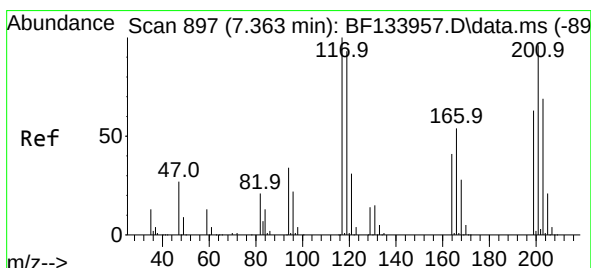
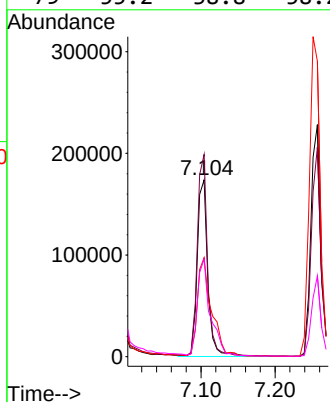
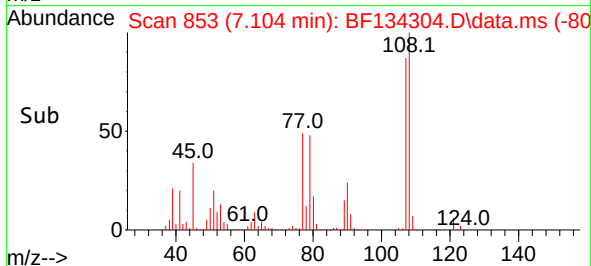


Tgt Ion:107 Resp: 17168
Ion Ratio Lower Upper
107 100
108 114.3 90.6 136.0
77 56.0 38.3 57.5
79 55.2 38.8 58.2

Manual Integrations

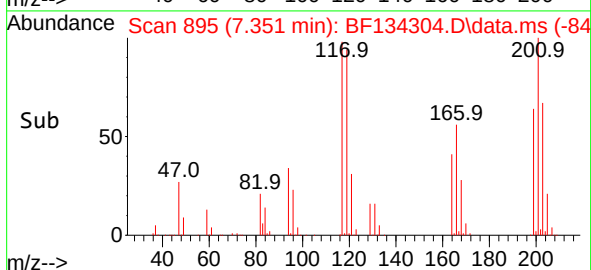
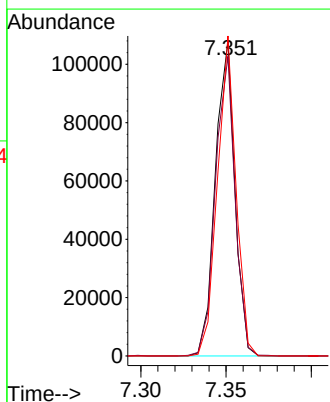
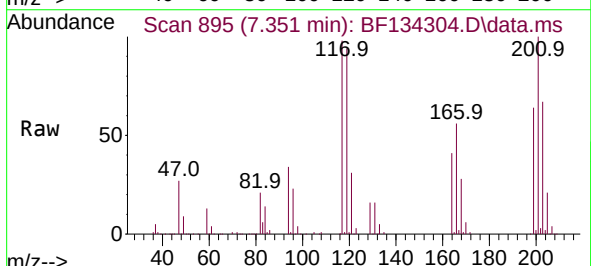
APPROVED

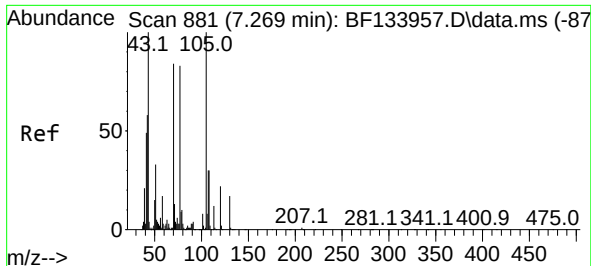
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#18
Hexachloroethane
Concen: 49.764 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:117 Resp: 85949
Ion Ratio Lower Upper
117 100
119 95.2 74.2 111.4
201 101.6 77.2 115.8





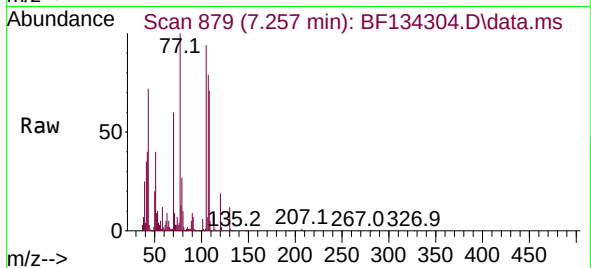
#19
n-Nitroso-di-n-propylamine
Concen: 46.504 ng
RT: 7.257 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

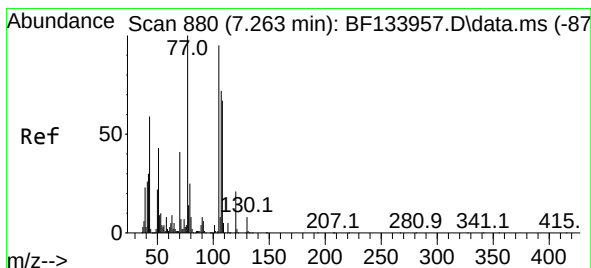
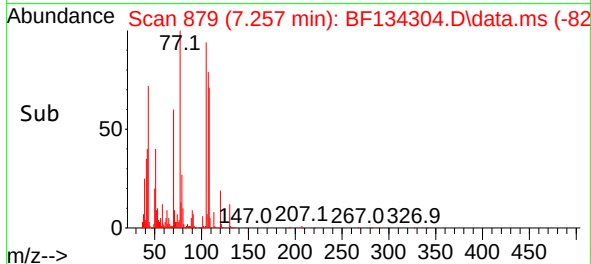
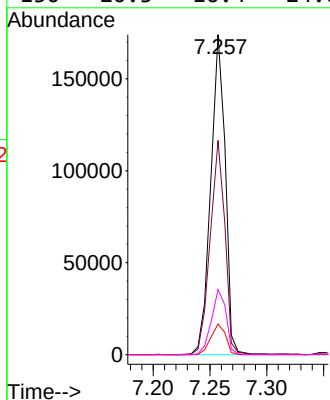


Tgt Ion: 70 Resp: 15454
Ion Ratio Lower Upper
70 100
42 66.9 54.7 82.1
101 9.6 7.7 11.5
130 20.3 16.4 24.6

Manual Integrations

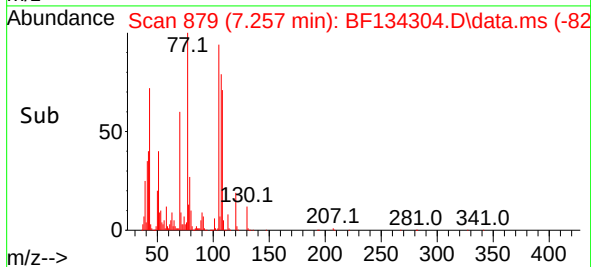
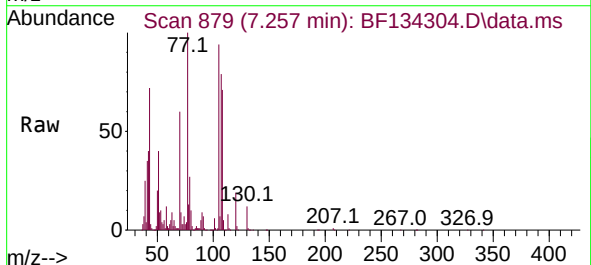
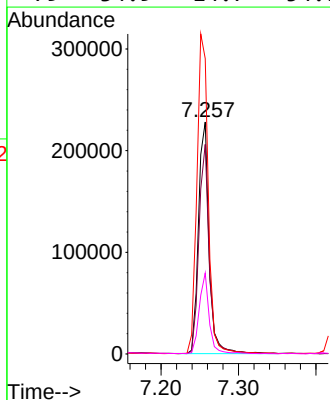
APPROVED

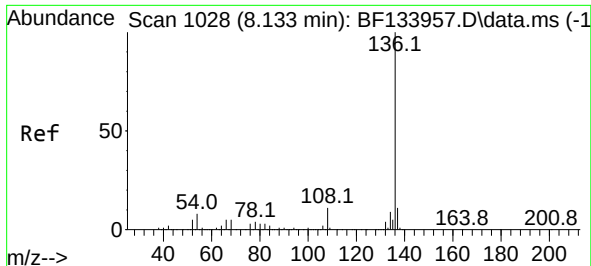
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#20
3+4-Methylphenols
Concen: 46.233 ng
RT: 7.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:107 Resp: 217260
Ion Ratio Lower Upper
107 100
108 90.4 73.2 113.2
77 127.3 118.3 158.3
79 34.9 14.7 54.7





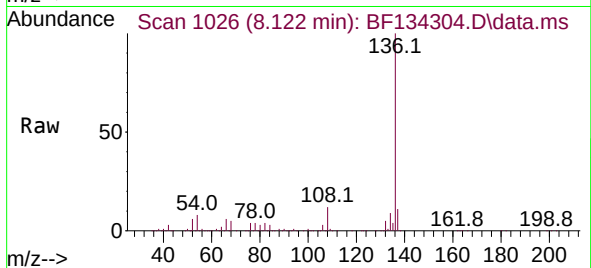
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

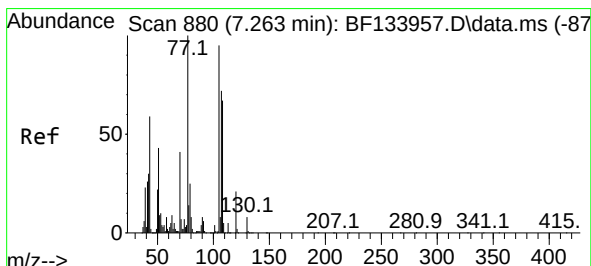
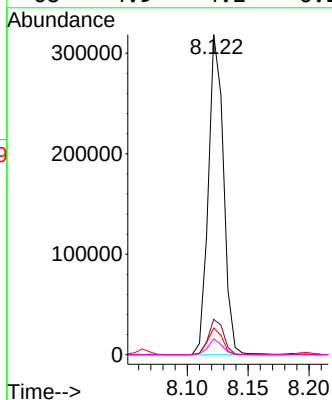
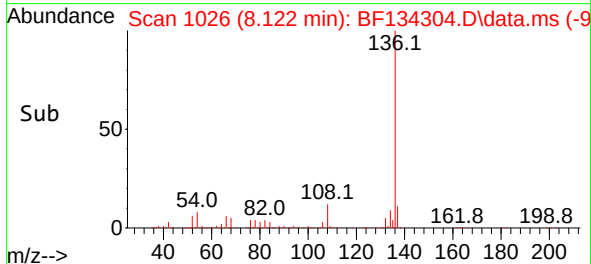


Tgt Ion:136 Resp: 276063
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.4 6.5 9.7
68 4.9 4.2 6.2

Manual Integrations

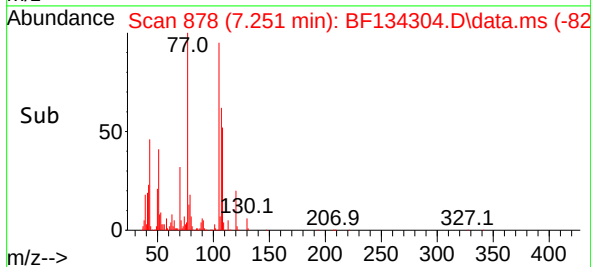
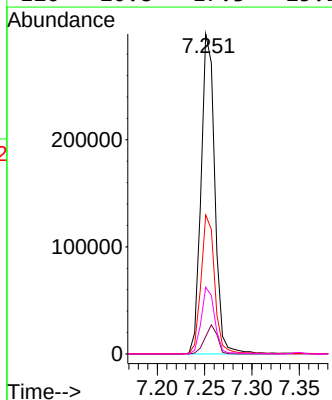
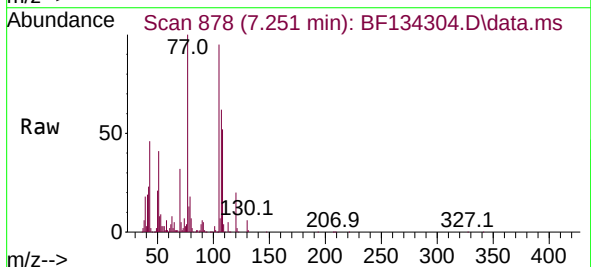
APPROVED

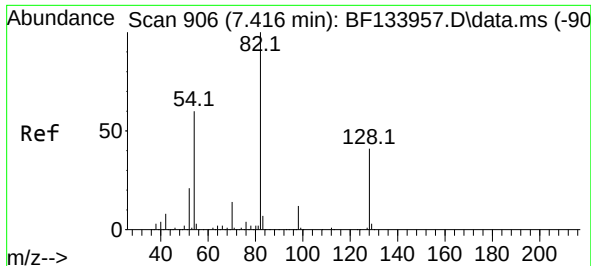
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#22
Acetophenone
Concen: 48.350 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:105 Resp: 303558
Ion Ratio Lower Upper
105 100
71 5.4 5.5 8.3#
51 43.4 36.5 54.7
120 20.8 17.3 25.9





#23

Nitrobenzene-d5

Concen: 74.326 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion: 82 Resp: 380638

Ion Ratio Lower Upper

82 100

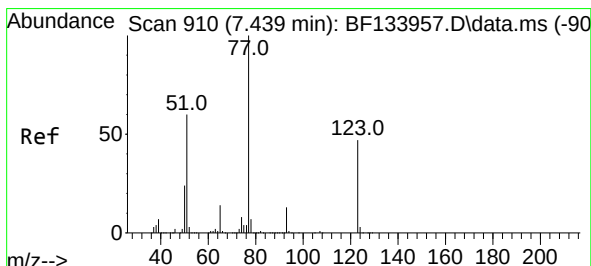
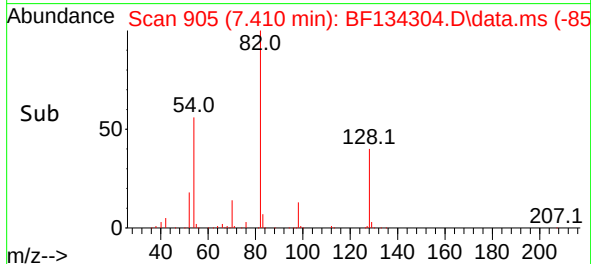
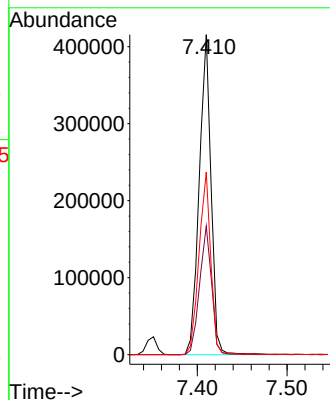
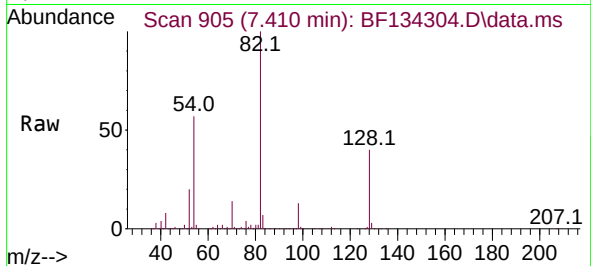
128 40.2 32.5 48.7

54 57.1 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#24

Nitrobenzene

Concen: 45.452 ng

RT: 7.428 min Scan# 908

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

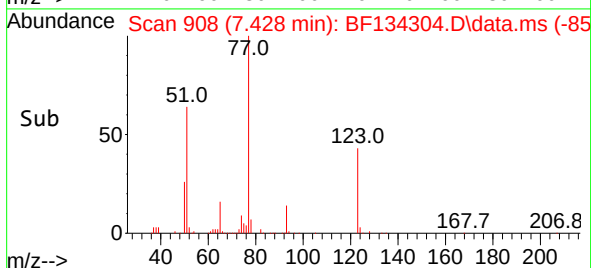
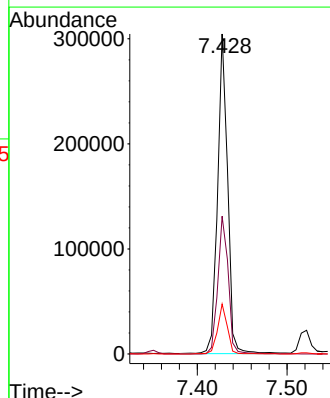
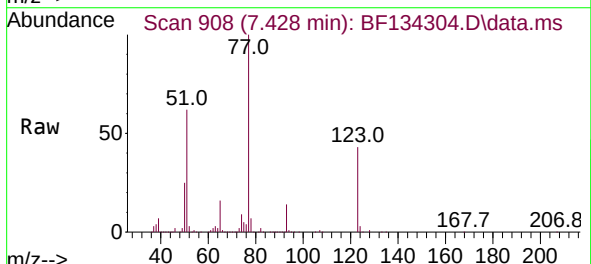
Tgt Ion: 77 Resp: 235221

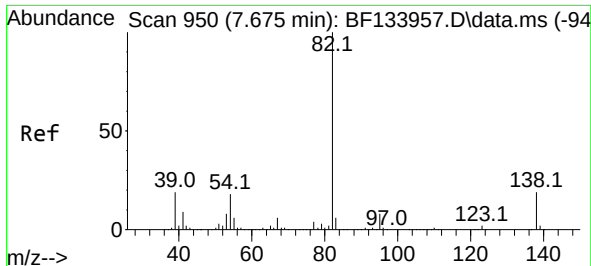
Ion Ratio Lower Upper

77 100

123 43.0 37.8 56.6

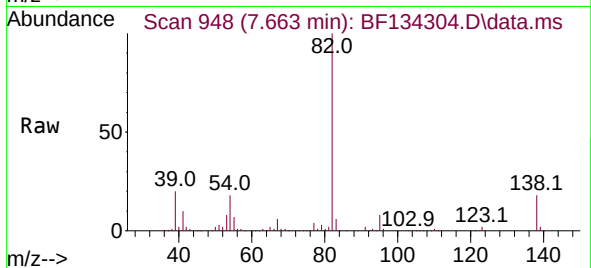
65 15.6 11.3 16.9





#25
Isophorone
Concen: 44.232 ng
RT: 7.663 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

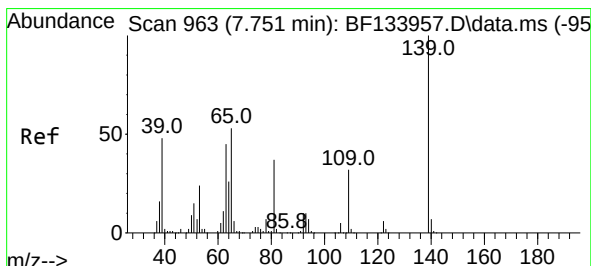
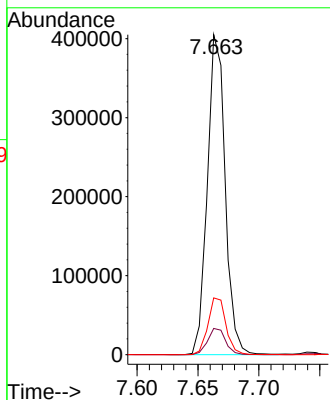
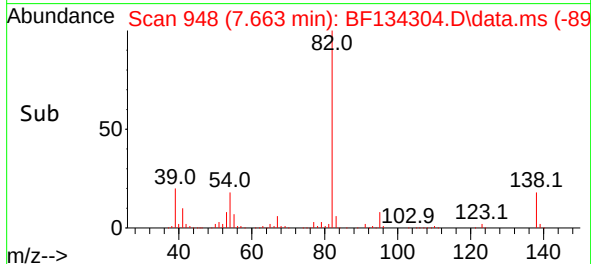
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS



Tgt Ion: 82 Resp: 411680
Ion Ratio Lower Upper
82 100
95 8.2 6.1 9.1
138 17.8 15.2 22.8

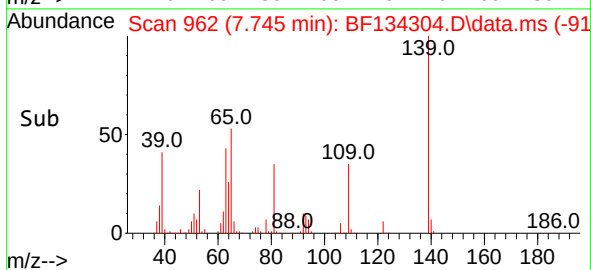
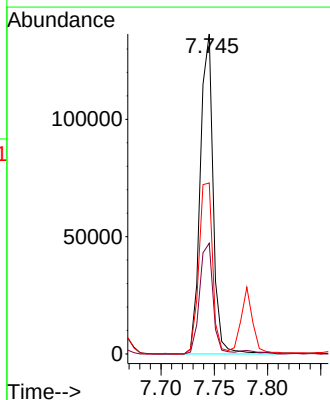
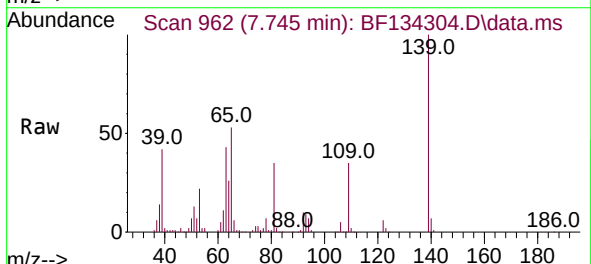
Manual Integrations
APPROVED

