

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141003.D
 Acq On : 27 Dec 2024 18:13
 Operator : RC/JU
 Sample : P5362-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD

Quant Time: Dec 27 22:19:54 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	253419	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1023386	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	549521	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	894495	20.000	ng	0.00
76) Chrysene-d12	13.980	240	509383	20.000	ng	0.00
86) Perylene-d12	15.439	264	560831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1762750	104.851	ng	0.00
7) Phenol-d6	6.446	99	2266172	104.638	ng	0.00
23) Nitrobenzene-d5	7.387	82	1399957	87.520	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	633400	118.620	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2410818	69.897	ng	0.00
79) Terphenyl-d14	12.928	244	2226516	72.602	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	353386	46.429	ng	99
3) Pyridine	3.381	79	900503	48.412	ng	99
4) n-Nitrosodimethylamine	3.334	42	462579	49.082	ng	100
6) Aniline	6.487	93	622195	32.213	ng	100
8) 2-Chlorophenol	6.604	128	903555	50.976	ng	99
9) Benzaldehyde	6.369	77	199802	13.360	ng	99
10) Phenol	6.463	94	1149319	51.322	ng	100
11) bis(2-Chloroethyl)ether	6.563	93	837222	46.301	ng	98
12) 1,3-Dichlorobenzene	6.763	146	914719	46.761	ng	100
13) 1,4-Dichlorobenzene	6.840	146	921998	46.755	ng	100
14) 1,2-Dichlorobenzene	6.993	146	882236	47.984	ng	99
15) Benzyl Alcohol	6.963	79	793572	50.991	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	1356908	49.621	ng	99
17) 2-Methylphenol	7.075	107	735228	49.929	ng	100
18) Hexachloroethane	7.340	117	335171	47.847	ng	99
19) n-Nitroso-di-n-propyla...	7.240	70	643021	48.464	ng	100
20) 3+4-Methylphenols	7.228	107	914603	49.081	ng	# 85
22) Acetophenone	7.234	105	1179481	46.982	ng	97
24) Nitrobenzene	7.404	77	951609	53.241	ng	98
25) Isophorone	7.646	82	1711648	49.174	ng	99
26) 2-Nitrophenol	7.722	139	445336	59.384	ng	99
27) 2,4-Dimethylphenol	7.757	122	735156	57.790	ng	100
28) bis(2-Chloroethoxy)met...	7.857	93	1044883	47.379	ng	100
29) 2,4-Dichlorophenol	7.957	162	736390	51.040	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	743744	45.545	ng	99
31) Naphthalene	8.128	128	2522801	46.782	ng	100
32) Benzoic acid	7.869	122	572879	53.645	ng	99
33) 4-Chloroaniline	8.169	127	219803	11.267	ng	99
34) Hexachlorobutadiene	8.245	225	442655	45.981	ng	100
35) Caprolactam	8.540	113	250065m	50.983	ng	
36) 4-Chloro-3-methylphenol	8.651	107	796410	49.705	ng	100
37) 2-Methylnaphthalene	8.816	142	1663200	48.211	ng	99
38) 1-Methylnaphthalene	8.916	142	1551904	45.773	ng	99
40) 1,2,4,5-Tetrachloroben...	8.981	216	731418	48.381	ng	99
41) Hexachlorocyclopentadiene	8.969	237	615661	122.888	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	529893	52.664	ng	100

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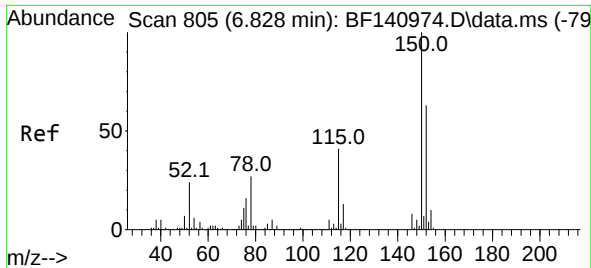
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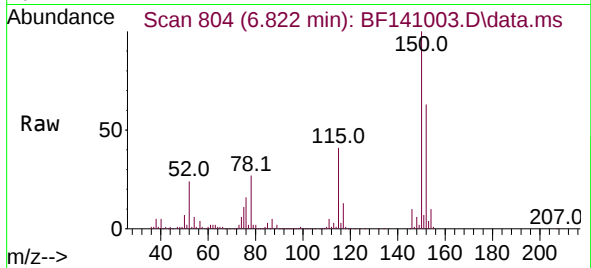
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	522273	50.730	ng	99
46) 1,1'-Biphenyl	9.281	154	2015832	47.909	ng	99
47) 2-Chloronaphthalene	9.304	162	1518070	46.519	ng	100
48) 2-Nitroaniline	9.398	65	496364	57.161	ng	96
49) Acenaphthylene	9.722	152	2387914	50.831	ng	100
50) Dimethylphthalate	9.587	163	1812430	50.142	ng	100
51) 2,6-Dinitrotoluene	9.640	165	406083	54.549	ng	99
52) Acenaphthene	9.892	154	1661885	52.328	ng	100
53) 3-Nitroaniline	9.804	138	210393	27.725	ng	# 95
54) 2,4-Dinitrophenol	9.910	184	310318	96.498	ng	# 1
55) Dibenzofuran	10.063	168	2181754	48.883	ng	100
56) 4-Nitrophenol	9.963	139	657289	106.306	ng	97
57) 2,4-Dinitrotoluene	10.045	165	530670	57.815	ng	97
58) Fluorene	10.410	166	1632155	47.158	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	451490	52.952	ng	99
60) Diethylphthalate	10.287	149	1746446	48.942	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	789415	47.402	ng	99
62) 4-Nitroaniline	10.422	138	366875	45.963	ng	94
63) Azobenzene	10.563	77	2025418	54.076	ng	95
65) 4,6-Dinitro-2-methylph...	10.451	198	221042	59.257	ng	93
66) n-Nitrosodiphenylamine	10.522	169	1483931	52.682	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	521314	53.912	ng	97
68) Hexachlorobenzene	10.951	284	556990	52.239	ng	98
69) Atrazine	11.045	200	499952	63.534	ng	99
70) Pentachlorophenol	11.145	266	665427	100.239	ng	100
71) Phenanthrene	11.369	178	2425244	51.515	ng	100
72) Anthracene	11.422	178	2463235	53.397	ng	100
73) Carbazole	11.575	167	2018900	45.526	ng	100
74) Di-n-butylphthalate	11.910	149	2581274	51.176	ng	100
75) Fluoranthene	12.557	202	2224441	43.566	ng	99
77) Benzidine	12.675	184	295142	27.416	ng	99
78) Pyrene	12.786	202	2307667	51.800	ng	100
80) Butylbenzylphthalate	13.410	149	857483	52.712	ng	99
81) Benzo(a)anthracene	13.969	228	1787977	50.364	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	343860	32.238	ng	100
83) Chrysene	14.010	228	1567315	48.974	ng	100
84) Bis(2-ethylhexyl)phtha...	13.969	149	1087121	51.520	ng	99
85) Di-n-octyl phthalate	14.586	149	1820294	59.602	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	1680164	47.551	ng	99
88) Benzo(b)fluoranthene	15.016	252	1928344	49.300	ng	100
89) Benzo(k)fluoranthene	15.045	252	1560739	50.910	ng	100
90) Benzo(a)pyrene	15.380	252	1673025	55.106	ng	99
91) Dibenzo(a,h)anthracene	16.910	278	1330281	46.445	ng	99
92) Benzo(g,h,i)perylene	17.321	276	1240443	41.756	ng	99

(#) = 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: BF141003.D
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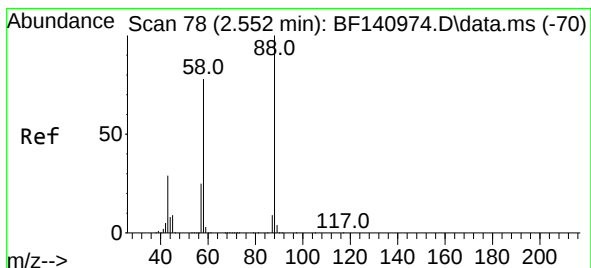
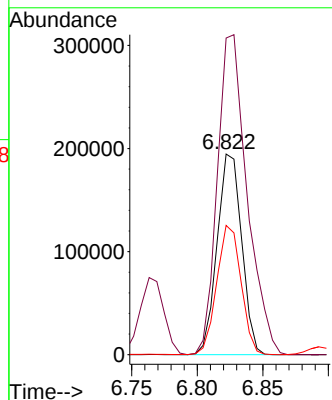
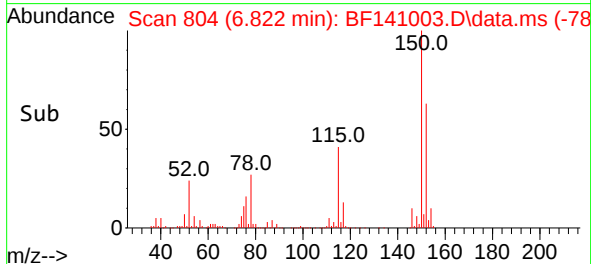
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:152 Resp: 253419
Ion Ratio Lower Upper
152 100
150 157.8 127.0 190.6
115 64.4 51.7 77.5

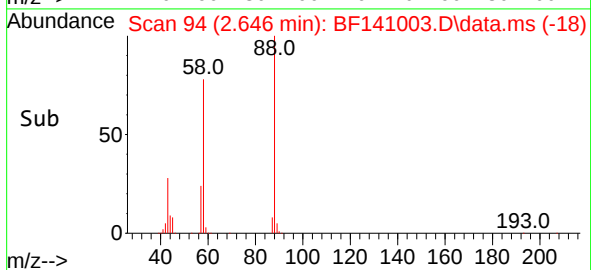
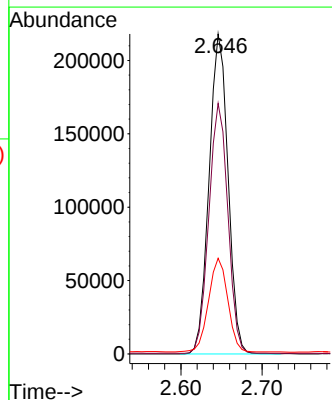
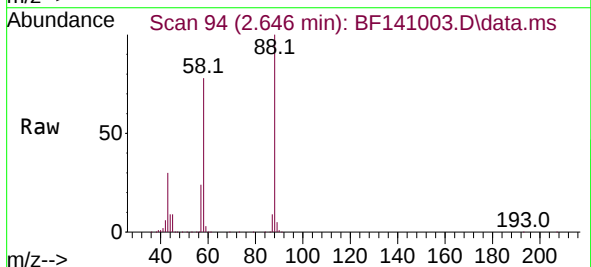
Manual Integrations
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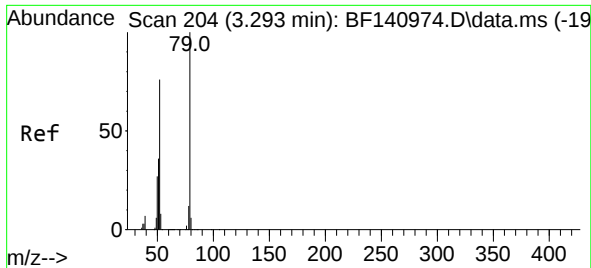
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#2
1,4-Dioxane
Concen: 46.429 ng
RT: 2.646 min Scan# 94
Delta R.T. 0.094 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

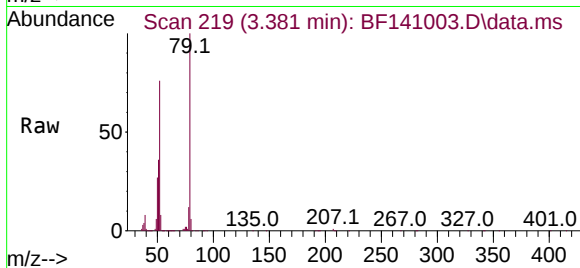
Tgt Ion: 88 Resp: 353386
Ion Ratio Lower Upper
88 100
58 78.3 63.0 94.4
43 30.0 23.4 35.2





#3
Pyridine
Concen: 48.412 ng
RT: 3.381 min Scan# 211
Delta R.T. 0.088 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

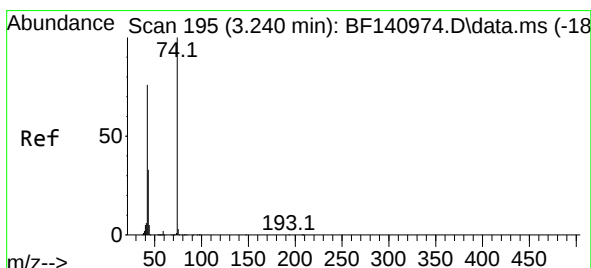
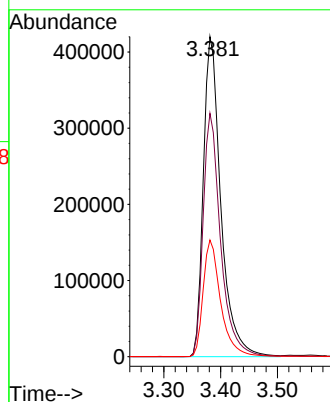
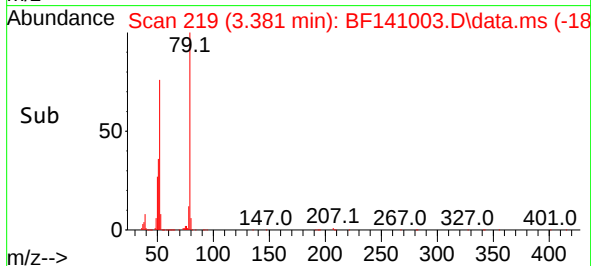
Instrument :
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Tgt Ion: 79 Resp: 90050
Ion Ratio Lower Upper
79 100
52 76.0 60.4 90.6
51 36.5 28.8 43.2

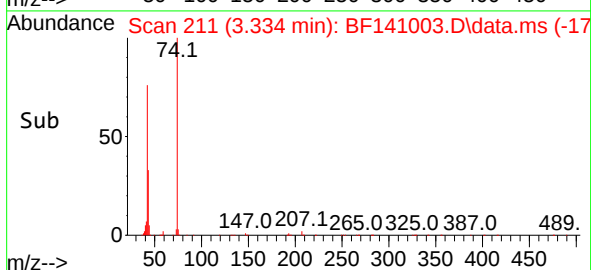
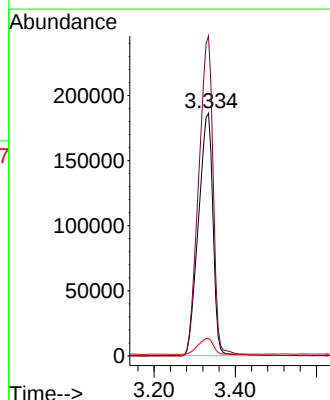
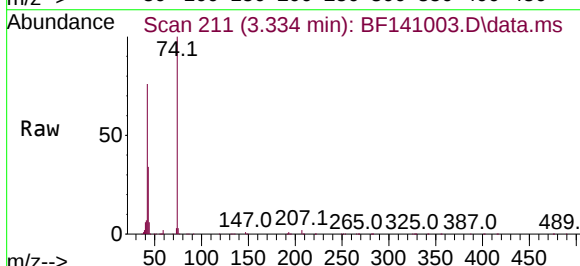
Manual Integrations
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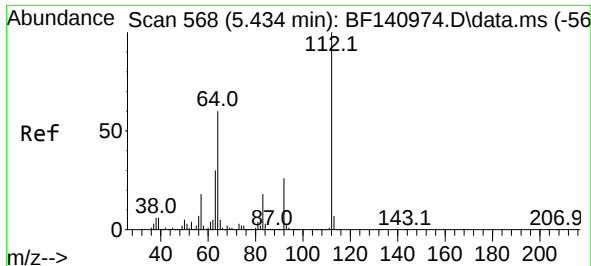
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#4
n-Nitrosodimethylamine
Concen: 49.082 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.094 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

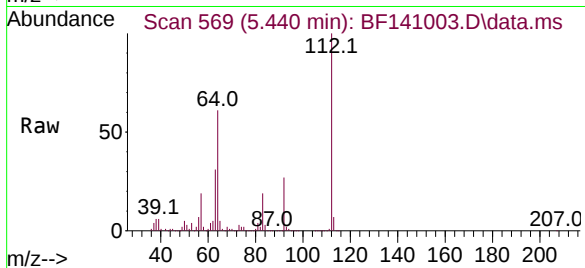
Tgt Ion: 42 Resp: 462579
Ion Ratio Lower Upper
42 100
74 131.9 105.8 158.6
44 7.3 6.6 10.0





#5
2-Fluorophenol
Concen: 104.851 ng
RT: 5.440 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

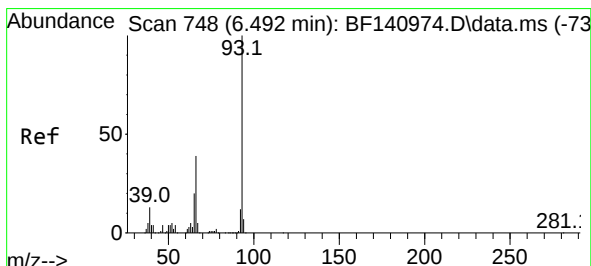
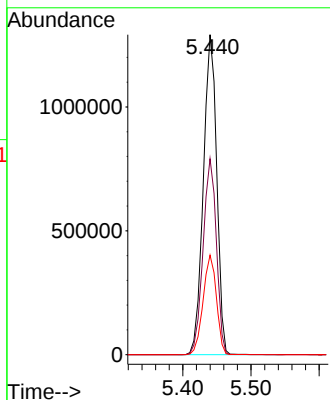
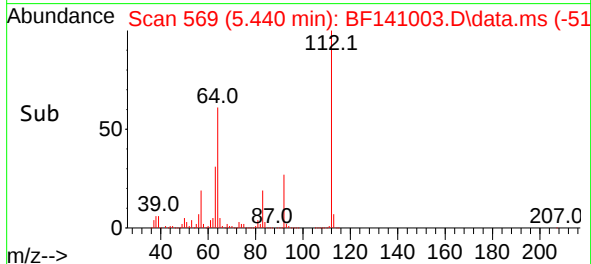
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Tgt Ion: 112 Resp: 1762750
Ion Ratio Lower Upper
112 100
64 61.3 47.7 71.5
63 31.1 24.2 36.2

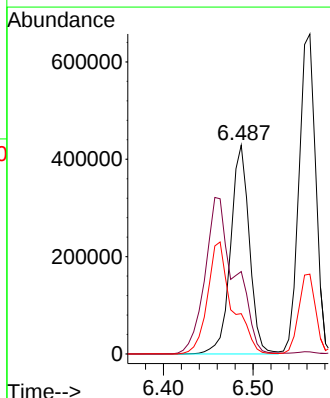
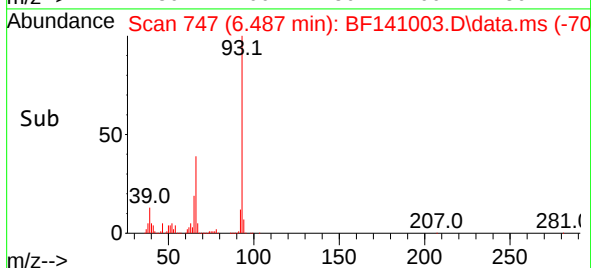
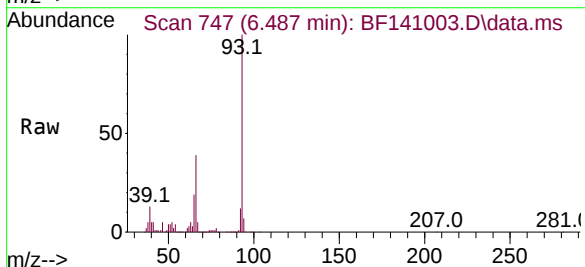
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#6
Aniline
Concen: 32.213 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.023 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

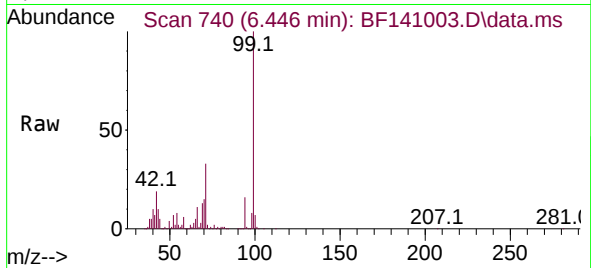
Tgt Ion: 93 Resp: 622195
Ion Ratio Lower Upper
93 100
66 39.5 31.8 47.8
65 19.3 15.4 23.0





#7
Phenol-d6
Concen: 104.638 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

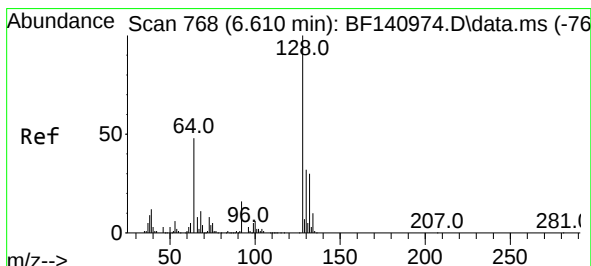
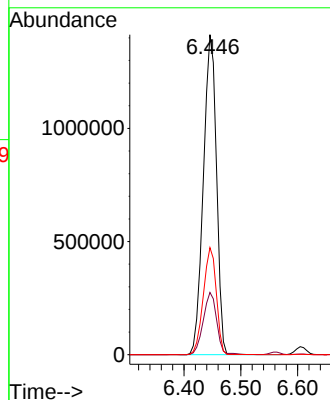
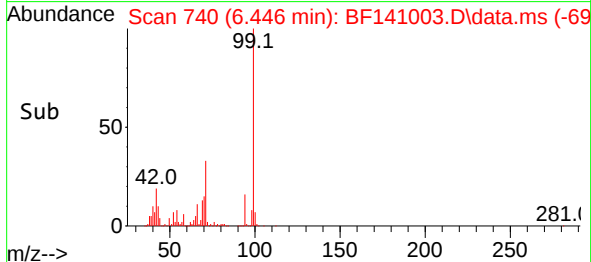
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Tgt Ion: 99 Resp: 226617
Ion Ratio Lower Upper
99 100
42 19.4 15.0 22.4
71 33.4 26.2 39.2

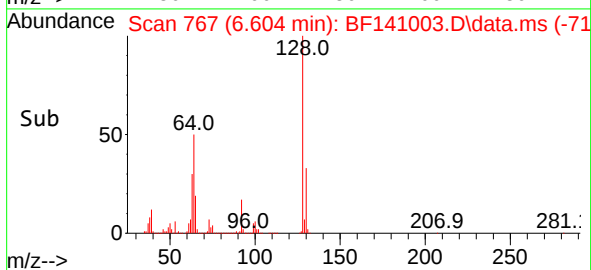
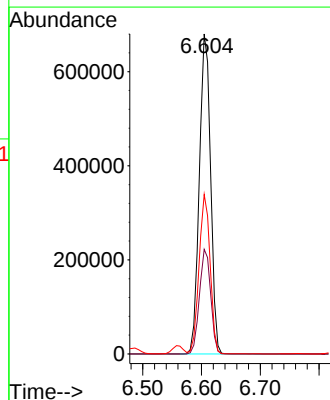
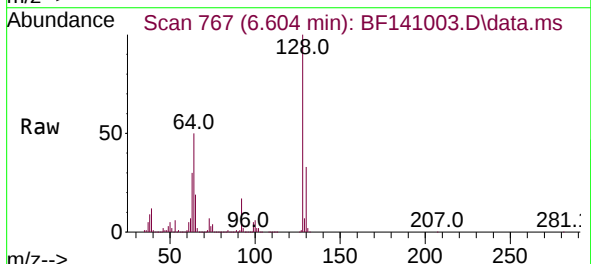
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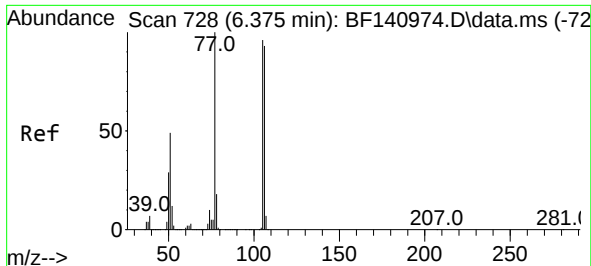
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#8
2-Chlorophenol
Concen: 50.976 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

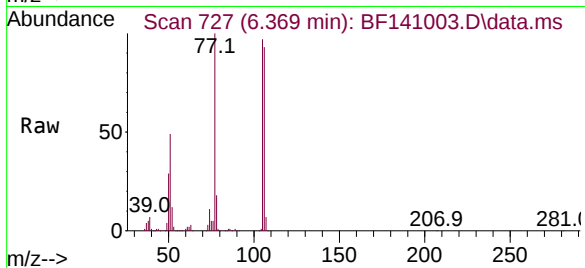
Tgt Ion:128 Resp: 903555
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 49.8 30.3 70.3





#9
Benzaldehyde
Concen: 13.360 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

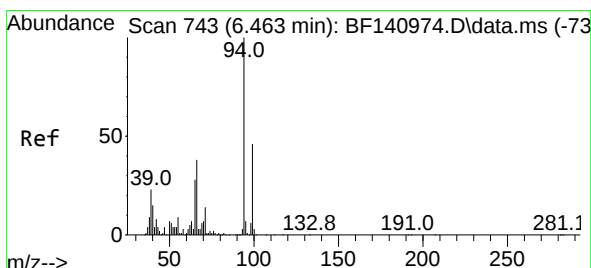
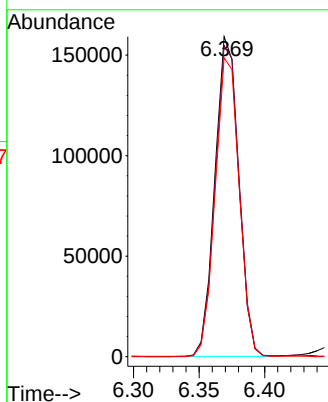
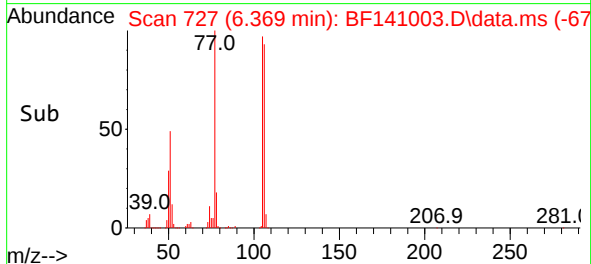
Instrument :
BNA_F
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WC-SOIL-20241219MSD



