

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136589.D
 Acq On : 15 Dec 2023 13:13
 Operator : CG\JU
 Sample : 05590-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SH-SOIL-BMSD

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 13:53:41 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)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	117559	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	467662	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	234801	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	386268	20.000	ng	0.00
76) Chrysene-d12	13.962	240	225712	20.000	ng	0.00
86) Perylene-d12	15.445	264	267776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	791235	99.398	ng	0.02
7) Phenol-d6	6.439	99	972053	97.874	ng	0.00
23) Nitrobenzene-d5	7.351	82	604354	69.862	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	265325	91.646	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1075637	62.509	ng	0.00
79) Terphenyl-d14	12.904	244	839368	49.015	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	113405	36.019	ng	95
3) Pyridine	3.387	79	261075	34.240	ng	94
4) n-Nitrosodimethylamine	3.351	42	126132	38.076	ng	98
6) Aniline	6.451	93	271907	27.090	ng	# 1
8) 2-Chlorophenol	6.575	128	350183	40.296	ng	99
9) Benzaldehyde	6.339	77	138133	25.151	ng	95
10) Phenol	6.451	94	397735	37.635	ng	87
11) bis(2-Chloroethyl)ether	6.528	93	309641	39.308	ng	98
12) 1,3-Dichlorobenzene	6.728	146	360805	36.918	ng	97
13) 1,4-Dichlorobenzene	6.804	146	369657	37.287	ng	99
14) 1,2-Dichlorobenzene	6.957	146	350677	37.616	ng	97
15) Benzyl Alcohol	6.934	79	272687	41.002	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	361935	35.724	ng	88
17) 2-Methylphenol	7.051	107	267809	38.145	ng	94
18) Hexachloroethane	7.292	117	127603	36.866	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	215086	37.543	ng	99
20) 3+4-Methylphenols	7.204	107	333758	38.299	ng	# 82
22) Acetophenone	7.198	105	474799	41.114	ng	98
24) Nitrobenzene	7.369	77	331148	38.052	ng	99
25) Isophorone	7.610	82	600463	38.635	ng	96
26) 2-Nitrophenol	7.686	139	183212	42.824	ng	91
27) 2,4-Dimethylphenol	7.728	122	248719	47.147	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	385160	40.330	ng	98
29) 2,4-Dichlorophenol	7.928	162	286261	41.111	ng	97
30) 1,2,4-Trichlorobenzene	8.004	180	316558	38.988	ng	98
31) Naphthalene	8.086	128	989156	38.355	ng	99
32) Benzoic acid	7.857	122	171685	32.807	ng	98
33) 4-Chloroaniline	8.139	127	168562	18.333	ng	99
34) Hexachlorobutadiene	8.204	225	181006	37.616	ng	98
35) Caprolactam	8.522	113	86316m	40.253	ng	
36) 4-Chloro-3-methylphenol	8.633	107	288677	39.045	ng	98
37) 2-Methylnaphthalene	8.780	142	633306	38.599	ng	95
38) 1-Methylnaphthalene	8.880	142	613412	38.100	ng	97
40) 1,2,4,5-Tetrachloroben...	8.945	216	317369	43.445	ng	100
41) Hexachlorocyclopentadiene	8.933	237	199313	73.648	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	194489	40.889	ng	97

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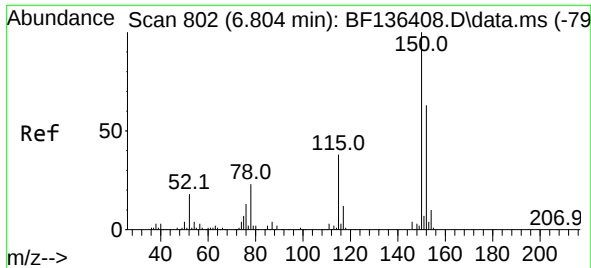
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 Supervised By :mohammad ahmed 12/16/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	206822	38.959	ng	# 91
46) 1,1'-Biphenyl	9.245	154	824604	41.273	ng	98
47) 2-Chloronaphthalene	9.269	162	621213	39.949	ng	97
48) 2-Nitroaniline	9.369	65	169617	40.669	ng	95
49) Acenaphthylene	9.686	152	941960	42.523	ng	99
50) Dimethylphthalate	9.551	163	716173	41.429	ng	98
51) 2,6-Dinitrotoluene	9.616	165	158548	40.768	ng	95
52) Acenaphthene	9.857	154	561583	39.562	ng	95
53) 3-Nitroaniline	9.780	138	119763	30.156	ng	95
54) 2,4-Dinitrophenol	9.892	184	105143	53.472	ng	95
55) Dibenzofuran	10.033	168	834065	40.221	ng	99
56) 4-Nitrophenol	9.963	139	199646	67.060	ng	89
57) 2,4-Dinitrotoluene	10.022	165	200696	39.010	ng	96
58) Fluorene	10.374	166	641315	38.526	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	158232	37.211	ng	99
60) Diethylphthalate	10.251	149	675374	39.731	ng	98
61) 4-Chlorophenyl-phenyle...	10.369	204	318687	39.272	ng	95
62) 4-Nitroaniline	10.398	138	134091	34.004	ng	97
63) Azobenzene	10.527	77	581641	37.592	ng	97
65) 4,6-Dinitro-2-methylph...	10.427	198	80963	33.844	ng	92
66) n-Nitrosodiphenylamine	10.492	169	564141	45.515	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	193381	43.060	ng	# 90
68) Hexachlorobenzene	10.922	284	219416	42.272	ng	96
69) Atrazine	11.022	200	187189	52.914	ng	98
70) Pentachlorophenol	11.121	266	190515	65.034	ng	97
71) Phenanthrene	11.339	178	872744	41.107	ng	99
72) Anthracene	11.392	178	864600	40.432	ng	98
73) Carbazole	11.551	167	701527	37.066	ng	99
74) Di-n-butylphthalate	11.880	149	958572	41.314	ng	99
75) Fluoranthene	12.533	202	765724	34.416	ng	98
77) Benzidine	12.657	184	120990	28.801	ng	98
78) Pyrene	12.763	202	760411	34.399	ng	98
80) Butylbenzylphthalate	13.386	149	300246	38.155	ng	93
81) Benzo(a)anthracene	13.957	228	644968	41.023	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	195408	44.328	ng	100
83) Chrysene	13.992	228	610200	39.448	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	399176	41.379	ng	97
85) Di-n-octyl phthalate	14.568	149	690088	48.430	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	682439	36.684	ng	99
88) Benzo(b)fluoranthene	15.009	252	739781	40.406	ng	98
89) Benzo(k)fluoranthene	15.039	252	604504	35.035	ng	98
90) Benzo(a)pyrene	15.380	252	610769	40.395	ng	98
91) Dibenzo(a,h)anthracene	16.962	278	575980	37.793	ng	100
92) Benzo(g,h,i)perylene	17.398	276	507369	32.435	ng	99

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



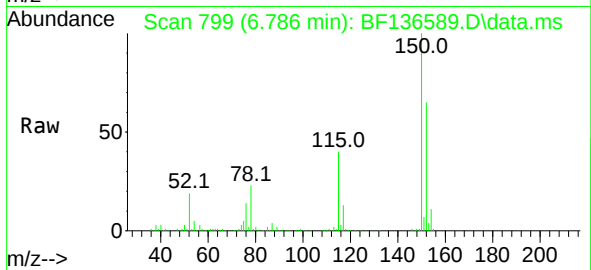
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 71
 Delta R.T. -0.001 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13

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SH-SOIL-BMSD



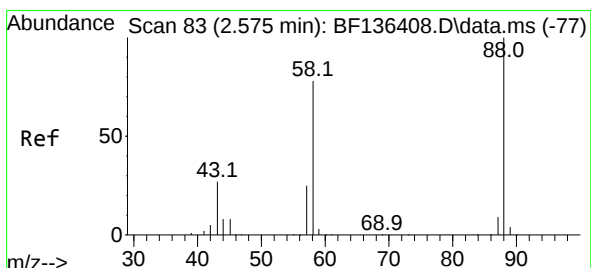
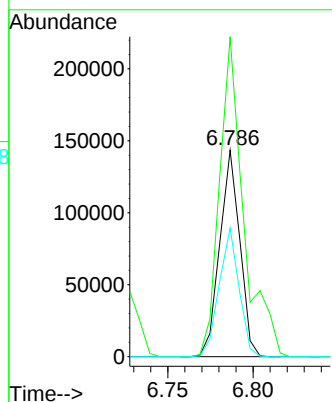
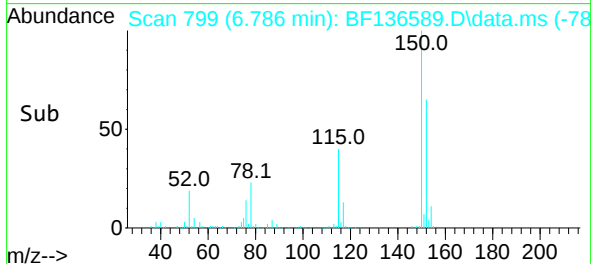
Tgt Ion:152 Resp: 117559
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.4 189.6
 115 62.3 48.2 72.4

Manual Integrations

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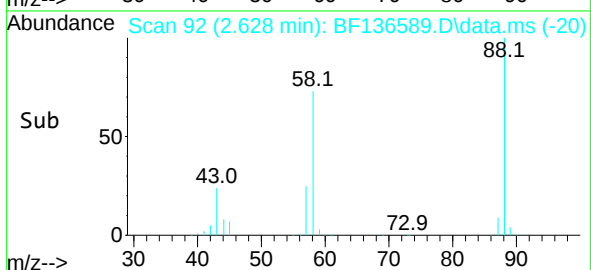
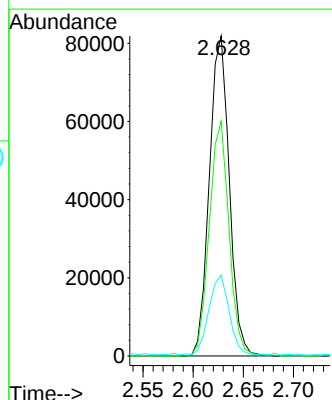
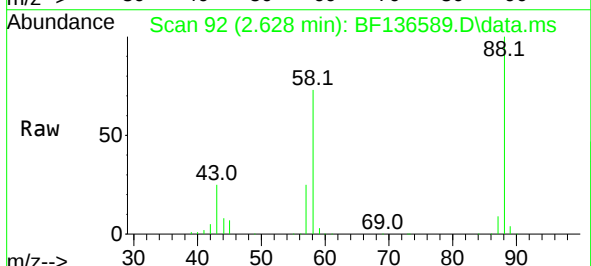
Reviewed By :Yogesh Patel 12/16/2023

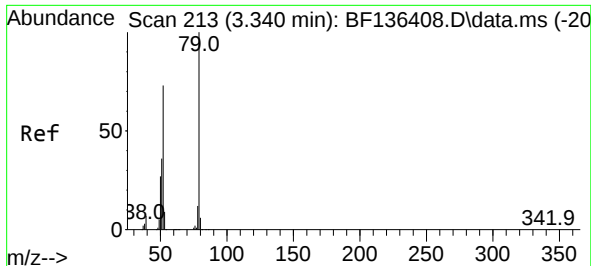
Supervised By :mohammad ahmed 12/16/2023



#2
 1,4-Dioxane
 Concen: 36.019 ng
 RT: 2.628 min Scan# 92
 Delta R.T. 0.076 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13

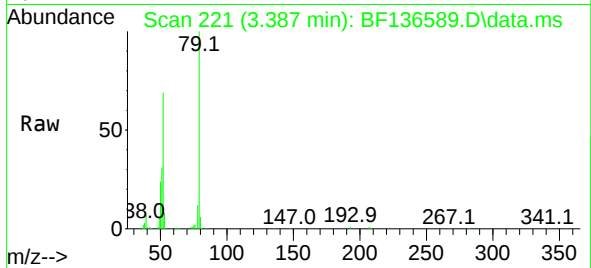
Tgt Ion: 88 Resp: 113405
 Ion Ratio Lower Upper
 88 100
 58 72.4 62.2 93.2
 43 25.1 21.5 32.3





#3
Pyridine
Concen: 34.240 ng
RT: 3.387 min Scan# 213
Delta R.T. 0.076 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

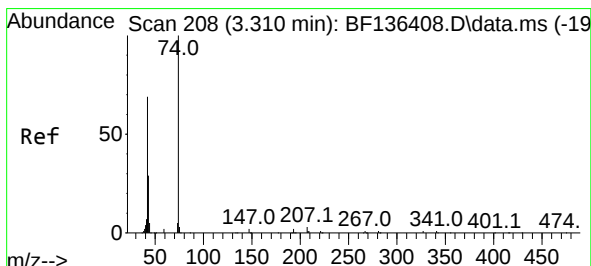
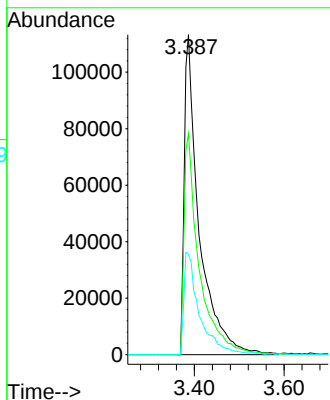
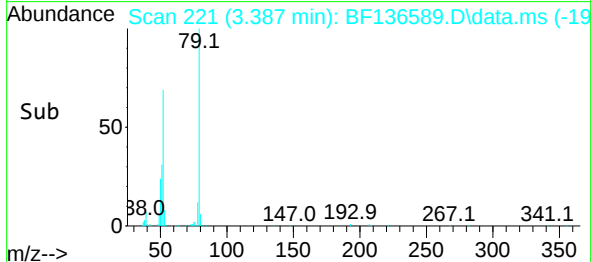
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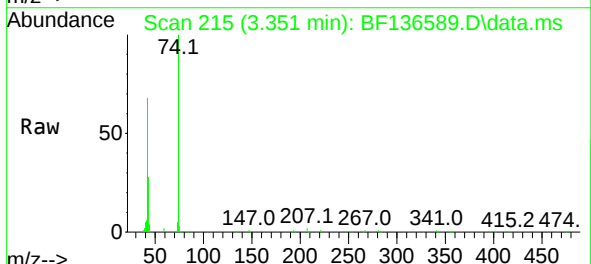
Tgt Ion: 79 Resp: 261075
Ion Ratio Lower Upper
79 100
52 69.1 58.2 87.2
51 31.3 29.1 43.7

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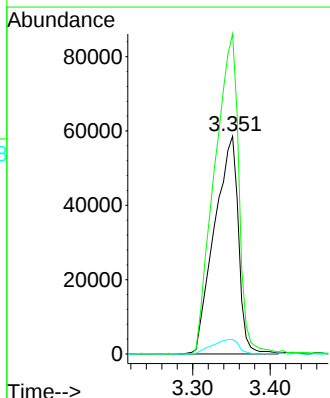
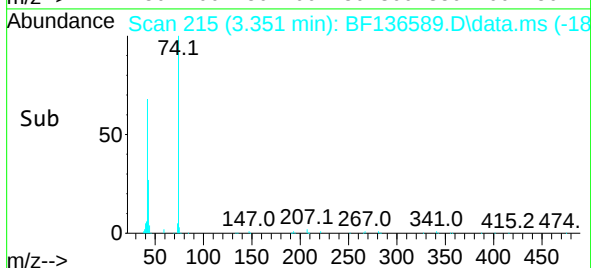
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

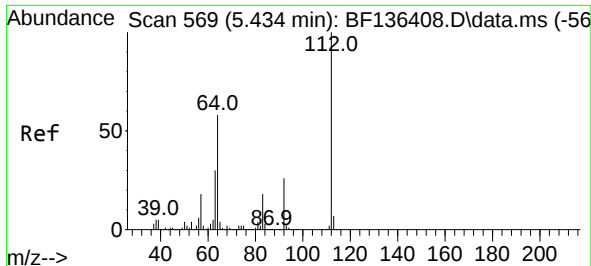


#4
n-Nitrosodimethylamine
Concen: 38.076 ng
RT: 3.351 min Scan# 215
Delta R.T. 0.065 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



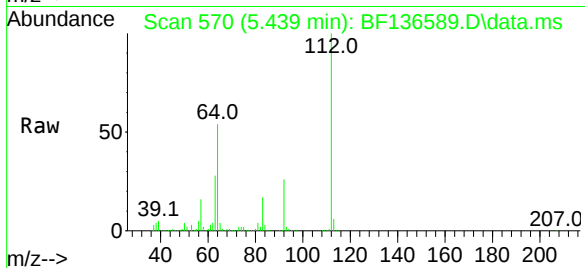
Tgt Ion: 42 Resp: 126132
Ion Ratio Lower Upper
42 100
74 147.0 115.4 173.0
44 6.6 6.2 9.2





#5
2-Fluorophenol
Concen: 99.398 ng
RT: 5.439 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

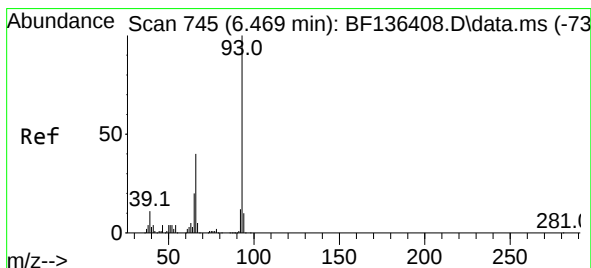
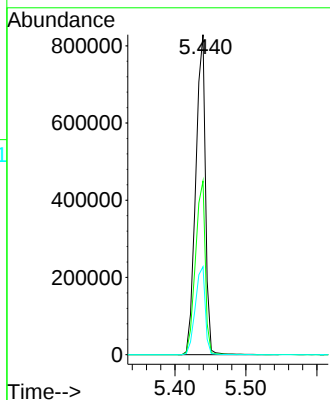
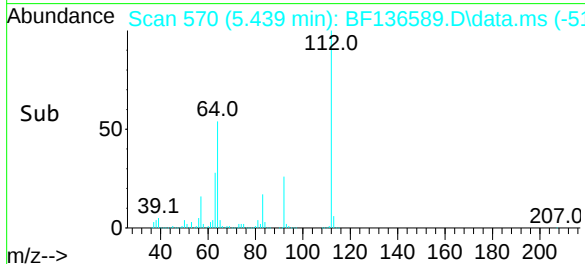
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SH-SOIL-BMSD



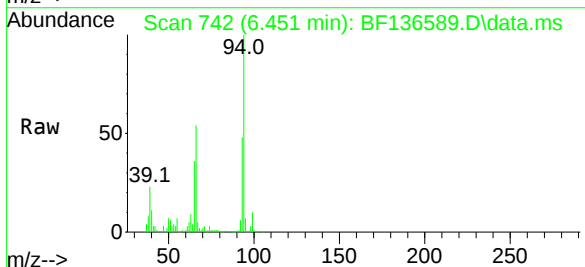
Tgt Ion: 112 Resp: 791235
Ion Ratio Lower Upper
112 100
64 54.3 46.5 69.7
63 27.5 23.9 35.9

Manual Integrations
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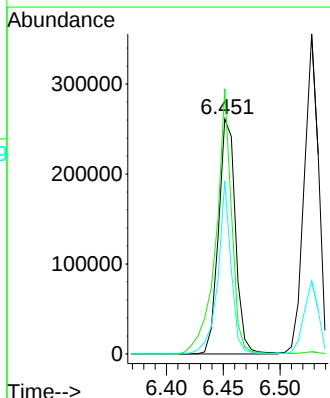
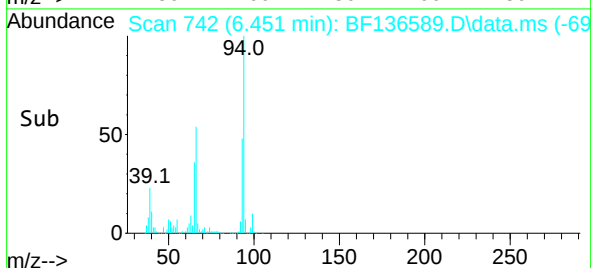
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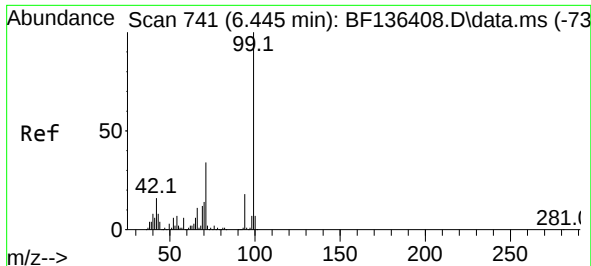


#6
Aniline
Concen: 27.090 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion: 93 Resp: 271907
Ion Ratio Lower Upper
93 100
66 112.8 32.5 48.7#
65 73.7 16.4 24.6#





#7

Phenol-d6

Concen: 97.874 ng

RT: 6.439 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136589.D

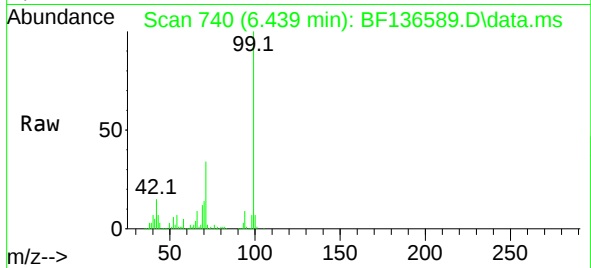
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Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD



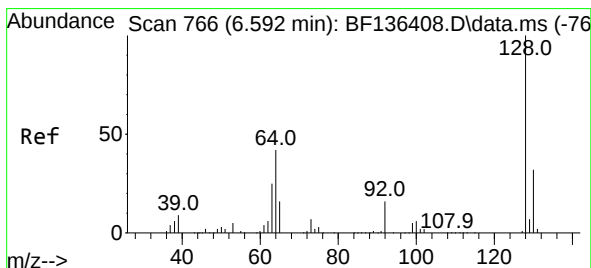
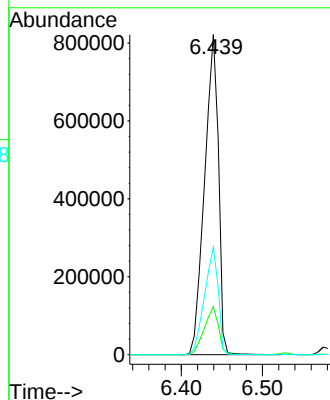
Tgt Ion:	99	Resp:	97205
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.8	19.2
71	33.6	27.0	40.4

Manual Integrations

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#8

2-Chlorophenol

Concen: 40.296 ng

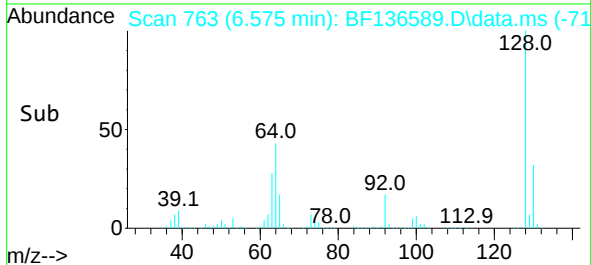
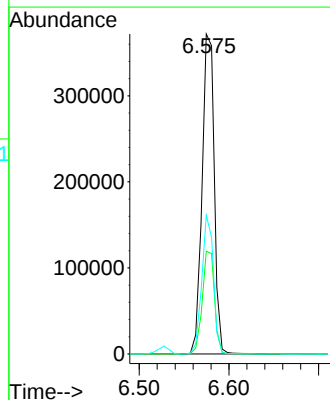
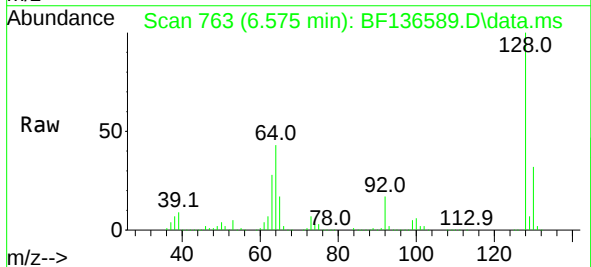
RT: 6.575 min Scan# 763

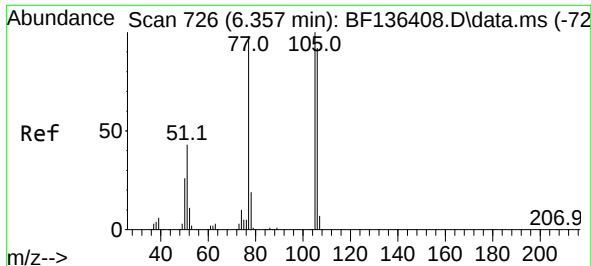
Delta R.T. -0.006 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

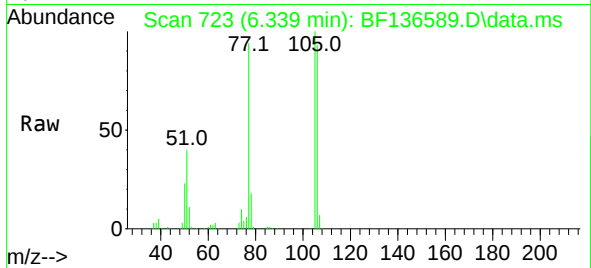
Tgt Ion:	128	Resp:	350183
Ion	Ratio	Lower	Upper
128	100		
130	32.1	11.7	51.7
64	43.3	22.5	62.5





#9
Benzaldehyde
Concen: 25.151 ng
RT: 6.339 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

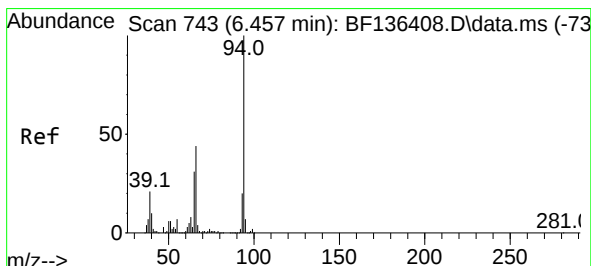
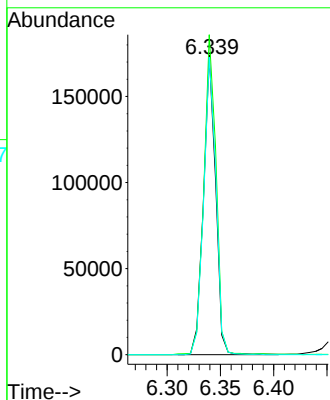
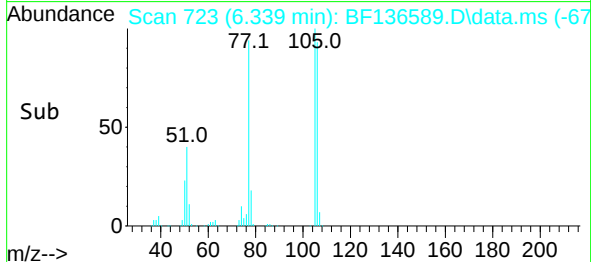
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SH-SOIL-BMSD