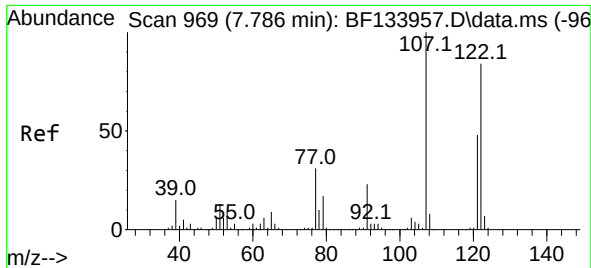
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#26
2-Nitrophenol
Concen: 46.573 ng
RT: 7.745 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:139 Resp: 115622
Ion Ratio Lower Upper
139 100
109 34.6 25.8 38.8
65 53.4 42.4 63.6





#27
2,4-Dimethylphenol
Concen: 45.914 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

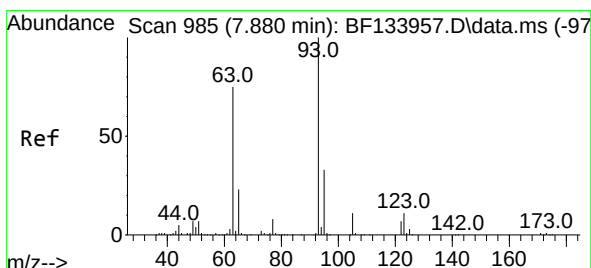
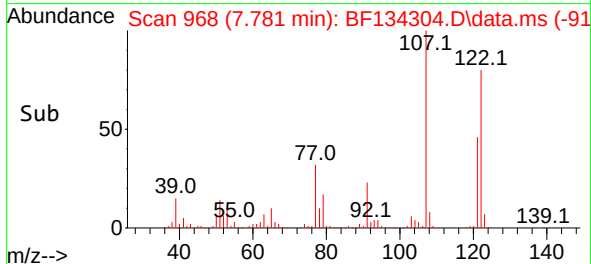
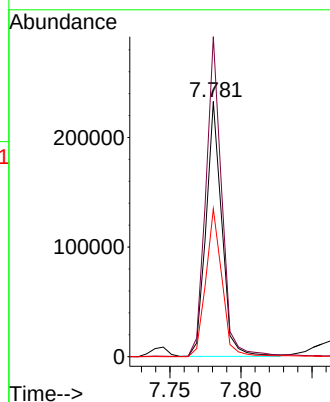
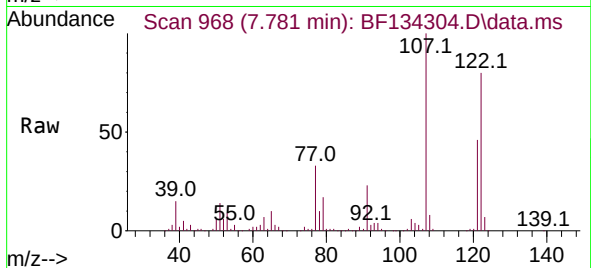
SOIL-PILEMS

Tgt Ion:122 Resp: 18043
Ion Ratio Lower Upper
122 100
107 125.4 95.5 143.3
121 57.9 45.5 68.3

Manual Integrations

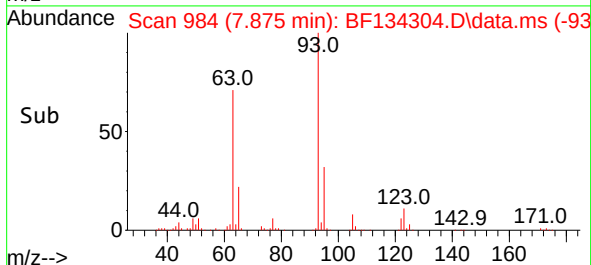
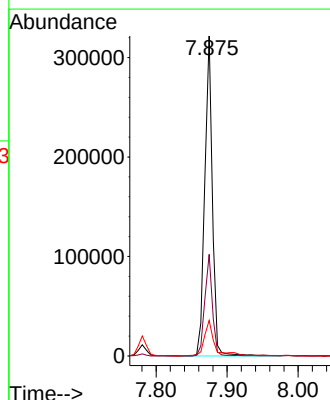
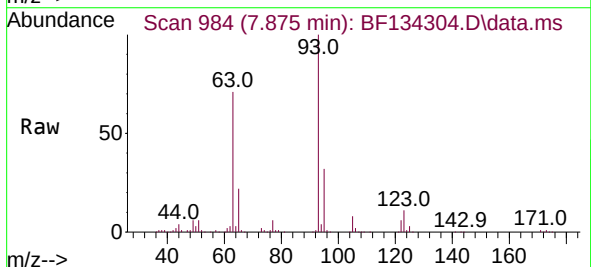
APPROVED

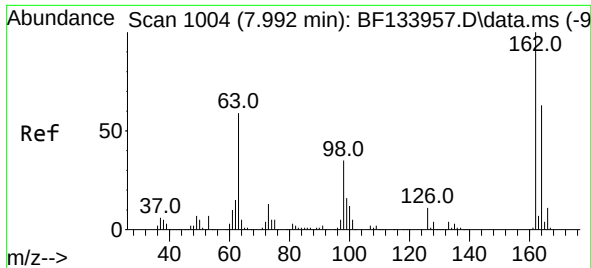
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#28
bis(2-Chloroethoxy)methane
Concen: 44.842 ng
RT: 7.875 min Scan# 984
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion: 93 Resp: 241669
Ion Ratio Lower Upper
93 100
95 31.8 26.5 39.7
123 11.1 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 44.997 ng

RT: 7.986 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

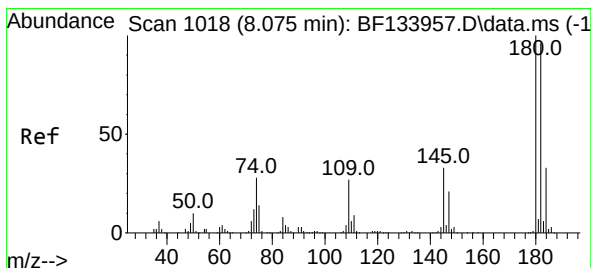
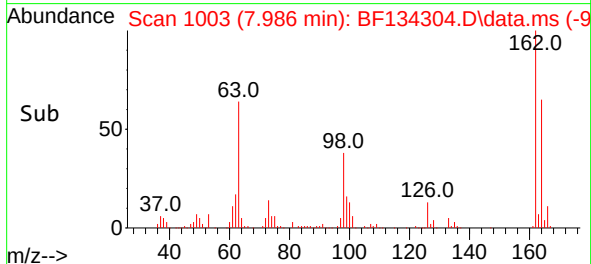
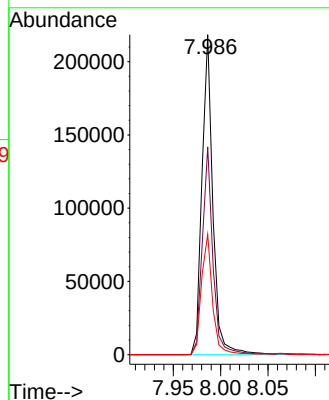
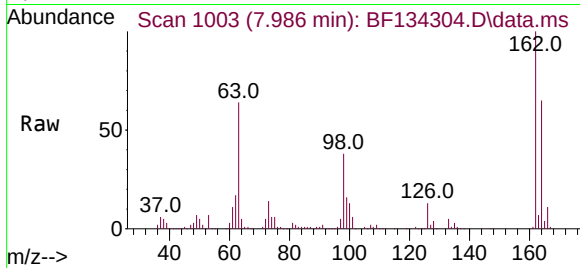
Tgt Ion:162 Resp: 175344

Ion	Ratio	Lower	Upper
162	100		
164	64.9	43.2	83.2
98	37.6	14.9	54.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#30

1,2,4-Trichlorobenzene

Concen: 48.525 ng

RT: 8.063 min Scan# 1016

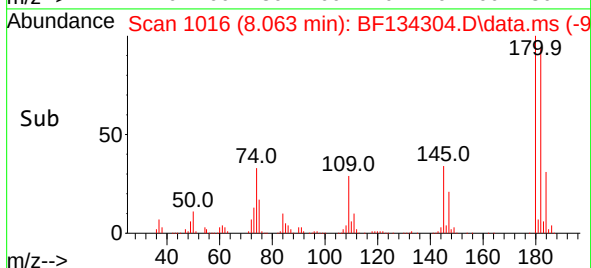
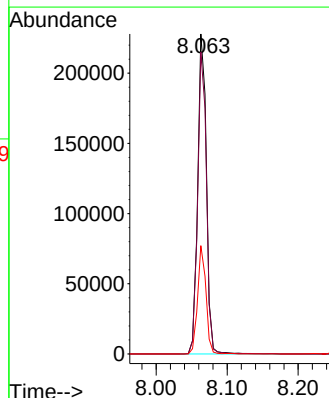
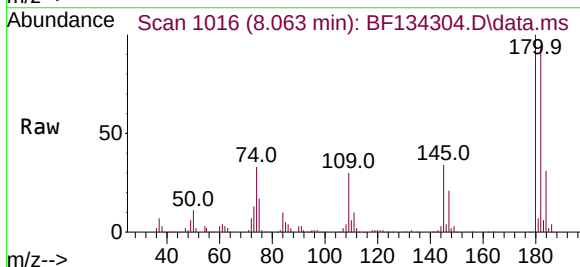
Delta R.T. -0.000 min

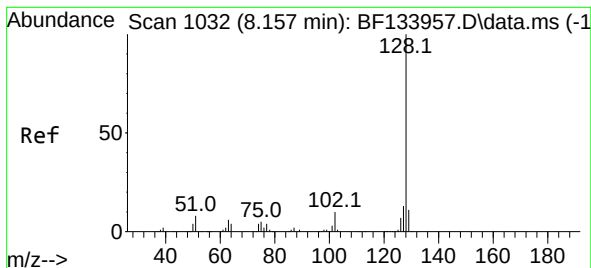
Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Tgt Ion:180 Resp: 195114

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.1	115.7
145	33.8	26.0	39.0





#31

Naphthalene

Concen: 44.987 ng

RT: 8.145 min Scan# 1032

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion:128 Resp: 599880

Ion Ratio Lower Upper

128 100

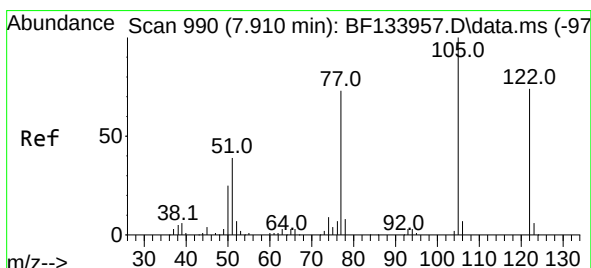
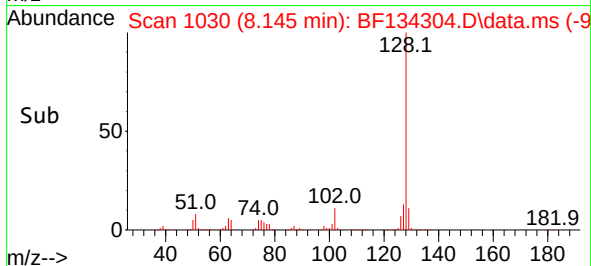
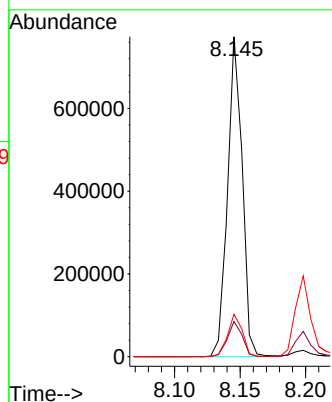
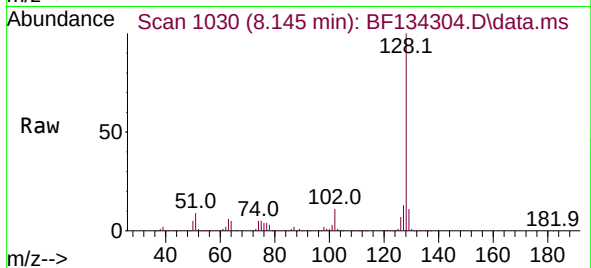
129 11.0 8.7 13.1

127 13.2 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#32

Benzoic acid

Concen: 42.067 ng m

RT: 7.910 min Scan# 990

Delta R.T. 0.006 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

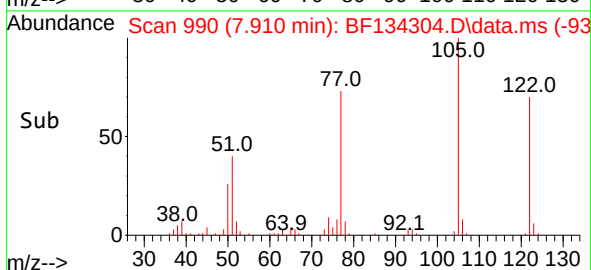
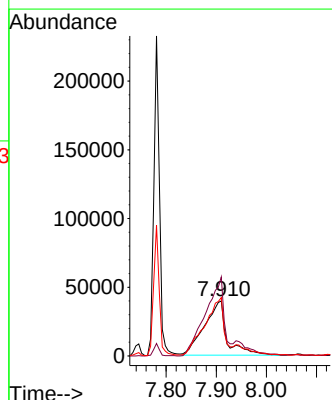
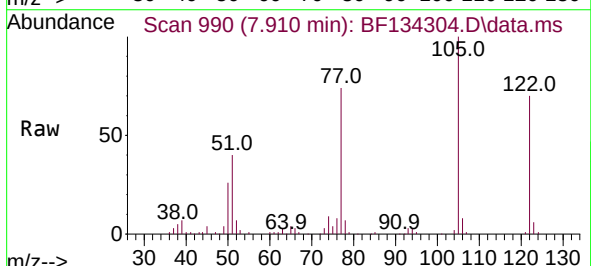
Tgt Ion:122 Resp: 123875

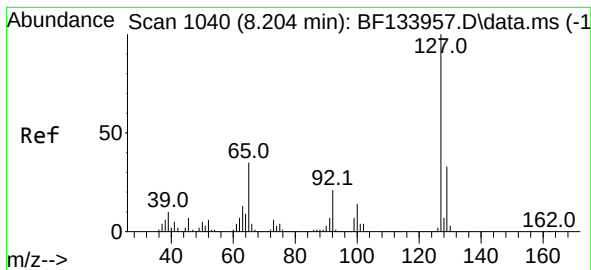
Ion Ratio Lower Upper

122 100

105 143.5 109.7 149.7

77 106.1 76.0 116.0





#33
4-Chloroaniline
Concen: 30.741 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

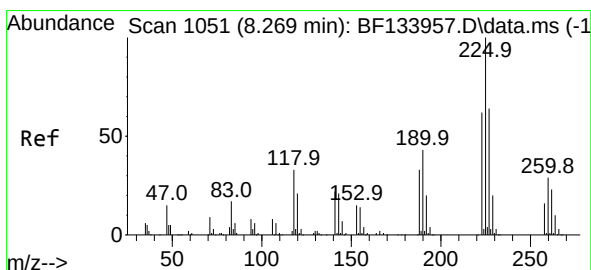
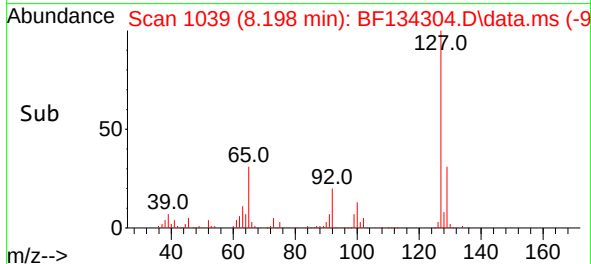
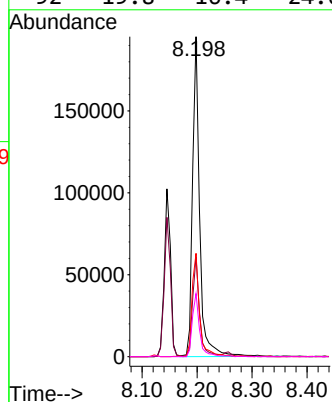
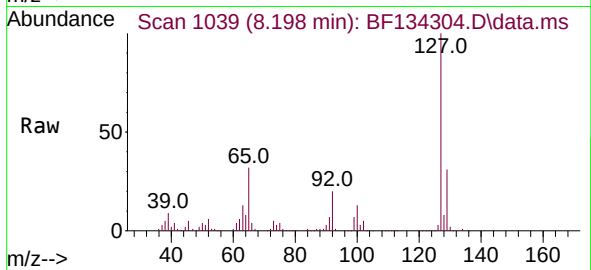
SOIL-PILEMS

Tgt Ion:127 Resp: 175348
Ion Ratio Lower Upper
127 100
129 31.2 26.4 39.6
65 32.3 27.8 41.8
92 19.8 16.4 24.6

Manual Integrations

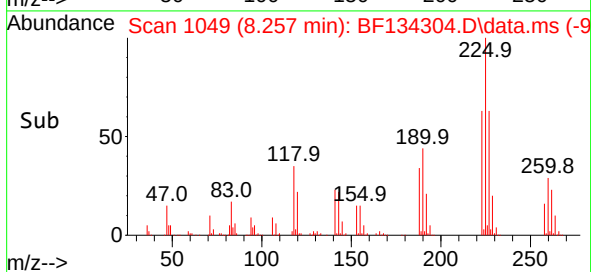
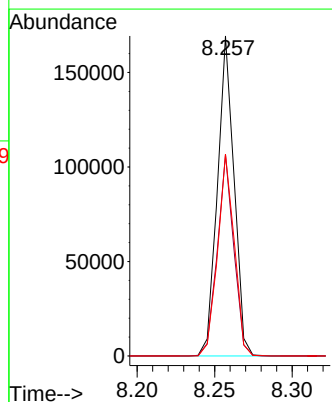
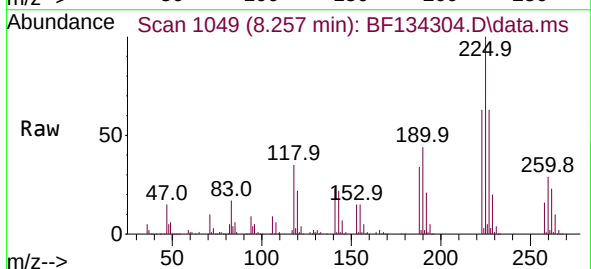
APPROVED

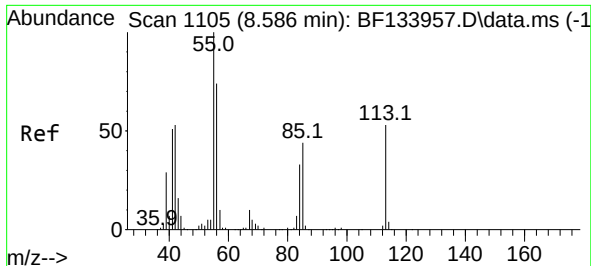
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#34
Hexachlorobutadiene
Concen: 49.758 ng
RT: 8.257 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:225 Resp: 126205
Ion Ratio Lower Upper
225 100
223 63.0 49.8 74.8
227 63.1 51.0 76.4





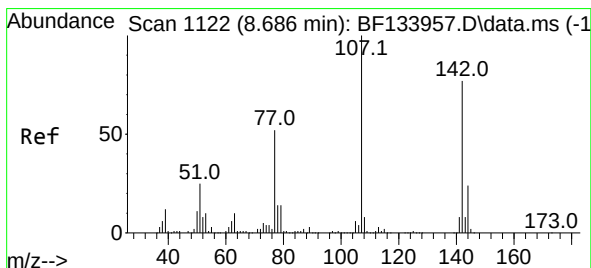
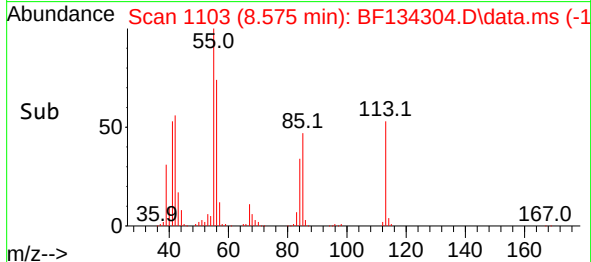
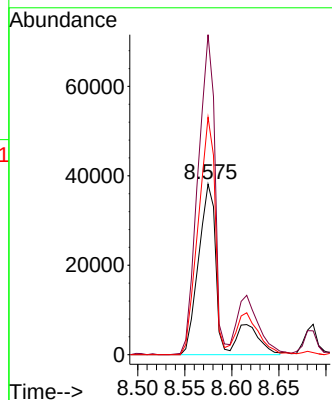
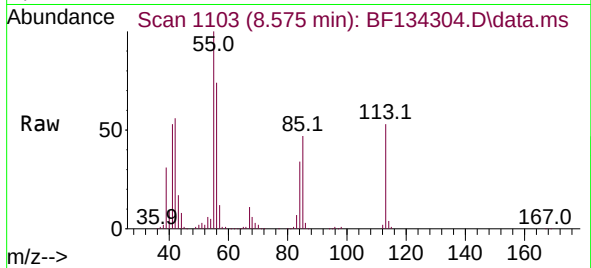
#35
Caprolactam
Concen: 45.761 ng m
RT: 8.575 min Scan# 1105
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