Tgt Ion: 77 Resp: 19980
Ion Ratio Lower Upper
77 100
105 97.3 76.2 116.2
106 93.4 73.4 113.4

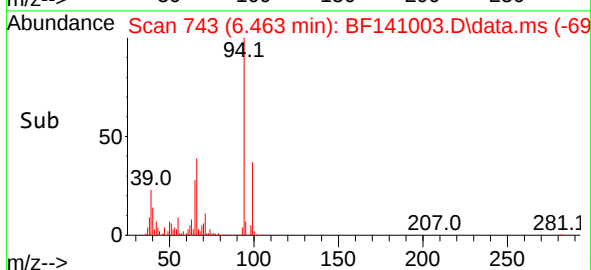
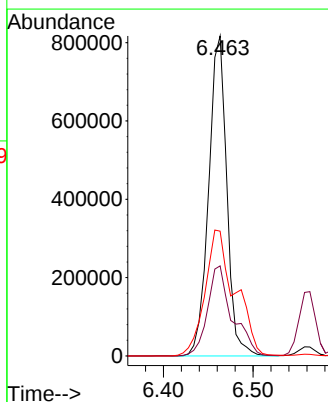
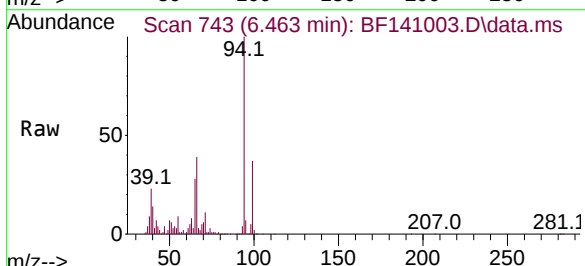
Manual Integrations
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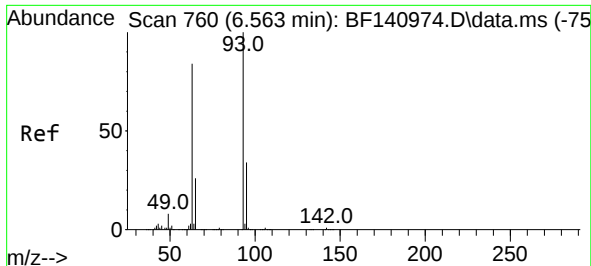
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#10
Phenol
Concen: 51.322 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

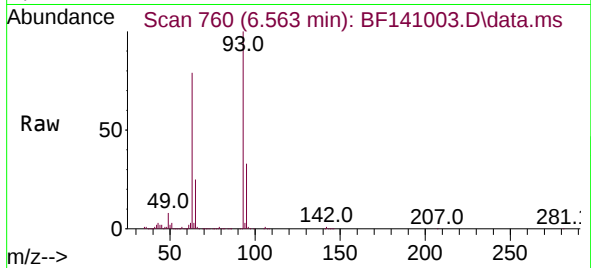
Tgt Ion: 94 Resp: 1149319
Ion Ratio Lower Upper
94 100
65 28.2 8.1 48.1
66 39.0 18.7 58.7





#11
bis(2-Chloroethyl)ether
Concen: 46.301 ng
RT: 6.563 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

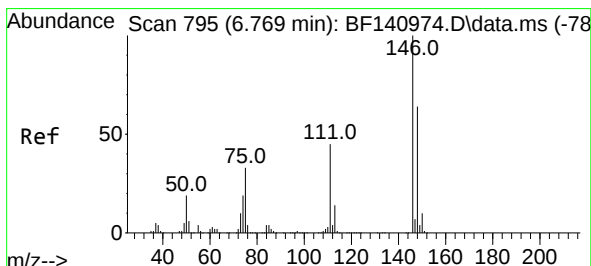
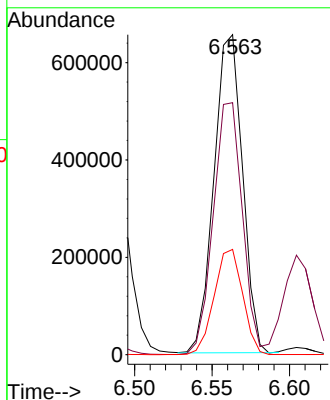
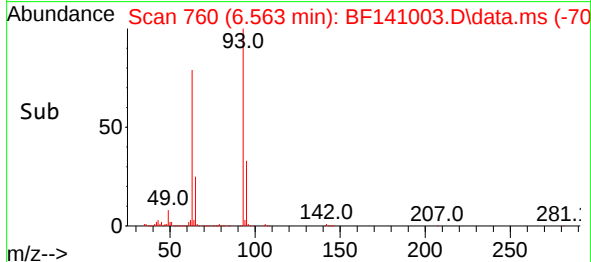
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



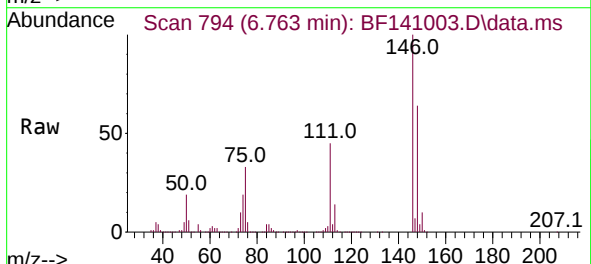
Tgt Ion: 93 Resp: 83722
Ion Ratio Lower Upper
93 100
63 78.8 60.3 100.3
95 32.9 12.2 52.2

Manual Integrations
APPROVED

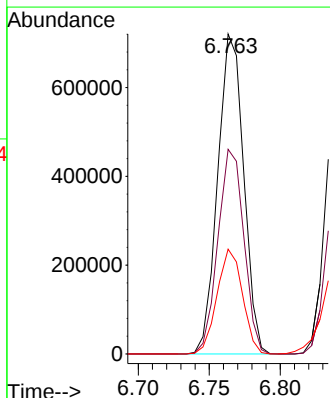
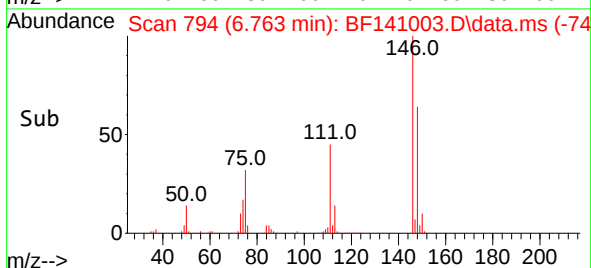
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

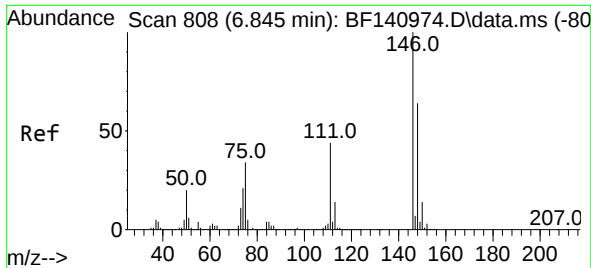


#12
1,3-Dichlorobenzene
Concen: 46.761 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



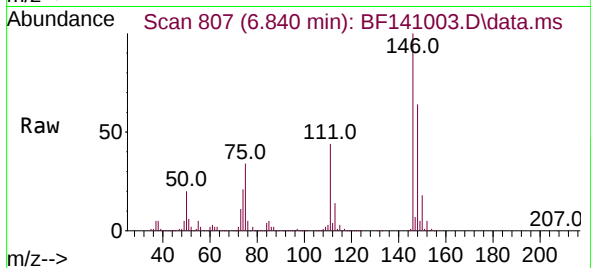
Tgt Ion:146 Resp: 914719
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.4
75 32.7 26.1 39.1





#13
1,4-Dichlorobenzene
Concen: 46.755 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

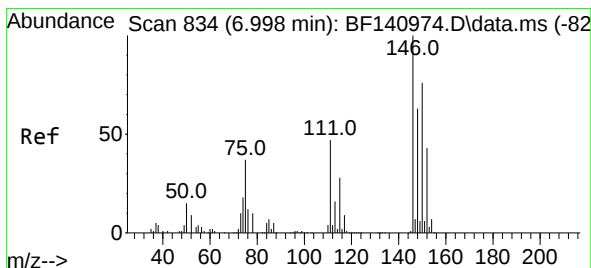
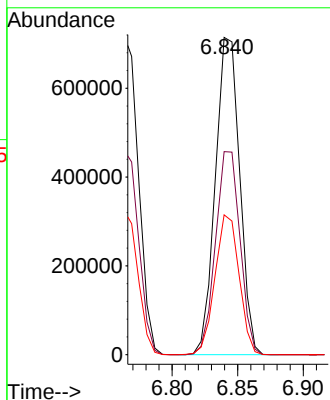
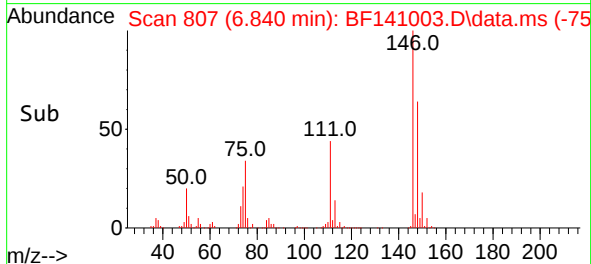
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:146 Resp: 921998
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
111 44.1 35.3 52.9

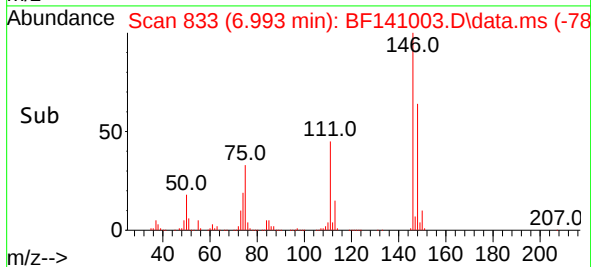
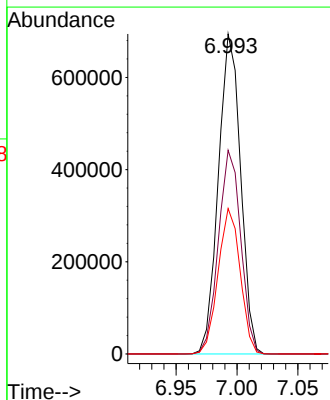
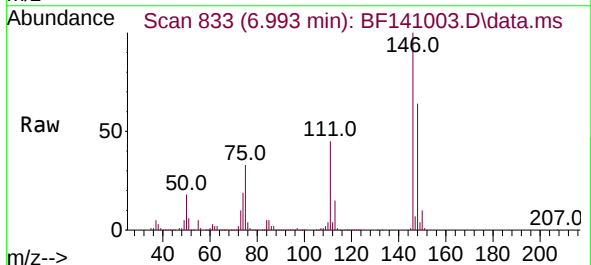
Manual Integrations
APPROVED

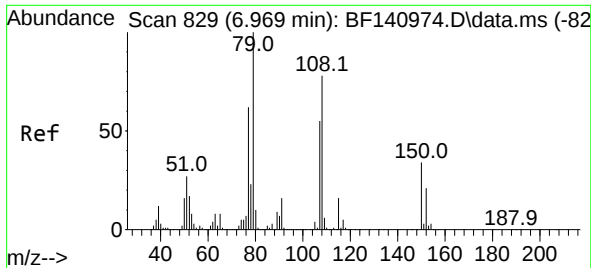
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#14
1,2-Dichlorobenzene
Concen: 47.984 ng
RT: 6.993 min Scan# 833
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:146 Resp: 882236
Ion Ratio Lower Upper
146 100
148 63.6 50.6 76.0
111 45.5 37.3 55.9





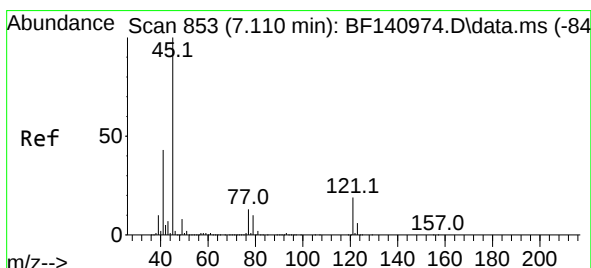
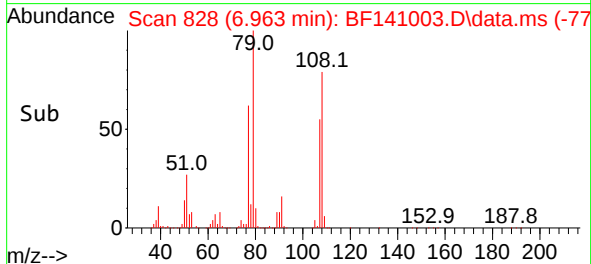
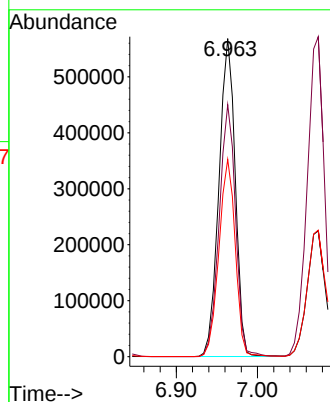
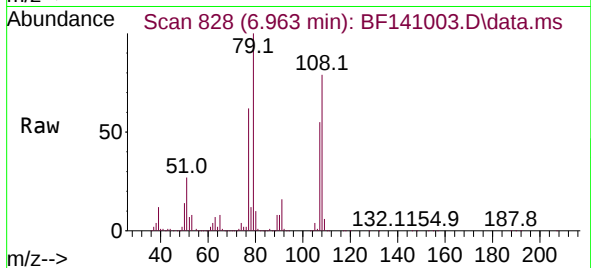
#15
Benzyl Alcohol
Concen: 50.991 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 79 Resp: 793572
Ion Ratio Lower Upper
79 100
108 79.2 62.5 93.7
77 62.0 49.3 73.9

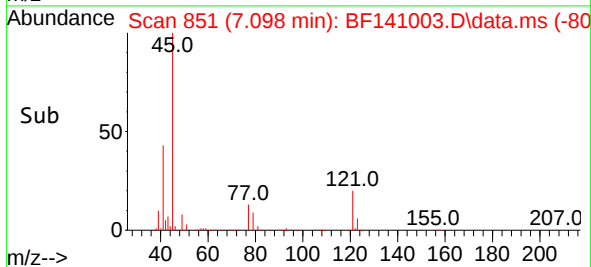
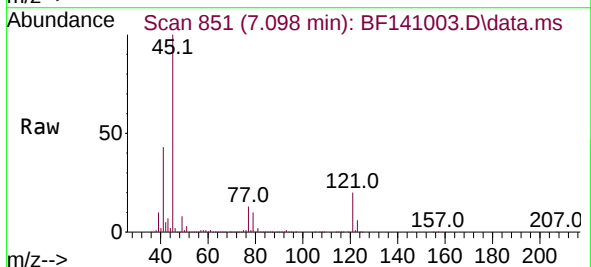
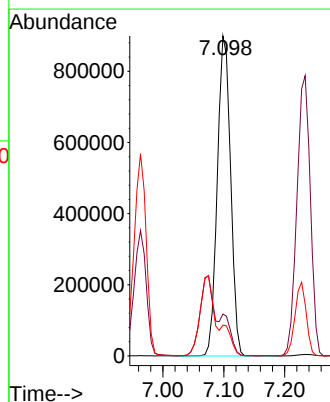
Manual Integrations
APPROVED

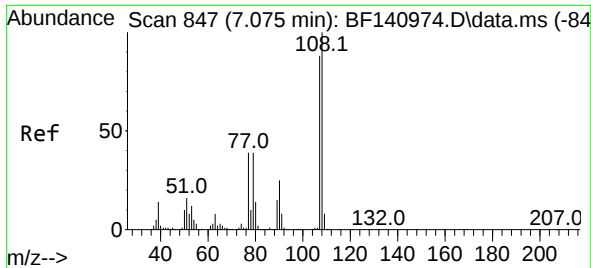
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.621 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

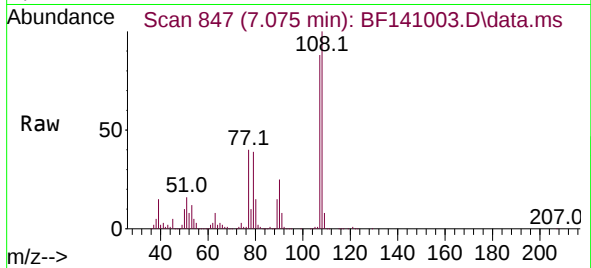
Tgt Ion: 45 Resp: 1356908
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.1
79 9.7 0.0 30.1





#17
2-Methylphenol
Concen: 49.929 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

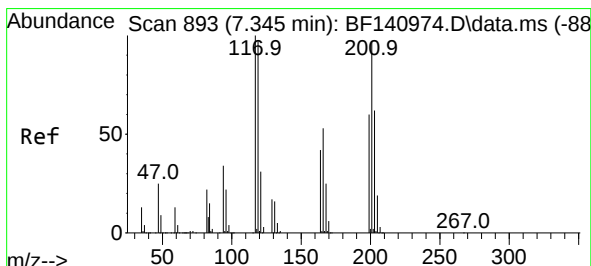
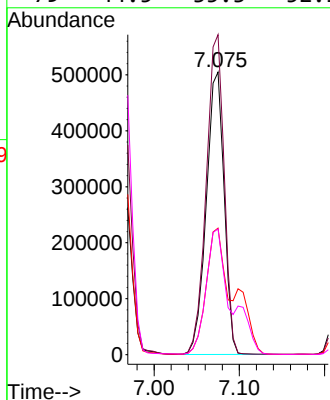
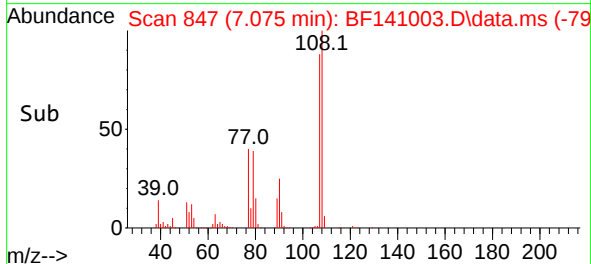
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:	107	Resp:	735228
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	136.0
77	44.8	35.3	52.9
79	44.5	35.3	52.9

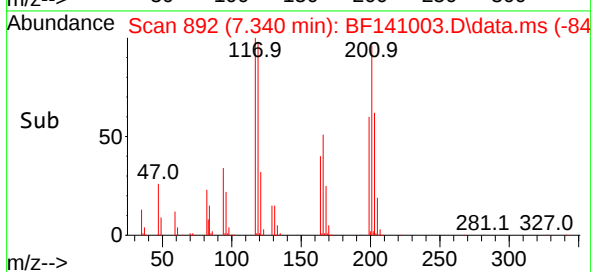
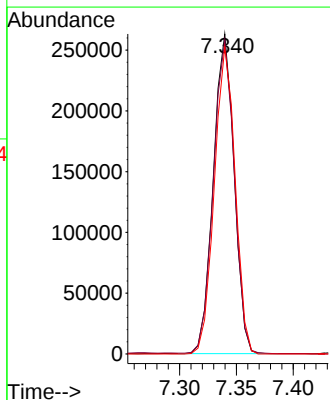
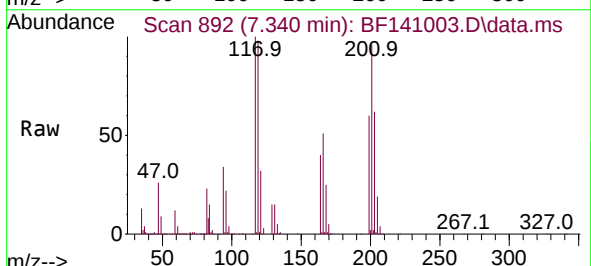
Manual Integrations
APPROVED

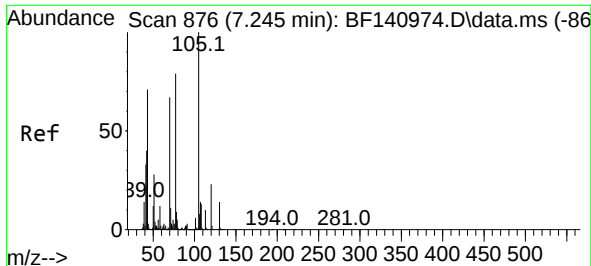
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#18
Hexachloroethane
Concen: 47.847 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

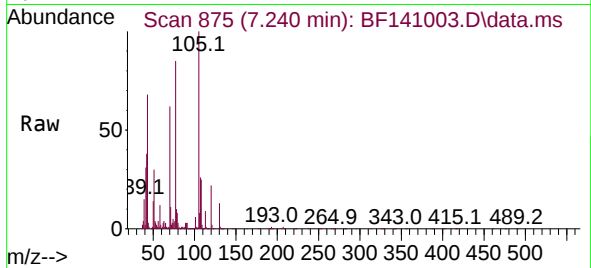
Tgt Ion:	117	Resp:	335171
Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.5	116.3
201	95.8	77.4	116.2





#19
n-Nitroso-di-n-propylamine
Concen: 48.464 ng
RT: 7.240 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

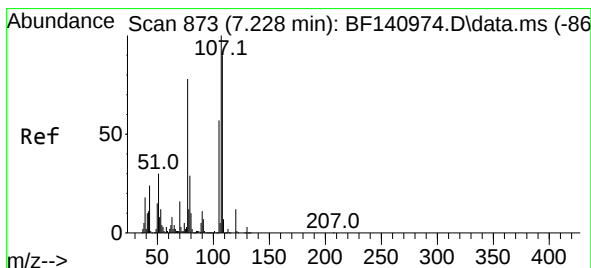
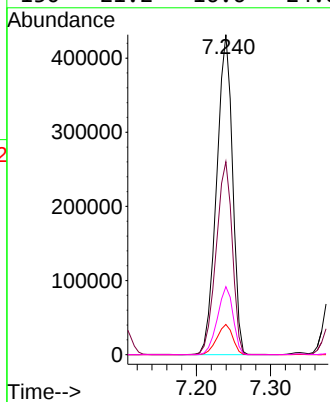
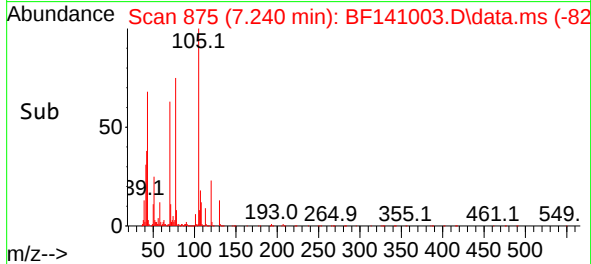
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



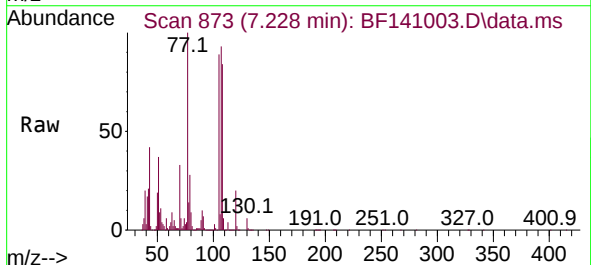
Tgt Ion: 70 Resp: 64302
Ion Ratio Lower Upper
70 100
42 60.3 48.1 72.1
101 9.5 7.6 11.4
130 21.2 16.6 24.8

Manual Integrations
APPROVED

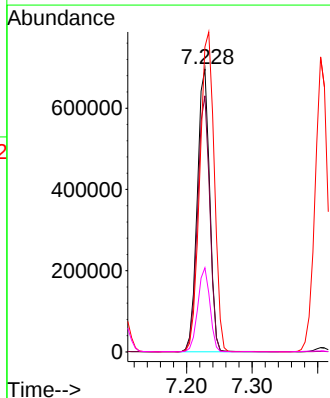
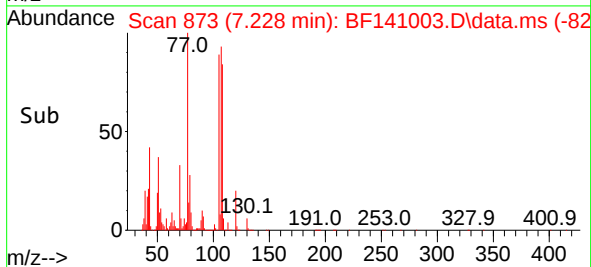
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

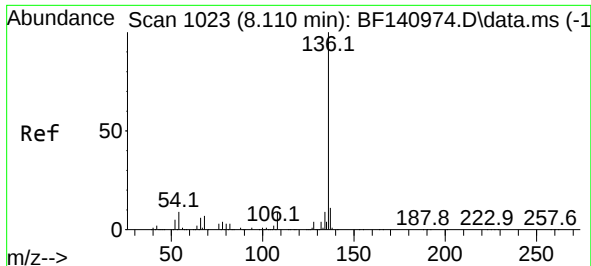


#20
3+4-Methylphenols
Concen: 49.081 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



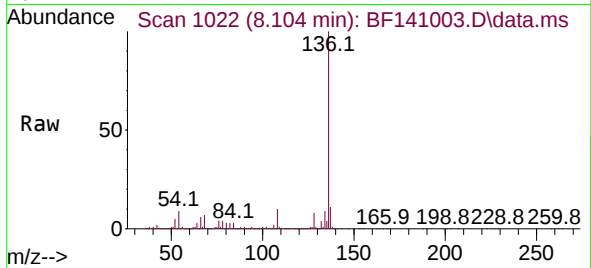
Tgt Ion:107 Resp: 914603
Ion Ratio Lower Upper
107 100
108 90.6 69.6 109.6
77 107.8 57.6 97.6#
79 29.8 8.8 48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

