

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136588.D
 Acq On : 15 Dec 2023 12:42
 Operator : CG\JU
 Sample : 05590-03MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SH-SOIL-BMS

Quant Time: Dec 15 13:13:21 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	109070	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	446029	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	218625	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	352467	20.000	ng	0.00
76) Chrysene-d12	13.962	240	211964	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	253456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	763414	103.368	ng	0.02
7) Phenol-d6	6.439	99	943429	102.386	ng	0.00
23) Nitrobenzene-d5	7.351	82	589185	71.411	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	253873	94.178	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1041683	65.014	ng	0.00
79) Terphenyl-d14	12.904	244	783837	48.741	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	108038	36.985	ng	98
3) Pyridine	3.381	79	256451	36.252	ng	97
4) n-Nitrosodimethylamine	3.345	42	121494	39.530	ng	93
6) Aniline	6.451	93	265454	28.506	ng	# 1
8) 2-Chlorophenol	6.575	128	338049	41.928	ng	98
9) Benzaldehyde	6.339	77	135181	26.820	ng	96
10) Phenol	6.451	94	387937	39.565	ng	87
11) bis(2-Chloroethyl)ether	6.528	93	296860	40.618	ng	97
12) 1,3-Dichlorobenzene	6.728	146	348729	38.460	ng	98
13) 1,4-Dichlorobenzene	6.804	146	358895	39.019	ng	99
14) 1,2-Dichlorobenzene	6.957	146	341315	39.461	ng	98
15) Benzyl Alcohol	6.933	79	262940	42.614	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	356031	37.876	ng	89
17) 2-Methylphenol	7.051	107	264490	40.604	ng	95
18) Hexachloroethane	7.292	117	123623	38.496	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	208712	39.266	ng	99
20) 3+4-Methylphenols	7.204	107	324909	40.186	ng	# 78
22) Acetophenone	7.198	105	459303	41.701	ng	98
24) Nitrobenzene	7.369	77	320100	38.567	ng	99
25) Isophorone	7.610	82	578685	39.040	ng	97
26) 2-Nitrophenol	7.686	139	176317	43.211	ng	92
27) 2,4-Dimethylphenol	7.728	122	238958	47.494	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	367968	40.399	ng	98
29) 2,4-Dichlorophenol	7.928	162	271653	40.905	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	307042	39.650	ng	98
31) Naphthalene	8.086	128	967575	39.338	ng	99
32) Benzoic acid	7.857	122	162867	32.631	ng	95
33) 4-Chloroaniline	8.139	127	168551	19.221	ng	97
34) Hexachlorobutadiene	8.204	225	177336	38.640	ng	99
35) Caprolactam	8.516	113	81476m	39.839	ng	
36) 4-Chloro-3-methylphenol	8.633	107	278573	39.506	ng	99
37) 2-Methylnaphthalene	8.780	142	613280	39.192	ng	94
38) 1-Methylnaphthalene	8.880	142	593107	38.626	ng	96
40) 1,2,4,5-Tetrachloroben...	8.945	216	309182	45.456	ng	98
41) Hexachlorocyclopentadiene	8.933	237	191536	76.010	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	186688	42.153	ng	98

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Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 13:13:21 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M

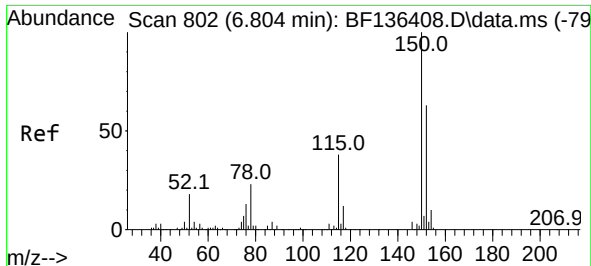
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Dec 15 00:33:23 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	196223	39.697	ng	97
46) 1,1'-Biphenyl	9.245	154	807955	43.432	ng	97
47) 2-Chloronaphthalene	9.269	162	589488	40.714	ng	97
48) 2-Nitroaniline	9.369	65	158030	40.695	ng	93
49) Acenaphthylene	9.686	152	901744	43.720	ng	98
50) Dimethylphthalate	9.551	163	684543	42.529	ng	98
51) 2,6-Dinitrotoluene	9.616	165	151344	41.795	ng	92
52) Acenaphthene	9.857	154	539046	40.784	ng	94
53) 3-Nitroaniline	9.780	138	115395	31.207	ng	96
54) 2,4-Dinitrophenol	9.892	184	96839	52.893	ng	96
55) Dibenzofuran	10.033	168	798222	41.340	ng	97
56) 4-Nitrophenol	9.957	139	188451	67.983	ng	99
57) 2,4-Dinitrotoluene	10.022	165	189435	39.545	ng	97
58) Fluorene	10.374	166	615871	39.735	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.151	232	150549	38.023	ng	99
60) Diethylphthalate	10.251	149	635912	40.177	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	307343	40.676	ng	96
62) 4-Nitroaniline	10.398	138	125240	34.109	ng	99
63) Azobenzene	10.527	77	546699	37.948	ng	97
65) 4,6-Dinitro-2-methylph...	10.427	198	74336	34.054	ng	89
66) n-Nitrosodiphenylamine	10.492	169	537140	47.493	ng	96
67) 4-Bromophenyl-phenylether	10.857	248	185667	45.307	ng	# 93
68) Hexachlorobenzene	10.921	284	202895	42.838	ng	95
69) Atrazine	11.021	200	172383	53.402	ng	97
70) Pentachlorophenol	11.121	266	177910	66.555	ng	99
71) Phenanthrene	11.339	178	816792	42.161	ng	99
72) Anthracene	11.392	178	815489	41.792	ng	98
73) Carbazole	11.551	167	659250	38.172	ng	99
74) Di-n-butylphthalate	11.880	149	879467	41.539	ng	99
75) Fluoranthene	12.527	202	715119	35.224	ng	97
77) Benzidine	12.657	184	117121	29.367	ng	97
78) Pyrene	12.763	202	702599	33.846	ng	98
80) Butylbenzylphthalate	13.386	149	278099	37.633	ng	94
81) Benzo(a)anthracene	13.957	228	615717	41.702	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	185779	44.877	ng	98
83) Chrysene	13.992	228	586496	40.375	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	376862	41.600	ng	99
85) Di-n-octyl phthalate	14.568	149	664698	49.673	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	666830	37.871	ng	99
88) Benzo(b)fluoranthene	15.009	252	660764	38.130	ng	98
89) Benzo(k)fluoranthene	15.039	252	645706	39.537	ng	98
90) Benzo(a)pyrene	15.380	252	590963	41.293	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	567438	39.336	ng	99
92) Benzo(g,h,i)perylene	17.398	276	497974	33.633	ng	99

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



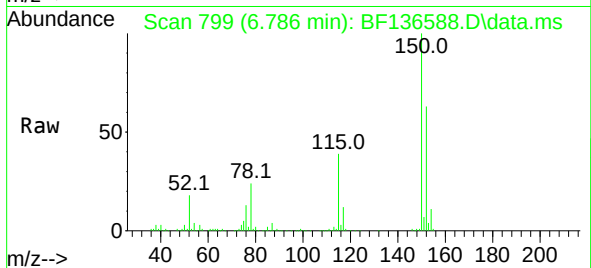
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



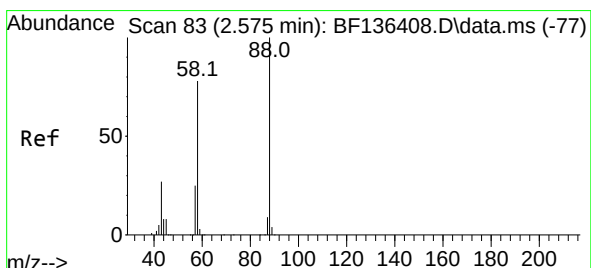
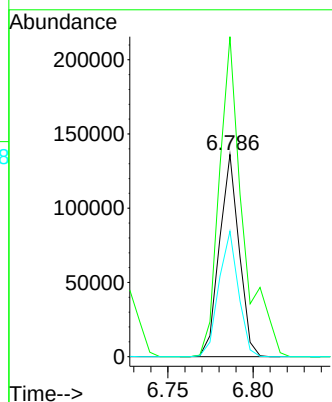
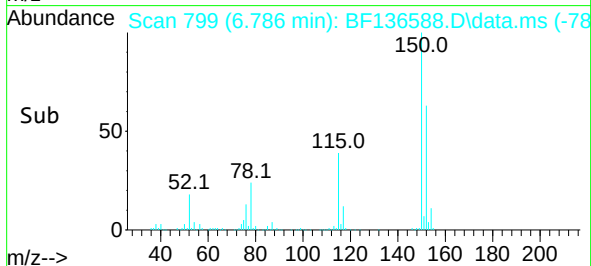
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Ion Ratio Lower Upper
152 100
150 158.3 126.4 189.6
115 62.0 48.2 72.4

Manual Integrations

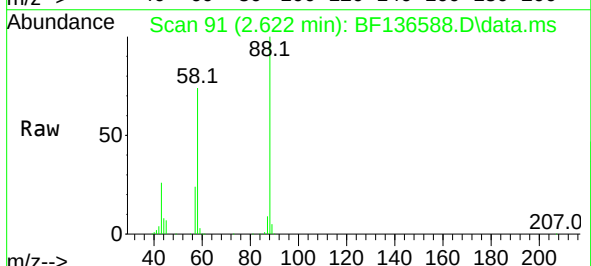
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

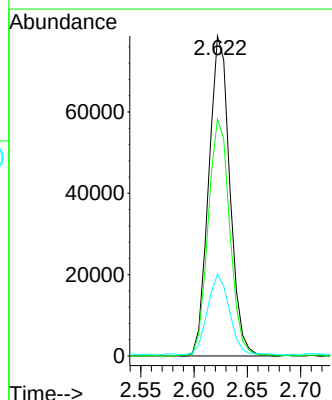
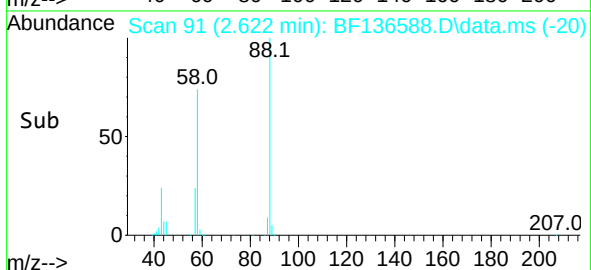
Supervised By :mohammad ahmed 12/16/2023

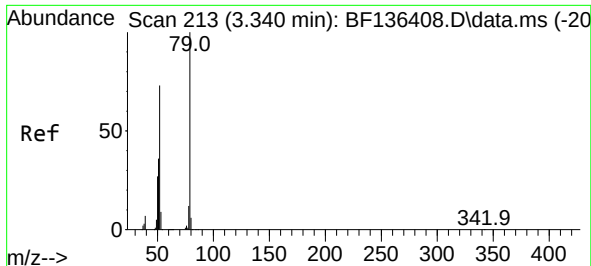


#2
1,4-Dioxane
Concen: 36.985 ng
RT: 2.622 min Scan# 91
Delta R.T. 0.070 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



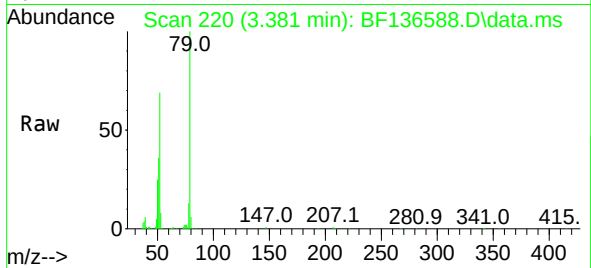
Tgt Ion: 88 Resp: 108038
Ion Ratio Lower Upper
88 100
58 75.9 62.2 93.2
43 26.7 21.5 32.3





#3
Pyridine
Concen: 36.252 ng
RT: 3.381 min Scan# 213
Delta R.T. 0.070 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

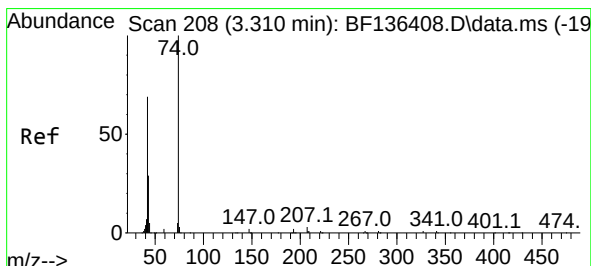
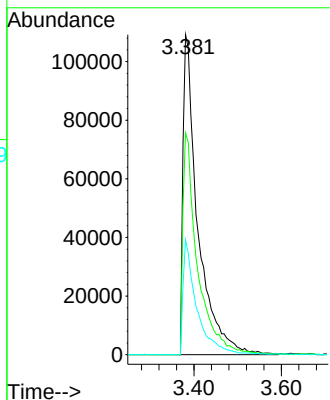
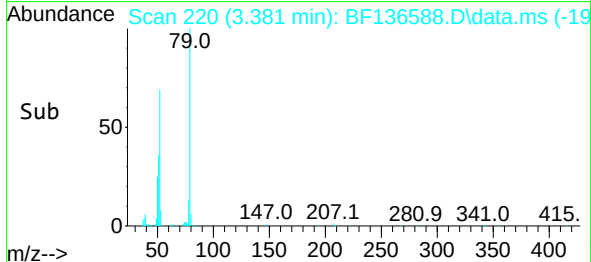
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMS



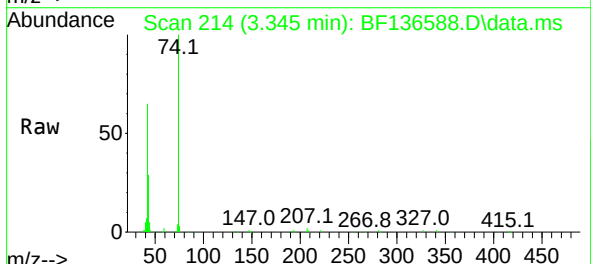
Tgt Ion: 79 Resp: 25645
Ion Ratio Lower Upper
79 100
52 69.3 58.2 87.2
51 35.9 29.1 43.7

Manual Integrations
APPROVED

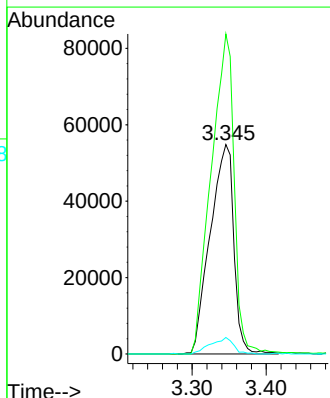
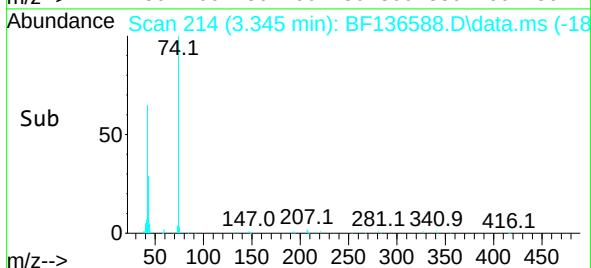
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

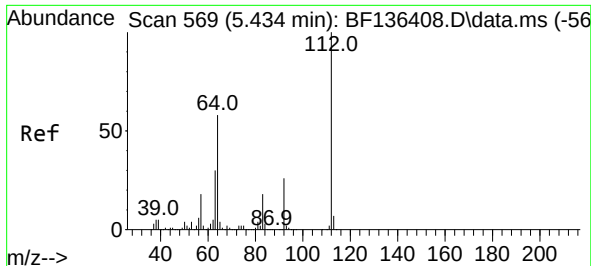


#4
n-Nitrosodimethylamine
Concen: 39.530 ng
RT: 3.345 min Scan# 214
Delta R.T. 0.059 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion: 42 Resp: 121494
Ion Ratio Lower Upper
42 100
74 152.8 115.4 173.0
44 7.9 6.2 9.2





#5
2-Fluorophenol
Concen: 103.368 ng
RT: 5.439 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

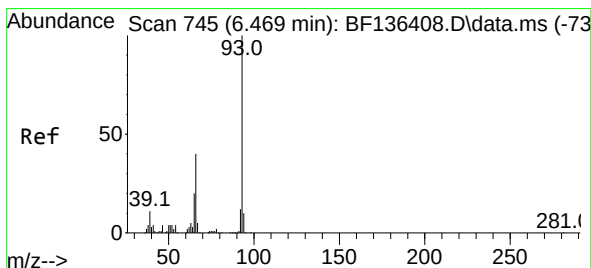
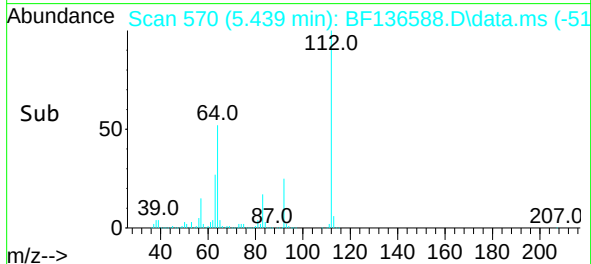
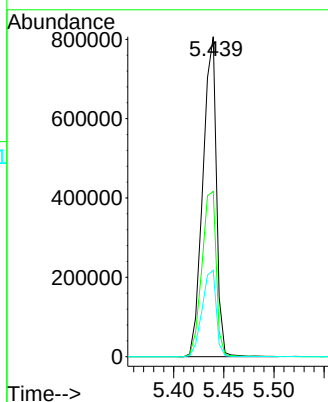
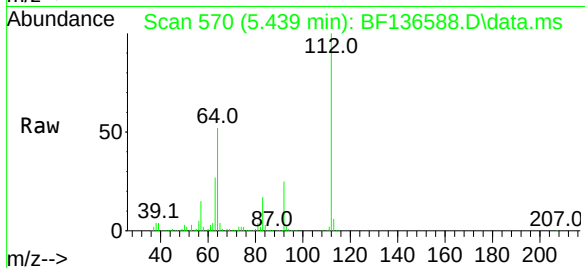
SH-SOIL-BMS

Tgt Ion:112 Resp: 763414
Ion Ratio Lower Upper
112 100
64 51.6 46.5 69.7
63 27.0 23.9 35.9

Manual Integrations

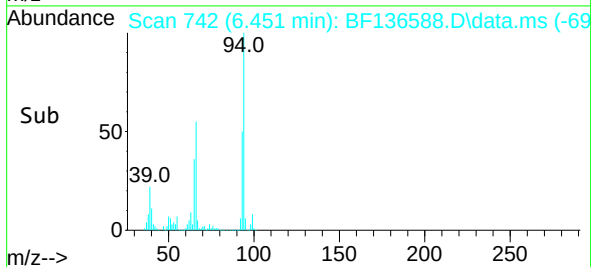
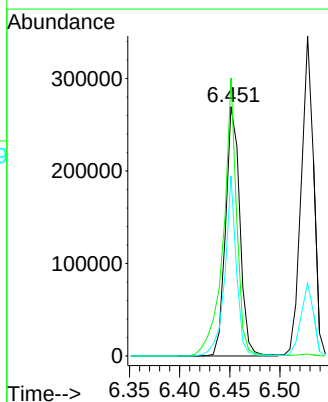
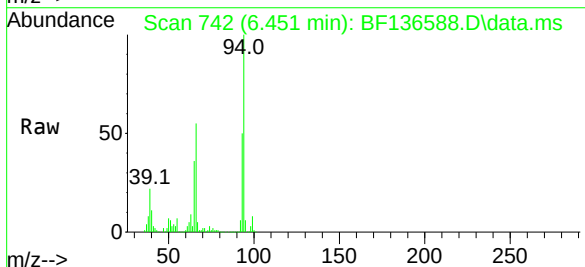
APPROVED

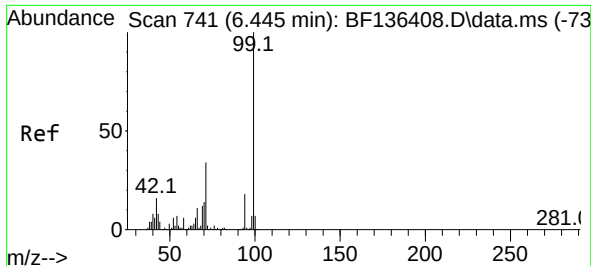
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#6
Aniline
Concen: 28.506 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion: 93 Resp: 265454
Ion Ratio Lower Upper
93 100
66 111.5 32.5 48.7#
65 72.3 16.4 24.6#





#7

Phenol-d6

Concen: 102.386 ng

RT: 6.439 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136588.D

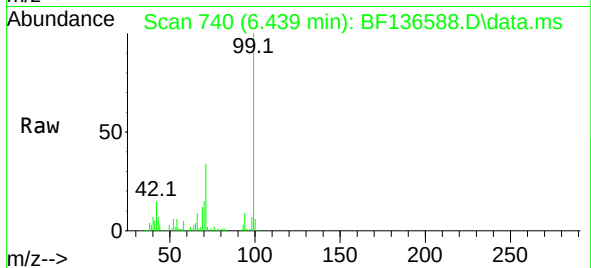
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



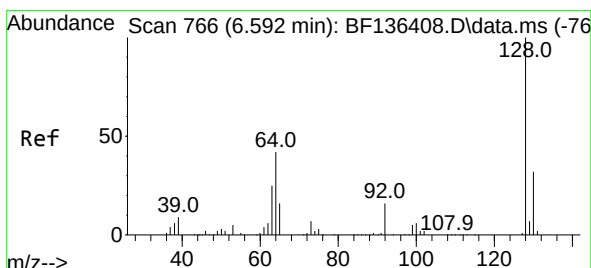
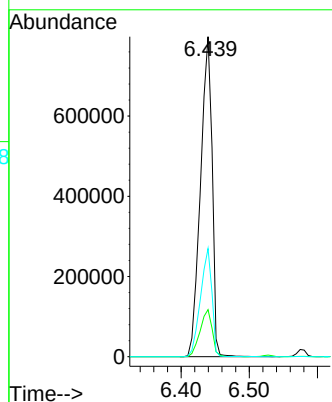
Tgt Ion:	99	Resp:	943429
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.8	19.2
71	33.8	27.0	40.4

Manual Integrations

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Supervised By :mohammad ahmed 12/16/2023



#8

2-Chlorophenol

Concen: 41.928 ng

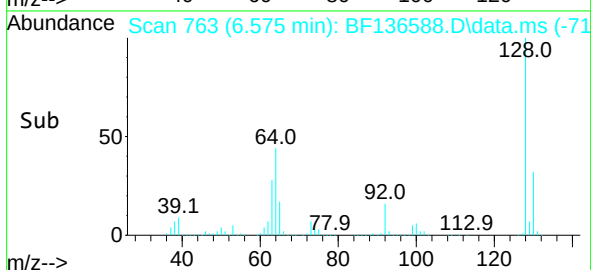
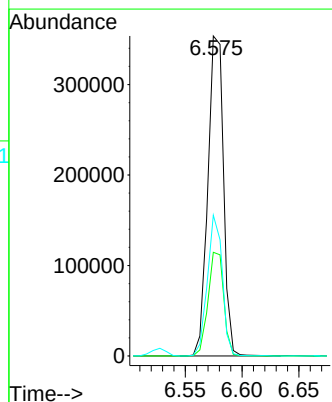
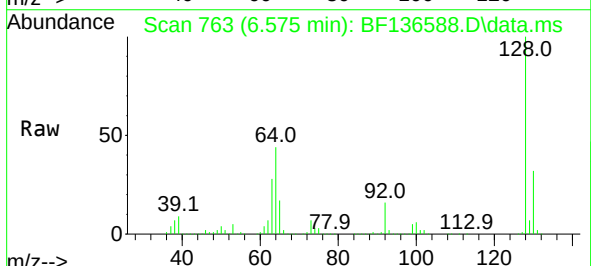
RT: 6.575 min Scan# 763

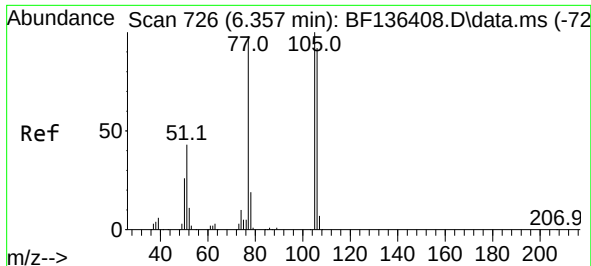
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Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

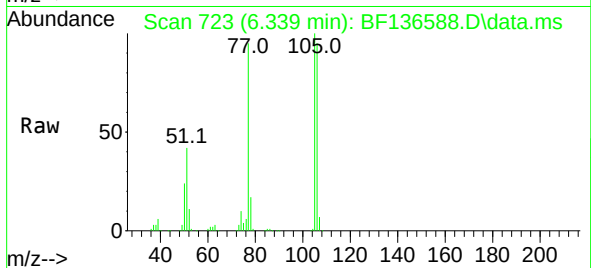
Tgt Ion:	128	Resp:	338049
Ion	Ratio	Lower	Upper
128	100		
130	32.4	11.7	51.7
64	44.0	22.5	62.5





#9
Benzaldehyde
Concen: 26.820 ng
RT: 6.339 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

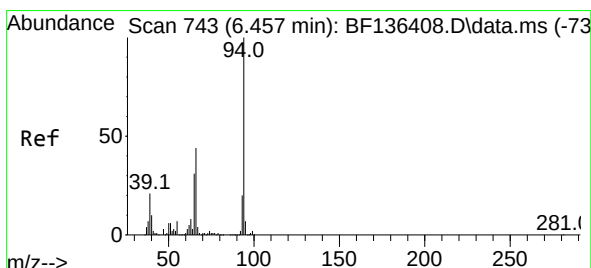
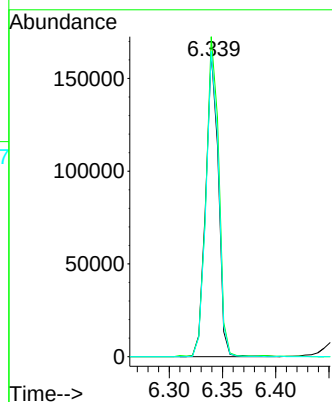
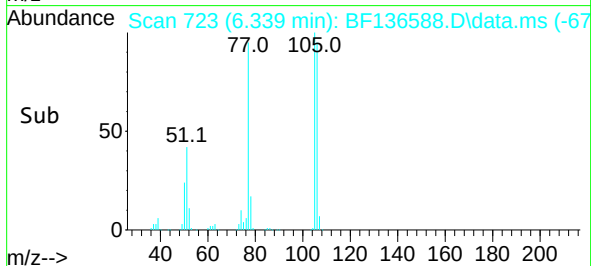
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMS



