

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136598.D
 Acq On : 15 Dec 2023 18:00
 Operator : CG\JU
 Sample : 05624-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MSD

Quant Time: Dec 16 02:04:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	96989	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	343166	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	150370	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	237615	20.000	ng	0.00
76) Chrysene-d12	13.968	240	217879	20.000	ng	0.00
86) Perylene-d12	15.439	264	211233	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	664412	101.168	ng	0.01
7) Phenol-d6	6.439	99	787782	96.143	ng	0.00
23) Nitrobenzene-d5	7.351	82	475357	74.885	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	175722	94.776	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	875671	79.461	ng	0.00
79) Terphenyl-d14	12.904	244	822625	49.764	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.604	88	106864	41.140	ng	95
3) Pyridine	3.363	79	244297	38.835	ng	94
4) n-Nitrosodimethylamine	3.328	42	115210	42.155	ng	97
6) Aniline	6.451	93	216387	26.131	ng	# 1
8) 2-Chlorophenol	6.575	128	292138	40.747	ng	96
9) Benzaldehyde	6.339	77	111807	24.581	ng	95
10) Phenol	6.451	94	336201	38.560	ng	93
11) bis(2-Chloroethyl)ether	6.528	93	271739	41.812	ng	97
12) 1,3-Dichlorobenzene	6.728	146	322095	39.947	ng	97
13) 1,4-Dichlorobenzene	6.804	146	326634	39.935	ng	98
14) 1,2-Dichlorobenzene	6.957	146	309427	40.230	ng	98
15) Benzyl Alcohol	6.934	79	226824	41.340	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	312962	37.442	ng	89
17) 2-Methylphenol	7.051	107	216325	37.347	ng	96
18) Hexachloroethane	7.292	117	113287	39.672	ng	96
19) n-Nitroso-di-n-propyla...	7.204	70	180643	38.218	ng	96
20) 3+4-Methylphenols	7.204	107	269975	37.551	ng	# 76
22) Acetophenone	7.198	105	396002	46.731	ng	98
24) Nitrobenzene	7.369	77	269539	42.209	ng	97
25) Isophorone	7.610	82	479421	42.038	ng	94
26) 2-Nitrophenol	7.686	139	145839	46.455	ng	91
27) 2,4-Dimethylphenol	7.728	122	205243	53.020	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	312682	44.619	ng	97
29) 2,4-Dichlorophenol	7.928	162	216566	42.385	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	257795	43.269	ng	99
31) Naphthalene	8.086	128	800020	42.275	ng	99
32) Benzoic acid	7.845	122	133448m	34.751	ng	
33) 4-Chloroaniline	8.139	127	92144	13.658	ng	97
34) Hexachlorobutadiene	8.204	225	152173	43.096	ng	99
35) Caprolactam	8.510	113	61035m	38.790	ng	
36) 4-Chloro-3-methylphenol	8.633	107	210733	38.843	ng	94
37) 2-Methylnaphthalene	8.780	142	486372	40.398	ng	95
38) 1-Methylnaphthalene	8.880	142	462116	39.116	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	238242	50.926	ng	100
41) Hexachlorocyclopentadiene	8.928	237	104590	60.346	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	139012	45.636	ng	99

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Instrument :
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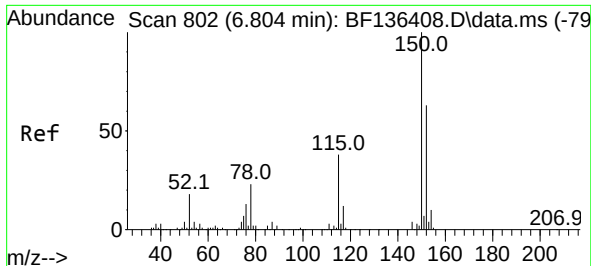
Quant Time: Dec 16 02:04:58 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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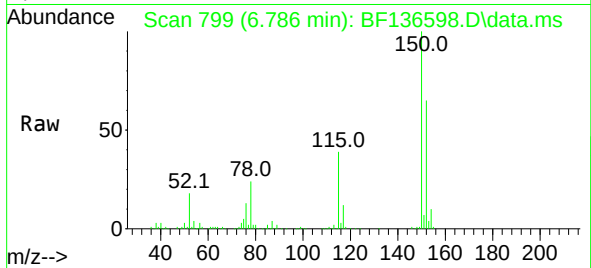
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	143308	42.152	ng	95
46) 1,1'-Biphenyl	9.245	154	620347	48.484	ng	96
47) 2-Chloronaphthalene	9.269	162	445715	44.757	ng	97
48) 2-Nitroaniline	9.369	65	114898	43.018	ng	91
49) Acenaphthylene	9.686	152	667390	47.045	ng	98
50) Dimethylphthalate	9.551	163	515474	46.562	ng	99
51) 2,6-Dinitrotoluene	9.610	165	110455	44.348	ng	99
52) Acenaphthene	9.857	154	398044	43.786	ng	95
53) 3-Nitroaniline	9.780	138	79033	31.075	ng	95
54) 2,4-Dinitrophenol	9.886	184	58409	46.384	ng	# 89
55) Dibenzofuran	10.027	168	579975	43.672	ng	99
56) 4-Nitrophenol	9.957	139	146754	76.971	ng	89
57) 2,4-Dinitrotoluene	10.016	165	133315	40.463	ng	98
58) Fluorene	10.374	166	437390	41.029	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	108557	39.863	ng	98
60) Diethylphthalate	10.251	149	467721	42.965	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	224375	43.174	ng	92
62) 4-Nitroaniline	10.392	138	86297	34.172	ng	92
63) Azobenzene	10.527	77	386954	39.052	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	46288	31.455	ng	97
66) n-Nitrosodiphenylamine	10.486	169	382322	50.143	ng	97
67) 4-Bromophenyl-phenylether	10.857	248	132142	47.832	ng	97
68) Hexachlorobenzene	10.921	284	142631	44.670	ng	# 92
69) Atrazine	11.016	200	126335	58.054	ng	98
70) Pentachlorophenol	11.121	266	146126	81.088	ng	98
71) Phenanthrene	11.339	178	607687	46.529	ng	97
72) Anthracene	11.386	178	599454	45.570	ng	98
73) Carbazole	11.551	167	529570	45.485	ng	98
74) Di-n-butylphthalate	11.880	149	651785	45.665	ng	99
75) Fluoranthene	12.527	202	653731	47.764	ng	97
77) Benzidine	12.657	184	213630	41.769	ng	99
78) Pyrene	12.763	202	679886	31.862	ng	98
80) Butylbenzylphthalate	13.386	149	283131	37.274	ng	96
81) Benzo(a)anthracene	13.957	228	694925	45.789	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	210883	49.558	ng	99
83) Chrysene	13.992	228	660051	44.205	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	394917	42.409	ng	# 97
85) Di-n-octyl phthalate	14.568	149	755539	54.929	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	492484	33.560	ng	99
88) Benzo(b)fluoranthene	15.009	252	699736	48.450	ng	100
89) Benzo(k)fluoranthene	15.039	252	581862	42.750	ng	99
90) Benzo(a)pyrene	15.380	252	540412	45.309	ng	100
91) Dibenzo(a,h)anthracene	16.962	278	411555	34.233	ng	99
92) Benzo(g,h,i)perylene	17.398	276	364644	29.551	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.001 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

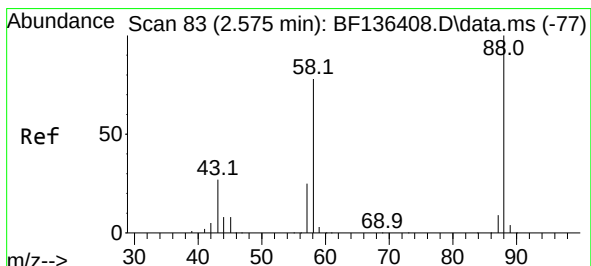
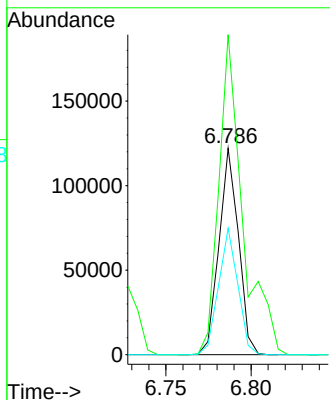
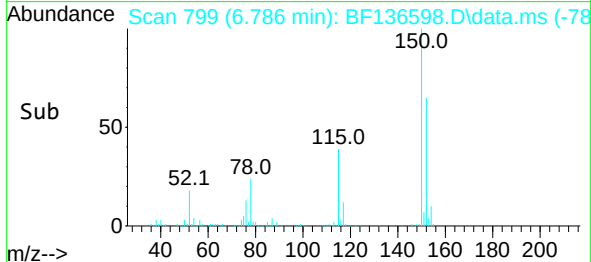
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion:152 Resp: 96989
Ion Ratio Lower Upper
152 100
150 155.0 126.4 189.6
115 61.2 48.2 72.4

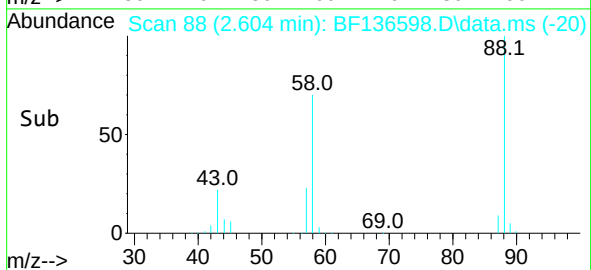
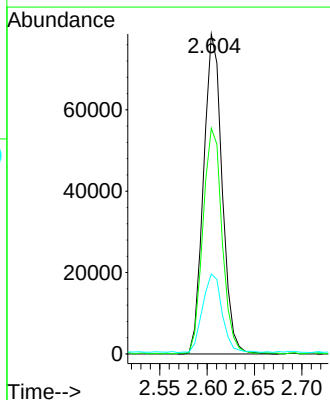
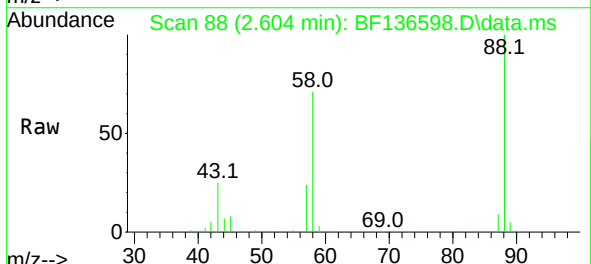
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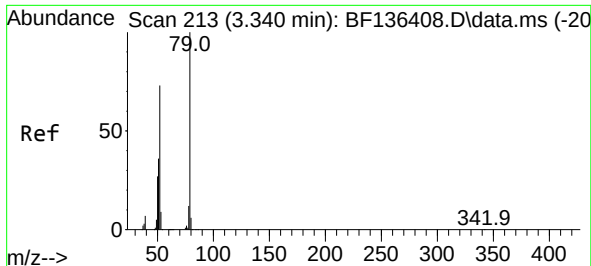
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#2
1,4-Dioxane
Concen: 41.140 ng
RT: 2.604 min Scan# 88
Delta R.T. 0.053 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion: 88 Resp: 106864
Ion Ratio Lower Upper
88 100
58 73.0 62.2 93.2
43 25.9 21.5 32.3





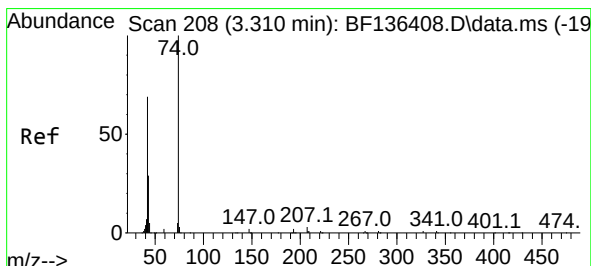
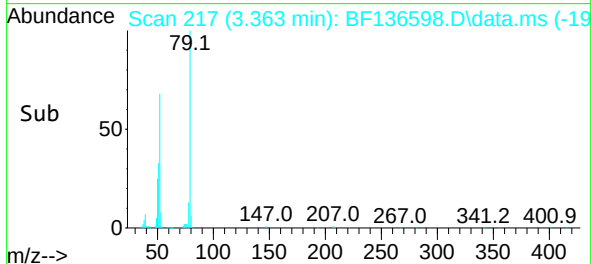
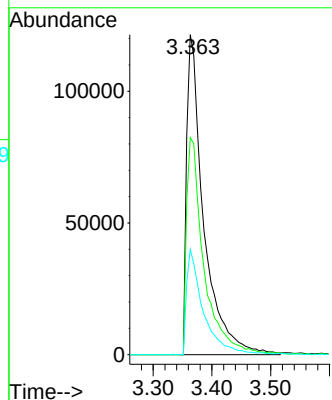
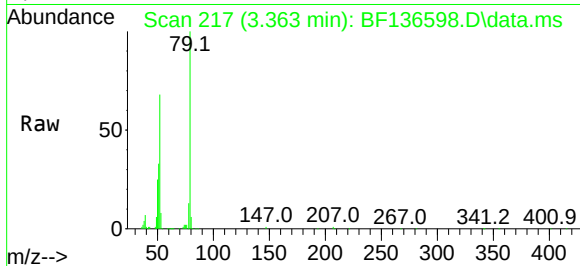
#3
Pyridine
Concen: 38.835 ng
RT: 3.363 min Scan# 211
Delta R.T. 0.053 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion: 79 Resp: 24429
Ion Ratio Lower Upper
79 100
52 67.8 58.2 87.2
51 32.9 29.1 43.7

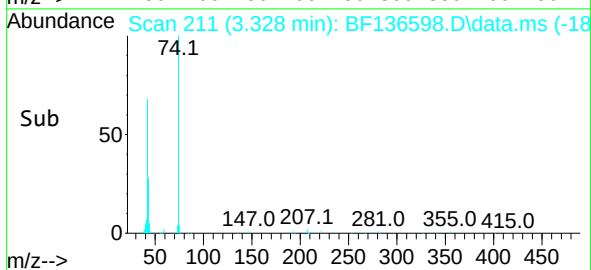
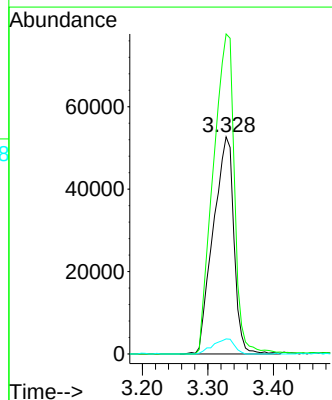
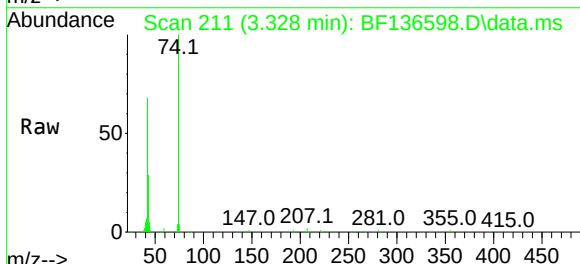
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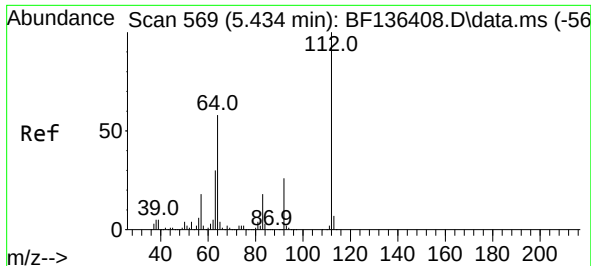
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#4
n-Nitrosodimethylamine
Concen: 42.155 ng
RT: 3.328 min Scan# 211
Delta R.T. 0.041 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion: 42 Resp: 115210
Ion Ratio Lower Upper
42 100
74 147.4 115.4 173.0
44 6.9 6.2 9.2





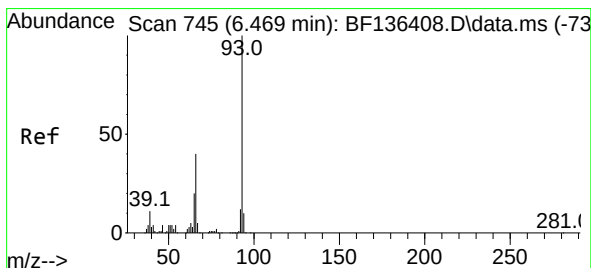
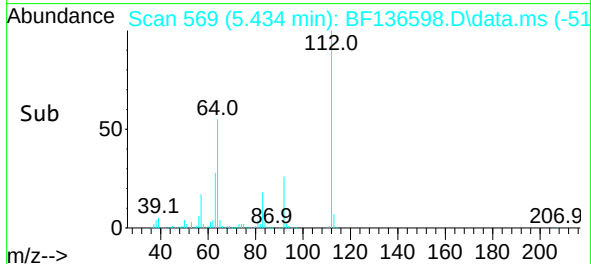
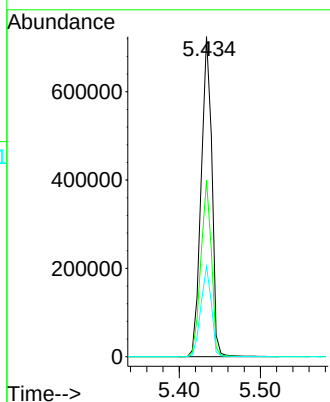
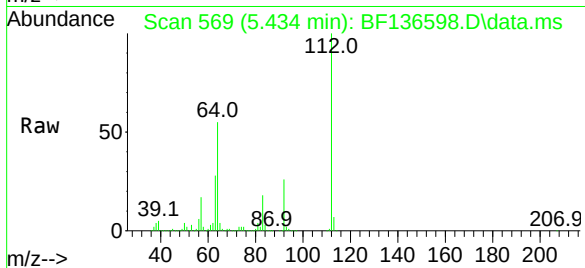
#5
2-Fluorophenol
Concen: 101.168 ng
RT: 5.434 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:112 Resp: 664412
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 28.2 23.9 35.9

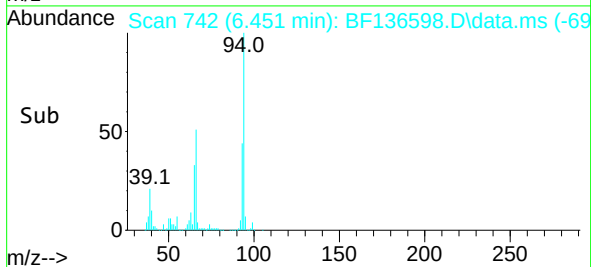
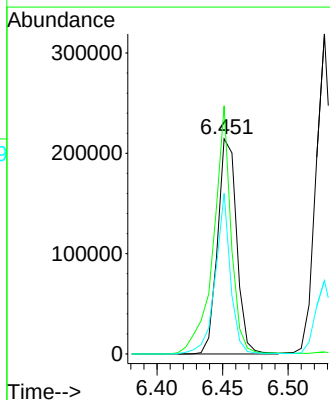
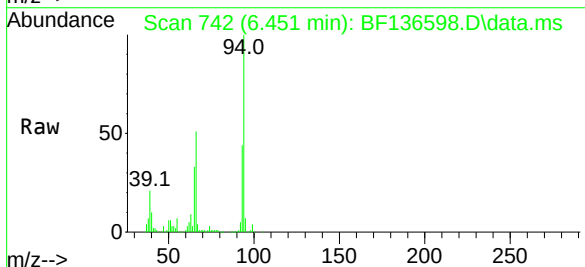
Manual Integrations
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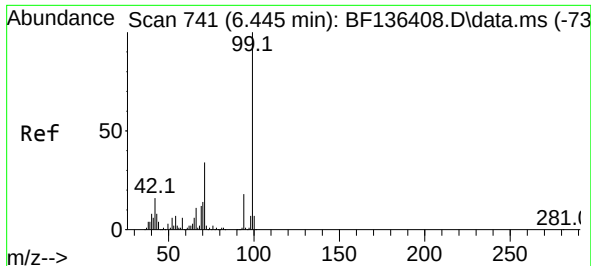
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#6
Aniline
Concen: 26.131 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion: 93 Resp: 216387
Ion Ratio Lower Upper
93 100
66 115.3 32.5 48.7#
65 74.6 16.4 24.6#





#7

Phenol-d6

Concen: 96.143 ng

RT: 6.439 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136598.D

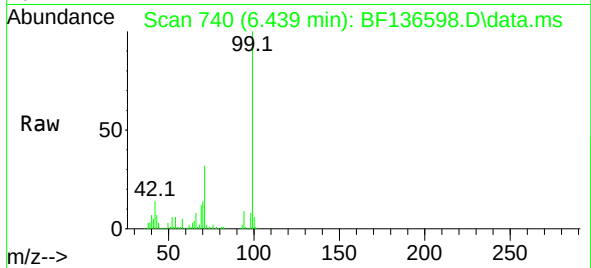
Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD



Tgt Ion: 99 Resp: 78778

Ion Ratio Lower Upper

99 100

42 14.5 12.8 19.2

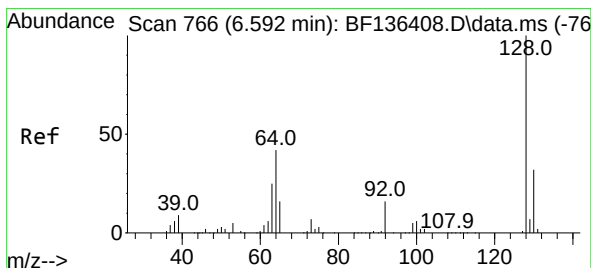
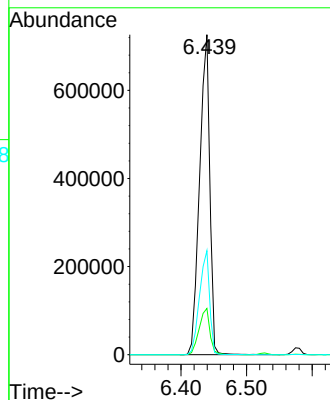
71 32.5 27.0 40.4

Manual Integrations

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Supervised By :mohammad ahmed 12/16/2023



#8

2-Chlorophenol

Concen: 40.747 ng

RT: 6.575 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

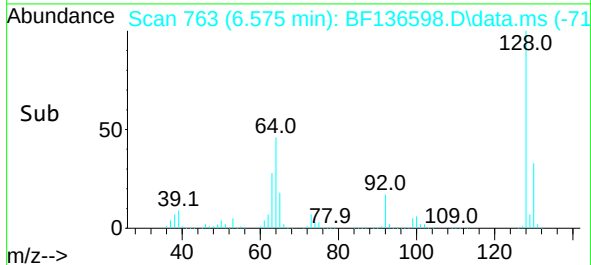
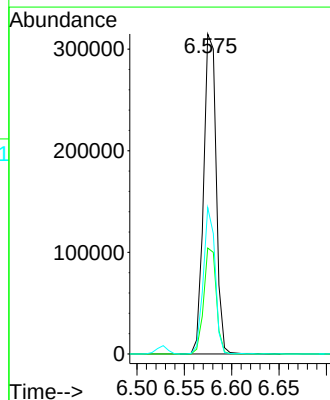
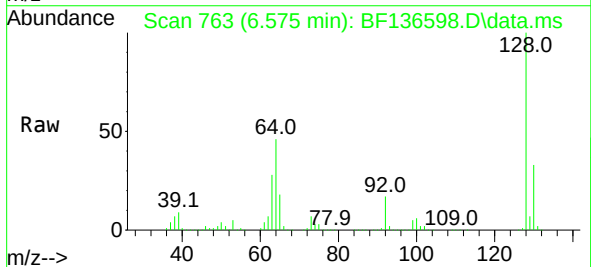
Tgt Ion:128 Resp: 292138

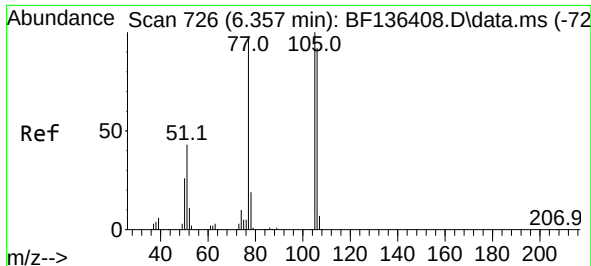
Ion Ratio Lower Upper

128 100

130 33.1 11.7 51.7

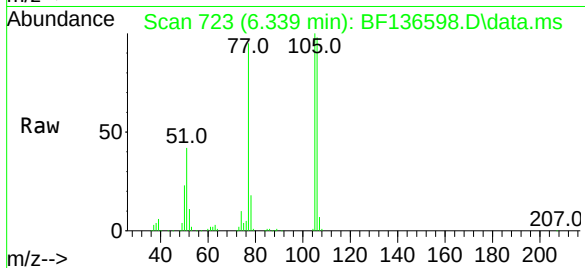
64 45.7 22.5 62.5





#9
Benzaldehyde
Concen: 24.581 ng
RT: 6.339 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

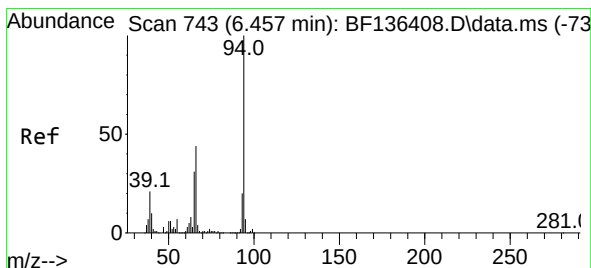
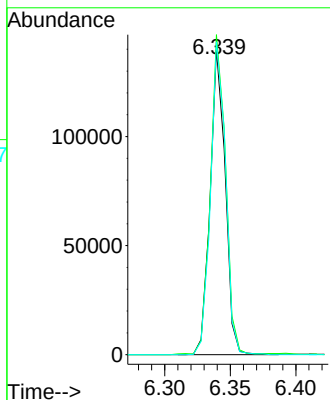
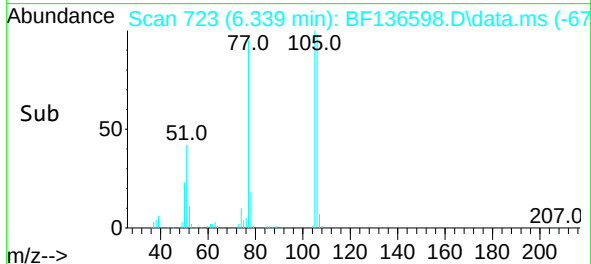
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion: 77 Resp: 11180
Ion Ratio Lower Upper
77 100
105 104.8 82.5 122.5
106 102.5 74.5 114.5

