

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143122.D
 Acq On : 16 Jul 2025 22:09
 Operator : RC/JU
 Sample : Q2592-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS

Quant Time: Jul 17 03:45:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	147018	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	556657	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	279575	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	442443	20.000	ng	0.00
76) Chrysene-d12	14.127	240	237238	20.000	ng	0.00
86) Perylene-d12	15.633	264	283551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	929786	99.920	ng	0.02
7) Phenol-d6	6.586	99	1110845	94.970	ng	0.00
23) Nitrobenzene-d5	7.522	82	799375	80.558	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	314839	126.298	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1438701	68.405	ng	0.00
79) Terphenyl-d14	13.074	244	1130292	69.646	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	152658	32.957	ng	# 89
3) Pyridine	3.716	79	345508	29.456	ng	99
4) n-Nitrosodimethylamine	3.651	42	218794	36.003	ng	99
6) Aniline	6.628	93	233504	14.176	ng	99
8) 2-Chlorophenol	6.751	128	367790	39.339	ng	100
9) Benzaldehyde	6.516	77	184618	20.714	ng	99
10) Phenol	6.604	94	447469	35.338	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	371882	37.937	ng	99
12) 1,3-Dichlorobenzene	6.910	146	374742	35.480	ng	99
13) 1,4-Dichlorobenzene	6.986	146	379205	35.686	ng	100
14) 1,2-Dichlorobenzene	7.139	146	367410	36.258	ng	100
15) Benzyl Alcohol	7.098	79	356998	41.191	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.239	45	669145	37.031	ng	99
17) 2-Methylphenol	7.210	107	318220	39.442	ng	99
18) Hexachloroethane	7.486	117	128982	37.286	ng	97
19) n-Nitroso-di-n-propyla...	7.375	70	284422	39.690	ng	99
20) 3+4-Methylphenols	7.363	107	384937	38.905	ng	92
22) Acetophenone	7.369	105	517043	38.531	ng	94
24) Nitrobenzene	7.545	77	408070	42.599	ng	97
25) Isophorone	7.781	82	781406	40.742	ng	99
26) 2-Nitrophenol	7.857	139	167379	44.075	ng	98
27) 2,4-Dimethylphenol	7.892	122	365844	41.098	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	475295	40.866	ng	99
29) 2,4-Dichlorophenol	8.098	162	309908	42.554	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	318849	38.578	ng	99
31) Naphthalene	8.269	128	1074621	38.875	ng	100
33) 4-Chloroaniline	8.304	127	61328	5.517	ng	99
34) Hexachlorobutadiene	8.392	225	192967	39.039	ng	99
35) Caprolactam	8.663	113	80291m	35.306	ng	
36) 4-Chloro-3-methylphenol	8.786	107	340734	42.002	ng	100
37) 2-Methylnaphthalene	8.963	142	671479	40.718	ng	99
38) 1-Methylnaphthalene	9.063	142	688897	40.277	ng	100
40) 1,2,4,5-Tetrachloroben...	9.127	216	318144	39.048	ng	99
41) Hexachlorocyclopentadiene	9.122	237	357351	79.110	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	222112	43.874	ng	99
44) 2,4,5-Trichlorophenol	9.275	196	229401	43.216	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.422	154	899008	40.322	ng	99
47) 2-Chloronaphthalene	9.451	162	655257	40.006	ng	99
48) 2-Nitroaniline	9.533	65	211327	43.531	ng	99
49) Acenaphthylene	9.869	152	1124808	41.213	ng	100
50) Dimethylphthalate	9.722	163	771833	43.883	ng	100
51) 2,6-Dinitrotoluene	9.780	165	157757	45.543	ng	90
52) Acenaphthene	10.039	154	647980	40.233	ng	99
53) 3-Nitroaniline	9.945	138	90479	23.807	ng	98
54) 2,4-Dinitrophenol	10.045	184	24192	26.899	ng	# 1
55) Dibenzofuran	10.210	168	979540	40.804	ng	99
56) 4-Nitrophenol	10.098	139	229295	75.913	ng	95
57) 2,4-Dinitrotoluene	10.180	165	200358	46.293	ng	99
58) Fluorene	10.551	166	727865	40.441	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	185838	44.054	ng	99
60) Diethylphthalate	10.422	149	727950	42.899	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	357337	41.424	ng	99
62) 4-Nitroaniline	10.557	138	148386	44.897	ng	100
63) Azobenzene	10.704	77	789208	42.054	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	31475	24.093	ng	96
66) n-Nitrosodiphenylamine	10.657	169	657305	42.294	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	217241	43.176	ng	98
68) Hexachlorobenzene	11.104	284	227007	42.521	ng	98
69) Atrazine	11.180	200	182643	45.934	ng	98
70) Pentachlorophenol	11.292	266	219946	75.092	ng	98
71) Phenanthrene	11.516	178	994655	41.656	ng	99
72) Anthracene	11.569	178	1004134	41.818	ng	100
73) Carbazole	11.716	167	889232	41.337	ng	100
74) Di-n-butylphthalate	12.051	149	945553	47.886	ng	100
75) Fluoranthene	12.704	202	914970	42.142	ng	99
77) Benzidine	12.816	184	152530	18.872	ng	99
78) Pyrene	12.933	202	910638	41.371	ng	100
80) Butylbenzylphthalate	13.545	149	215653	48.710	ng	97
81) Benzo(a)anthracene	14.121	228	695070	43.967	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	65861	14.346	ng	100
83) Chrysene	14.157	228	618809	42.501	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	310803	46.699	ng	99
85) Di-n-octyl phthalate	14.727	149	608309	48.177	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	915260	43.399	ng	99
88) Benzo(b)fluoranthene	15.192	252	700576	42.833	ng	99
89) Benzo(k)fluoranthene	15.221	252	711413	45.593	ng	100
90) Benzo(a)pyrene	15.574	252	698480	45.154	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	737065	42.753	ng	99
92) Benzo(g,h,i)perylene	17.645	276	735081	41.822	ng	99

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

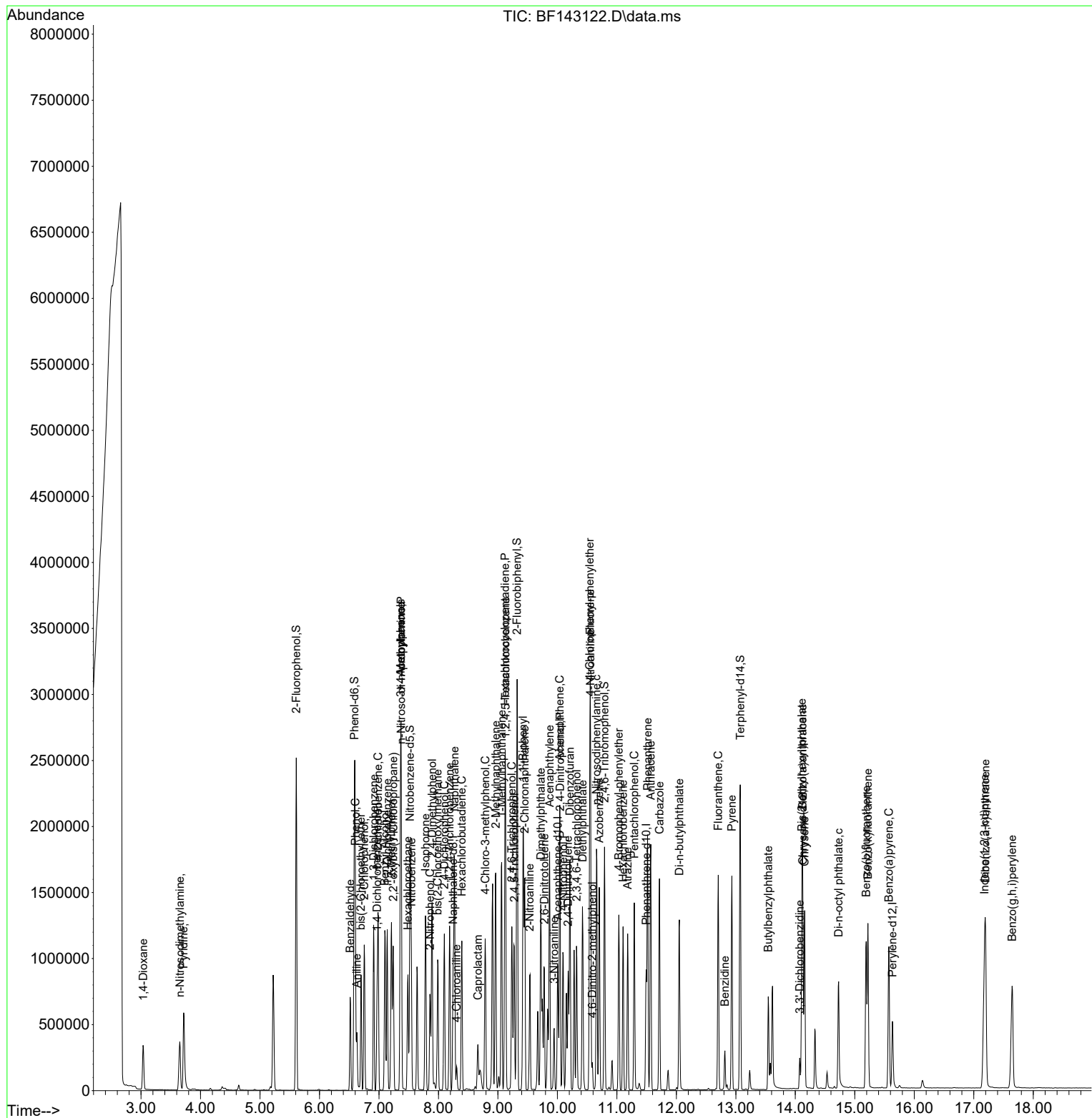
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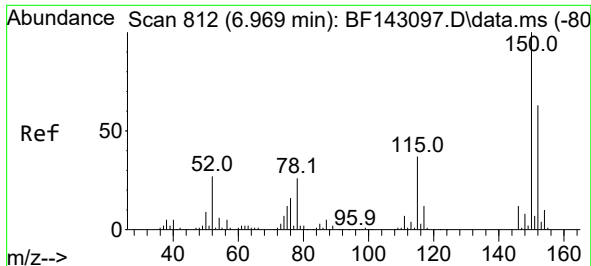
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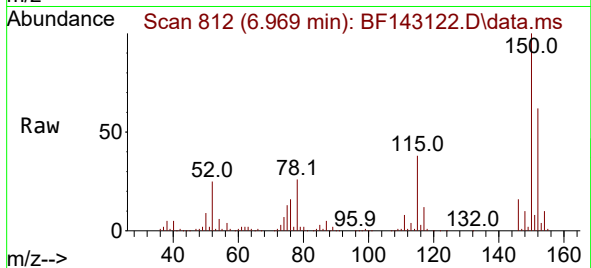
Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