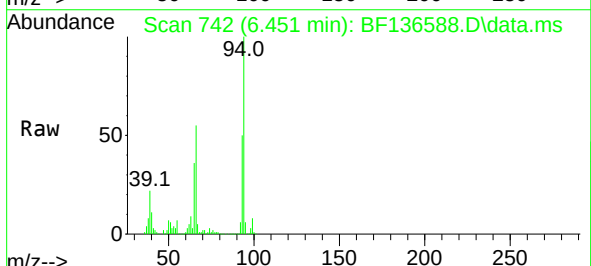
Tgt Ion: 77 Resp: 13518
Ion Ratio Lower Upper
77 100
105 105.2 82.5 122.5
106 100.4 74.5 114.5

Manual Integrations
APPROVED

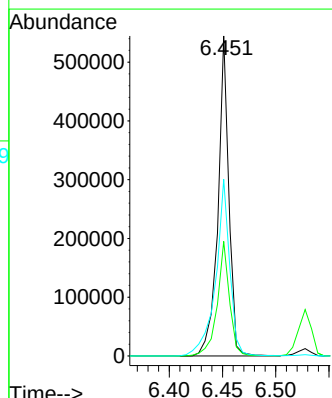
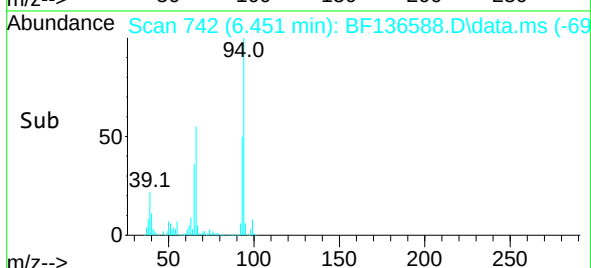
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

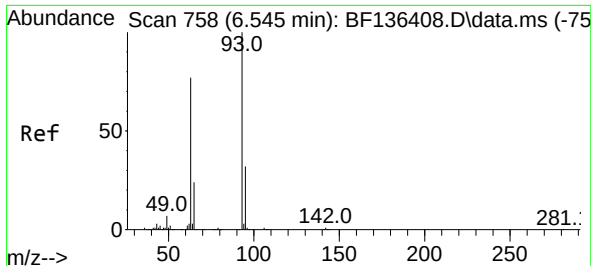


#10
Phenol
Concen: 39.565 ng
RT: 6.451 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion: 94 Resp: 387937
Ion Ratio Lower Upper
94 100
65 35.8 11.2 51.2
66 55.2 24.2 64.2





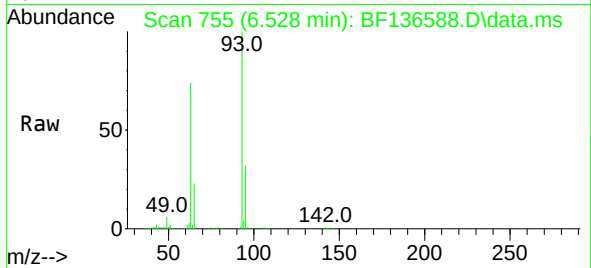
#11
bis(2-Chloroethyl)ether
Concen: 40.618 ng
RT: 6.528 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

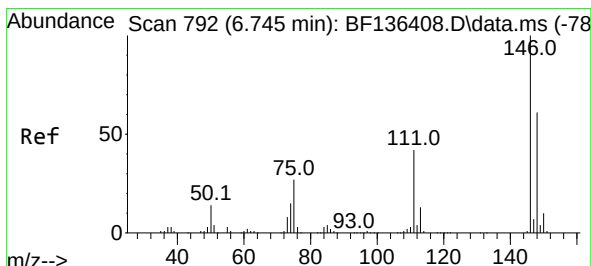
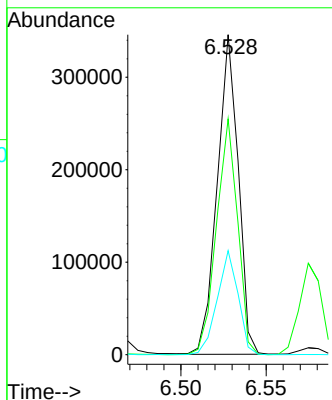
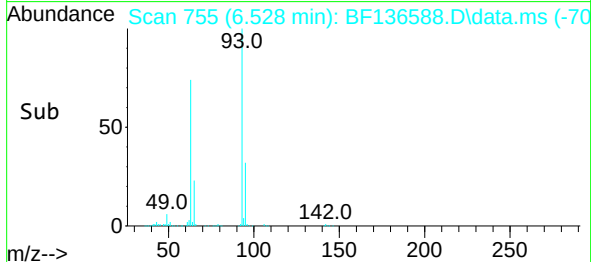
SH-SOIL-BMS



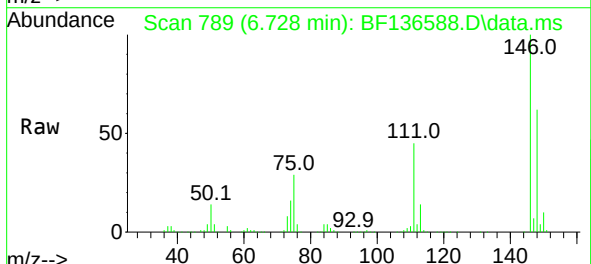
Tgt Ion: 93 Resp: 296860
Ion Ratio Lower Upper
93 100
63 73.7 56.8 96.8
95 32.5 11.8 51.8

Manual Integrations
APPROVED

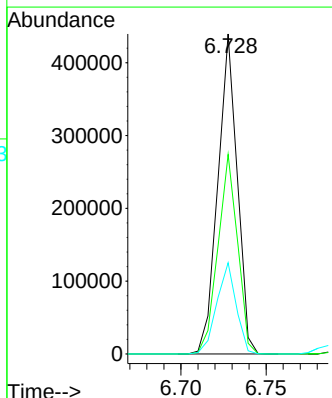
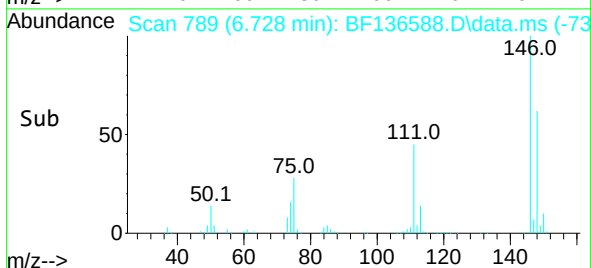
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

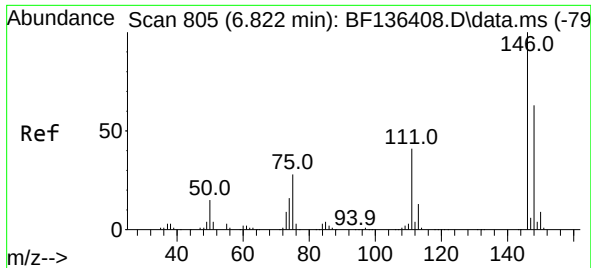


#12
1,3-Dichlorobenzene
Concen: 38.460 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:146 Resp: 348729
Ion Ratio Lower Upper
146 100
148 62.4 49.0 73.6
75 28.5 21.8 32.6





#13
1,4-Dichlorobenzene
Concen: 39.019 ng
RT: 6.804 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

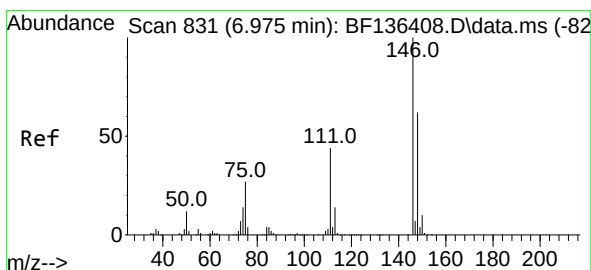
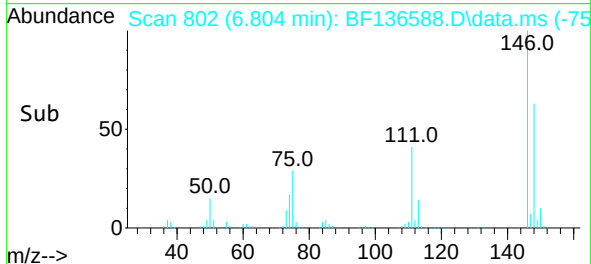
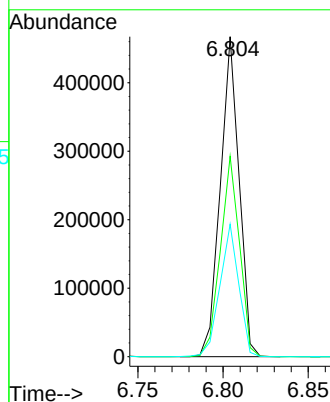
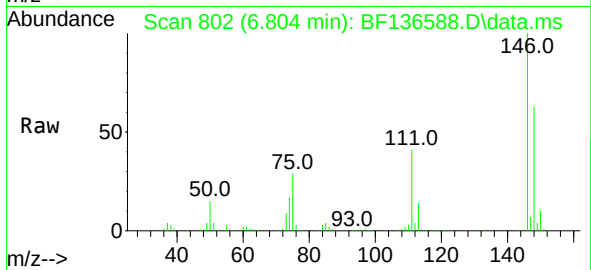
SH-SOIL-BMS

Tgt Ion:146 Resp: 35889
Ion Ratio Lower Upper
146 100
148 62.7 50.3 75.5
111 41.4 32.6 49.0

Manual Integrations

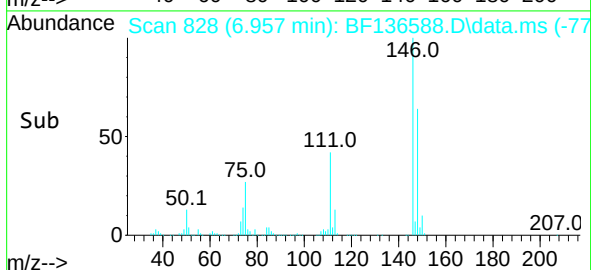
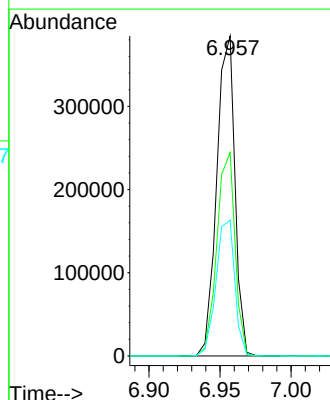
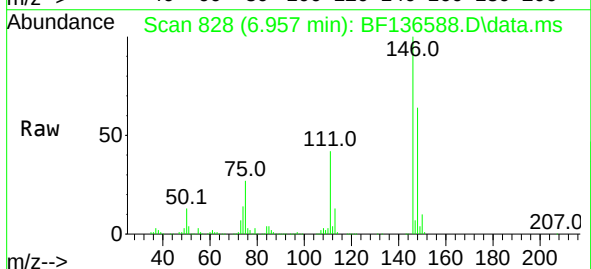
APPROVED

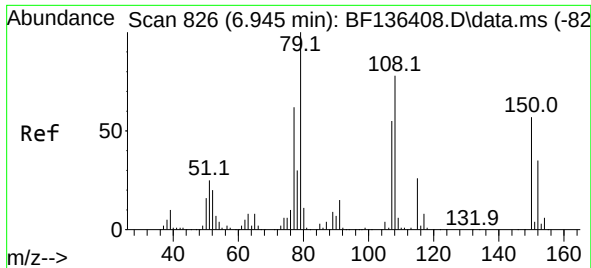
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#14
1,2-Dichlorobenzene
Concen: 39.461 ng
RT: 6.957 min Scan# 828
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:146 Resp: 341315
Ion Ratio Lower Upper
146 100
148 63.6 49.8 74.6
111 42.4 34.9 52.3





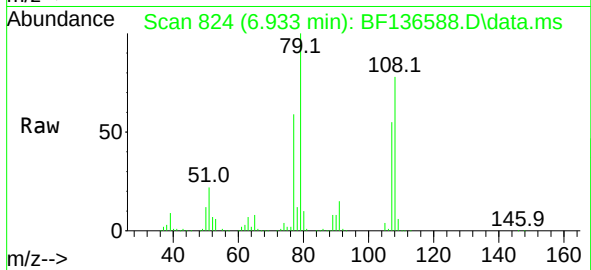
#15
Benzyl Alcohol
Concen: 42.614 ng
RT: 6.933 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

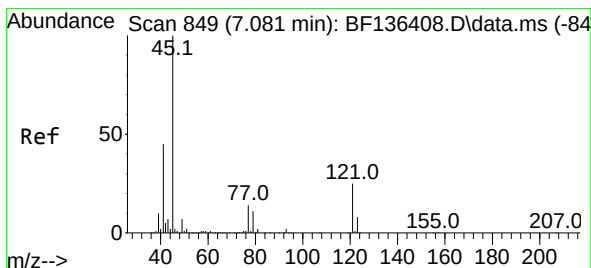
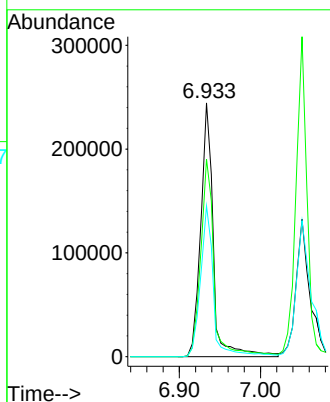
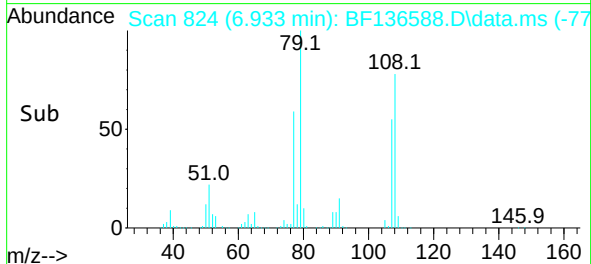


Tgt Ion: 79 Resp: 262940
Ion Ratio Lower Upper
79 100
108 77.9 62.3 93.5
77 59.4 49.8 74.8

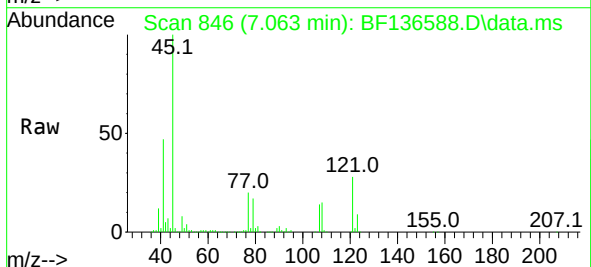
Manual Integrations

APPROVED

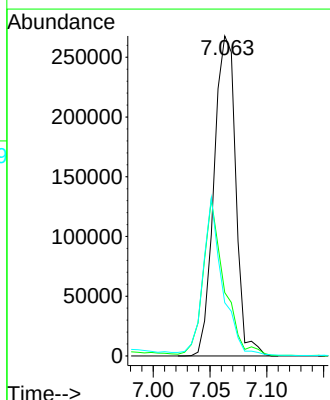
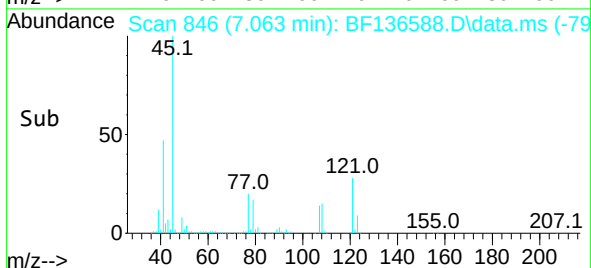
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

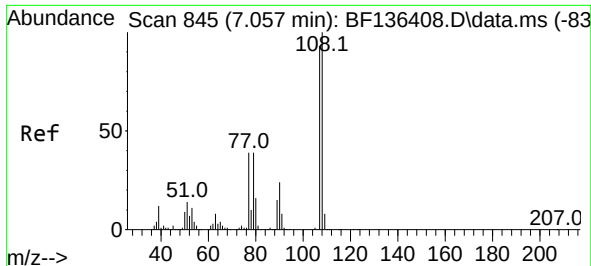


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.876 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion: 45 Resp: 356031
Ion Ratio Lower Upper
45 100
77 19.8 0.0 35.3
79 16.7 0.0 32.5





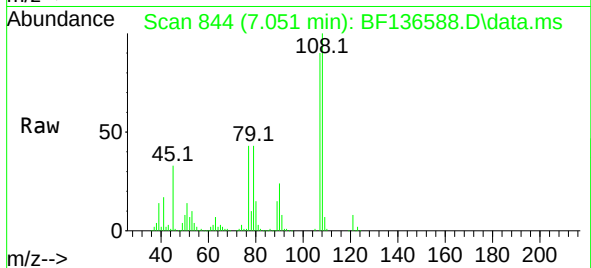
#17
2-Methylphenol
Concen: 40.604 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



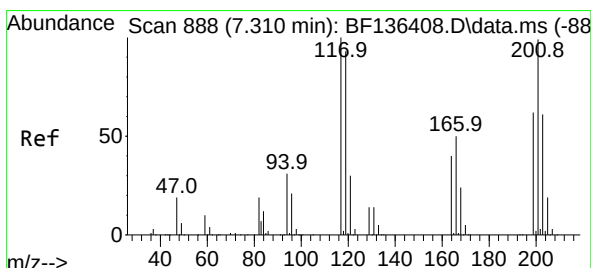
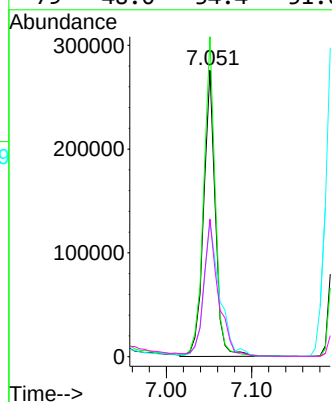
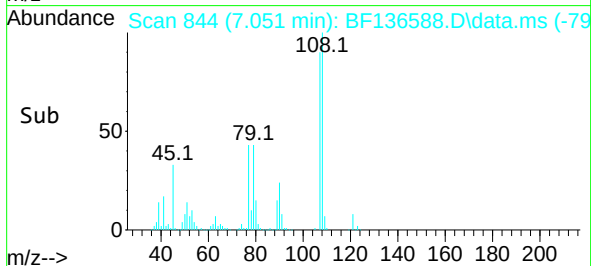
Tgt Ion:107 Resp: 264490
Ion Ratio Lower Upper
107 100
108 111.7 86.5 129.7
77 47.5 33.8 50.8
79 48.0 34.4 51.6

Manual Integrations

APPROVED

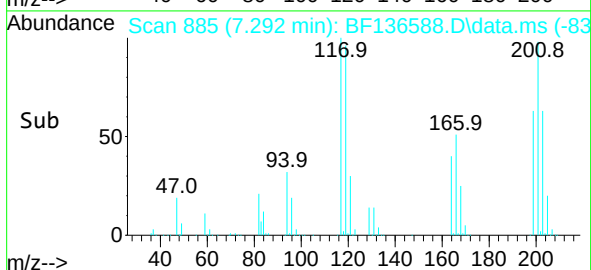
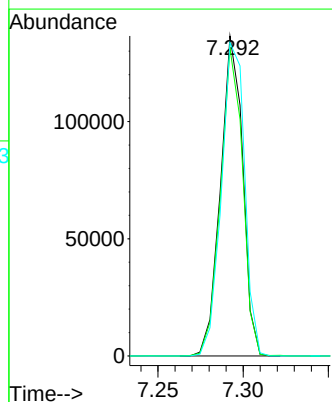
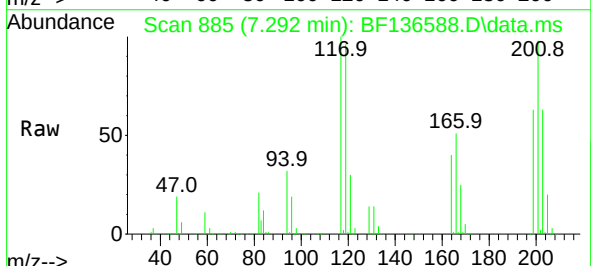
Reviewed By :Yogesh Patel 12/16/2023

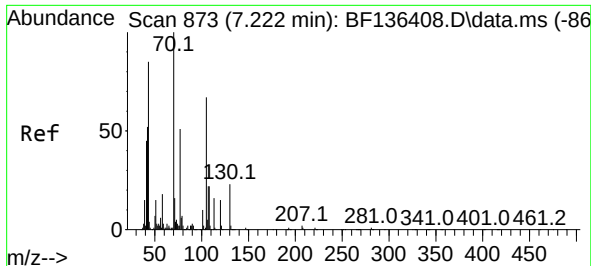
Supervised By :mohammad ahmed 12/16/2023



#18
Hexachloroethane
Concen: 38.496 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:117 Resp: 123623
Ion Ratio Lower Upper
117 100
119 96.2 74.3 111.5
201 97.9 79.3 118.9





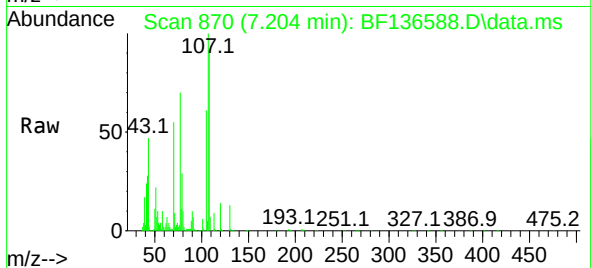
#19
n-Nitroso-di-n-propylamine
Concen: 39.266 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



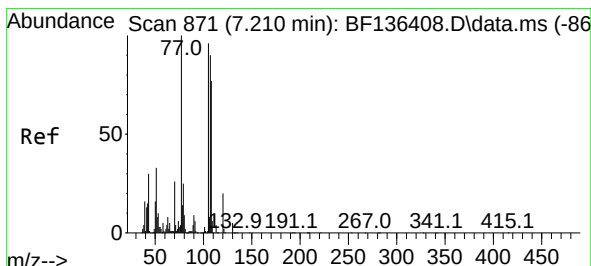
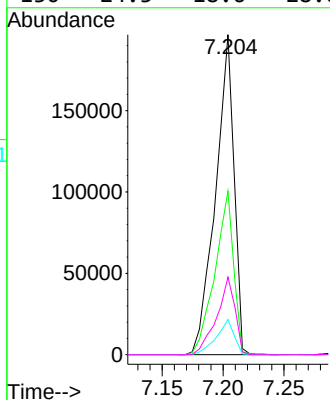
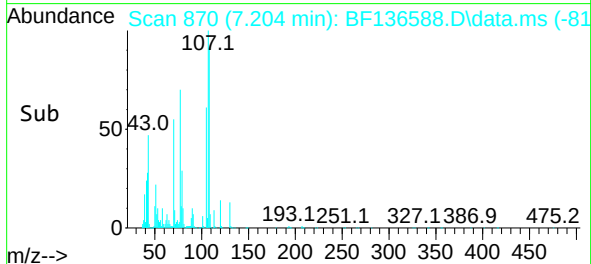
Tgt Ion: 70 Resp: 20871
Ion Ratio Lower Upper
70 100
42 51.1 41.4 62.0
101 11.0 8.2 12.4
130 24.3 18.6 28.0

Manual Integrations

APPROVED

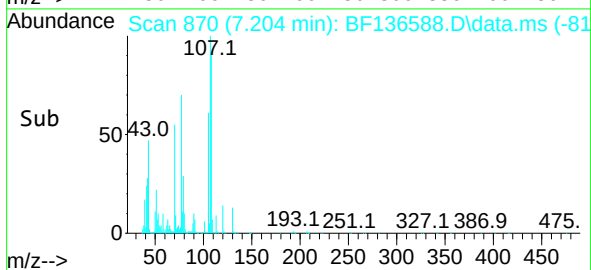
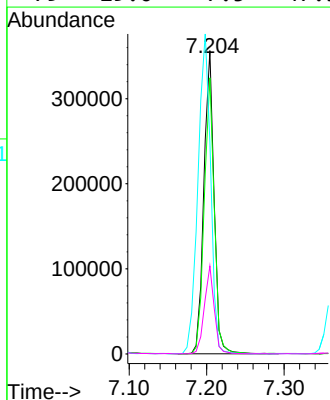
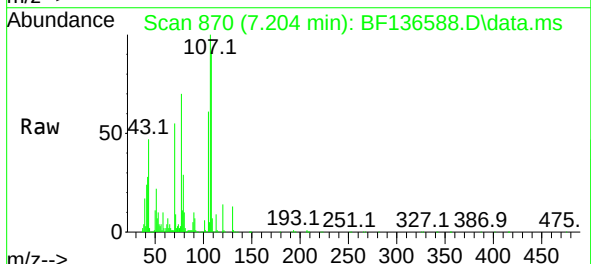
Reviewed By :Yogesh Patel 12/16/2023

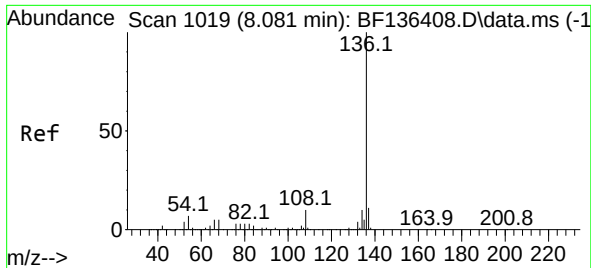
Supervised By :mohammad ahmed 12/16/2023



#20
3+4-Methylphenols
Concen: 40.186 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:107 Resp: 324909
Ion Ratio Lower Upper
107 100
108 91.0 65.9 105.9
77 70.0 91.7 131.7#
79 29.0 7.5 47.5





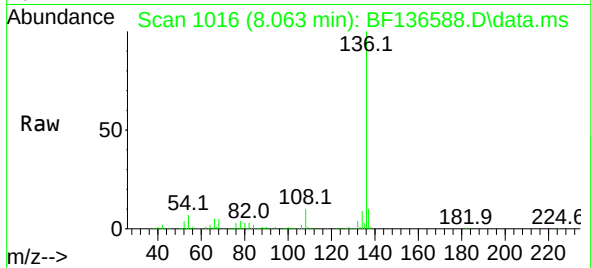
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