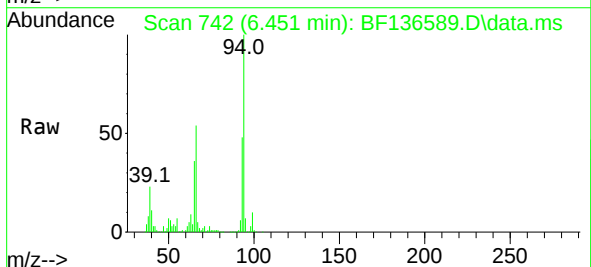
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Ion Ratio Lower Upper
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105 106.8 82.5 122.5
106 99.3 74.5 114.5

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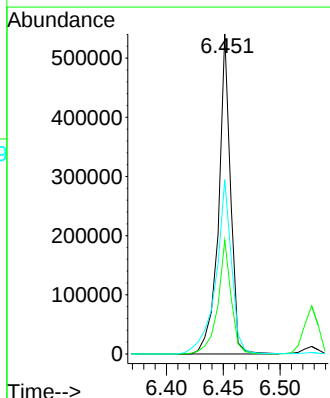
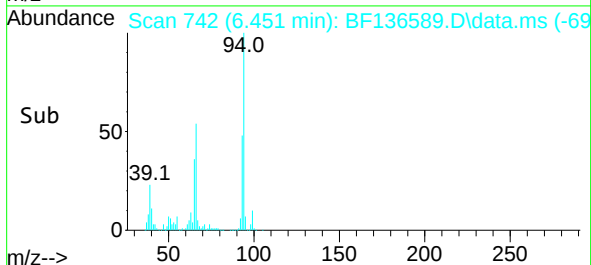
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

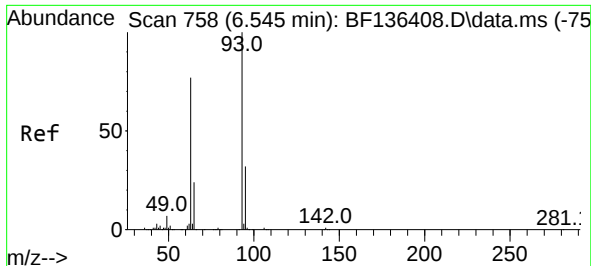


#10
Phenol
Concen: 37.635 ng
RT: 6.451 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion: 94 Resp: 397735
Ion Ratio Lower Upper
94 100
65 35.6 11.2 51.2
66 54.5 24.2 64.2





#11

bis(2-Chloroethyl)ether

Concen: 39.308 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

Tgt Ion: 93 Resp: 30964

Ion Ratio Lower Upper

93 100

63 74.1 56.8 96.8

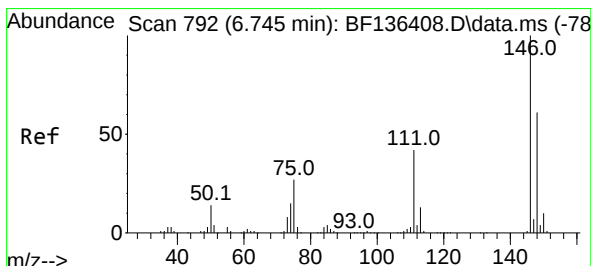
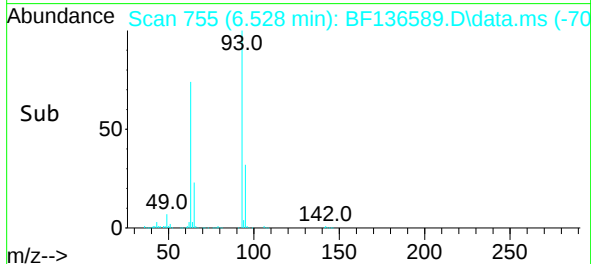
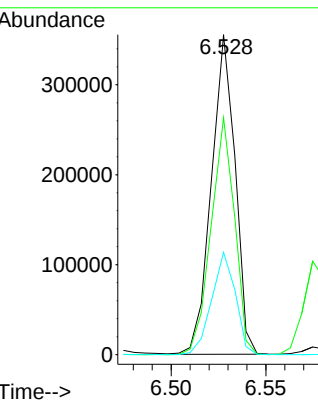
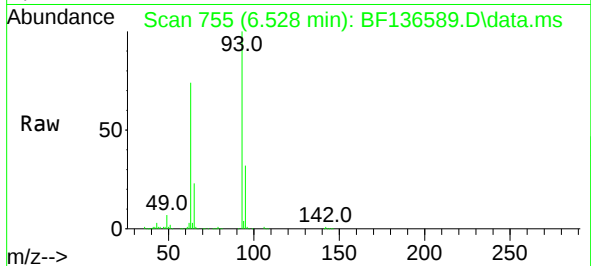
95 32.0 11.8 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#12

1,3-Dichlorobenzene

Concen: 36.918 ng

RT: 6.728 min Scan# 789

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

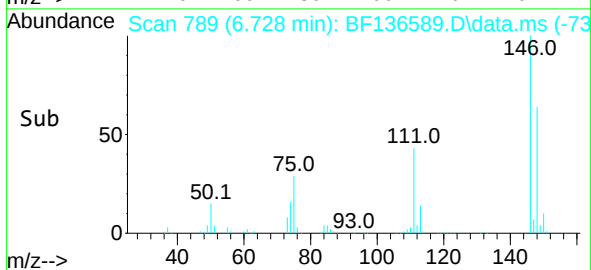
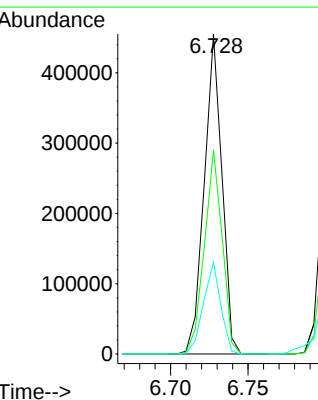
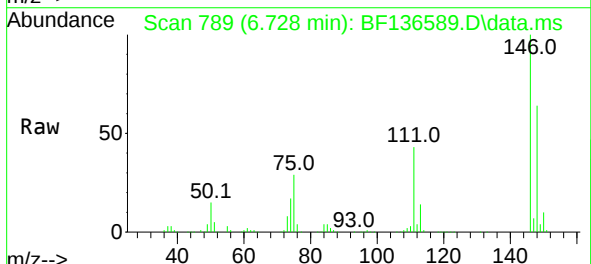
Tgt Ion:146 Resp: 360805

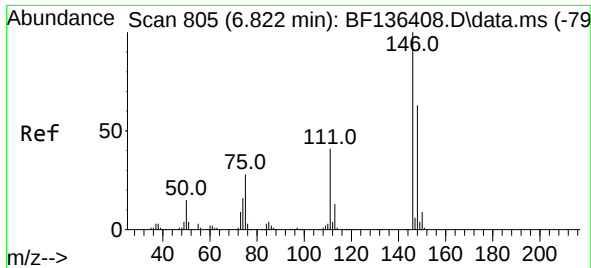
Ion Ratio Lower Upper

146 100

148 63.7 49.0 73.6

75 28.7 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 37.287 ng

RT: 6.804 min Scan# 805

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

Tgt Ion:146 Resp: 36965

Ion Ratio Lower Upper

146 100

148 62.3 50.3 75.5

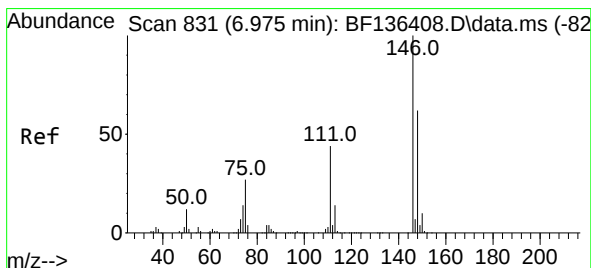
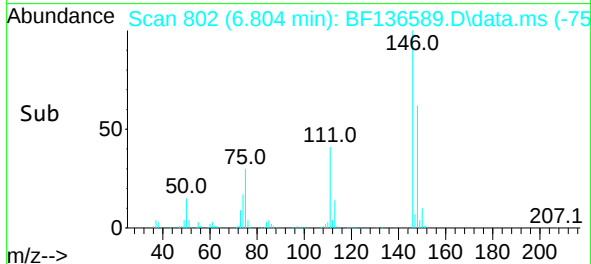
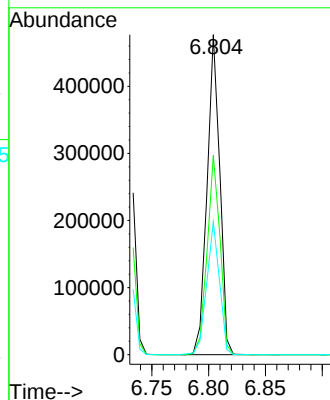
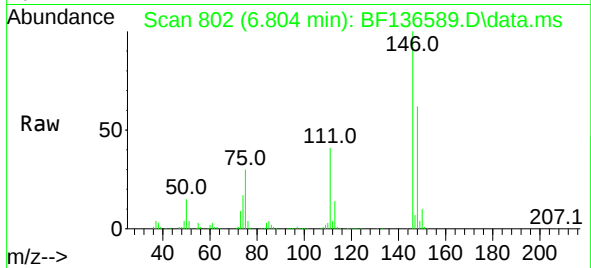
111 41.5 32.6 49.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#14

1,2-Dichlorobenzene

Concen: 37.616 ng

RT: 6.957 min Scan# 828

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

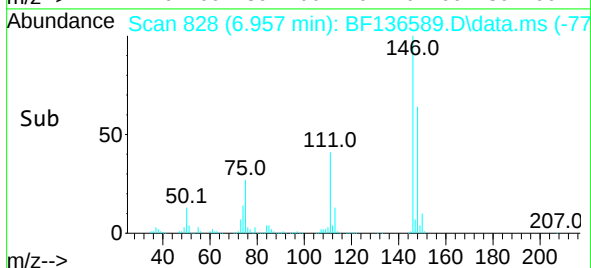
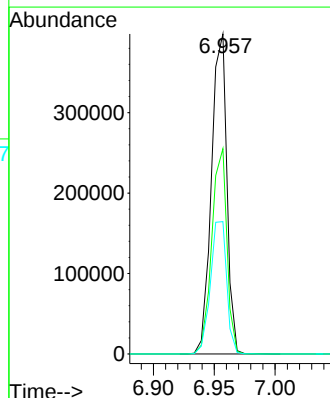
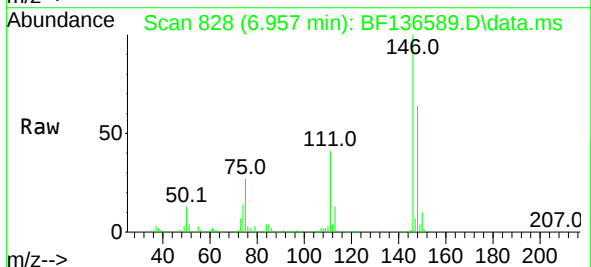
Tgt Ion:146 Resp: 350677

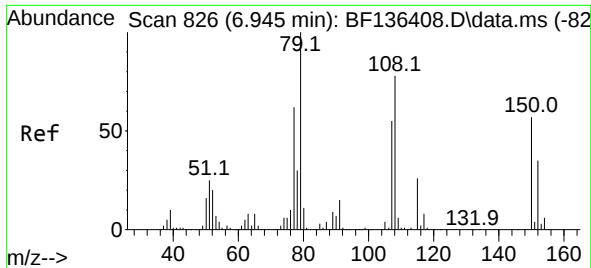
Ion Ratio Lower Upper

146 100

148 64.2 49.8 74.6

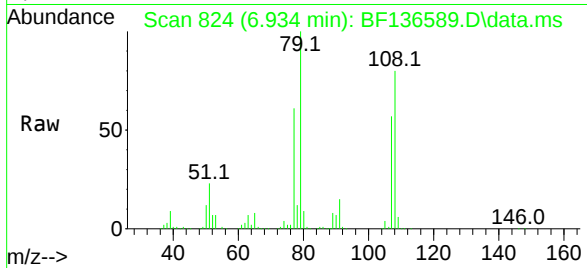
111 41.4 34.9 52.3





#15
Benzyl Alcohol
Concen: 41.002 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

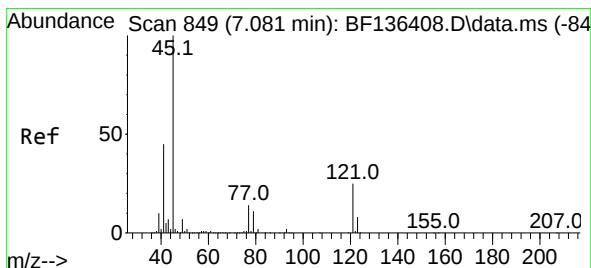
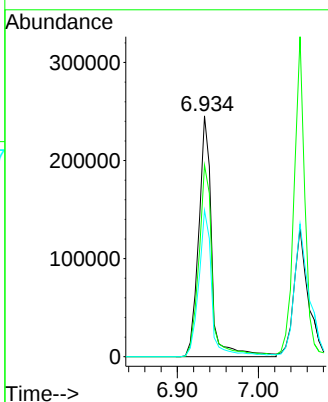
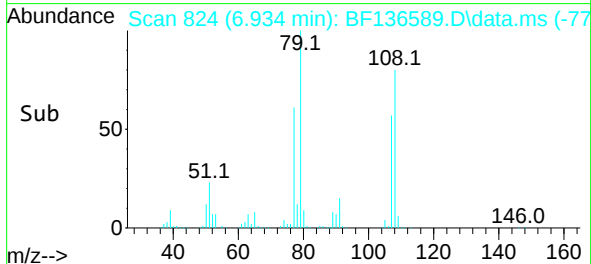
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



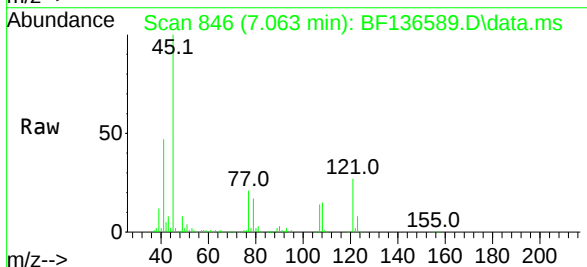
Tgt Ion: 79 Resp: 27268
Ion Ratio Lower Upper
79 100
108 79.6 62.3 93.5
77 60.8 49.8 74.8

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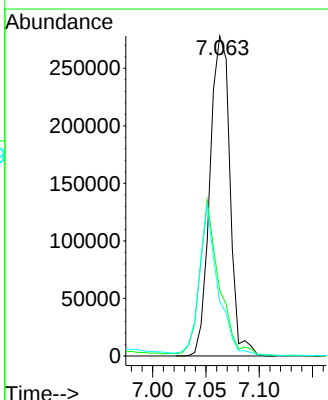
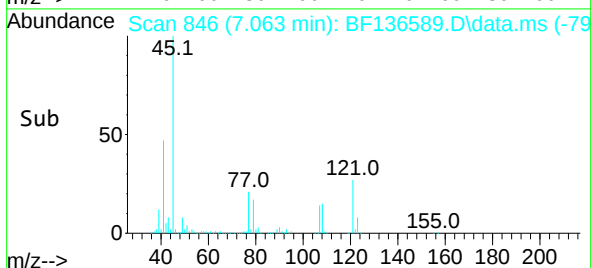
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

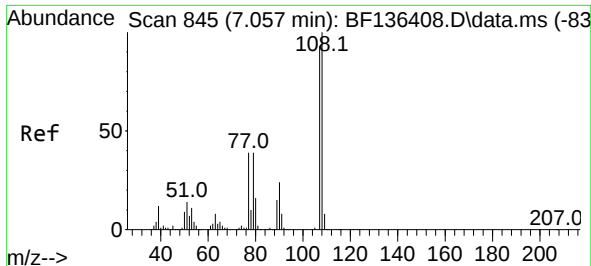


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.724 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion: 45 Resp: 361935
Ion Ratio Lower Upper
45 100
77 20.5 0.0 35.3
79 17.1 0.0 32.5





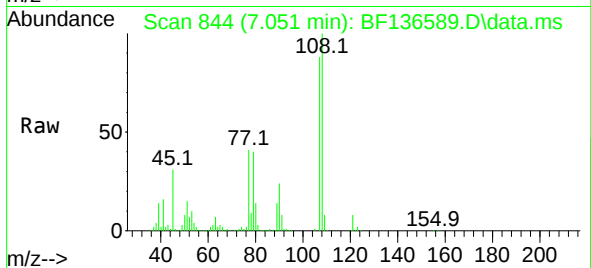
#17
2-Methylphenol
Concen: 38.145 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD



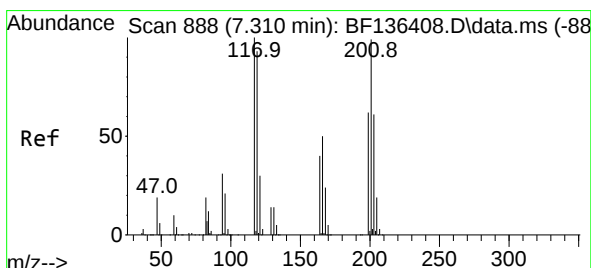
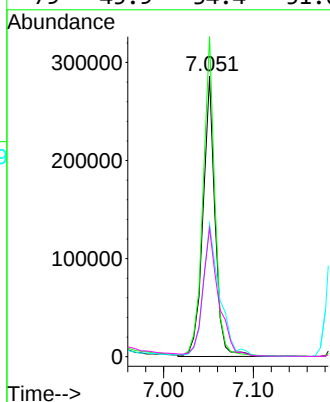
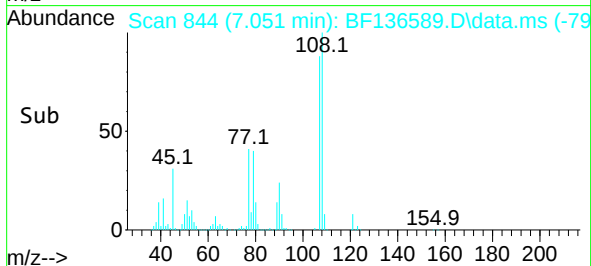
Tgt Ion:107 Resp: 267809
Ion Ratio Lower Upper
107 100
108 114.1 86.5 129.7
77 47.4 33.8 50.8
79 45.9 34.4 51.6

Manual Integrations

APPROVED

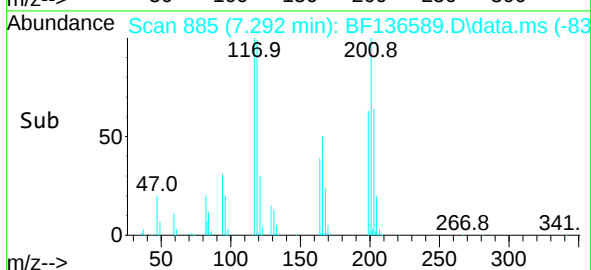
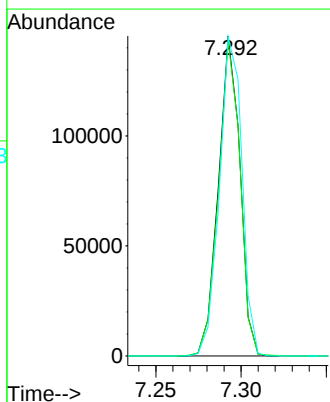
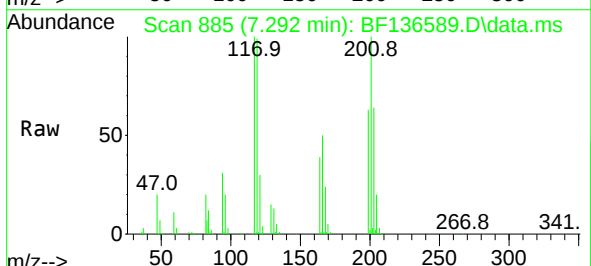
Reviewed By :Yogesh Patel 12/16/2023

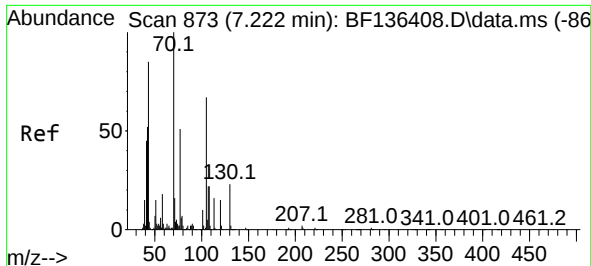
Supervised By :mohammad ahmed 12/16/2023



#18
Hexachloroethane
Concen: 36.866 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion:117 Resp: 127603
Ion Ratio Lower Upper
117 100
119 98.5 74.3 111.5
201 99.8 79.3 118.9





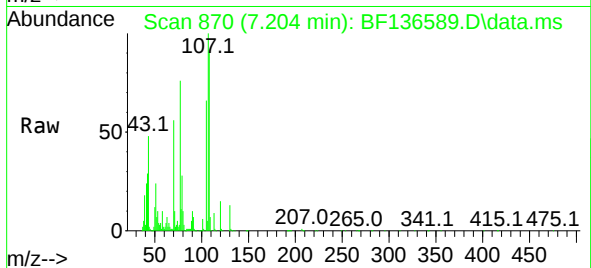
#19
n-Nitroso-di-n-propylamine
Concen: 37.543 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD



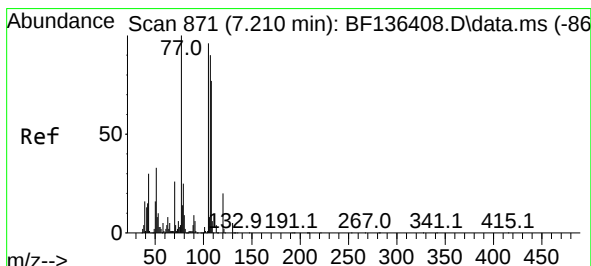
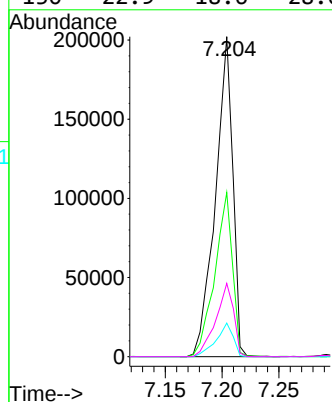
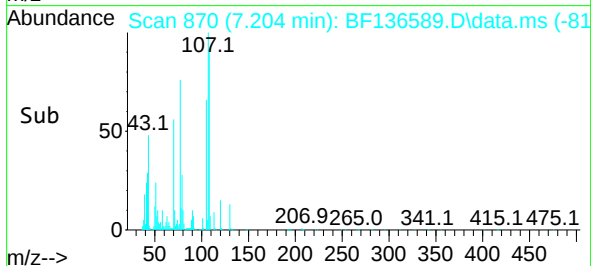
Tgt Ion: 70 Resp: 215080
Ion Ratio Lower Upper
70 100
42 51.3 41.4 62.0
101 10.5 8.2 12.4
130 22.9 18.6 28.0

Manual Integrations

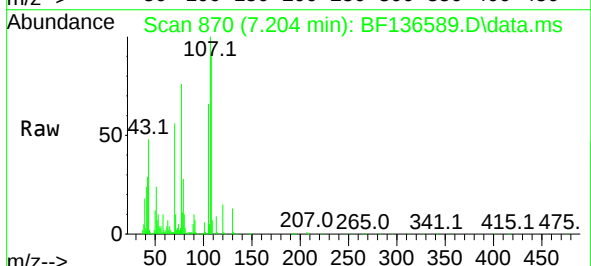
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

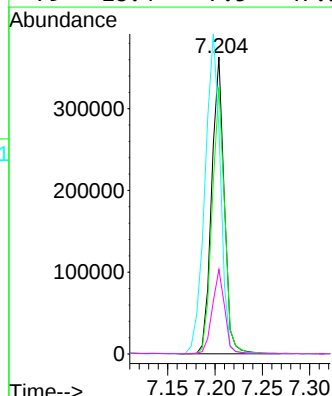
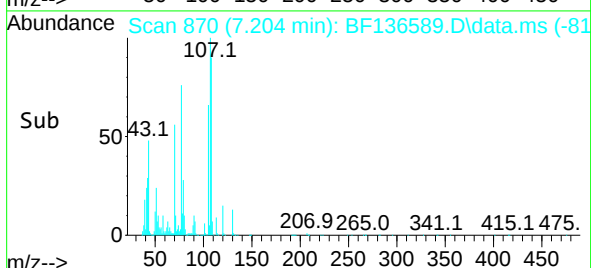
Supervised By :mohammad ahmed 12/16/2023

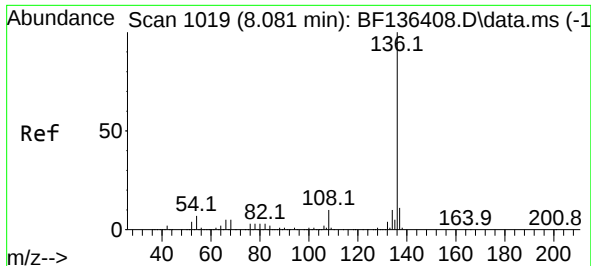


#20
3+4-Methylphenols
Concen: 38.299 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:107 Resp: 333758
Ion Ratio Lower Upper
107 100
108 89.8 65.9 105.9
77 76.1 91.7 131.7#
79 28.4 7.5 47.5





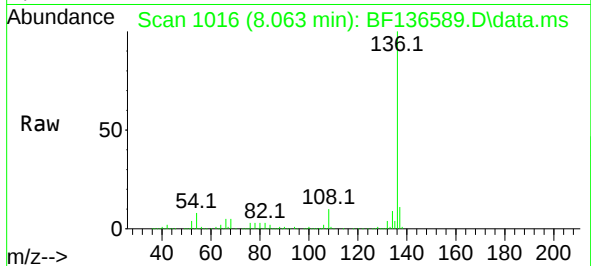
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD



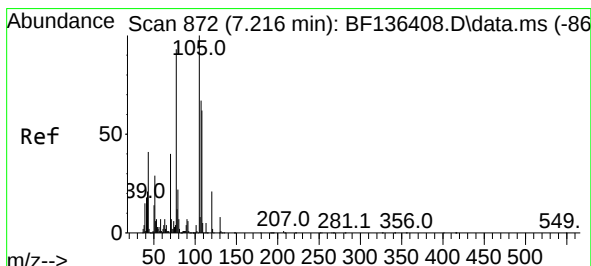
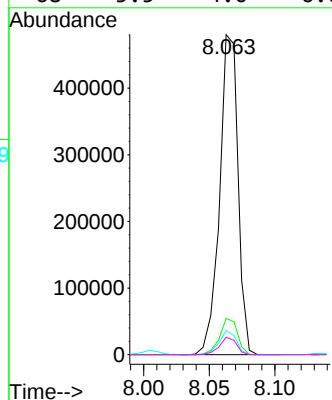
Tgt Ion:136 Resp: 467662
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 7.5 5.7 8.5
68 5.5 4.0 6.0

Manual Integrations

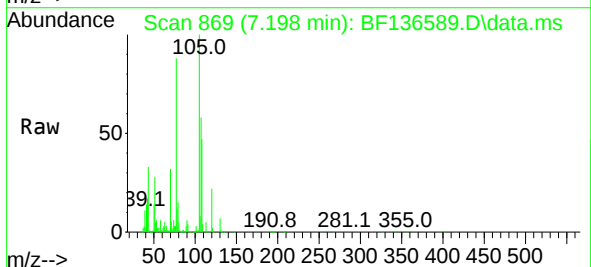
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

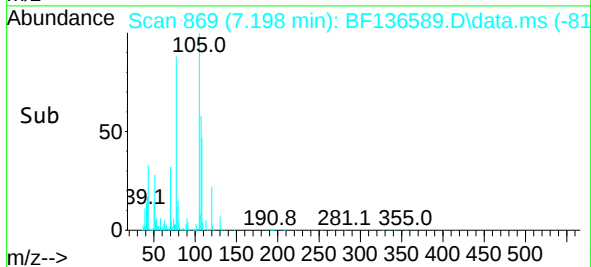
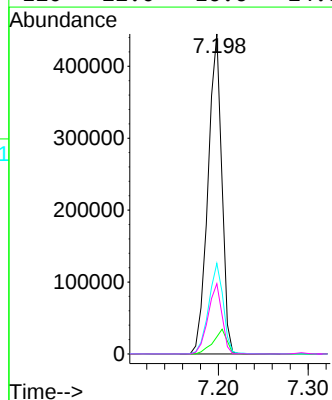
Supervised By :mohammad ahmed 12/16/2023

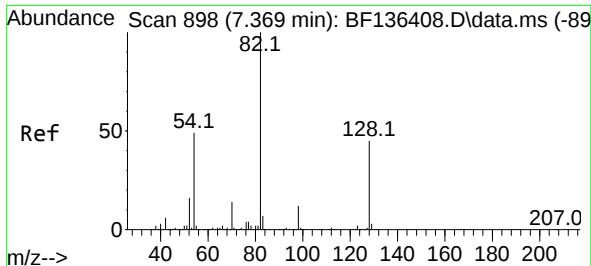


#22
Acetophenone
Concen: 41.114 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:105 Resp: 474799
Ion Ratio Lower Upper
105 100
71 5.4 5.4 8.0
51 28.3 23.4 35.2
120 22.0 16.6 24.8





#23
Nitrobenzene-d5
Concen: 69.862 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

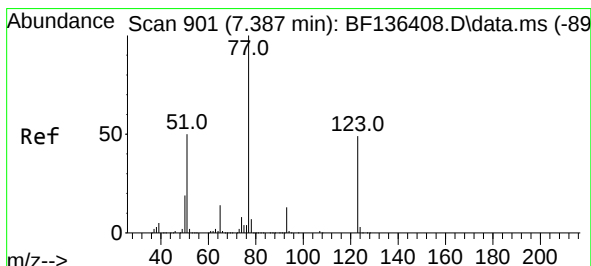
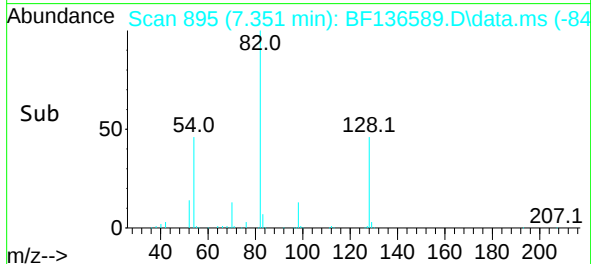
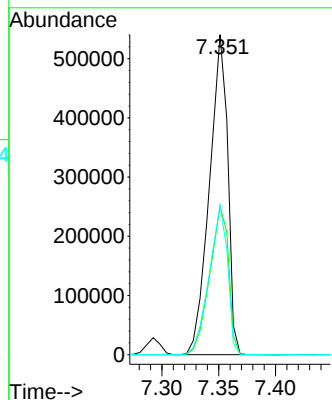
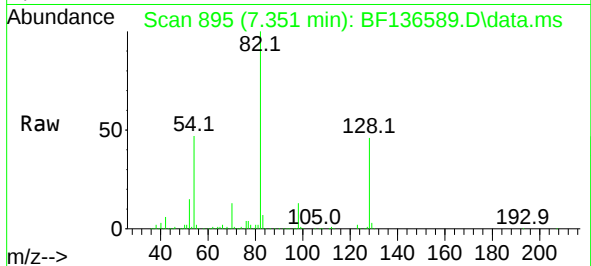
ClientSampleId :

SH-SOIL-BMSD

Tgt Ion: 82 Resp: 604354
Ion Ratio Lower Upper
82 100
128 46.4 36.3 54.5
54 46.6 39.0 58.6

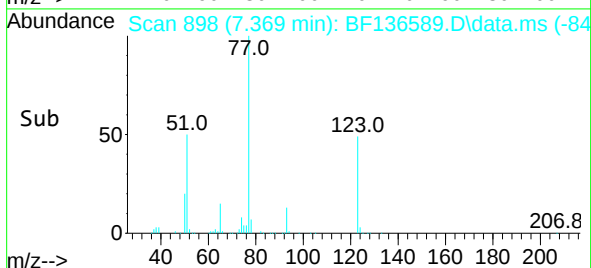
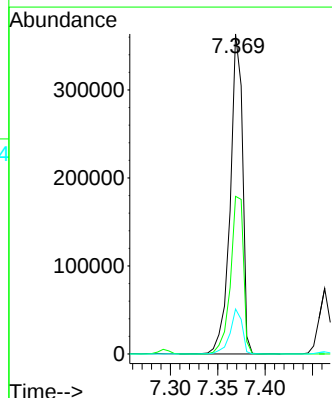
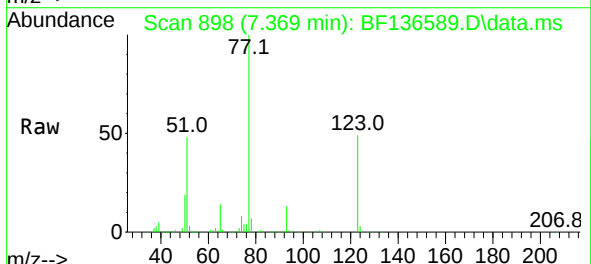
Manual Integrations
APPROVED

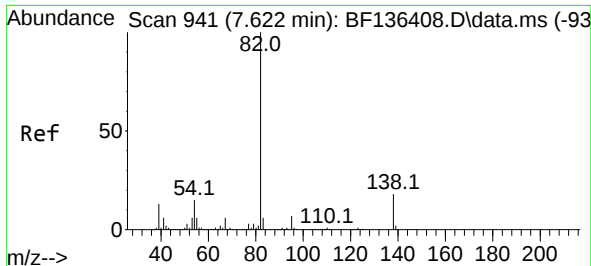
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#24
Nitrobenzene
Concen: 38.052 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

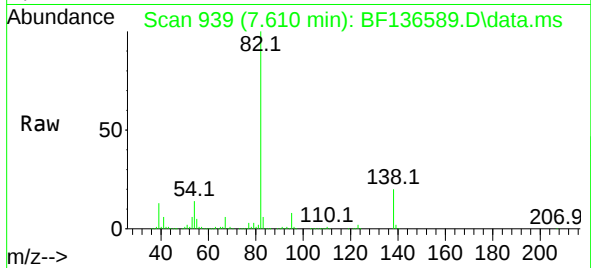
Tgt Ion: 77 Resp: 331148
Ion Ratio Lower Upper
77 100
123 49.2 39.0 58.6
65 14.0 11.3 16.9





#25
Isophorone
Concen: 38.635 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

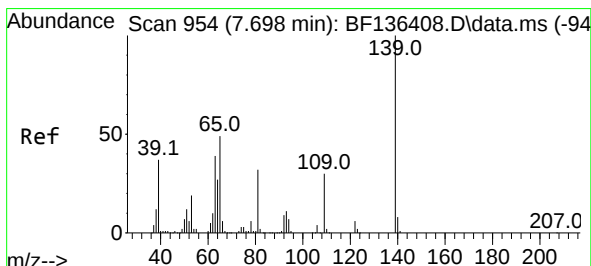
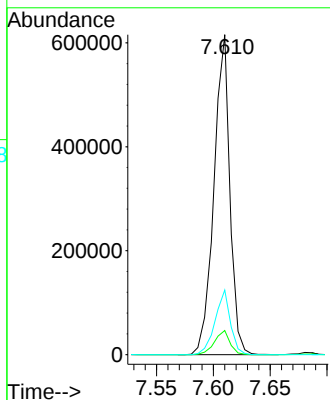
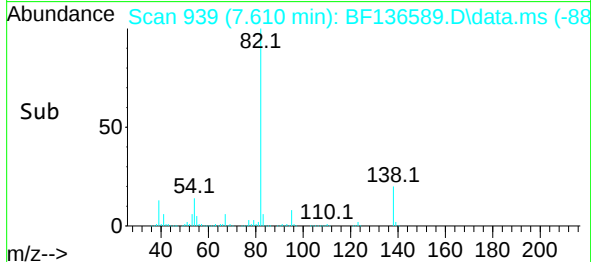
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



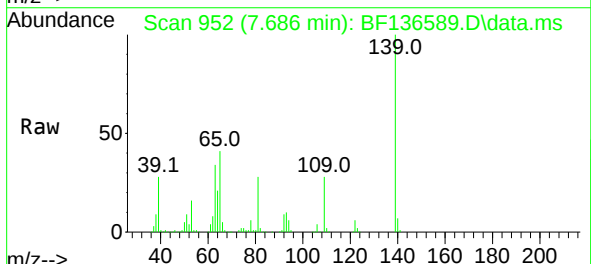
Tgt Ion: 82 Resp: 600461
Ion Ratio Lower Upper
82 100
95 7.6 5.7 8.5
138 20.2 14.5 21.7

Manual Integrations
APPROVED

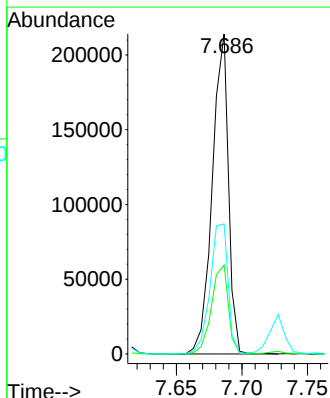
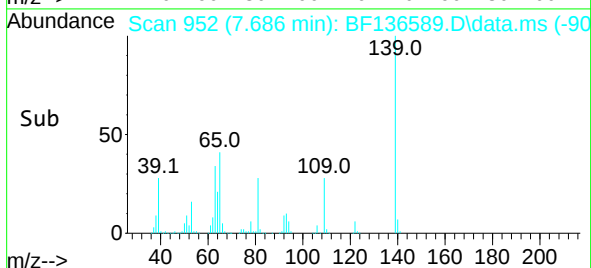
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

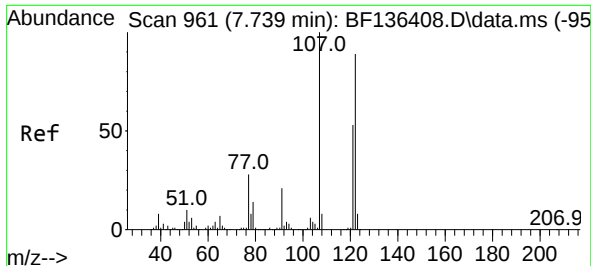


#26
2-Nitrophenol
Concen: 42.824 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:139 Resp: 183212
Ion Ratio Lower Upper
139 100
109 27.8 23.6 35.4
65 40.7 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 47.147 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF136589.D

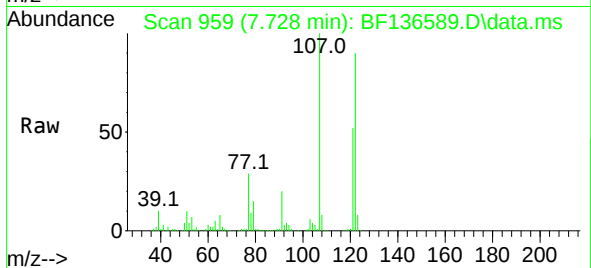
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD



Tgt Ion:122 Resp: 248719

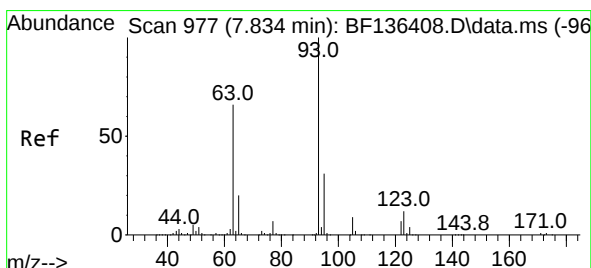
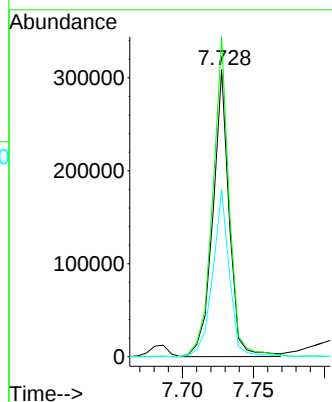
Ion	Ratio	Lower	Upper
122	100		
107	111.5	89.3	133.9
121	58.2	47.6	71.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#28

bis(2-Chloroethoxy)methane

Concen: 40.330 ng

RT: 7.822 min Scan# 975

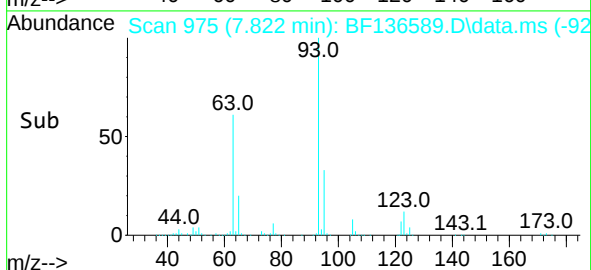
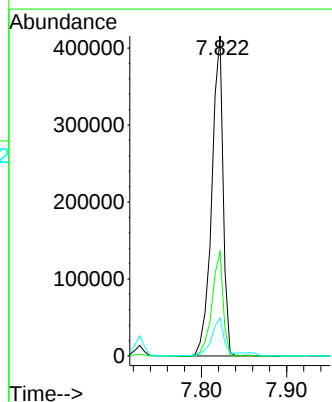
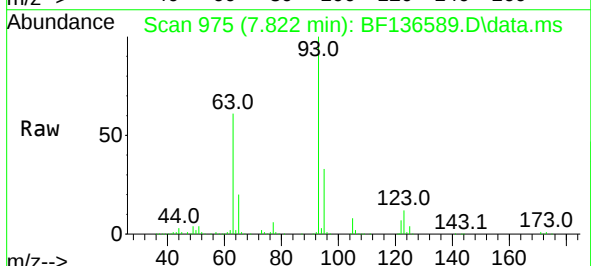
Delta R.T. -0.000 min

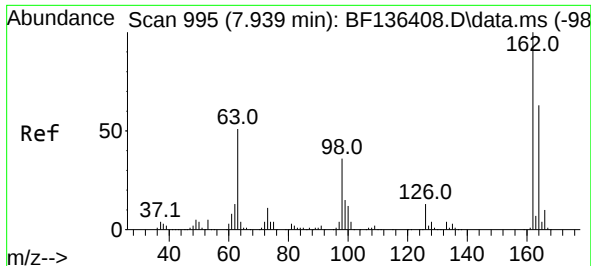
Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Tgt Ion: 93 Resp: 385160

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.0	37.4
123	11.9	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 41.111 ng

RT: 7.928 min Scan# 995

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

Tgt Ion:162 Resp: 28626

Ion Ratio Lower Upper

162 100

164 64.9 43.0 83.0

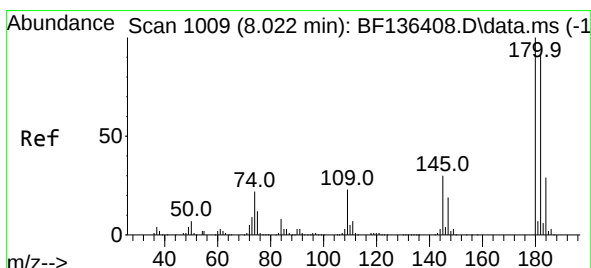
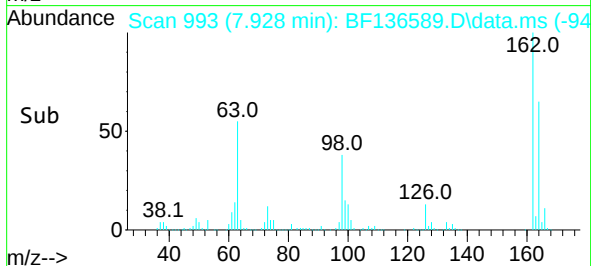
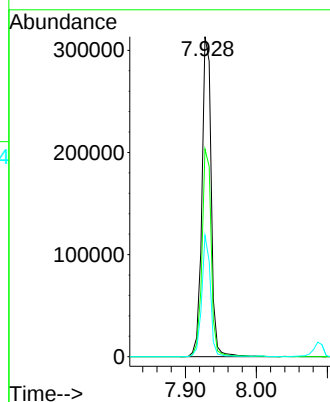
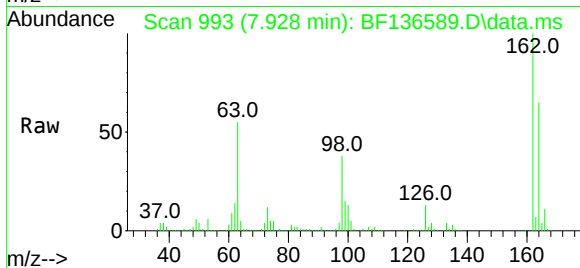
98 37.9 16.2 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#30

1,2,4-Trichlorobenzene

Concen: 38.988 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

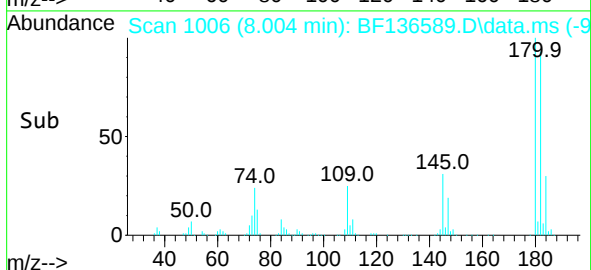
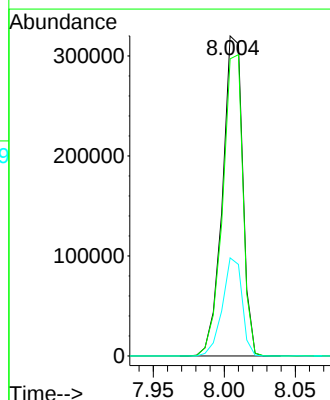
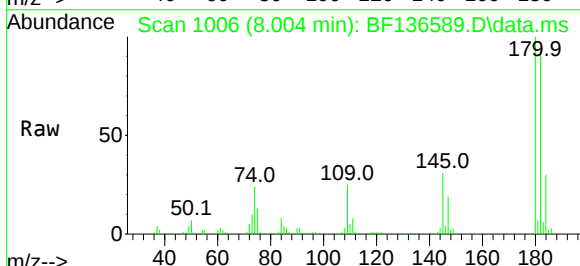
Tgt Ion:180 Resp: 316558

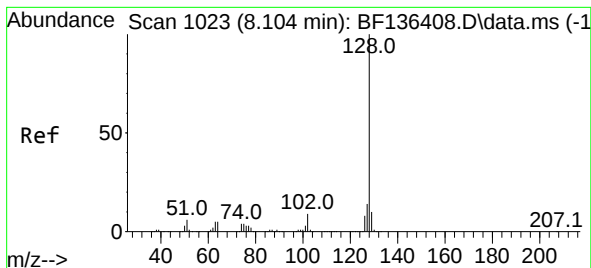
Ion Ratio Lower Upper

180 100

182 92.9 73.1 109.7

145 30.7 23.8 35.8





#31

Naphthalene

Concen: 38.355 ng

RT: 8.086 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

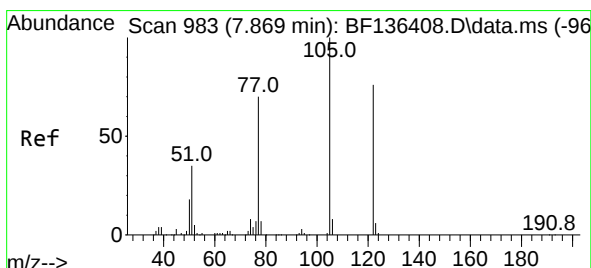
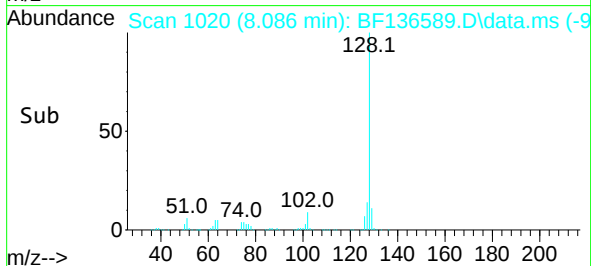
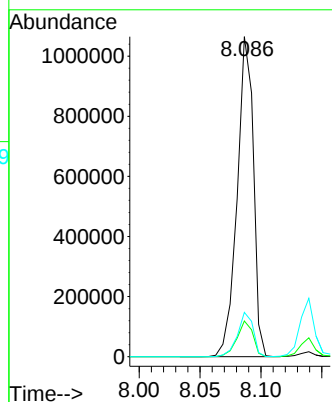
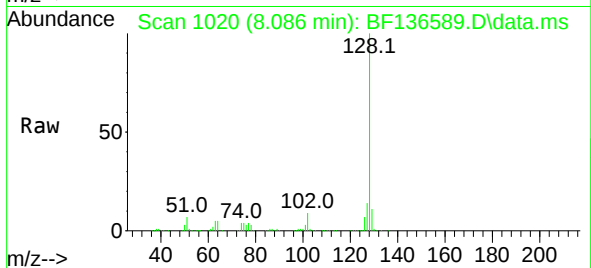
Tgt Ion:128 Resp: 989150
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.3 12.5
 127 13.8 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#32

Benzoic acid

Concen: 32.807 ng

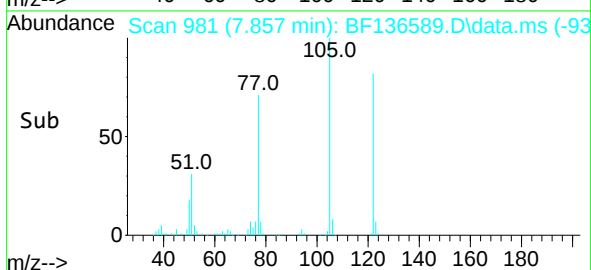
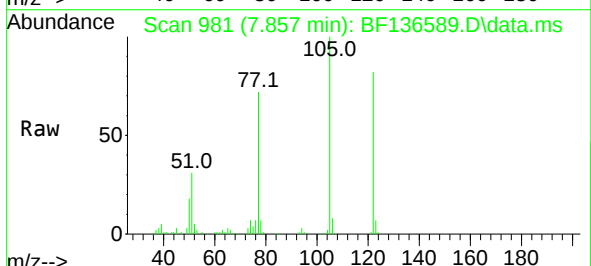
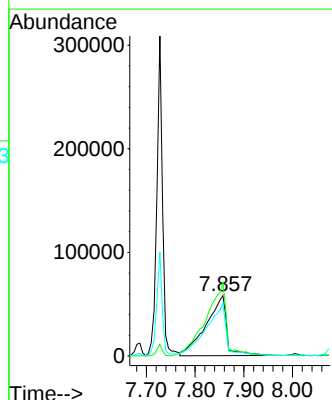
RT: 7.857 min Scan# 981

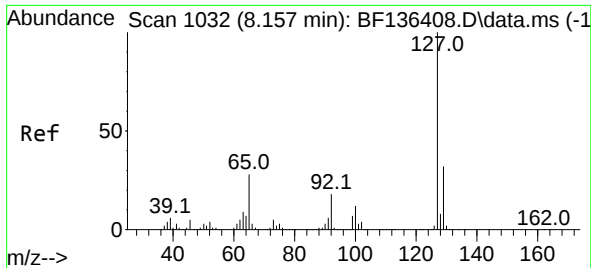
Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Tgt Ion:122 Resp: 171685
 Ion Ratio Lower Upper
 122 100
 105 121.6 104.7 144.7
 77 87.2 68.5 108.5





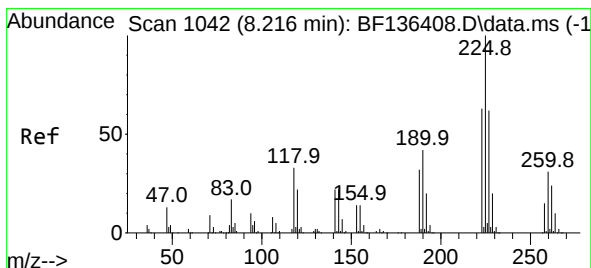
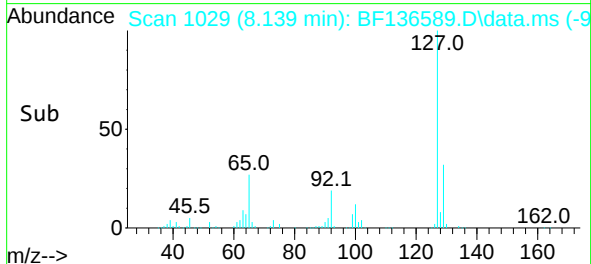
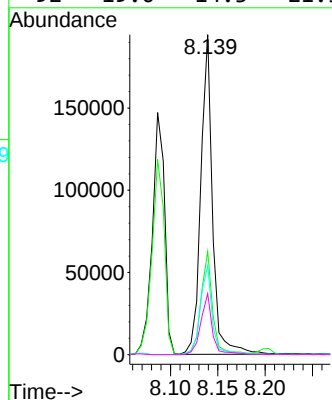
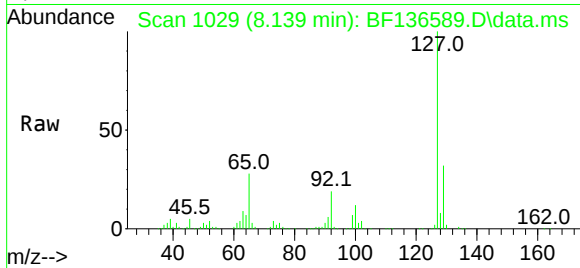
#33
4-Chloroaniline
Concen: 18.333 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD

