

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071024\
 Data File : BF138510.D
 Acq On : 10 Jul 2024 19:48
 Operator : CG\JU
 Sample : P3170-03MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUMS-2MSD

Quant Time: Jul 11 00:52:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 07/11/2024

Supervised By :mohammad
 ahmed
 07/11/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	93863	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	376849	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	195868	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	281455	20.000	ng	0.00
76) Chrysene-d12	14.022	240	156994	20.000	ng	0.00
86) Perylene-d12	15.486	264	194866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	654793	110.484	ng	0.01
7) Phenol-d6	6.510	99	894888	113.505	ng	0.00
23) Nitrobenzene-d5	7.434	82	592136	77.146	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	204050	111.467	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	975118	77.808	ng	0.00
79) Terphenyl-d14	12.969	244	699233	72.559	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	123142	46.914	ng	99
3) Pyridine	3.481	79	324394	50.114	ng	99
4) n-Nitrosodimethylamine	3.452	42	239376	56.807	ng	99
6) Aniline	6.528	93	310974	42.111	ng	# 87
8) 2-Chlorophenol	6.657	128	359002	57.287	ng	98
9) Benzaldehyde	6.416	77	45226	10.717	ng	94
10) Phenol	6.522	94	457777	54.702	ng	98
11) bis(2-Chloroethyl)ether	6.604	93	348969	55.386	ng	99
12) 1,3-Dichlorobenzene	6.810	146	372559	52.889	ng	97
13) 1,4-Dichlorobenzene	6.887	146	374674	52.378	ng	100
14) 1,2-Dichlorobenzene	7.034	146	357395	53.645	ng	98
15) Benzyl Alcohol	7.010	79	340532	57.553	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	676985	54.637	ng	99
17) 2-Methylphenol	7.128	107	283203	55.141	ng	# 92
18) Hexachloroethane	7.375	117	143537	54.583	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	268948	55.207	ng	97
20) 3+4-Methylphenols	7.275	107	346263	53.539	ng	90
22) Acetophenone	7.275	105	452164	49.403	ng	# 94
24) Nitrobenzene	7.451	77	411184	52.716	ng	96
25) Isophorone	7.687	82	739348	56.091	ng	100
26) 2-Nitrophenol	7.763	139	191372	57.244	ng	91
27) 2,4-Dimethylphenol	7.804	122	245631	59.781	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	434517	55.159	ng	99
29) 2,4-Dichlorophenol	8.010	162	291632	54.657	ng	96
30) 1,2,4-Trichlorobenzene	8.087	180	327485	52.686	ng	97
31) Naphthalene	8.169	128	1044374	53.287	ng	99
32) Benzoic acid	7.940	122	180737	46.119	ng	91
33) 4-Chloroaniline	8.216	127	163193	23.731	ng	98
34) Hexachlorobutadiene	8.281	225	195877	51.175	ng	99
35) Caprolactam	8.598	113	80700m	46.871	ng	
36) 4-Chloro-3-methylphenol	8.710	107	318285	53.283	ng	96
37) 2-Methylnaphthalene	8.863	142	668188	52.978	ng	98
38) 1-Methylnaphthalene	8.957	142	624659	50.747	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	285396	52.280	ng	98
41) Hexachlorocyclopentadiene	9.010	237	283786	160.161	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	197377	56.682	ng	99

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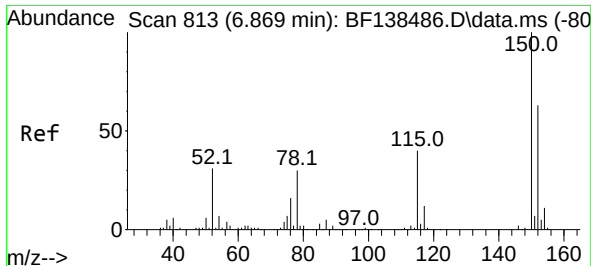
Manual Integrations APPROVED

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 Patel
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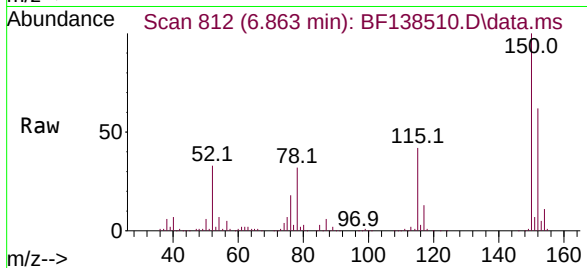
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.187	196	206544	53.929	ng	#	94
46) 1,1'-Biphenyl	9.328	154	782176	52.694	ng		99
47) 2-Chloronaphthalene	9.351	162	619771	55.268	ng		99
48) 2-Nitroaniline	9.445	65	219990	56.612	ng		90
49) Acenaphthylene	9.769	152	935555	58.762	ng		99
50) Dimethylphthalate	9.628	163	718427	56.724	ng		99
51) 2,6-Dinitrotoluene	9.692	165	159008	54.527	ng		100
52) Acenaphthene	9.939	154	573546	54.195	ng		99
53) 3-Nitroaniline	9.857	138	93466	31.272	ng		97
54) 2,4-Dinitrophenol	9.969	184	136542	86.822	ng	#	89
55) Dibenzofuran	10.110	168	828156	53.951	ng		100
56) 4-Nitrophenol	10.028	139	205315	93.099	ng		97
57) 2,4-Dinitrotoluene	10.092	165	199750	52.941	ng		99
58) Fluorene	10.451	166	621728	51.188	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.228	232	158511	52.441	ng		98
60) Diethylphthalate	10.328	149	664974	54.463	ng		99
61) 4-Chlorophenyl-phenyle...	10.445	204	319279	52.349	ng		98
62) 4-Nitroaniline	10.475	138	136249	45.492	ng		97
63) Azobenzene	10.604	77	696860	53.085	ng		99
65) 4,6-Dinitro-2-methylph...	10.498	198	103385	63.616	ng	#	72
66) n-Nitrosodiphenylamine	10.563	169	537105	63.694	ng		98
67) 4-Bromophenyl-phenylether	10.933	248	180766	62.488	ng		95
68) Hexachlorobenzene	10.998	284	190722	59.346	ng		96
69) Atrazine	11.092	200	158693	56.762	ng		99
70) Pentachlorophenol	11.192	266	193532	101.771	ng		96
71) Phenanthrene	11.416	178	804551	56.581	ng		100
72) Anthracene	11.463	178	829170	58.744	ng		99
73) Carbazole	11.622	167	646548	50.971	ng		100
74) Di-n-butylphthalate	11.945	149	901074	61.627	ng		100
75) Fluoranthene	12.598	202	684789	47.196	ng		98
77) Benzidine	12.722	184	215092	54.303	ng		100
78) Pyrene	12.827	202	682835	42.846	ng		100
80) Butylbenzylphthalate	13.439	149	294380	61.404	ng		94
81) Benzo(a)anthracene	14.010	228	594152	56.402	ng		99
82) 3,3'-Dichlorobenzidine	13.974	252	129603	47.746	ng		99
83) Chrysene	14.051	228	573953	57.594	ng		99
84) Bis(2-ethylhexyl)phtha...	13.998	149	415825	81.326	ng		98
85) Di-n-octyl phthalate	14.610	149	718258	88.923	ng		99
87) Indeno(1,2,3-cd)pyrene	16.957	276	551153	42.107	ng		100
88) Benzo(b)fluoranthene	15.063	252	608488	55.447	ng		99
89) Benzo(k)fluoranthene	15.092	252	597920	55.864	ng		99
90) Benzo(a)pyrene	15.427	252	564741	58.580	ng		99
91) Dibenzo(a,h)anthracene	16.974	278	450067	42.035	ng		99
92) Benzo(g,h,i)perylene	17.404	276	391070	34.444	ng		97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

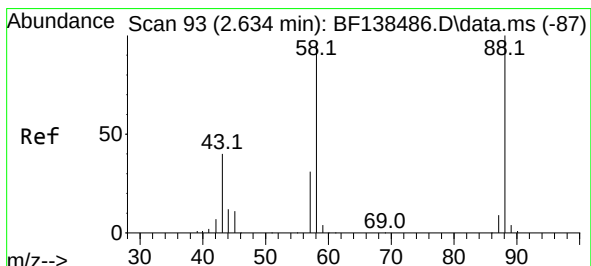
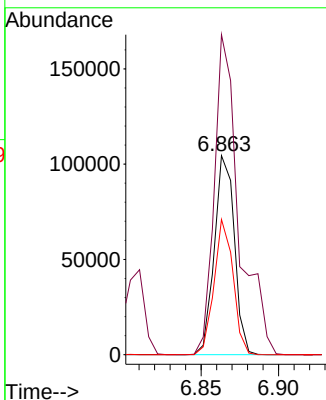
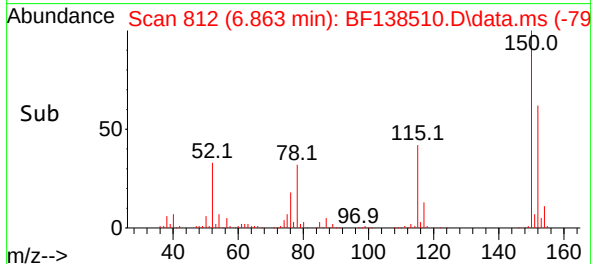


Tgt Ion:152 Resp: 9386
Ion Ratio Lower Upper
152 100
150 160.8 126.2 189.4
115 67.9 50.3 75.5

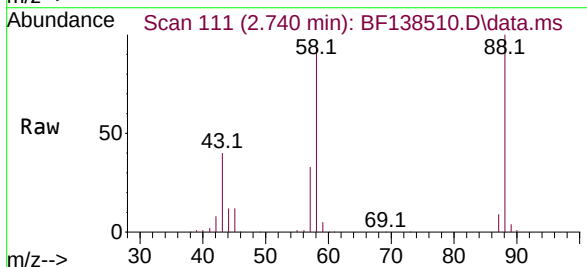
Manual Integrations
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Patel
07/11/2024

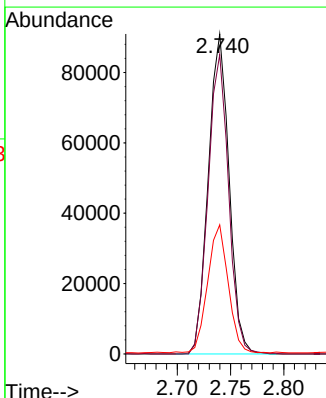
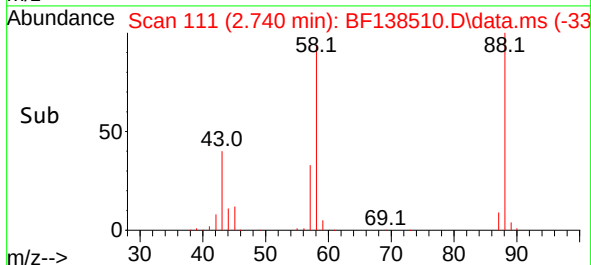
Supervised By :mohammad
ahmed
07/11/2024

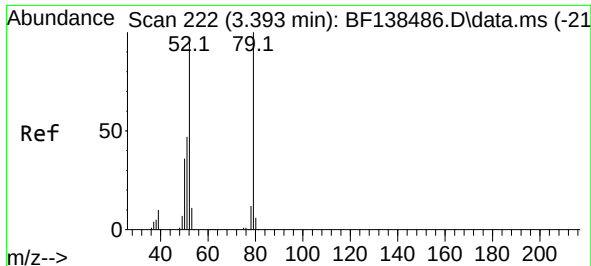


#2
1,4-Dioxane
Concen: 46.914 ng
RT: 2.740 min Scan# 111
Delta R.T. 0.106 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48



Tgt Ion: 88 Resp: 123142
Ion Ratio Lower Upper
88 100
58 92.4 74.6 112.0
43 39.7 31.8 47.6





#3

Pyridine

Concen: 50.114 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF138510.D

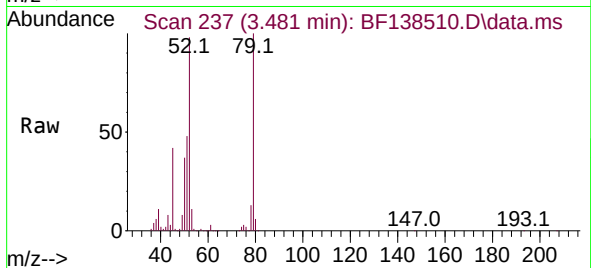
Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD



Tgt Ion: 79	Resp: 324394
Ion Ratio	Lower Upper
79	100
52	98.0 77.4 116.2
51	47.8 37.4 56.0

Manual Integrations

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Reviewed By :Yogesh

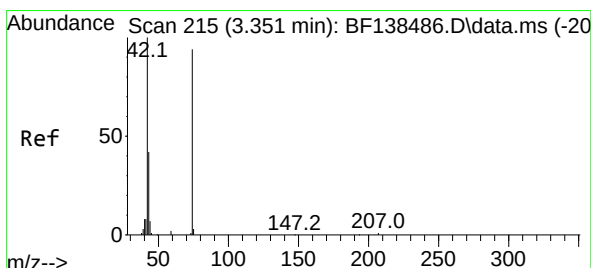
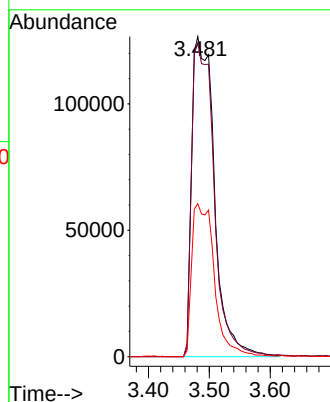
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#4

n-Nitrosodimethylamine

Concen: 56.807 ng

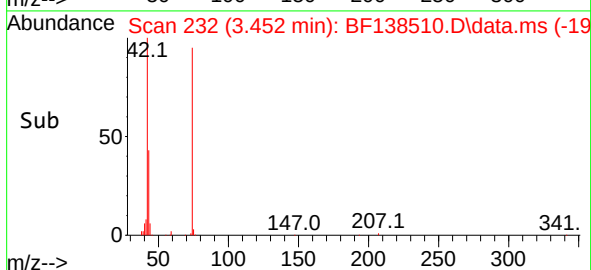
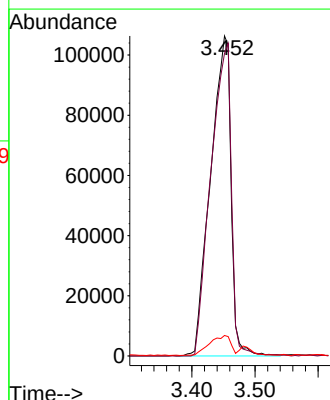
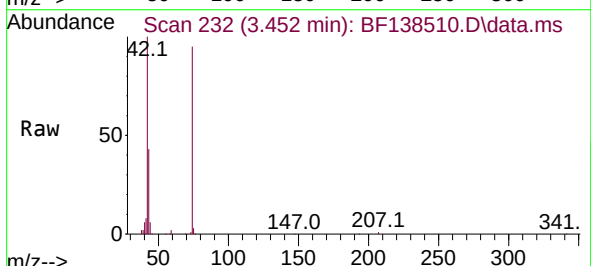
RT: 3.452 min Scan# 232

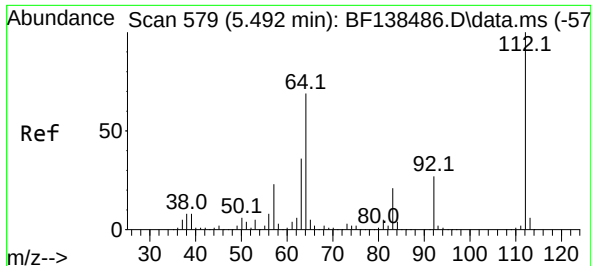
Delta R.T. 0.100 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

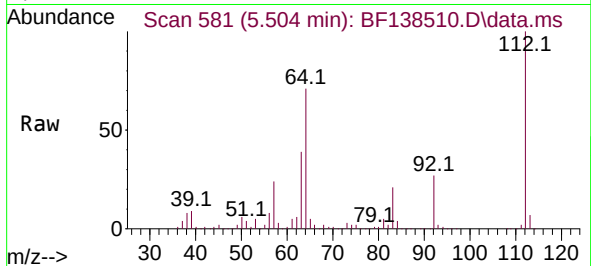
Tgt Ion: 42	Resp: 239376
Ion Ratio	Lower Upper
42	100
74	94.5 75.0 112.6
44	6.4 5.4 8.2





#5
2-Fluorophenol
Concen: 110.484 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

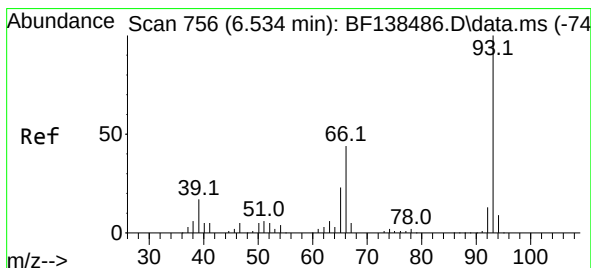
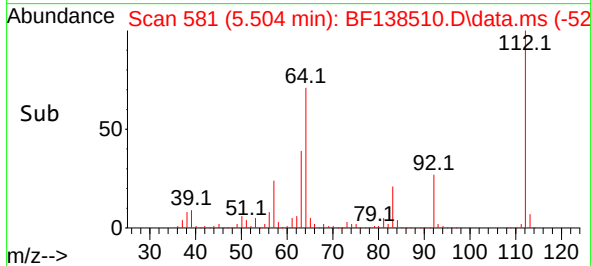
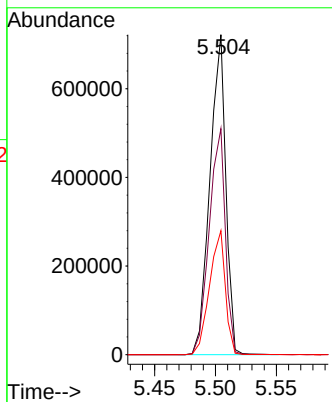


Tgt Ion:112 Resp: 65479
Ion Ratio Lower Upper
112 100
64 70.6 55.1 82.7
63 38.7 29.0 43.6

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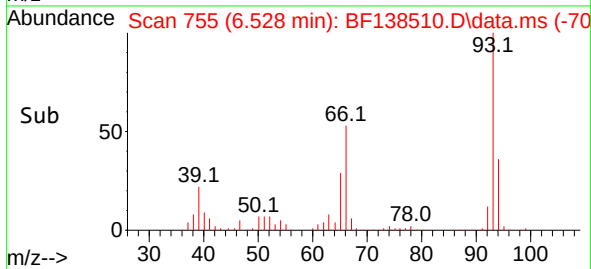
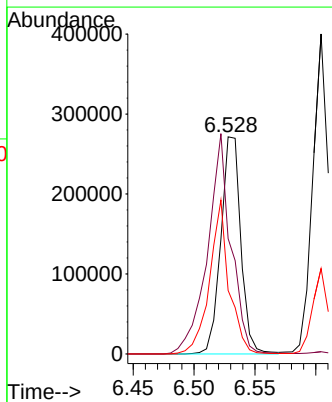
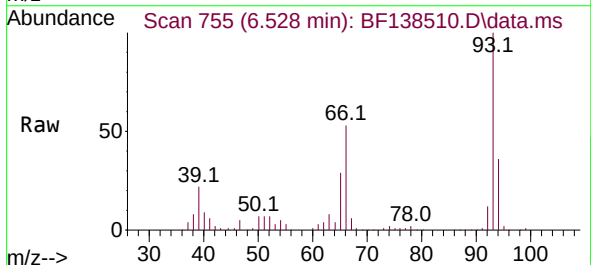
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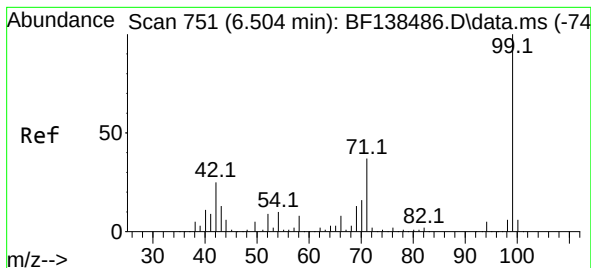
Supervised By :mohammad
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#6
Aniline
Concen: 42.111 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion: 93 Resp: 310974
Ion Ratio Lower Upper
93 100
66 53.1 35.4 53.0#
65 29.2 18.6 27.8#





#7

Phenol-d6

Concen: 113.505 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

Tgt Ion: 99 Resp: 89488

Ion Ratio Lower Upper

99 100

42 23.8 19.7 29.5

71 36.5 29.9 44.9

Manual Integrations

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Reviewed By :Yogesh

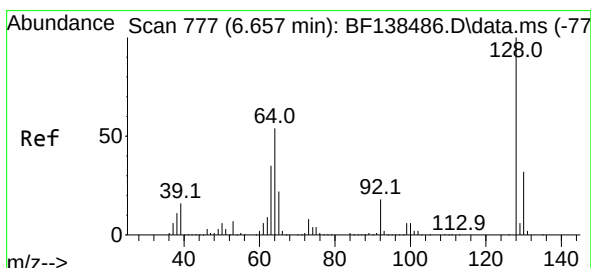
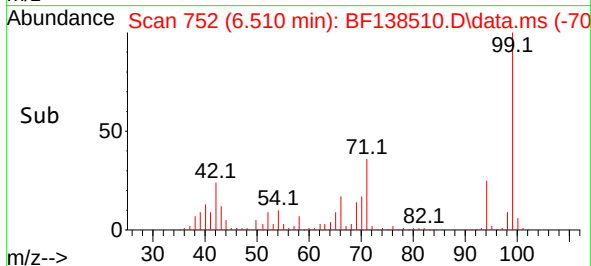
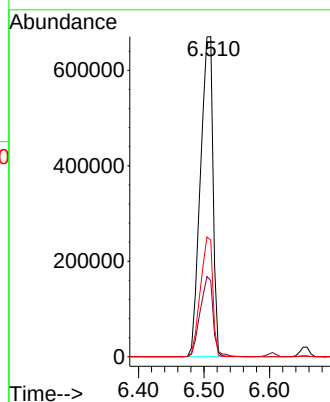
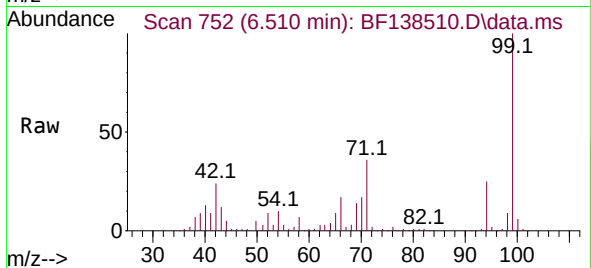
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#8

2-Chlorophenol

Concen: 57.287 ng

RT: 6.657 min Scan# 777

Delta R.T. 0.000 min

Lab File: BF138510.D

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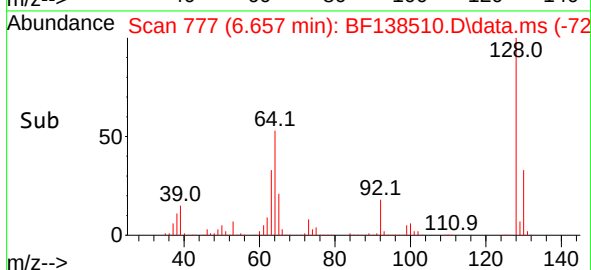
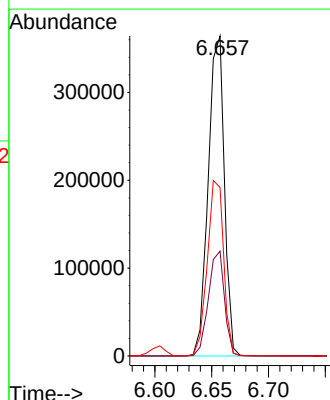
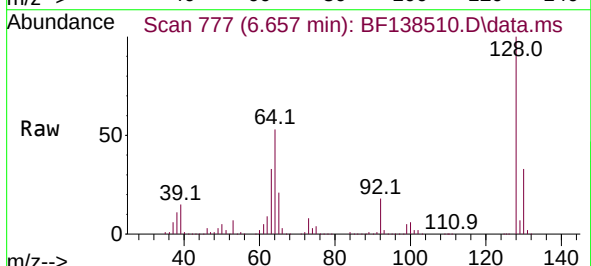
Tgt Ion:128 Resp: 359002

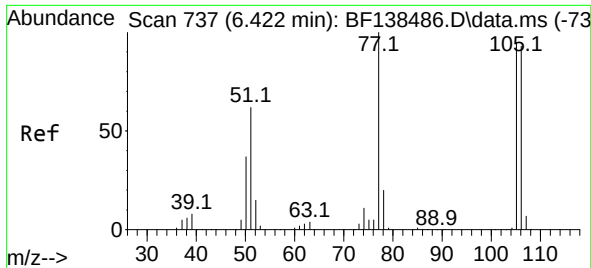
Ion Ratio Lower Upper

128 100

130 32.7 12.1 52.1

64 52.7 34.4 74.4





#9
Benzaldehyde
Concen: 10.717 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

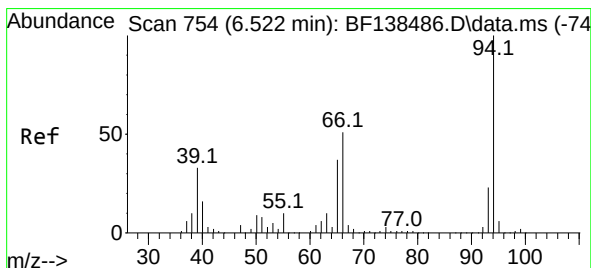
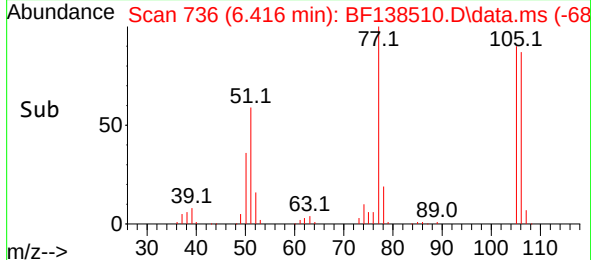
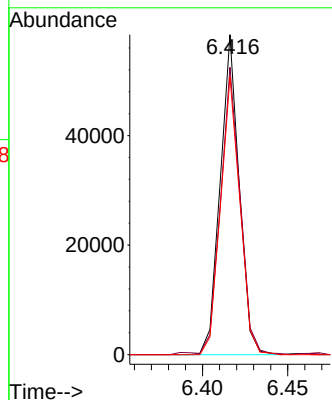
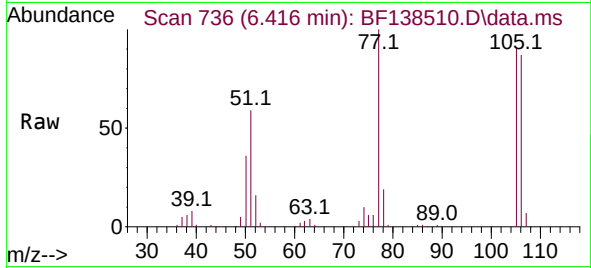
Instrument :
BNA_F
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Tgt Ion: 77 Resp: 45220
Ion Ratio Lower Upper
77 100
105 89.8 75.1 115.1
106 86.9 73.2 113.2