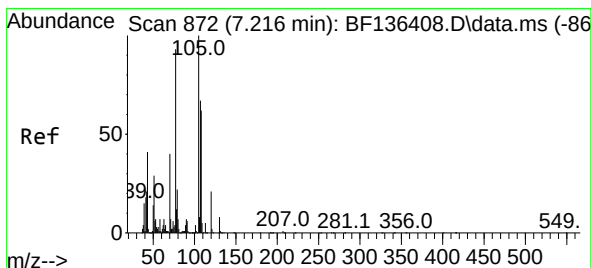
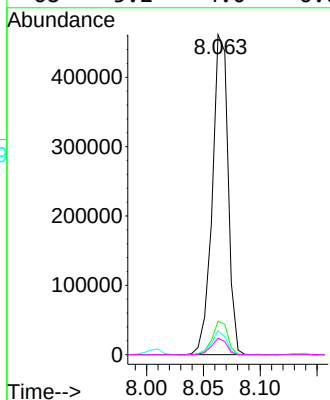
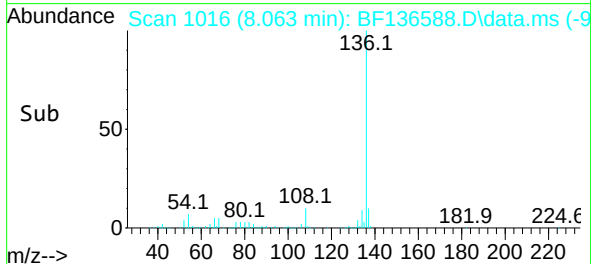
Tgt Ion:136 Resp: 446029
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 7.4 5.7 8.5
68 5.2 4.0 6.0

Manual Integrations

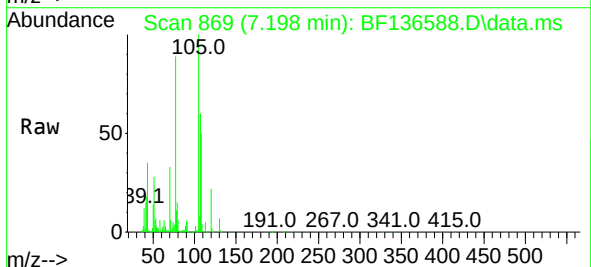
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

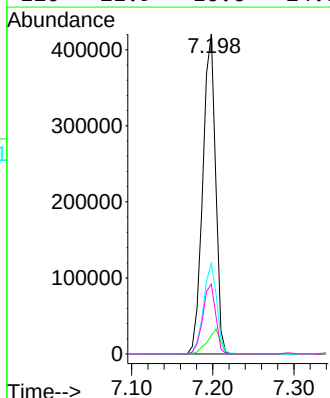
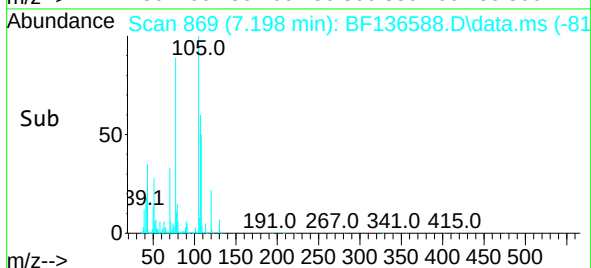
Supervised By :mohammad ahmed 12/16/2023

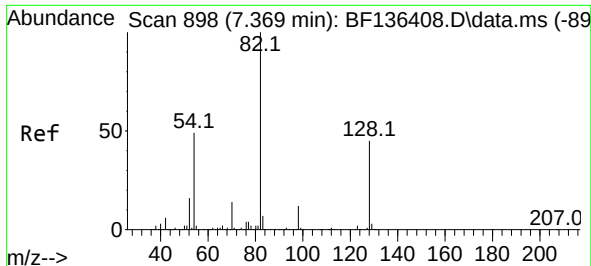


#22
Acetophenone
Concen: 41.701 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:105 Resp: 459303
Ion Ratio Lower Upper
105 100
71 5.8 5.4 8.0
51 28.3 23.4 35.2
120 21.9 16.6 24.8





#23
Nitrobenzene-d5
Concen: 71.411 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

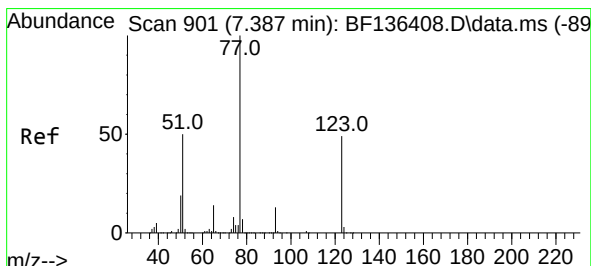
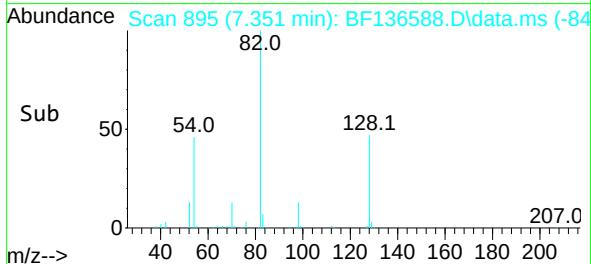
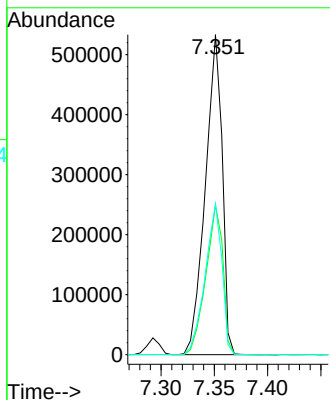
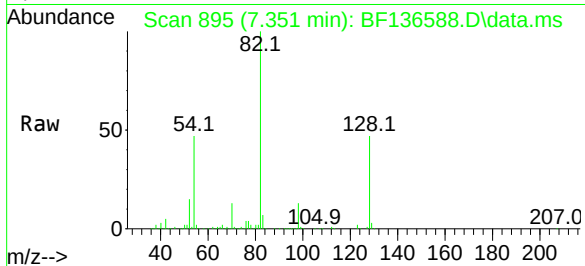
ClientSampleId :

SH-SOIL-BMS

Tgt Ion: 82 Resp: 58918
Ion Ratio Lower Upper
82 100
128 46.7 36.3 54.5
54 47.2 39.0 58.6

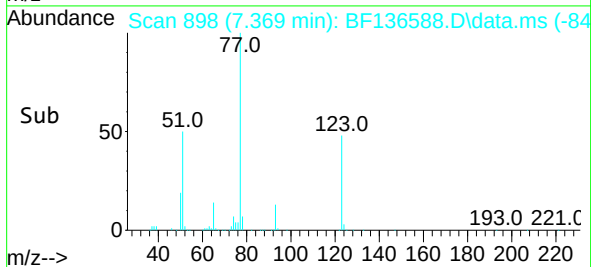
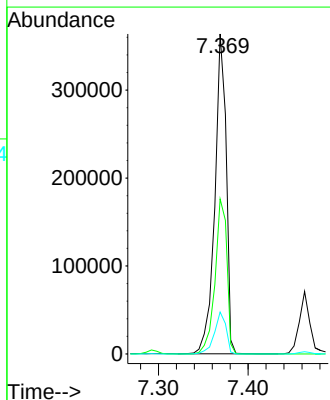
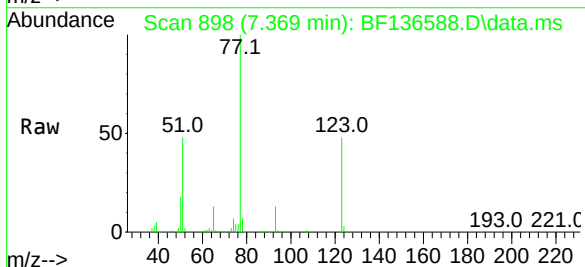
Manual Integrations
APPROVED

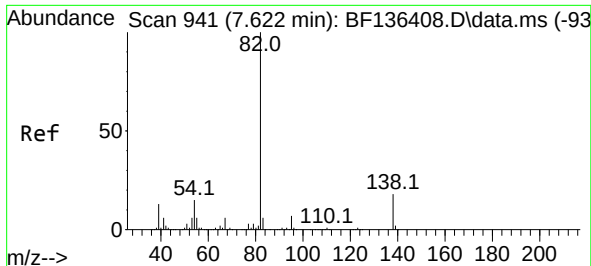
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#24
Nitrobenzene
Concen: 38.567 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

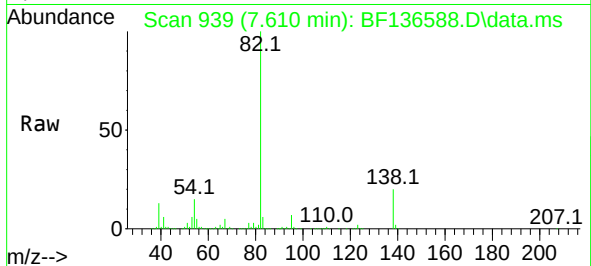
Tgt Ion: 77 Resp: 320100
Ion Ratio Lower Upper
77 100
123 48.5 39.0 58.6
65 13.1 11.3 16.9





#25
Isophorone
Concen: 39.040 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

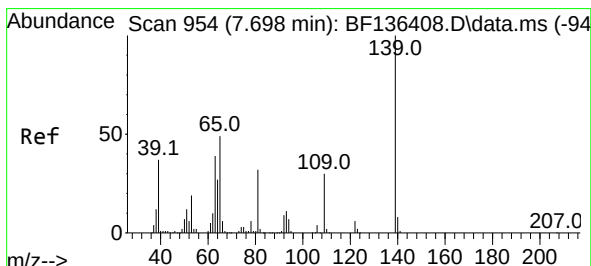
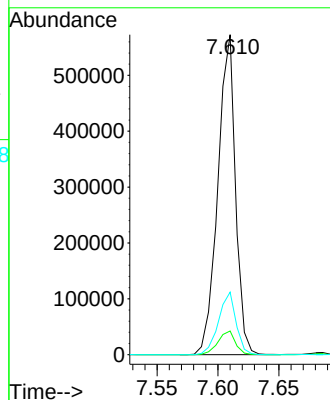
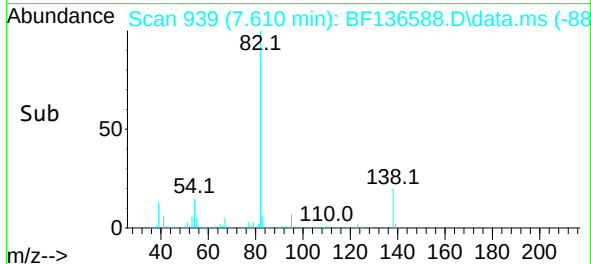
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMS



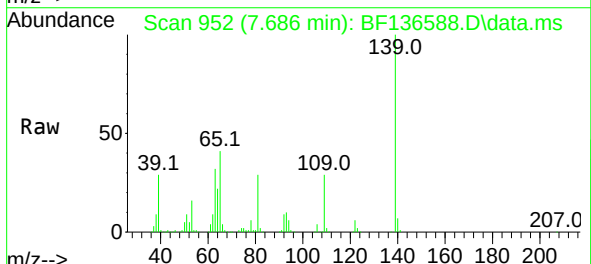
Tgt Ion: 82 Resp: 57868
Ion Ratio Lower Upper
82 100
95 7.4 5.7 8.5
138 19.6 14.5 21.7

Manual Integrations
APPROVED

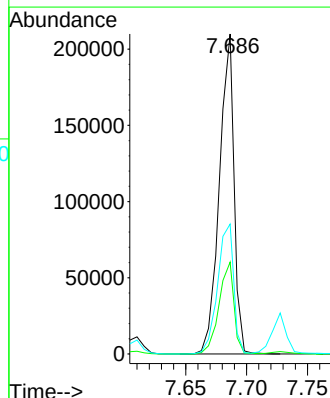
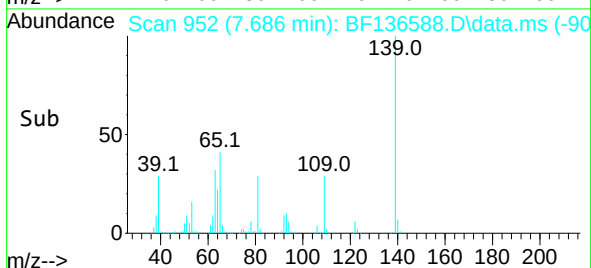
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

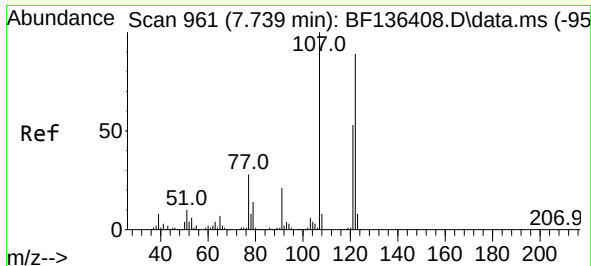


#26
2-Nitrophenol
Concen: 43.211 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:139 Resp: 176317
Ion Ratio Lower Upper
139 100
109 28.7 23.6 35.4
65 40.6 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 47.494 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF136588.D

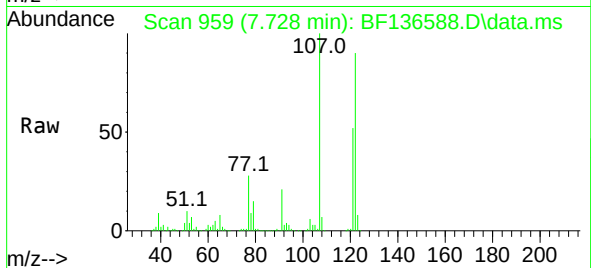
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



Tgt Ion:122 Resp: 238958

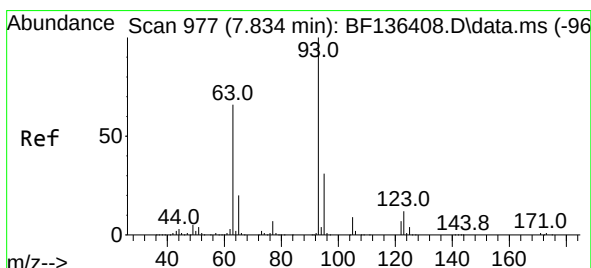
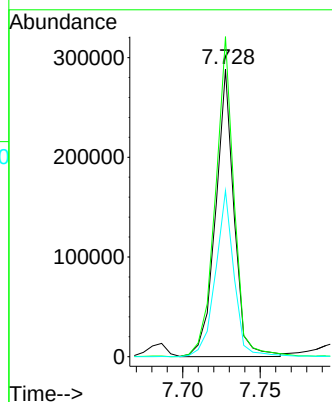
Ion	Ratio	Lower	Upper
122	100		
107	111.3	89.3	133.9
121	57.7	47.6	71.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#28

bis(2-Chloroethoxy)methane

Concen: 40.399 ng

RT: 7.822 min Scan# 975

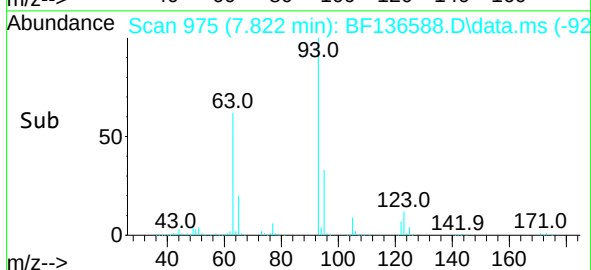
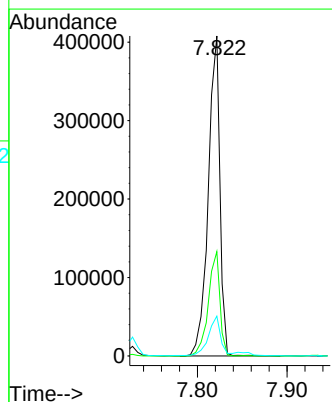
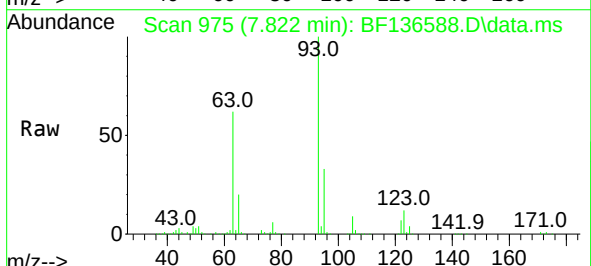
Delta R.T. -0.000 min

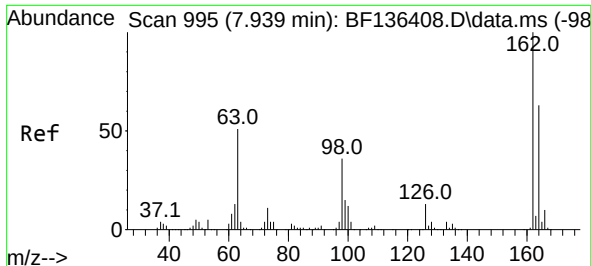
Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Tgt Ion: 93 Resp: 367968

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.0	37.4
123	12.4	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 40.905 ng

RT: 7.928 min Scan# 995

Delta R.T. -0.000 min

Lab File: BF136588.D

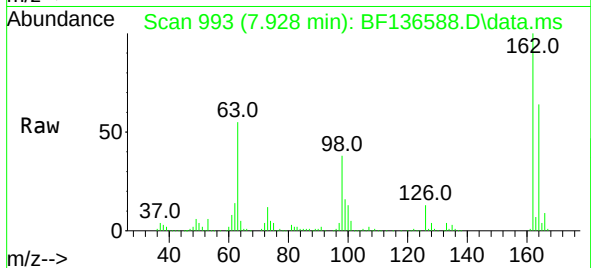
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



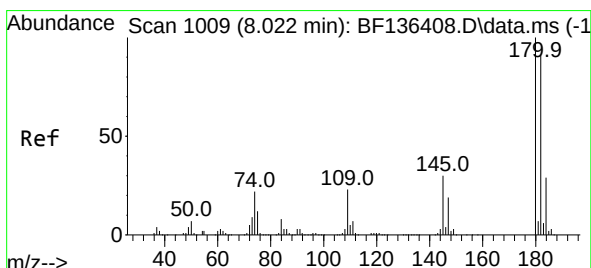
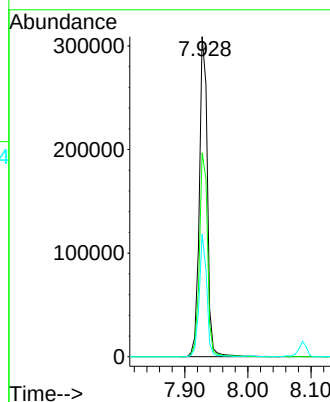
Tgt Ion:	162	Resp:	27165
Ion Ratio	Lower	Upper	
162	100		
164	63.7	43.0	83.0
98	38.2	16.2	56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#30

1,2,4-Trichlorobenzene

Concen: 39.650 ng

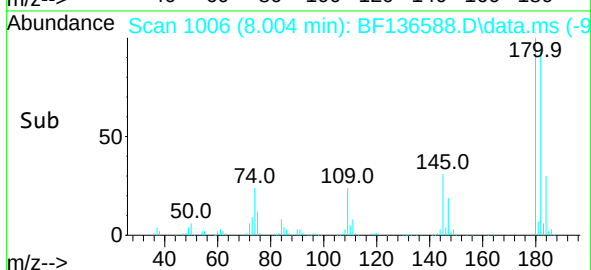
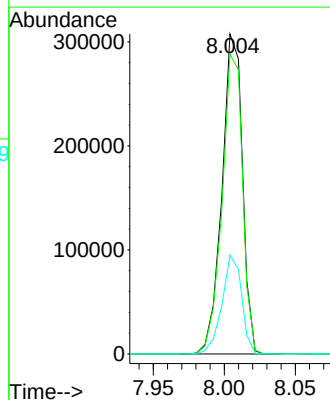
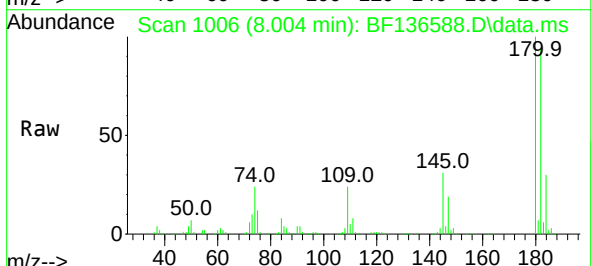
RT: 8.004 min Scan# 1006

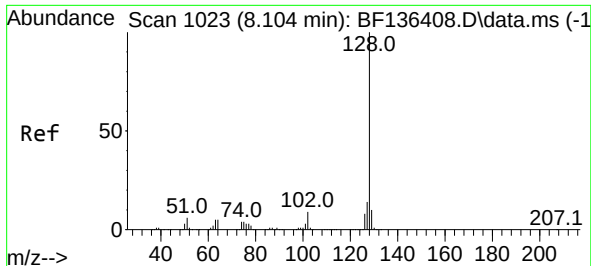
Delta R.T. -0.006 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Tgt Ion:	180	Resp:	307042
Ion Ratio	Lower	Upper	
180	100		
182	93.7	73.1	109.7
145	30.9	23.8	35.8





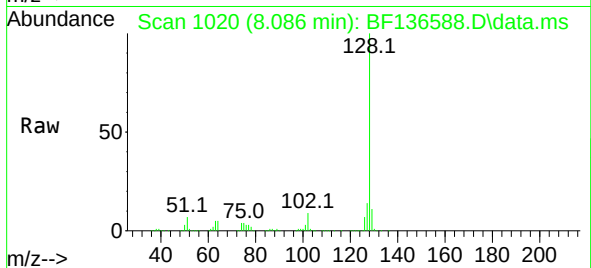
#31
Naphthalene
Concen: 39.338 ng
RT: 8.086 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



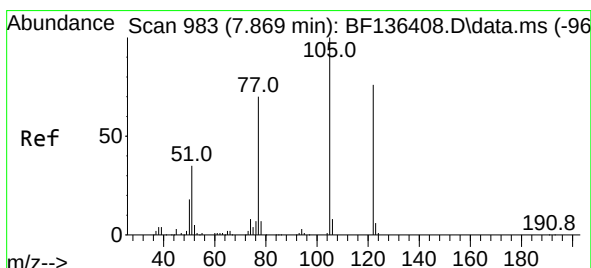
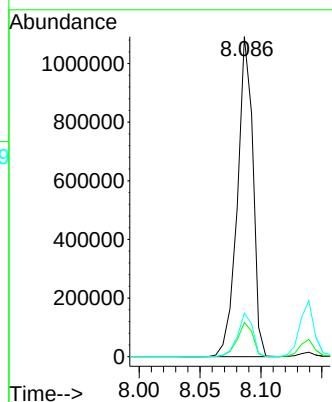
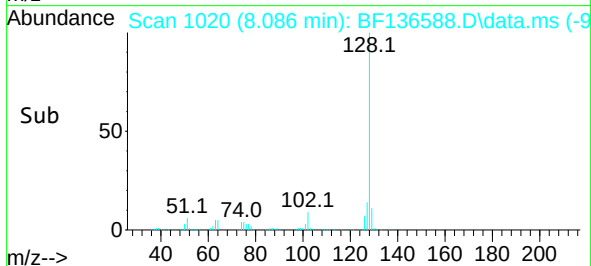
Tgt Ion:128 Resp: 967579
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 13.6 11.1 16.7

Manual Integrations

APPROVED

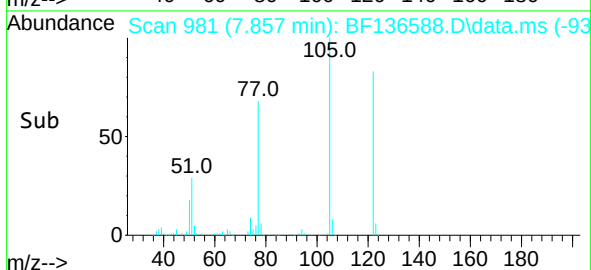
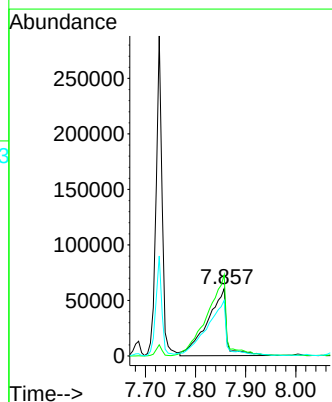
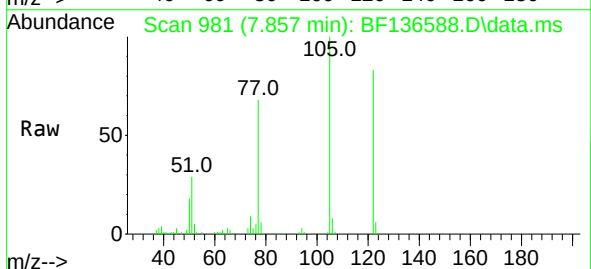
Reviewed By :Yogesh Patel 12/16/2023

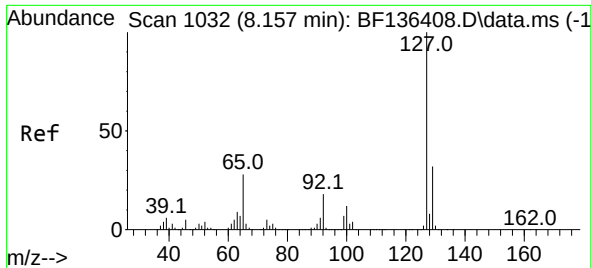
Supervised By :mohammad ahmed 12/16/2023



#32
Benzoic acid
Concen: 32.631 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:122 Resp: 162867
Ion Ratio Lower Upper
122 100
105 120.3 104.7 144.7
77 82.4 68.5 108.5





#33
4-Chloroaniline
Concen: 19.221 ng
RT: 8.139 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

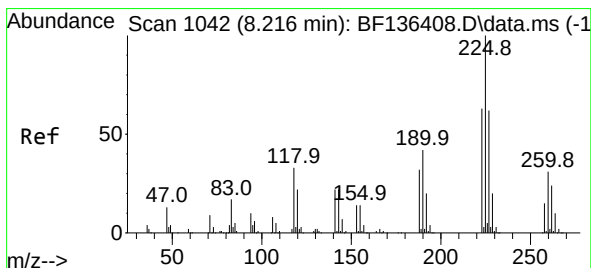
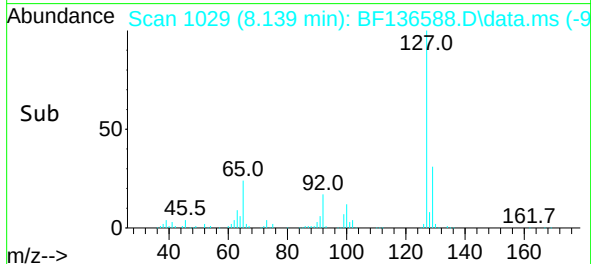
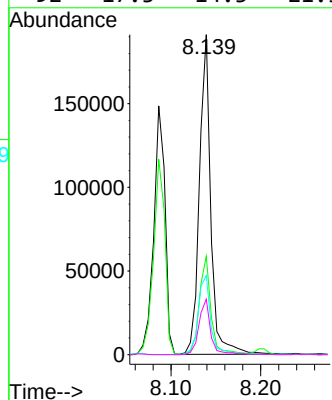
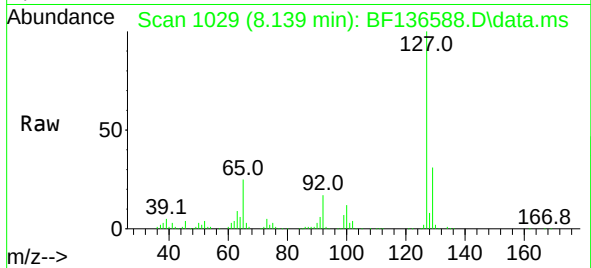
SH-SOIL-BMS

