

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136692.D
 Acq On : 22 Dec 2023 18:40
 Operator : CG\JU
 Sample : 05884-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-2MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 23 01:53:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71907	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	270455	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	127227	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	211481	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	124515	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	142018	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	435916	94.588	ng	0.00
7) Phenol-d6	6.434	99	552623	92.542	ng	0.00
23) Nitrobenzene-d5	7.345	82	349556	66.137	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	129064	86.136	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	638082	67.455	ng	-0.01
79) Terphenyl-d14	12.898	244	497999	55.892	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.610	88	71057	37.005	ng	98
3) Pyridine	3.369	79	172835	36.890	ng	99
4) n-Nitrosodimethylamine	3.334	42	104816	41.894	ng	95
6) Aniline	6.451	93	178628	29.919	ng	# 47
8) 2-Chlorophenol	6.575	128	208395	41.321	ng	95
9) Benzaldehyde	6.334	77	56709	16.696	ng	98
10) Phenol	6.445	94	247044	38.754	ng	92
11) bis(2-Chloroethyl)ether	6.522	93	193027	39.817	ng	99
12) 1,3-Dichlorobenzene	6.722	146	212859	38.689	ng	99
13) 1,4-Dichlorobenzene	6.798	146	217255	38.647	ng	99
14) 1,2-Dichlorobenzene	6.951	146	202716	38.753	ng	99
15) Benzyl Alcohol	6.934	79	170701	42.371	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	311423	39.291	ng	86
17) 2-Methylphenol	7.045	107	164644	39.407	ng	96
18) Hexachloroethane	7.286	117	78685	38.541	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	141627	39.124	ng	99
20) 3+4-Methylphenols	7.198	107	205983	39.463	ng	# 81
22) Acetophenone	7.192	105	286341	42.240	ng	94
24) Nitrobenzene	7.363	77	212451	40.127	ng	99
25) Isophorone	7.604	82	379733	39.485	ng	100
26) 2-Nitrophenol	7.681	139	106998	42.240	ng	97
27) 2,4-Dimethylphenol	7.722	122	149954	48.624	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	235927	40.358	ng	98
29) 2,4-Dichlorophenol	7.928	162	160715	40.479	ng	95
30) 1,2,4-Trichlorobenzene	8.004	180	174301	39.402	ng	98
31) Naphthalene	8.081	128	590399	39.736	ng	99
32) Benzoic acid	7.851	122	90879	30.456	ng	96
33) 4-Chloroaniline	8.133	127	86972	15.854	ng	96
34) Hexachlorobutadiene	8.198	225	102626	38.184	ng	99
35) Caprolactam	8.510	113	56149m	42.869	ng	
36) 4-Chloro-3-methylphenol	8.628	107	173331	38.779	ng	98
37) 2-Methylnaphthalene	8.775	142	367186	38.400	ng	99
38) 1-Methylnaphthalene	8.875	142	357324	38.089	ng	100
40) 1,2,4,5-Tetrachloroben...	8.939	216	177427	45.030	ng	98
41) Hexachlorocyclopentadiene	8.928	237	89233	71.578	ng	100
43) 2,4,6-Trichlorophenol	9.057	196	110810	43.852	ng	98

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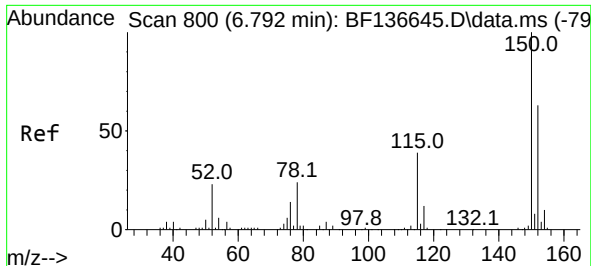
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	115500	41.018	ng	95
46) 1,1'-Biphenyl	9.239	154	468610	43.893	ng	99
47) 2-Chloronaphthalene	9.263	162	337462	41.578	ng	100
48) 2-Nitroaniline	9.369	65	110676	43.546	ng	93
49) Acenaphthylene	9.680	152	560469	45.179	ng	100
50) Dimethylphthalate	9.545	163	388305	41.785	ng	99
51) 2,6-Dinitrotoluene	9.610	165	86001	40.777	ng	87
52) Acenaphthene	9.851	154	313417	40.756	ng	99
53) 3-Nitroaniline	9.774	138	66940	29.962	ng	96
54) 2,4-Dinitrophenol	9.886	184	47770	42.695	ng	# 79
55) Dibenzofuran	10.027	168	475478	40.789	ng	98
56) 4-Nitrophenol	9.957	139	109753	72.772	ng	95
57) 2,4-Dinitrotoluene	10.016	165	106349	38.843	ng	98
58) Fluorene	10.369	166	364661	39.425	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.145	232	86565	39.936	ng	# 100
60) Diethylphthalate	10.245	149	393284	40.789	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	176750	39.314	ng	97
62) 4-Nitroaniline	10.392	138	71927m	33.396	ng	
63) Azobenzene	10.522	77	351950	39.081	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	37308	30.782	ng	94
66) n-Nitrosodiphenylamine	10.480	169	331812	48.300	ng	98
67) 4-Bromophenyl-phenylether	10.851	248	103312	43.988	ng	96
68) Hexachlorobenzene	10.916	284	110239	42.118	ng	93
69) Atrazine	11.016	200	100415	57.148	ng	99
70) Pentachlorophenol	11.116	266	90277	73.998	ng	98
71) Phenanthrene	11.333	178	462600	42.631	ng	99
72) Anthracene	11.386	178	463900	42.213	ng	99
73) Carbazole	11.545	167	400281	38.633	ng	99
74) Di-n-butylphthalate	11.874	149	555207	43.914	ng	100
75) Fluoranthene	12.527	202	417577	35.976	ng	99
77) Benzidine	12.651	184	111080	30.255	ng	98
78) Pyrene	12.757	202	411458	33.662	ng	99
80) Butylbenzylphthalate	13.380	149	176219	39.620	ng	96
81) Benzo(a)anthracene	13.951	228	356313	41.210	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	106690	43.450	ng	99
83) Chrysene	13.986	228	347702	41.123	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	233347	41.699	ng	# 97
85) Di-n-octyl phthalate	14.562	149	417680	48.252	ng	100
87) Indeno(1,2,3-cd)pyrene	16.933	276	356583	34.775	ng	99
88) Benzo(b)fluoranthene	15.004	252	402574	42.441	ng	99
89) Benzo(k)fluoranthene	15.033	252	334976	37.373	ng	99
90) Benzo(a)pyrene	15.374	252	331025	41.343	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	303841	36.119	ng	97
92) Benzo(g,h,i)perylene	17.386	276	264584	30.709	ng	97

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



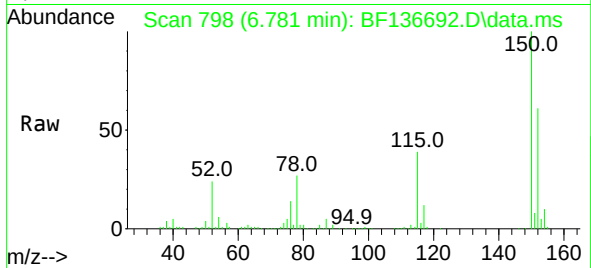
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7190
Delta R.T. -0.011 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

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BNA_F

ClientSampleId :

SOIL-COMP-2MSD

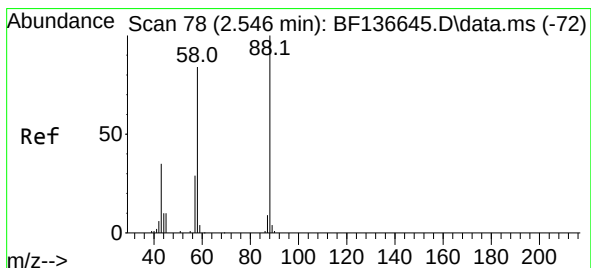
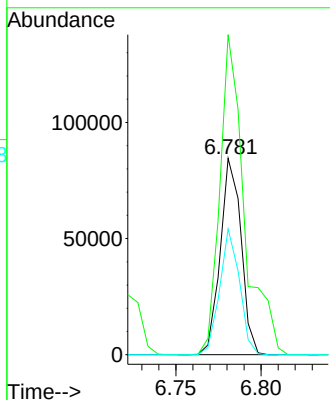
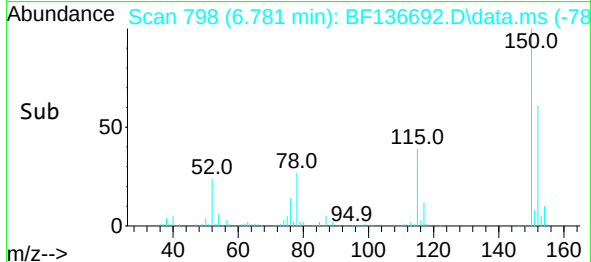


Tgt Ion:152 Resp: 7190
Ion Ratio Lower Upper
152 100
150 163.0 127.0 190.6
115 64.1 49.0 73.4

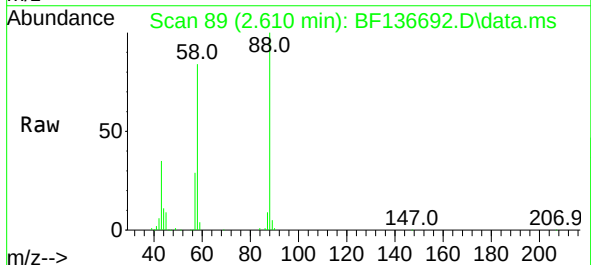
Manual Integrations

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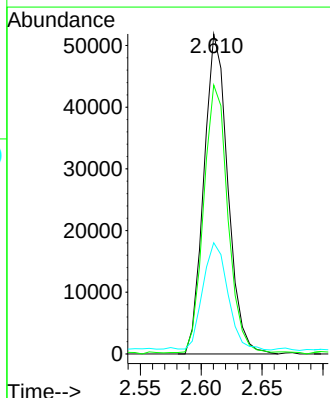
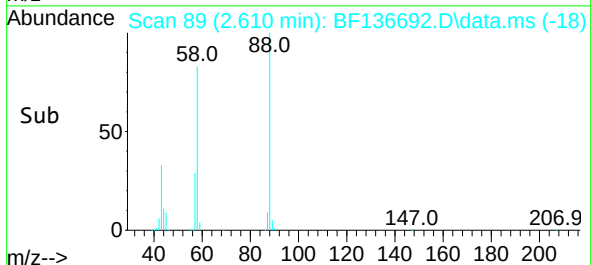
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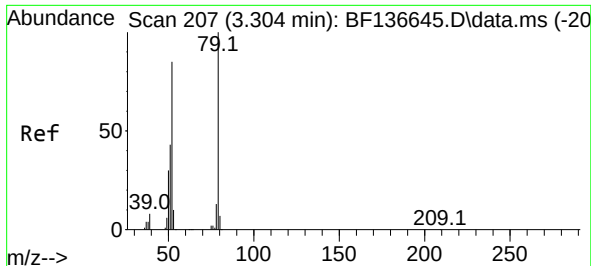


#2
1,4-Dioxane
Concen: 37.005 ng
RT: 2.610 min Scan# 89
Delta R.T. 0.065 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion: 88 Resp: 71057
Ion Ratio Lower Upper
88 100
58 86.1 67.4 101.0
43 35.1 27.7 41.5





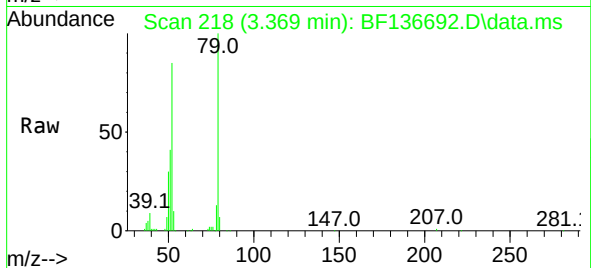
#3
Pyridine
Concen: 36.890 ng
RT: 3.369 min Scan# 218
Delta R.T. 0.065 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

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BNA_F

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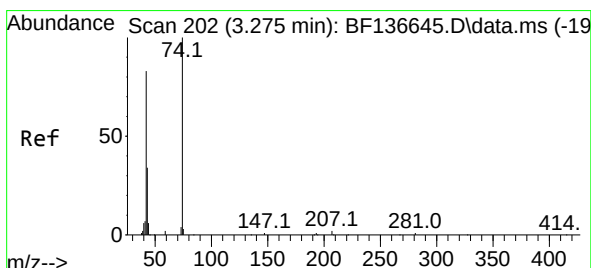
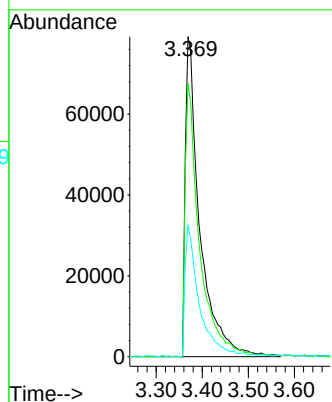
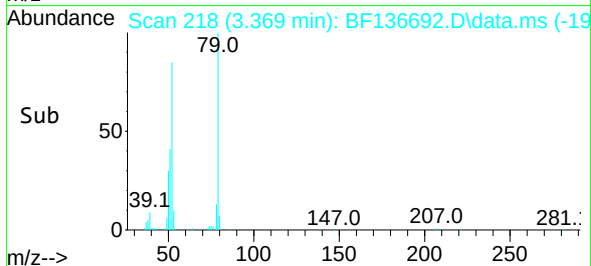
Tgt Ion: 79 Resp: 17283
Ion Ratio Lower Upper
79 100
52 85.4 67.7 101.5
51 41.0 34.0 51.0

Manual Integrations

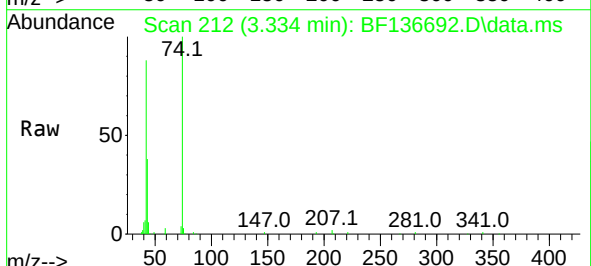
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Reviewed By :Yogesh Patel 12/25/2023

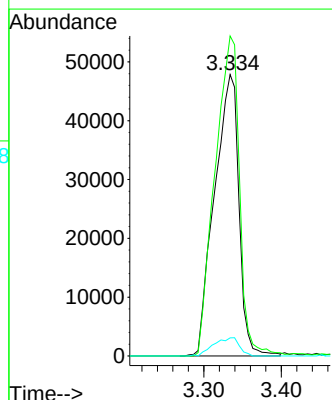
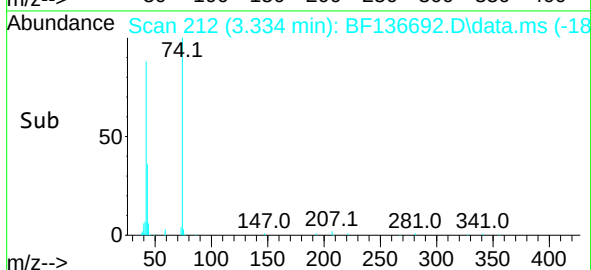
Supervised By :mohammad ahmed 12/25/2023

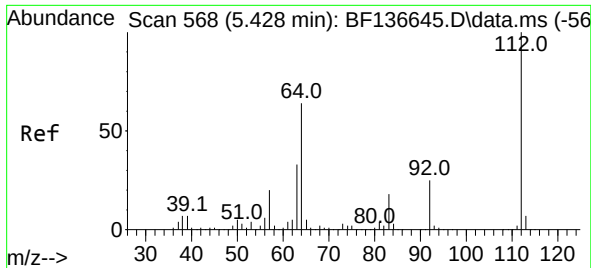


#4
n-Nitrosodimethylamine
Concen: 41.894 ng
RT: 3.334 min Scan# 212
Delta R.T. 0.059 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion: 42 Resp: 104816
Ion Ratio Lower Upper
42 100
74 113.7 96.0 144.0
44 6.4 5.4 8.2





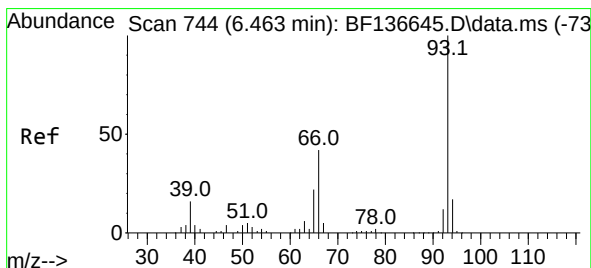
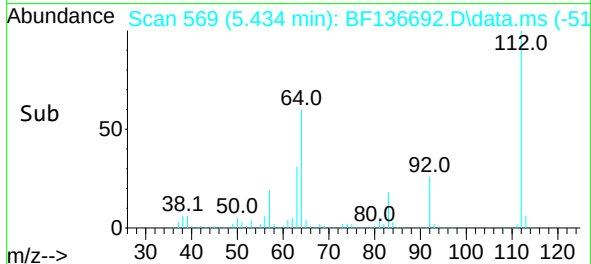
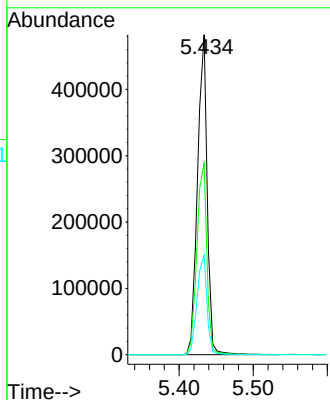
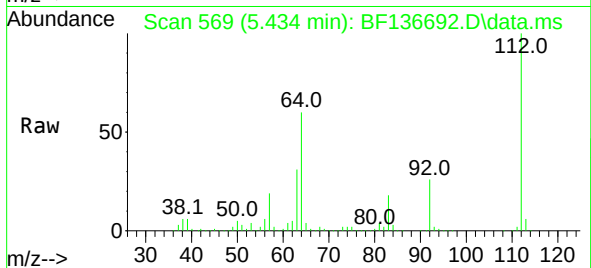
#5
2-Fluorophenol
Concen: 94.588 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD

Tgt Ion:112 Resp: 435910
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 31.1 26.1 39.1

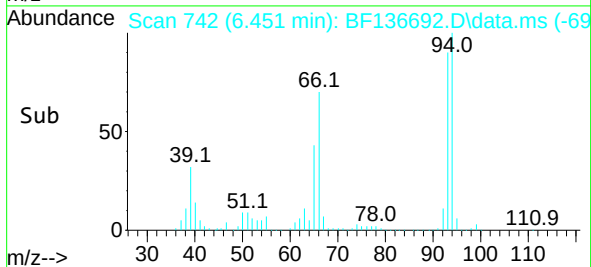
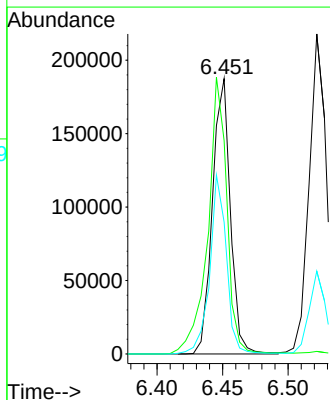
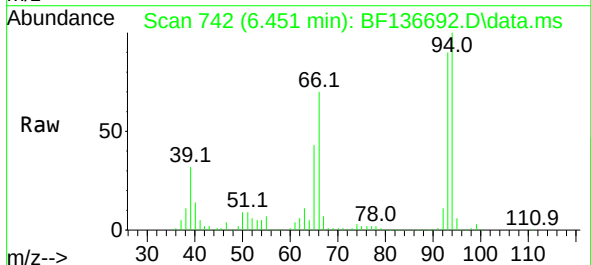
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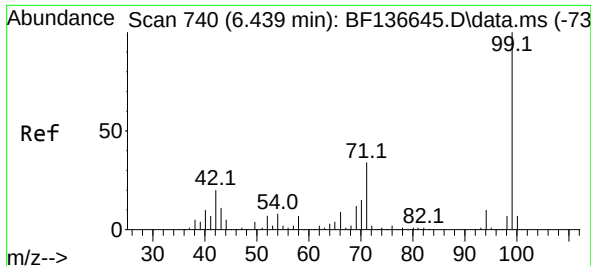
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#6
Aniline
Concen: 29.919 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF136692.D
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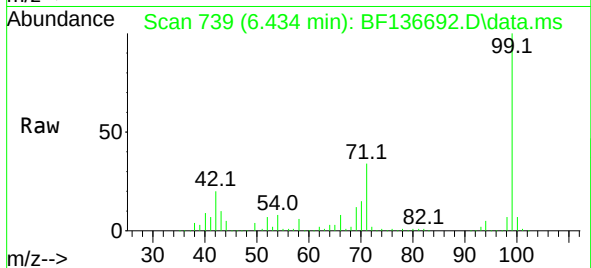
Tgt Ion: 93 Resp: 178628
Ion Ratio Lower Upper
93 100
66 77.4 34.6 51.8#
65 47.9 17.8 26.8#





#7
Phenol-d6
Concen: 92.542 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

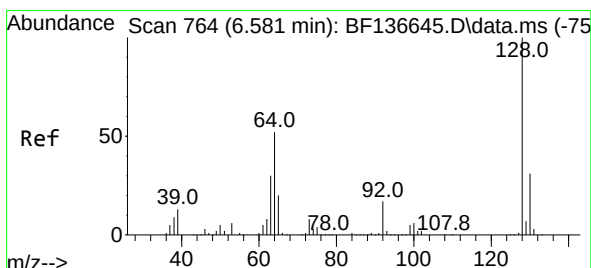
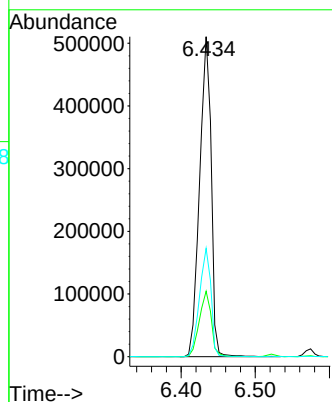
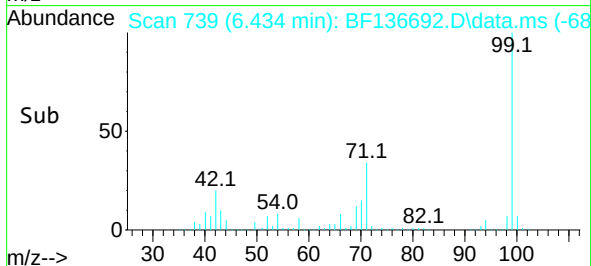
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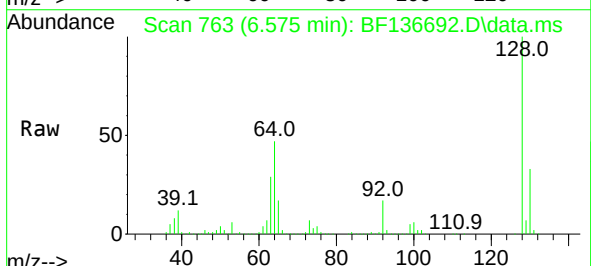
Tgt Ion: 99 Resp: 55262
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 33.9 27.4 41.2

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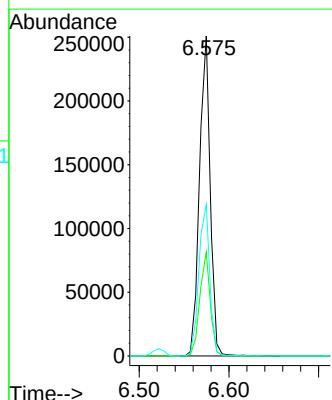
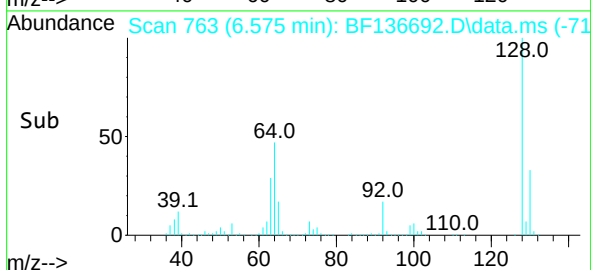
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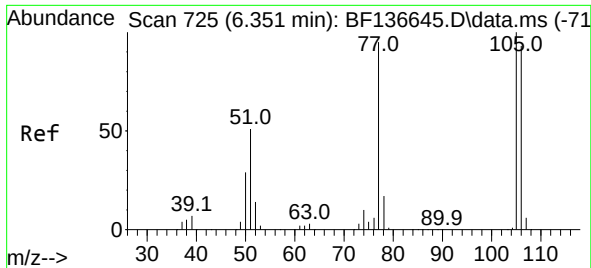


#8
2-Chlorophenol
Concen: 41.321 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:128 Resp: 208395
Ion Ratio Lower Upper
128 100
130 32.5 11.3 51.3
64 47.4 32.5 72.5





#9

Benzaldehyde

Concen: 16.696 ng

RT: 6.334 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF136692.D

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Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

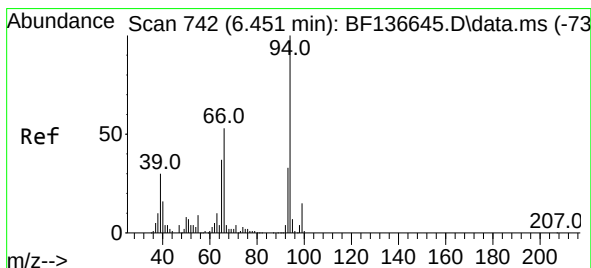
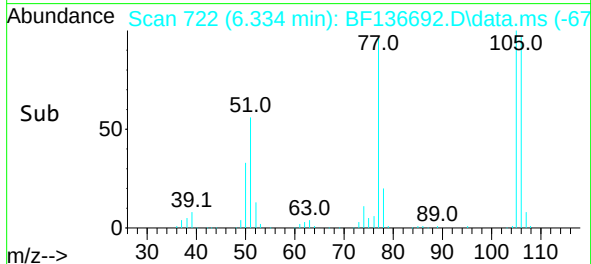
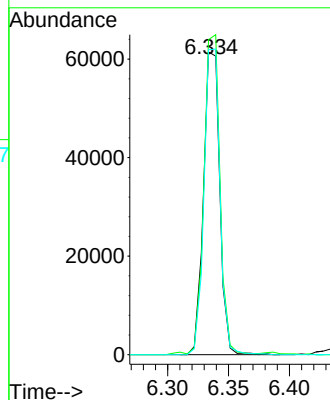
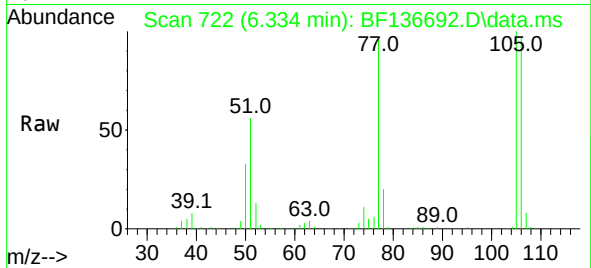
Tgt Ion: 77	Resp: 56709
Ion Ratio	Lower Upper
77 100	
105 104.1	84.8 124.8
106 100.8	77.8 117.8