Manual Integrations
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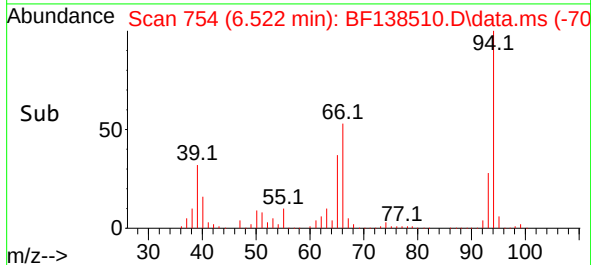
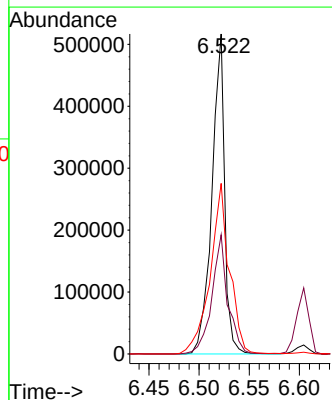
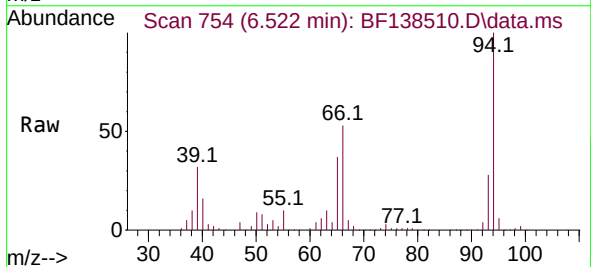
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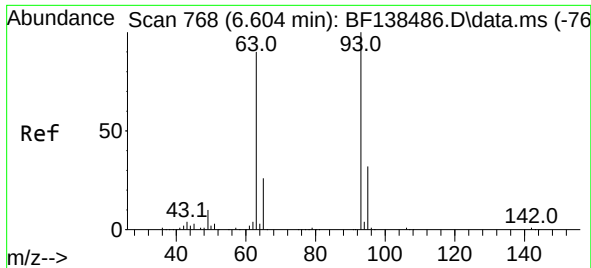
Supervised By :mohammad
ahmed
07/11/2024



#10
Phenol
Concen: 54.702 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

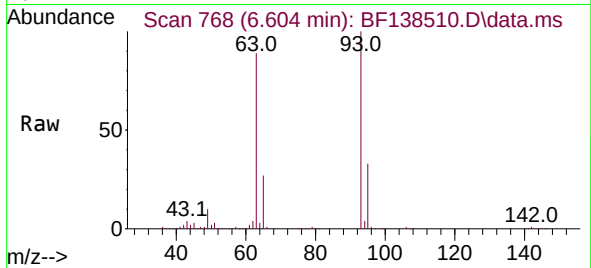
Tgt Ion: 94 Resp: 457777
Ion Ratio Lower Upper
94 100
65 37.2 16.7 56.7
66 53.3 31.2 71.2





#11
bis(2-Chloroethyl)ether
Concen: 55.386 ng
RT: 6.604 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

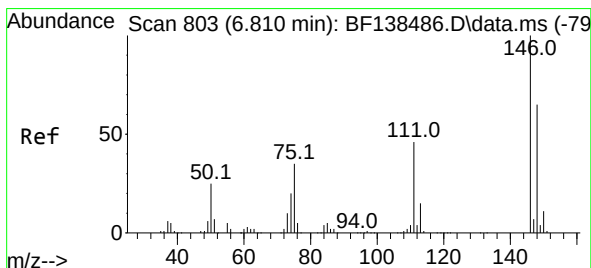
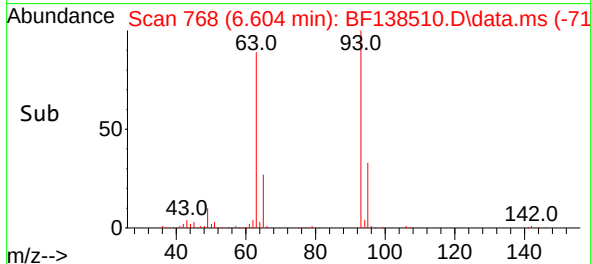
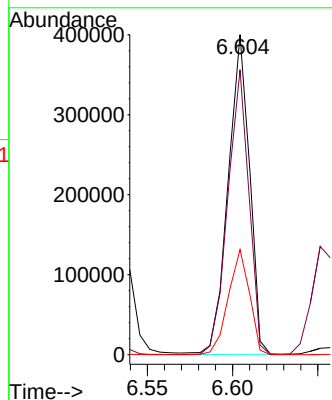


Tgt Ion: 93 Resp: 348969
Ion Ratio Lower Upper
93 100
63 89.0 68.8 108.8
95 32.9 11.8 51.8

Manual Integrations
APPROVED

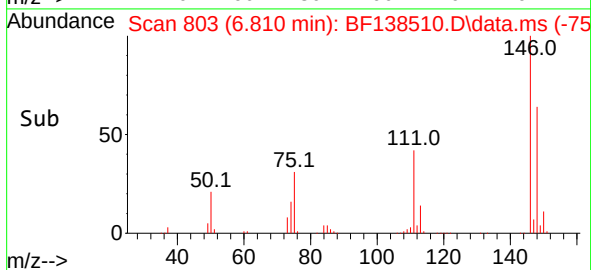
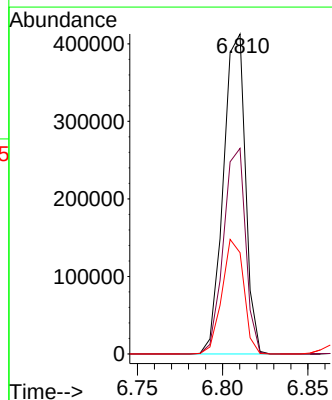
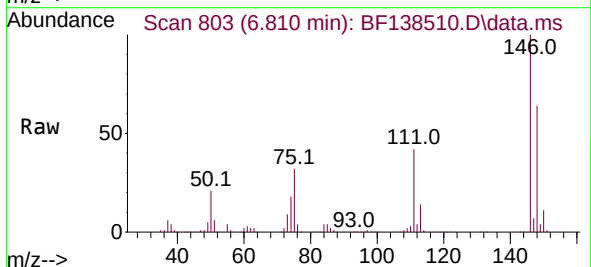
Reviewed By :Yogesh
Patel
07/11/2024

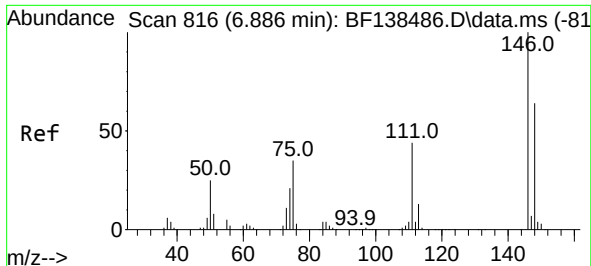
Supervised By :mohammad
ahmed
07/11/2024



#12
1,3-Dichlorobenzene
Concen: 52.889 ng
RT: 6.810 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

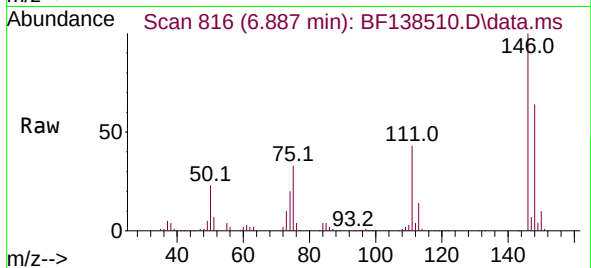
Tgt Ion:146 Resp: 372559
Ion Ratio Lower Upper
146 100
148 64.3 52.4 78.6
75 31.7 27.8 41.8





#13
1,4-Dichlorobenzene
Concen: 52.378 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

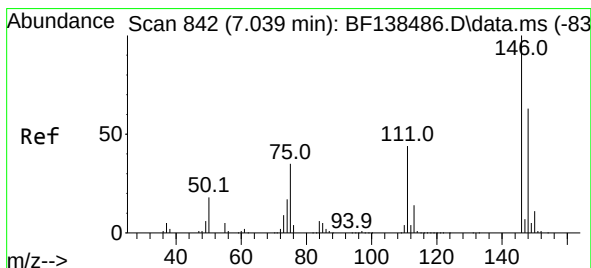
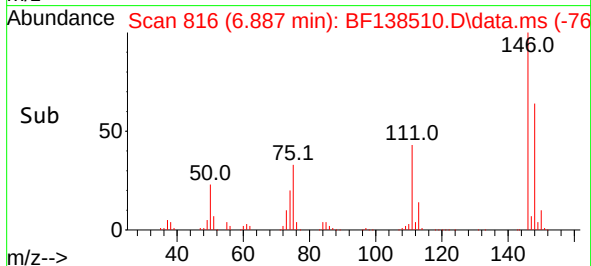
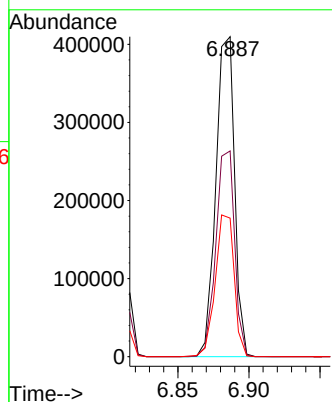


Tgt Ion:146 Resp: 374674
Ion Ratio Lower Upper
146 100
148 64.3 51.6 77.4
111 43.3 34.9 52.3

Manual Integrations
APPROVED

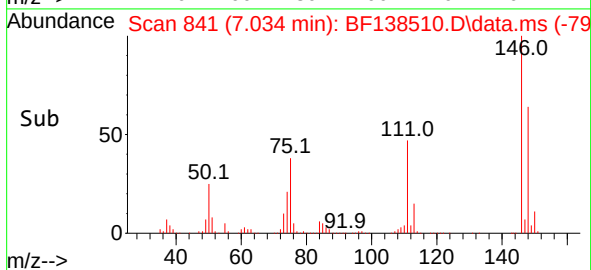
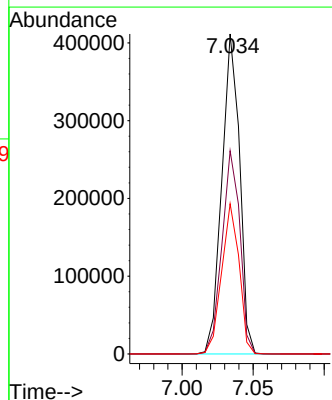
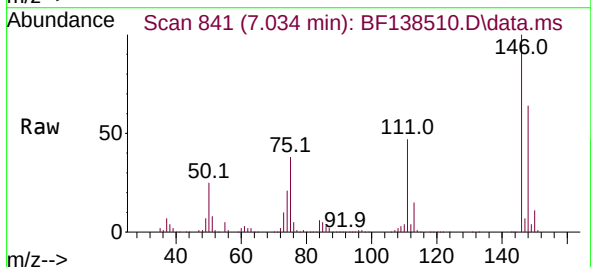
Reviewed By :Yogesh
Patel
07/11/2024

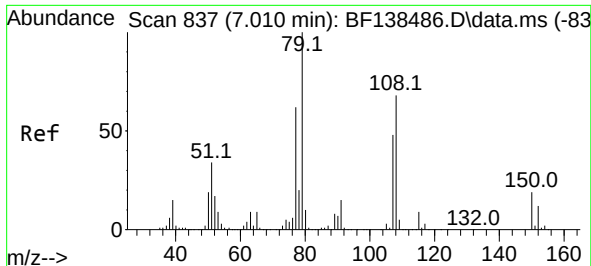
Supervised By :mohammad
ahmed
07/11/2024



#14
1,2-Dichlorobenzene
Concen: 53.645 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

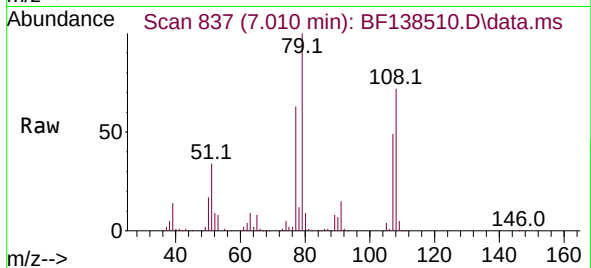
Tgt Ion:146 Resp: 357395
Ion Ratio Lower Upper
146 100
148 63.5 50.1 75.1
111 47.0 35.5 53.3





#15
Benzyl Alcohol
Concen: 57.553 ng
RT: 7.010 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

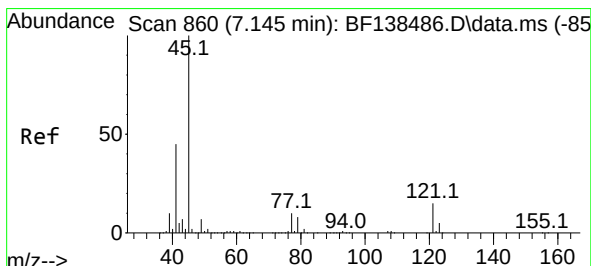
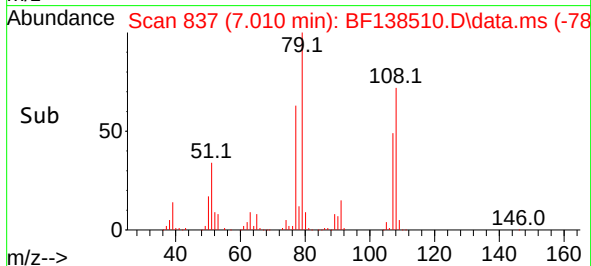
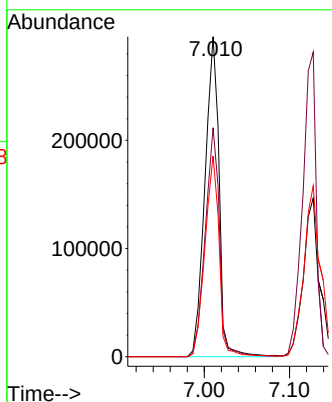


Tgt Ion: 79 Resp: 340532
Ion Ratio Lower Upper
79 100
108 71.6 54.3 81.5
77 62.7 50.0 75.0

Manual Integrations
APPROVED

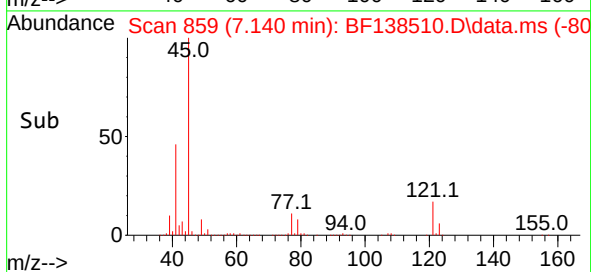
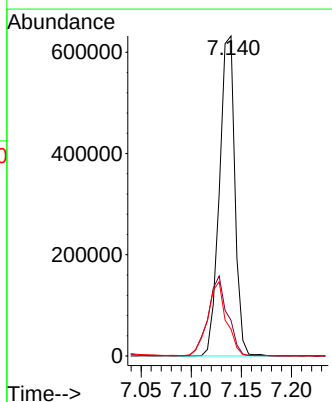
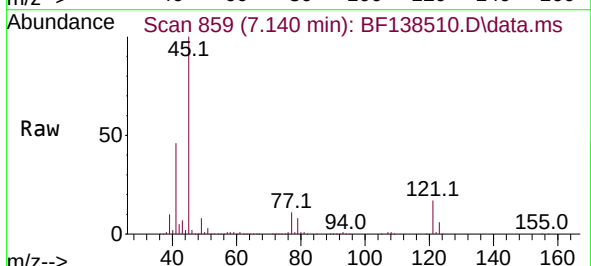
Reviewed By :Yogesh
Patel
07/11/2024

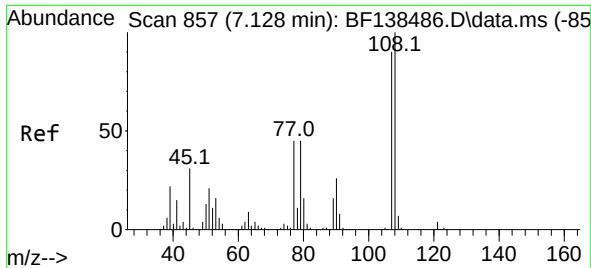
Supervised By :mohammad
ahmed
07/11/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.637 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

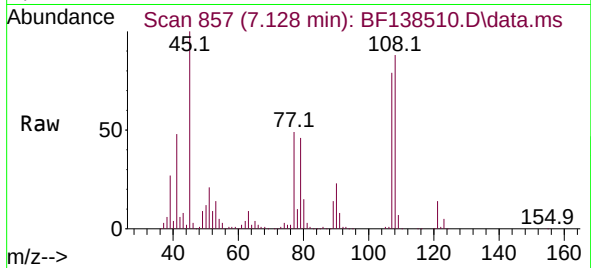
Tgt Ion: 45 Resp: 676985
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.4
79 8.3 0.0 28.1





#17
2-Methylphenol
Concen: 55.141 ng
RT: 7.128 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

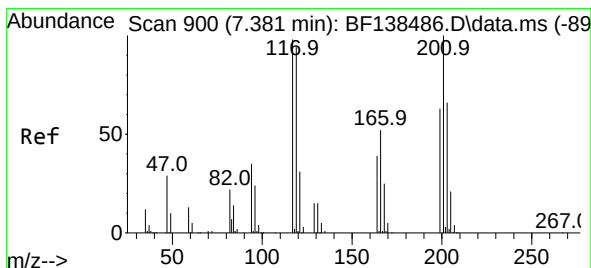
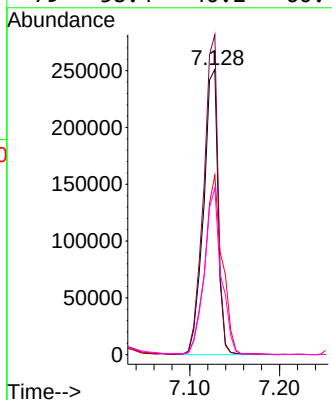


Tgt Ion:107 Resp: 28320
Ion Ratio Lower Upper
107 100
108 112.2 89.0 133.4
77 62.9 40.3 60.5
79 58.4 40.2 60.4

Manual Integrations
APPROVED

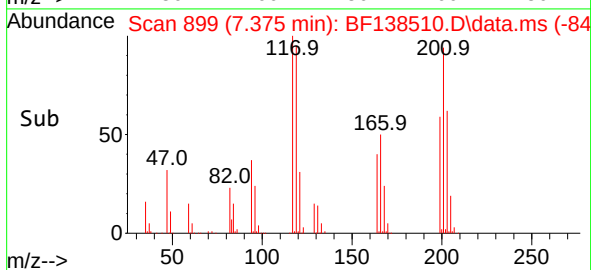
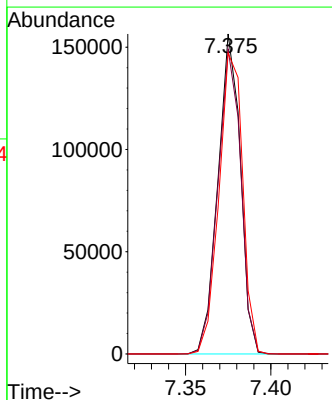
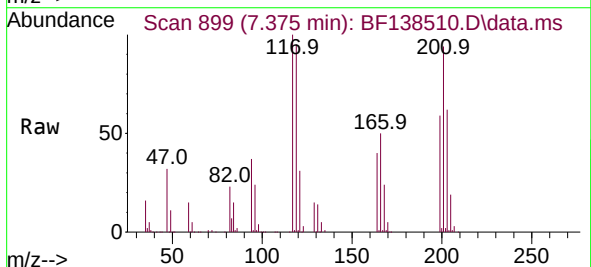
Reviewed By :Yogesh
Patel
07/11/2024

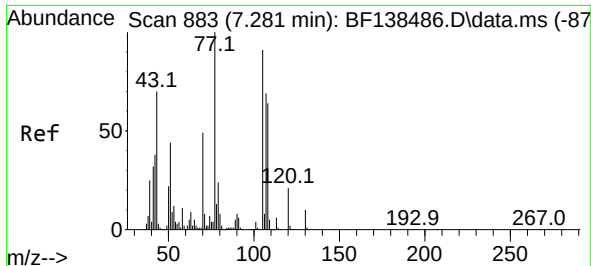
Supervised By :mohammad
ahmed
07/11/2024



#18
Hexachloroethane
Concen: 54.583 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

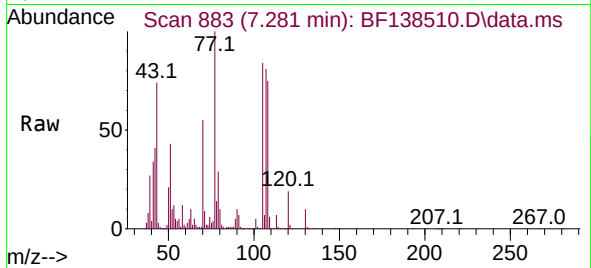
Tgt Ion:117 Resp: 143537
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
201 94.1 81.4 122.0





#19
n-Nitroso-di-n-propylamine
Concen: 55.207 ng
RT: 7.281 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

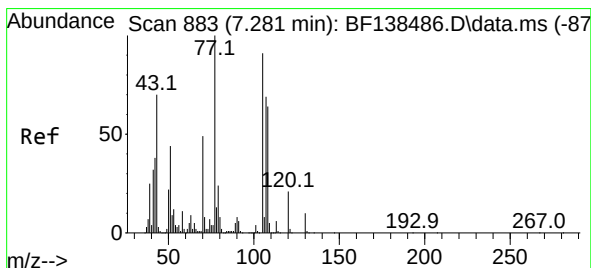
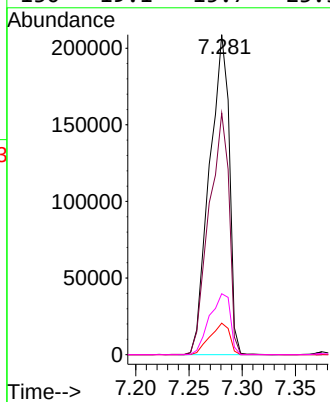
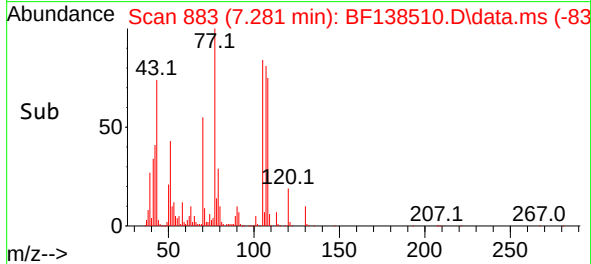


Tgt Ion: 70 Resp: 268944
Ion Ratio Lower Upper
70 100
42 75.5 62.4 93.6
101 9.8 7.2 10.8
130 19.1 15.7 23.5

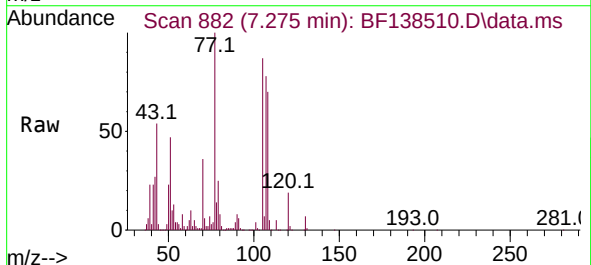
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
07/11/2024

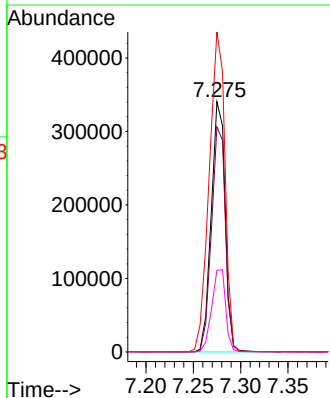
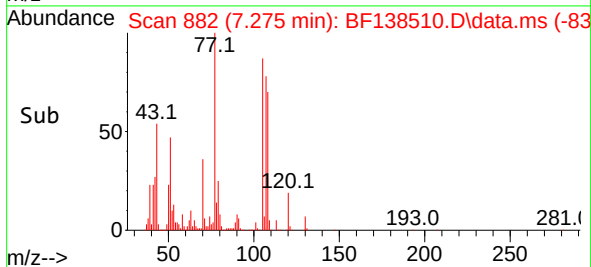
Supervised By :mohammad
ahmed
07/11/2024

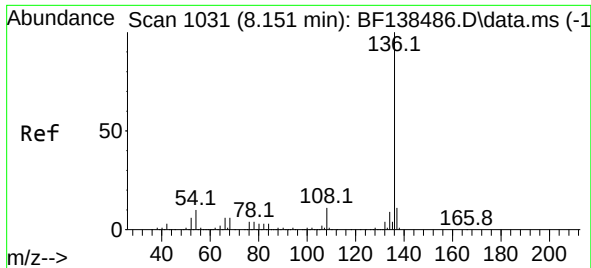


#20
3+4-Methylphenols
Concen: 53.539 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48



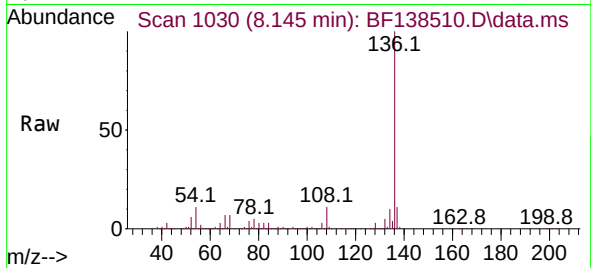
Tgt Ion:107 Resp: 346263
Ion Ratio Lower Upper
107 100
108 90.0 73.7 113.7
77 127.9 126.0 166.0
79 32.6 15.4 55.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

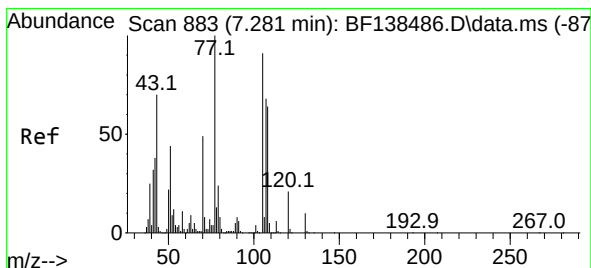
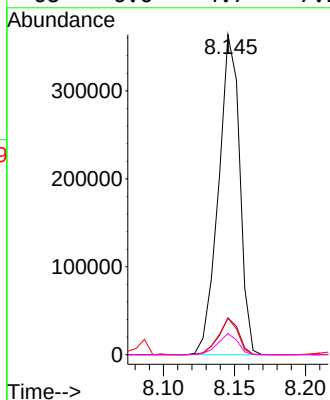
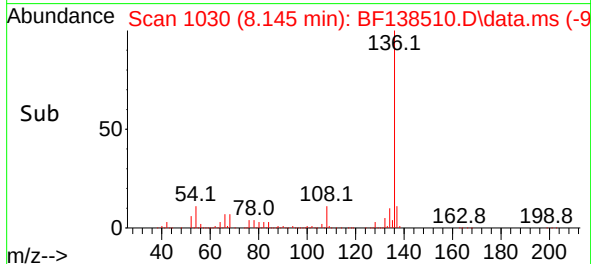