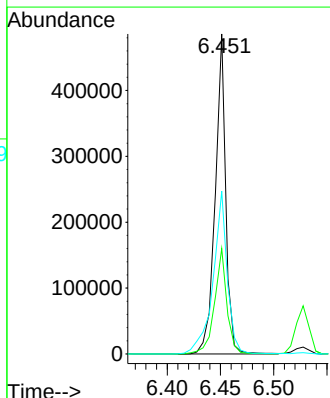
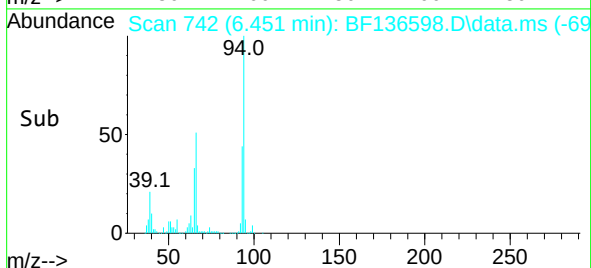
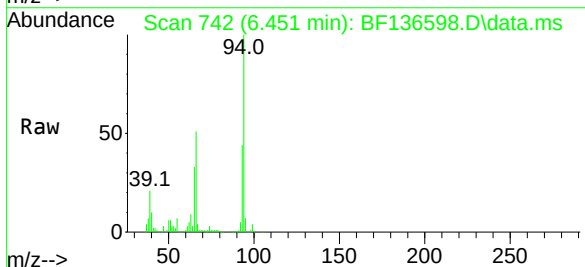
Manual Integrations
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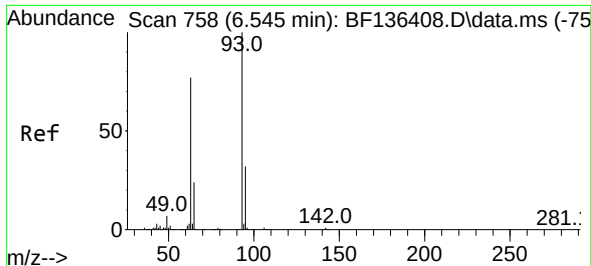
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#10
Phenol
Concen: 38.560 ng
RT: 6.451 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

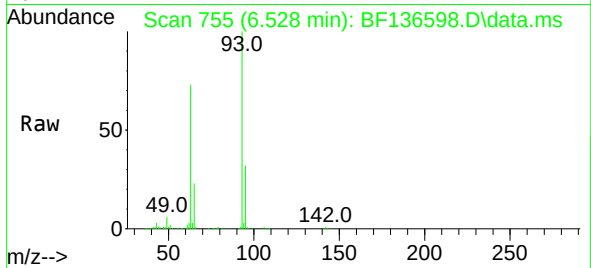
Tgt Ion: 94 Resp: 336201
Ion Ratio Lower Upper
94 100
65 32.9 11.2 51.2
66 50.9 24.2 64.2





#11
bis(2-Chloroethyl)ether
Concen: 41.812 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

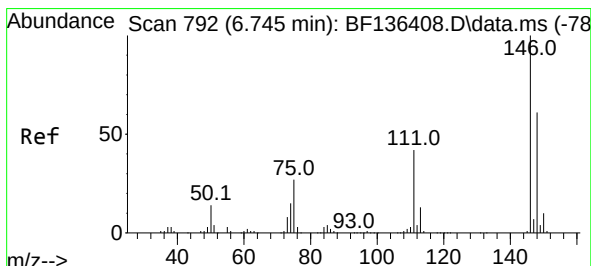
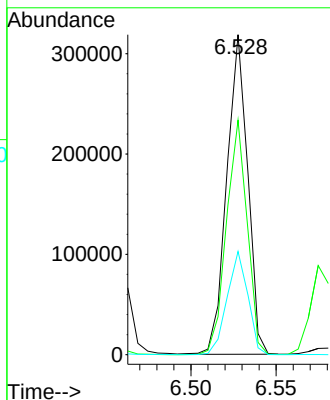
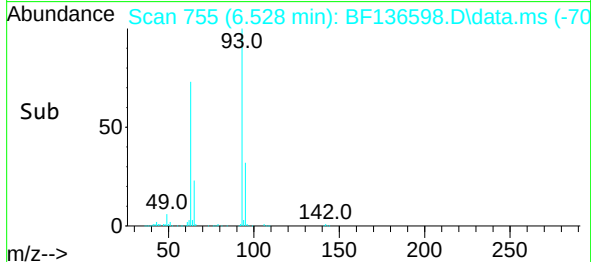
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



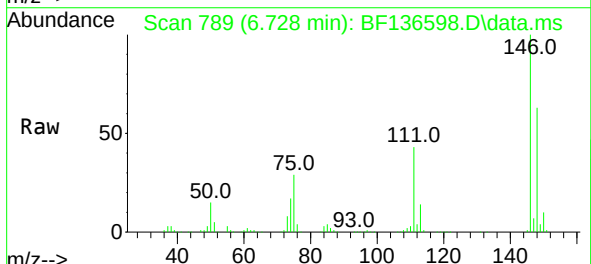
Tgt Ion: 93 Resp: 271739
Ion Ratio Lower Upper
93 100
63 73.3 56.8 96.8
95 32.2 11.8 51.8

Manual Integrations
APPROVED

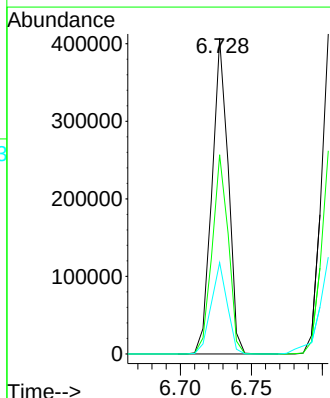
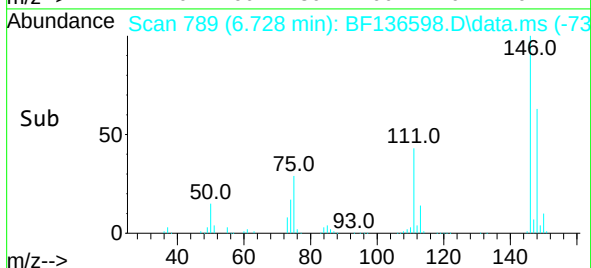
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

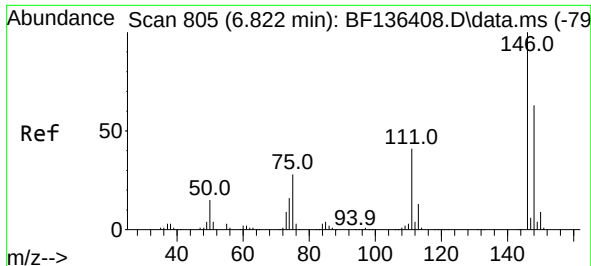


#12
1,3-Dichlorobenzene
Concen: 39.947 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



Tgt Ion:146 Resp: 322095
Ion Ratio Lower Upper
146 100
148 63.2 49.0 73.6
75 29.0 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 39.935 ng

RT: 6.804 min Scan# 805

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

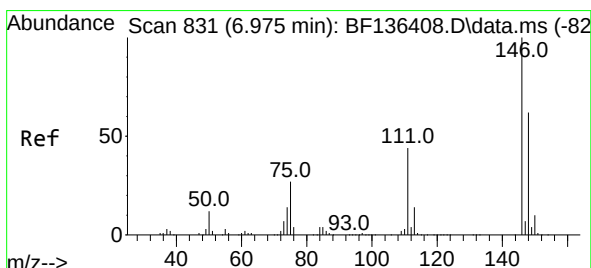
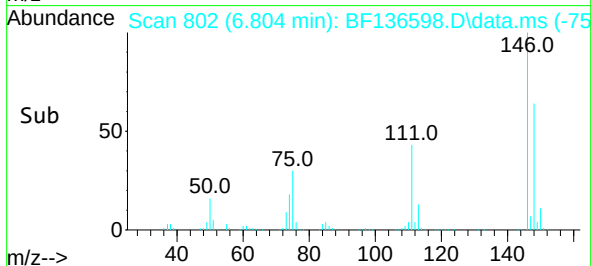
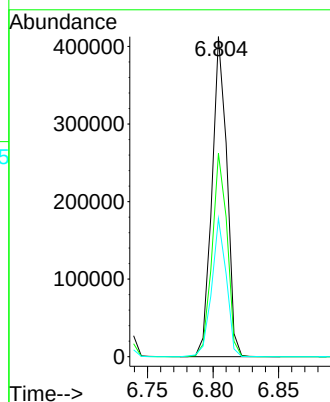
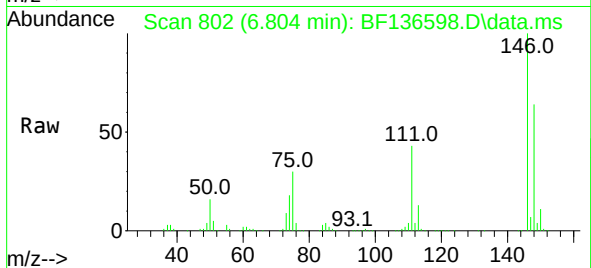
ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion:146 Resp: 326634
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.3 75.5
 111 43.2 32.6 49.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023



#14

1,2-Dichlorobenzene

Concen: 40.230 ng

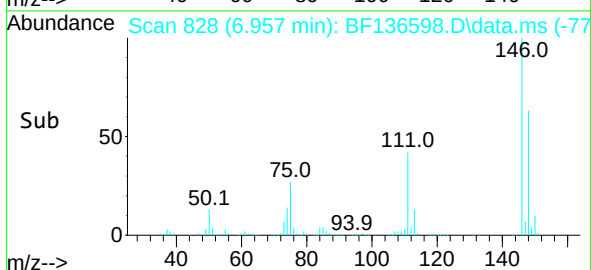
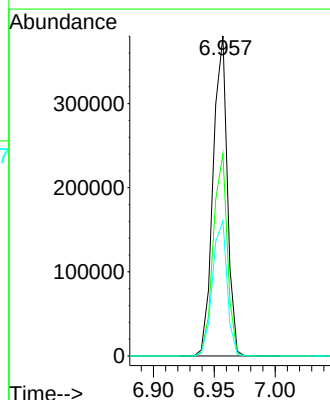
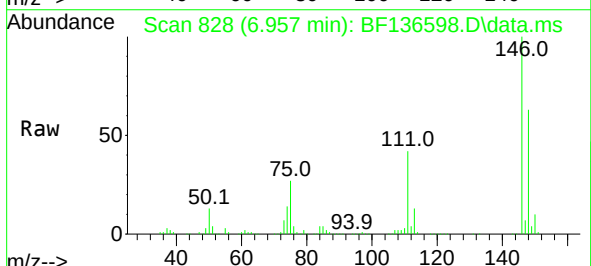
RT: 6.957 min Scan# 828

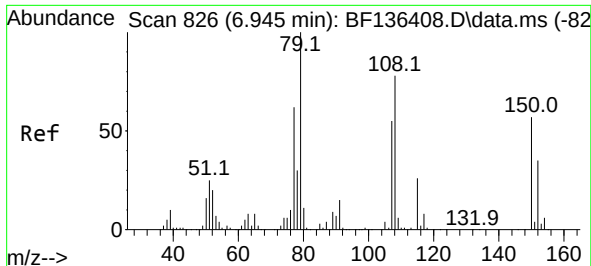
Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

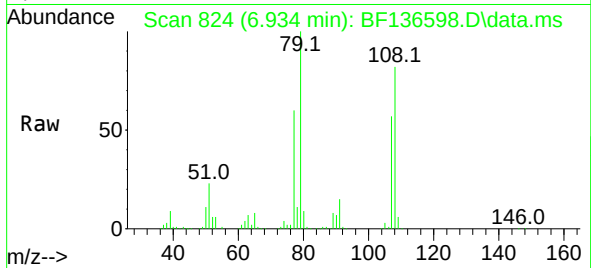
Tgt Ion:146 Resp: 309427
 Ion Ratio Lower Upper
 146 100
 148 63.2 49.8 74.6
 111 42.2 34.9 52.3





#15
Benzyl Alcohol
Concen: 41.340 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

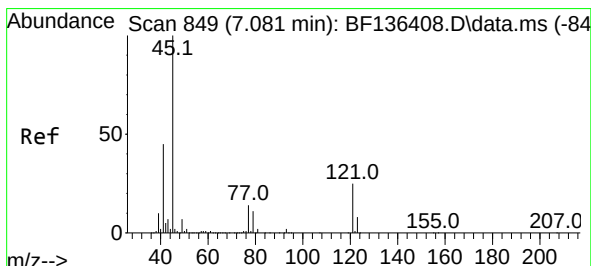
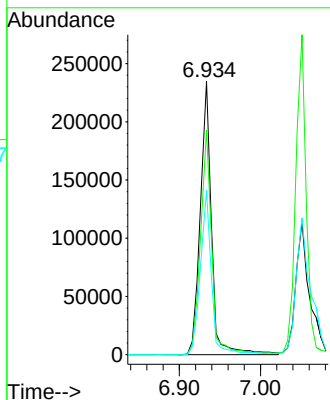
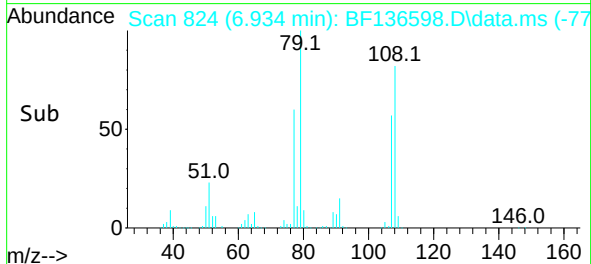
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



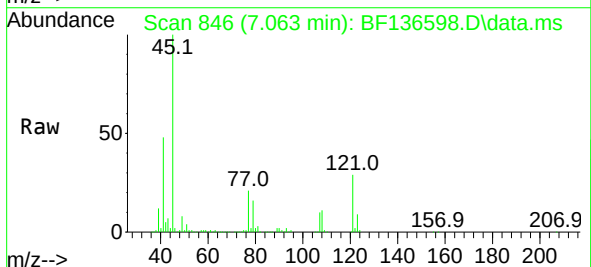
Tgt Ion: 79 Resp: 226824
Ion Ratio Lower Upper
79 100
108 82.1 62.3 93.5
77 60.0 49.8 74.8

Manual Integrations
APPROVED

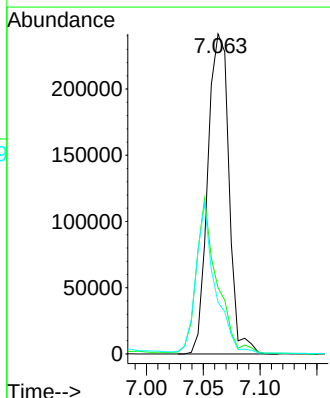
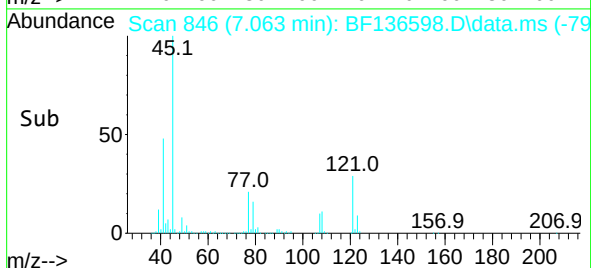
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

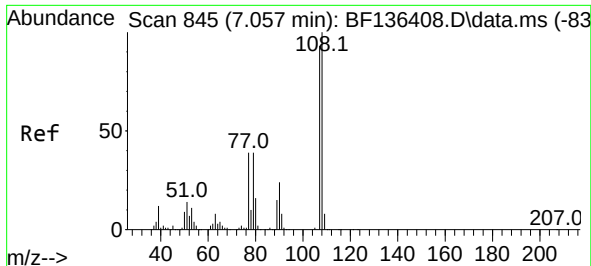


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.442 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



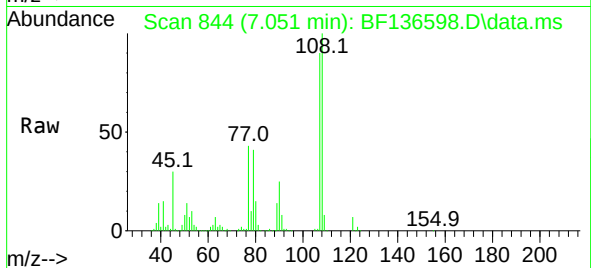
Tgt Ion: 45 Resp: 312962
Ion Ratio Lower Upper
45 100
77 20.7 0.0 35.3
79 16.1 0.0 32.5





#17
2-Methylphenol
Concen: 37.347 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

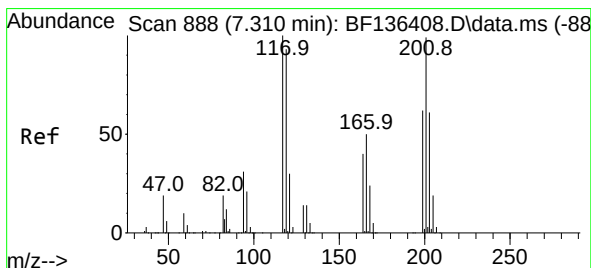
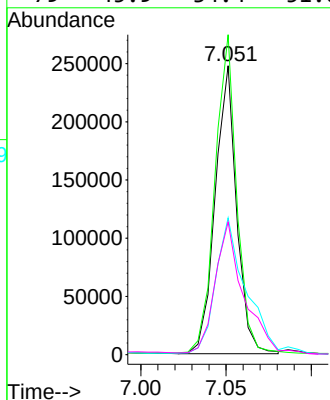
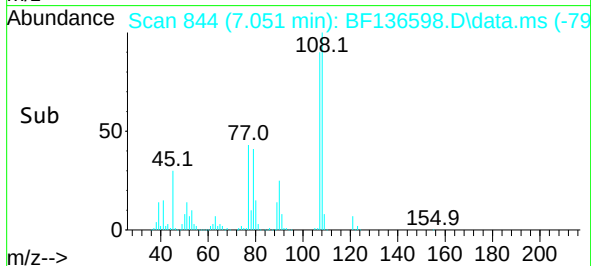
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion:107 Resp: 216329
Ion Ratio Lower Upper
107 100
108 110.8 86.5 129.7
77 47.4 33.8 50.8
79 45.9 34.4 51.6

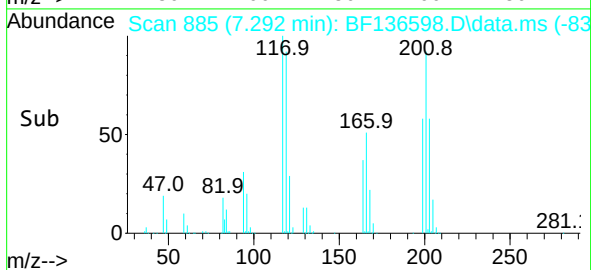
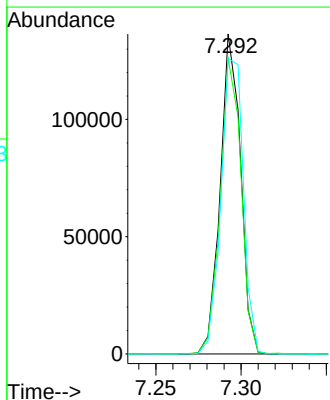
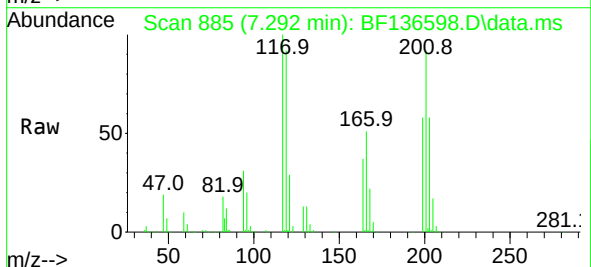
Manual Integrations
APPROVED

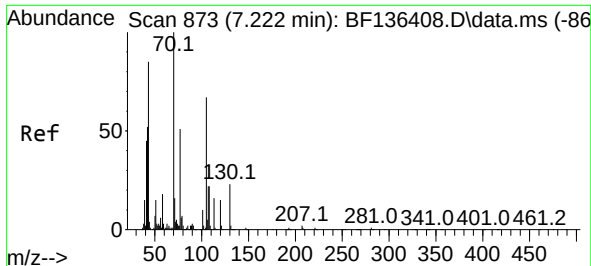
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#18
Hexachloroethane
Concen: 39.672 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:117 Resp: 113287
Ion Ratio Lower Upper
117 100
119 92.5 74.3 111.5
201 92.5 79.3 118.9





#19

n-Nitroso-di-n-propylamine

Concen: 38.218 ng

RT: 7.204 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF136598.D

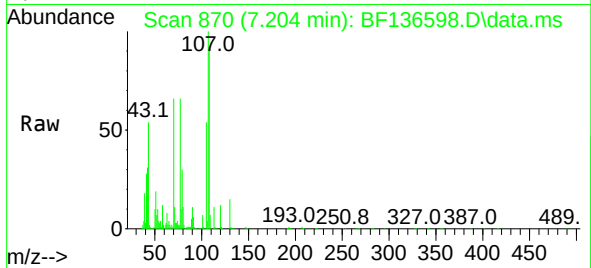
Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD



Tgt Ion: 70 Resp: 18064

Ion Ratio Lower Upper

70 100

42 47.4 41.4 62.0

101 10.7 8.2 12.4

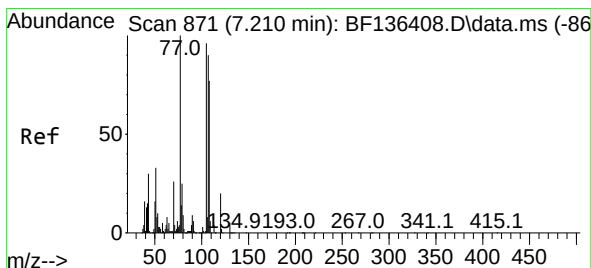
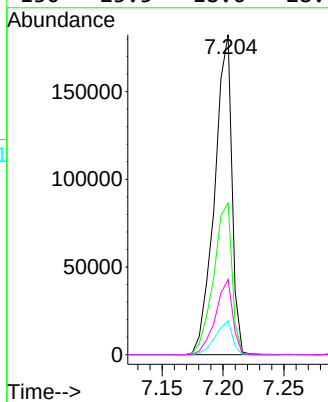
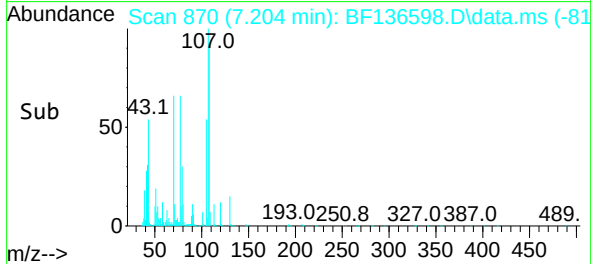
130 23.5 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#20

3+4-Methylphenols

Concen: 37.551 ng

RT: 7.204 min Scan# 870

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Tgt Ion:107 Resp: 269975

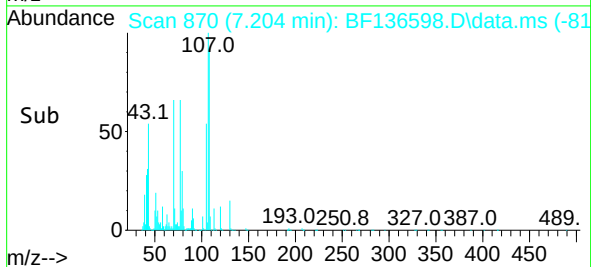
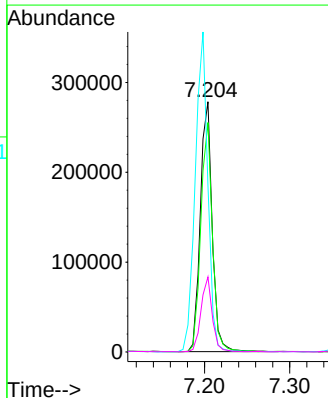
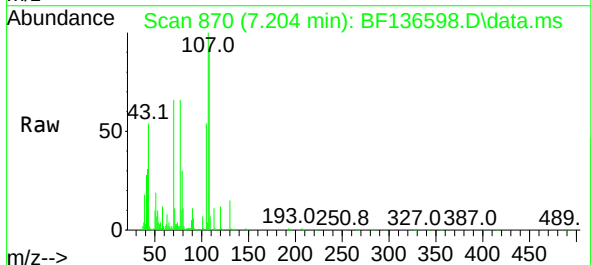
Ion Ratio Lower Upper

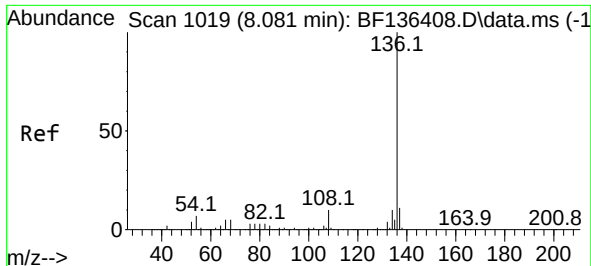
107 100

108 91.7 65.9 105.9

77 66.4 91.7 131.7#

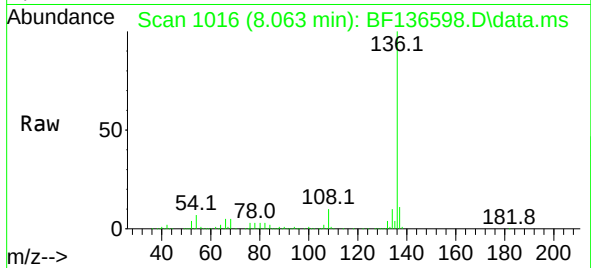
79 30.0 7.5 47.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

