

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141002.D
 Acq On : 27 Dec 2024 17:46
 Operator : RC/JU
 Sample : P5362-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MS

Quant Time: Dec 27 22:19:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	257040	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1034308	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	555359	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	906851	20.000	ng	0.00
76) Chrysene-d12	13.980	240	514884	20.000	ng	0.00
86) Perylene-d12	15.433	264	567943	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1811423	106.229	ng	0.00
7) Phenol-d6	6.445	99	2354853	107.201	ng	0.00
23) Nitrobenzene-d5	7.387	82	1438878	89.003	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	665764	123.371	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2503857	71.832	ng	0.00
79) Terphenyl-d14	12.927	244	2302390	74.274	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	371155	48.077	ng	98
3) Pyridine	3.381	79	941425	49.899	ng	100
4) n-Nitrosodimethylamine	3.334	42	481862	50.408	ng	99
6) Aniline	6.487	93	630635	32.190	ng	99
8) 2-Chlorophenol	6.604	128	935177	52.017	ng	99
9) Benzaldehyde	6.369	77	204935	13.627	ng	99
10) Phenol	6.463	94	1193269	52.534	ng	100
11) bis(2-Chloroethyl)ether	6.563	93	872337	47.564	ng	99
12) 1,3-Dichlorobenzene	6.763	146	943945	47.576	ng	100
13) 1,4-Dichlorobenzene	6.845	146	953618	47.678	ng	99
14) 1,2-Dichlorobenzene	6.992	146	918543	49.255	ng	99
15) Benzyl Alcohol	6.963	79	828383	52.478	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	1410717	50.862	ng	100
17) 2-Methylphenol	7.075	107	768676	51.465	ng	100
18) Hexachloroethane	7.339	117	350927	49.390	ng	99
19) n-Nitroso-di-n-propyla...	7.239	70	664662	49.389	ng	99
20) 3+4-Methylphenols	7.228	107	936328	49.539	ng	# 87
22) Acetophenone	7.234	105	1226655	48.345	ng	97
24) Nitrobenzene	7.404	77	979323	54.213	ng	98
25) Isophorone	7.645	82	1787574	50.813	ng	99
26) 2-Nitrophenol	7.722	139	459427	60.506	ng	99
27) 2,4-Dimethylphenol	7.757	122	767514	59.696	ng	99
28) bis(2-Chloroethoxy)met...	7.857	93	1087294	48.781	ng	99
29) 2,4-Dichlorophenol	7.957	162	755558	51.815	ng	99
30) 1,2,4-Trichlorobenzene	8.045	180	768740	46.578	ng	100
31) Naphthalene	8.128	128	2618918	48.052	ng	100
32) Benzoic acid	7.869	122	594830	54.902	ng	98
33) 4-Chloroaniline	8.175	127	193209	9.799	ng	98
34) Hexachlorobutadiene	8.245	225	458440	47.117	ng	99
35) Caprolactam	8.545	113	248670m	50.164	ng	
36) 4-Chloro-3-methylphenol	8.651	107	828506	51.162	ng	99
37) 2-Methylnaphthalene	8.816	142	1719462	49.315	ng	99
38) 1-Methylnaphthalene	8.916	142	1616880	47.186	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	746657	48.870	ng	98
41) Hexachlorocyclopentadiene	8.975	237	670120	132.352	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	545921	53.686	ng	100

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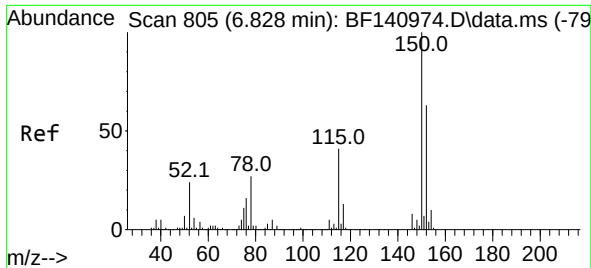
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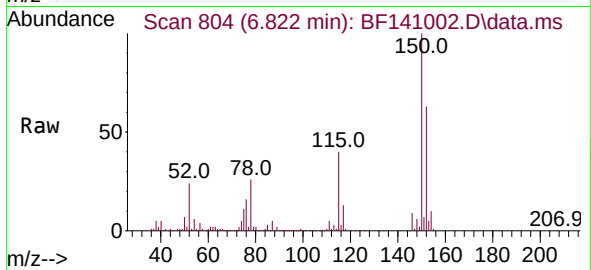
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	543015	52.190	ng	99
46) 1,1'-Biphenyl	9.281	154	2087547	49.092	ng	99
47) 2-Chloronaphthalene	9.304	162	1574404	47.738	ng	99
48) 2-Nitroaniline	9.398	65	508552	57.885	ng	96
49) Acenaphthylene	9.722	152	2462591	51.870	ng	99
50) Dimethylphthalate	9.586	163	1870856	51.215	ng	100
51) 2,6-Dinitrotoluene	9.645	165	412808	54.848	ng	96
52) Acenaphthene	9.892	154	1751630	54.574	ng	99
53) 3-Nitroaniline	9.804	138	210623	27.494	ng	# 95
54) 2,4-Dinitrophenol	9.916	184	315098	96.798	ng	# 1
55) Dibenzofuran	10.069	168	2260200	50.108	ng	99
56) 4-Nitrophenol	9.963	139	663441	106.173	ng	99
57) 2,4-Dinitrotoluene	10.045	165	549386	59.115	ng	97
58) Fluorene	10.410	166	1685123	48.177	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	472796	54.868	ng	99
60) Diethylphthalate	10.286	149	1813920	50.298	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	817145	48.552	ng	97
62) 4-Nitroaniline	10.422	138	379238	46.936	ng	94
63) Azobenzene	10.563	77	2097895	55.422	ng	95
65) 4,6-Dinitro-2-methylph...	10.451	198	224925	59.442	ng	96
66) n-Nitrosodiphenylamine	10.522	169	1533418	53.698	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	536086	54.685	ng	97
68) Hexachlorobenzene	10.951	284	573318	53.038	ng	98
69) Atrazine	11.045	200	511372	64.099	ng	99
70) Pentachlorophenol	11.145	266	684732	101.741	ng	99
71) Phenanthrene	11.369	178	2476825	51.894	ng	99
72) Anthracene	11.422	178	2517077	53.821	ng	100
73) Carbazole	11.575	167	2079994	46.264	ng	100
74) Di-n-butylphthalate	11.910	149	2631937	51.469	ng	100
75) Fluoranthene	12.557	202	2282428	44.093	ng	99
77) Benzidine	12.674	184	265929	24.438	ng	99
78) Pyrene	12.786	202	2340656	51.979	ng	100
80) Butylbenzylphthalate	13.410	149	867445	52.754	ng	99
81) Benzo(a)anthracene	13.968	228	1727713	48.147	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	348638	32.337	ng	99
83) Chrysene	14.010	228	1689925	52.241	ng	100
84) Bis(2-ethylhexyl)phtha...	13.968	149	1103487	51.736	ng	100
85) Di-n-octyl phthalate	14.586	149	1866207	60.453	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	1824299	50.984	ng	99
88) Benzo(b)fluoranthene	15.015	252	1812141	45.749	ng	99
89) Benzo(k)fluoranthene	15.045	252	1791117m	57.693	ng	
90) Benzo(a)pyrene	15.374	252	1766988	57.473	ng	98
91) Dibenzo(a,h)anthracene	16.904	278	1430468	49.318	ng	100
92) Benzo(g,h,i)perylene	17.321	276	1332683	44.299	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

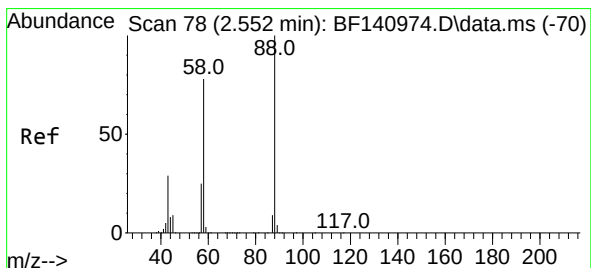
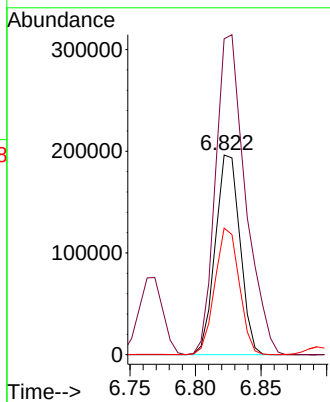
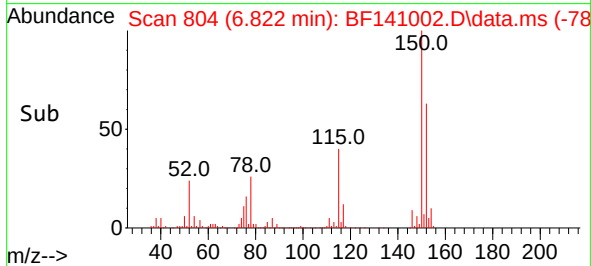
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:152 Resp: 257040
Ion Ratio Lower Upper
152 100
150 158.1 127.0 190.6
115 63.4 51.7 77.5

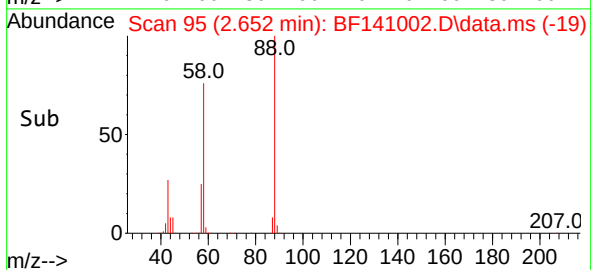
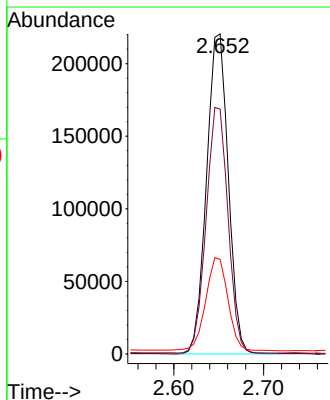
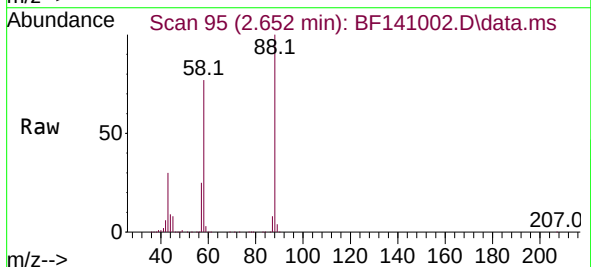
Manual Integrations
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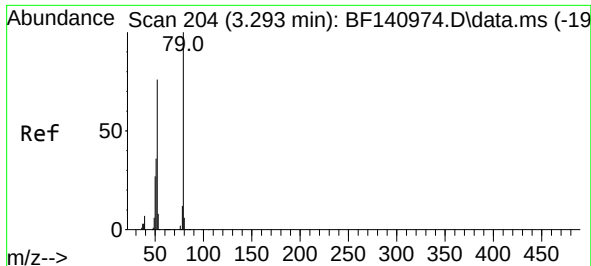
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#2
1,4-Dioxane
Concen: 48.077 ng
RT: 2.652 min Scan# 95
Delta R.T. 0.100 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 88 Resp: 371155
Ion Ratio Lower Upper
88 100
58 77.0 63.0 94.4
43 29.9 23.4 35.2





#3

Pyridine

Concen: 49.899 ng

RT: 3.381 min Scan# 211

Delta R.T. 0.088 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

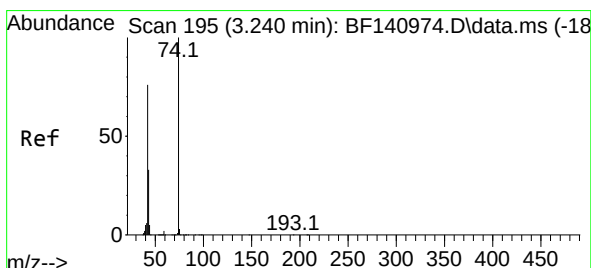
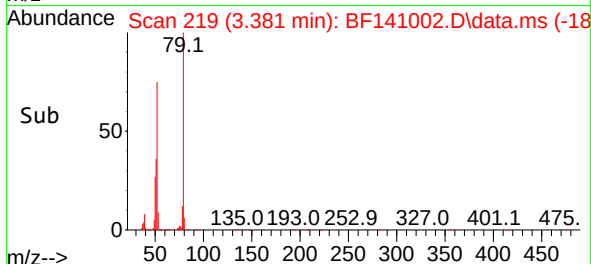
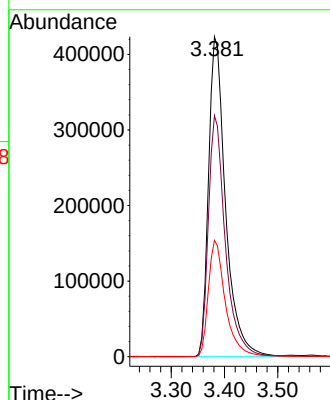
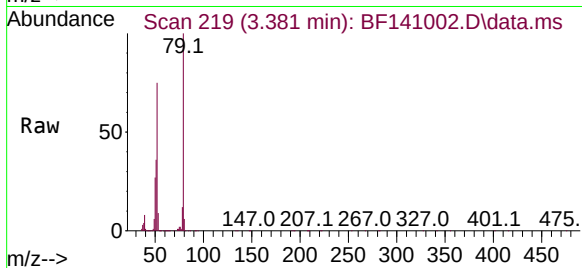
ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion: 79 Resp: 941425
 Ion Ratio Lower Upper
 79 100
 52 75.3 60.4 90.6
 51 36.4 28.8 43.2

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#4

n-Nitrosodimethylamine

Concen: 50.408 ng

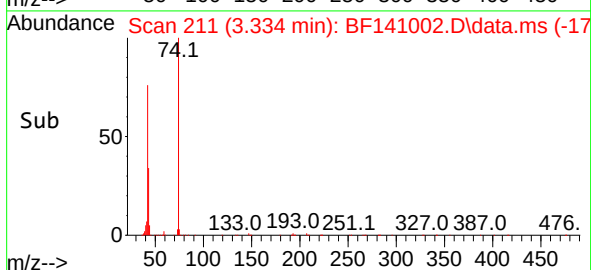
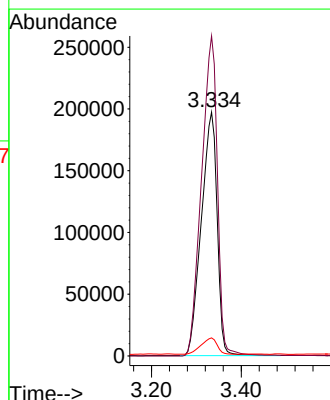
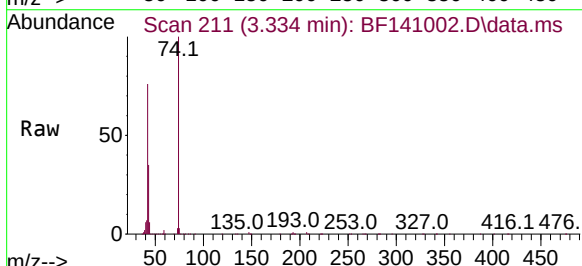
RT: 3.334 min Scan# 211

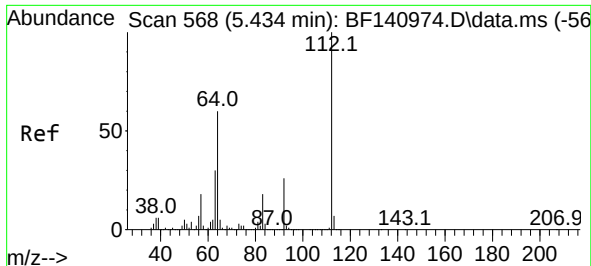
Delta R.T. 0.094 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Tgt Ion: 42 Resp: 481862
 Ion Ratio Lower Upper
 42 100
 74 131.2 105.8 158.6
 44 7.4 6.6 10.0





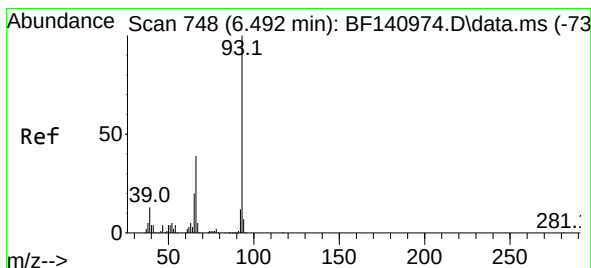
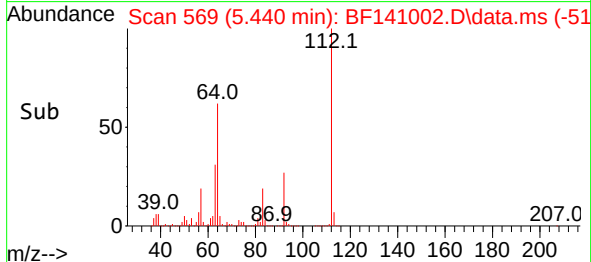
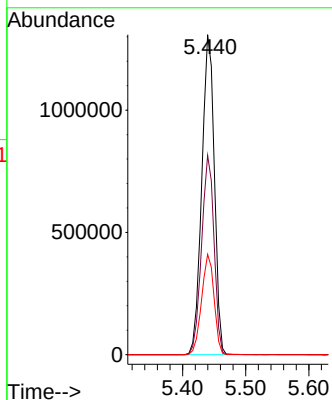
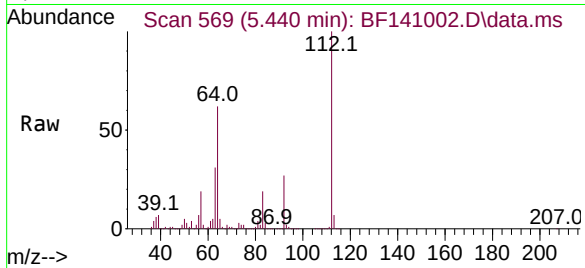
#5
2-Fluorophenol
Concen: 106.229 ng
RT: 5.440 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:112 Resp: 181142
Ion Ratio Lower Upper
112 100
64 62.3 47.7 71.5
63 31.3 24.2 36.2

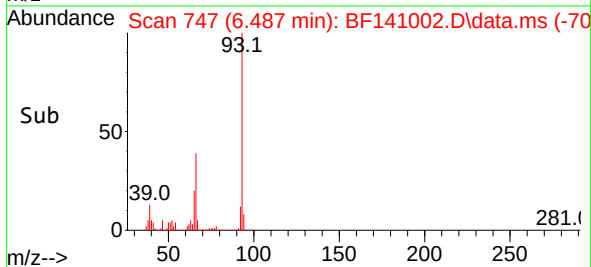
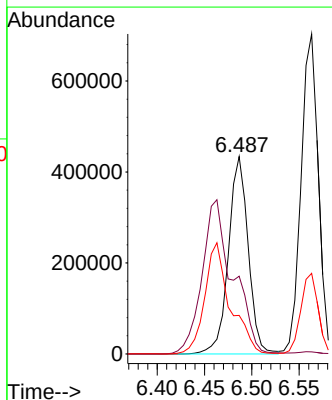
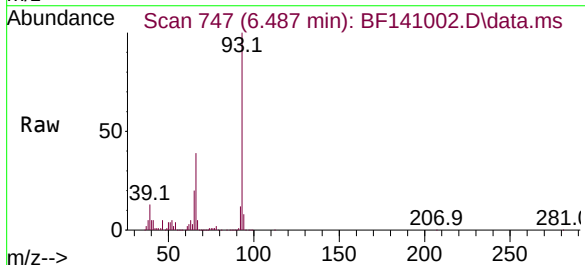
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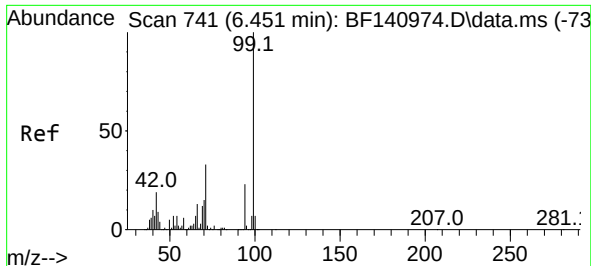
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#6
Aniline
Concen: 32.190 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

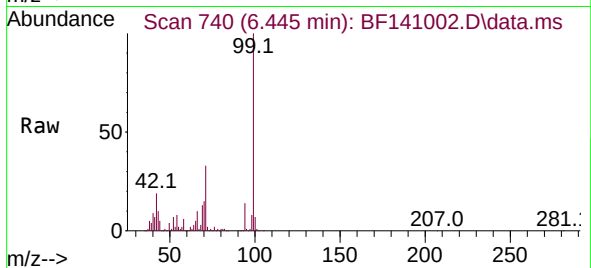
Tgt Ion: 93 Resp: 630635
Ion Ratio Lower Upper
93 100
66 39.4 31.8 47.8
65 19.6 15.4 23.0





#7
Phenol-d6
Concen: 107.201 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

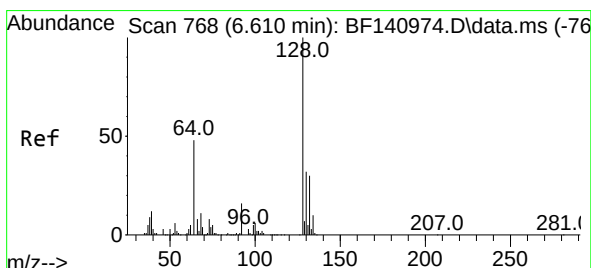
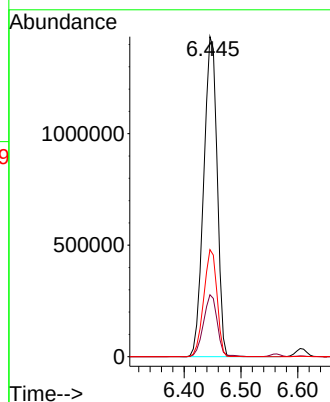
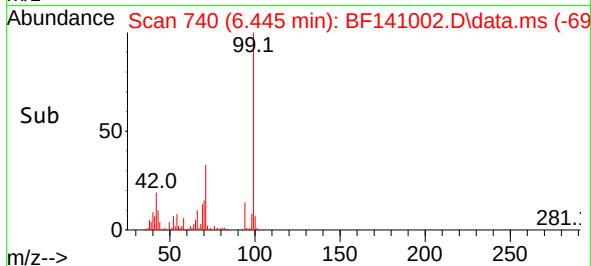
Instrument :
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ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion: 99 Resp: 235485
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 33.4 26.2 39.2

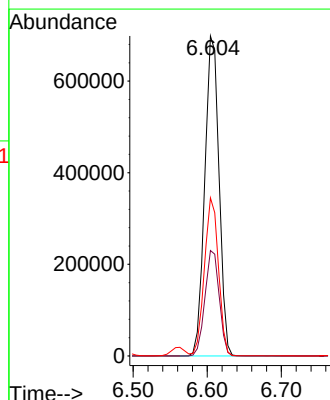
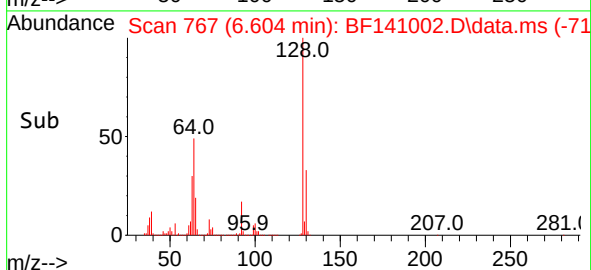
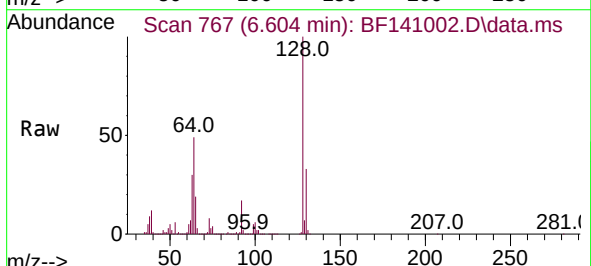
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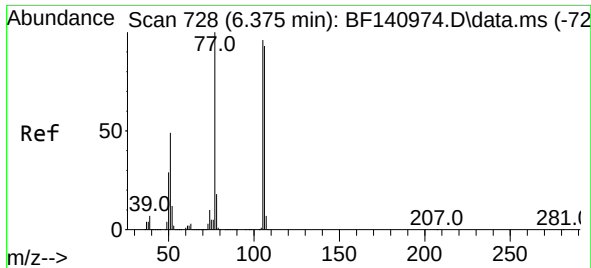
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#8
2-Chlorophenol
Concen: 52.017 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

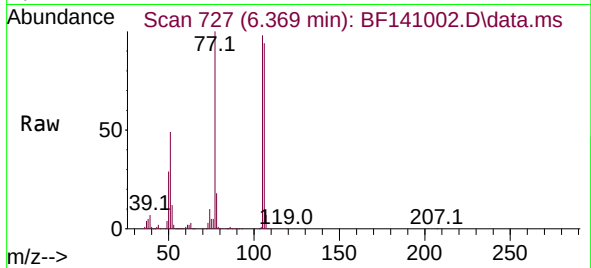
Tgt Ion:128 Resp: 935177
Ion Ratio Lower Upper
128 100
130 32.9 12.2 52.2
64 49.4 30.3 70.3





#9
Benzaldehyde
Concen: 13.627 ng
RT: 6.369 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

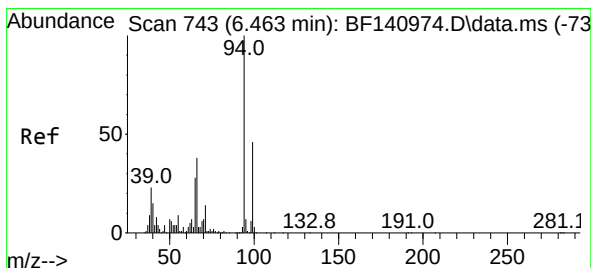
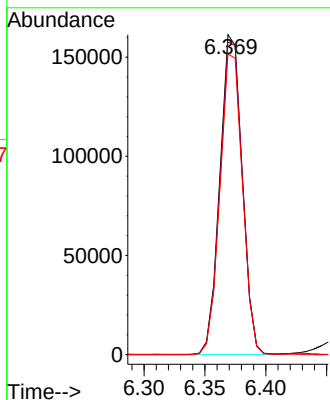
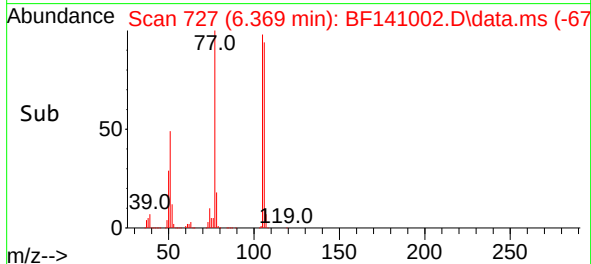
Instrument :
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Tgt Ion: 77 Resp: 204935
Ion Ratio Lower Upper
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105 97.7 76.2 116.2
106 93.9 73.4 113.4