Manual Integrations

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#10

Phenol

Concen: 38.754 ng

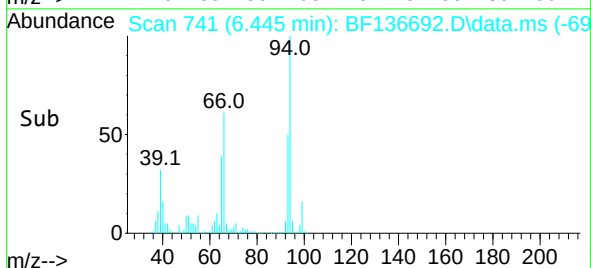
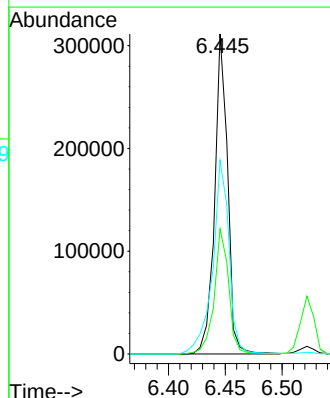
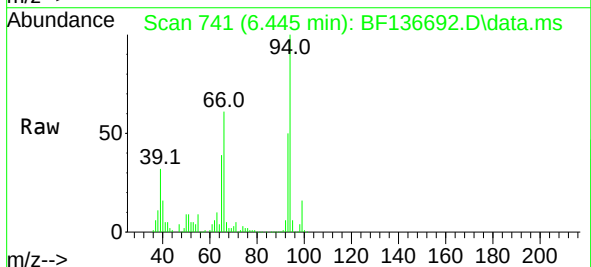
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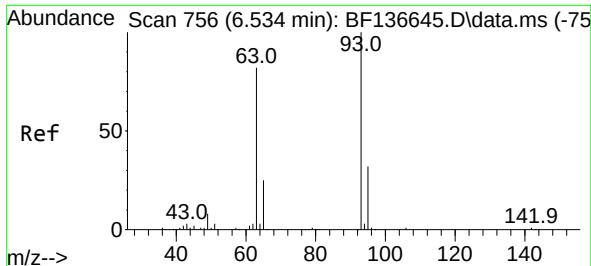
Delta R.T. -0.006 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Tgt Ion: 94	Resp: 247044
Ion Ratio	Lower Upper
94 100	
65 39.1	16.6 56.6
66 60.5	32.6 72.6





#11

bis(2-Chloroethyl)ether

Concen: 39.817 ng

RT: 6.522 min Scan# 7

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

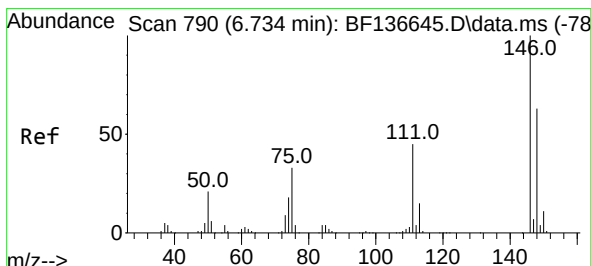
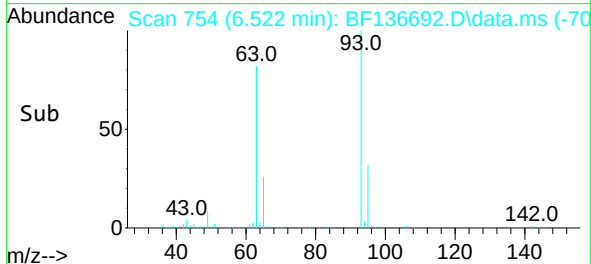
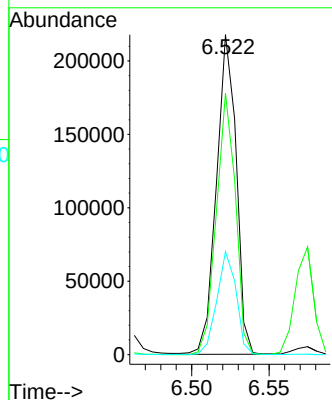
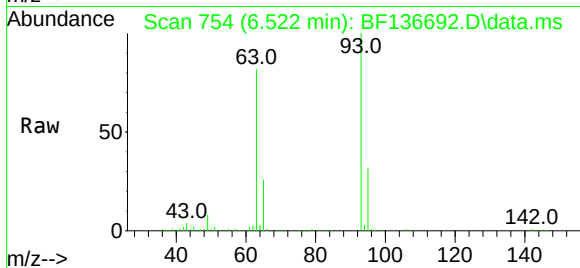
SOIL-COMP-2MSD

Tgt Ion:	93	Resp:	19302
Ion Ratio	Lower	Upper	
93	100		
63	81.7	61.2	101.2
95	32.2	11.6	51.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#12

1,3-Dichlorobenzene

Concen: 38.689 ng

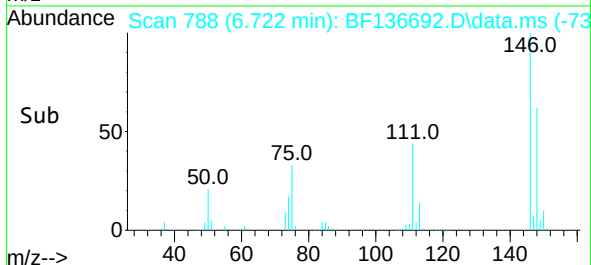
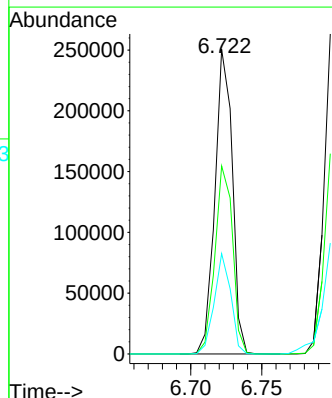
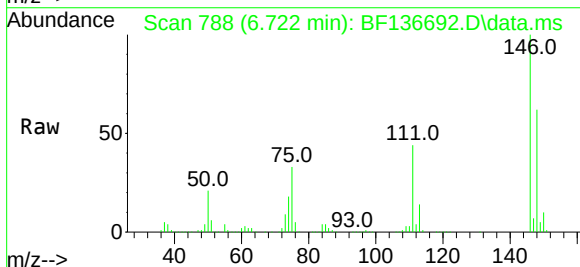
RT: 6.722 min Scan# 788

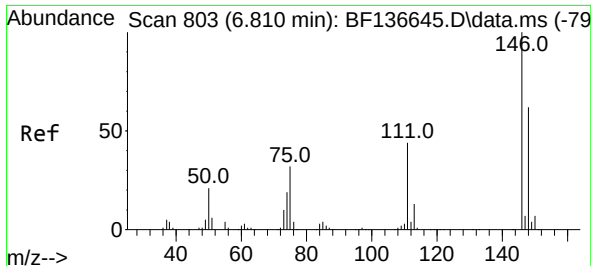
Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Tgt Ion:	146	Resp:	212859
Ion Ratio	Lower	Upper	
146	100		
148	61.7	50.5	75.7
75	32.9	26.2	39.4





#13

1,4-Dichlorobenzene

Concen: 38.647 ng

RT: 6.798 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

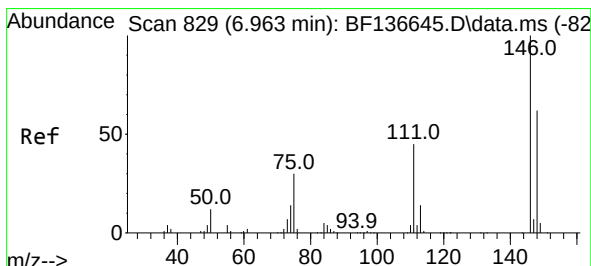
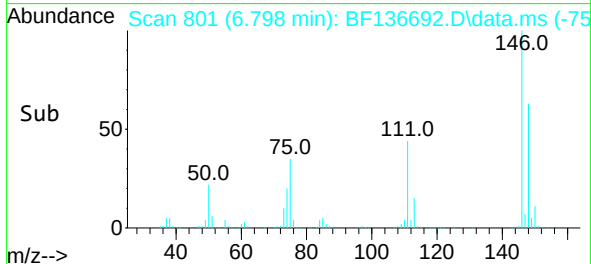
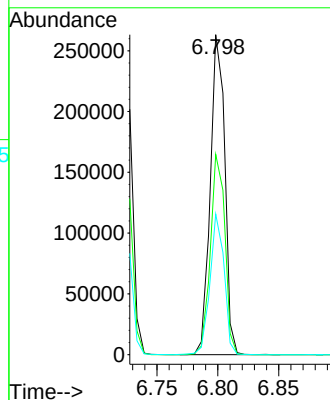
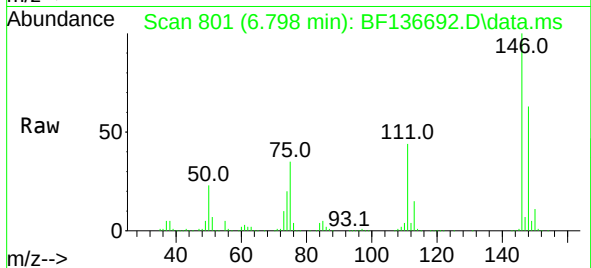
Tgt Ion:146 Resp: 21725
 Ion Ratio Lower Upper
 146 100
 148 62.6 49.2 73.8
 111 44.0 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#14

1,2-Dichlorobenzene

Concen: 38.753 ng

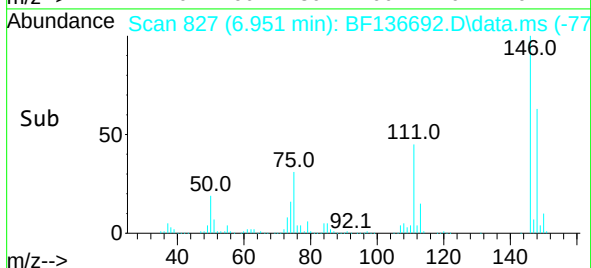
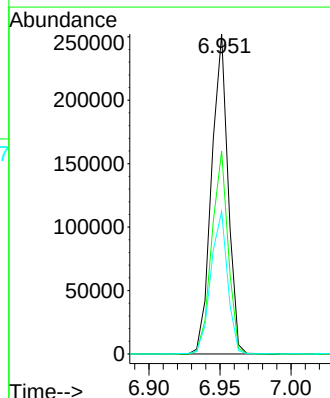
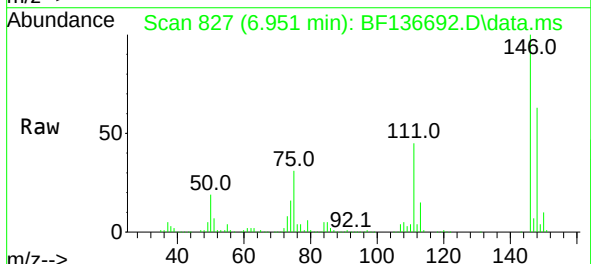
RT: 6.951 min Scan# 827

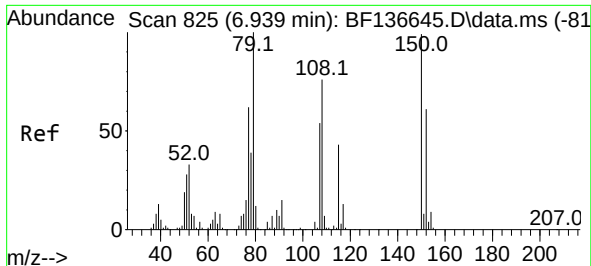
Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

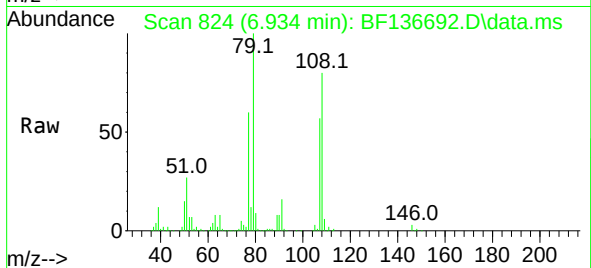
Tgt Ion:146 Resp: 202716
 Ion Ratio Lower Upper
 146 100
 148 63.4 49.6 74.4
 111 44.5 36.2 54.2





#15
Benzyl Alcohol
Concen: 42.371 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

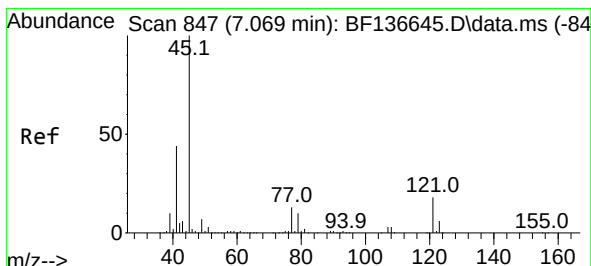
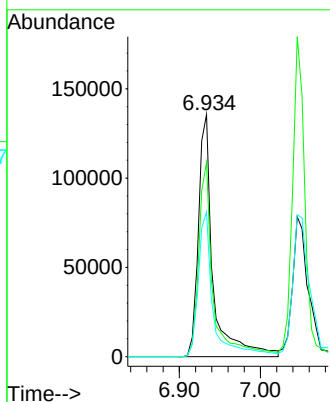
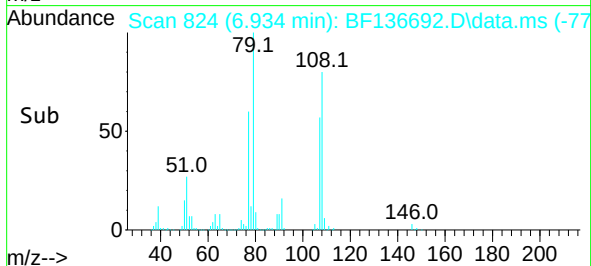
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



Tgt Ion: 79 Resp: 17070
Ion Ratio Lower Upper
79 100
108 80.3 61.0 91.6
77 59.8 49.8 74.8

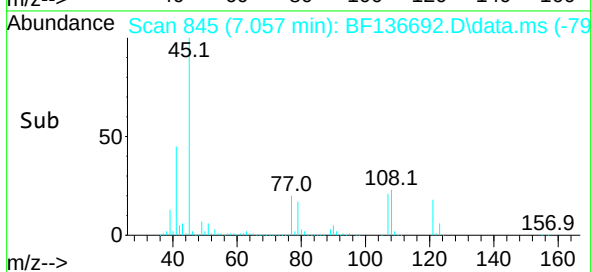
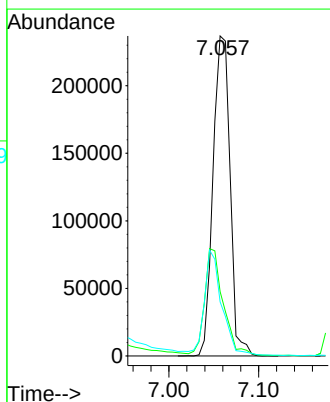
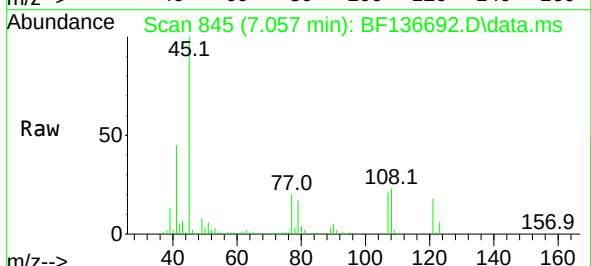
Manual Integrations
APPROVED

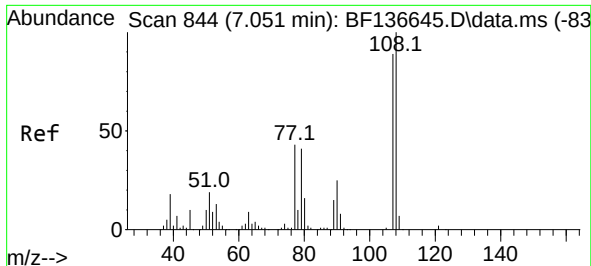
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.291 ng
RT: 7.057 min Scan# 845
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

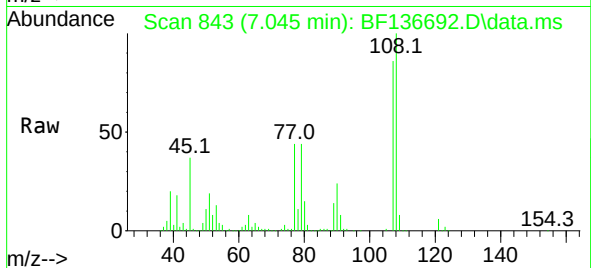
Tgt Ion: 45 Resp: 311423
Ion Ratio Lower Upper
45 100
77 20.1 0.0 34.3
79 16.9 0.0 31.4





#17
2-Methylphenol
Concen: 39.407 ng
RT: 7.045 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

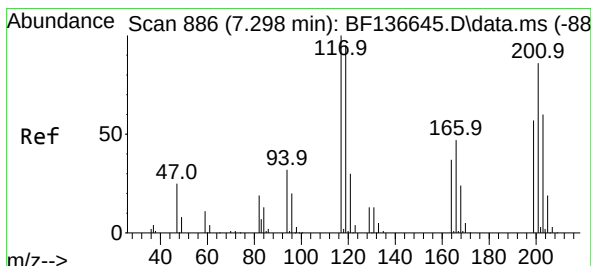
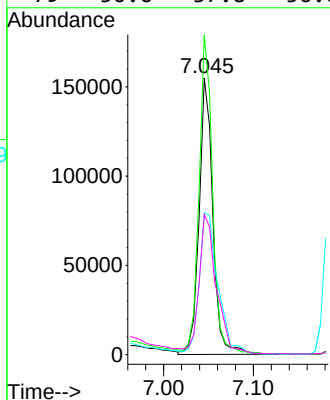
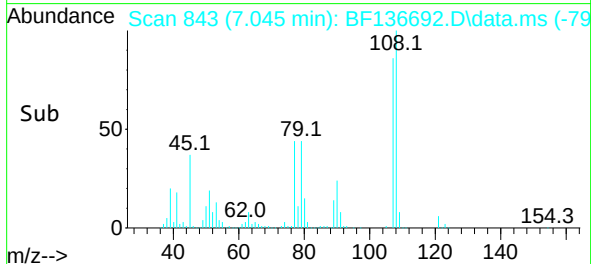
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



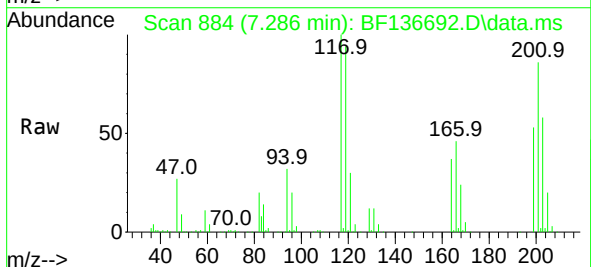
Tgt Ion:107 Resp: 164644
Ion Ratio Lower Upper
107 100
108 115.7 90.3 135.5
77 51.3 38.7 58.1
79 50.6 37.8 56.6

Manual Integrations
APPROVED

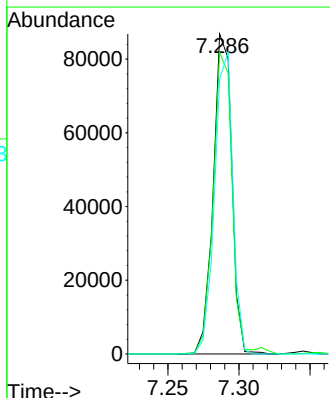
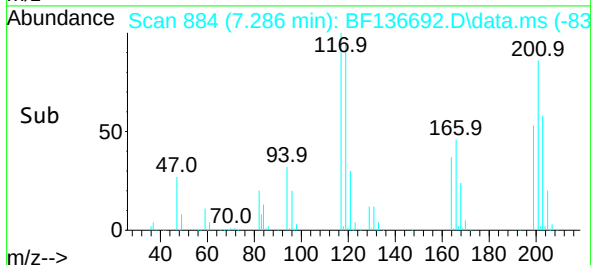
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

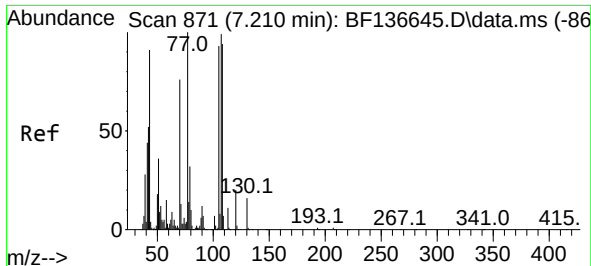


#18
Hexachloroethane
Concen: 38.541 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:117 Resp: 78685
Ion Ratio Lower Upper
117 100
119 94.2 75.8 113.6
201 85.9 69.1 103.7





#19

n-Nitroso-di-n-propylamine

Concen: 39.124 ng

RT: 7.198 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF136692.D

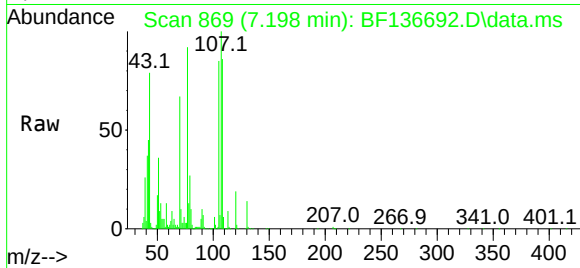
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD



Tgt Ion: 70 Resp: 14162

Ion Ratio Lower Upper

70 100

42 66.9 54.2 81.4

101 9.6 7.6 11.4

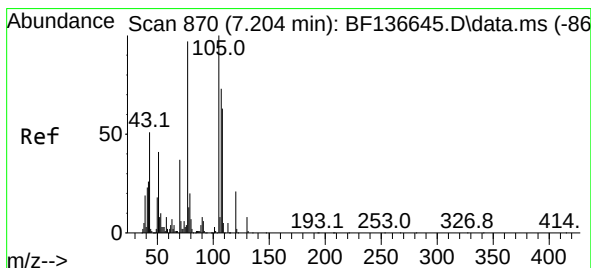
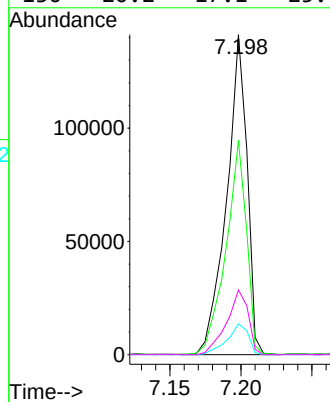
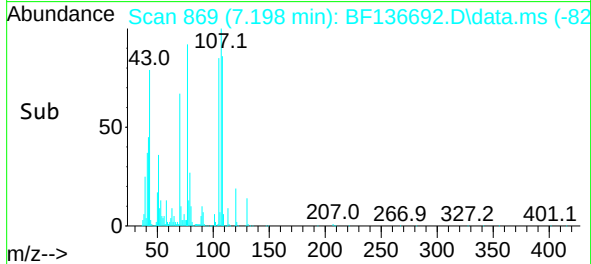
130 20.2 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#20

3+4-Methylphenols

Concen: 39.463 ng

RT: 7.198 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Tgt Ion:107 Resp: 205983

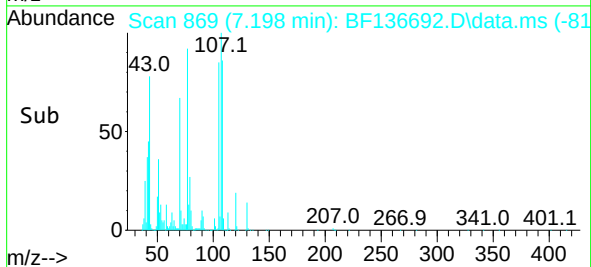
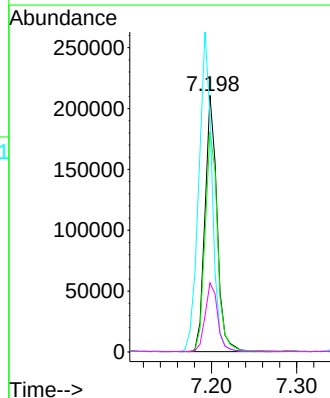
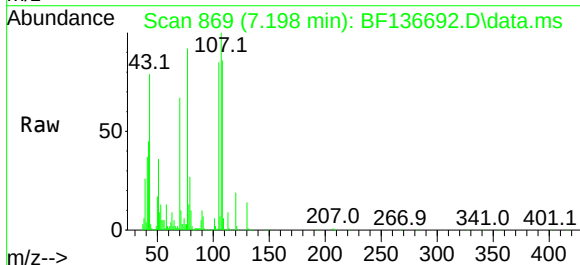
Ion Ratio Lower Upper

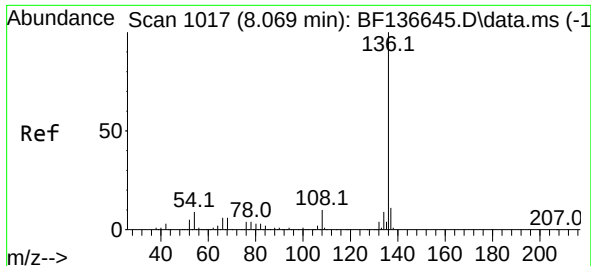
107 100

108 85.8 66.0 106.0

77 92.3 114.2 154.2#

79 26.9 7.2 47.2





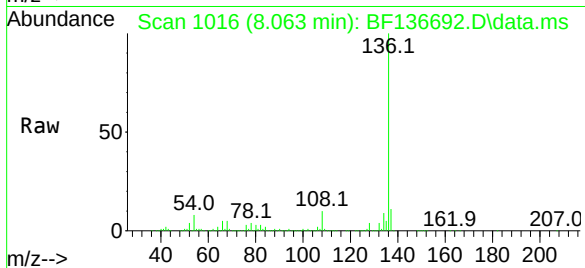
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