Tgt Ion:113 Resp: 58715
Ion Ratio Lower Upper
113 100
55 187.6 170.2 210.2
56 139.2 121.4 161.4

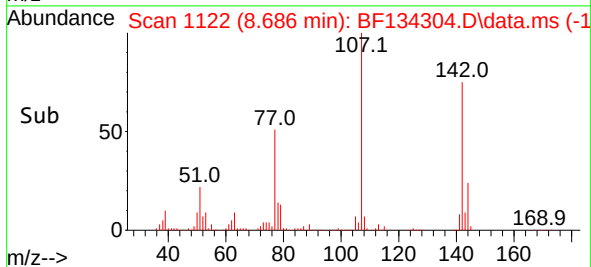
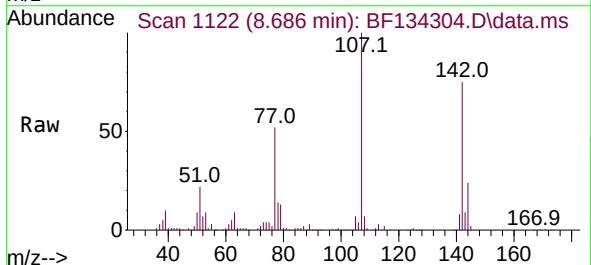
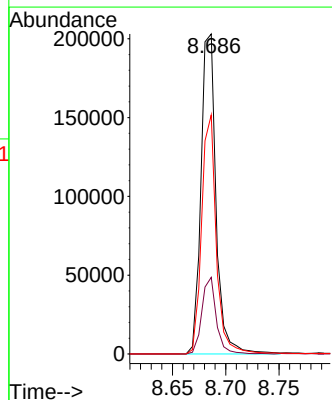
Manual Integrations
APPROVED

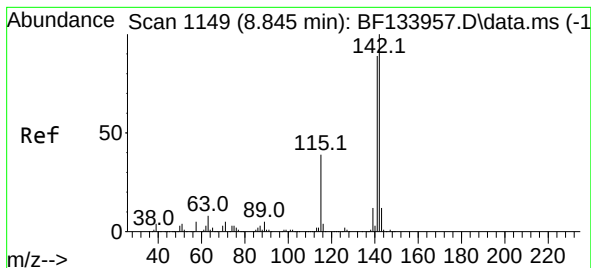
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#36
4-Chloro-3-methylphenol
Concen: 46.103 ng
RT: 8.686 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:107 Resp: 201823
Ion Ratio Lower Upper
107 100
144 24.0 19.6 29.4
142 74.7 61.4 92.2





#37
2-Methylnaphthalene
Concen: 42.541 ng
RT: 8.839 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

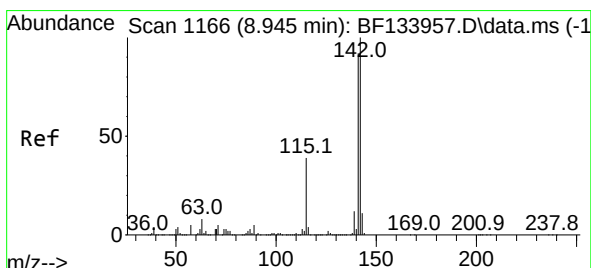
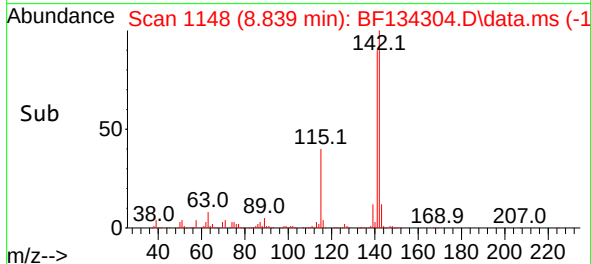
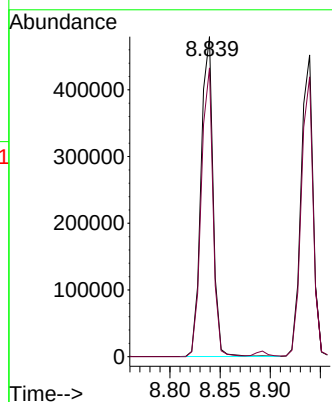
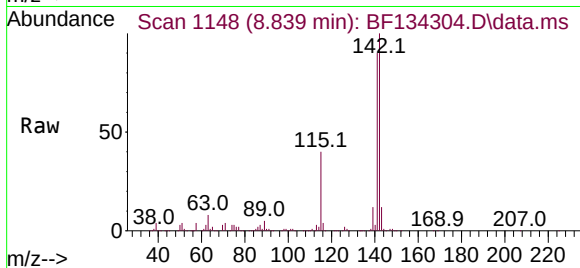
SOIL-PILEMS

Tgt Ion:142 Resp: 401149
Ion Ratio Lower Upper
142 100
141 90.3 71.0 106.4

Manual Integrations

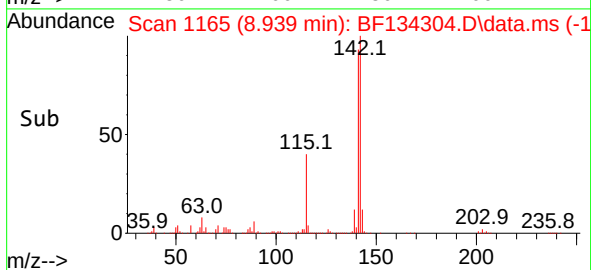
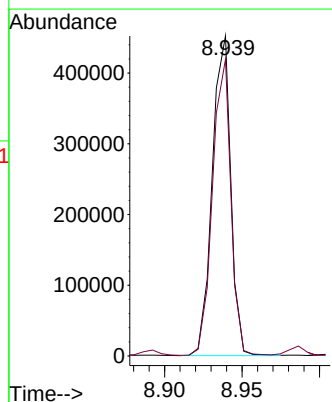
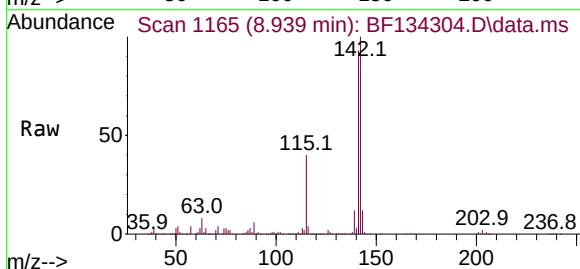
APPROVED

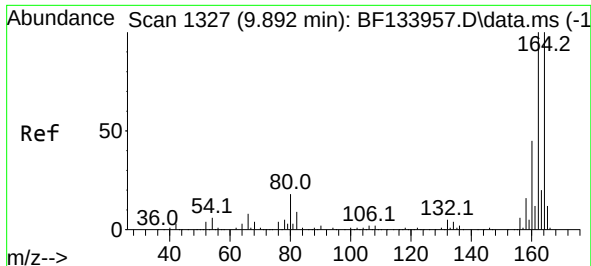
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#38
1-Methylnaphthalene
Concen: 42.810 ng
RT: 8.939 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:142 Resp: 375279
Ion Ratio Lower Upper
142 100
141 92.7 73.5 110.3





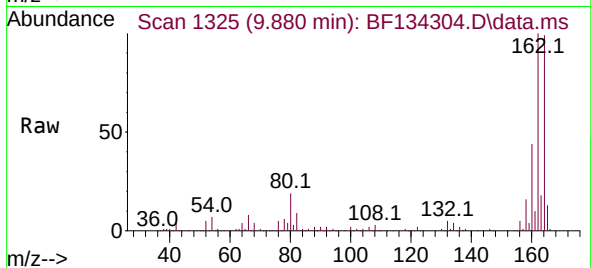
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

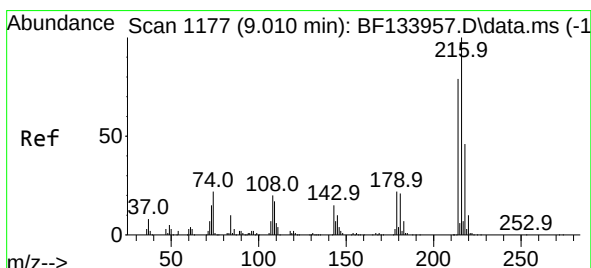
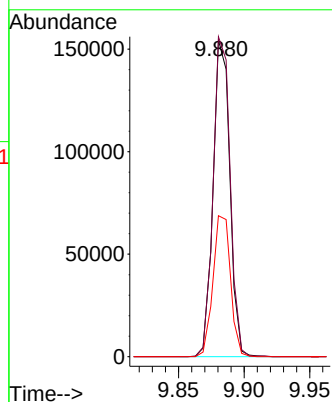
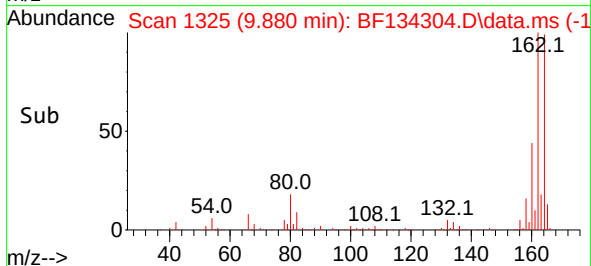


Tgt Ion:164 Resp: 136850
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 44.5 35.9 53.9

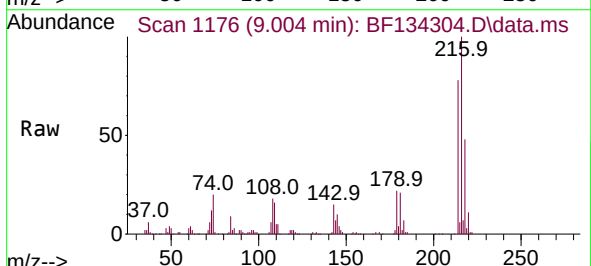
Manual Integrations

APPROVED

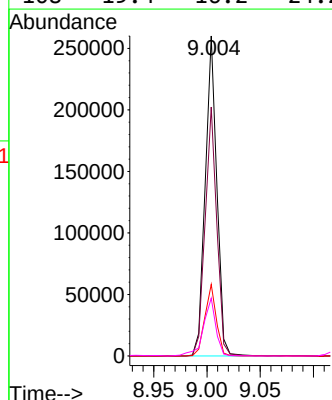
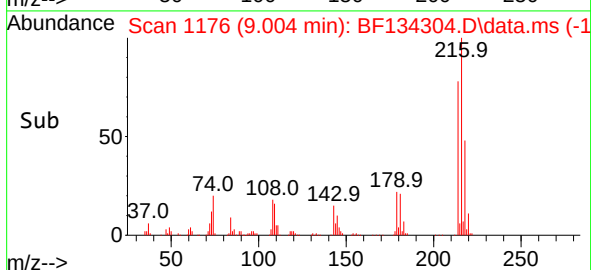
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

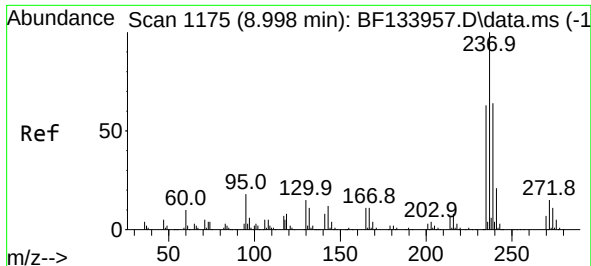


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.843 ng
RT: 9.004 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



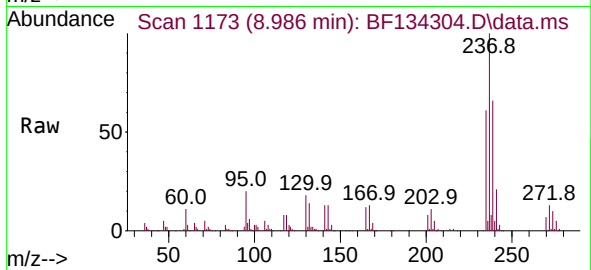
Tgt Ion:216 Resp: 198030
Ion Ratio Lower Upper
216 100
214 77.9 64.1 96.1
179 22.0 17.3 25.9
108 19.4 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 39.726 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

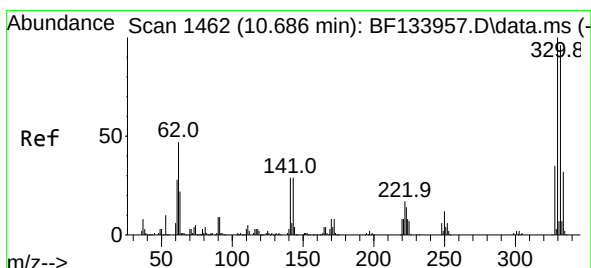
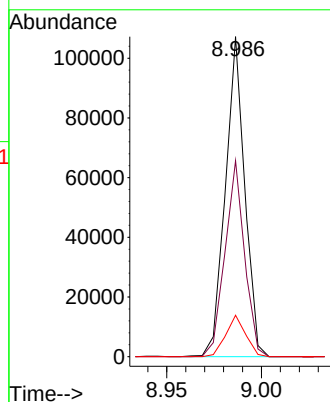
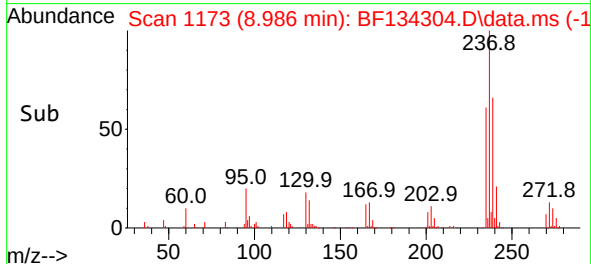
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS



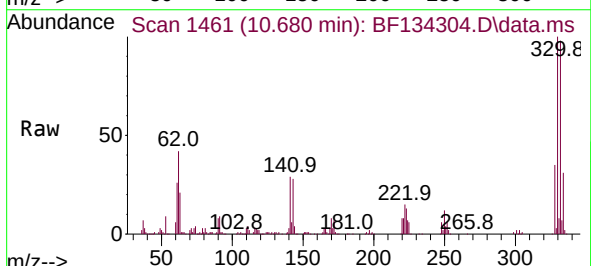
Tgt Ion: 237 Resp: 7641
Ion Ratio Lower Upper
237 100
235 61.3 42.8 82.8
272 13.0 0.0 34.6

Manual Integrations
APPROVED

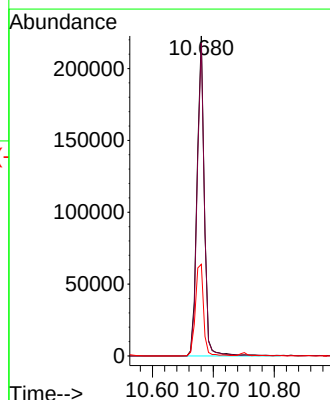
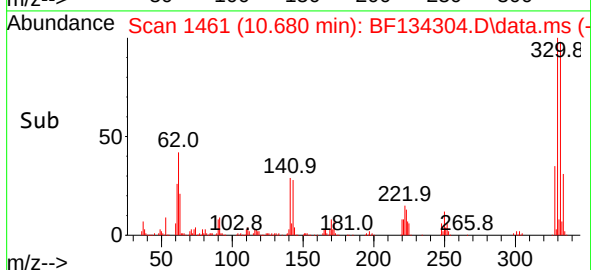
Reviewed By : Jagrut Upadhyay 07/15/2023
Supervised By : mohammad ahmed 07/19/2023

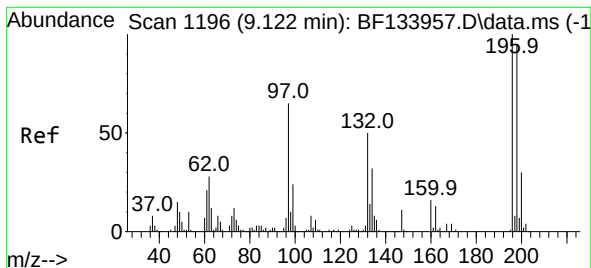


#42
2,4,6-Tribromophenol
Concen: 107.974 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion: 330 Resp: 185264
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 32.4 26.3 39.5





#43
2,4,6-Trichlorophenol
Concen: 46.294 ng
RT: 9.122 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

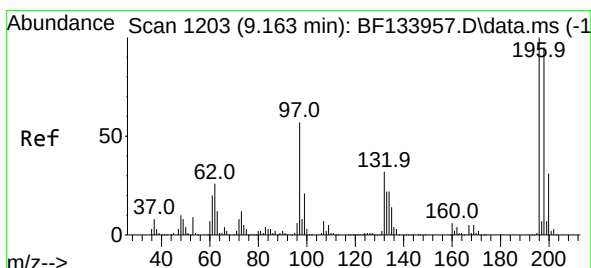
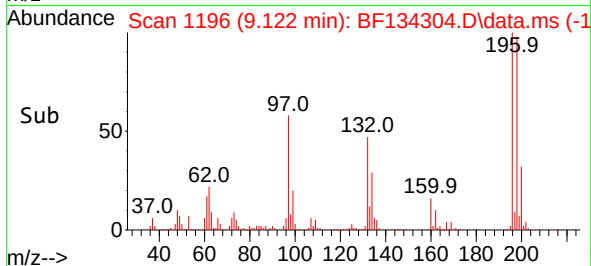
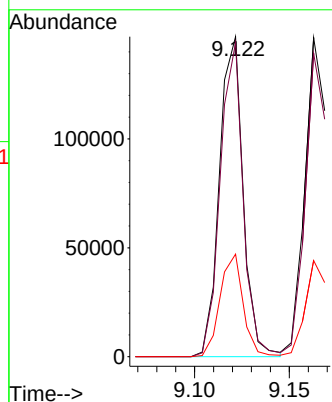
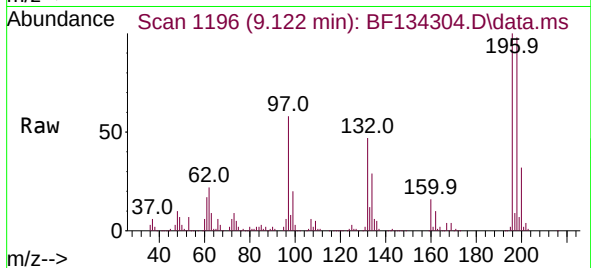
SOIL-PILEMS

Tgt Ion:196 Resp: 127772
Ion Ratio Lower Upper
196 100
198 98.2 75.6 113.4
200 32.1 24.4 36.6

Manual Integrations

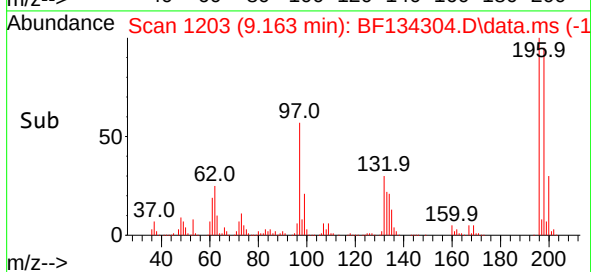
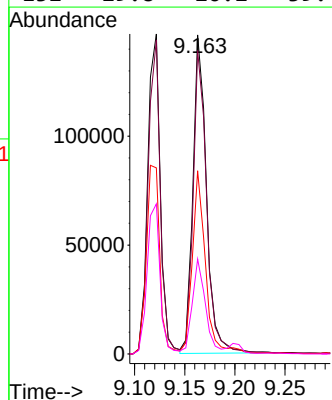
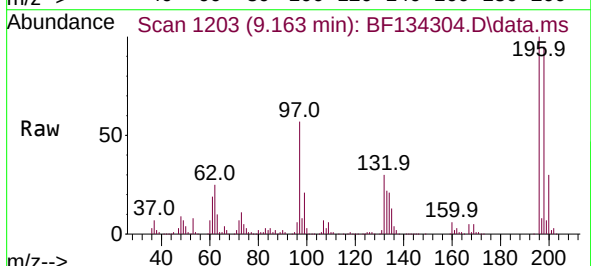
APPROVED

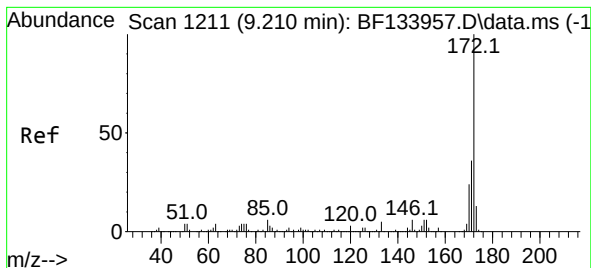
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#44
2,4,5-Trichlorophenol
Concen: 42.486 ng
RT: 9.163 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:196 Resp: 137933
Ion Ratio Lower Upper
196 100
198 95.1 75.7 113.5
97 57.4 45.8 68.6
132 29.8 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 74.258 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