Tgt Ion:127 Resp: 168562
Ion Ratio Lower Upper
127 100
129 32.3 25.4 38.2
65 27.8 22.5 33.7
92 19.0 14.3 21.5

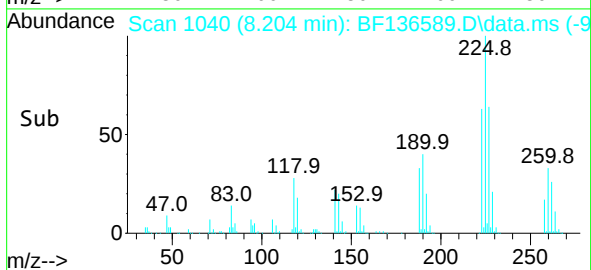
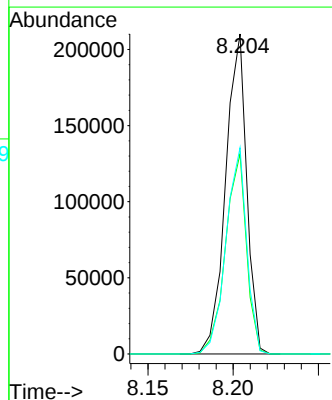
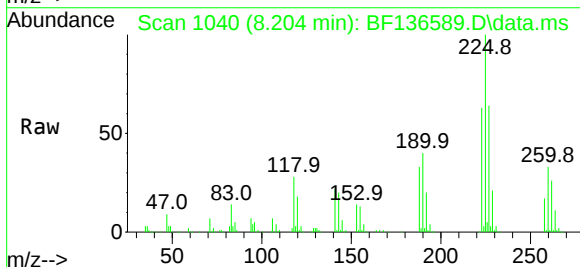
Manual Integrations
APPROVED

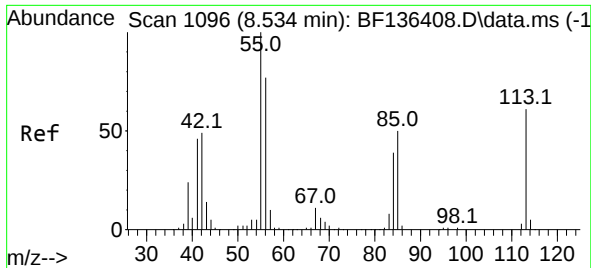
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#34
Hexachlorobutadiene
Concen: 37.616 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

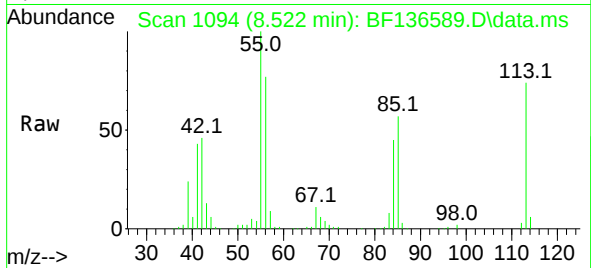
Tgt Ion:225 Resp: 181006
Ion Ratio Lower Upper
225 100
223 62.5 50.8 76.2
227 64.4 49.8 74.8





#35
Caprolactam
Concen: 40.253 ng m
RT: 8.522 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

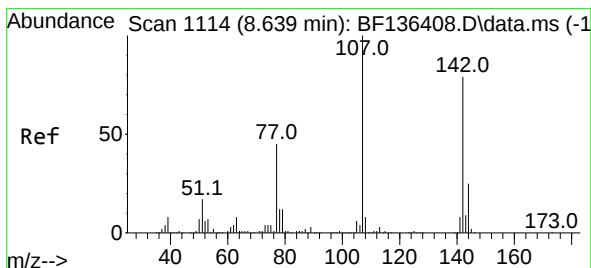
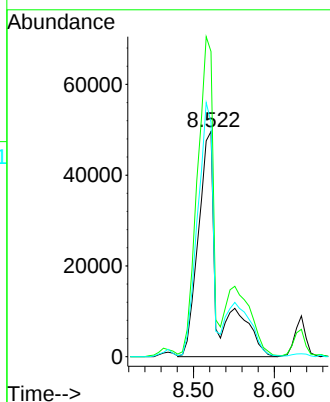
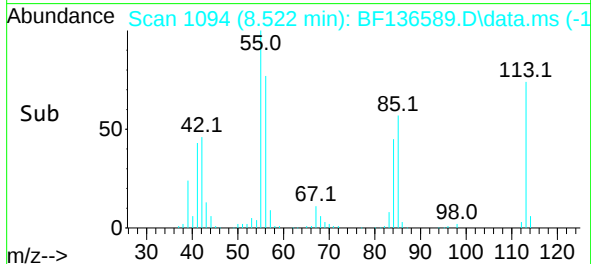
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



Tgt Ion:113 Resp: 86310
Ion Ratio Lower Upper
113 100
55 135.5 143.7 183.7
56 104.1 105.2 145.2

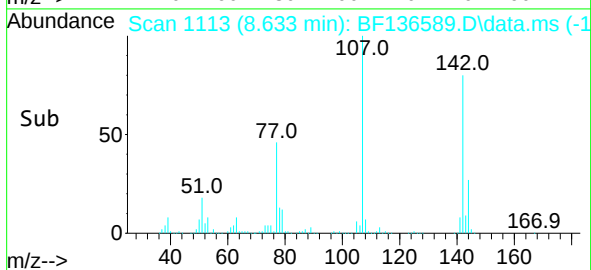
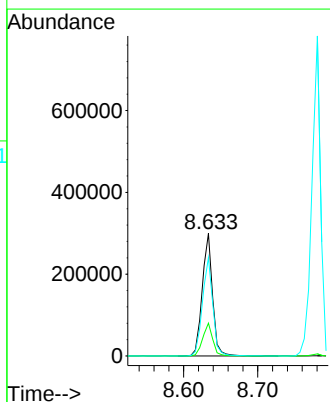
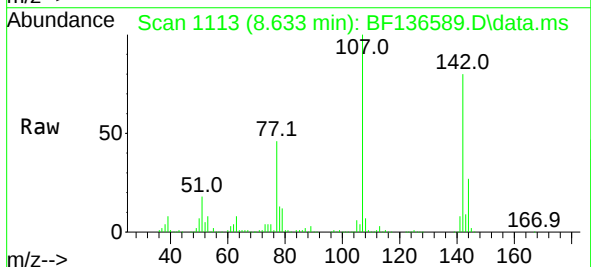
Manual Integrations
APPROVED

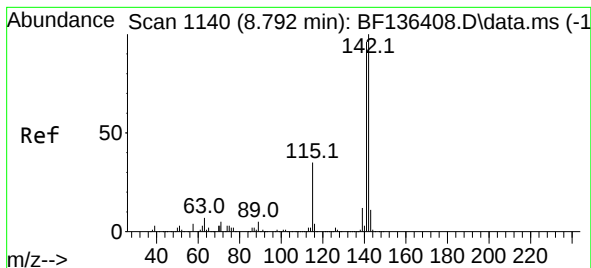
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#36
4-Chloro-3-methylphenol
Concen: 39.045 ng
RT: 8.633 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion:107 Resp: 288677
Ion Ratio Lower Upper
107 100
144 26.8 20.1 30.1
142 80.3 63.1 94.7





#37
2-Methylnaphthalene
Concen: 38.599 ng
RT: 8.780 min Scan# 1140
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

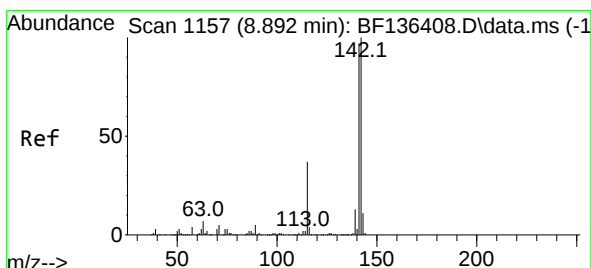
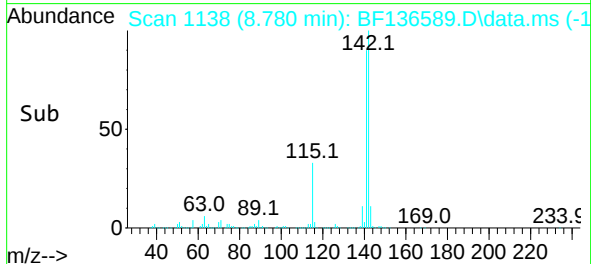
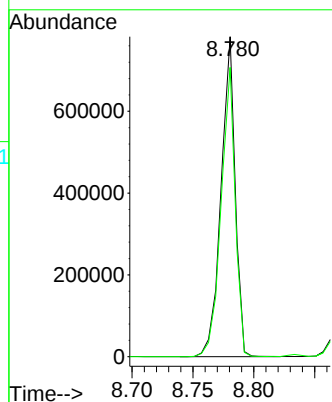
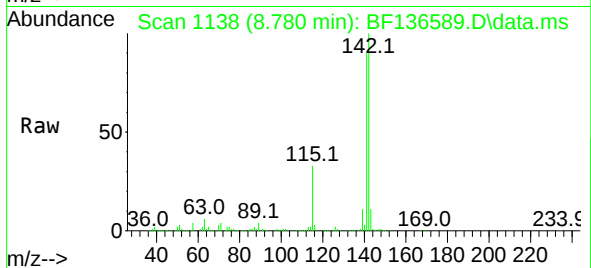
SH-SOIL-BMSD

Tgt Ion:142 Resp: 633300
Ion Ratio Lower Upper
142 100
141 90.4 76.4 114.6

Manual Integrations

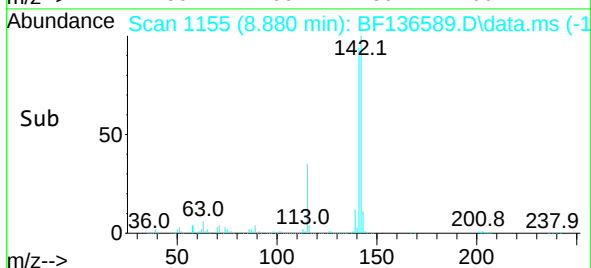
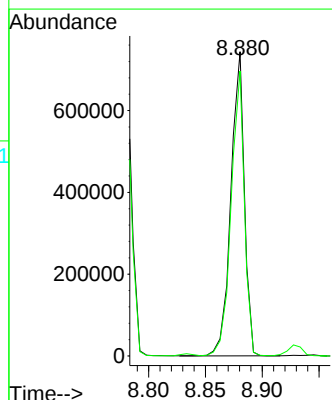
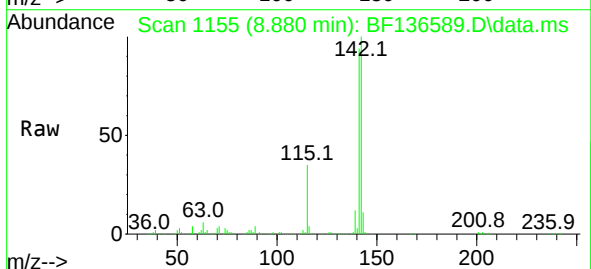
APPROVED

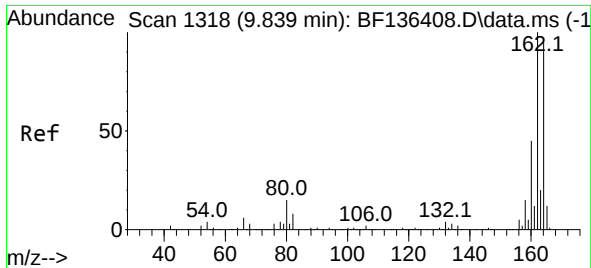
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#38
1-Methylnaphthalene
Concen: 38.100 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion:142 Resp: 613412
Ion Ratio Lower Upper
142 100
141 93.7 77.7 116.5





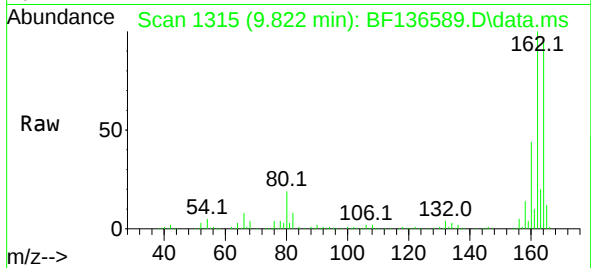
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD



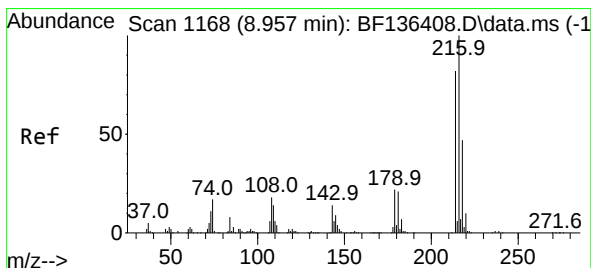
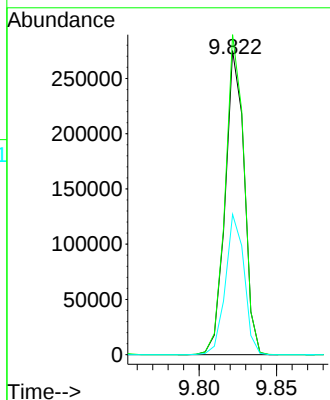
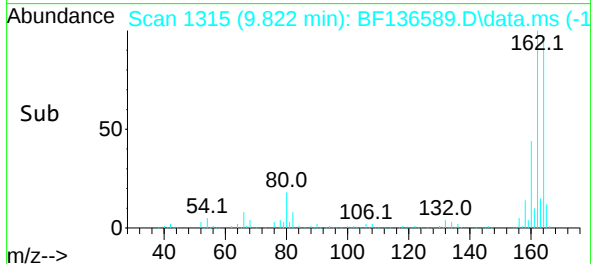
Tgt Ion:164 Resp: 23480
Ion Ratio Lower Upper
164 100
162 105.3 84.4 126.6
160 46.2 37.6 56.4

Manual Integrations

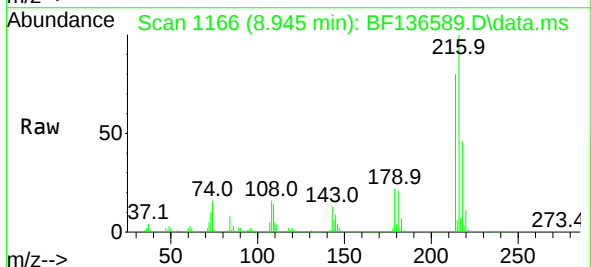
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

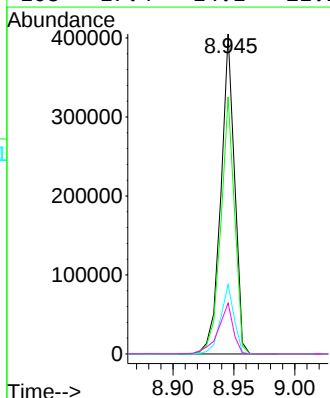
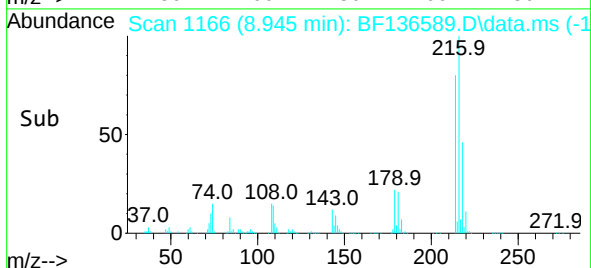
Supervised By :mohammad ahmed 12/16/2023

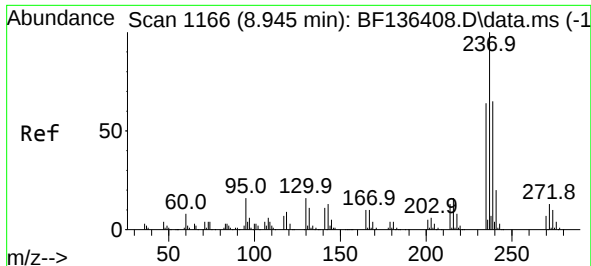


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.445 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



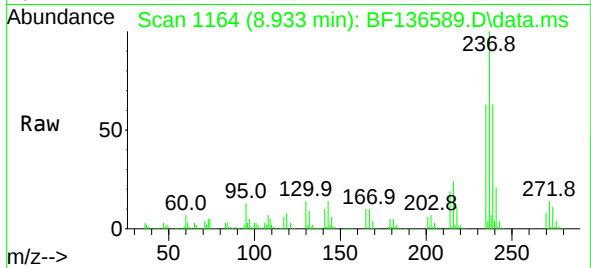
Tgt Ion:216 Resp: 317369
Ion Ratio Lower Upper
216 100
214 80.4 64.1 96.1
179 21.3 17.0 25.6
108 17.4 14.1 21.1





#41
Hexachlorocyclopentadiene
Concen: 73.648 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

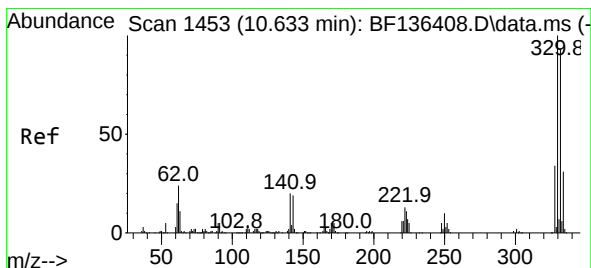
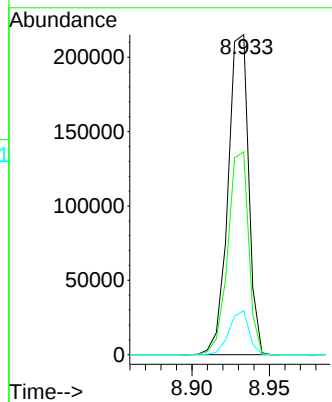
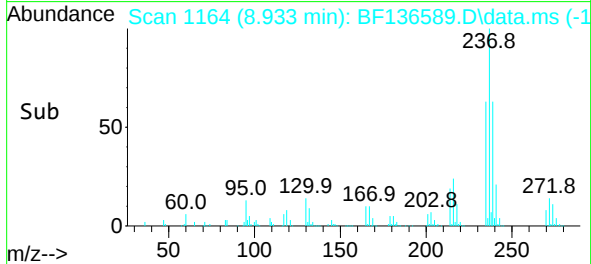
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



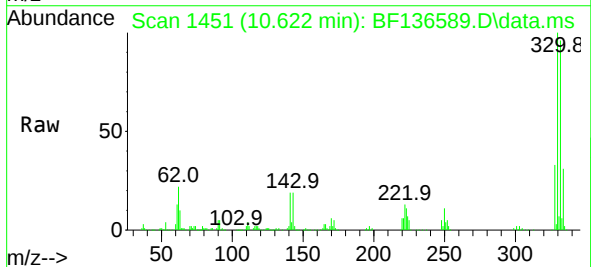
Tgt Ion:237 Resp: 19931
Ion Ratio Lower Upper
237 100
235 63.4 44.1 84.1
272 13.8 0.0 33.3

Manual Integrations
APPROVED

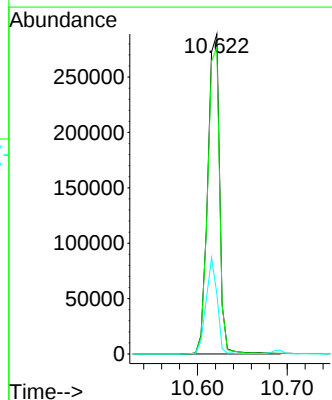
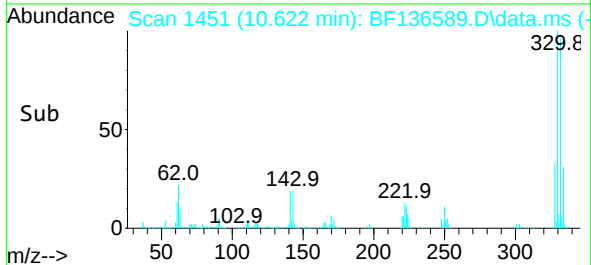
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

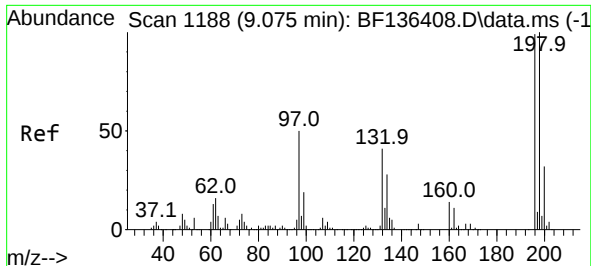


#42
2,4,6-Tribromophenol
Concen: 91.646 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



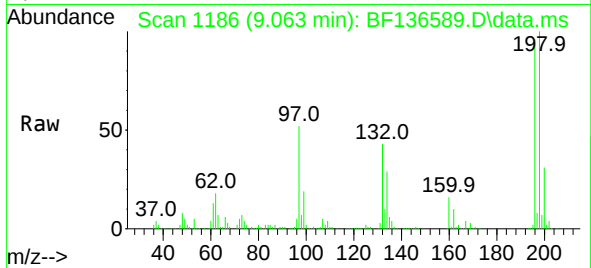
Tgt Ion:330 Resp: 265325
Ion Ratio Lower Upper
330 100
332 97.0 76.4 114.6
141 28.0 23.4 35.2





#43
2,4,6-Trichlorophenol
Concen: 40.889 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

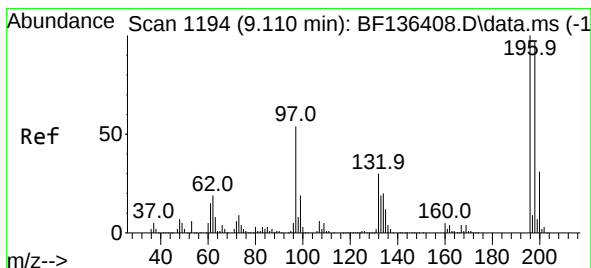
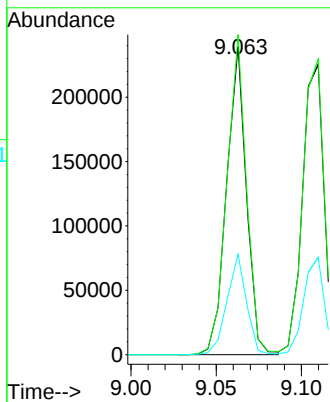
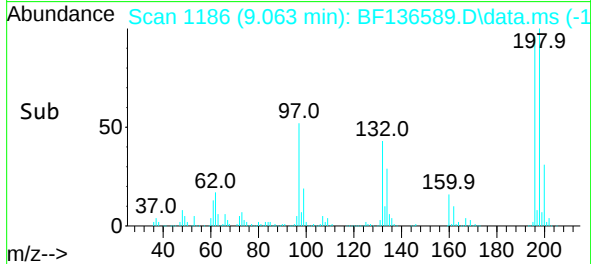
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



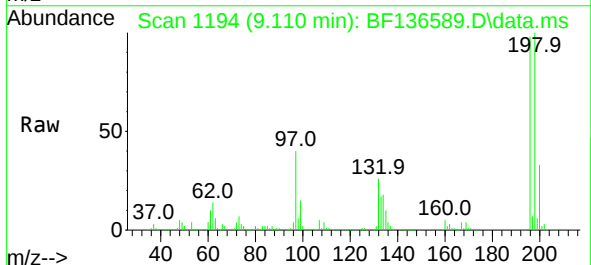
Tgt Ion:196 Resp: 194489
Ion Ratio Lower Upper
196 100
198 103.8 80.4 120.6
200 32.5 25.9 38.9

Manual Integrations
APPROVED

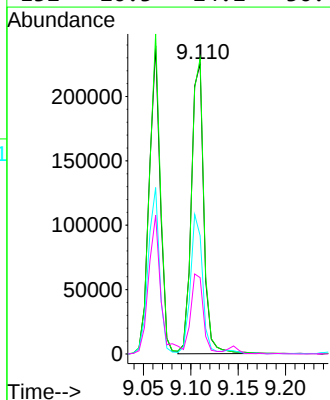
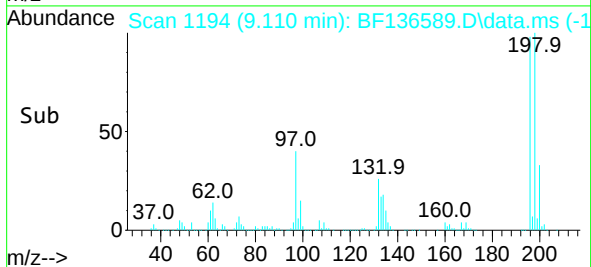
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

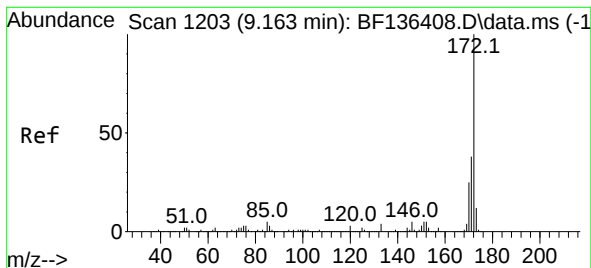


#44
2,4,5-Trichlorophenol
Concen: 38.959 ng
RT: 9.110 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:196 Resp: 206822
Ion Ratio Lower Upper
196 100
198 101.8 78.1 117.1
97 40.8 43.4 65.2#
132 26.3 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 62.509 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