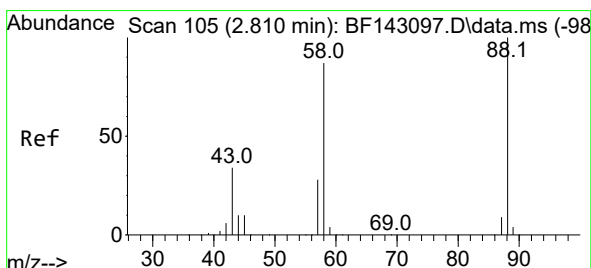
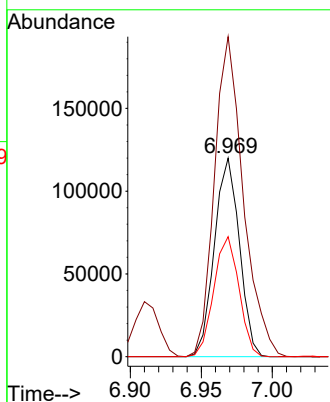
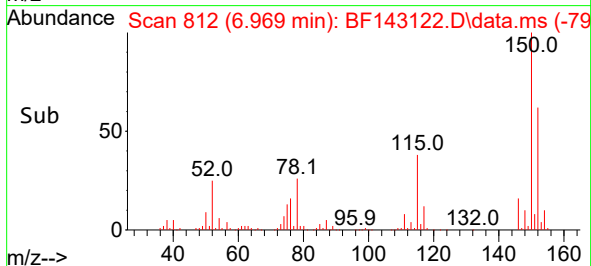
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS



Tgt Ion: 152 Resp: 147018
 Ion Ratio Lower Upper
 152 100
 150 161.1 126.5 189.7
 115 60.5 47.0 70.6

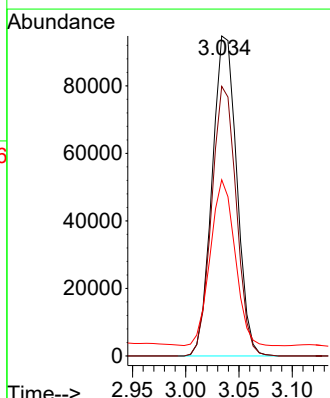
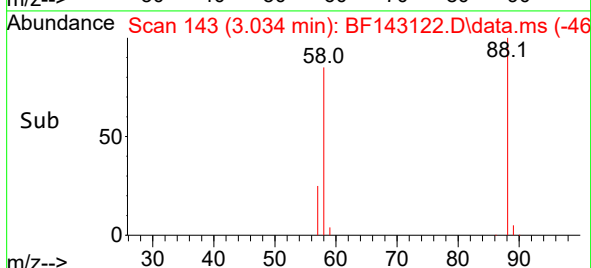
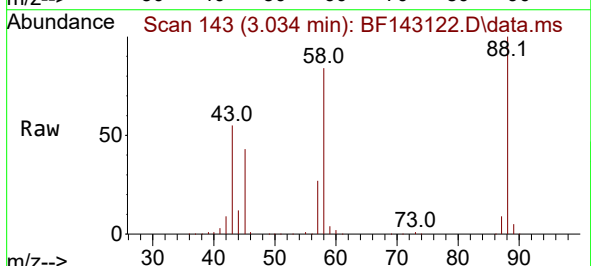
Manual Integrations
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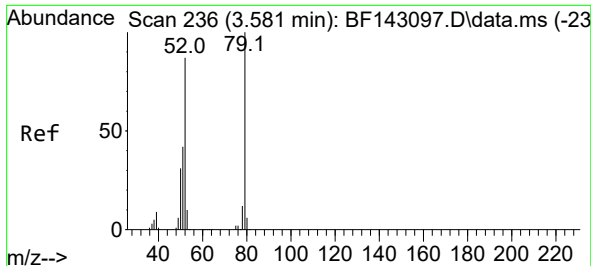
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#2
 1,4-Dioxane
 Concen: 32.957 ng
 RT: 3.034 min Scan# 143
 Delta R.T. 0.223 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

Tgt Ion: 88 Resp: 152658
 Ion Ratio Lower Upper
 88 100
 58 84.4 70.5 105.7
 43 51.7 27.3 40.9





#3

Pyridine

Concen: 29.456 ng

RT: 3.716 min Scan# 21

Delta R.T. 0.135 min

Lab File: BF143122.D

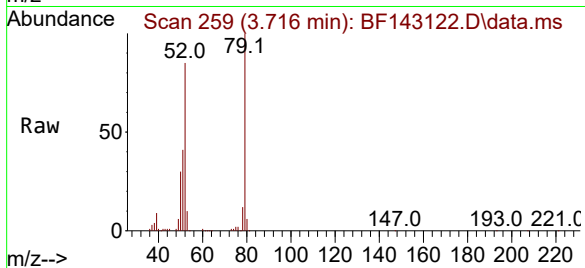
Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS



Tgt Ion: 79 Resp: 345508

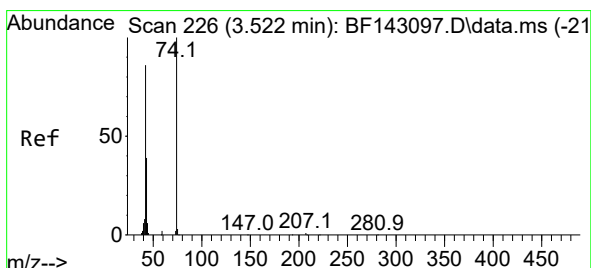
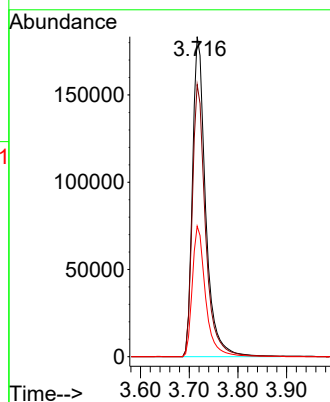
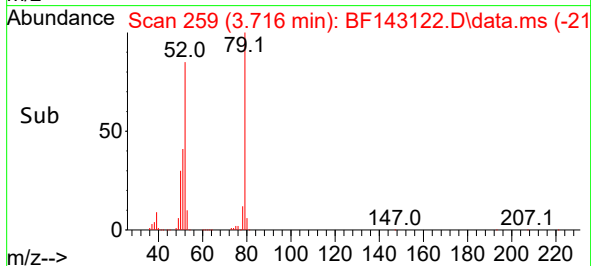
Ion	Ratio	Lower	Upper
79	100		
52	85.0	69.2	103.8
51	40.8	33.3	49.9