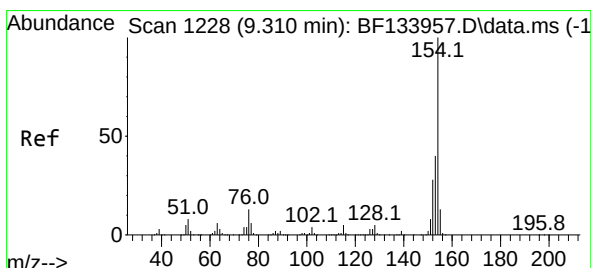
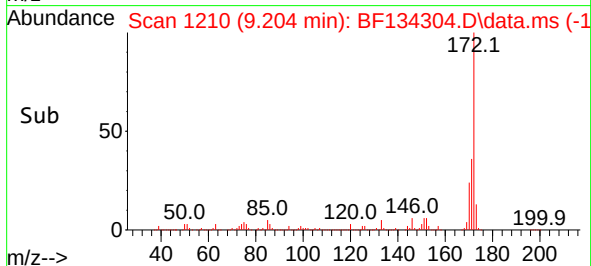
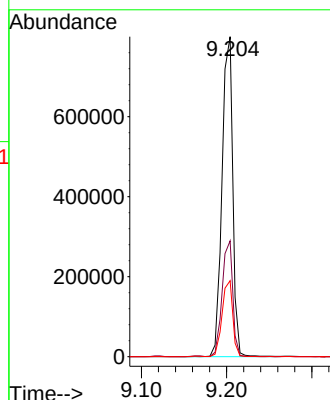
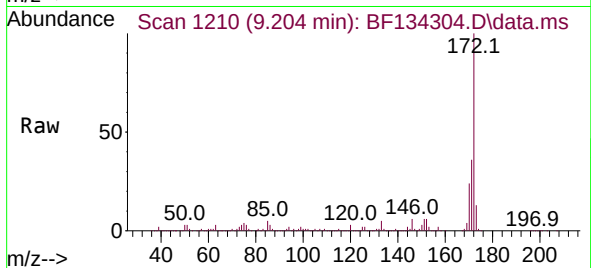
Tgt Ion:172 Resp: 69896

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.8	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#46

1,1'-Biphenyl

Concen: 45.824 ng

RT: 9.304 min Scan# 1227

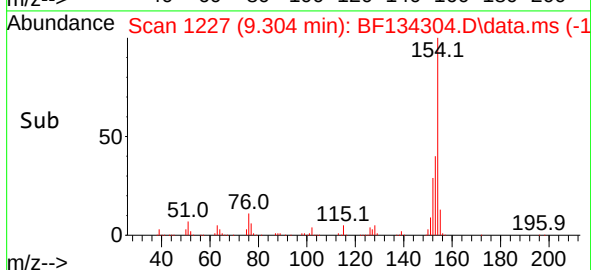
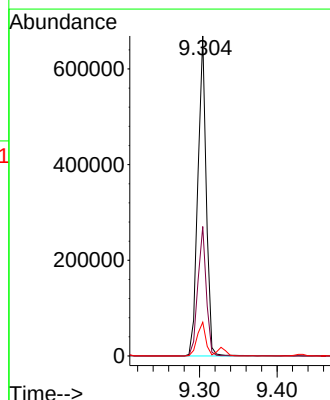
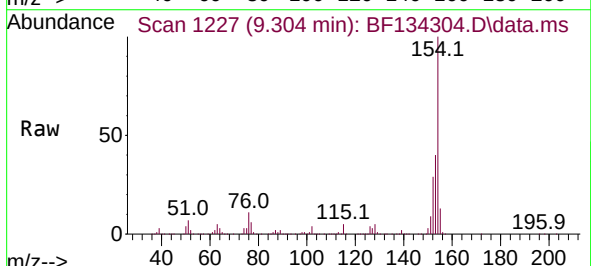
Delta R.T. 0.000 min

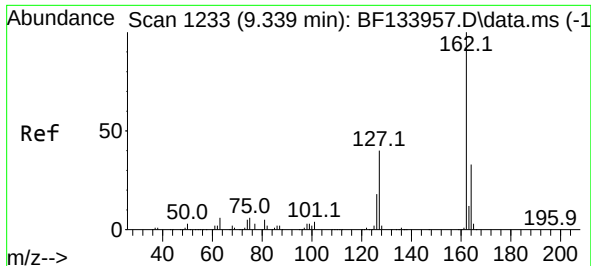
Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Tgt Ion:154 Resp: 503042

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.8	59.8
76	10.6	0.0	32.9





#47

2-Chloronaphthalene

Concen: 46.491 ng

RT: 9.328 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion:162 Resp: 373410

Ion Ratio Lower Upper

162 100

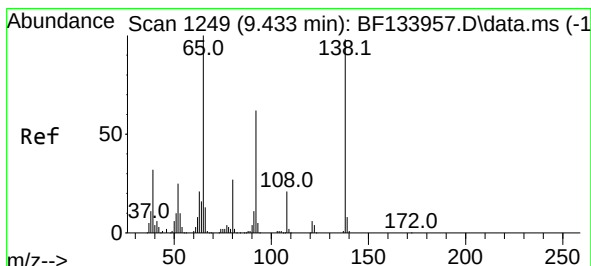
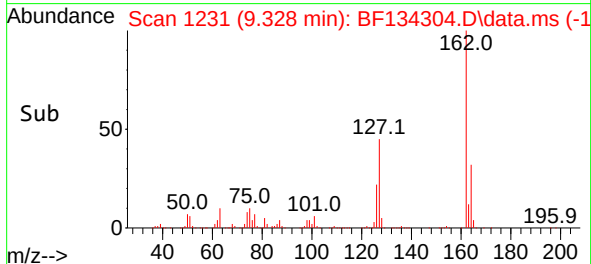
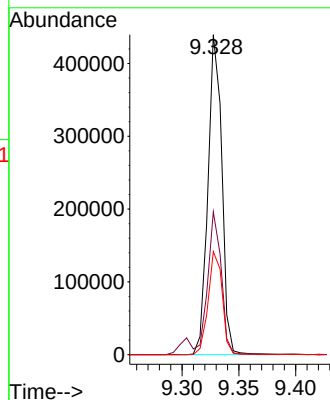
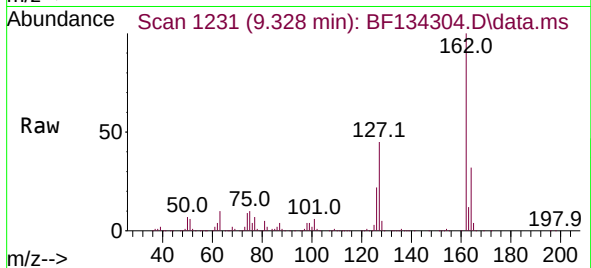
127 44.7 32.9 49.3

164 32.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#48

2-Nitroaniline

Concen: 44.906 ng

RT: 9.427 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

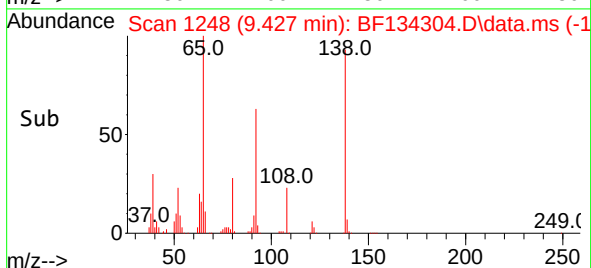
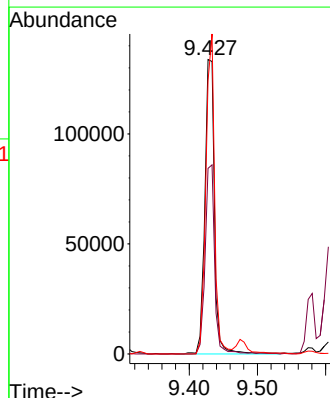
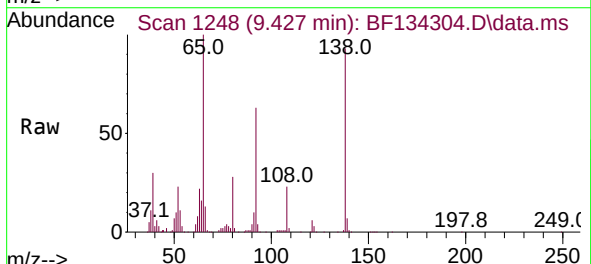
Tgt Ion: 65 Resp: 131450

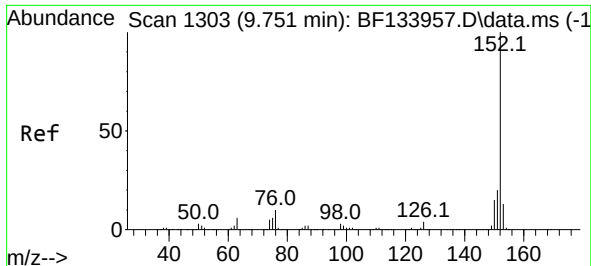
Ion Ratio Lower Upper

65 100

92 63.1 49.5 74.3

138 92.8 78.0 117.0





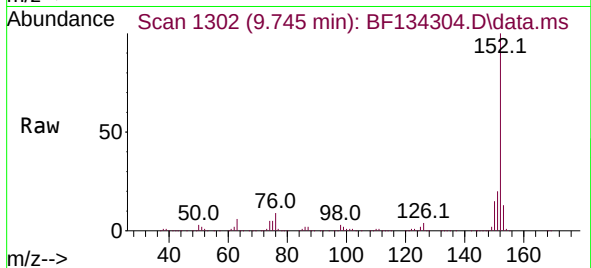
#49
Acenaphthylene
Concen: 44.365 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

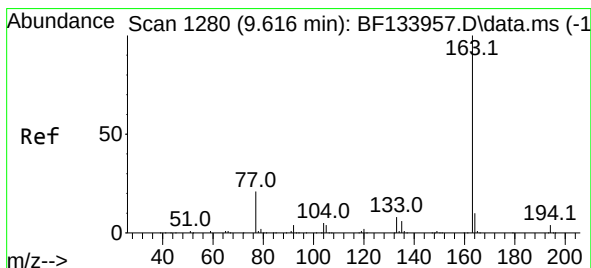
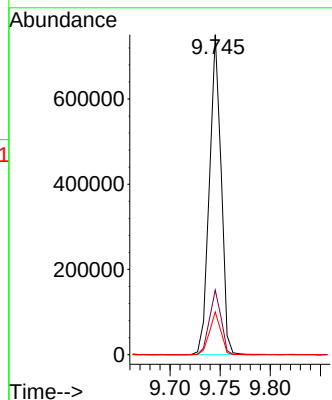
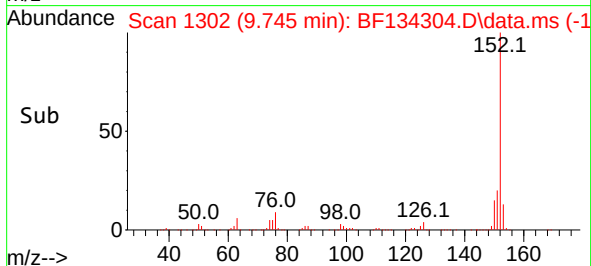


Tgt Ion:152 Resp: 608711
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.3 10.8 16.2

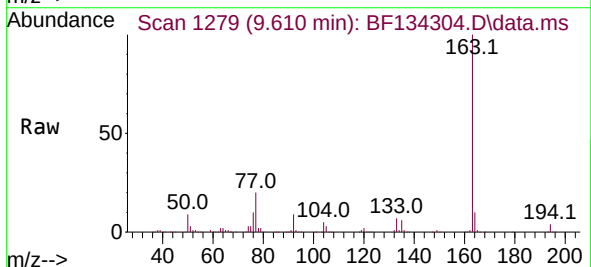
Manual Integrations

APPROVED

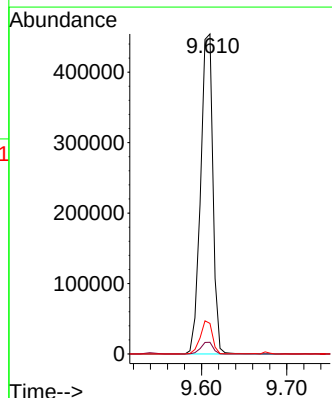
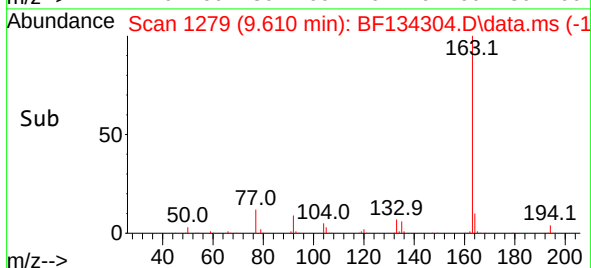
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

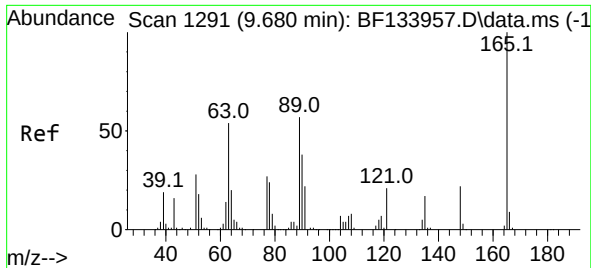


#50
Dimethylphthalate
Concen: 45.843 ng
RT: 9.610 min Scan# 1279
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:163 Resp: 455401
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 9.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 46.398 ng
RT: 9.675 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

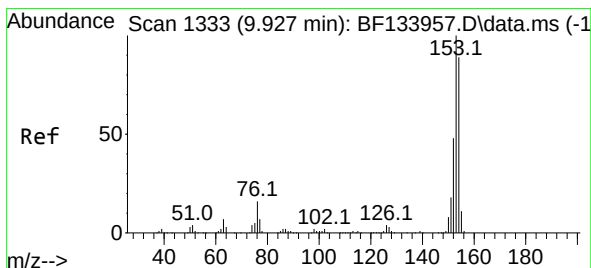
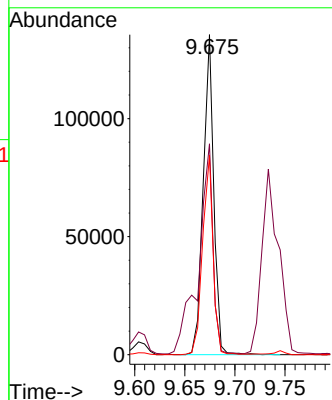
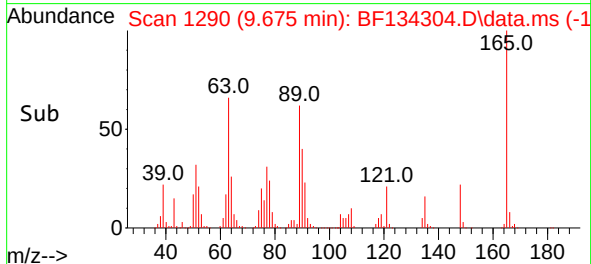
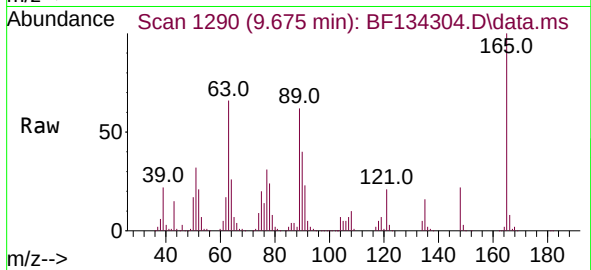
SOIL-PILEMS

Tgt Ion:165 Resp: 9927
Ion Ratio Lower Upper
165 100
63 65.9 48.5 72.7
89 62.3 45.5 68.3

Manual Integrations

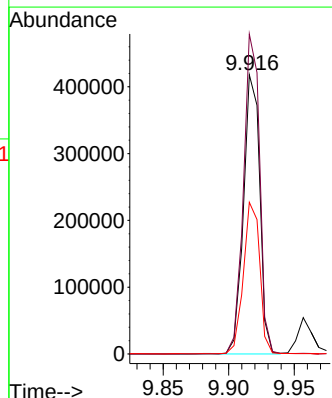
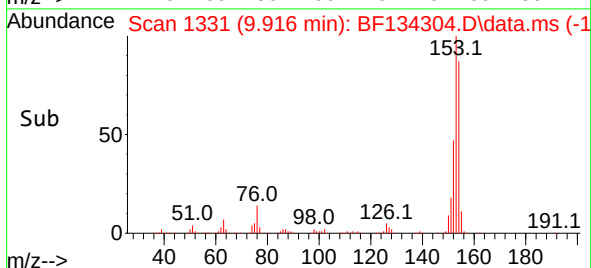
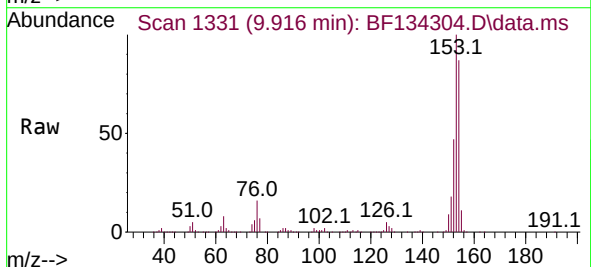
APPROVED

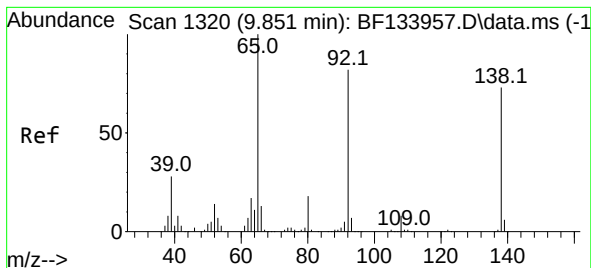
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#52
Acenaphthene
Concen: 45.447 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:154 Resp: 361821
Ion Ratio Lower Upper
154 100
153 114.6 89.4 134.2
152 54.3 42.8 64.2





#53

3-Nitroaniline

Concen: 38.002 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

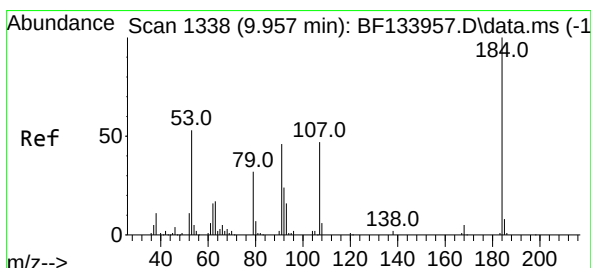
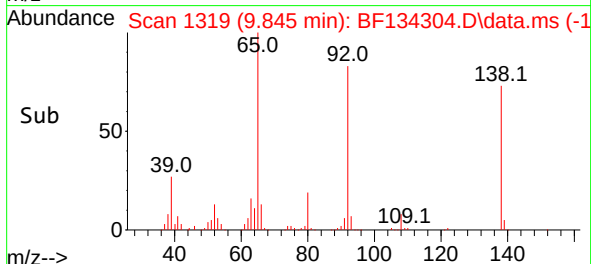
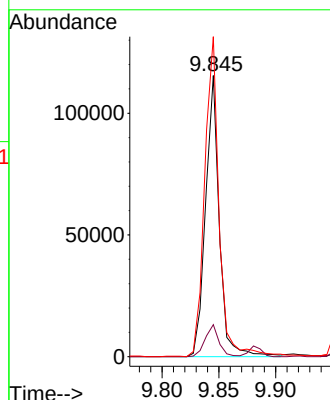
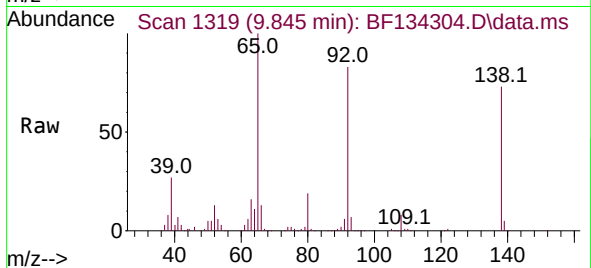
SOIL-PILEMS

Tgt Ion:138 Resp: 97540
 Ion Ratio Lower Upper
 138 100
 108 11.4 8.4 12.6
 92 113.8 90.1 135.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023



#54

2,4-Dinitrophenol

Concen: 51.586 ng

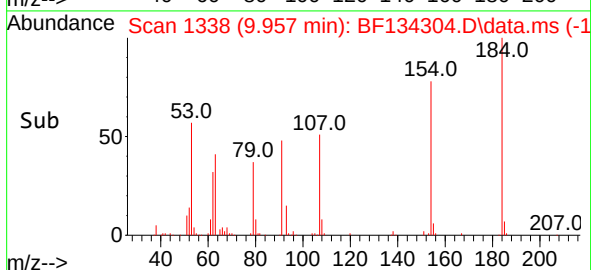
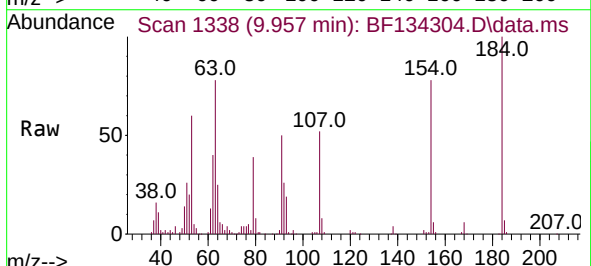
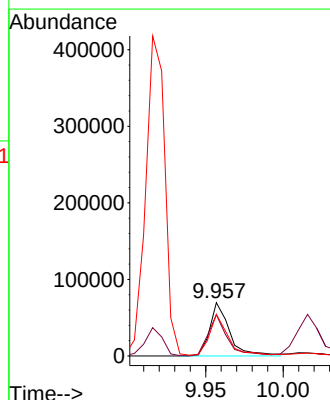
RT: 9.957 min Scan# 1338