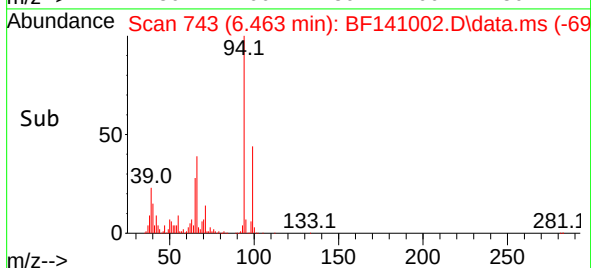
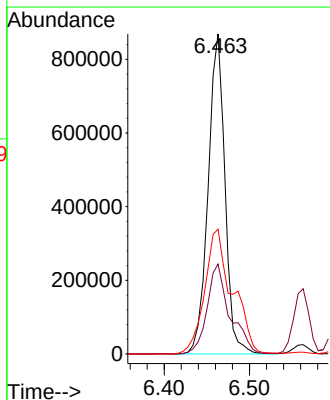
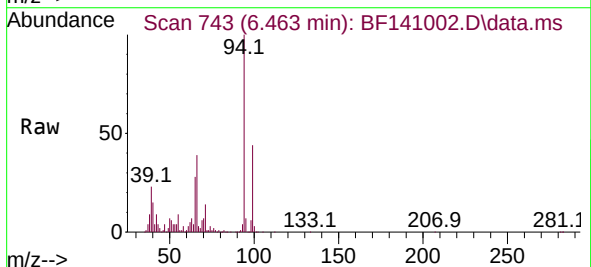
Manual Integrations
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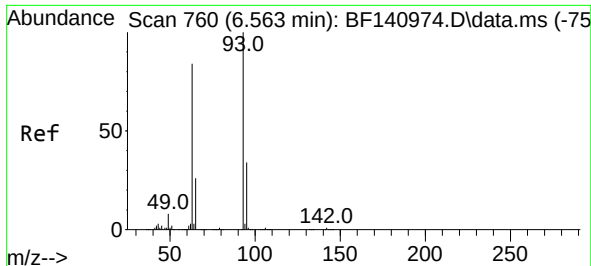
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#10
Phenol
Concen: 52.534 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

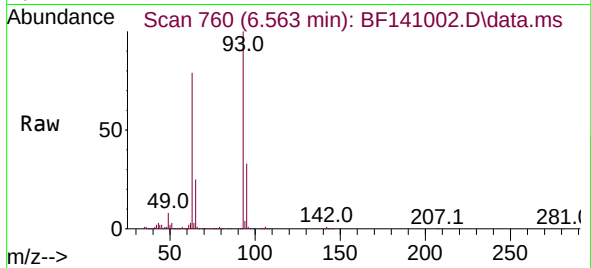
Tgt Ion: 94 Resp: 1193269
Ion Ratio Lower Upper
94 100
65 28.1 8.1 48.1
66 39.0 18.7 58.7





#11
bis(2-Chloroethyl)ether
Concen: 47.564 ng
RT: 6.563 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

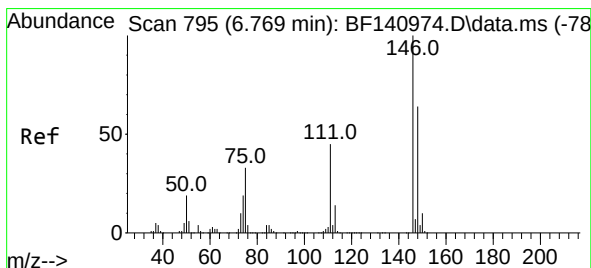
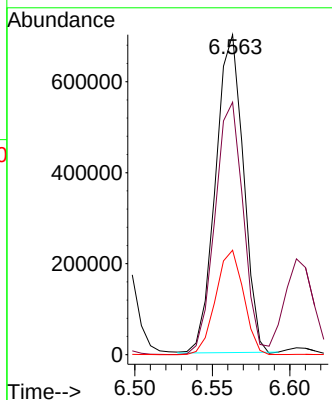
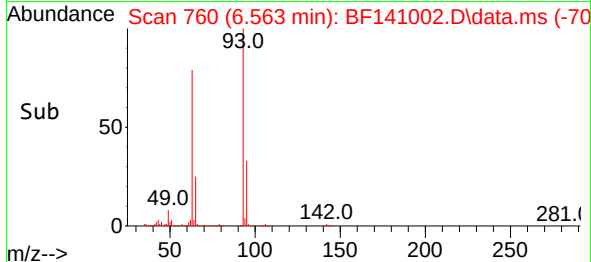
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion: 93 Resp: 87233
Ion Ratio Lower Upper
93 100
63 78.9 60.3 100.3
95 32.6 12.2 52.2

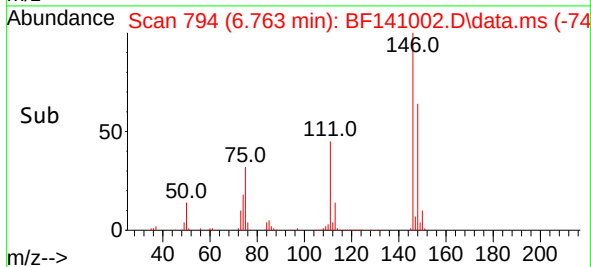
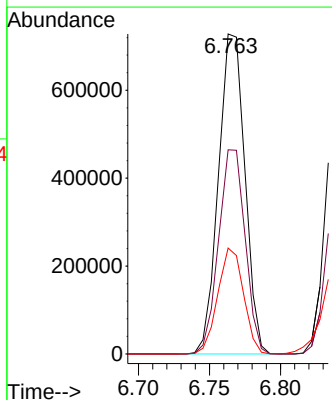
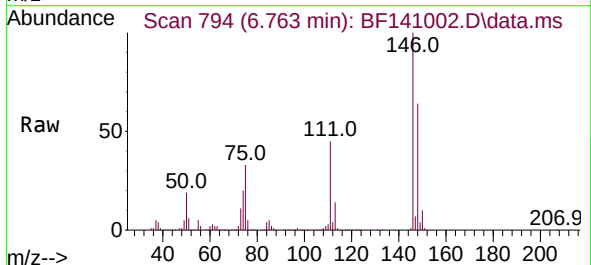
Manual Integrations
APPROVED

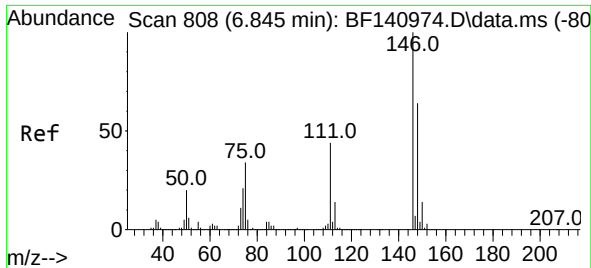
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#12
1,3-Dichlorobenzene
Concen: 47.576 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:146 Resp: 943945
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.4
75 33.1 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 47.678 ng

RT: 6.845 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:146 Resp: 953618

Ion Ratio Lower Upper

146 100

148 64.9 51.3 76.9

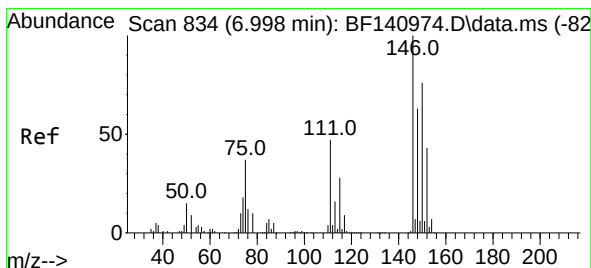
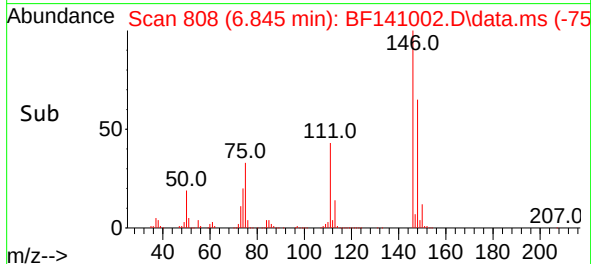
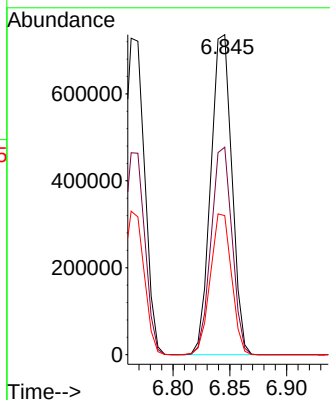
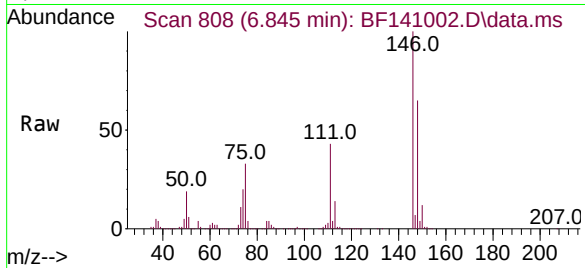
111 43.4 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#14

1,2-Dichlorobenzene

Concen: 49.255 ng

RT: 6.992 min Scan# 833

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

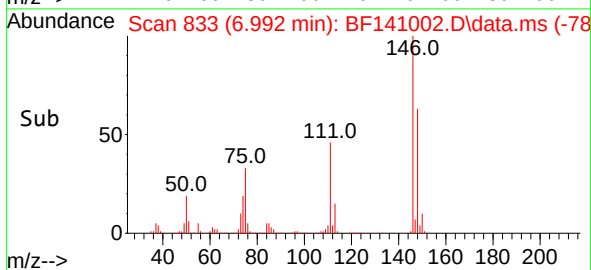
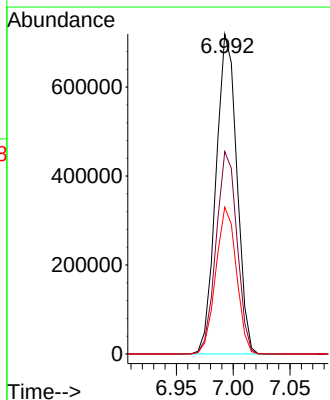
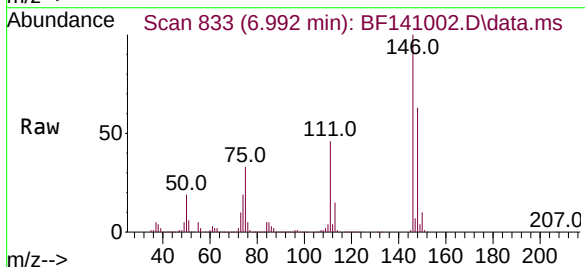
Tgt Ion:146 Resp: 918543

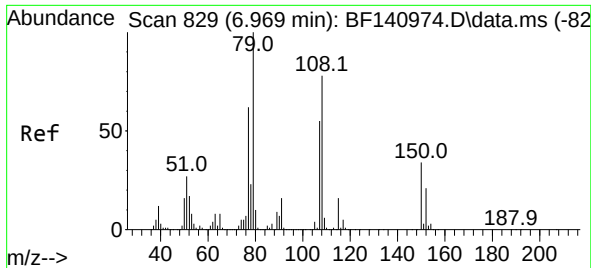
Ion Ratio Lower Upper

146 100

148 63.3 50.6 76.0

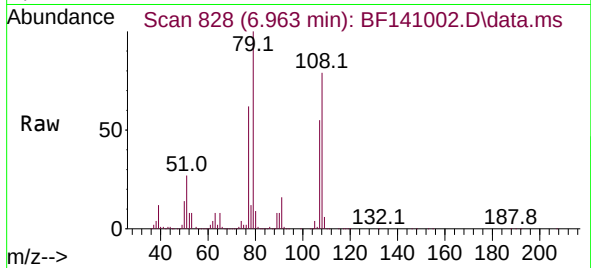
111 45.8 37.3 55.9





#15
Benzyl Alcohol
Concen: 52.478 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

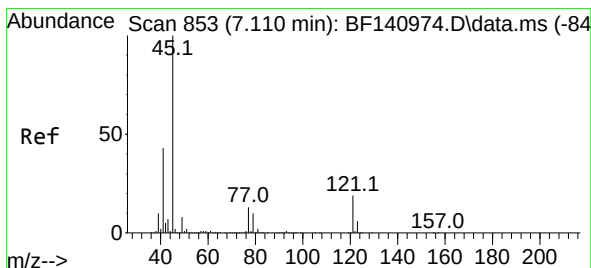
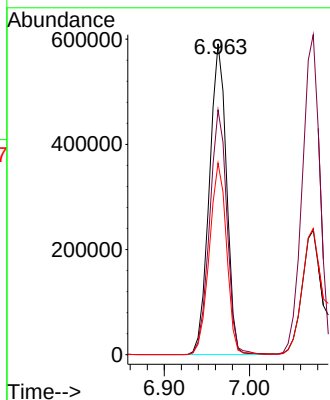
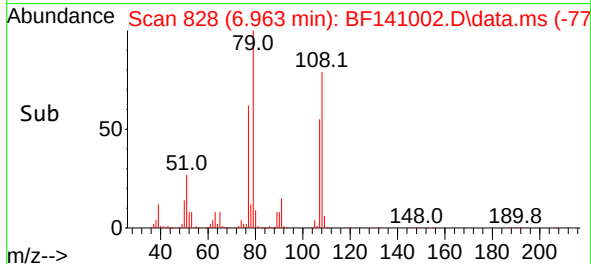
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



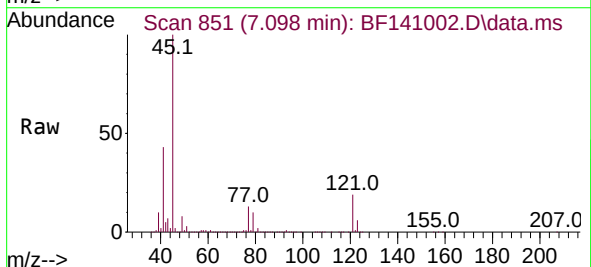
Tgt Ion: 79 Resp: 82838
Ion Ratio Lower Upper
79 100
108 78.7 62.5 93.7
77 61.7 49.3 73.9

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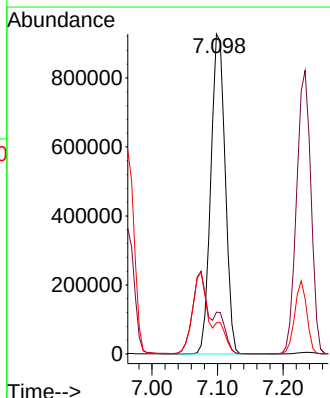
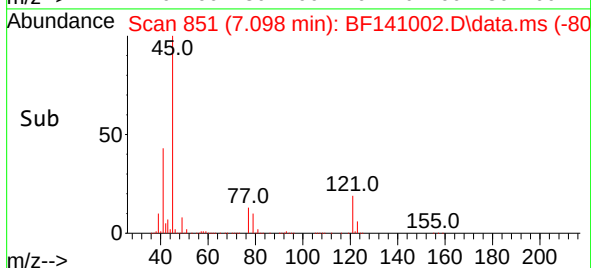
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

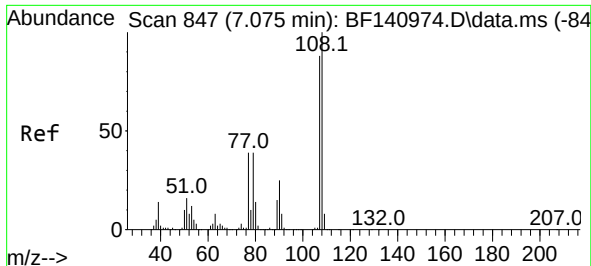


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.862 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46



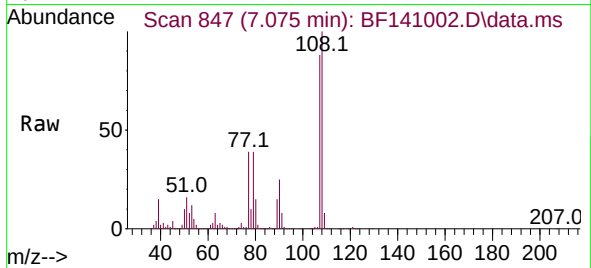
Tgt Ion: 45 Resp: 1410717
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.1
79 9.8 0.0 30.1





#17
2-Methylphenol
Concen: 51.465 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

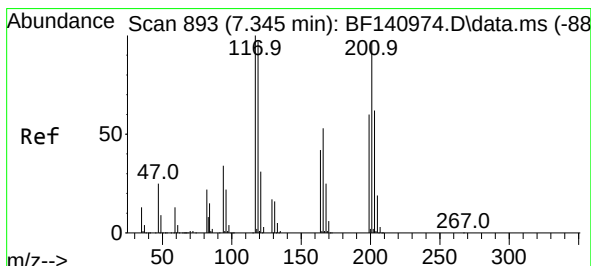
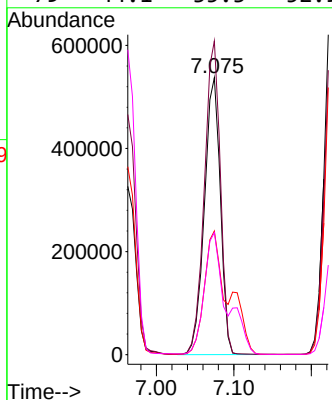
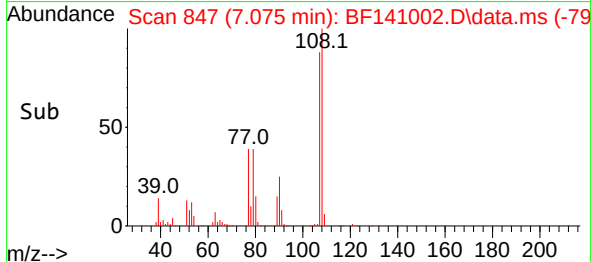
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:107 Resp: 768670
Ion Ratio Lower Upper
107 100
108 113.3 90.6 136.0
77 44.7 35.3 52.9
79 44.1 35.3 52.9

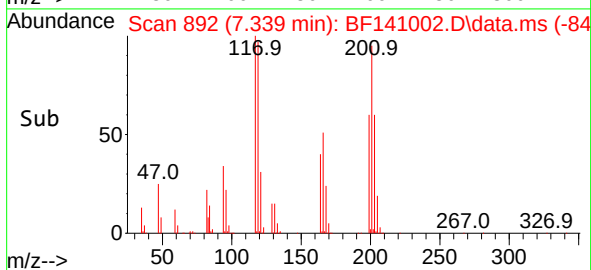
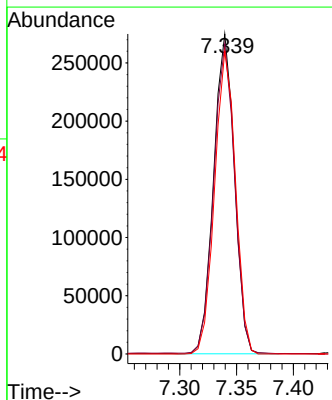
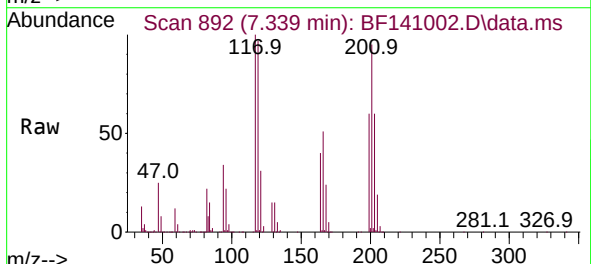
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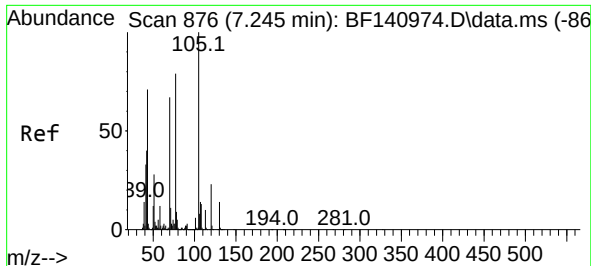
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#18
Hexachloroethane
Concen: 49.390 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:117 Resp: 350927
Ion Ratio Lower Upper
117 100
119 96.9 77.5 116.3
201 94.6 77.4 116.2





#19

n-Nitroso-di-n-propylamine

Concen: 49.389 ng

RT: 7.239 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141002.D

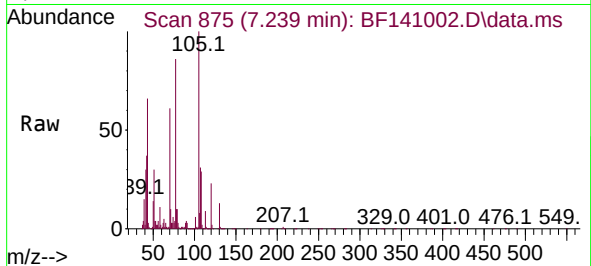
Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS



Tgt Ion: 70 Resp: 664662

Ion Ratio Lower Upper

70 100

42 60.5 48.1 72.1

101 9.7 7.6 11.4

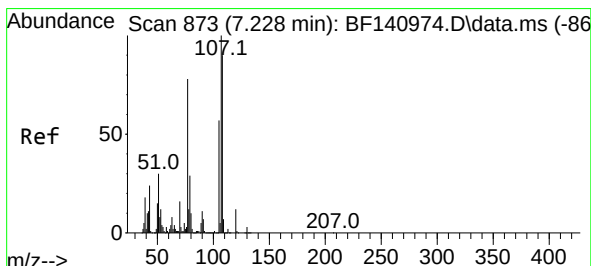
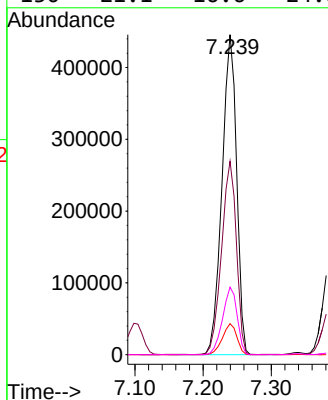
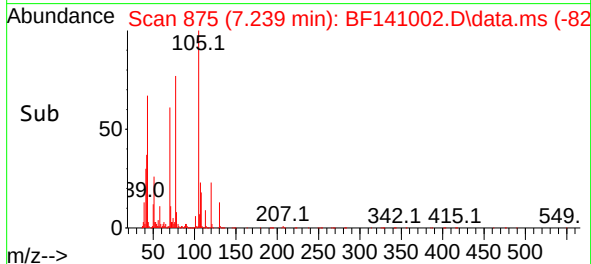
130 21.1 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#20

3+4-Methylphenols

Concen: 49.539 ng

RT: 7.228 min Scan# 873

Delta R.T. -0.000 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Tgt Ion:107 Resp: 936328

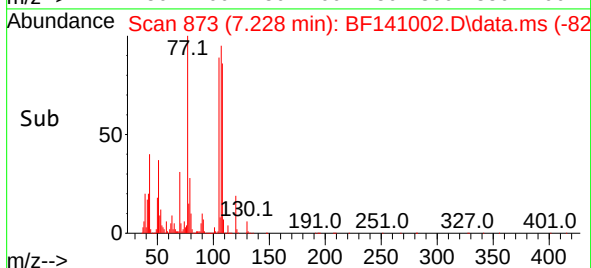
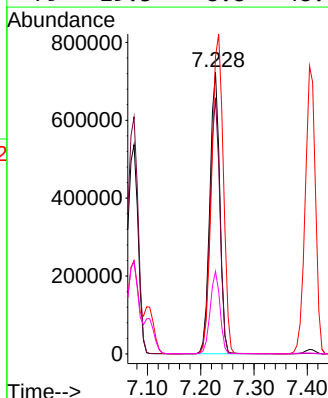
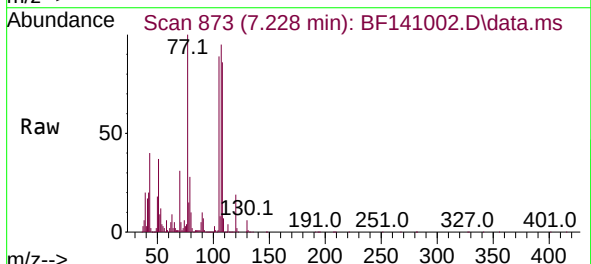
Ion Ratio Lower Upper

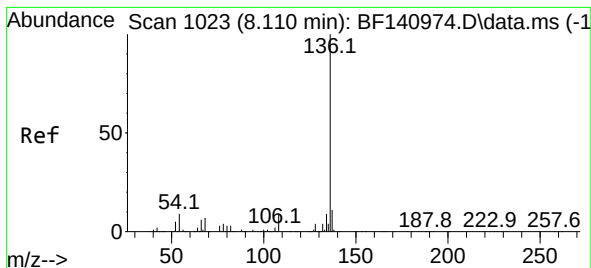
107 100

108 90.9 69.6 109.6

77 105.4 57.6 97.6#

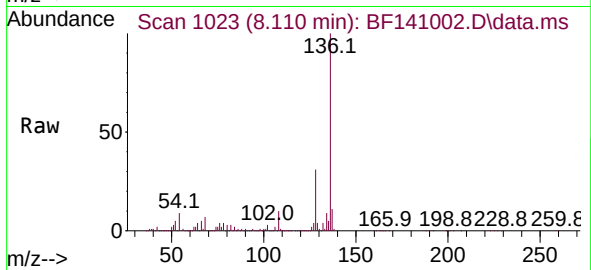
79 29.3 8.8 48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