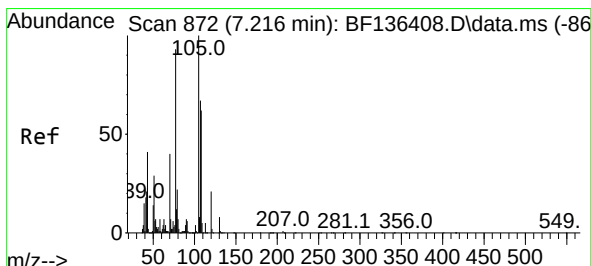
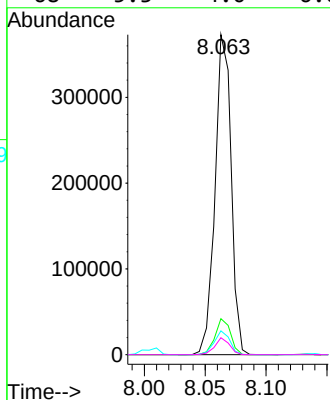
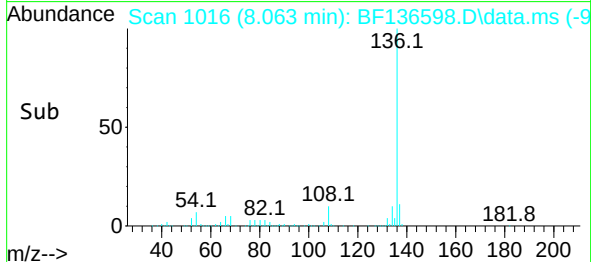
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



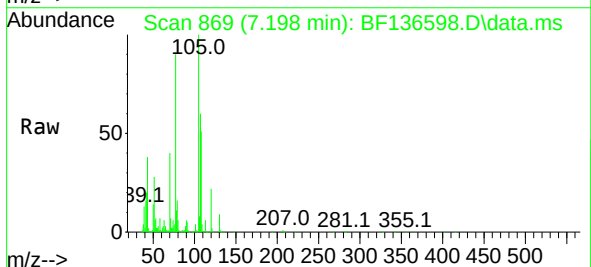
Tgt Ion:136 Resp: 343160
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.4 5.7 8.5
68 5.3 4.0 6.0

Manual Integrations
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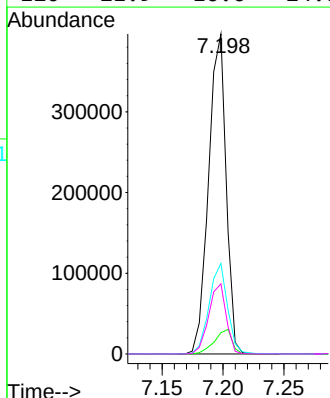
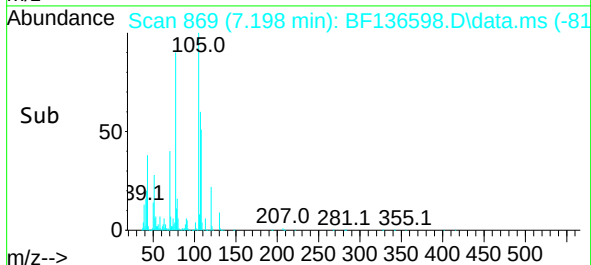
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

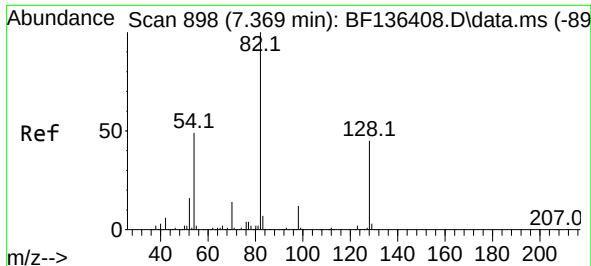


#22
Acetophenone
Concen: 46.731 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



Tgt Ion:105 Resp: 396002
Ion Ratio Lower Upper
105 100
71 6.6 5.4 8.0
51 28.2 23.4 35.2
120 21.9 16.6 24.8





#23

Nitrobenzene-d5

Concen: 74.885 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

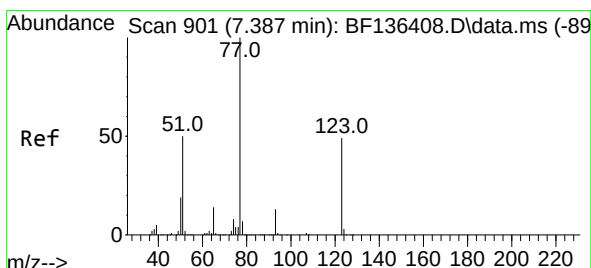
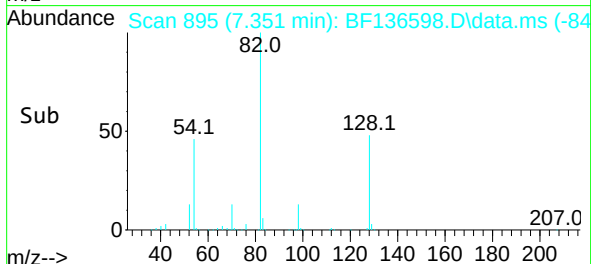
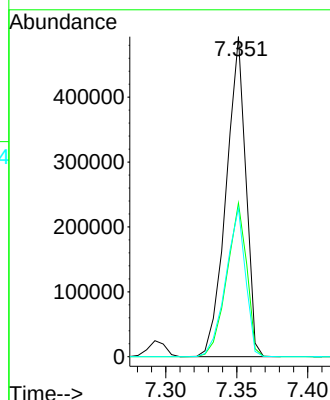
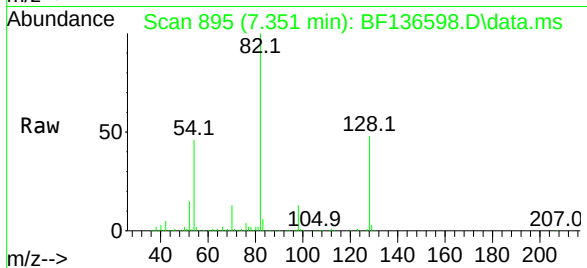
ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion: 82	Resp: 47535
Ion Ratio	Lower Upper
82	100
128	48.0 36.3 54.5
54	46.5 39.0 58.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#24

Nitrobenzene

Concen: 42.209 ng

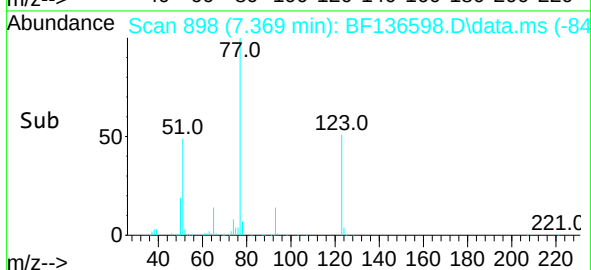
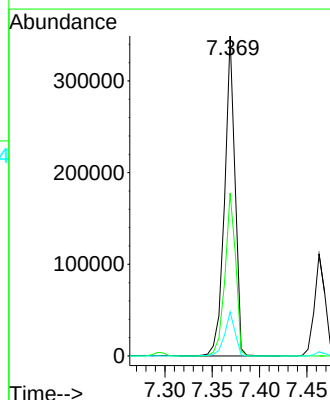
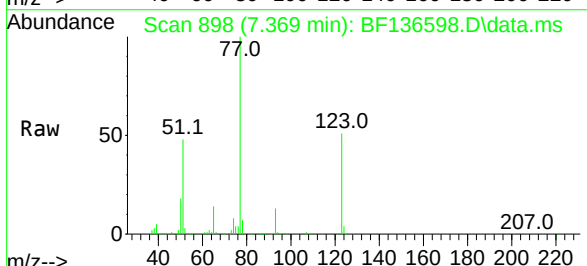
RT: 7.369 min Scan# 898

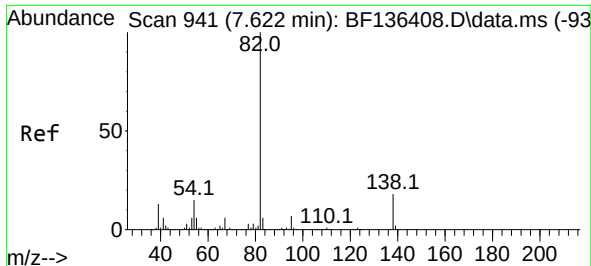
Delta R.T. -0.006 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Tgt Ion: 77	Resp: 269539
Ion Ratio	Lower Upper
77	100
123	50.9 39.0 58.6
65	13.8 11.3 16.9





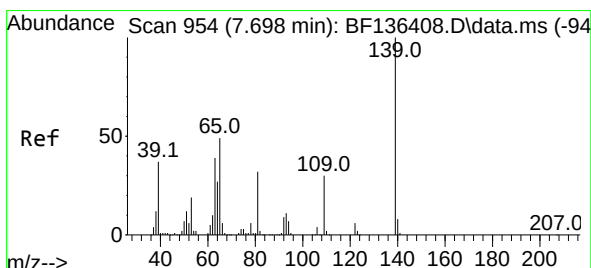
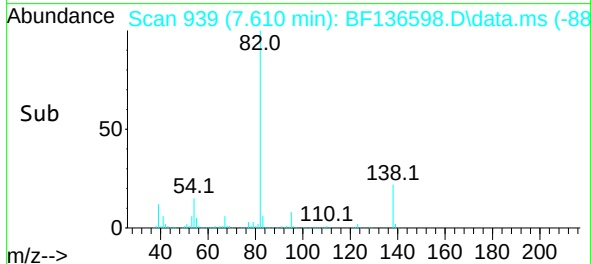
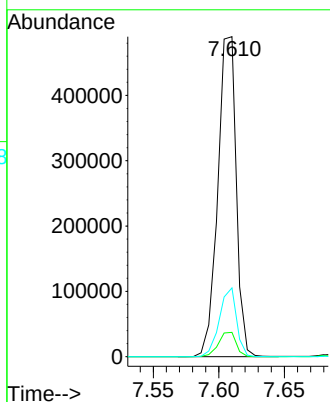
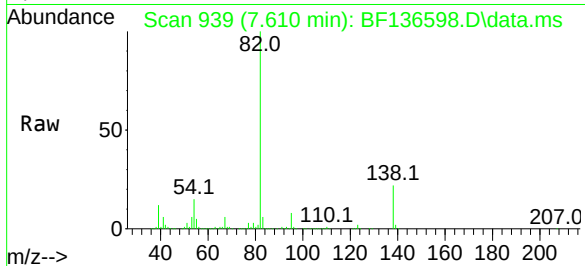
#25
Isophorone
Concen: 42.038 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion: 82 Resp: 47942
Ion Ratio Lower Upper
82 100
95 7.6 5.7 8.5
138 21.5 14.5 21.7

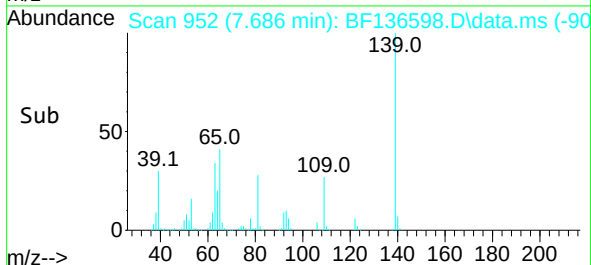
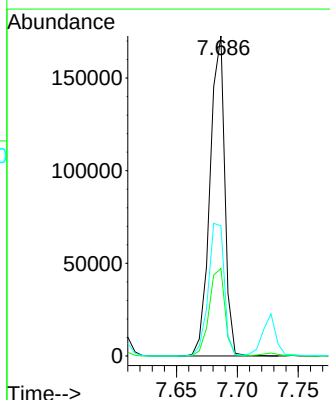
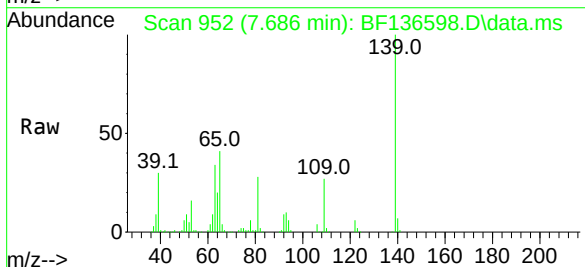
Manual Integrations
APPROVED

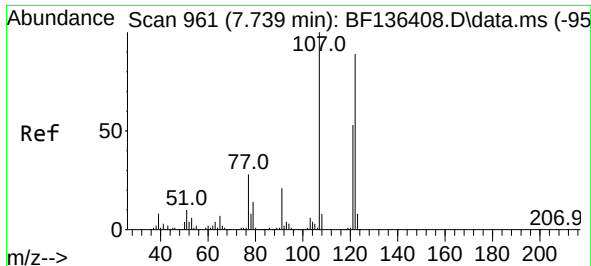
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#26
2-Nitrophenol
Concen: 46.455 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:139 Resp: 145839
Ion Ratio Lower Upper
139 100
109 27.4 23.6 35.4
65 40.7 39.4 59.2





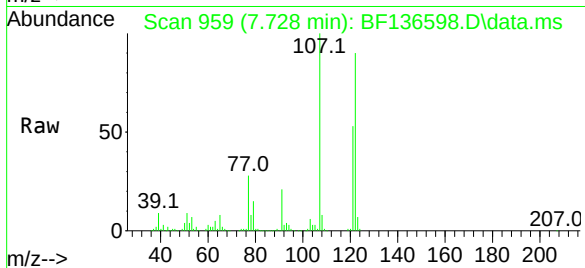
#27
2,4-Dimethylphenol
Concen: 53.020 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

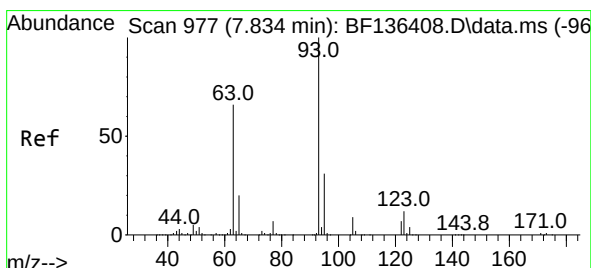
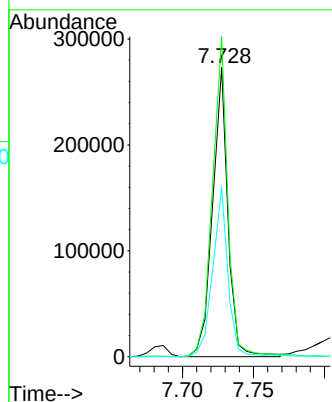


Tgt Ion:122 Resp: 20524
Ion Ratio Lower Upper
122 100
107 110.7 89.3 133.9
121 58.6 47.6 71.4

Manual Integrations

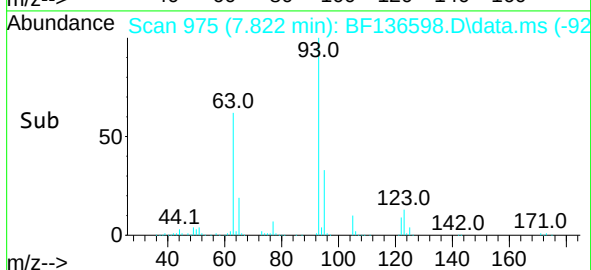
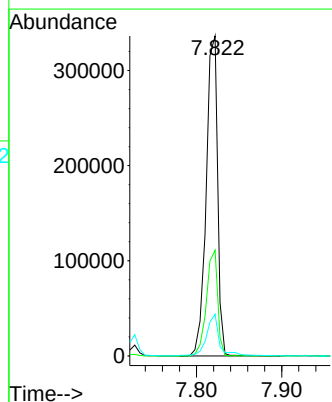
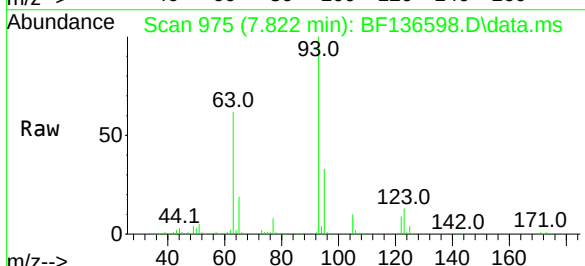
APPROVED

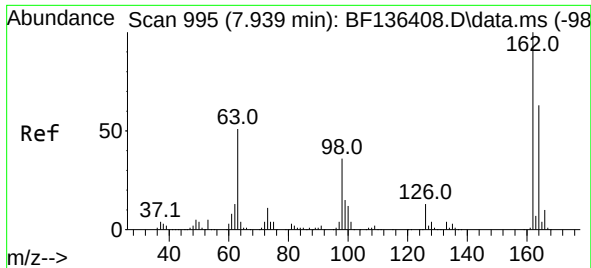
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#28
bis(2-Chloroethoxy)methane
Concen: 44.619 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion: 93 Resp: 312682
Ion Ratio Lower Upper
93 100
95 33.0 25.0 37.4
123 13.1 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 42.385 ng

RT: 7.928 min Scan# 993

Delta R.T. -0.000 min

Lab File: BF136598.D

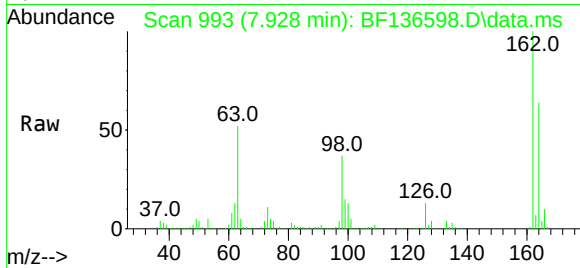
Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD



Tgt Ion:162 Resp: 216560

Ion Ratio Lower Upper

162 100

164 63.6 43.0 83.0

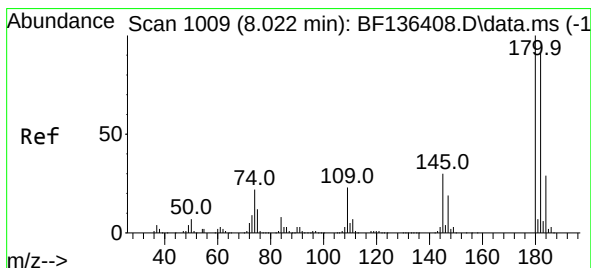
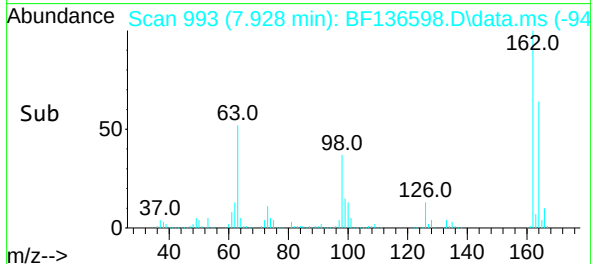
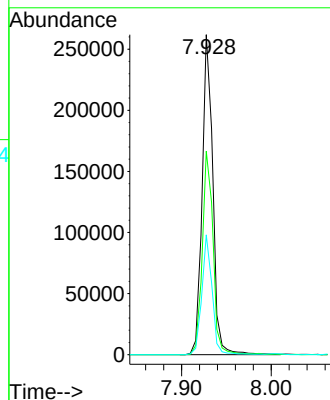
98 37.5 16.2 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.269 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

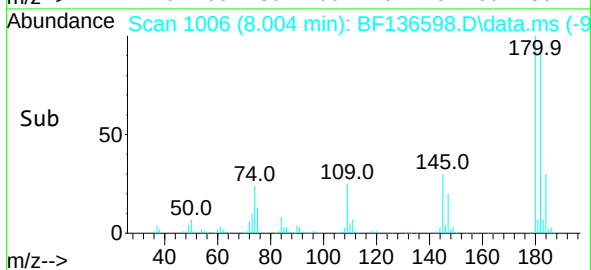
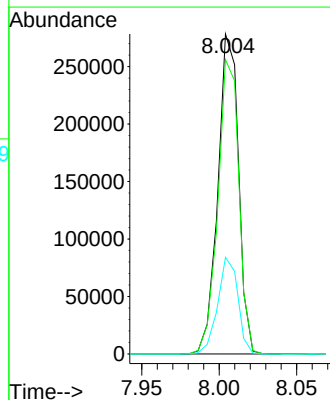
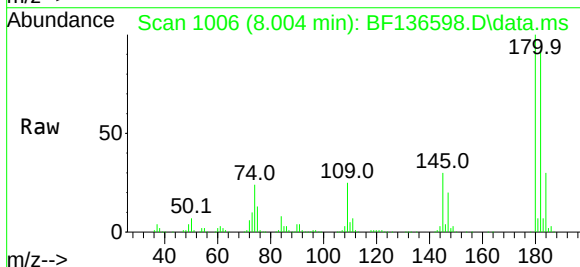
Tgt Ion:180 Resp: 257795

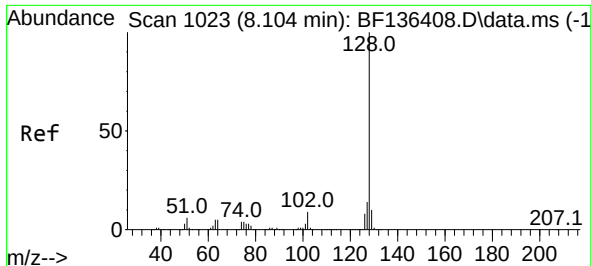
Ion Ratio Lower Upper

180 100

182 92.0 73.1 109.7

145 30.2 23.8 35.8





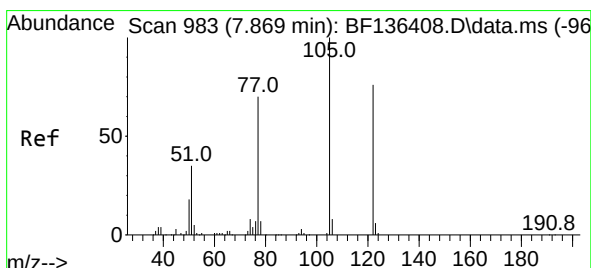
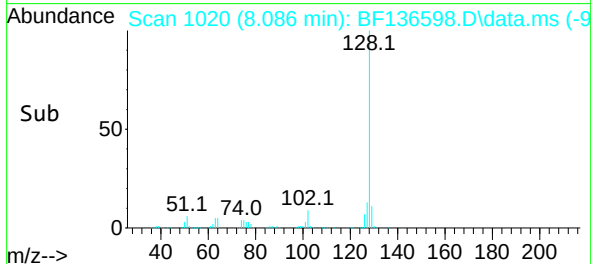
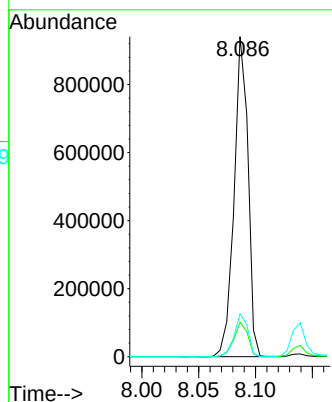
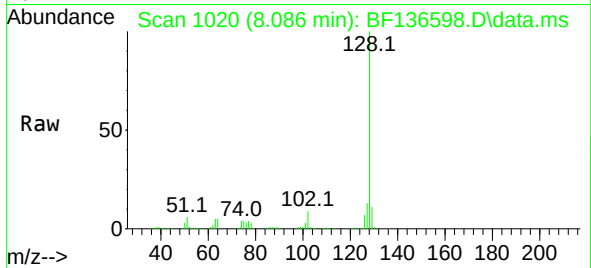
#31
Naphthalene
Concen: 42.275 ng
RT: 8.086 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:128 Resp: 800020
Ion Ratio Lower Upper
128 100
129 10.8 8.3 12.5
127 13.4 11.1 16.7

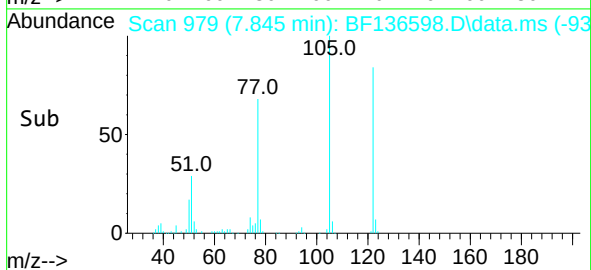
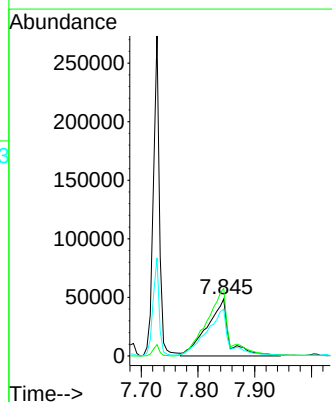
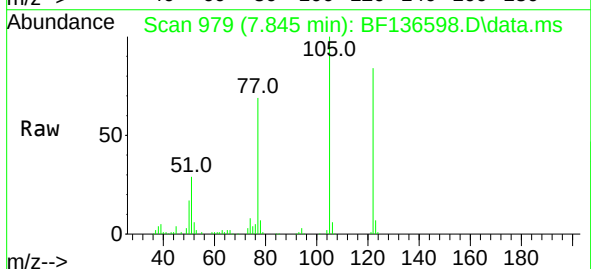
Manual Integrations
APPROVED

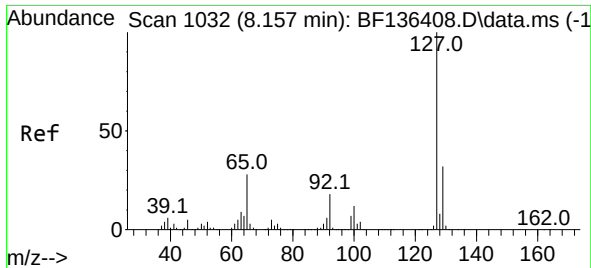
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#32
Benzoic acid
Concen: 34.751 ng m
RT: 7.845 min Scan# 979
Delta R.T. -0.012 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:122 Resp: 133448
Ion Ratio Lower Upper
122 100
105 118.8 104.7 144.7
77 82.2 68.5 108.5





#33
4-Chloroaniline
Concen: 13.658 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

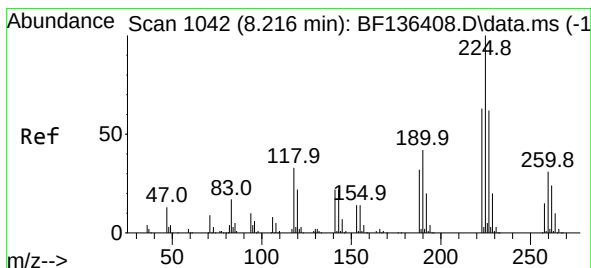
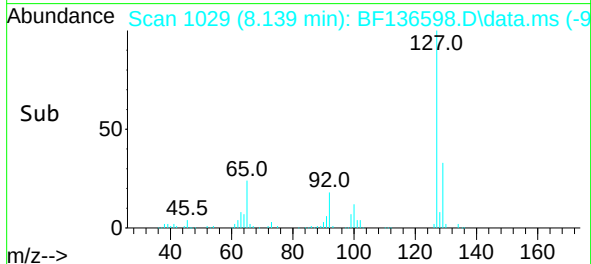
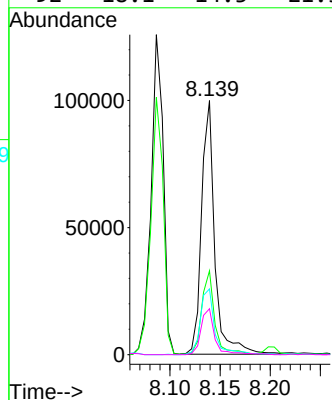
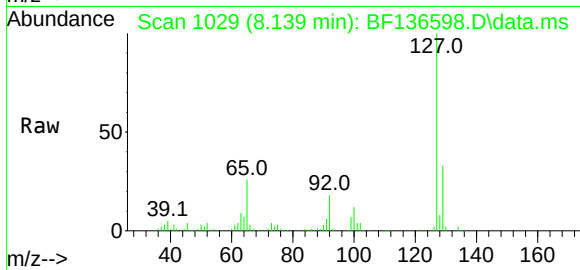
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:127 Resp: 92144