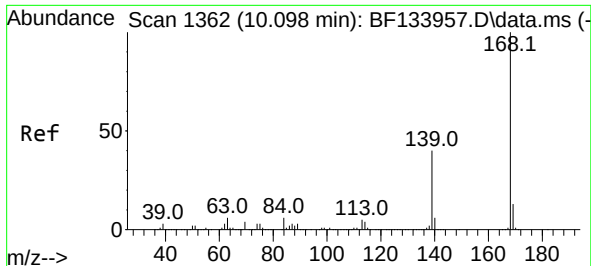
Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Tgt Ion:184 Resp: 61960
 Ion Ratio Lower Upper
 184 100
 63 77.5 56.9 85.3
 154 78.0 55.4 83.0





#55
Dibenzenofuran
Concen: 44.063 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

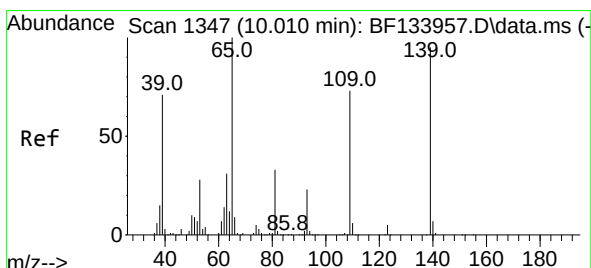
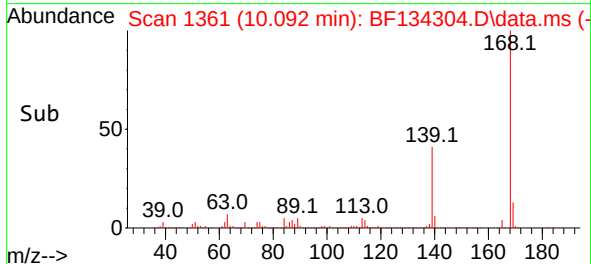
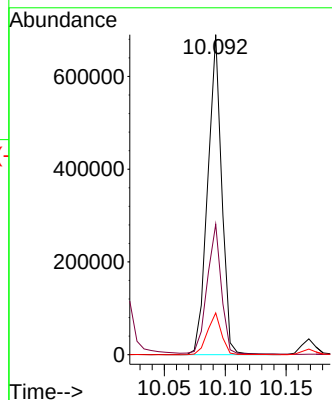
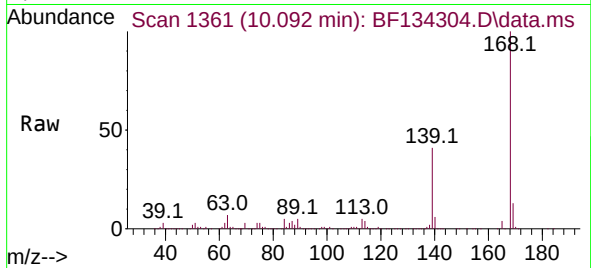
SOIL-PILEMS

Tgt Ion:168 Resp: 54825
Ion Ratio Lower Upper
168 100
139 40.7 32.0 48.0
169 13.1 10.6 16.0

Manual Integrations

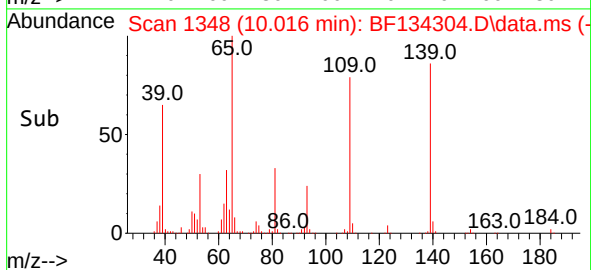
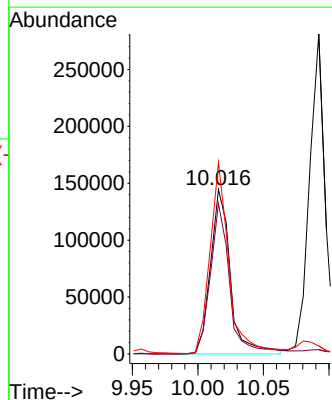
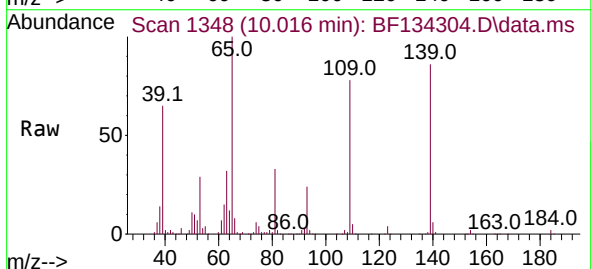
APPROVED

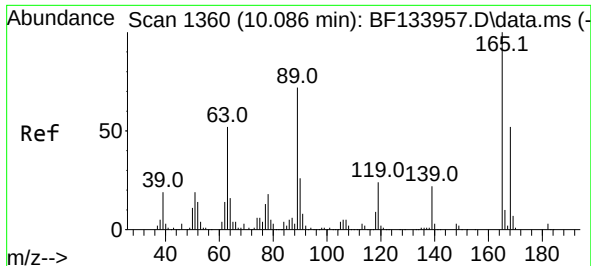
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#56
4-Nitrophenol
Concen: 84.843 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:139 Resp: 152332
Ion Ratio Lower Upper
139 100
109 91.5 56.8 96.8
65 116.6 86.1 126.1





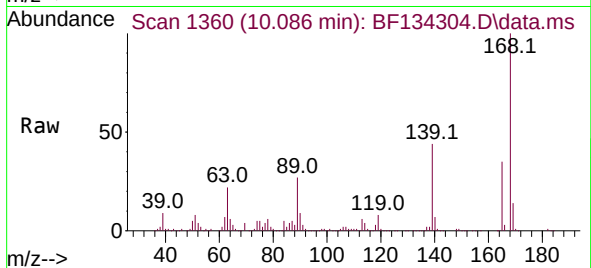
#57
2,4-Dinitrotoluene
Concen: 46.264 ng
RT: 10.086 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

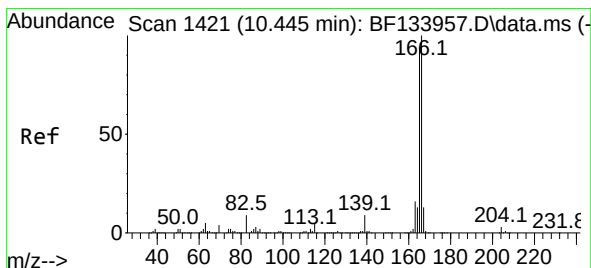
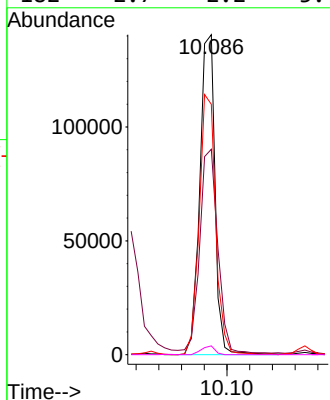
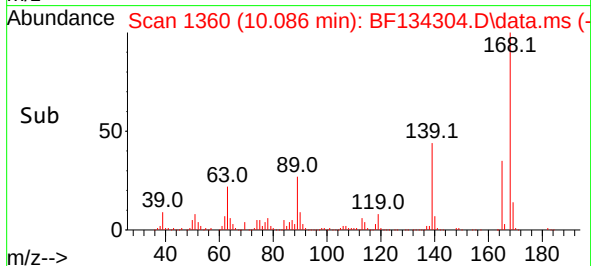


Tgt Ion:165 Resp: 130724
Ion Ratio Lower Upper
165 100
63 64.2 42.2 63.2
89 78.2 57.4 86.2
182 2.7 2.2 3.4

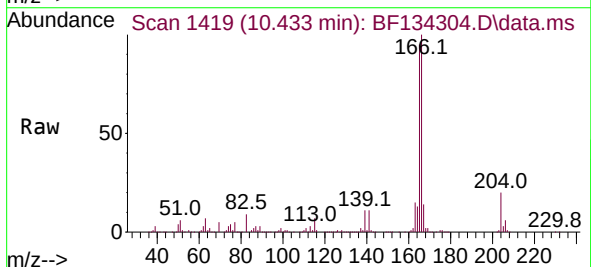
Manual Integrations

APPROVED

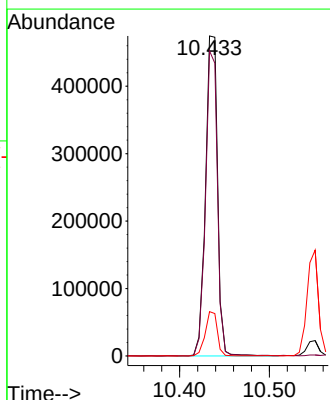
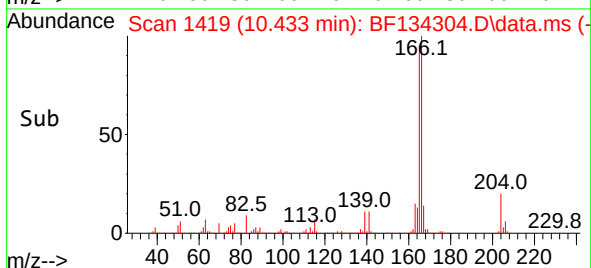
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

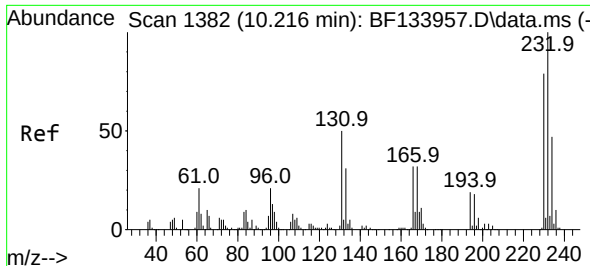


#58
Fluorene
Concen: 45.715 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:166 Resp: 442524
Ion Ratio Lower Upper
166 100
165 95.3 75.0 112.4
167 13.8 10.6 15.8





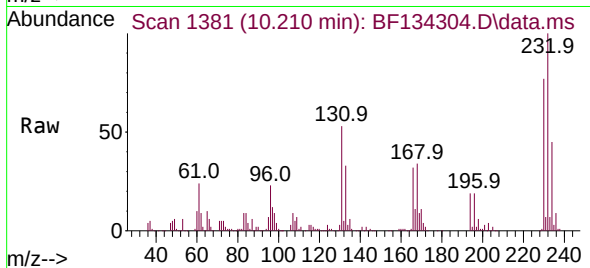
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.205 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

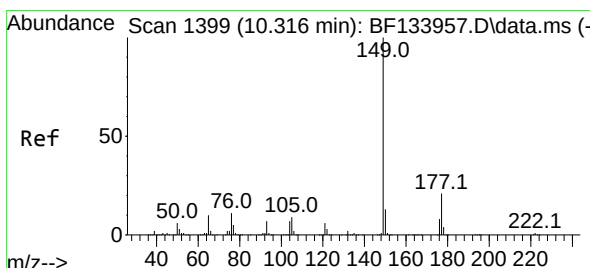
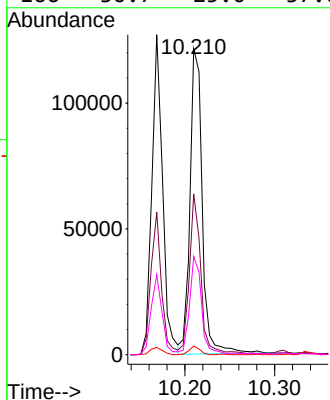
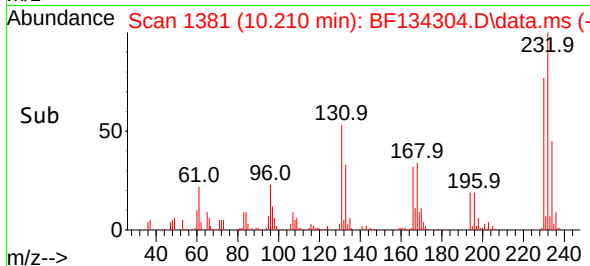


Tgt Ion:232 Resp: 115761
Ion Ratio Lower Upper
232 100
131 48.3 39.3 58.9
130 2.4 1.8 2.6
166 30.7 25.0 37.6

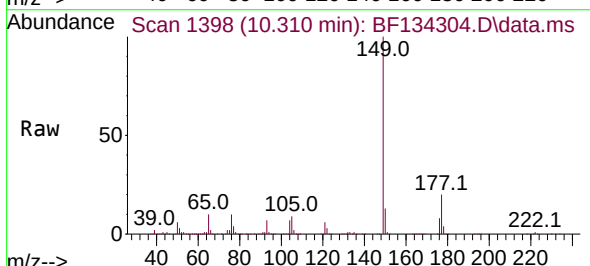
Manual Integrations

APPROVED

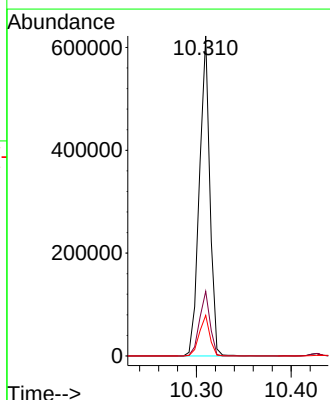
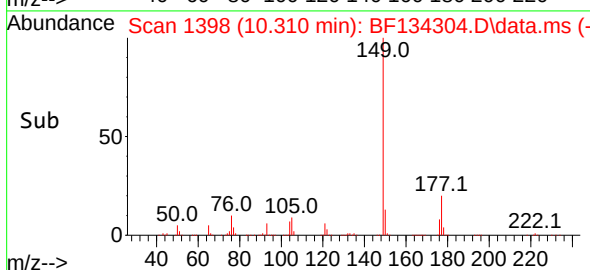
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

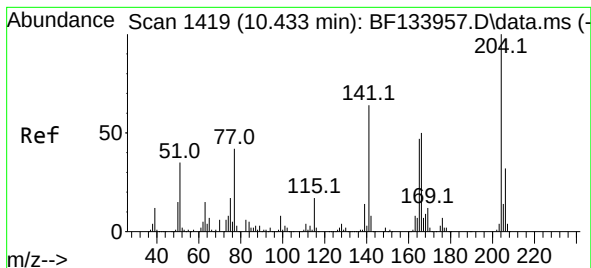


#60
Diethylphthalate
Concen: 45.932 ng
RT: 10.310 min Scan# 1398
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:149 Resp: 475380
Ion Ratio Lower Upper
149 100
177 20.2 17.0 25.6
150 12.7 10.2 15.2





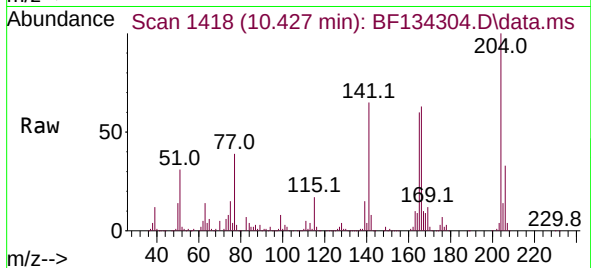
#61
4-Chlorophenyl-phenylether
Concen: 46.220 ng
RT: 10.427 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

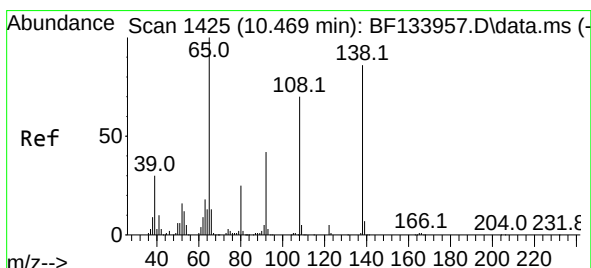
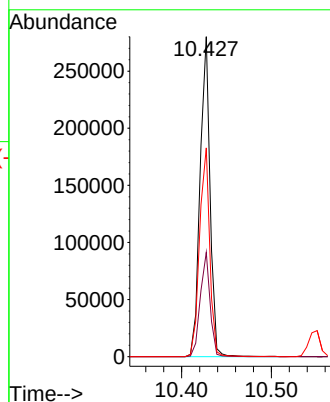
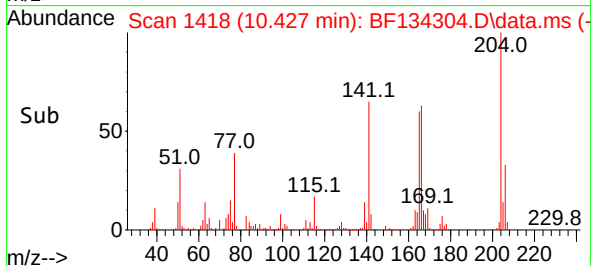


Tgt Ion:204 Resp: 215614
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.6
141 65.3 51.5 77.3

Manual Integrations

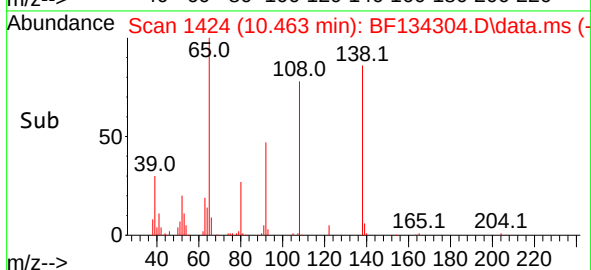
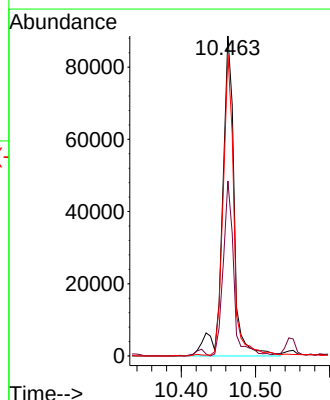
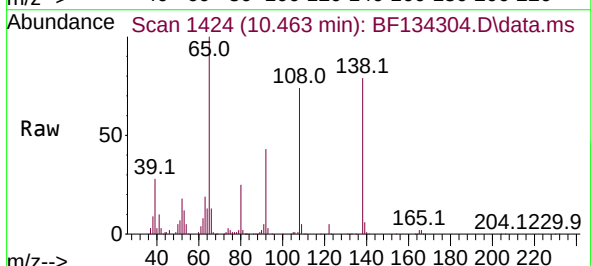
APPROVED

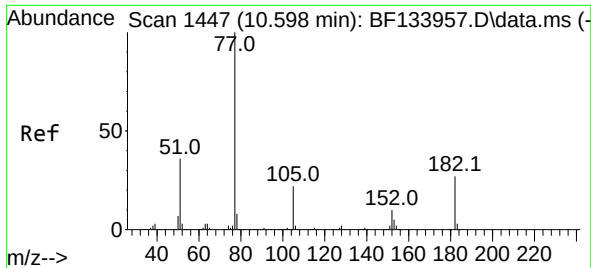
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#62
4-Nitroaniline
Concen: 37.755 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:138 Resp: 97665
Ion Ratio Lower Upper
138 100
92 54.7 29.7 69.7
108 94.2 62.1 102.1





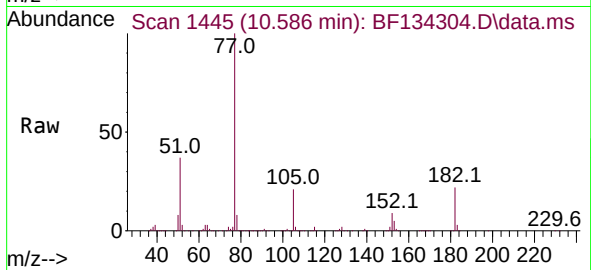
#63
Azobenzene
Concen: 44.536 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

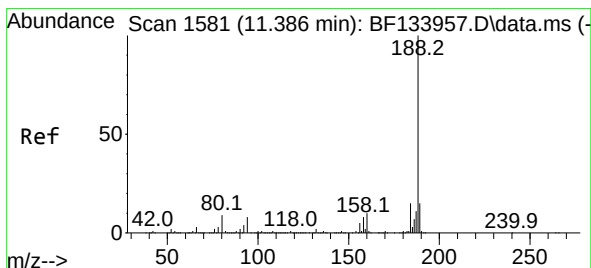
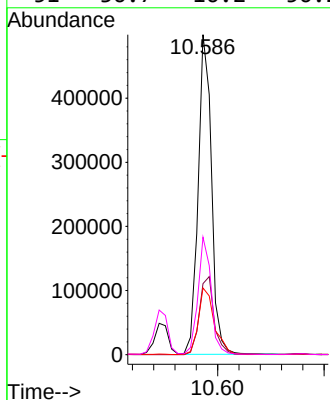
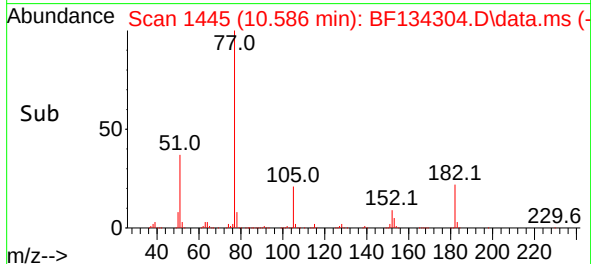