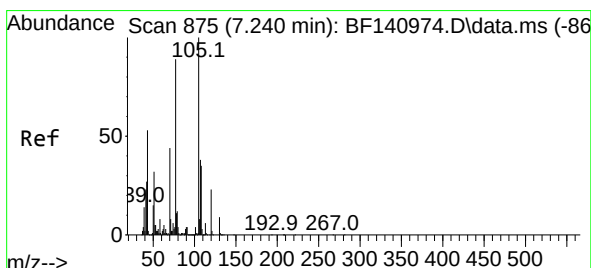
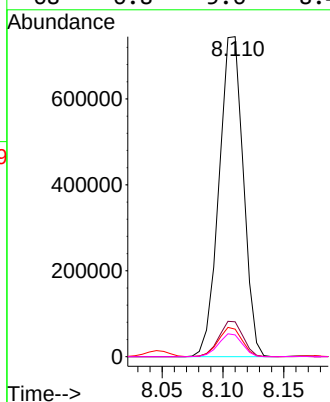
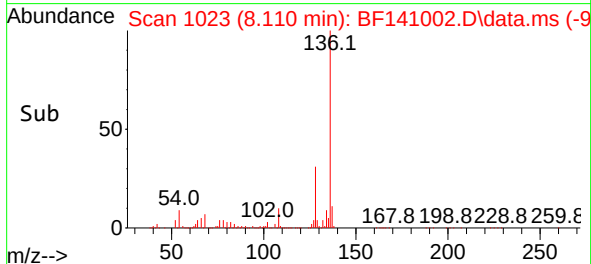


Tgt Ion:136 Resp: 1034308

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.6	7.6	11.4
68	6.8	5.6	8.4

Manual Integrations
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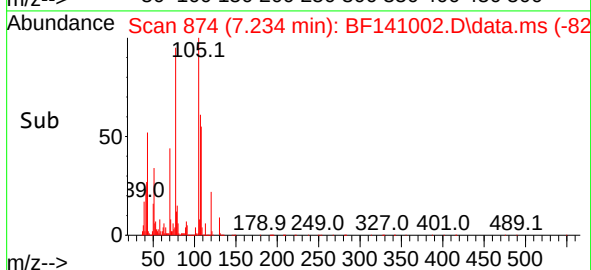
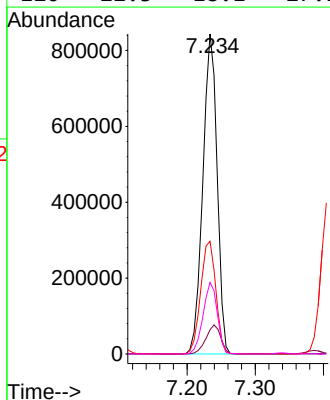
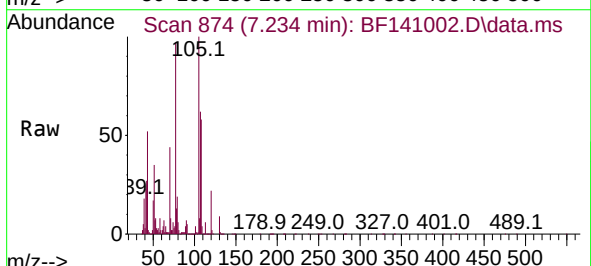
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

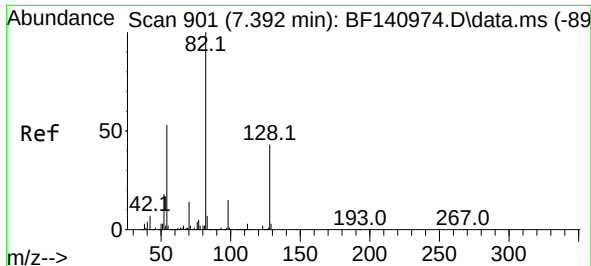


#22
Acetophenone
Concen: 48.345 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:105 Resp: 1226655

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.1	9.1
51	35.2	25.8	38.6
120	22.3	18.1	27.1





#23

Nitrobenzene-d5

Concen: 89.003 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion: 82 Resp: 1438878

Ion Ratio Lower Upper

82 100

128 44.4 34.4 51.6

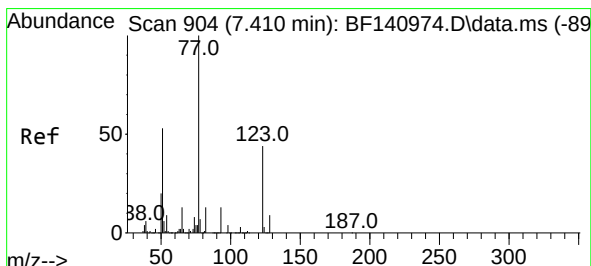
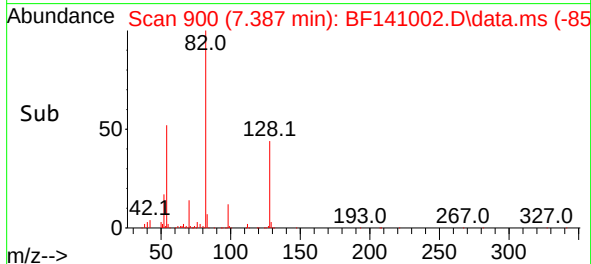
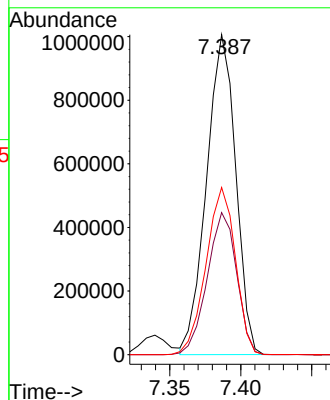
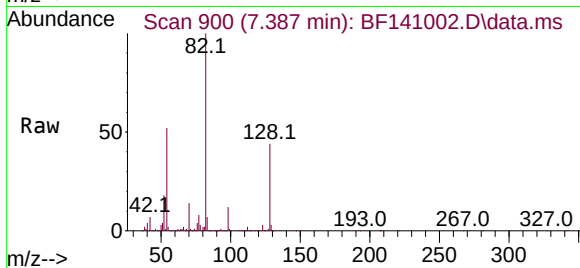
54 52.2 42.4 63.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#24

Nitrobenzene

Concen: 54.213 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

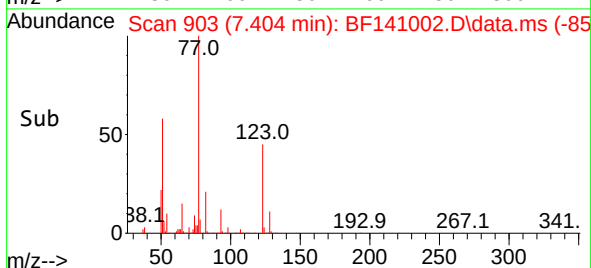
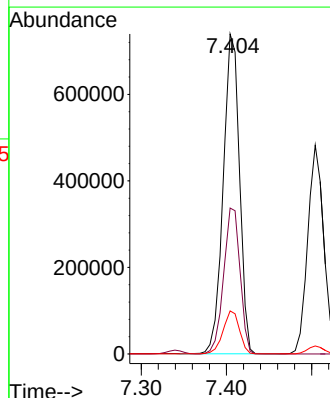
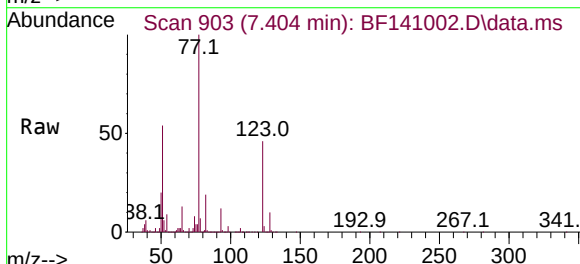
Tgt Ion: 77 Resp: 979323

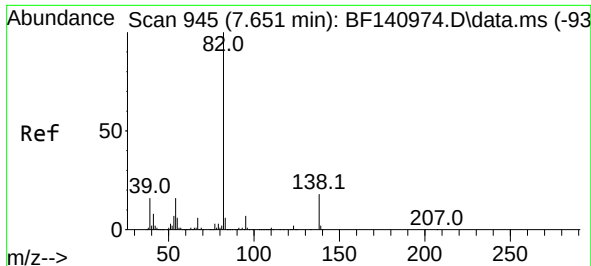
Ion Ratio Lower Upper

77 100

123 45.6 35.4 53.2

65 13.5 10.7 16.1





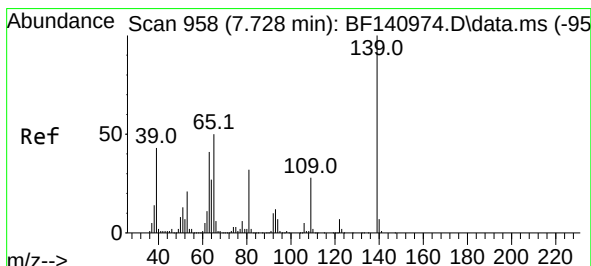
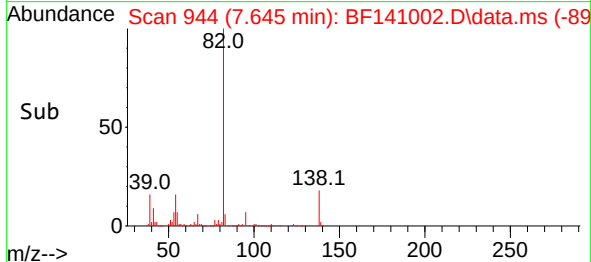
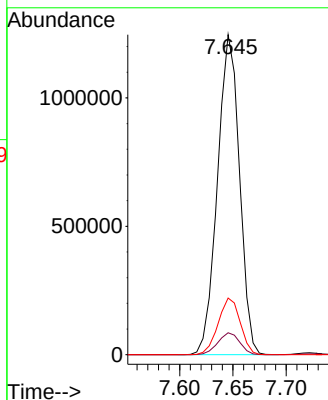
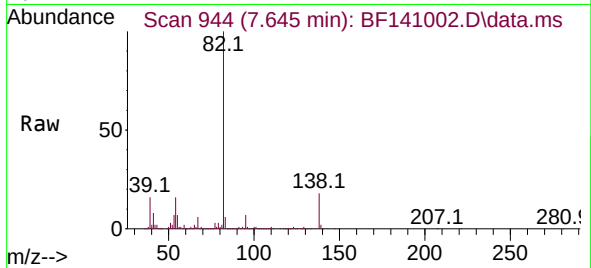
#25
Isophorone
Concen: 50.813 ng
RT: 7.645 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 82 Resp: 1787574
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 17.7 14.6 21.8

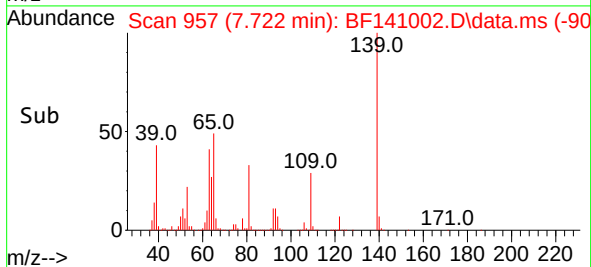
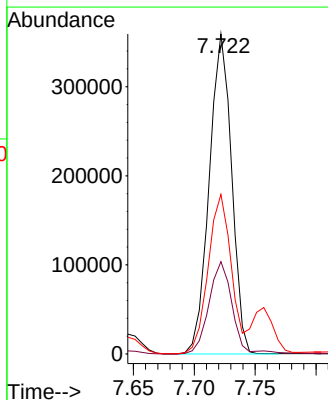
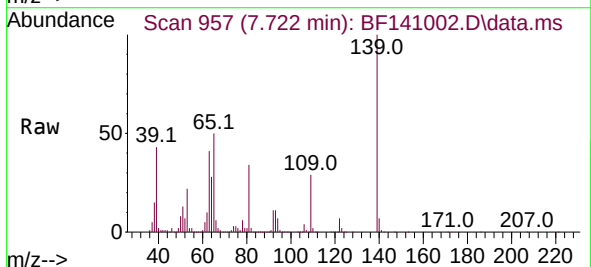
Manual Integrations
APPROVED

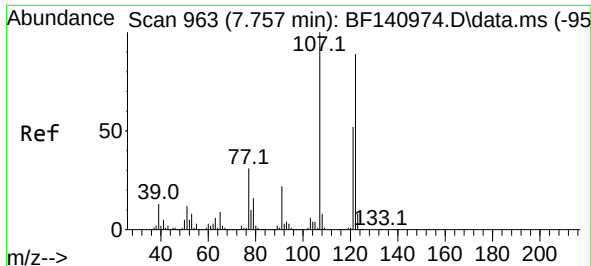
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#26
2-Nitrophenol
Concen: 60.506 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

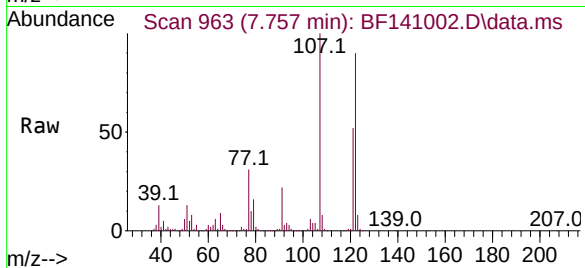
Tgt Ion:139 Resp: 459427
Ion Ratio Lower Upper
139 100
109 28.8 22.2 33.4
65 49.9 40.2 60.4





#27
2,4-Dimethylphenol
Concen: 59.696 ng
RT: 7.757 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

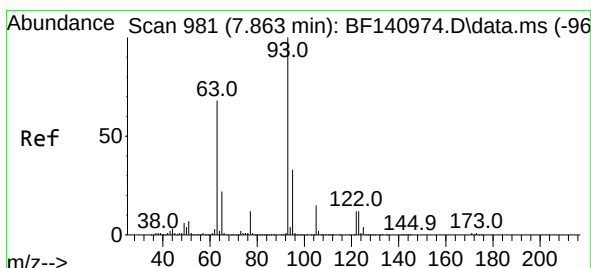
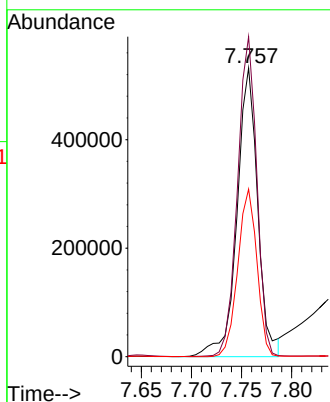
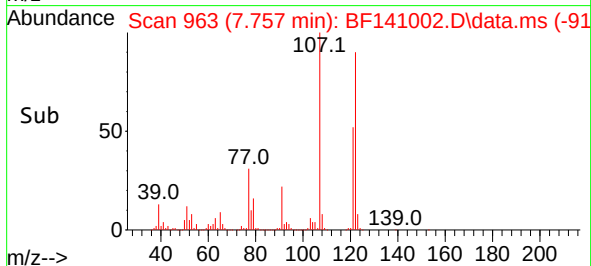
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:122 Resp: 767514
Ion Ratio Lower Upper
122 100
107 110.8 89.4 134.2
121 58.0 46.7 70.1

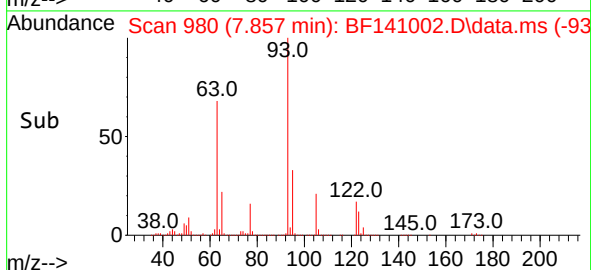
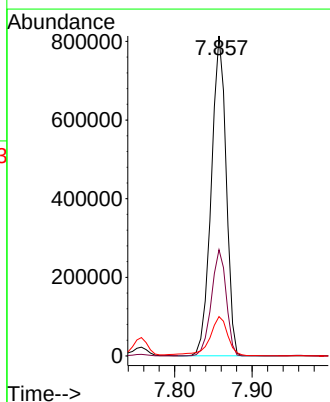
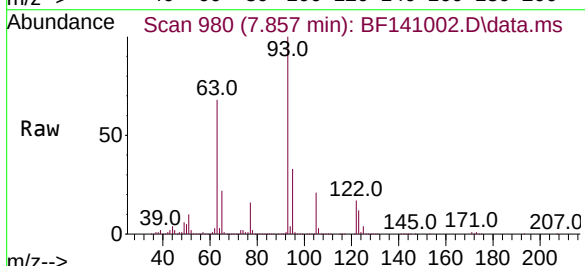
Manual Integrations
APPROVED

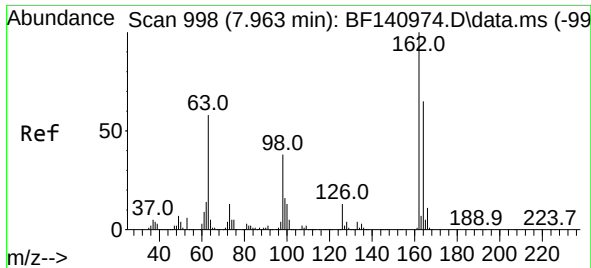
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#28
bis(2-Chloroethoxy)methane
Concen: 48.781 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

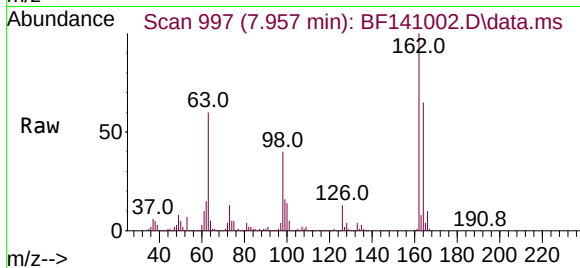
Tgt Ion: 93 Resp: 1087294
Ion Ratio Lower Upper
93 100
95 33.2 26.2 39.4
123 12.3 9.9 14.9





#29
2,4-Dichlorophenol
Concen: 51.815 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

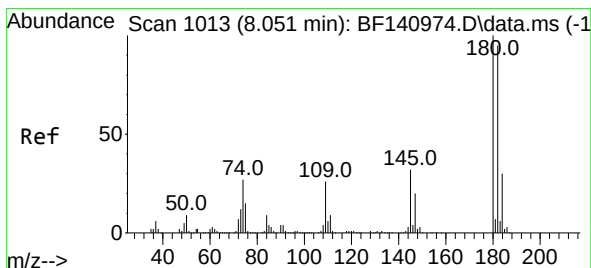
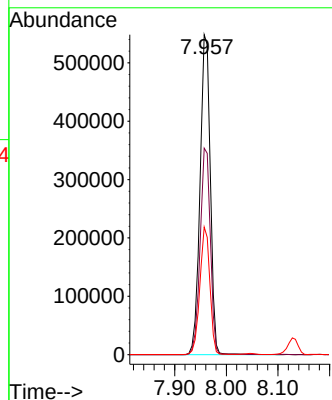
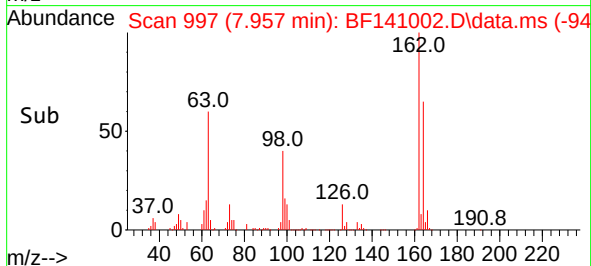
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:162 Resp: 755558
Ion Ratio Lower Upper
162 100
164 64.6 44.8 84.8
98 39.9 18.6 58.6

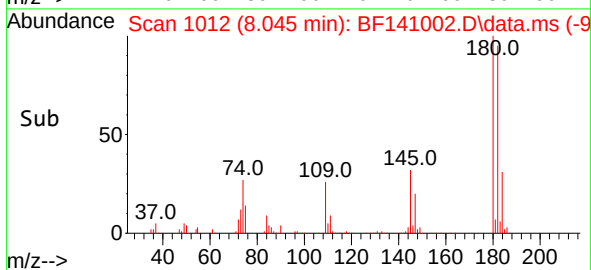
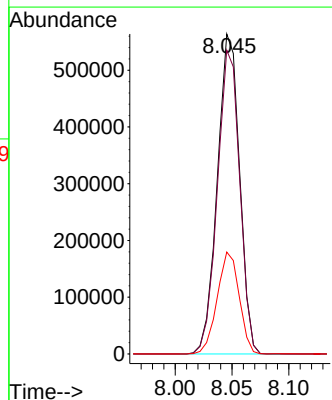
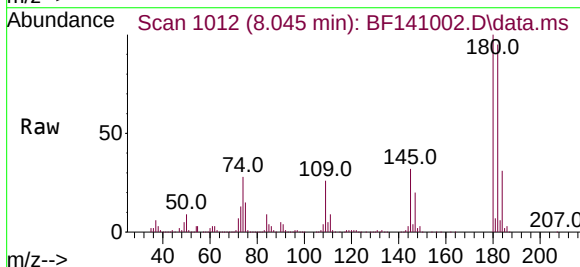
Manual Integrations
APPROVED

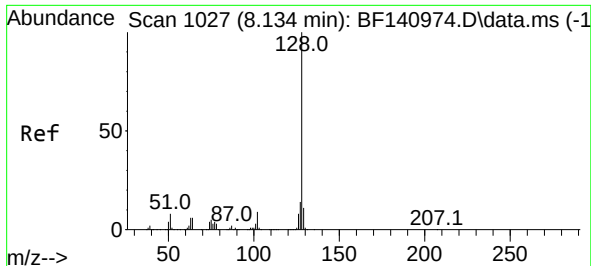
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#30
1,2,4-Trichlorobenzene
Concen: 46.578 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

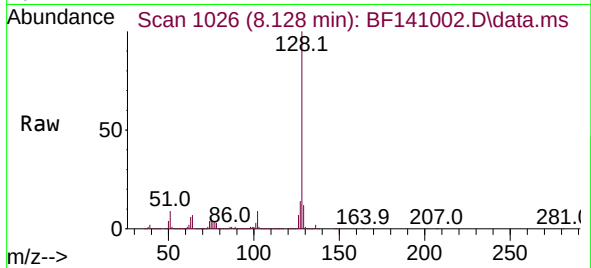
Tgt Ion:180 Resp: 768740
Ion Ratio Lower Upper
180 100
182 94.9 76.2 114.4
145 31.9 25.4 38.2





#31
Naphthalene
Concen: 48.052 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

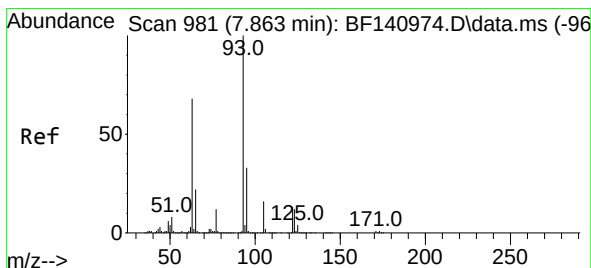
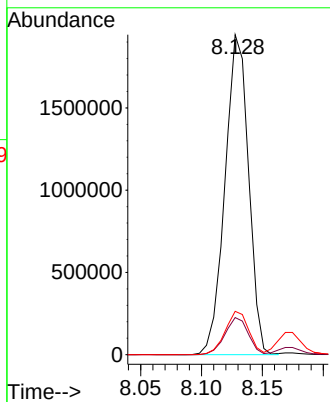
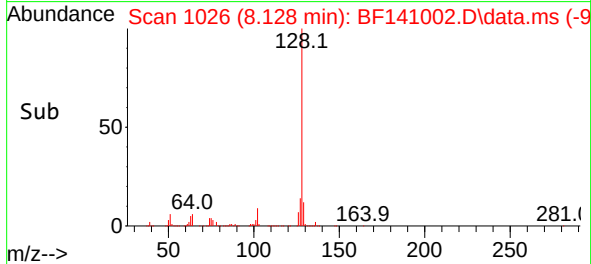
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:128 Resp: 2618918
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.5 11.0 16.4

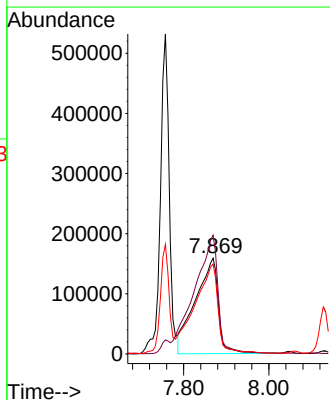
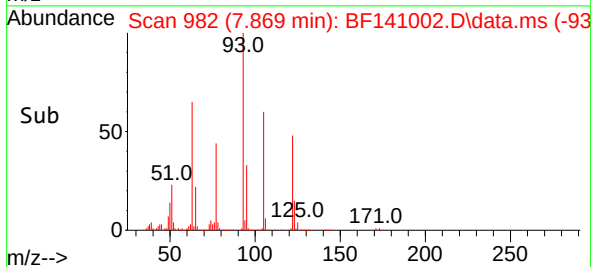
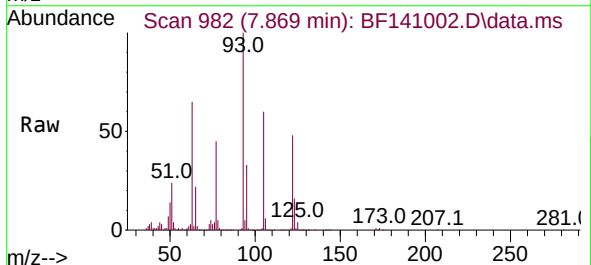
Manual Integrations
APPROVED

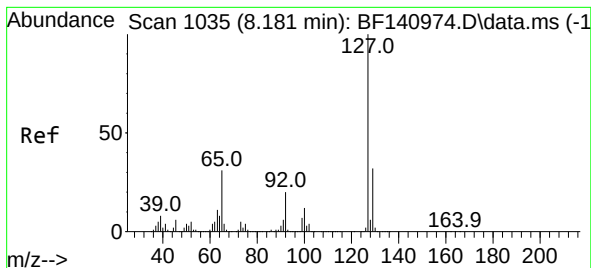
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#32
Benzoic acid
Concen: 54.902 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

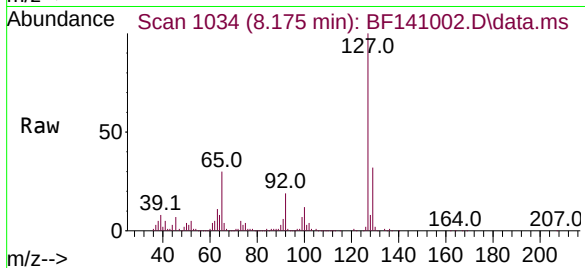
Tgt Ion:122 Resp: 594830
Ion Ratio Lower Upper
122 100
105 124.0 105.4 145.4
77 93.9 76.4 116.4