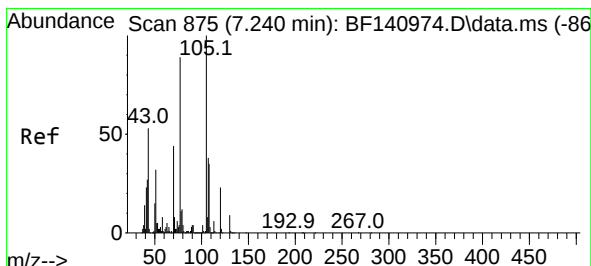
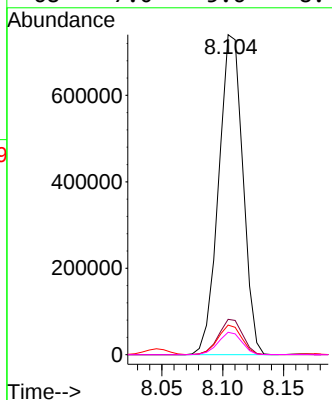
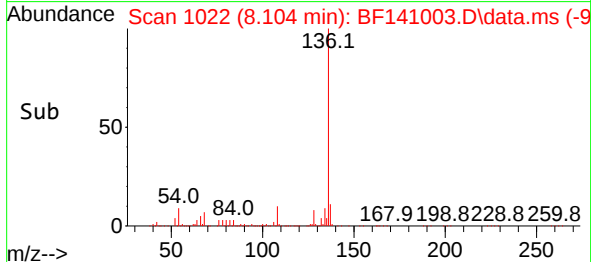
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:136 Resp: 1023380
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.2 7.6 11.4
68 7.0 5.6 8.4

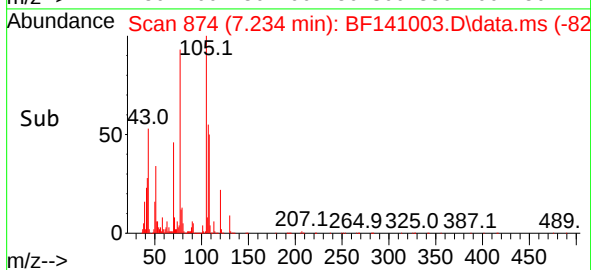
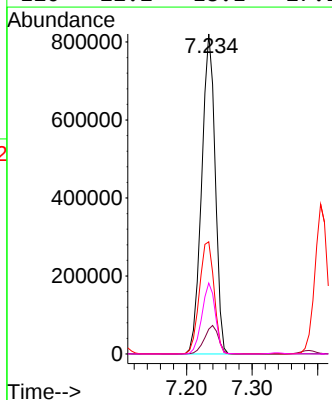
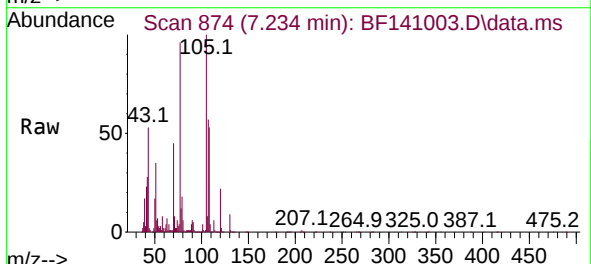
Manual Integrations
APPROVED

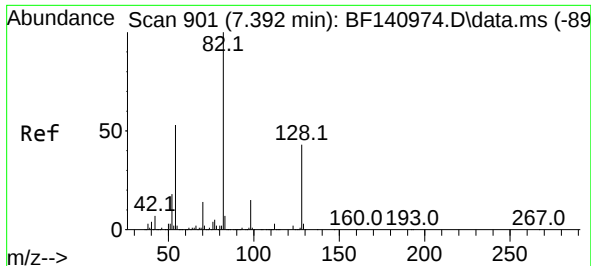
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#22
Acetophenone
Concen: 46.982 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:105 Resp: 1179481
Ion Ratio Lower Upper
105 100
71 7.7 6.1 9.1
51 35.1 25.8 38.6
120 22.2 18.1 27.1





#23

Nitrobenzene-d5

Concen: 87.520 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion: 82 Resp: 139995

Ion Ratio Lower Upper

82 100

128 44.3 34.4 51.6

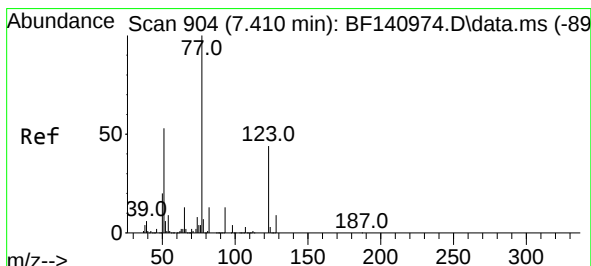
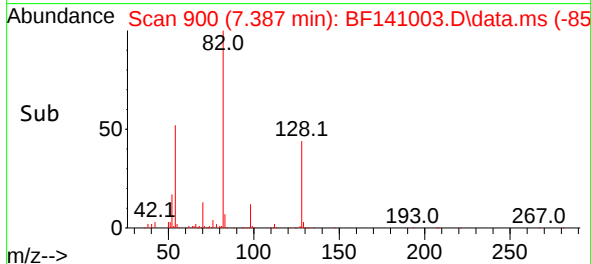
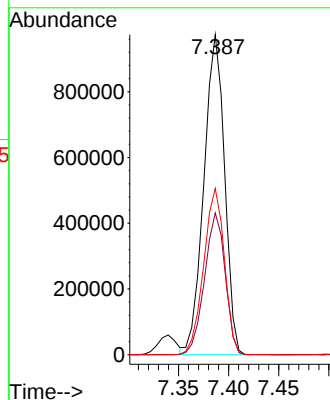
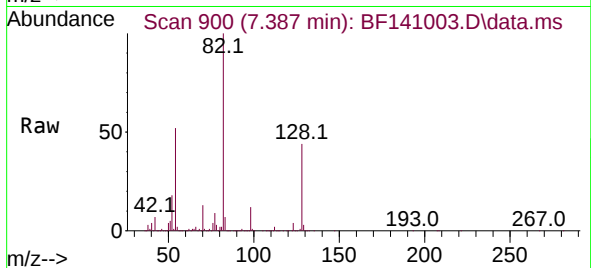
54 52.0 42.4 63.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#24

Nitrobenzene

Concen: 53.241 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

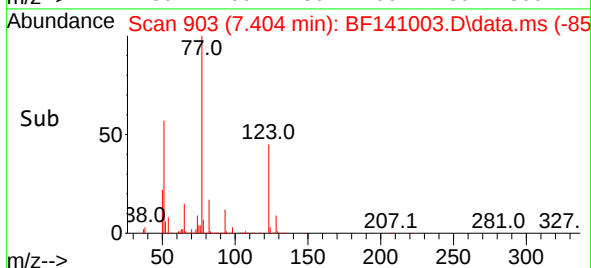
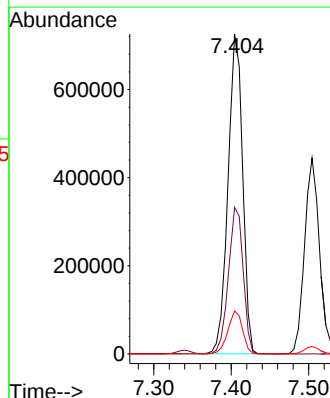
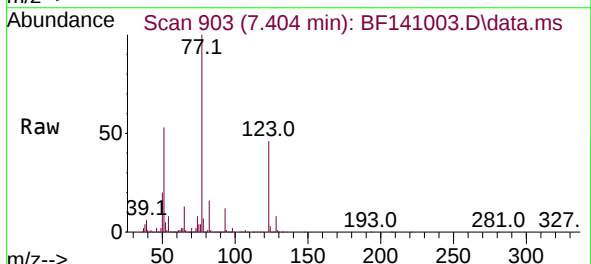
Tgt Ion: 77 Resp: 951609

Ion Ratio Lower Upper

77 100

123 45.8 35.4 53.2

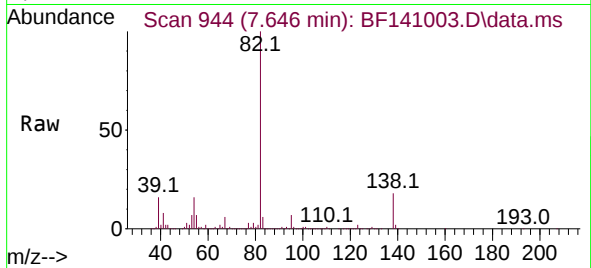
65 13.5 10.7 16.1





#25
Isophorone
Concen: 49.174 ng
RT: 7.646 min Scan# 945
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

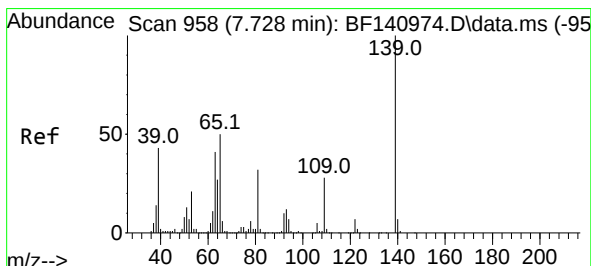
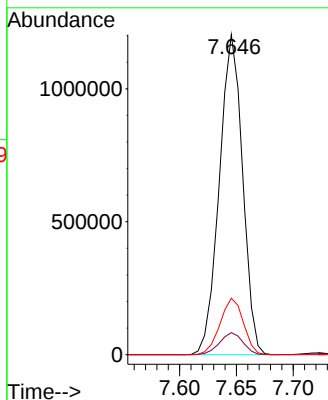
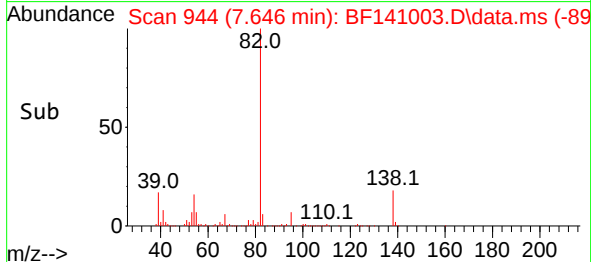
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion: 82 Resp: 1711648
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 17.7 14.6 21.8

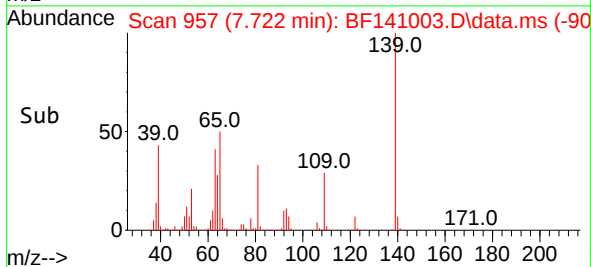
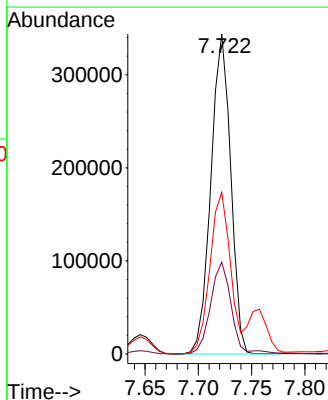
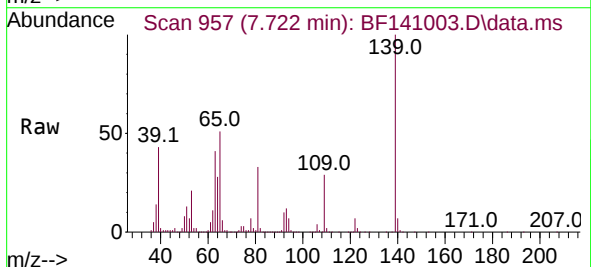
Manual Integrations
APPROVED

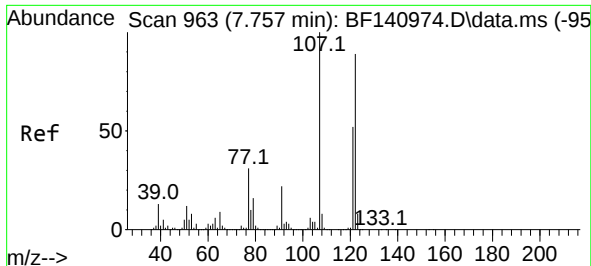
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#26
2-Nitrophenol
Concen: 59.384 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

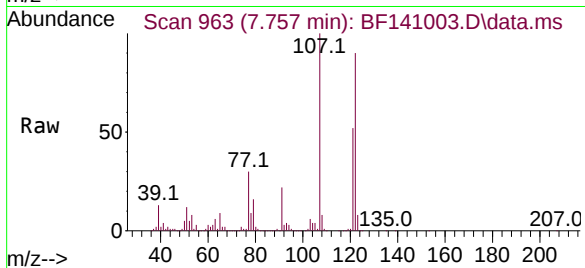
Tgt Ion:139 Resp: 445336
Ion Ratio Lower Upper
139 100
109 28.7 22.2 33.4
65 50.5 40.2 60.4





#27
2,4-Dimethylphenol
Concen: 57.790 ng
RT: 7.757 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

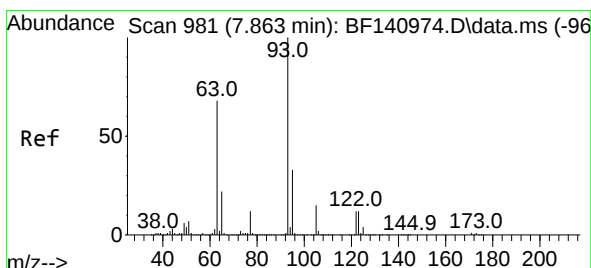
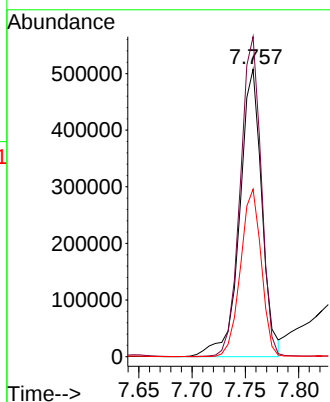
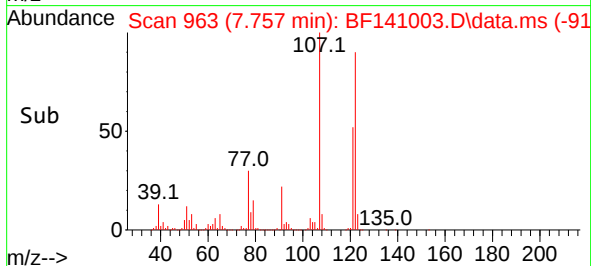
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:122 Resp: 735150
Ion Ratio Lower Upper
122 100
107 111.3 89.4 134.2
121 58.2 46.7 70.1

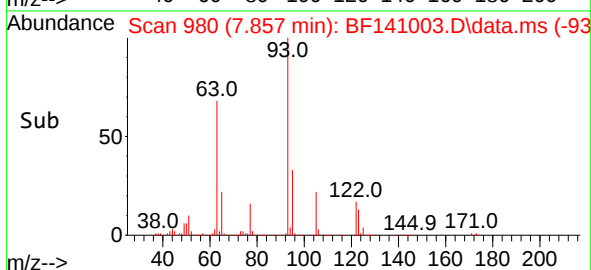
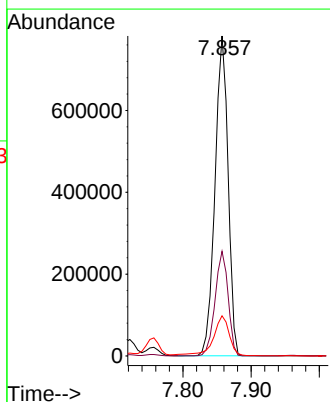
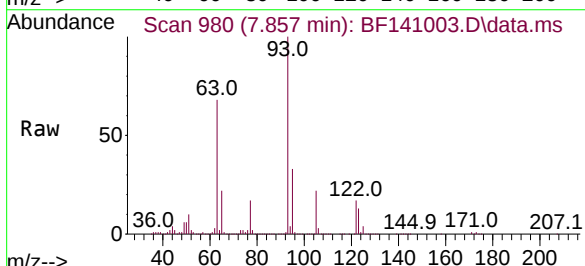
Manual Integrations
APPROVED

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



#28
bis(2-Chloroethoxy)methane
Concen: 47.379 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

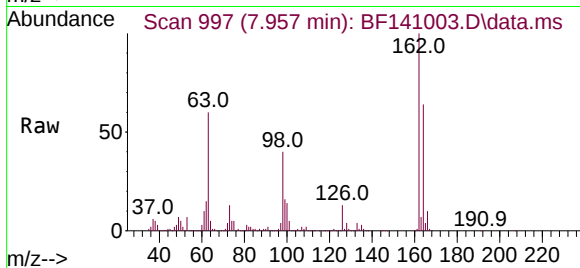
Tgt Ion: 93 Resp: 1044883
Ion Ratio Lower Upper
93 100
95 32.7 26.2 39.4
123 12.5 9.9 14.9





#29
2,4-Dichlorophenol
Concen: 51.040 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

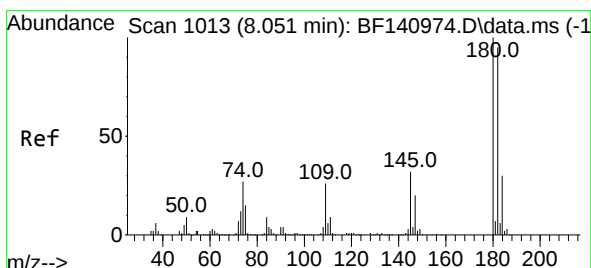
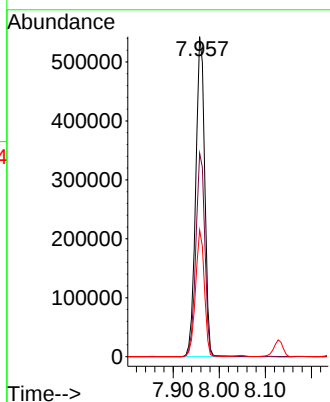
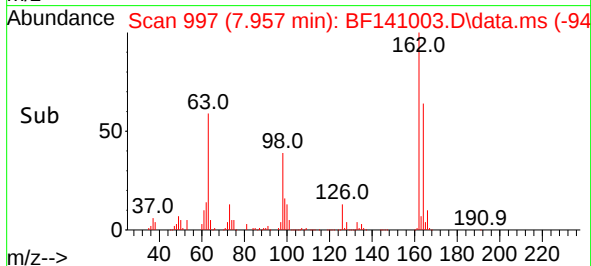
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:162 Resp: 736390
Ion Ratio Lower Upper
162 100
164 63.6 44.8 84.8
98 39.5 18.6 58.6

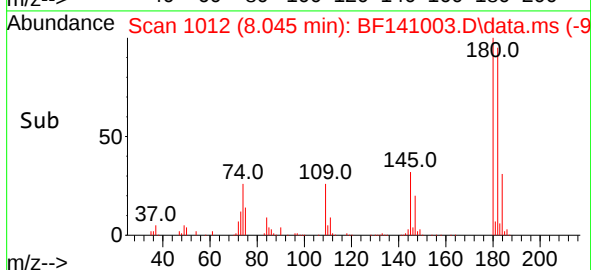
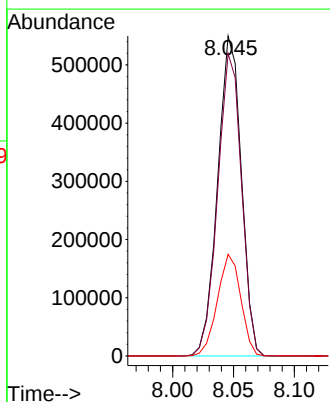
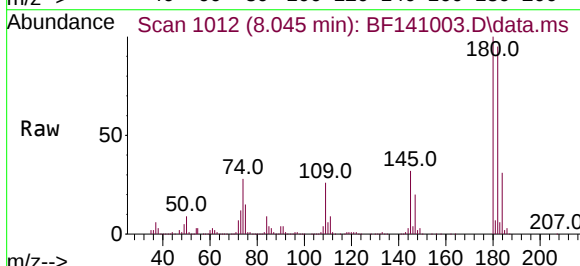
Manual Integrations
APPROVED

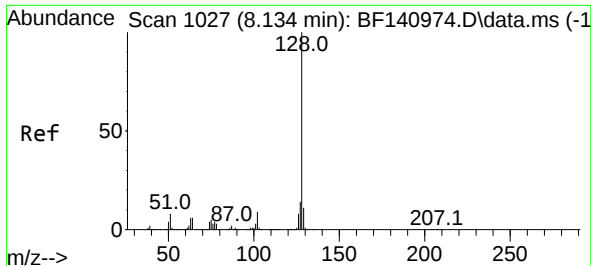
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#30
1,2,4-Trichlorobenzene
Concen: 45.545 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

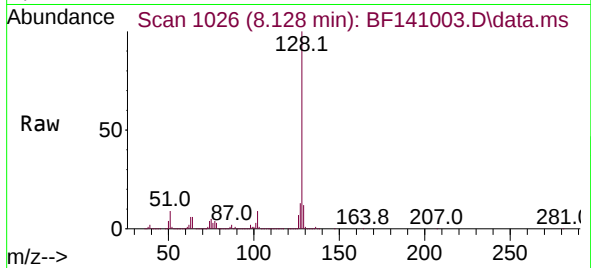
Tgt Ion:180 Resp: 743744
Ion Ratio Lower Upper
180 100
182 94.5 76.2 114.4
145 31.8 25.4 38.2





#31
Naphthalene
Concen: 46.782 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

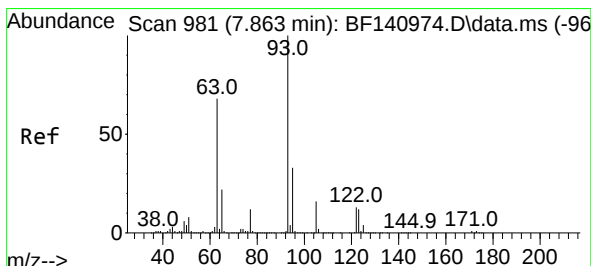
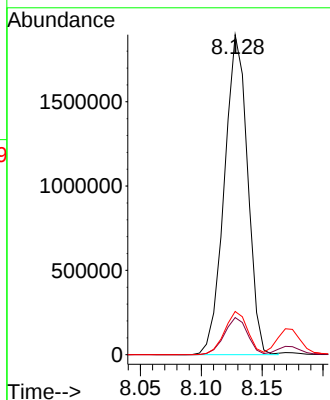
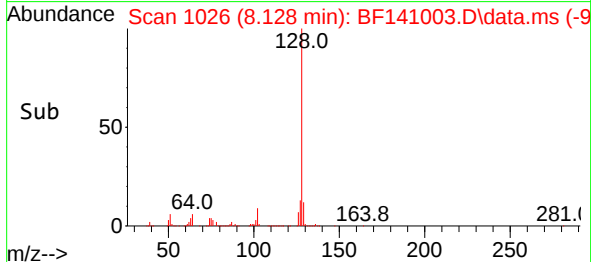
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:128 Resp: 252280
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.5 11.0 16.4

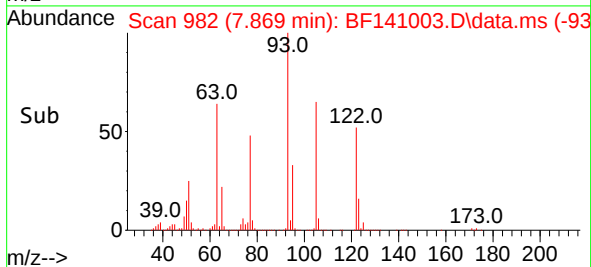
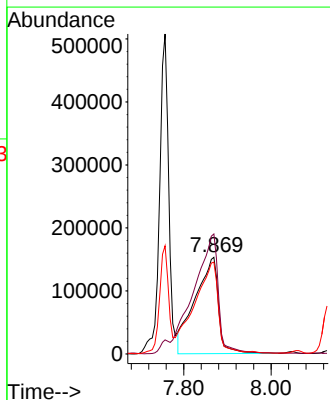
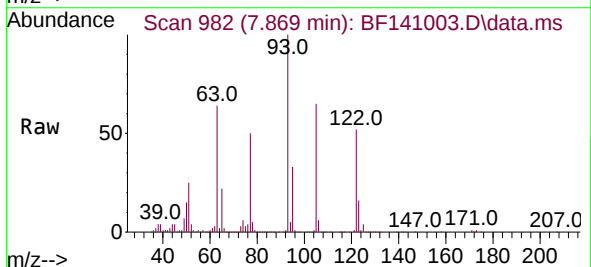
Manual Integrations
APPROVED

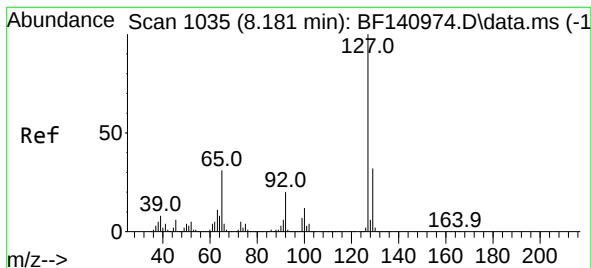
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#32
Benzoic acid
Concen: 53.645 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

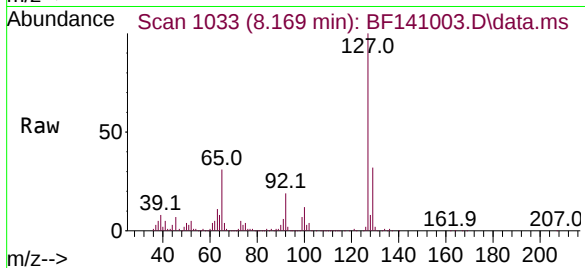
Tgt Ion:122 Resp: 572879
Ion Ratio Lower Upper
122 100
105 124.2 105.4 145.4
77 94.9 76.4 116.4





#33
4-Chloroaniline
Concen: 11.267 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