Tgt Ion: 77 Resp: 436008
Ion Ratio Lower Upper
77 100
182 22.2 6.8 46.8
105 20.8 2.3 42.3
51 36.7 16.2 56.2

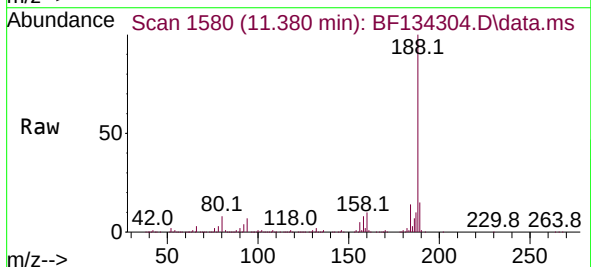
Manual Integrations

APPROVED

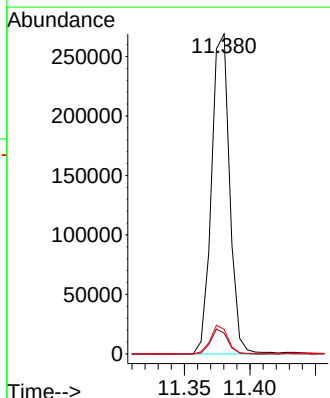
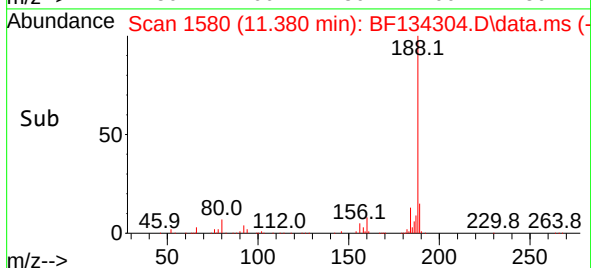
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

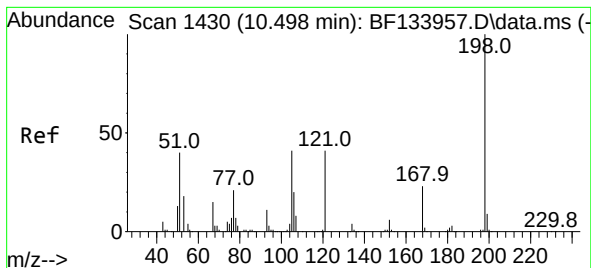


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:188 Resp: 259295
Ion Ratio Lower Upper
188 100
94 6.5 6.4 9.6
80 7.7 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 33.417 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

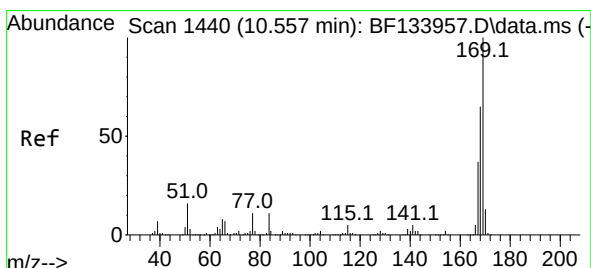
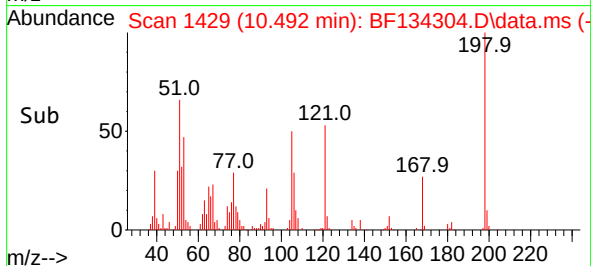
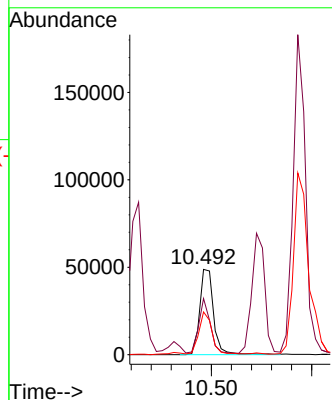
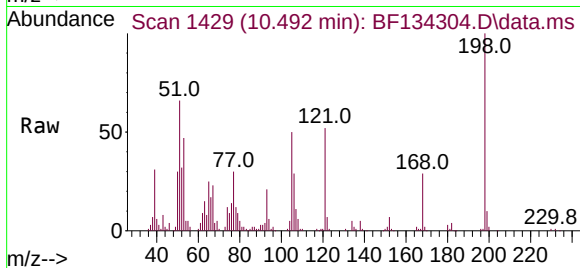
SOIL-PILEMS

Tgt Ion:198 Resp: 47240
Ion Ratio Lower Upper
198 100
51 65.7 29.3 69.3
105 50.0 22.4 62.4

Manual Integrations

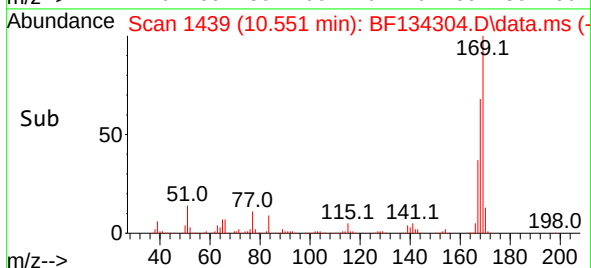
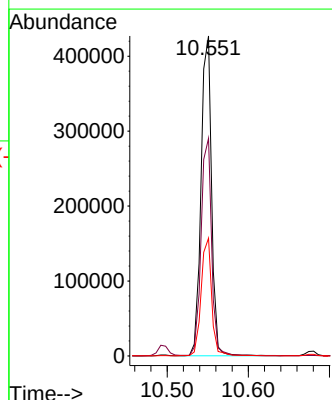
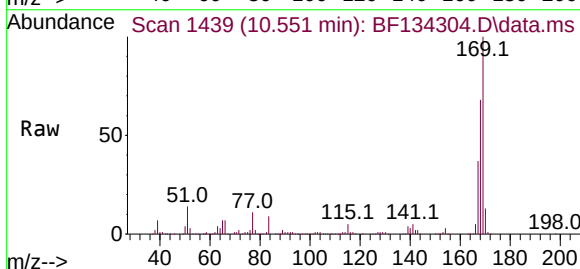
APPROVED

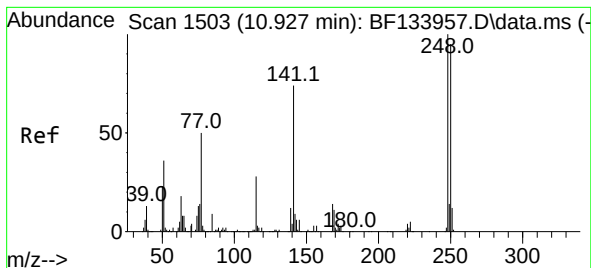
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#66
n-Nitrosodiphenylamine
Concen: 46.401 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

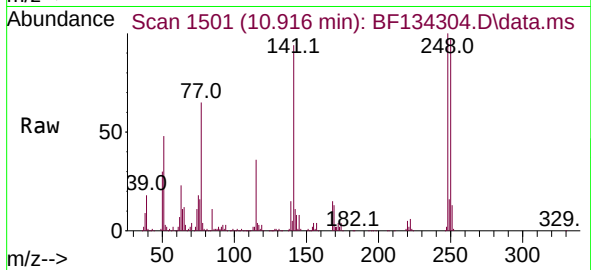
Tgt Ion:169 Resp: 384411
Ion Ratio Lower Upper
169 100
168 68.0 52.3 78.5
167 36.8 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 47.509 ng
RT: 10.916 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

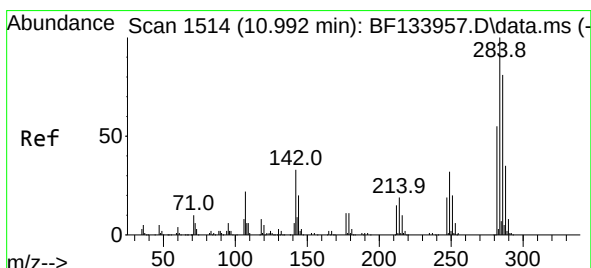
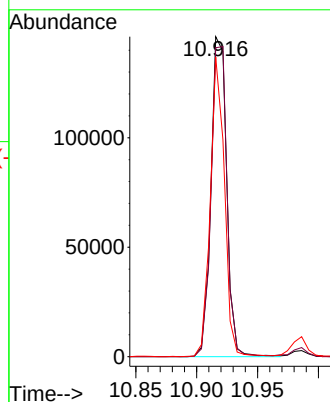
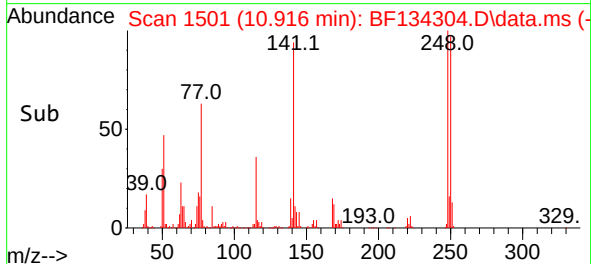
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS



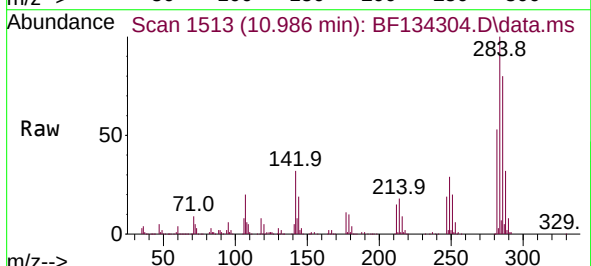
Tgt Ion:248 Resp: 130934
Ion Ratio Lower Upper
248 100
250 96.5 76.2 114.4
141 93.7 59.0 88.4

Manual Integrations
APPROVED

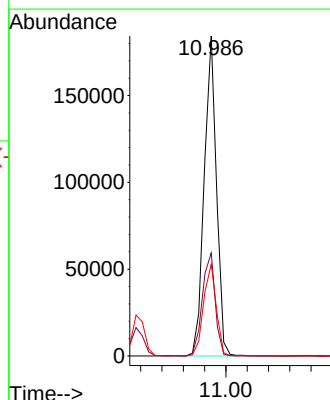
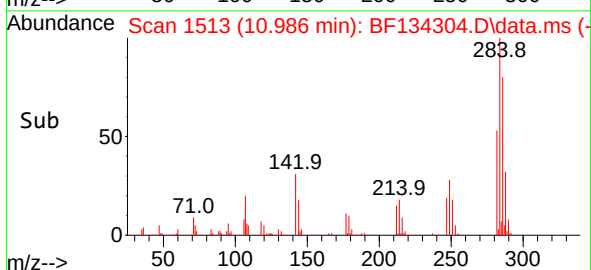
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

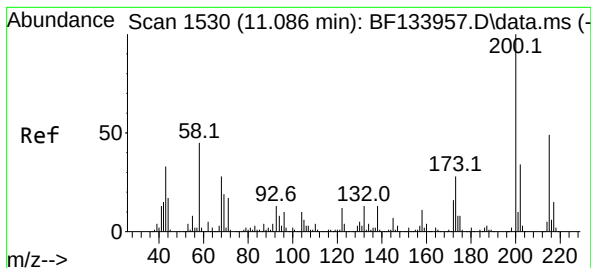


#68
Hexachlorobenzene
Concen: 50.477 ng
RT: 10.986 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:284 Resp: 147706
Ion Ratio Lower Upper
284 100
142 32.2 26.6 40.0
249 28.6 25.5 38.3





#69

Atrazine

Concen: 56.513 ng

RT: 11.080 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion:200 Resp: 129504

Ion Ratio Lower Upper

200 100

173 28.0 8.0 48.0

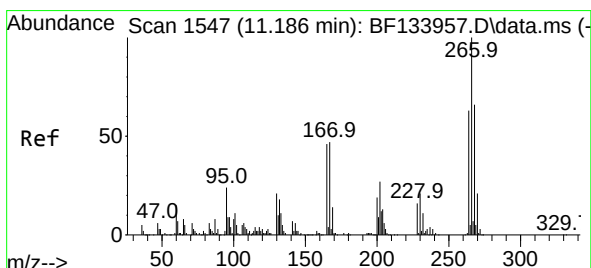
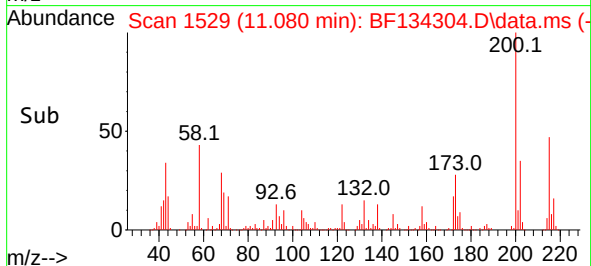
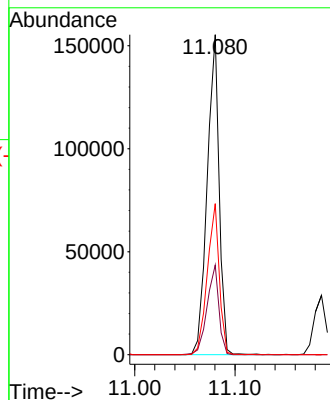
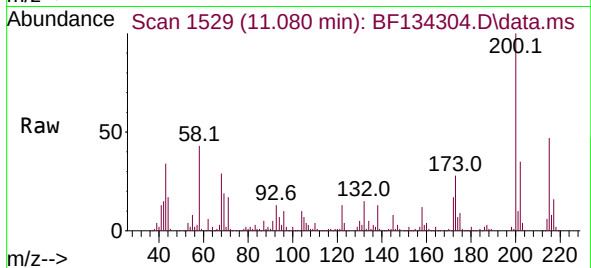
215 47.2 29.3 69.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023

Supervised By :mohammad ahmed 07/19/2023



#70

Pentachlorophenol

Concen: 78.082 ng

RT: 11.186 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

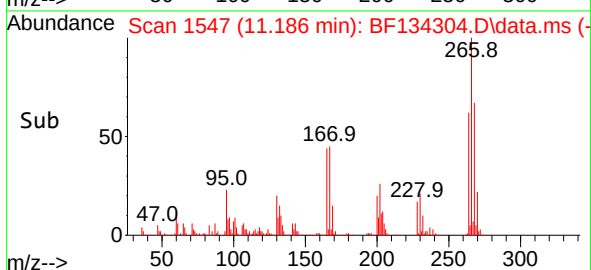
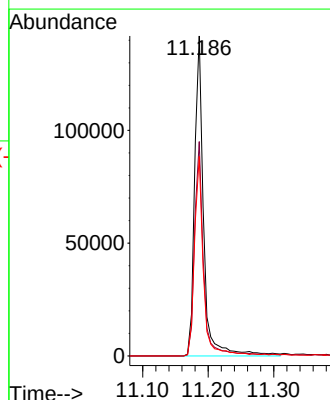
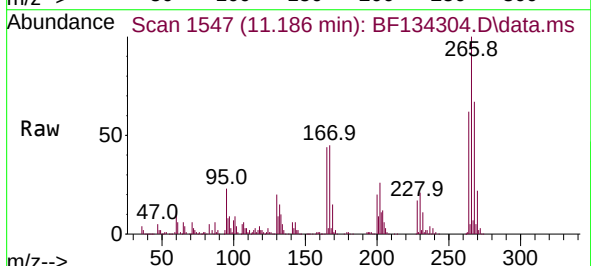
Tgt Ion:266 Resp: 136615

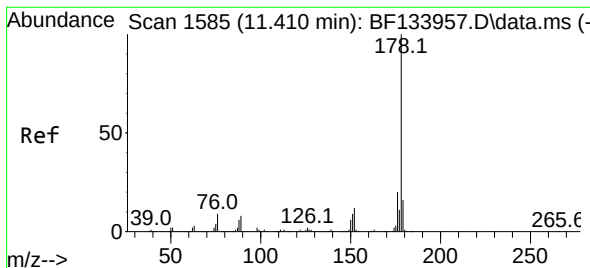
Ion Ratio Lower Upper

266 100

268 67.0 52.6 79.0

264 62.3 50.6 76.0





#71

Phenanthrene

Concen: 47.676 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion:178 Resp: 622329

Ion Ratio Lower Upper

178 100

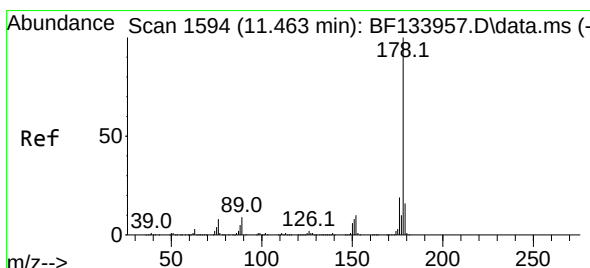
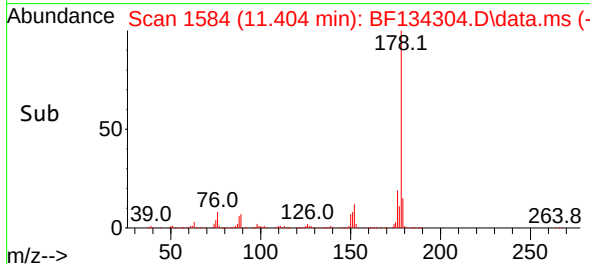
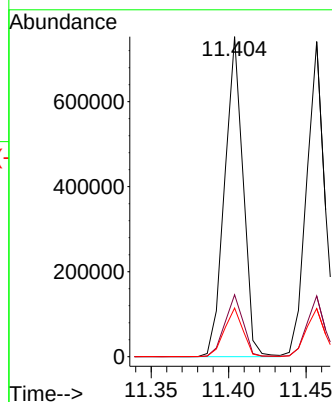
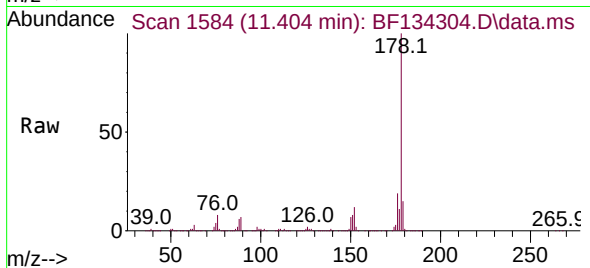
176 19.4 16.0 24.0

179 15.2 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#72

Anthracene

Concen: 44.746 ng

RT: 11.457 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

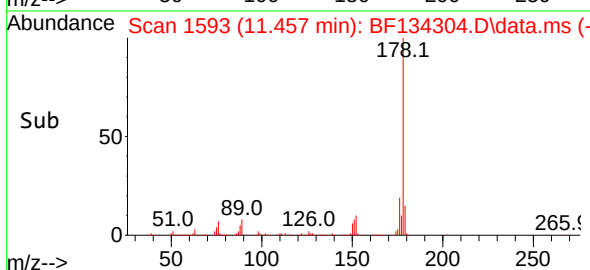
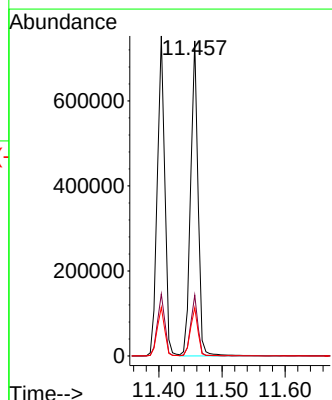
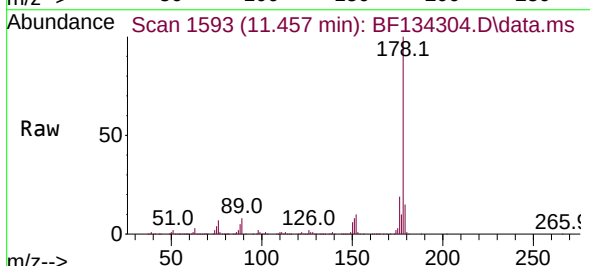
Tgt Ion:178 Resp: 607515

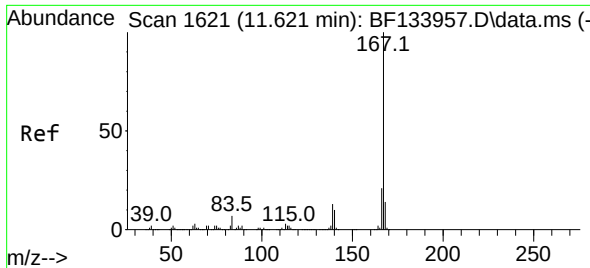
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

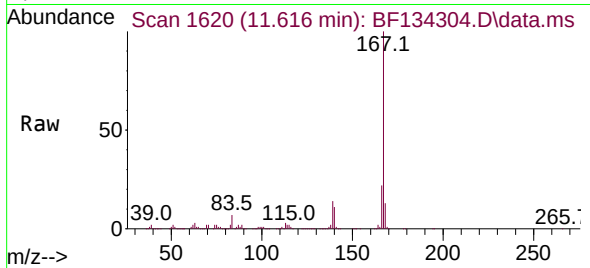
179 15.3 12.4 18.6





#73
 Carbazole
 Concen: 45.569 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: BF134304.D
 Acq: 14 Jul 2023 23:09