Tgt Ion:172 Resp: 107563

Ion Ratio Lower Upper

172 100

171 36.1 30.5 45.7

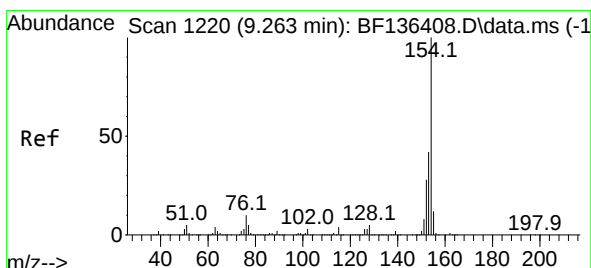
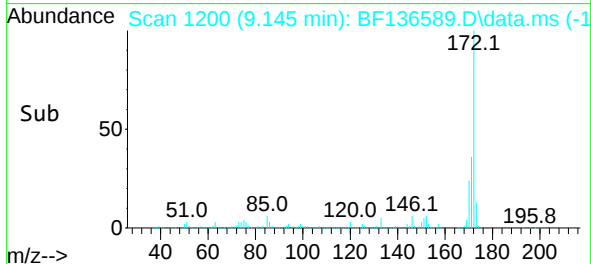
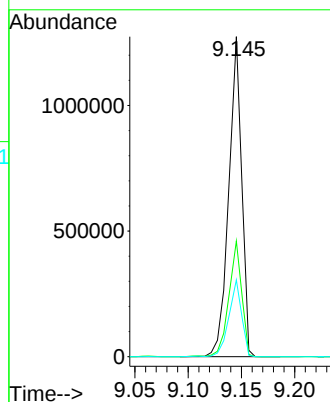
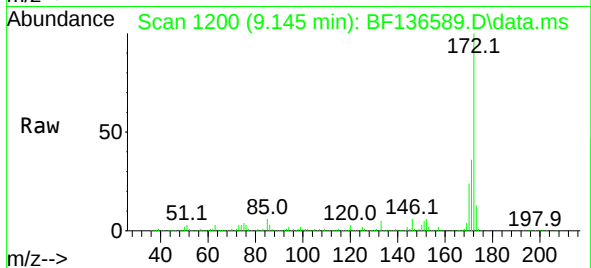
170 24.0 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#46

1,1'-Biphenyl

Concen: 41.273 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

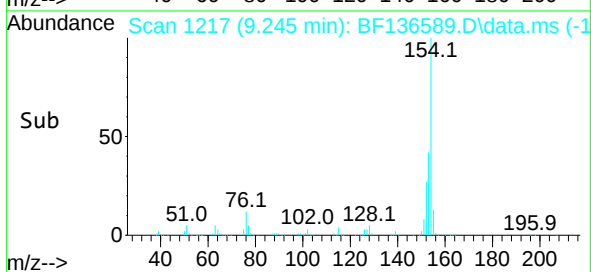
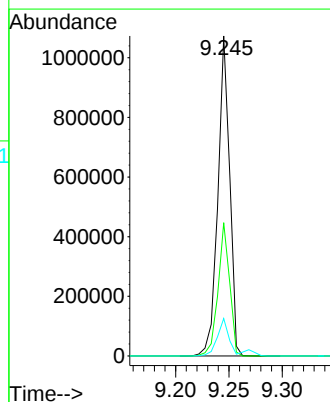
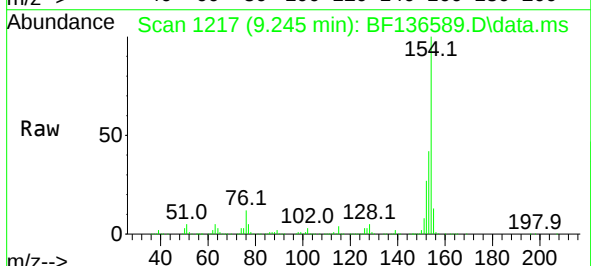
Tgt Ion:154 Resp: 824604

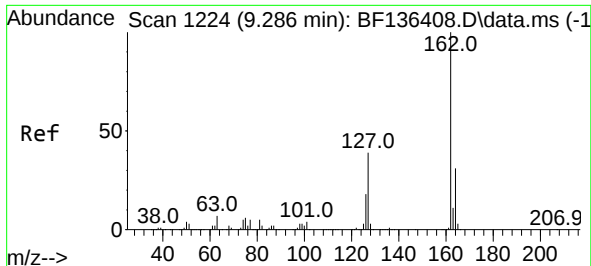
Ion Ratio Lower Upper

154 100

153 41.6 22.5 62.5

76 11.7 0.0 29.9





#47
2-Chloronaphthalene
Concen: 39.949 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

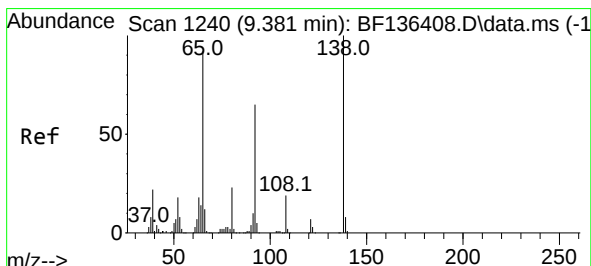
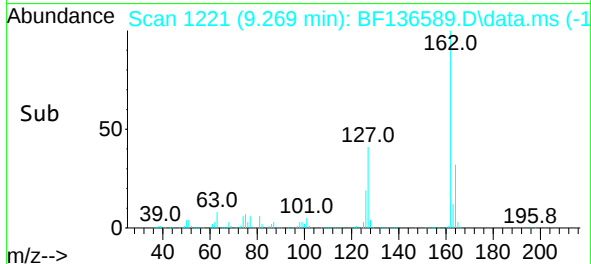
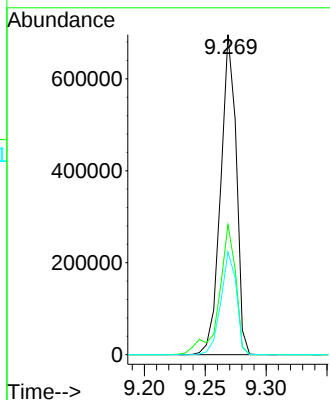
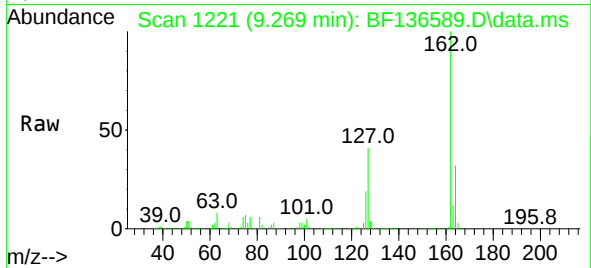
ClientSampleId :

SH-SOIL-BMSD

Tgt Ion:162 Resp: 62121
Ion Ratio Lower Upper
162 100
127 40.6 31.1 46.7
164 32.1 24.6 37.0

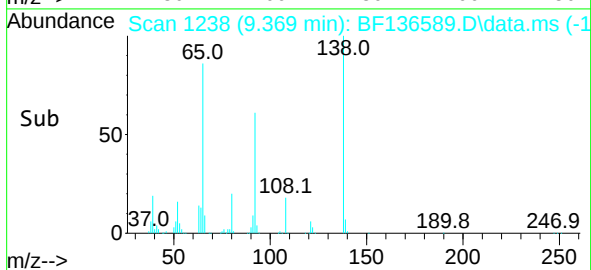
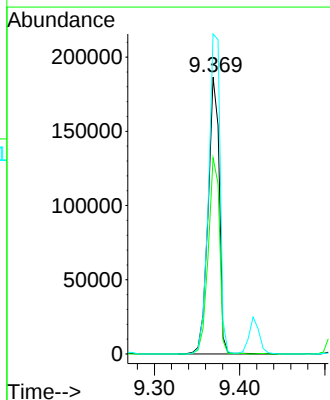
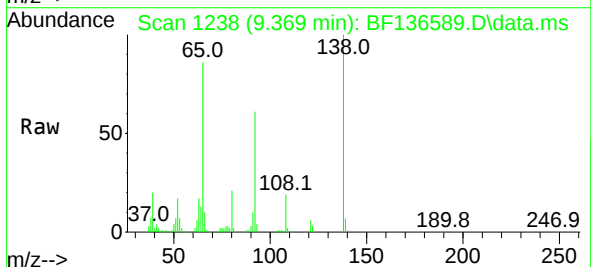
Manual Integrations
APPROVED

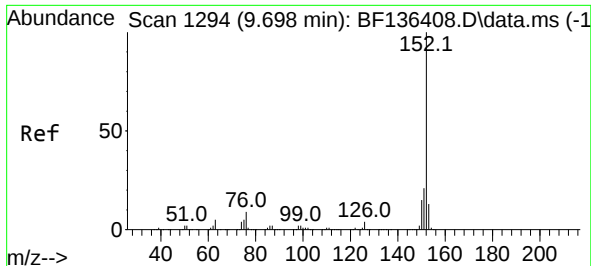
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#48
2-Nitroaniline
Concen: 40.669 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion: 65 Resp: 169617
Ion Ratio Lower Upper
65 100
92 70.9 56.1 84.1
138 115.6 86.7 130.1





#49

Acenaphthylene

Concen: 42.523 ng

RT: 9.686 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

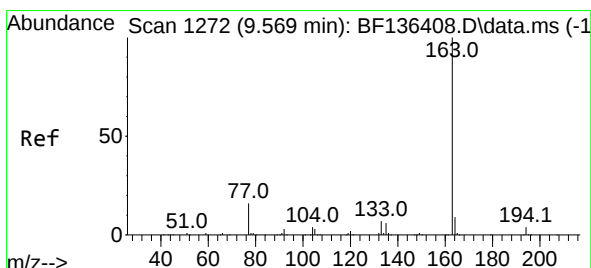
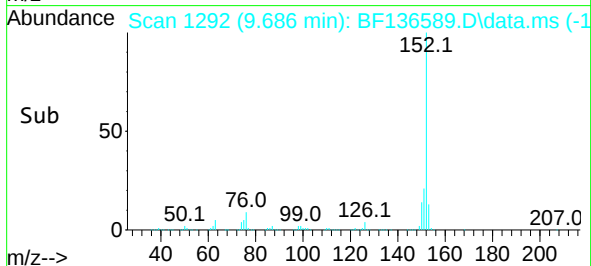
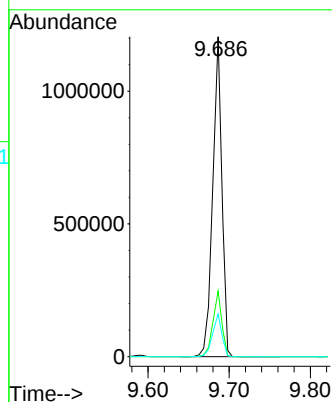
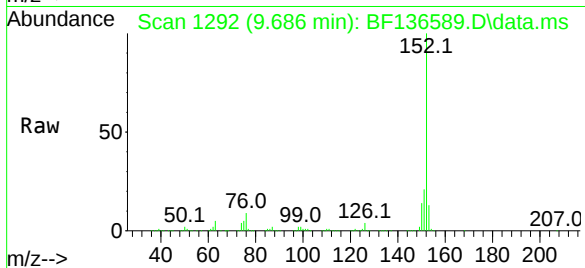
Tgt Ion:	152	Resp:	941960
Ion Ratio	Lower	Upper	
152	100		
151	20.5	17.2	25.8
153	13.4	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#50

Dimethylphthalate

Concen: 41.429 ng

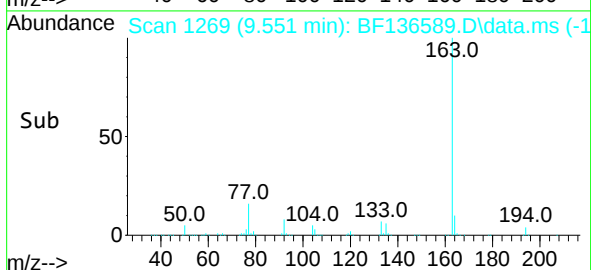
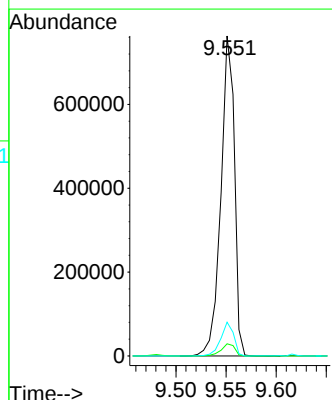
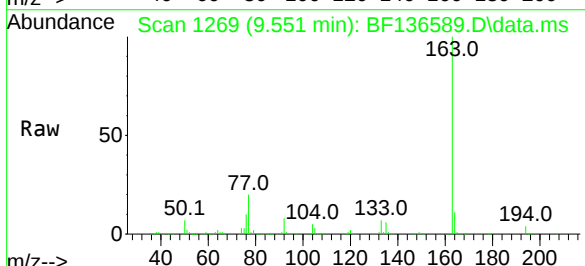
RT: 9.551 min Scan# 1269

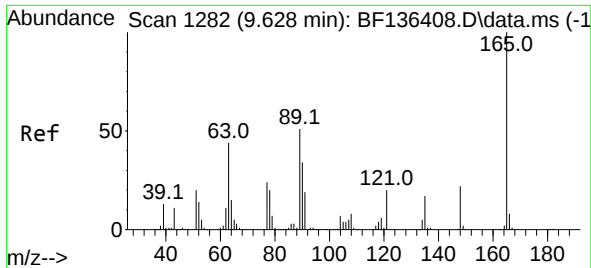
Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Tgt Ion:	163	Resp:	716173
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.6	7.4	11.2





#51
2,6-Dinitrotoluene
Concen: 40.768 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

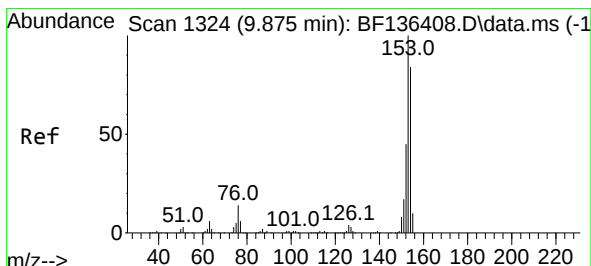
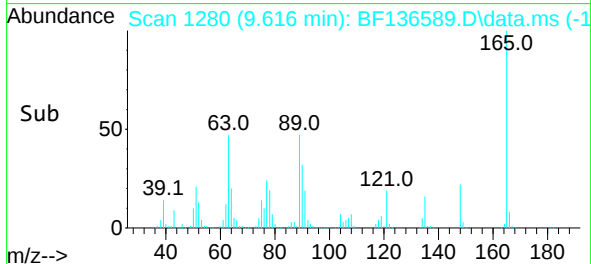
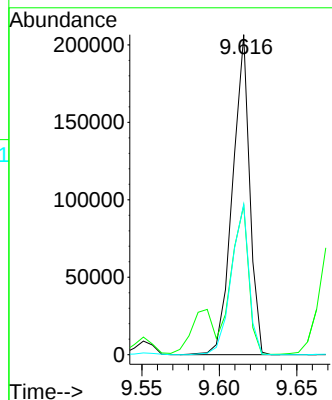
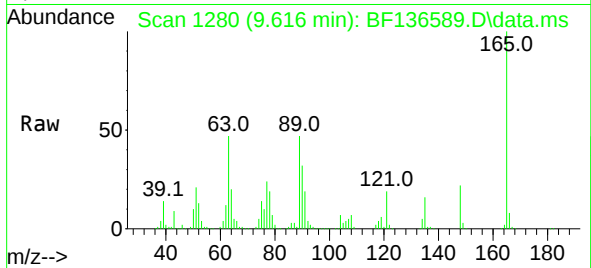
ClientSampleId :

SH-SOIL-BMSD

Tgt Ion:165 Resp: 15854
Ion Ratio Lower Upper
165 100
63 46.6 40.4 60.6
89 46.9 40.6 60.8

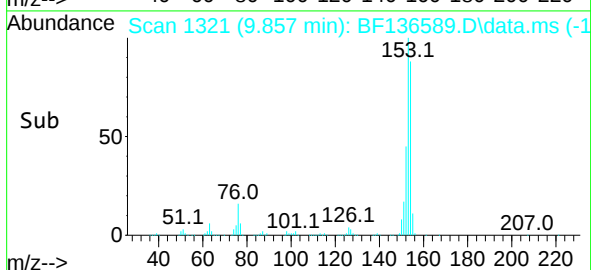
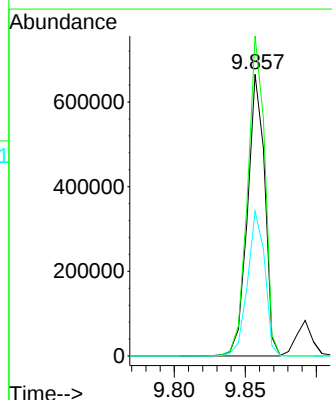
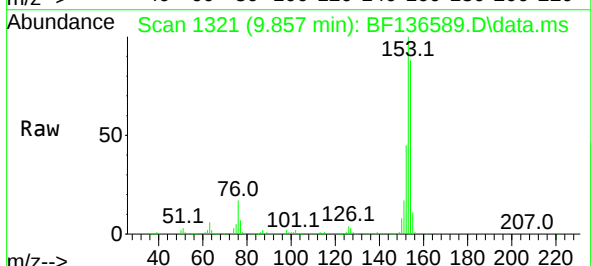
Manual Integrations
APPROVED

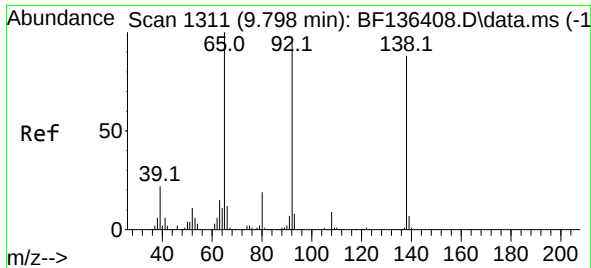
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#52
Acenaphthene
Concen: 39.562 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion:154 Resp: 561583
Ion Ratio Lower Upper
154 100
153 113.6 95.3 142.9
152 51.4 43.2 64.8





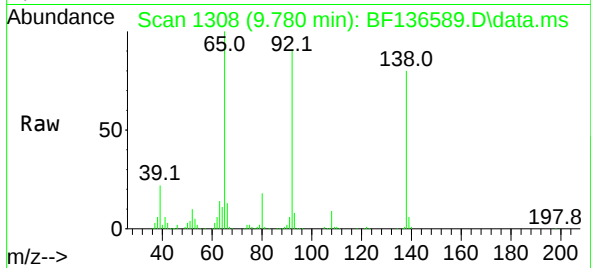
#53
3-Nitroaniline
Concen: 30.156 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

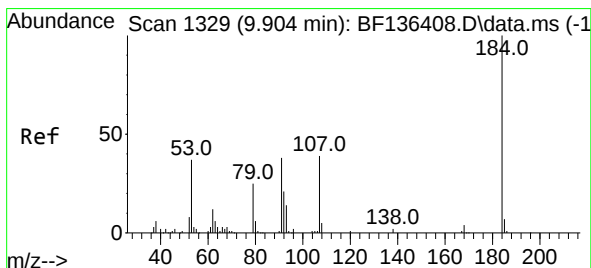
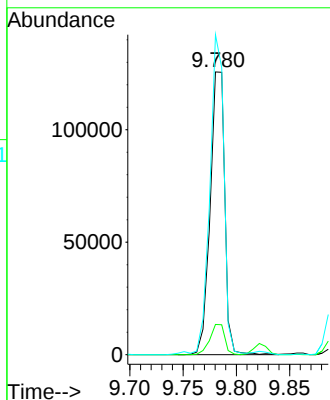


Tgt Ion:138 Resp: 11976
Ion Ratio Lower Upper
138 100
108 10.7 8.5 12.7
92 113.2 86.1 129.1

Manual Integrations

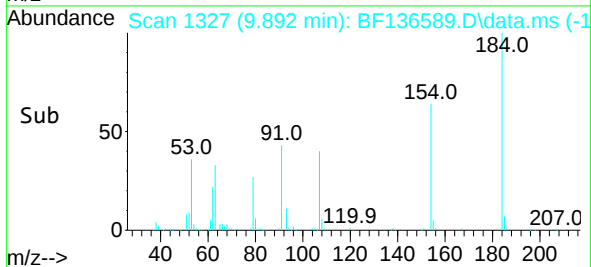
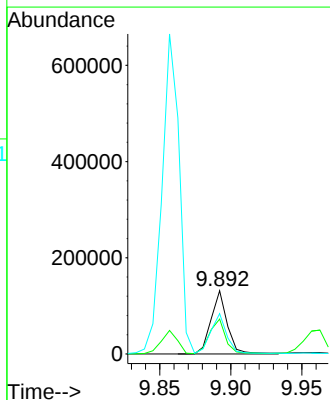
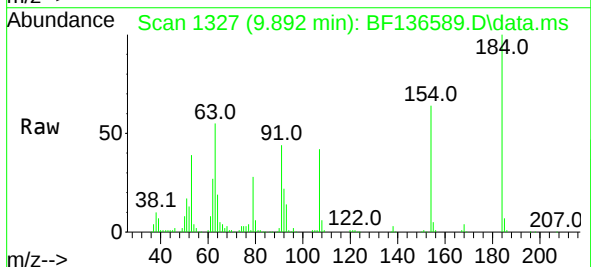
APPROVED

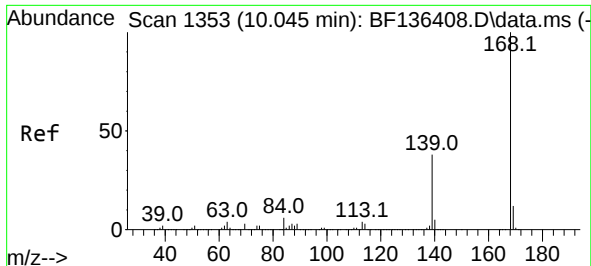
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#54
2,4-Dinitrophenol
Concen: 53.472 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

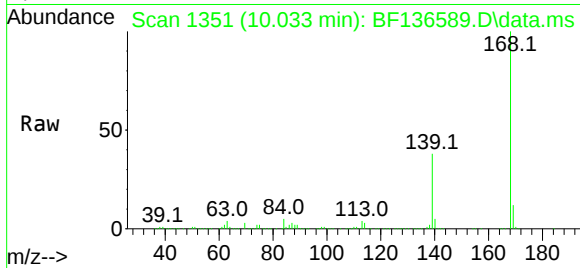
Tgt Ion:184 Resp: 105143
Ion Ratio Lower Upper
184 100
63 55.3 39.1 58.7
154 63.7 49.9 74.9





#55
Dibenzenofuran
Concen: 40.221 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

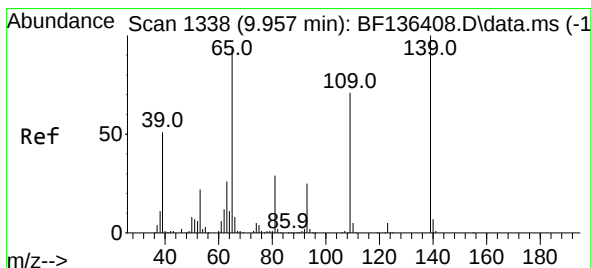
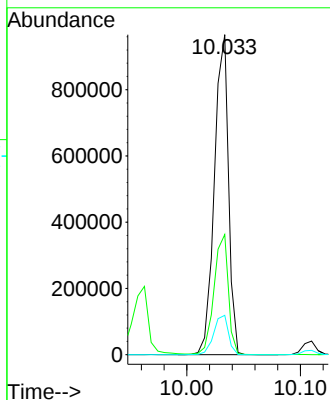
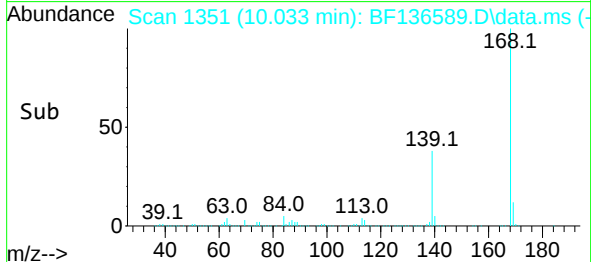
Instrument :
BNA_F
Client Sample Id :
SH-SOIL-BMSD



Tgt Ion:168 Resp: 83406
Ion Ratio Lower Upper
168 100
139 37.6 30.4 45.6
169 12.3 9.9 14.9

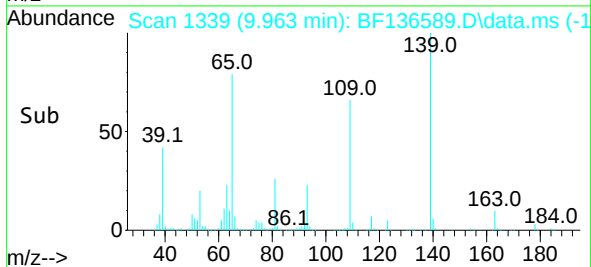
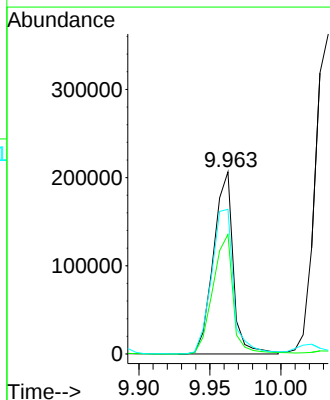
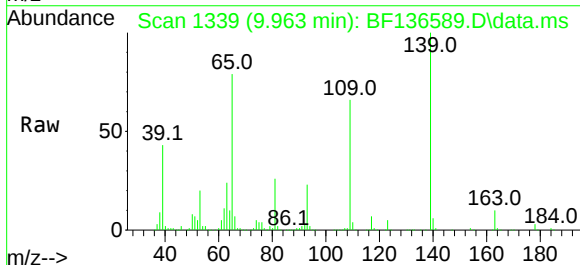
Manual Integrations
APPROVED

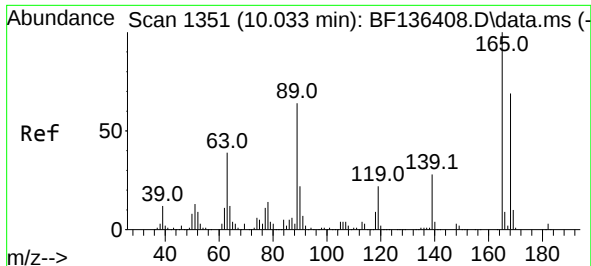
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#56
4-Nitrophenol
Concen: 67.060 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion:139 Resp: 199646
Ion Ratio Lower Upper
139 100
109 65.7 50.6 90.6
65 79.5 73.1 113.1