Tgt Ion:127 Resp: 16855
Ion Ratio Lower Upper
127 100
129 30.7 25.4 38.2
65 24.7 22.5 33.7
92 17.3 14.3 21.5

Manual Integrations

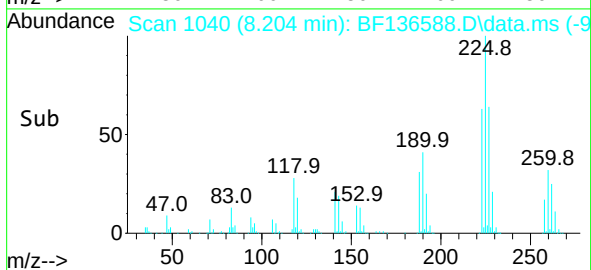
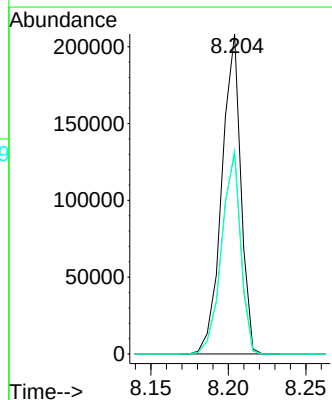
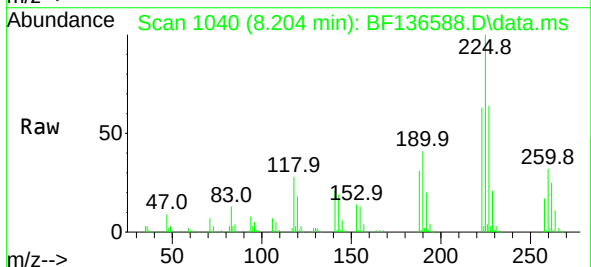
APPROVED

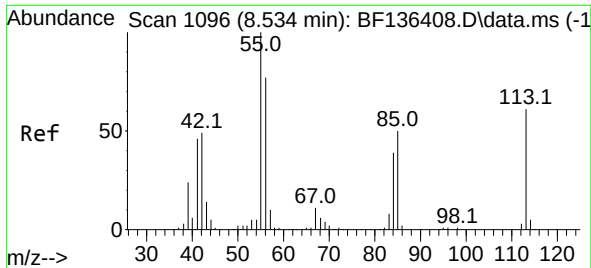
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#34
Hexachlorobutadiene
Concen: 38.640 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:225 Resp: 177336
Ion Ratio Lower Upper
225 100
223 62.6 50.8 76.2
227 63.7 49.8 74.8





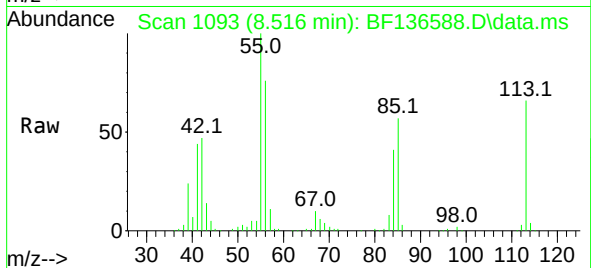
#35
Caprolactam
Concen: 39.839 ng m
RT: 8.516 min Scan# 1093
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

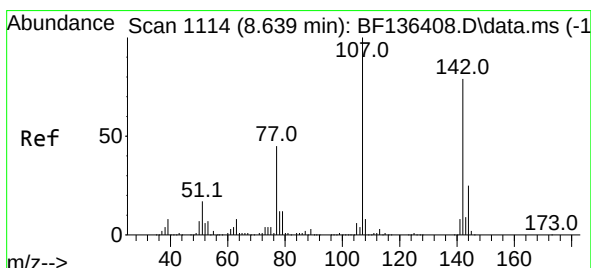
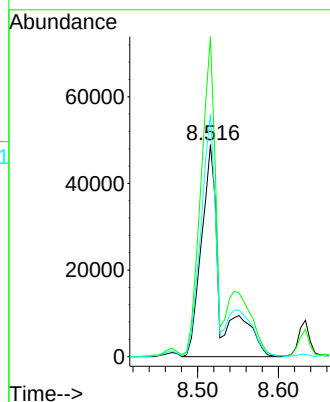
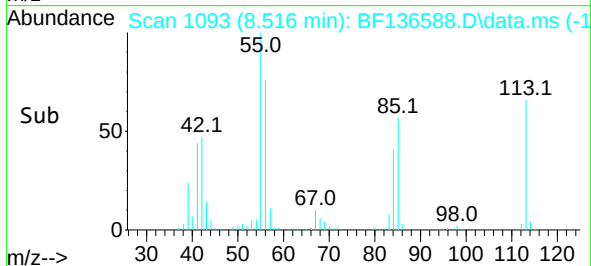


Tgt Ion:113 Resp: 81470
Ion Ratio Lower Upper
113 100
55 150.9 143.7 183.7
56 114.5 105.2 145.2

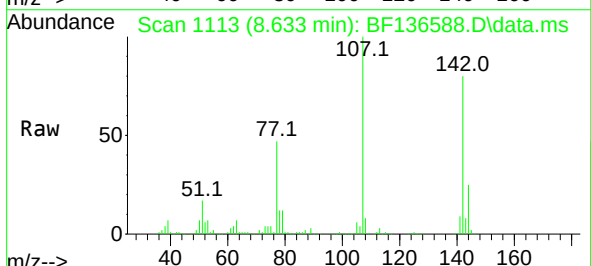
Manual Integrations

APPROVED

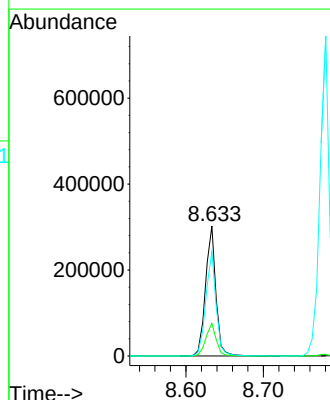
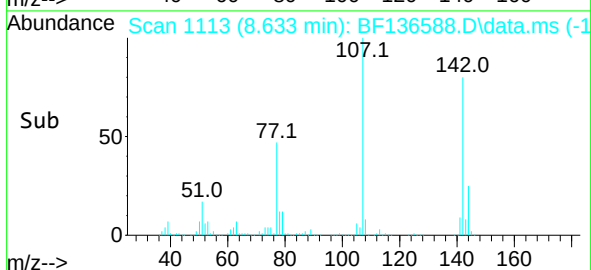
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

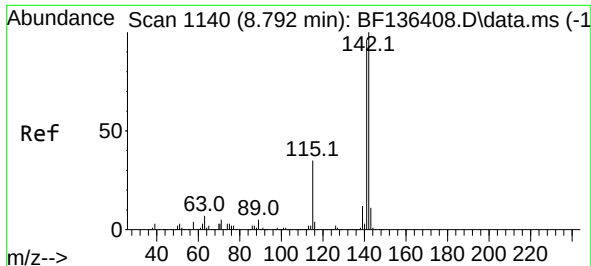


#36
4-Chloro-3-methylphenol
Concen: 39.506 ng
RT: 8.633 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:107 Resp: 278573
Ion Ratio Lower Upper
107 100
144 25.2 20.1 30.1
142 80.2 63.1 94.7





#37

2-Methylnaphthalene

Concen: 39.192 ng

RT: 8.780 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

Tgt Ion:142 Resp: 613280

Ion Ratio Lower Upper

142 100

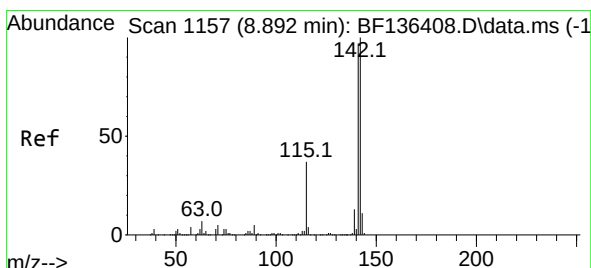
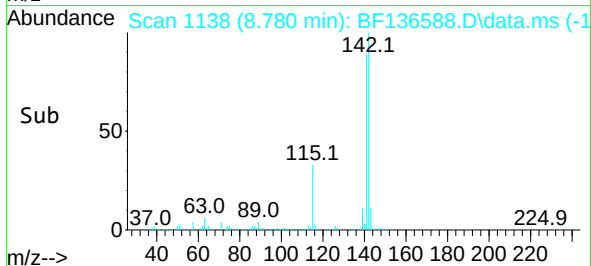
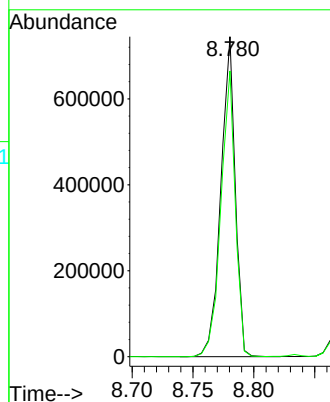
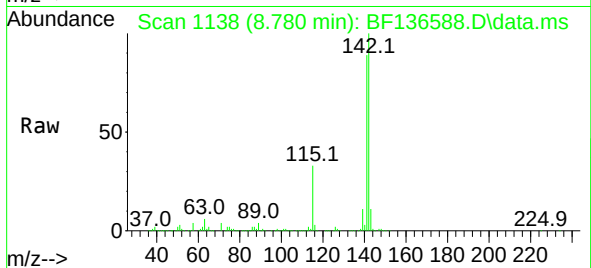
141 89.3 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#38

1-Methylnaphthalene

Concen: 38.626 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.000 min

Lab File: BF136588.D

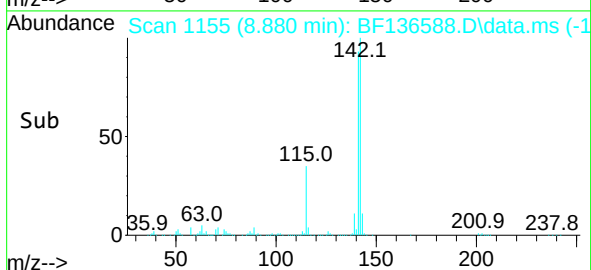
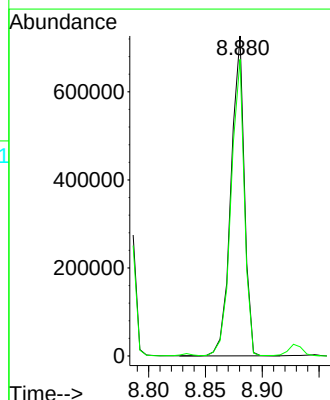
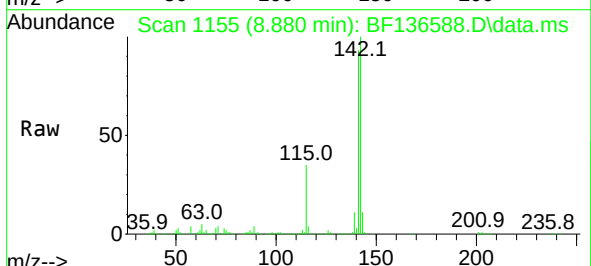
Acq: 15 Dec 2023 12:42

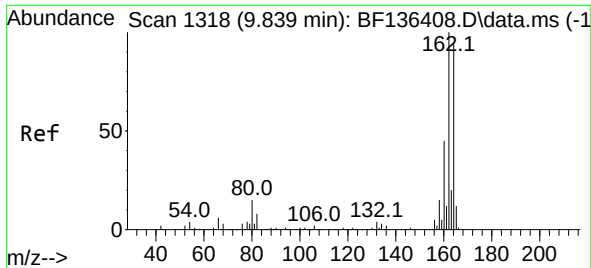
Tgt Ion:142 Resp: 593107

Ion Ratio Lower Upper

142 100

141 92.7 77.7 116.5





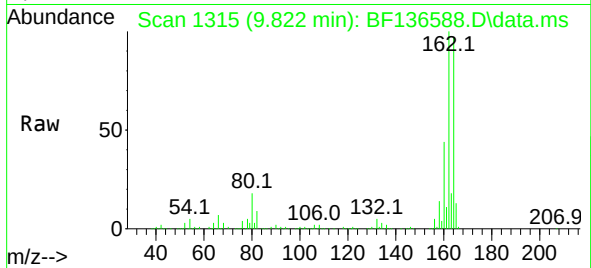
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



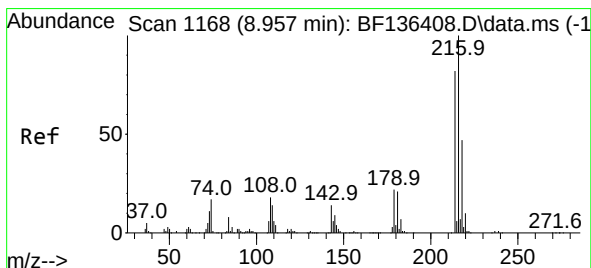
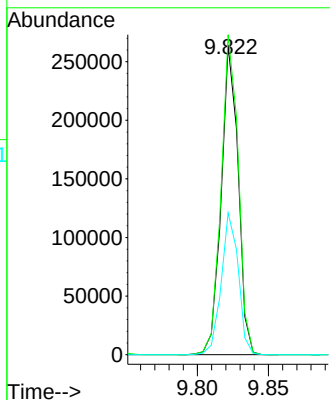
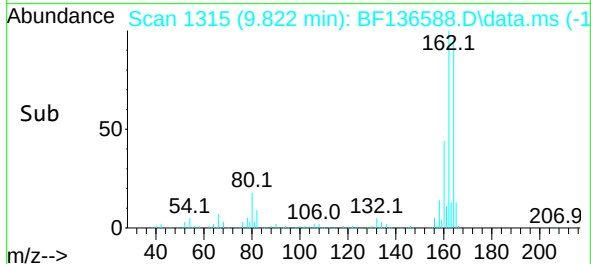
Tgt Ion:164 Resp: 21862
Ion Ratio Lower Upper
164 100
162 103.5 84.4 126.6
160 45.9 37.6 56.4

Manual Integrations

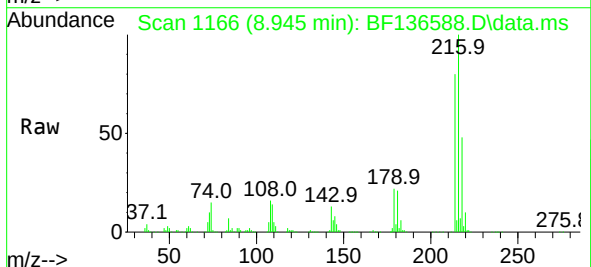
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

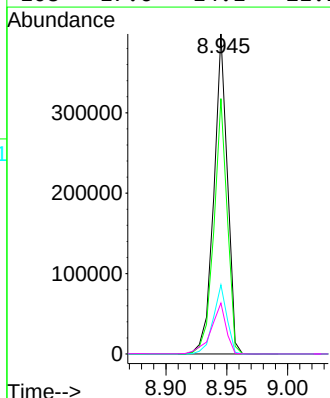
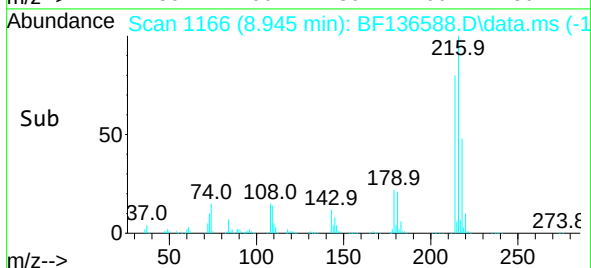
Supervised By :mohammad ahmed 12/16/2023

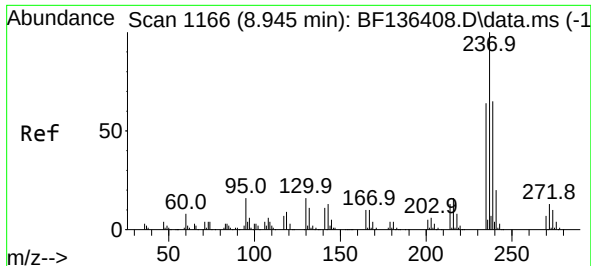


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.456 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:216 Resp: 309182
Ion Ratio Lower Upper
216 100
214 78.3 64.1 96.1
179 21.7 17.0 25.6
108 17.6 14.1 21.1





#41
Hexachlorocyclopentadiene
Concen: 76.010 ng
RT: 8.933 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

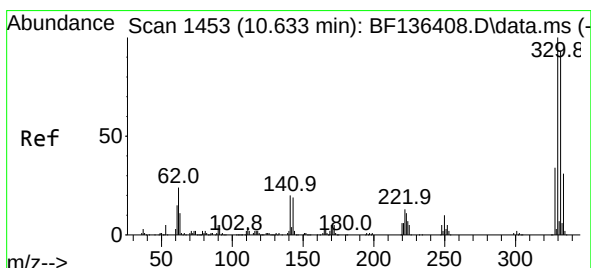
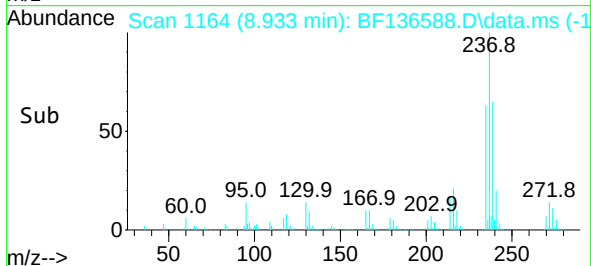
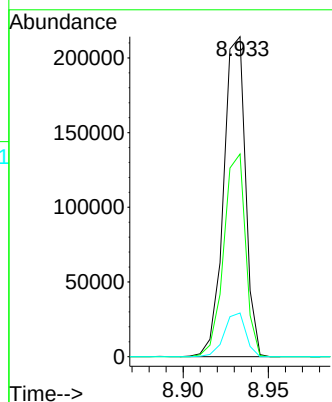
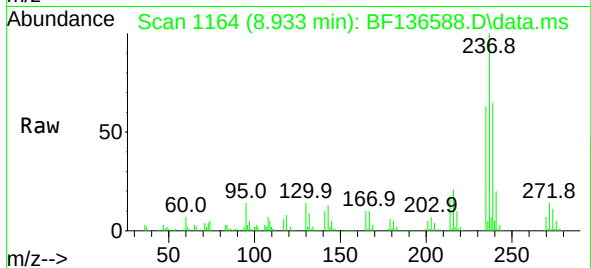
SH-SOIL-BMS

Tgt Ion:237 Resp: 191530
Ion Ratio Lower Upper
237 100
235 63.3 44.1 84.1
272 13.7 0.0 33.3

Manual Integrations

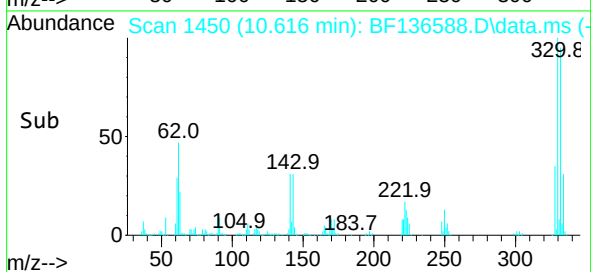
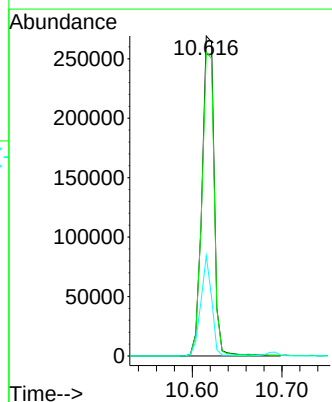
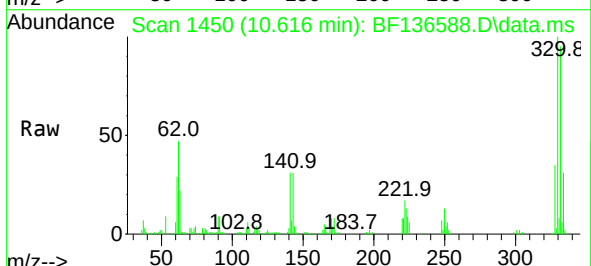
APPROVED

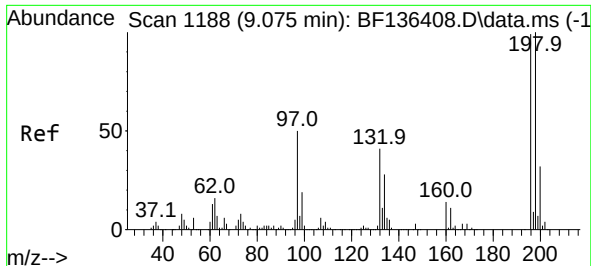
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#42
2,4,6-Tribromophenol
Concen: 94.178 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:330 Resp: 253873
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 28.0 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 42.153 ng

RT: 9.063 min Scan# 1186

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

Tgt Ion:196 Resp: 186688

Ion Ratio Lower Upper

196 100

198 99.1 80.4 120.6

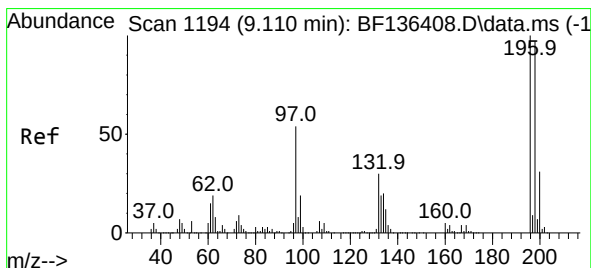
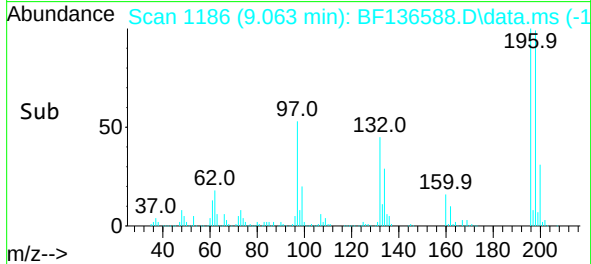
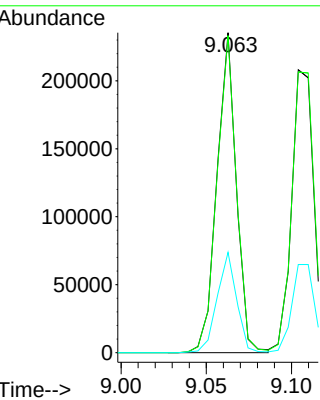
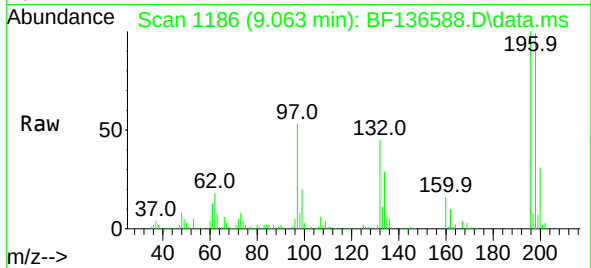
200 31.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#44

2,4,5-Trichlorophenol

Concen: 39.697 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Tgt Ion:196 Resp: 196223

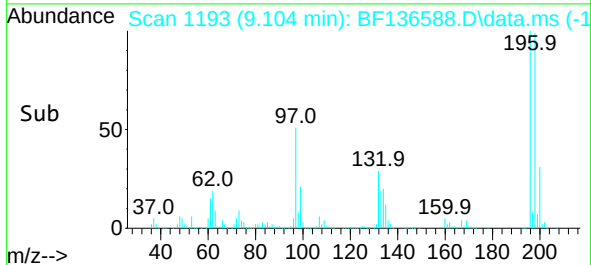
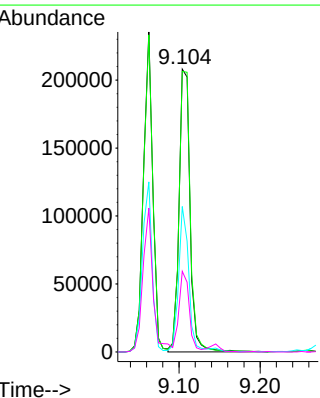
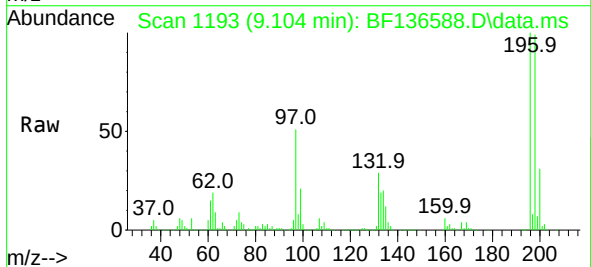
Ion Ratio Lower Upper

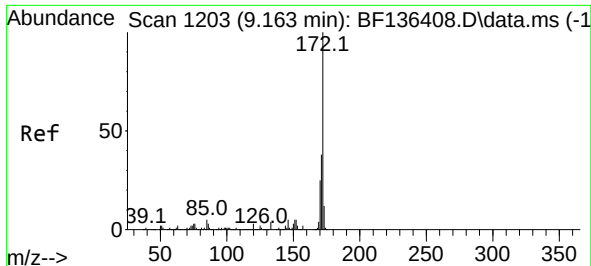
196 100

198 99.2 78.1 117.1

97 51.4 43.4 65.2

132 28.5 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 65.014 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