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 36.003 ng

RT: 3.651 min Scan# 248

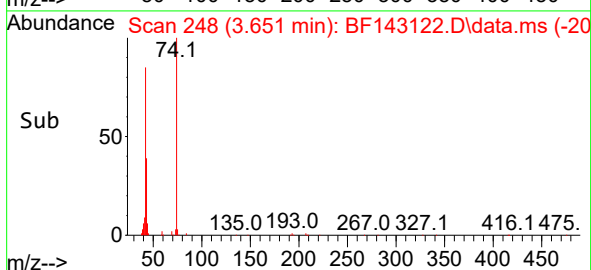
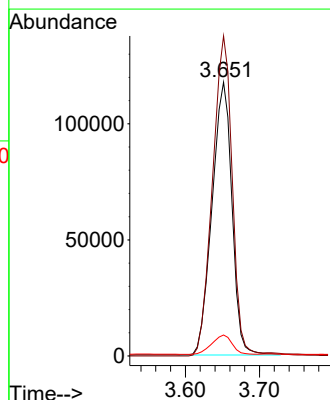
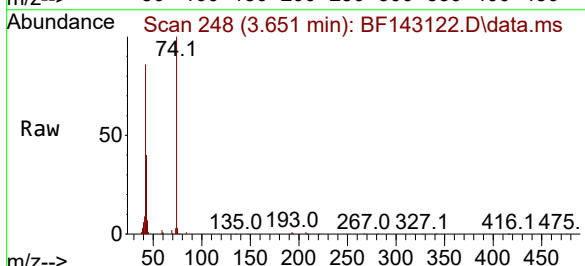
Delta R.T. 0.129 min

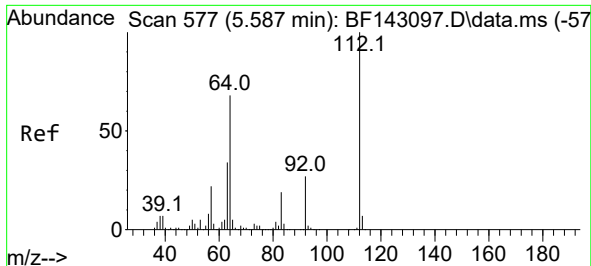
Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Tgt Ion: 42 Resp: 218794

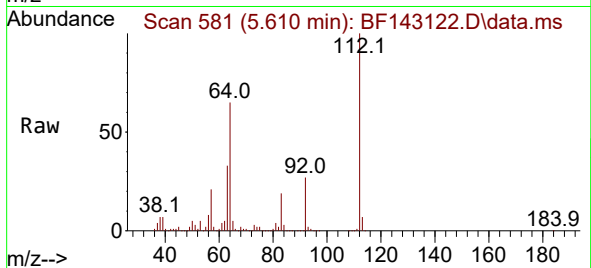
Ion	Ratio	Lower	Upper
42	100		
74	116.9	92.8	139.2
44	7.7	5.8	8.6





#5
2-Fluorophenol
Concen: 99.920 ng
RT: 5.610 min Scan# 581
Delta R.T. 0.023 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

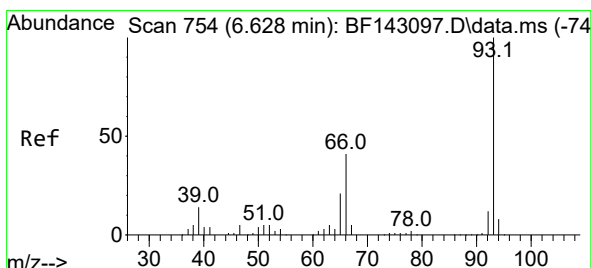
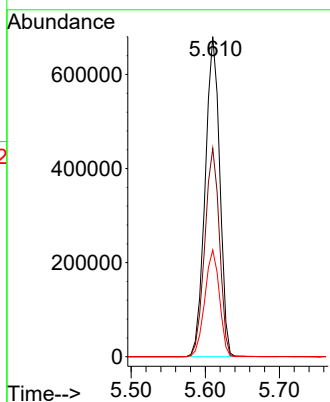
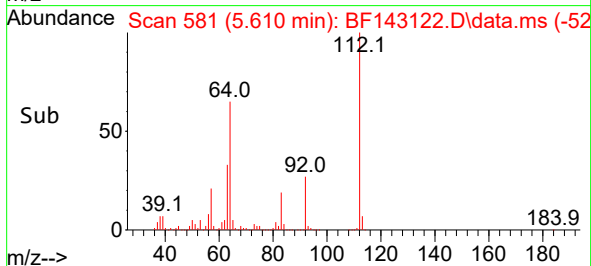
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WC-SOIL-20250711MS



Tgt Ion:112 Resp: 929780
Ion Ratio Lower Upper
112 100
64 65.1 54.6 82.0
63 33.4 27.3 40.9

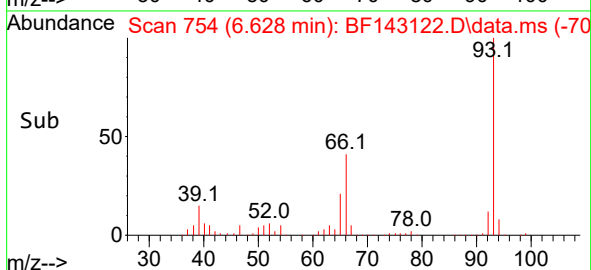
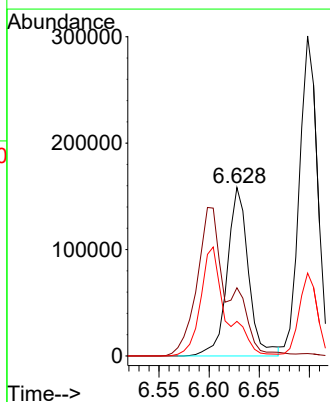
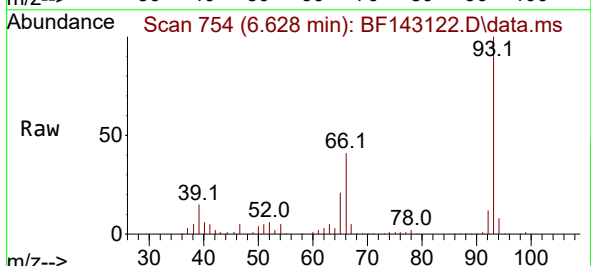
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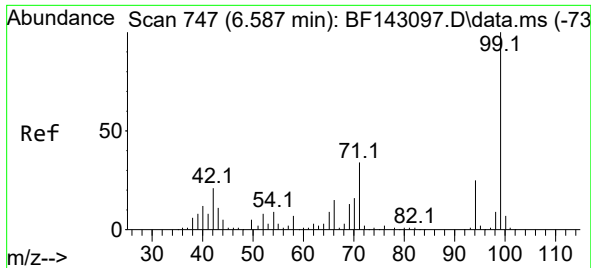
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#6
Aniline
Concen: 14.176 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

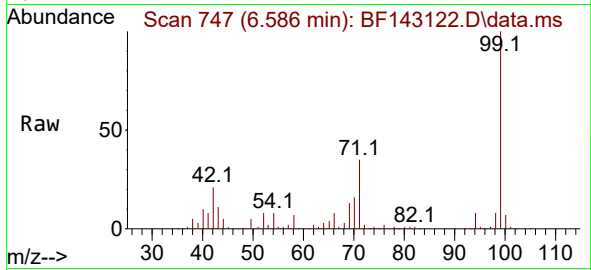
Tgt Ion: 93 Resp: 233504
Ion Ratio Lower Upper
93 100
66 40.5 33.1 49.7
65 20.5 16.9 25.3





#7
Phenol-d6
Concen: 94.970 ng
RT: 6.586 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

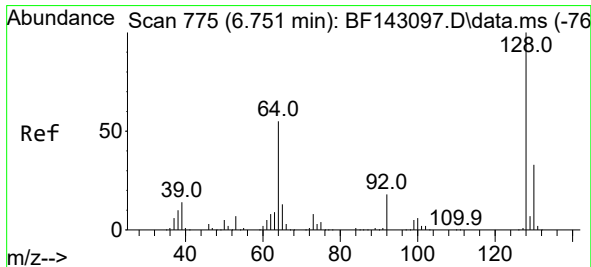
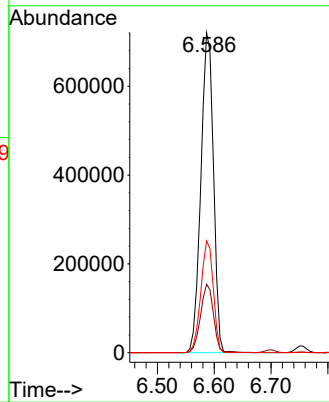
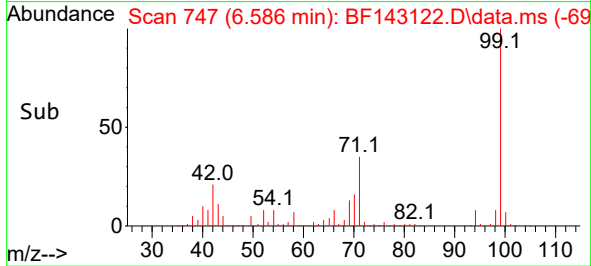
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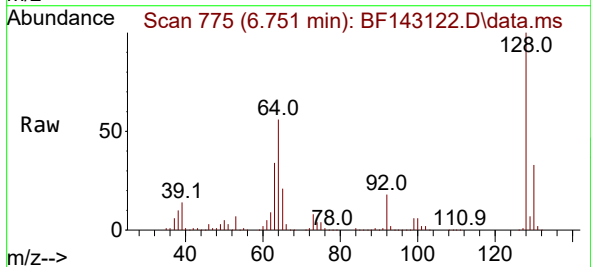
Tgt Ion: 99 Resp: 1110845
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 35.0 27.4 41.0