#57
2,4-Dinitrotoluene
Concen: 39.010 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

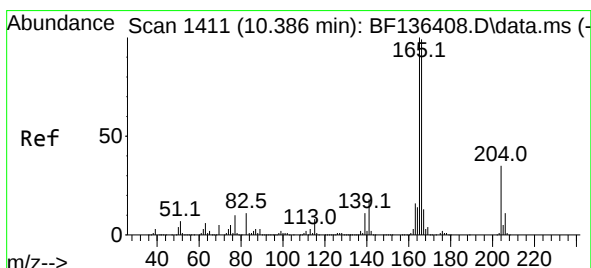
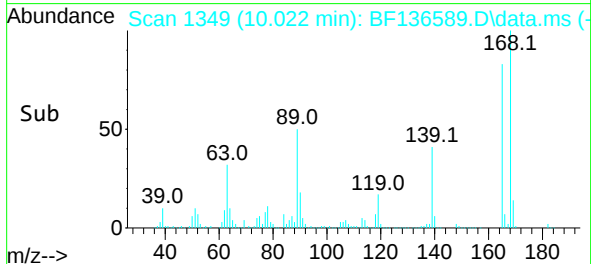
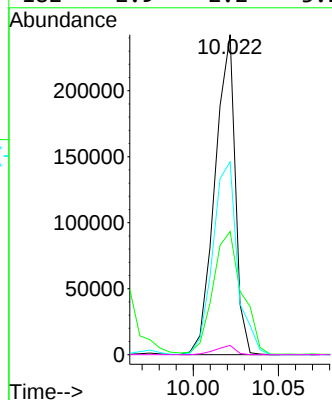
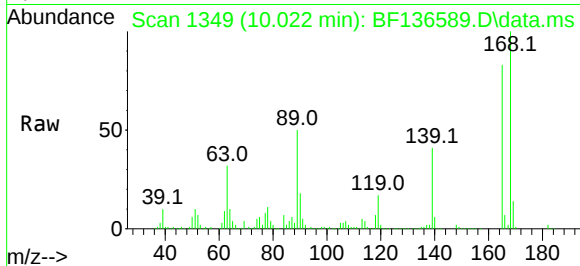
SH-SOIL-BMSD

Tgt Ion:165 Resp: 200690
Ion Ratio Lower Upper
165 100
63 38.5 31.4 47.2
89 60.2 51.7 77.5
182 2.9 2.2 3.2

Manual Integrations

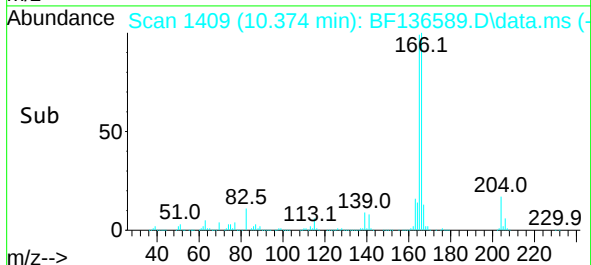
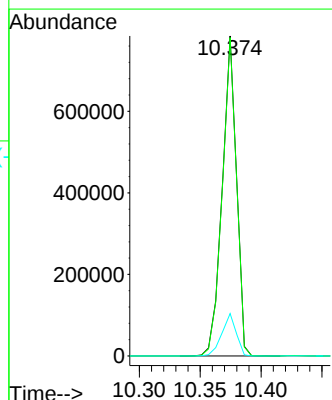
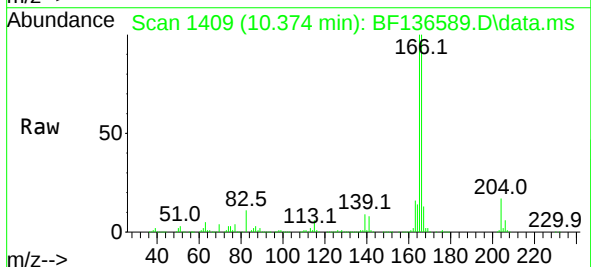
APPROVED

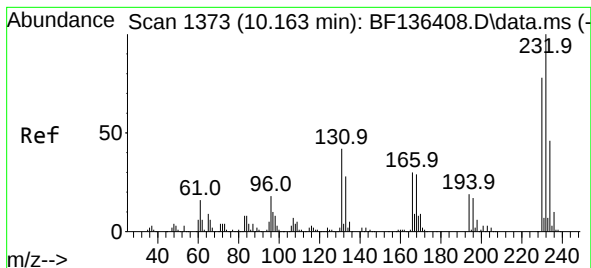
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#58
Fluorene
Concen: 38.526 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

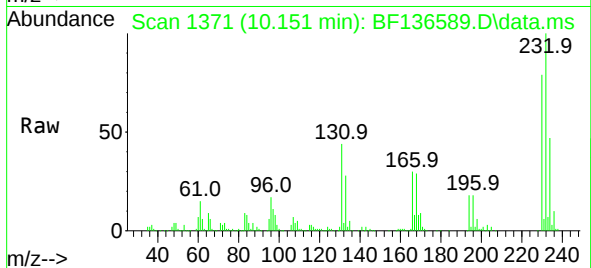
Tgt Ion:166 Resp: 641315
Ion Ratio Lower Upper
166 100
165 99.5 80.5 120.7
167 13.2 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.211 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

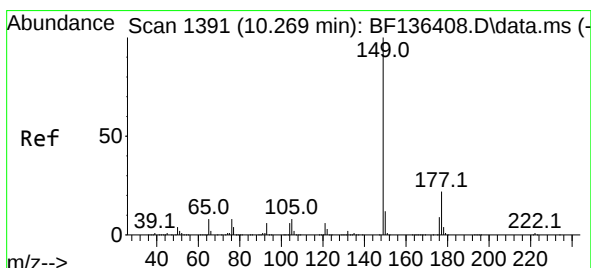
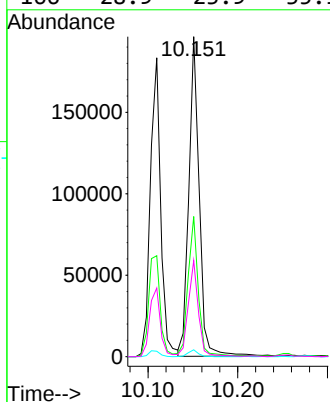
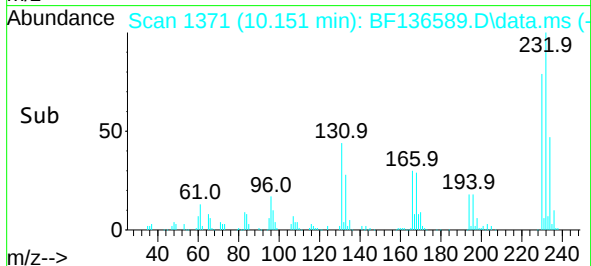
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



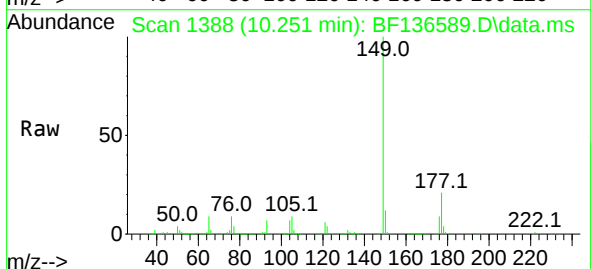
Tgt Ion:232 Resp: 158231
Ion Ratio Lower Upper
232 100
131 43.7 34.3 51.5
130 2.1 1.6 2.4
166 28.9 23.9 35.9

Manual Integrations
APPROVED

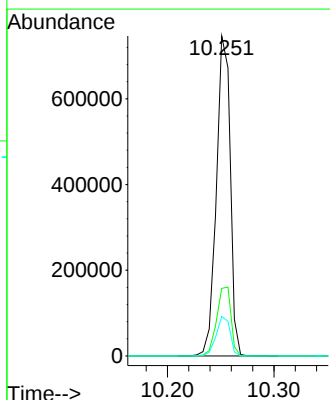
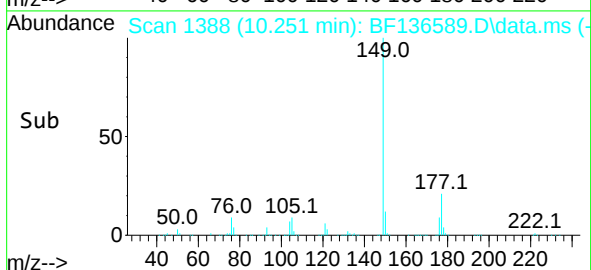
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

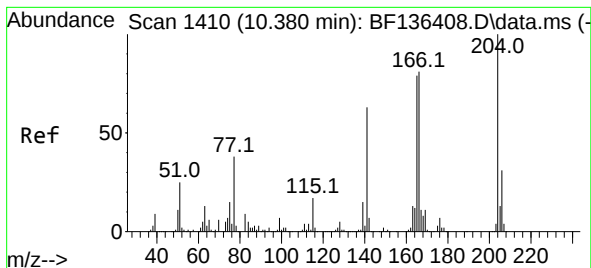


#60
Diethylphthalate
Concen: 39.731 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



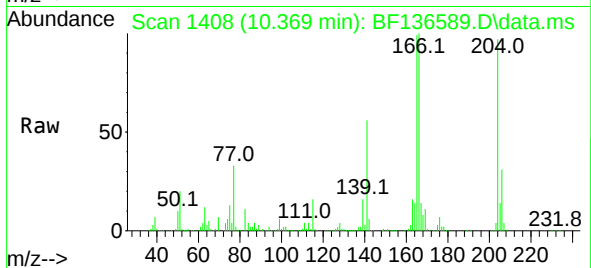
Tgt Ion:149 Resp: 675374
Ion Ratio Lower Upper
149 100
177 21.1 17.8 26.8
150 12.3 9.4 14.0





#61
4-Chlorophenyl-phenylether
Concen: 39.272 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

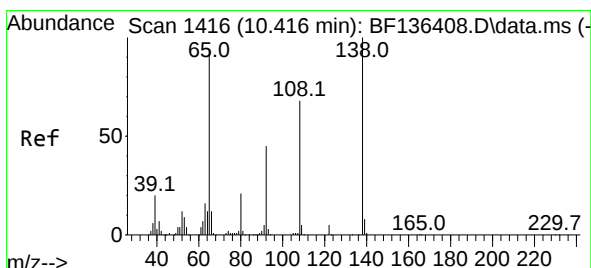
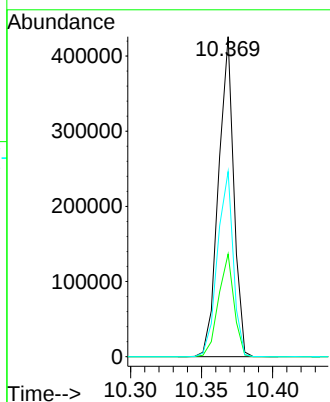
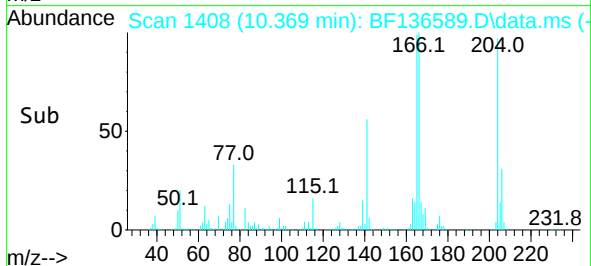
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



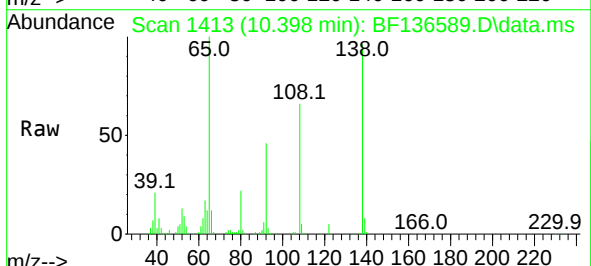
Tgt Ion:204 Resp: 31868
Ion Ratio Lower Upper
204 100
206 32.1 24.6 36.8
141 57.8 50.3 75.5

Manual Integrations
APPROVED

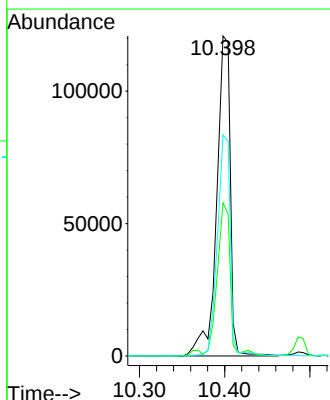
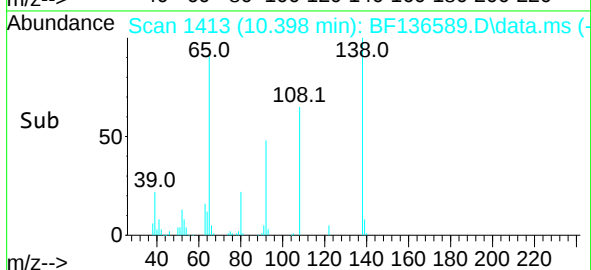
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

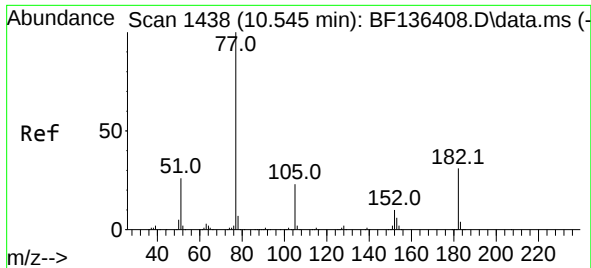


#62
4-Nitroaniline
Concen: 34.004 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:138 Resp: 134091
Ion Ratio Lower Upper
138 100
92 47.8 25.0 65.0
108 69.0 47.9 87.9





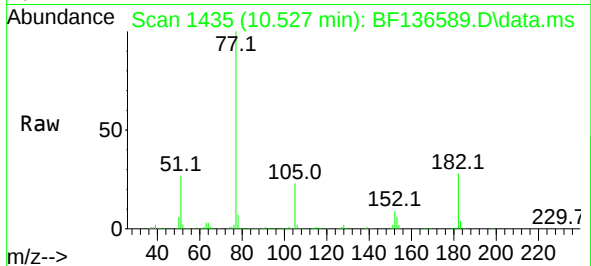
#63
Azobenzene
Concen: 37.592 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

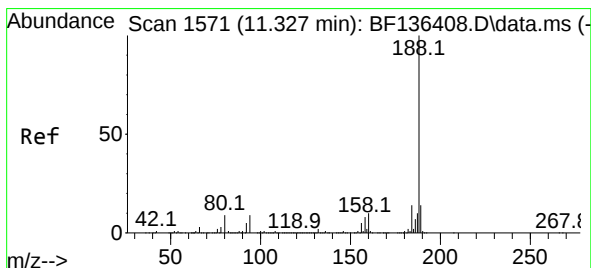
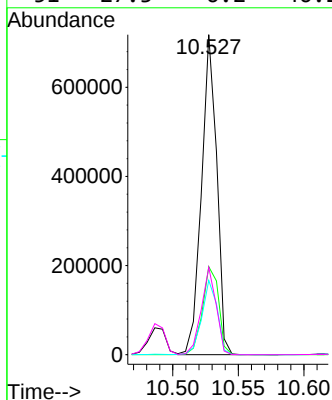
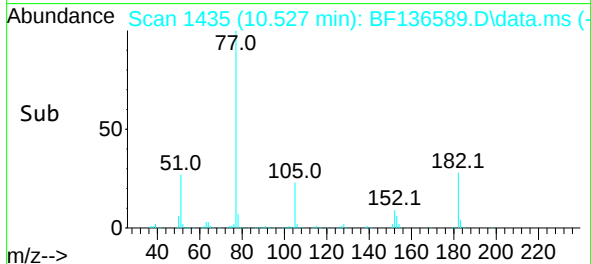


Tgt Ion: 77 Resp: 58164
Ion Ratio Lower Upper
77 100
182 27.5 10.8 50.8
105 23.2 2.6 42.6
51 27.3 6.2 46.2

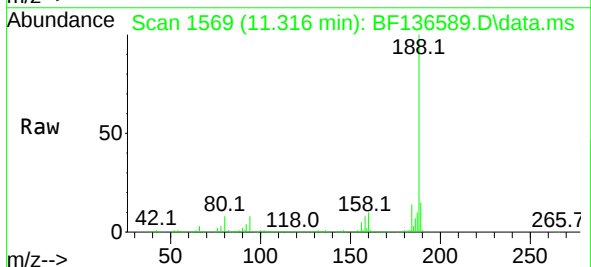
Manual Integrations

APPROVED

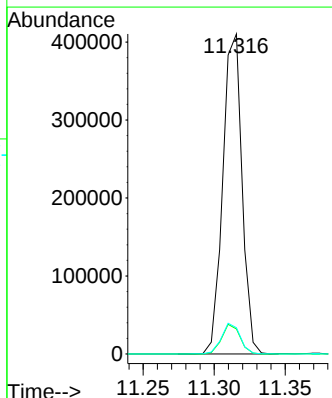
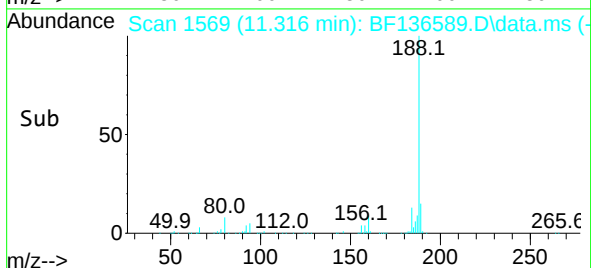
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

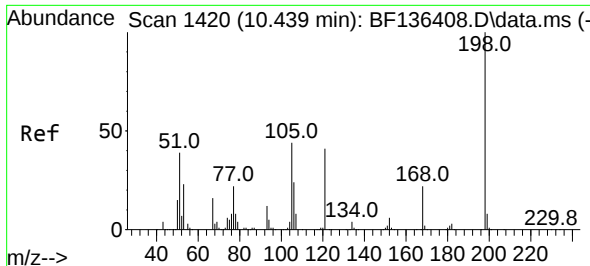


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:188 Resp: 386268
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.2 7.2 10.8





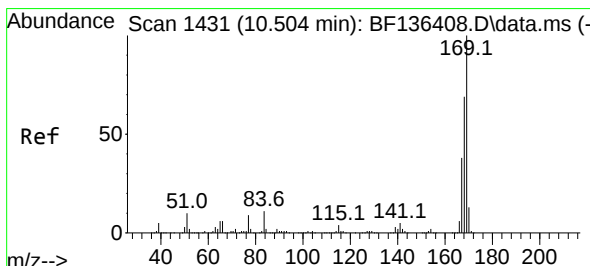
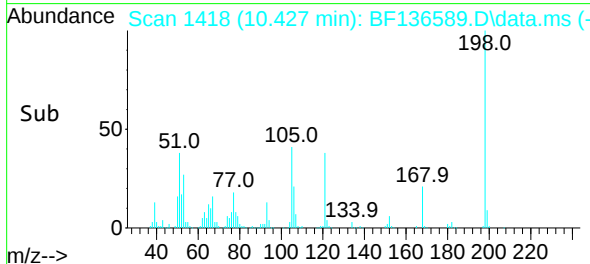
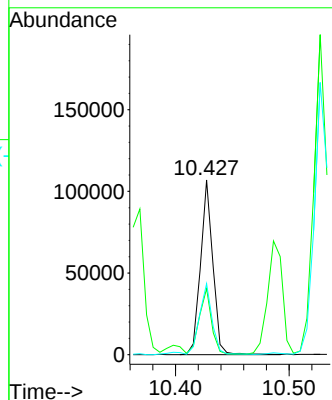
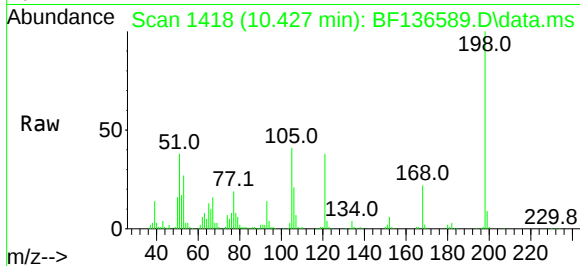
#65
4,6-Dinitro-2-methylphenol
Concen: 33.844 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD

Tgt Ion:198 Resp: 8096
Ion Ratio Lower Upper
198 100
51 37.8 24.1 64.1
105 40.7 24.8 64.8

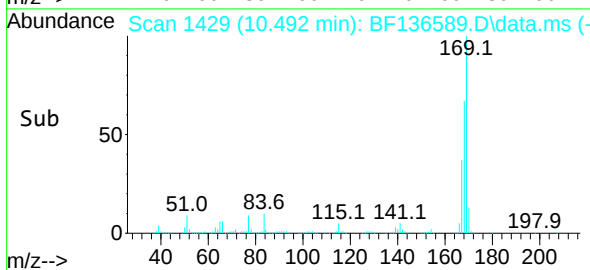
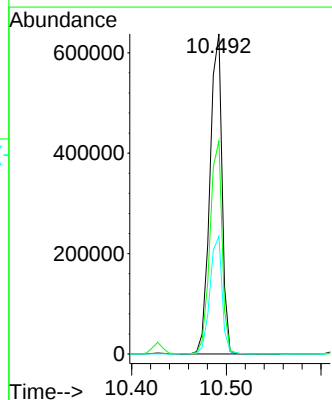
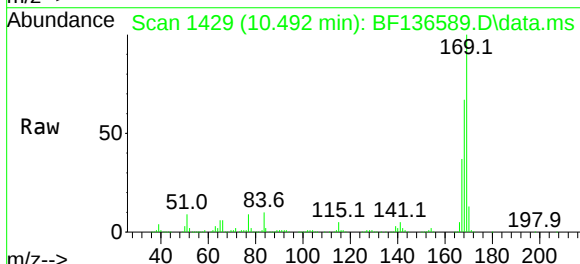
Manual Integrations
APPROVED

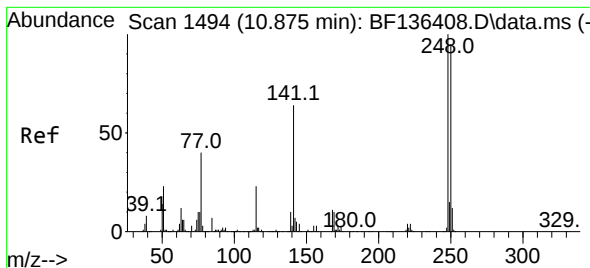
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#66
n-Nitrosodiphenylamine
Concen: 45.515 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

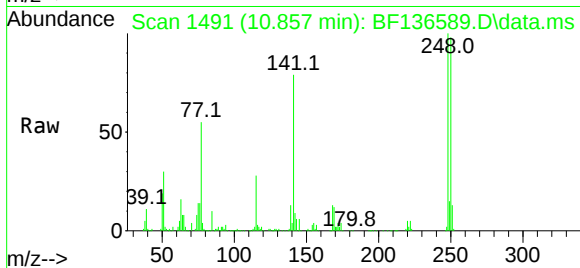
Tgt Ion:169 Resp: 564141
Ion Ratio Lower Upper
169 100
168 66.6 55.3 82.9
167 36.8 30.1 45.1





#67
4-Bromophenyl-phenylether
Concen: 43.060 ng
RT: 10.857 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

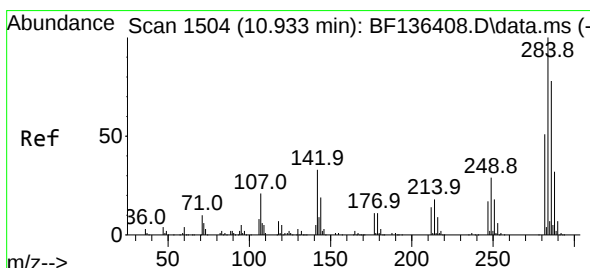
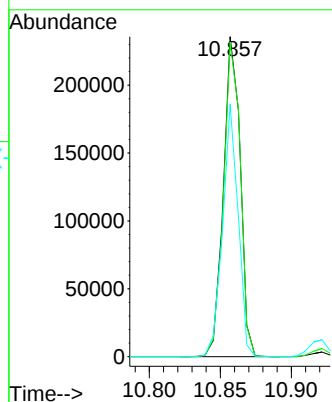
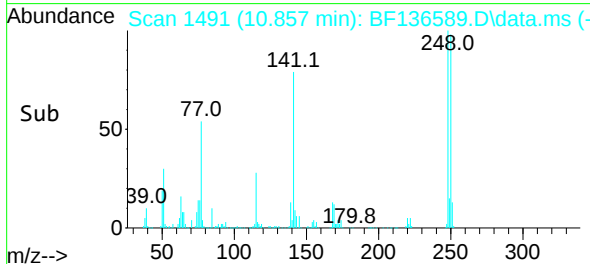
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



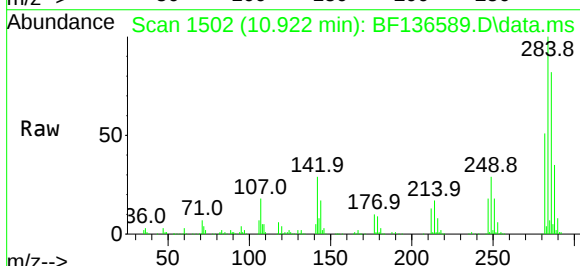
Tgt Ion:248 Resp: 19338
Ion Ratio Lower Upper
248 100
250 98.3 76.2 114.2
141 78.9 51.0 76.4

Manual Integrations
APPROVED

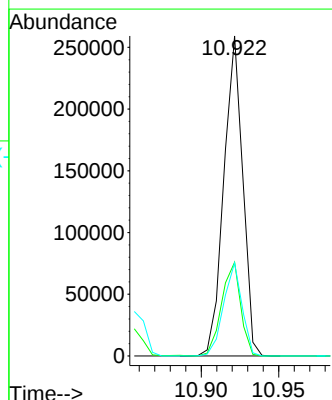
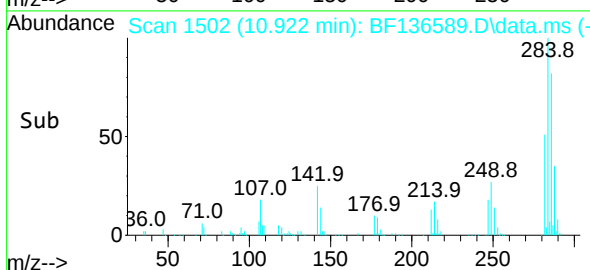
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