#33
4-Chloroaniline
Concen: 9.799 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

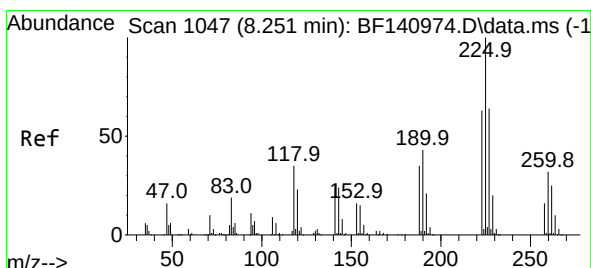
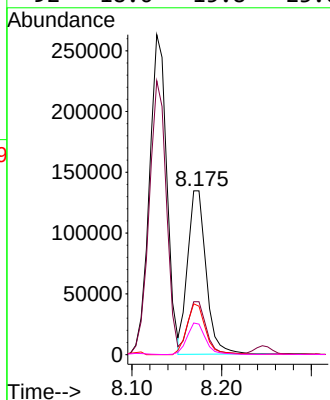
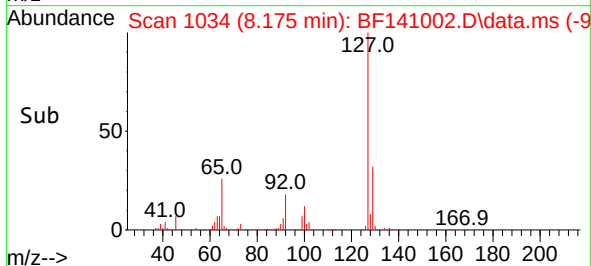
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:127 Resp: 193209
Ion Ratio Lower Upper
127 100
129 32.3 26.1 39.1
65 29.6 24.6 37.0
92 18.6 15.8 23.6

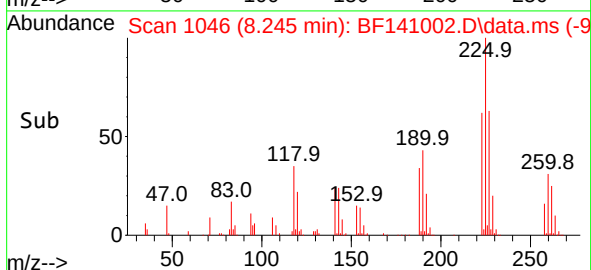
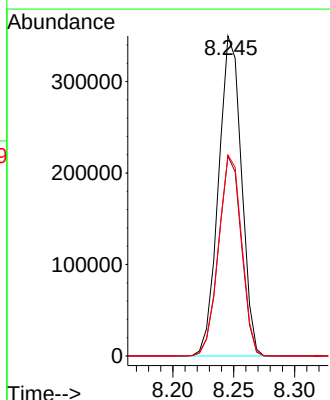
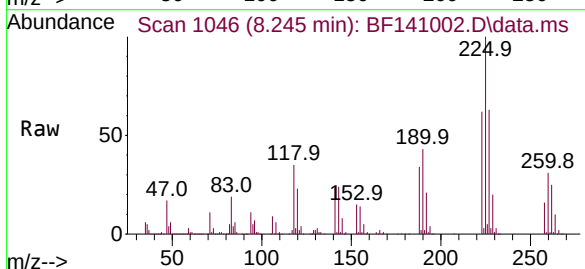
Manual Integrations
APPROVED

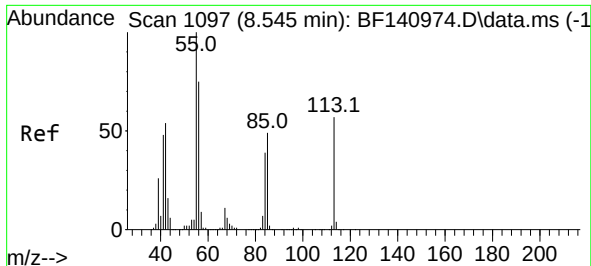
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#34
Hexachlorobutadiene
Concen: 47.117 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

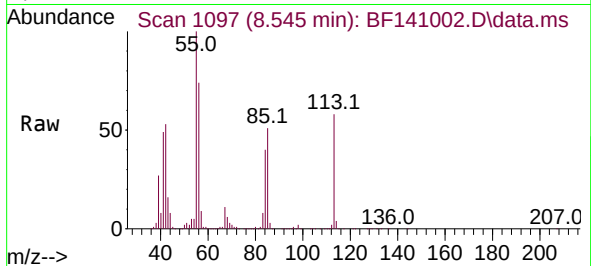
Tgt Ion:225 Resp: 458440
Ion Ratio Lower Upper
225 100
223 62.4 50.3 75.5
227 62.8 50.8 76.2





#35
Caprolactam
Concen: 50.164 ng m
RT: 8.545 min Scan# 1097
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

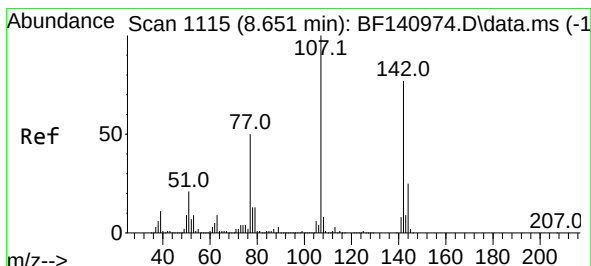
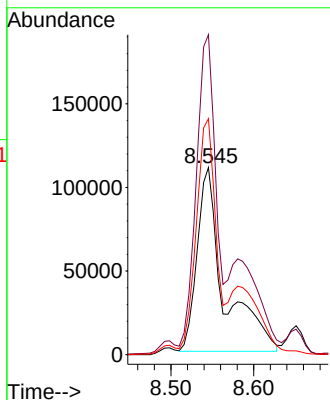
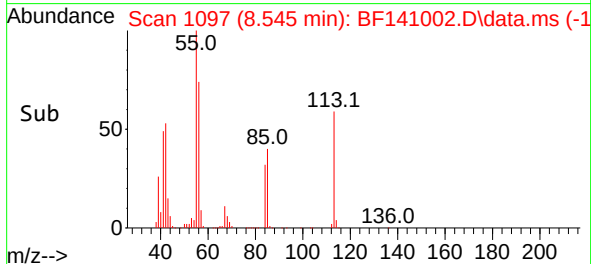
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:113 Resp: 248670
Ion Ratio Lower Upper
113 100
55 171.0 156.6 196.6
56 126.1 111.7 151.7

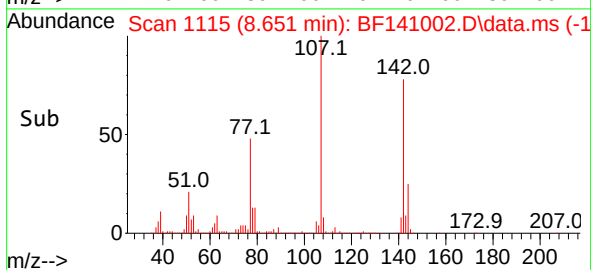
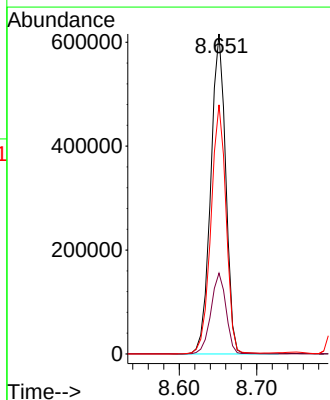
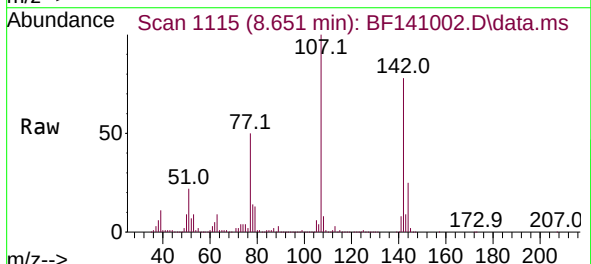
Manual Integrations
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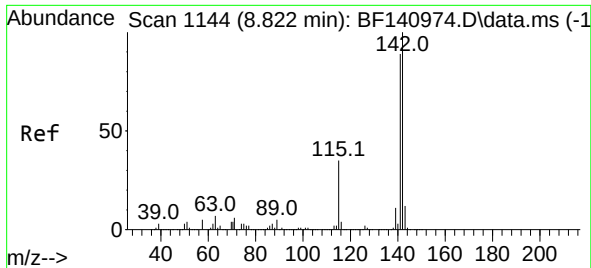
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#36
4-Chloro-3-methylphenol
Concen: 51.162 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:107 Resp: 828506
Ion Ratio Lower Upper
107 100
144 25.2 19.9 29.9
142 77.9 61.8 92.8





#37

2-Methylnaphthalene

Concen: 49.315 ng

RT: 8.816 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:142 Resp: 171946

Ion Ratio Lower Upper

142 100

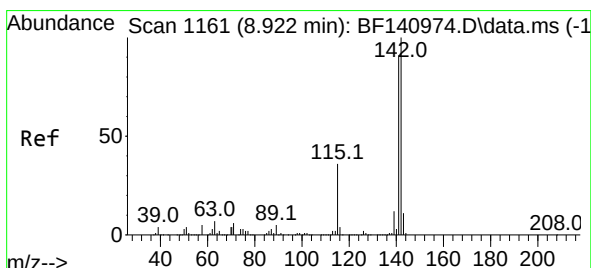
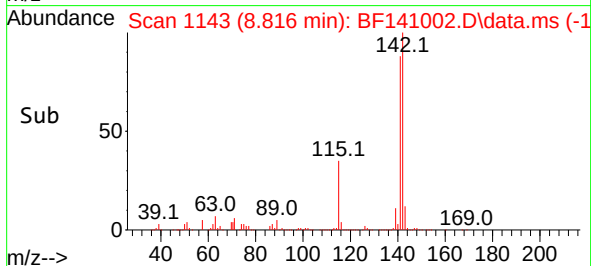
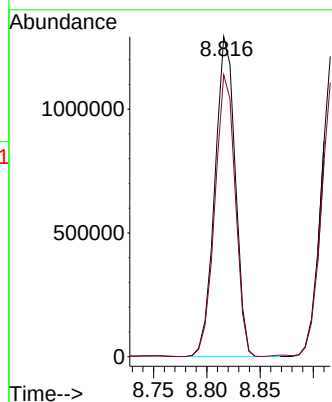
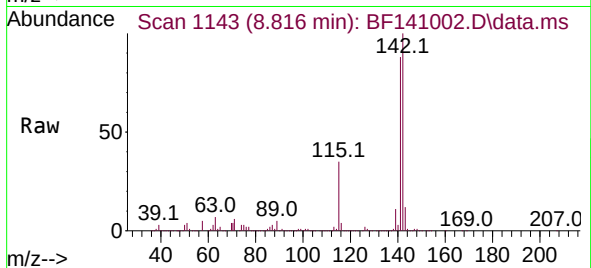
141 88.1 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#38

1-Methylnaphthalene

Concen: 47.186 ng

RT: 8.916 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF141002.D

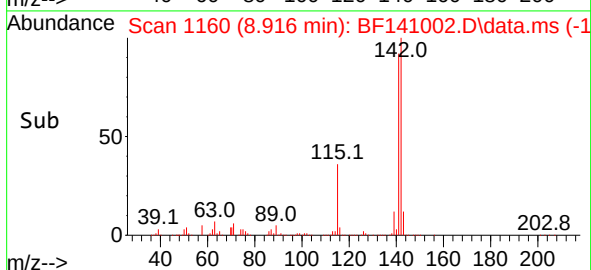
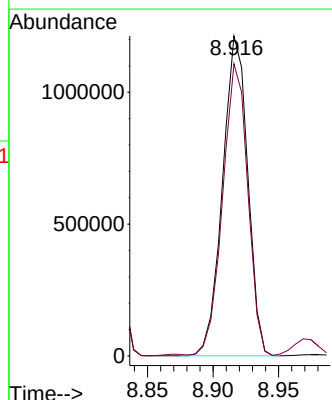
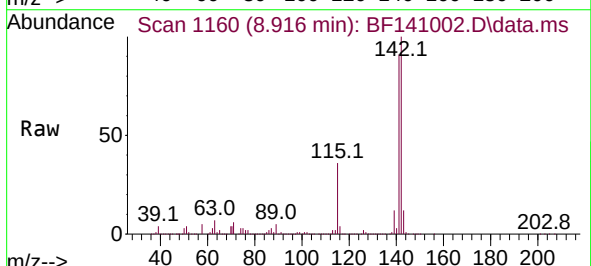
Acq: 27 Dec 2024 17:46

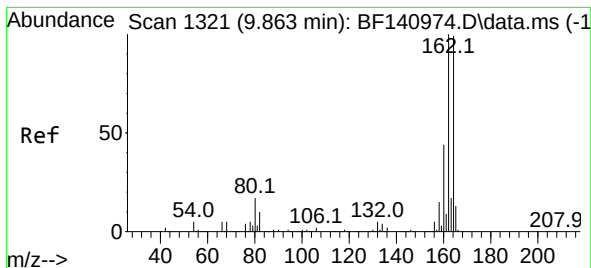
Tgt Ion:142 Resp: 1616880

Ion Ratio Lower Upper

142 100

141 91.3 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF141002.D

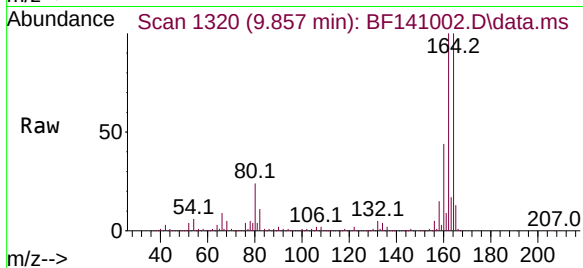
Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS



Tgt Ion:164 Resp: 555359

Ion Ratio Lower Upper

164 100

162 99.9 80.6 120.8

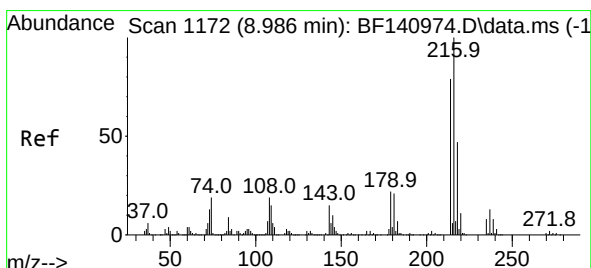
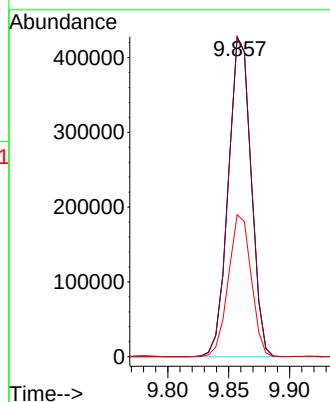
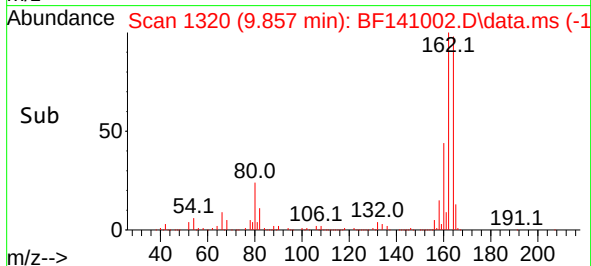
160 44.4 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.870 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Tgt Ion:216 Resp: 746657

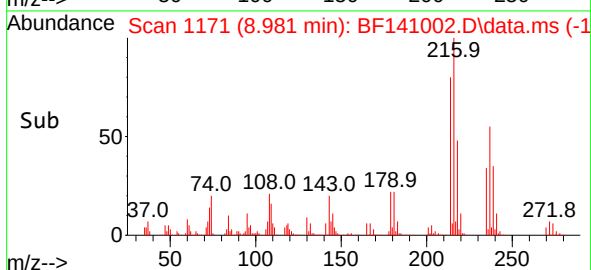
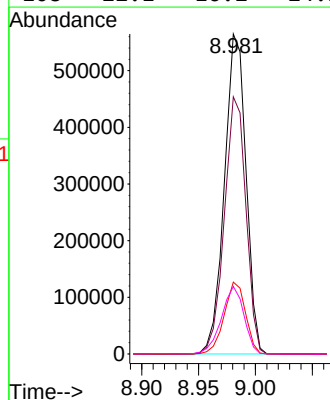
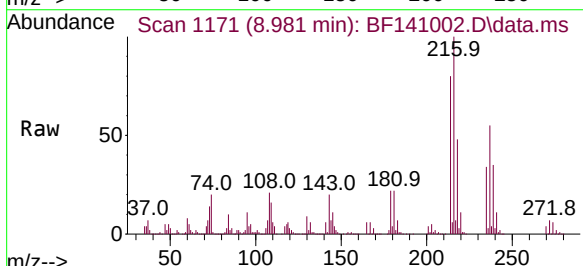
Ion Ratio Lower Upper

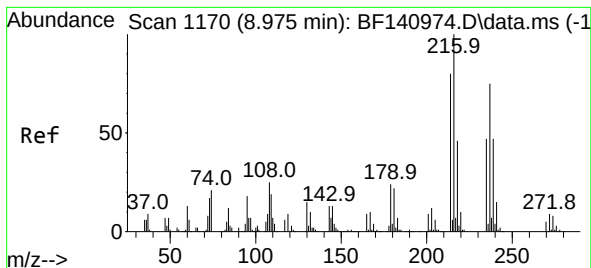
216 100

214 80.0 63.0 94.6

179 22.2 17.9 26.9

108 22.1 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 132.352 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:237 Resp: 670120

Ion Ratio Lower Upper

237 100

235 62.4 43.4 83.4

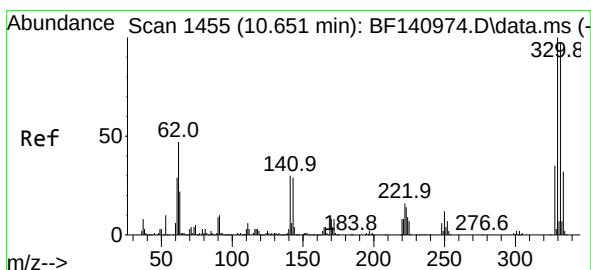
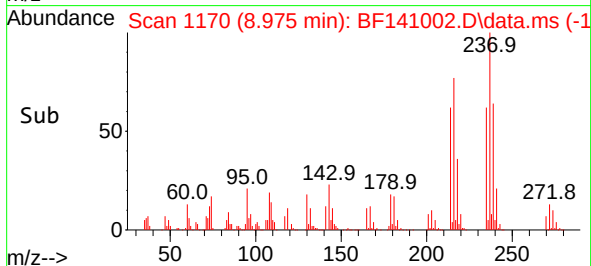
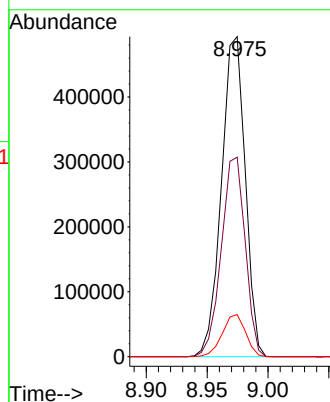
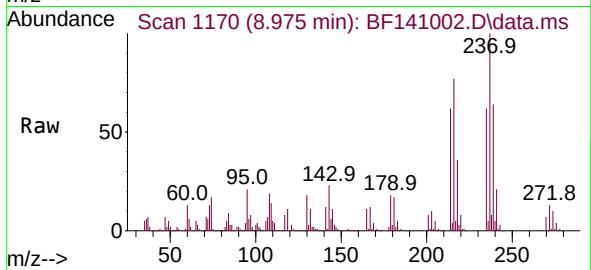
272 13.1 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#42

2,4,6-Tribromophenol

Concen: 123.371 ng

RT: 10.651 min Scan# 1455

Delta R.T. -0.000 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

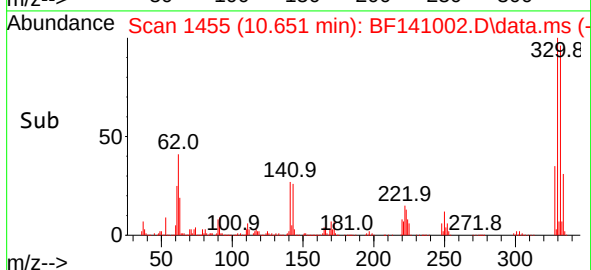
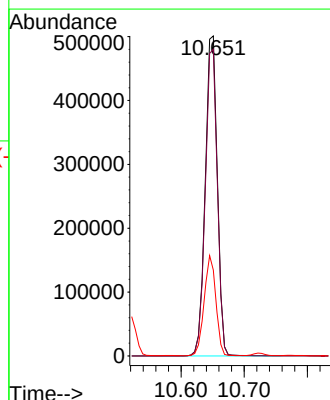
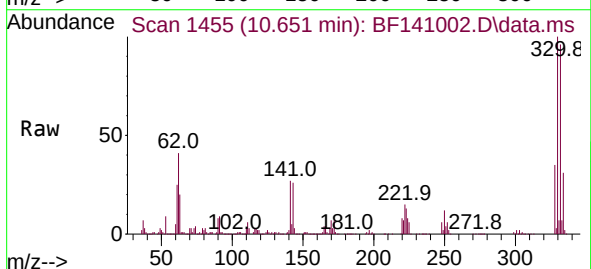
Tgt Ion:330 Resp: 665764

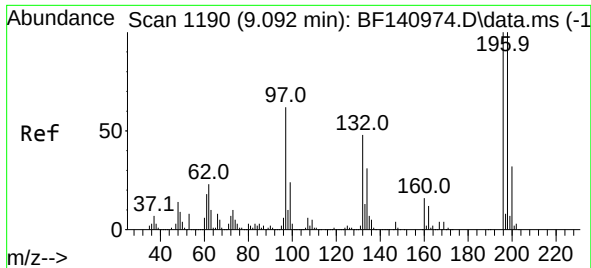
Ion Ratio Lower Upper

330 100

332 95.7 78.0 117.0

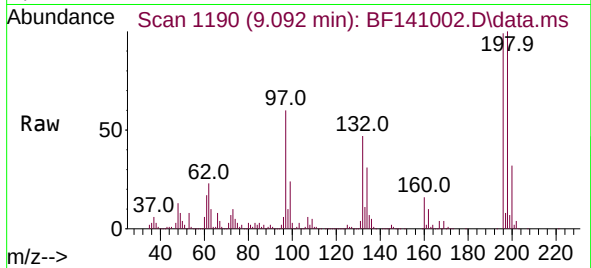
141 30.2 26.4 39.6





#43
2,4,6-Trichlorophenol
Concen: 53.686 ng
RT: 9.092 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

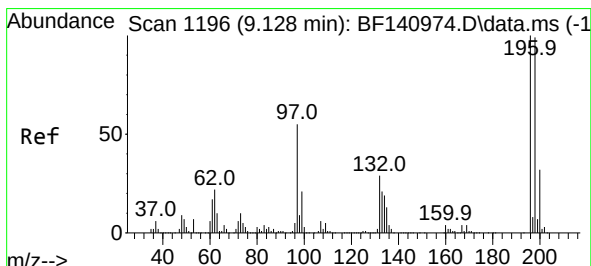
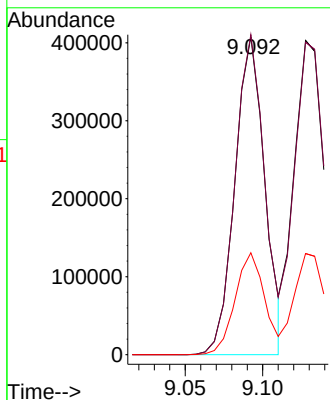
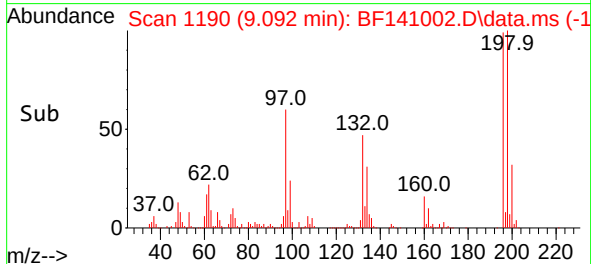
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:196 Resp: 54592
Ion Ratio Lower Upper
196 100
198 100.7 80.2 120.4
200 32.1 25.8 38.6

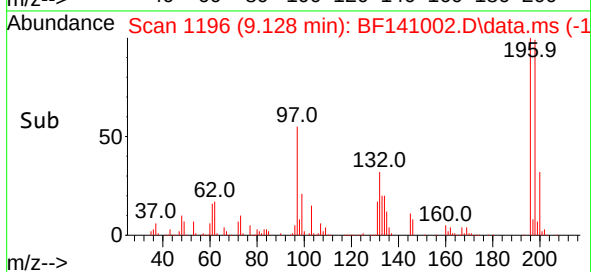
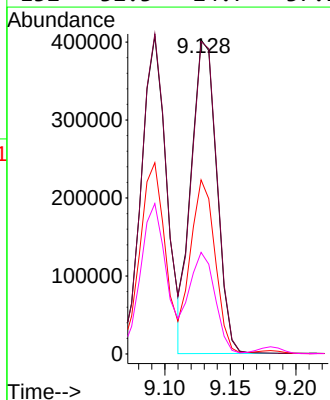
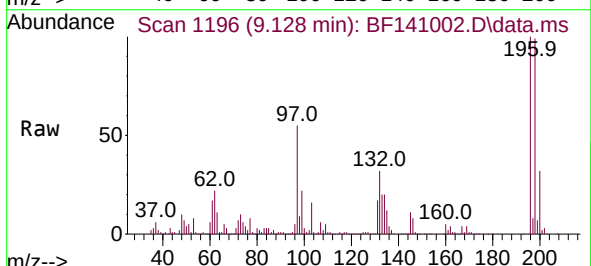
Manual Integrations
APPROVED