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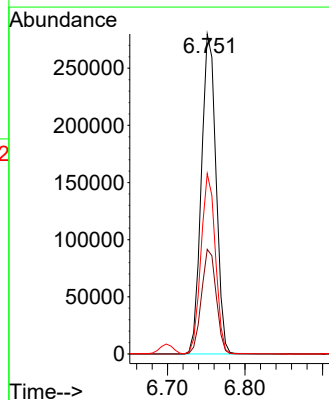
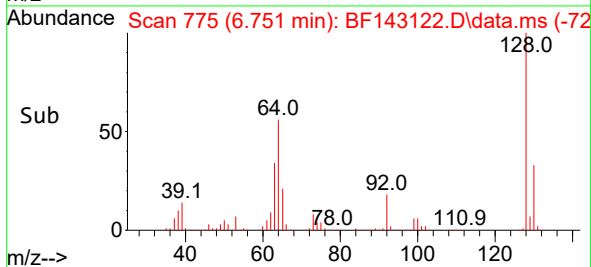
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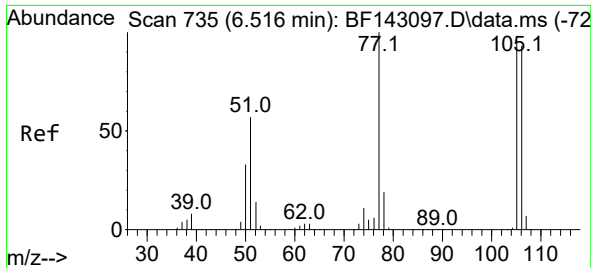


#8
2-Chlorophenol
Concen: 39.339 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



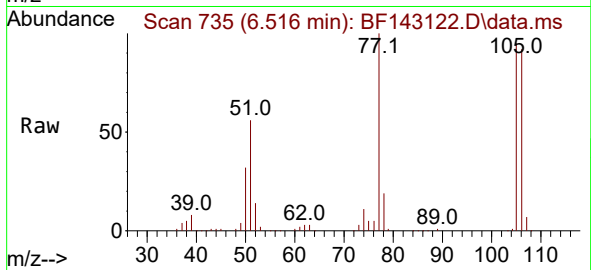
Tgt Ion:128 Resp: 367790
Ion Ratio Lower Upper
128 100
130 32.7 12.8 52.8
64 56.3 36.1 76.1





#9
Benzaldehyde
Concen: 20.714 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

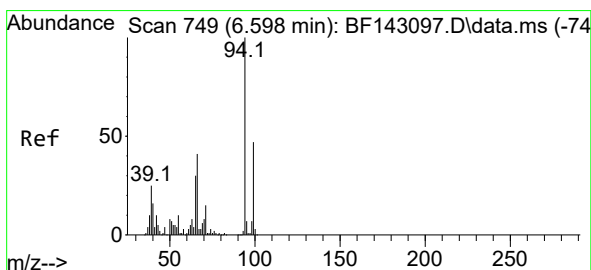
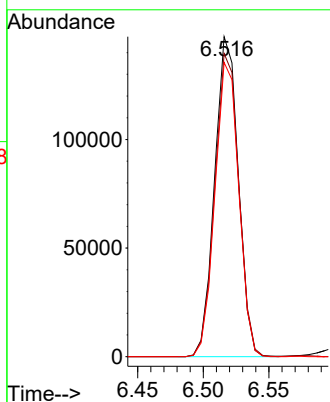
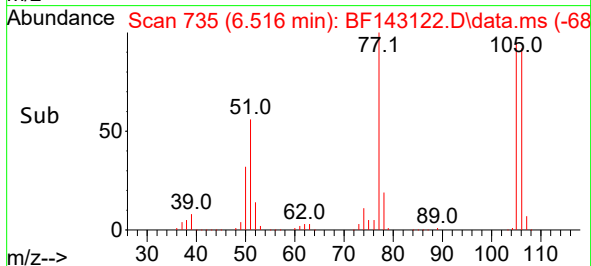
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Tgt Ion: 77 Resp: 184618
Ion Ratio Lower Upper
77 100
105 94.7 76.3 116.3
106 92.0 72.8 112.8

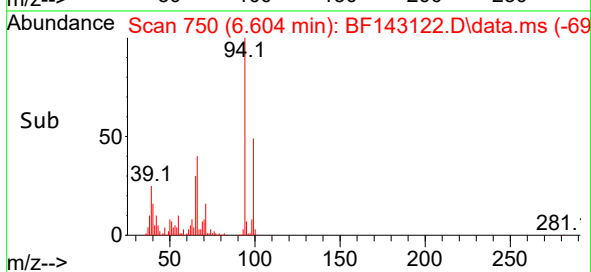
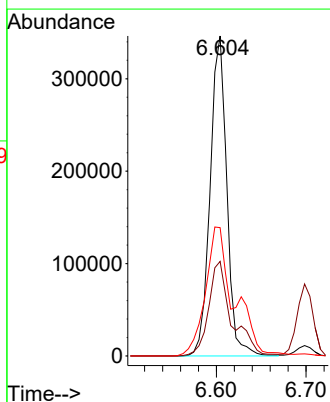
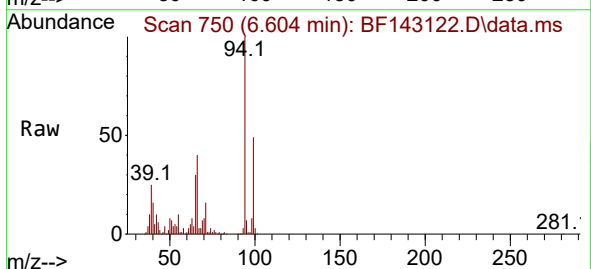
Manual Integrations
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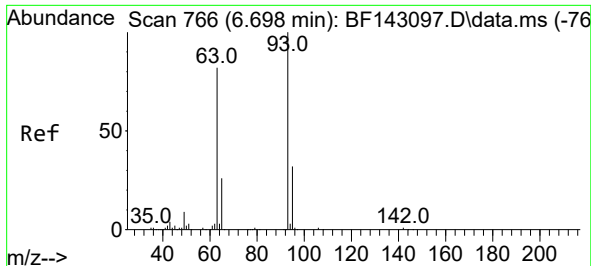
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#10
Phenol
Concen: 35.338 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

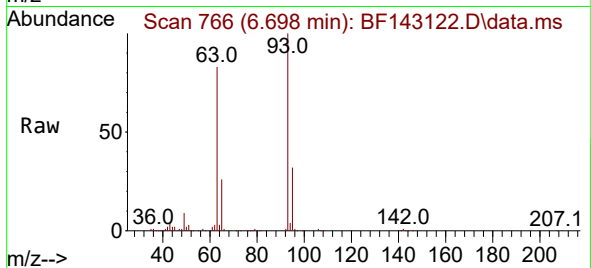
Tgt Ion: 94 Resp: 447469
Ion Ratio Lower Upper
94 100
65 29.6 9.8 49.8
66 40.1 20.5 60.5





#11
bis(2-Chloroethyl)ether
Concen: 37.937 ng
RT: 6.698 min Scan# 766
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

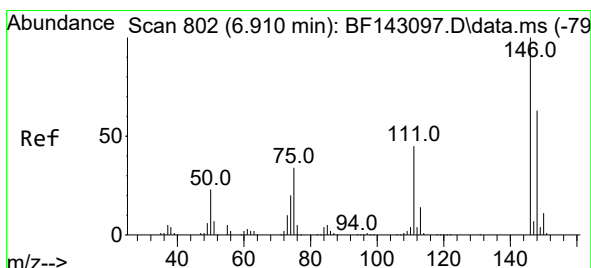
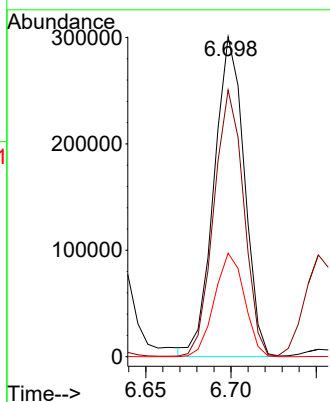
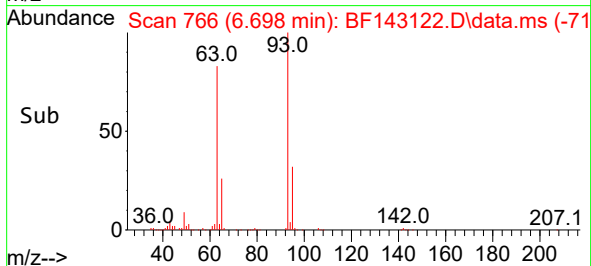
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