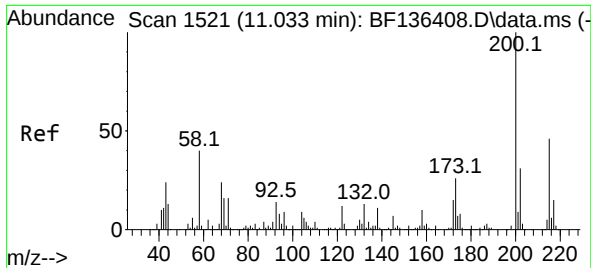


#68
Hexachlorobenzene
Concen: 42.272 ng
RT: 10.922 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



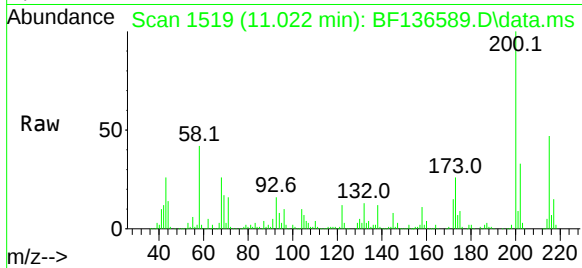
Tgt Ion:284 Resp: 219416
Ion Ratio Lower Upper
284 100
142 29.3 26.5 39.7
249 29.1 23.4 35.0





#69
Atrazine
Concen: 52.914 ng
RT: 11.022 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

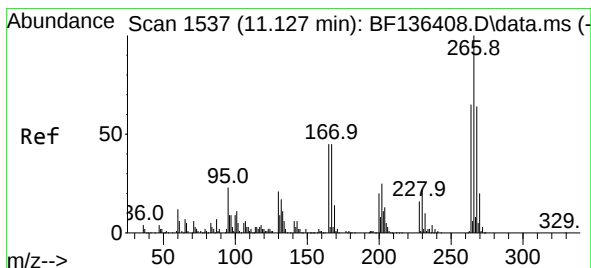
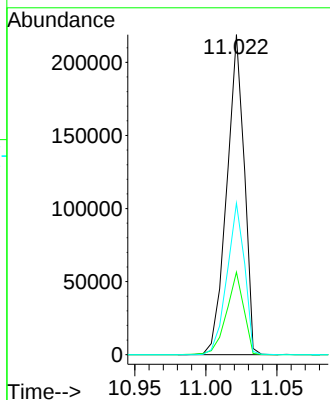
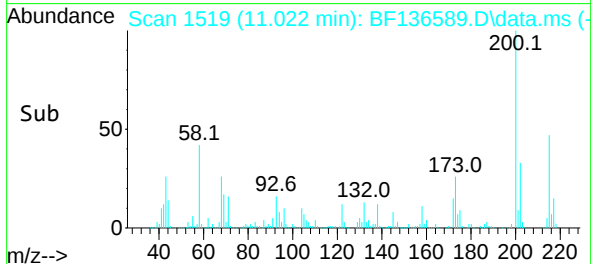
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



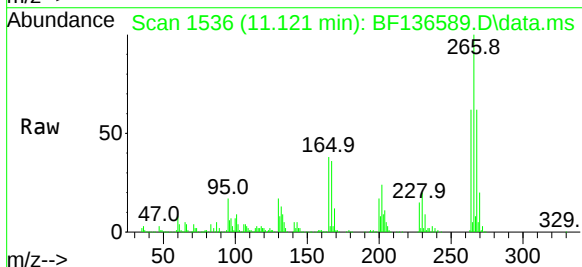
Tgt Ion:200 Resp: 187189
Ion Ratio Lower Upper
200 100
173 25.8 6.0 46.0
215 47.4 25.5 65.5

Manual Integrations
APPROVED

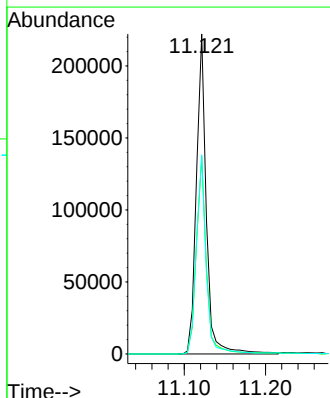
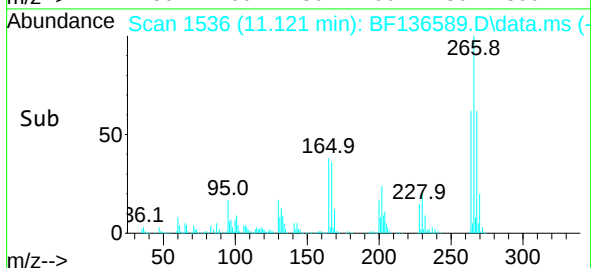
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

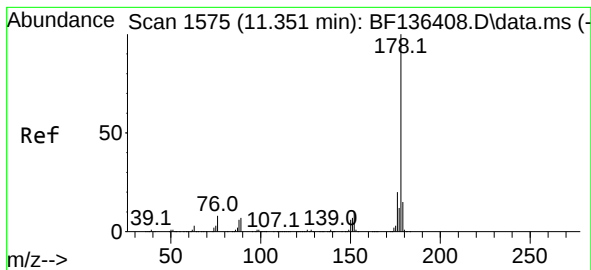


#70
Pentachlorophenol
Concen: 65.034 ng
RT: 11.121 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:266 Resp: 190515
Ion Ratio Lower Upper
266 100
268 61.6 51.0 76.6
264 62.2 52.2 78.4





#71

Phenanthrene

Concen: 41.107 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

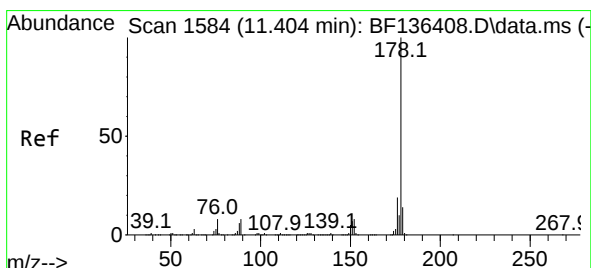
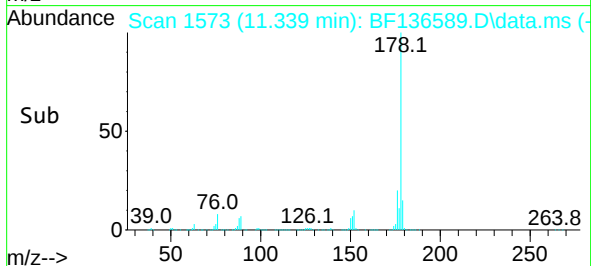
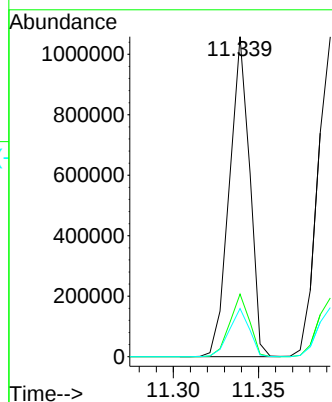
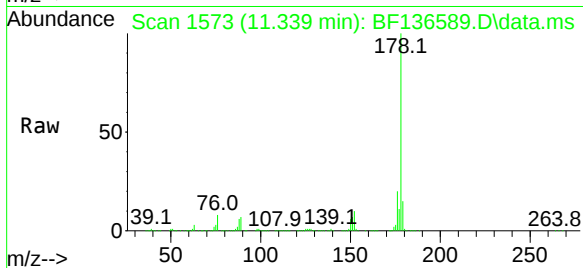
SH-SOIL-BMSD

Tgt Ion:178 Resp: 872744
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.9 23.9
 179 15.0 11.8 17.6

Manual Integrations

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



#72

Anthracene

Concen: 40.432 ng

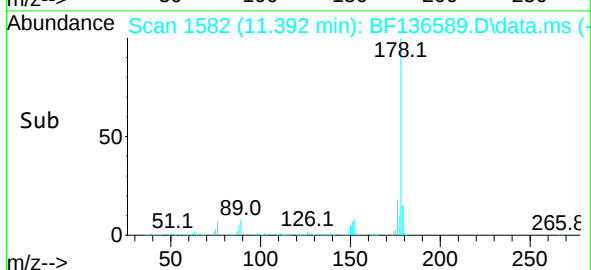
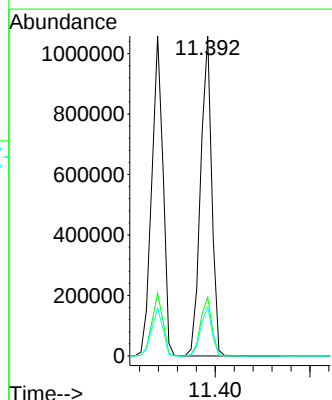
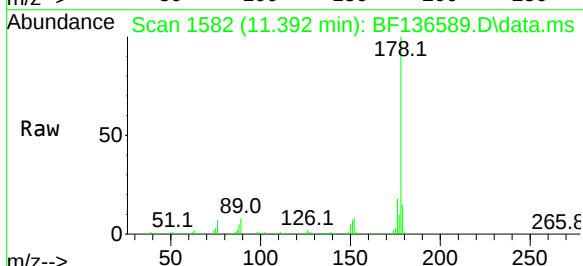
RT: 11.392 min Scan# 1582

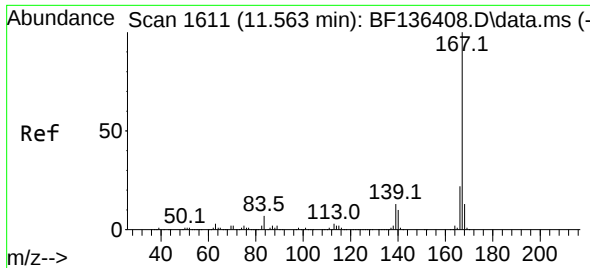
Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

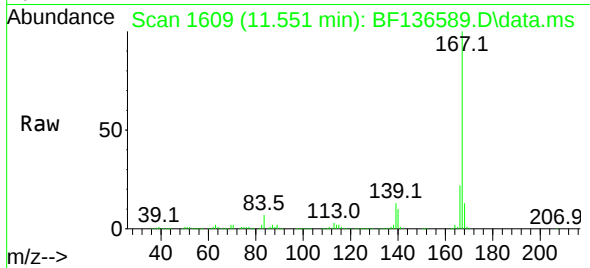
Tgt Ion:178 Resp: 864600
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 15.4 11.4 17.0





#73
 Carbazole
 Concen: 37.066 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13

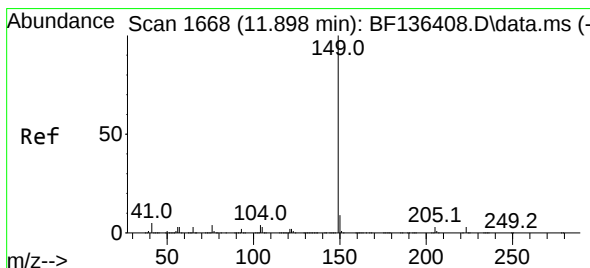
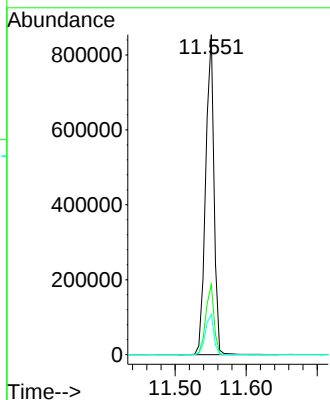
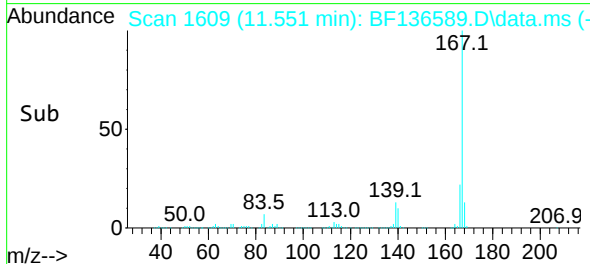
Instrument :
 BNA_F
 ClientSampleId :
 SH-SOIL-BMSD



Tgt Ion:167 Resp: 70152
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.0 27.0
 139 12.6 10.2 15.4

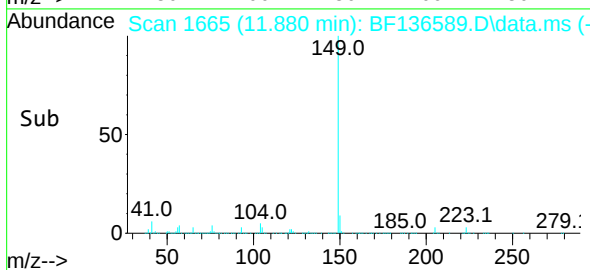
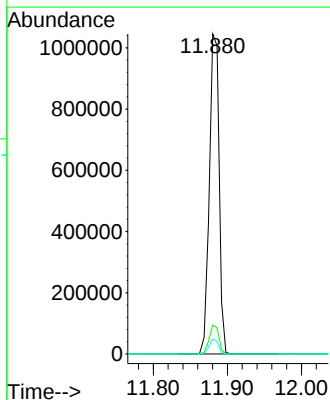
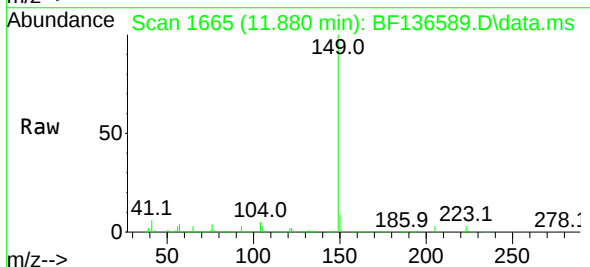
Manual Integrations
 APPROVED

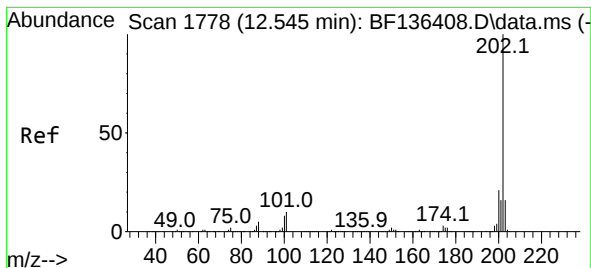
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023



#74
 Di-n-butylphthalate
 Concen: 41.314 ng
 RT: 11.880 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13

Tgt Ion:149 Resp: 958572
 Ion Ratio Lower Upper
 149 100
 150 9.0 6.9 10.3
 104 4.7 3.5 5.3





#75

Fluoranthene

Concen: 34.416 ng

RT: 12.533 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

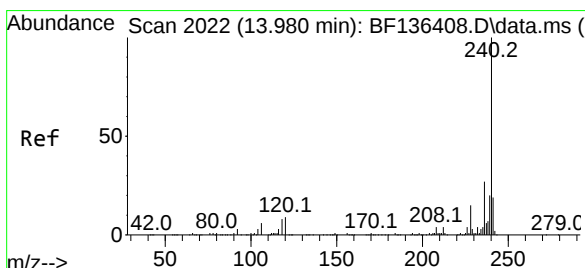
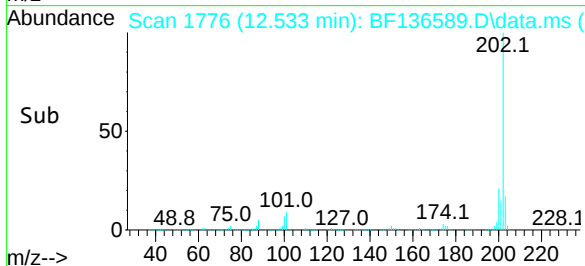
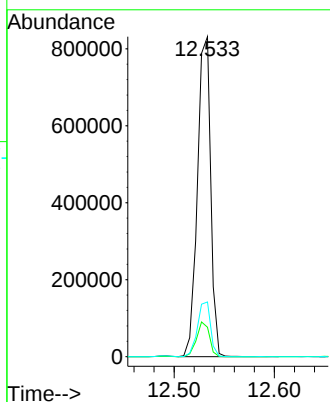
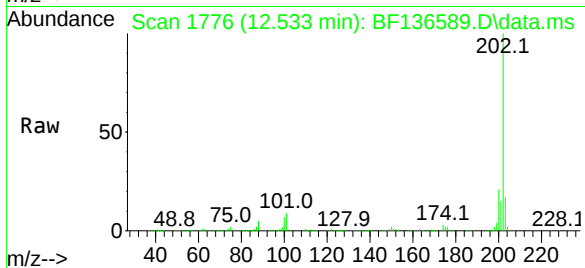
SH-SOIL-BMSD

Tgt Ion:202 Resp: 765724
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.9
 203 17.1 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

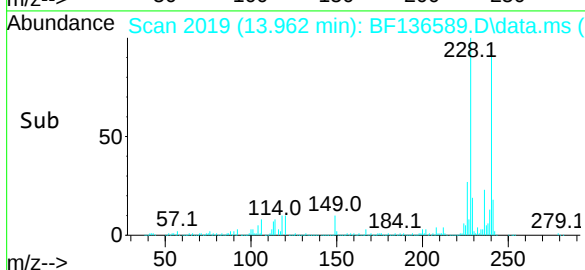
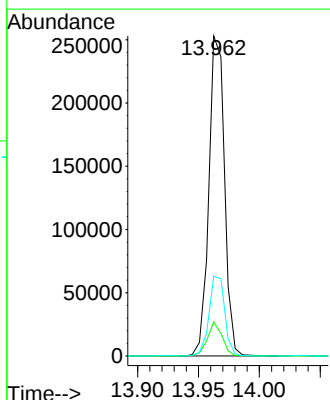
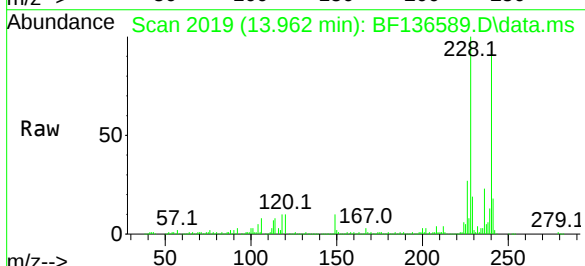
RT: 13.962 min Scan# 2019

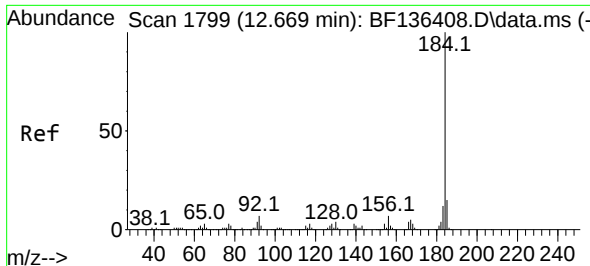
Delta R.T. -0.006 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

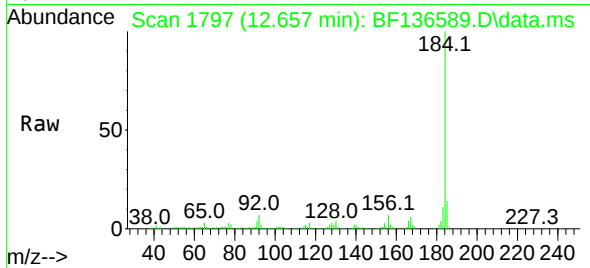
Tgt Ion:240 Resp: 225712
 Ion Ratio Lower Upper
 240 100
 120 10.7 7.3 10.9
 236 24.9 21.3 31.9





#77
Benzidine
Concen: 28.801 ng
RT: 12.657 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

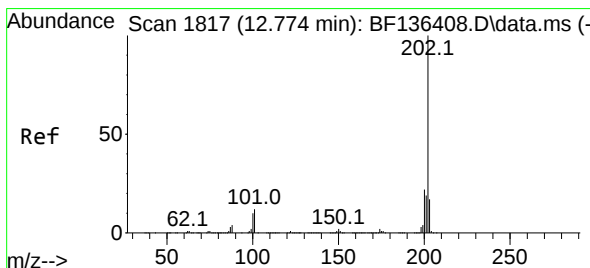
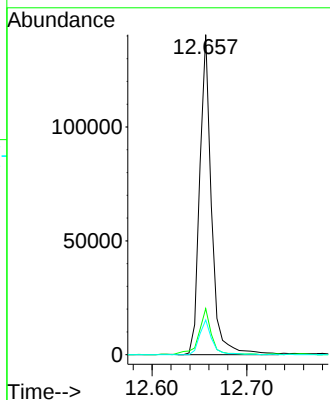
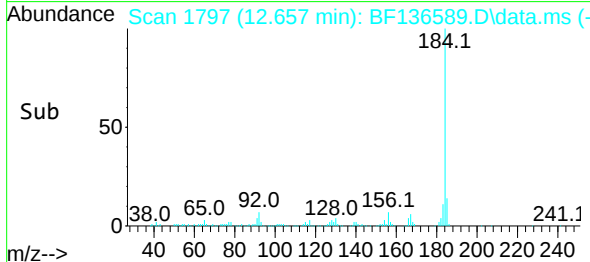
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



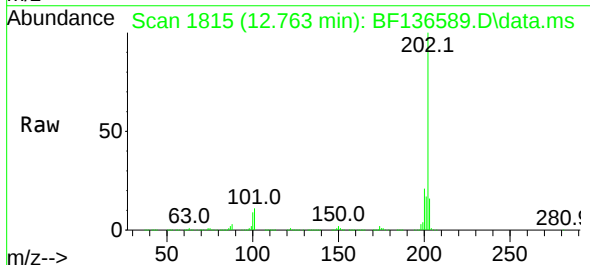
Tgt Ion:184 Resp: 120990
Ion Ratio Lower Upper
184 100
185 14.4 12.0 18.0
183 10.8 9.4 14.0

Manual Integrations
APPROVED

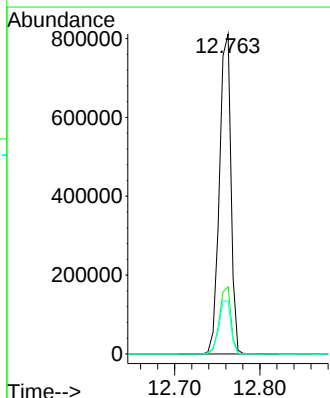
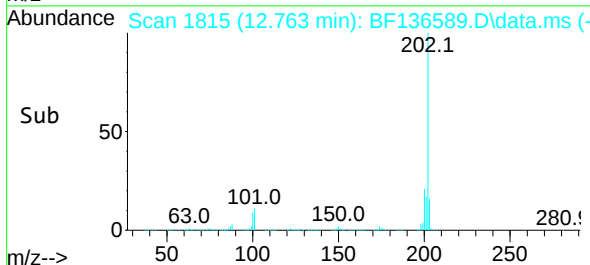
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

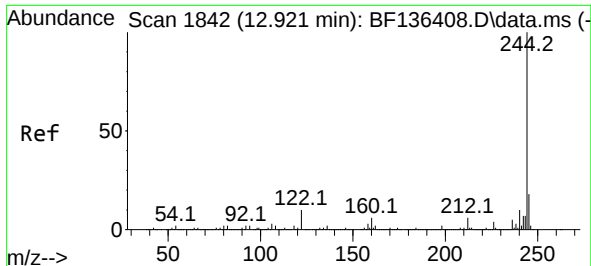


#78
Pyrene
Concen: 34.399 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



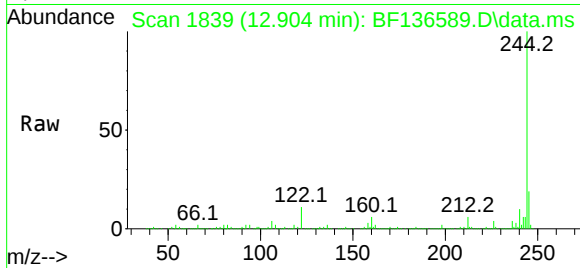
Tgt Ion:202 Resp: 760411
Ion Ratio Lower Upper
202 100
200 21.0 18.0 27.0
203 16.5 13.5 20.3





#79
 Terphenyl-d14
 Concen: 49.015 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13

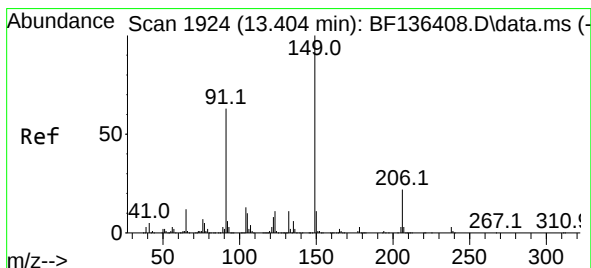
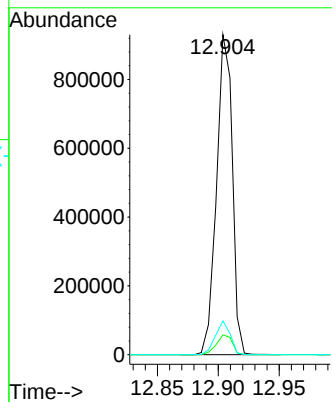
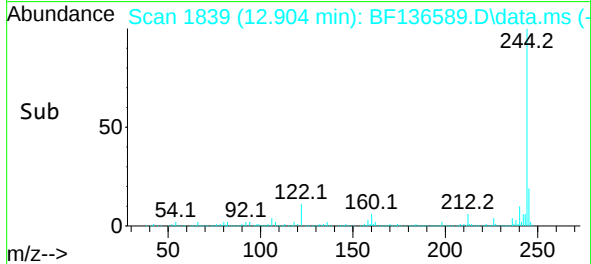
Instrument :
 BNA_F
 ClientSampleId :
 SH-SOIL-BMSD



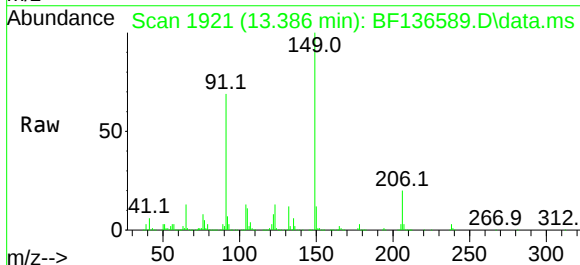
Tgt Ion:244 Resp: 839368
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 10.6 8.3 12.5