Tgt Ion:136 Resp: 376849
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 11.4 8.1 12.1
68 6.6 4.7 7.1

Manual Integrations
APPROVED

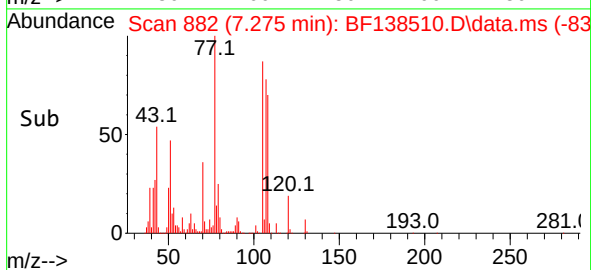
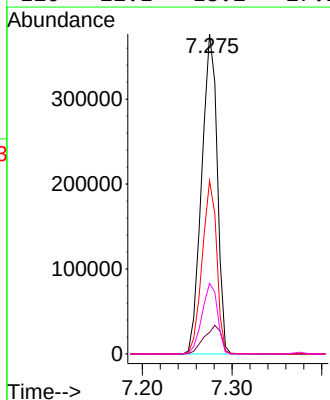
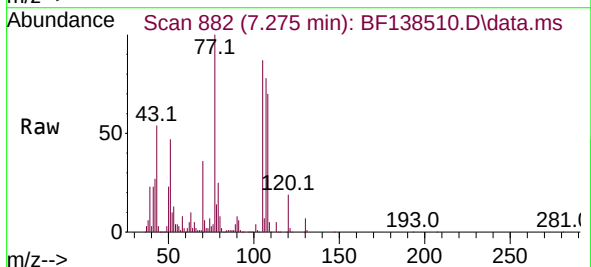
Reviewed By :Yogesh
Patel
07/11/2024

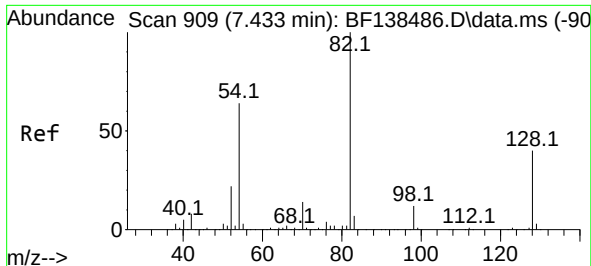
Supervised By :mohammad
ahmed
07/11/2024



#22
Acetophenone
Concen: 49.403 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:105 Resp: 452164
Ion Ratio Lower Upper
105 100
71 6.8 7.4 11.2#
51 54.1 38.7 58.1
120 22.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 77.146 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF138510.D

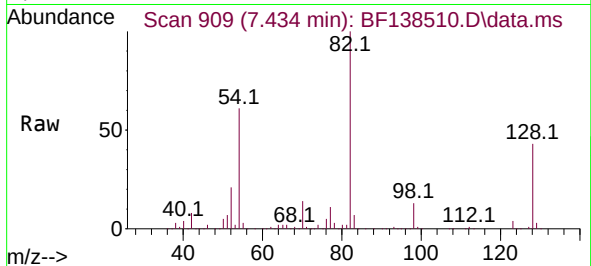
Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD



Tgt Ion: 82 Resp: 592130

Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.3	48.5
54	61.4	51.4	77.0

Manual Integrations

APPROVED

Reviewed By :Yogesh

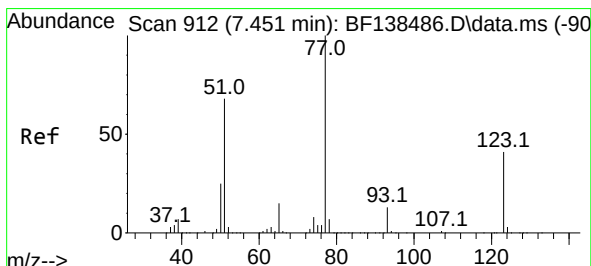
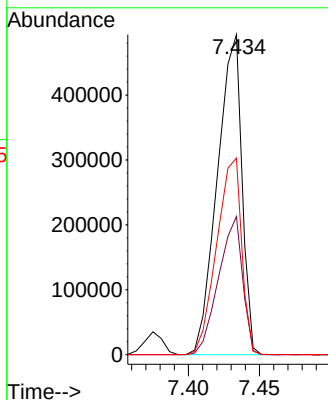
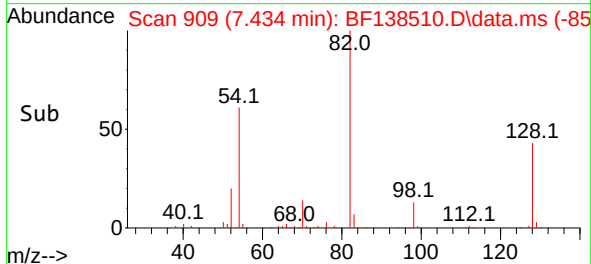
Patel

07/11/2024

Supervised By :mohammad

ahmed

07/11/2024



#24

Nitrobenzene

Concen: 52.716 ng

RT: 7.451 min Scan# 912

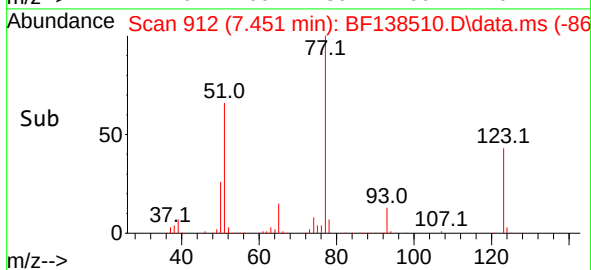
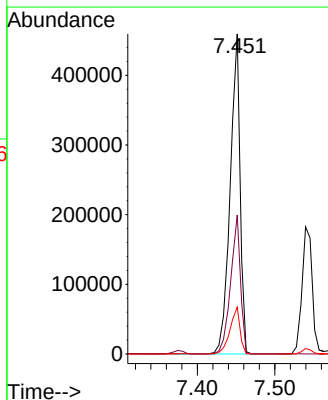
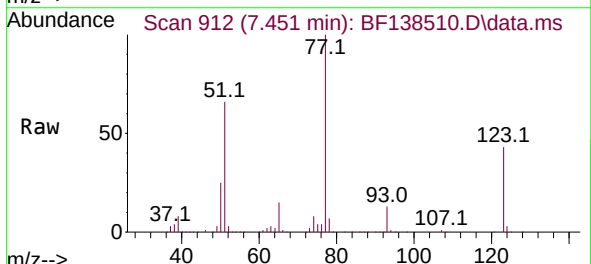
Delta R.T. 0.000 min

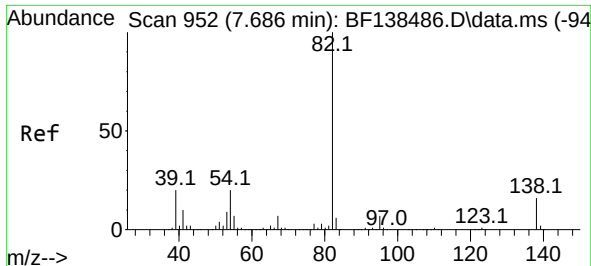
Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Tgt Ion: 77 Resp: 411184

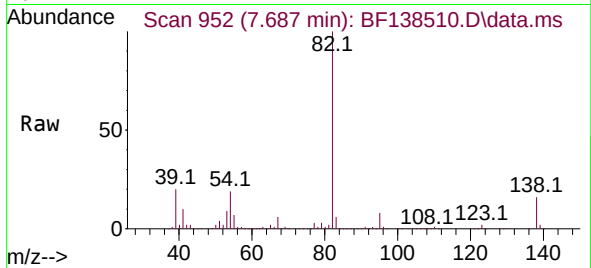
Ion	Ratio	Lower	Upper
77	100		
123	43.4	32.4	48.6
65	14.7	11.8	17.8





#25
Isophorone
Concen: 56.091 ng
RT: 7.687 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

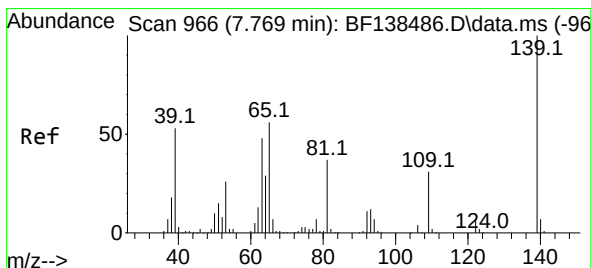
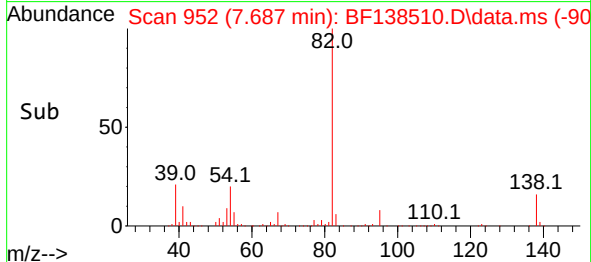
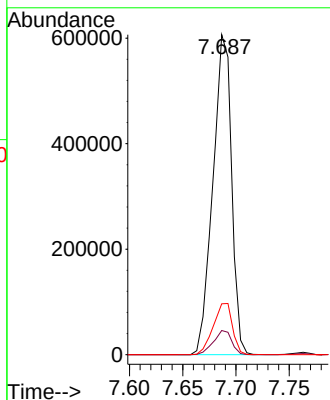


Tgt Ion: 82 Resp: 739348
Ion Ratio Lower Upper
82 100
95 7.6 6.0 9.0
138 15.9 12.8 19.2

Manual Integrations
APPROVED

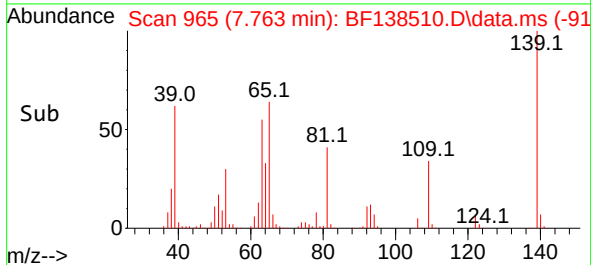
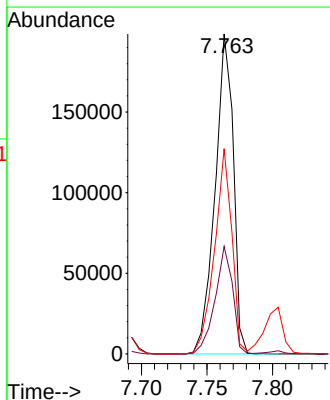
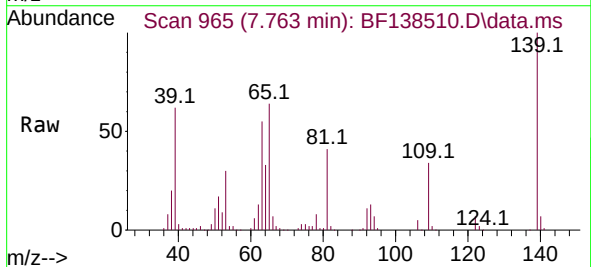
Reviewed By :Yogesh
Patel
07/11/2024

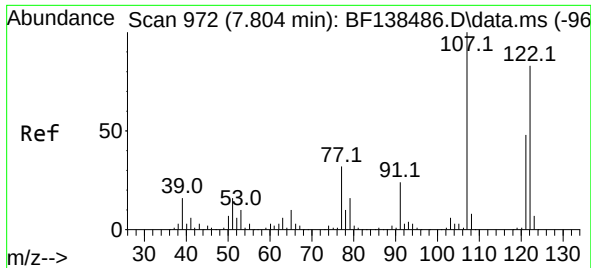
Supervised By :mohammad
ahmed
07/11/2024



#26
2-Nitrophenol
Concen: 57.244 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:139 Resp: 191372
Ion Ratio Lower Upper
139 100
109 33.6 24.8 37.2
65 64.2 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 59.781 ng

RT: 7.804 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

Tgt Ion:122 Resp: 24563

Ion Ratio Lower Upper

122 100

107 116.8 96.3 144.5

121 58.1 46.7 70.1

Manual Integrations

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Reviewed By :Yogesh

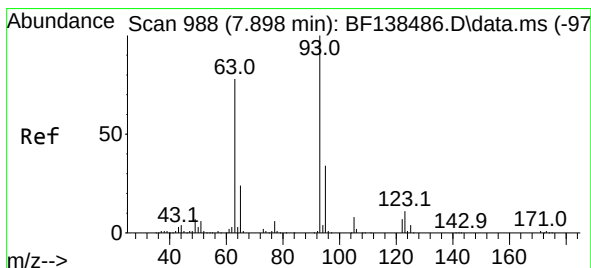
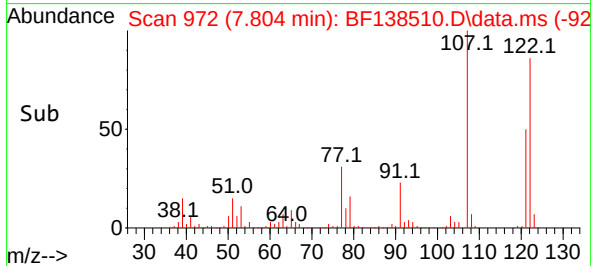
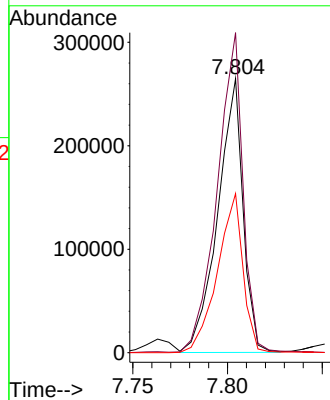
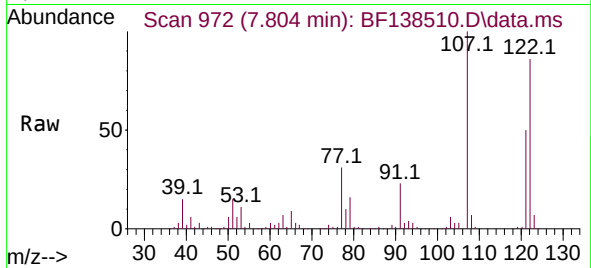
Patel

07/11/2024

Supervised By :mohammad

ahmed

07/11/2024



#28

bis(2-Chloroethoxy)methane

Concen: 55.159 ng

RT: 7.898 min Scan# 988

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

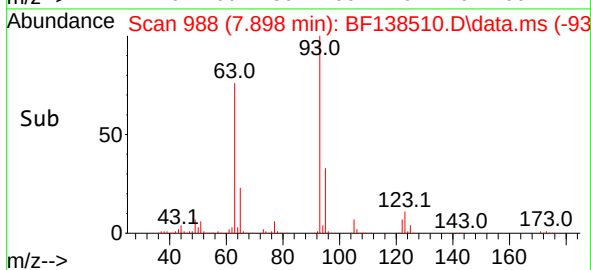
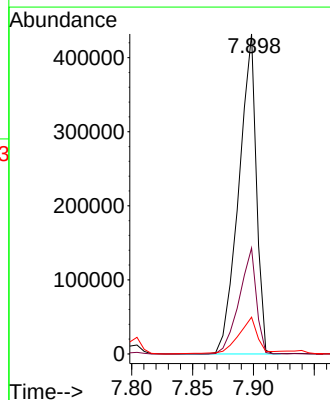
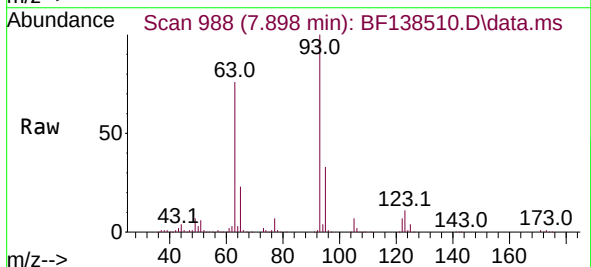
Tgt Ion: 93 Resp: 434517

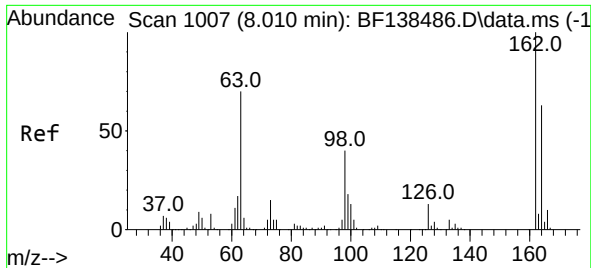
Ion Ratio Lower Upper

93 100

95 33.1 27.0 40.6

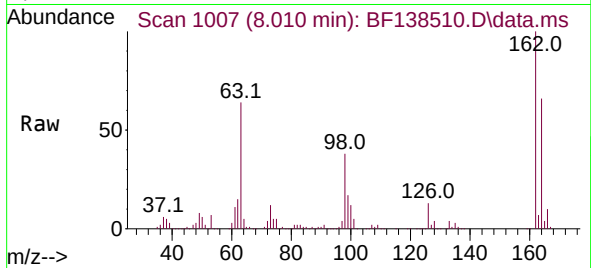
123 11.5 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 54.657 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

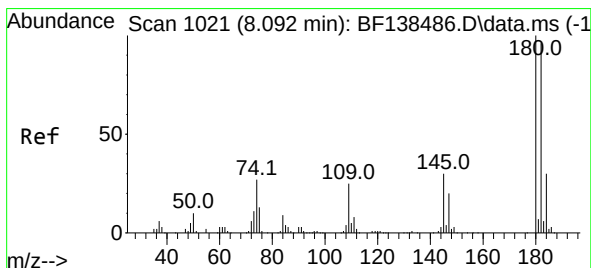
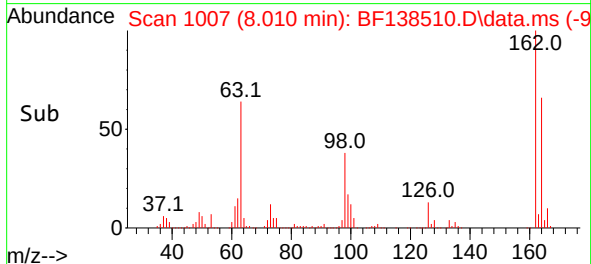
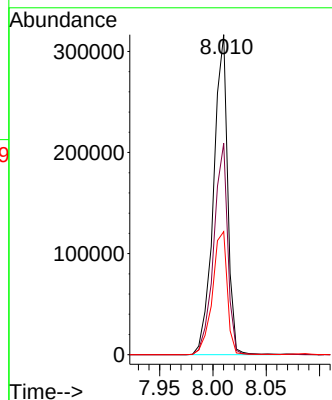


Tgt Ion:162 Resp: 291632
Ion Ratio Lower Upper
162 100
164 66.1 42.6 82.6
98 38.4 20.1 60.1

Manual Integrations
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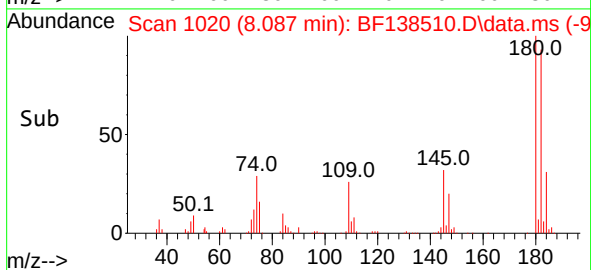
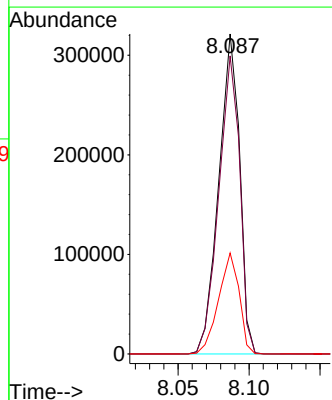
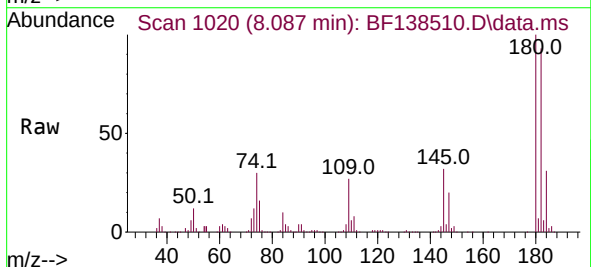
Reviewed By :Yogesh
Patel
07/11/2024

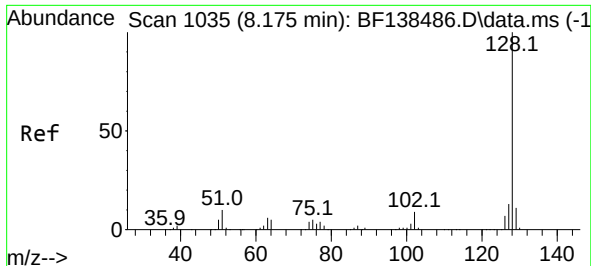
Supervised By :mohammad
ahmed
07/11/2024



#30
1,2,4-Trichlorobenzene
Concen: 52.686 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

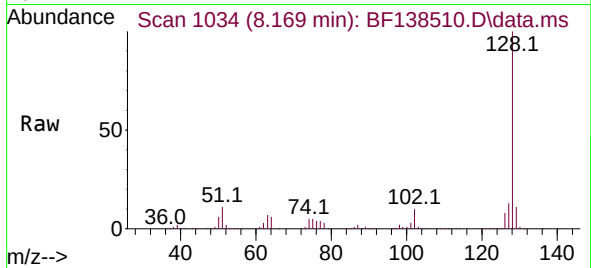
Tgt Ion:180 Resp: 327485
Ion Ratio Lower Upper
180 100
182 93.1 76.9 115.3
145 31.6 23.9 35.9





#31
Naphthalene
Concen: 53.287 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

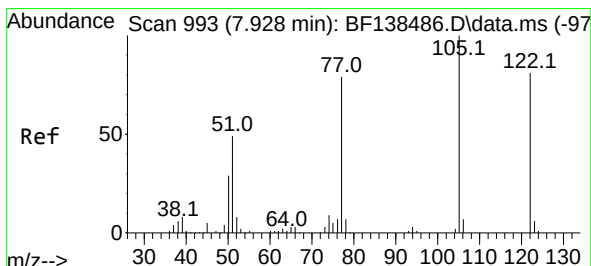
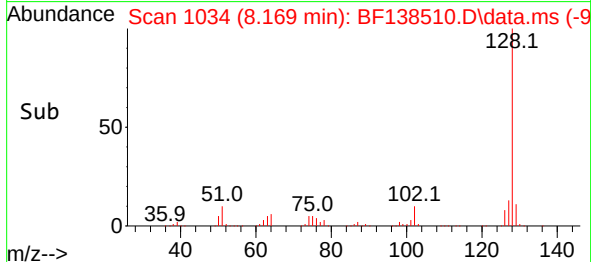
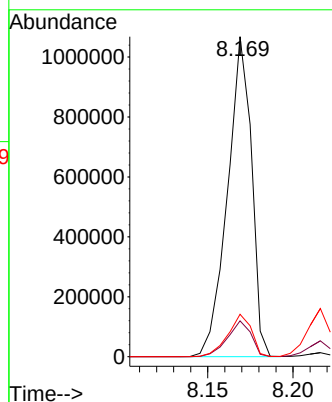


Tgt Ion:128 Resp: 1044374
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.2 10.7 16.1

Manual Integrations
APPROVED

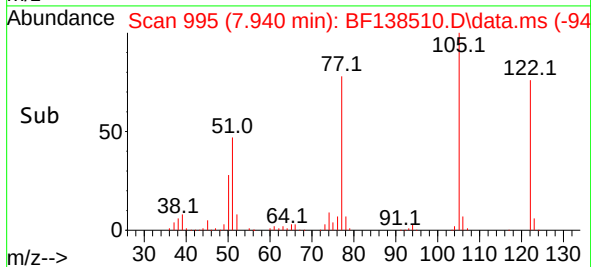
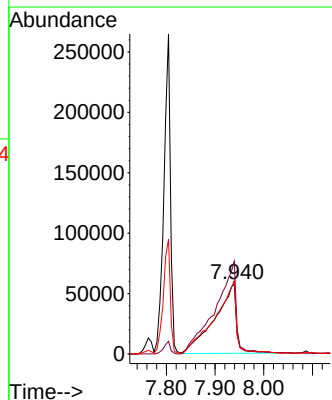
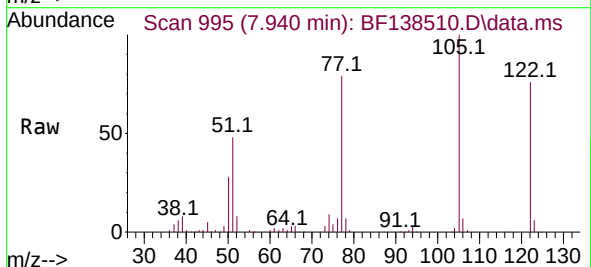
Reviewed By :Yogesh
Patel
07/11/2024

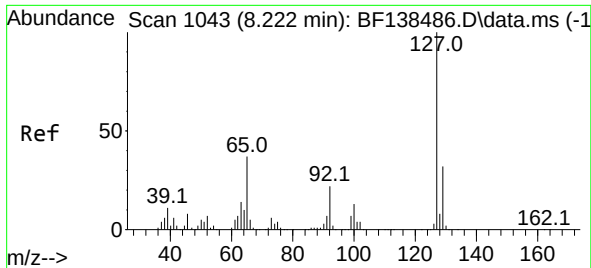
Supervised By :mohammad
ahmed
07/11/2024



#32
Benzoic acid
Concen: 46.119 ng
RT: 7.940 min Scan# 995
Delta R.T. 0.012 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

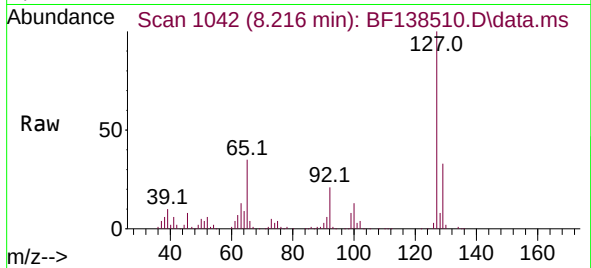
Tgt Ion:122 Resp: 180737
Ion Ratio Lower Upper
122 100
105 132.2 101.5 141.5
77 104.5 77.3 117.3





#33
4-Chloroaniline
Concen: 23.731 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