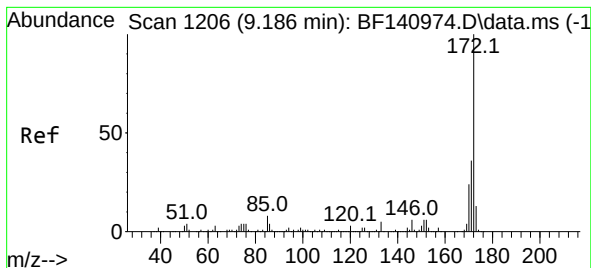
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#44
2,4,5-Trichlorophenol
Concen: 52.190 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:196 Resp: 543015
Ion Ratio Lower Upper
196 100
198 99.4 79.9 119.9
97 55.4 44.3 66.5
132 32.3 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 71.832 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:172 Resp: 250385

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.4

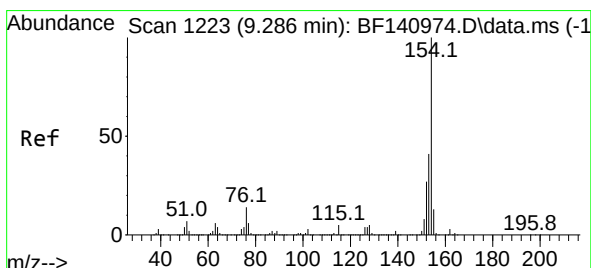
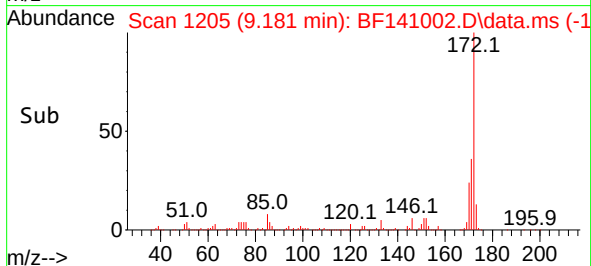
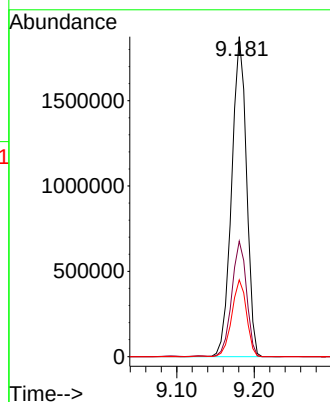
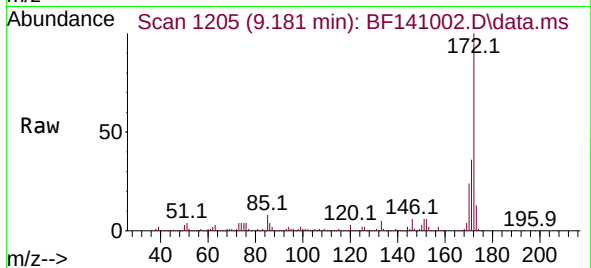
170 24.0 19.6 29.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#46

1,1'-Biphenyl

Concen: 49.092 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.005 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

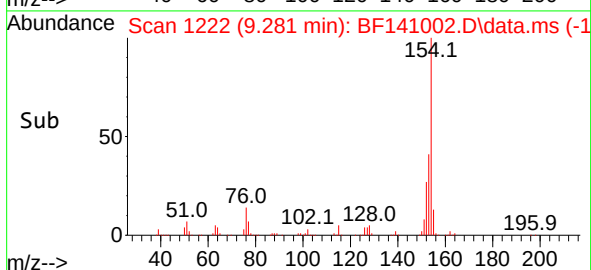
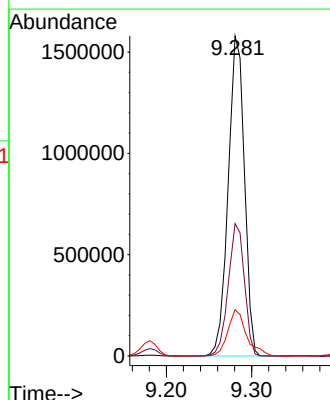
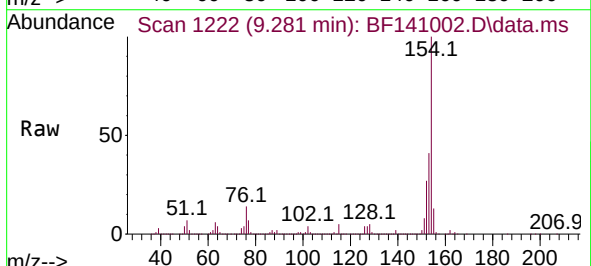
Tgt Ion:154 Resp: 2087547

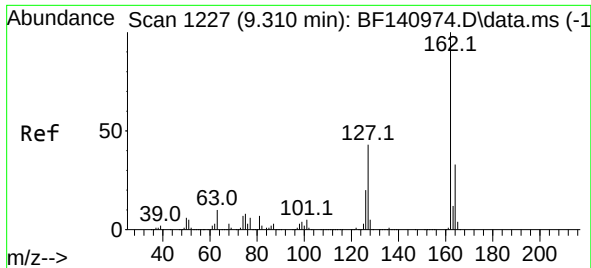
Ion Ratio Lower Upper

154 100

153 41.4 20.9 60.9

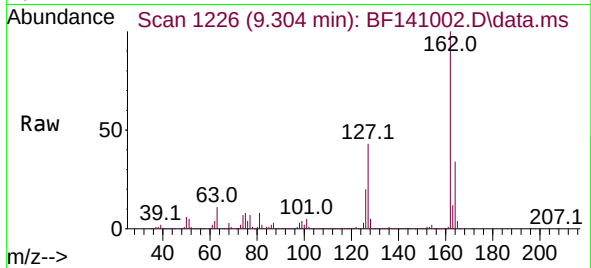
76 14.5 0.0 34.0





#47
2-Chloronaphthalene
Concen: 47.738 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

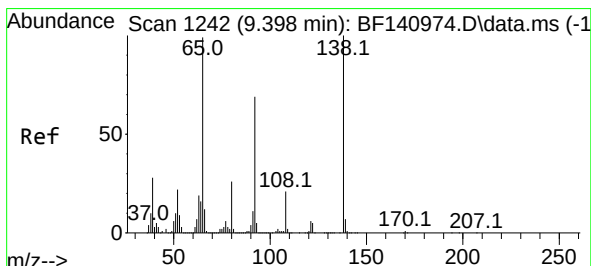
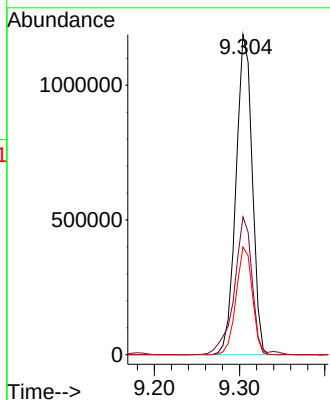
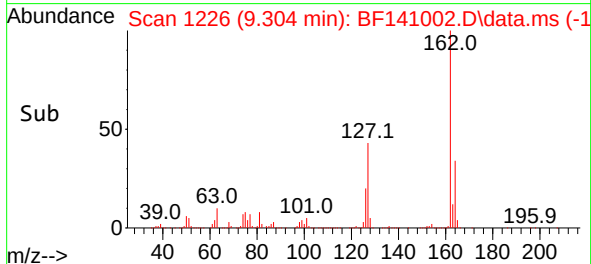
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:162 Resp: 1574404
Ion Ratio Lower Upper
162 100
127 43.1 34.2 51.4
164 33.7 26.6 40.0

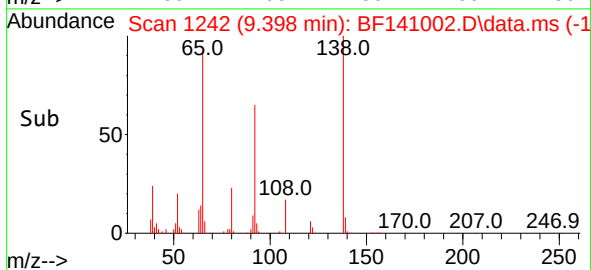
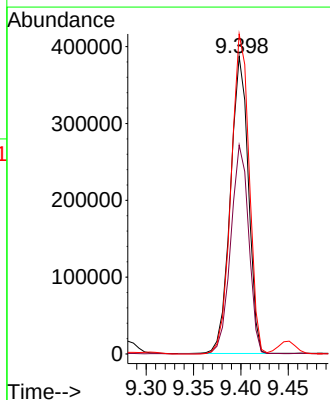
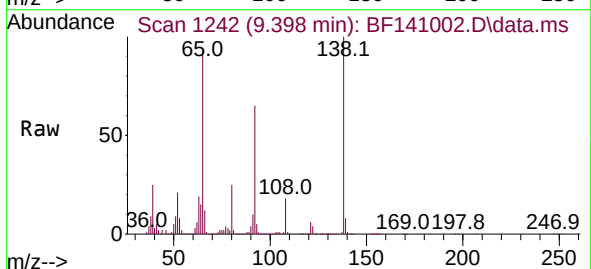
Manual Integrations
APPROVED

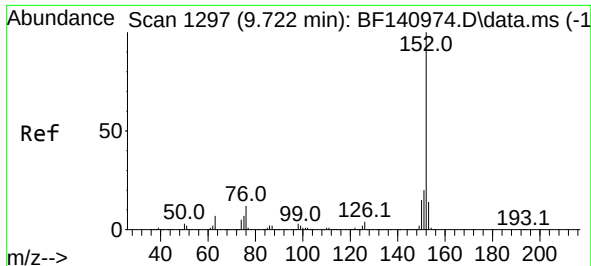
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#48
2-Nitroaniline
Concen: 57.885 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

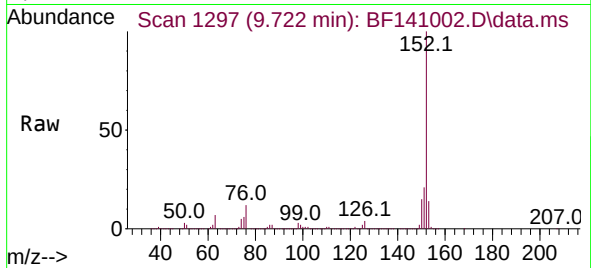
Tgt Ion: 65 Resp: 508552
Ion Ratio Lower Upper
65 100
92 70.2 55.6 83.4
138 107.5 80.5 120.7





#49
Acenaphthylene
Concen: 51.870 ng
RT: 9.722 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

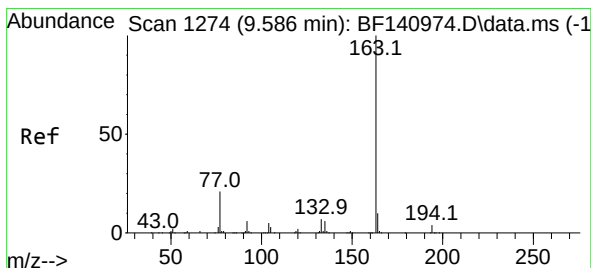
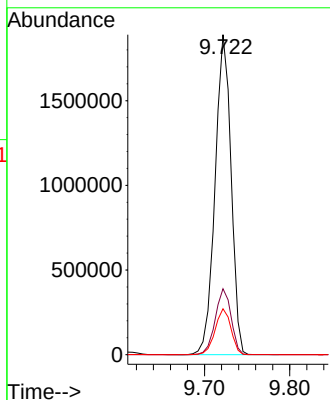
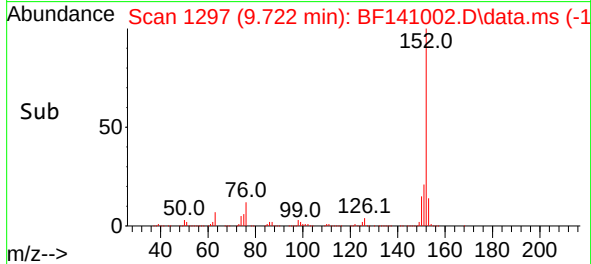
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:152 Resp: 246259
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 14.4 11.4 17.0

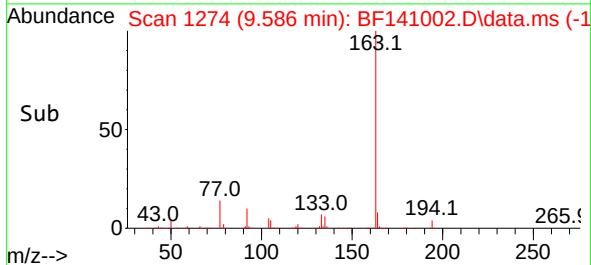
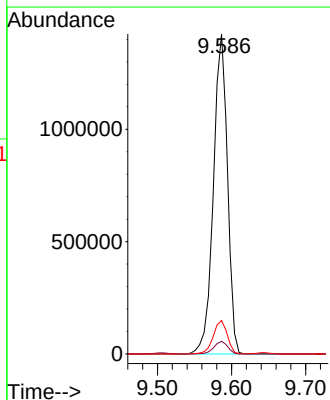
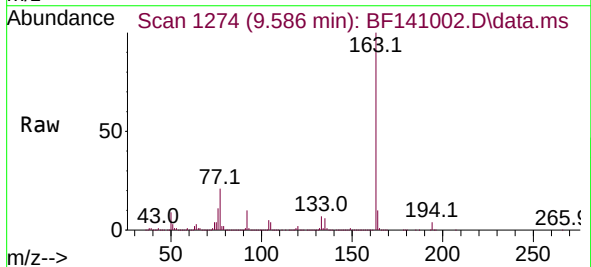
Manual Integrations
APPROVED

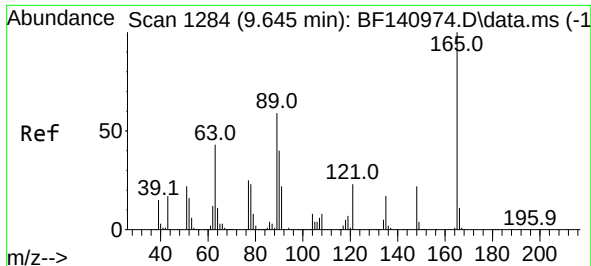
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#50
Dimethylphthalate
Concen: 51.215 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

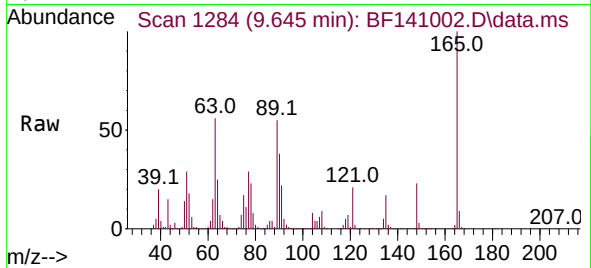
Tgt Ion:163 Resp: 1870856
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.5 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 54.848 ng
RT: 9.645 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

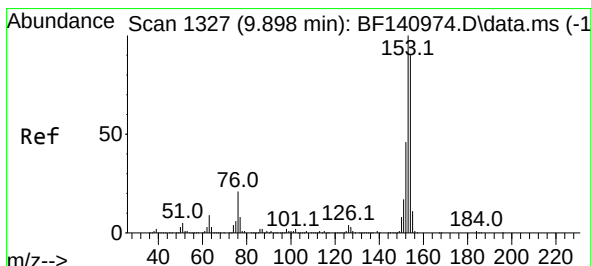
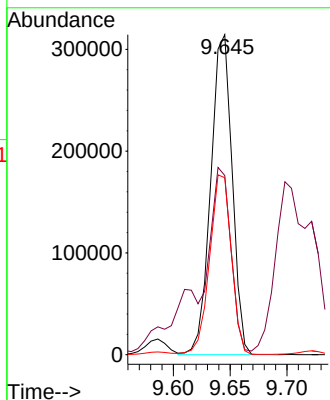
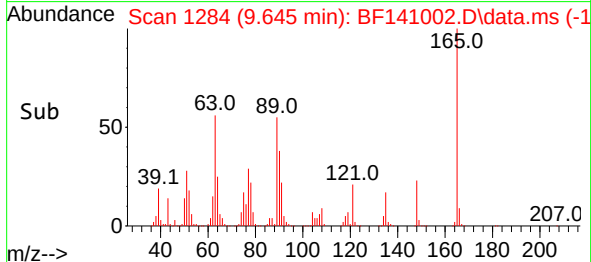
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:165 Resp: 412808
Ion Ratio Lower Upper
165 100
63 56.0 47.1 70.7
89 55.3 47.0 70.4

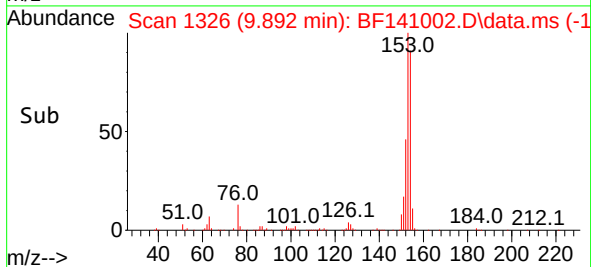
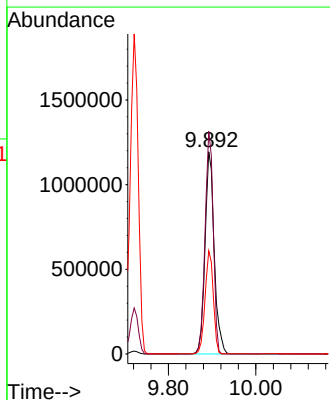
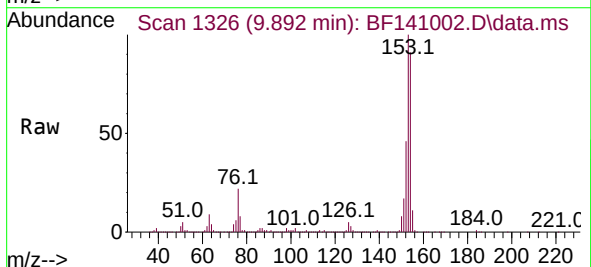
Manual Integrations
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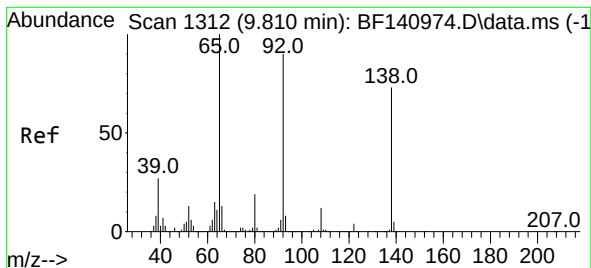
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#52
Acenaphthene
Concen: 54.574 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

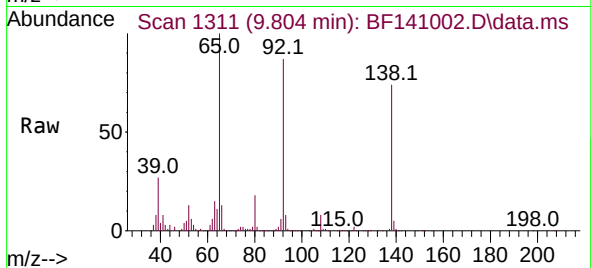
Tgt Ion:154 Resp: 1751630
Ion Ratio Lower Upper
154 100
153 110.1 89.2 133.8
152 51.1 40.9 61.3





#53
3-Nitroaniline
Concen: 27.494 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

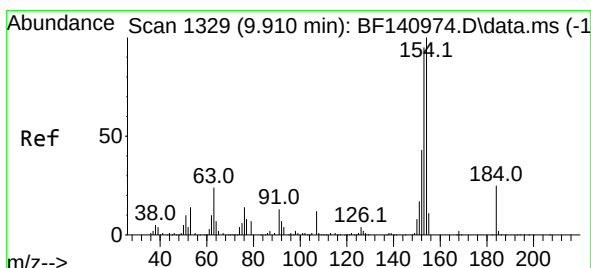
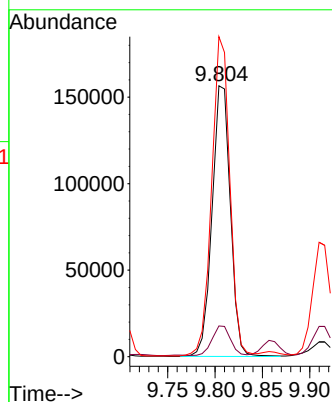
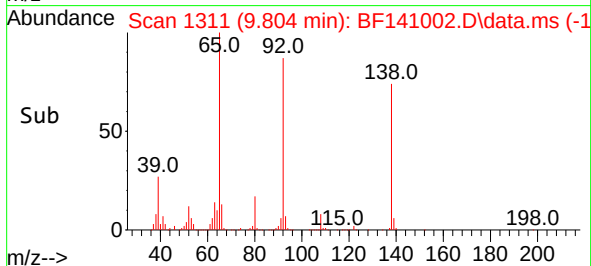
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:138 Resp: 21062
Ion Ratio Lower Upper
138 100
108 11.4 13.5 20.3
92 118.1 97.7 146.5

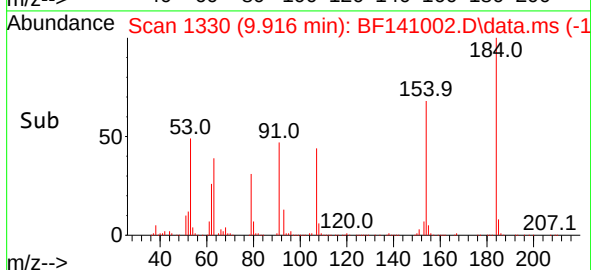
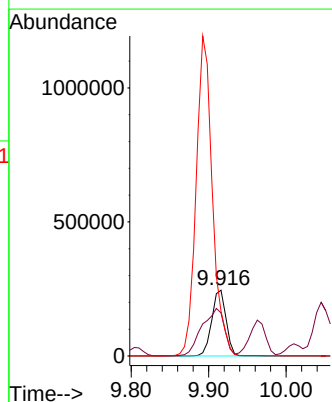
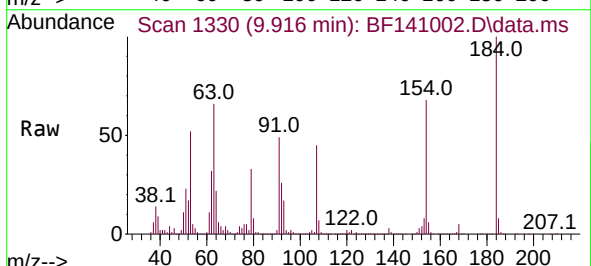
Manual Integrations
APPROVED

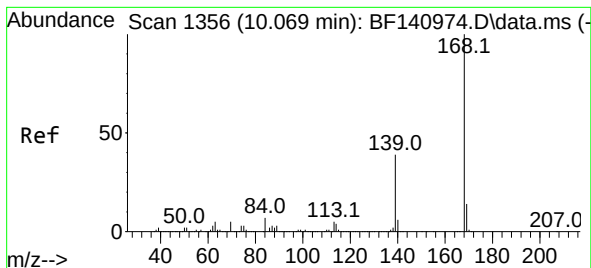
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#54
2,4-Dinitrophenol
Concen: 96.798 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

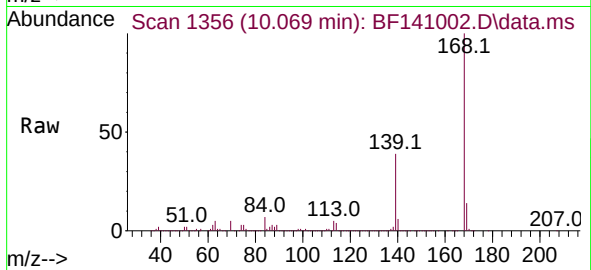
Tgt Ion:184 Resp: 315098
Ion Ratio Lower Upper
184 100
63 65.5 81.6 122.4#
154 68.2 363.5 545.3#





#55
Dibenzenofuran
Concen: 50.108 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

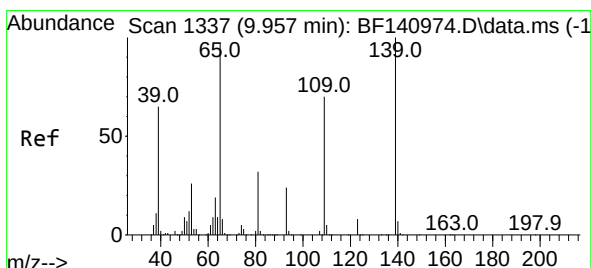
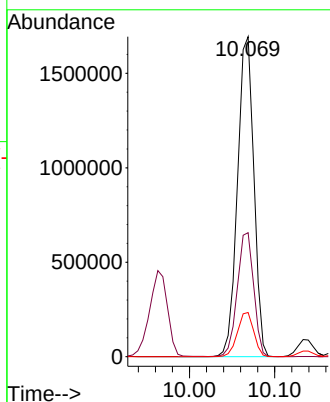
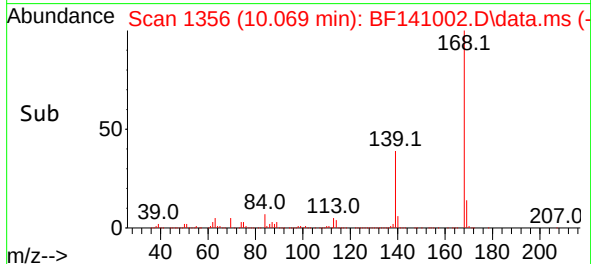
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:168 Resp: 2260200
Ion Ratio Lower Upper
168 100
139 38.7 31.6 47.4
169 13.8 11.0 16.6

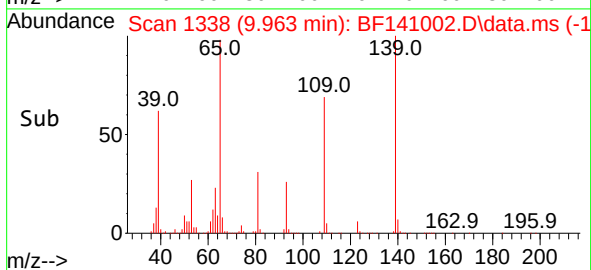
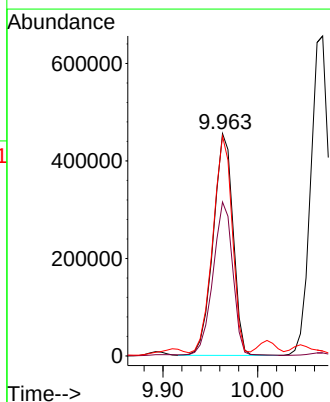
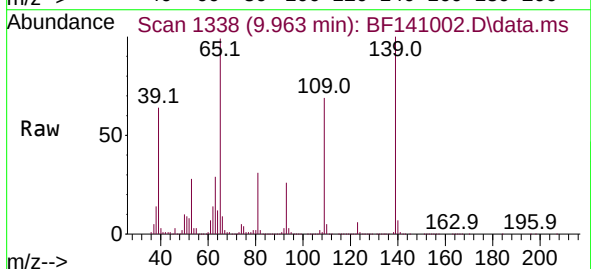
Manual Integrations
APPROVED