Tgt Ion:172 Resp: 104168

Ion Ratio Lower Upper

172 100

171 36.4 30.5 45.7

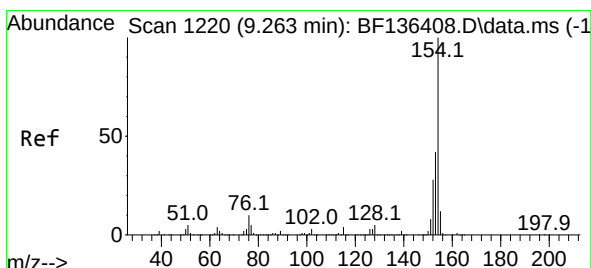
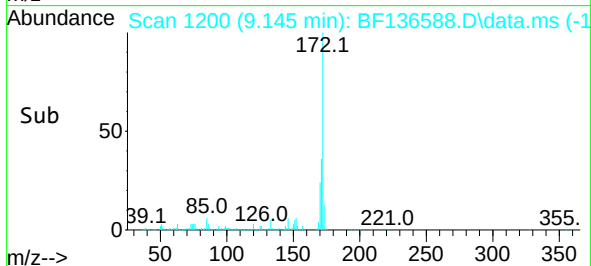
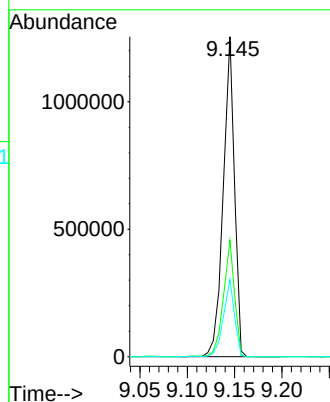
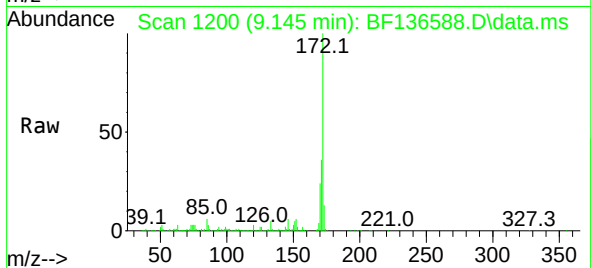
170 24.2 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#46

1,1'-Biphenyl

Concen: 43.432 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

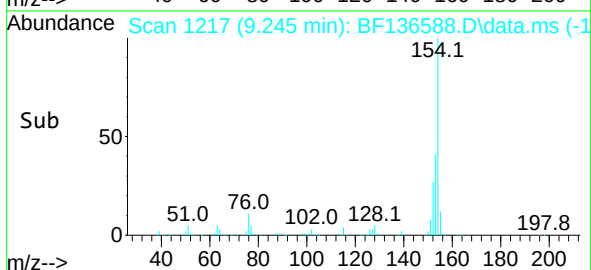
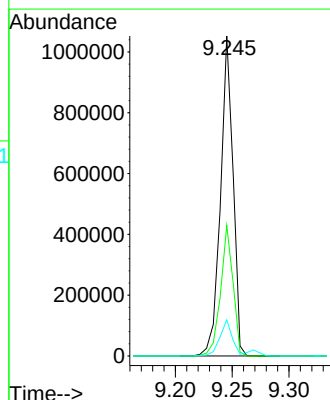
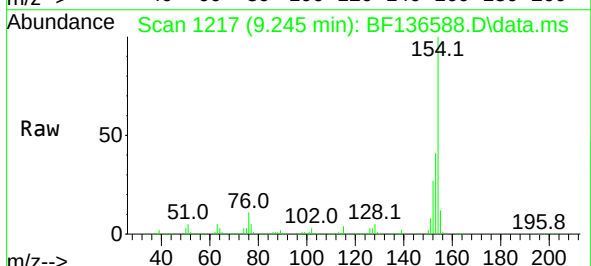
Tgt Ion:154 Resp: 807955

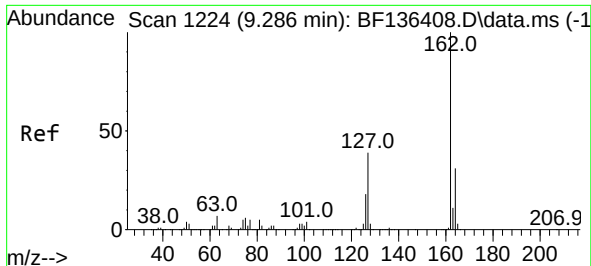
Ion Ratio Lower Upper

154 100

153 40.8 22.5 62.5

76 11.3 0.0 29.9





#47
2-Chloronaphthalene
Concen: 40.714 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

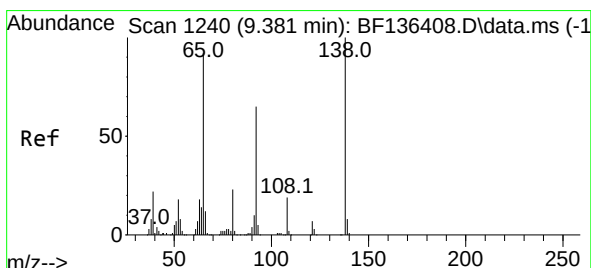
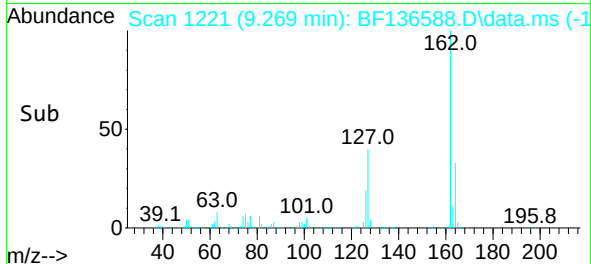
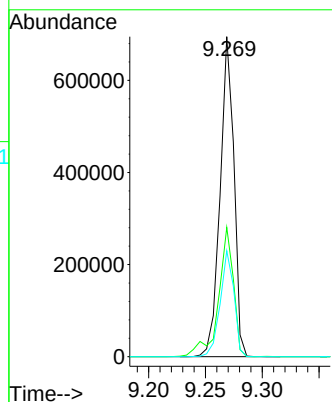
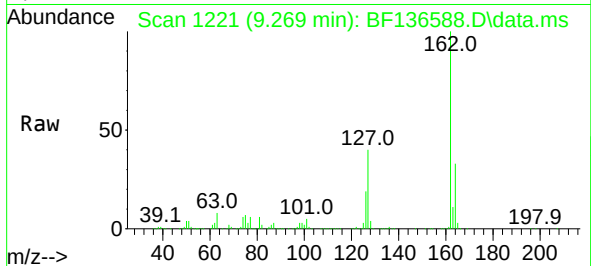
ClientSampleId :

SH-SOIL-BMS

Tgt Ion:162 Resp: 58948
Ion Ratio Lower Upper
162 100
127 40.4 31.1 46.7
164 33.1 24.6 37.0

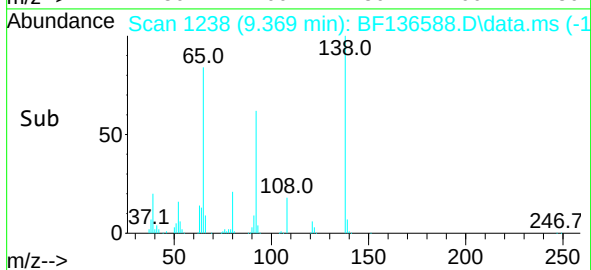
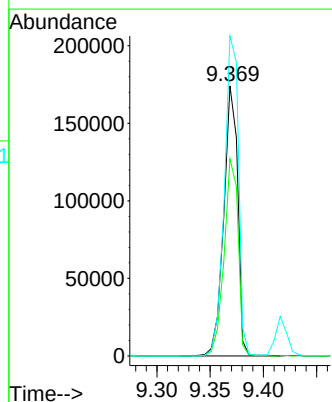
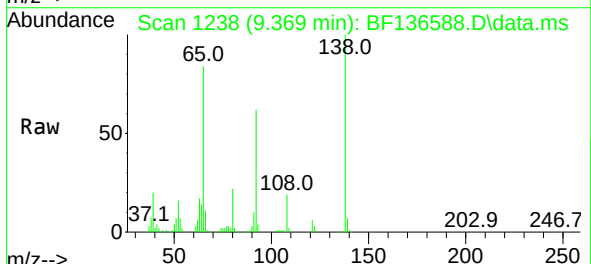
Manual Integrations
APPROVED

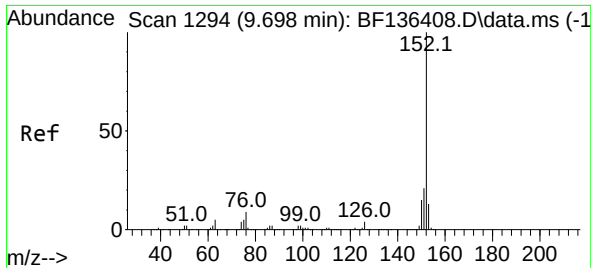
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#48
2-Nitroaniline
Concen: 40.695 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion: 65 Resp: 158030
Ion Ratio Lower Upper
65 100
92 73.0 56.1 84.1
138 118.5 86.7 130.1





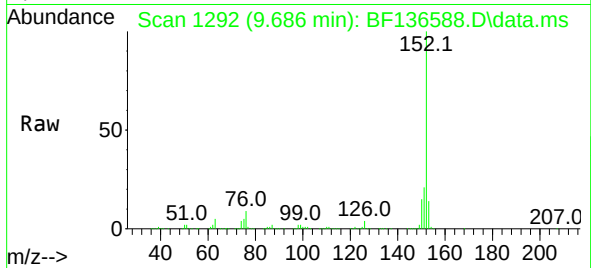
#49
Acenaphthylene
Concen: 43.720 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

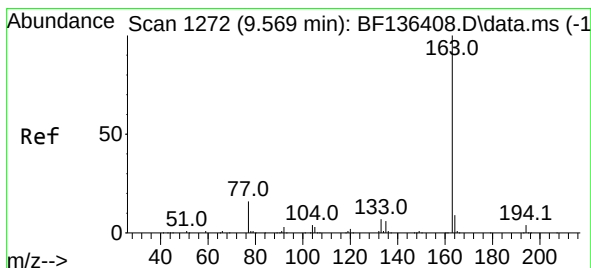
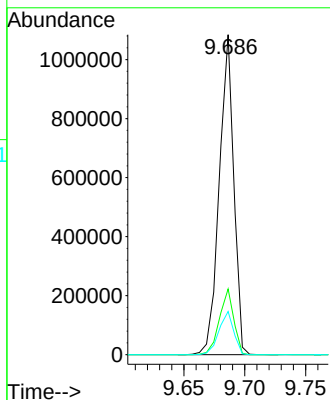
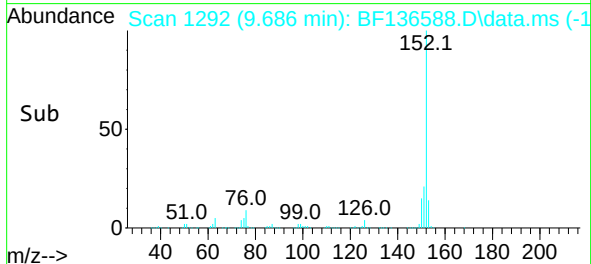


Tgt Ion:152 Resp: 901744
Ion Ratio Lower Upper
152 100
151 20.5 17.2 25.8
153 13.5 10.6 15.8

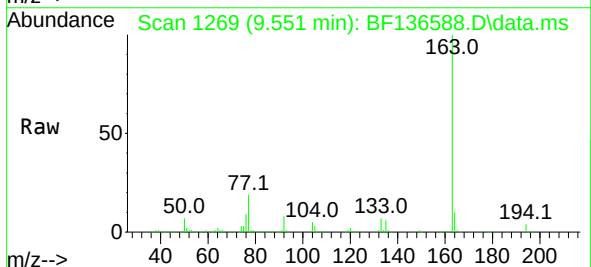
Manual Integrations

APPROVED

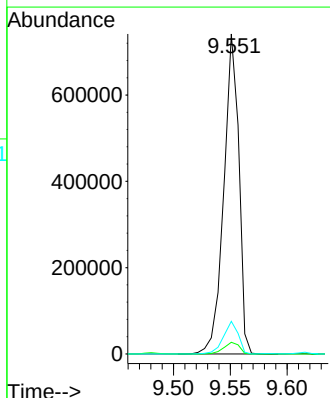
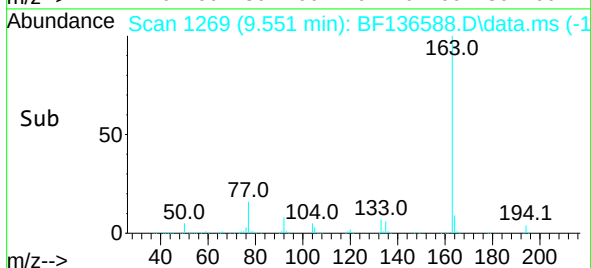
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

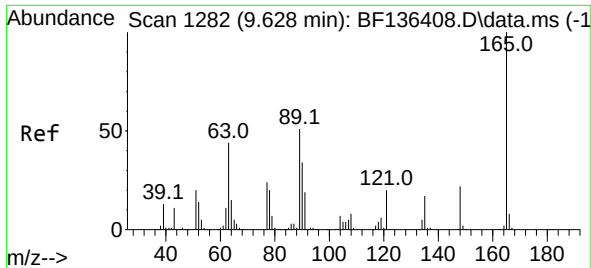


#50
Dimethylphthalate
Concen: 42.529 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:163 Resp: 684543
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.2 7.4 11.2





#51
2,6-Dinitrotoluene
Concen: 41.795 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

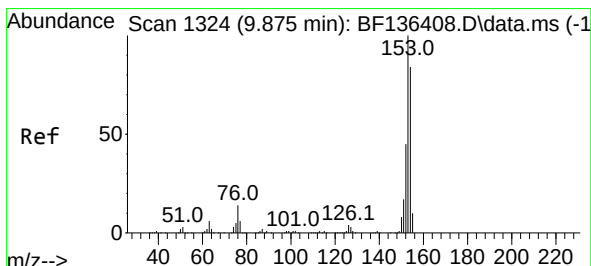
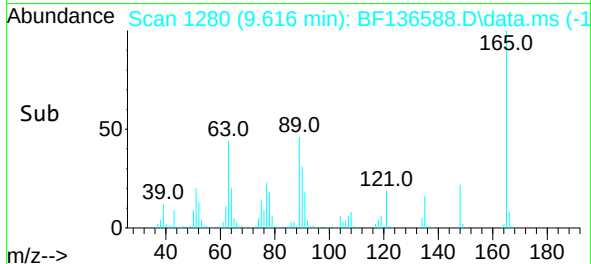
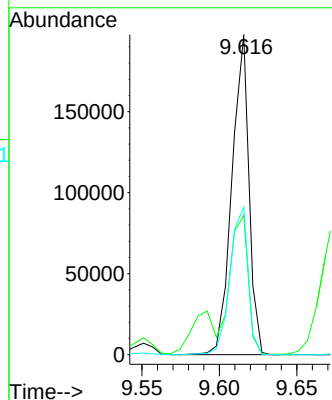
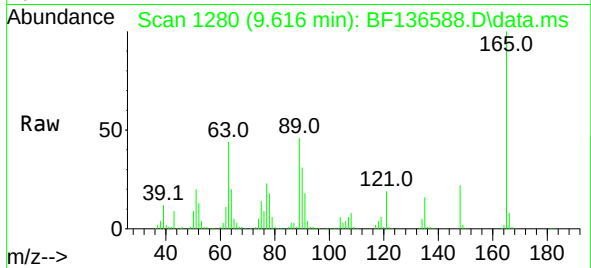
SH-SOIL-BMS

Tgt Ion:165 Resp: 151344
Ion Ratio Lower Upper
165 100
63 43.5 40.4 60.6
89 46.1 40.6 60.8

Manual Integrations

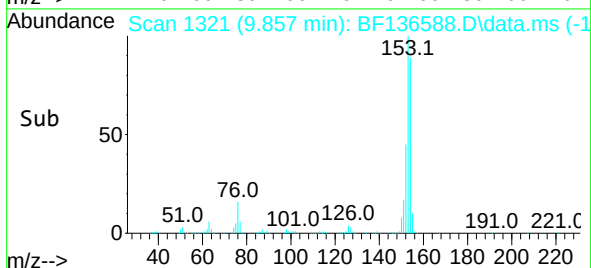
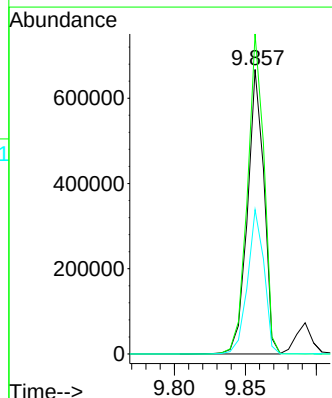
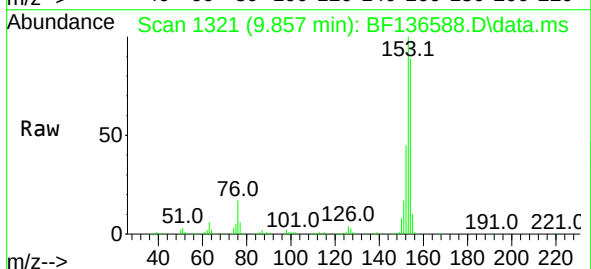
APPROVED

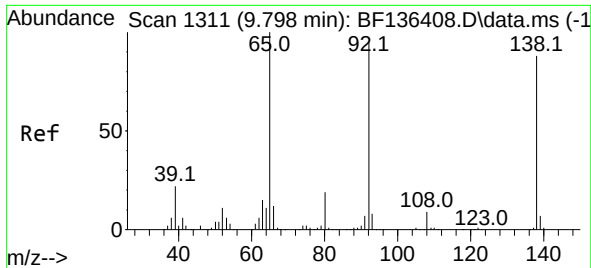
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#52
Acenaphthene
Concen: 40.784 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:154 Resp: 539046
Ion Ratio Lower Upper
154 100
153 112.5 95.3 142.9
152 50.7 43.2 64.8





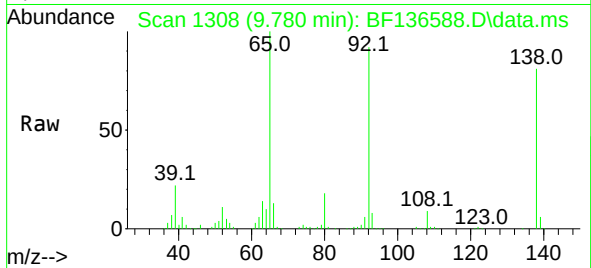
#53
3-Nitroaniline
Concen: 31.207 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



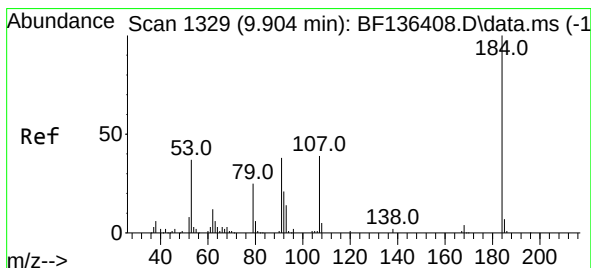
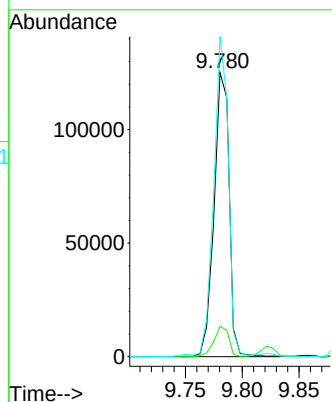
Tgt Ion:138 Resp: 11539
Ion Ratio Lower Upper
138 100
108 10.7 8.5 12.7
92 112.7 86.1 129.1

Manual Integrations

APPROVED

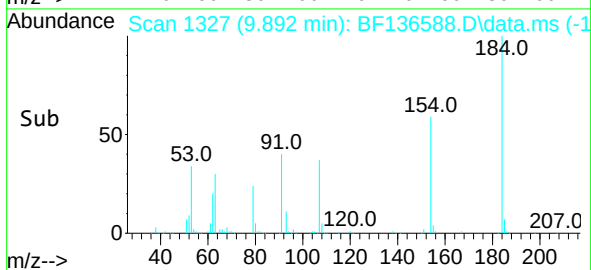
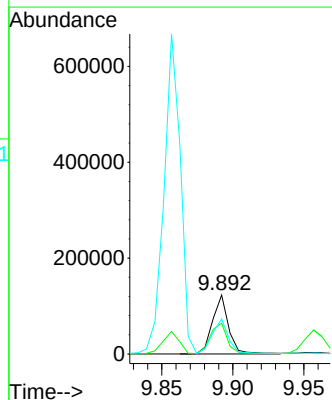
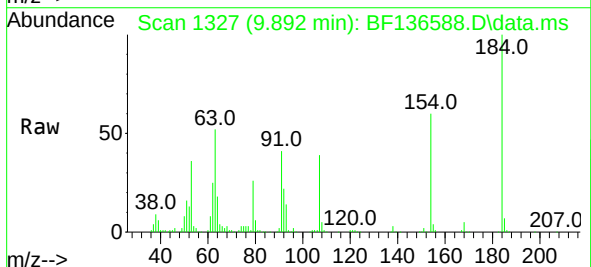
Reviewed By :Yogesh Patel 12/16/2023

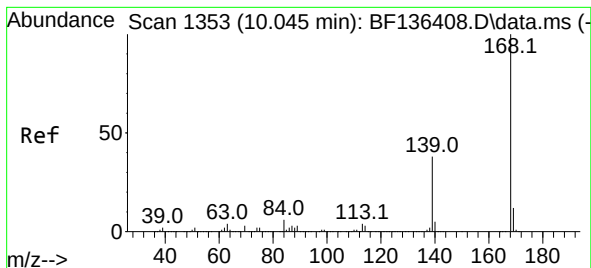
Supervised By :mohammad ahmed 12/16/2023



#54
2,4-Dinitrophenol
Concen: 52.893 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:184 Resp: 96839
Ion Ratio Lower Upper
184 100
63 52.4 39.1 58.7
154 59.6 49.9 74.9





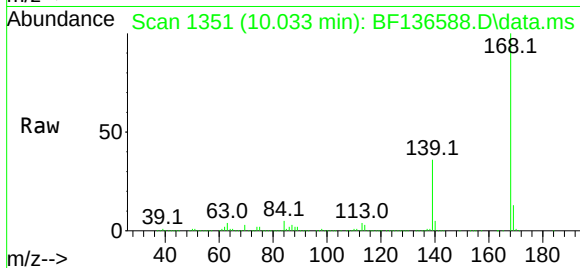
#55
Dibenzenofuran
Concen: 41.340 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

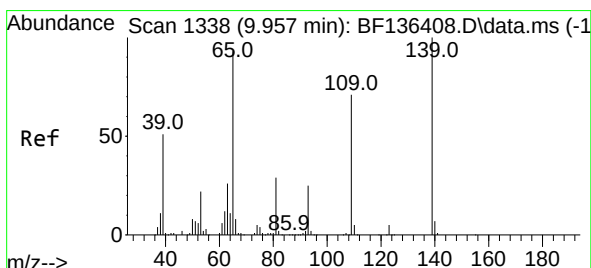
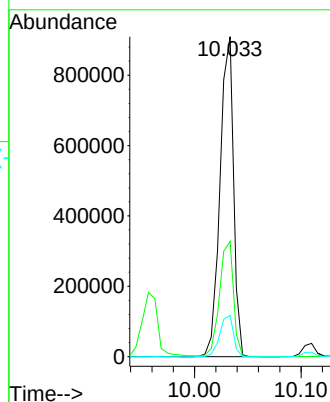
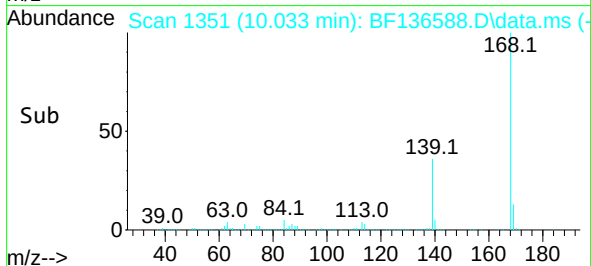


Tgt Ion:168 Resp: 798222
Ion Ratio Lower Upper
168 100
139 36.1 30.4 45.6
169 12.9 9.9 14.9

Manual Integrations

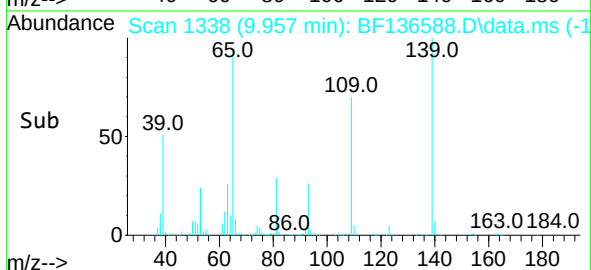
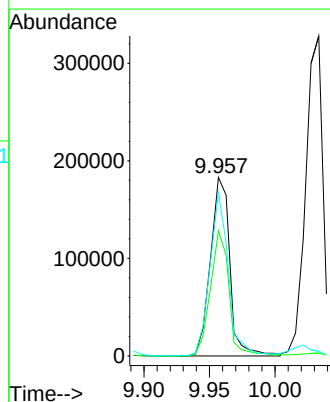
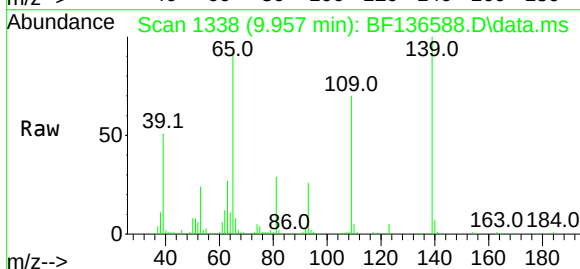
APPROVED

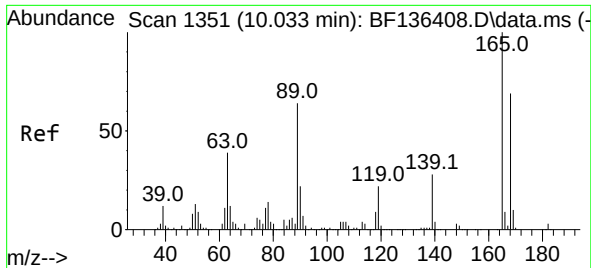
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#56
4-Nitrophenol
Concen: 67.983 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:139 Resp: 188451
Ion Ratio Lower Upper
139 100
109 70.1 50.6 90.6
65 91.4 73.1 113.1





#57
2,4-Dinitrotoluene
Concen: 39.545 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