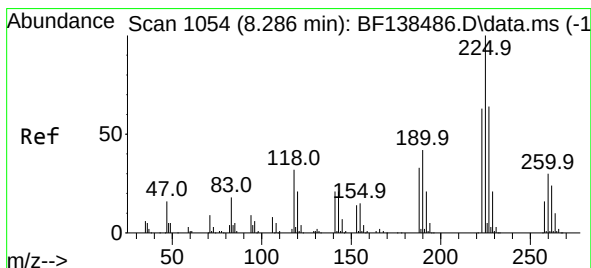
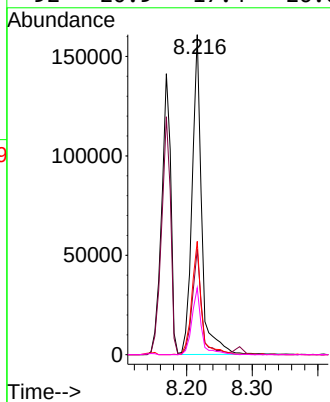
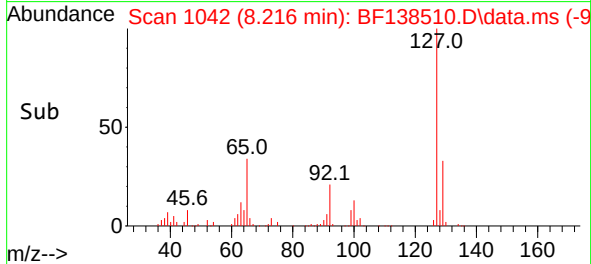


Tgt Ion:127 Resp: 16319
Ion Ratio Lower Upper
127 100
129 32.9 25.6 38.4
65 35.4 29.6 44.4
92 20.9 17.4 26.0

Manual Integrations
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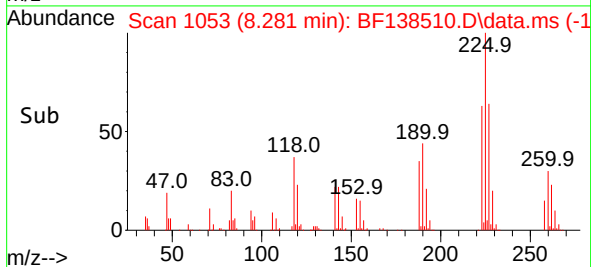
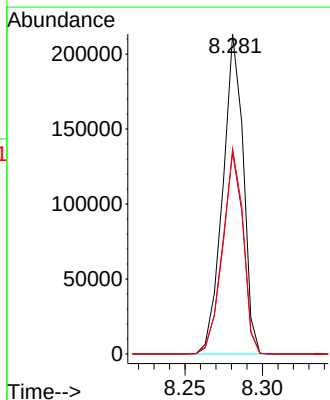
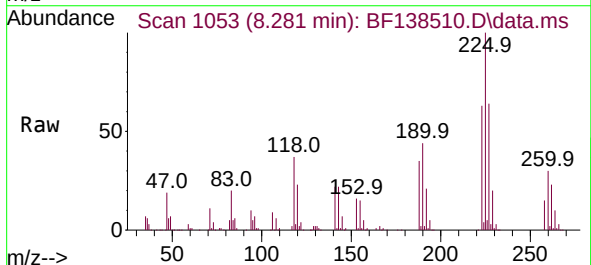
Reviewed By :Yogesh
Patel
07/11/2024

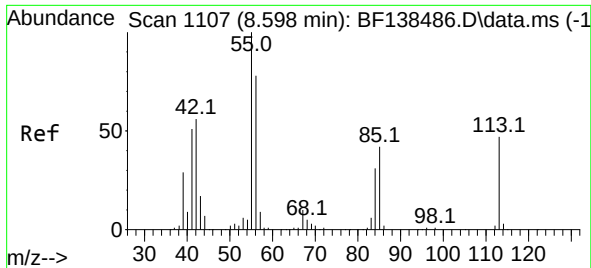
Supervised By :mohammad
ahmed
07/11/2024



#34
Hexachlorobutadiene
Concen: 51.175 ng
RT: 8.281 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

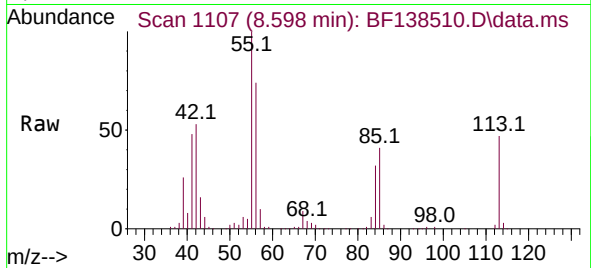
Tgt Ion:225 Resp: 195877
Ion Ratio Lower Upper
225 100
223 62.9 50.0 75.0
227 64.2 51.0 76.6





#35
Caprolactam
Concen: 46.871 ng m
RT: 8.598 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

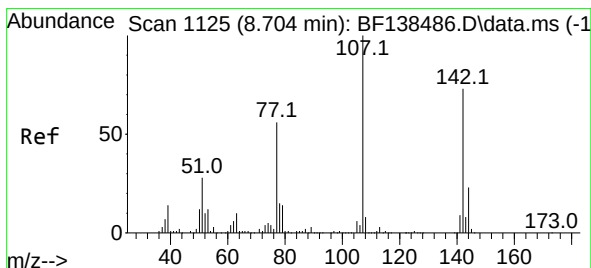
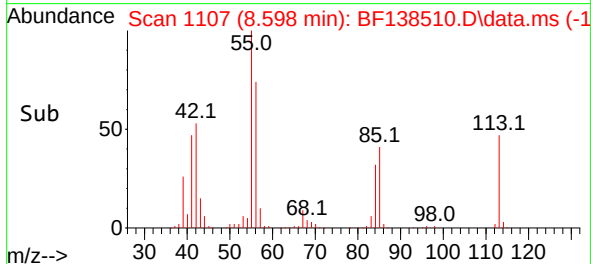
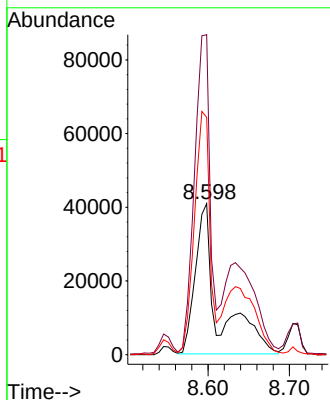


Tgt Ion:113 Resp: 80700
Ion Ratio Lower Upper
113 100
55 211.9 192.5 232.5
56 157.1 145.3 185.3

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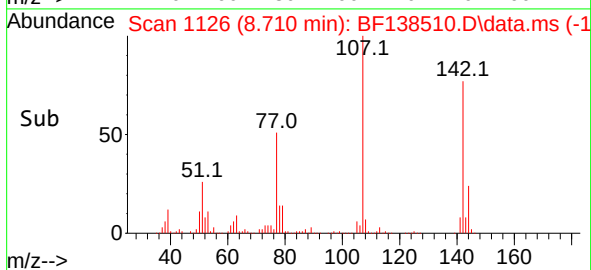
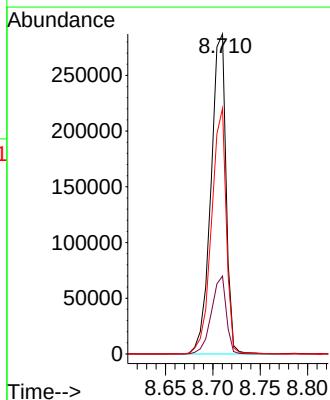
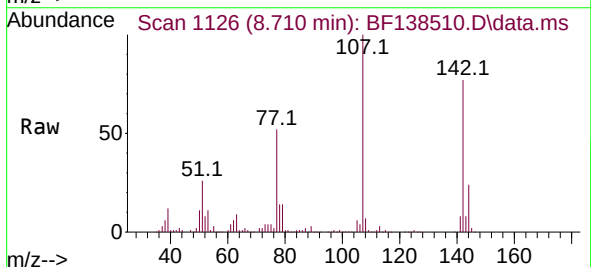
Reviewed By :Yogesh
Patel
07/11/2024

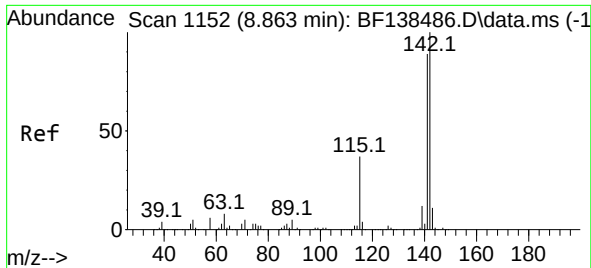
Supervised By :mohammad
ahmed
07/11/2024



#36
4-Chloro-3-methylphenol
Concen: 53.283 ng
RT: 8.710 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:107 Resp: 318285
Ion Ratio Lower Upper
107 100
144 24.3 18.6 27.8
142 76.8 58.6 88.0





#37
2-Methylnaphthalene
Concen: 52.978 ng
RT: 8.863 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

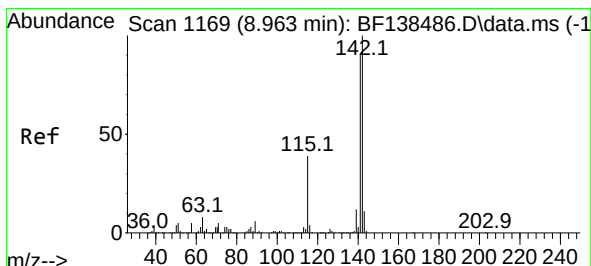
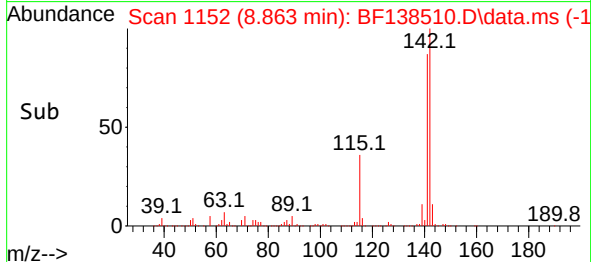
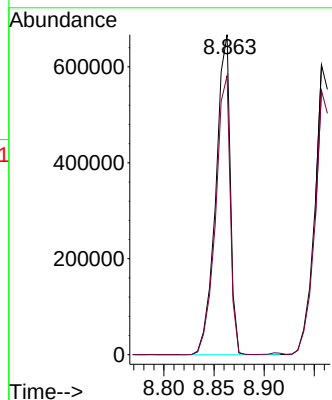
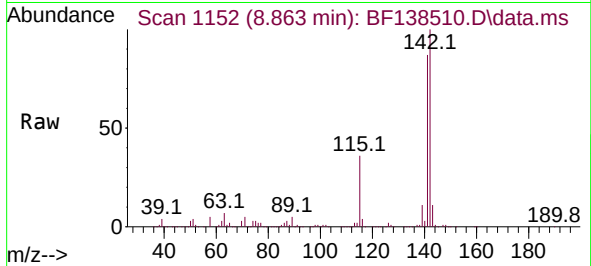
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

Tgt Ion:142 Resp: 66818
Ion Ratio Lower Upper
142 100
141 87.1 71.4 107.0

Manual Integrations
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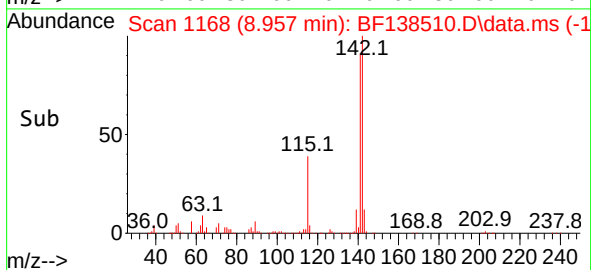
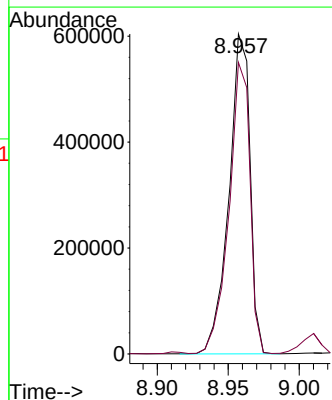
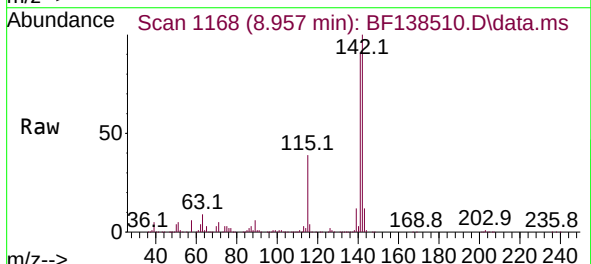
Reviewed By :Yogesh
Patel
07/11/2024

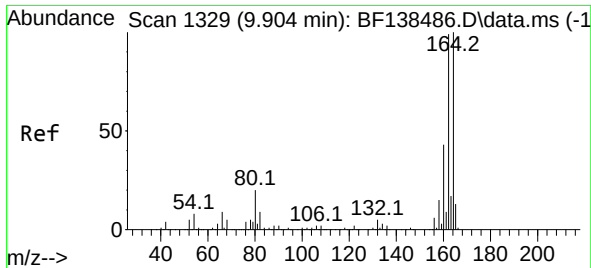
Supervised By :mohammad
ahmed
07/11/2024



#38
1-Methylnaphthalene
Concen: 50.747 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

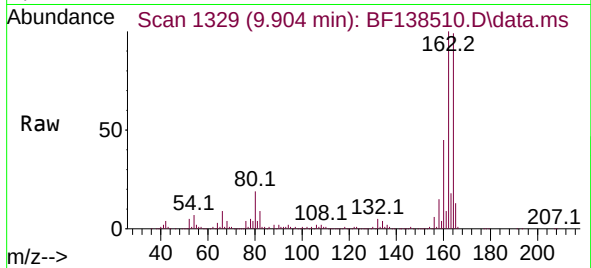
Tgt Ion:142 Resp: 624659
Ion Ratio Lower Upper
142 100
141 91.1 72.6 108.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

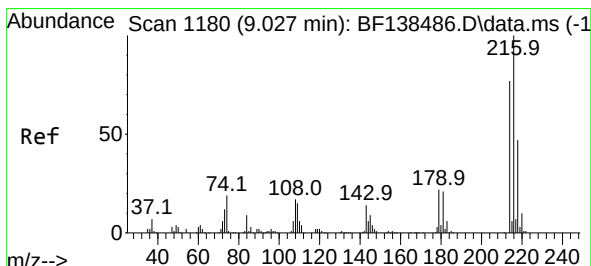
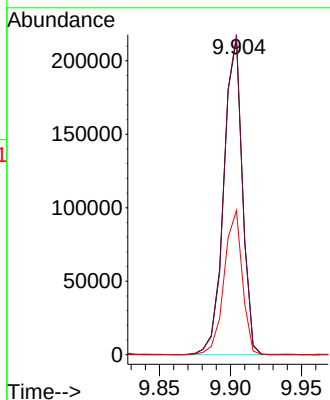
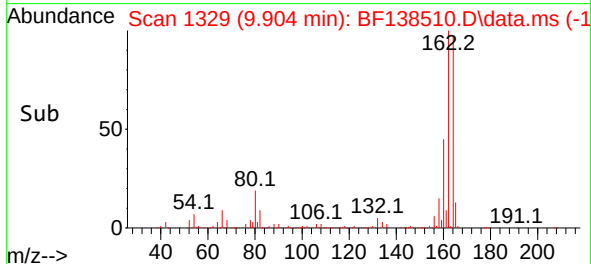


Tgt Ion:164 Resp: 195868
Ion Ratio Lower Upper
164 100
162 101.3 79.0 118.6
160 45.6 34.4 51.6

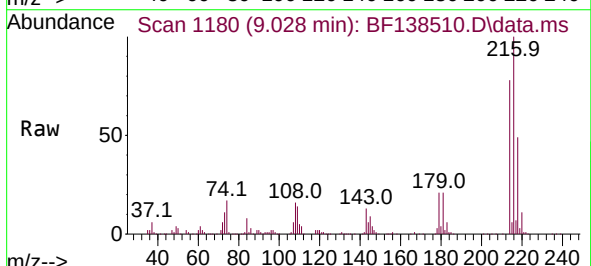
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
07/11/2024

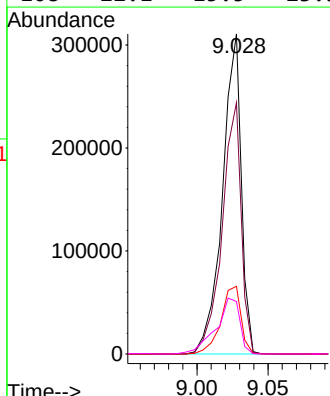
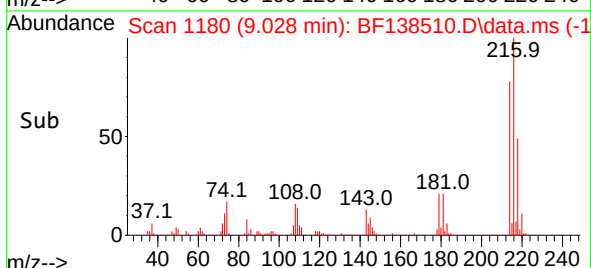
Supervised By :mohammad
ahmed
07/11/2024

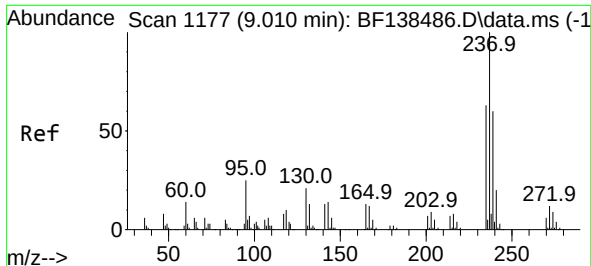


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.280 ng
RT: 9.028 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48



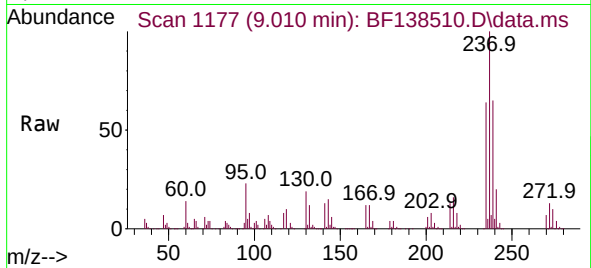
Tgt Ion:216 Resp: 285396
Ion Ratio Lower Upper
216 100
214 79.7 62.8 94.2
179 22.6 17.7 26.5
108 22.1 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 160.161 ng
RT: 9.010 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

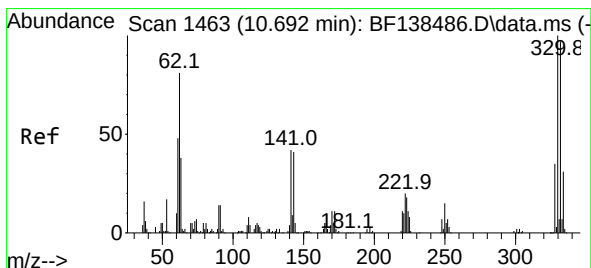
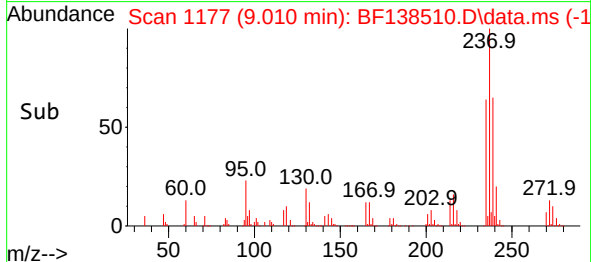
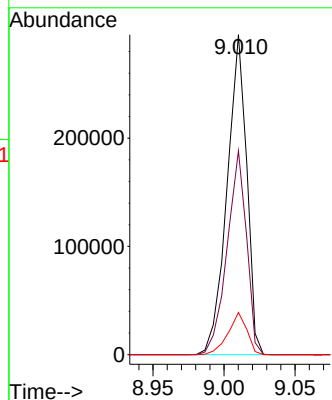


Tgt Ion:237 Resp: 283780
Ion Ratio Lower Upper
237 100
235 63.7 43.3 83.3
272 13.2 0.0 32.3

Manual Integrations
APPROVED

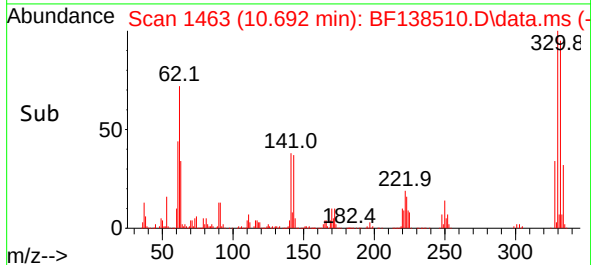
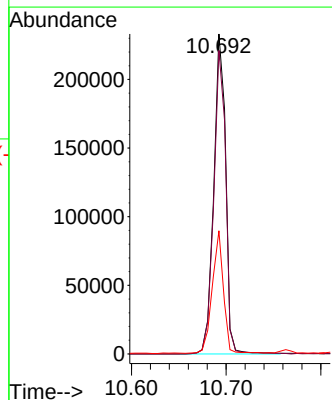
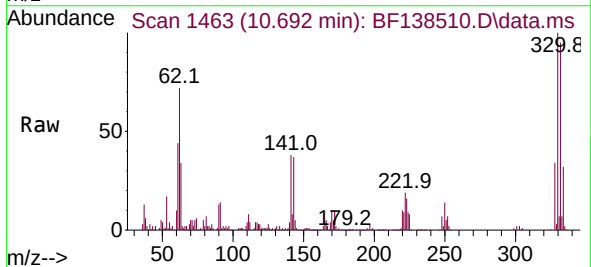
Reviewed By :Yogesh
Patel
07/11/2024

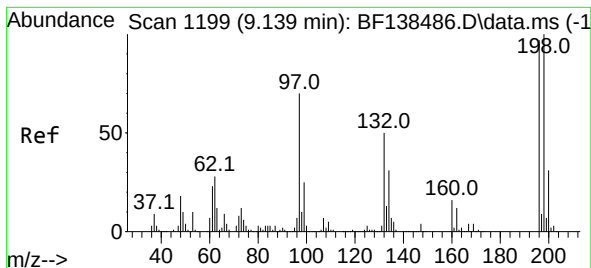
Supervised By :mohammad
ahmed
07/11/2024



#42
2,4,6-Tribromophenol
Concen: 111.467 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

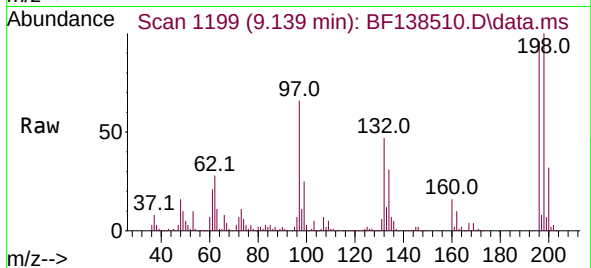
Tgt Ion:330 Resp: 204050
Ion Ratio Lower Upper
330 100
332 95.3 76.8 115.2
141 35.8 29.4 44.2





#43
2,4,6-Trichlorophenol
Concen: 56.682 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

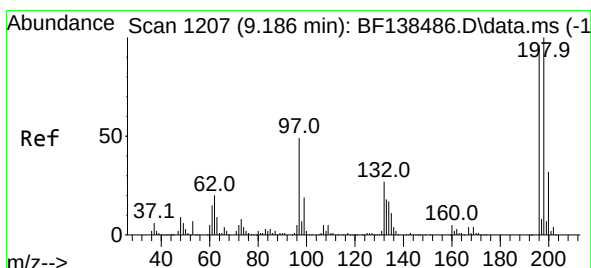
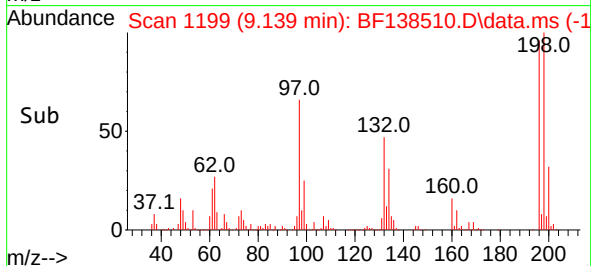
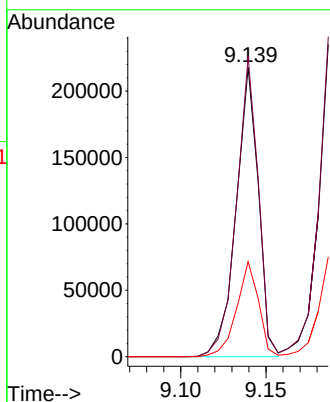


Tgt Ion:196 Resp: 19737
Ion Ratio Lower Upper
196 100
198 103.8 82.3 123.5
200 32.8 25.8 38.6

Manual Integrations
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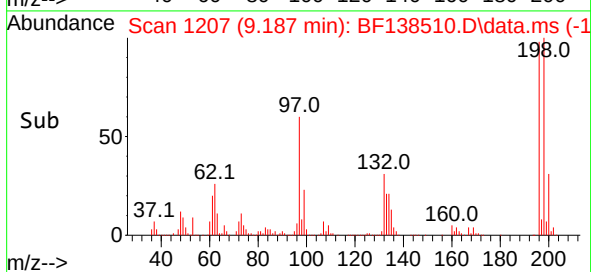
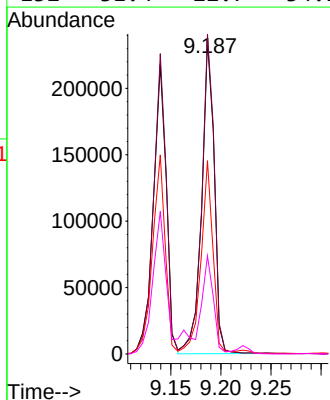
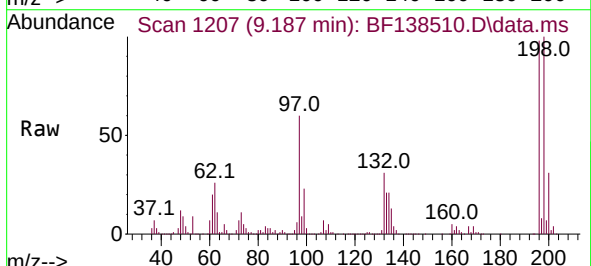
Reviewed By :Yogesh
Patel
07/11/2024

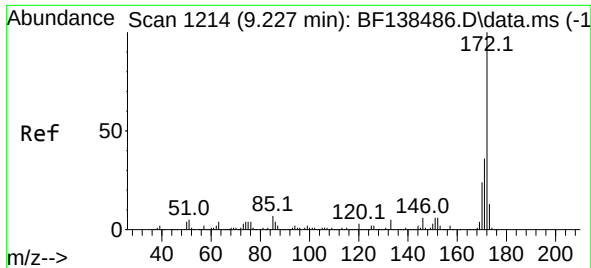
Supervised By :mohammad
ahmed
07/11/2024