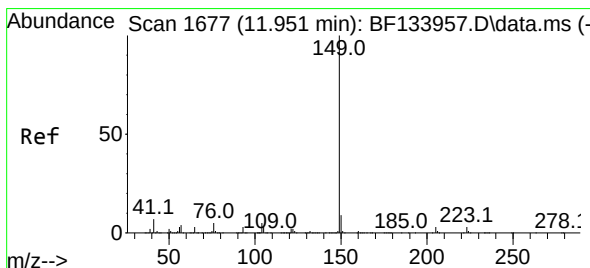
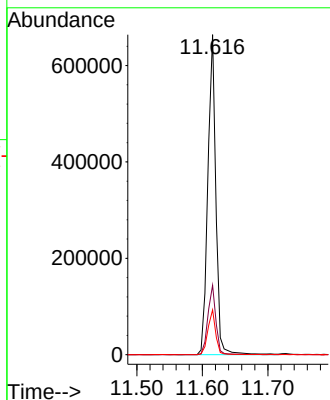
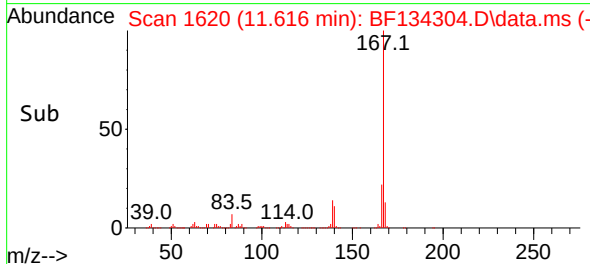
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMS



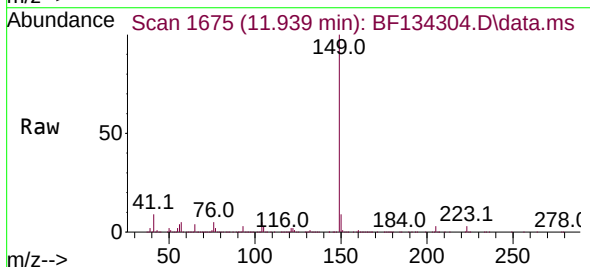
Tgt Ion:167 Resp: 56629
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 14.0 10.4 15.6

Manual Integrations
 APPROVED

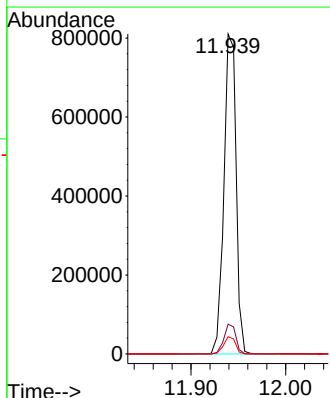
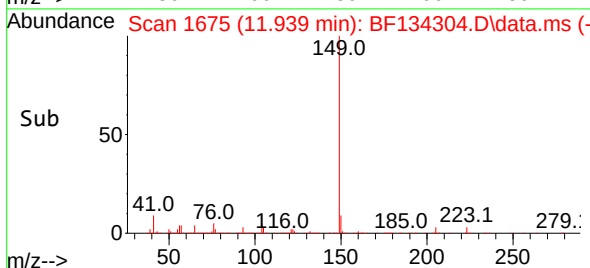
Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023

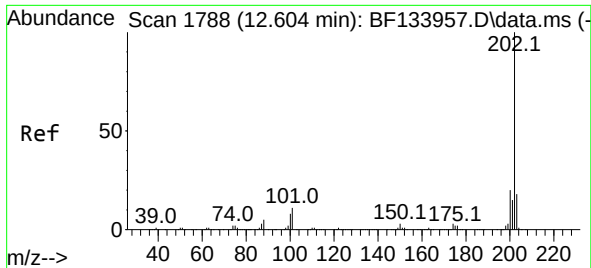


#74
 Di-n-butylphthalate
 Concen: 49.332 ng
 RT: 11.939 min Scan# 1675
 Delta R.T. 0.000 min
 Lab File: BF134304.D
 Acq: 14 Jul 2023 23:09



Tgt Ion:149 Resp: 729033
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.1 10.7
 104 5.4 4.0 6.0





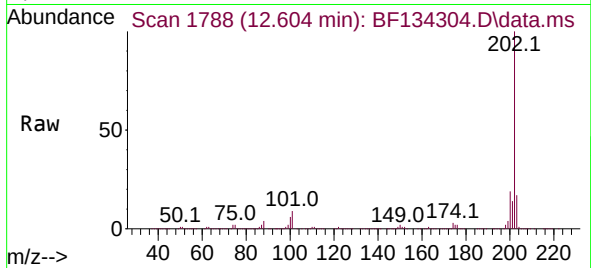
#75
Fluoranthene
Concen: 53.447 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

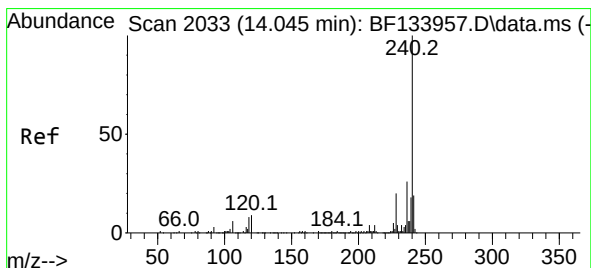
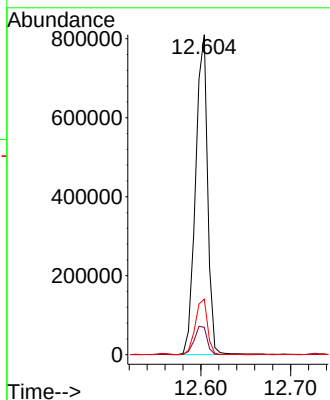
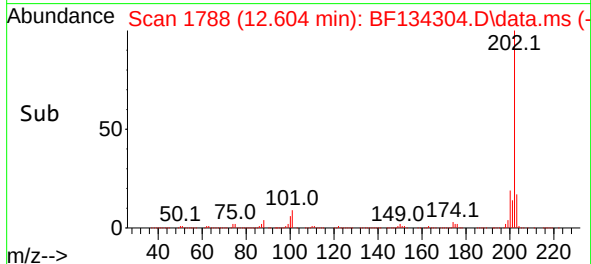


Tgt Ion:202 Resp: 754235
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.0
203 17.4 0.0 37.6

Manual Integrations

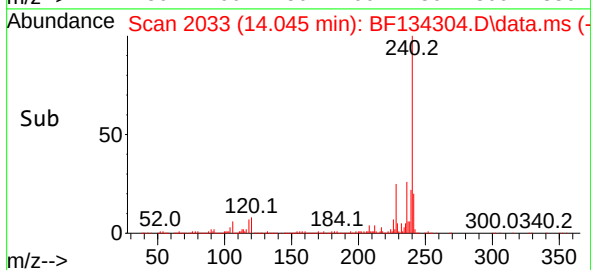
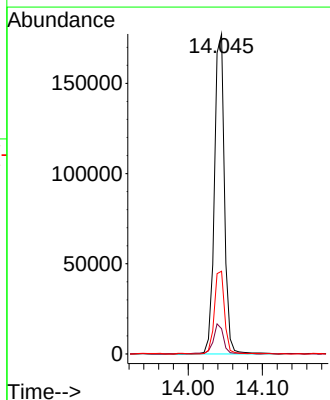
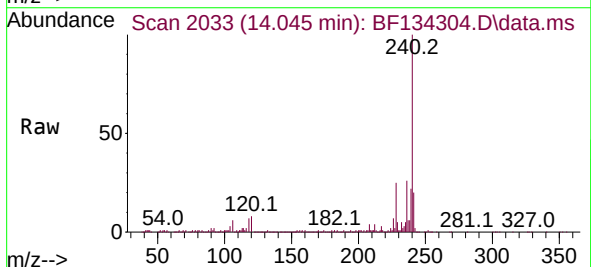
APPROVED

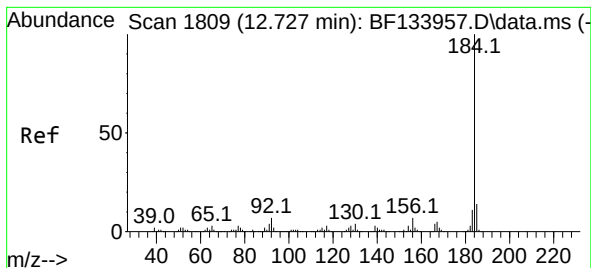
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:240 Resp: 165682
Ion Ratio Lower Upper
240 100
120 7.9 7.4 11.0
236 25.9 21.0 31.6





#77

Benzidine

Concen: 97.110 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

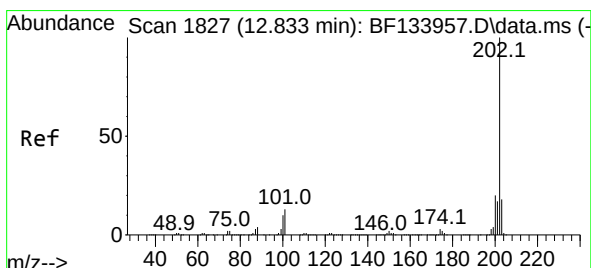
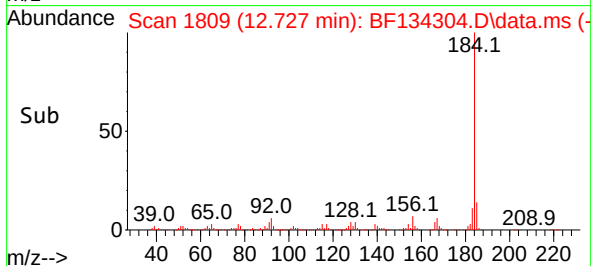
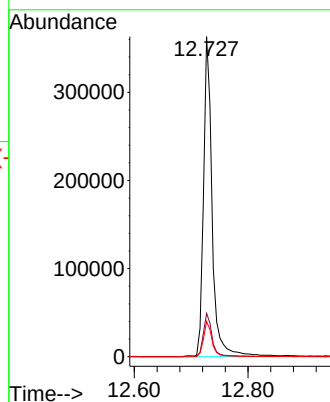
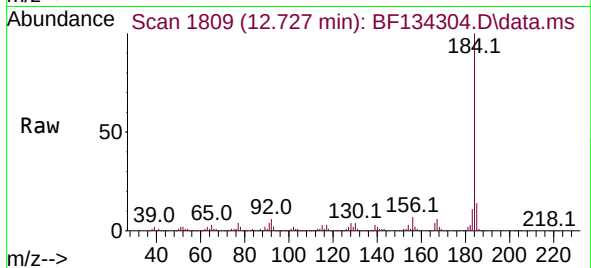
SOIL-PILEMS

Tgt Ion:184 Resp: 382830
 Ion Ratio Lower Upper
 184 100
 185 13.6 11.6 17.4
 183 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023



#78

Pyrene

Concen: 47.614 ng

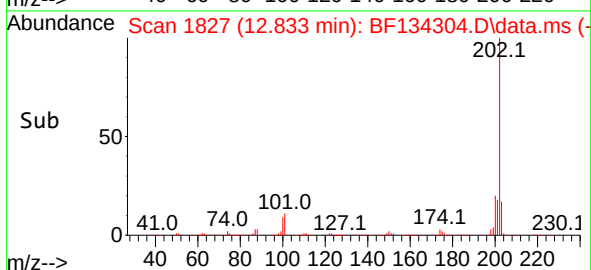
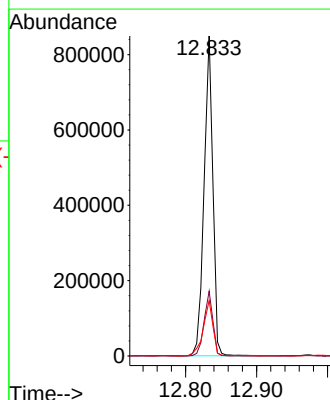
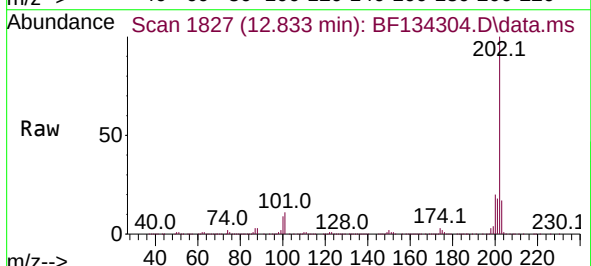
RT: 12.833 min Scan# 1827

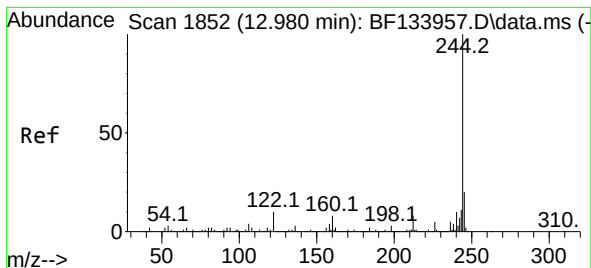
Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Tgt Ion:202 Resp: 734154
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.1 24.1
 203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 68.000 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

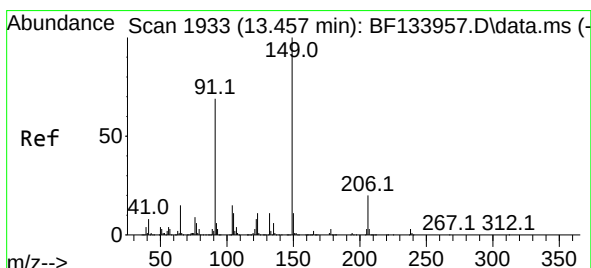
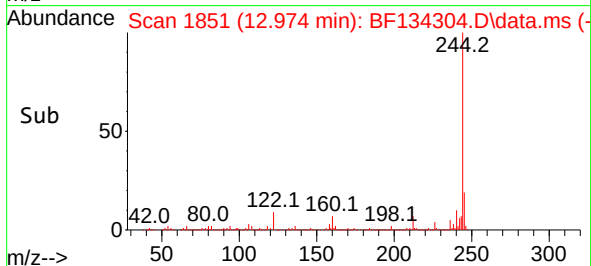
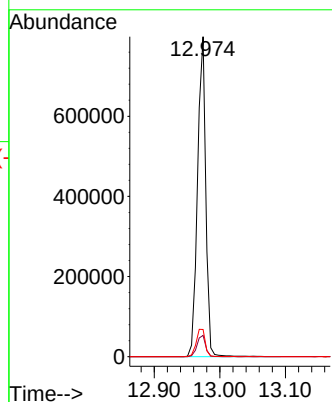
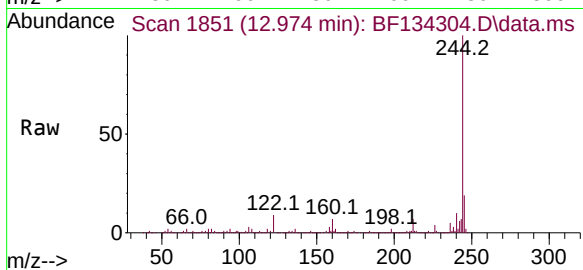
Tgt Ion:244 Resp: 70003

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	8.5	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#80

Butylbenzylphthalate

Concen: 48.192 ng

RT: 13.451 min Scan# 1932

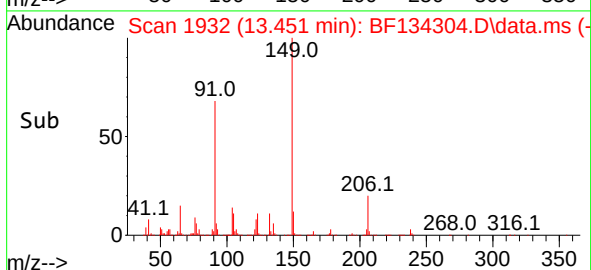
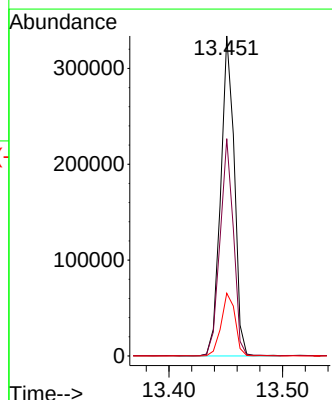
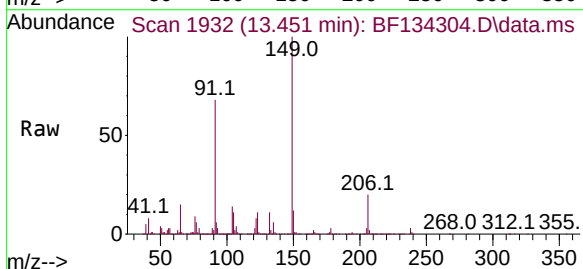
Delta R.T. 0.000 min

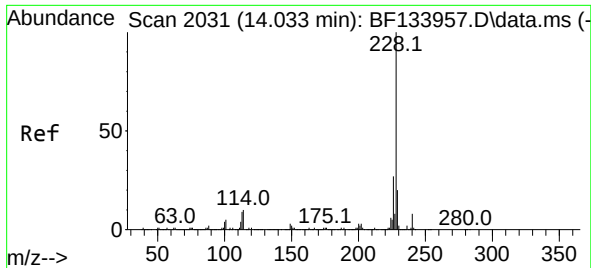
Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Tgt Ion:149 Resp: 278689

Ion	Ratio	Lower	Upper
149	100		
91	67.9	55.1	82.7
206	19.6	15.7	23.5





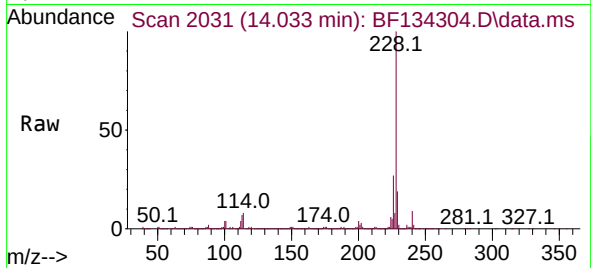
#81
Benzo(a)anthracene
Concen: 51.014 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

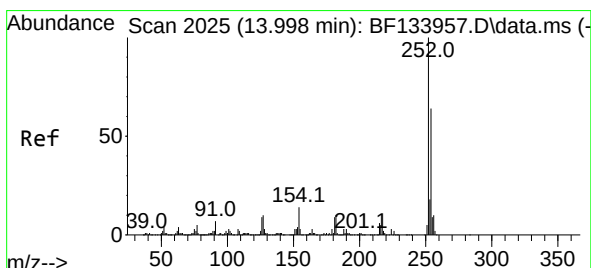
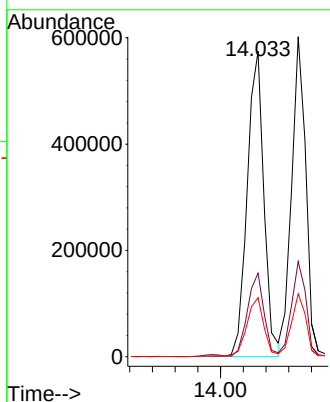
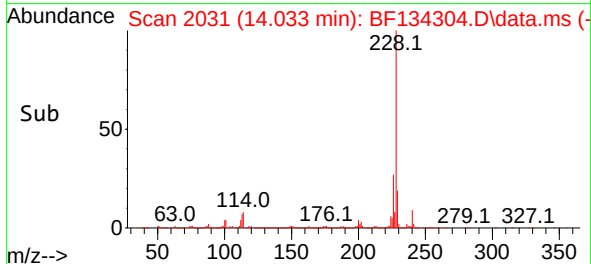


Tgt Ion:228 Resp: 586169
Ion Ratio Lower Upper
228 100
226 27.3 22.0 33.0
229 19.3 16.3 24.5

Manual Integrations

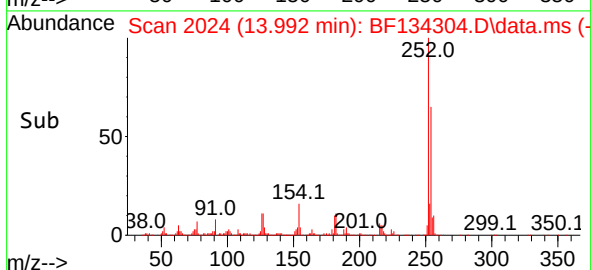
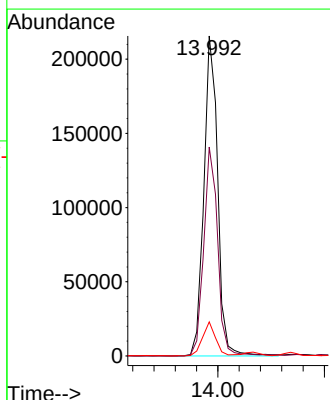
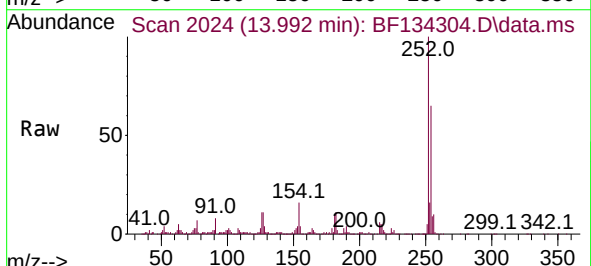
APPROVED