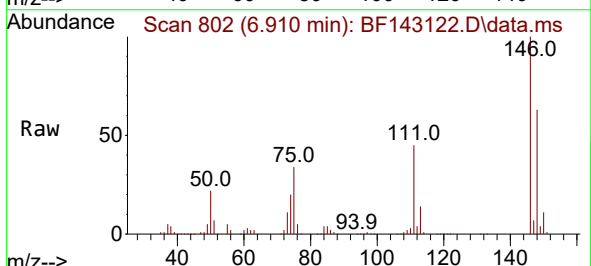
Tgt Ion: 93 Resp: 371882
Ion Ratio Lower Upper
93 100
63 83.4 61.9 101.9
95 32.4 12.2 52.2

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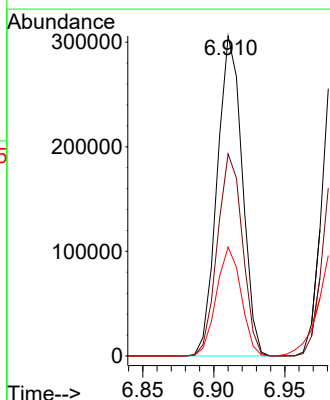
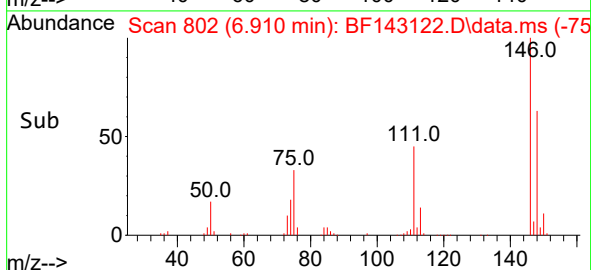
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

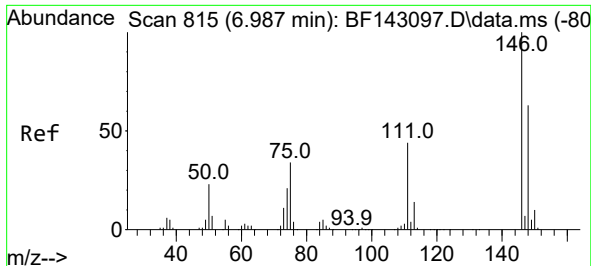


#12
1,3-Dichlorobenzene
Concen: 35.480 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



Tgt Ion:146 Resp: 374742
Ion Ratio Lower Upper
146 100
148 63.2 50.1 75.1
75 34.0 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 35.686 ng

RT: 6.986 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

Tgt Ion:146 Resp: 37920

Ion Ratio Lower Upper

146 100

148 63.6 50.6 76.0

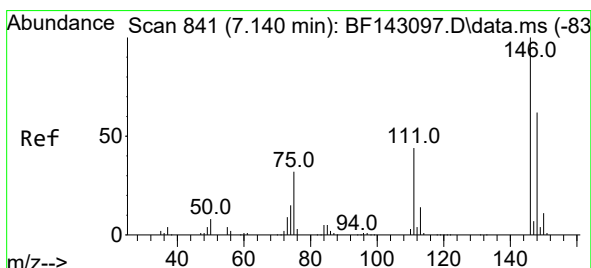
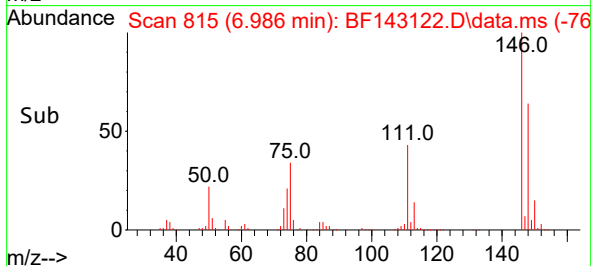
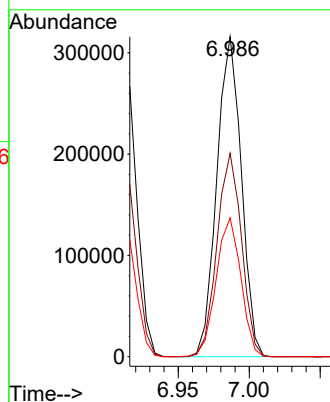
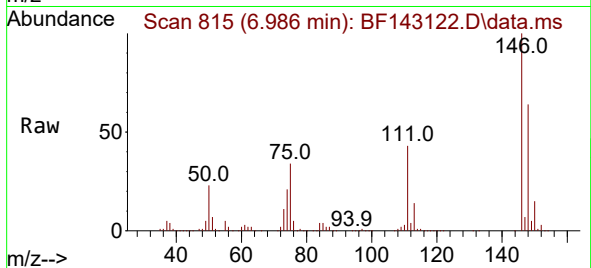
111 43.3 35.0 52.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#14

1,2-Dichlorobenzene

Concen: 36.258 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

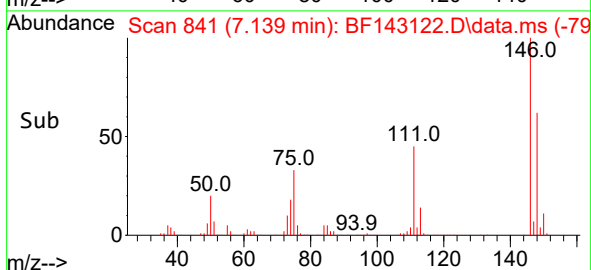
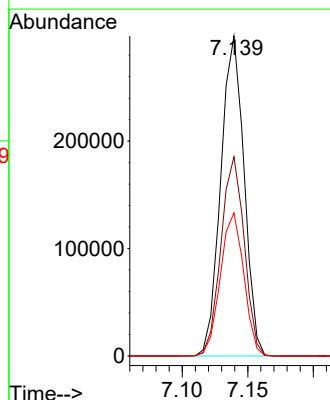
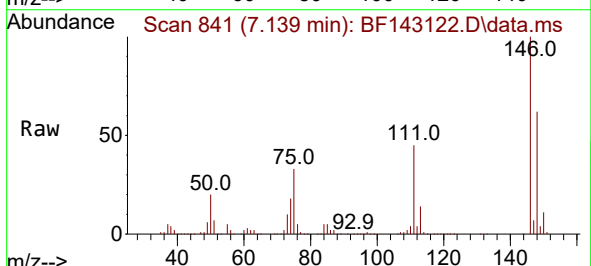
Tgt Ion:146 Resp: 367410

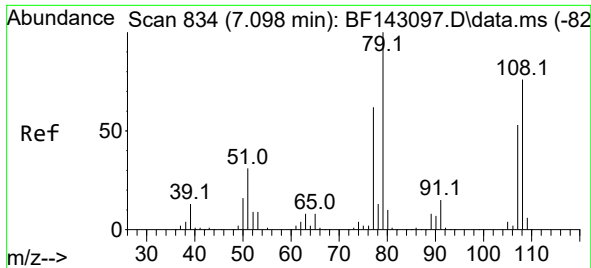
Ion Ratio Lower Upper

146 100

148 62.2 49.8 74.6

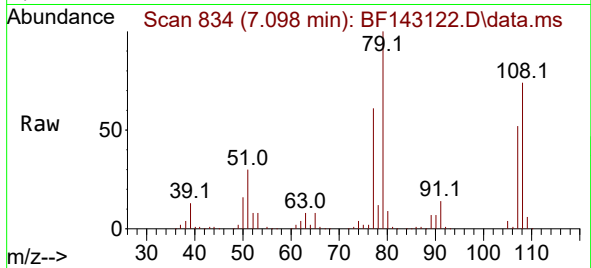
111 44.7 35.4 53.0





#15
Benzyl Alcohol
Concen: 41.191 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

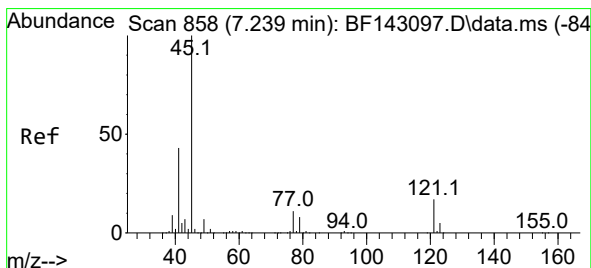
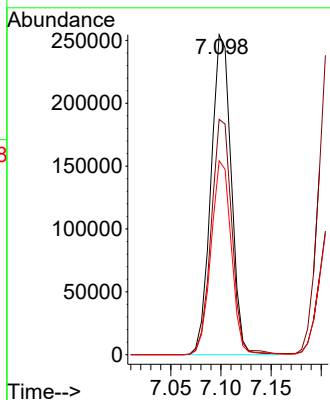
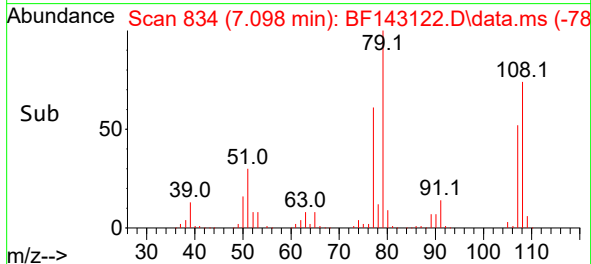
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