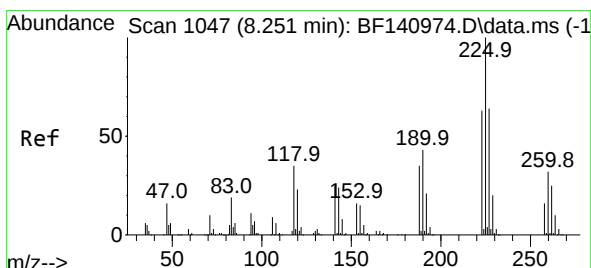
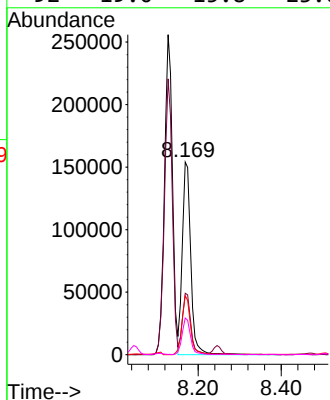
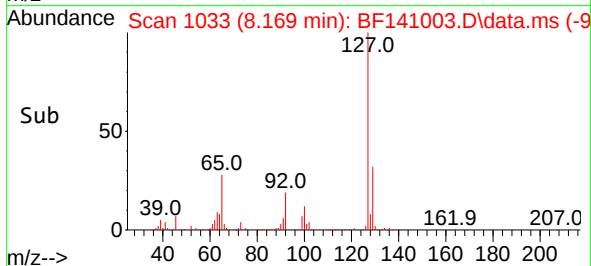
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:127 Resp: 219800
Ion Ratio Lower Upper
127 100
129 31.9 26.1 39.1
65 30.6 24.6 37.0
92 19.0 15.8 23.6

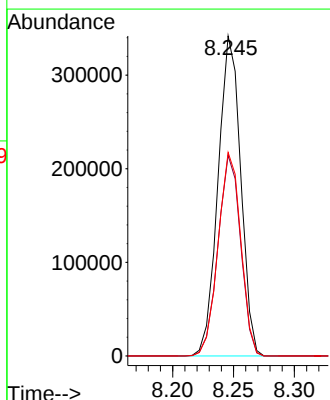
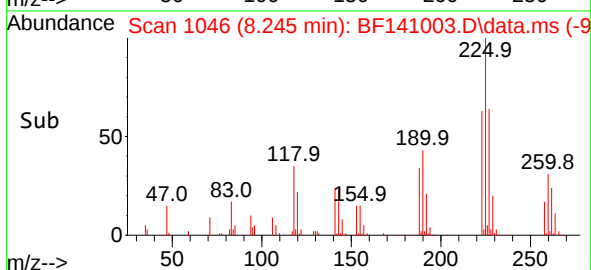
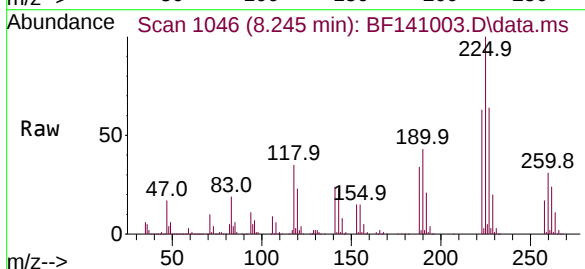
Manual Integrations
APPROVED

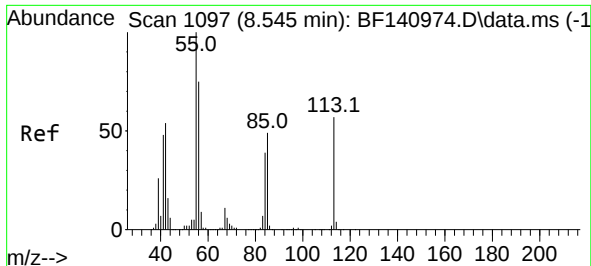
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#34
Hexachlorobutadiene
Concen: 45.981 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

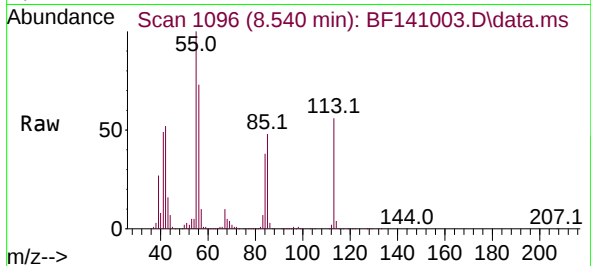
Tgt Ion:225 Resp: 442655
Ion Ratio Lower Upper
225 100
223 62.7 50.3 75.5
227 63.6 50.8 76.2





#35
Caprolactam
Concen: 50.983 ng m
RT: 8.540 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

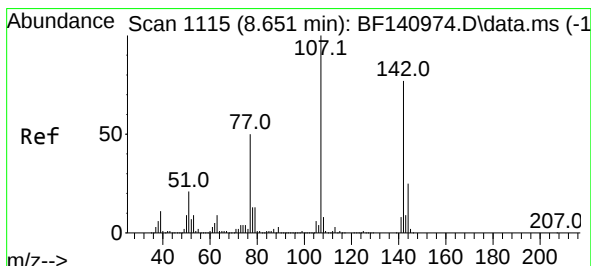
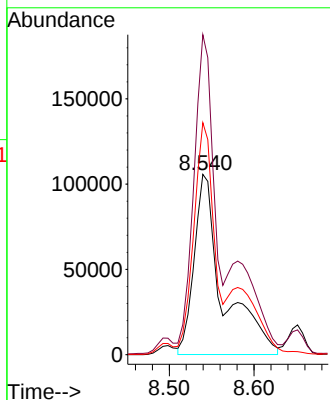
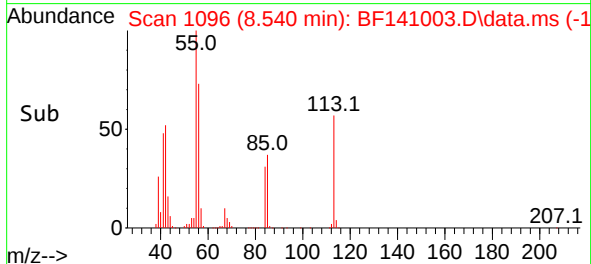
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:113 Resp: 250065
Ion Ratio Lower Upper
113 100
55 177.5 156.6 196.6
56 128.7 111.7 151.7

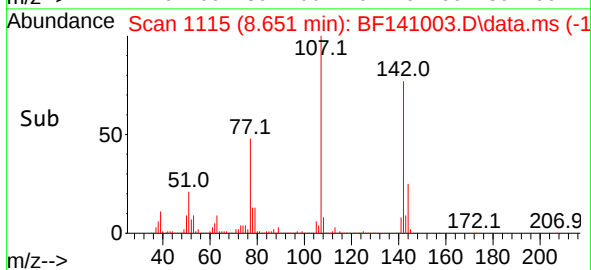
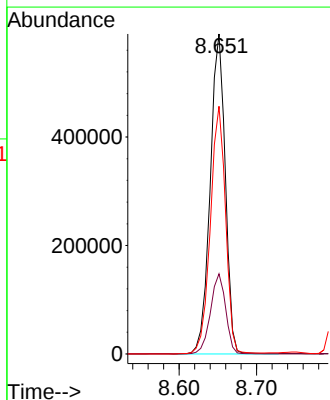
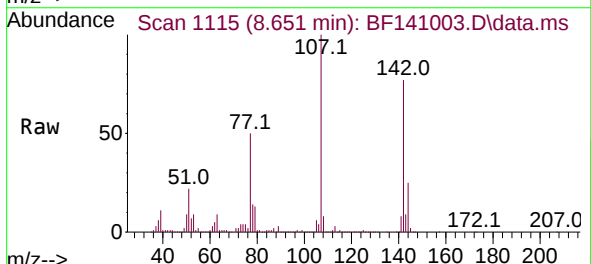
Manual Integrations
APPROVED

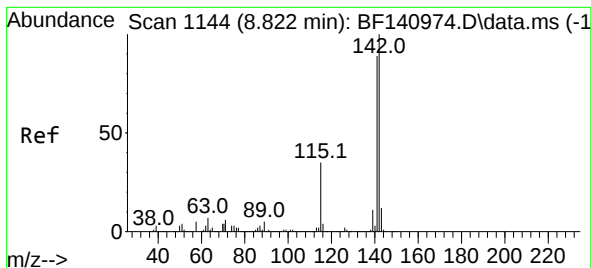
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#36
4-Chloro-3-methylphenol
Concen: 49.705 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:107 Resp: 796410
Ion Ratio Lower Upper
107 100
144 25.1 19.9 29.9
142 77.4 61.8 92.8





#37

2-Methylnaphthalene

Concen: 48.211 ng

RT: 8.816 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:142 Resp: 1663200

Ion Ratio Lower Upper

142 100

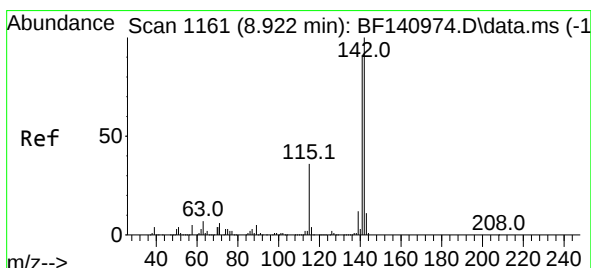
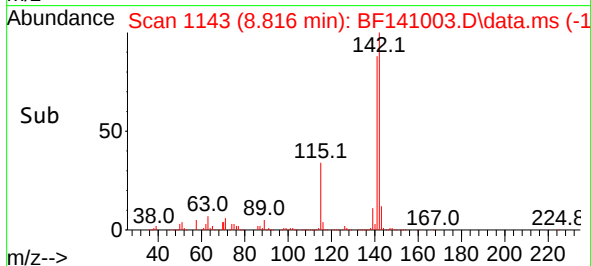
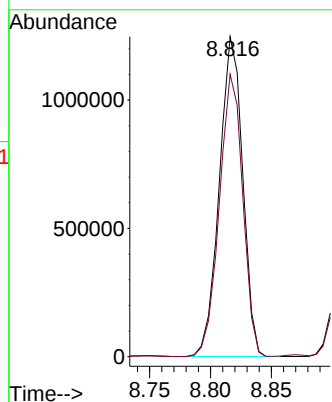
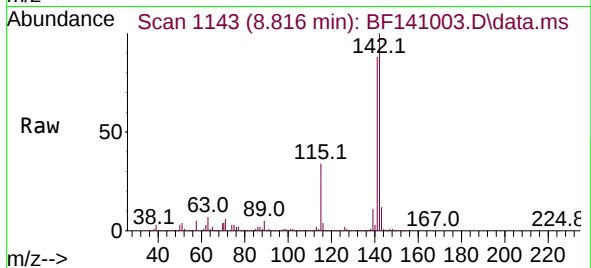
141 88.3 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#38

1-Methylnaphthalene

Concen: 45.773 ng

RT: 8.916 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF141003.D

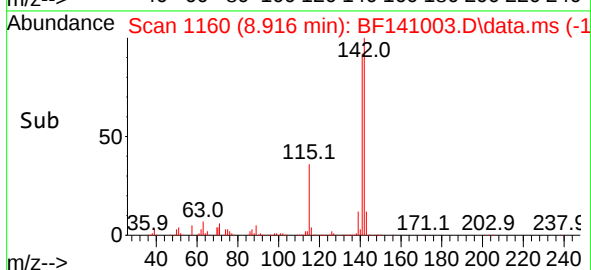
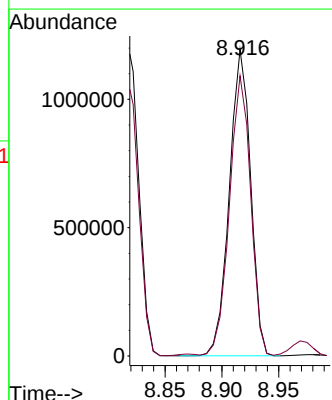
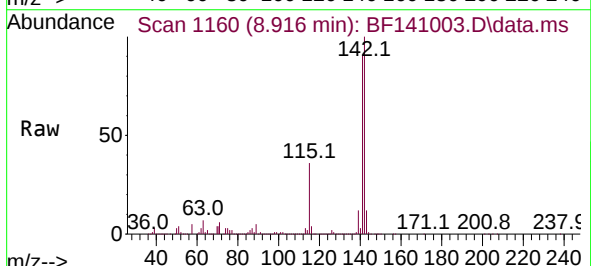
Acq: 27 Dec 2024 18:13

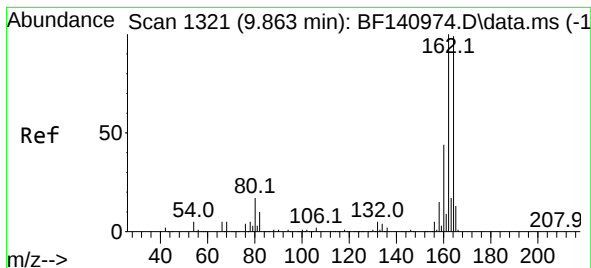
Tgt Ion:142 Resp: 1551904

Ion Ratio Lower Upper

142 100

141 91.4 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: BF141003.D

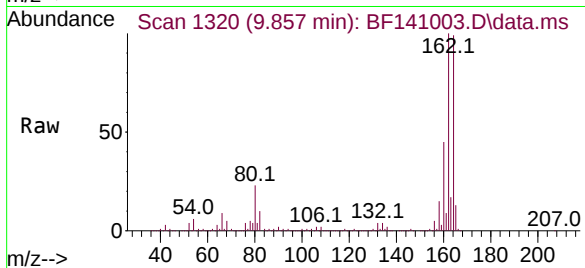
Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD



Tgt Ion:164 Resp: 54952

Ion Ratio Lower Upper

164 100

162 101.0 80.6 120.8

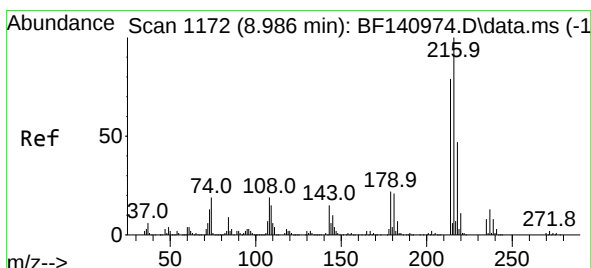
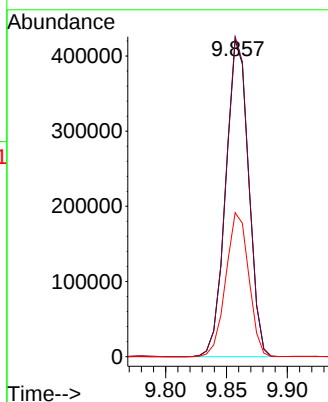
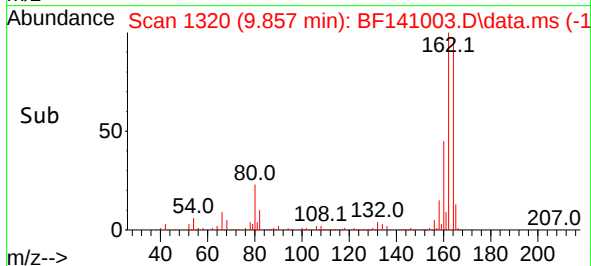
160 45.5 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.381 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Tgt Ion:216 Resp: 731418

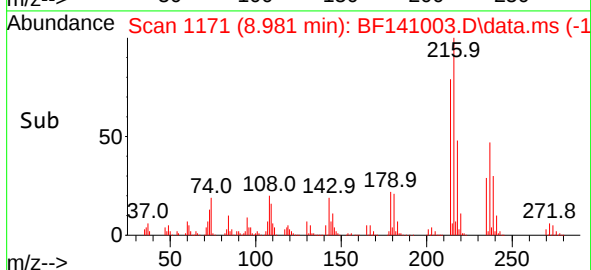
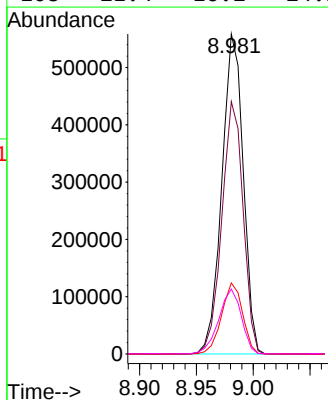
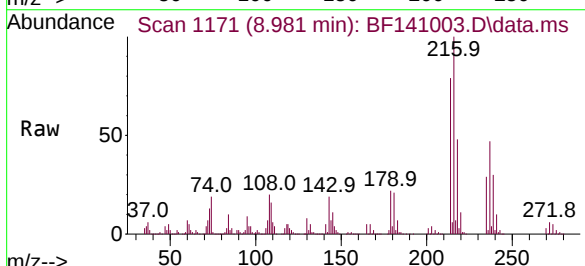
Ion Ratio Lower Upper

216 100

214 78.4 63.0 94.6

179 21.8 17.9 26.9

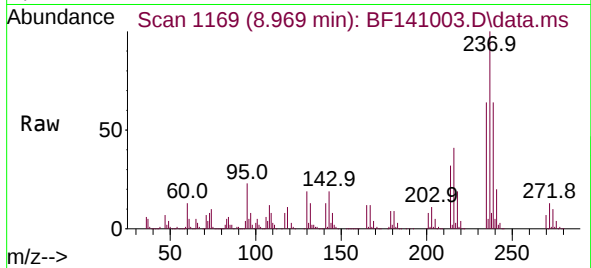
108 21.4 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 122.888 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

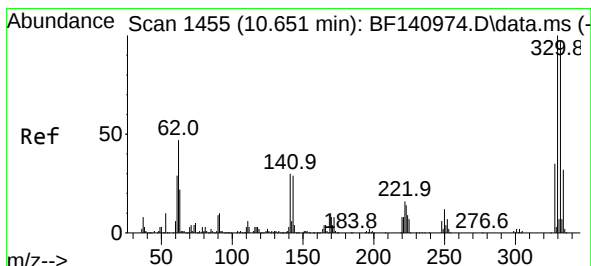
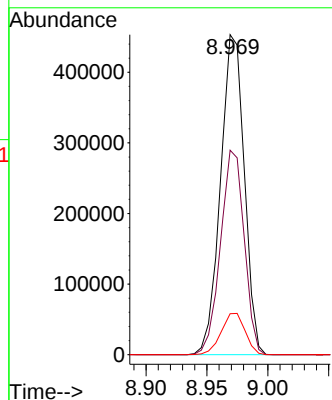
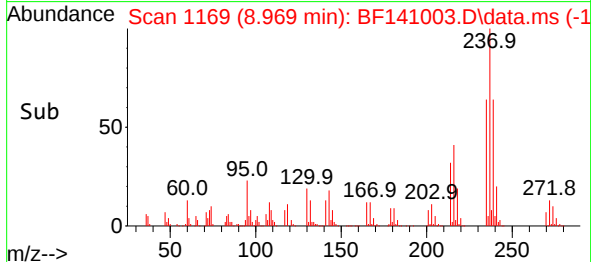
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:237 Resp: 61566
Ion Ratio Lower Upper
237 100
235 63.9 43.4 83.4
272 12.8 0.0 32.6

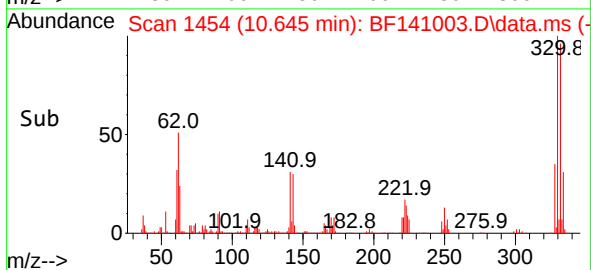
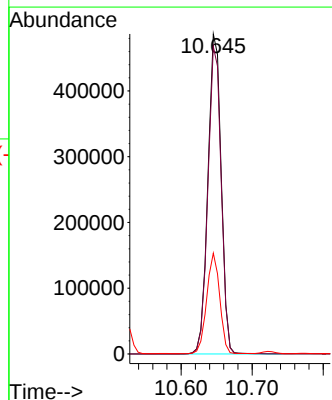
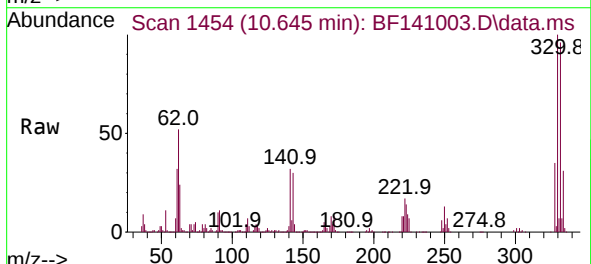
Manual Integrations
APPROVED

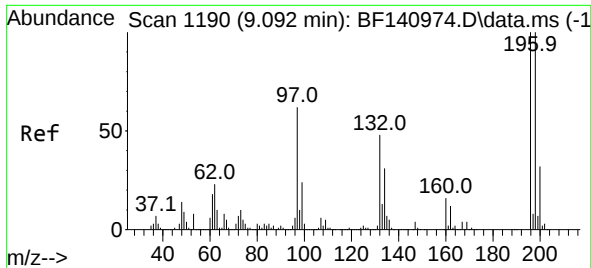
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#42
2,4,6-Tribromophenol
Concen: 118.620 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

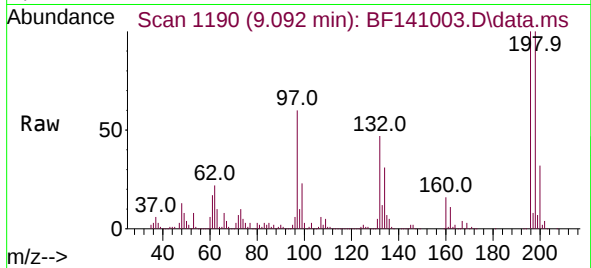
Tgt Ion:330 Resp: 633400
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 30.8 26.4 39.6





#43
2,4,6-Trichlorophenol
Concen: 52.664 ng
RT: 9.092 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

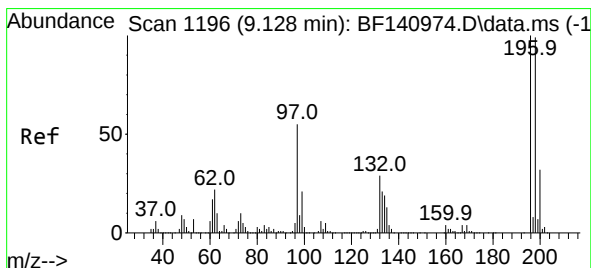
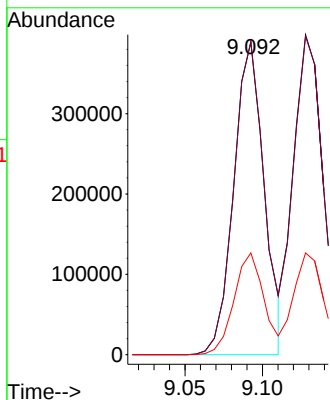
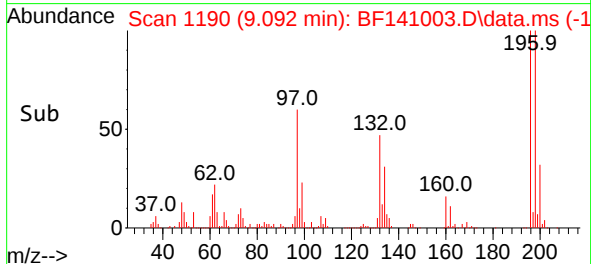
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



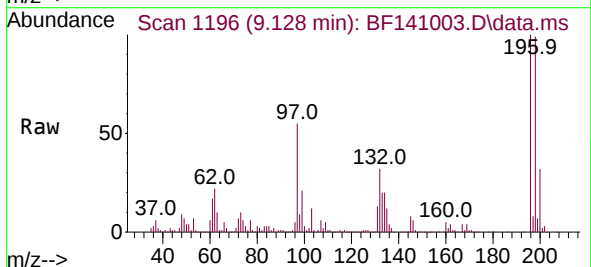
Tgt Ion:196 Resp: 52989
Ion Ratio Lower Upper
196 100
198 100.4 80.2 120.4
200 32.6 25.8 38.6

Manual Integrations
APPROVED

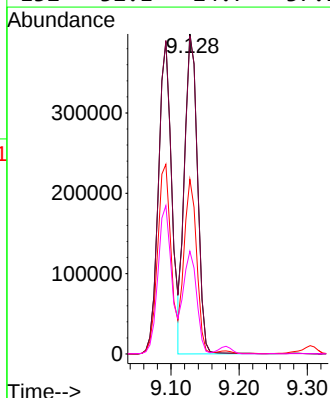
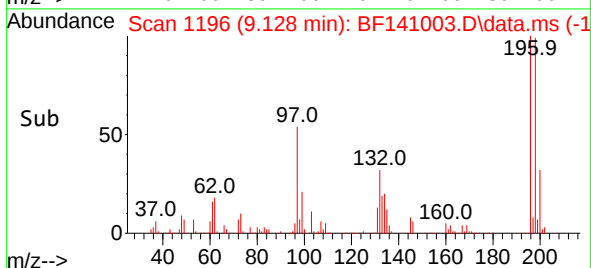
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

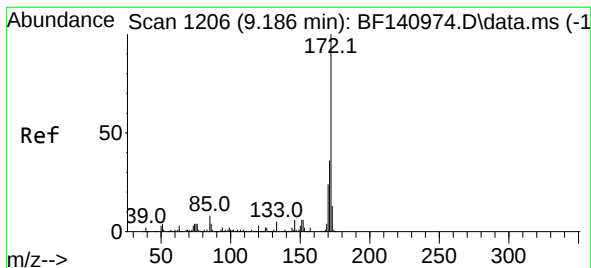


#44
2,4,5-Trichlorophenol
Concen: 50.730 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



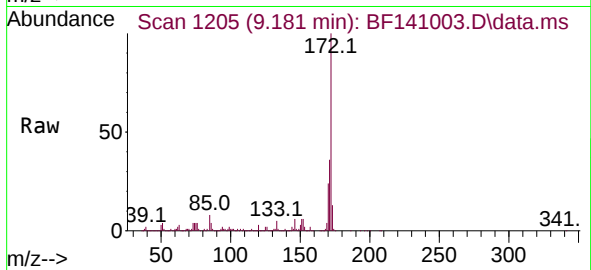
Tgt Ion:196 Resp: 522273
Ion Ratio Lower Upper
196 100
198 99.5 79.9 119.9
97 54.6 44.3 66.5
132 32.1 24.7 37.1





#45
2-Fluorobiphenyl
Concen: 69.897 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