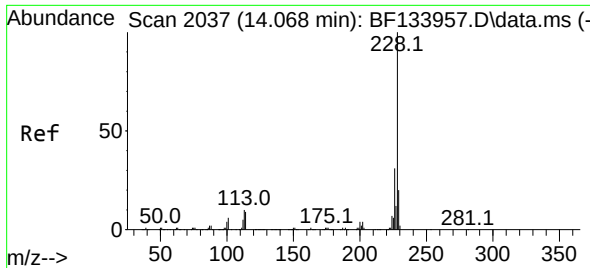
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#82
3,3'-Dichlorobenzidine
Concen: 53.575 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:252 Resp: 195034
Ion Ratio Lower Upper
252 100
254 65.3 51.4 77.0
126 10.6 7.4 11.2





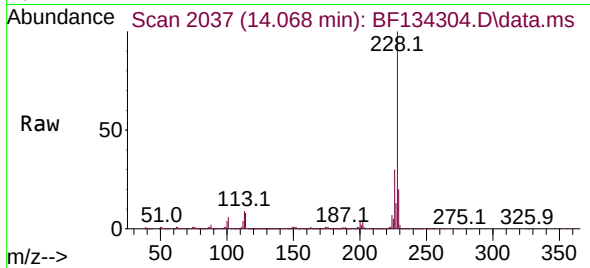
#83
Chrysene
Concen: 46.950 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

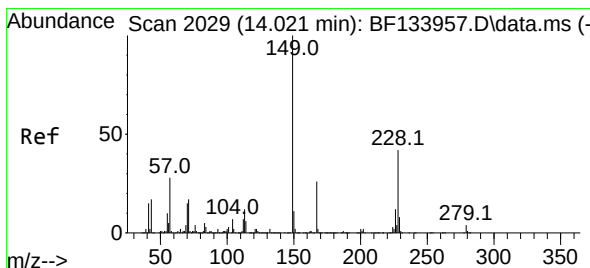
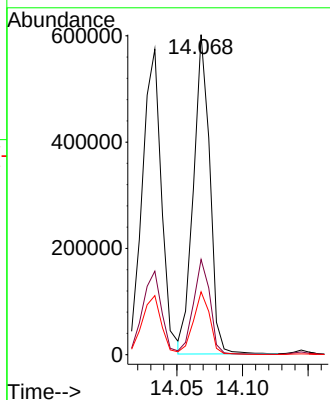
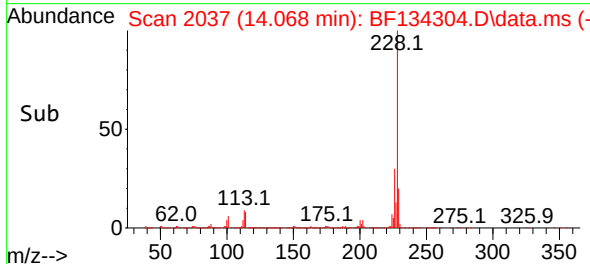


Tgt Ion:228 Resp: 522512
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 19.6 16.1 24.1

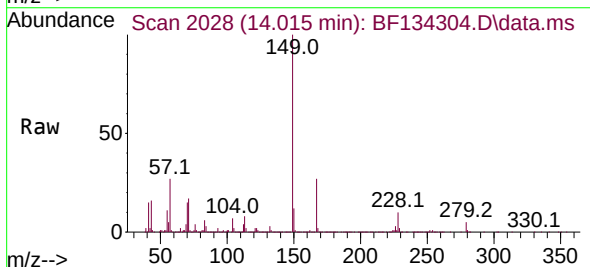
Manual Integrations

APPROVED

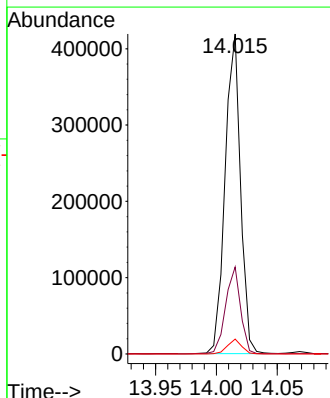
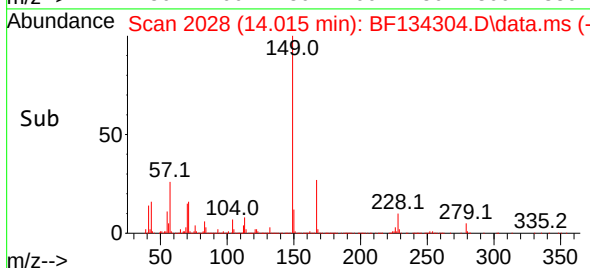
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

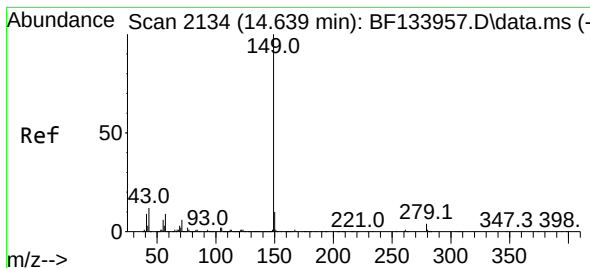


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.616 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09



Tgt Ion:149 Resp: 369560
Ion Ratio Lower Upper
149 100
167 27.2 21.0 31.4
279 4.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 62.845 ng

RT: 14.633 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion:149 Resp: 613600

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

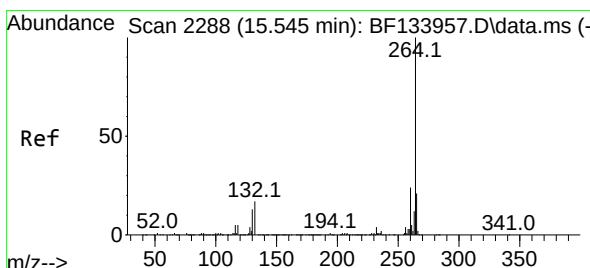
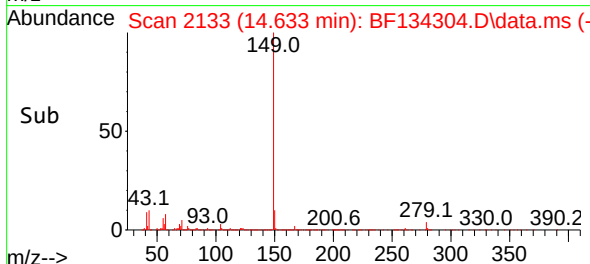
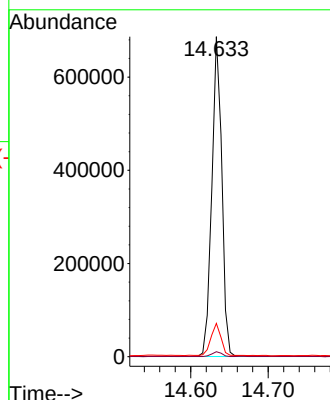
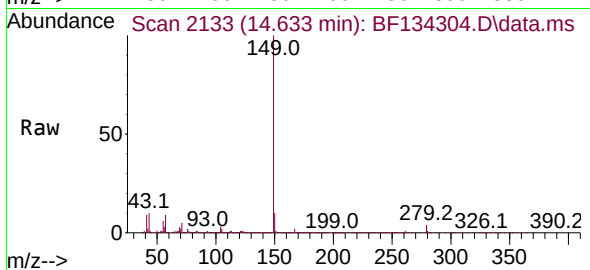
43 10.3 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023

Supervised By :mohammad ahmed 07/19/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.000 min

Lab File: BF134304.D

Acq: 14 Jul 2023 23:09

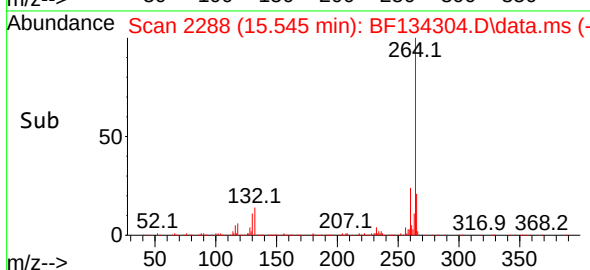
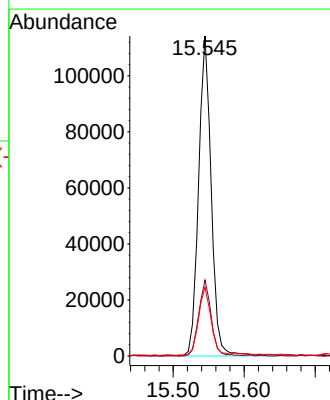
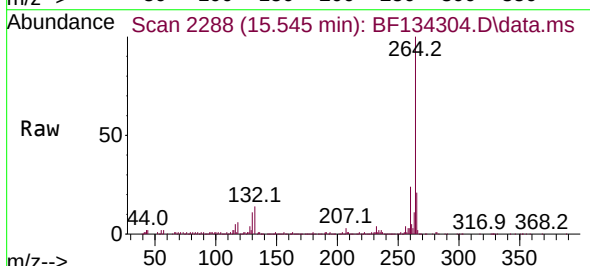
Tgt Ion:264 Resp: 141729

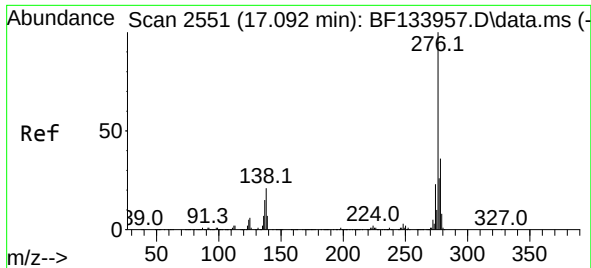
Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.5 16.6 25.0





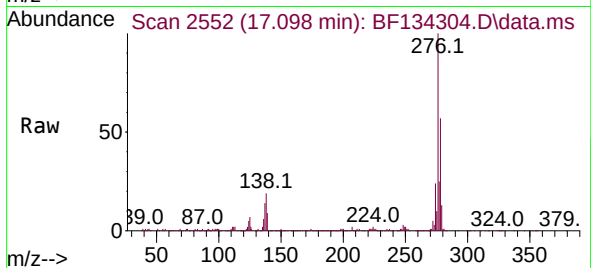
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.373 ng
RT: 17.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

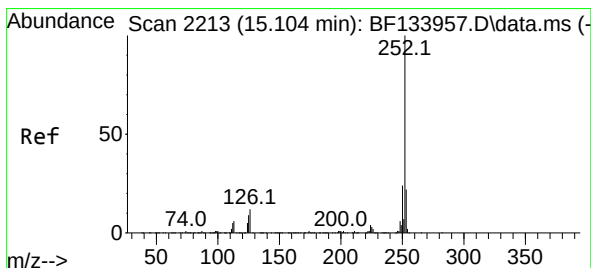
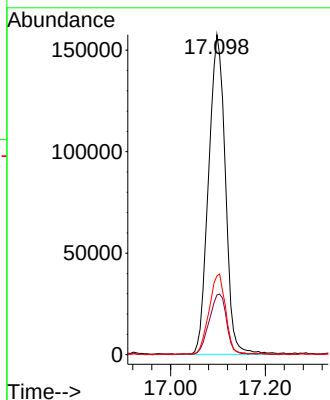
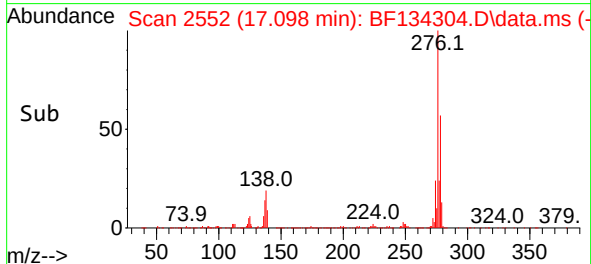


Tgt Ion:276 Resp: 387210
Ion Ratio Lower Upper
276 100
138 19.4 18.7 28.1
277 24.5 19.9 29.9

Manual Integrations

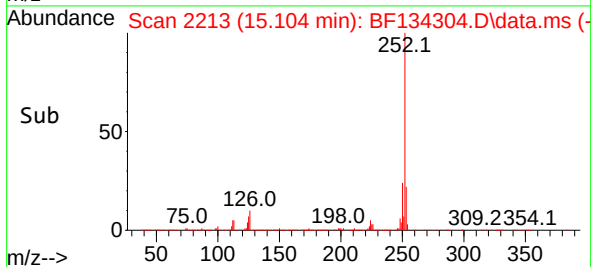
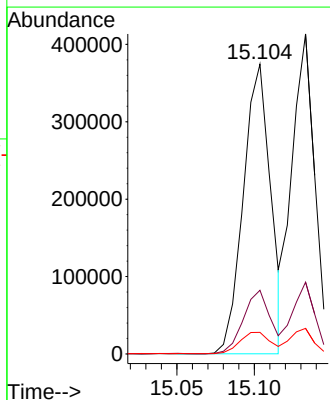
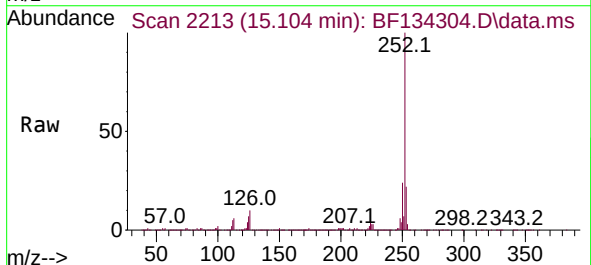
APPROVED

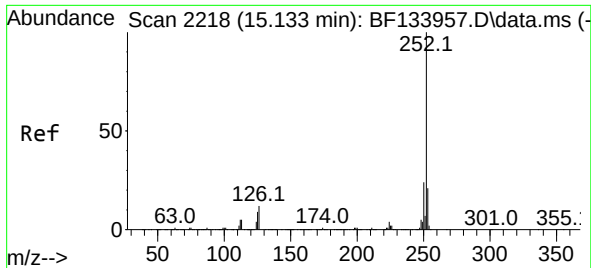
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#88
Benzo(b)fluoranthene
Concen: 55.092 ng
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:252 Resp: 459124
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 7.4 7.1 10.7





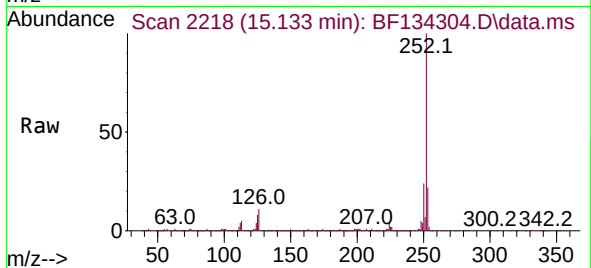
#89
Benzo(k)fluoranthene
Concen: 50.204 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

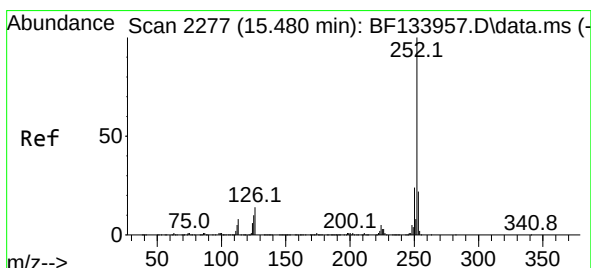
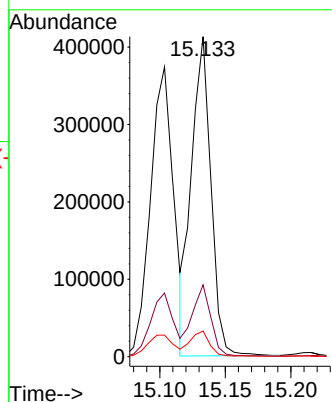
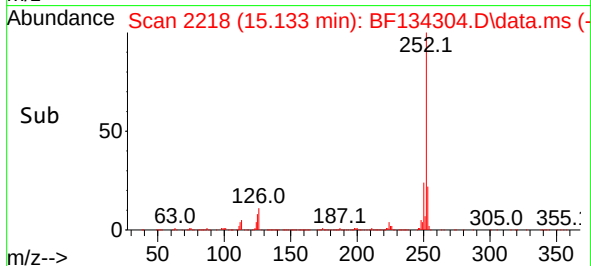


Tgt Ion:252 Resp: 42598
Ion Ratio Lower Upper
252 100
253 22.5 16.9 25.3
125 8.0 7.4 11.2

Manual Integrations

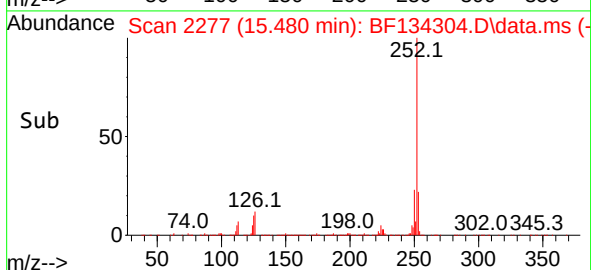
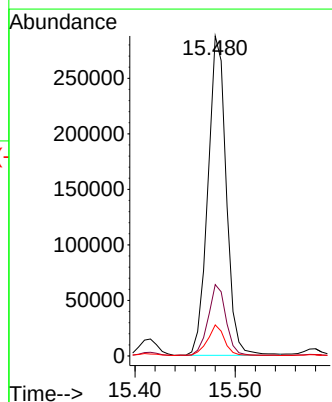
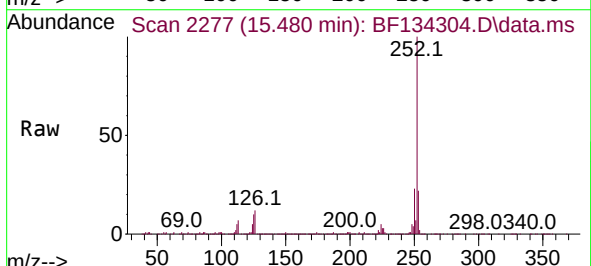
APPROVED

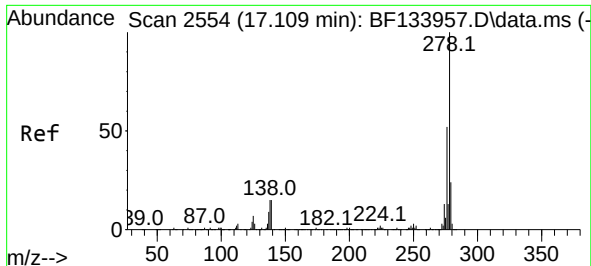
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#90
Benzo(a)pyrene
Concen: 45.247 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:252 Resp: 364631
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 9.7 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 40.023 ng
RT: 17.109 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Instrument :

BNA_F

ClientSampleId :

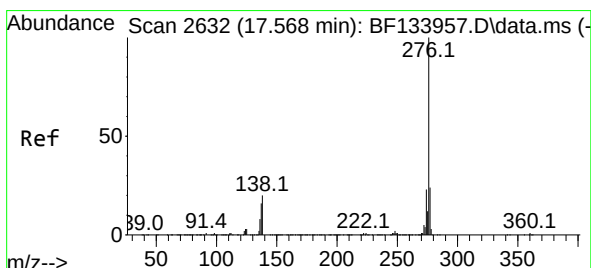
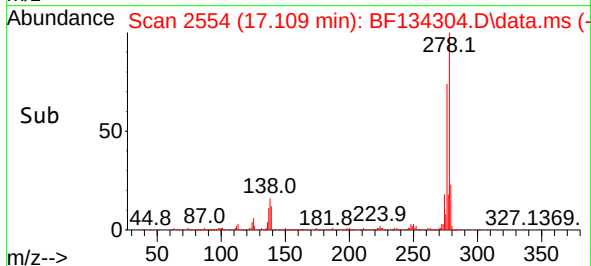
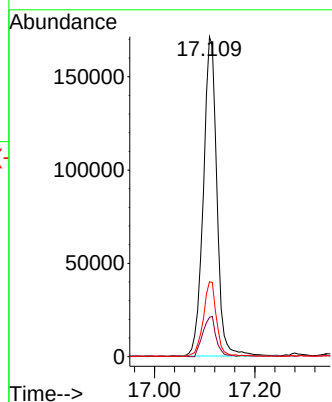
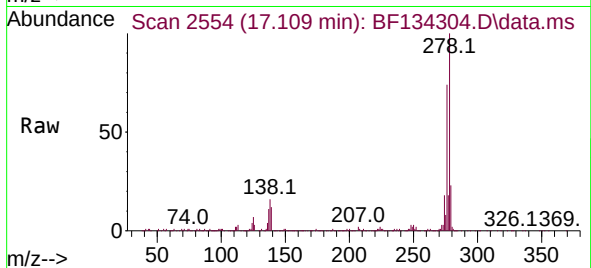
SOIL-PILEMS

Tgt Ion:278 Resp: 321490
Ion Ratio Lower Upper
278 100
139 12.3 12.2 18.4
279 23.4 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#92
Benzo(g,h,i)perylene
Concen: 37.208 ng
RT: 17.568 min Scan# 2632
Delta R.T. 0.000 min
Lab File: BF134304.D
Acq: 14 Jul 2023 23:09

Tgt Ion:276 Resp: 308223
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.6
138 17.8 16.2 24.2