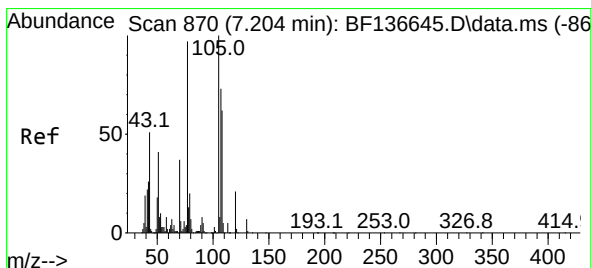
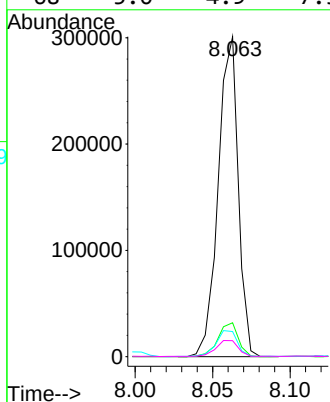
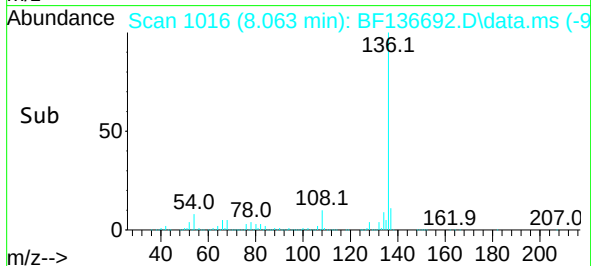


Tgt Ion:136 Resp: 27045
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.9 7.2 10.8
68 5.0 4.9 7.3

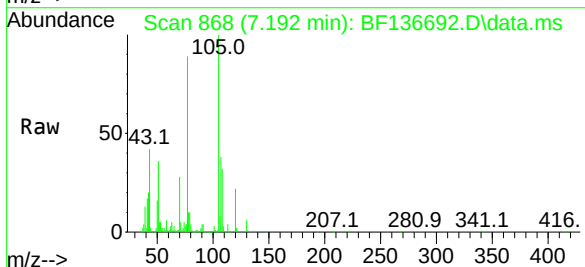
Manual Integrations

APPROVED

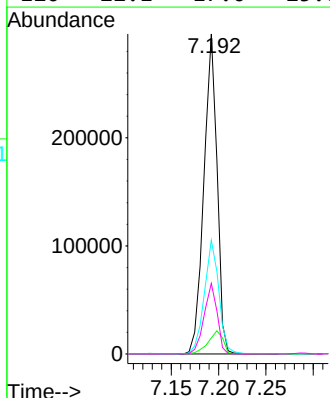
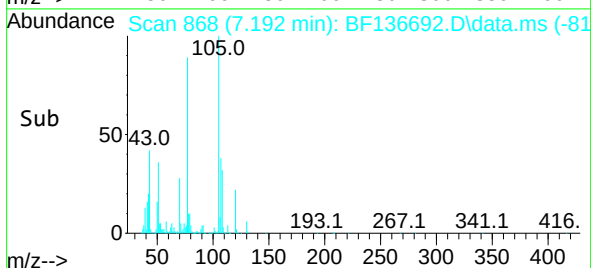
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

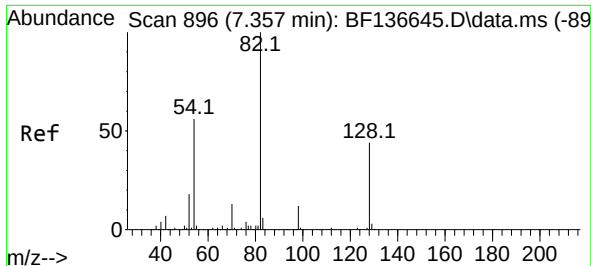


#22
Acetophenone
Concen: 42.240 ng
RT: 7.192 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:105 Resp: 286341
Ion Ratio Lower Upper
105 100
71 5.0 4.8 7.2
51 35.5 32.8 49.2
120 22.1 17.0 25.6





#23

Nitrobenzene-d5

Concen: 66.137 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

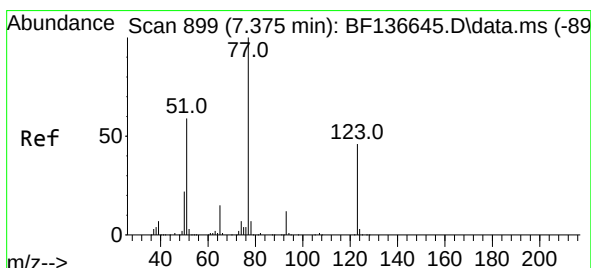
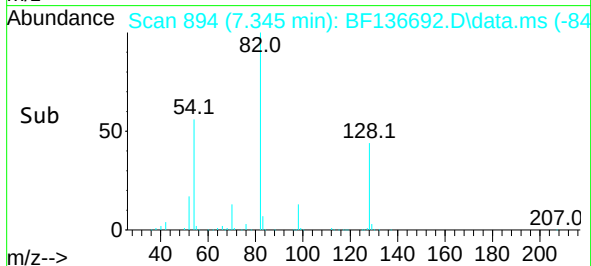
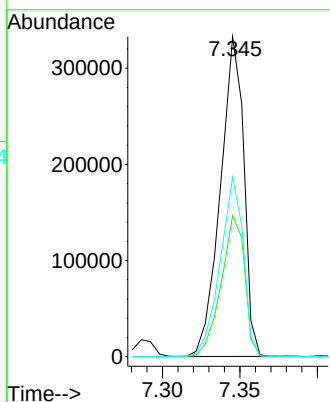
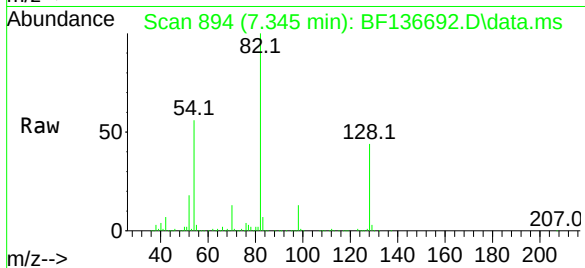
SOIL-COMP-2MSD

Tgt Ion: 82 Resp: 349550
 Ion Ratio Lower Upper
 82 100
 128 44.1 35.3 52.9
 54 56.1 44.5 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023



#24

Nitrobenzene

Concen: 40.127 ng

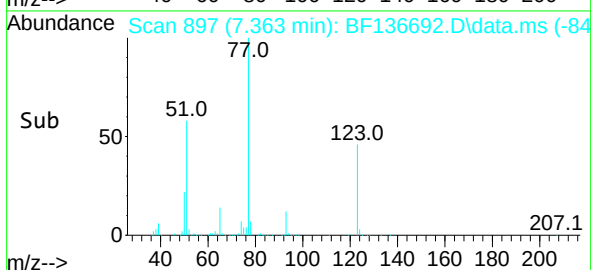
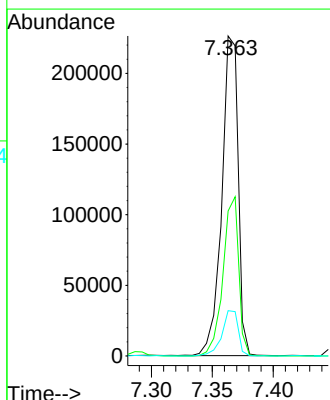
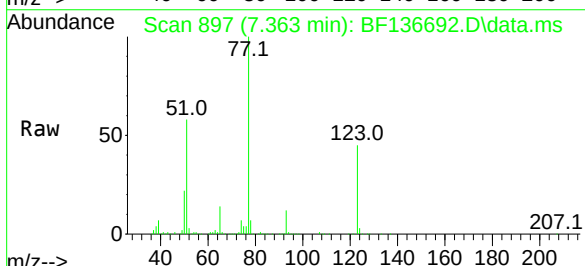
RT: 7.363 min Scan# 897

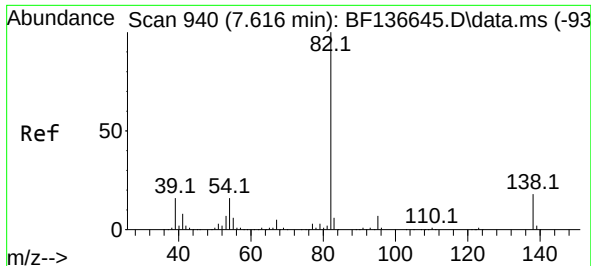
Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Tgt Ion: 77 Resp: 212451
 Ion Ratio Lower Upper
 77 100
 123 45.3 36.7 55.1
 65 14.1 11.8 17.6





#25
Isophorone
Concen: 39.485 ng
RT: 7.604 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

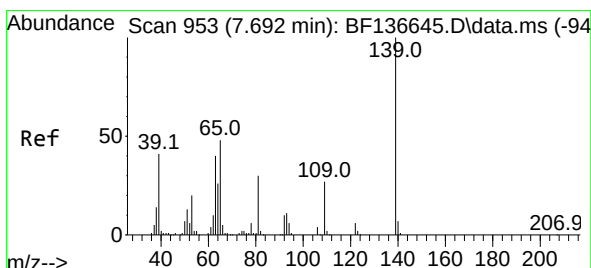
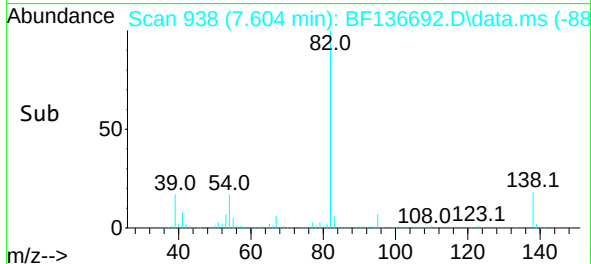
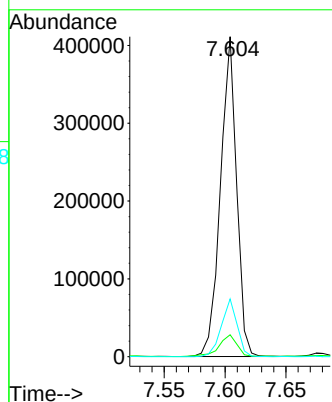
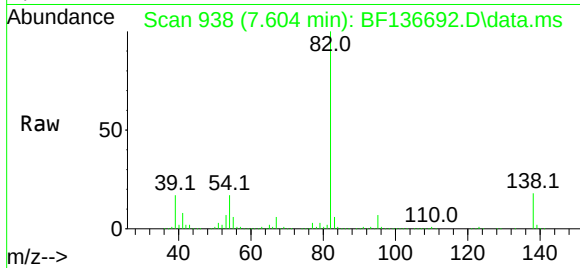
SOIL-COMP-2MSD

Tgt Ion: 82 Resp: 379733
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 18.1 14.5 21.7

Manual Integrations

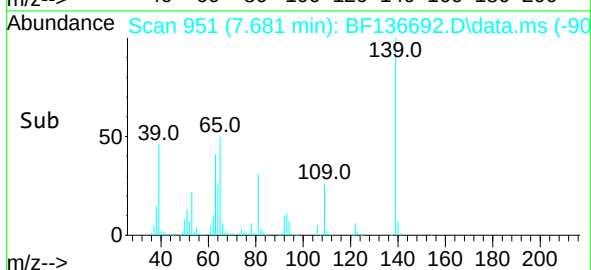
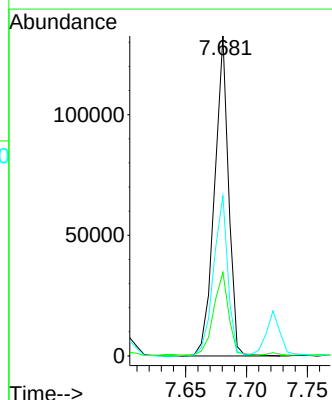
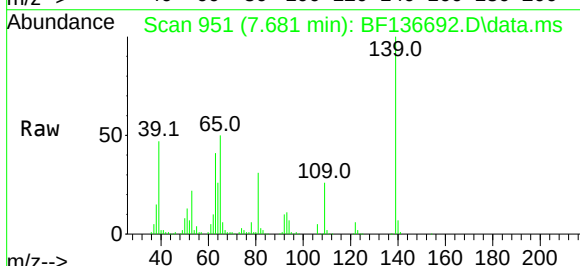
APPROVED

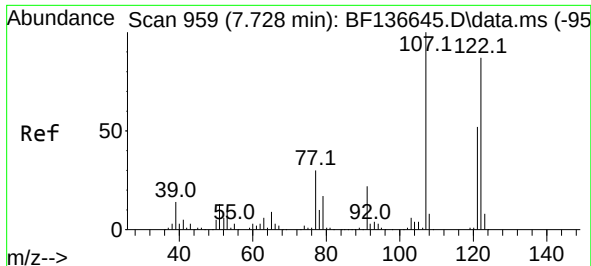
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#26
2-Nitrophenol
Concen: 42.240 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:139 Resp: 106998
Ion Ratio Lower Upper
139 100
109 26.1 21.9 32.9
65 50.1 38.6 58.0





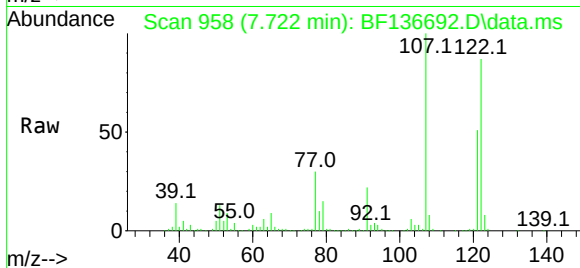
#27
2,4-Dimethylphenol
Concen: 48.624 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

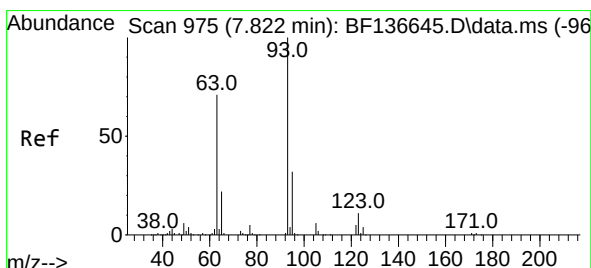
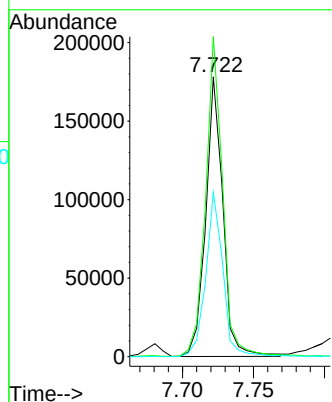
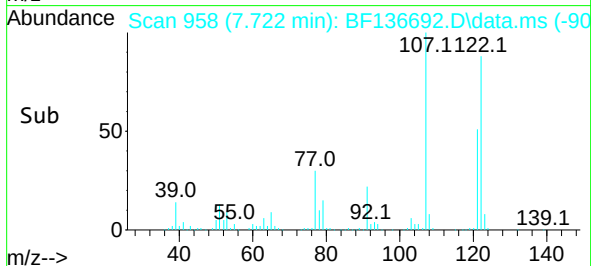


Tgt Ion:122 Resp: 149954
Ion Ratio Lower Upper
122 100
107 114.3 92.0 138.0
121 58.7 47.5 71.3

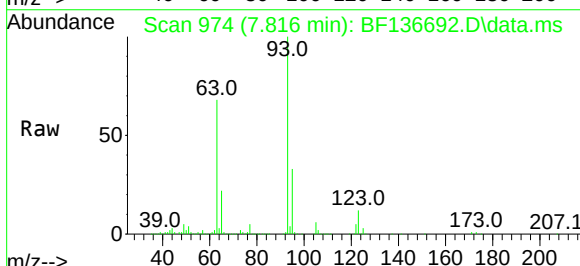
Manual Integrations

APPROVED

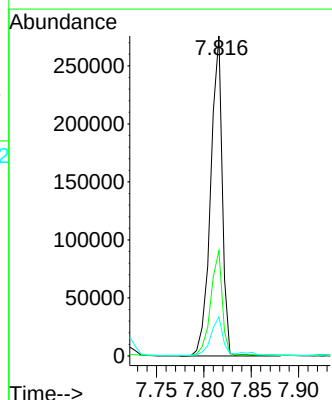
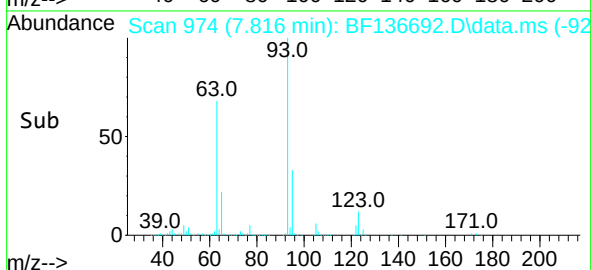
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

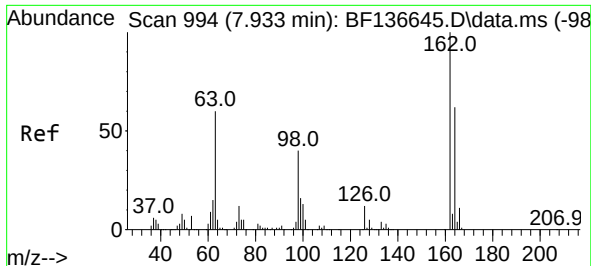


#28
bis(2-Chloroethoxy)methane
Concen: 40.358 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion: 93 Resp: 235927
Ion Ratio Lower Upper
93 100
95 32.9 25.5 38.3
123 12.3 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 40.479 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

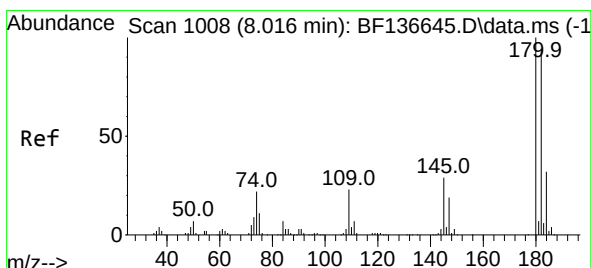
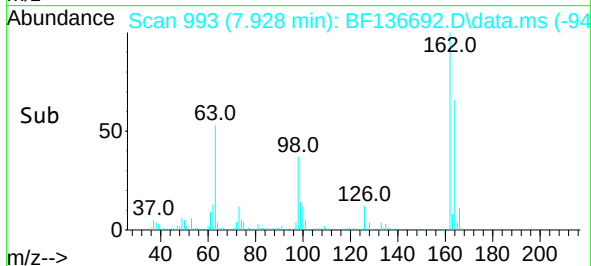
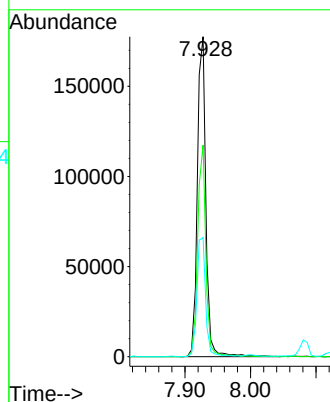
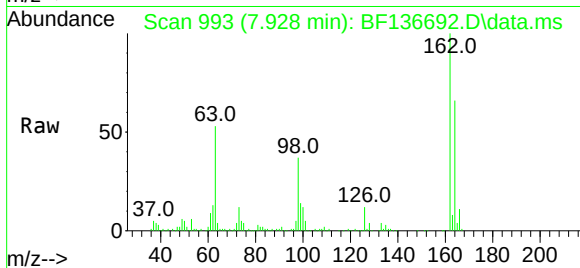
Tgt Ion:162 Resp: 160715
 Ion Ratio Lower Upper
 162 100
 164 66.1 41.7 81.7
 98 37.3 19.5 59.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#30

1,2,4-Trichlorobenzene

Concen: 39.402 ng

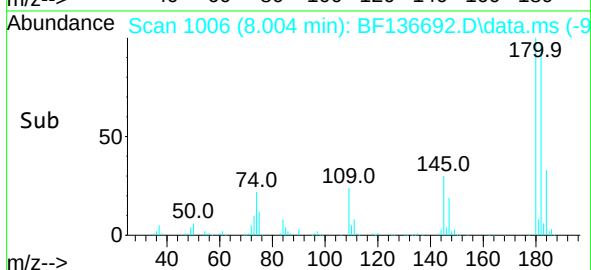
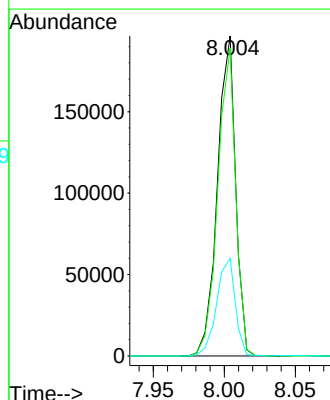
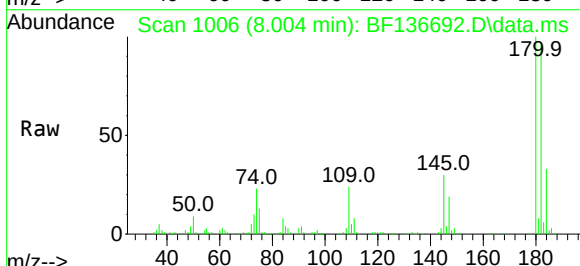
RT: 8.004 min Scan# 1006

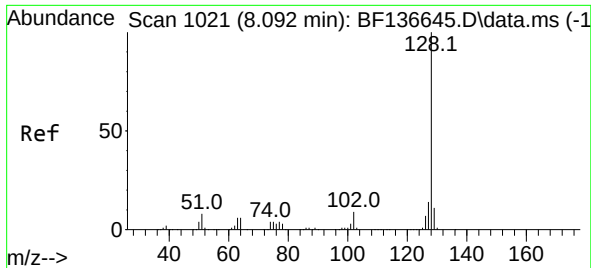
Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Tgt Ion:180 Resp: 174301
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.4 113.0
 145 30.5 23.1 34.7





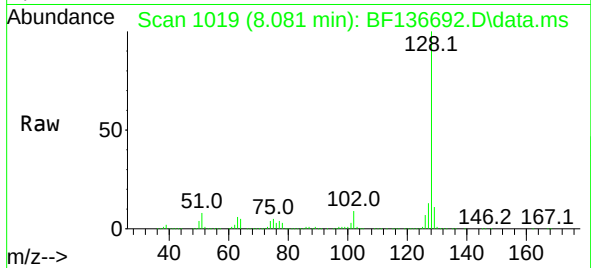
#31
Naphthalene
Concen: 39.736 ng
RT: 8.081 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD



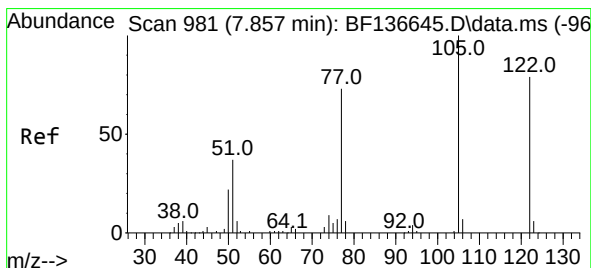
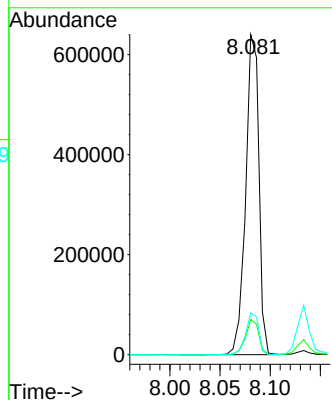
Tgt Ion:128 Resp: 590399
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.0 10.8 16.2

Manual Integrations

APPROVED

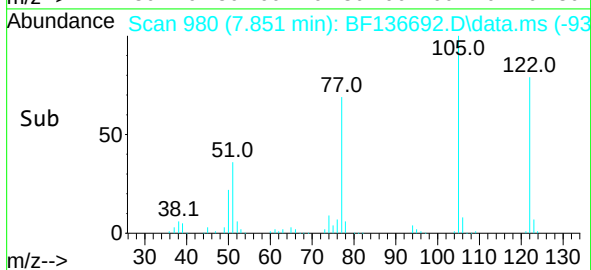
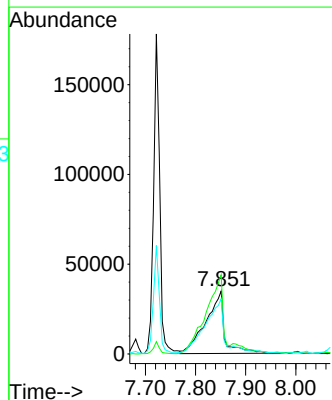
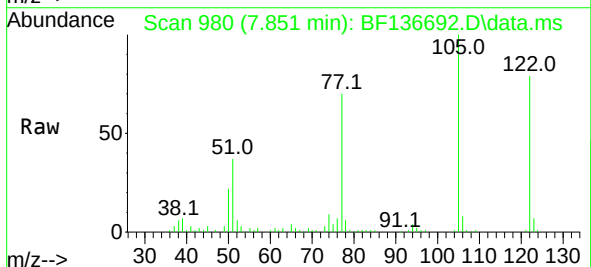
Reviewed By :Yogesh Patel 12/25/2023

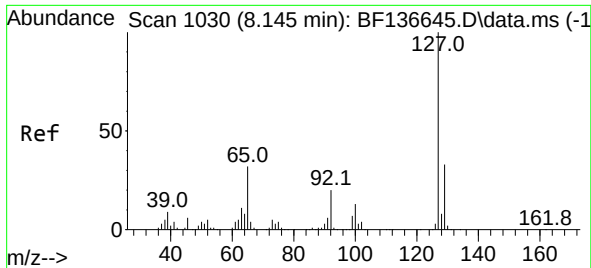
Supervised By :mohammad ahmed 12/25/2023



#32
Benzoic acid
Concen: 30.456 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:122 Resp: 90879
Ion Ratio Lower Upper
122 100
105 125.9 100.8 140.8
77 87.6 70.9 110.9





#33
4-Chloroaniline
Concen: 15.854 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