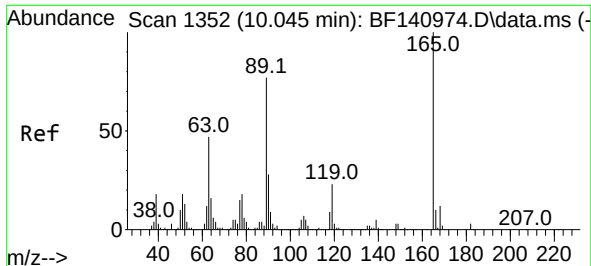
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#56
4-Nitrophenol
Concen: 106.173 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

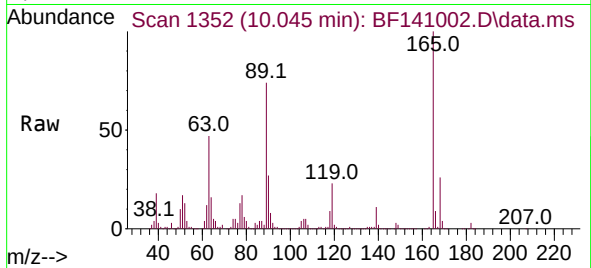
Tgt Ion:139 Resp: 663441
Ion Ratio Lower Upper
139 100
109 69.2 50.8 90.8
65 98.8 78.5 118.5





#57
2,4-Dinitrotoluene
Concen: 59.115 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

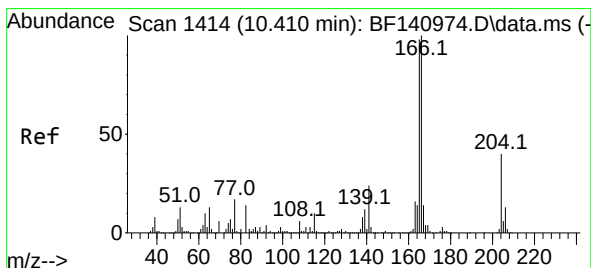
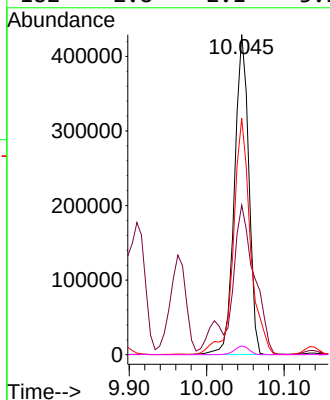
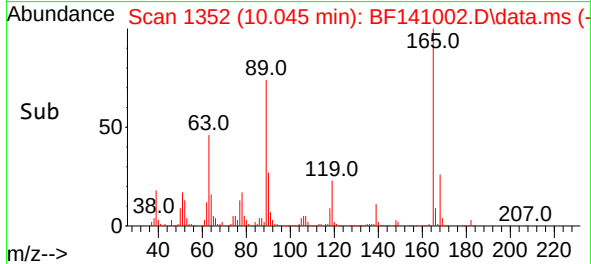
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:165 Resp: 549380
Ion Ratio Lower Upper
165 100
63 46.7 38.1 57.1
89 73.9 61.4 92.2
182 2.8 2.1 3.1

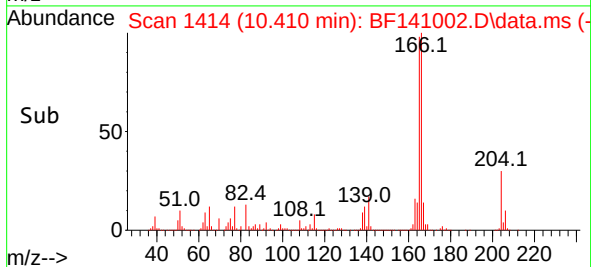
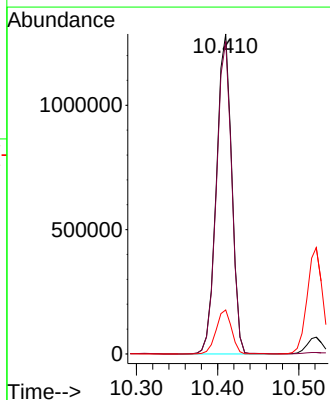
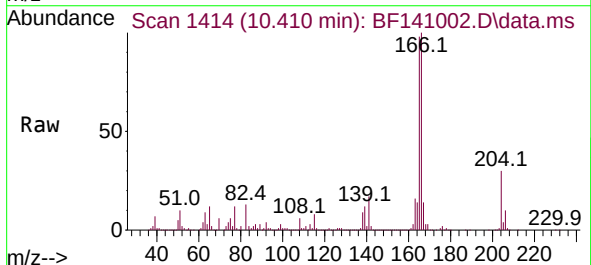
Manual Integrations
APPROVED

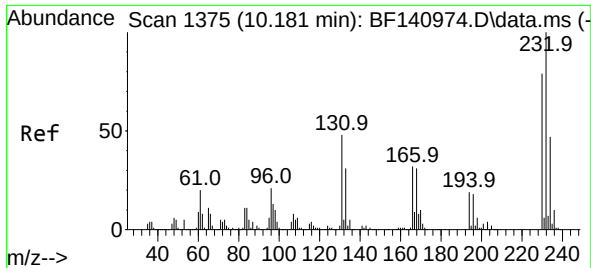
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#58
Fluorene
Concen: 48.177 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

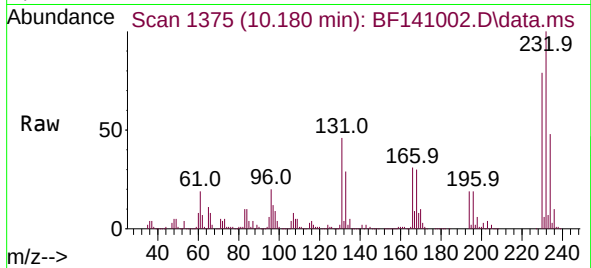
Tgt Ion:166 Resp: 1685123
Ion Ratio Lower Upper
166 100
165 97.7 78.3 117.5
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 54.868 ng
RT: 10.180 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

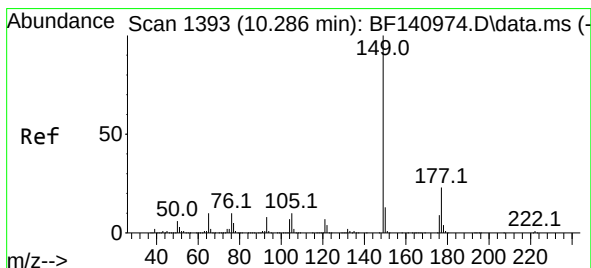
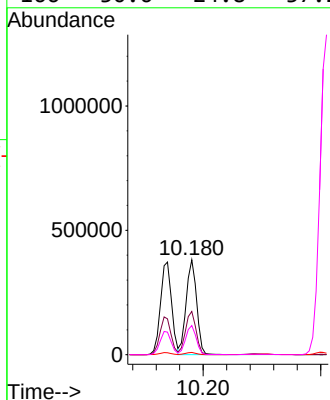
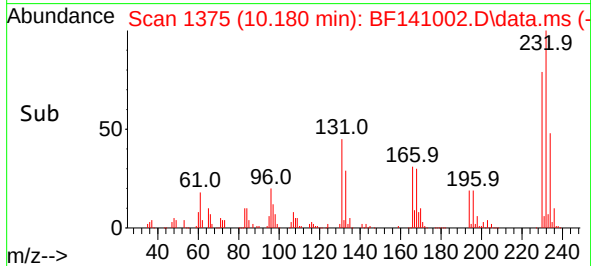
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



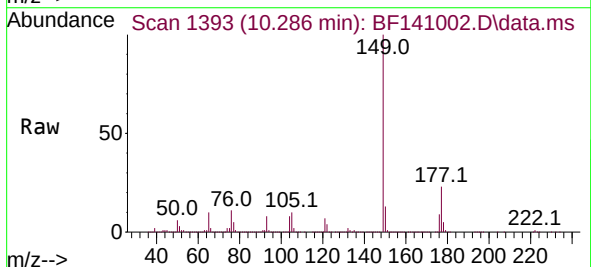
Tgt Ion:232 Resp: 472790
Ion Ratio Lower Upper
232 100
131 45.7 37.4 56.2
130 2.3 1.8 2.8
166 30.6 24.8 37.2

Manual Integrations
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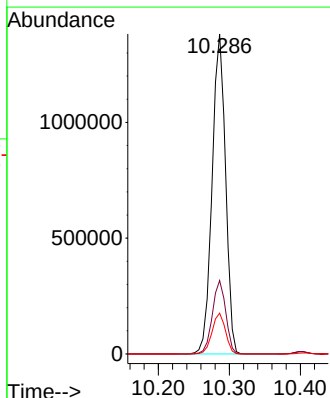
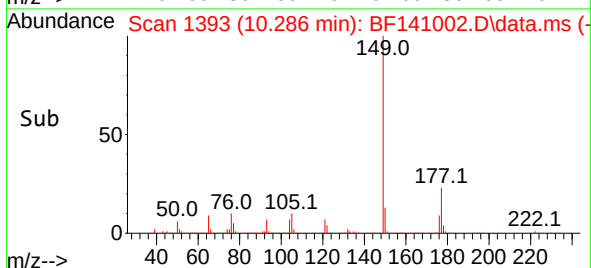
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

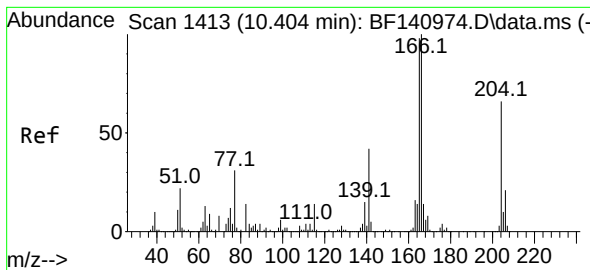


#60
Diethylphthalate
Concen: 50.298 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46



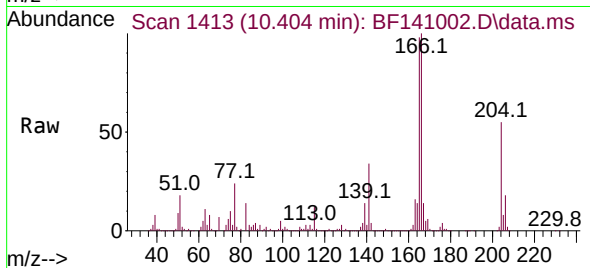
Tgt Ion:149 Resp: 1813920
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.7 10.4 15.6





#61
4-Chlorophenyl-phenylether
Concen: 48.552 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

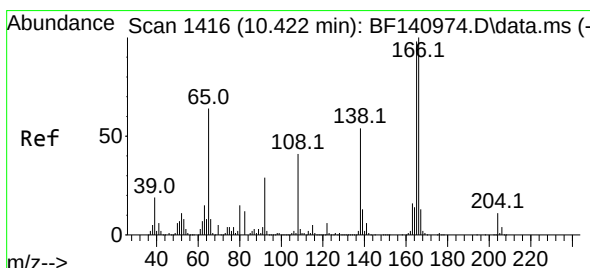
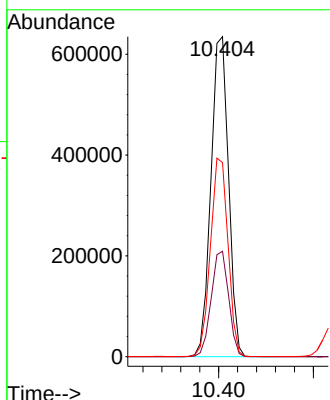
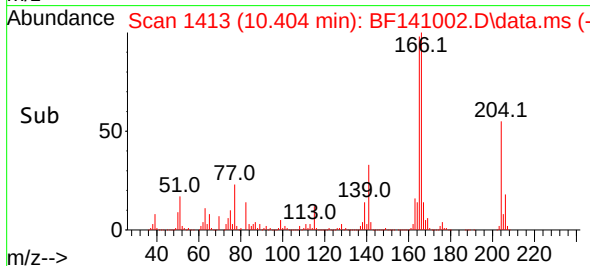
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



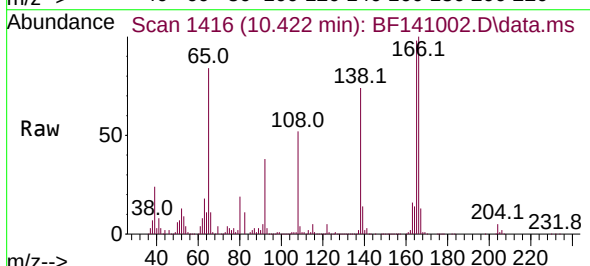
Tgt Ion:204 Resp: 81714
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.6
141 60.6 51.2 76.8

Manual Integrations
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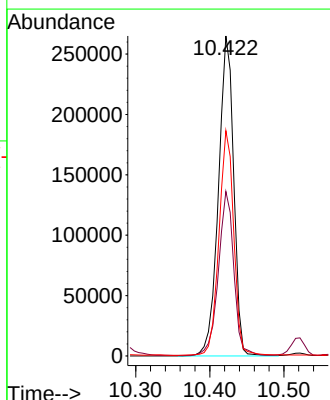
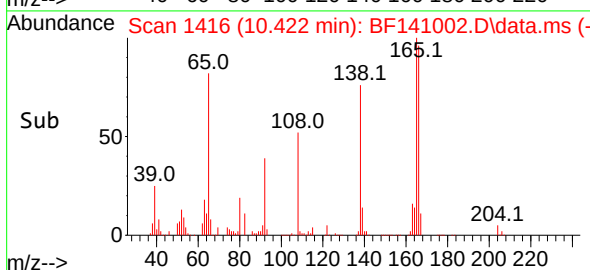
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

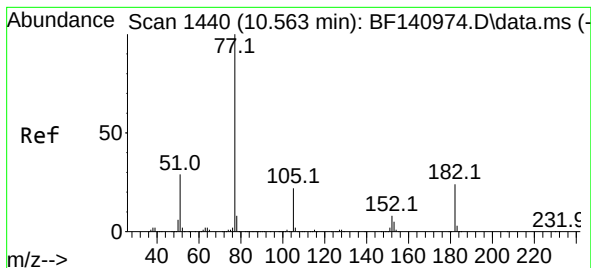


#62
4-Nitroaniline
Concen: 46.936 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46



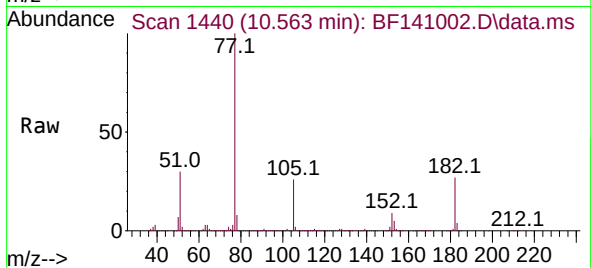
Tgt Ion:138 Resp: 379238
Ion Ratio Lower Upper
138 100
92 51.4 34.8 74.8
108 70.4 55.9 95.9





#63
Azobenzene
Concen: 55.422 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

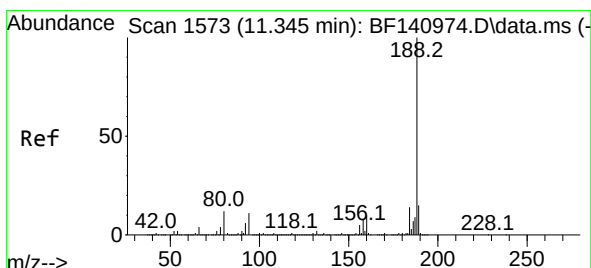
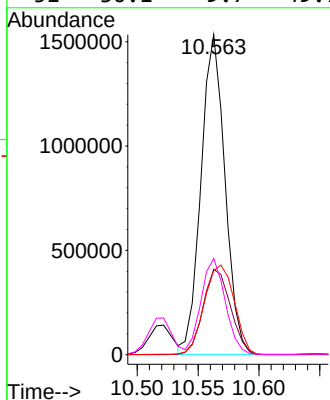
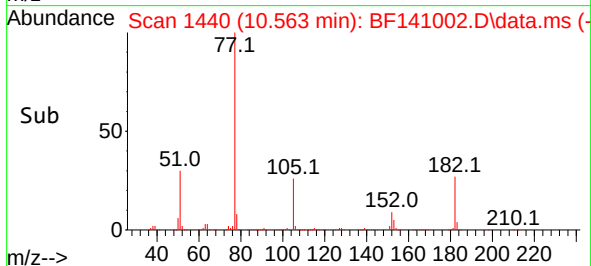
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion: 77 Resp: 209789
Ion Ratio Lower Upper
77 100
182 26.7 4.1 44.1
105 26.3 1.8 41.8
51 30.1 9.7 49.7

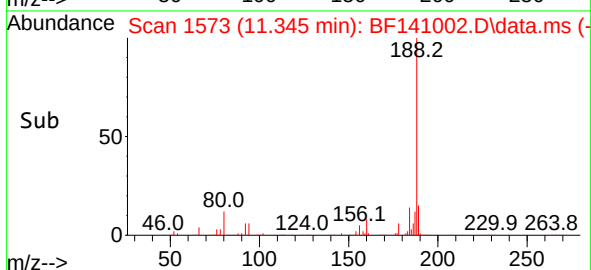
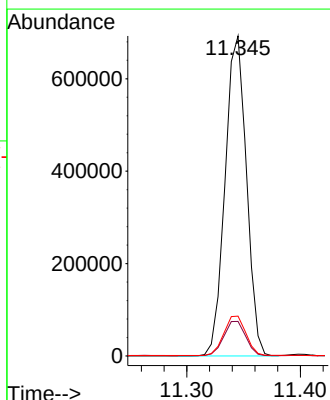
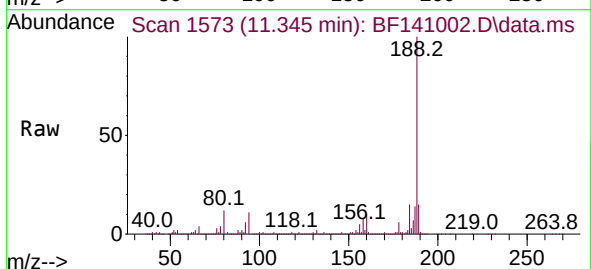
Manual Integrations
APPROVED

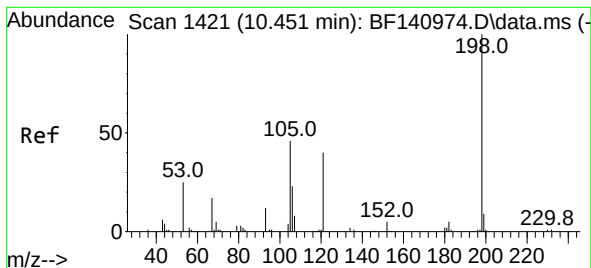
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

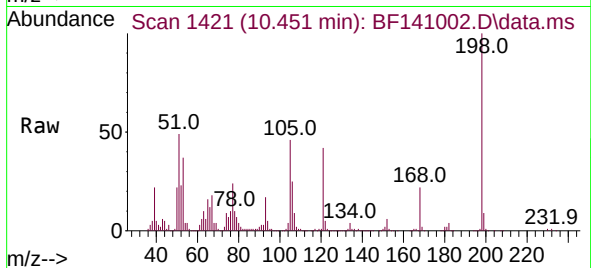
Tgt Ion:188 Resp: 906851
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.6
80 12.5 9.8 14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 59.442 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

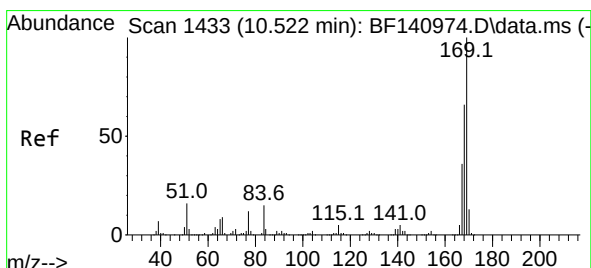
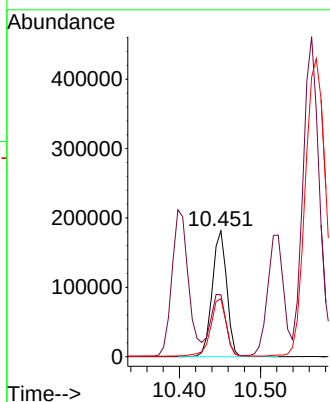
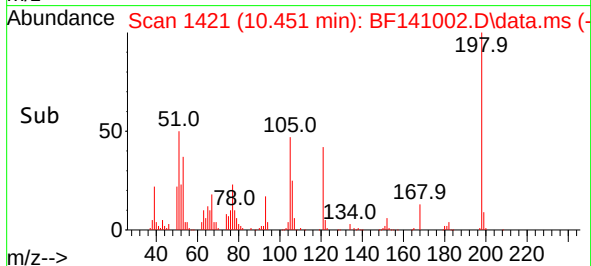
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



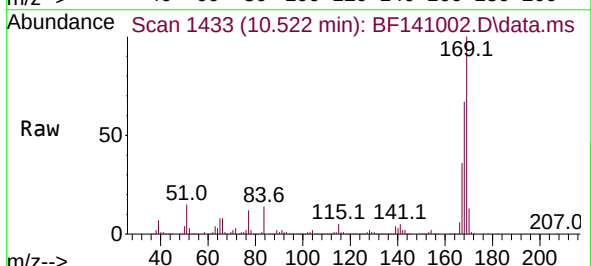
Tgt Ion:198 Resp: 224925
Ion Ratio Lower Upper
198 100
51 49.3 32.3 72.3
105 46.1 28.4 68.4

Manual Integrations
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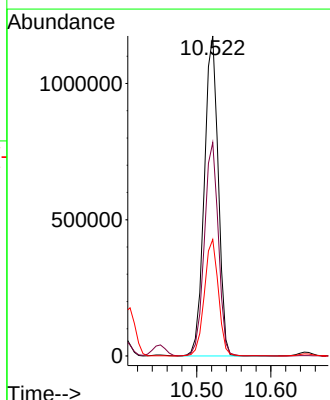
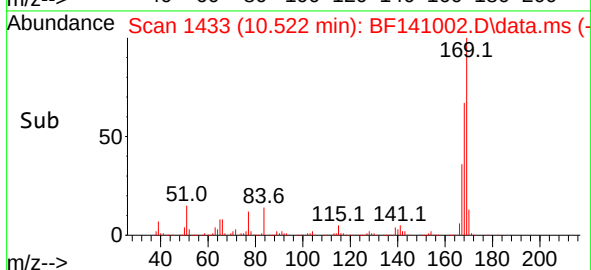
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

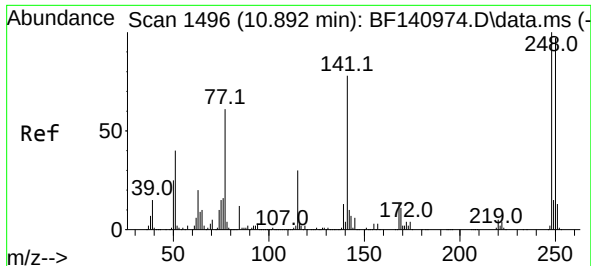


#66
n-Nitrosodiphenylamine
Concen: 53.698 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46



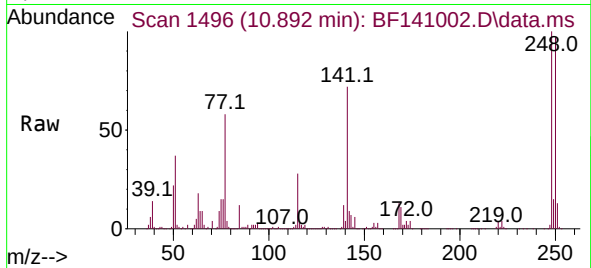
Tgt Ion:169 Resp: 1533418
Ion Ratio Lower Upper
169 100
168 66.7 52.6 79.0
167 36.4 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 54.685 ng
RT: 10.892 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

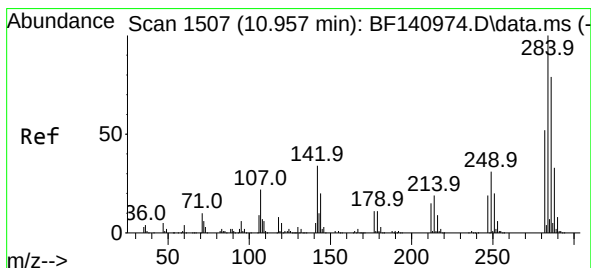
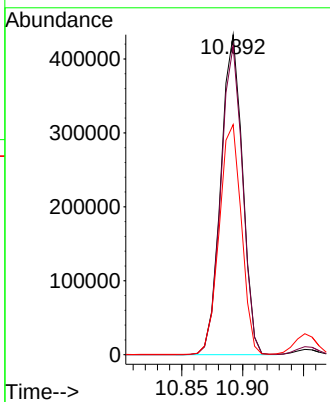
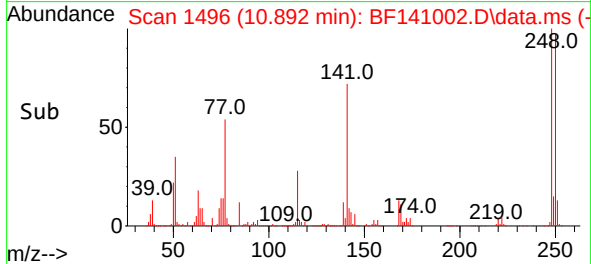
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:248 Resp: 536080
Ion Ratio Lower Upper
248 100
250 96.5 77.7 116.5
141 71.9 62.1 93.1