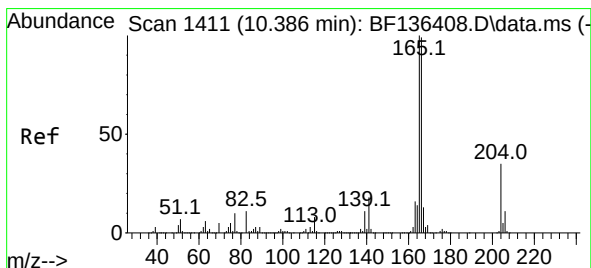
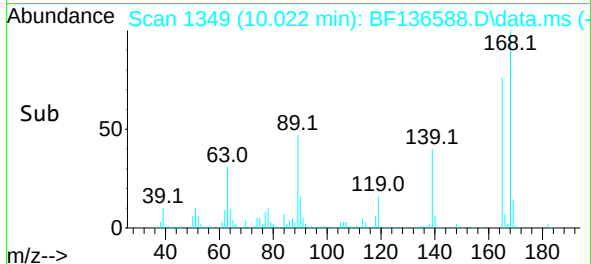
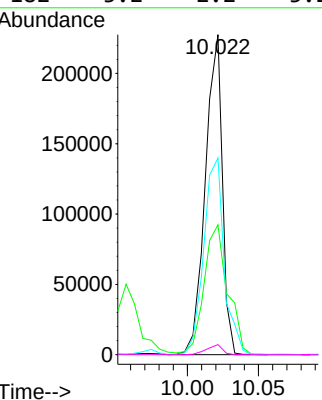
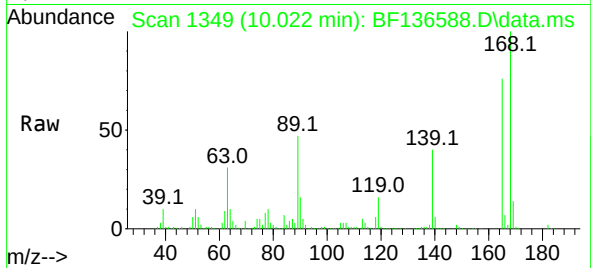
SH-SOIL-BMS

Tgt Ion:165 Resp: 18943
Ion Ratio Lower Upper
165 100
63 40.6 31.4 47.2
89 61.4 51.7 77.5
182 3.2 2.2 3.2

Manual Integrations

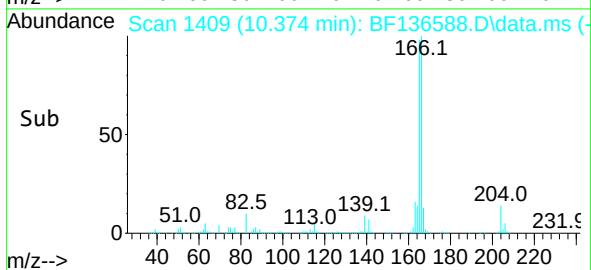
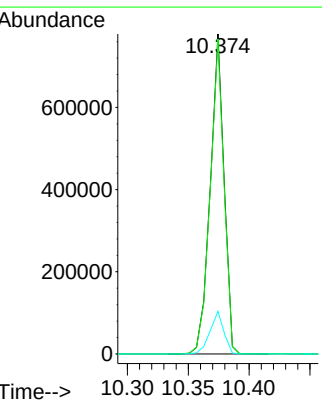
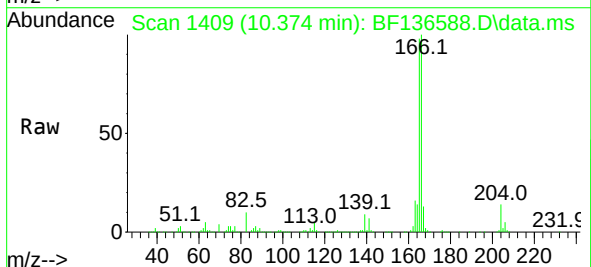
APPROVED

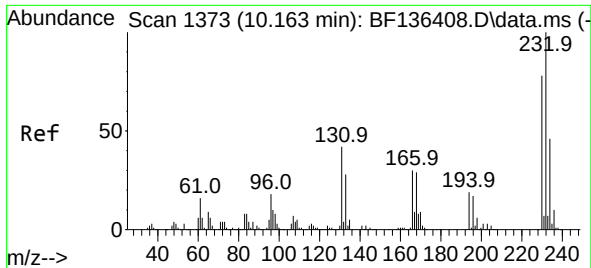
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#58
Fluorene
Concen: 39.735 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

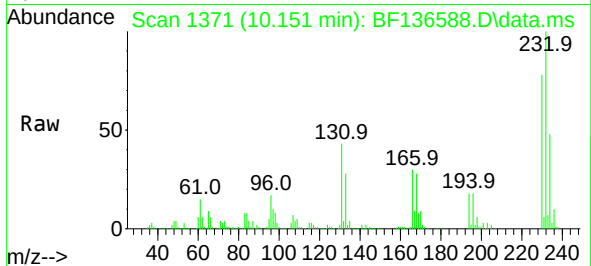
Tgt Ion:166 Resp: 615871
Ion Ratio Lower Upper
166 100
165 98.4 80.5 120.7
167 13.3 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.023 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

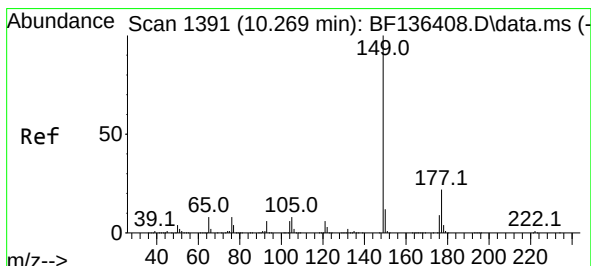
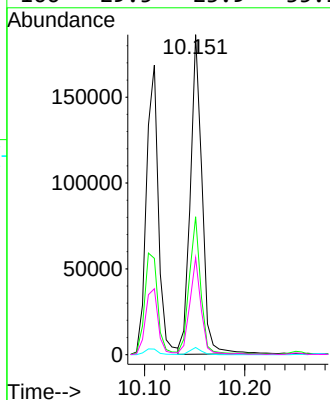
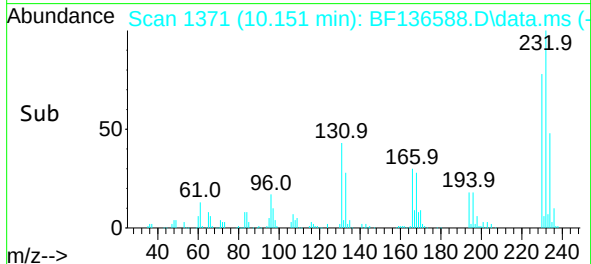
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMS



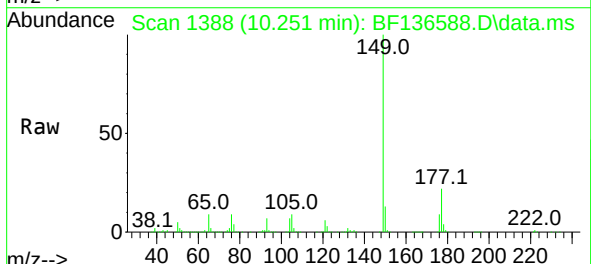
Tgt Ion:232 Resp: 150549
Ion Ratio Lower Upper
232 100
131 42.3 34.3 51.5
130 2.2 1.6 2.4
166 29.5 23.9 35.9

Manual Integrations
APPROVED

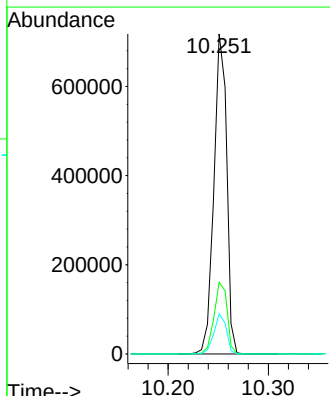
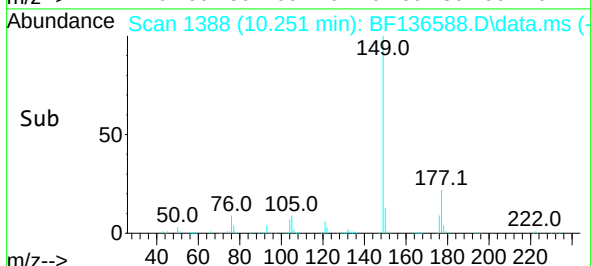
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

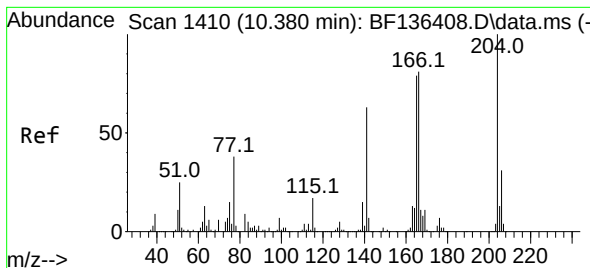


#60
Diethylphthalate
Concen: 40.177 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:149 Resp: 635912
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.8
150 12.5 9.4 14.0





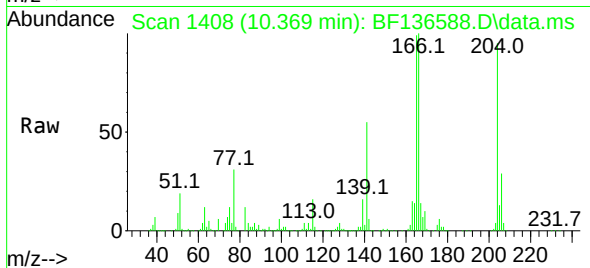
#61
4-Chlorophenyl-phenylether
Concen: 40.676 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

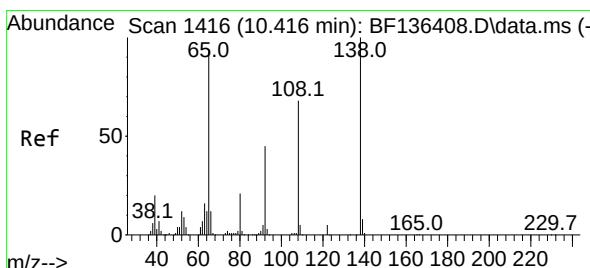
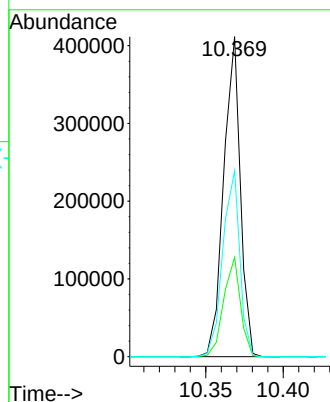
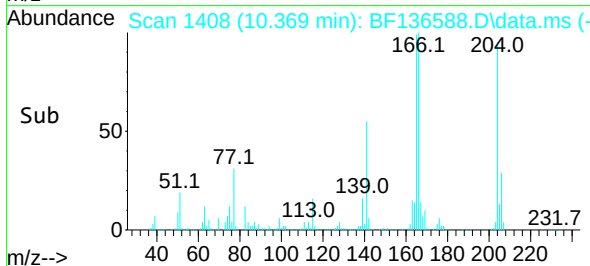


Tgt Ion:204 Resp: 30734
Ion Ratio Lower Upper
204 100
206 31.1 24.6 36.8
141 58.1 50.3 75.5

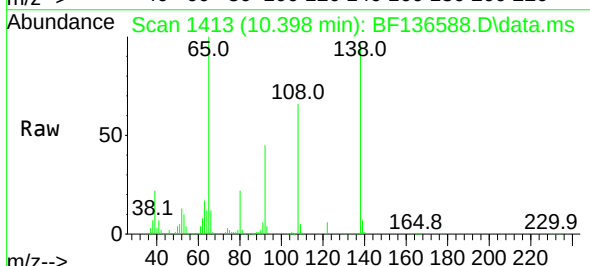
Manual Integrations

APPROVED

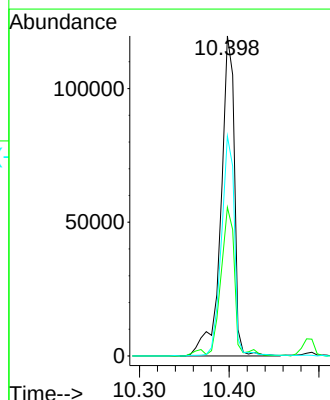
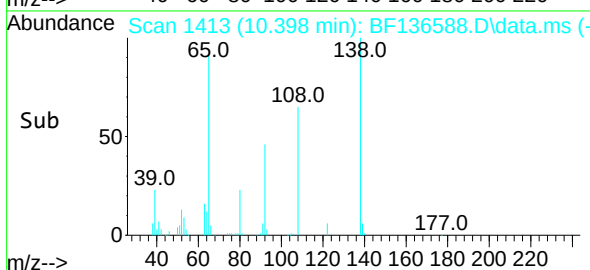
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

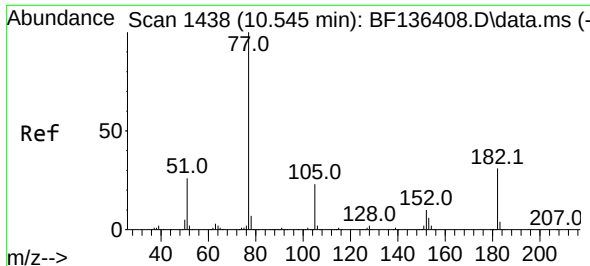


#62
4-Nitroaniline
Concen: 34.109 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:138 Resp: 125240
Ion Ratio Lower Upper
138 100
92 46.4 25.0 65.0
108 68.7 47.9 87.9





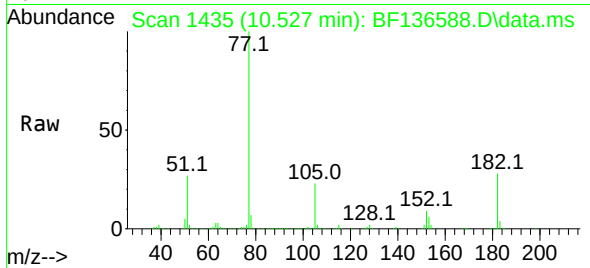
#63
Azobenzene
Concen: 37.948 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

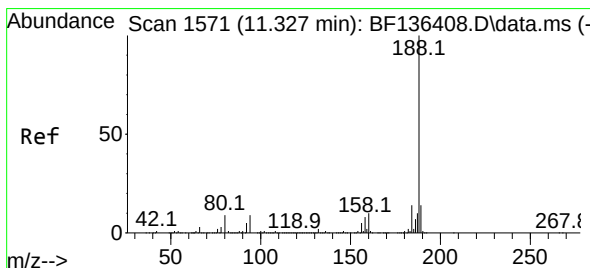
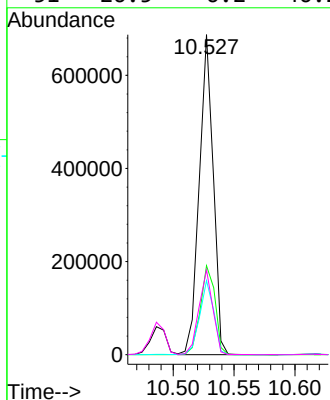
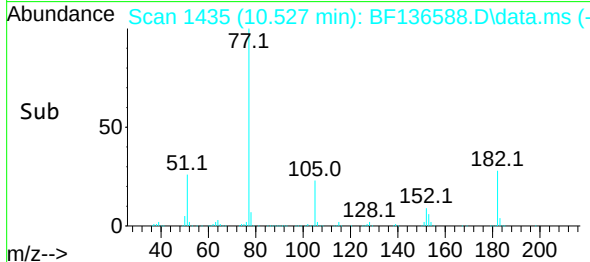


Tgt Ion: 77 Resp: 546699
Ion Ratio Lower Upper
77 100
182 27.8 10.8 50.8
105 23.2 2.6 42.6
51 26.5 6.2 46.2

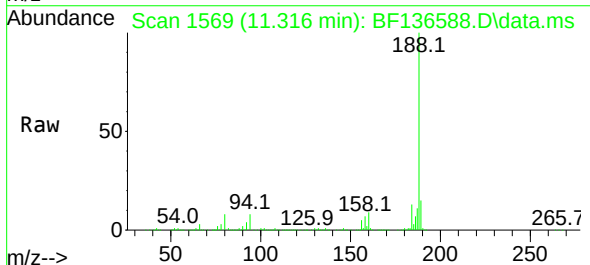
Manual Integrations

APPROVED

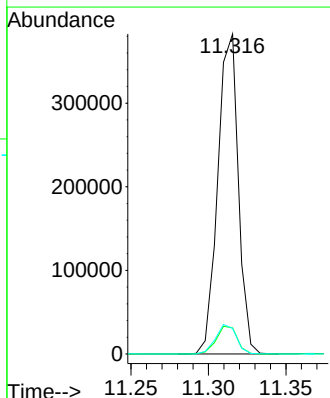
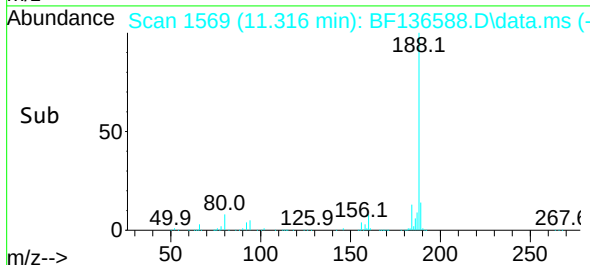
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

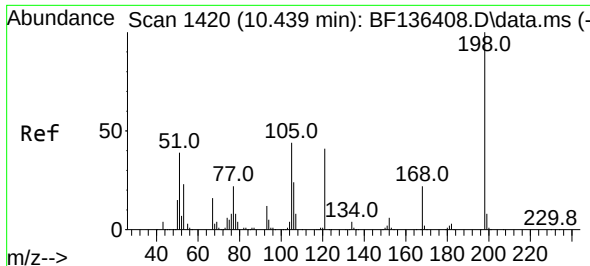


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:188 Resp: 352467
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.0 7.2 10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 34.054 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

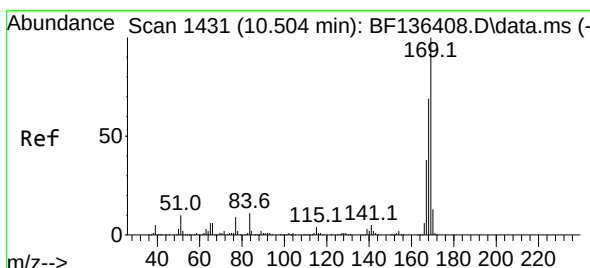
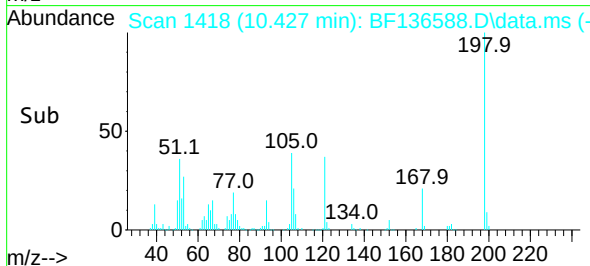
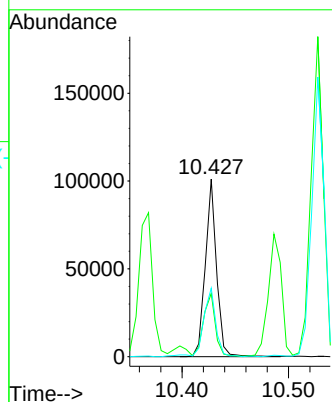
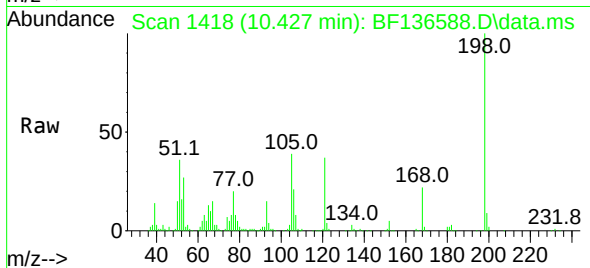
SH-SOIL-BMS

Tgt Ion:198 Resp: 74330
Ion Ratio Lower Upper
198 100
51 35.6 24.1 64.1
105 38.6 24.8 64.8

Manual Integrations

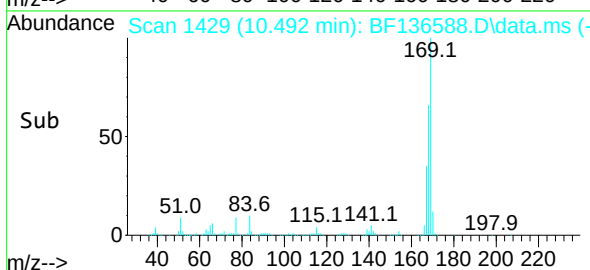
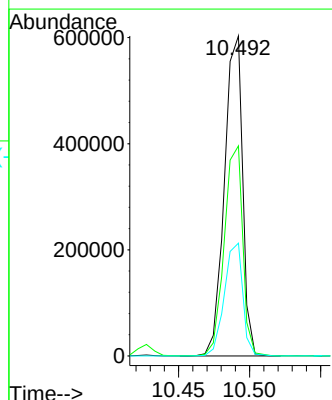
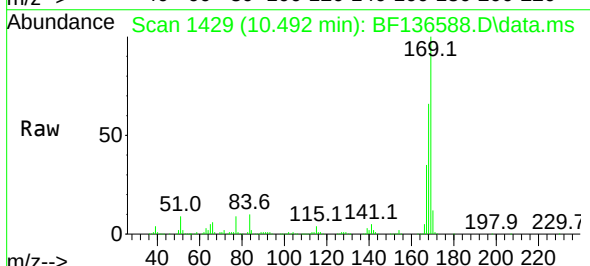
APPROVED

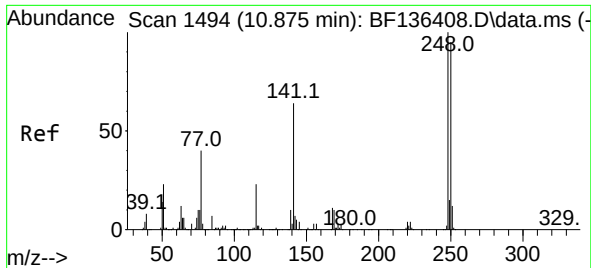
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#66
n-Nitrosodiphenylamine
Concen: 47.493 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:169 Resp: 537140
Ion Ratio Lower Upper
169 100
168 65.6 55.3 82.9
167 35.2 30.1 45.1





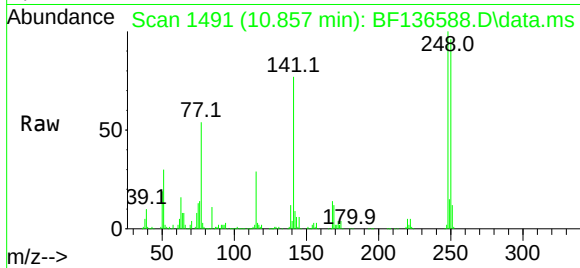
#67
4-Bromophenyl-phenylether
Concen: 45.307 ng
RT: 10.857 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS



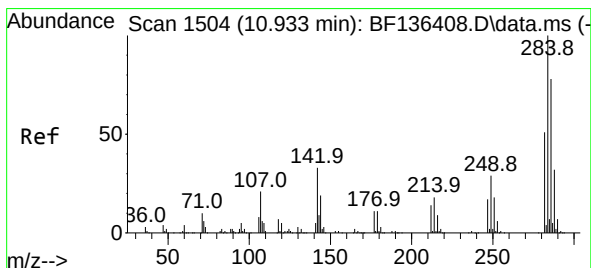
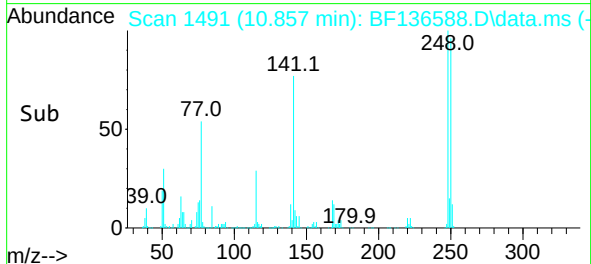
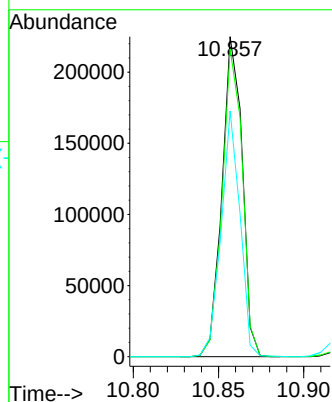
Tgt Ion:248 Resp: 18566
Ion Ratio Lower Upper
248 100
250 96.1 76.2 114.2
141 76.8 51.0 76.4

Manual Integrations

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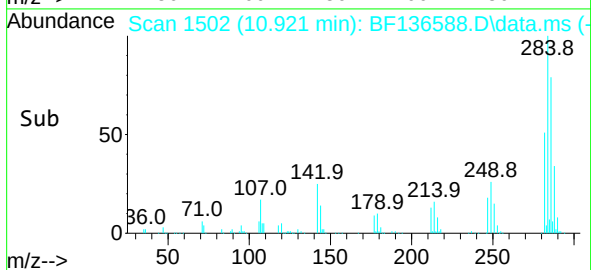
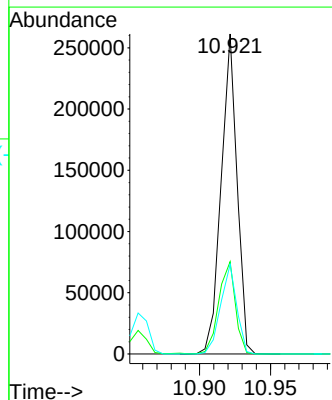
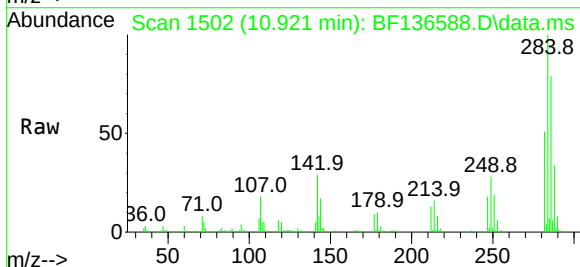
Reviewed By :Yogesh Patel 12/16/2023

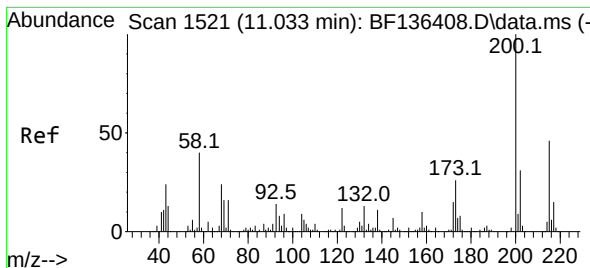
Supervised By :mohammad ahmed 12/16/2023