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.4	38.2
65	25.9	22.5	33.7
92	18.1	14.3	21.5

Manual Integrations
APPROVED

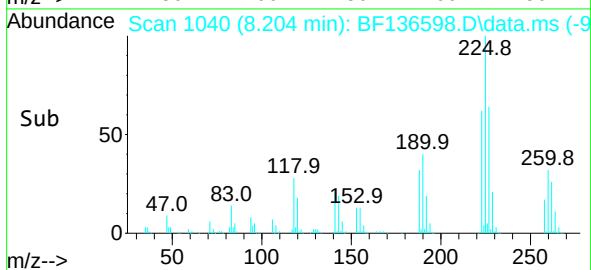
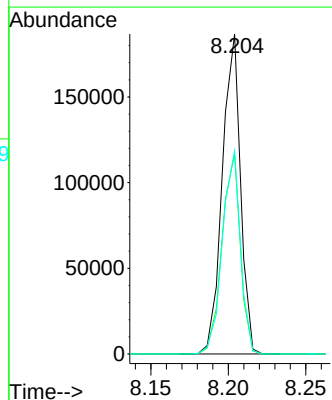
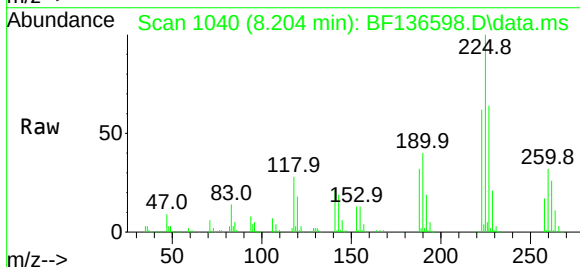
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

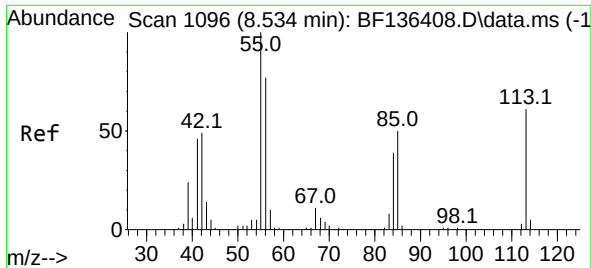


#34
Hexachlorobutadiene
Concen: 43.096 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:225 Resp: 152173

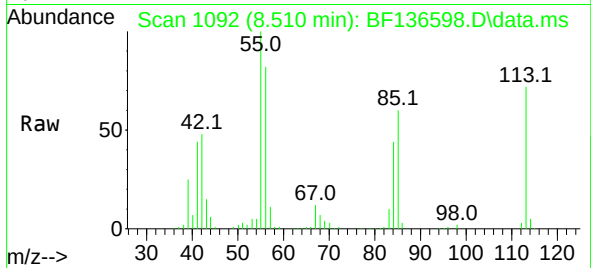
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.8	76.2
227	63.6	49.8	74.8





#35
Caprolactam
Concen: 38.790 ng m
RT: 8.510 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

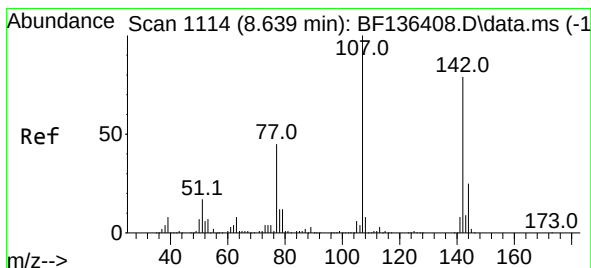
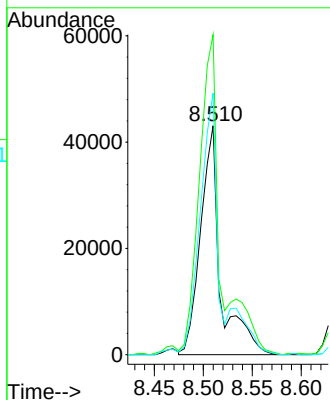
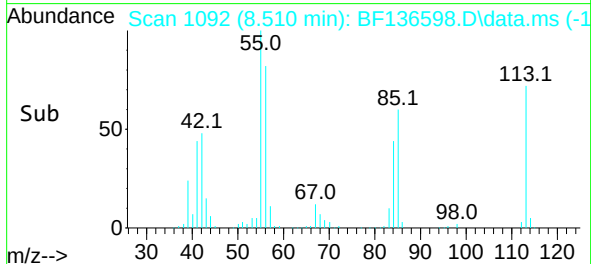
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion:113 Resp: 61035
Ion Ratio Lower Upper
113 100
55 139.8 143.7 183.7
56 114.3 105.2 145.2

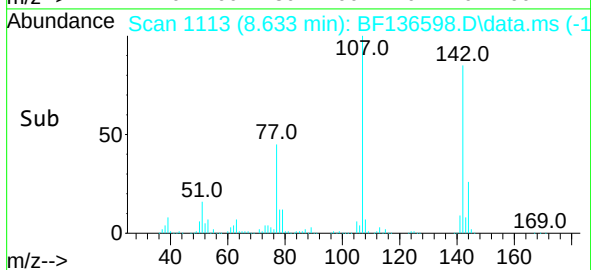
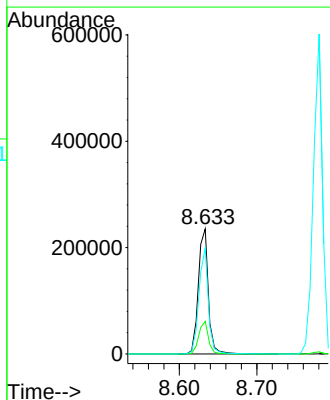
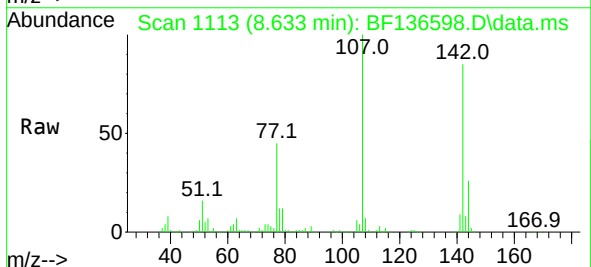
Manual Integrations
APPROVED

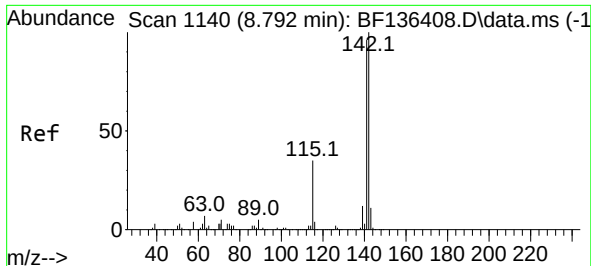
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#36
4-Chloro-3-methylphenol
Concen: 38.843 ng
RT: 8.633 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:107 Resp: 210733
Ion Ratio Lower Upper
107 100
144 26.2 20.1 30.1
142 84.7 63.1 94.7





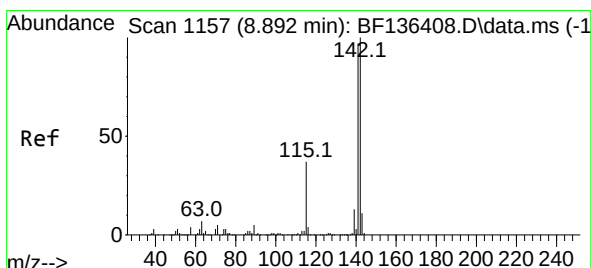
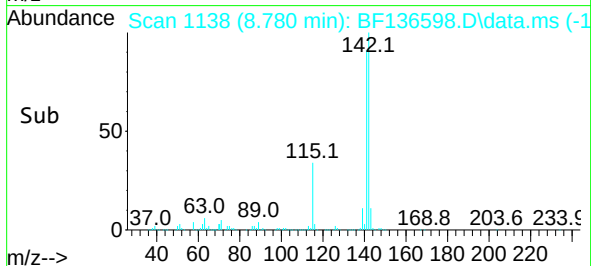
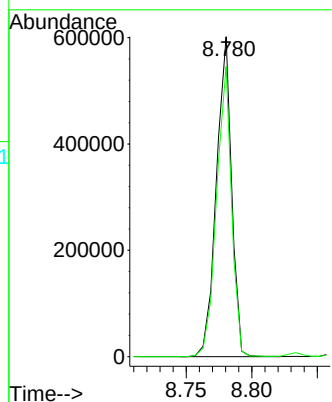
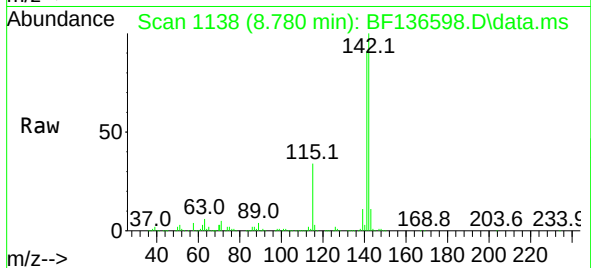
#37
2-Methylnaphthalene
Concen: 40.398 ng
RT: 8.780 min Scan# 1140
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:142 Resp: 486372
Ion Ratio Lower Upper
142 100
141 90.7 76.4 114.6

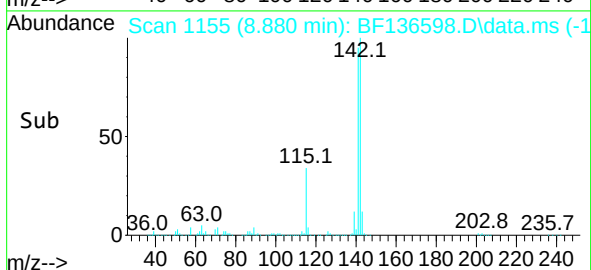
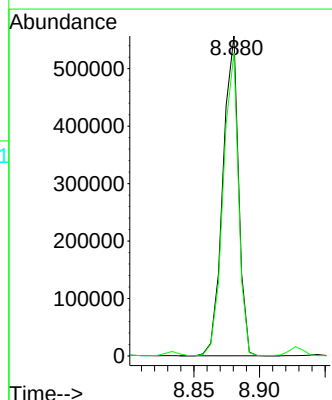
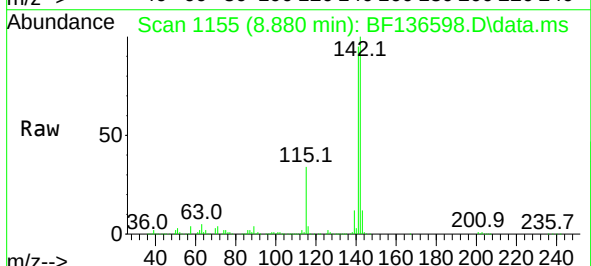
Manual Integrations
APPROVED

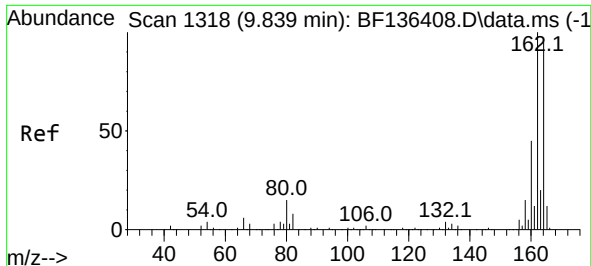
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#38
1-Methylnaphthalene
Concen: 39.116 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:142 Resp: 462116
Ion Ratio Lower Upper
142 100
141 94.8 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF136598.D

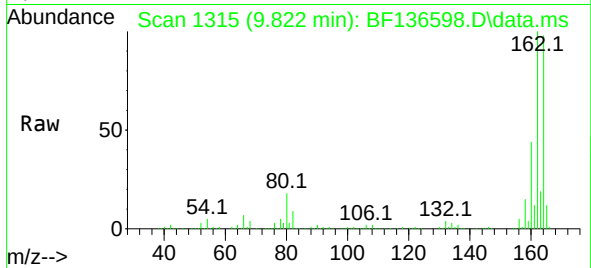
Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD



Tgt Ion:164 Resp: 150370

Ion Ratio Lower Upper

164 100

162 101.8 84.4 126.6

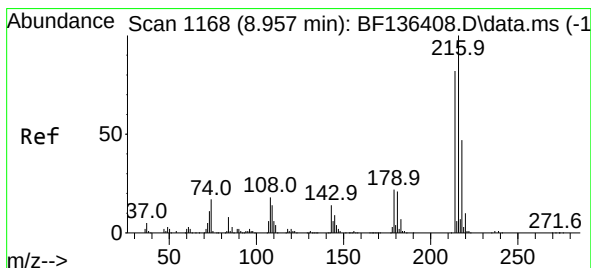
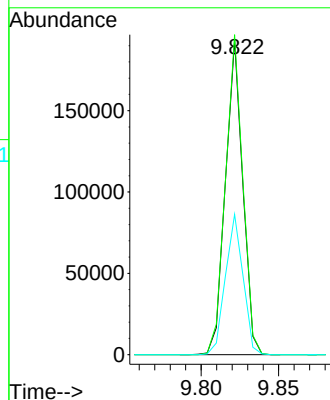
160 44.6 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.926 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Tgt Ion:216 Resp: 238242

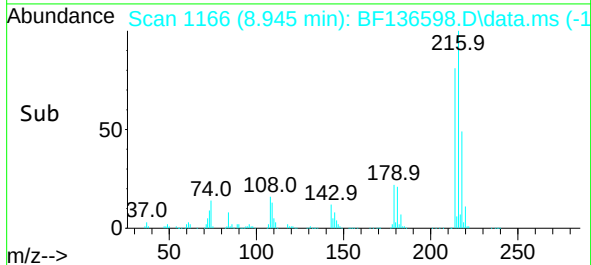
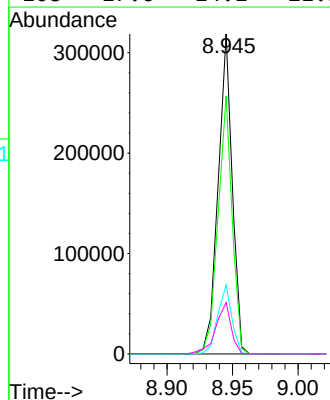
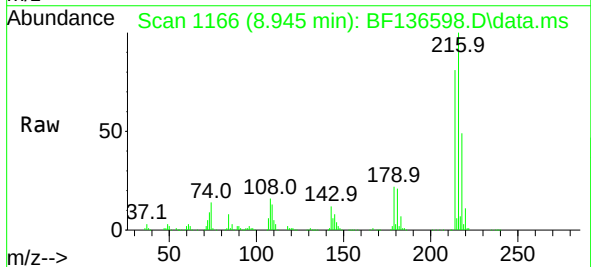
Ion Ratio Lower Upper

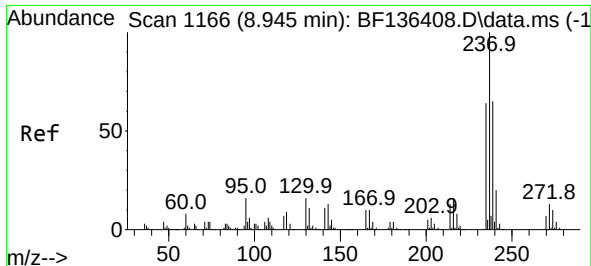
216 100

214 80.4 64.1 96.1

179 21.6 17.0 25.6

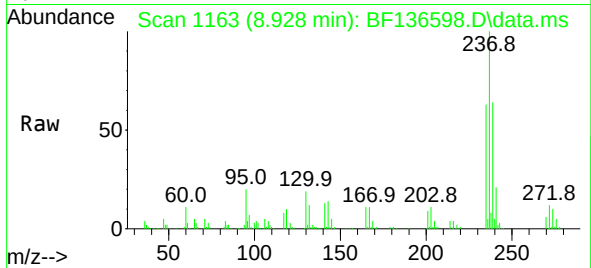
108 17.6 14.1 21.1





#41
Hexachlorocyclopentadiene
Concen: 60.346 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

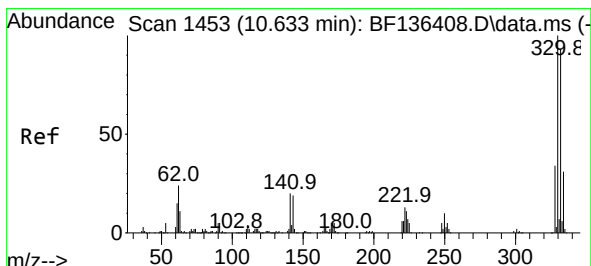
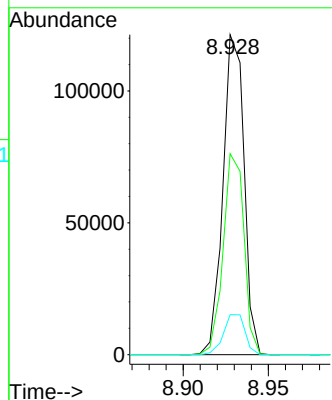
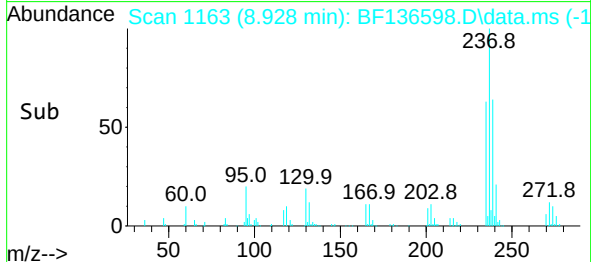
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



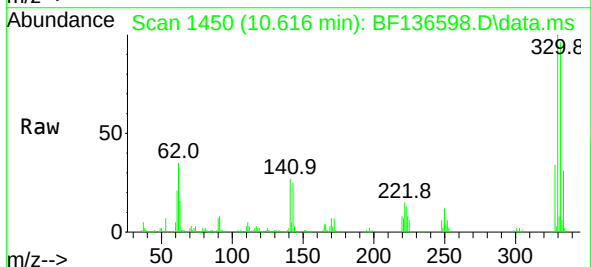
Tgt Ion: 237 Resp: 104590
Ion Ratio Lower Upper
237 100
235 62.8 44.1 84.1
272 12.5 0.0 33.3

Manual Integrations
APPROVED

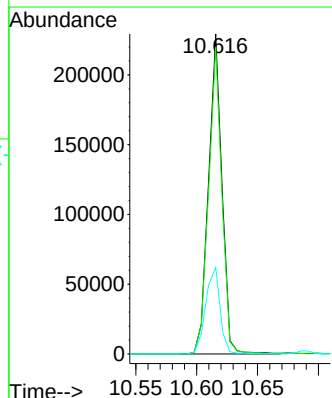
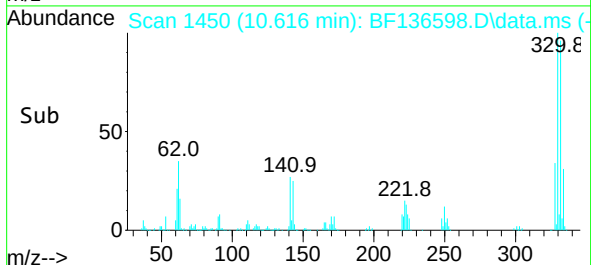
Reviewed By : Yogesh Patel 12/16/2023
Supervised By : mohammad ahmed 12/16/2023

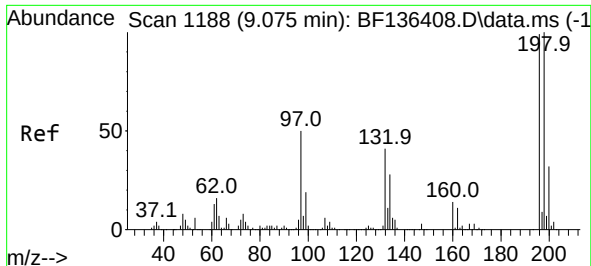


#42
2,4,6-Tribromophenol
Concen: 94.776 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



Tgt Ion: 330 Resp: 175722
Ion Ratio Lower Upper
330 100
332 94.9 76.4 114.6
141 29.2 23.4 35.2





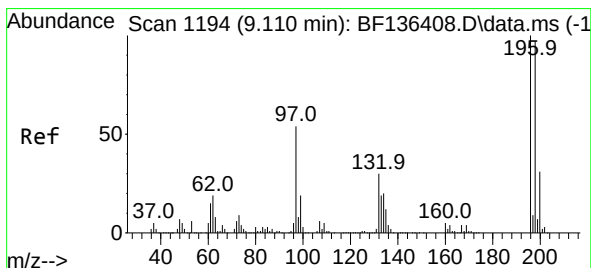
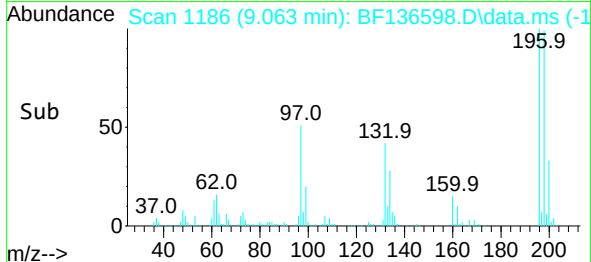
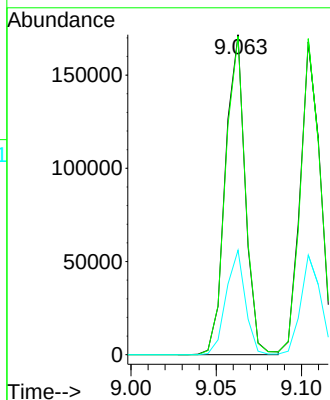
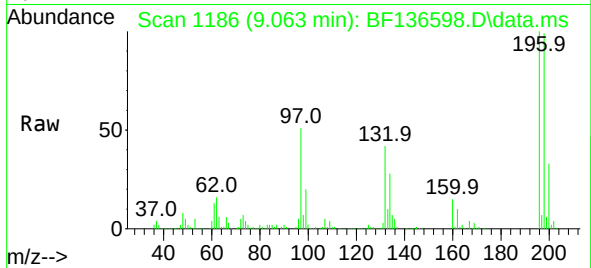
#43
2,4,6-Trichlorophenol
Concen: 45.636 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:196 Resp: 139012
Ion Ratio Lower Upper
196 100
198 99.5 80.4 120.6
200 32.7 25.9 38.9

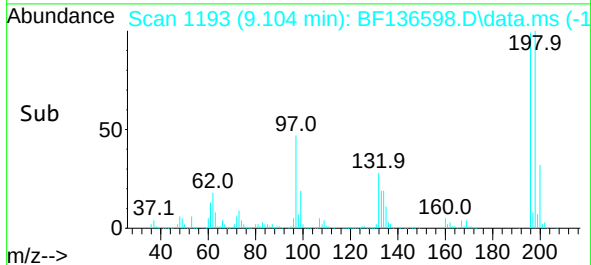
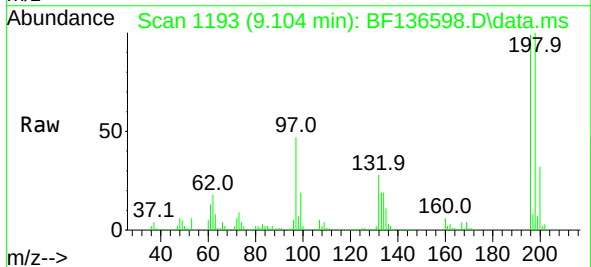
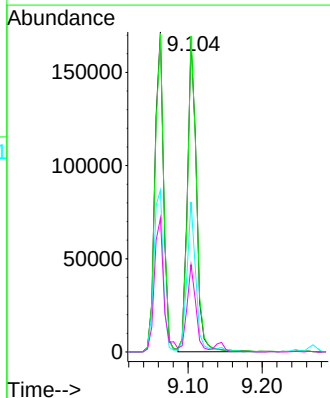
Manual Integrations
APPROVED

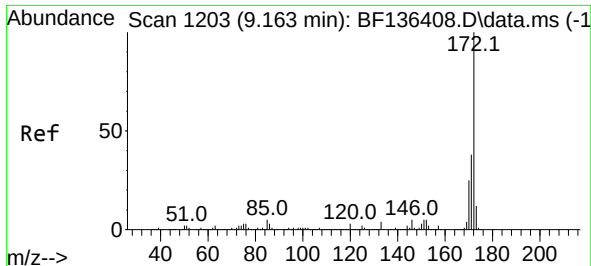
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#44
2,4,5-Trichlorophenol
Concen: 42.152 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:196 Resp: 143308
Ion Ratio Lower Upper
196 100
198 101.0 78.1 117.1
97 47.9 43.4 65.2
132 27.9 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 79.461 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion:172 Resp: 87567