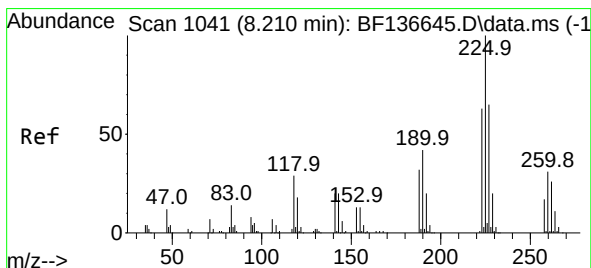
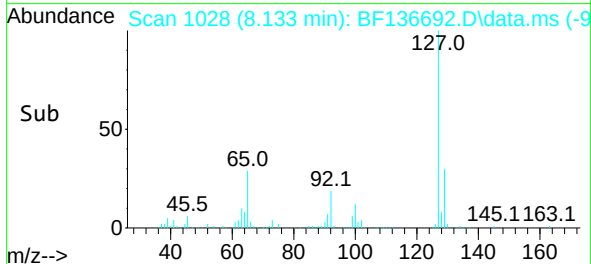
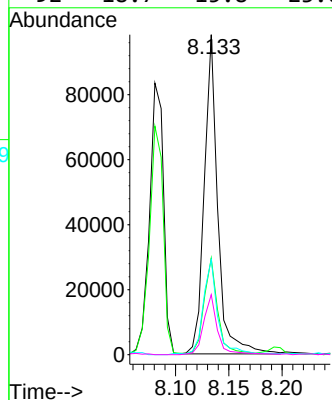
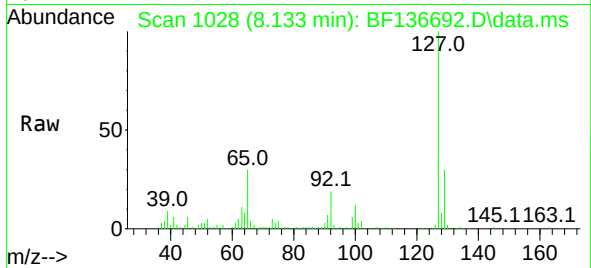
SOIL-COMP-2MSD

Tgt Ion:127 Resp: 86972
Ion Ratio Lower Upper
127 100
129 30.2 26.3 39.5
65 29.7 25.8 38.8
92 18.7 15.8 23.6

Manual Integrations

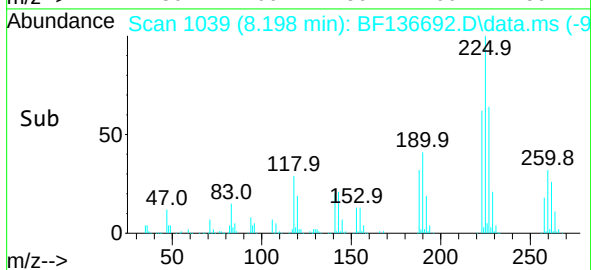
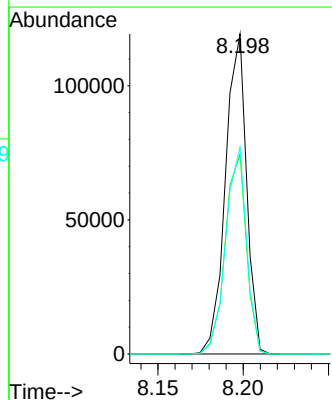
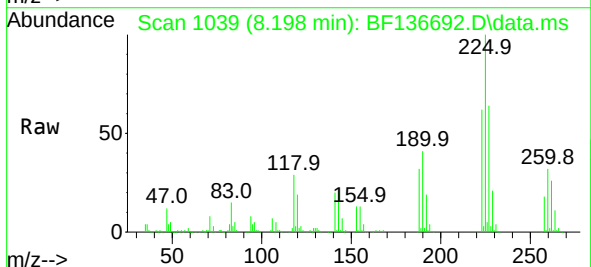
APPROVED

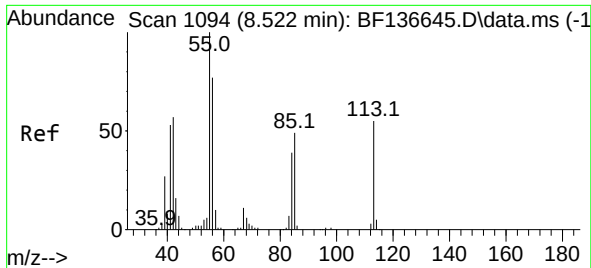
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#34
Hexachlorobutadiene
Concen: 38.184 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:225 Resp: 102626
Ion Ratio Lower Upper
225 100
223 62.3 50.6 76.0
227 64.5 51.9 77.9





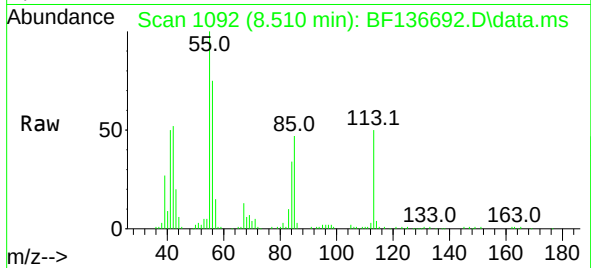
#35
Caprolactam
Concen: 42.869 ng m
RT: 8.510 min Scan# 1094
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

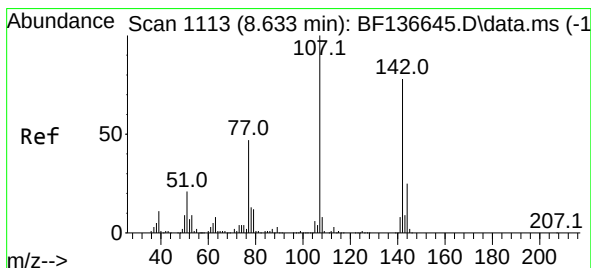
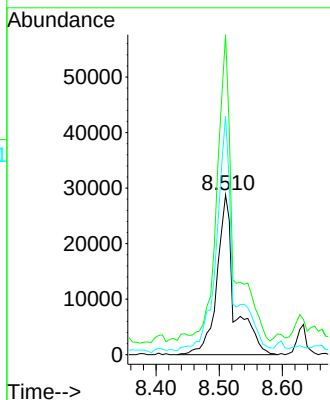
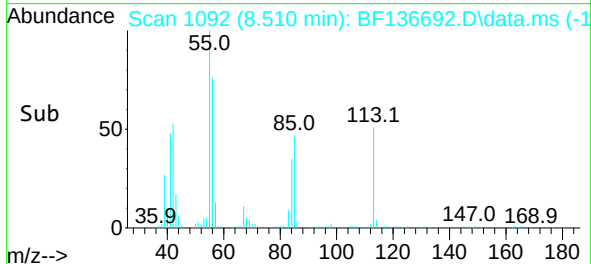


Tgt Ion:113 Resp: 56149
Ion Ratio Lower Upper
113 100
55 200.1 163.1 203.1
56 149.2 121.7 161.7

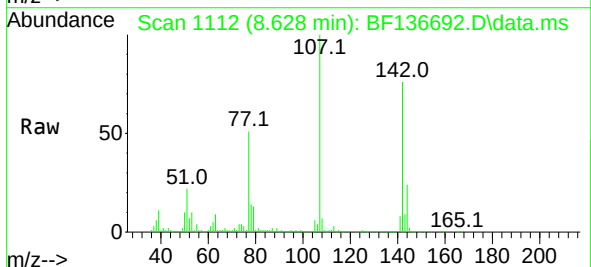
Manual Integrations

APPROVED

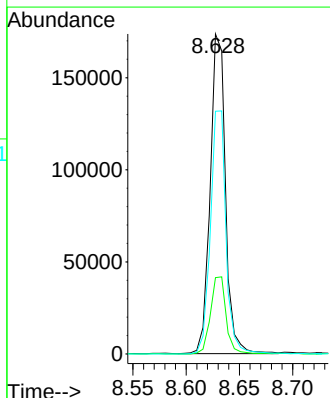
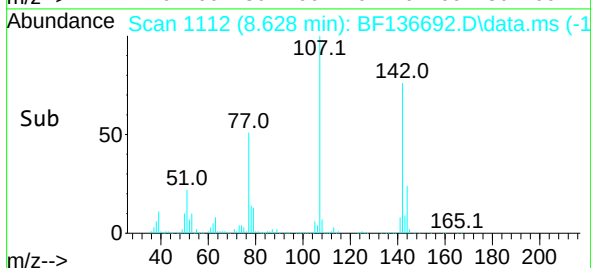
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

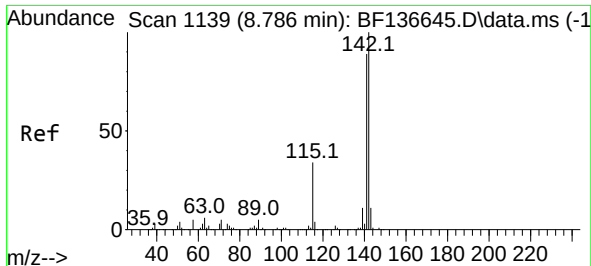


#36
4-Chloro-3-methylphenol
Concen: 38.779 ng
RT: 8.628 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:107 Resp: 173331
Ion Ratio Lower Upper
107 100
144 23.9 20.2 30.2
142 75.8 62.3 93.5





#37
2-Methylnaphthalene
Concen: 38.400 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

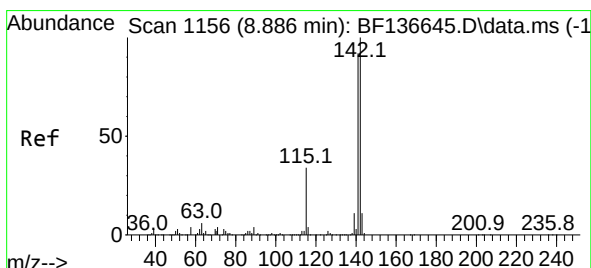
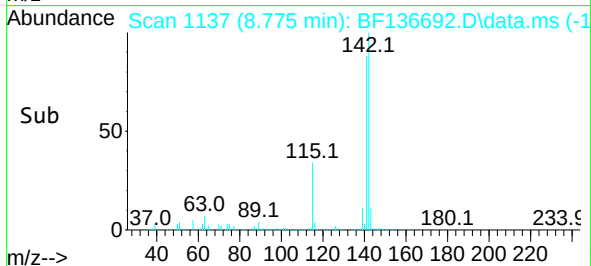
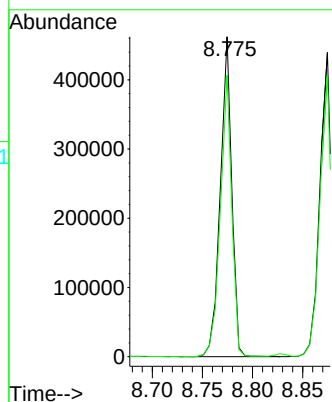
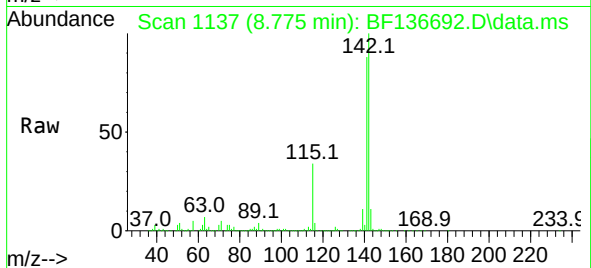
SOIL-COMP-2MSD

Tgt Ion:142 Resp: 367180
Ion Ratio Lower Upper
142 100
141 87.9 71.1 106.7

Manual Integrations

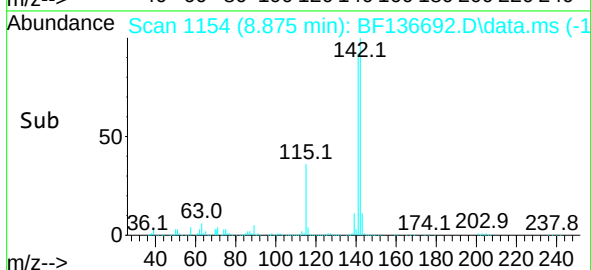
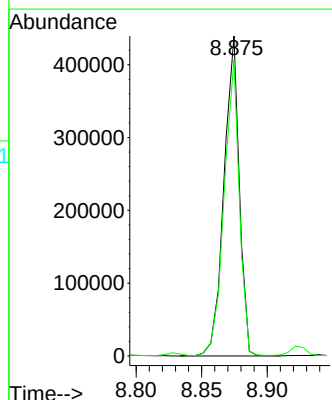
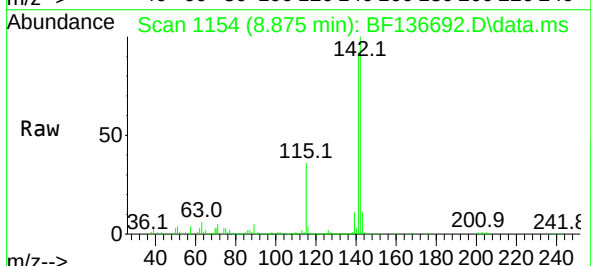
APPROVED

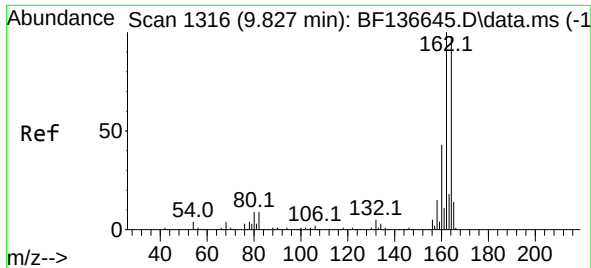
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#38
1-Methylnaphthalene
Concen: 38.089 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:142 Resp: 357324
Ion Ratio Lower Upper
142 100
141 92.4 73.6 110.4





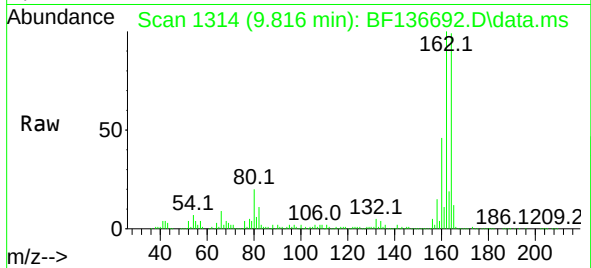
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

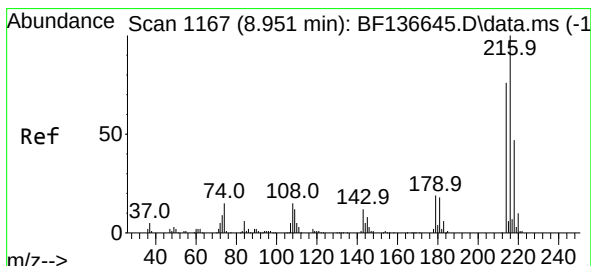
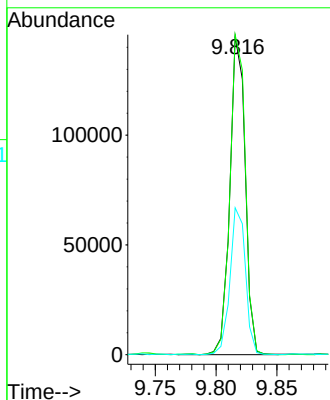
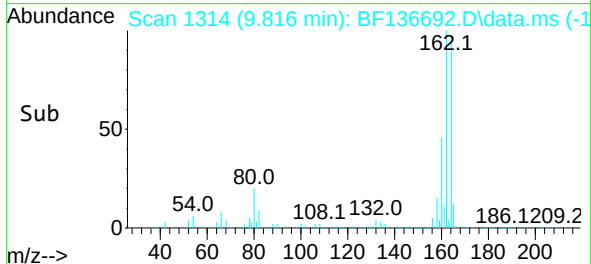


Tgt Ion:164 Resp: 12722
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 46.1 34.9 52.3

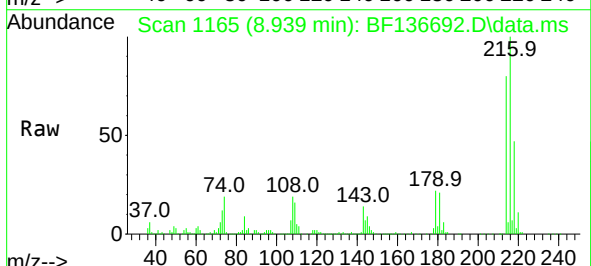
Manual Integrations

APPROVED

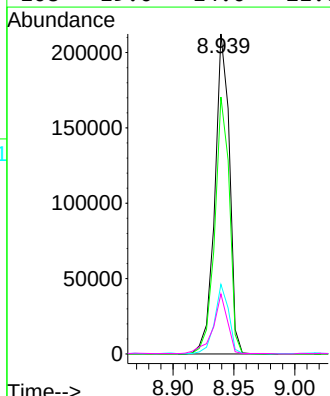
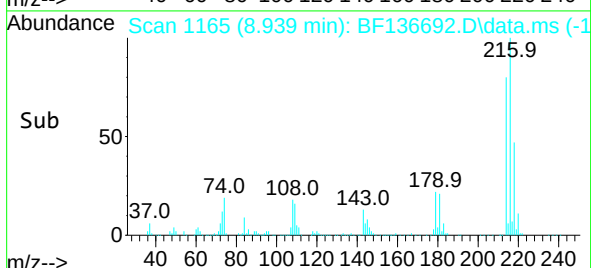
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

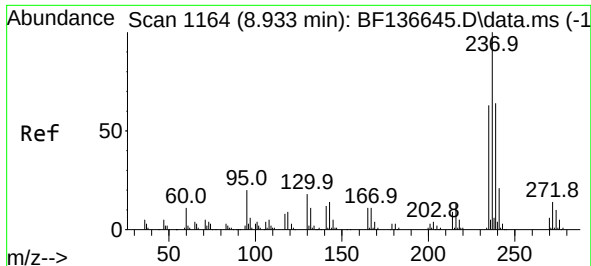


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.030 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



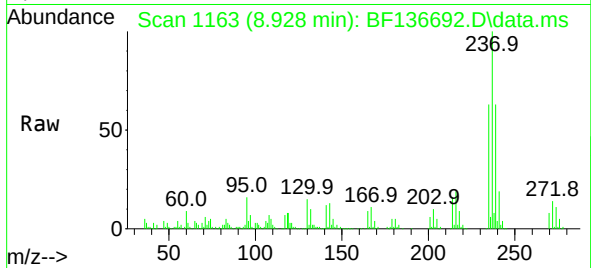
Tgt Ion:216 Resp: 177427
Ion Ratio Lower Upper
216 100
214 79.8 62.3 93.5
179 21.1 16.4 24.6
108 19.0 14.0 21.0





#41
Hexachlorocyclopentadiene
Concen: 71.578 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

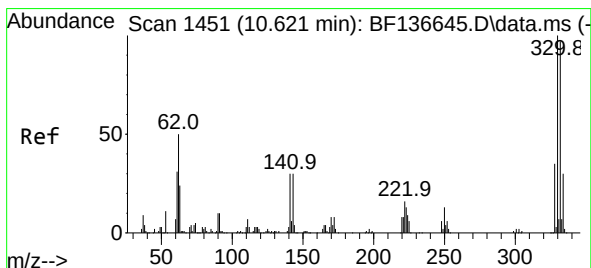
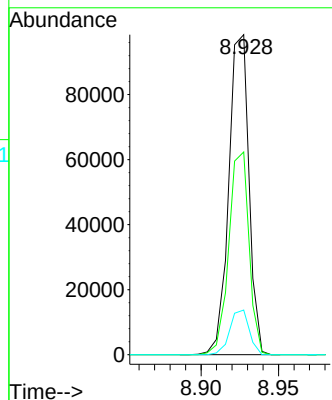
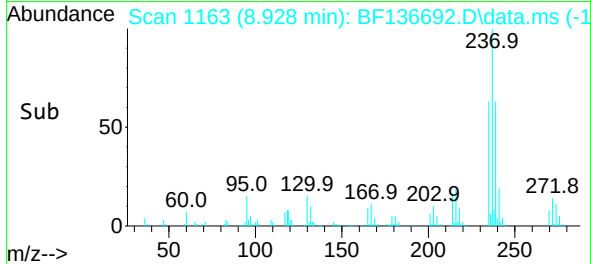
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



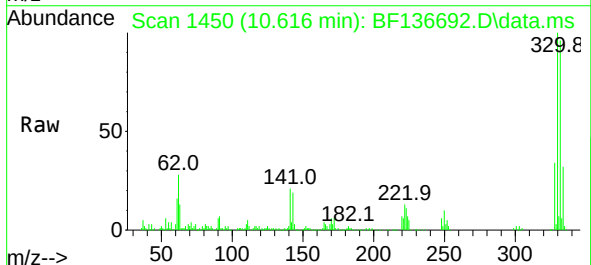
Tgt Ion:237 Resp: 8923
Ion Ratio Lower Upper
237 100
235 63.3 43.2 83.2
272 13.9 0.0 34.2

Manual Integrations
APPROVED

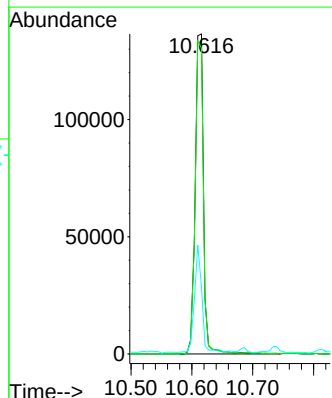
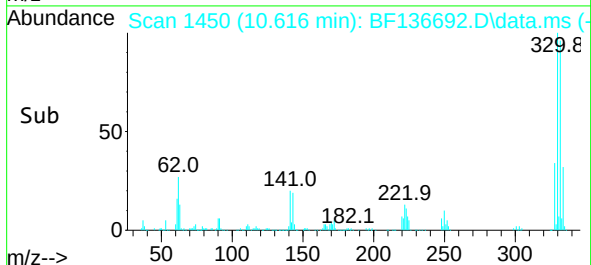
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

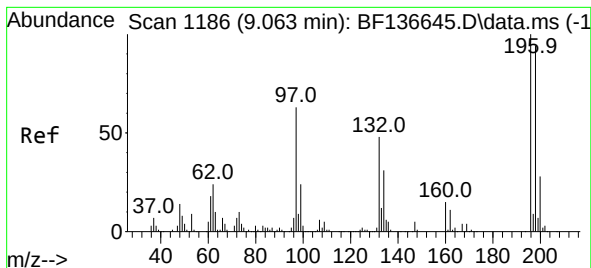


#42
2,4,6-Tribromophenol
Concen: 86.136 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



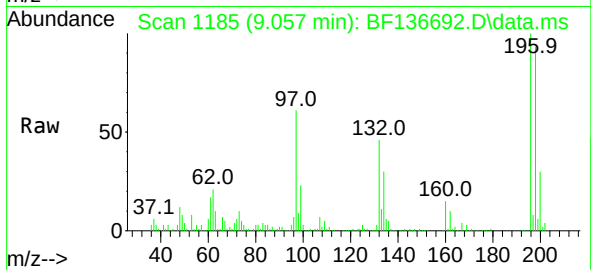
Tgt Ion:330 Resp: 129064
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 31.2 23.4 35.2





#43
2,4,6-Trichlorophenol
Concen: 43.852 ng
RT: 9.057 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

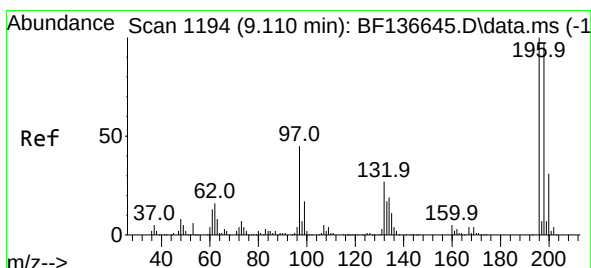
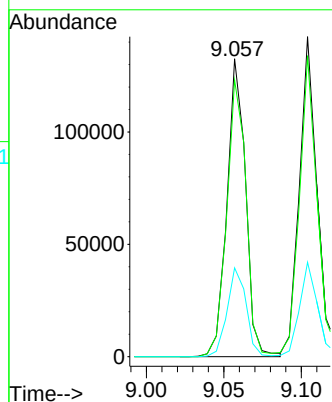
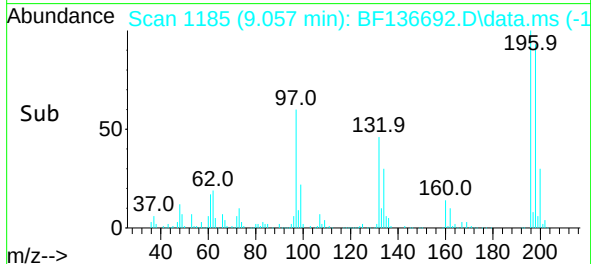
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



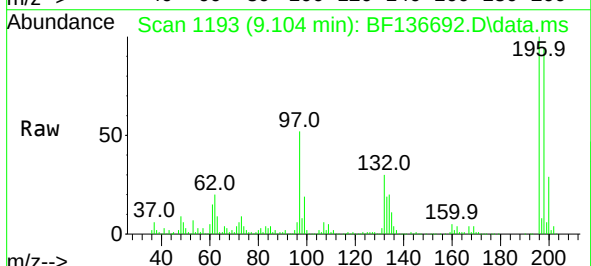
Tgt Ion:196 Resp: 110810
Ion Ratio Lower Upper
196 100
198 92.8 75.1 112.7
200 29.8 22.5 33.7

Manual Integrations
APPROVED

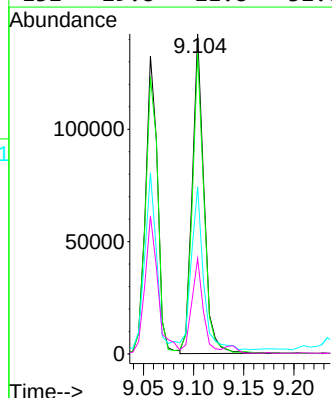
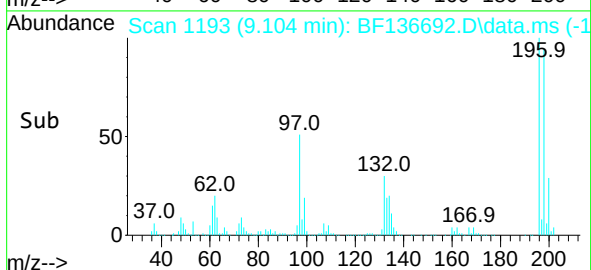
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

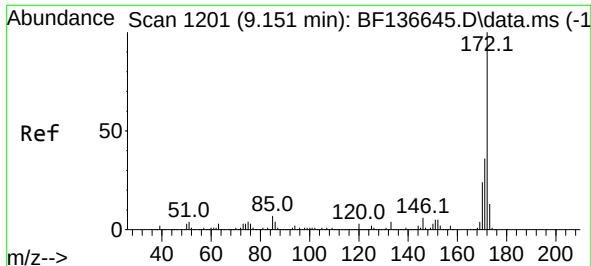


#44
2,4,5-Trichlorophenol
Concen: 41.018 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:196 Resp: 115500
Ion Ratio Lower Upper
196 100
198 94.1 77.0 115.6
97 52.3 36.1 54.1
132 29.8 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 67.455 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