#44
2,4,5-Trichlorophenol
Concen: 53.929 ng
RT: 9.187 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

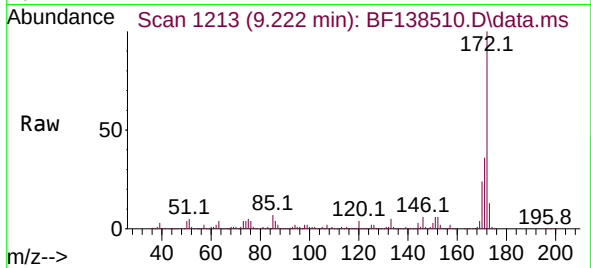
Tgt Ion:196 Resp: 206544
Ion Ratio Lower Upper
196 100
198 102.5 82.8 124.2
97 61.9 41.0 61.4#
132 31.4 22.7 34.1





#45
2-Fluorobiphenyl
Concen: 77.808 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

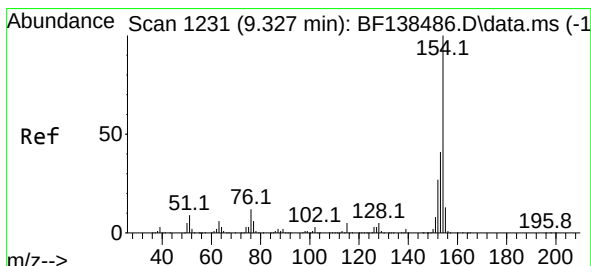
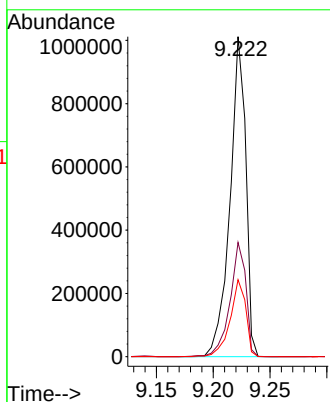
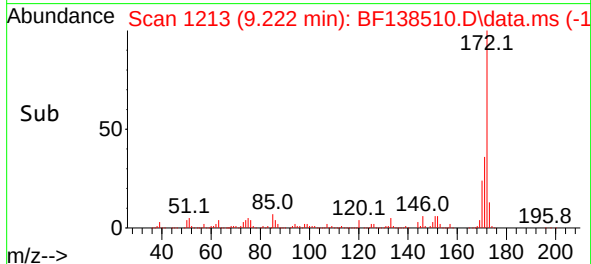


Tgt Ion:172 Resp: 975118
Ion Ratio Lower Upper
172 100
171 35.7 28.9 43.3
170 24.0 18.9 28.3

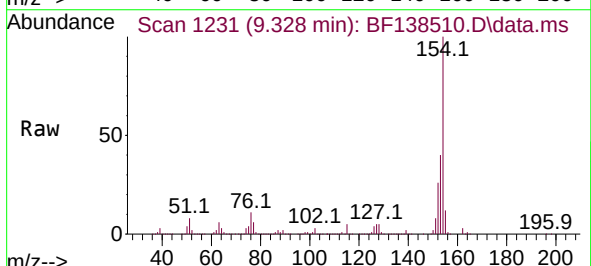
Manual Integrations
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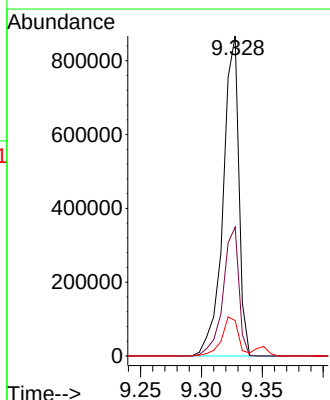
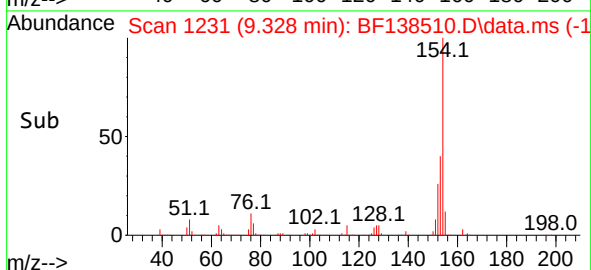
Supervised By :mohammad
ahmed
07/11/2024

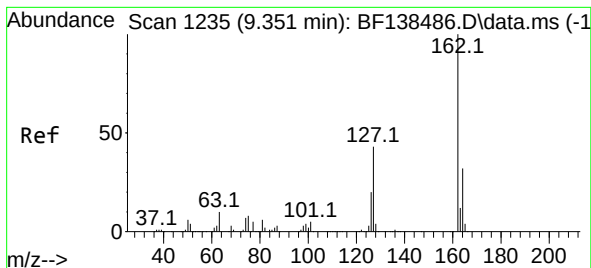


#46
1,1'-Biphenyl
Concen: 52.694 ng
RT: 9.328 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48



Tgt Ion:154 Resp: 782176
Ion Ratio Lower Upper
154 100
153 40.3 20.7 60.7
76 11.1 0.0 32.2





#47

2-Chloronaphthalene

Concen: 55.268 ng

RT: 9.351 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

Tgt Ion:162 Resp: 61977

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.8	52.2
164	32.4	25.6	38.4

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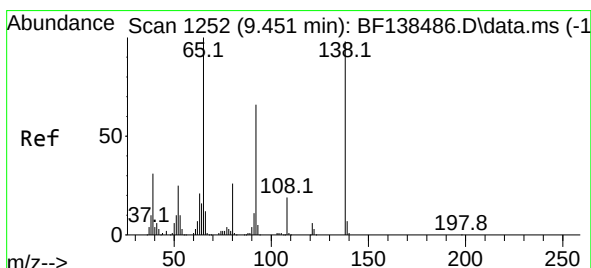
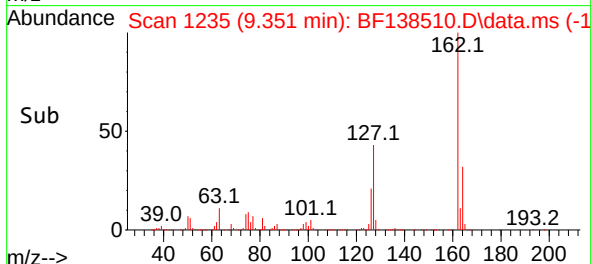
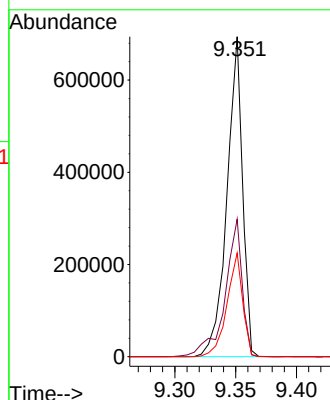
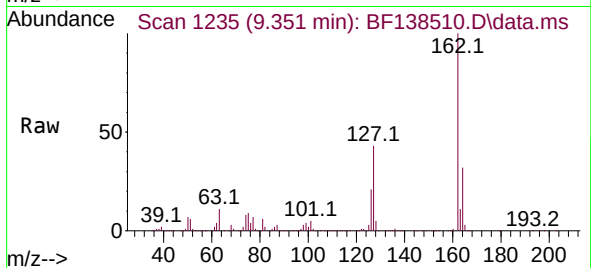
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#48

2-Nitroaniline

Concen: 56.612 ng

RT: 9.445 min Scan# 1251

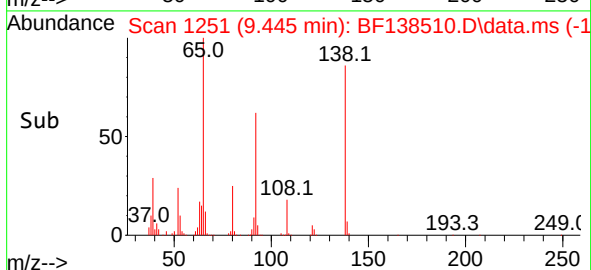
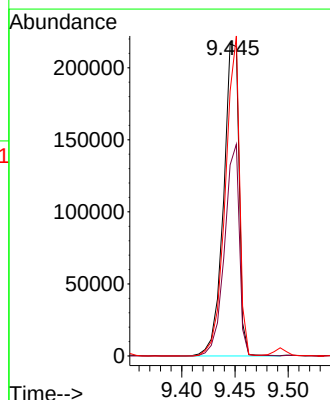
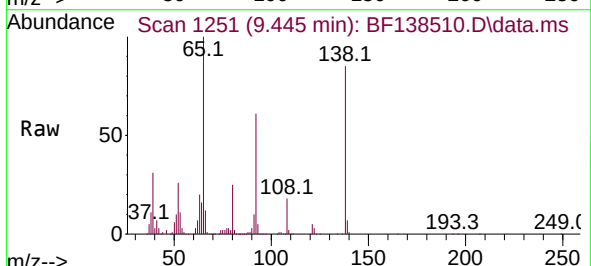
Delta R.T. -0.006 min

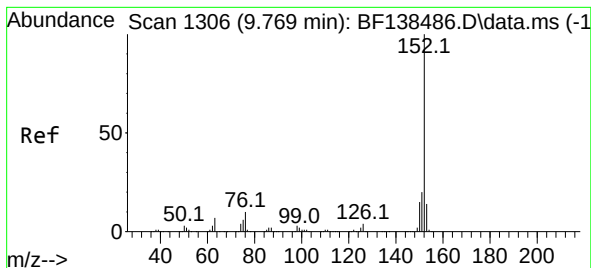
Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Tgt Ion: 65 Resp: 219990

Ion	Ratio	Lower	Upper
65	100		
92	61.2	52.6	78.8
138	84.8	78.6	118.0





#49

Acenaphthylene

Concen: 58.762 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF138510.D

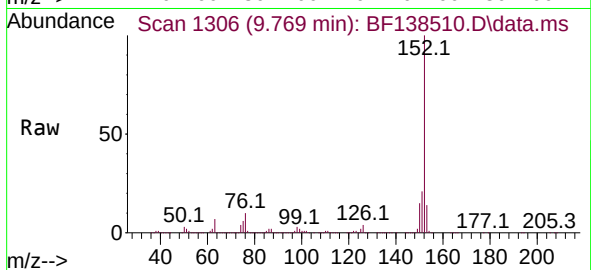
Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD



Tgt Ion:152 Resp: 93555

Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

153 13.9 11.3 16.9

Manual Integrations

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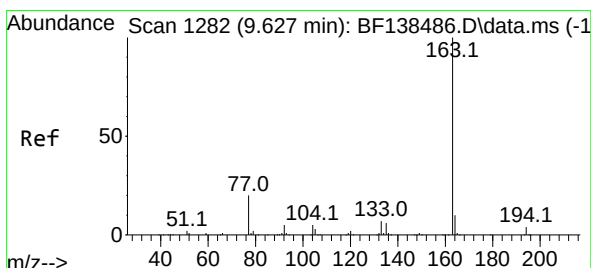
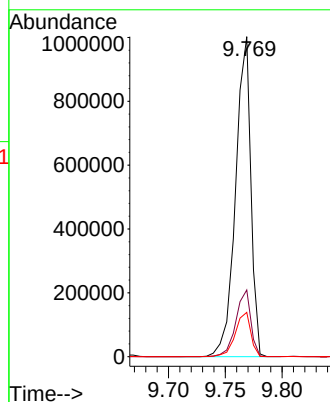
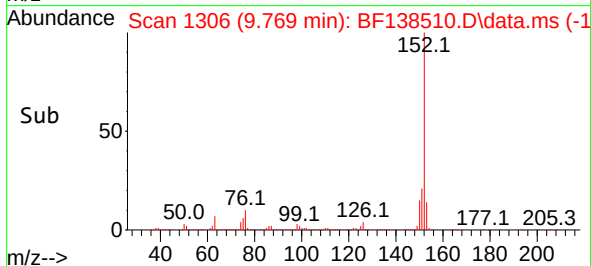
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Supervised By :mohammad

ahmed

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#50

Dimethylphthalate

Concen: 56.724 ng

RT: 9.628 min Scan# 1282

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

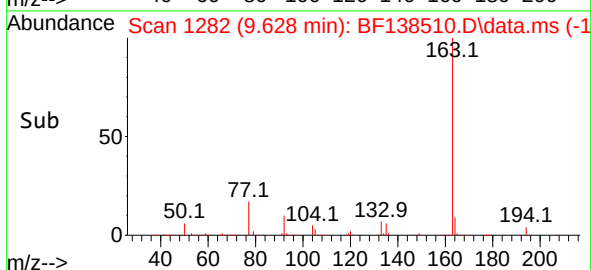
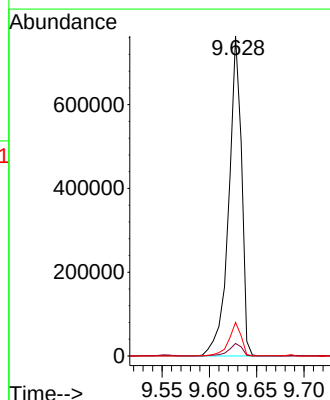
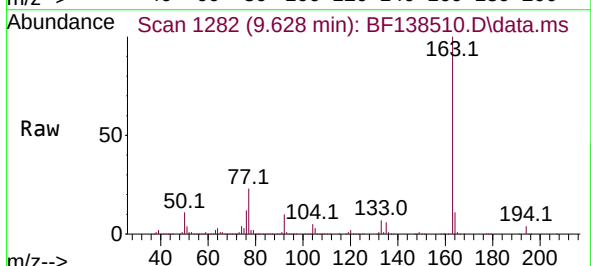
Tgt Ion:163 Resp: 718427

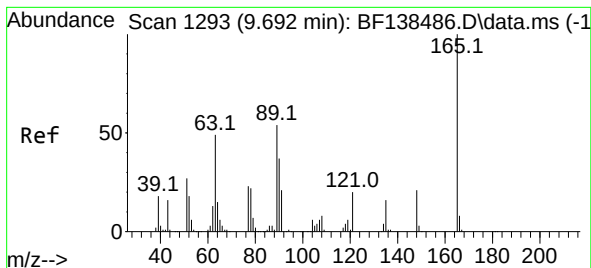
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

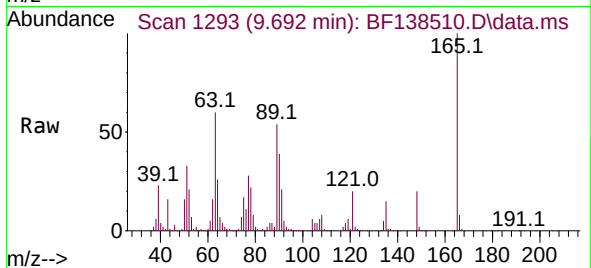
164 10.5 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 54.527 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

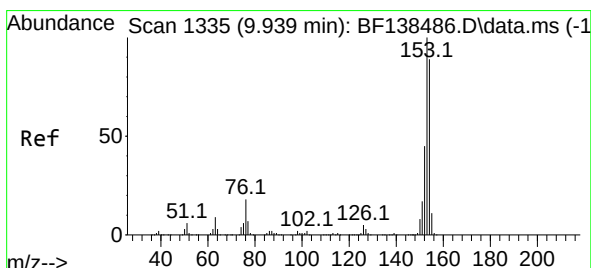
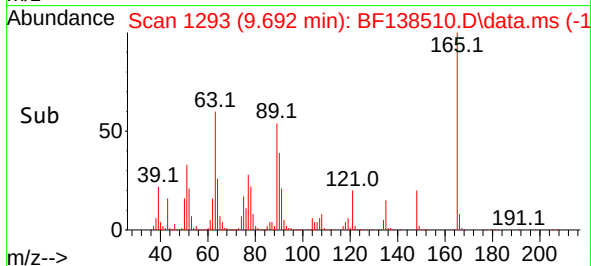
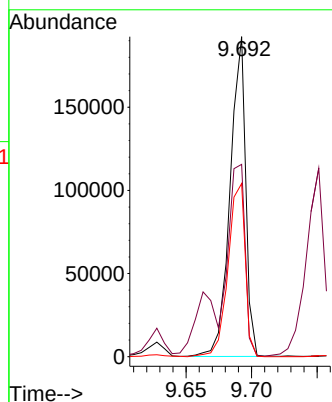


Tgt Ion:165 Resp: 159000
Ion Ratio Lower Upper
165 100
63 60.1 48.1 72.1
89 54.1 43.0 64.6

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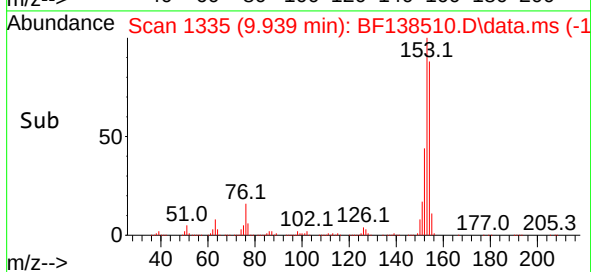
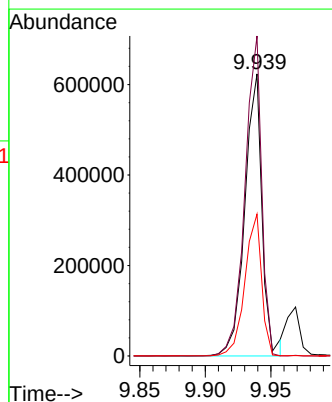
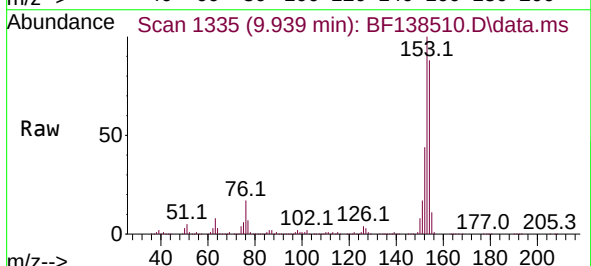
Reviewed By :Yogesh
Patel
07/11/2024

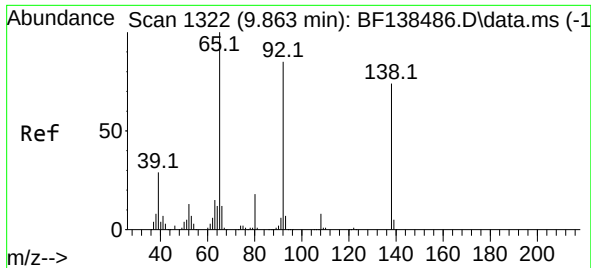
Supervised By :mohammad
ahmed
07/11/2024



#52
Acenaphthene
Concen: 54.195 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:154 Resp: 573546
Ion Ratio Lower Upper
154 100
153 113.4 90.4 135.6
152 50.3 41.1 61.7





#53
3-Nitroaniline
Concen: 31.272 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

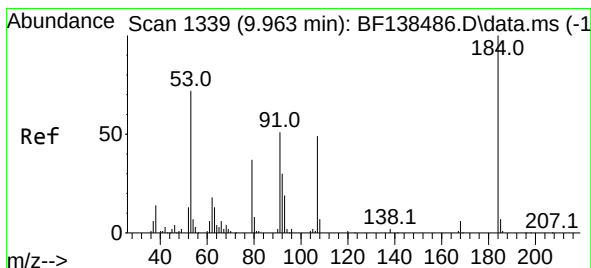
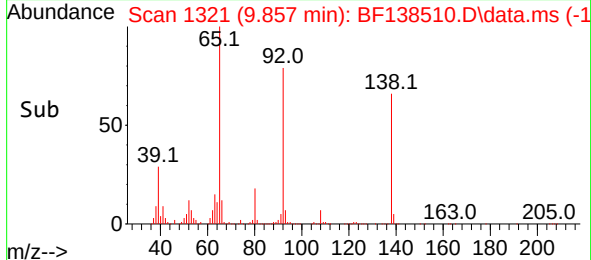
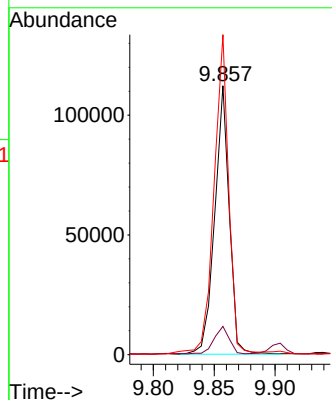
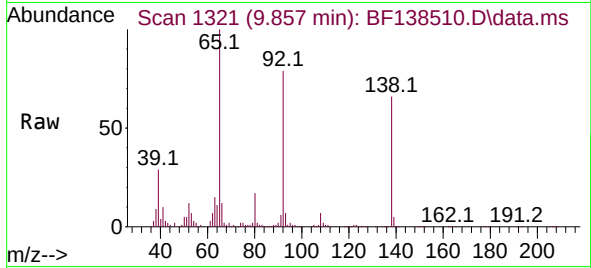
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

Tgt Ion:138 Resp: 93460
Ion Ratio Lower Upper
138 100
108 10.5 8.3 12.5
92 119.0 92.6 138.8

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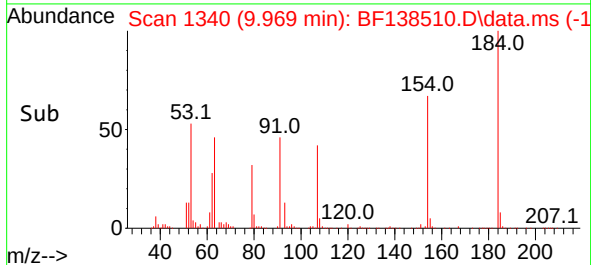
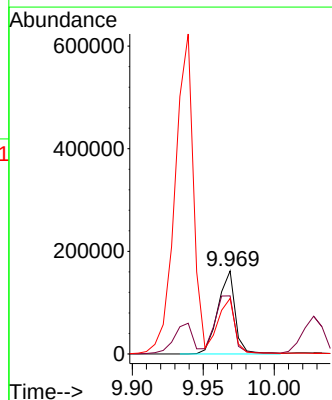
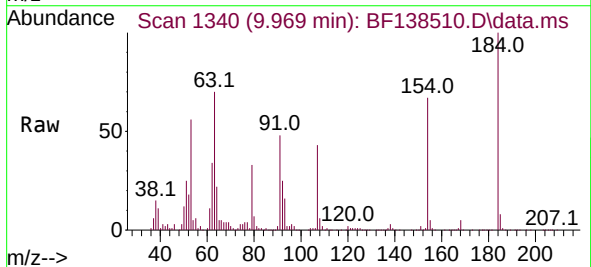
Reviewed By :Yogesh
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07/11/2024

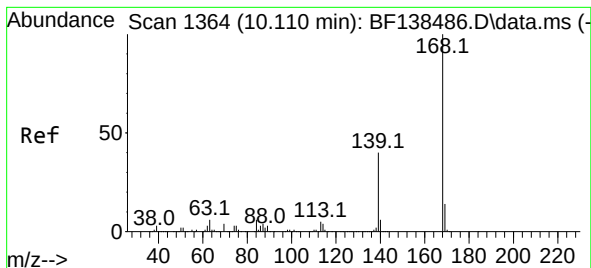
Supervised By :mohammad
ahmed
07/11/2024



#54
2,4-Dinitrophenol
Concen: 86.822 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

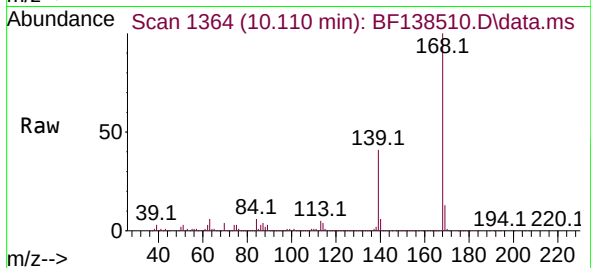
Tgt Ion:184 Resp: 136542
Ion Ratio Lower Upper
184 100
63 70.0 70.6 106.0#
154 67.0 53.8 80.6





#55
Dibenzofuran
Concen: 53.951 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

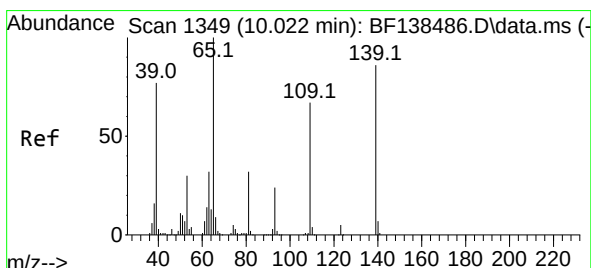
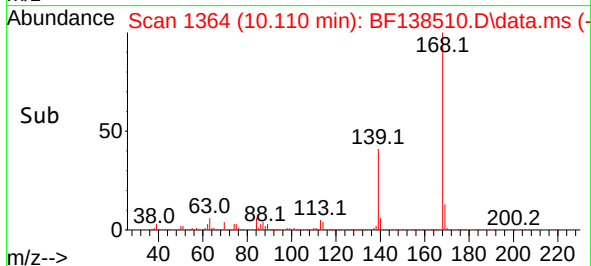
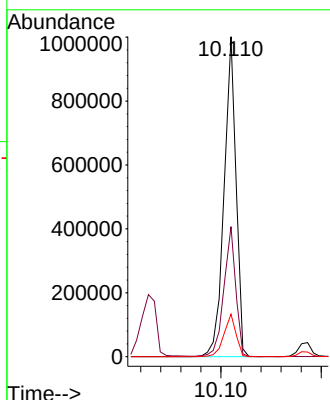


Tgt Ion:168 Resp: 828150
Ion Ratio Lower Upper
168 100
139 40.6 32.4 48.6
169 13.3 10.9 16.3

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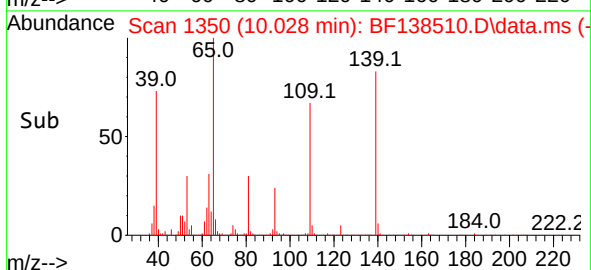
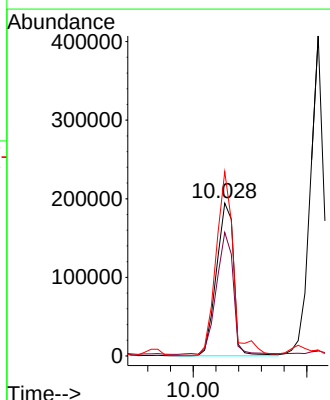
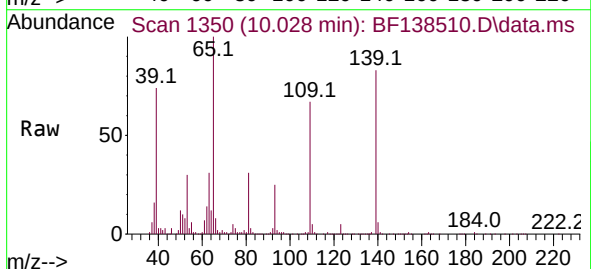
Reviewed By :Yogesh
Patel
07/11/2024