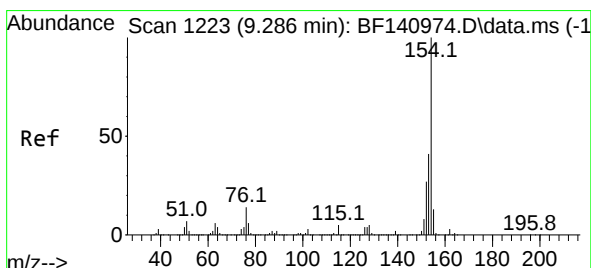
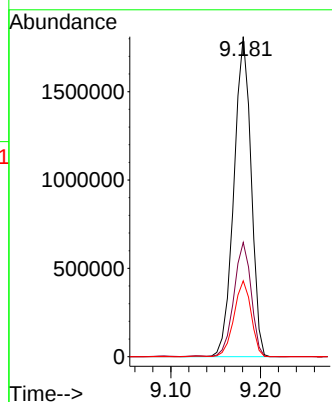
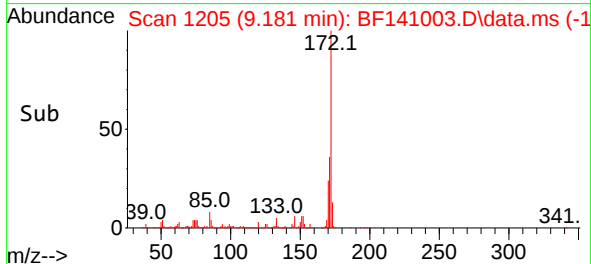
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



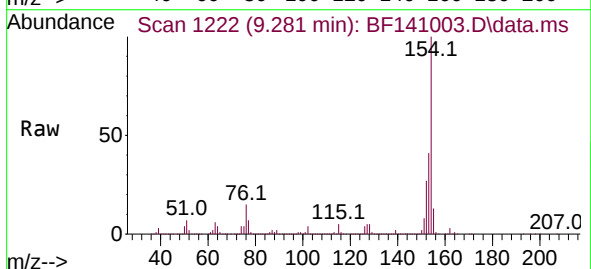
Tgt Ion:172 Resp: 2410818
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.7 19.6 29.4

Manual Integrations
APPROVED

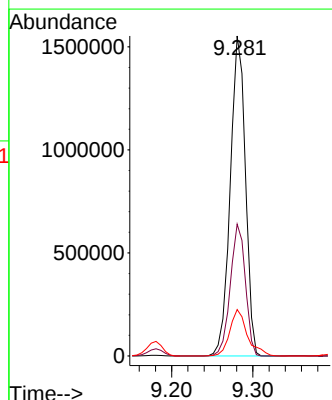
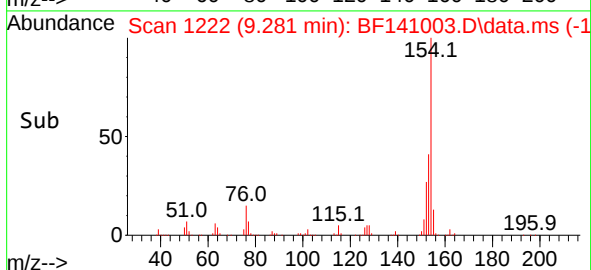
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

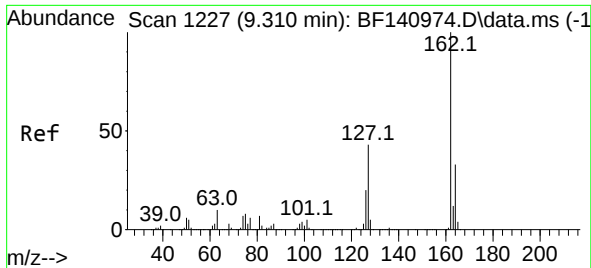


#46
1,1'-Biphenyl
Concen: 47.909 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



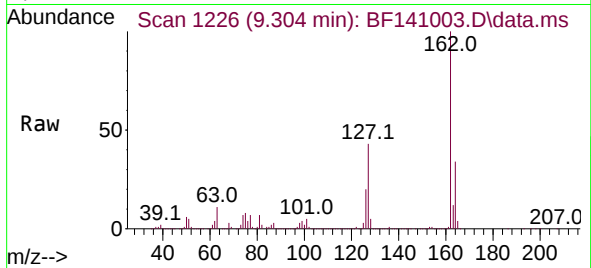
Tgt Ion:154 Resp: 2015832
Ion Ratio Lower Upper
154 100
153 41.2 20.9 60.9
76 14.5 0.0 34.0





#47
2-Chloronaphthalene
Concen: 46.519 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

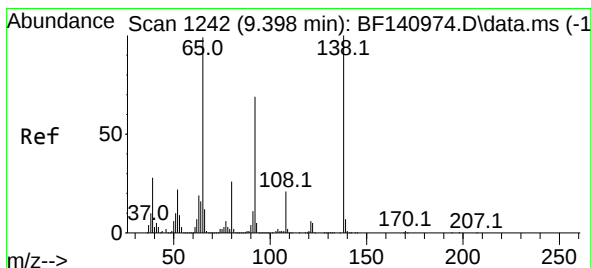
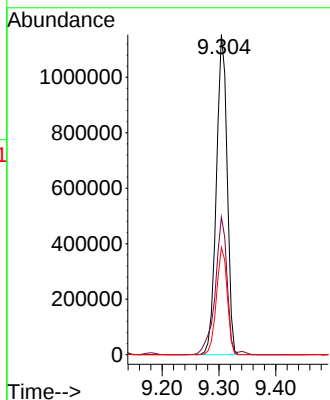
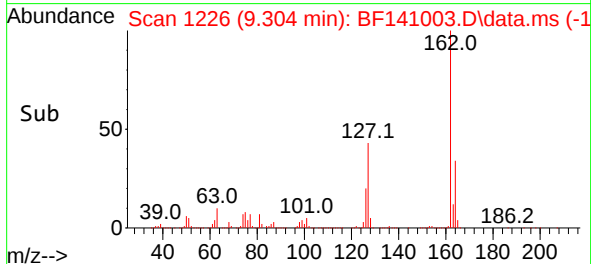
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:162 Resp: 1518070
Ion Ratio Lower Upper
162 100
127 43.0 34.2 51.4
164 33.5 26.6 40.0

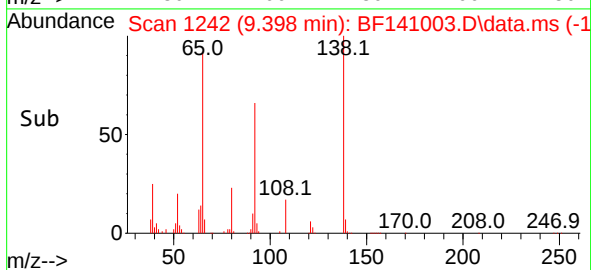
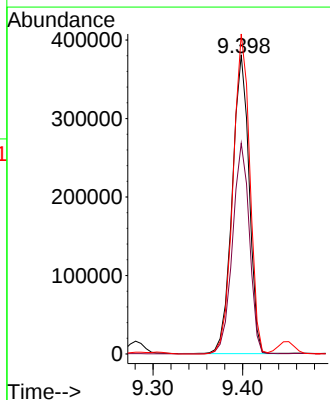
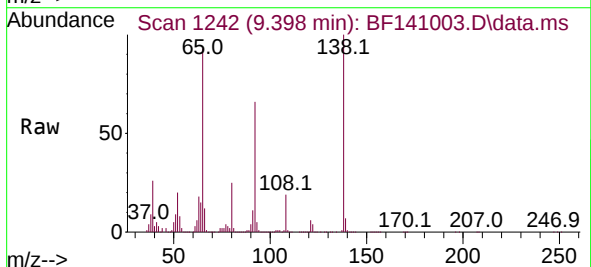
Manual Integrations
APPROVED

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



#48
2-Nitroaniline
Concen: 57.161 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

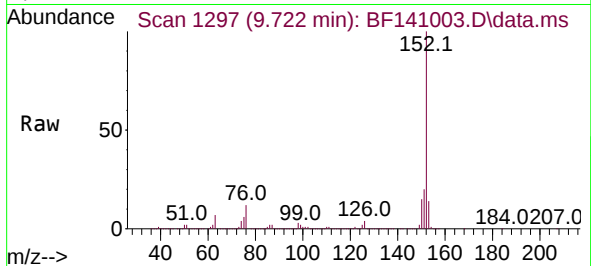
Tgt Ion: 65 Resp: 496364
Ion Ratio Lower Upper
65 100
92 70.5 55.6 83.4
138 107.0 80.5 120.7





#49
Acenaphthylene
Concen: 50.831 ng
RT: 9.722 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

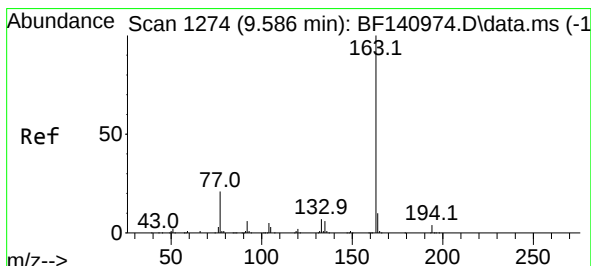
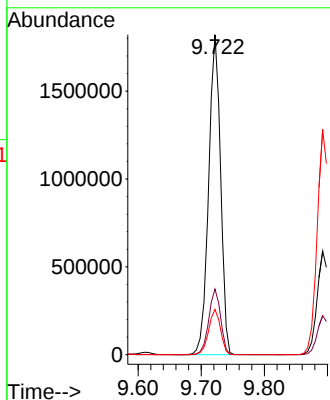
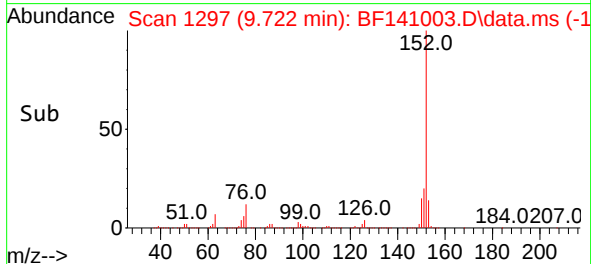
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:152 Resp: 2387914
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4
153 14.2 11.4 17.0

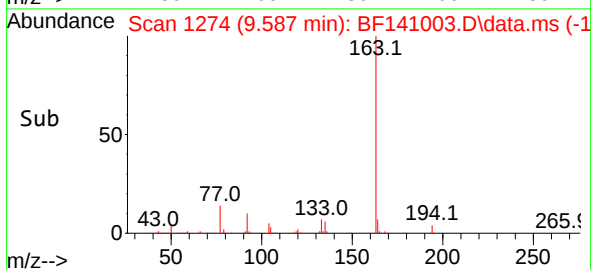
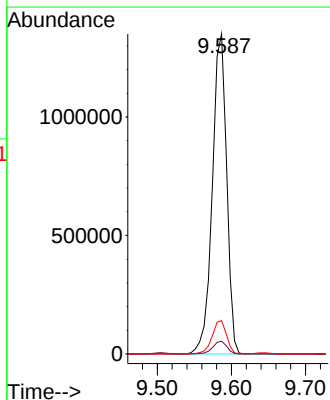
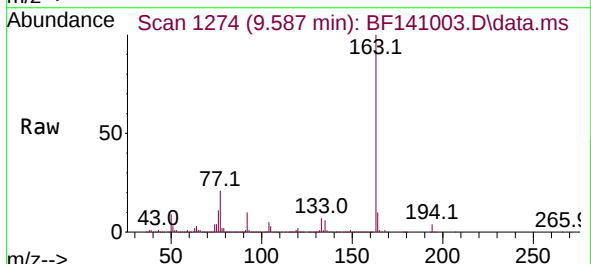
Manual Integrations
APPROVED

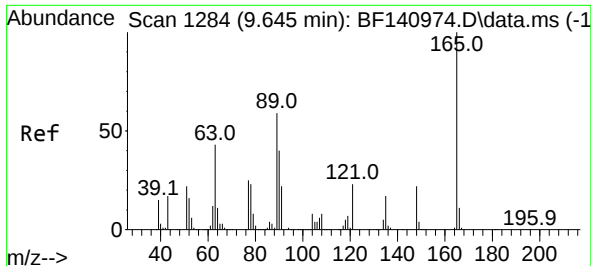
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#50
Dimethylphthalate
Concen: 50.142 ng
RT: 9.587 min Scan# 1274
Delta R.T. 0.001 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

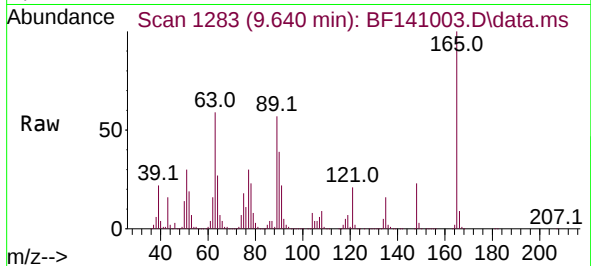
Tgt Ion:163 Resp: 1812430
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 54.549 ng
RT: 9.640 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

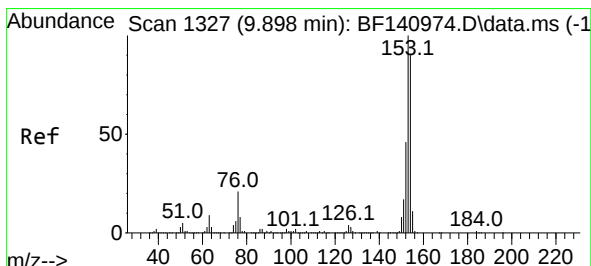
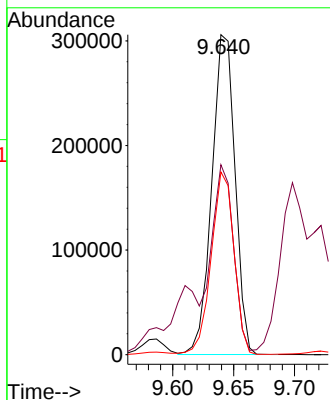
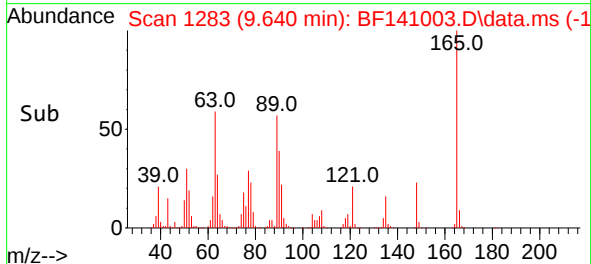
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:165 Resp: 406083
Ion Ratio Lower Upper
165 100
63 59.4 47.1 70.7
89 57.1 47.0 70.4

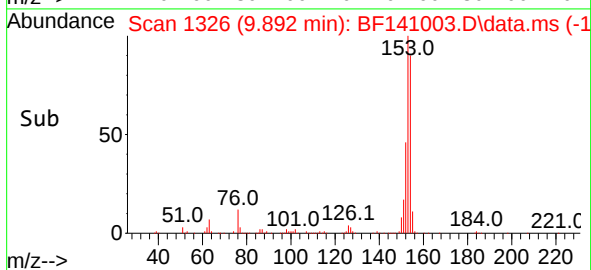
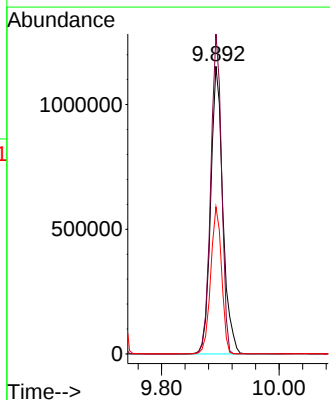
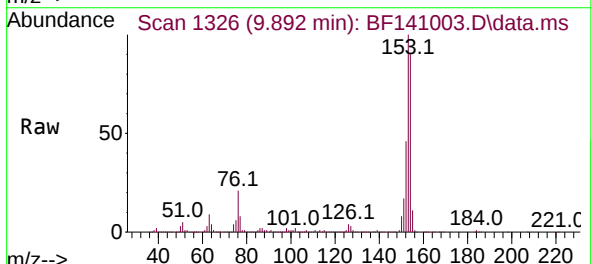
Manual Integrations
APPROVED

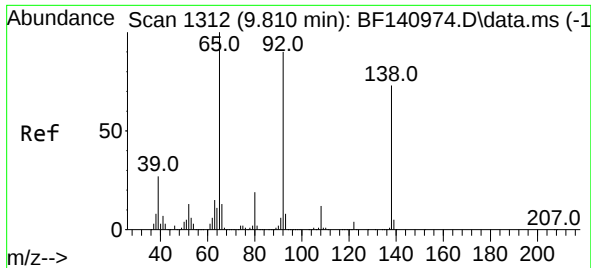
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#52
Acenaphthene
Concen: 52.328 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

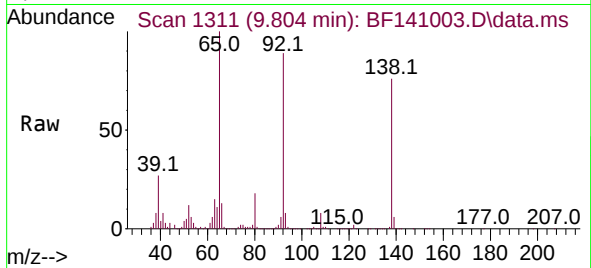
Tgt Ion:154 Resp: 1661885
Ion Ratio Lower Upper
154 100
153 111.2 89.2 133.8
152 51.1 40.9 61.3





#53
3-Nitroaniline
Concen: 27.725 ng
RT: 9.804 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

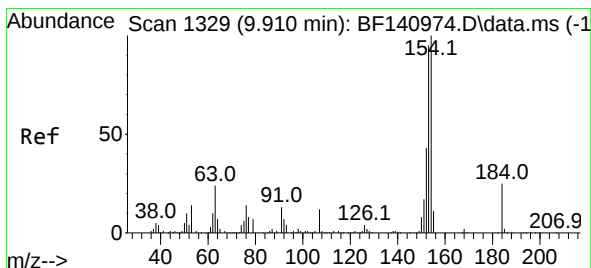
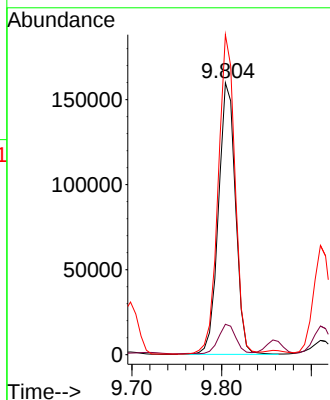
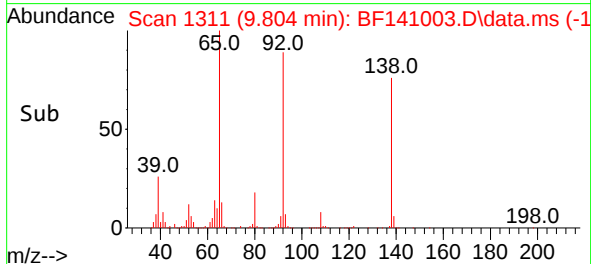
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:138 Resp: 21039
Ion Ratio Lower Upper
138 100
108 11.2 13.5 20.3#
92 117.7 97.7 146.5

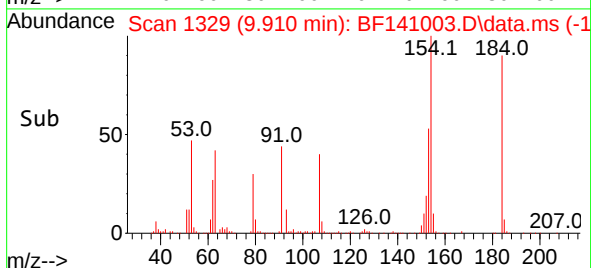
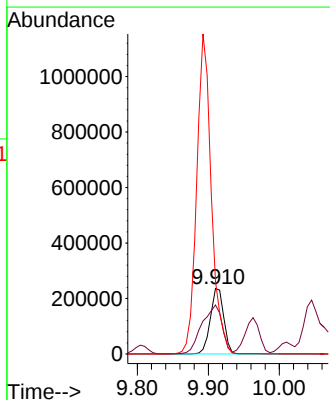
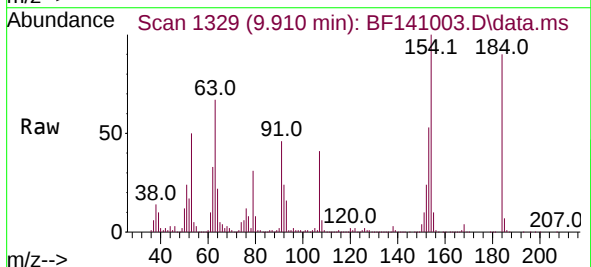
Manual Integrations
APPROVED

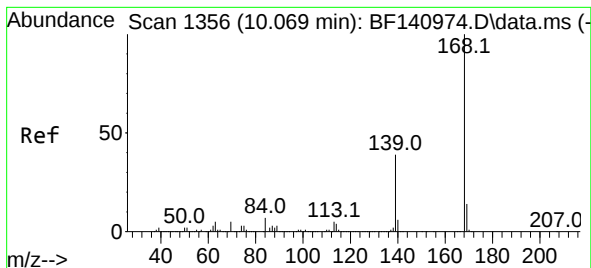
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#54
2,4-Dinitrophenol
Concen: 96.498 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

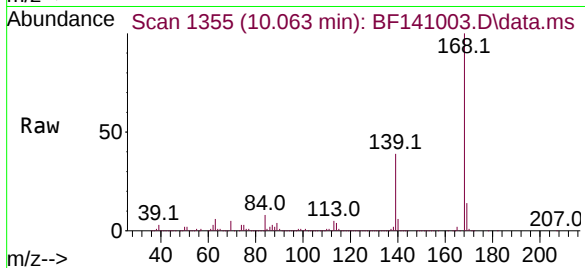
Tgt Ion:184 Resp: 310318
Ion Ratio Lower Upper
184 100
63 74.9 81.6 122.4#
154 111.4 363.5 545.3#





#55
Dibenzenofuran
Concen: 48.883 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

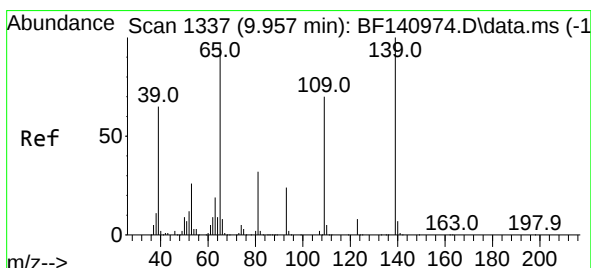
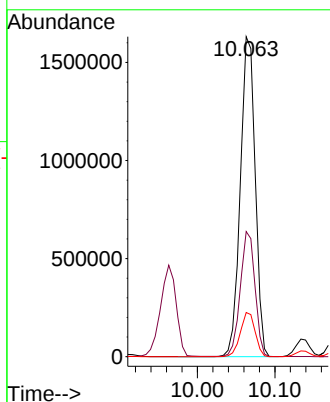
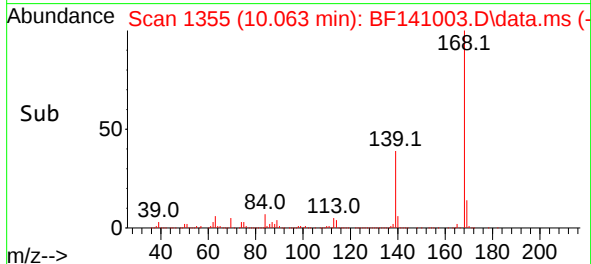
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:168 Resp: 2181754
Ion Ratio Lower Upper
168 100
139 39.1 31.6 47.4
169 13.8 11.0 16.6

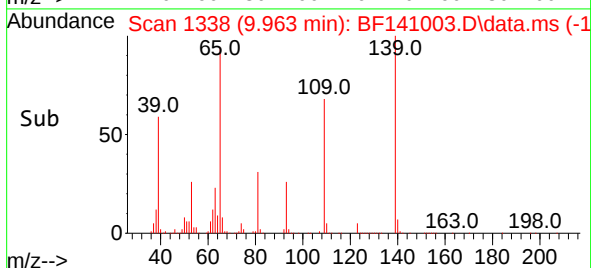
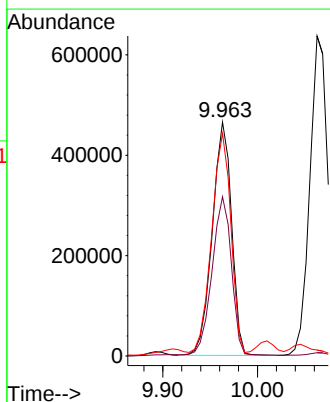
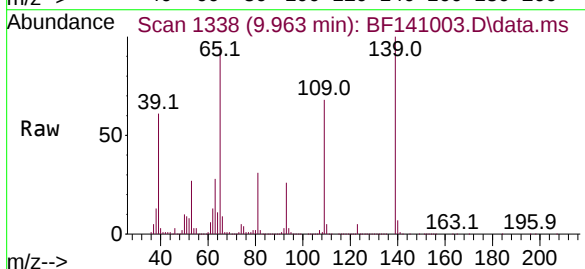
Manual Integrations
APPROVED

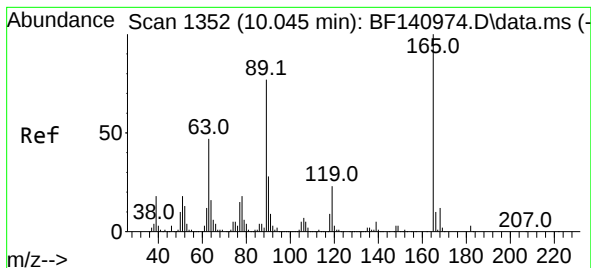
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#56
4-Nitrophenol
Concen: 106.306 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

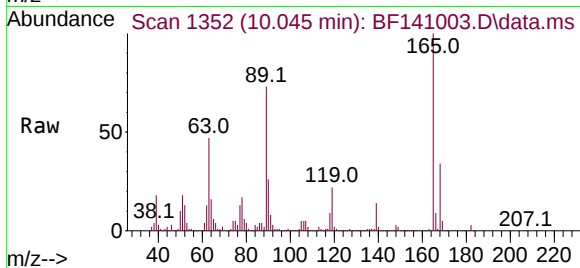
Tgt Ion:139 Resp: 657289
Ion Ratio Lower Upper
139 100
109 68.1 50.8 90.8
65 95.1 78.5 118.5