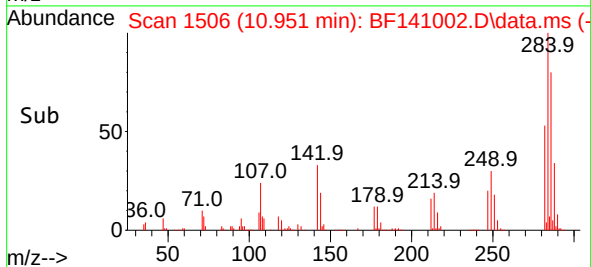
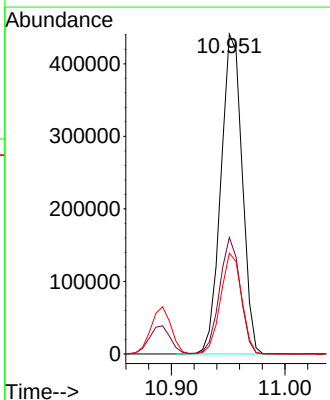
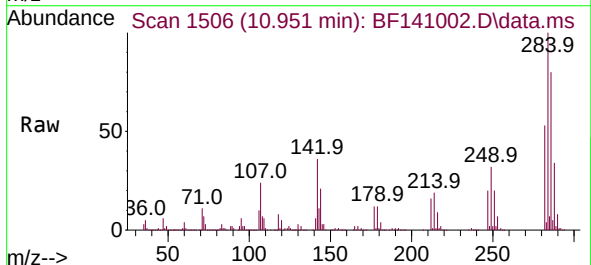
Manual Integrations
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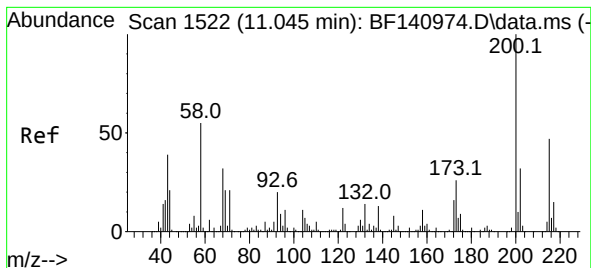
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#68
Hexachlorobenzene
Concen: 53.038 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:284 Resp: 573318
Ion Ratio Lower Upper
284 100
142 36.4 27.1 40.7
249 31.5 25.1 37.7





#69

Atrazine

Concen: 64.099 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:200 Resp: 511372

Ion Ratio Lower Upper

200 100

173 26.3 6.4 46.4

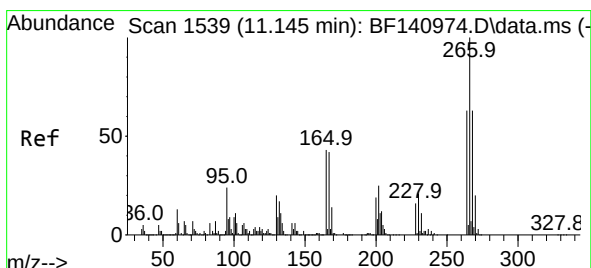
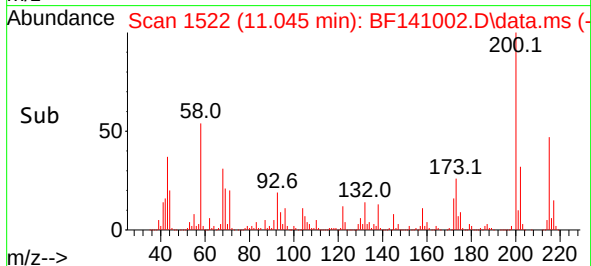
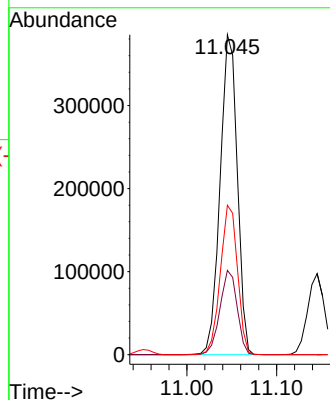
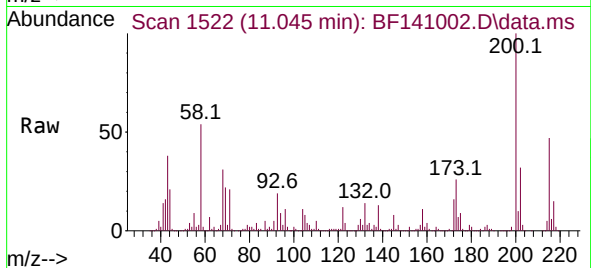
215 46.7 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#70

Pentachlorophenol

Concen: 101.741 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

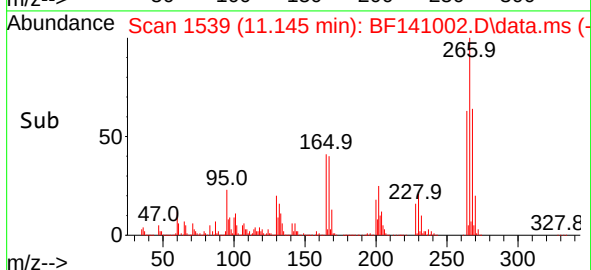
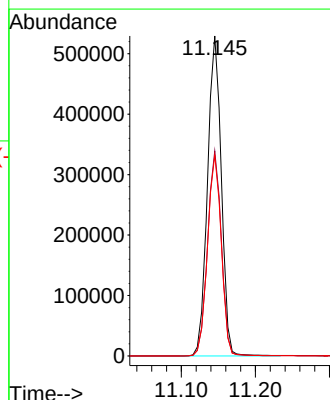
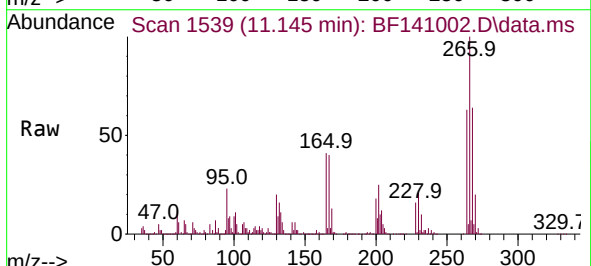
Tgt Ion:266 Resp: 684732

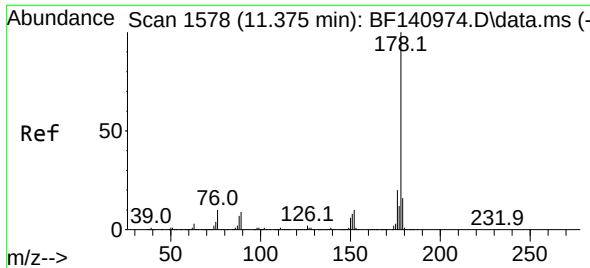
Ion Ratio Lower Upper

266 100

268 64.0 50.5 75.7

264 62.7 50.2 75.4





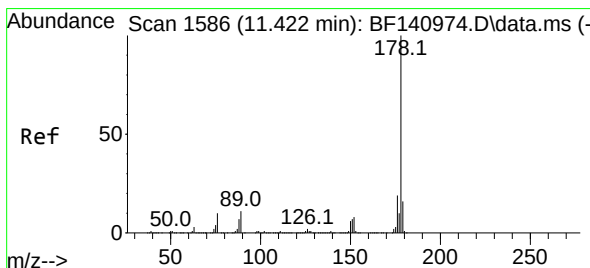
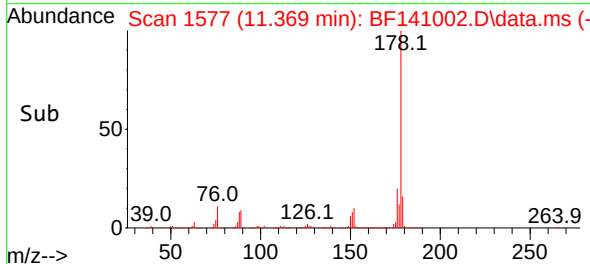
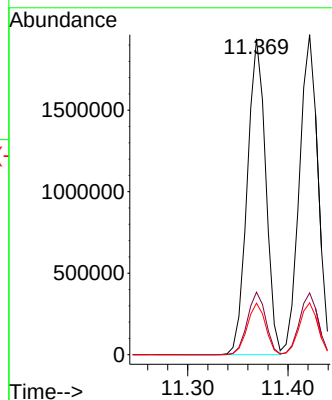
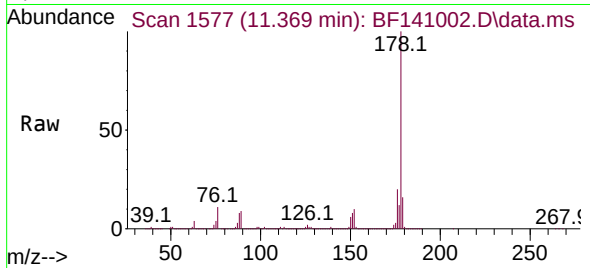
#71
Phenanthrene
Concen: 51.894 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:178 Resp: 2476825
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 16.3 12.6 19.0

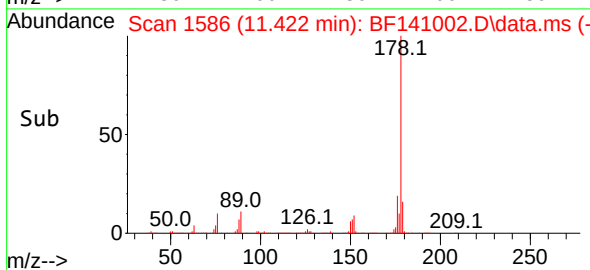
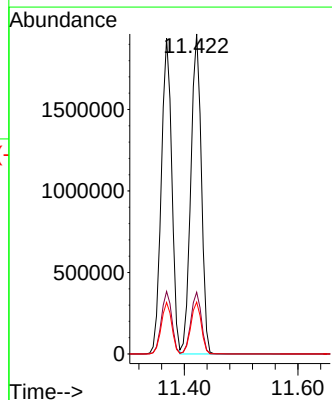
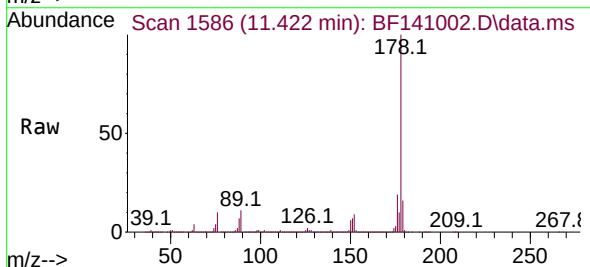
Manual Integrations
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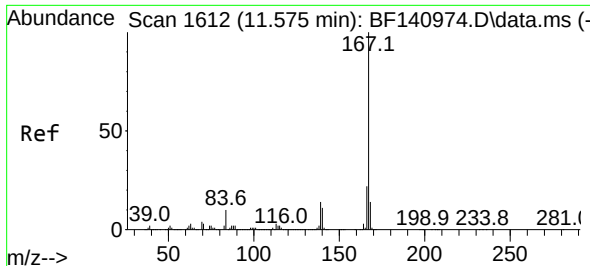
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#72
Anthracene
Concen: 53.821 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

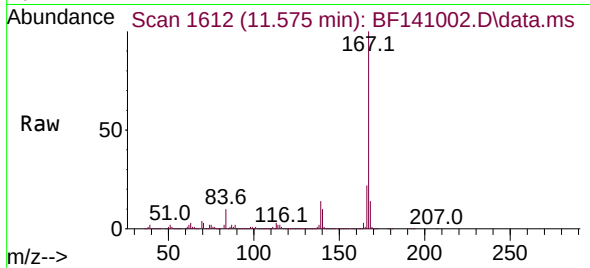
Tgt Ion:178 Resp: 2517077
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.2 12.9 19.3





#73
 Carbazole
 Concen: 46.264 ng
 RT: 11.575 min Scan# 1612
 Delta R.T. -0.000 min
 Lab File: BF141002.D
 Acq: 27 Dec 2024 17:46

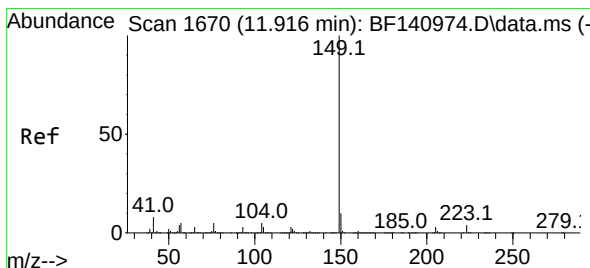
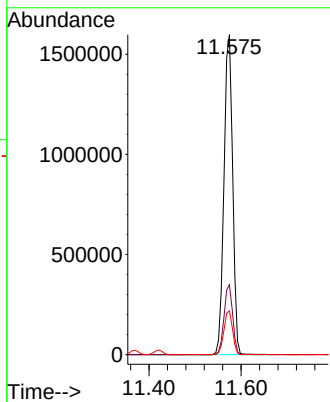
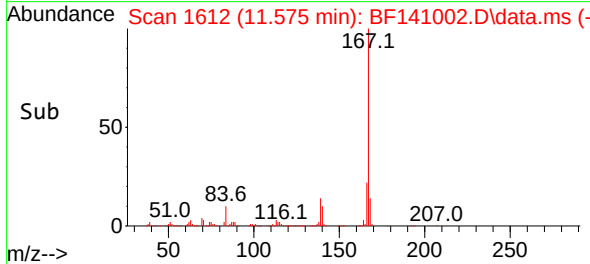
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MS



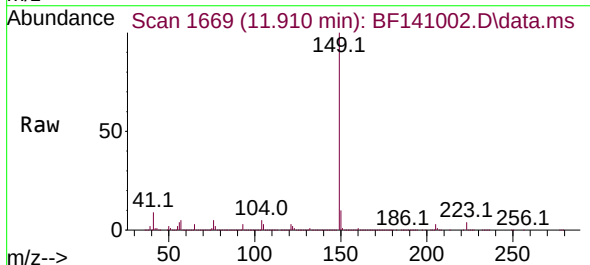
Tgt Ion:167 Resp: 2079994
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 13.7 11.0 16.4

Manual Integrations
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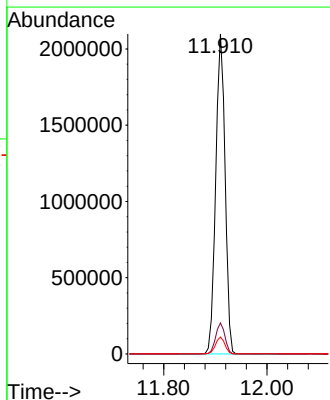
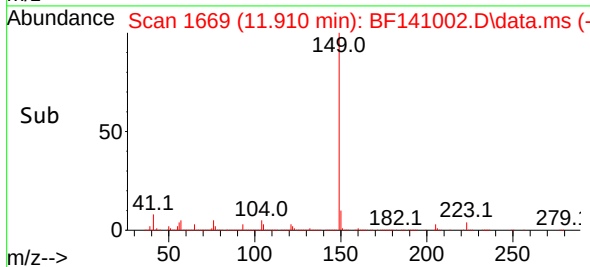
Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

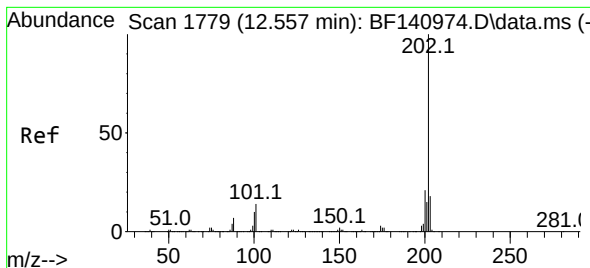


#74
 Di-n-butylphthalate
 Concen: 51.469 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.006 min
 Lab File: BF141002.D
 Acq: 27 Dec 2024 17:46



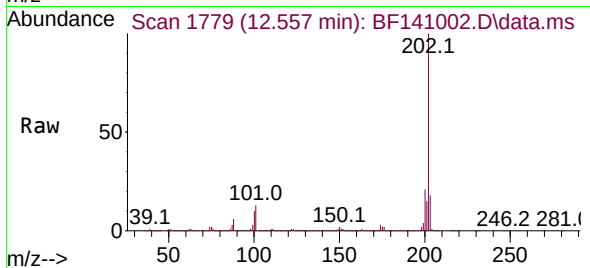
Tgt Ion:149 Resp: 2631937
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.7 11.5
 104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 44.093 ng
RT: 12.557 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

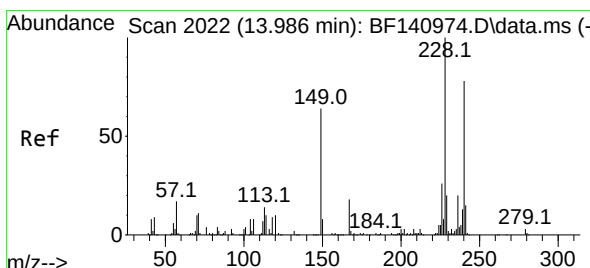
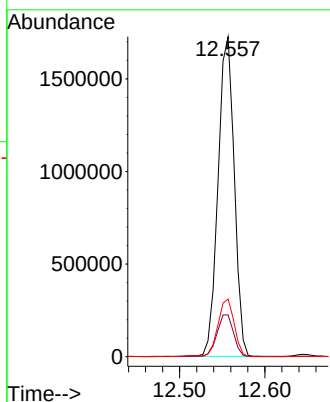
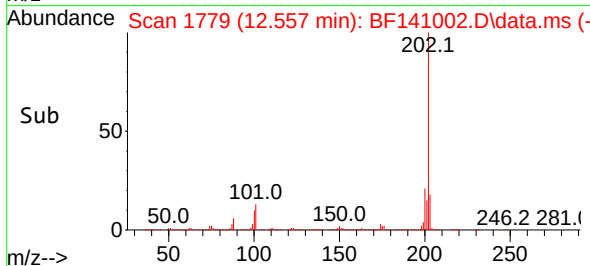
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:202 Resp: 2282428
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.7
203 18.0 0.0 38.1

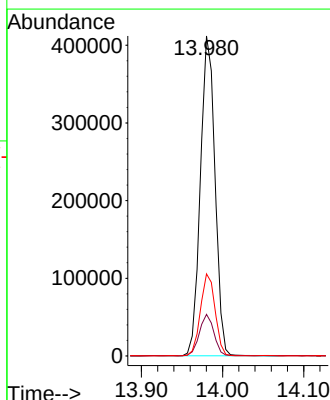
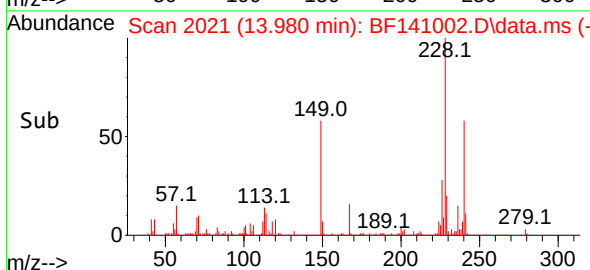
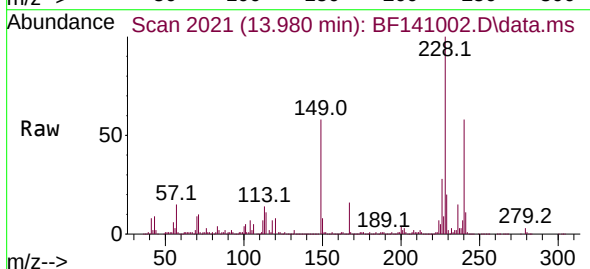
Manual Integrations
APPROVED

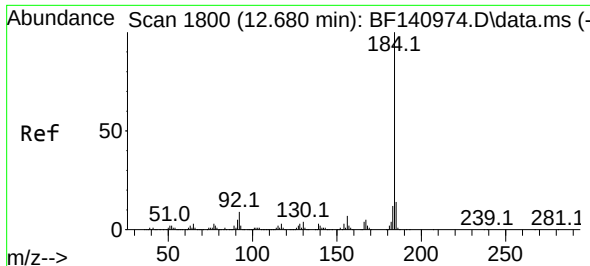
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

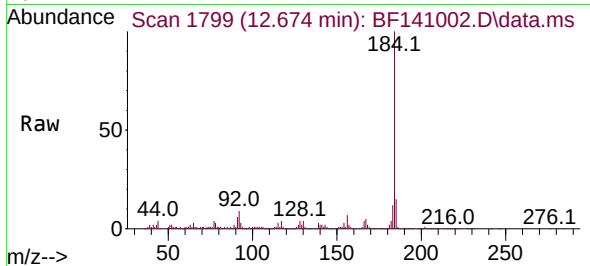
Tgt Ion:240 Resp: 514884
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 25.7 20.6 31.0





#77
Benzidine
Concen: 24.438 ng
RT: 12.674 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

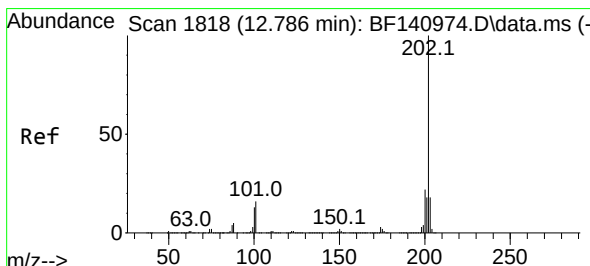
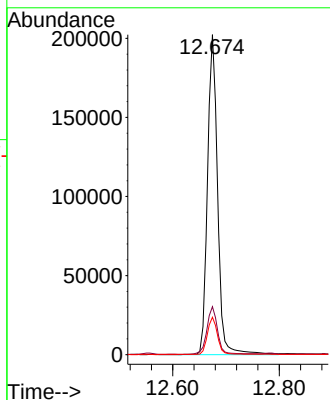
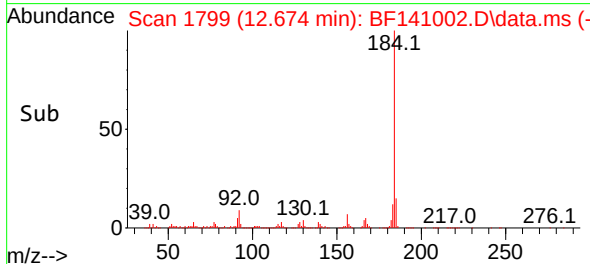
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:184 Resp: 265929
Ion Ratio Lower Upper
184 100
185 15.0 11.4 17.2
183 11.7 9.4 14.0

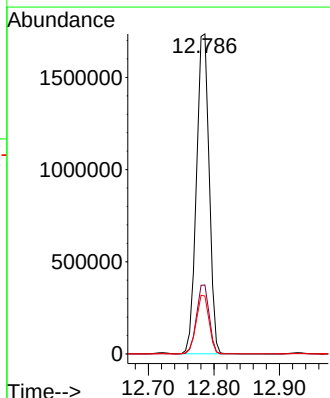
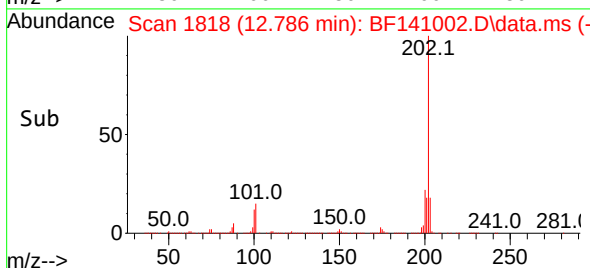
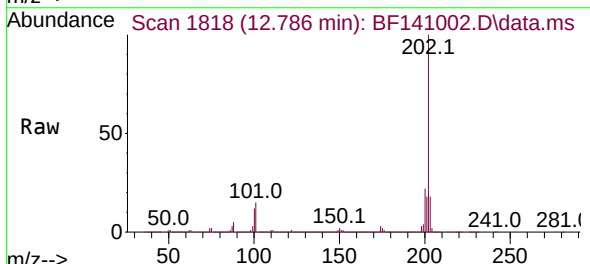
Manual Integrations
APPROVED

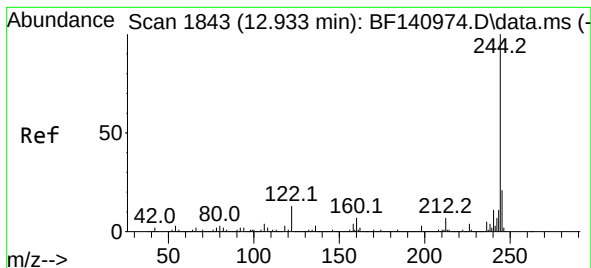
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#78
Pyrene
Concen: 51.979 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:202 Resp: 2340656
Ion Ratio Lower Upper
202 100
200 21.6 17.3 25.9
203 18.1 14.6 21.8





#79

Terphenyl-d14

Concen: 74.274 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:244 Resp: 2302390

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

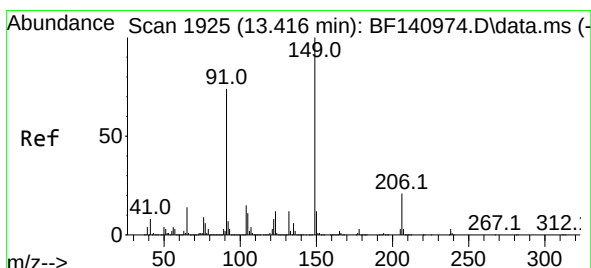
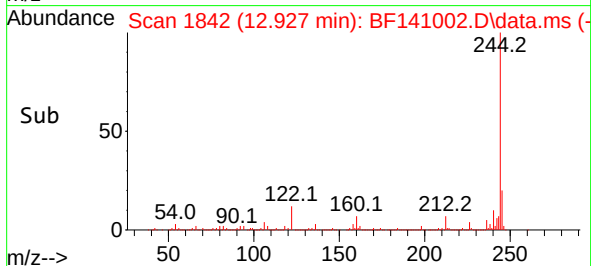
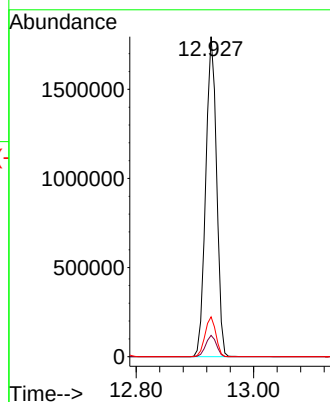
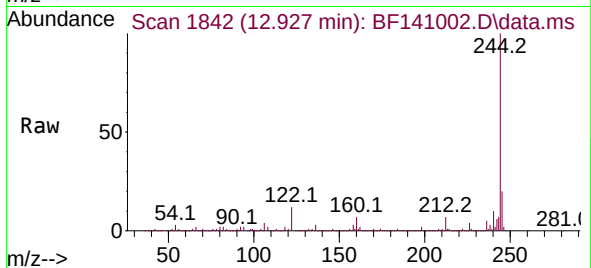
122 12.4 10.2 15.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#80