#68
Hexachlorobenzene
Concen: 42.838 ng
RT: 10.921 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:284 Resp: 202895
Ion Ratio Lower Upper
284 100
142 28.8 26.5 39.7
249 28.0 23.4 35.0





#69

Atrazine

Concen: 53.402 ng

RT: 11.021 min Scan# 1519

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

Tgt Ion:200 Resp: 17238

Ion Ratio Lower Upper

200 100

173 26.2 6.0 46.0

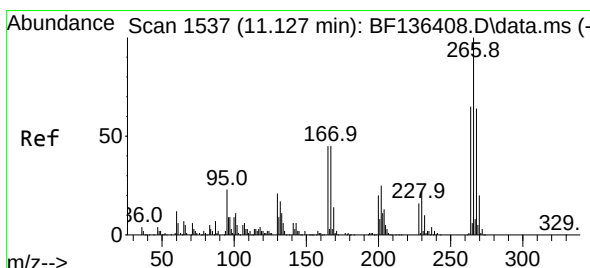
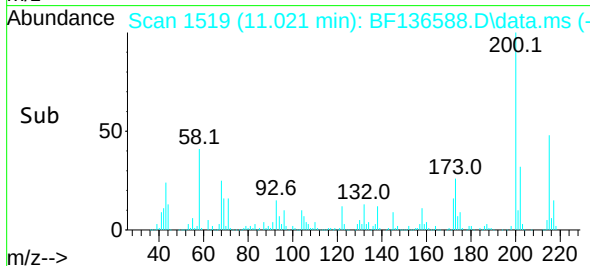
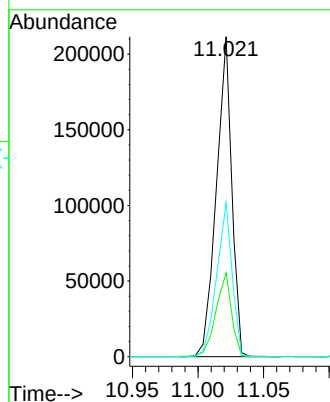
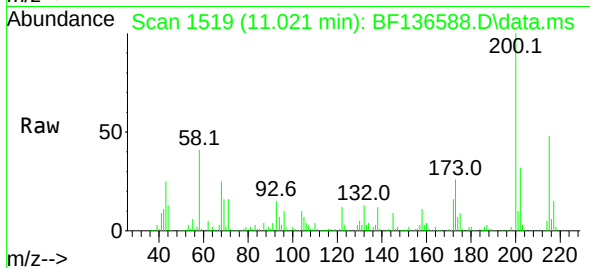
215 48.1 25.5 65.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#70

Pentachlorophenol

Concen: 66.555 ng

RT: 11.121 min Scan# 1536

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

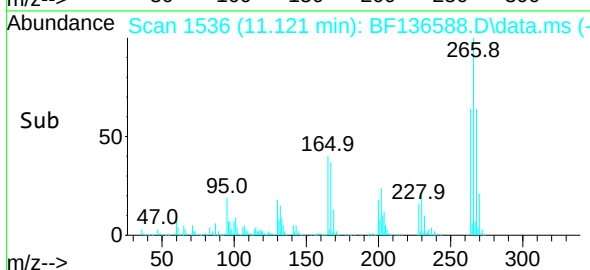
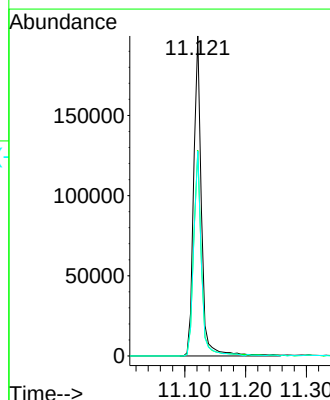
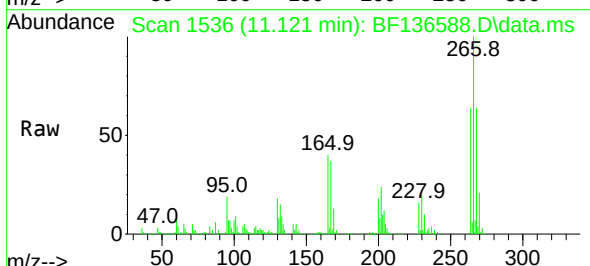
Tgt Ion:266 Resp: 177910

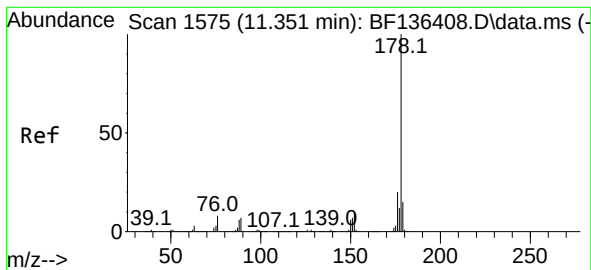
Ion Ratio Lower Upper

266 100

268 64.3 51.0 76.6

264 64.0 52.2 78.4





#71

Phenanthrene

Concen: 42.161 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

Tgt Ion:178 Resp: 816792

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

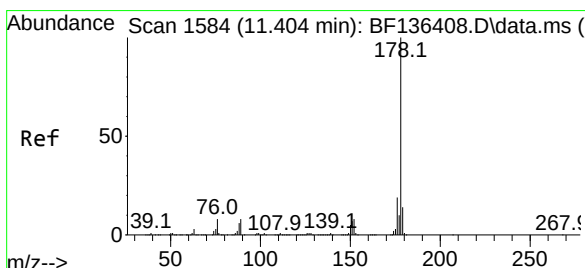
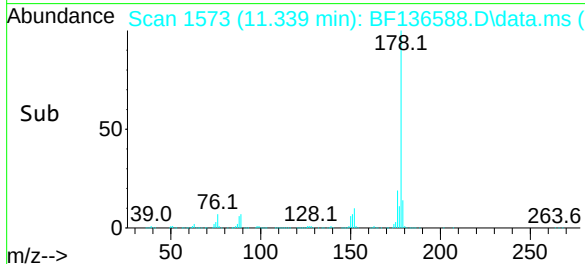
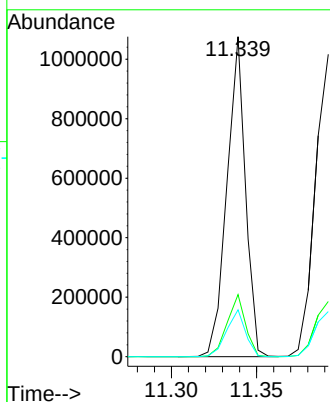
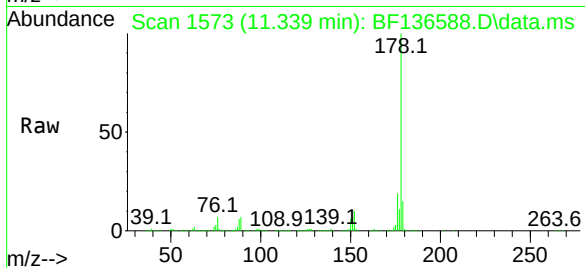
179 14.7 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#72

Anthracene

Concen: 41.792 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

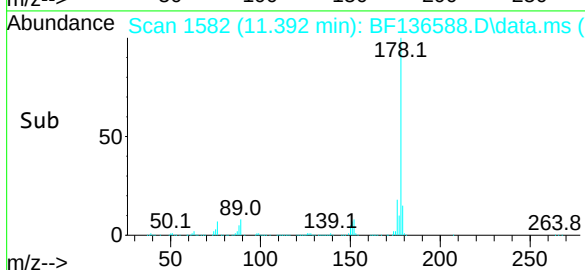
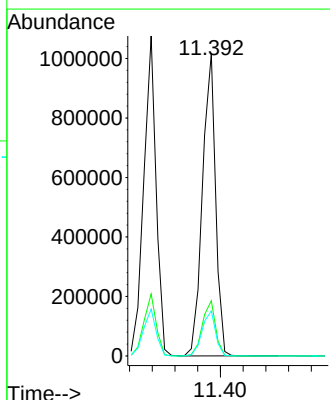
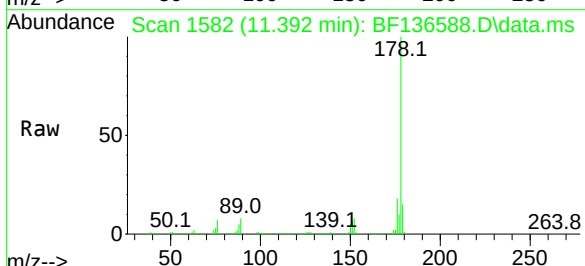
Tgt Ion:178 Resp: 815489

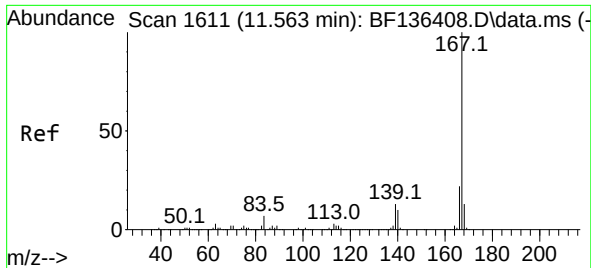
Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

179 14.9 11.4 17.0





#73
 Carbazole
 Concen: 38.172 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF136588.D
 Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

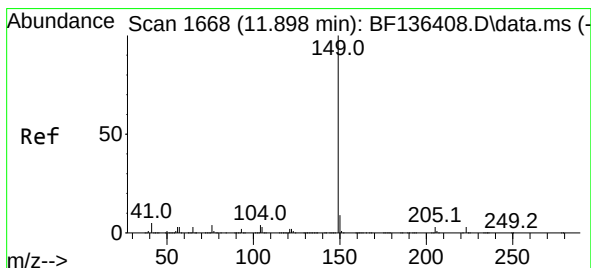
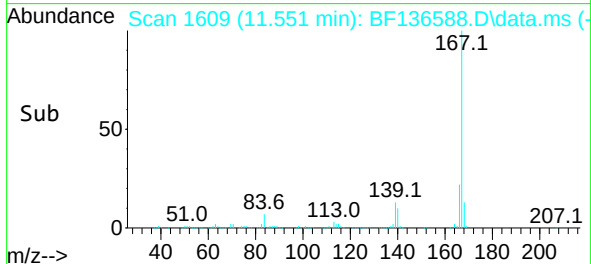
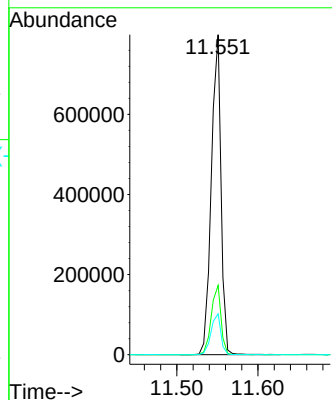
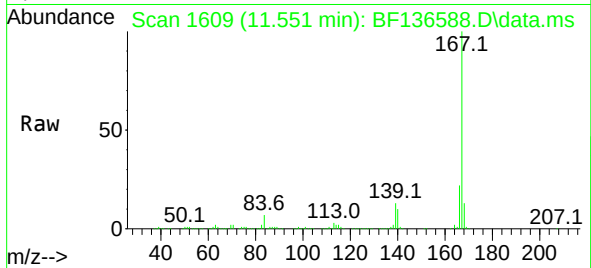
SH-SOIL-BMS

Tgt Ion:167 Resp: 659250
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.0 27.0
 139 12.8 10.2 15.4

Manual Integrations

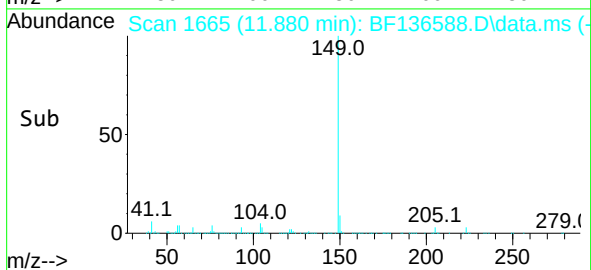
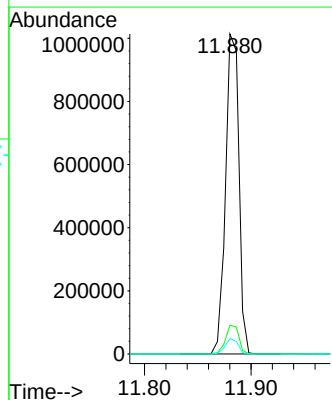
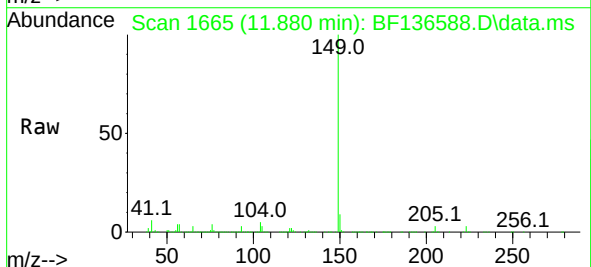
APPROVED

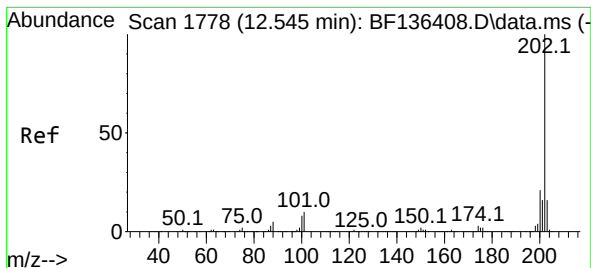
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023



#74
 Di-n-butylphthalate
 Concen: 41.539 ng
 RT: 11.880 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF136588.D
 Acq: 15 Dec 2023 12:42

Tgt Ion:149 Resp: 879467
 Ion Ratio Lower Upper
 149 100
 150 9.0 6.9 10.3
 104 4.8 3.5 5.3





#75

Fluoranthene

Concen: 35.224 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

Tgt Ion:202 Resp: 715119

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.9

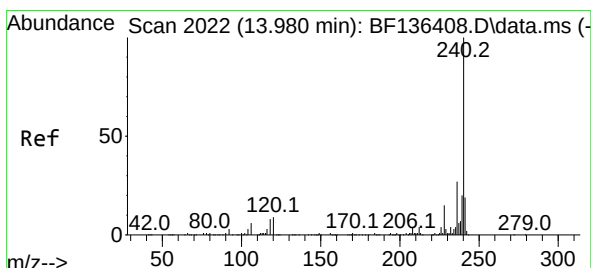
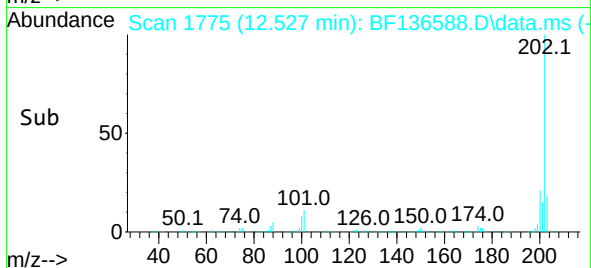
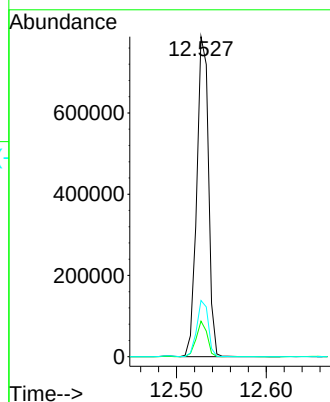
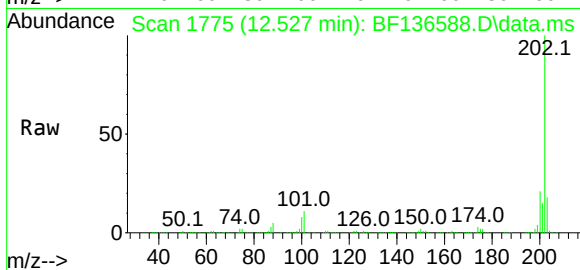
203 17.5 0.0 36.3

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: 13.962 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

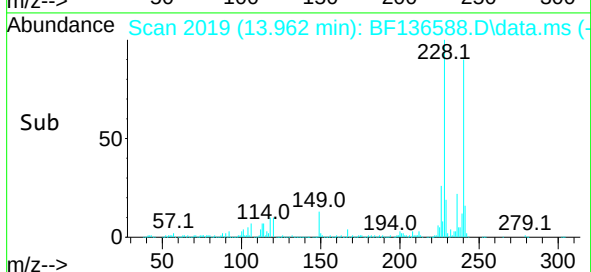
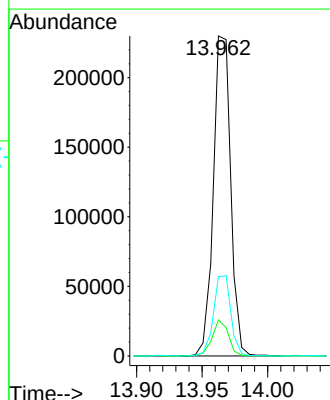
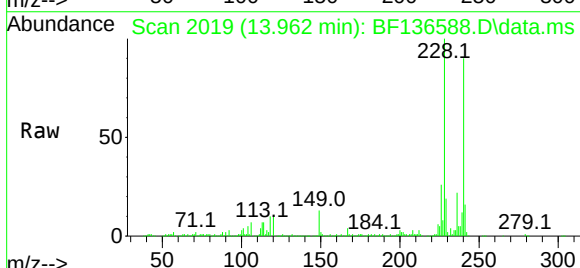
Tgt Ion:240 Resp: 211964

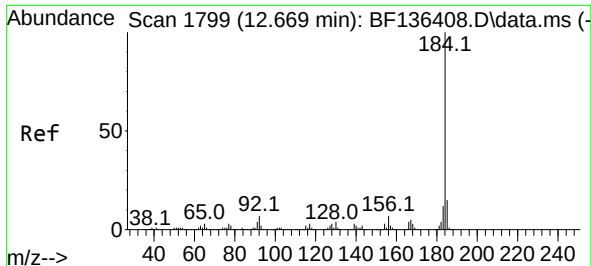
Ion Ratio Lower Upper

240 100

120 11.3 7.3 10.9#

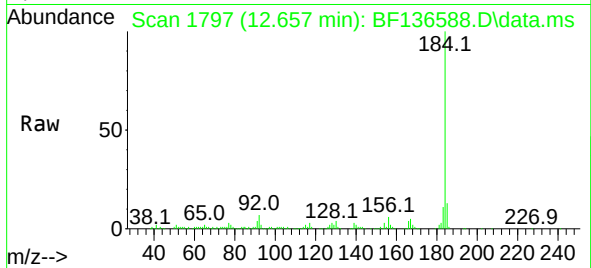
236 24.8 21.3 31.9





#77
Benzidine
Concen: 29.367 ng
RT: 12.657 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

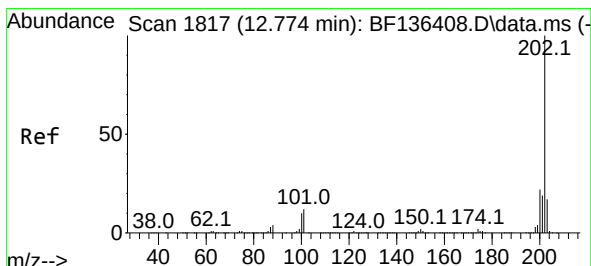
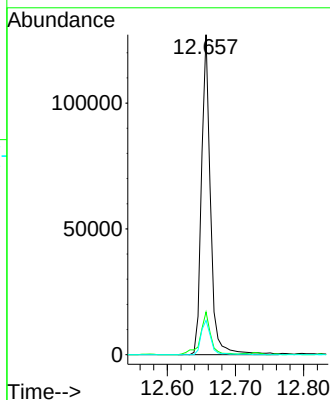
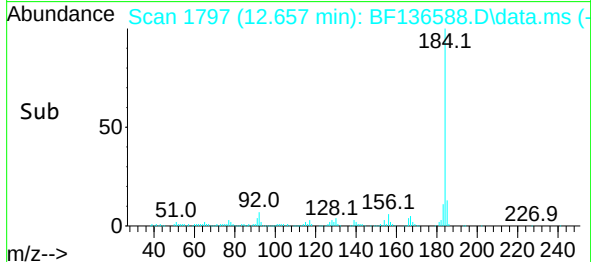
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMS



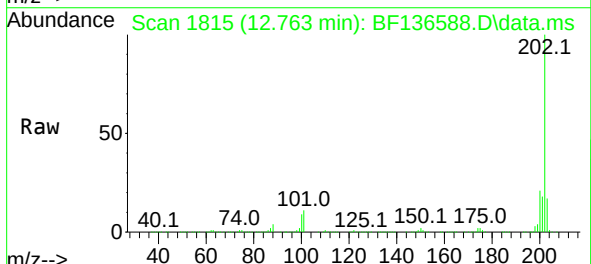
Tgt Ion:184 Resp: 11712
Ion Ratio Lower Upper
184 100
185 13.3 12.0 18.0
183 10.7 9.4 14.0

Manual Integrations
APPROVED

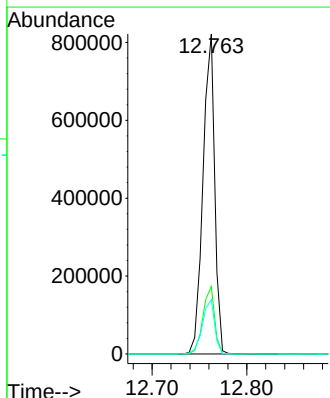
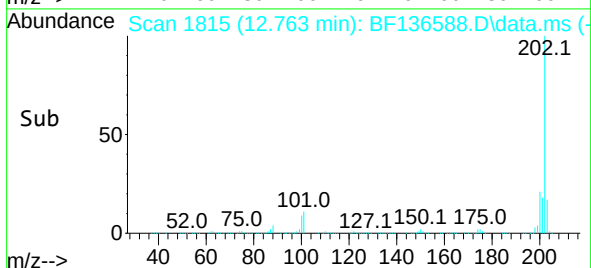
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

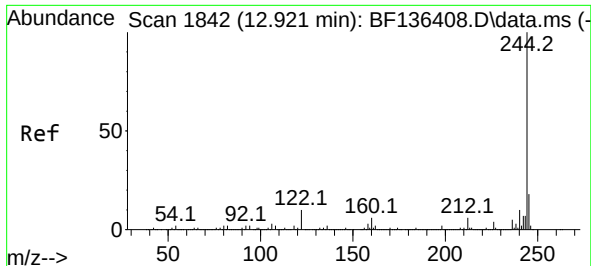


#78
Pyrene
Concen: 33.846 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:202 Resp: 702599
Ion Ratio Lower Upper
202 100
200 21.1 18.0 27.0
203 17.0 13.5 20.3





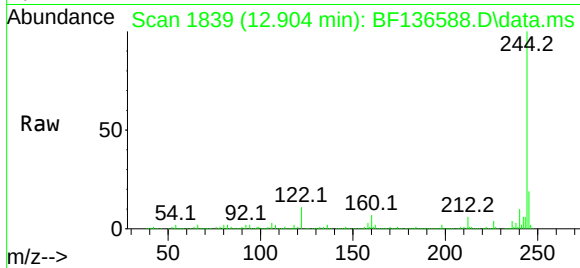
#79
 Terphenyl-d14
 Concen: 48.741 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136588.D
 Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

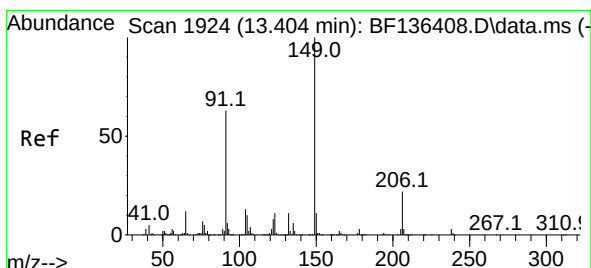
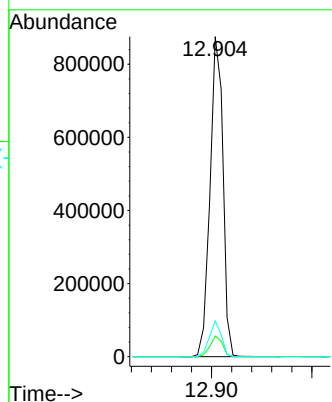
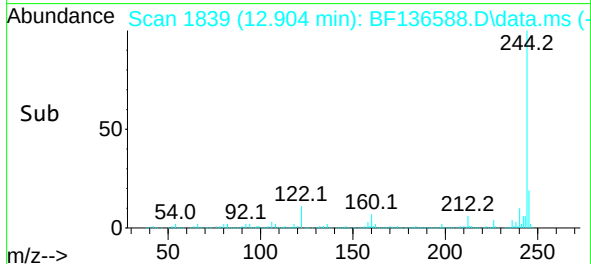


Tgt Ion:244 Resp: 78383
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 11.2 8.3 12.5

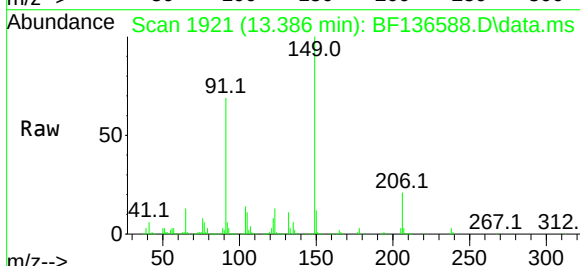
Manual Integrations

APPROVED

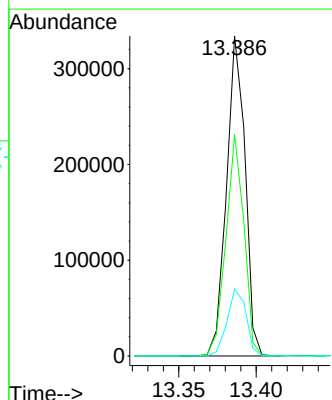
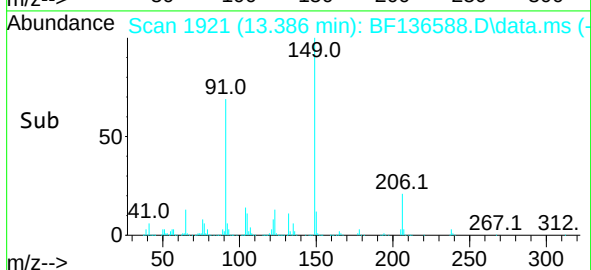
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