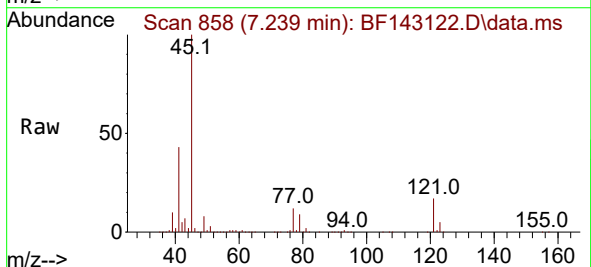
Tgt Ion: 79 Resp: 356998
Ion Ratio Lower Upper
79 100
108 73.5 61.1 91.7
77 60.6 49.9 74.9

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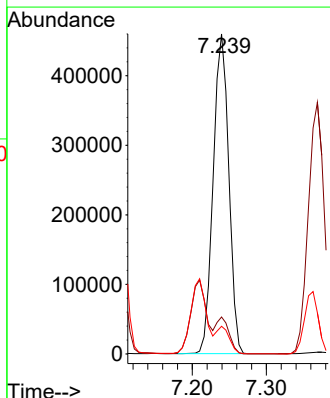
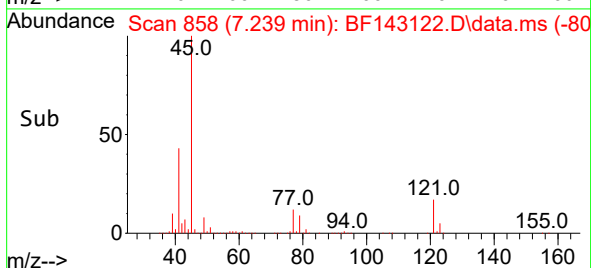
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

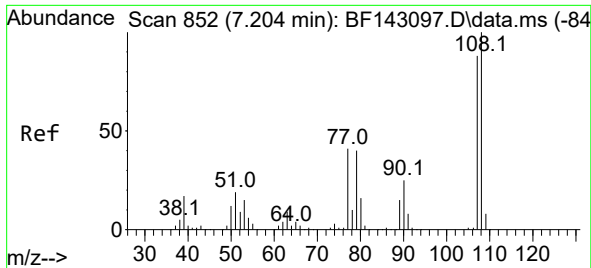


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.031 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



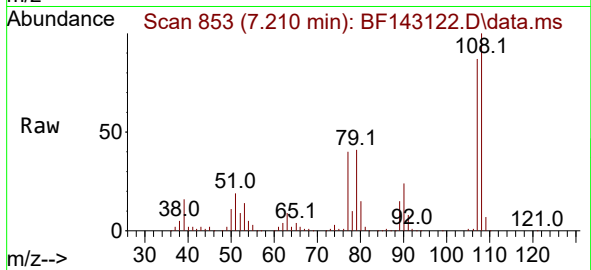
Tgt Ion: 45 Resp: 669145
Ion Ratio Lower Upper
45 100
77 11.6 0.0 31.1
79 8.6 0.0 28.4





#17
2-Methylphenol
Concen: 39.442 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

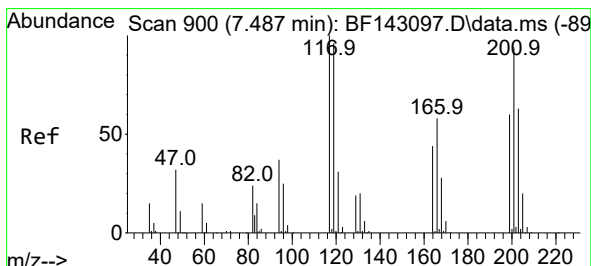
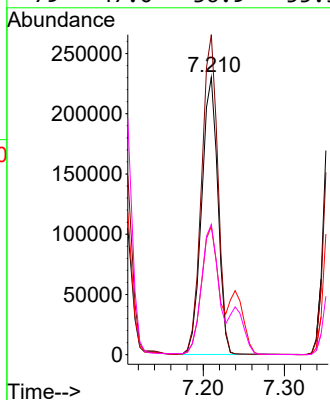
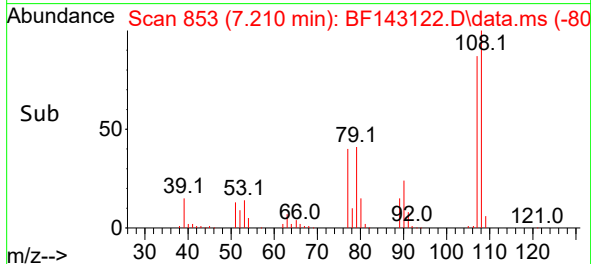
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:107 Resp: 318220
Ion Ratio Lower Upper
107 100
108 115.4 90.9 136.3
77 46.2 37.5 56.3
79 47.0 36.9 55.3

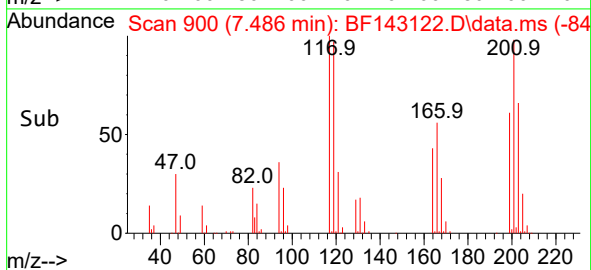
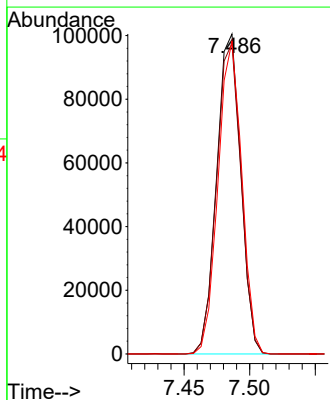
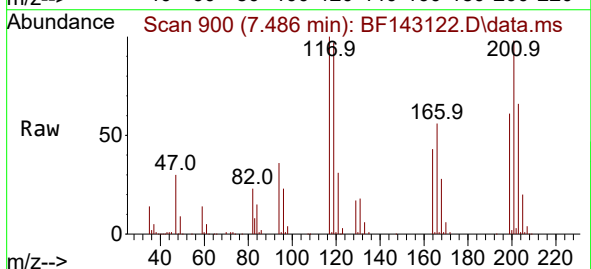
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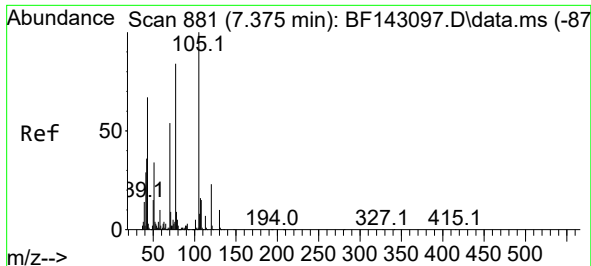
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#18
Hexachloroethane
Concen: 37.286 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

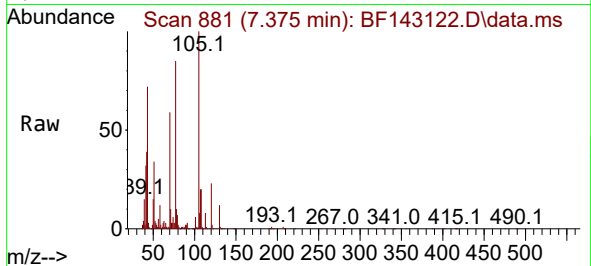
Tgt Ion:117 Resp: 128982
Ion Ratio Lower Upper
117 100
119 97.1 76.7 115.1
201 97.7 75.0 112.4





#19
n-Nitroso-di-n-propylamine
Concen: 39.690 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