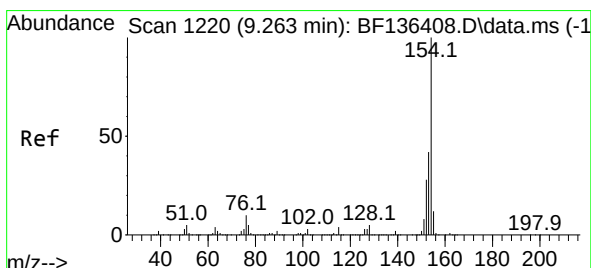
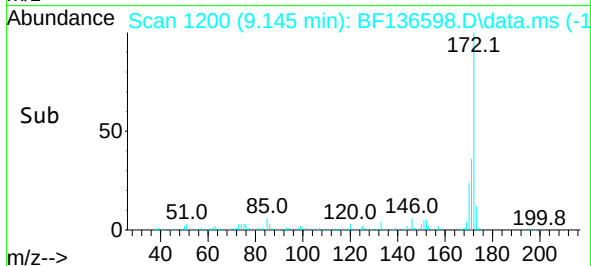
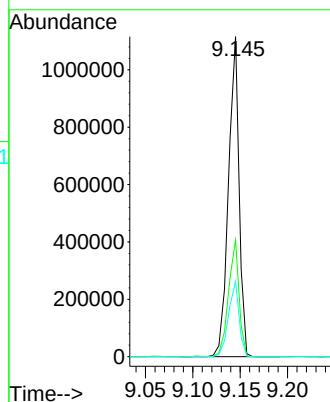
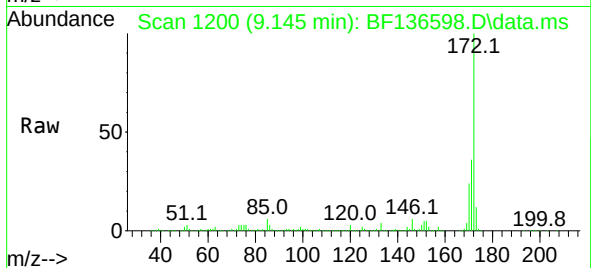
Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	23.6	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#46

1,1'-Biphenyl

Concen: 48.484 ng

RT: 9.245 min Scan# 1217

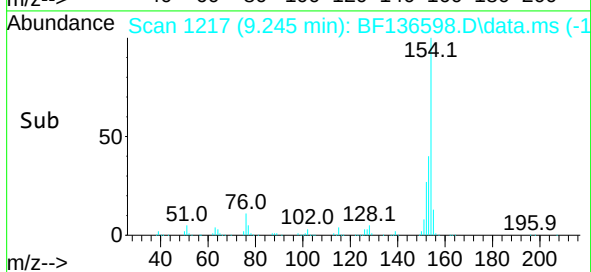
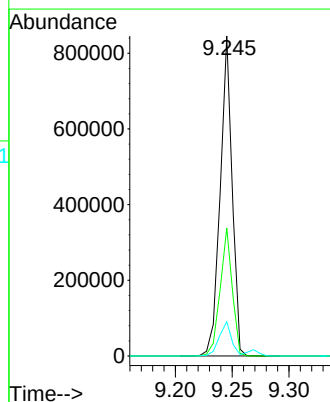
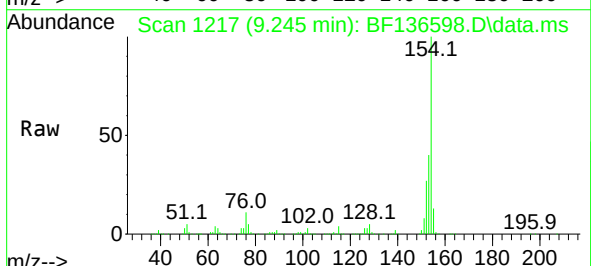
Delta R.T. -0.000 min

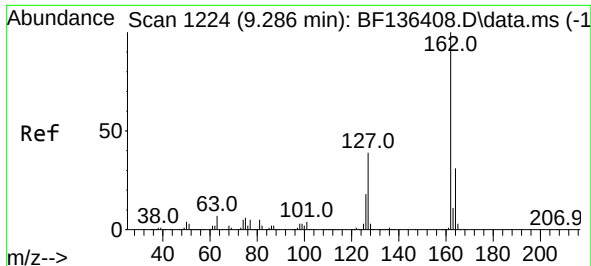
Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Tgt Ion:154 Resp: 620347

Ion	Ratio	Lower	Upper
154	100		
153	40.0	22.5	62.5
76	10.7	0.0	29.9





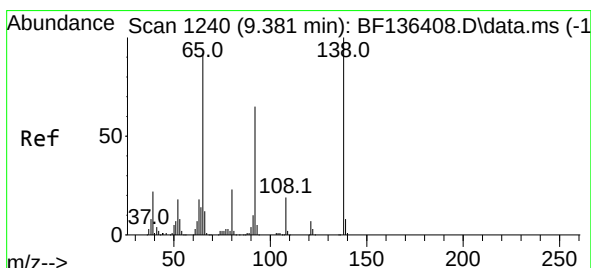
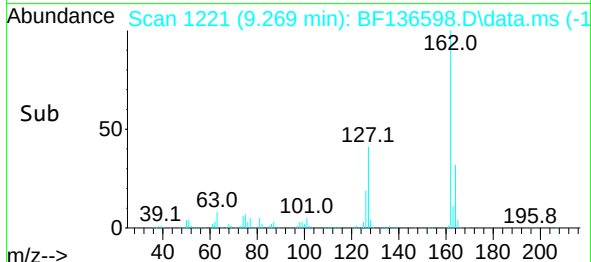
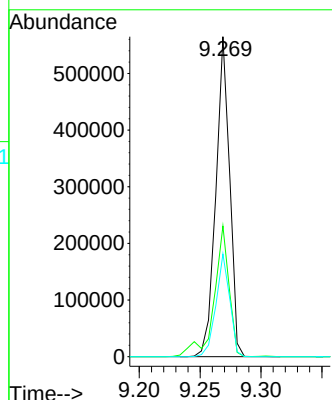
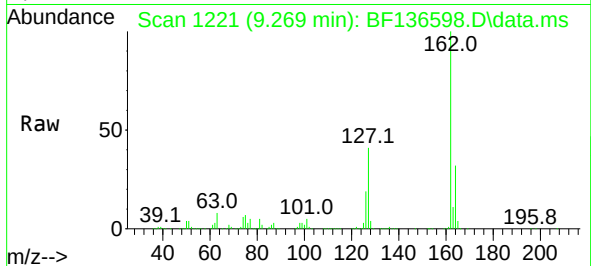
#47
2-Chloronaphthalene
Concen: 44.757 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:162 Resp: 445711
Ion Ratio Lower Upper
162 100
127 40.8 31.1 46.7
164 32.1 24.6 37.0

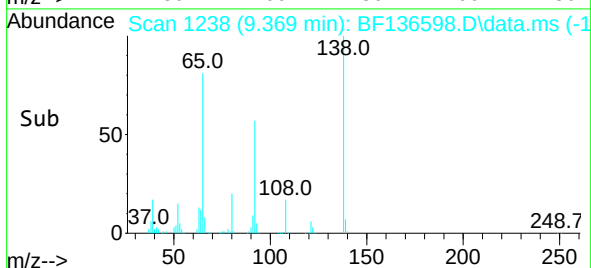
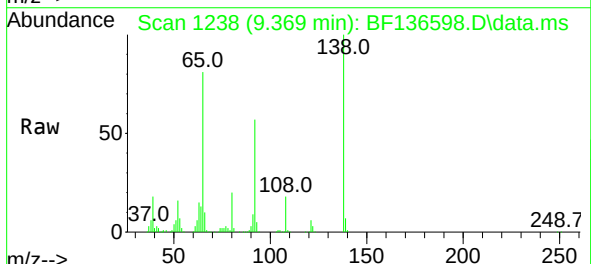
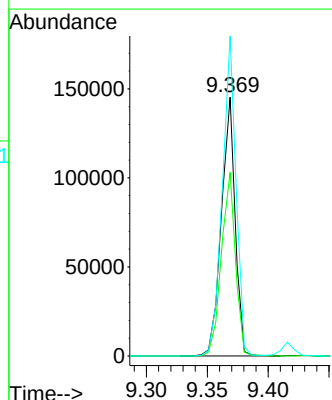
Manual Integrations
APPROVED

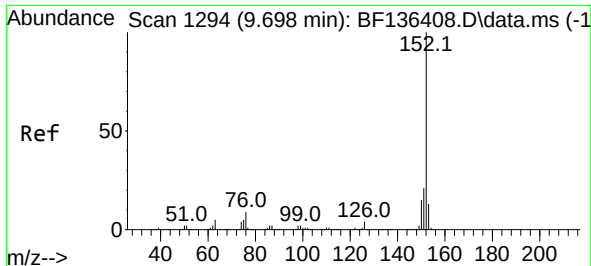
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#48
2-Nitroaniline
Concen: 43.018 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion: 65 Resp: 114898
Ion Ratio Lower Upper
65 100
92 71.0 56.1 84.1
138 123.7 86.7 130.1





#49

Acenaphthylene

Concen: 47.045 ng

RT: 9.686 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

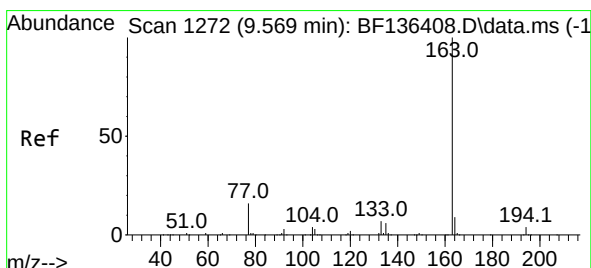
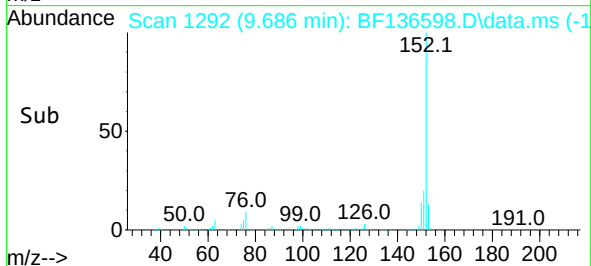
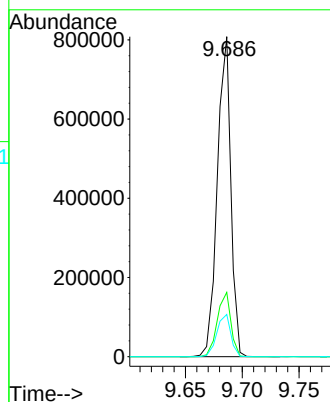
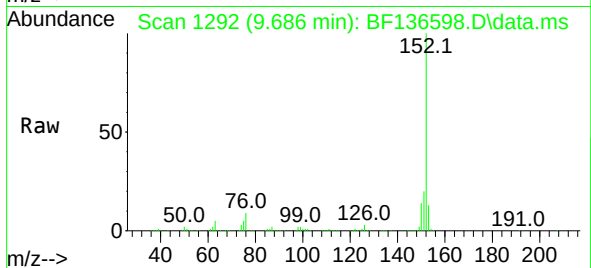
14TH-SOIL-2MSD

Tgt Ion:152 Resp: 667390
 Ion Ratio Lower Upper
 152 100
 151 20.1 17.2 25.8
 153 13.2 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023



#50

Dimethylphthalate

Concen: 46.562 ng

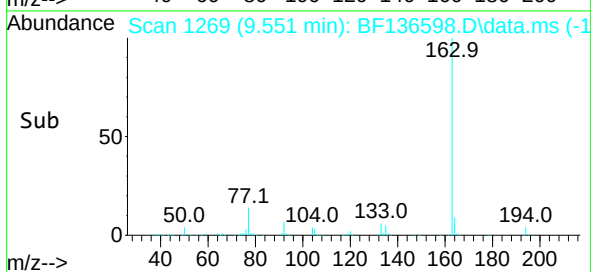
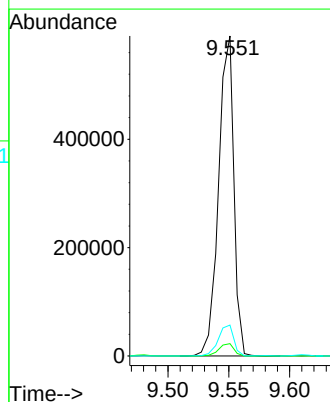
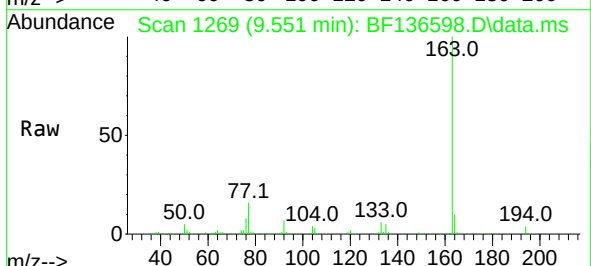
RT: 9.551 min Scan# 1269

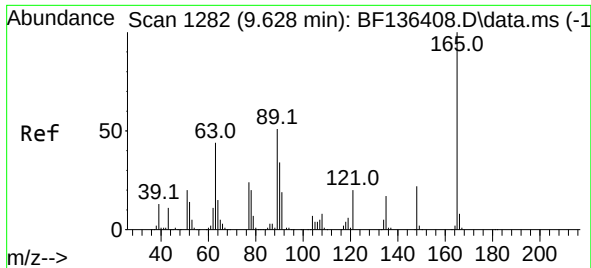
Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Tgt Ion:163 Resp: 515474
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.6
 164 9.7 7.4 11.2





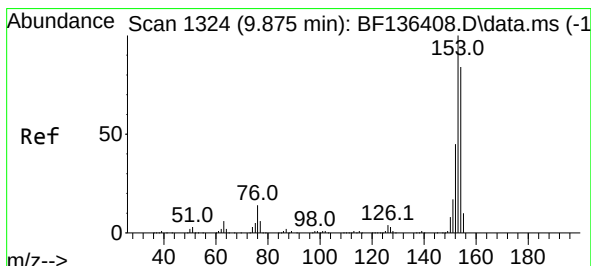
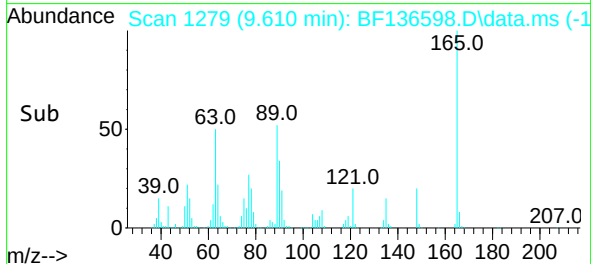
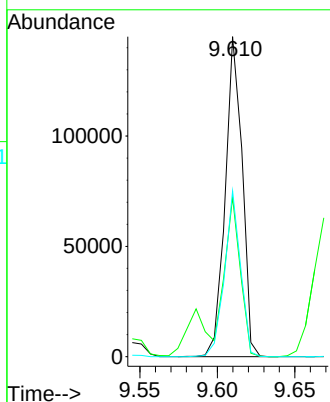
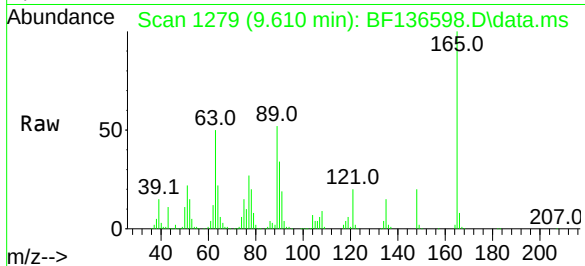
#51
2,6-Dinitrotoluene
Concen: 44.348 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:165 Resp: 11045
Ion Ratio Lower Upper
165 100
63 49.7 40.4 60.6
89 51.8 40.6 60.8

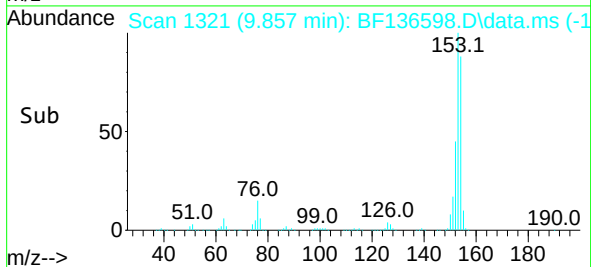
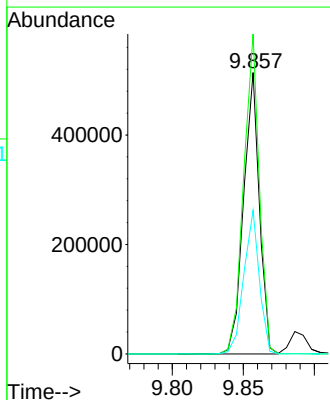
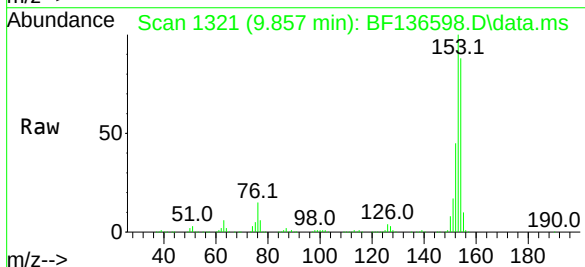
Manual Integrations
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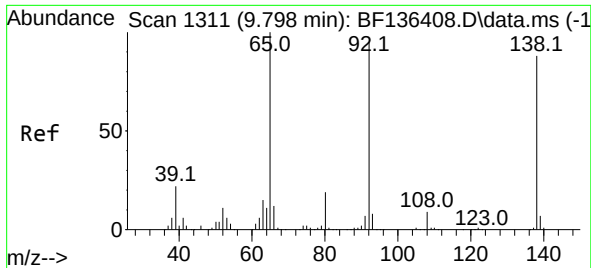
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#52
Acenaphthene
Concen: 43.786 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:154 Resp: 398044
Ion Ratio Lower Upper
154 100
153 113.7 95.3 142.9
152 51.0 43.2 64.8





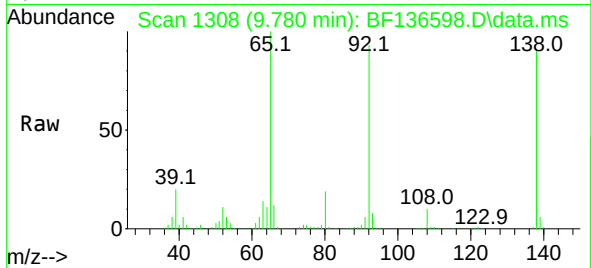
#53
3-Nitroaniline
Concen: 31.075 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

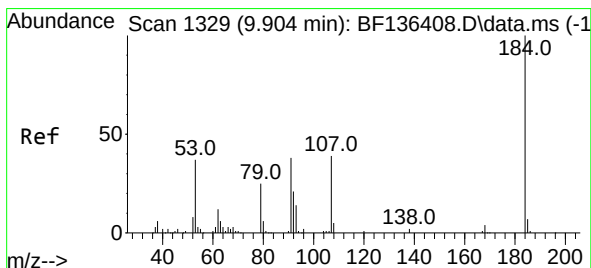
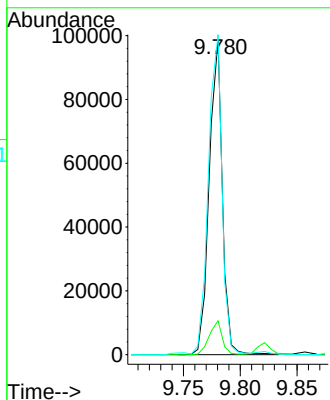
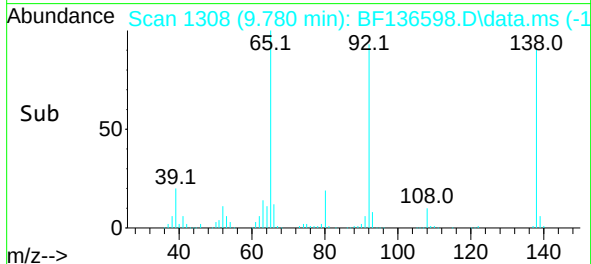
14TH-SOIL-2MSD



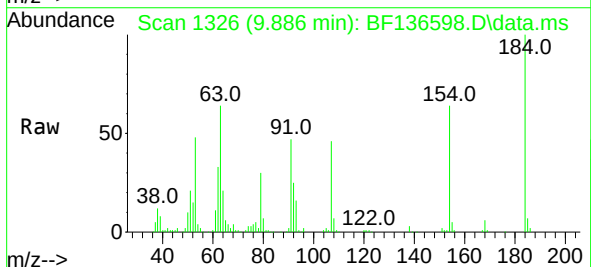
Tgt Ion:138 Resp: 7903
Ion Ratio Lower Upper
138 100
108 10.8 8.5 12.7
92 101.5 86.1 129.1

Manual Integrations
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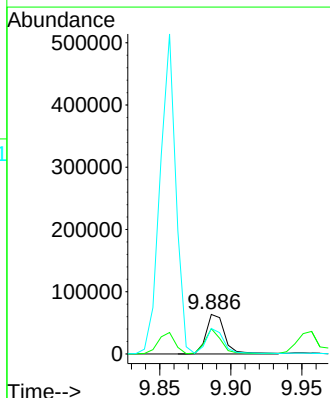
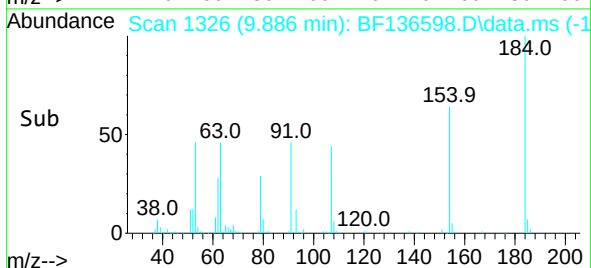
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

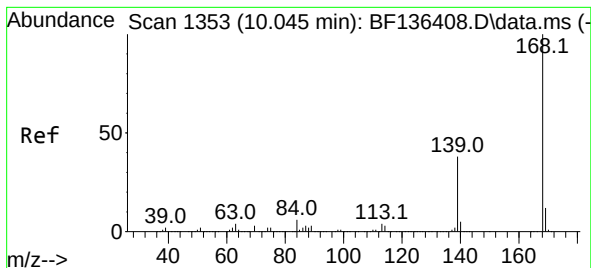


#54
2,4-Dinitrophenol
Concen: 46.384 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



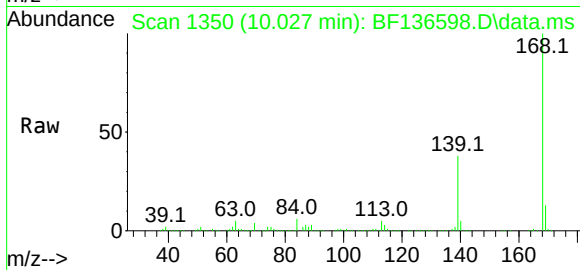
Tgt Ion:184 Resp: 58409
Ion Ratio Lower Upper
184 100
63 63.7 39.1 58.7#
154 64.4 49.9 74.9





#55
Dibenzenofuran
Concen: 43.672 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

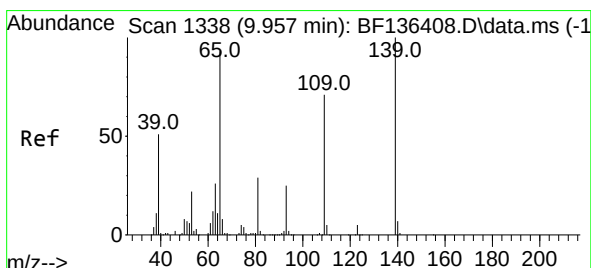
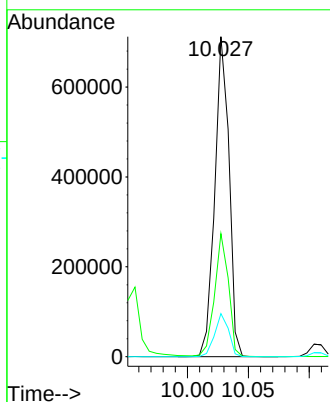
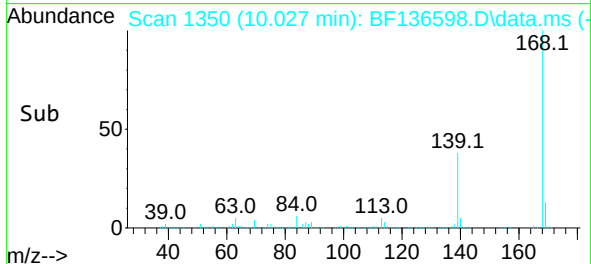
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion:168 Resp: 579974
Ion Ratio Lower Upper
168 100
139 38.5 30.4 45.6
169 13.5 9.9 14.9

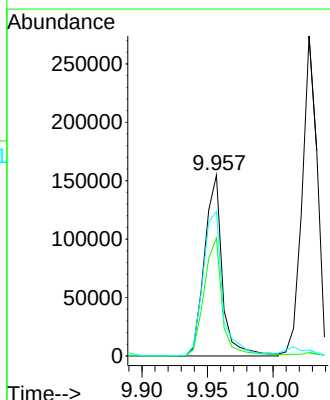
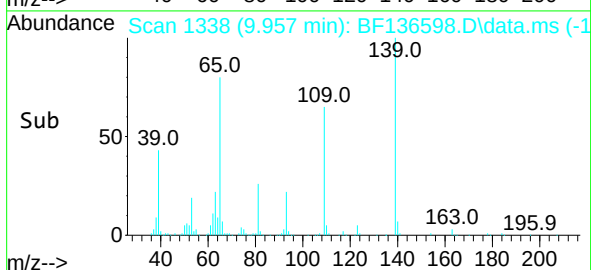
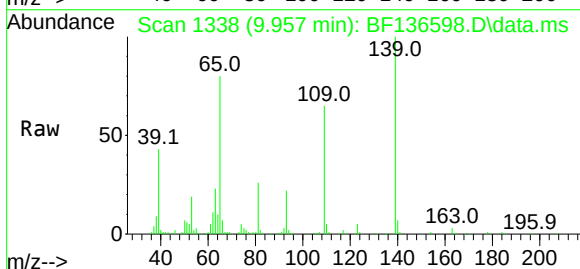
Manual Integrations
APPROVED

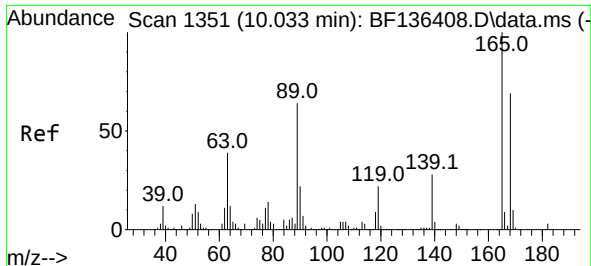
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#56
4-Nitrophenol
Concen: 76.971 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:139 Resp: 146754
Ion Ratio Lower Upper
139 100
109 65.3 50.6 90.6
65 80.0 73.1 113.1