Butylbenzylphthalate

Concen: 52.754 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

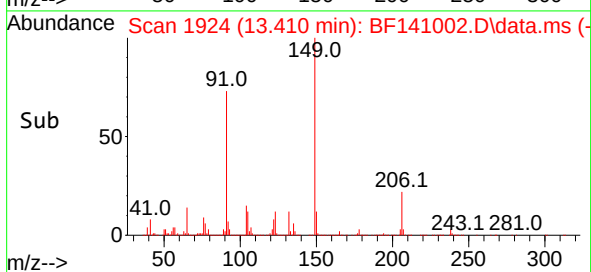
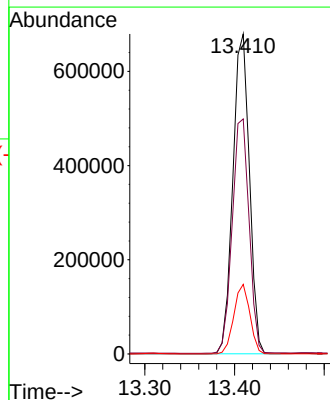
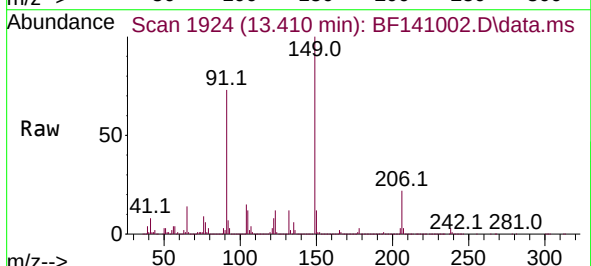
Tgt Ion:149 Resp: 867445

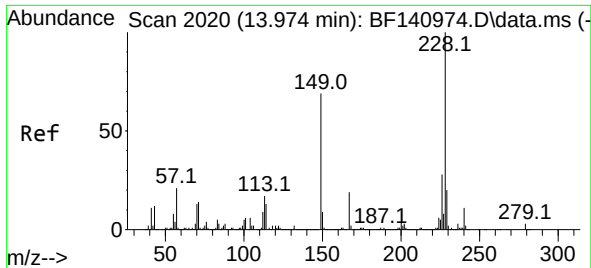
Ion Ratio Lower Upper

149 100

91 73.5 59.5 89.3

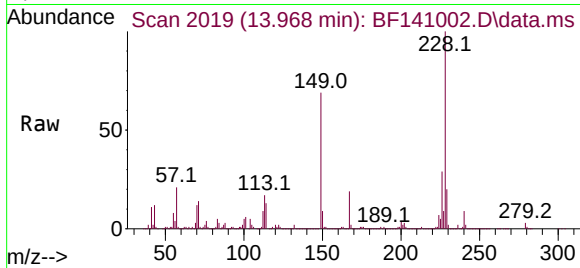
206 21.7 17.1 25.7





#81
Benzo(a)anthracene
Concen: 48.147 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

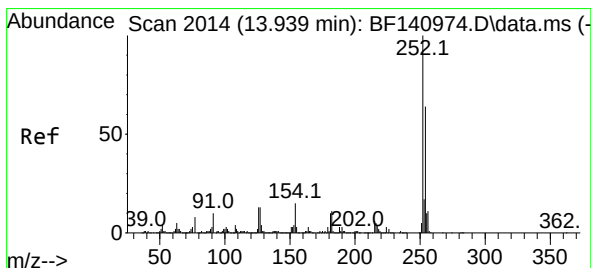
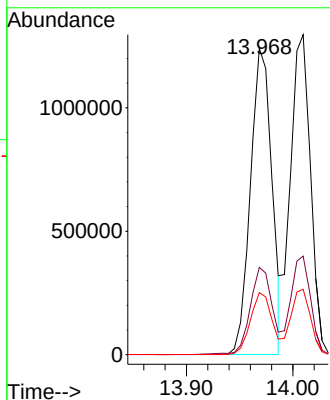
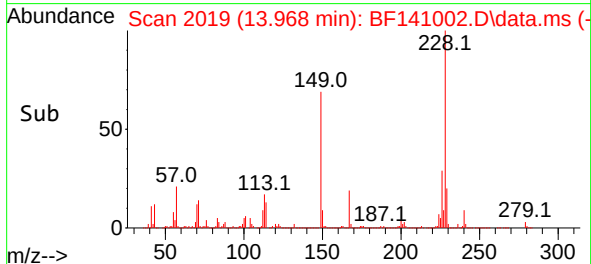
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



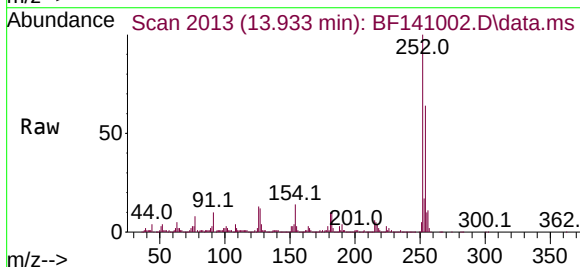
Tgt Ion:228 Resp: 1727711
Ion Ratio Lower Upper
228 100
226 28.5 22.1 33.1
229 20.3 16.2 24.2

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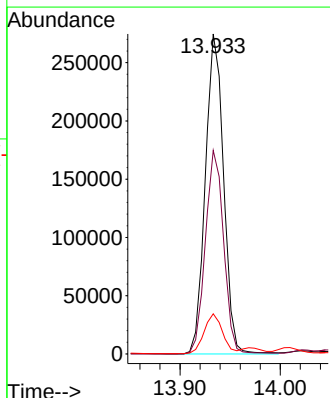
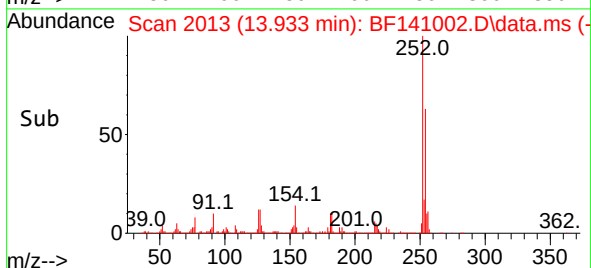
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

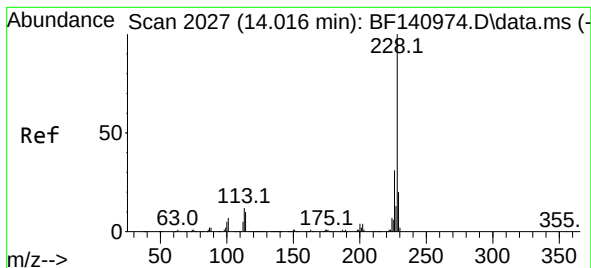


#82
3,3'-Dichlorobenzidine
Concen: 32.337 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46



Tgt Ion:252 Resp: 348638
Ion Ratio Lower Upper
252 100
254 63.6 51.5 77.3
126 12.6 10.3 15.5





#83

Chrysene

Concen: 52.241 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:228 Resp: 168992

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

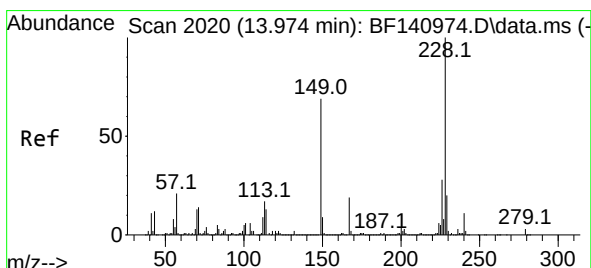
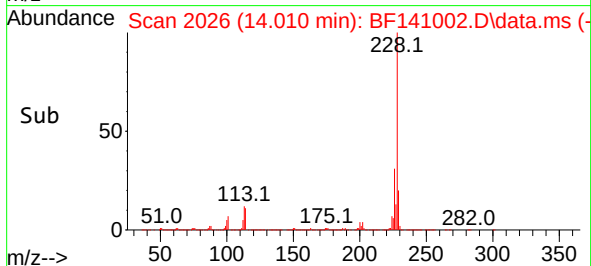
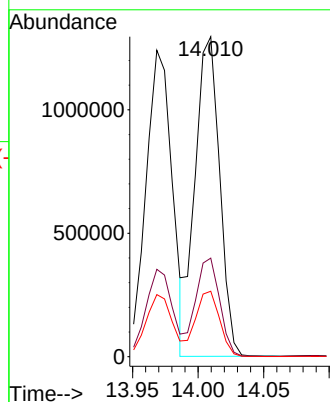
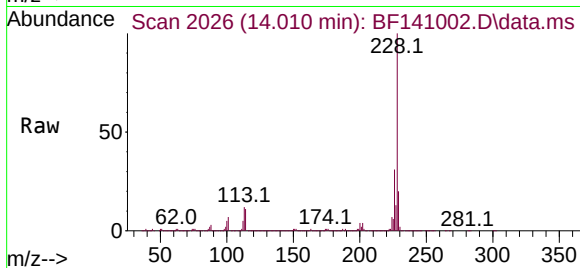
229 20.4 16.2 24.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.736 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

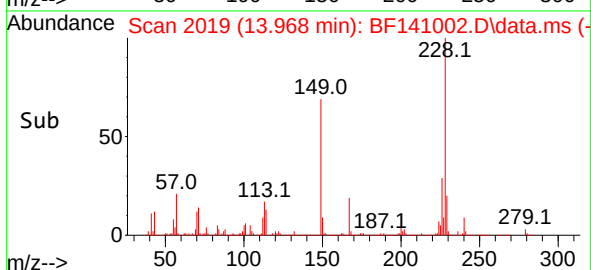
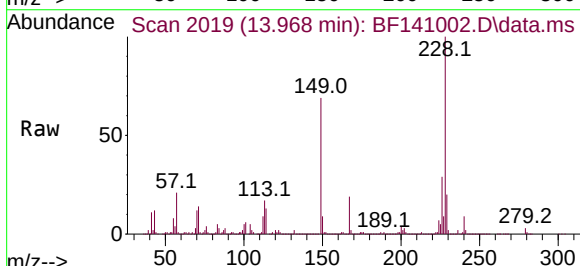
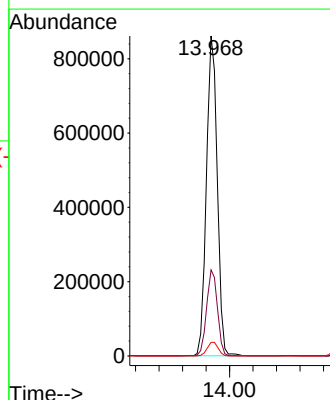
Tgt Ion:149 Resp: 1103487

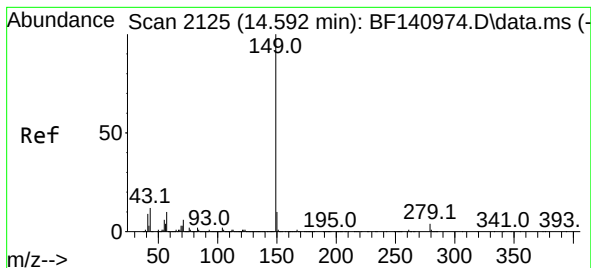
Ion Ratio Lower Upper

149 100

167 26.9 21.6 32.4

279 4.3 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 60.453 ng

RT: 14.586 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MS

Tgt Ion:149 Resp: 186620

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

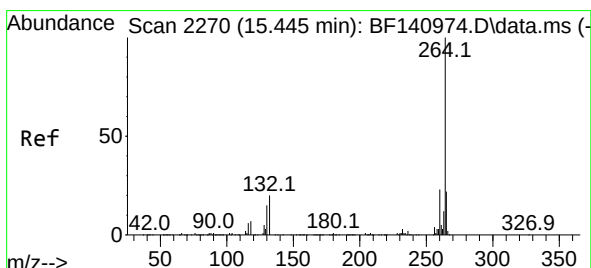
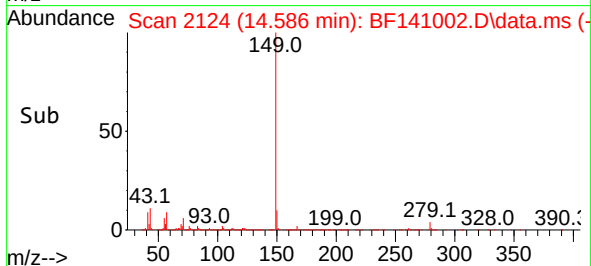
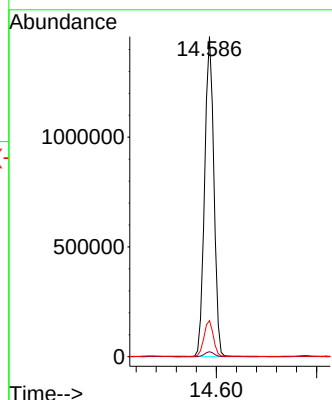
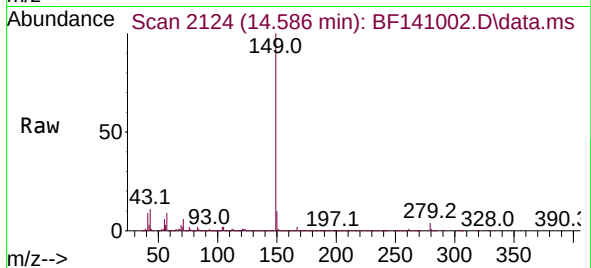
43 11.2 9.3 13.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.012 min

Lab File: BF141002.D

Acq: 27 Dec 2024 17:46

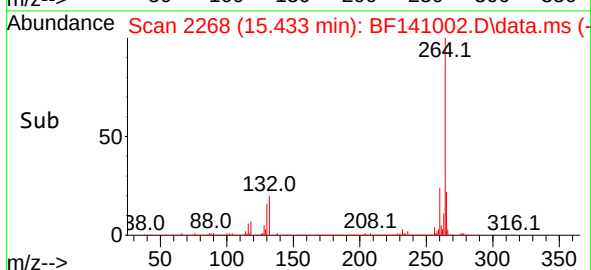
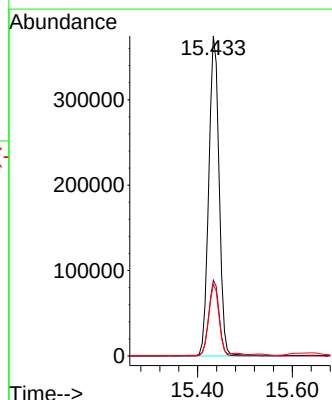
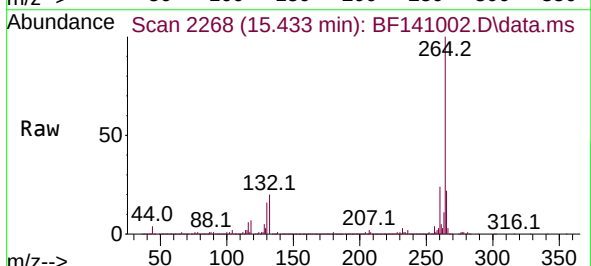
Tgt Ion:264 Resp: 567943

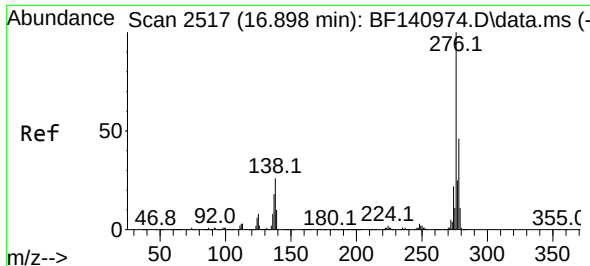
Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

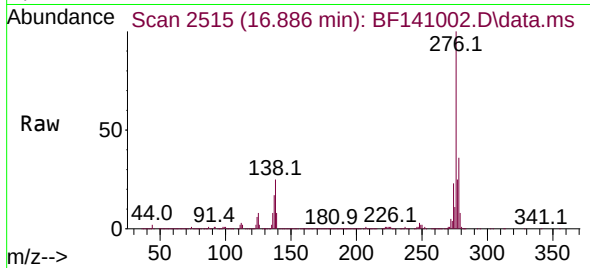
265 22.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.984 ng
RT: 16.886 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

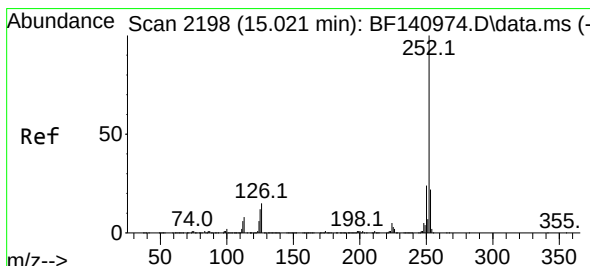
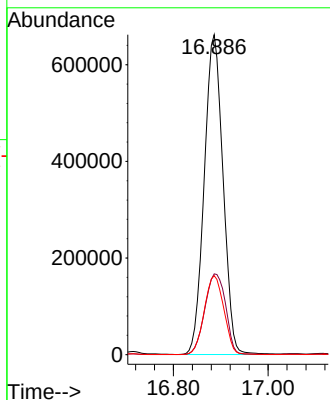
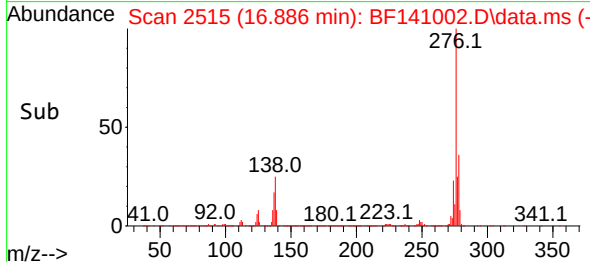
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:276 Resp: 1824299
Ion Ratio Lower Upper
276 100
138 28.0 23.1 34.7
277 25.7 20.4 30.6

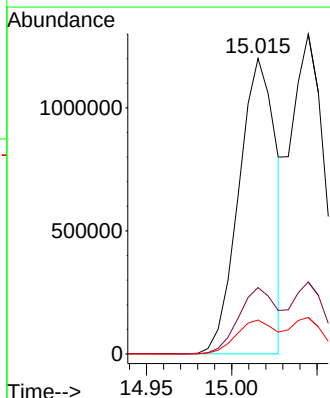
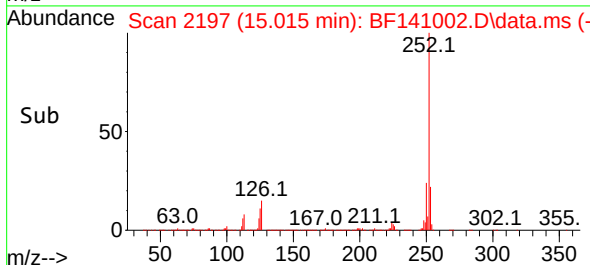
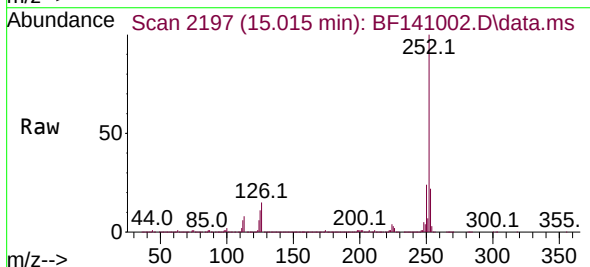
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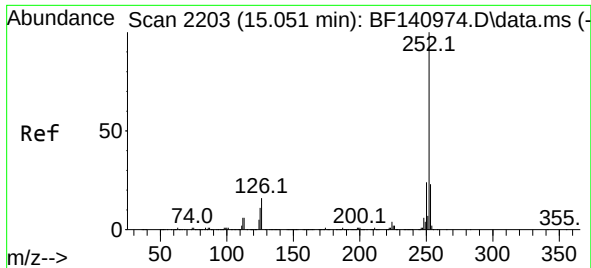
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#88
Benzo(b)fluoranthene
Concen: 45.749 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

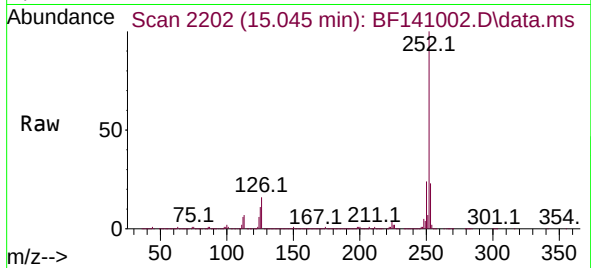
Tgt Ion:252 Resp: 1812141
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.5 9.3 13.9





#89
Benzo(k)fluoranthene
Concen: 57.693 ng m
RT: 15.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

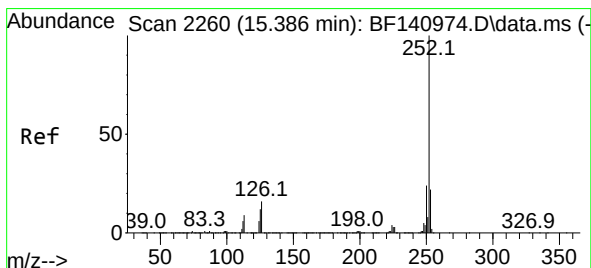
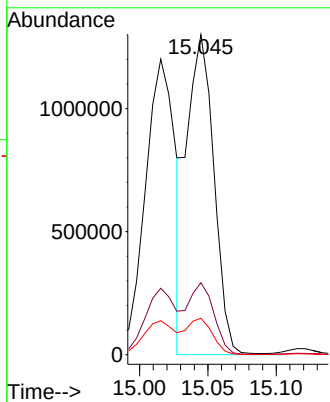
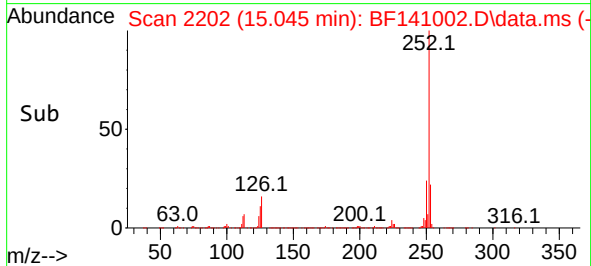
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:252 Resp: 179111
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 11.4 9.4 14.0

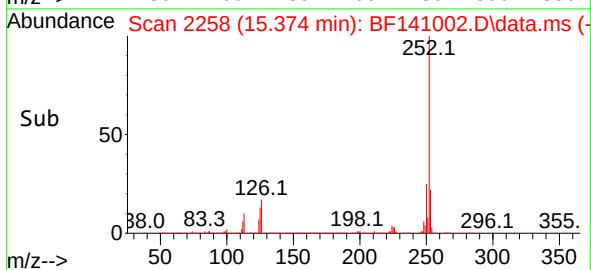
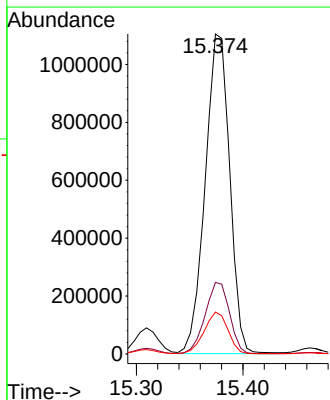
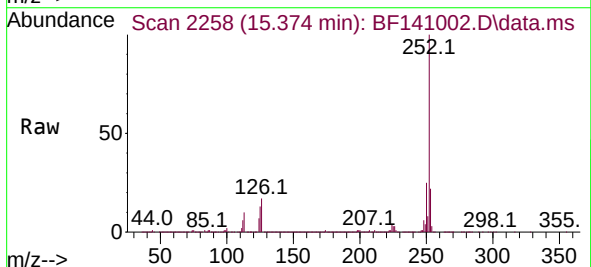
Manual Integrations
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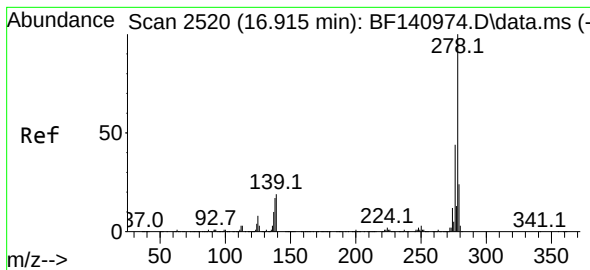
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#90
Benzo(a)pyrene
Concen: 57.473 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

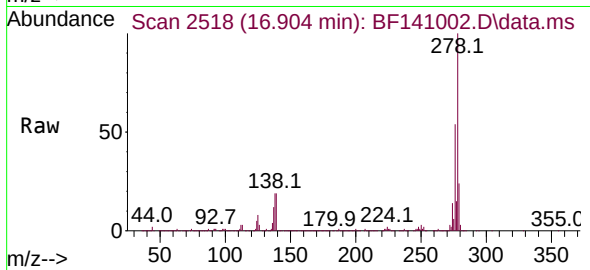
Tgt Ion:252 Resp: 1766988
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 13.1 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 49.318 ng
RT: 16.904 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

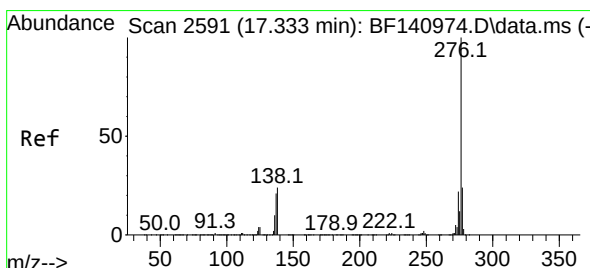
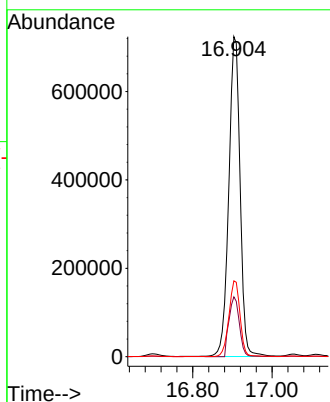
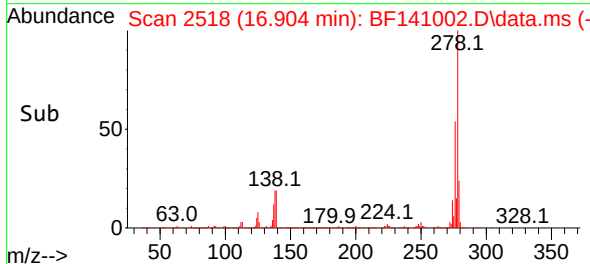
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS



Tgt Ion:278 Resp: 1430468
Ion Ratio Lower Upper
278 100
139 18.7 14.9 22.3
279 23.7 19.0 28.6

Manual Integrations
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 44.299 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:276 Resp: 1332683
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 24.3 19.4 29.2