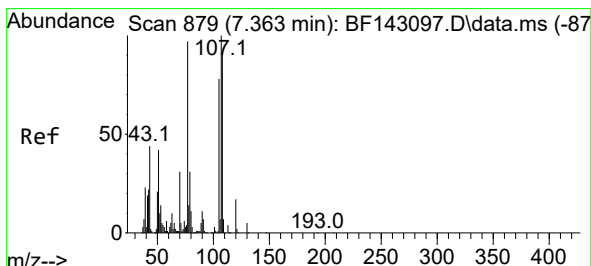
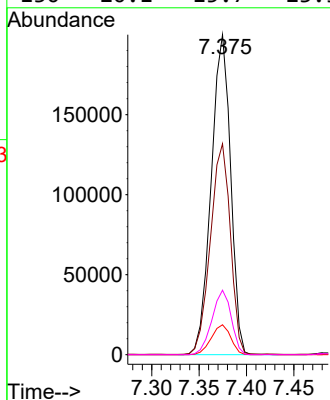
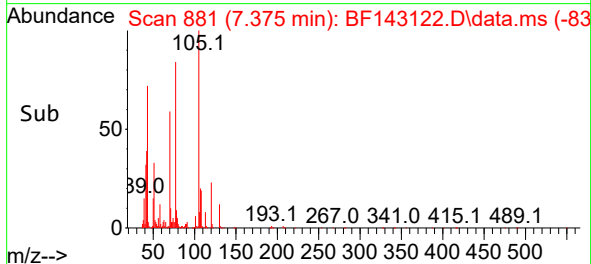
Instrument :
BNA_F
ClientSampleId :
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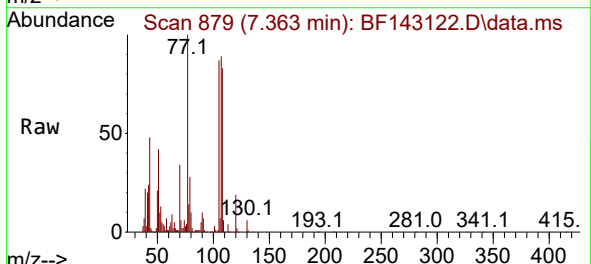
Tgt Ion: 70 Resp: 28442
Ion Ratio Lower Upper
70 100
42 65.9 53.2 79.8
101 9.4 7.5 11.3
130 20.1 15.7 23.5

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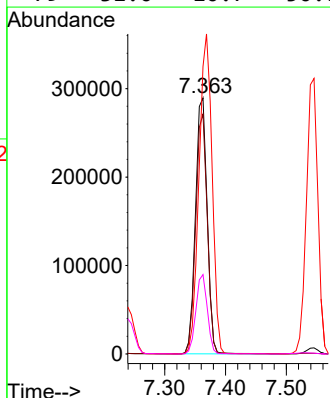
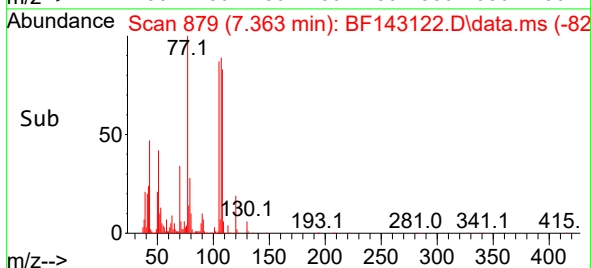
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

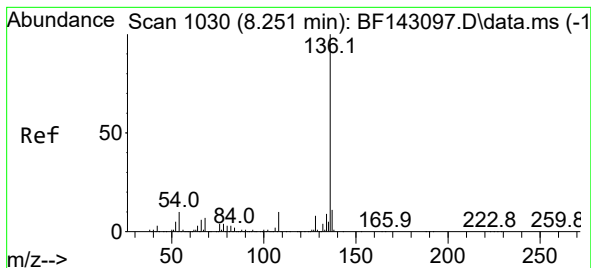


#20
3+4-Methylphenols
Concen: 38.905 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



Tgt Ion:107 Resp: 384937
Ion Ratio Lower Upper
107 100
108 93.7 71.3 111.3
77 112.3 77.2 117.2
79 31.0 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

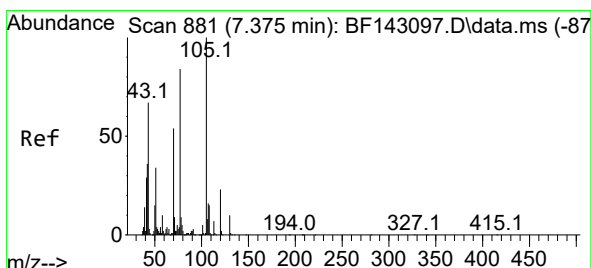
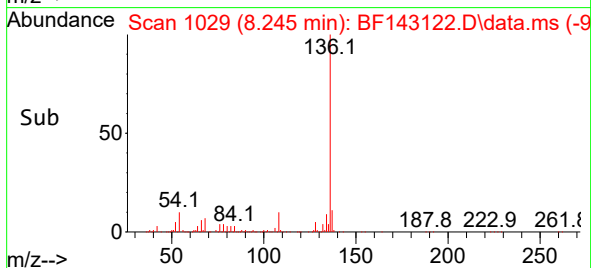
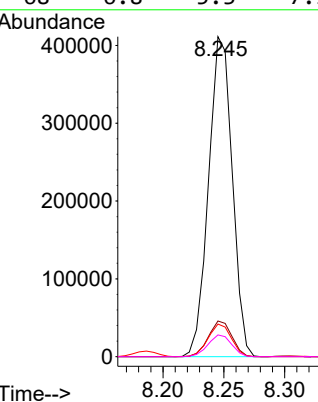
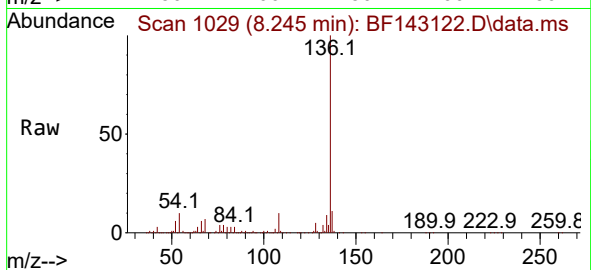
Tgt Ion:136	Resp: 55665
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 10.2	8.3 12.5
68 6.8	5.3 7.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#22

Acetophenone

Concen: 38.531 ng

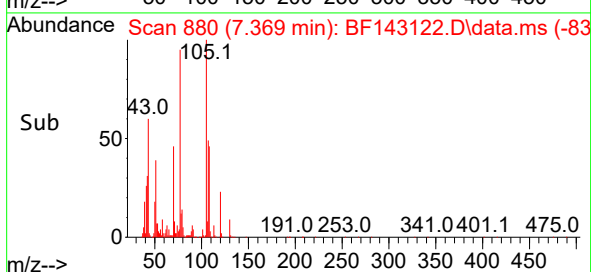
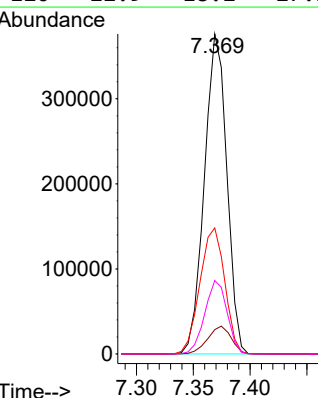
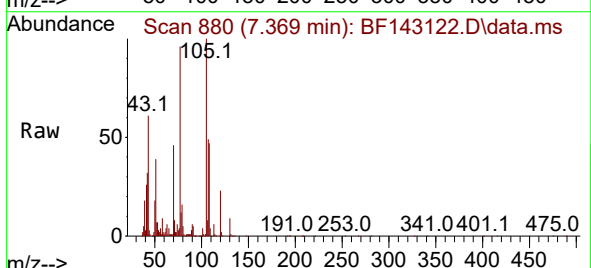
RT: 7.369 min Scan# 880

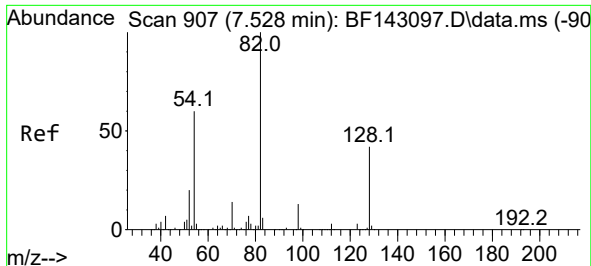
Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

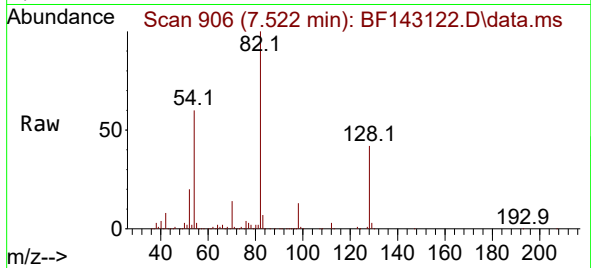
Tgt Ion:105	Resp: 517043
Ion Ratio	Lower Upper
105 100	
71 7.6	7.2 10.8
51 39.4	27.0 40.4
120 22.9	18.2 27.2





#23
Nitrobenzene-d5
Concen: 80.558 ng
RT: 7.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