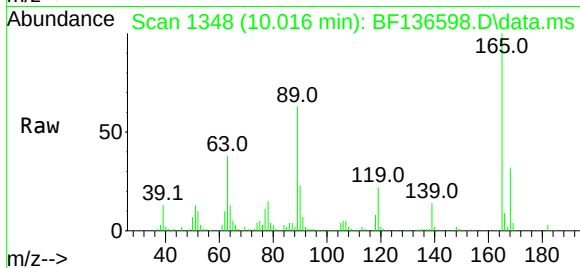
#57
2,4-Dinitrotoluene
Concen: 40.463 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD



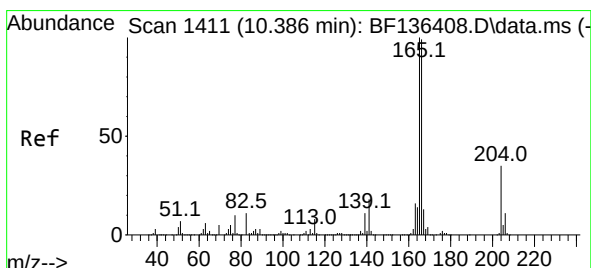
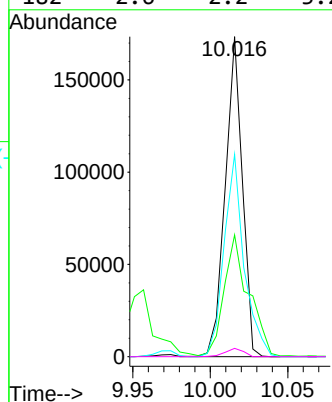
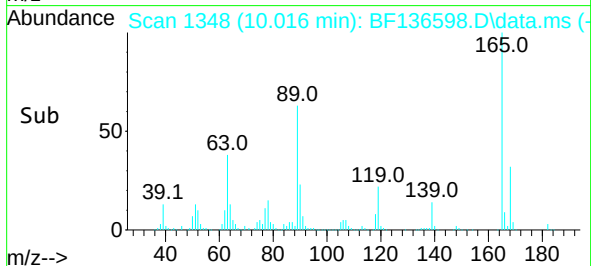
Tgt Ion:165 Resp: 13331
Ion Ratio Lower Upper
165 100
63 38.1 31.4 47.2
89 63.2 51.7 77.5
182 2.6 2.2 3.2

Manual Integrations

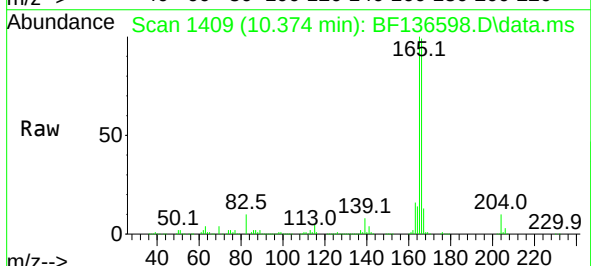
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

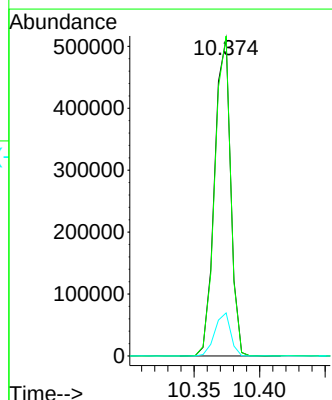
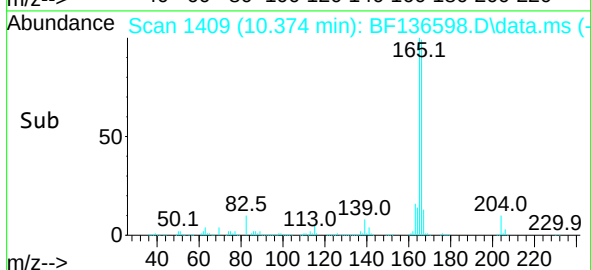
Supervised By :mohammad ahmed 12/16/2023

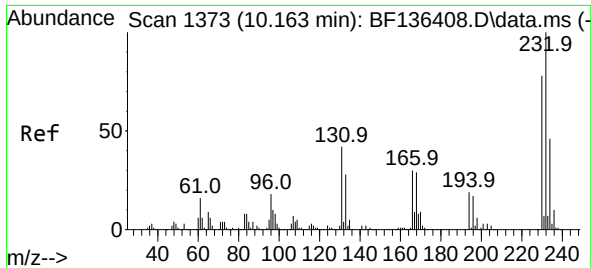


#58
Fluorene
Concen: 41.029 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



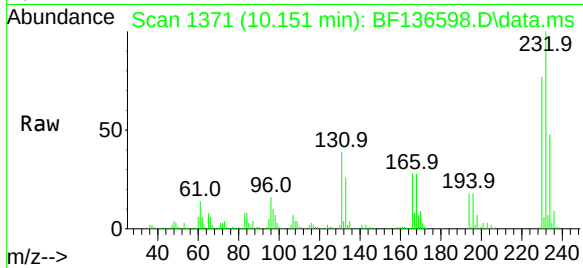
Tgt Ion:166 Resp: 437390
Ion Ratio Lower Upper
166 100
165 100.8 80.5 120.7
167 13.6 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.863 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

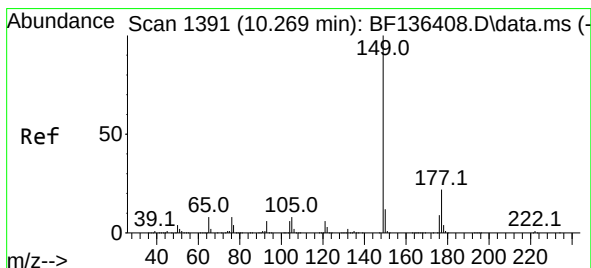
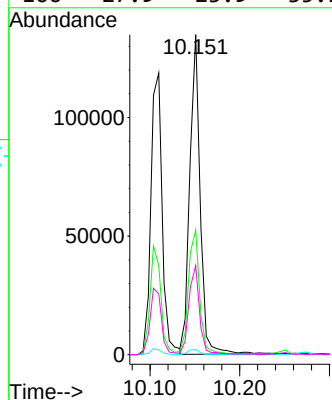
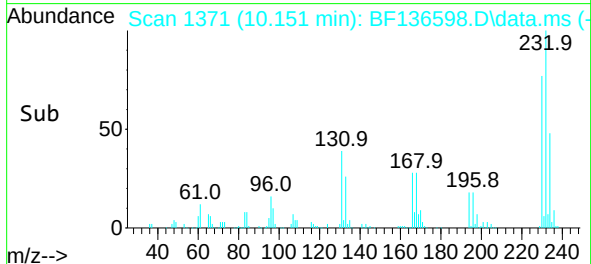
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



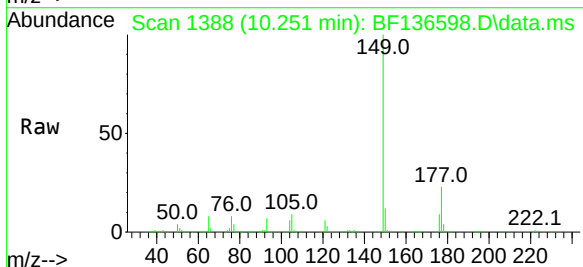
Tgt Ion:232 Resp: 108551
Ion Ratio Lower Upper
232 100
131 42.1 34.3 51.5
130 1.8 1.6 2.4
166 27.9 23.9 35.9

Manual Integrations
APPROVED

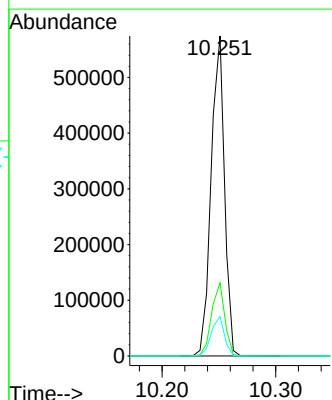
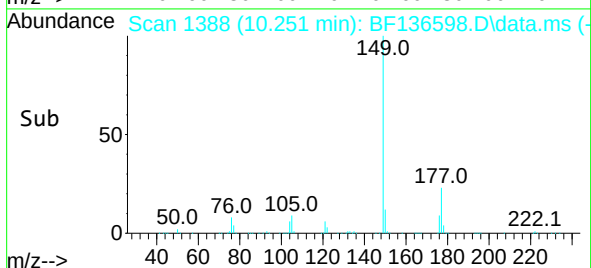
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

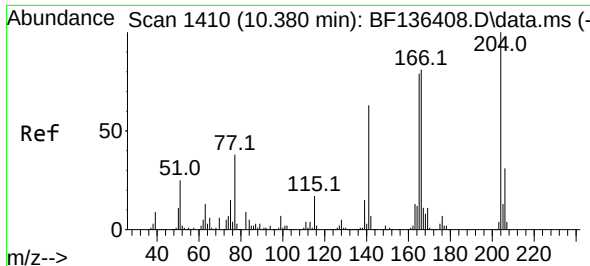


#60
Diethylphthalate
Concen: 42.965 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



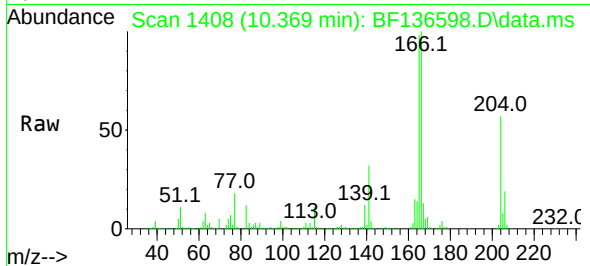
Tgt Ion:149 Resp: 467721
Ion Ratio Lower Upper
149 100
177 22.8 17.8 26.8
150 12.3 9.4 14.0





#61
4-Chlorophenyl-phenylether
Concen: 43.174 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

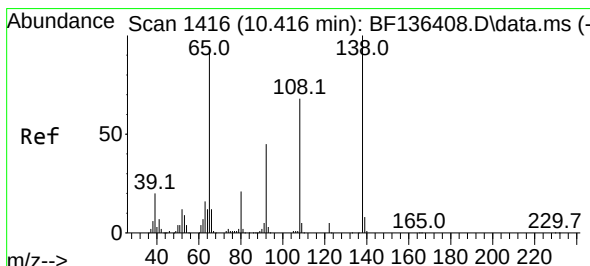
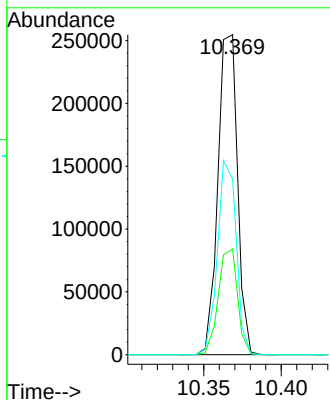
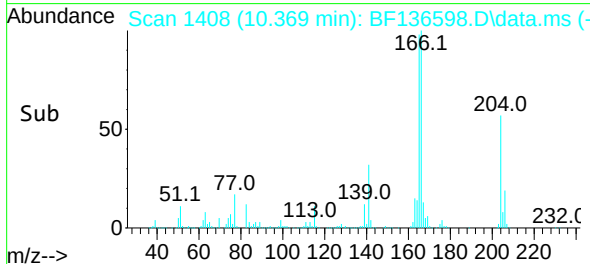
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



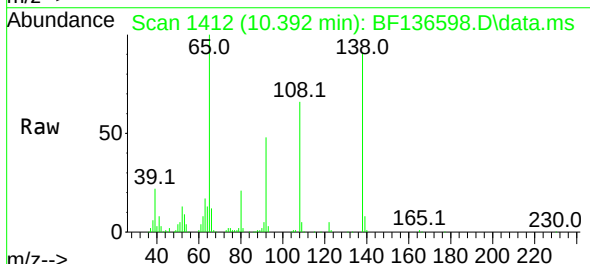
Tgt Ion:204 Resp: 224375
Ion Ratio Lower Upper
204 100
206 33.0 24.6 36.8
141 54.9 50.3 75.5

Manual Integrations
APPROVED

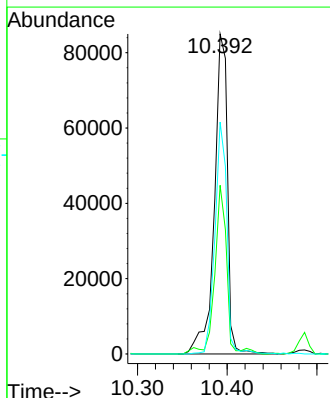
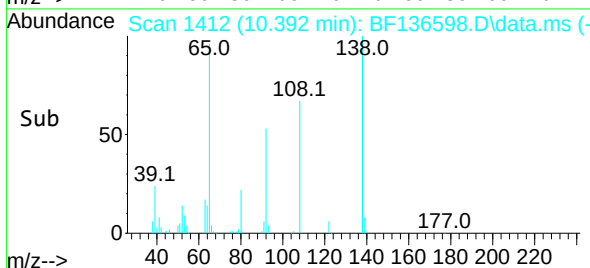
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

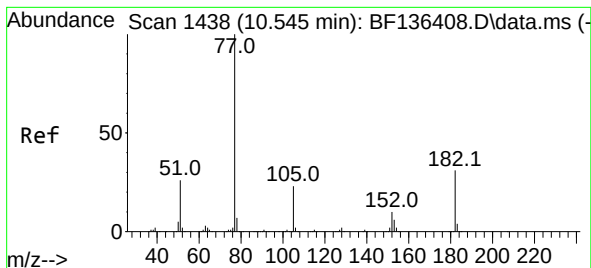


#62
4-Nitroaniline
Concen: 34.172 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



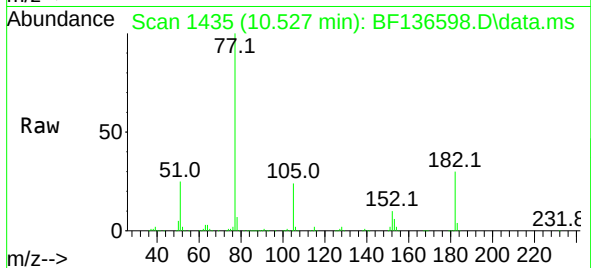
Tgt Ion:138 Resp: 86297
Ion Ratio Lower Upper
138 100
92 52.7 25.0 65.0
108 72.4 47.9 87.9





#63
Azobenzene
Concen: 39.052 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

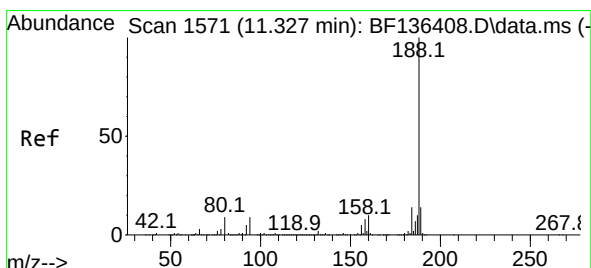
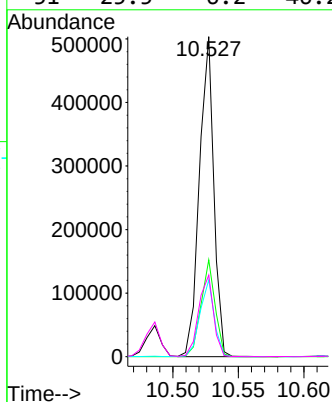
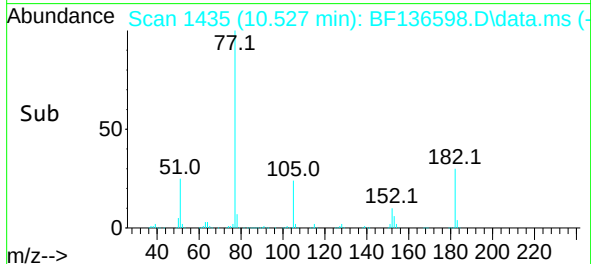
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



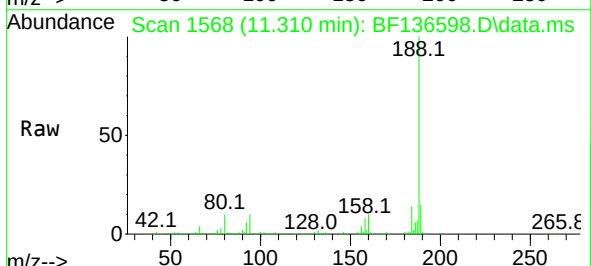
Tgt Ion: 77 Resp: 386954
Ion Ratio Lower Upper
77 100
182 30.2 10.8 50.8
105 24.0 2.6 42.6
51 25.5 6.2 46.2

Manual Integrations
APPROVED

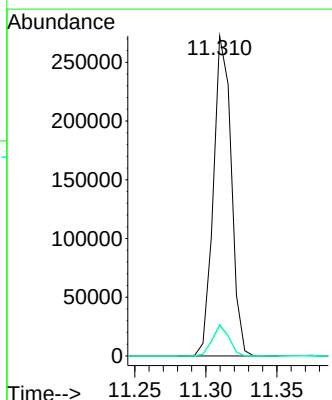
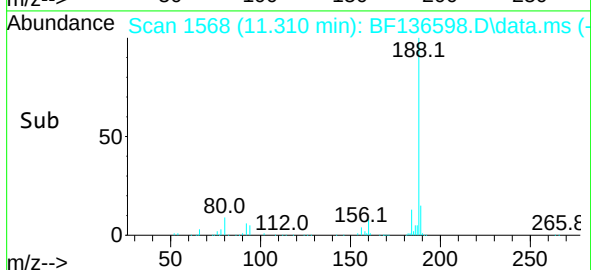
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

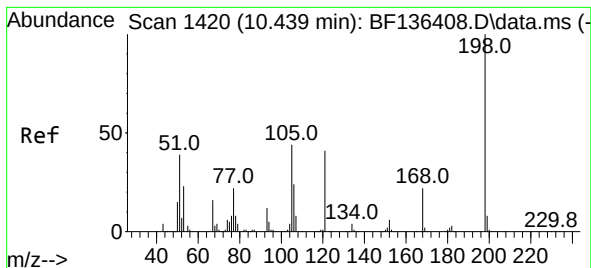


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



Tgt Ion:188 Resp: 237615
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 9.9 7.2 10.8





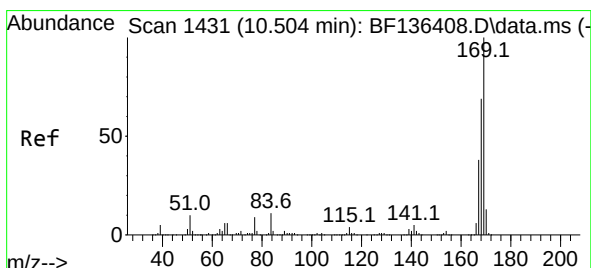
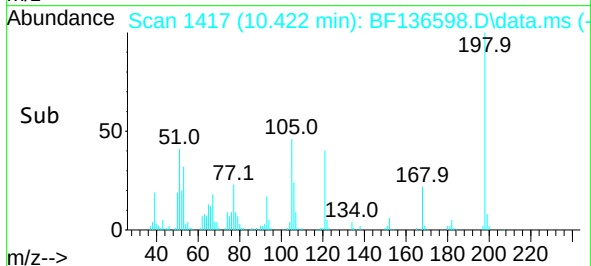
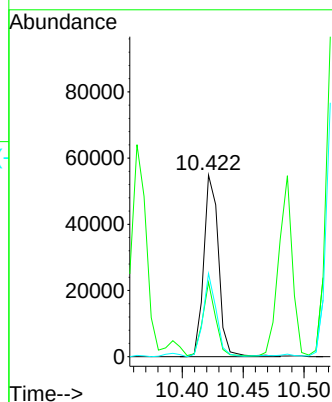
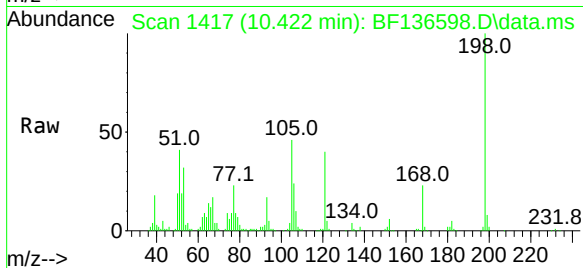
#65
4,6-Dinitro-2-methylphenol
Concen: 31.455 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD

Tgt Ion:198 Resp: 46288
Ion Ratio Lower Upper
198 100
51 41.0 24.1 64.1
105 45.8 24.8 64.8

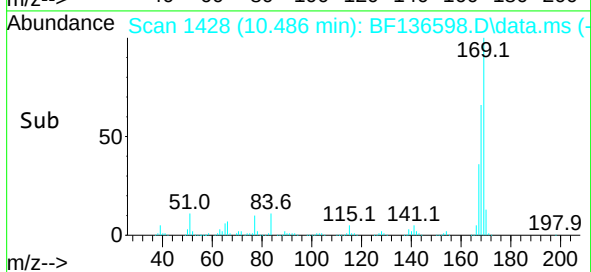
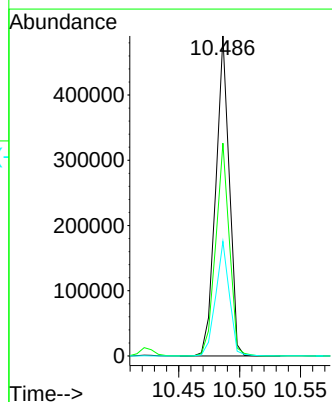
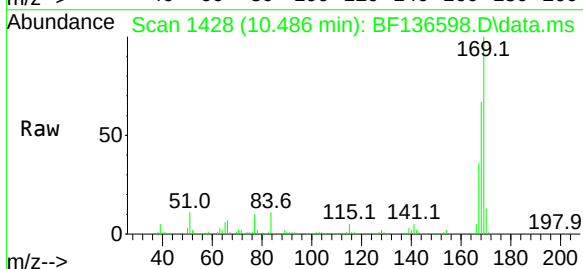
Manual Integrations
APPROVED

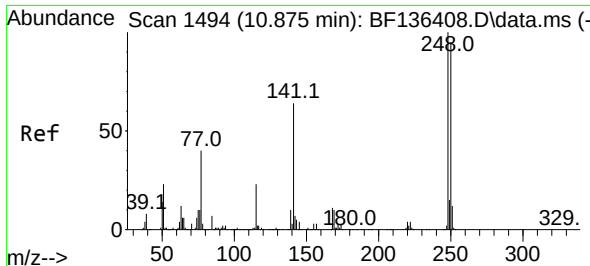
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#66
n-Nitrosodiphenylamine
Concen: 50.143 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

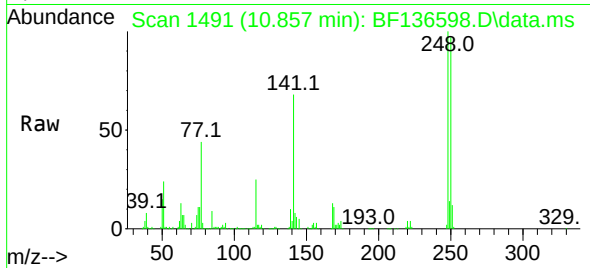
Tgt Ion:169 Resp: 382322
Ion Ratio Lower Upper
169 100
168 66.5 55.3 82.9
167 35.8 30.1 45.1





#67
4-Bromophenyl-phenylether
Concen: 47.832 ng
RT: 10.857 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

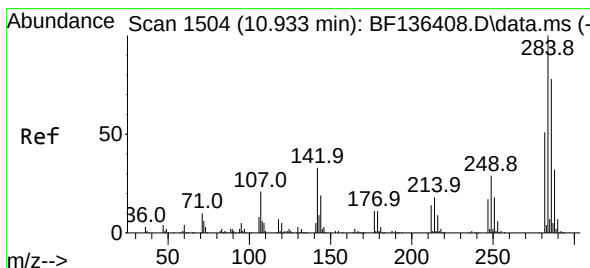
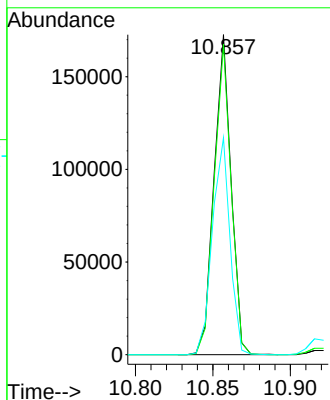
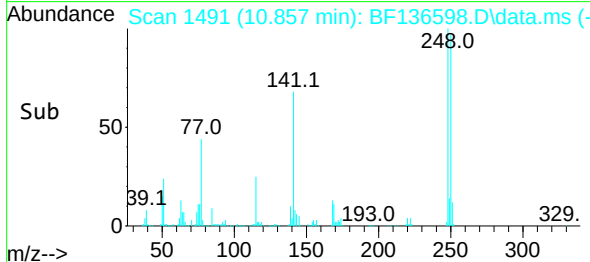
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



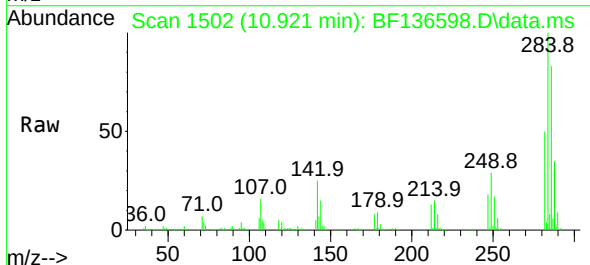
Tgt Ion:248 Resp: 13214
Ion Ratio Lower Upper
248 100
250 97.1 76.2 114.2
141 67.8 51.0 76.4

Manual Integrations
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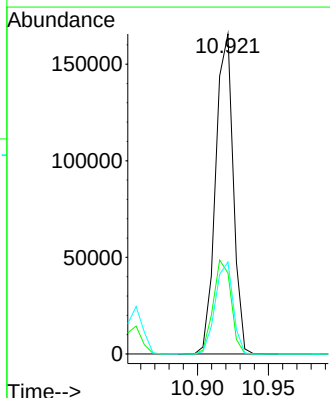
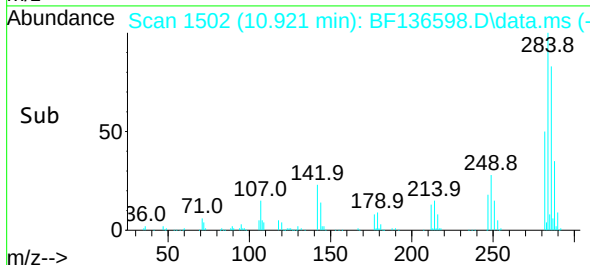
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