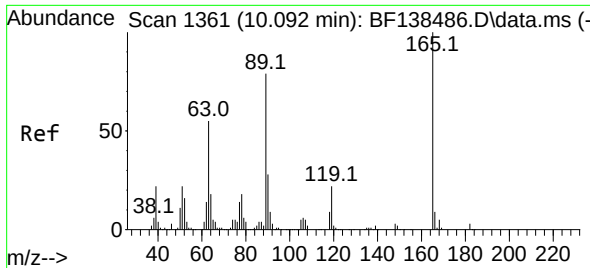
Supervised By :mohammad
ahmed
07/11/2024



#56
4-Nitrophenol
Concen: 93.099 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

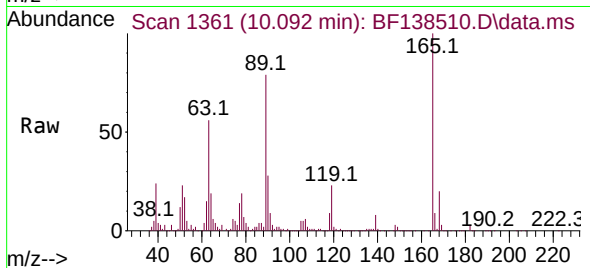
Tgt Ion:139 Resp: 205315
Ion Ratio Lower Upper
139 100
109 80.9 58.1 98.1
65 120.7 96.9 136.9





#57
2,4-Dinitrotoluene
Concen: 52.941 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

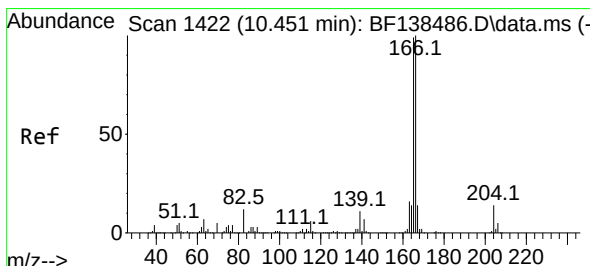
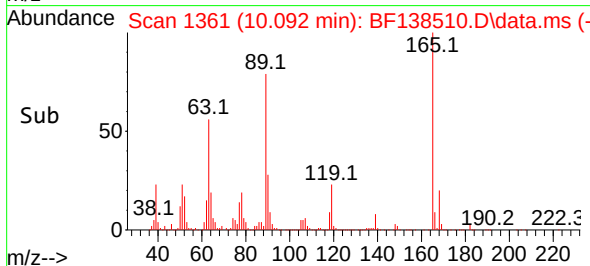
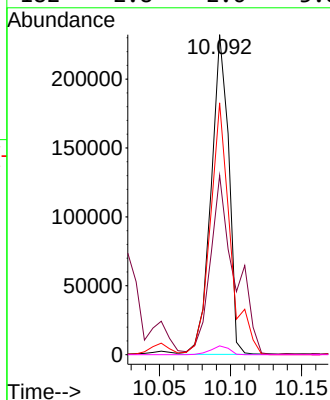


Tgt Ion:165 Resp: 199750
Ion Ratio Lower Upper
165 100
63 56.1 44.6 66.8
89 78.7 63.4 95.2
182 2.8 2.6 3.8

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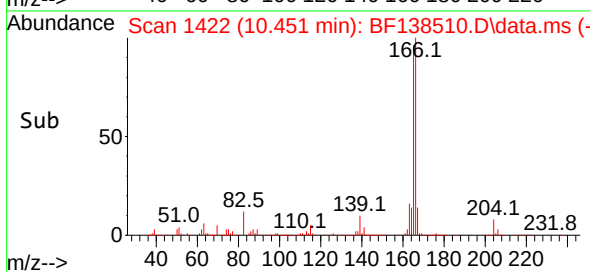
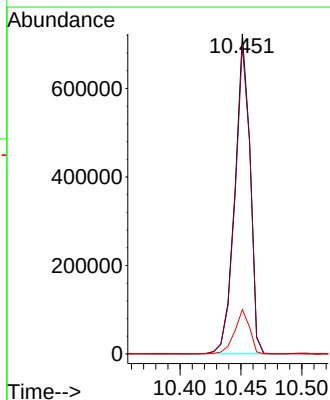
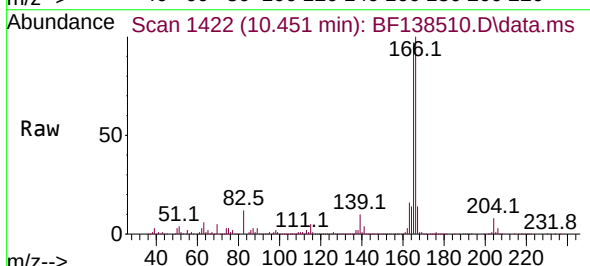
Reviewed By :Yogesh
Patel
07/11/2024

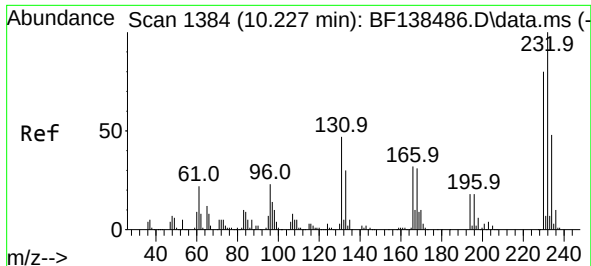
Supervised By :mohammad
ahmed
07/11/2024



#58
Fluorene
Concen: 51.188 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

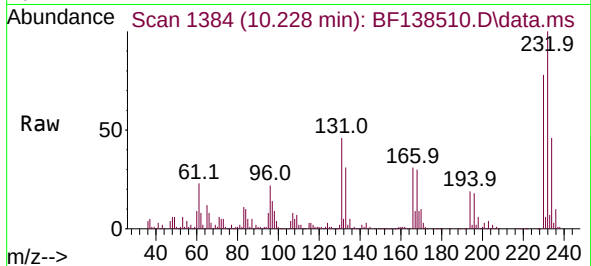
Tgt Ion:166 Resp: 621728
Ion Ratio Lower Upper
166 100
165 96.5 79.1 118.7
167 13.9 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.441 ng
RT: 10.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

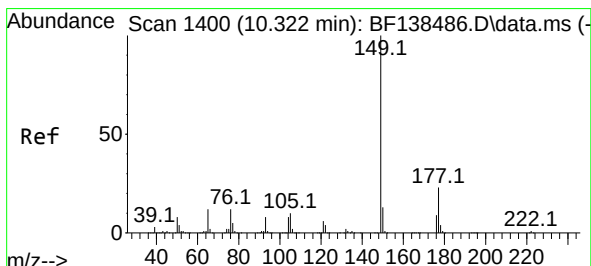
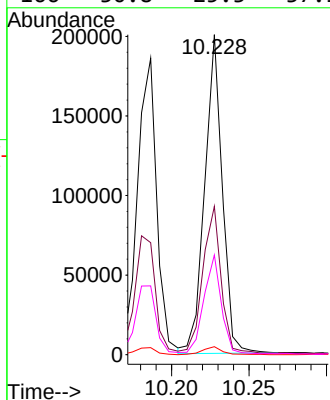


Tgt Ion:232 Resp: 15851
Ion Ratio Lower Upper
232 100
131 48.8 37.5 56.3
130 2.8 2.0 3.0
166 30.8 25.3 37.9

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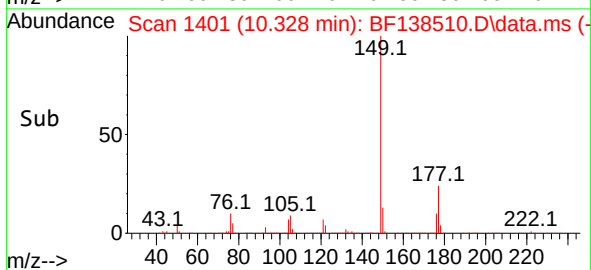
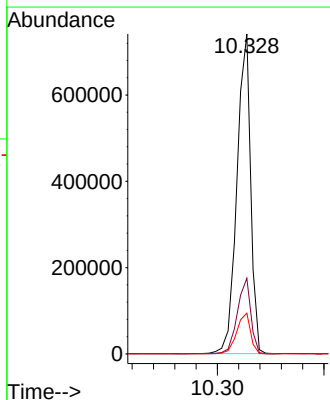
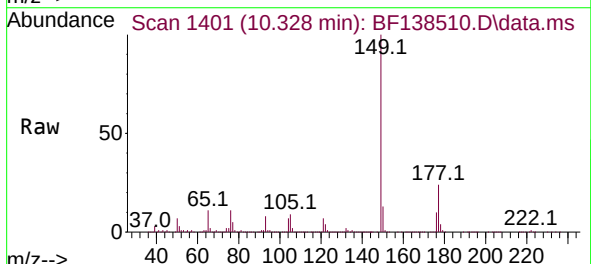
Reviewed By :Yogesh
Patel
07/11/2024

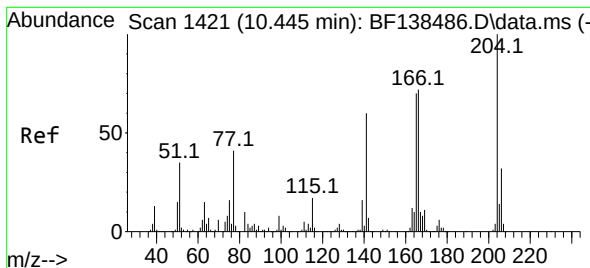
Supervised By :mohammad
ahmed
07/11/2024



#60
Diethylphthalate
Concen: 54.463 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

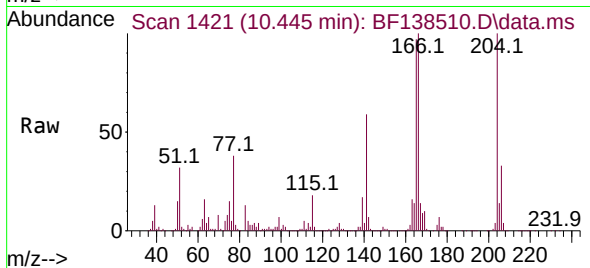
Tgt Ion:149 Resp: 664974
Ion Ratio Lower Upper
149 100
177 23.6 18.5 27.7
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 52.349 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

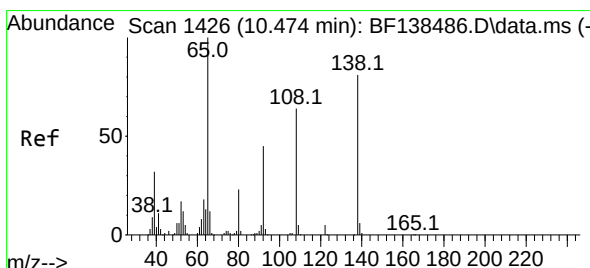
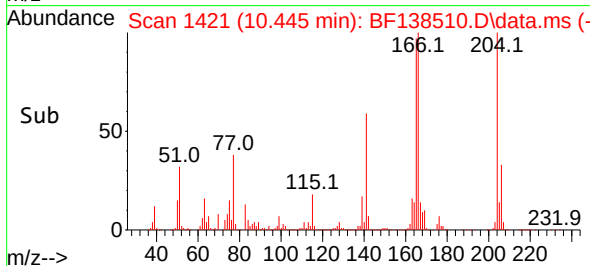
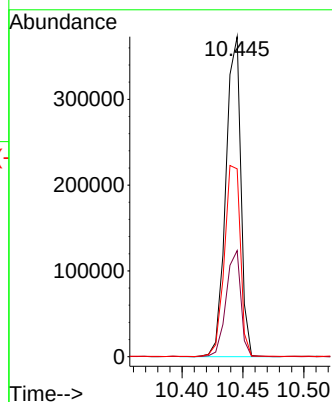


Tgt Ion:204 Resp: 319279
Ion Ratio Lower Upper
204 100
206 33.2 25.6 38.4
141 58.7 47.7 71.5

Manual Integrations
APPROVED

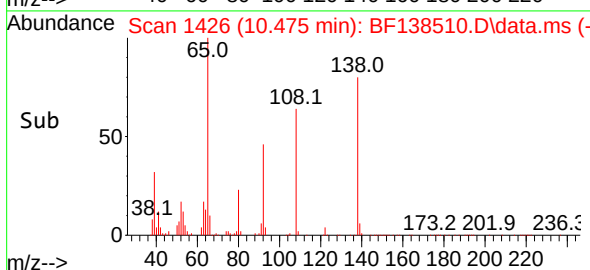
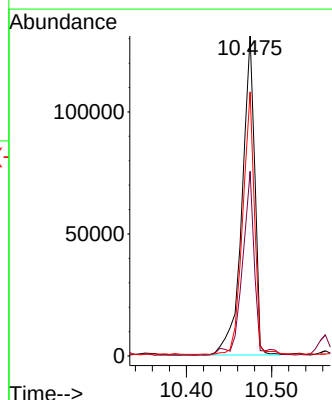
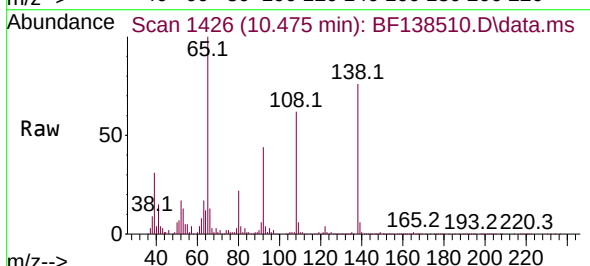
Reviewed By :Yogesh
Patel
07/11/2024

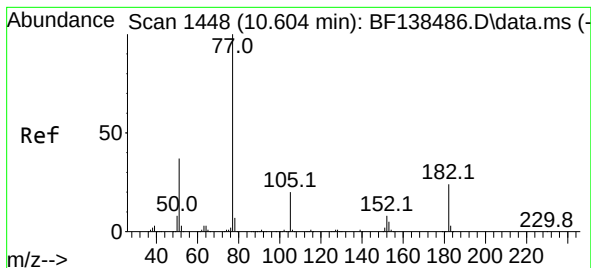
Supervised By :mohammad
ahmed
07/11/2024



#62
4-Nitroaniline
Concen: 45.492 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

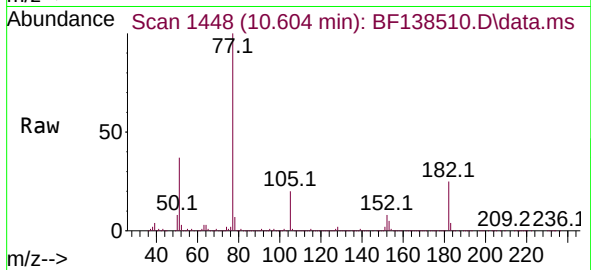
Tgt Ion:138 Resp: 136249
Ion Ratio Lower Upper
138 100
92 57.7 35.8 75.8
108 82.6 59.8 99.8





#63
Azobenzene
Concen: 53.085 ng
RT: 10.604 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

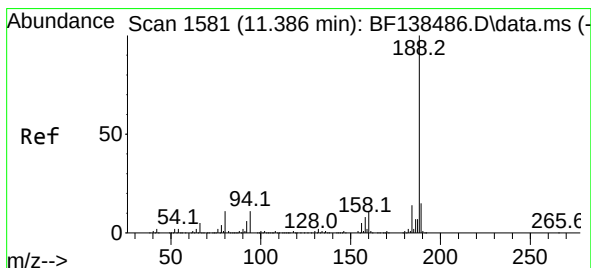
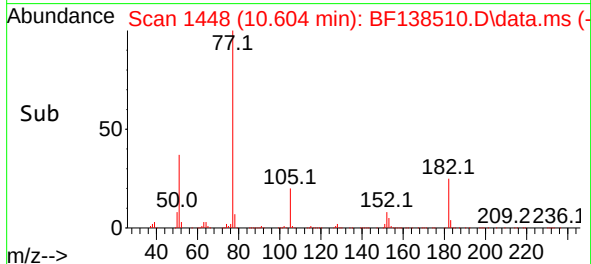
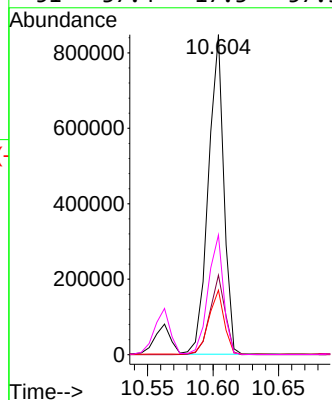


Tgt Ion: 77 Resp: 696860
Ion Ratio Lower Upper
77 100
182 24.8 3.8 43.8
105 20.2 0.0 39.8
51 37.4 17.3 57.3

Manual Integrations
APPROVED

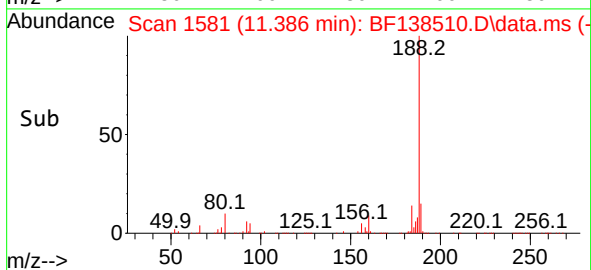
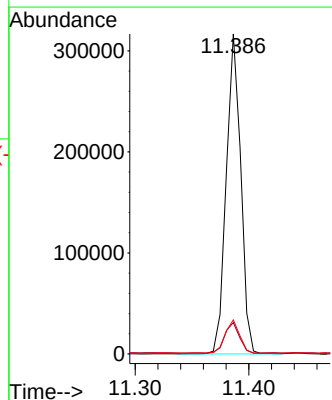
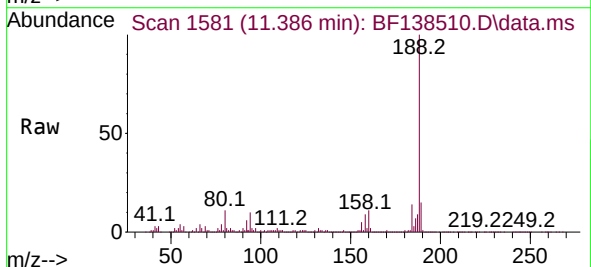
Reviewed By :Yogesh
Patel
07/11/2024

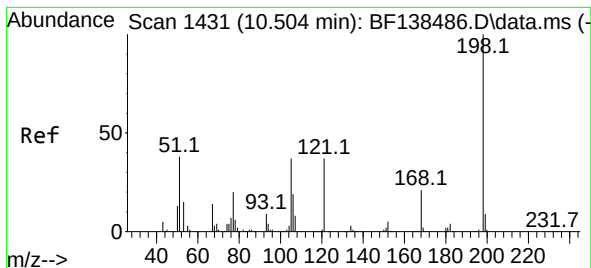
Supervised By :mohammad
ahmed
07/11/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

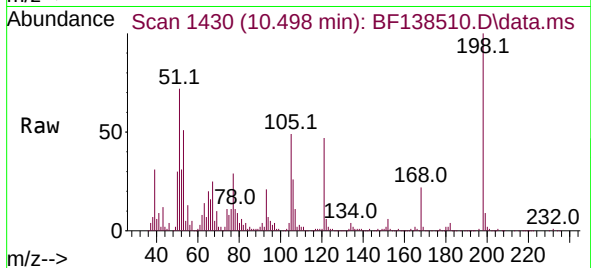
Tgt Ion:188 Resp: 281455
Ion Ratio Lower Upper
188 100
94 9.8 8.7 13.1
80 10.7 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 63.616 ng
RT: 10.498 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

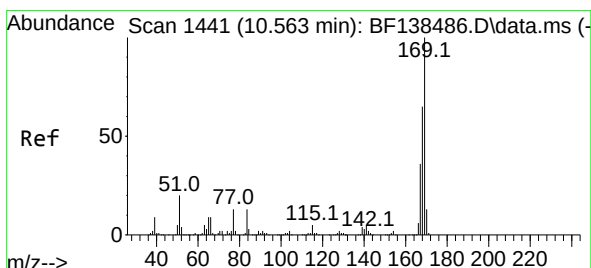
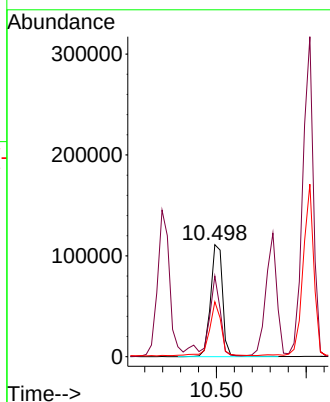
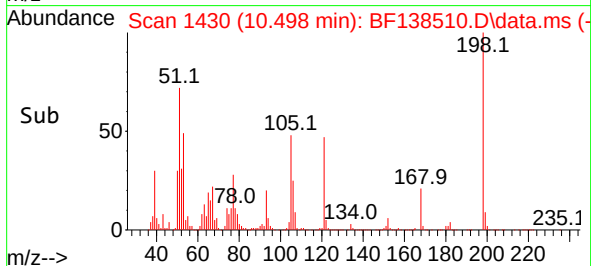


Tgt Ion:198 Resp: 103385
Ion Ratio Lower Upper
198 100
51 72.0 27.2 67.2
105 49.0 18.5 58.5

Manual Integrations
APPROVED

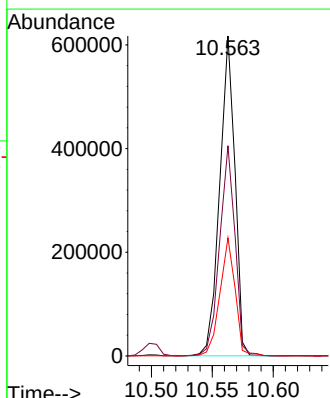
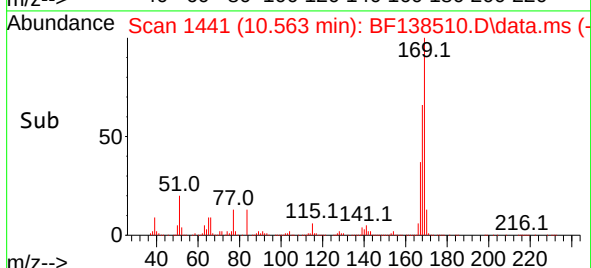
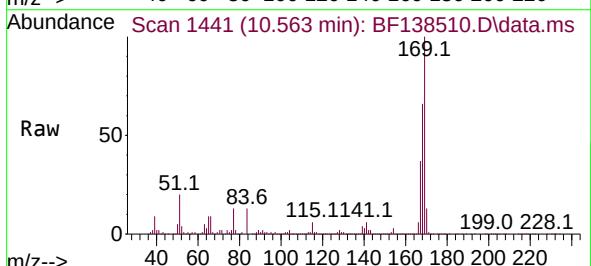
Reviewed By :Yogesh
Patel
07/11/2024

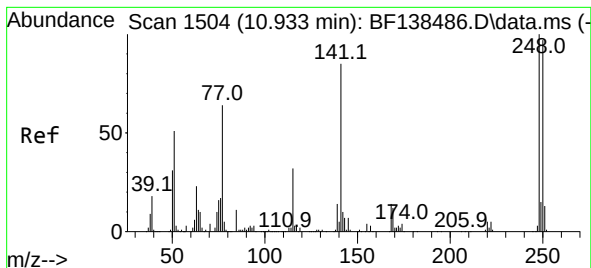
Supervised By :mohammad
ahmed
07/11/2024



#66
n-Nitrosodiphenylamine
Concen: 63.694 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

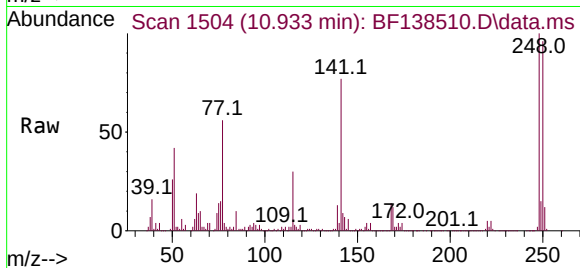
Tgt Ion:169 Resp: 537105
Ion Ratio Lower Upper
169 100
168 65.7 51.7 77.5
167 36.9 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 62.488 ng
RT: 10.933 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

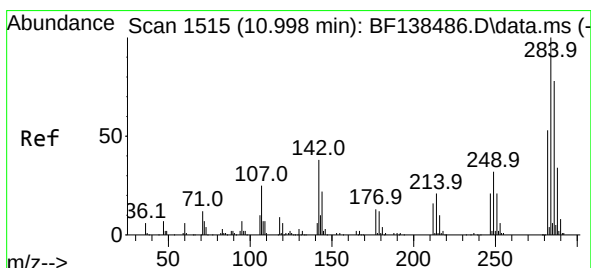
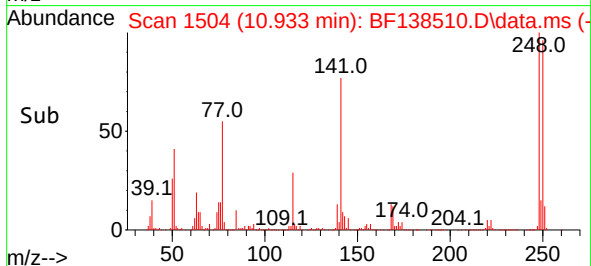
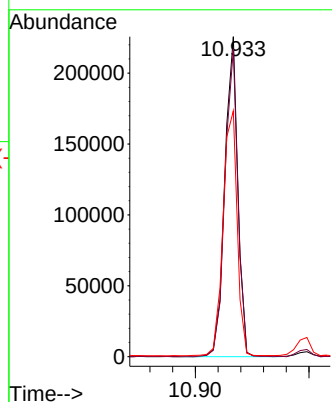


Tgt Ion:248 Resp: 180760
Ion Ratio Lower Upper
248 100
250 96.1 77.9 116.9
141 76.8 67.7 101.5

Manual Integrations
APPROVED

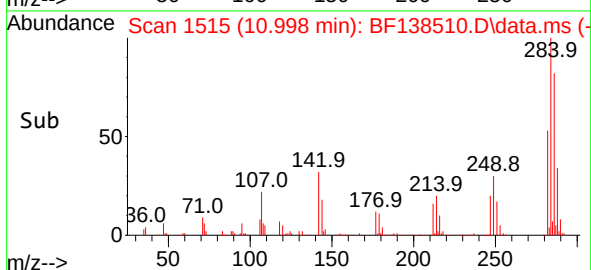
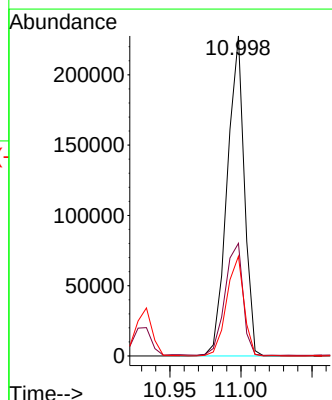
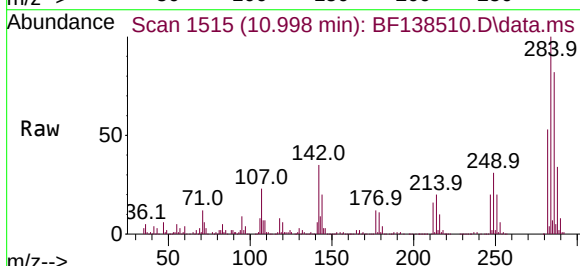
Reviewed By :Yogesh
Patel
07/11/2024