#57
2,4-Dinitrotoluene
Concen: 57.815 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

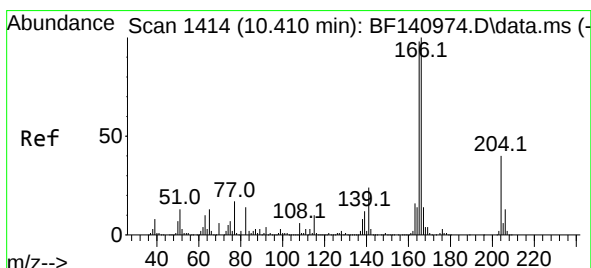
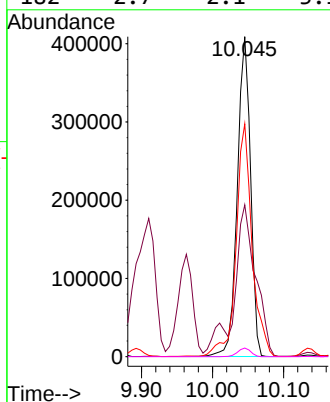
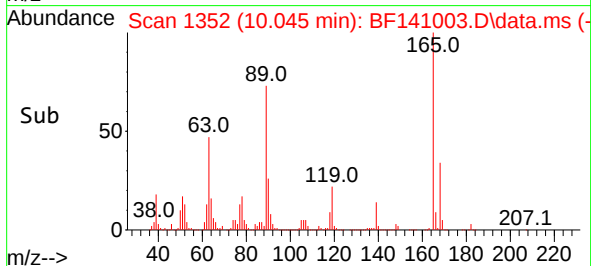
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



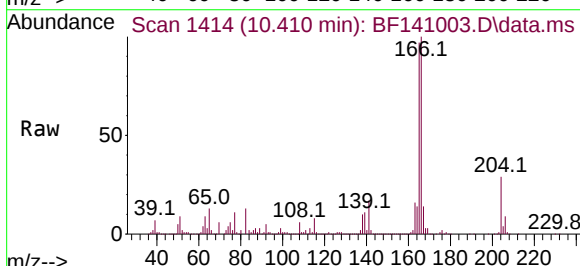
Tgt Ion:165 Resp: 530670
Ion Ratio Lower Upper
165 100
63 47.5 38.1 57.1
89 72.8 61.4 92.2
182 2.7 2.1 3.1

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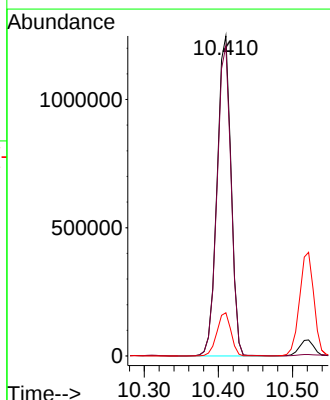
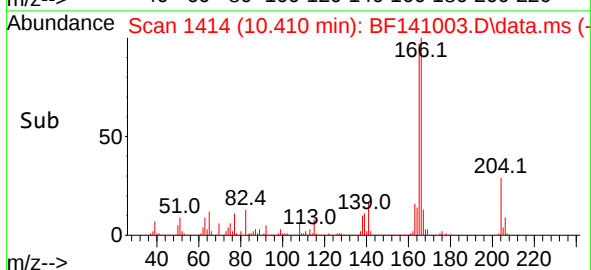
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

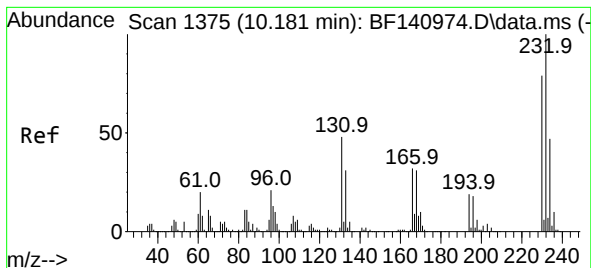


#58
Fluorene
Concen: 47.158 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



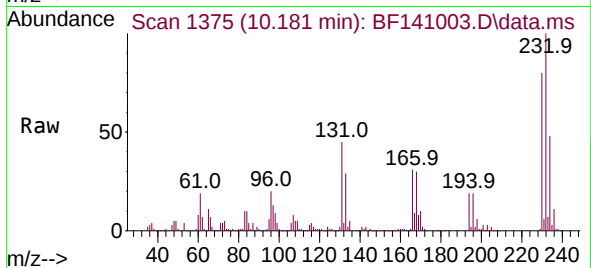
Tgt Ion:166 Resp: 1632155
Ion Ratio Lower Upper
166 100
165 96.8 78.3 117.5
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.952 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

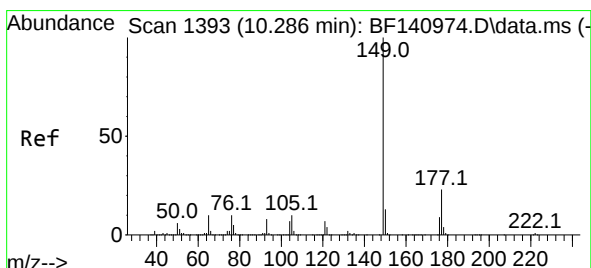
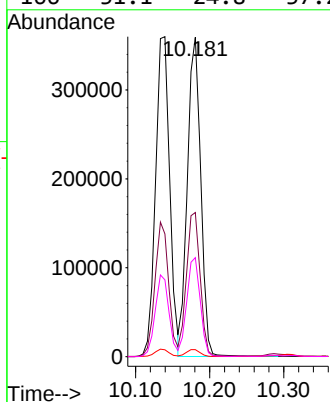
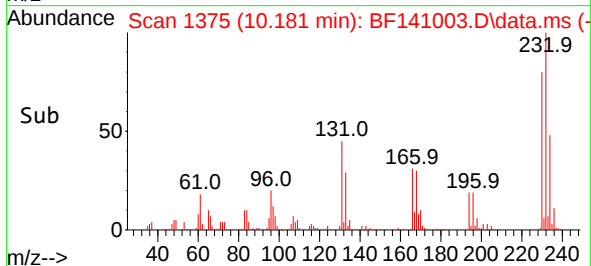
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:232 Resp: 451490
Ion Ratio Lower Upper
232 100
131 46.2 37.4 56.2
130 2.2 1.8 2.8
166 31.1 24.8 37.2

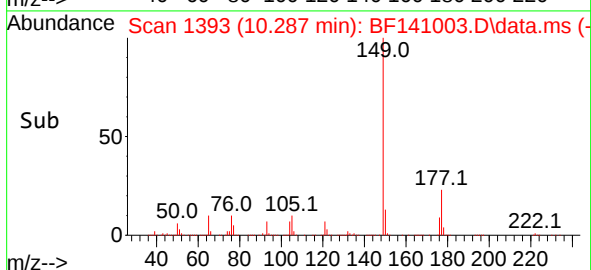
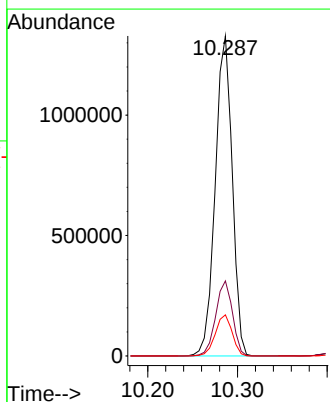
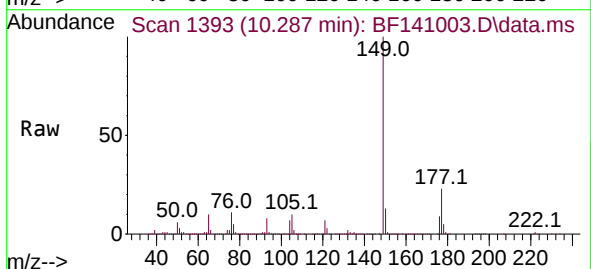
Manual Integrations
APPROVED

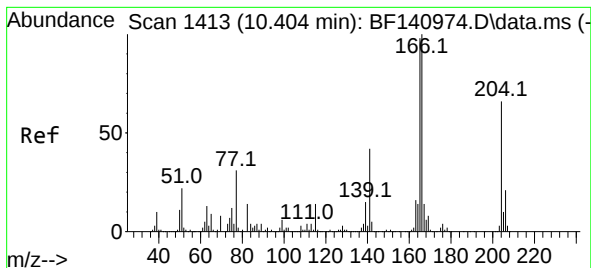
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#60
Diethylphthalate
Concen: 48.942 ng
RT: 10.287 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

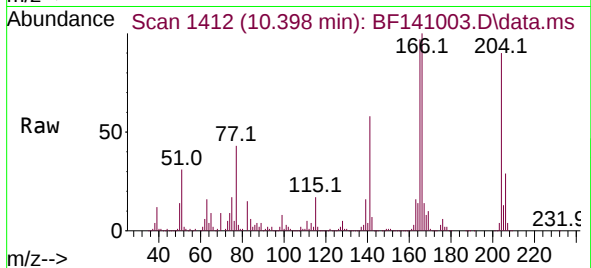
Tgt Ion:149 Resp: 1746446
Ion Ratio Lower Upper
149 100
177 23.4 18.3 27.5
150 12.9 10.4 15.6





#61
4-Chlorophenyl-phenylether
Concen: 47.402 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

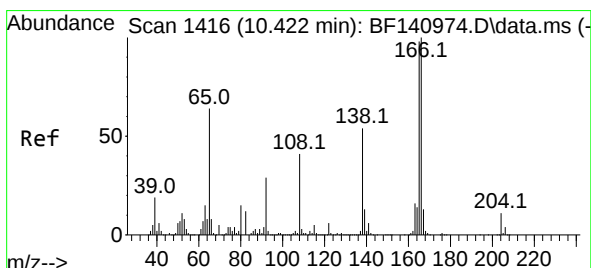
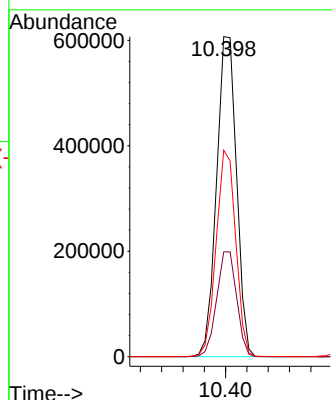
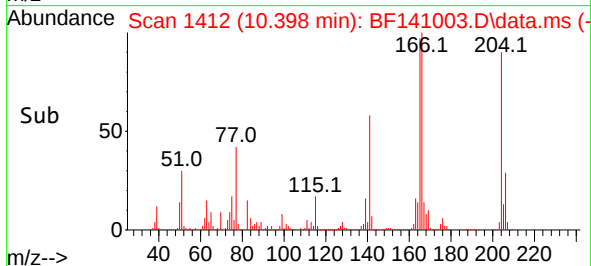
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



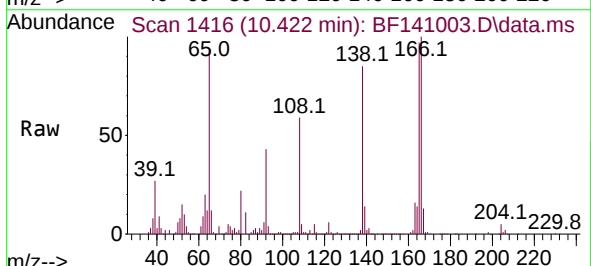
Tgt Ion:204 Resp: 78941
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.6
141 64.5 51.2 76.8

Manual Integrations
APPROVED

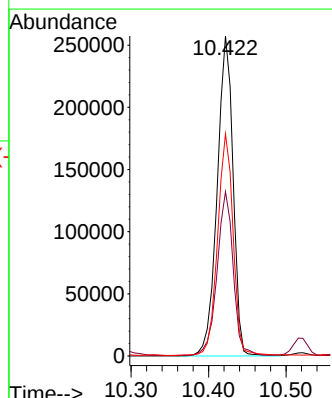
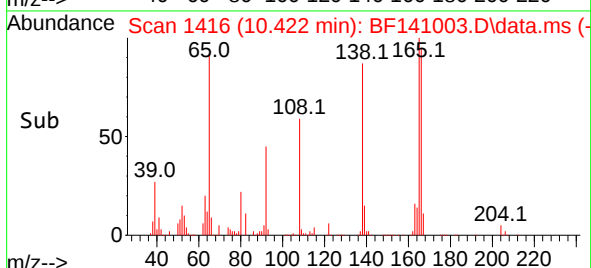
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

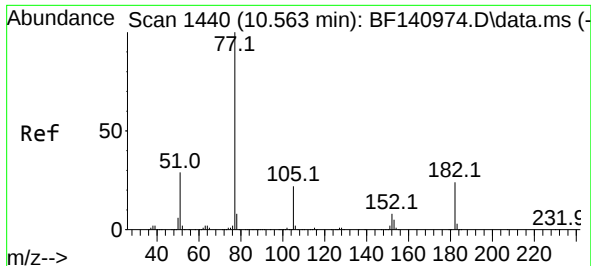


#62
4-Nitroaniline
Concen: 45.963 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



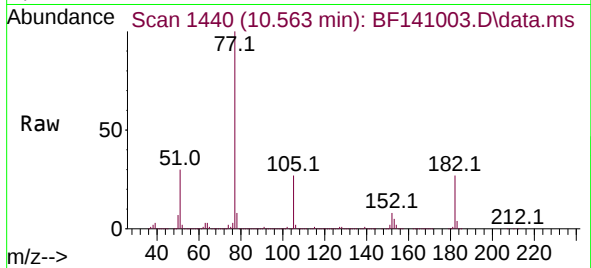
Tgt Ion:138 Resp: 366875
Ion Ratio Lower Upper
138 100
92 51.4 34.8 74.8
108 69.4 55.9 95.9





#63
Azobenzene
Concen: 54.076 ng
RT: 10.563 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

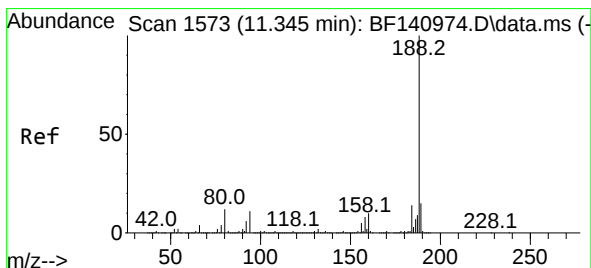
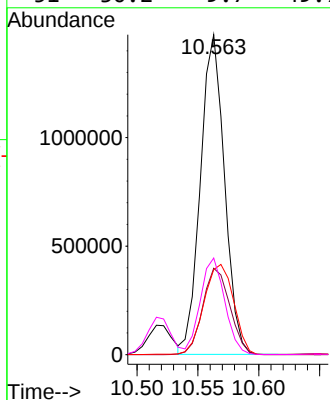
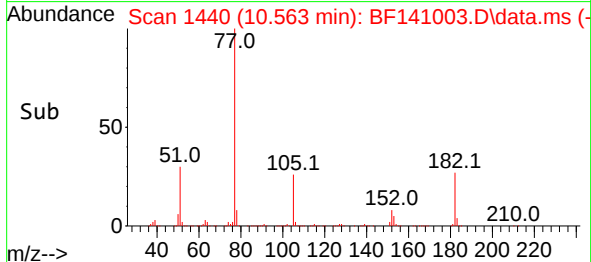
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion: 77 Resp: 2025418
Ion Ratio Lower Upper
77 100
182 27.0 4.1 44.1
105 26.6 1.8 41.8
51 30.2 9.7 49.7

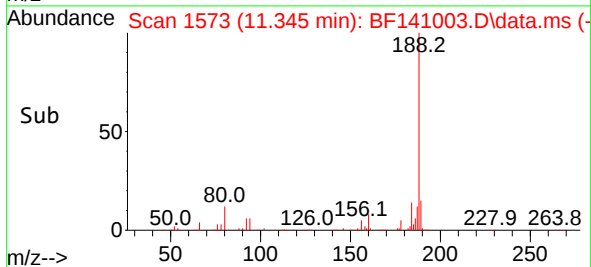
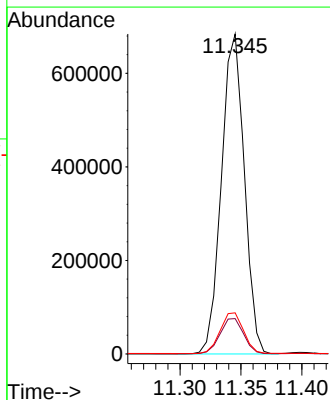
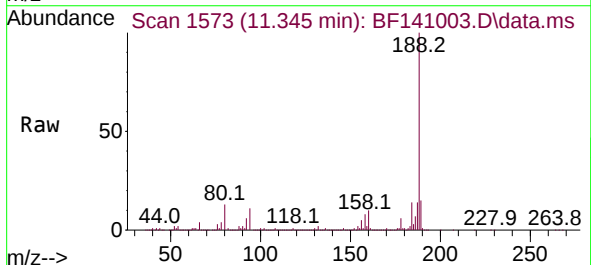
Manual Integrations
APPROVED

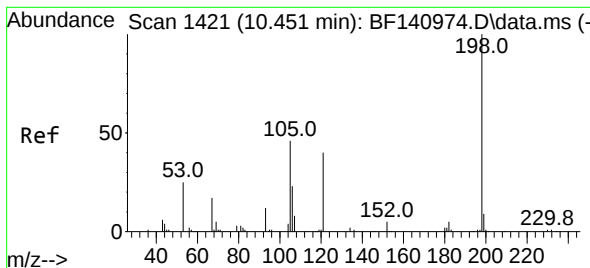
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

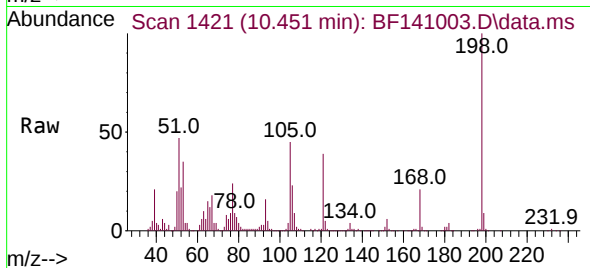
Tgt Ion:188 Resp: 894495
Ion Ratio Lower Upper
188 100
94 11.1 9.0 13.6
80 12.8 9.8 14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 59.257 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

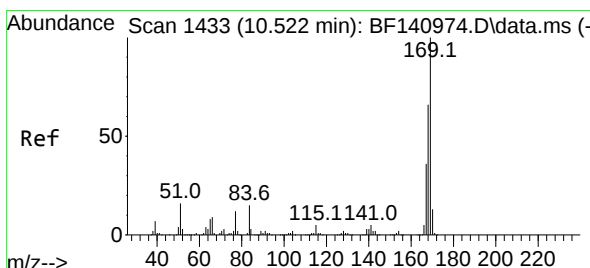
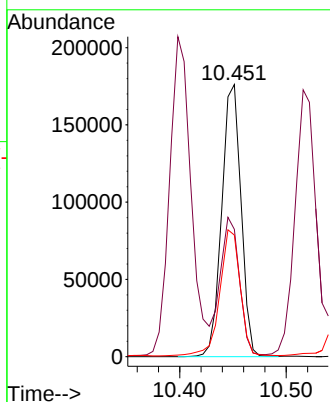
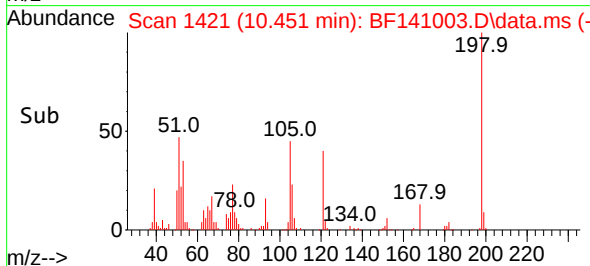
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



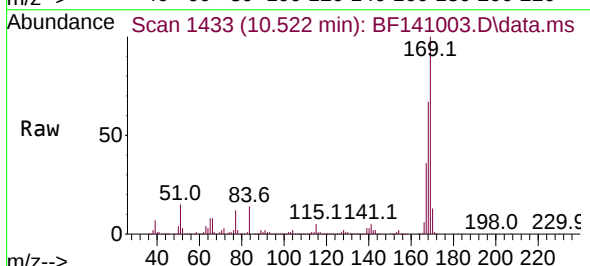
Tgt Ion:198 Resp: 221041
Ion Ratio Lower Upper
198 100
51 46.8 32.3 72.3
105 44.7 28.4 68.4

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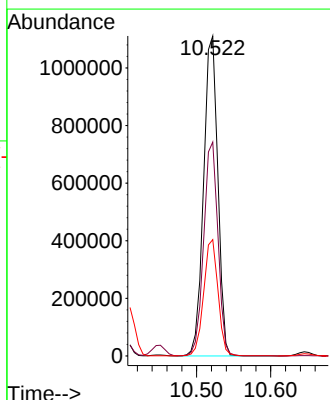
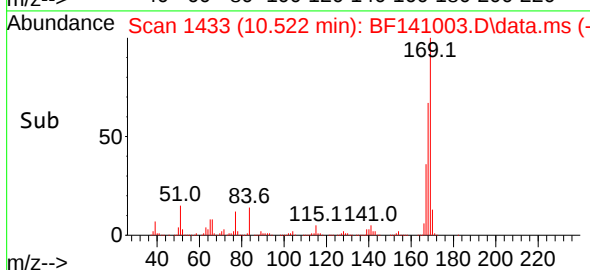
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

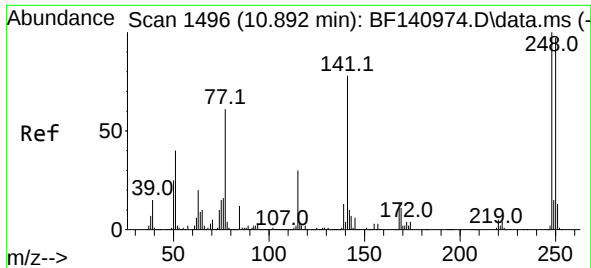


#66
n-Nitrosodiphenylamine
Concen: 52.682 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



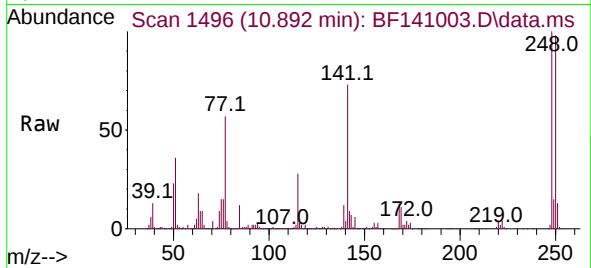
Tgt Ion:169 Resp: 1483931
Ion Ratio Lower Upper
169 100
168 66.9 52.6 79.0
167 36.4 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 53.912 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

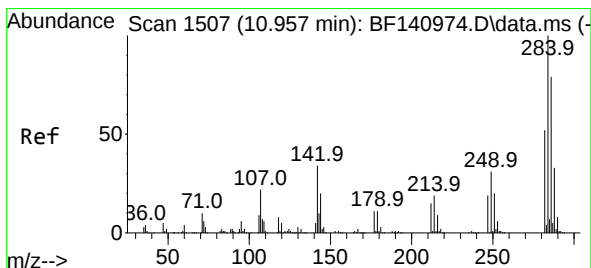
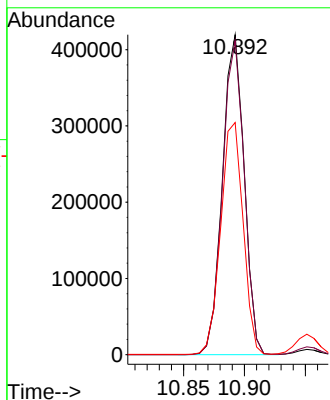
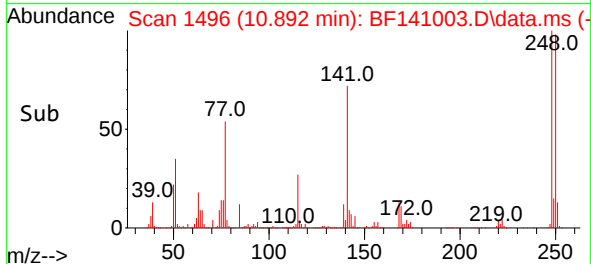
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



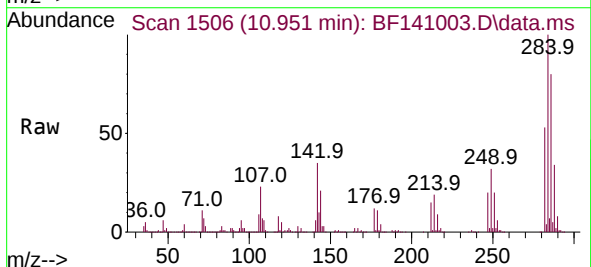
Tgt Ion:248 Resp: 521314
Ion Ratio Lower Upper
248 100
250 98.1 77.7 116.5
141 72.5 62.1 93.1

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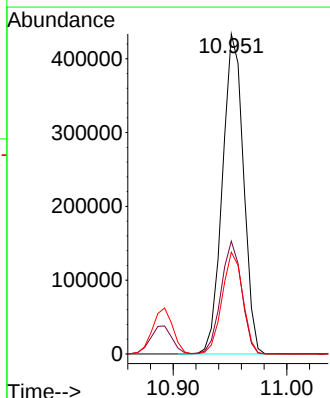
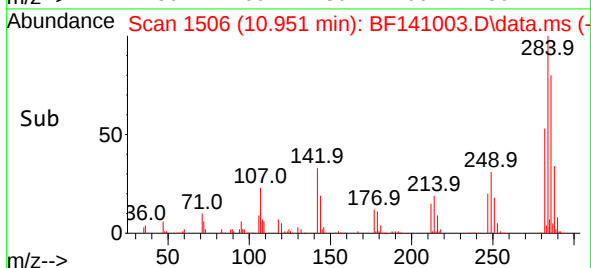
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