Tgt Ion:172 Resp: 63808

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.6

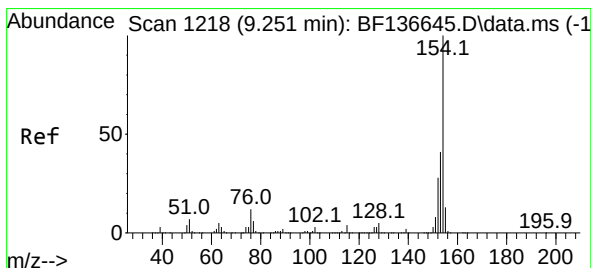
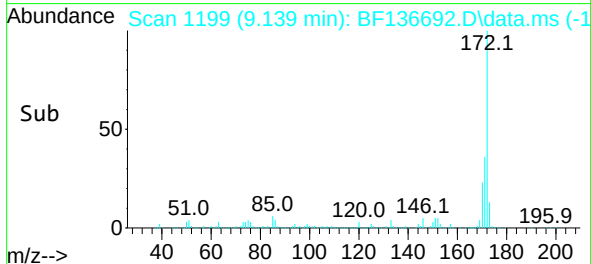
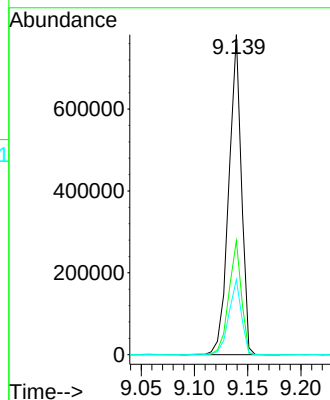
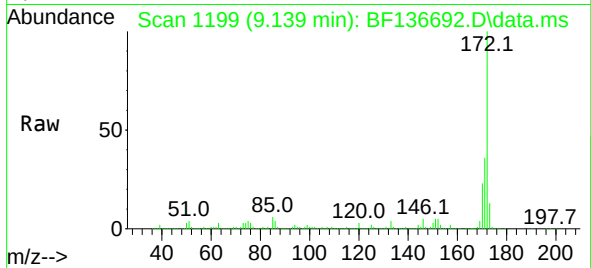
170 23.5 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#46

1,1'-Biphenyl

Concen: 43.893 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

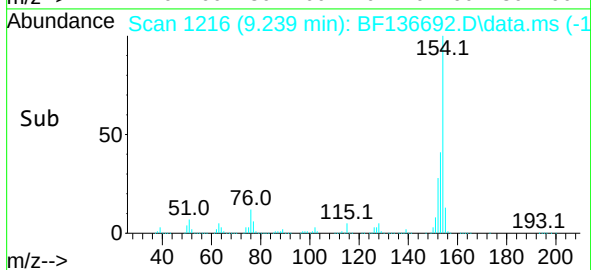
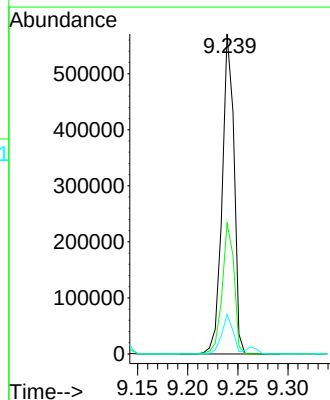
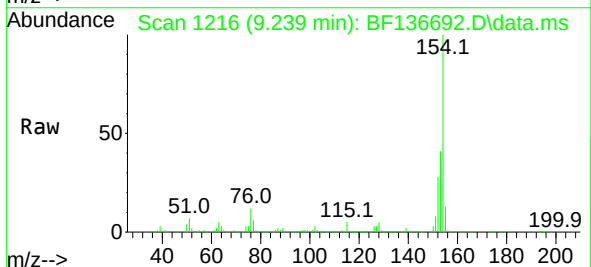
Tgt Ion:154 Resp: 468610

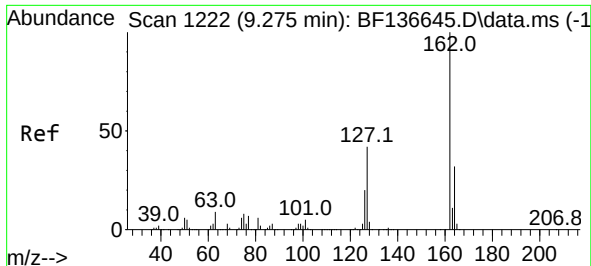
Ion Ratio Lower Upper

154 100

153 40.9 21.1 61.1

76 12.3 0.0 31.7





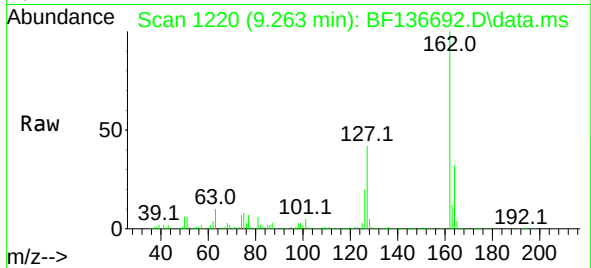
#47
2-Chloronaphthalene
Concen: 41.578 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

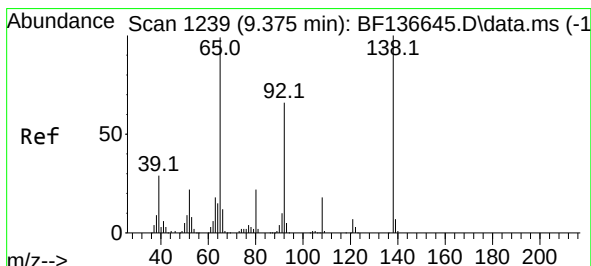
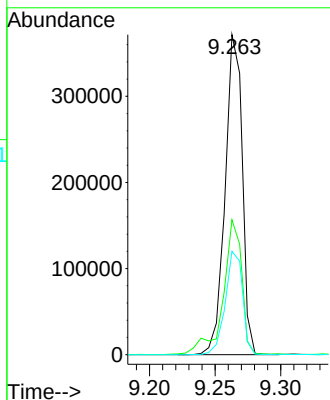
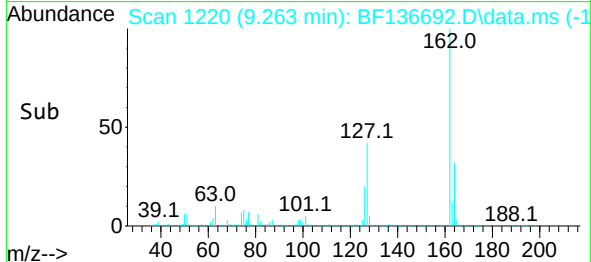


Tgt Ion:162 Resp: 337462
Ion Ratio Lower Upper
162 100
127 42.2 33.6 50.4
164 32.3 25.7 38.5

Manual Integrations

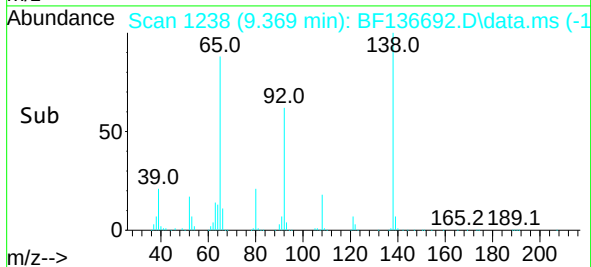
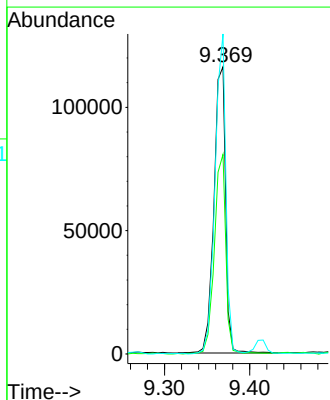
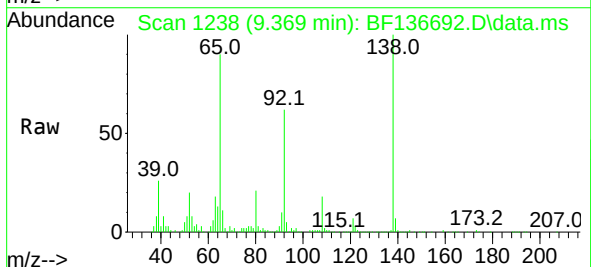
APPROVED

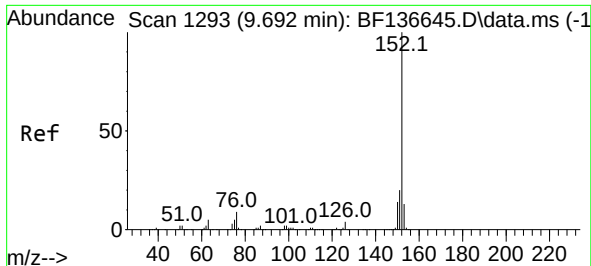
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#48
2-Nitroaniline
Concen: 43.546 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion: 65 Resp: 110676
Ion Ratio Lower Upper
65 100
92 69.5 53.2 79.8
138 111.4 81.1 121.7





#49
Acenaphthylene
Concen: 45.179 ng
RT: 9.680 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

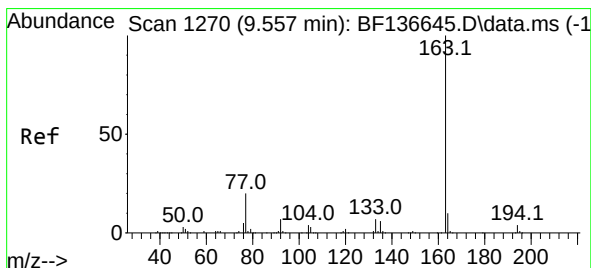
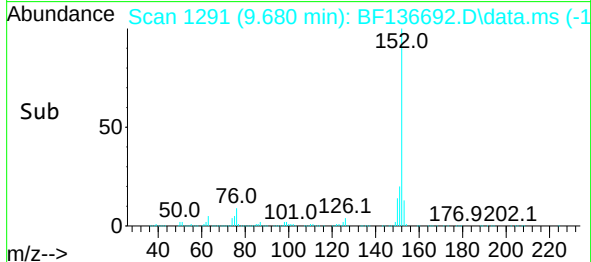
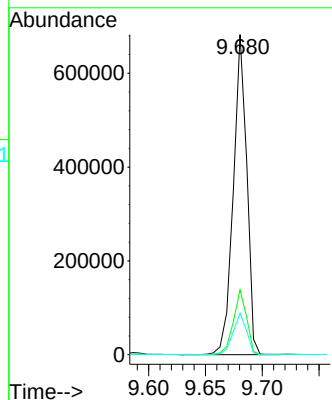
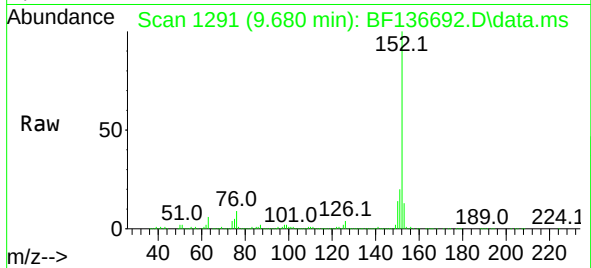
SOIL-COMP-2MSD

Tgt Ion:152 Resp: 560469
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 13.0 10.2 15.2

Manual Integrations

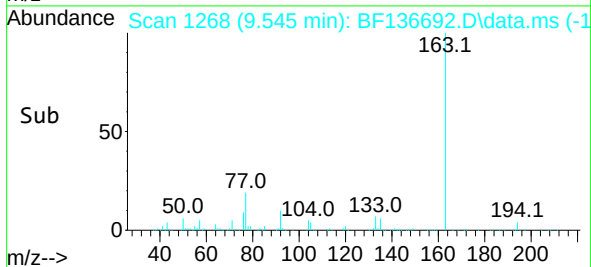
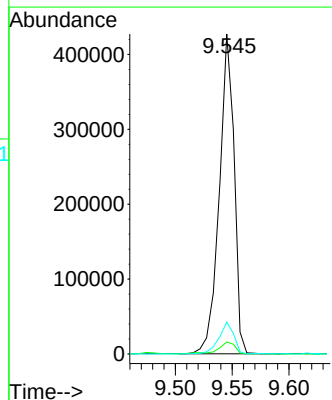
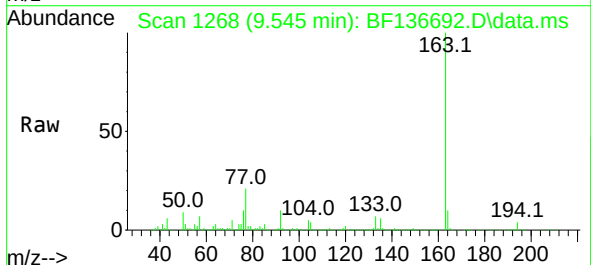
APPROVED

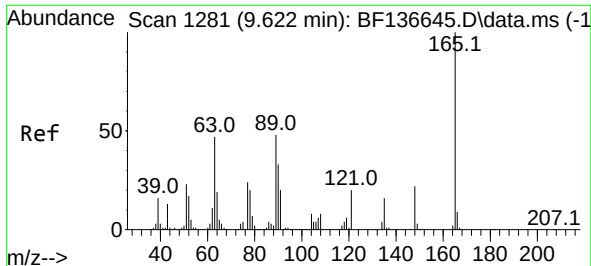
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#50
Dimethylphthalate
Concen: 41.785 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:163 Resp: 388305
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 40.777 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

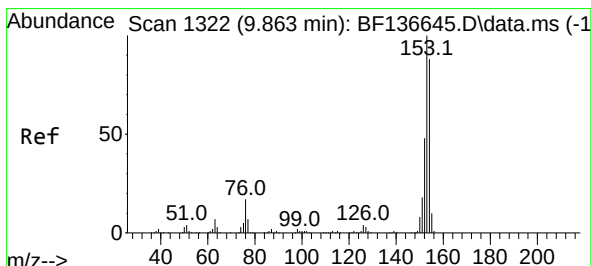
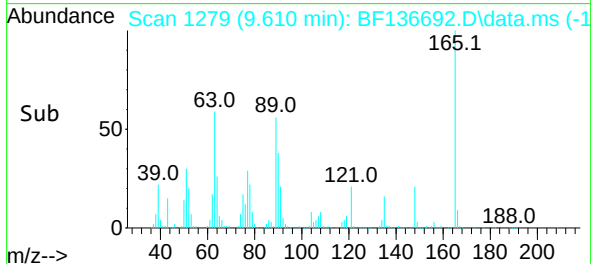
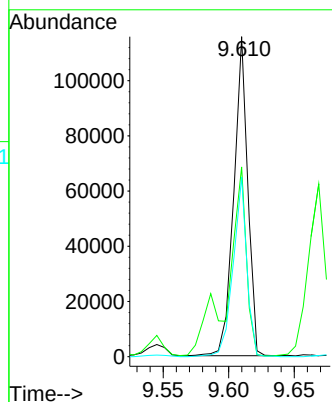
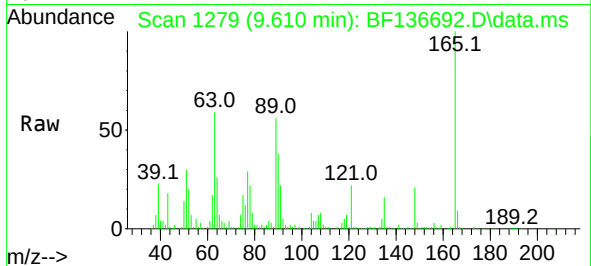
SOIL-COMP-2MSD

Tgt Ion:165 Resp: 8600
Ion Ratio Lower Upper
165 100
63 59.3 39.8 59.6
89 56.1 38.8 58.2

Manual Integrations

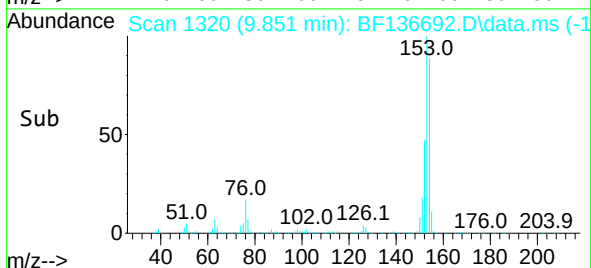
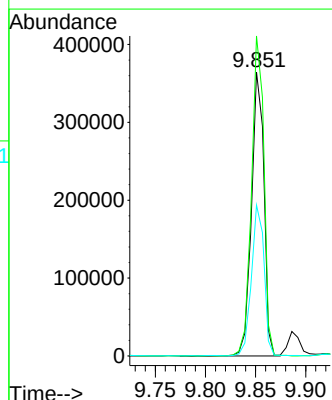
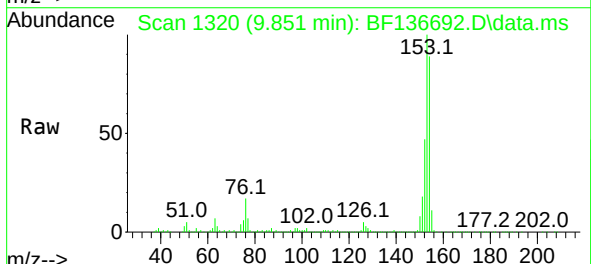
APPROVED

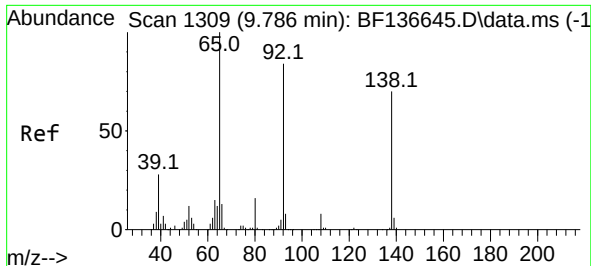
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#52
Acenaphthene
Concen: 40.756 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:154 Resp: 313417
Ion Ratio Lower Upper
154 100
153 112.7 90.7 136.1
152 53.2 43.7 65.5





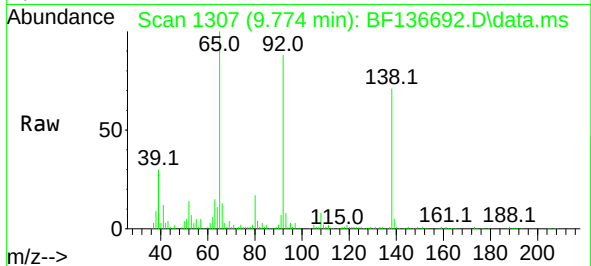
#53
3-Nitroaniline
Concen: 29.962 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD



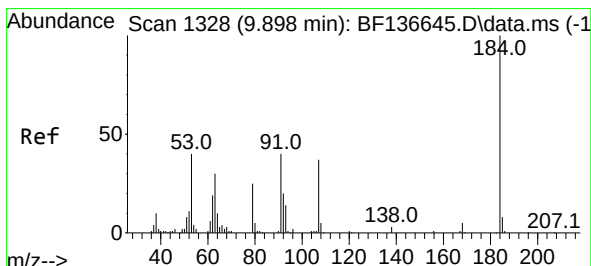
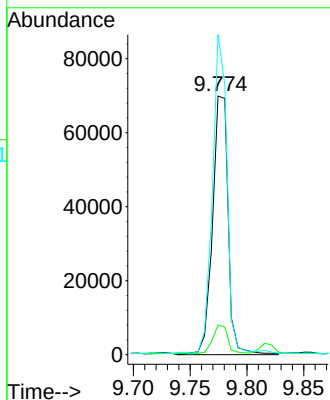
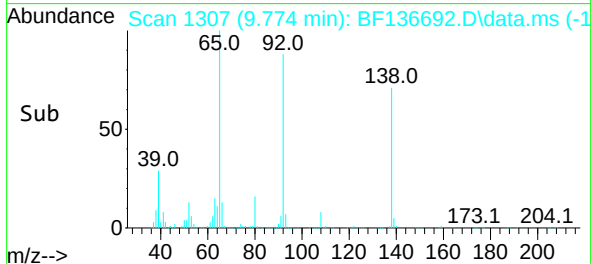
Tgt Ion:138 Resp: 66940
Ion Ratio Lower Upper
138 100
108 11.5 8.6 12.8
92 123.7 95.2 142.8

Manual Integrations

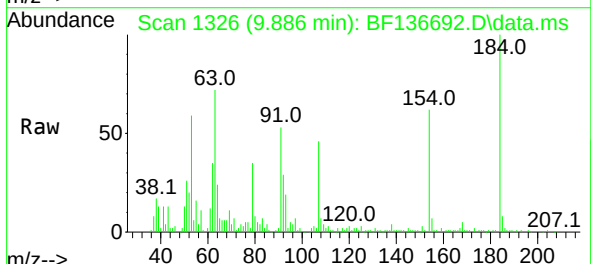
APPROVED

Reviewed By :Yogesh Patel 12/25/2023

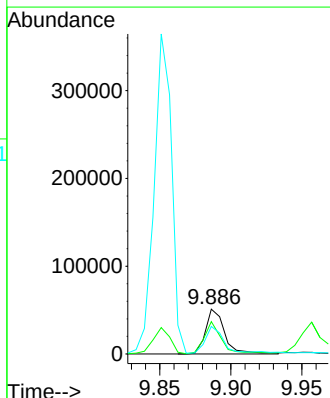
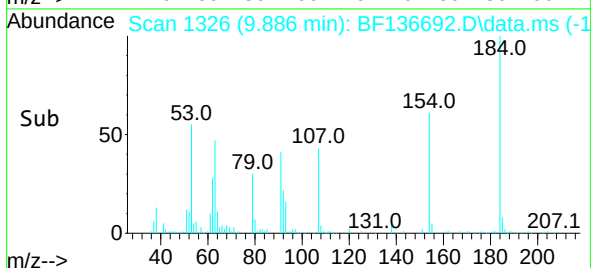
Supervised By :mohammad ahmed 12/25/2023

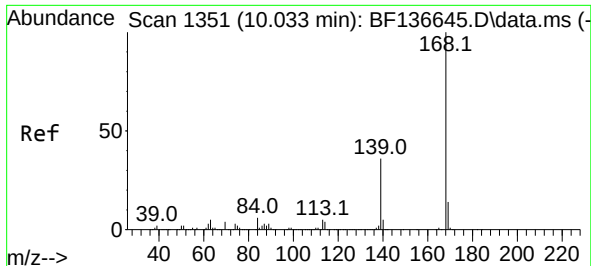


#54
2,4-Dinitrophenol
Concen: 42.695 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:184 Resp: 47770
Ion Ratio Lower Upper
184 100
63 72.4 40.9 61.3#
154 61.6 42.7 64.1





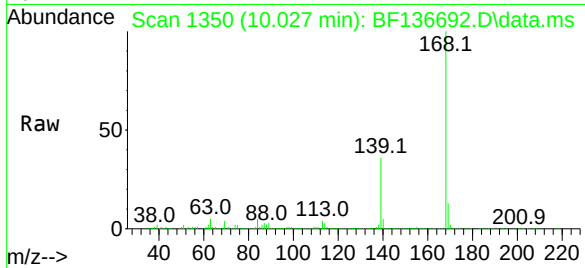
#55
Dibenzenofuran
Concen: 40.789 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

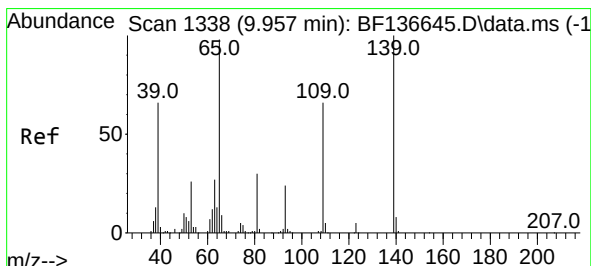
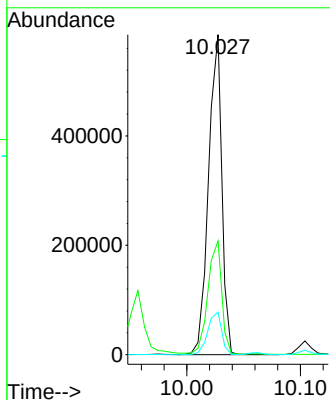
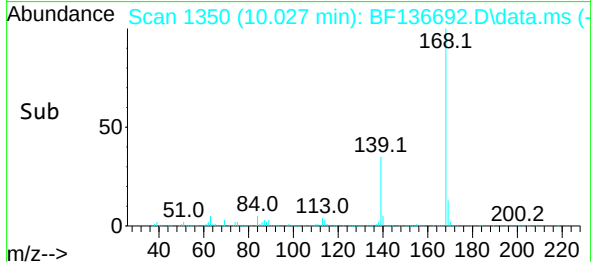


Tgt Ion:168 Resp: 475478
Ion Ratio Lower Upper
168 100
139 35.6 29.3 43.9
169 13.3 11.0 16.4

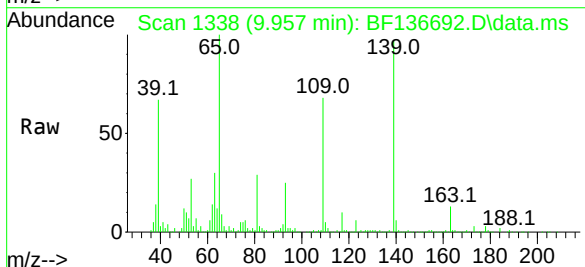
Manual Integrations

APPROVED

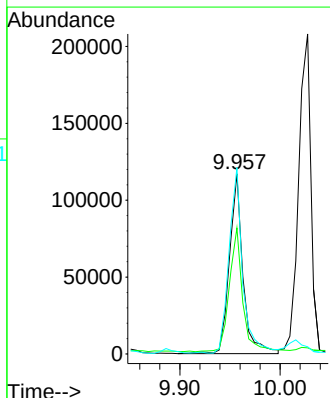
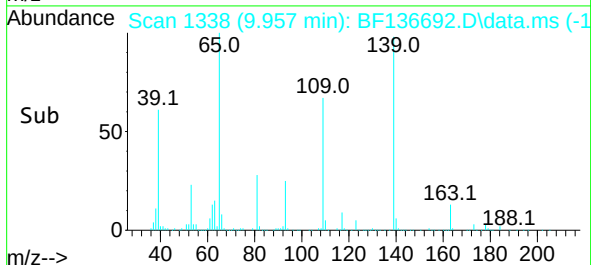
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