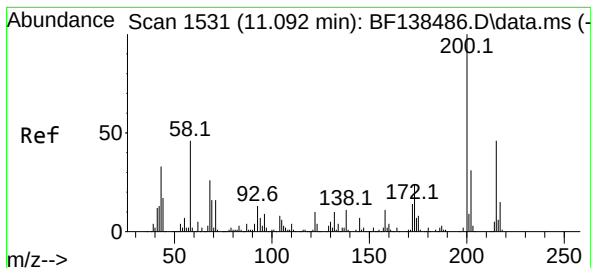
Supervised By :mohammad
ahmed
07/11/2024



#68
Hexachlorobenzene
Concen: 59.346 ng
RT: 10.998 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:284 Resp: 190722
Ion Ratio Lower Upper
284 100
142 35.2 30.5 45.7
249 31.1 25.9 38.9





#69

Atrazine

Concen: 56.762 ng

RT: 11.092 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

Tgt Ion:200 Resp: 15869

Ion Ratio Lower Upper

200 100

173 24.7 4.1 44.1

215 46.3 26.5 66.5

Manual Integrations

APPROVED

Reviewed By :Yogesh

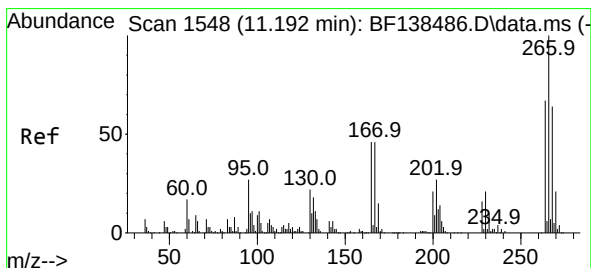
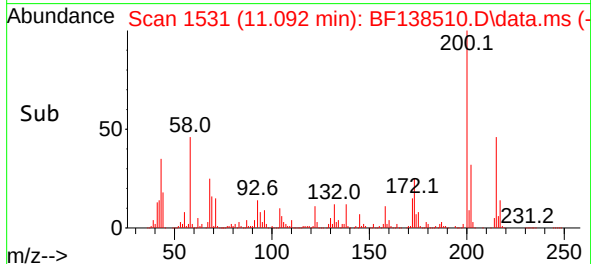
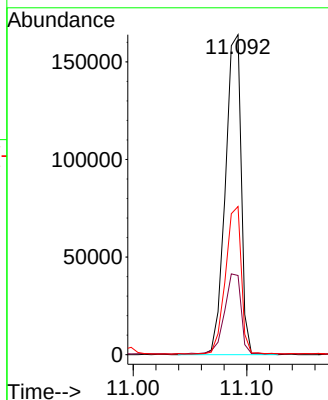
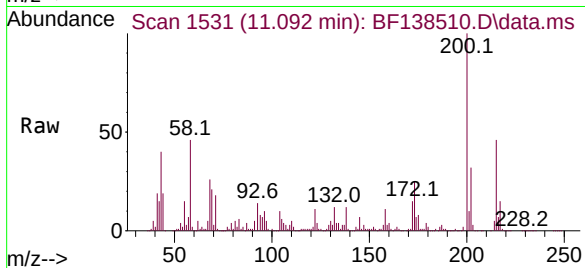
Patel

07/11/2024

Supervised By :mohammad

ahmed

07/11/2024



#70

Pentachlorophenol

Concen: 101.771 ng

RT: 11.192 min Scan# 1548

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

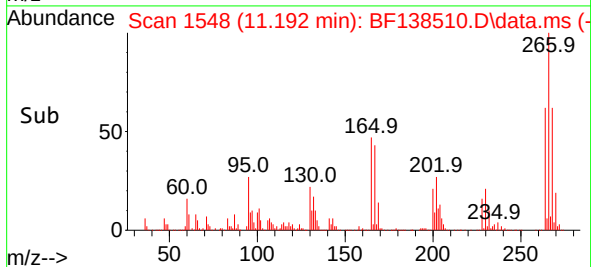
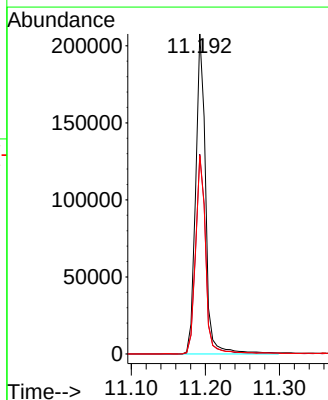
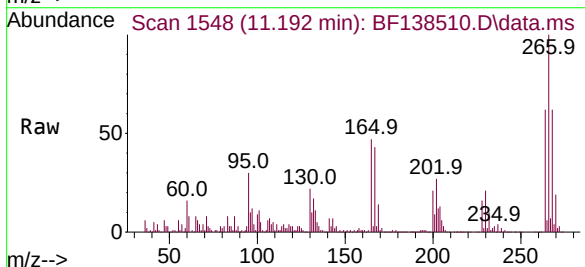
Tgt Ion:266 Resp: 193532

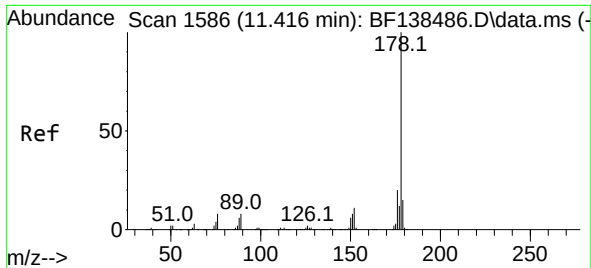
Ion Ratio Lower Upper

266 100

268 62.4 50.9 76.3

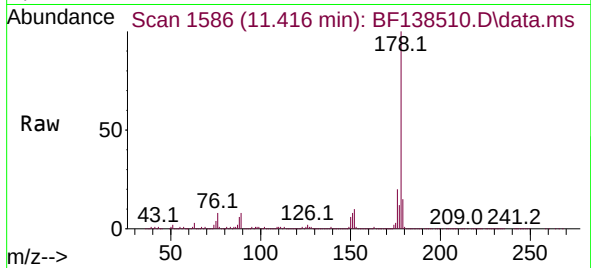
264 62.0 53.5 80.3





#71
Phenanthrene
Concen: 56.581 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

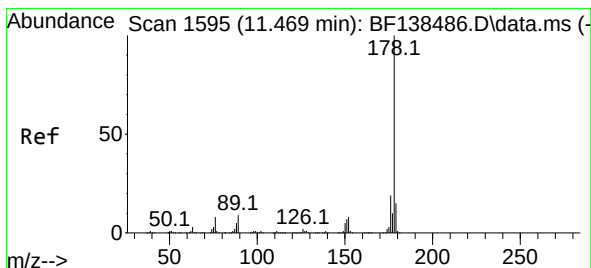
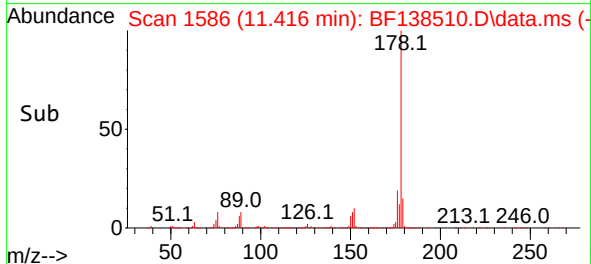
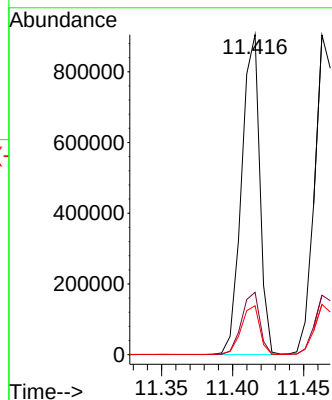


Tgt Ion:178 Resp: 80455
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.3 12.2 18.2

Manual Integrations
APPROVED

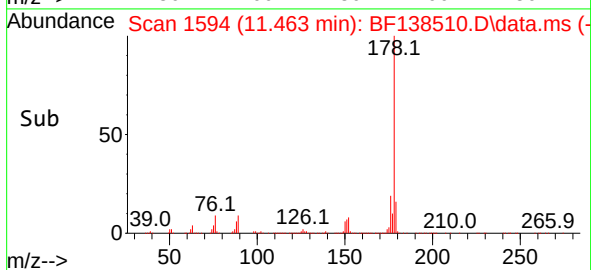
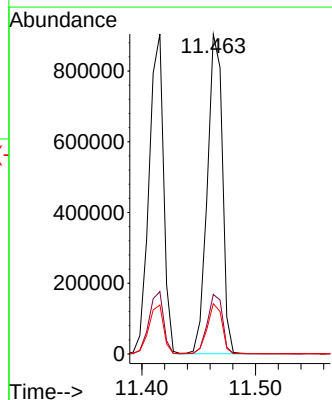
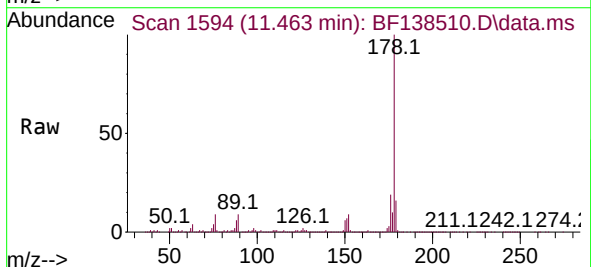
Reviewed By :Yogesh
Patel
07/11/2024

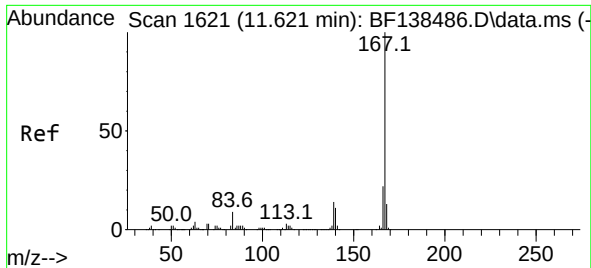
Supervised By :mohammad
ahmed
07/11/2024



#72
Anthracene
Concen: 58.744 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

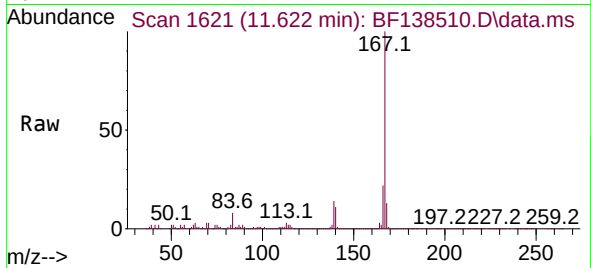
Tgt Ion:178 Resp: 829170
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 50.971 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF138510.D
 Acq: 10 Jul 2024 19:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUMS-2MSD

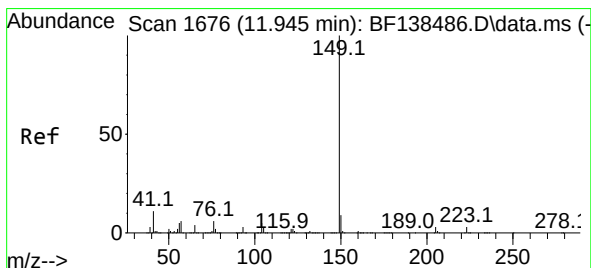
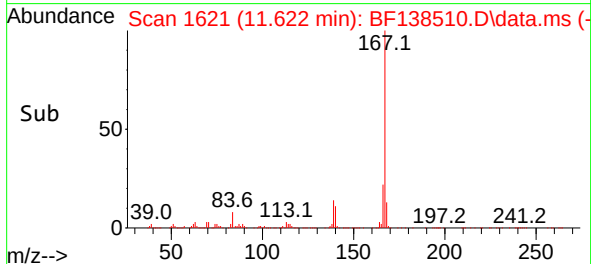
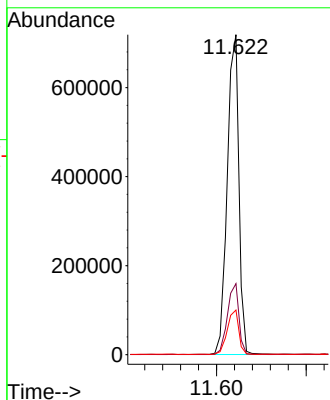


Tgt Ion:167 Resp: 646548
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.6
 139 14.0 11.0 16.4

Manual Integrations
 APPROVED

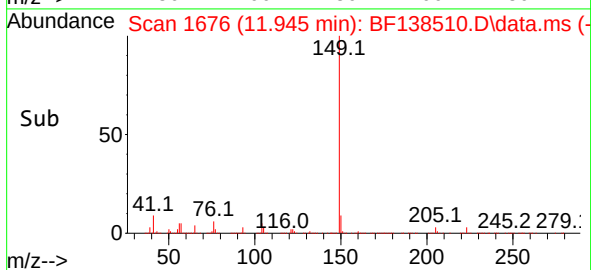
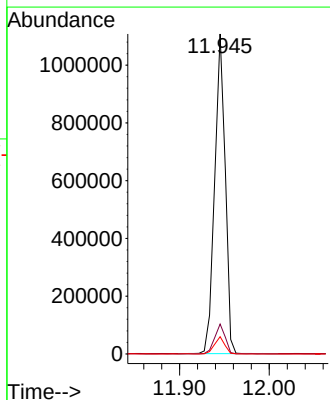
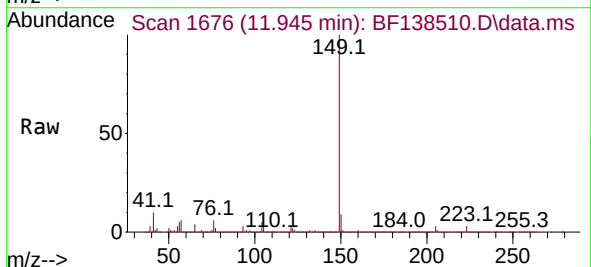
Reviewed By :Yogesh
 Patel
 07/11/2024

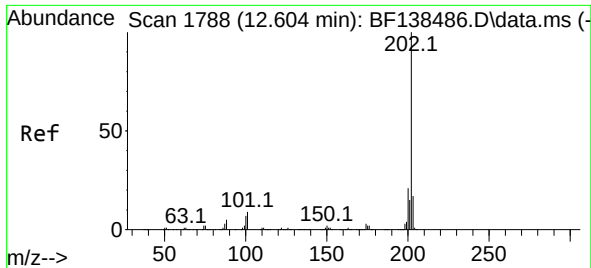
Supervised By :mohammad
 ahmed
 07/11/2024



#74
 Di-n-butylphthalate
 Concen: 61.627 ng
 RT: 11.945 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BF138510.D
 Acq: 10 Jul 2024 19:48

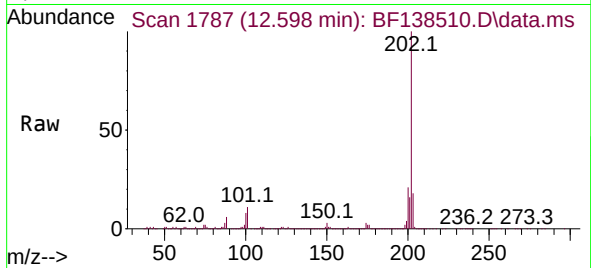
Tgt Ion:149 Resp: 901074
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.4 4.4 6.6





#75
Fluoranthene
Concen: 47.196 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

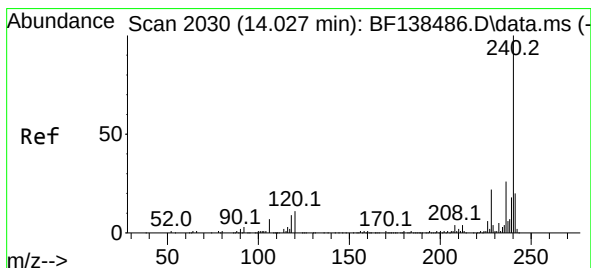
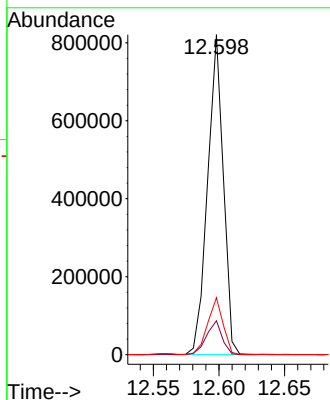
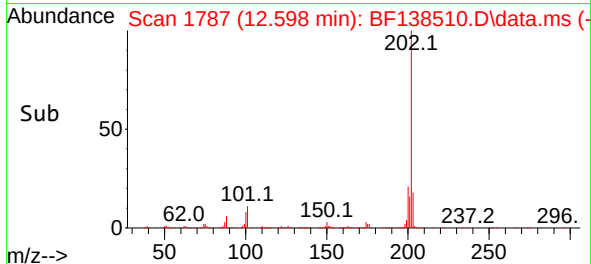


Tgt Ion:202 Resp: 684789
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.2
203 17.8 0.0 37.3

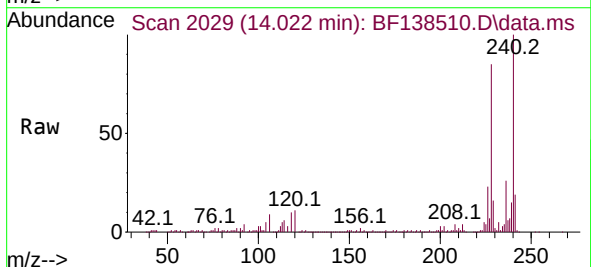
Manual Integrations
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Reviewed By :Yogesh
Patel
07/11/2024

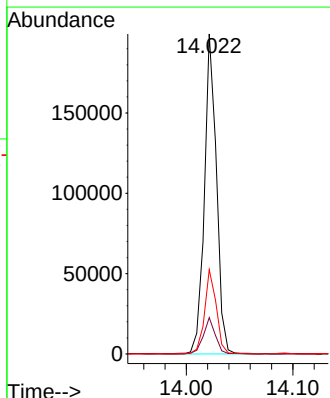
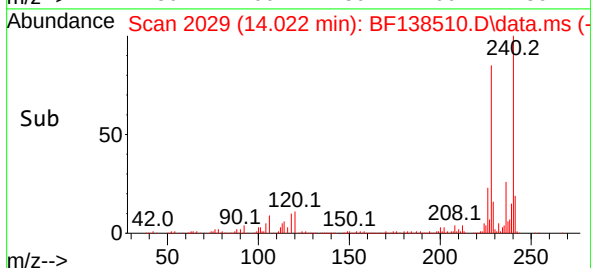
Supervised By :mohammad
ahmed
07/11/2024

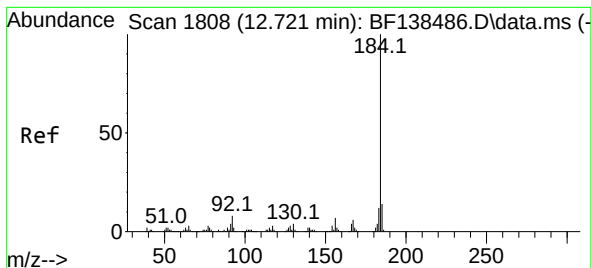


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48



Tgt Ion:240 Resp: 156994
Ion Ratio Lower Upper
240 100
120 11.3 8.6 12.8
236 26.4 21.0 31.6





#77

Benzidine

Concen: 54.303 ng

RT: 12.722 min Scan# 1808

Delta R.T. 0.001 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD

Tgt Ion:184 Resp: 215092

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.3	16.9
183	12.2	9.5	14.3

Manual Integrations
APPROVED

Reviewed By :Yogesh

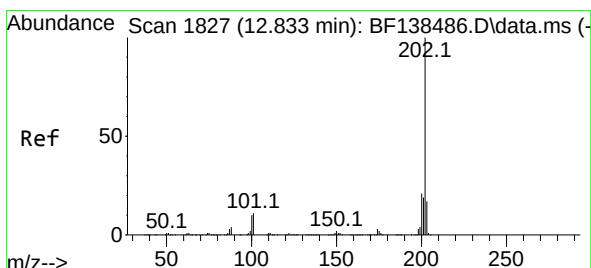
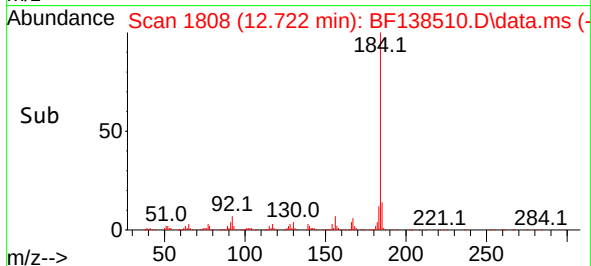
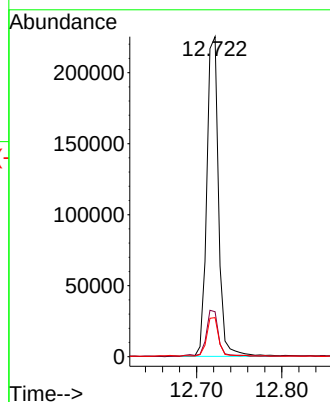
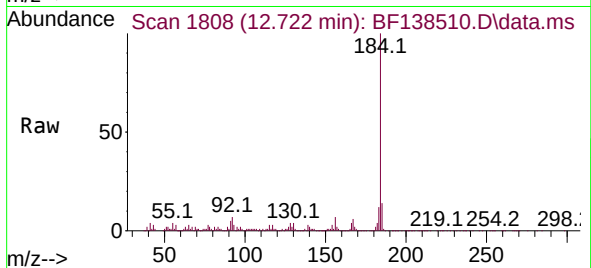
Patel

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#78

Pyrene

Concen: 42.846 ng

RT: 12.827 min Scan# 1826

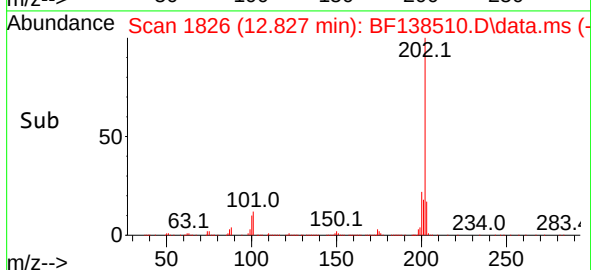
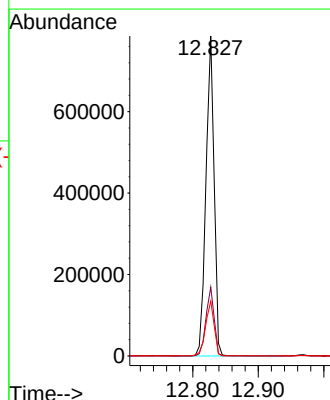
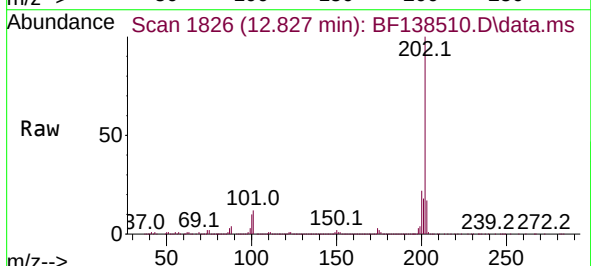
Delta R.T. -0.006 min

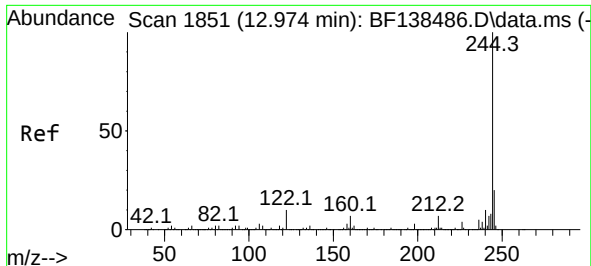
Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

Tgt Ion:202 Resp: 682835

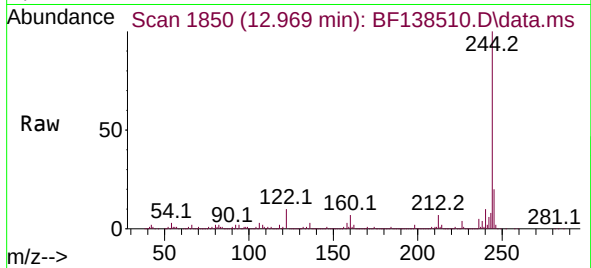
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.2	13.7	20.5





#79
Terphenyl-d14
Concen: 72.559 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

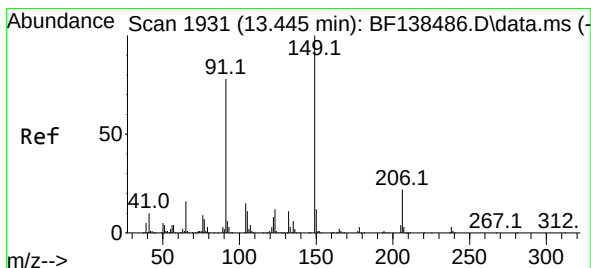
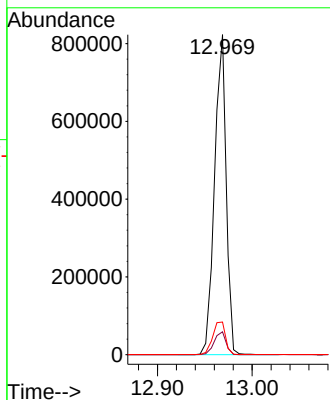
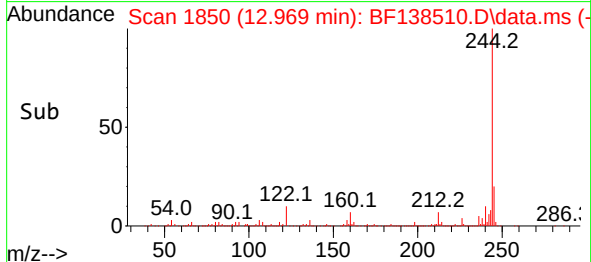


Tgt Ion:244 Resp: 699233
Ion Ratio Lower Upper
244 100
212 7.2 5.5 8.3
122 10.2 7.8 11.8