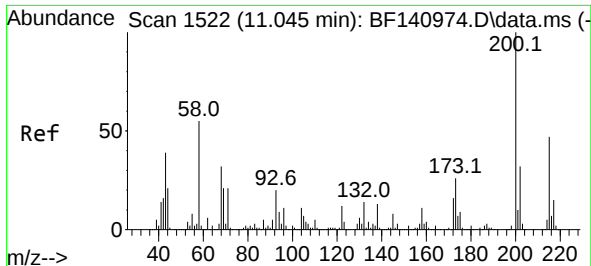


#68
Hexachlorobenzene
Concen: 52.239 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



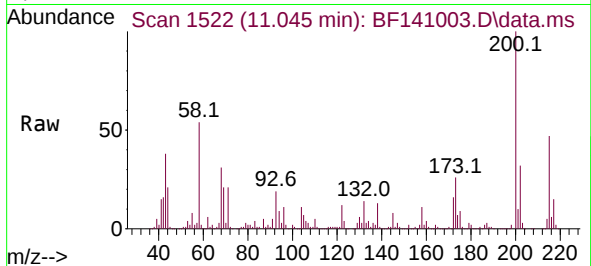
Tgt Ion:284 Resp: 556990
Ion Ratio Lower Upper
284 100
142 35.2 27.1 40.7
249 31.8 25.1 37.7





#69
 Atrazine
 Concen: 63.534 ng
 RT: 11.045 min Scan# 1522
 Delta R.T. 0.000 min
 Lab File: BF141003.D
 Acq: 27 Dec 2024 18:13

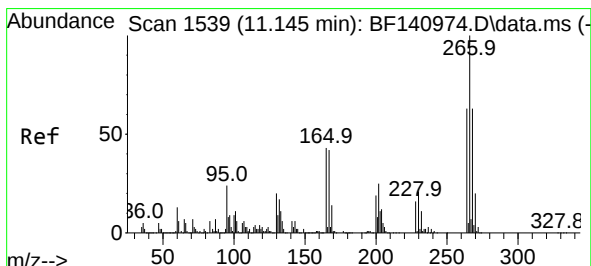
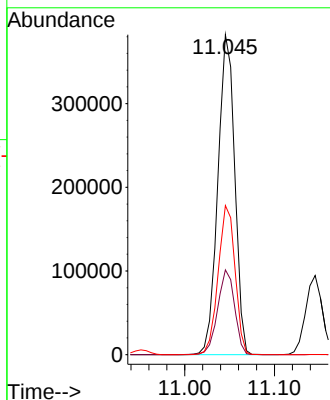
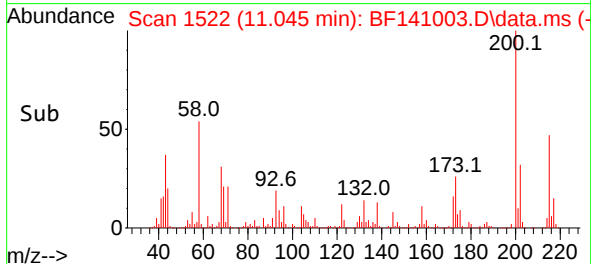
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD



Tgt Ion:200 Resp: 499952
 Ion Ratio Lower Upper
 200 100
 173 26.5 6.4 46.4
 215 46.6 27.2 67.2

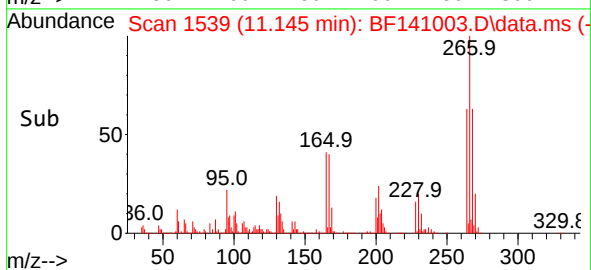
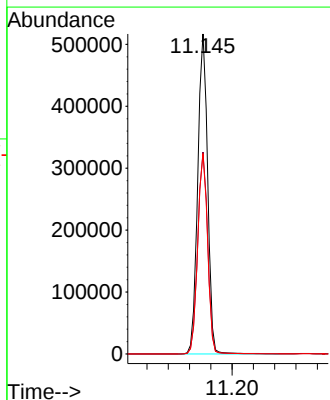
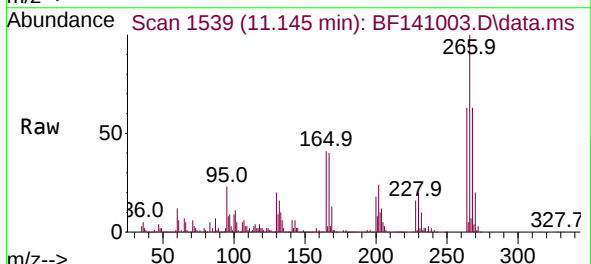
Manual Integrations
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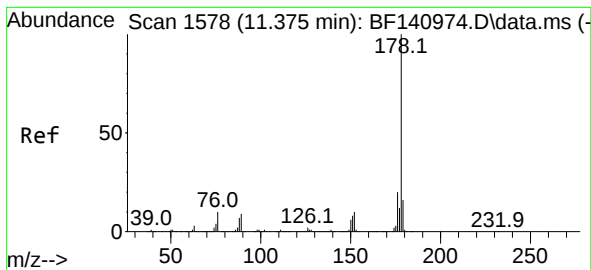
Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024



#70
 Pentachlorophenol
 Concen: 100.239 ng
 RT: 11.145 min Scan# 1539
 Delta R.T. 0.000 min
 Lab File: BF141003.D
 Acq: 27 Dec 2024 18:13

Tgt Ion:266 Resp: 665427
 Ion Ratio Lower Upper
 266 100
 268 63.1 50.5 75.7
 264 62.6 50.2 75.4





#71

Phenanthrene

Concen: 51.515 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:178 Resp: 242524

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

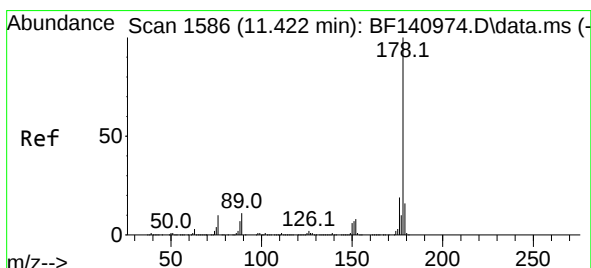
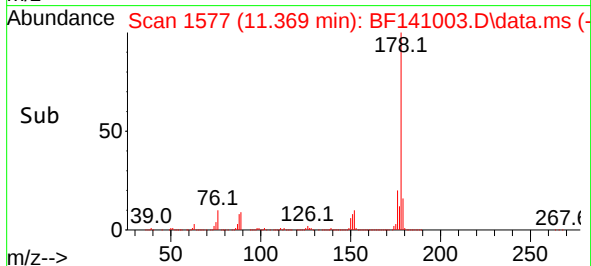
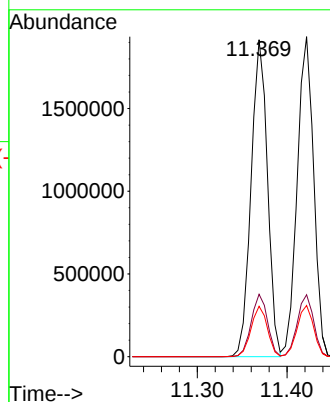
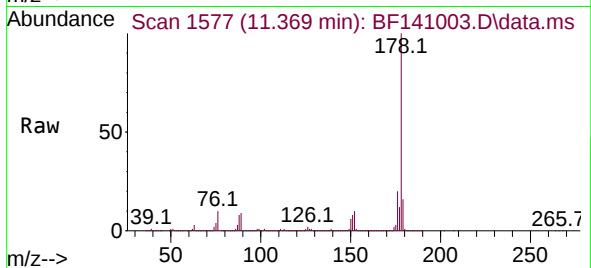
179 15.9 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#72

Anthracene

Concen: 53.397 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

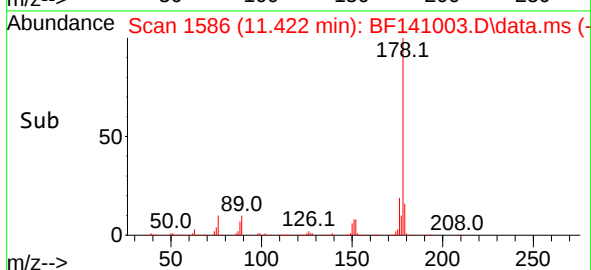
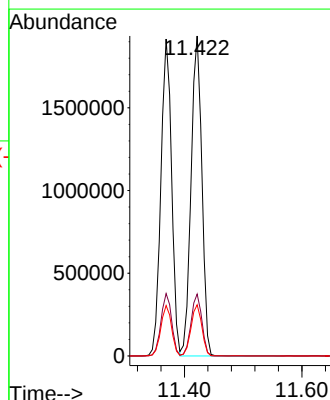
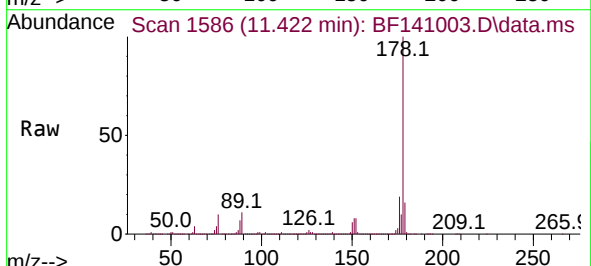
Tgt Ion:178 Resp: 2463235

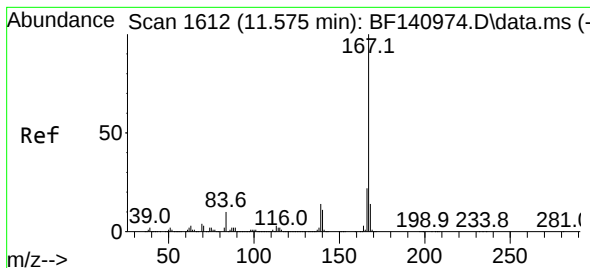
Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

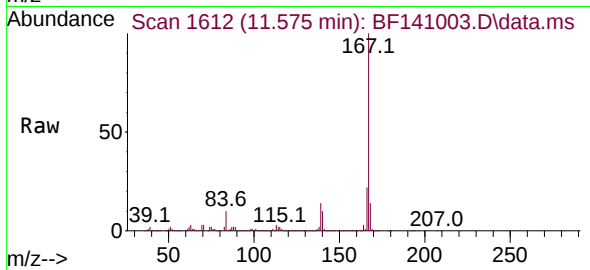
179 16.0 12.9 19.3





#73
 Carbazole
 Concen: 45.526 ng
 RT: 11.575 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF141003.D
 Acq: 27 Dec 2024 18:13

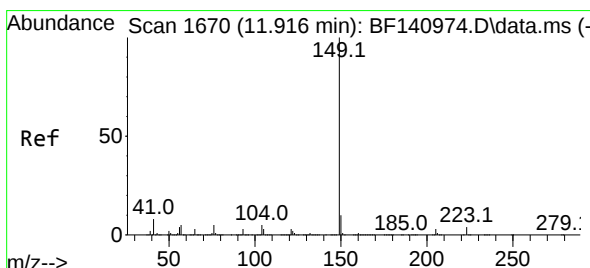
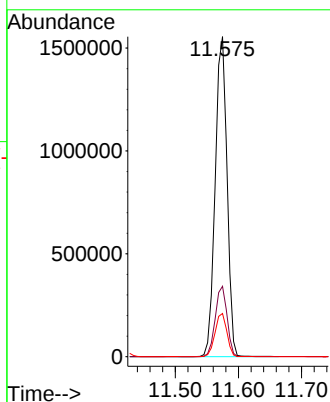
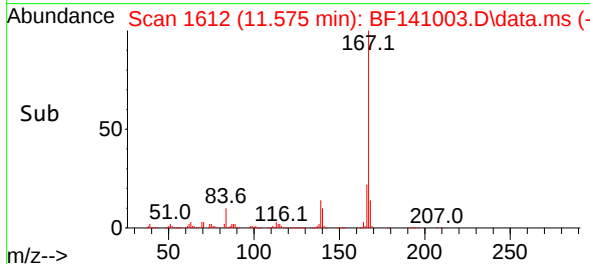
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20241219MSD



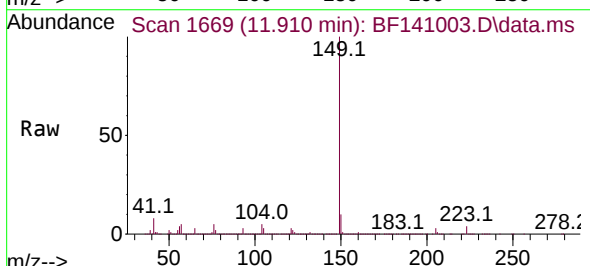
Tgt Ion:167 Resp: 2018900
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.5 26.3
 139 13.5 11.0 16.4

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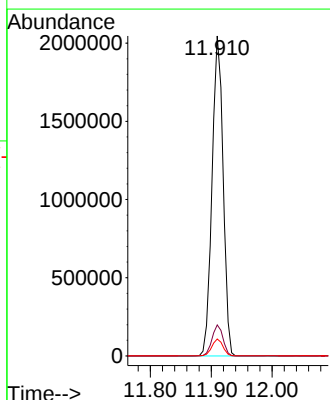
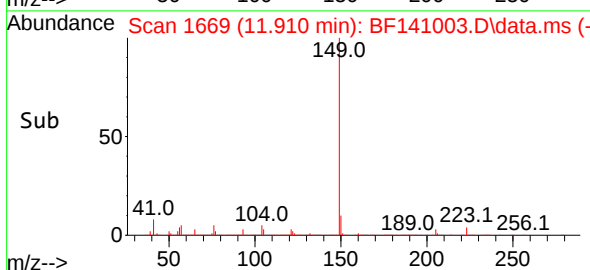
Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

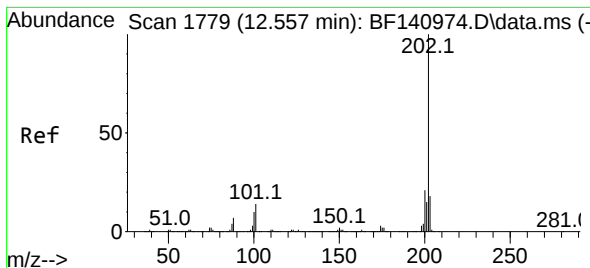


#74
 Di-n-butylphthalate
 Concen: 51.176 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.006 min
 Lab File: BF141003.D
 Acq: 27 Dec 2024 18:13



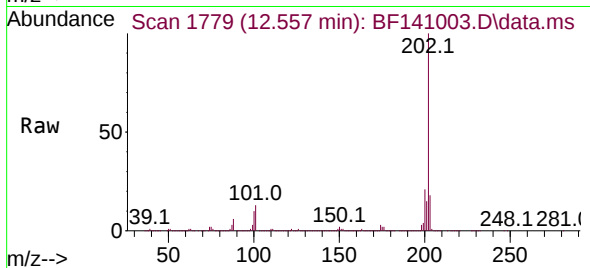
Tgt Ion:149 Resp: 2581274
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.7 11.5
 104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 43.566 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

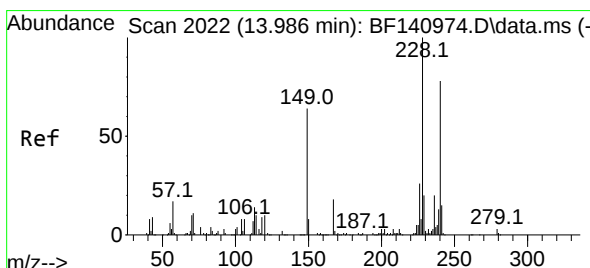
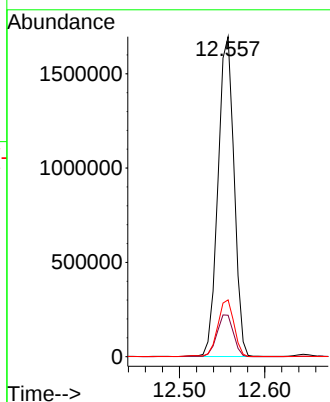
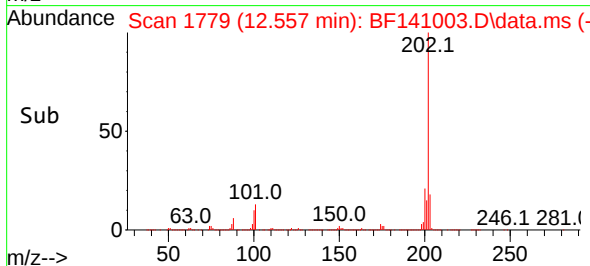
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:202 Resp: 222444
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.7
203 17.7 0.0 38.1

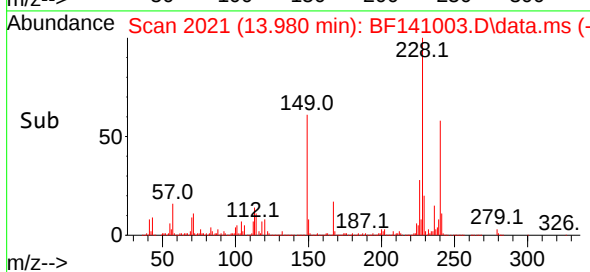
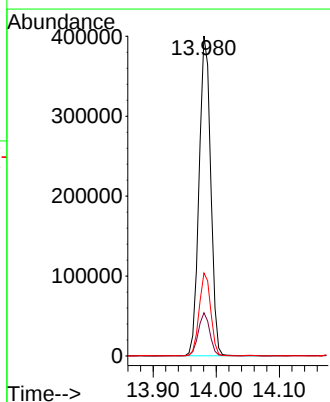
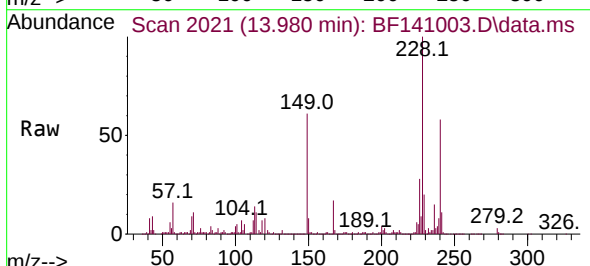
Manual Integrations
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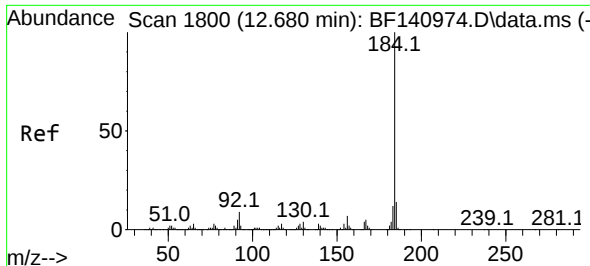
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:240 Resp: 509383
Ion Ratio Lower Upper
240 100
120 13.5 10.7 16.1
236 25.9 20.6 31.0





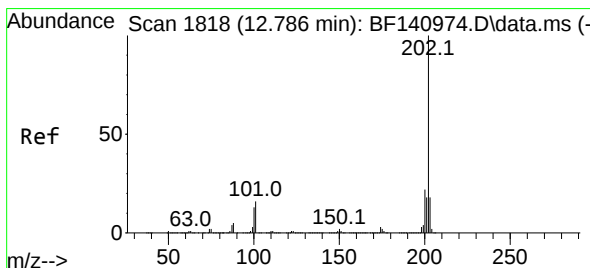
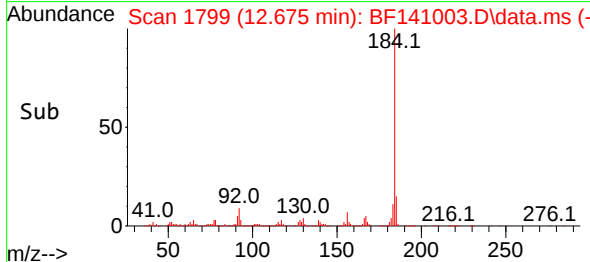
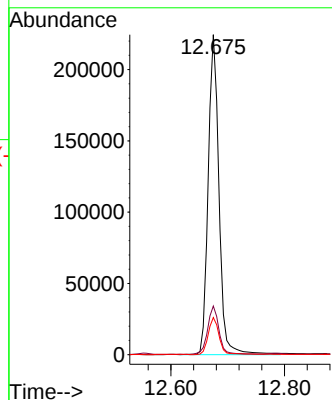
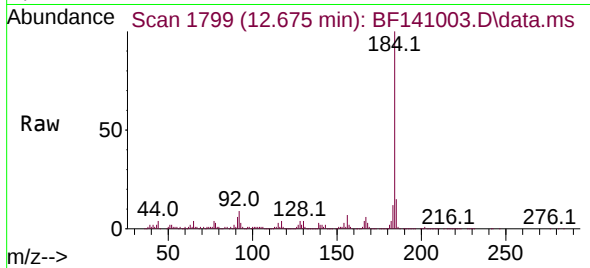
#77
Benzidine
Concen: 27.416 ng
RT: 12.675 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Instrument : BNA_F
ClientSampleId : WC-SOIL-20241219MSD

Tgt Ion:184 Resp: 29514
Ion Ratio Lower Upper
184 100
185 15.2 11.4 17.2
183 11.6 9.4 14.0

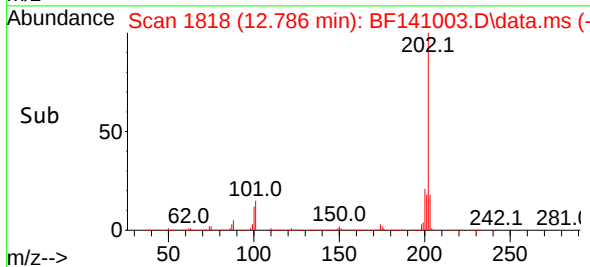
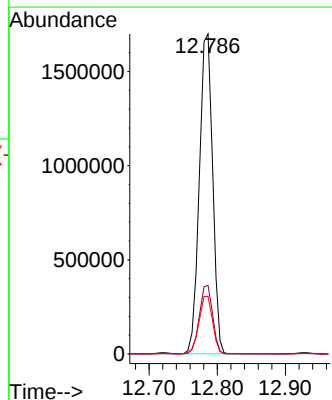
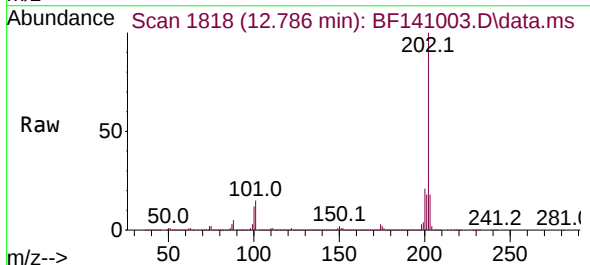
Manual Integrations
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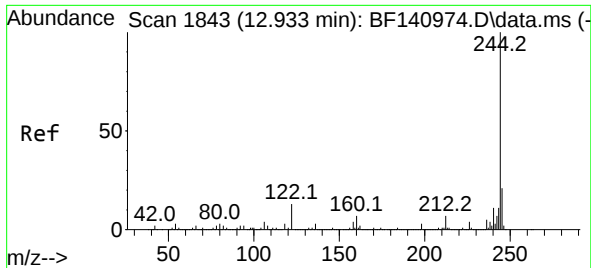
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#78
Pyrene
Concen: 51.800 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

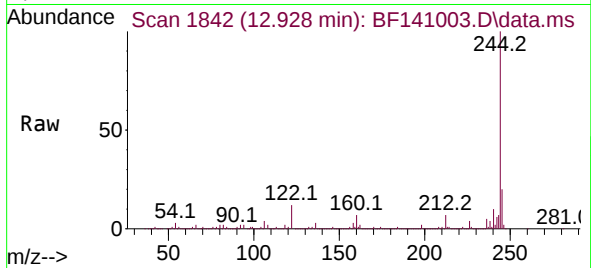
Tgt Ion:202 Resp: 2307667
Ion Ratio Lower Upper
202 100
200 21.5 17.3 25.9
203 18.0 14.6 21.8





#79
Terphenyl-d14
Concen: 72.602 ng
RT: 12.928 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

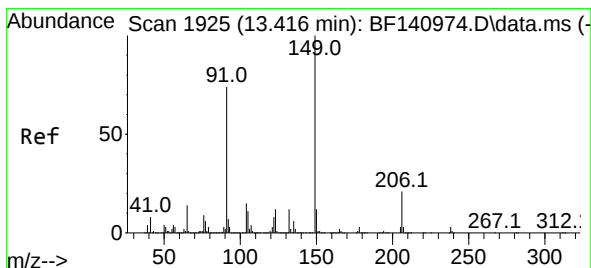
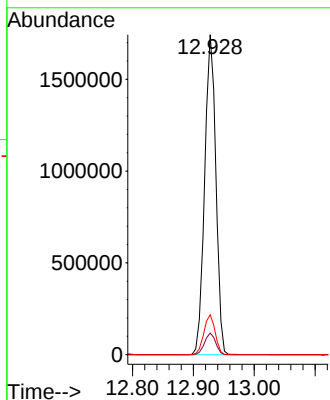
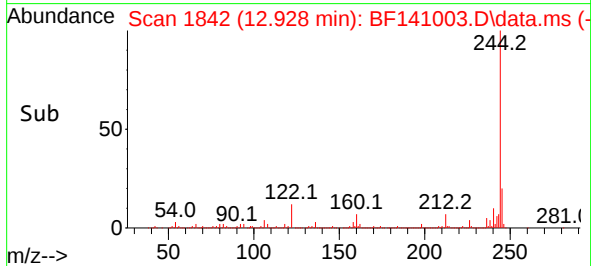
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



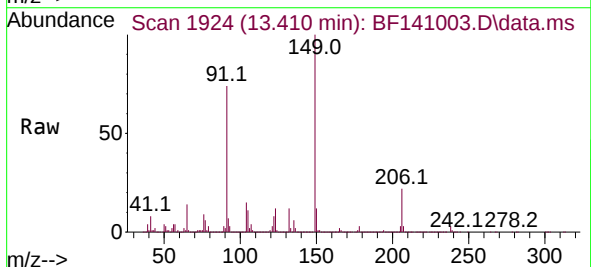
Tgt Ion:244 Resp: 2226510
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 12.5 10.2 15.2