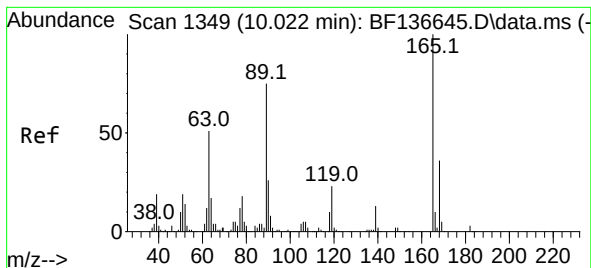


#56
4-Nitrophenol
Concen: 72.772 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



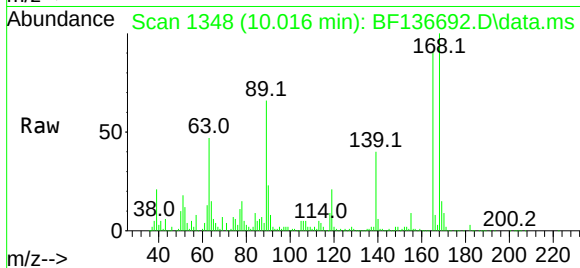
Tgt Ion:139 Resp: 109753
Ion Ratio Lower Upper
139 100
109 69.9 45.8 85.8
65 103.4 77.8 117.8





#57
2,4-Dinitrotoluene
Concen: 38.843 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

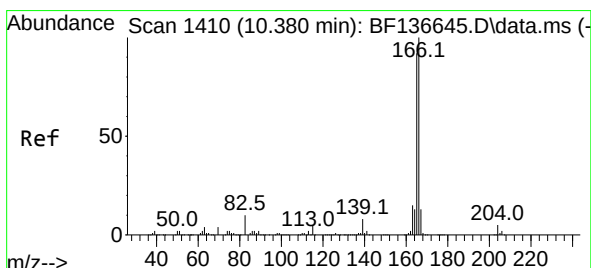
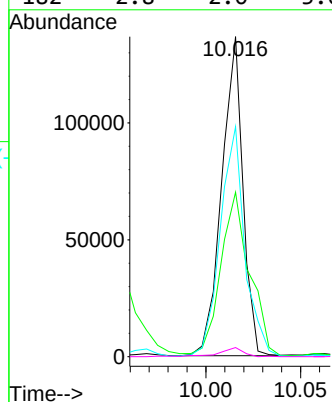
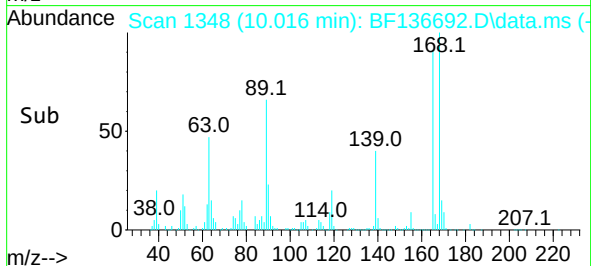
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



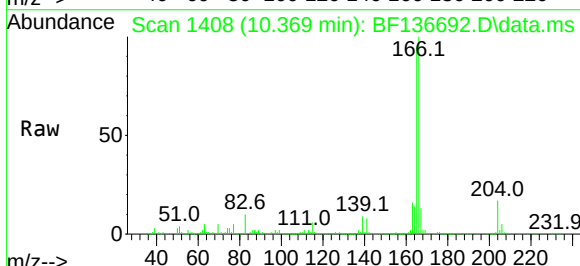
Tgt Ion:165 Resp: 106349
Ion Ratio Lower Upper
165 100
63 51.4 41.0 61.6
89 71.8 59.9 89.9
182 2.8 2.0 3.0

Manual Integrations
APPROVED

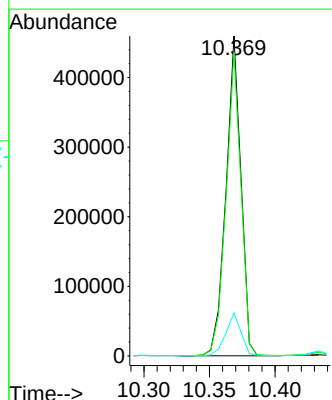
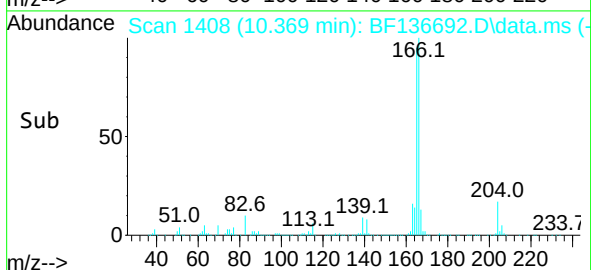
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

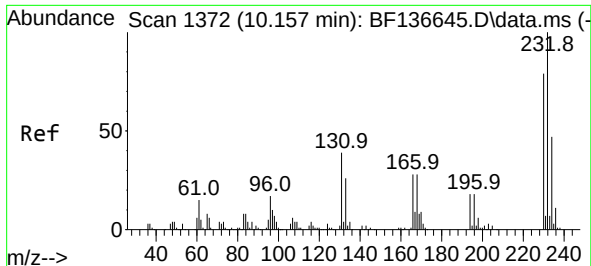


#58
Fluorene
Concen: 39.425 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:166 Resp: 364661
Ion Ratio Lower Upper
166 100
165 94.9 73.7 110.5
167 13.5 10.4 15.6





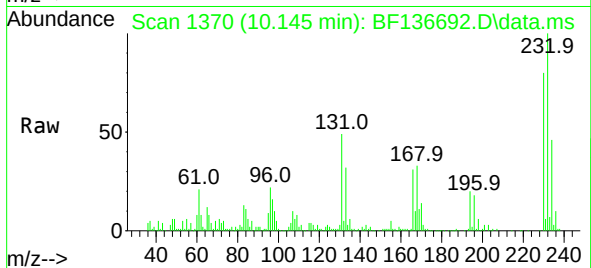
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.936 ng
RT: 10.145 min Scan# 1372
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

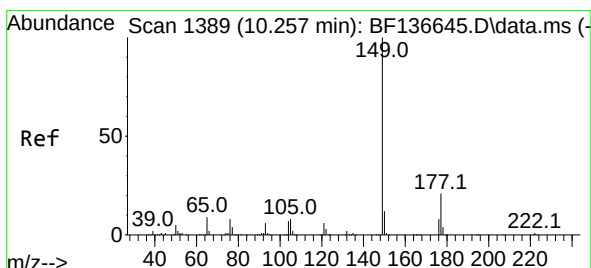
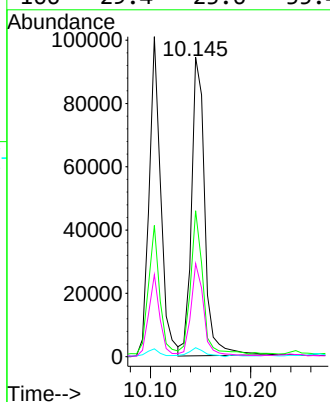
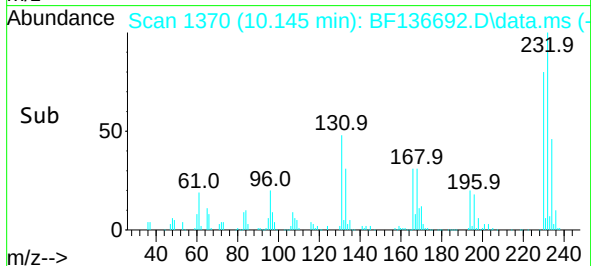


Tgt Ion:232 Resp: 8656
Ion Ratio Lower Upper
232 100
131 43.6 35.1 52.7
130 3.8 1.6 2.4
166 29.4 23.6 35.4

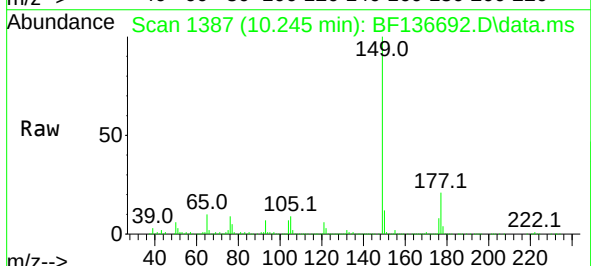
Manual Integrations

APPROVED

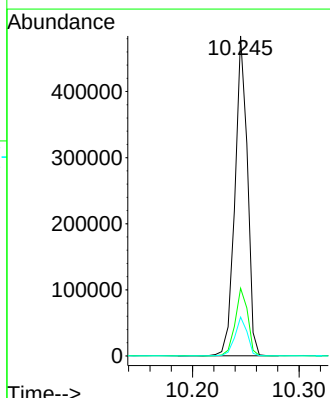
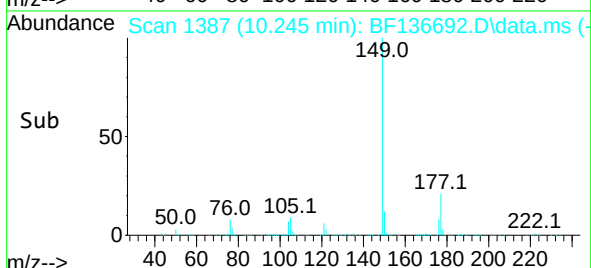
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

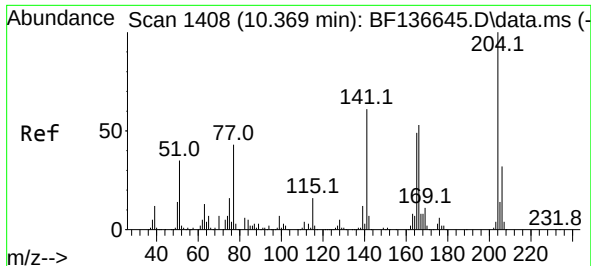


#60
Diethylphthalate
Concen: 40.789 ng
RT: 10.245 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



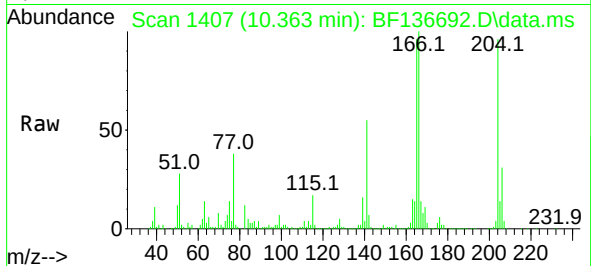
Tgt Ion:149 Resp: 393284
Ion Ratio Lower Upper
149 100
177 21.1 16.9 25.3
150 12.2 9.3 13.9





#61
4-Chlorophenyl-phenylether
Concen: 39.314 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

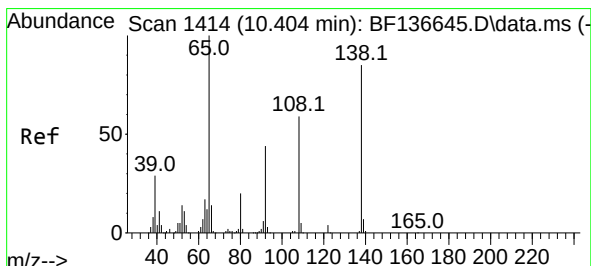
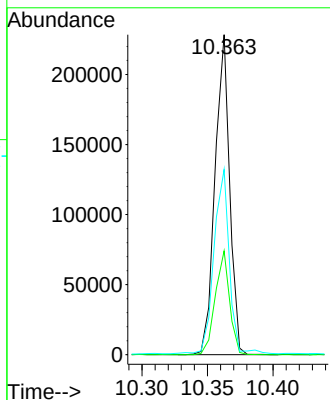
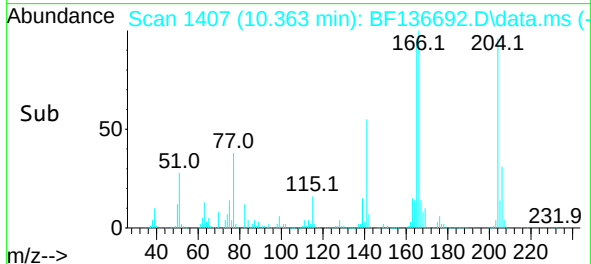
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



Tgt Ion:204 Resp: 176750
Ion Ratio Lower Upper
204 100
206 32.5 25.6 38.4
141 57.9 48.4 72.6

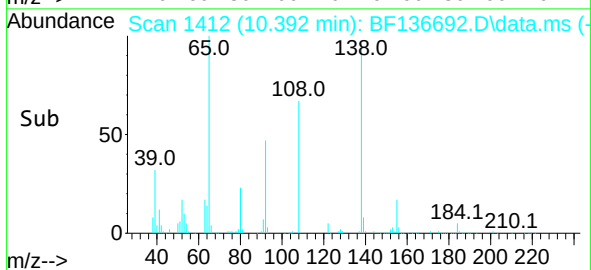
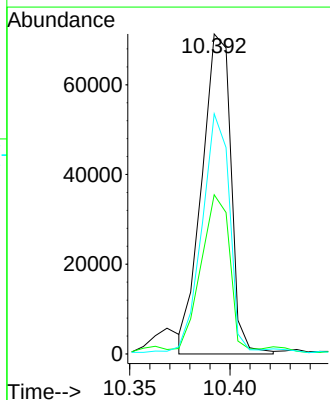
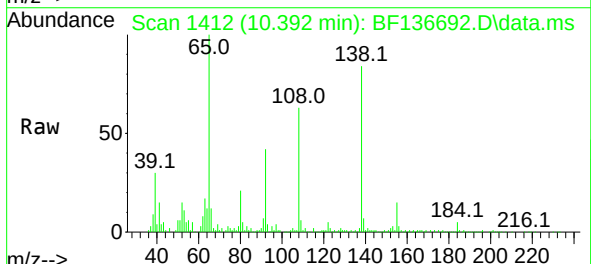
Manual Integrations
APPROVED

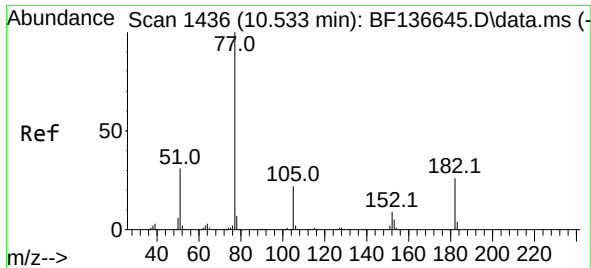
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#62
4-Nitroaniline
Concen: 33.396 ng m
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:138 Resp: 71927
Ion Ratio Lower Upper
138 100
92 49.7 32.1 72.1
108 75.1 50.1 90.1





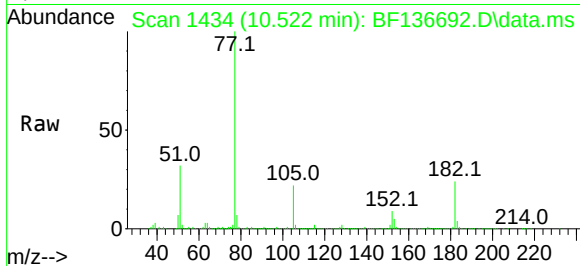
#63
Azobenzene
Concen: 39.081 ng
RT: 10.522 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

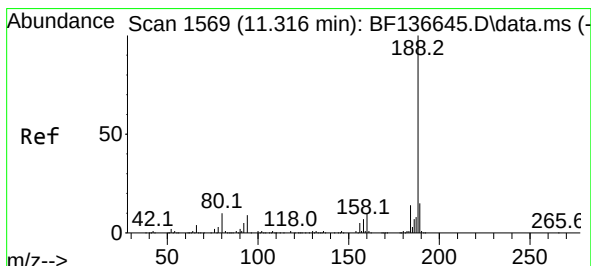
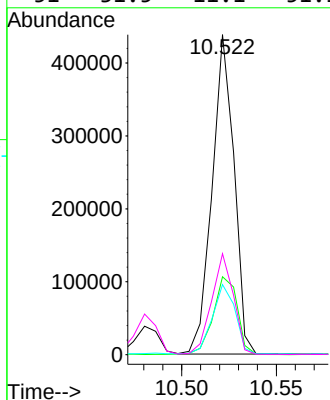
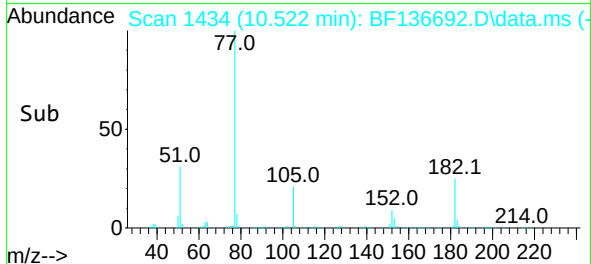


Tgt Ion: 77 Resp: 351950
Ion Ratio Lower Upper
77 100
182 24.4 6.0 46.0
105 21.9 2.3 42.3
51 31.5 11.1 51.1

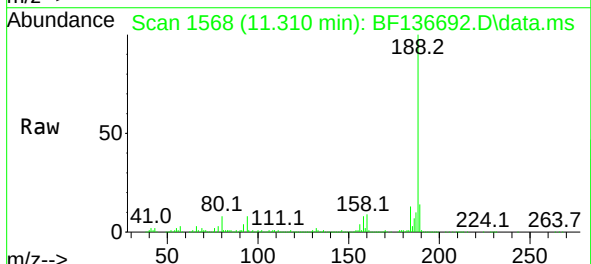
Manual Integrations

APPROVED

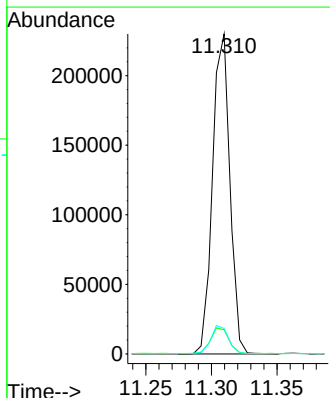
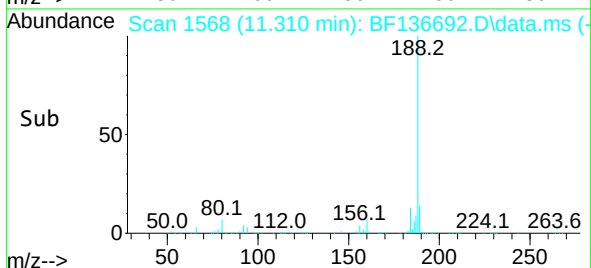
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

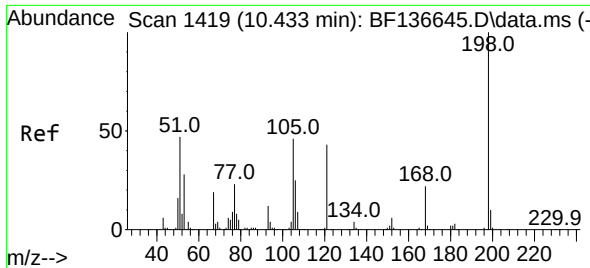


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:188 Resp: 211481
Ion Ratio Lower Upper
188 100
94 7.5 7.5 11.3
80 7.9 8.1 12.1#





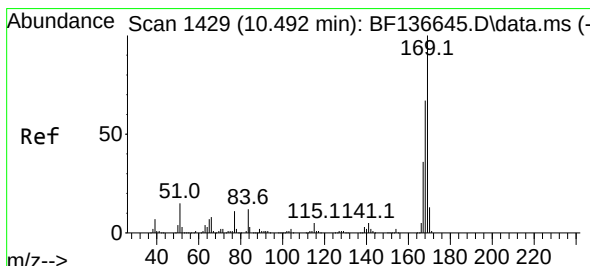
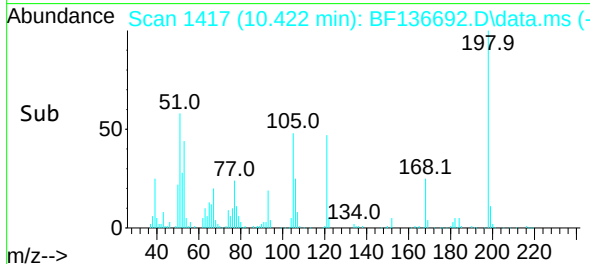
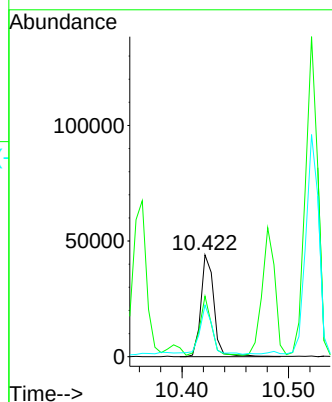
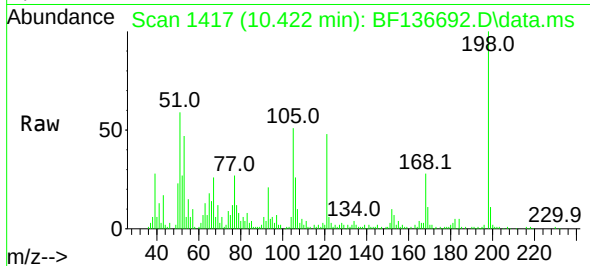
#65
4,6-Dinitro-2-methylphenol
Concen: 30.782 ng
RT: 10.422 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD

Tgt Ion:198 Resp: 37308
Ion Ratio Lower Upper
198 100
51 59.4 34.1 74.1
105 50.7 27.3 67.3

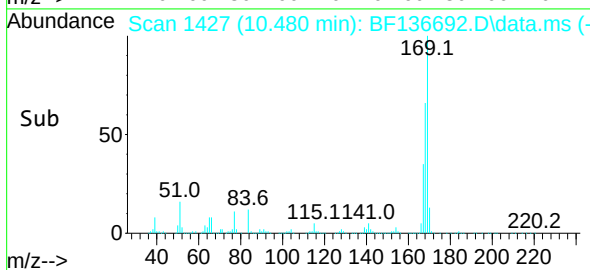
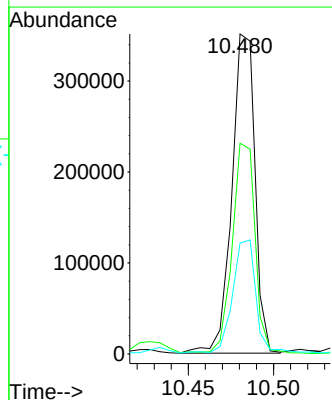
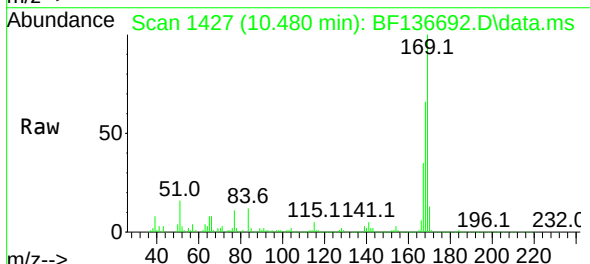
Manual Integrations
APPROVED

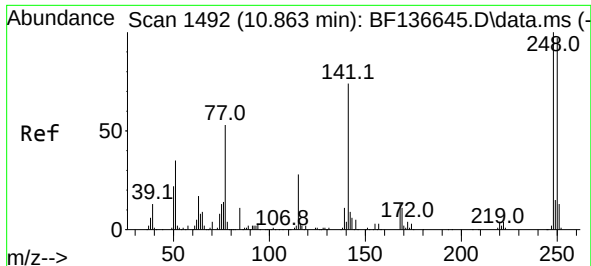
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#66
n-Nitrosodiphenylamine
Concen: 48.300 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

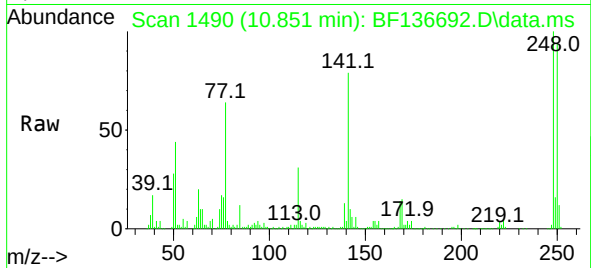
Tgt Ion:169 Resp: 331812
Ion Ratio Lower Upper
169 100
168 65.8 53.8 80.6
167 34.7 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 43.988 ng
RT: 10.851 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

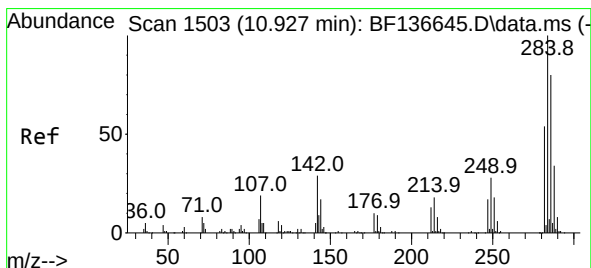
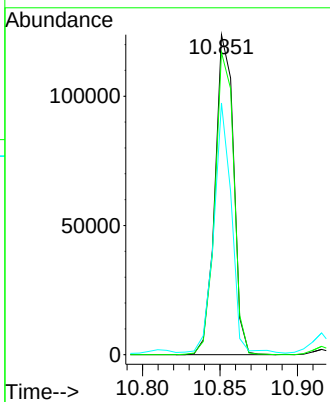
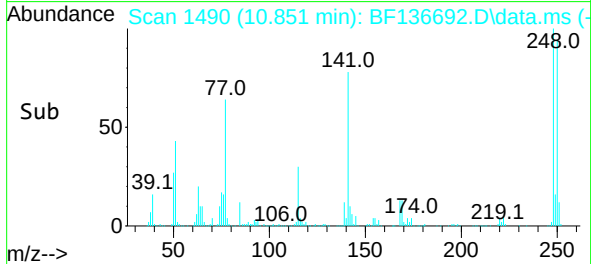
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



Tgt Ion:248 Resp: 103312
Ion Ratio Lower Upper
248 100
250 94.5 77.8 116.6
141 78.6 59.2 88.8

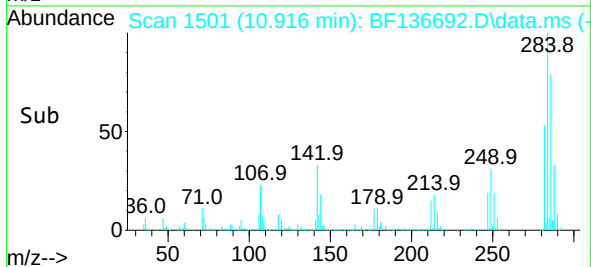
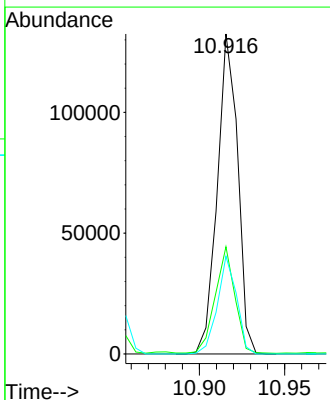
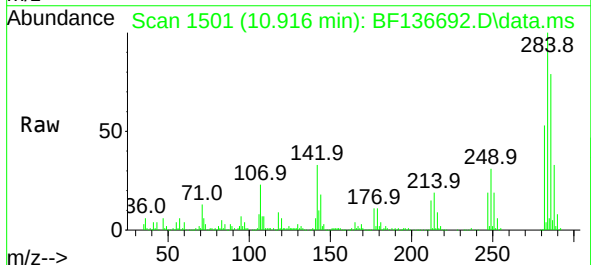
Manual Integrations
APPROVED