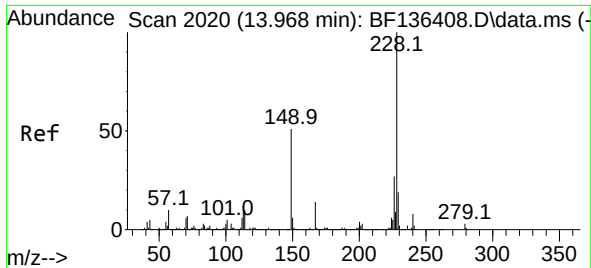


#80
 Butylbenzylphthalate
 Concen: 37.633 ng
 RT: 13.386 min Scan# 1921
 Delta R.T. -0.000 min
 Lab File: BF136588.D
 Acq: 15 Dec 2023 12:42



Tgt Ion:149 Resp: 278099
 Ion Ratio Lower Upper
 149 100
 91 69.2 50.5 75.7
 206 20.9 17.4 26.2





#81
Benzo(a)anthracene
Concen: 41.702 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

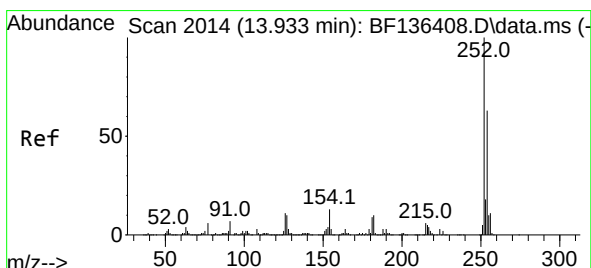
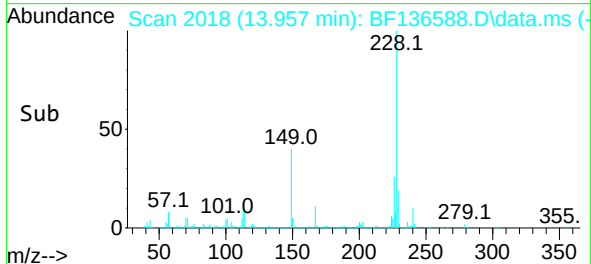
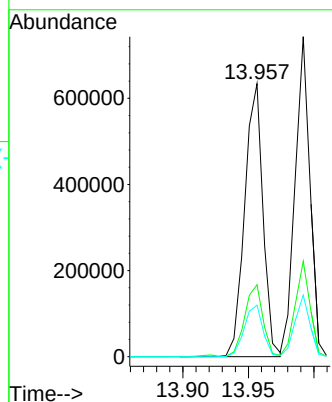
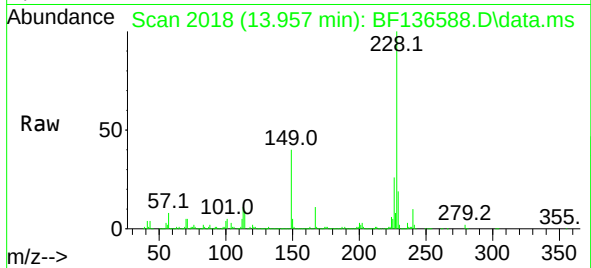
SH-SOIL-BMS

Tgt Ion:228 Resp: 61571
Ion Ratio Lower Upper
228 100
226 26.4 21.8 32.8
229 18.9 15.0 22.4

Manual Integrations

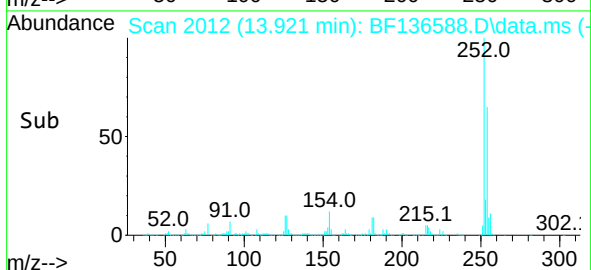
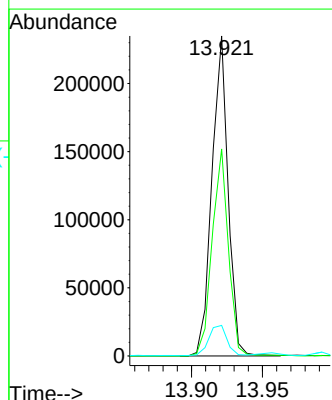
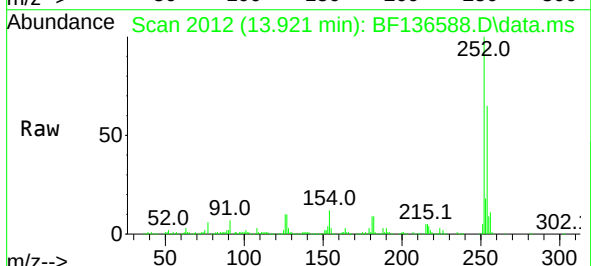
APPROVED

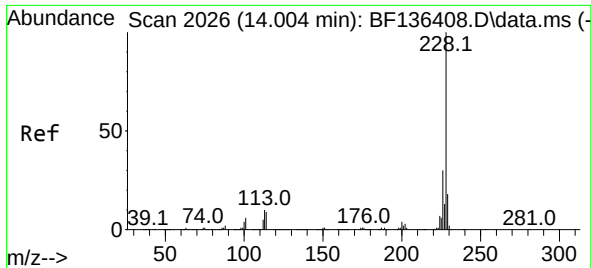
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#82
3,3'-Dichlorobenzidine
Concen: 44.877 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:252 Resp: 185779
Ion Ratio Lower Upper
252 100
254 64.7 50.8 76.2
126 9.6 8.6 12.8





#83
Chrysene
Concen: 40.375 ng
RT: 13.992 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

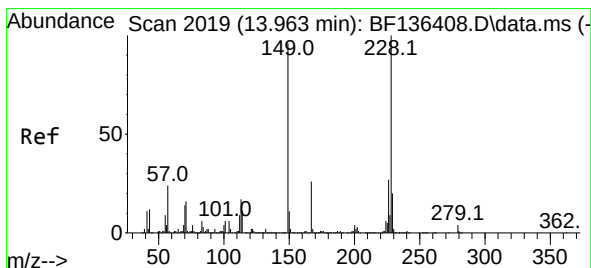
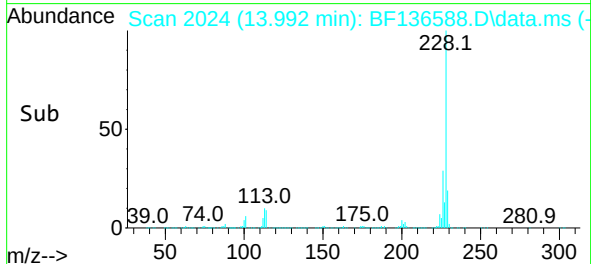
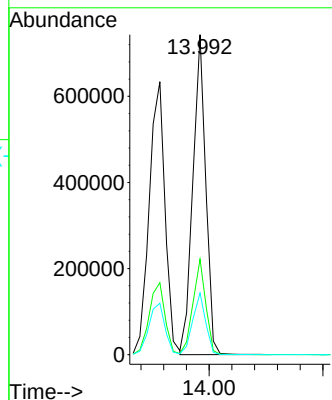
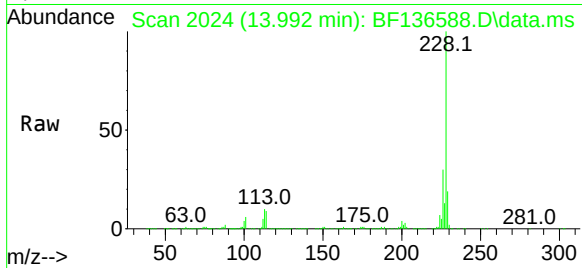
SH-SOIL-BMS

Tgt Ion:228 Resp: 586490
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 19.2 14.8 22.2

Manual Integrations

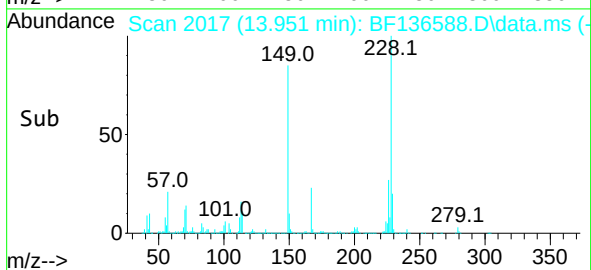
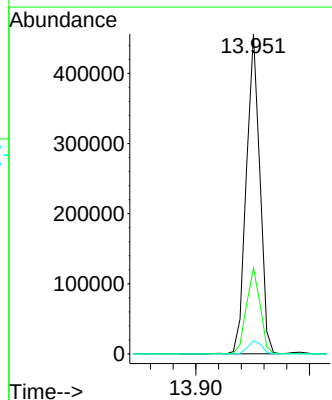
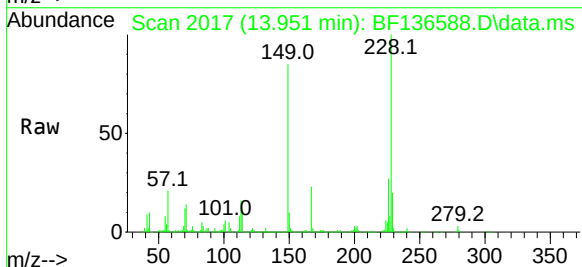
APPROVED

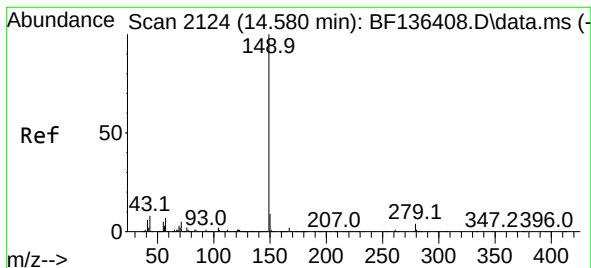
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.600 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:149 Resp: 376862
Ion Ratio Lower Upper
149 100
167 26.9 21.2 31.8
279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 49.673 ng

RT: 14.568 min Scan# 2124

Delta R.T. -0.000 min

Lab File: BF136588.D

Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

Tgt Ion:149 Resp: 664698

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

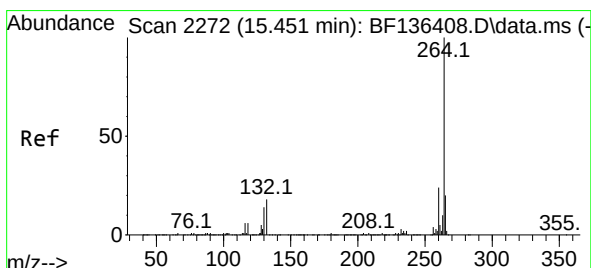
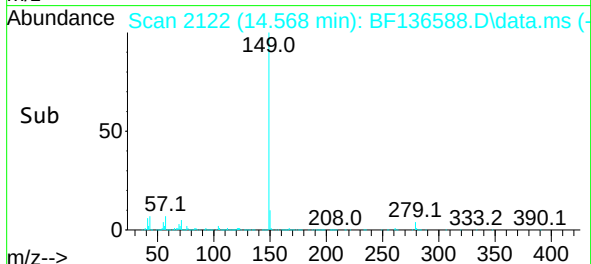
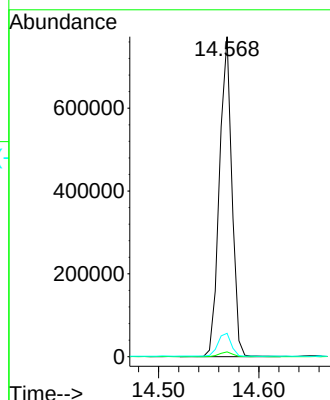
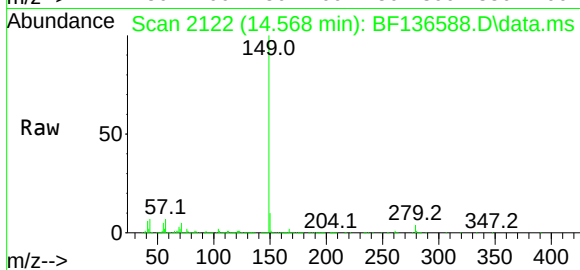
43 7.7 6.8 10.2

Manual Integrations

APPROVED

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: BF136588.D

Acq: 15 Dec 2023 12:42

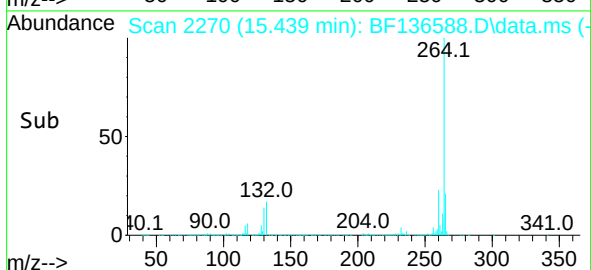
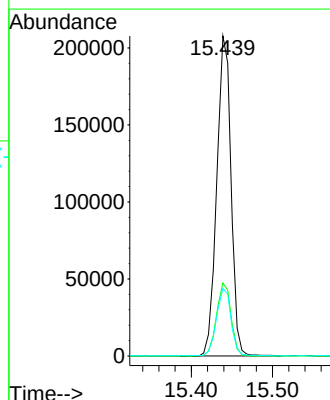
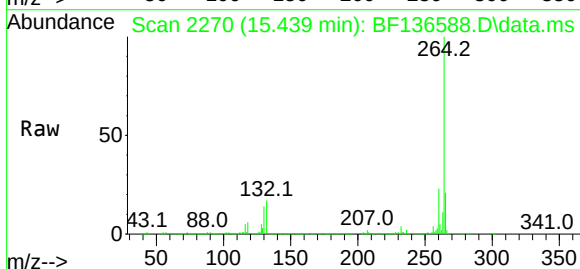
Tgt Ion:264 Resp: 253456

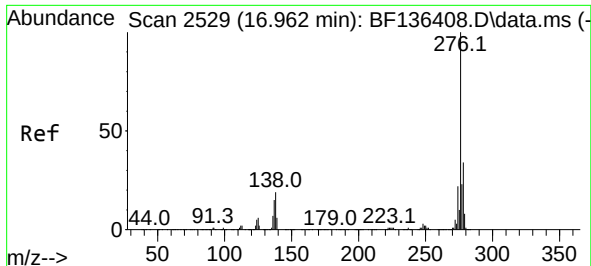
Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.1 15.9 23.9





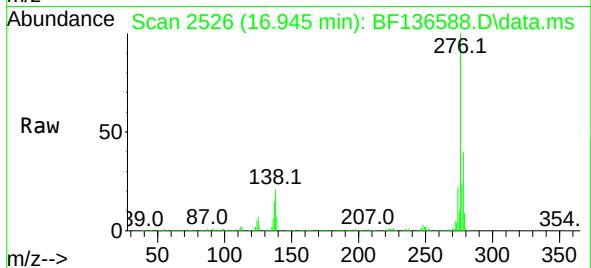
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 37.871 ng
 RT: 16.945 min Scan# 2197
 Delta R.T. -0.000 min
 Lab File: BF136588.D
 Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

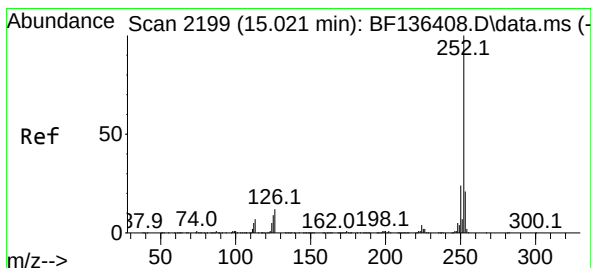
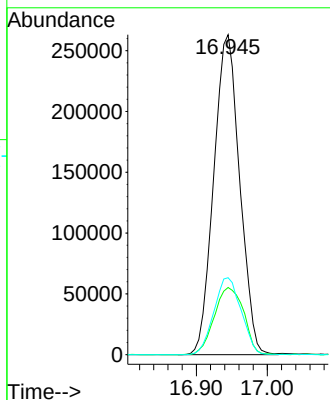
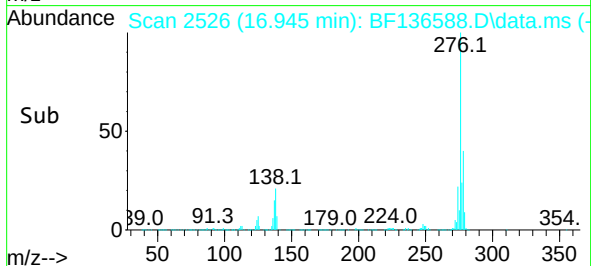


Tgt Ion:276 Resp: 666830
 Ion Ratio Lower Upper
 276 100
 138 24.0 19.0 28.4
 277 25.3 20.0 30.0

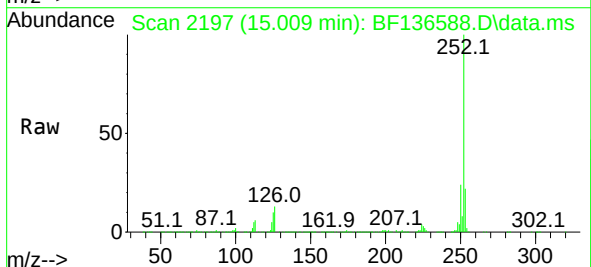
Manual Integrations

APPROVED

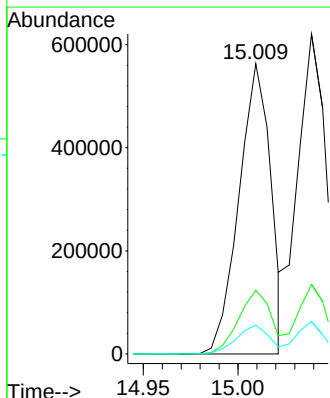
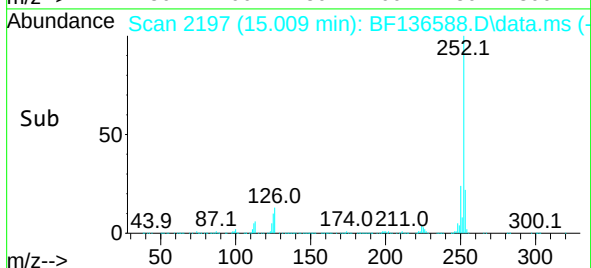
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

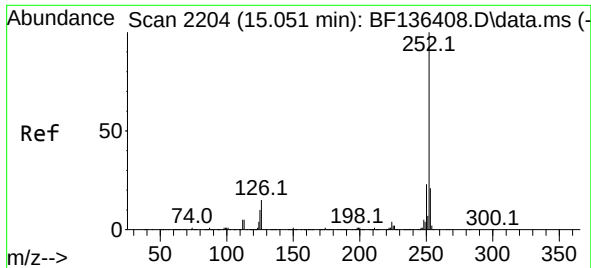


#88
 Benzo(b)fluoranthene
 Concen: 38.130 ng
 RT: 15.009 min Scan# 2197
 Delta R.T. -0.000 min
 Lab File: BF136588.D
 Acq: 15 Dec 2023 12:42



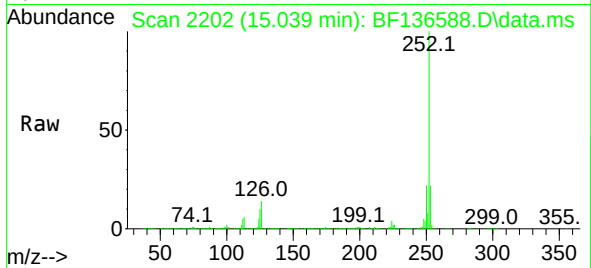
Tgt Ion:252 Resp: 660764
 Ion Ratio Lower Upper
 252 100
 253 22.0 16.9 25.3
 125 9.9 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 39.537 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

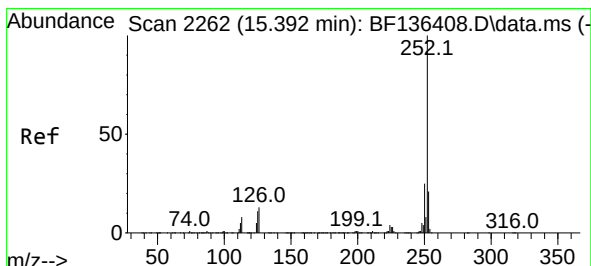
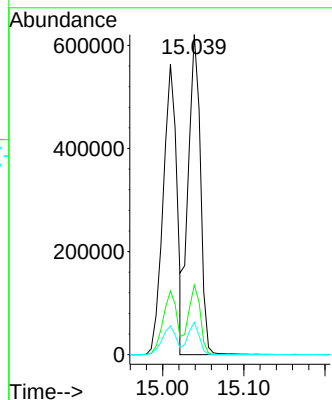
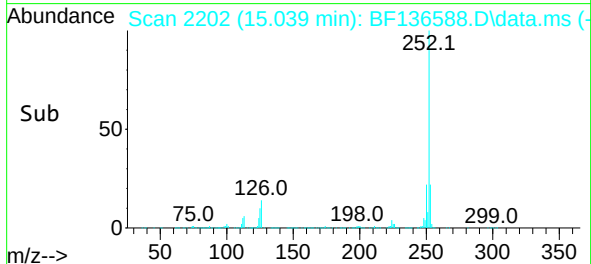
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMS



Tgt Ion:252 Resp: 645700
Ion Ratio Lower Upper
252 100
253 21.8 16.9 25.3
125 10.2 7.5 11.3

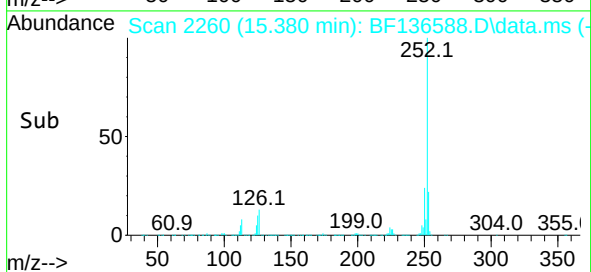
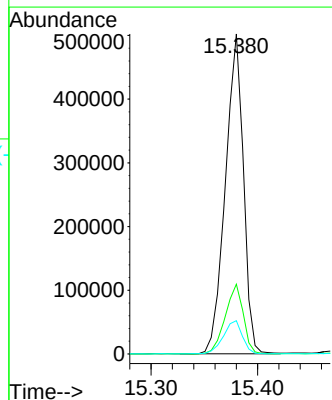
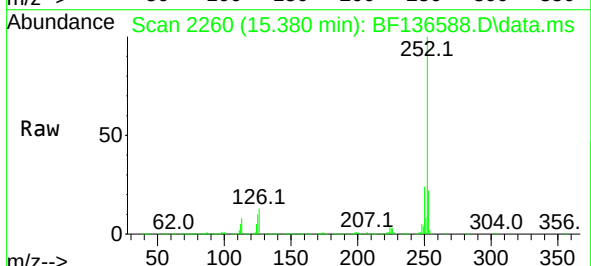
Manual Integrations
APPROVED

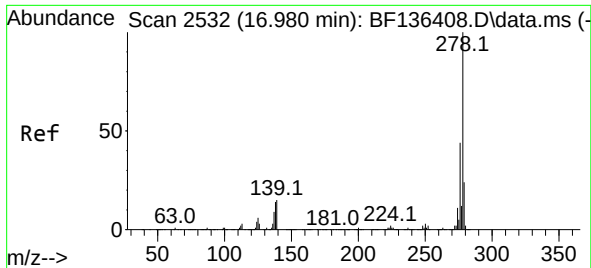
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#90
Benzo(a)pyrene
Concen: 41.293 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Tgt Ion:252 Resp: 590963
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.4
125 10.4 8.6 13.0





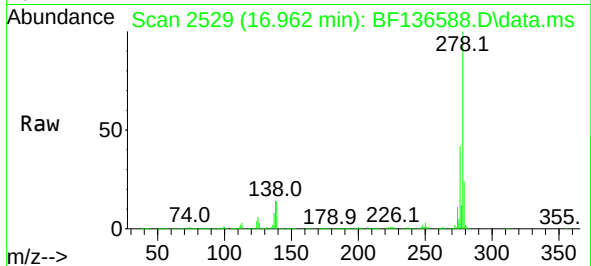
#91
Dibenzo(a,h)anthracene
Concen: 39.336 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.000 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMS

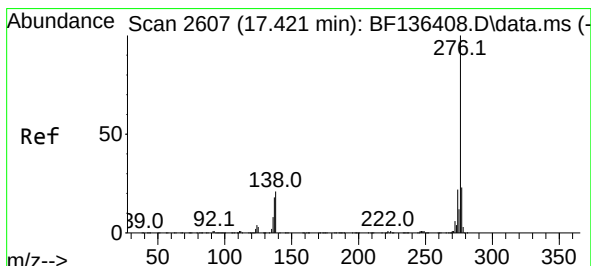
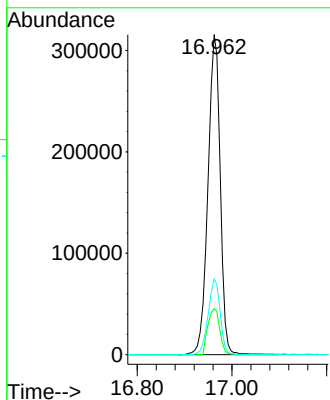
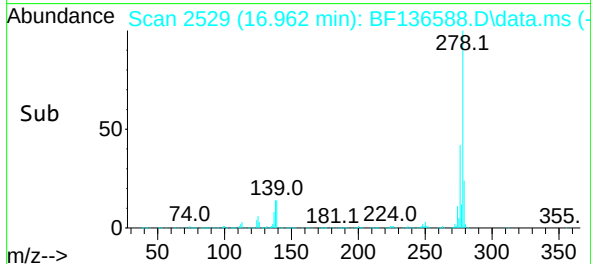


Tgt Ion:278 Resp: 567438
Ion Ratio Lower Upper
278 100
139 14.4 12.2 18.4
279 23.7 19.0 28.4

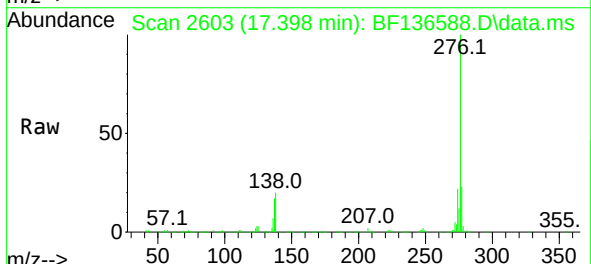
Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 33.633 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.006 min
Lab File: BF136588.D
Acq: 15 Dec 2023 12:42



Tgt Ion:276 Resp: 497974
Ion Ratio Lower Upper
276 100
277 22.8 18.7 28.1
138 20.4 16.6 25.0