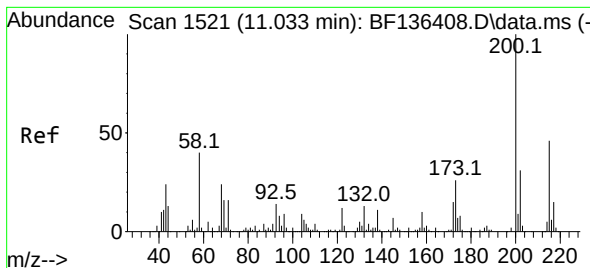


#68
Hexachlorobenzene
Concen: 44.670 ng
RT: 10.921 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00



Tgt Ion:284 Resp: 142631
Ion Ratio Lower Upper
284 100
142 25.3 26.5 39.7#
249 28.7 23.4 35.0





#69

Atrazine

Concen: 58.054 ng

RT: 11.016 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion:200 Resp: 12633

Ion Ratio Lower Upper

200 100

173 27.4 6.0 46.0

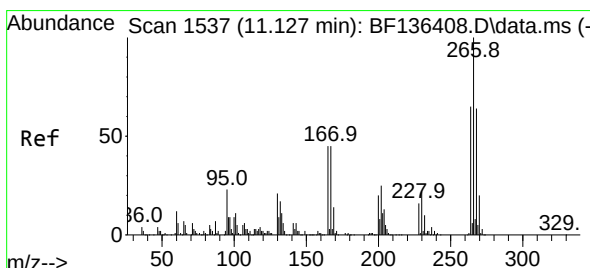
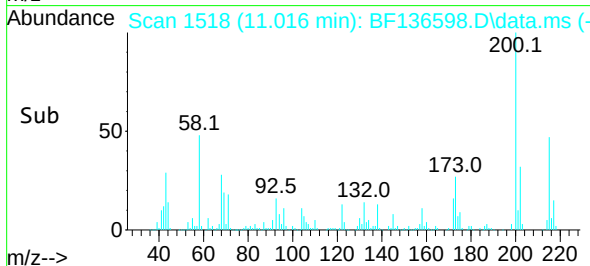
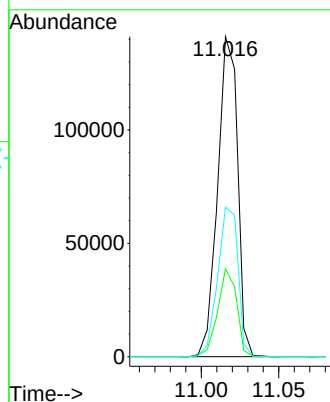
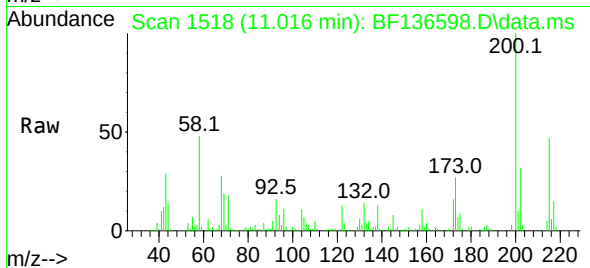
215 46.8 25.5 65.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#70

Pentachlorophenol

Concen: 81.088 ng

RT: 11.121 min Scan# 1536

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

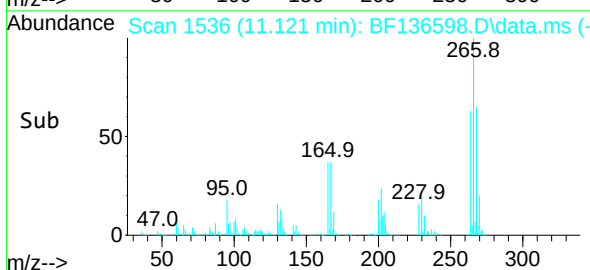
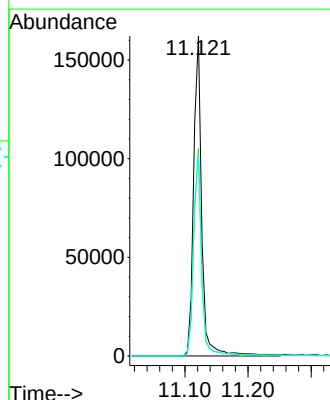
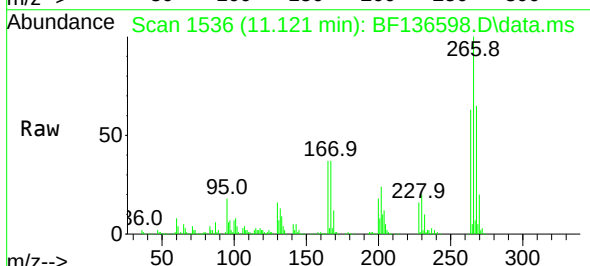
Tgt Ion:266 Resp: 146126

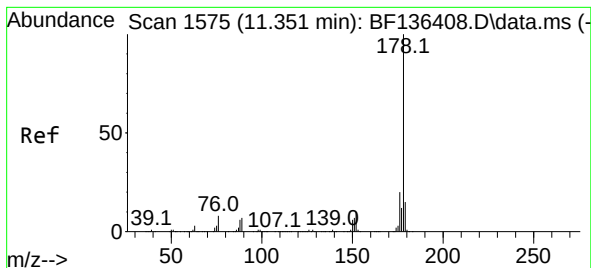
Ion Ratio Lower Upper

266 100

268 64.8 51.0 76.6

264 63.3 52.2 78.4





#71

Phenanthrene

Concen: 46.529 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion:178 Resp: 60768

Ion Ratio Lower Upper

178 100

176 17.9 15.9 23.9

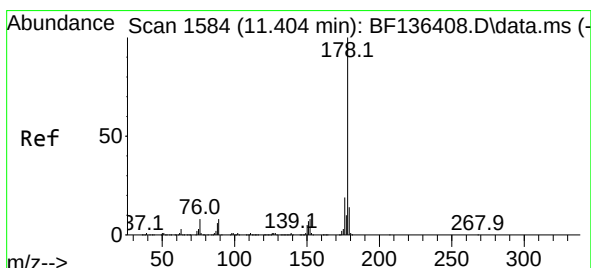
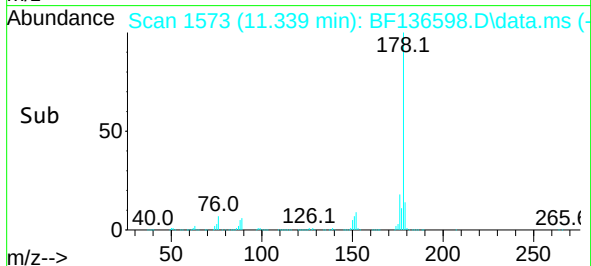
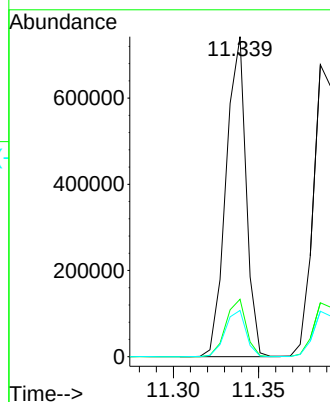
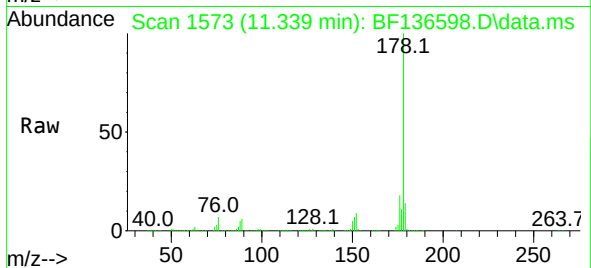
179 14.5 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#72

Anthracene

Concen: 45.570 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

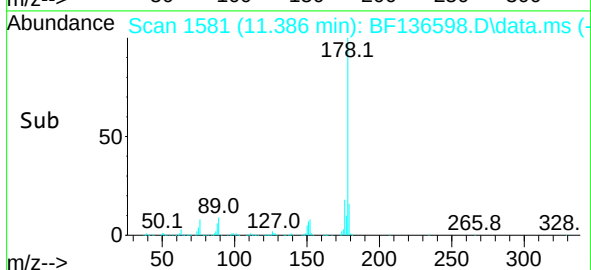
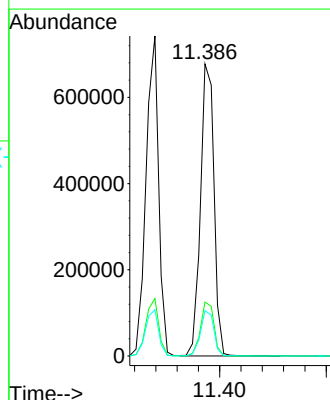
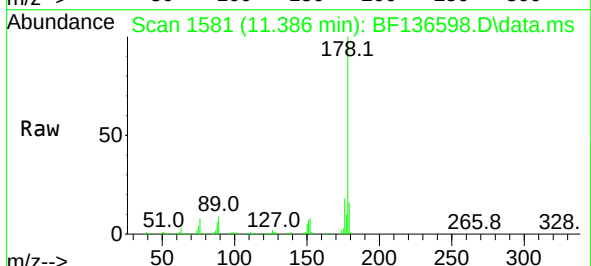
Tgt Ion:178 Resp: 599454

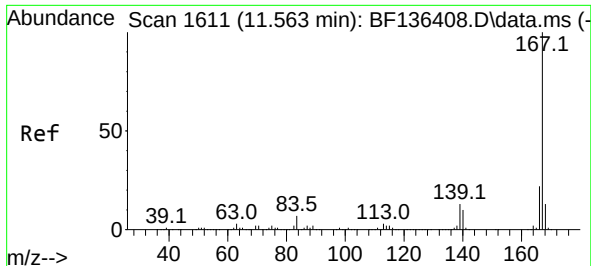
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

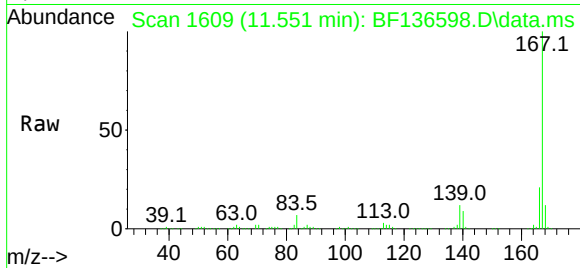
179 15.6 11.4 17.0





#73
 Carbazole
 Concen: 45.485 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF136598.D
 Acq: 15 Dec 2023 18:00

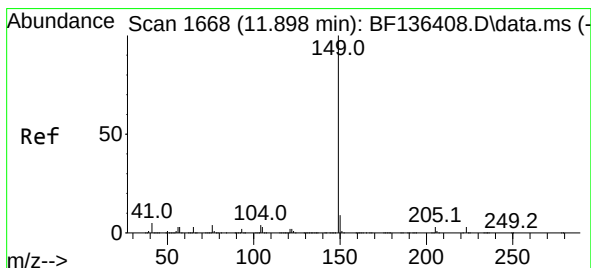
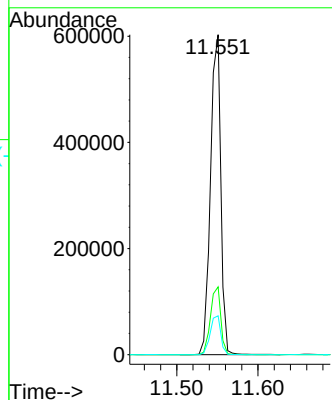
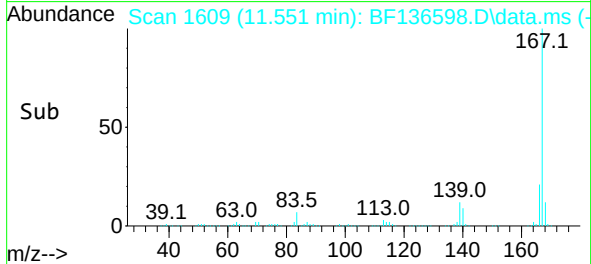
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MSD



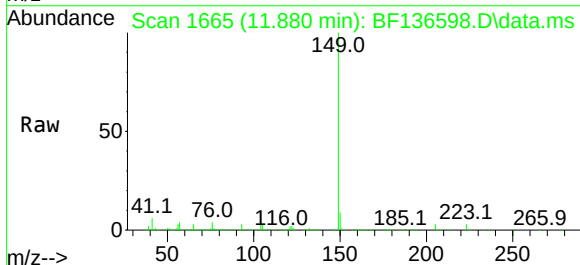
Tgt Ion:167 Resp: 529570
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.0 27.0
 139 12.1 10.2 15.4

Manual Integrations
 APPROVED

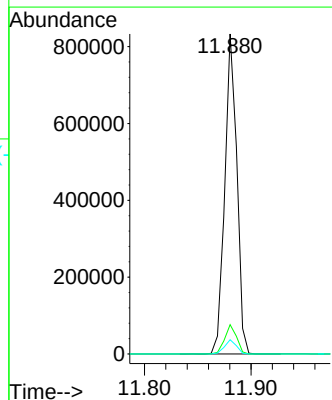
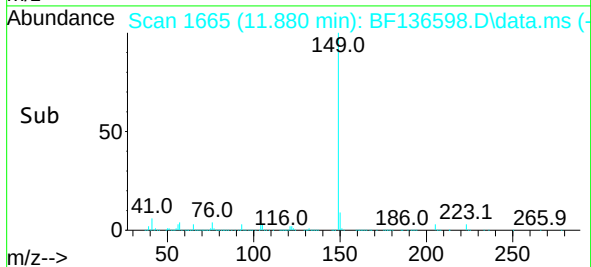
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

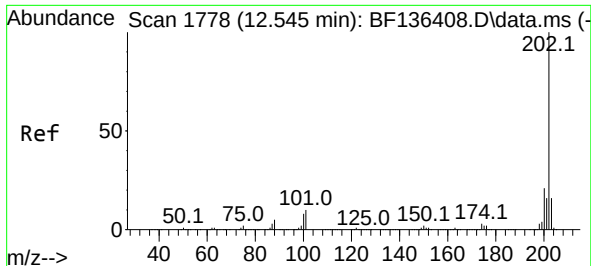


#74
 Di-n-butylphthalate
 Concen: 45.665 ng
 RT: 11.880 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF136598.D
 Acq: 15 Dec 2023 18:00



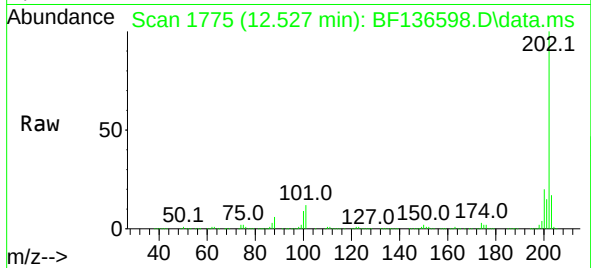
Tgt Ion:149 Resp: 651785
 Ion Ratio Lower Upper
 149 100
 150 9.2 6.9 10.3
 104 4.4 3.5 5.3





#75
Fluoranthene
Concen: 47.764 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

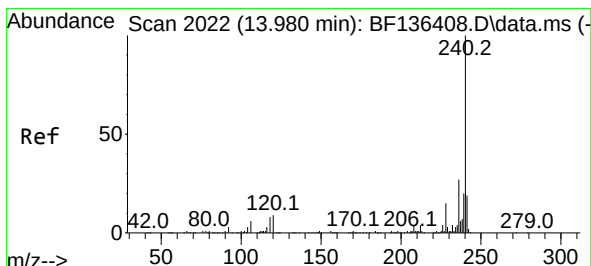
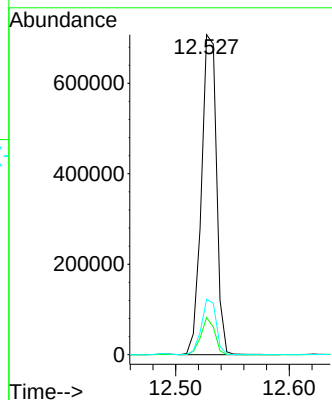
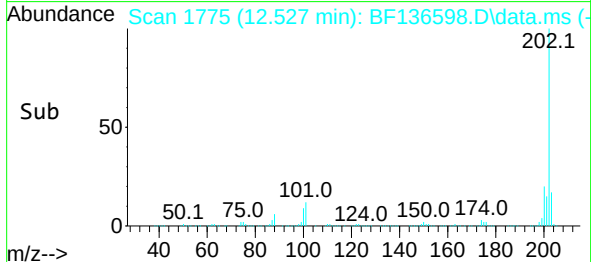
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion:202 Resp: 65373
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.9
203 17.3 0.0 36.3

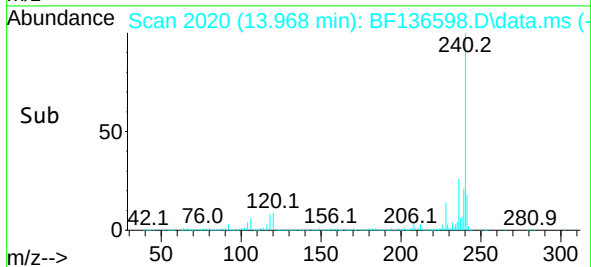
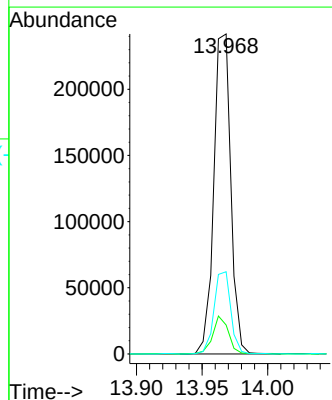
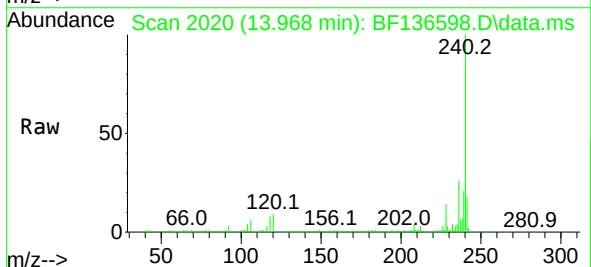
Manual Integrations
APPROVED

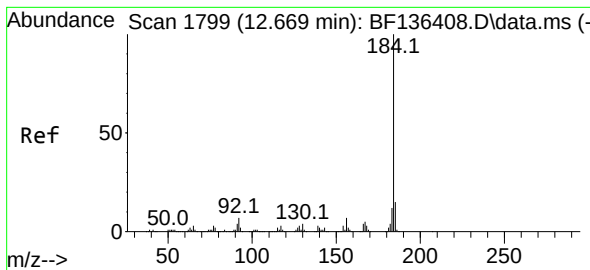
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:240 Resp: 217879
Ion Ratio Lower Upper
240 100
120 9.1 7.3 10.9
236 25.7 21.3 31.9





#77

Benzidine

Concen: 41.769 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion:184 Resp: 213630

Ion Ratio Lower Upper

184 100

185 14.1 12.0 18.0

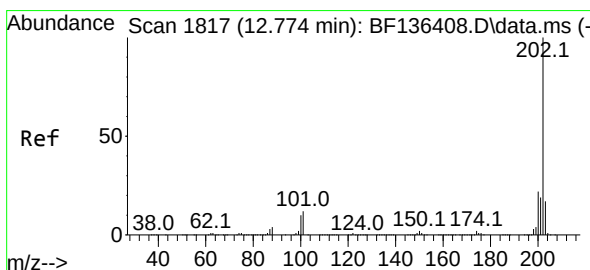
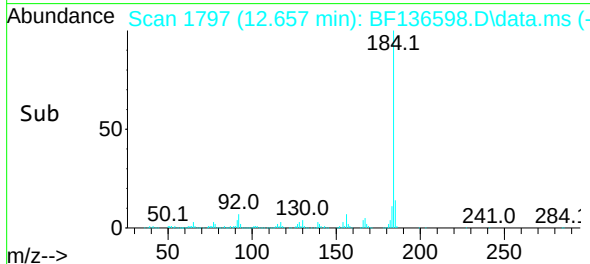
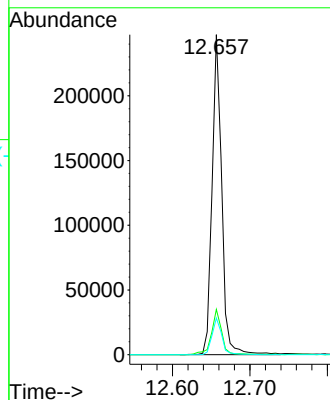
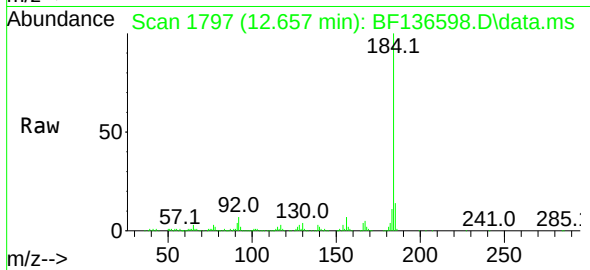
183 11.5 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#78

Pyrene

Concen: 31.862 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

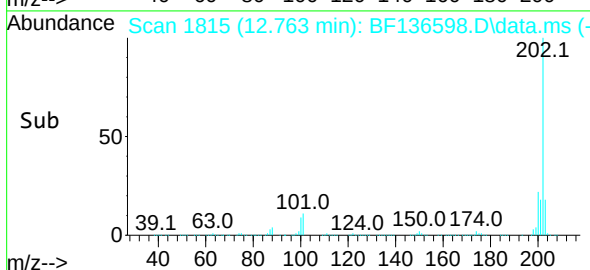
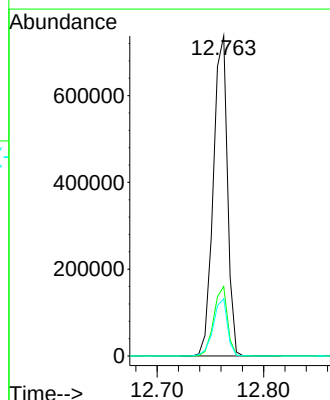
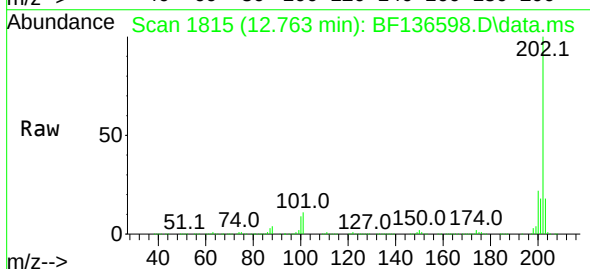
Tgt Ion:202 Resp: 679886

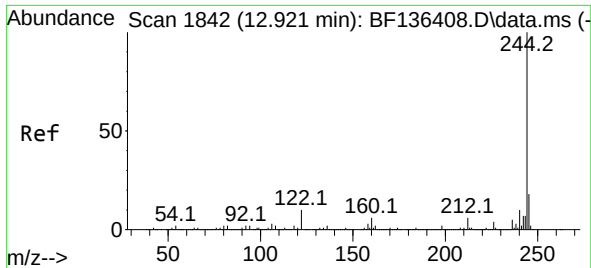
Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

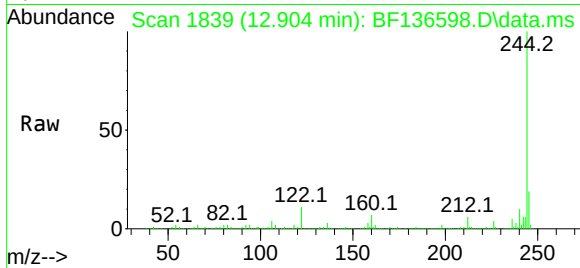
203 17.9 13.5 20.3





#79
 Terphenyl-d14
 Concen: 49.764 ng
 RT: 12.904 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136598.D
 Acq: 15 Dec 2023 18:00

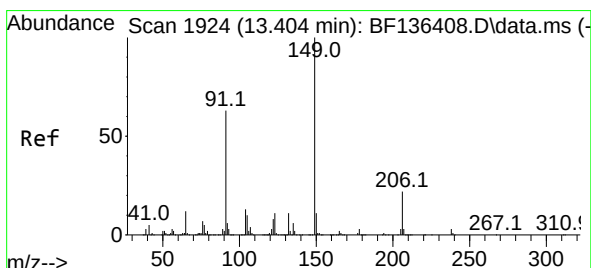
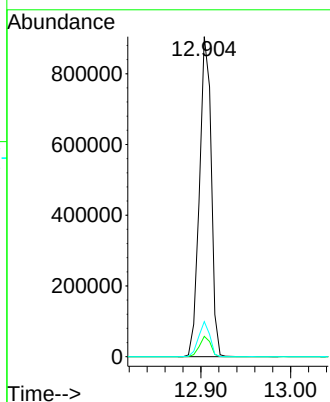
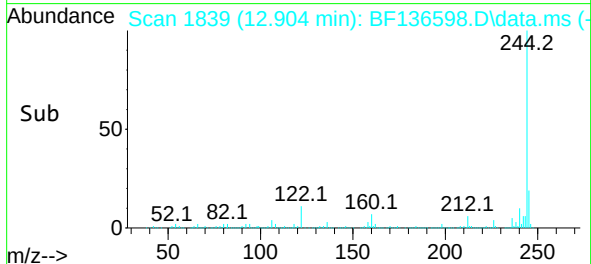
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MSD



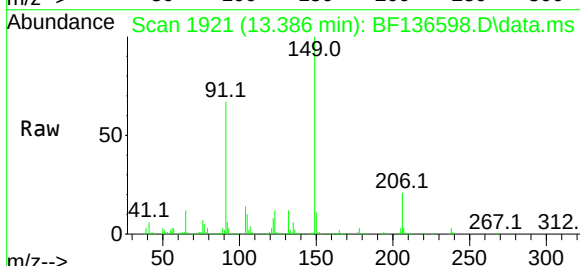
Tgt Ion:244 Resp: 822625
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 11.0 8.3 12.5

Manual Integrations
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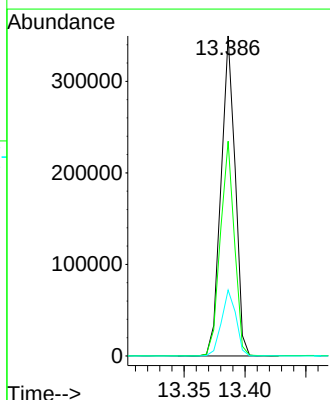
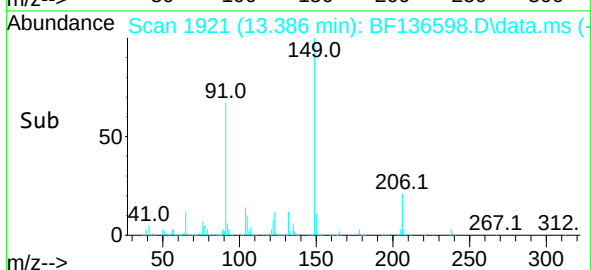
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