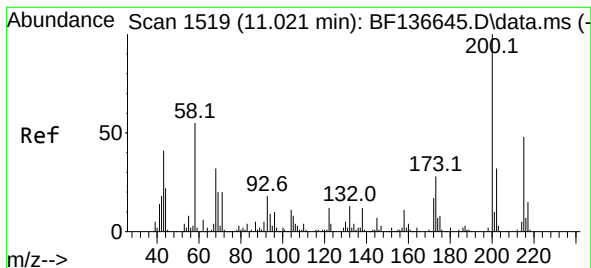
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#68
Hexachlorobenzene
Concen: 42.118 ng
RT: 10.916 min Scan# 1501
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:284 Resp: 110239
Ion Ratio Lower Upper
284 100
142 33.5 23.4 35.0
249 30.5 22.3 33.5





#69

Atrazine

Concen: 57.148 ng

RT: 11.016 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF136692.D

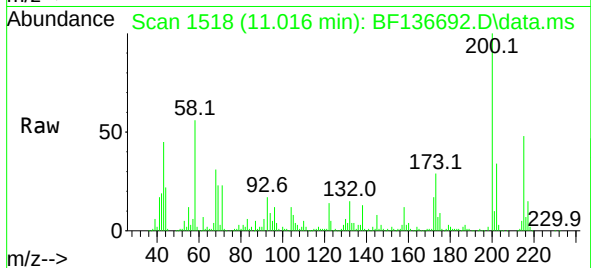
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD



Tgt Ion:200 Resp: 100415

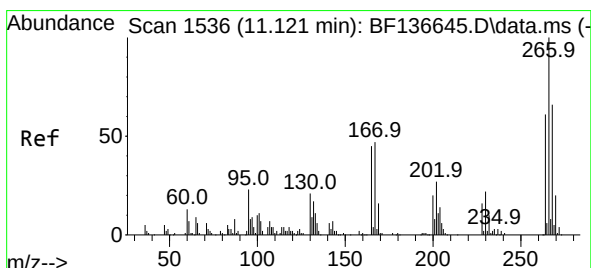
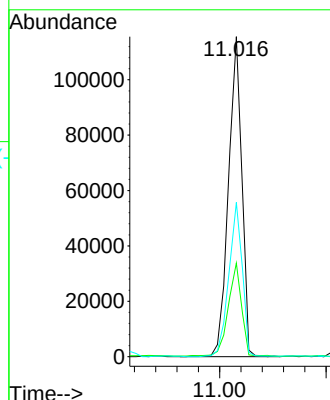
Ion	Ratio	Lower	Upper
200	100		
173	29.3	7.6	47.6
215	48.2	28.3	68.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#70

Pentachlorophenol

Concen: 73.998 ng

RT: 11.116 min Scan# 1535

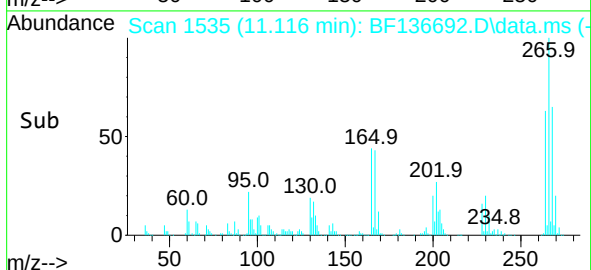
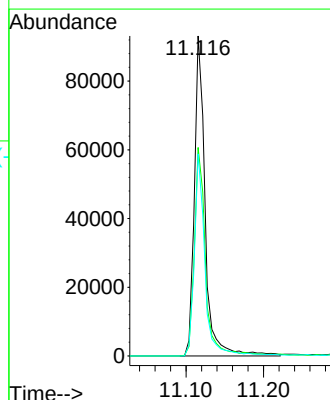
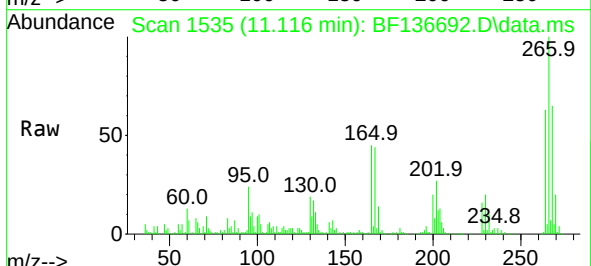
Delta R.T. -0.006 min

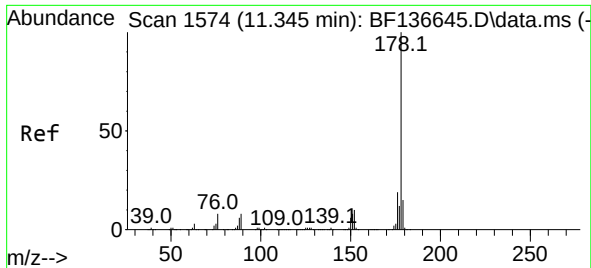
Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Tgt Ion:266 Resp: 90277

Ion	Ratio	Lower	Upper
266	100		
268	65.2	52.6	78.8
264	63.2	49.0	73.4





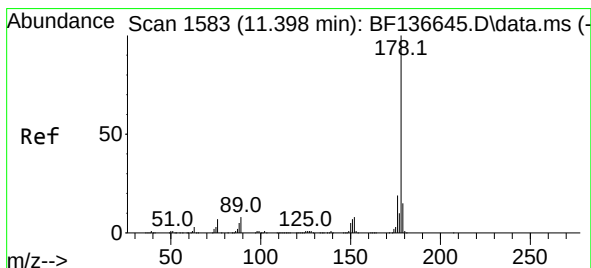
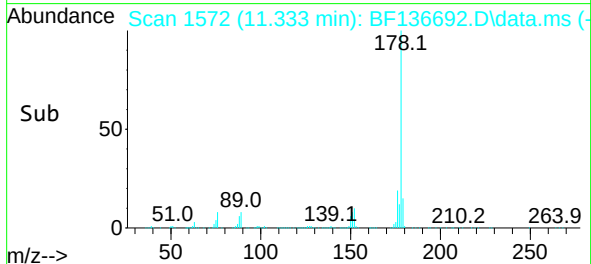
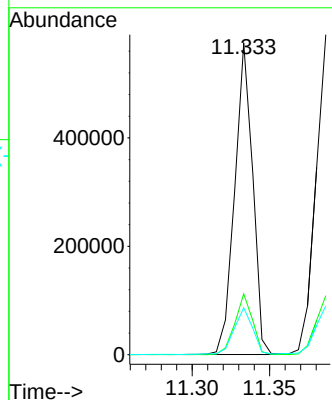
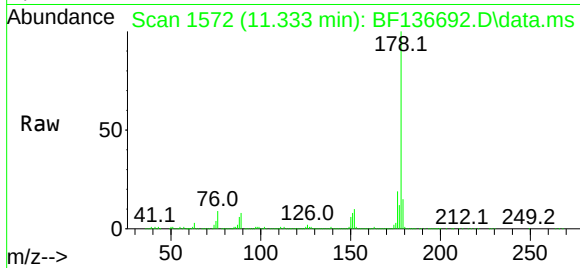
#71
Phenanthrene
Concen: 42.631 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD

Tgt Ion:178 Resp: 462600
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.0 11.9 17.9

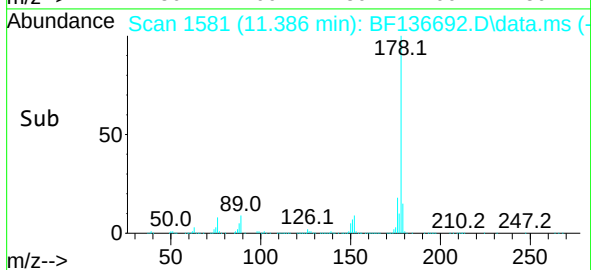
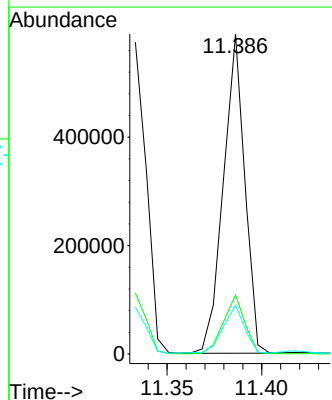
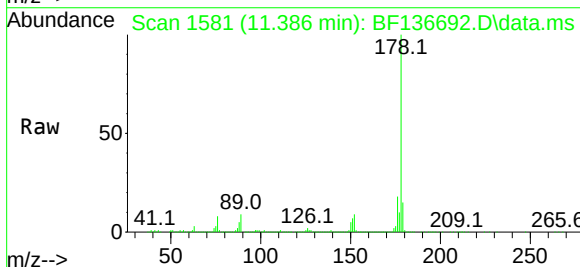
Manual Integrations
APPROVED

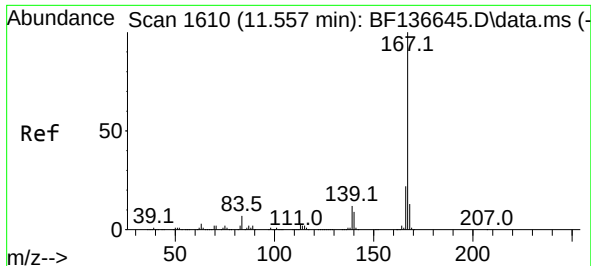
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#72
Anthracene
Concen: 42.213 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

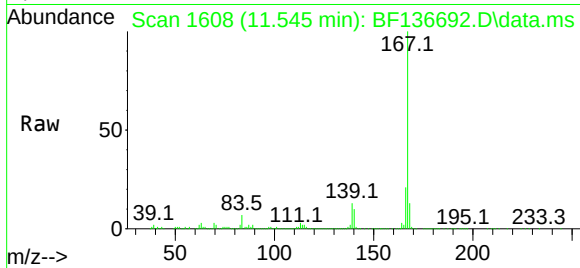
Tgt Ion:178 Resp: 463900
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.2 11.8 17.6





#73
Carbazole
Concen: 38.633 ng
RT: 11.545 min Scan# 1608
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

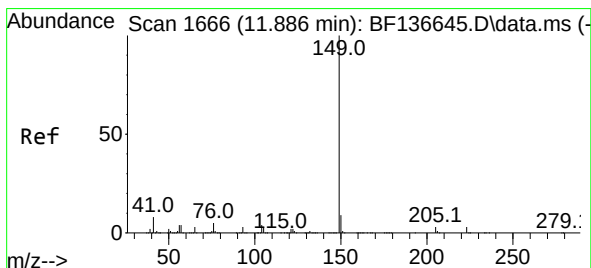
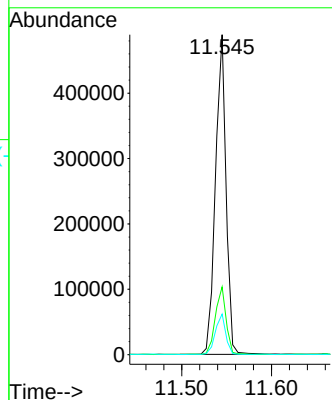
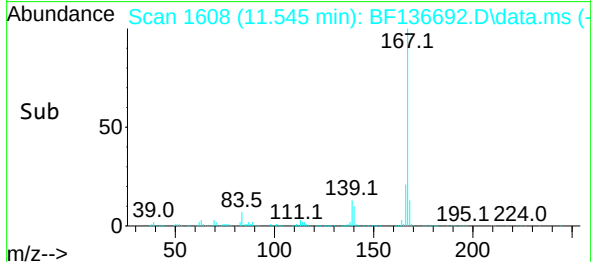
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



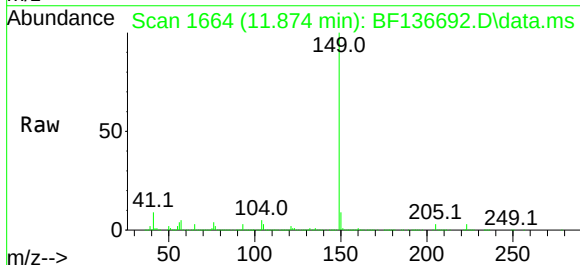
Tgt Ion:167 Resp: 40028
Ion Ratio Lower Upper
167 100
166 21.2 17.3 25.9
139 12.7 9.8 14.6

Manual Integrations
APPROVED

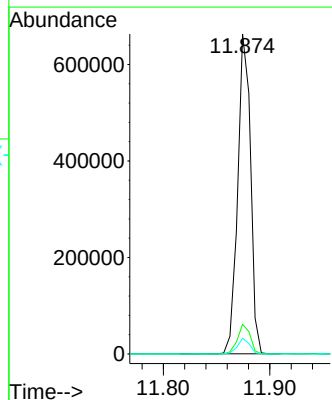
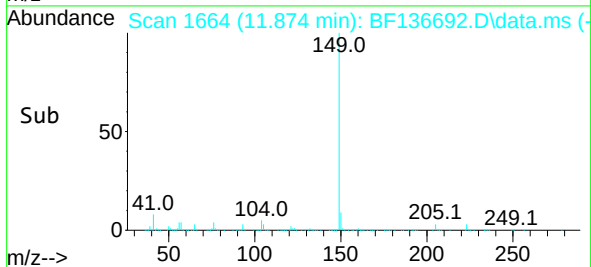
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

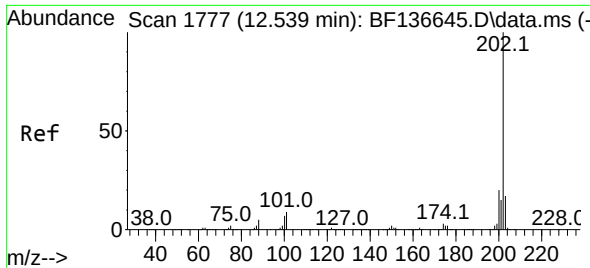


#74
Di-n-butylphthalate
Concen: 43.914 ng
RT: 11.874 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



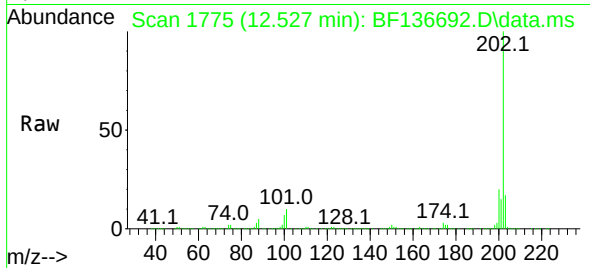
Tgt Ion:149 Resp: 555207
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.9 3.6 5.4





#75
Fluoranthene
Concen: 35.976 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

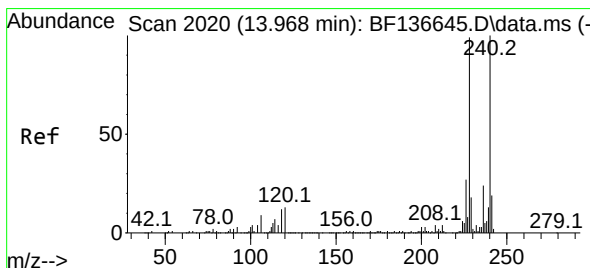
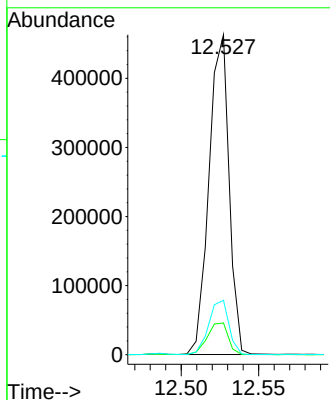
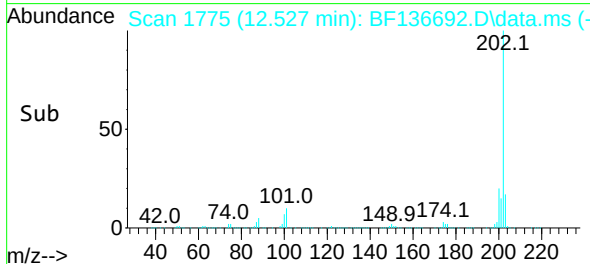
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-2MSD



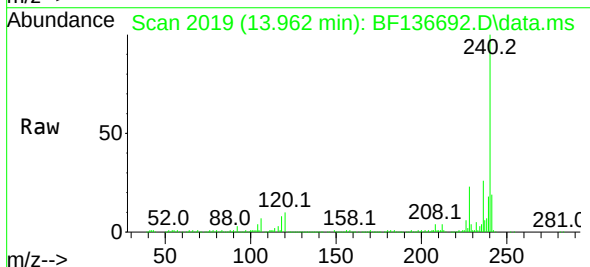
Tgt Ion:202 Resp: 41757
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.3
203 17.0 0.0 37.1

Manual Integrations
APPROVED

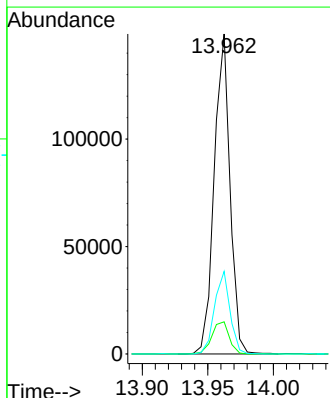
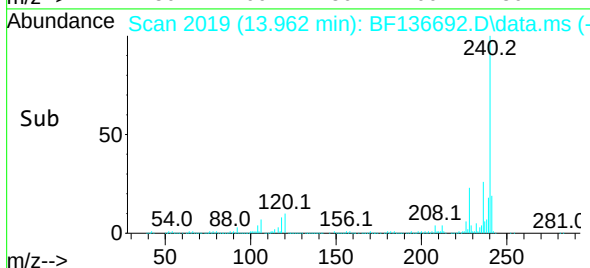
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

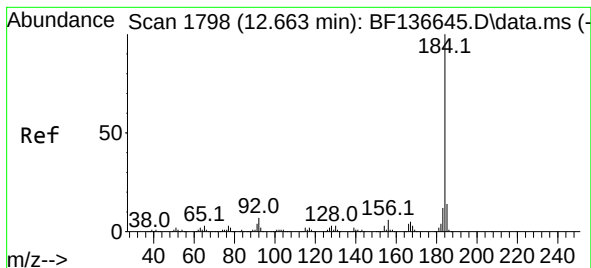


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:240 Resp: 124515
Ion Ratio Lower Upper
240 100
120 10.0 10.3 15.5#
236 25.8 19.4 29.2





#77

Benzidine

Concen: 30.255 ng

RT: 12.651 min Scan# 111080

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

Tgt Ion:184 Resp: 111080

Ion Ratio Lower Upper

184 100

185 15.1 11.2 16.8

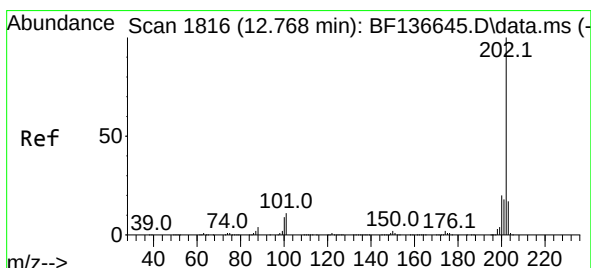
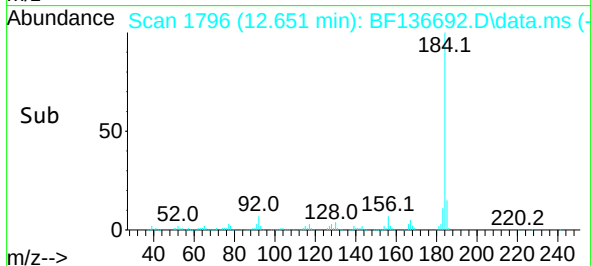
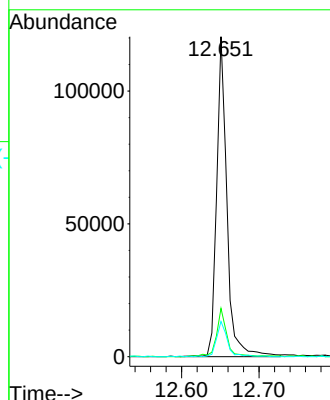
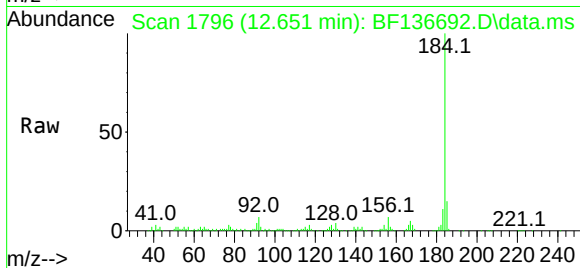
183 11.0 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#78

Pyrene

Concen: 33.662 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

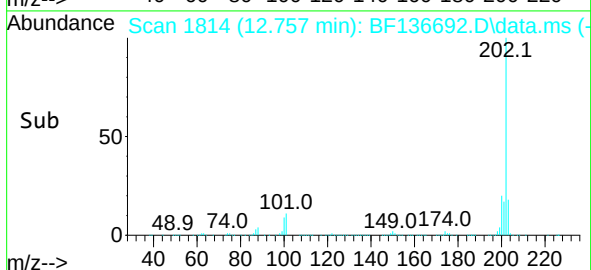
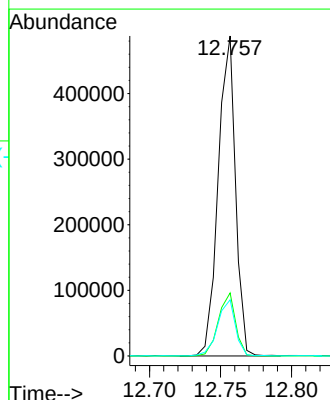
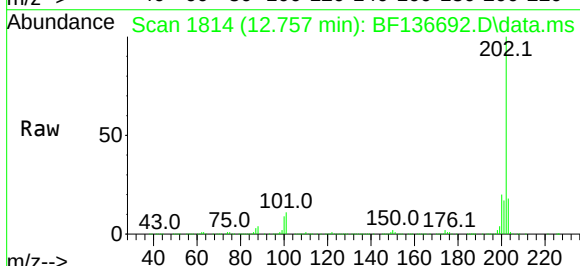
Tgt Ion:202 Resp: 411458

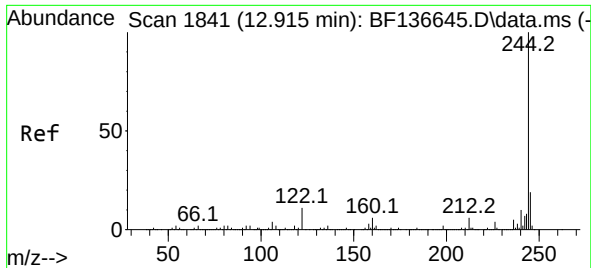
Ion Ratio Lower Upper

202 100

200 19.7 15.9 23.9

203 17.5 13.8 20.6





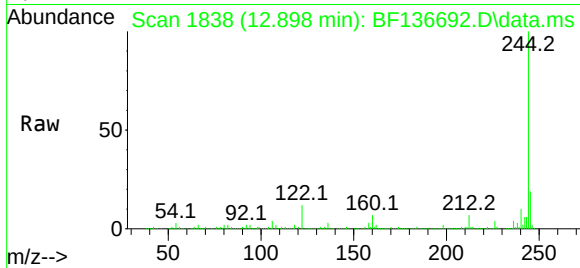
#79
 Terphenyl-d14
 Concen: 55.892 ng
 RT: 12.898 min Scan# 1841
 Delta R.T. -0.018 min
 Lab File: BF136692.D
 Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

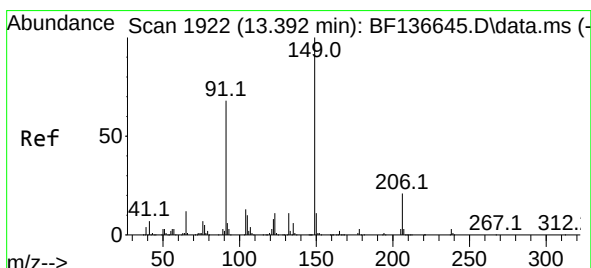
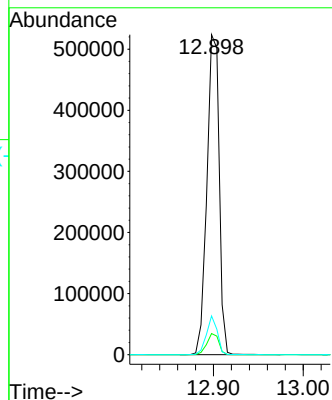
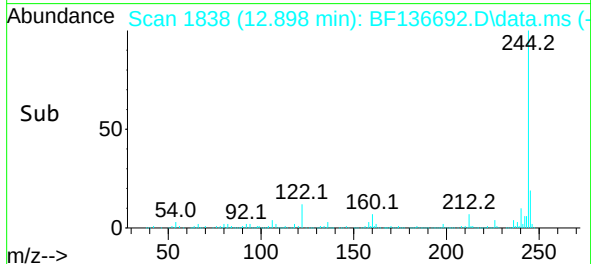


Tgt Ion:244 Resp: 497999
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 12.1 9.0 13.4

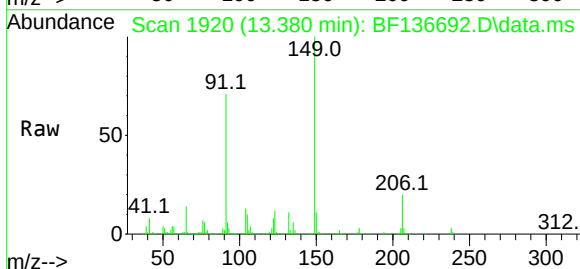
Manual Integrations

APPROVED

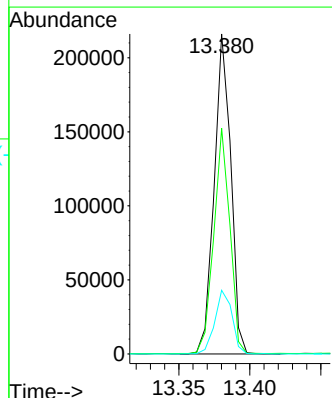
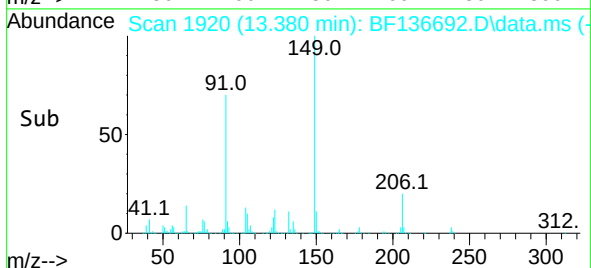
Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