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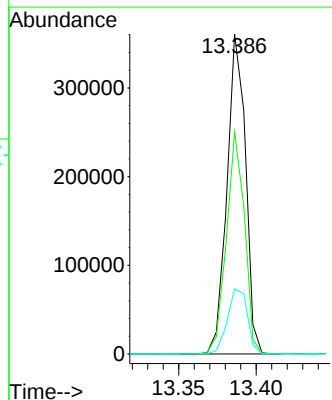
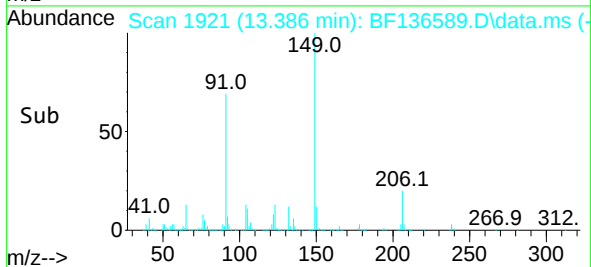
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

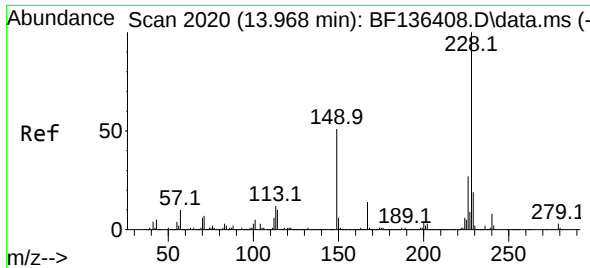


#80
 Butylbenzylphthalate
 Concen: 38.155 ng
 RT: 13.386 min Scan# 1921
 Delta R.T. -0.000 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13



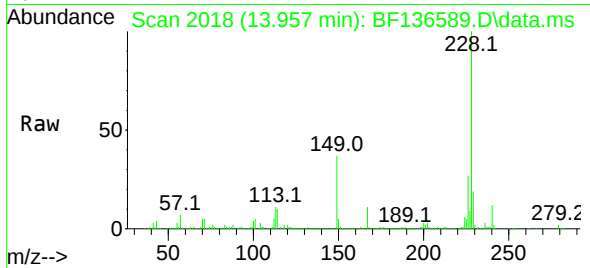
Tgt Ion:149 Resp: 300246
 Ion Ratio Lower Upper
 149 100
 91 69.4 50.5 75.7
 206 20.3 17.4 26.2





#81
Benzo(a)anthracene
Concen: 41.023 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

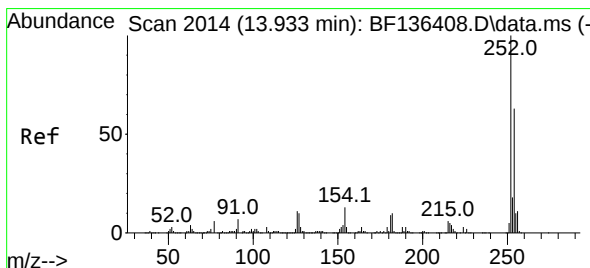
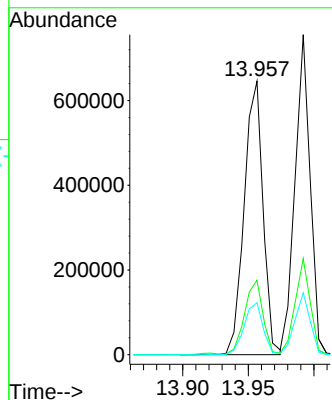
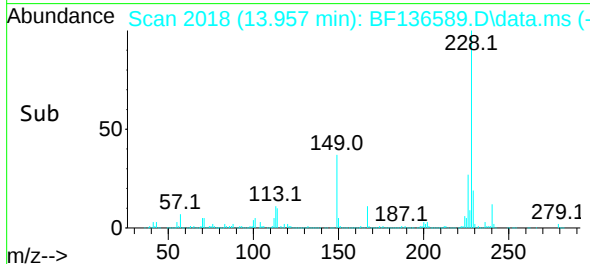
Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD



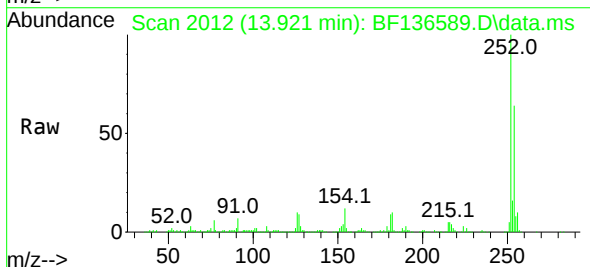
Tgt Ion:228 Resp: 644968
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.0 15.0 22.4

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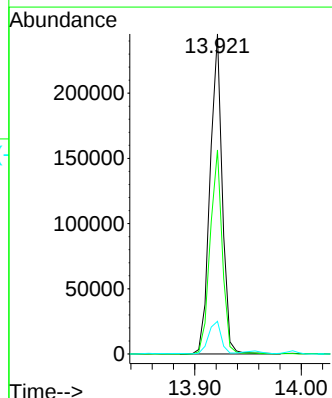
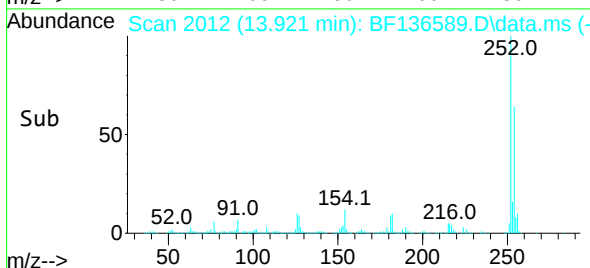
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

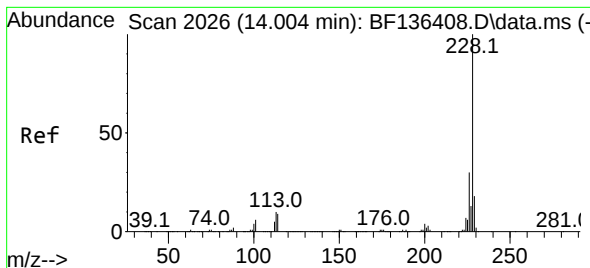


#82
3,3'-Dichlorobenzidine
Concen: 44.328 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13



Tgt Ion:252 Resp: 195408
Ion Ratio Lower Upper
252 100
254 63.8 50.8 76.2
126 10.2 8.6 12.8





#83

Chrysene

Concen: 39.448 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

Tgt Ion:228 Resp: 610200

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

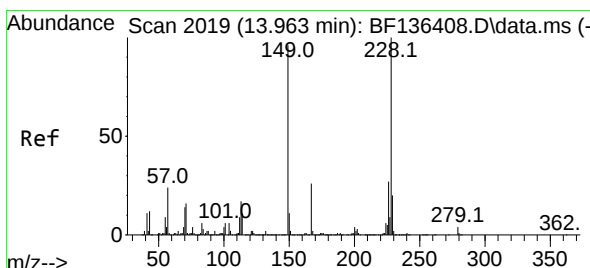
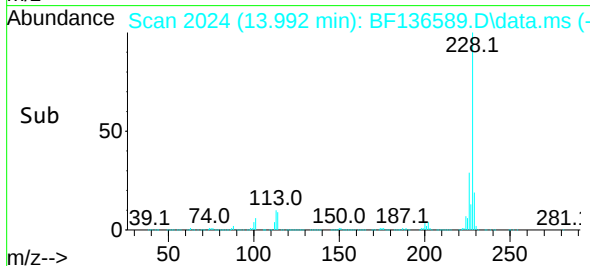
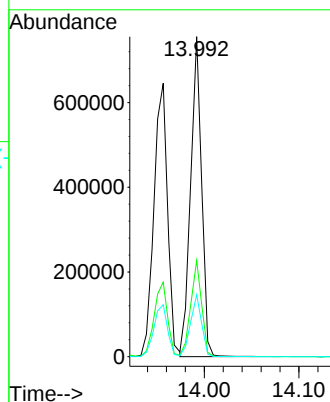
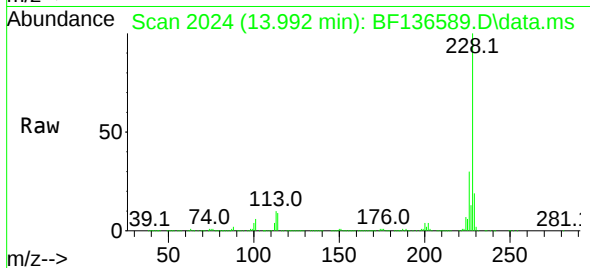
229 19.4 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.379 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

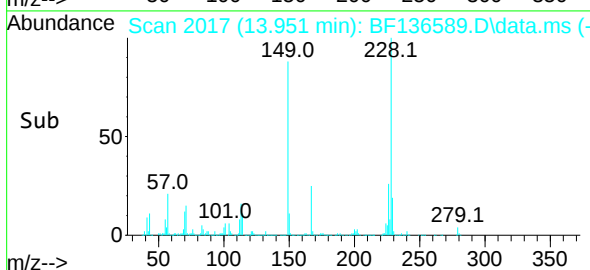
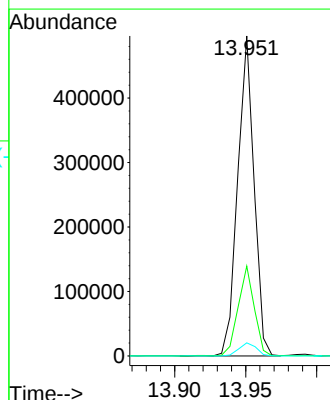
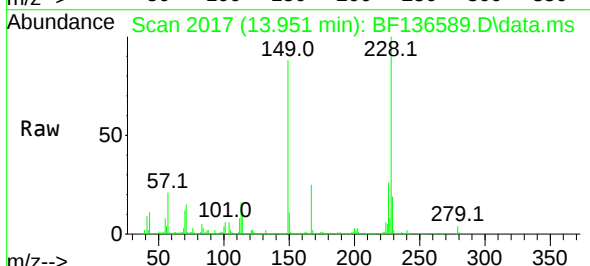
Tgt Ion:149 Resp: 399176

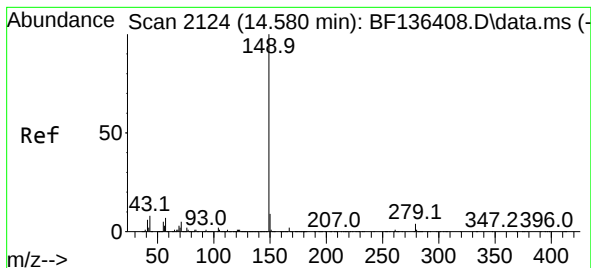
Ion Ratio Lower Upper

149 100

167 28.1 21.2 31.8

279 4.1 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 48.430 ng

RT: 14.568 min Scan# 2122

Delta R.T. -0.000 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

Tgt Ion:149 Resp: 690088

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

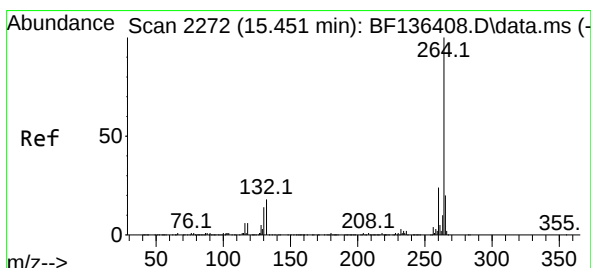
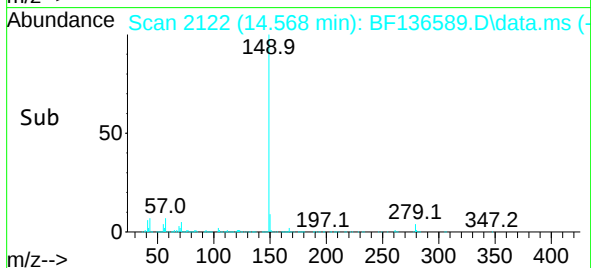
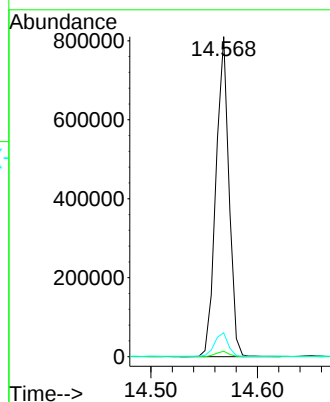
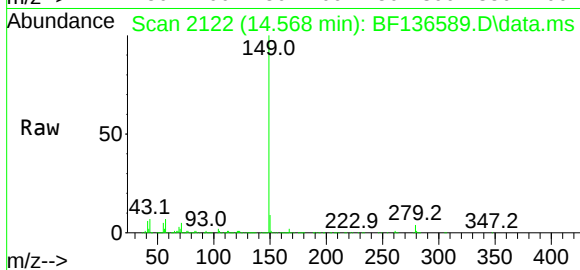
43 7.6 6.8 10.2

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: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF136589.D

Acq: 15 Dec 2023 13:13

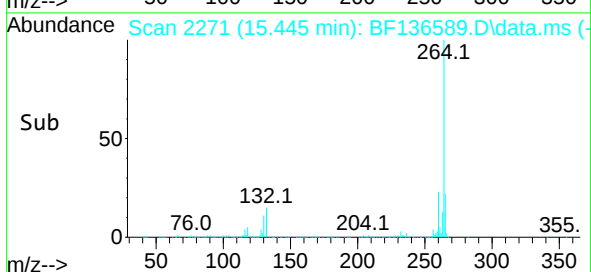
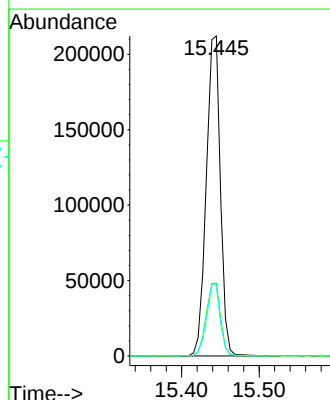
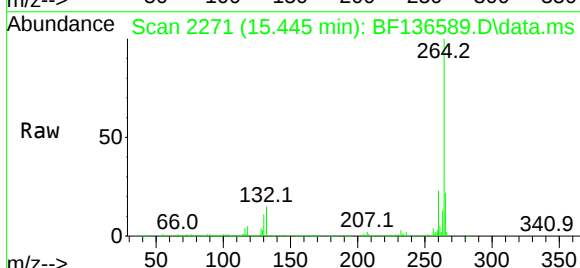
Tgt Ion:264 Resp: 267776

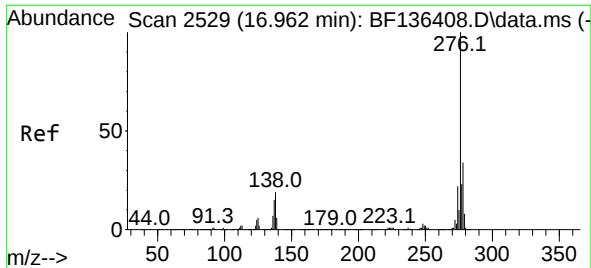
Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.9 15.9 23.9





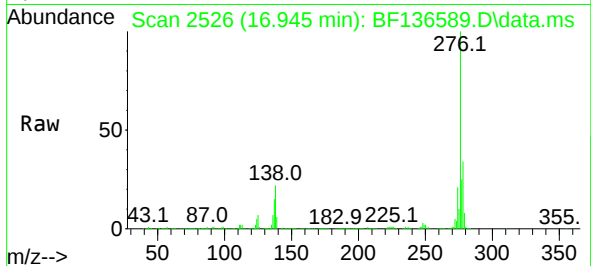
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 36.684 ng
 RT: 16.945 min Scan# 2197
 Delta R.T. -0.000 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13

Instrument :

BNA_F

ClientSampleId :

SH-SOIL-BMSD

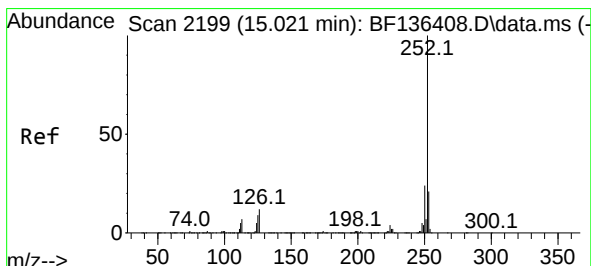
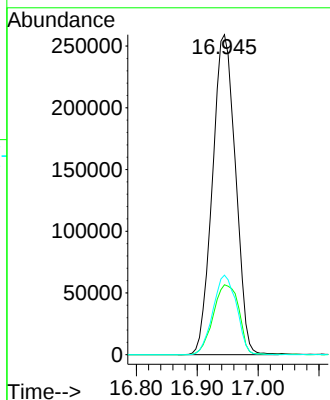
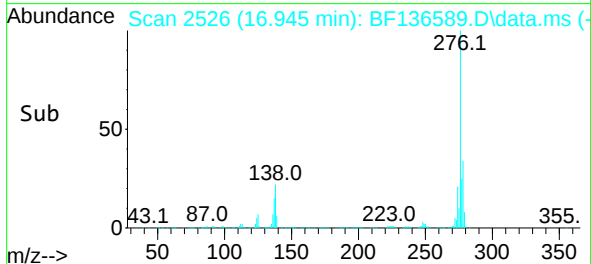


Tgt Ion:276 Resp: 682439
 Ion Ratio Lower Upper
 276 100
 138 24.4 19.0 28.4
 277 25.5 20.0 30.0

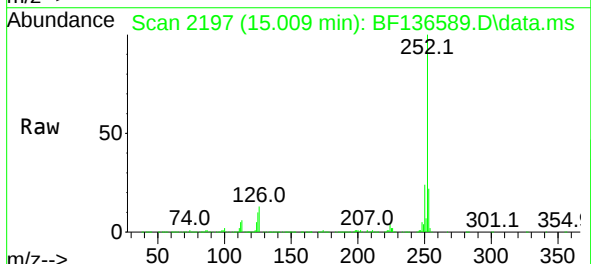
Manual Integrations

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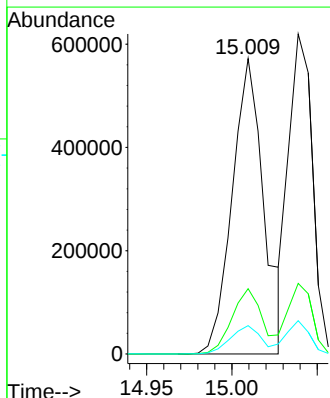
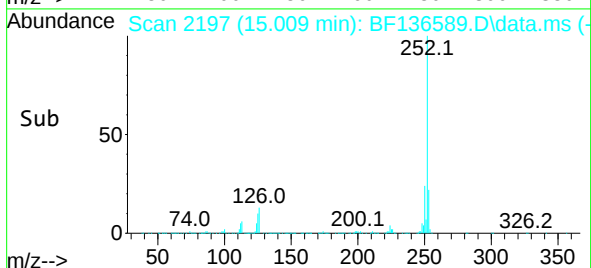
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

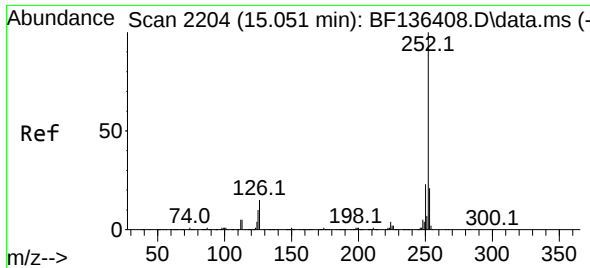


#88
 Benzo(b)fluoranthene
 Concen: 40.406 ng
 RT: 15.009 min Scan# 2197
 Delta R.T. -0.000 min
 Lab File: BF136589.D
 Acq: 15 Dec 2023 13:13



Tgt Ion:252 Resp: 739781
 Ion Ratio Lower Upper
 252 100
 253 22.1 16.9 25.3
 125 9.6 7.4 11.2





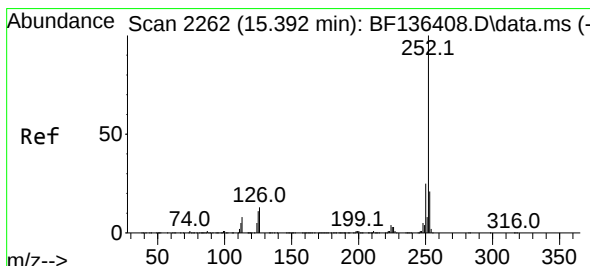
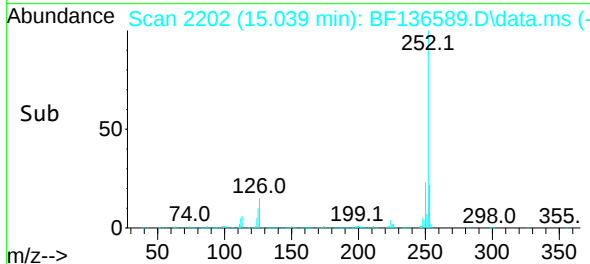
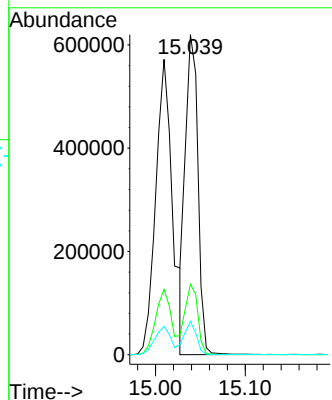
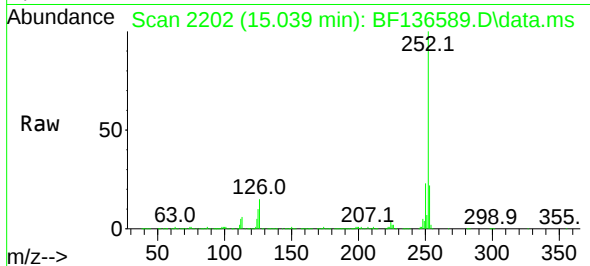
#89
Benzo(k)fluoranthene
Concen: 35.035 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD

Tgt Ion:252 Resp: 604504
Ion Ratio Lower Upper
252 100
253 22.1 16.9 25.3
125 10.4 7.5 11.3

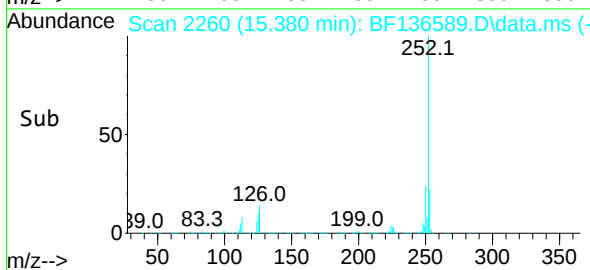
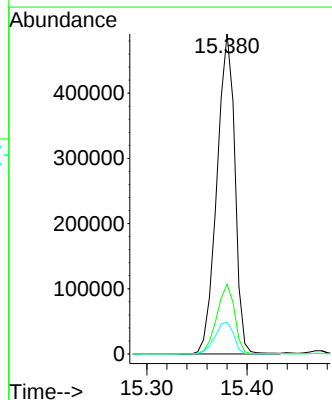
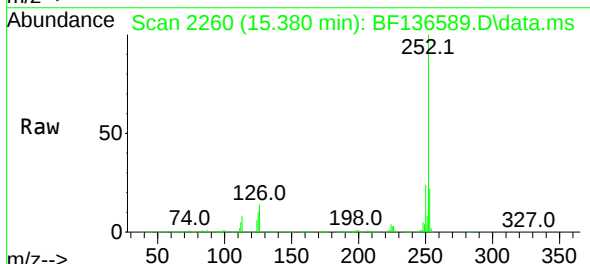
Manual Integrations
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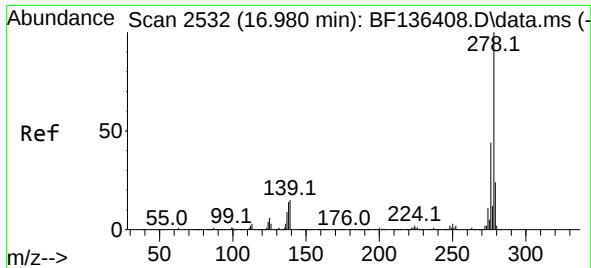
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#90
Benzo(a)pyrene
Concen: 40.395 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion:252 Resp: 610769
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.4
125 9.9 8.6 13.0





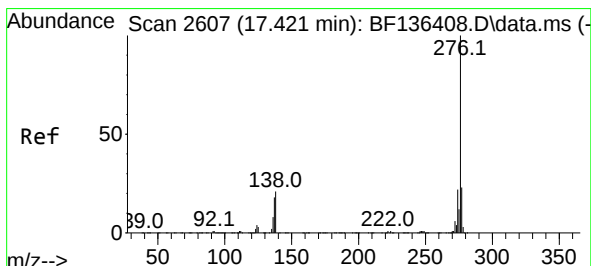
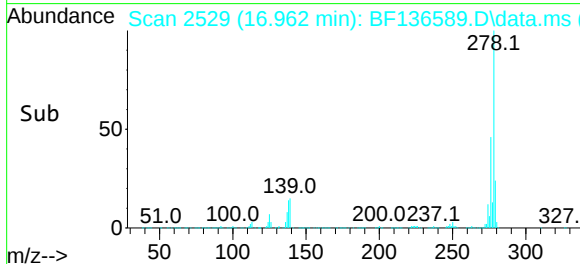
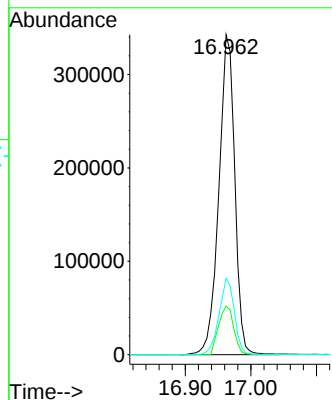
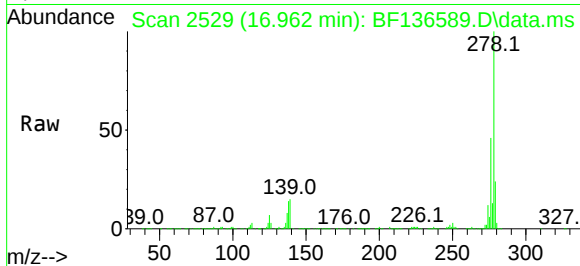
#91
Dibenzo(a,h)anthracene
Concen: 37.793 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.000 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Instrument :
BNA_F
ClientSampleId :
SH-SOIL-BMSD

Tgt Ion:278 Resp: 575980
Ion Ratio Lower Upper
278 100
139 15.2 12.2 18.4
279 23.9 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: 32.435 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.006 min
Lab File: BF136589.D
Acq: 15 Dec 2023 13:13

Tgt Ion:276 Resp: 507369
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 21.2 16.6 25.0