Manual Integrations
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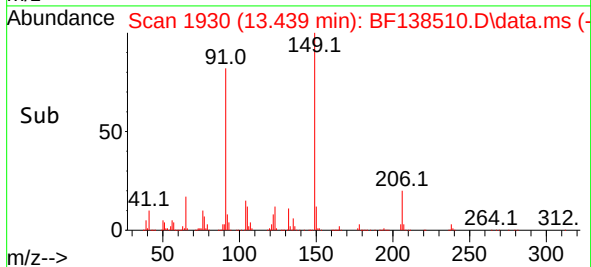
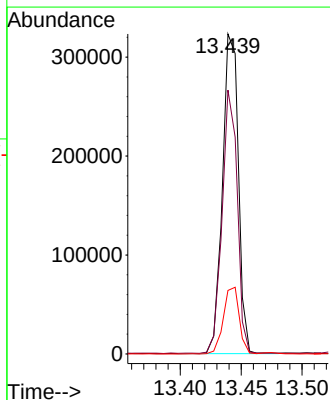
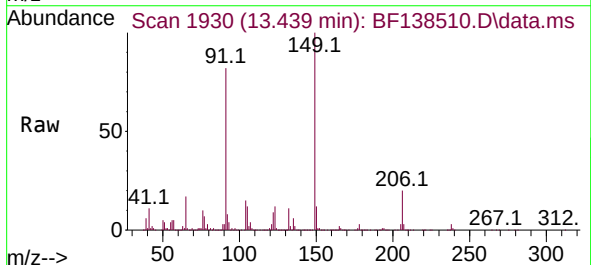
Reviewed By :Yogesh
Patel
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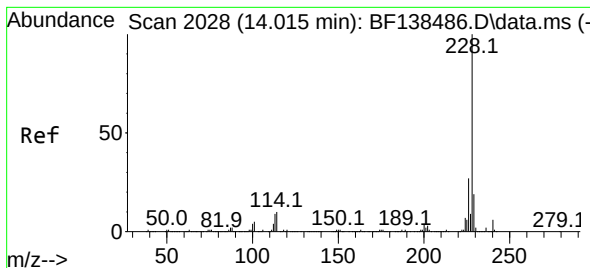
Supervised By :mohammad
ahmed
07/11/2024



#80
Butylbenzylphthalate
Concen: 61.404 ng
RT: 13.439 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:149 Resp: 294380
Ion Ratio Lower Upper
149 100
91 82.4 62.1 93.1
206 19.8 18.0 27.0





#81

Benzo(a)anthracene

Concen: 56.402 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138510.D

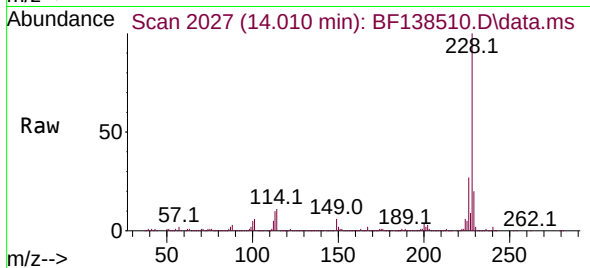
Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD



Tgt Ion:228 Resp: 59415

Ion Ratio Lower Upper

228 100

226 27.1 21.9 32.9

229 19.6 15.5 23.3

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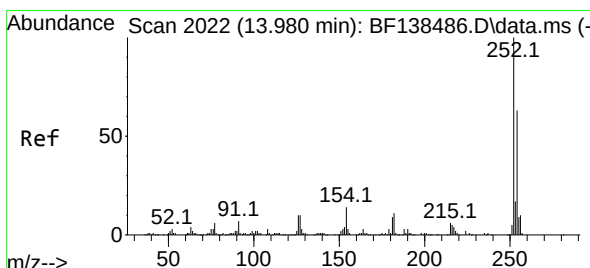
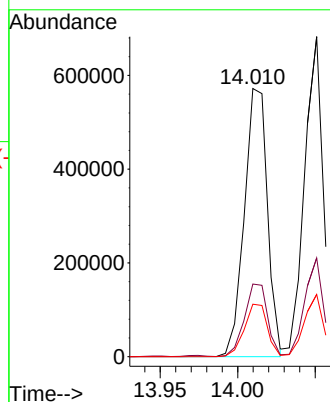
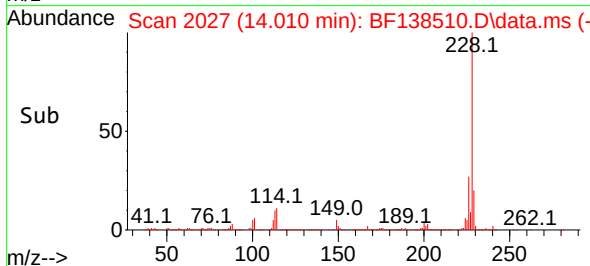
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#82

3,3'-Dichlorobenzidine

Concen: 47.746 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

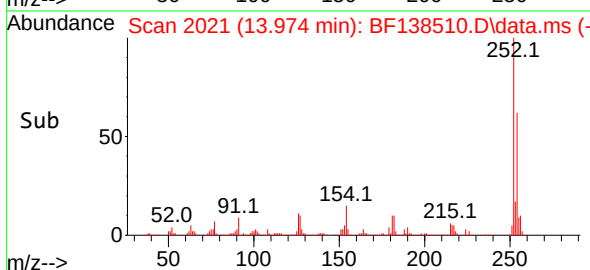
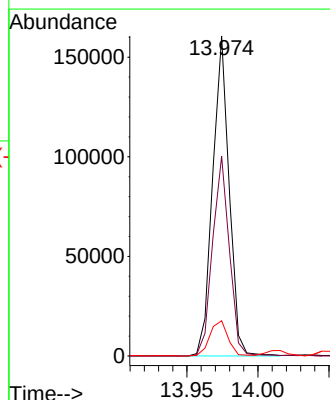
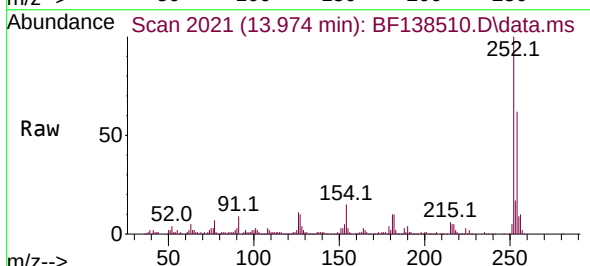
Tgt Ion:252 Resp: 129603

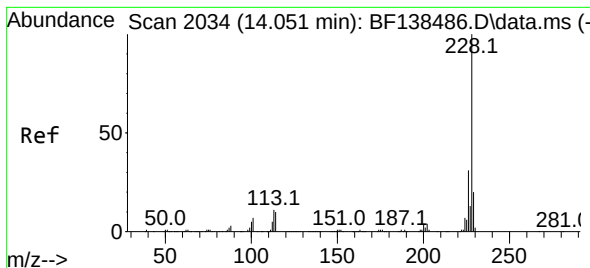
Ion Ratio Lower Upper

252 100

254 62.4 50.3 75.5

126 11.0 8.1 12.1





#83

Chrysene

Concen: 57.594 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF138510.D

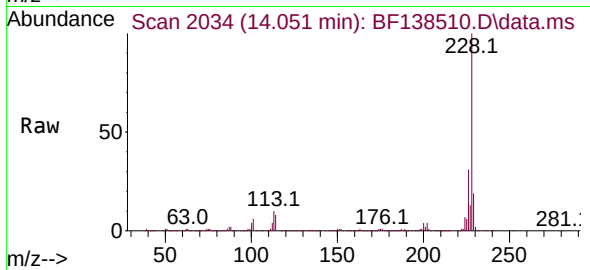
Acq: 10 Jul 2024 19:48

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMS-2MSD



Tgt Ion:228 Resp: 57395

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 19.4 16.0 24.0

Manual Integrations

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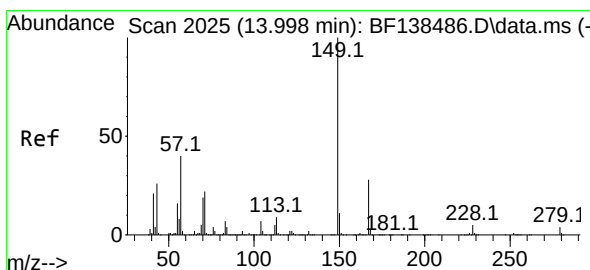
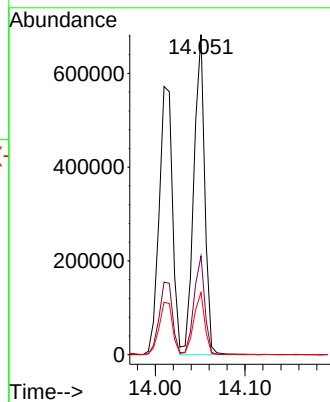
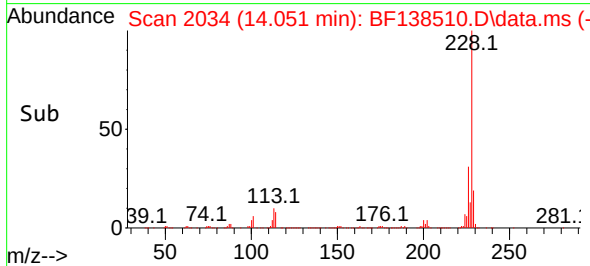
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ahmed

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#84

Bis(2-ethylhexyl)phthalate

Concen: 81.326 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF138510.D

Acq: 10 Jul 2024 19:48

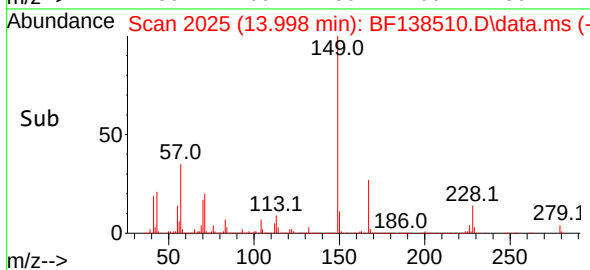
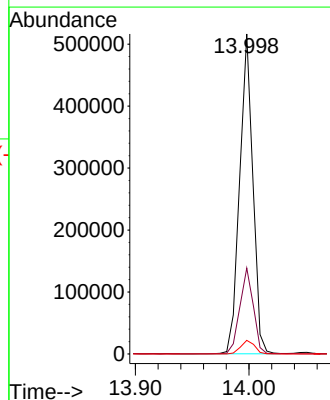
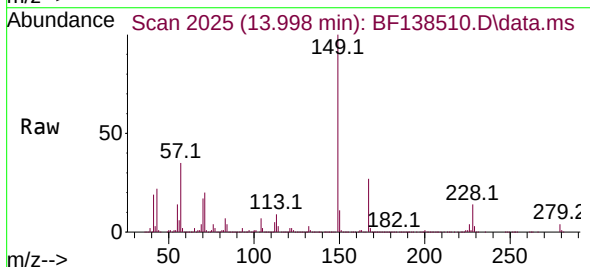
Tgt Ion:149 Resp: 415825

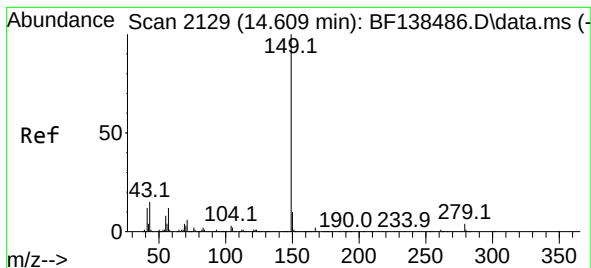
Ion Ratio Lower Upper

149 100

167 26.8 22.5 33.7

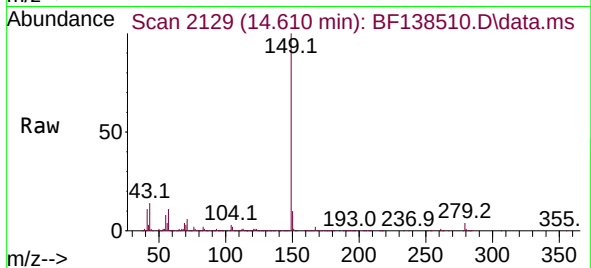
279 4.2 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 88.923 ng
RT: 14.610 min Scan# 2129
Delta R.T. 0.001 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

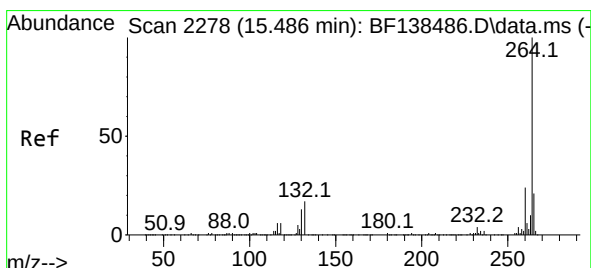
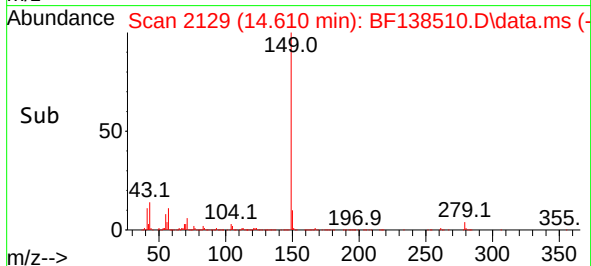
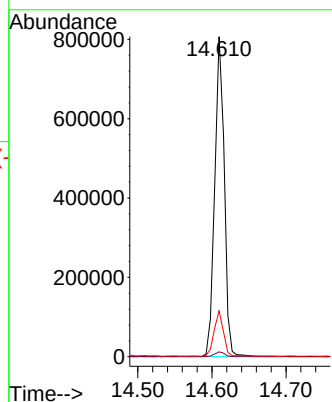


Tgt Ion:149 Resp: 718258
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.7 10.7 16.1

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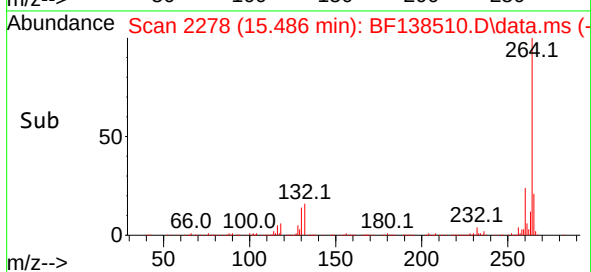
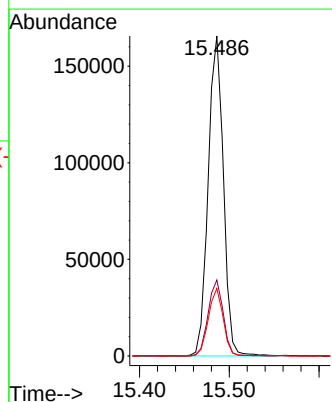
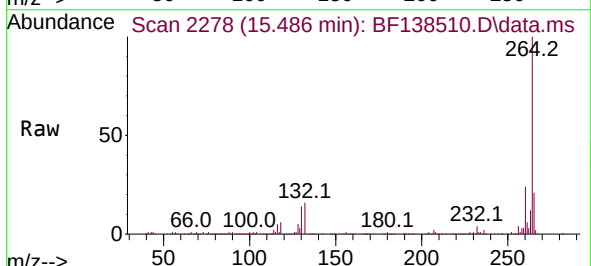
Reviewed By :Yogesh
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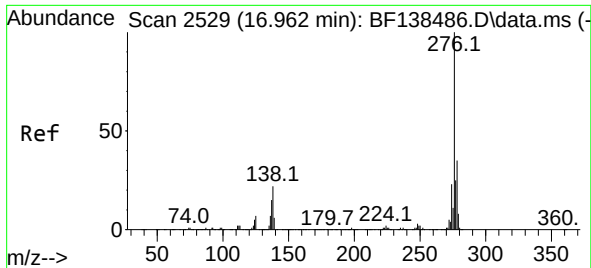
Supervised By :mohammad
ahmed
07/11/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

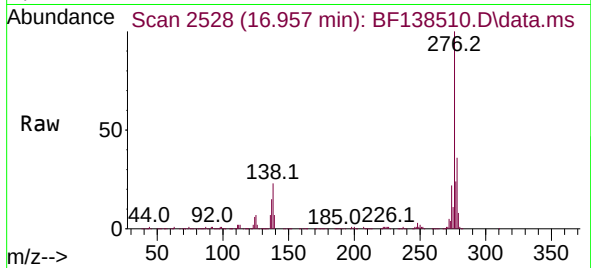
Tgt Ion:264 Resp: 194866
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.1 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.107 ng
RT: 16.957 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

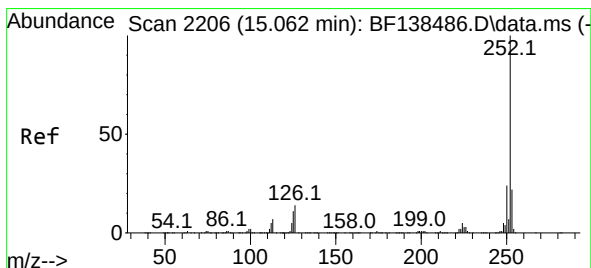
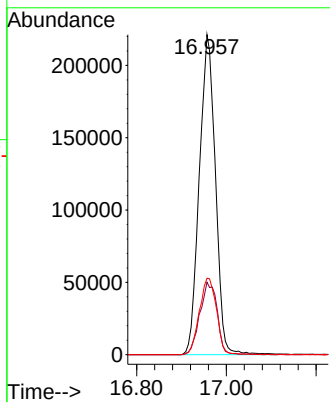
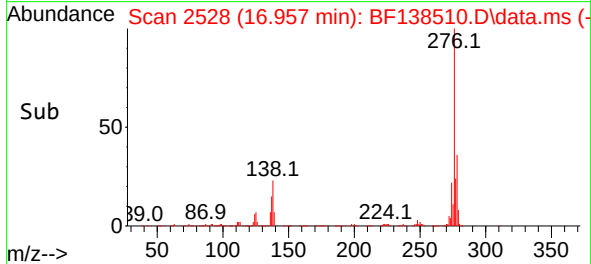


Tgt Ion:276 Resp: 55115
Ion Ratio Lower Upper
276 100
138 24.2 19.6 29.4
277 25.5 20.5 30.7

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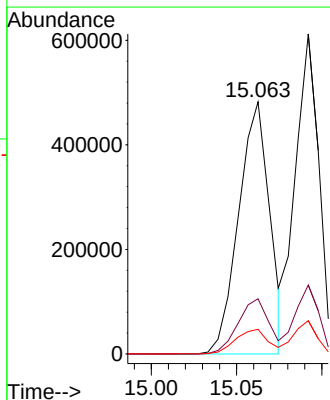
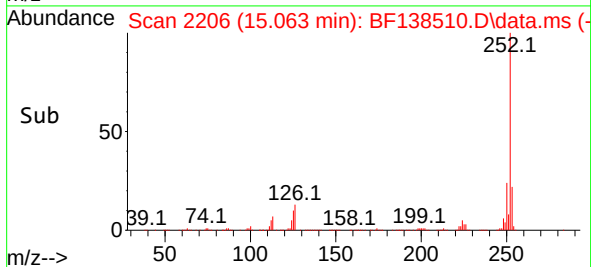
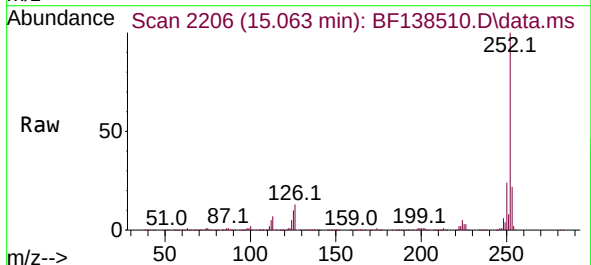
Reviewed By :Yogesh
Patel
07/11/2024

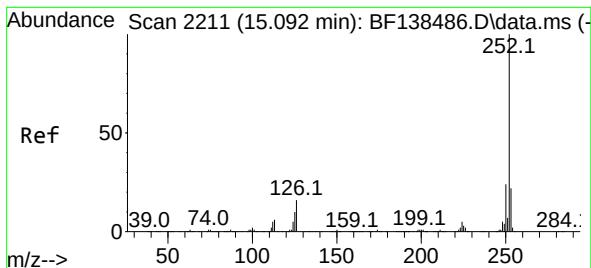
Supervised By :mohammad
ahmed
07/11/2024



#88
Benzo(b)fluoranthene
Concen: 55.447 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

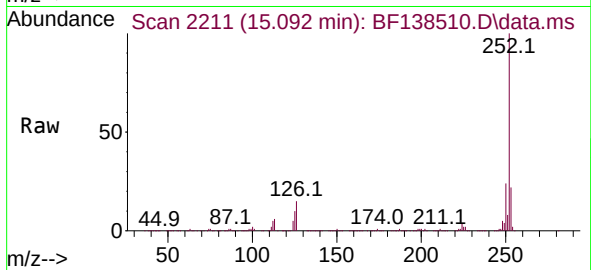
Tgt Ion:252 Resp: 608488
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 9.8 8.6 13.0





#89
Benzo(k)fluoranthene
Concen: 55.864 ng
RT: 15.092 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

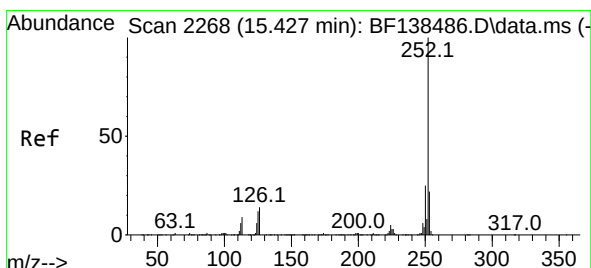
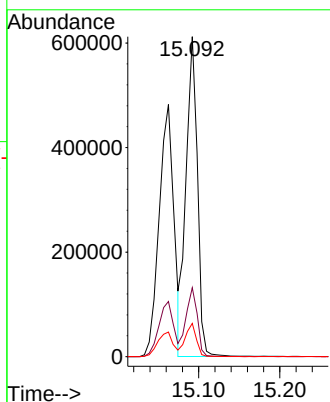
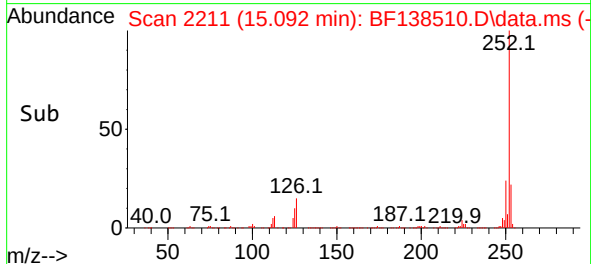


Tgt Ion:252 Resp: 597920
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 10.4 8.1 12.1

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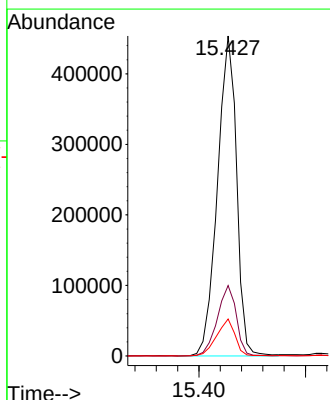
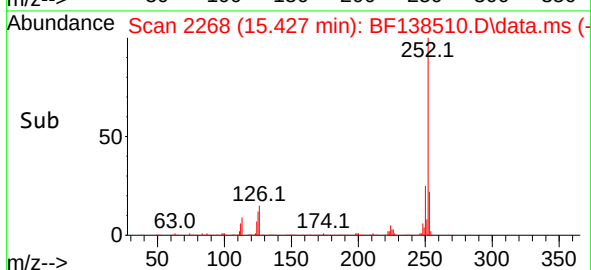
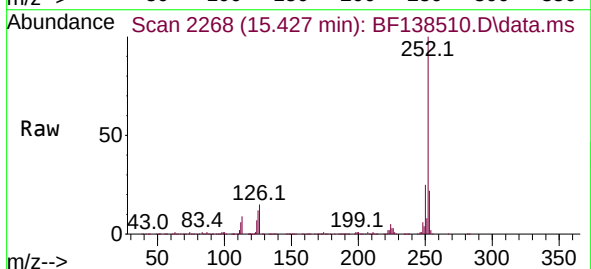
Reviewed By :Yogesh
Patel
07/11/2024

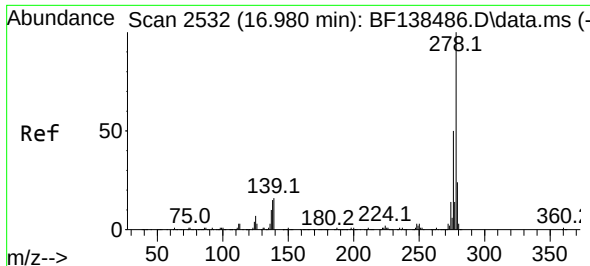
Supervised By :mohammad
ahmed
07/11/2024



#90
Benzo(a)pyrene
Concen: 58.580 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

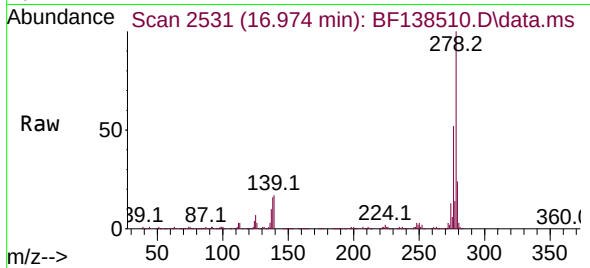
Tgt Ion:252 Resp: 564741
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 11.6 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 42.035 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-2MSD

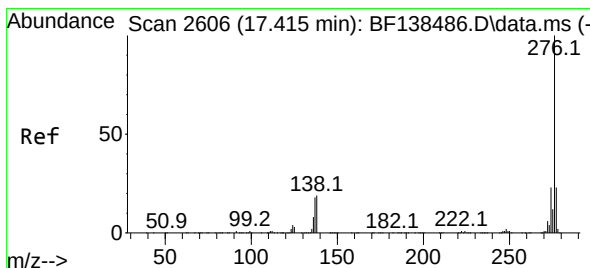
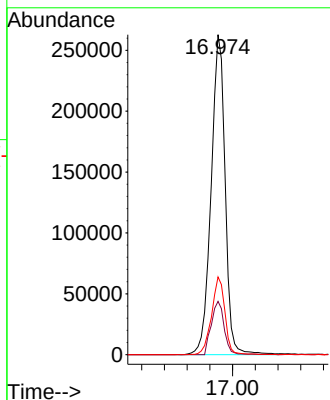
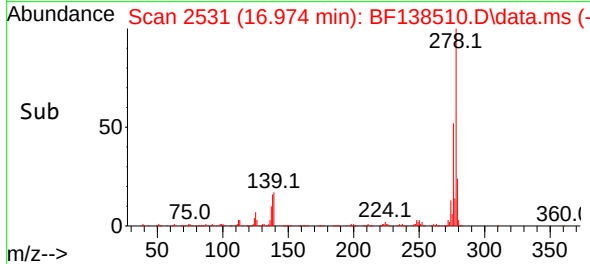


Tgt Ion:278 Resp: 45006
Ion Ratio Lower Upper
278 100
139 16.6 12.8 19.2
279 24.3 19.1 28.7

Manual Integrations
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Reviewed By :Yogesh
Patel
07/11/2024

Supervised By :mohammad
ahmed
07/11/2024



#92
Benzo(g,h,i)perylene
Concen: 34.444 ng
RT: 17.404 min Scan# 2604
Delta R.T. -0.012 min
Lab File: BF138510.D
Acq: 10 Jul 2024 19:48

Tgt Ion:276 Resp: 391070
Ion Ratio Lower Upper
276 100
277 23.2 18.0 27.0
138 21.5 15.5 23.3