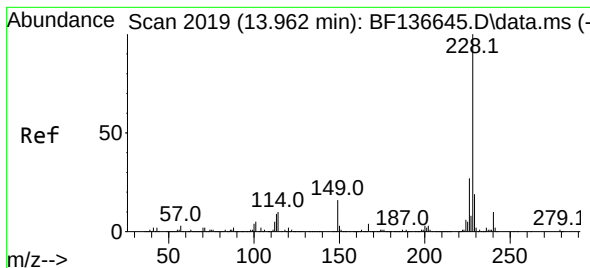


#80
 Butylbenzylphthalate
 Concen: 39.620 ng
 RT: 13.380 min Scan# 1920
 Delta R.T. -0.012 min
 Lab File: BF136692.D
 Acq: 22 Dec 2023 18:40



Tgt Ion:149 Resp: 176219
 Ion Ratio Lower Upper
 149 100
 91 70.6 54.1 81.1
 206 19.9 17.1 25.7





#81

Benzo(a)anthracene

Concen: 41.210 ng

RT: 13.951 min Scan# 2011

Delta R.T. -0.012 min

Lab File: BF136692.D

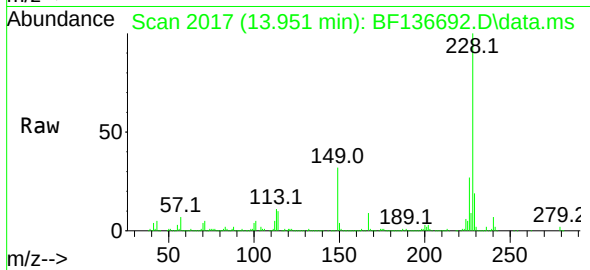
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD



Tgt Ion:228 Resp: 35631

Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.0

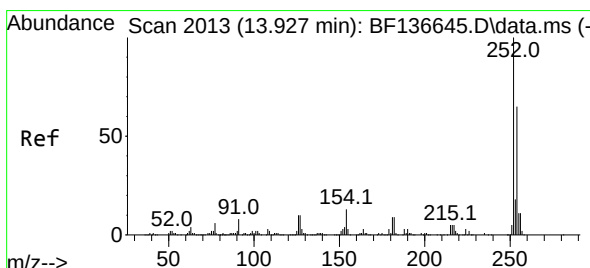
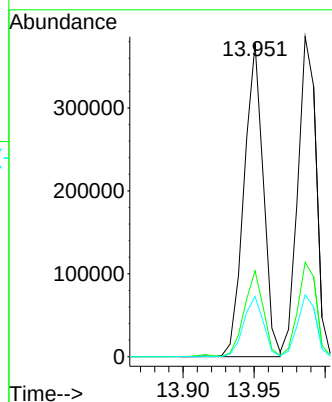
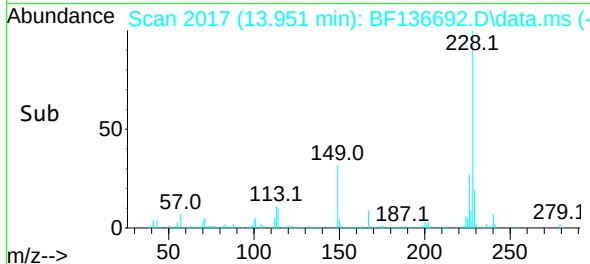
229 19.2 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#82

3,3'-Dichlorobenzidine

Concen: 43.450 ng

RT: 13.915 min Scan# 2011

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

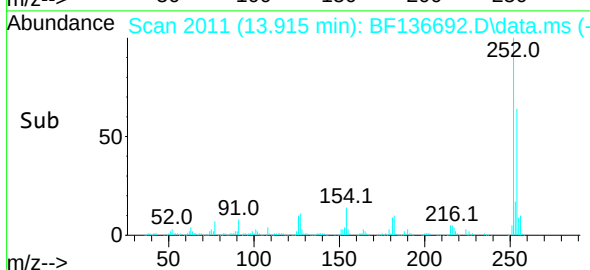
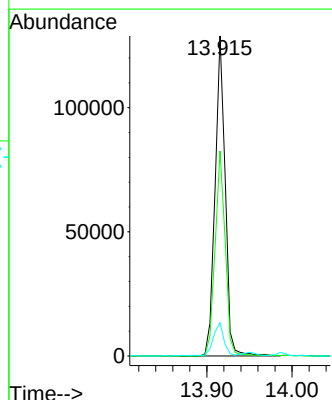
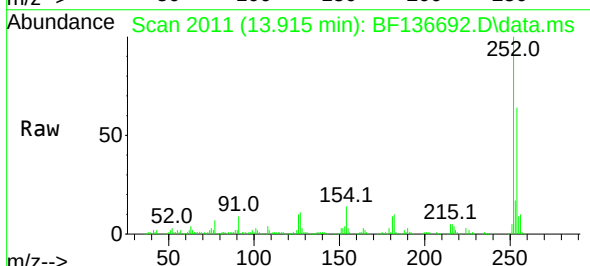
Tgt Ion:252 Resp: 106690

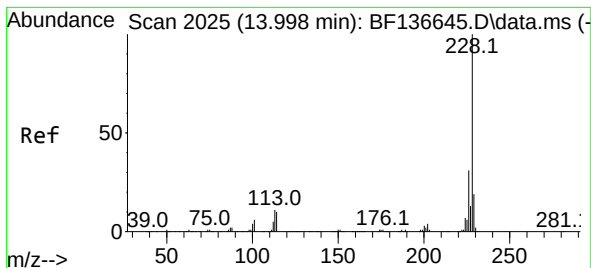
Ion Ratio Lower Upper

252 100

254 64.1 52.2 78.4

126 10.3 8.0 12.0





#83

Chrysene

Concen: 41.123 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

Tgt Ion:228 Resp: 34770

Ion Ratio Lower Upper

228 100

226 29.5 24.7 37.1

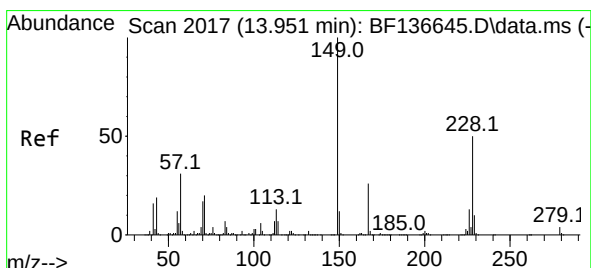
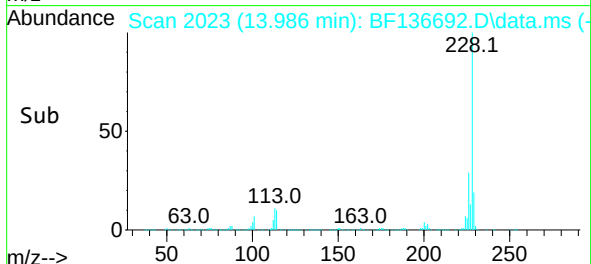
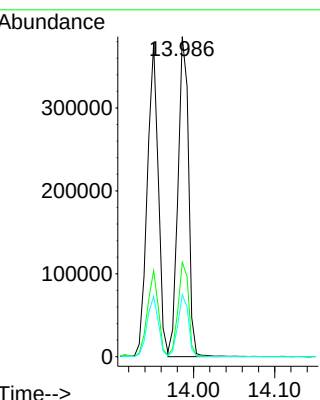
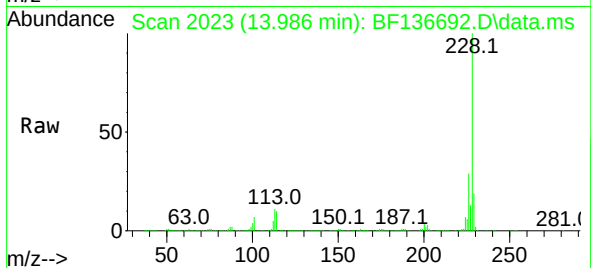
229 19.3 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.699 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136692.D

Acq: 22 Dec 2023 18:40

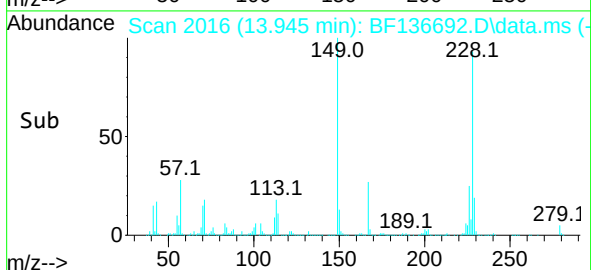
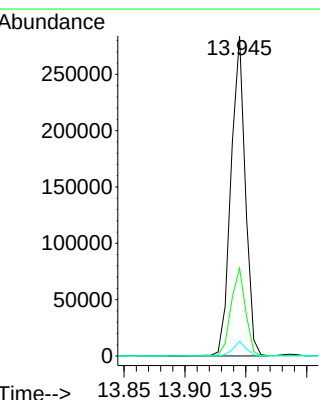
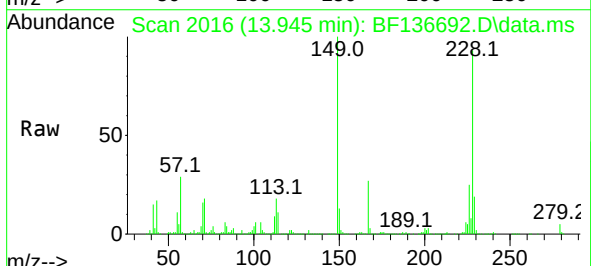
Tgt Ion:149 Resp: 233347

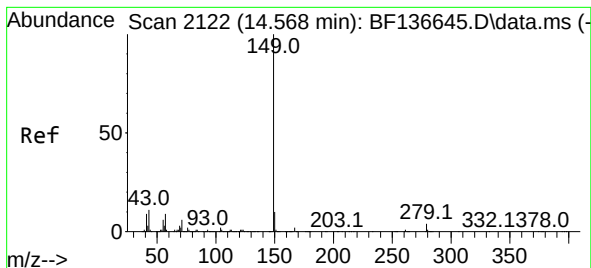
Ion Ratio Lower Upper

149 100

167 27.5 20.9 31.3

279 4.6 2.9 4.3#





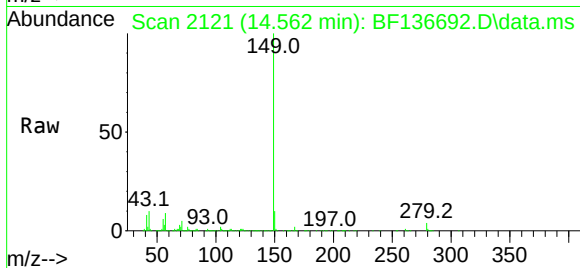
#85
Di-n-octyl phthalate
Concen: 48.252 ng
RT: 14.562 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-2MSD

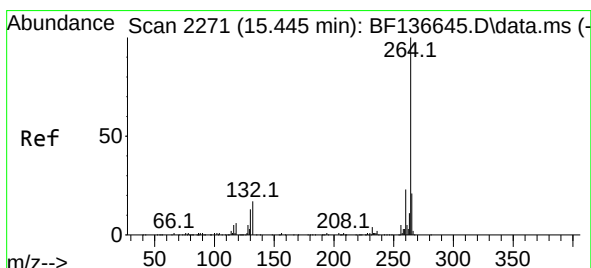
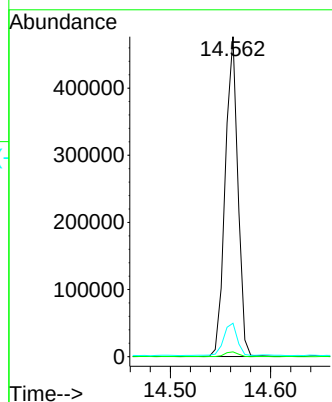
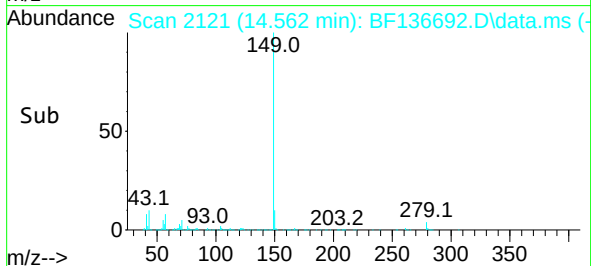


Tgt Ion:149 Resp: 417680
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 11.0 8.9 13.3

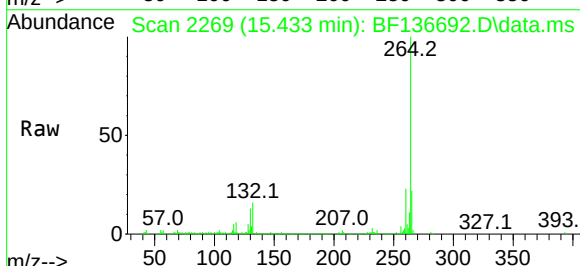
Manual Integrations

APPROVED

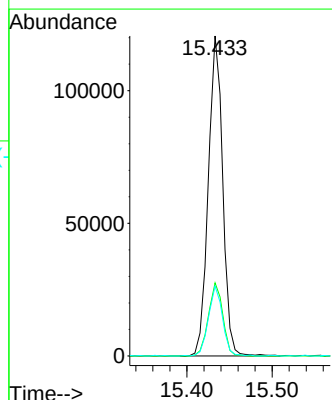
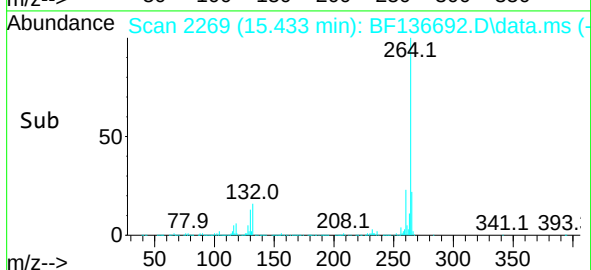
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

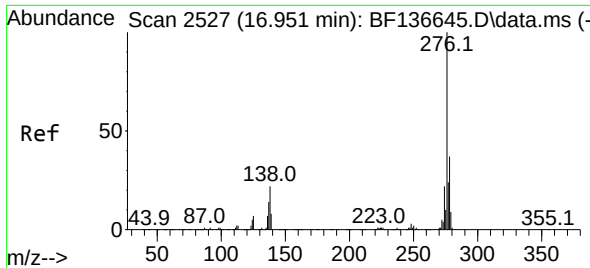


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40



Tgt Ion:264 Resp: 142018
Ion Ratio Lower Upper
264 100
260 22.8 18.3 27.5
265 21.8 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 34.775 ng
RT: 16.933 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

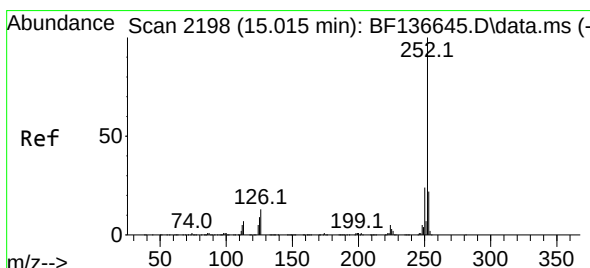
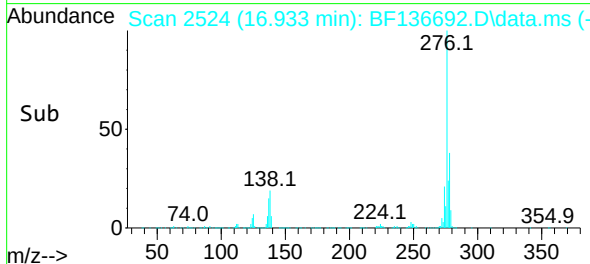
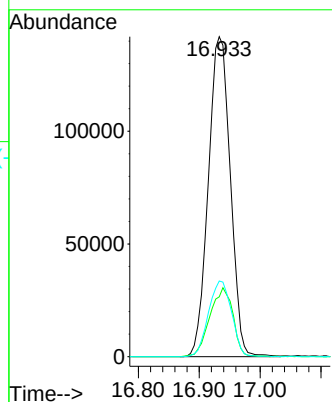
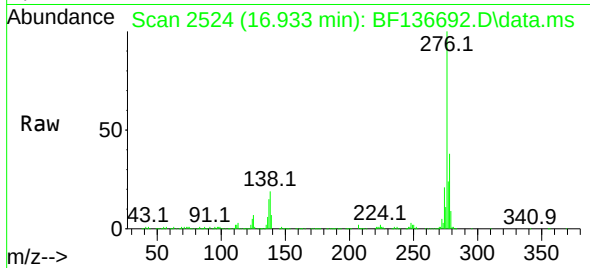
SOIL-COMP-2MSD

Tgt Ion:276 Resp: 35658
Ion Ratio Lower Upper
276 100
138 22.7 18.7 28.1
277 24.9 20.2 30.2

Manual Integrations

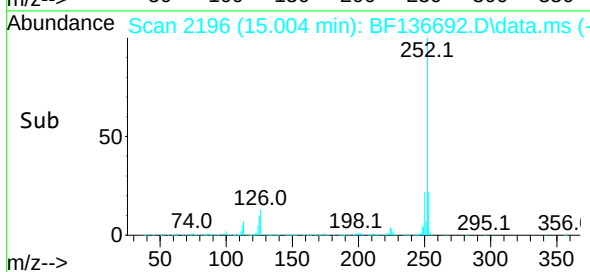
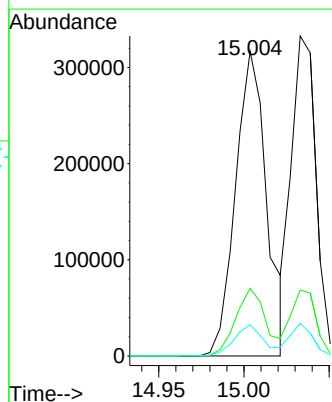
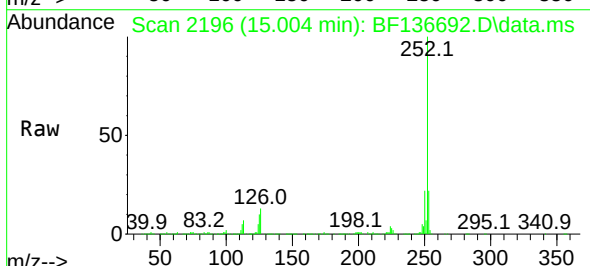
APPROVED

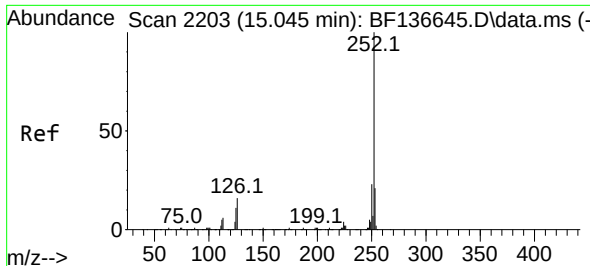
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#88
Benzo(b)fluoranthene
Concen: 42.441 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:252 Resp: 402574
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 10.2 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 37.373 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

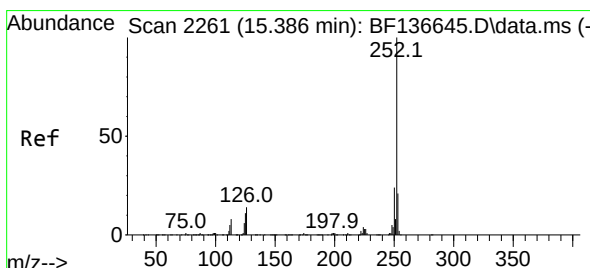
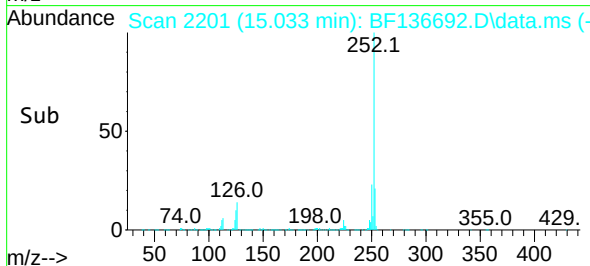
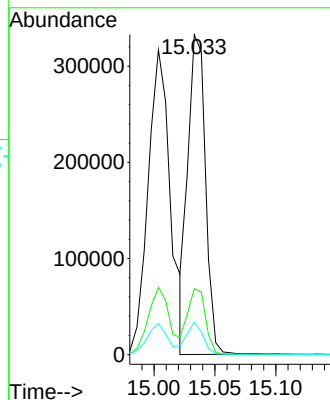
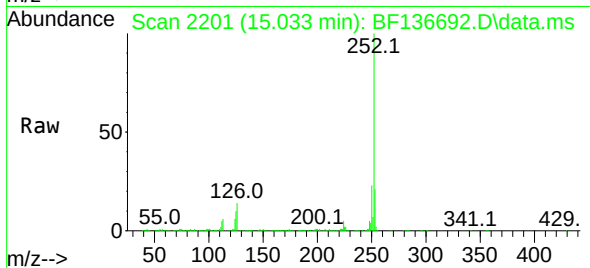
SOIL-COMP-2MSD

Tgt Ion:252 Resp: 334970
Ion Ratio Lower Upper
252 100
253 20.6 17.0 25.6
125 10.1 8.2 12.4

Manual Integrations

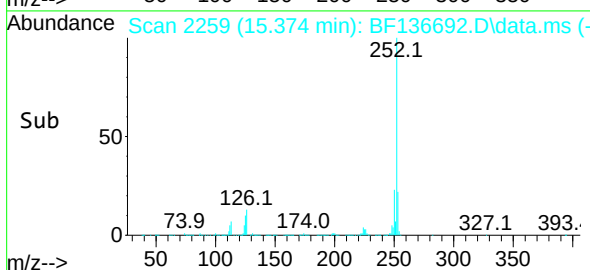
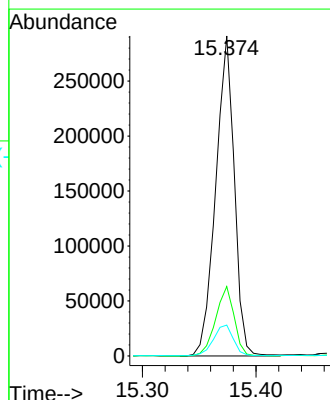
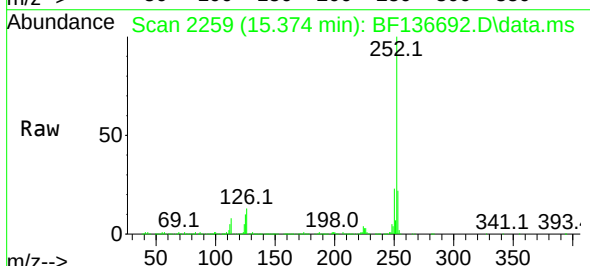
APPROVED

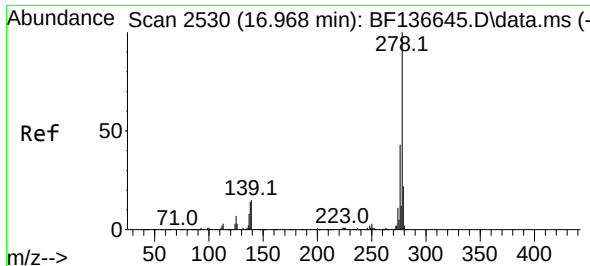
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#90
Benzo(a)pyrene
Concen: 41.343 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:252 Resp: 331025
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 9.7 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 36.119 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

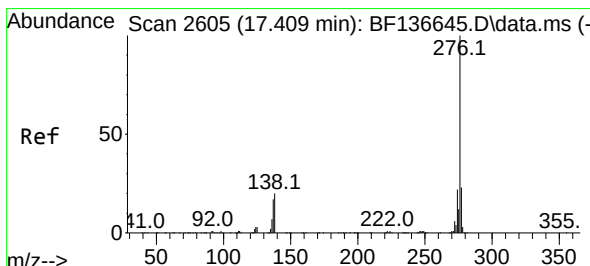
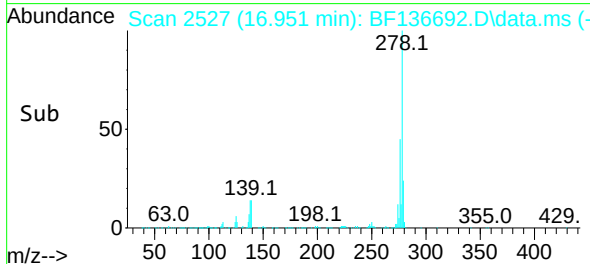
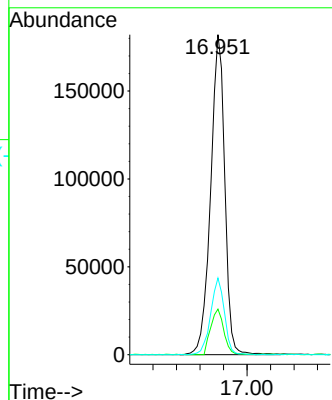
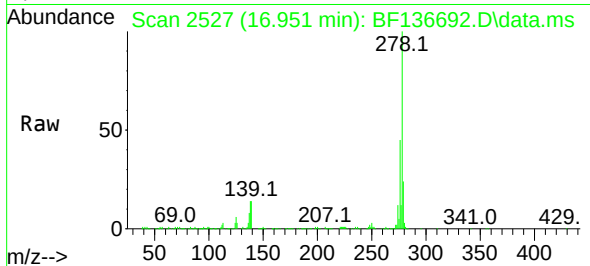
SOIL-COMP-2MSD

Tgt Ion:278 Resp: 30384
Ion Ratio Lower Upper
278 100
139 14.2 12.2 18.4
279 24.0 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#92
Benzo(g,h,i)perylene
Concen: 30.709 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.024 min
Lab File: BF136692.D
Acq: 22 Dec 2023 18:40

Tgt Ion:276 Resp: 264584
Ion Ratio Lower Upper
276 100
277 24.1 18.3 27.5
138 20.7 15.6 23.4