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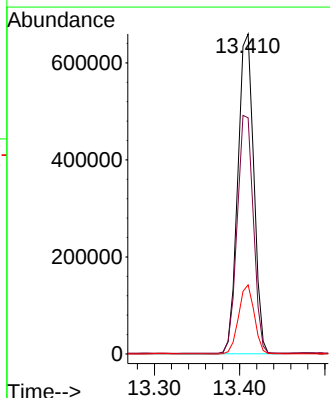
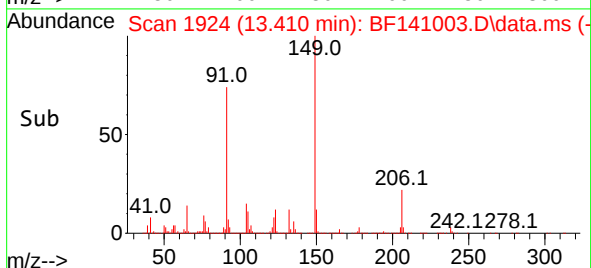
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

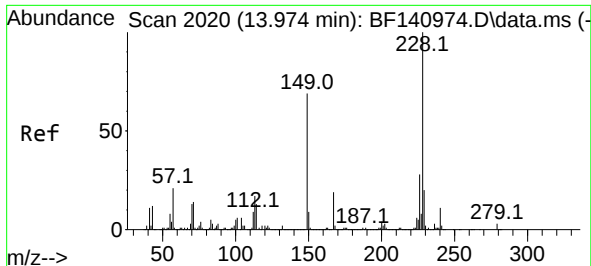


#80
Butylbenzylphthalate
Concen: 52.712 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13



Tgt Ion:149 Resp: 857483
Ion Ratio Lower Upper
149 100
91 73.8 59.5 89.3
206 21.6 17.1 25.7





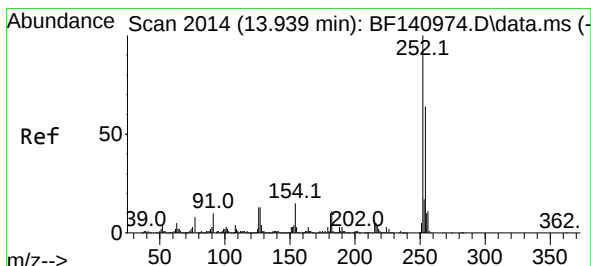
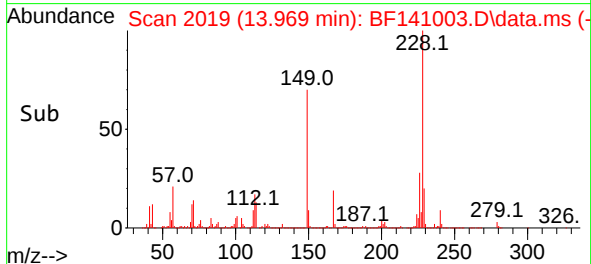
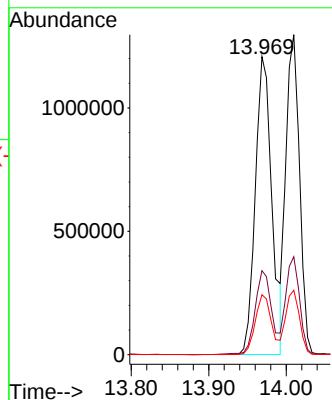
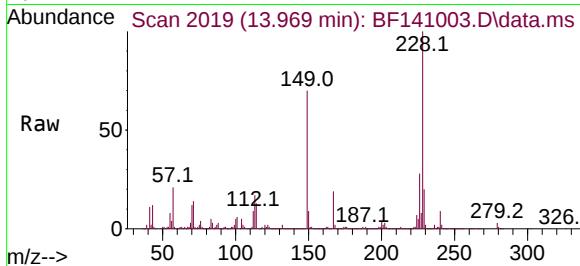
#81
Benzo(a)anthracene
Concen: 50.364 ng
RT: 13.969 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:228 Resp: 178797
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 20.2 16.2 24.2

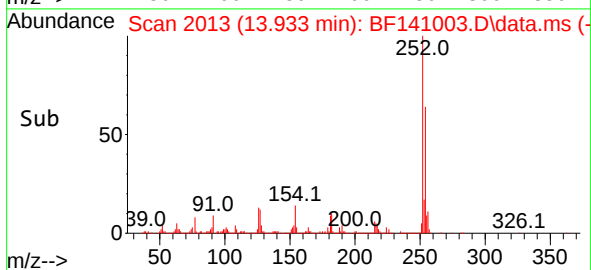
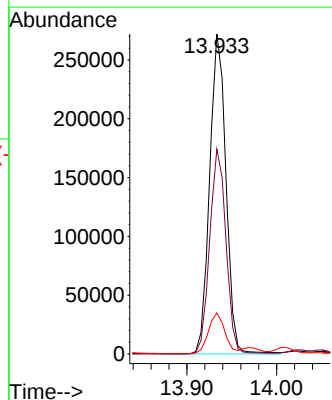
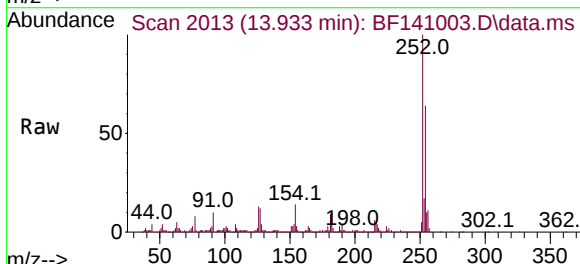
Manual Integrations
APPROVED

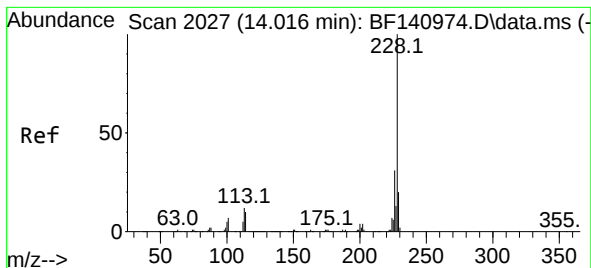
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#82
3,3'-Dichlorobenzidine
Concen: 32.238 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:252 Resp: 343860
Ion Ratio Lower Upper
252 100
254 64.0 51.5 77.3
126 12.8 10.3 15.5





#83

Chrysene

Concen: 48.974 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:228 Resp: 156731

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

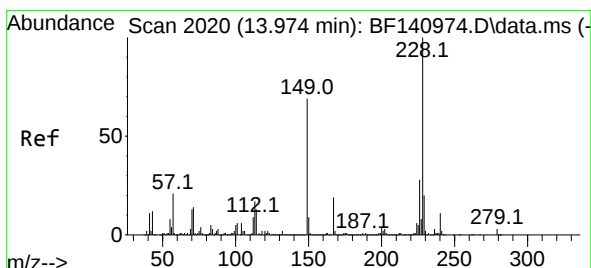
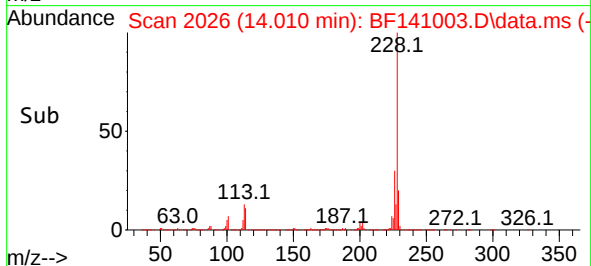
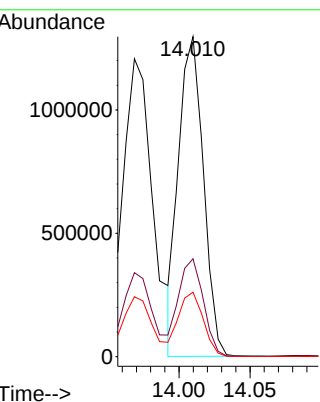
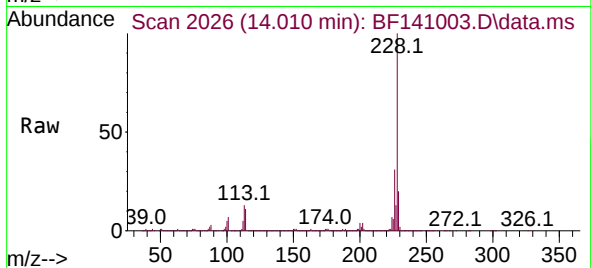
229 20.2 16.2 24.4

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: 51.520 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

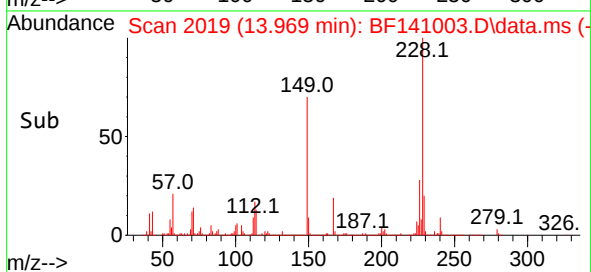
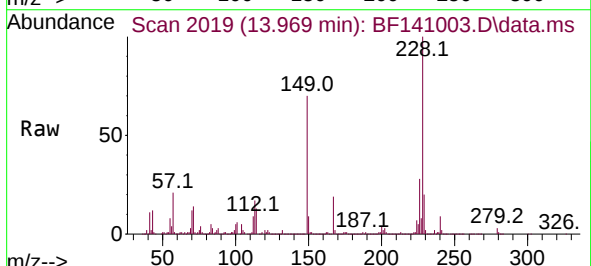
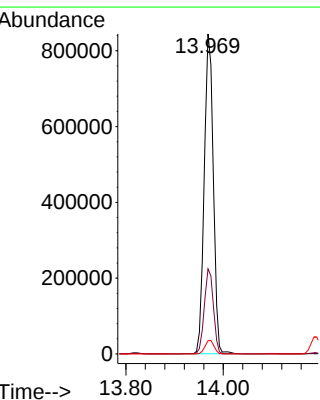
Tgt Ion:149 Resp: 1087121

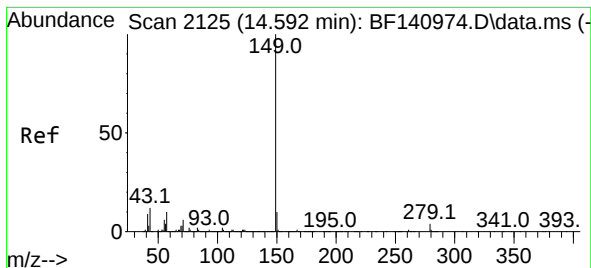
Ion Ratio Lower Upper

149 100

167 26.6 21.6 32.4

279 4.1 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 59.602 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BF141003.D

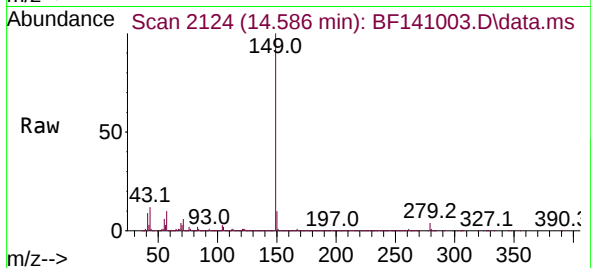
Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD



Tgt Ion:149 Resp: 1820294

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

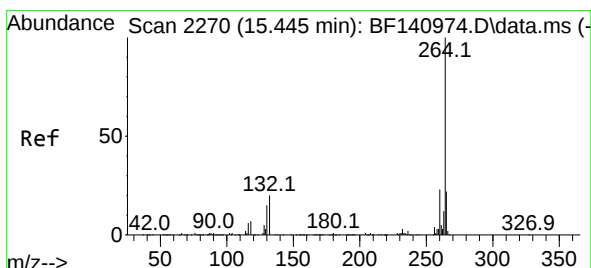
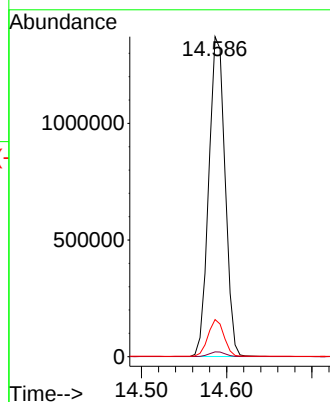
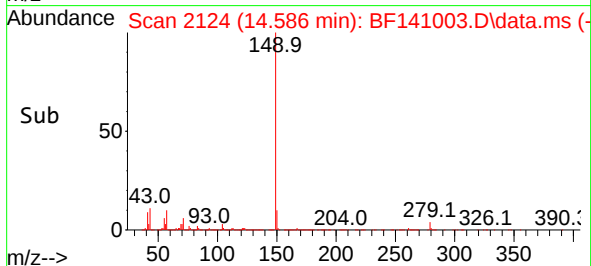
43 11.2 9.3 13.9

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: 15.439 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

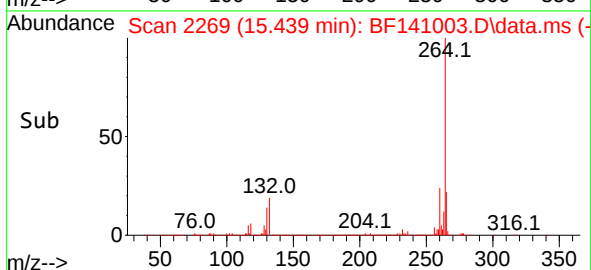
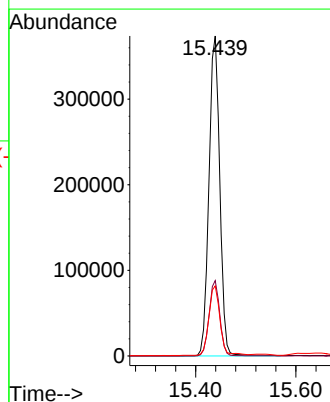
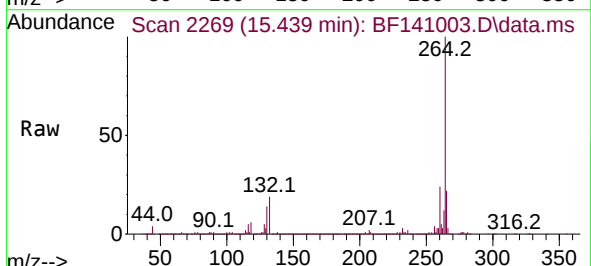
Tgt Ion:264 Resp: 560831

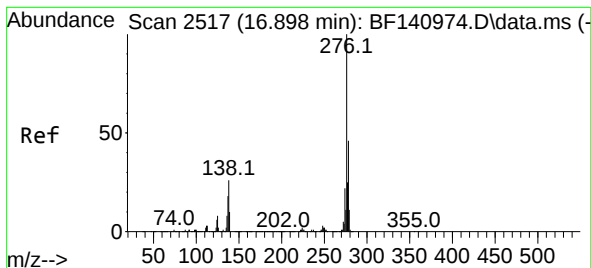
Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.551 ng

RT: 16.886 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:276 Resp: 168016

Ion Ratio Lower Upper

276 100

138 28.0 23.1 34.7

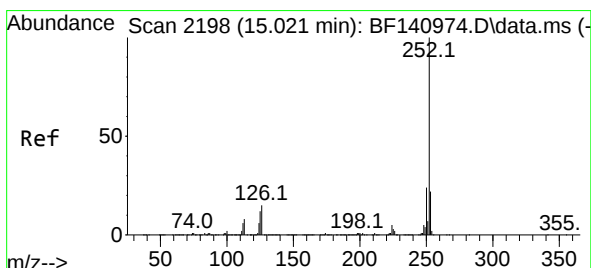
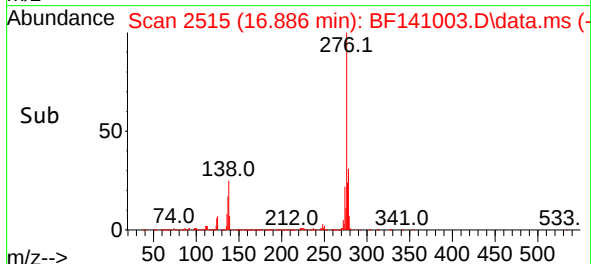
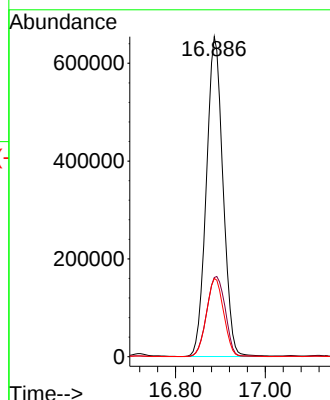
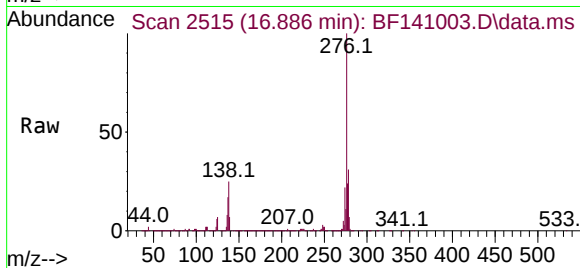
277 25.4 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#88

Benzo(b)fluoranthene

Concen: 49.300 ng

RT: 15.016 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

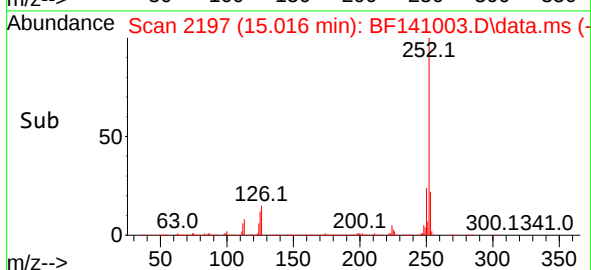
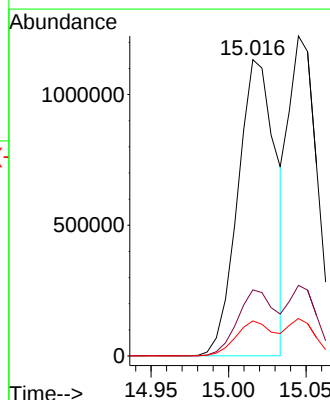
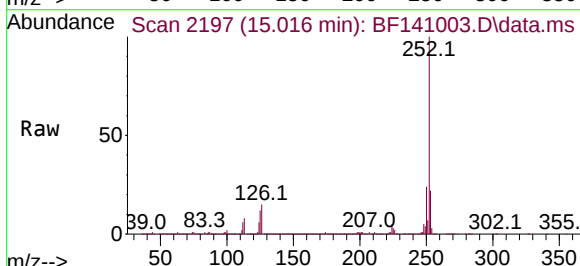
Tgt Ion:252 Resp: 1928344

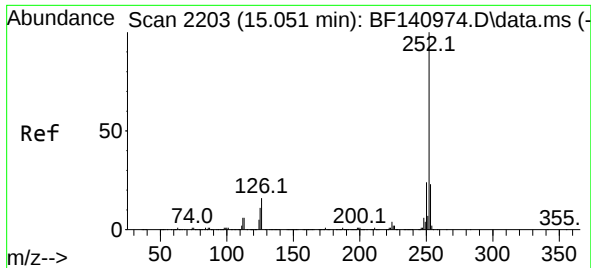
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

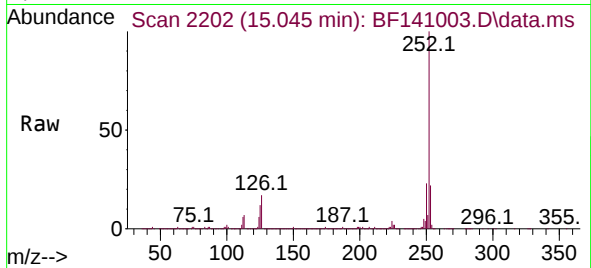
125 11.8 9.3 13.9





#89
Benzo(k)fluoranthene
Concen: 50.910 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

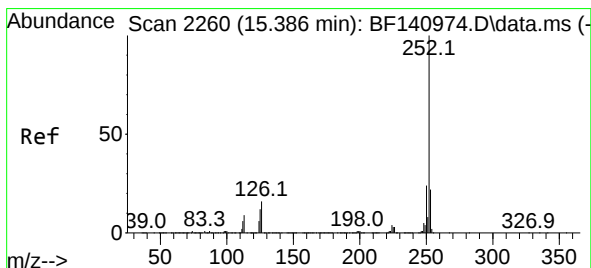
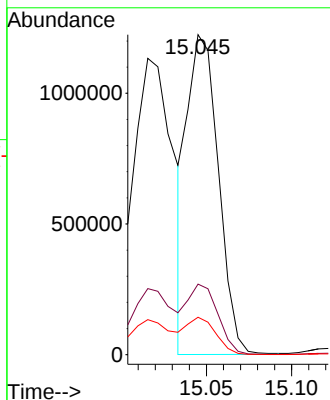
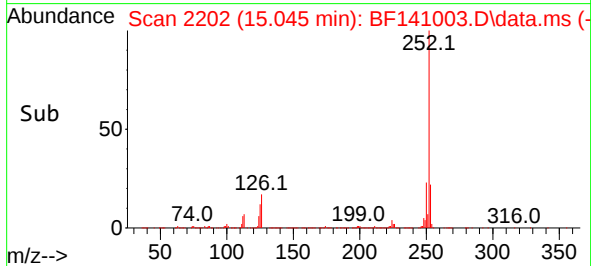
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD



Tgt Ion:252 Resp: 1560739
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 11.7 9.4 14.0

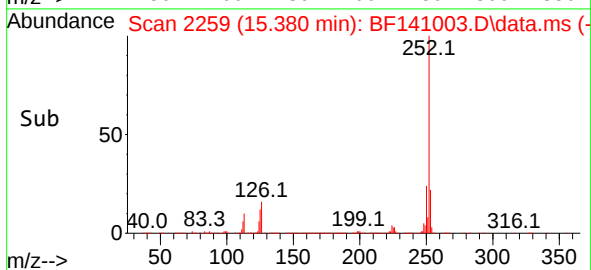
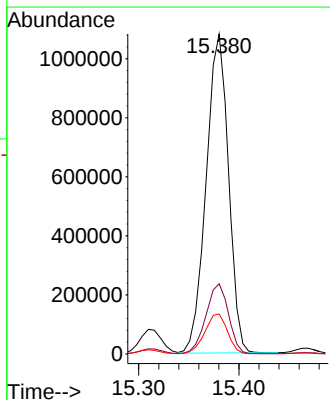
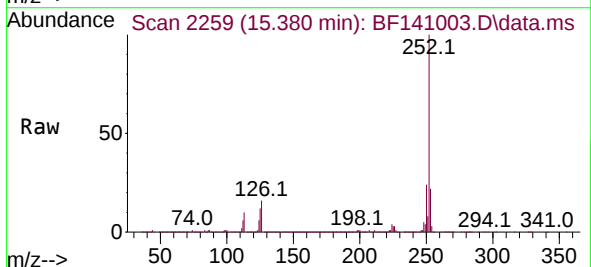
Manual Integrations
APPROVED

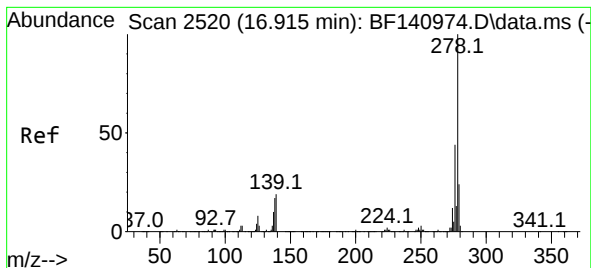
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#90
Benzo(a)pyrene
Concen: 55.106 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:252 Resp: 1673025
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 12.5 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 46.445 ng

RT: 16.910 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20241219MSD

Tgt Ion:278 Resp: 133028

Ion Ratio Lower Upper

278 100

139 17.7 14.9 22.3

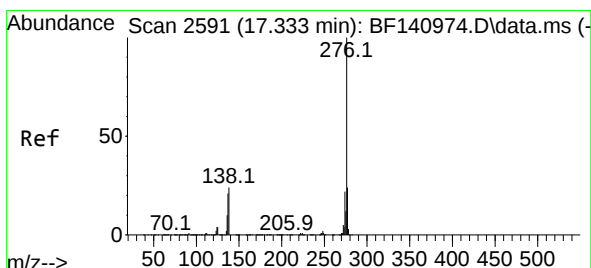
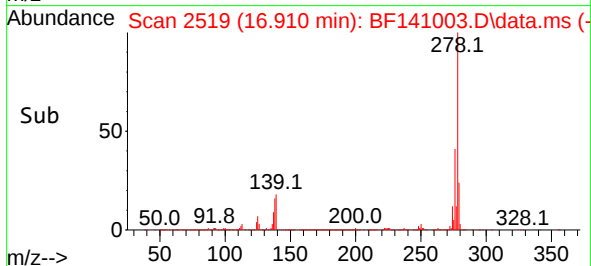
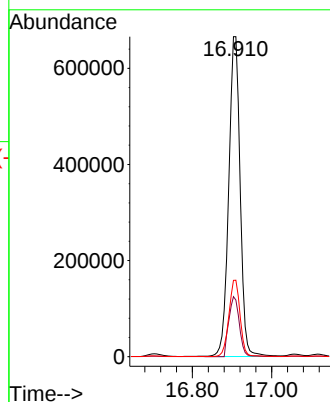
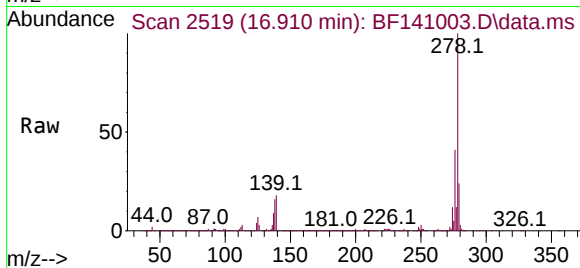
279 23.9 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#92

Benzo(g,h,i)perylene

Concen: 41.756 ng

RT: 17.321 min Scan# 2589

Delta R.T. -0.012 min

Lab File: BF141003.D

Acq: 27 Dec 2024 18:13

Tgt Ion:276 Resp: 1240443

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 24.5 19.4 29.2