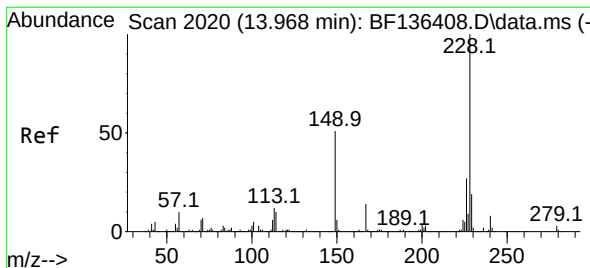


#80
 Butylbenzylphthalate
 Concen: 37.274 ng
 RT: 13.386 min Scan# 1921
 Delta R.T. -0.000 min
 Lab File: BF136598.D
 Acq: 15 Dec 2023 18:00



Tgt Ion:149 Resp: 283131
 Ion Ratio Lower Upper
 149 100
 91 67.1 50.5 75.7
 206 20.6 17.4 26.2





#81

Benzo(a)anthracene

Concen: 45.789 ng

RT: 13.957 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion:228 Resp: 69492

Ion Ratio Lower Upper

228 100

226 26.3 21.8 32.8

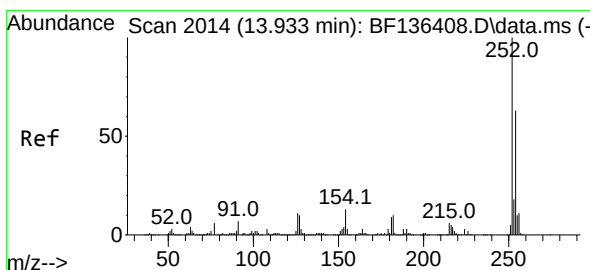
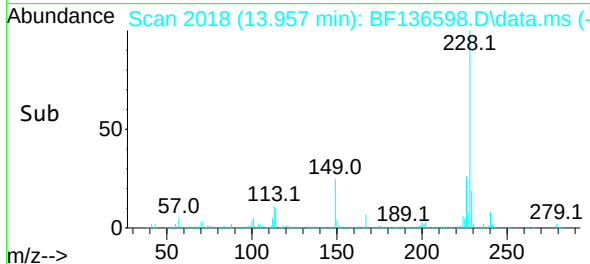
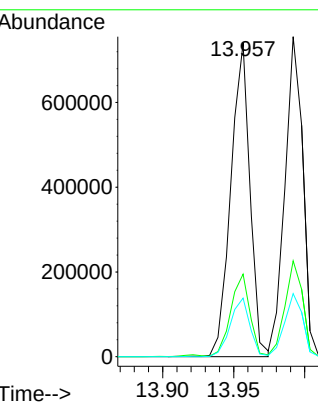
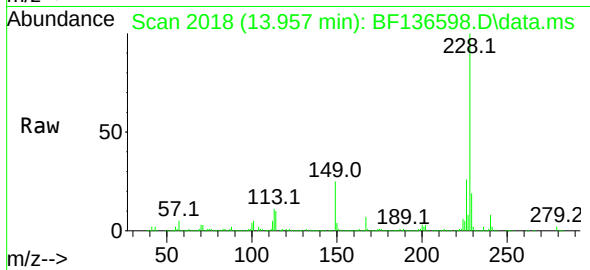
229 18.7 15.0 22.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#82

3,3'-Dichlorobenzidine

Concen: 49.558 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

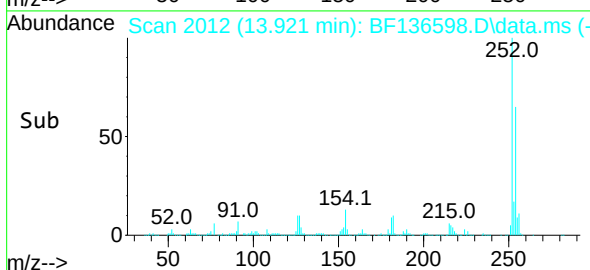
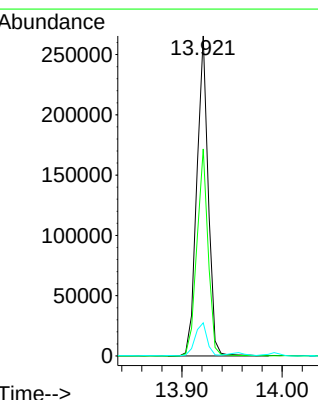
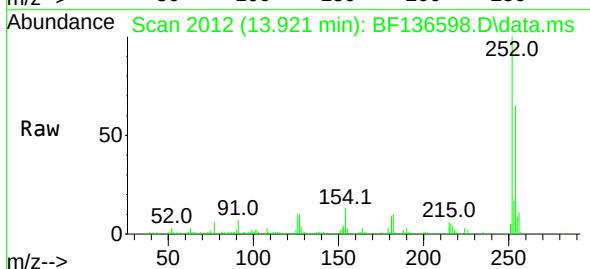
Tgt Ion:252 Resp: 210883

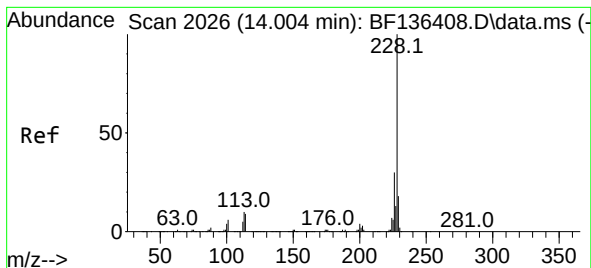
Ion Ratio Lower Upper

252 100

254 64.7 50.8 76.2

126 10.4 8.6 12.8





#83

Chrysene

Concen: 44.205 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

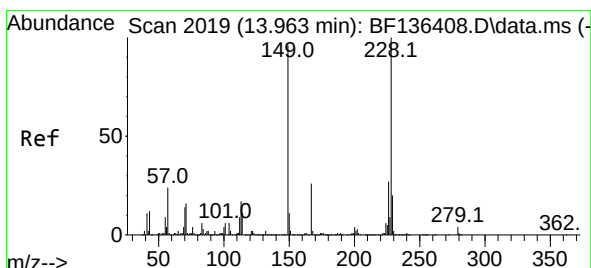
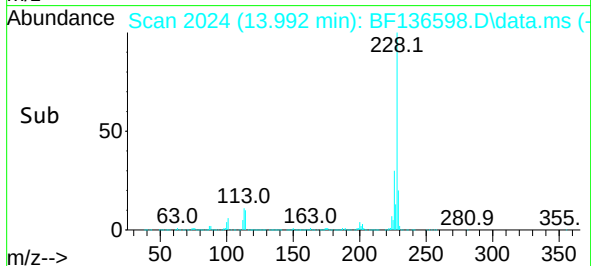
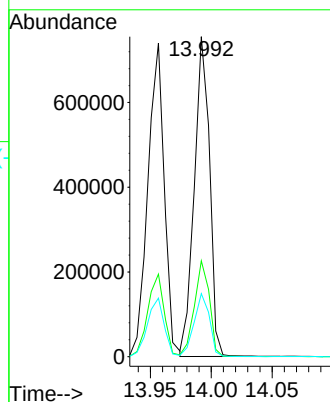
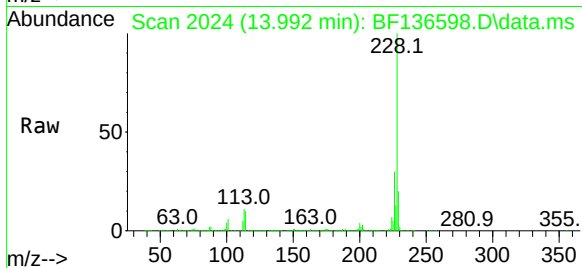
Tgt Ion:228 Resp: 66005
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.8 35.6
 229 19.7 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.409 ng

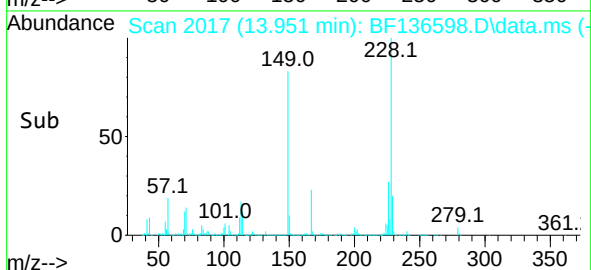
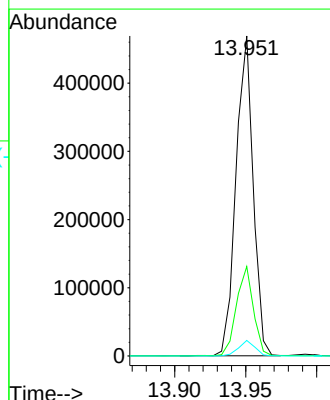
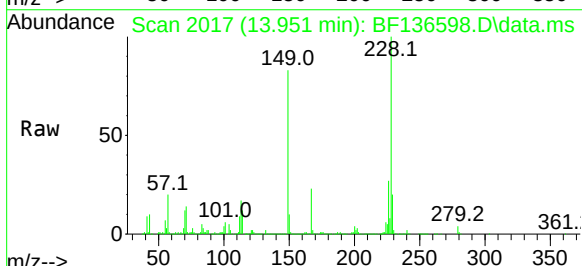
RT: 13.951 min Scan# 2017

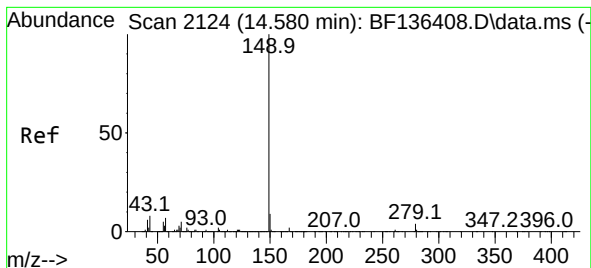
Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

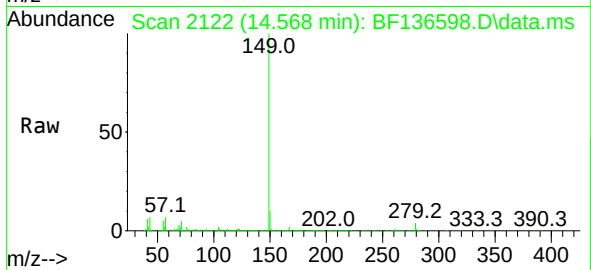
Tgt Ion:149 Resp: 394917
 Ion Ratio Lower Upper
 149 100
 167 28.0 21.2 31.8
 279 4.9 3.1 4.7#





#85
Di-n-octyl phthalate
Concen: 54.929 ng
RT: 14.568 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

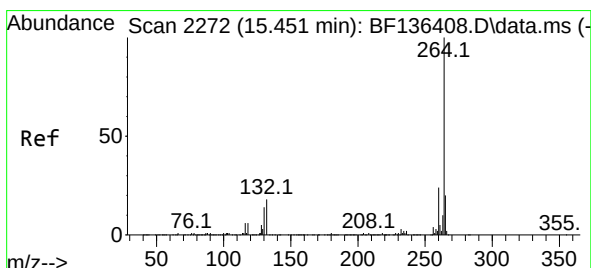
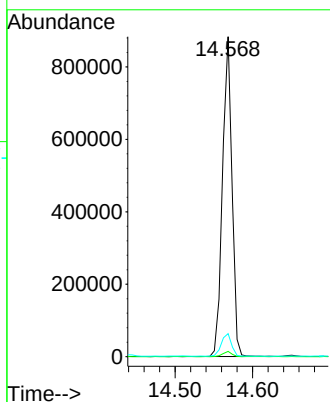
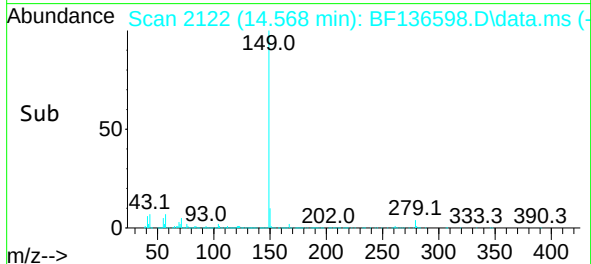
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion:149 Resp: 755539
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.5 6.8 10.2

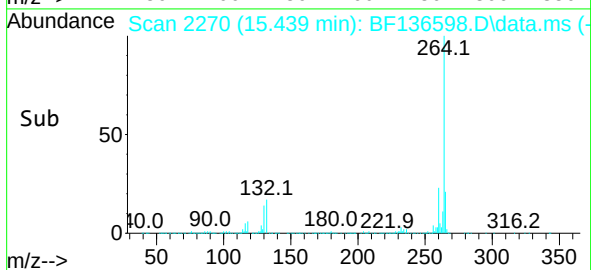
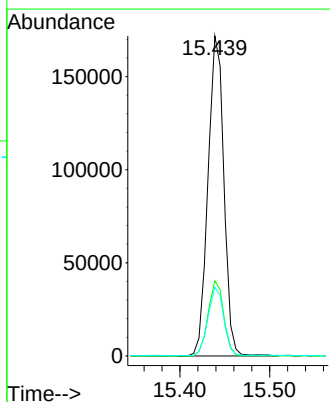
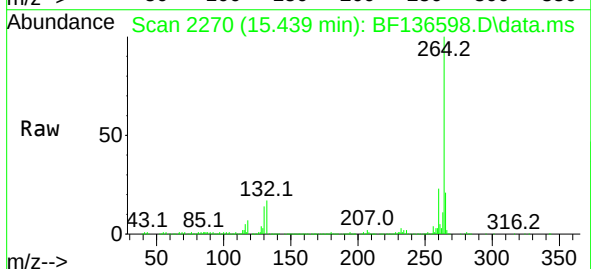
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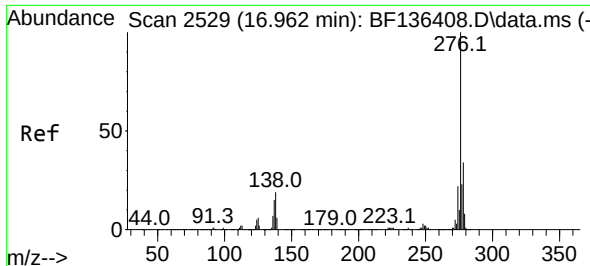
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

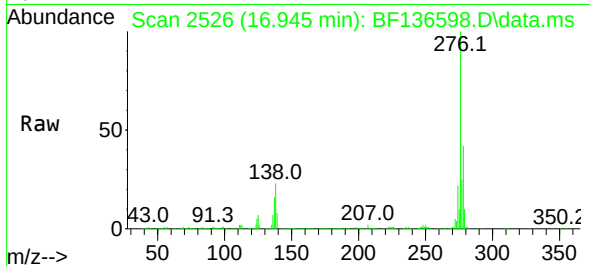
Tgt Ion:264 Resp: 211233
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.5 15.9 23.9





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 33.560 ng
 RT: 16.945 min Scan# 2197
 Delta R.T. -0.000 min
 Lab File: BF136598.D
 Acq: 15 Dec 2023 18:00

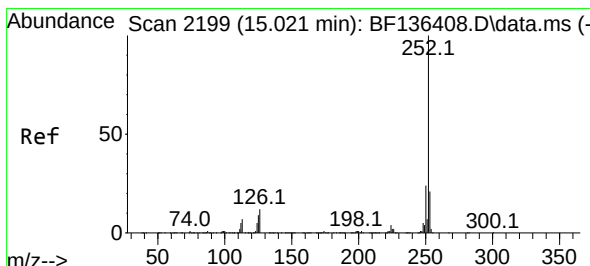
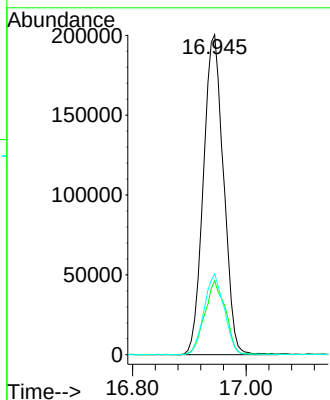
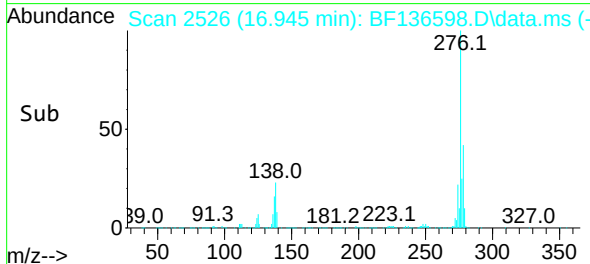
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MSD



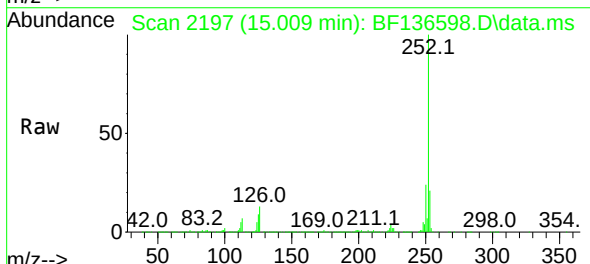
Tgt Ion:276 Resp: 492484
 Ion Ratio Lower Upper
 276 100
 138 23.9 19.0 28.4
 277 25.3 20.0 30.0

Manual Integrations
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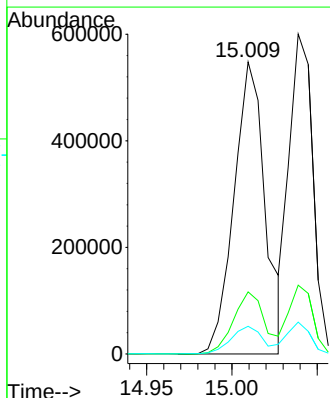
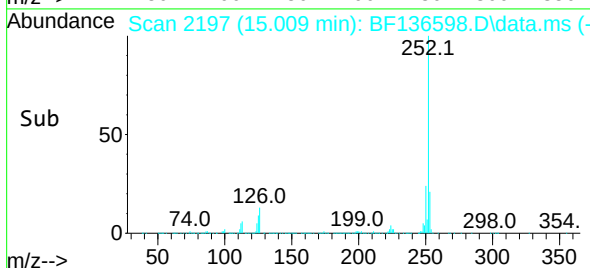
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

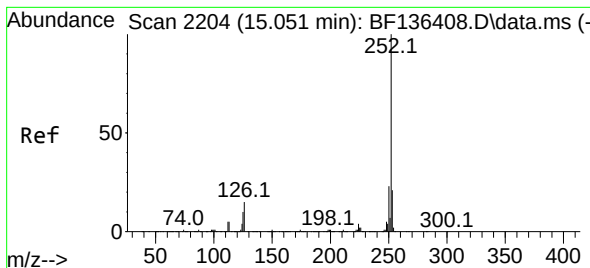


#88
 Benzo(b)fluoranthene
 Concen: 48.450 ng
 RT: 15.009 min Scan# 2197
 Delta R.T. -0.000 min
 Lab File: BF136598.D
 Acq: 15 Dec 2023 18:00



Tgt Ion:252 Resp: 699736
 Ion Ratio Lower Upper
 252 100
 253 21.3 16.9 25.3
 125 9.5 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 42.750 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2MSD

Tgt Ion:252 Resp: 58186

Ion Ratio Lower Upper

252 100

253 21.5 16.9 25.3

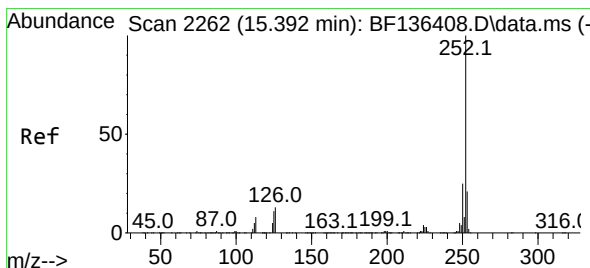
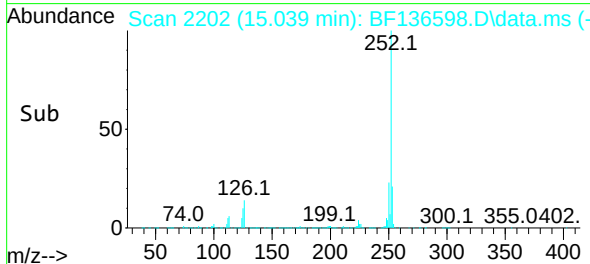
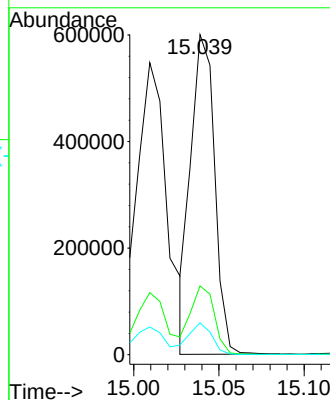
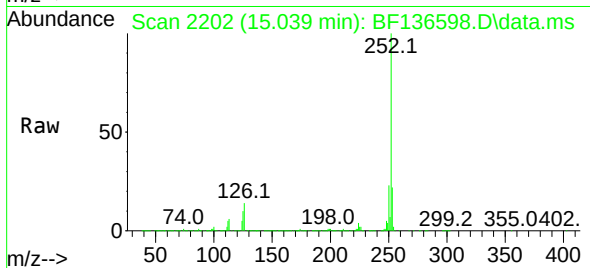
125 10.0 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#90

Benzo(a)pyrene

Concen: 45.309 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BF136598.D

Acq: 15 Dec 2023 18:00

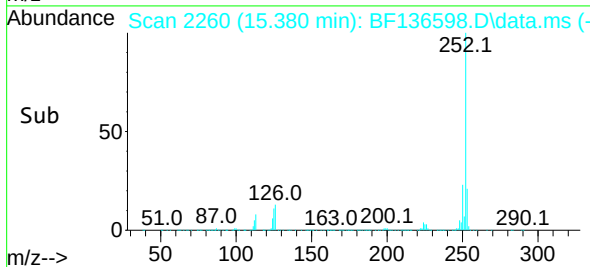
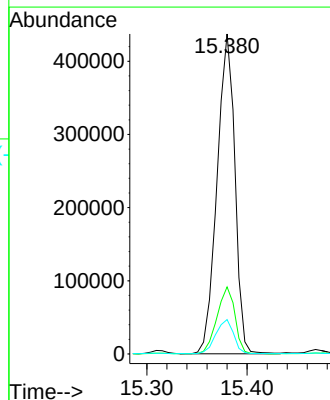
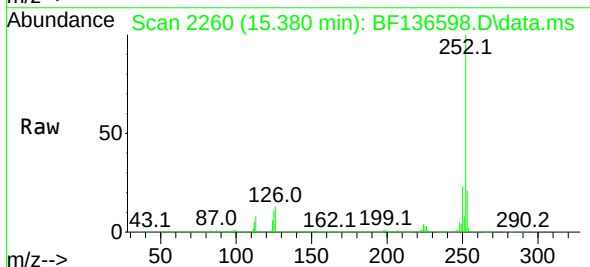
Tgt Ion:252 Resp: 540412

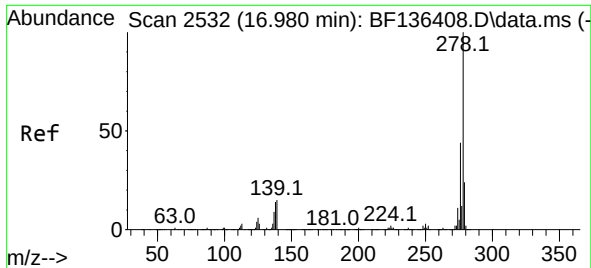
Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.4

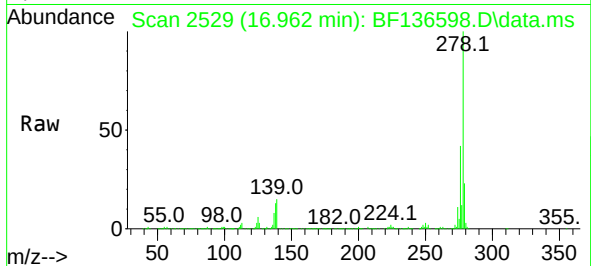
125 10.8 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 34.233 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.000 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

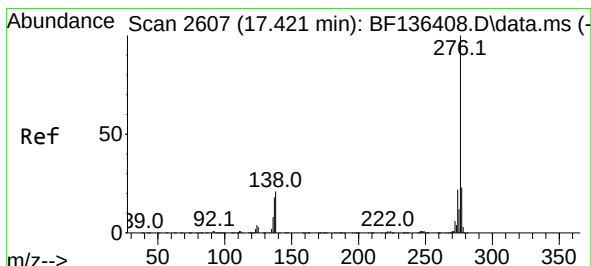
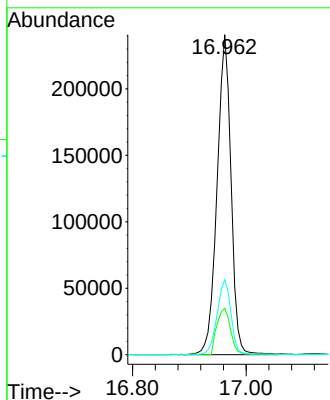
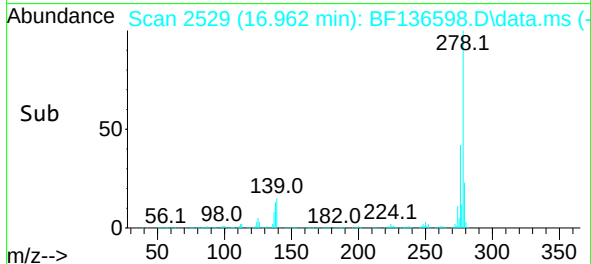
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2MSD



Tgt Ion:278 Resp: 41155
Ion Ratio Lower Upper
278 100
139 14.5 12.2 18.4
279 23.4 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#92
Benzo(g,h,i)perylene
Concen: 29.551 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.006 min
Lab File: BF136598.D
Acq: 15 Dec 2023 18:00

Tgt Ion:276 Resp: 364644
Ion Ratio Lower Upper
276 100
277 23.3 18.7 28.1
138 21.1 16.6 25.0