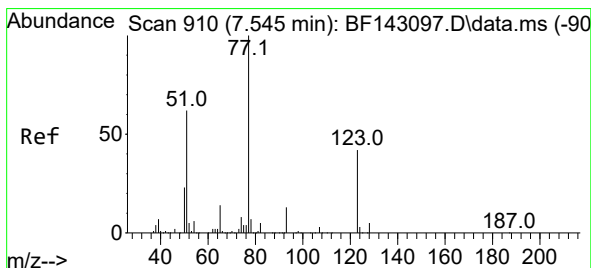
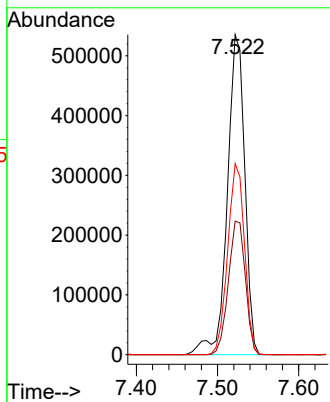
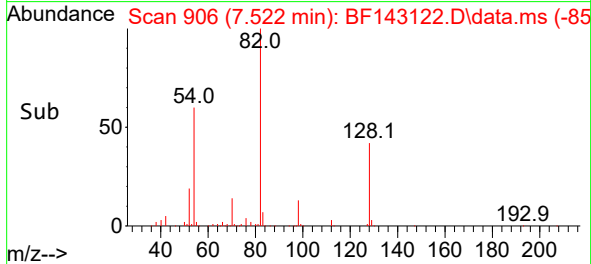
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion: 82 Resp: 799375
Ion Ratio Lower Upper
82 100
128 41.8 33.3 49.9
54 59.7 47.4 71.2

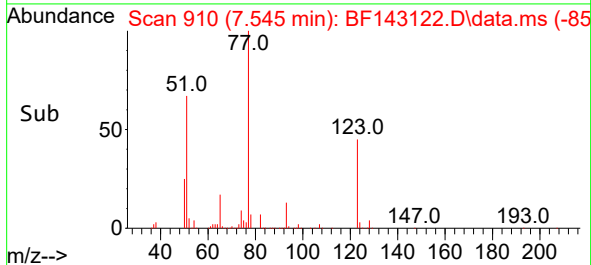
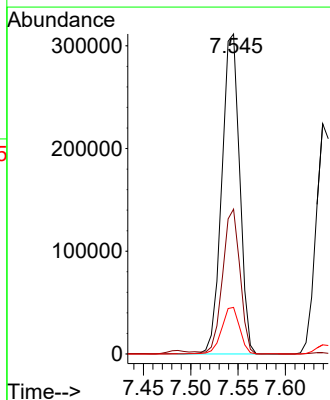
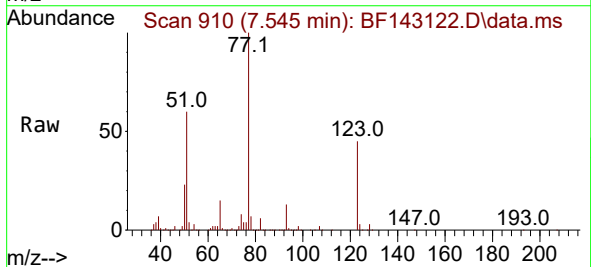
Manual Integrations
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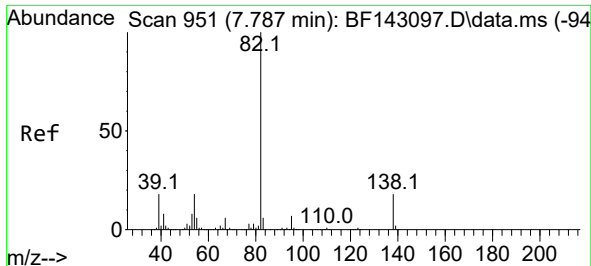
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#24
Nitrobenzene
Concen: 42.599 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 77 Resp: 408070
Ion Ratio Lower Upper
77 100
123 45.3 34.5 51.7
65 14.5 11.3 16.9





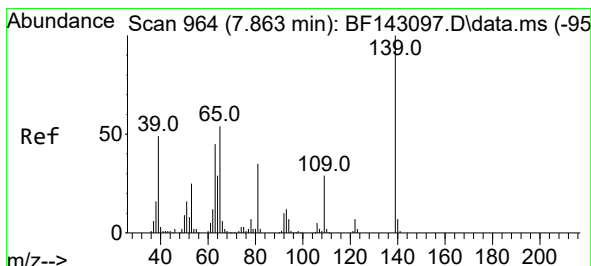
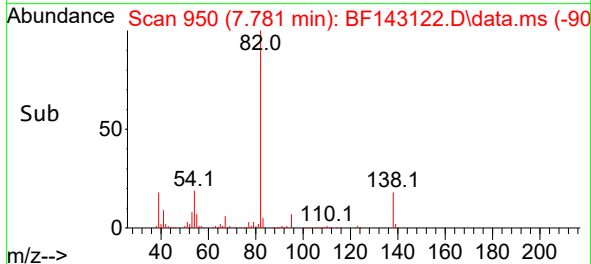
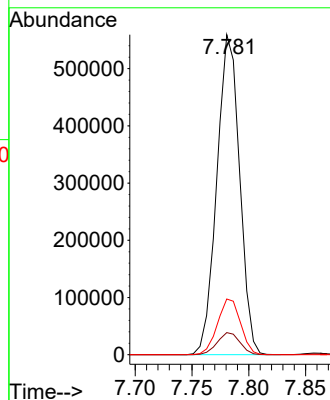
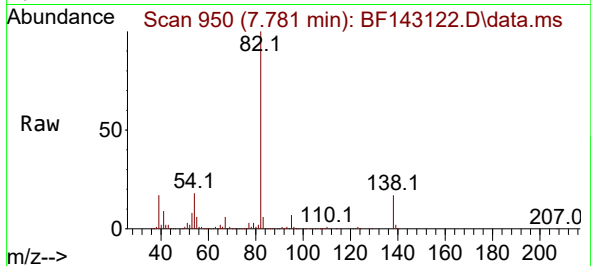
#25
Isophorone
Concen: 40.742 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

Tgt Ion: 82 Resp: 781400
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 17.4 14.3 21.5

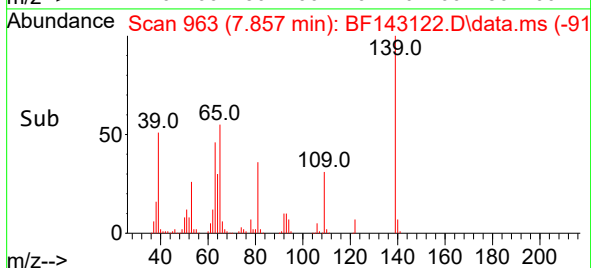
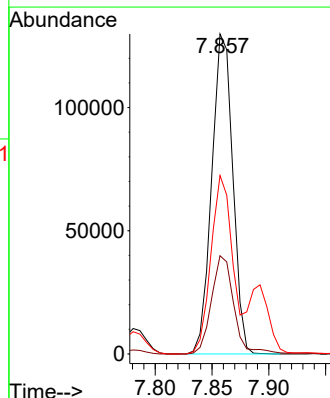
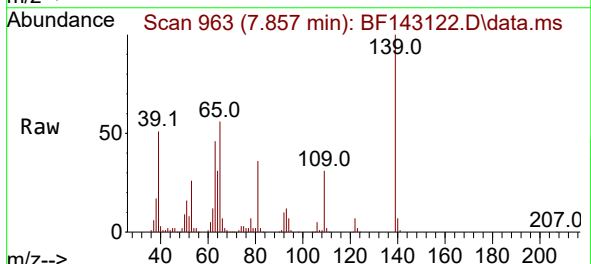
Manual Integrations
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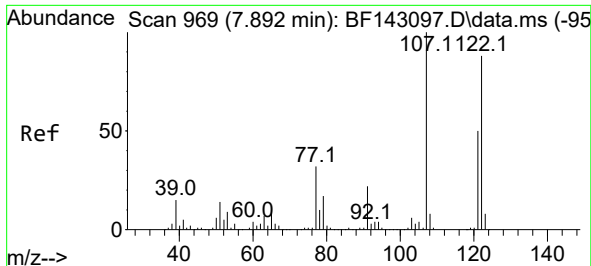
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#26
2-Nitrophenol
Concen: 44.075 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:139 Resp: 167379
Ion Ratio Lower Upper
139 100
109 30.7 23.4 35.0
65 55.8 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 41.098 ng

RT: 7.892 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

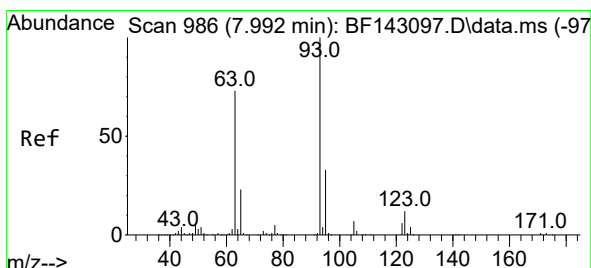
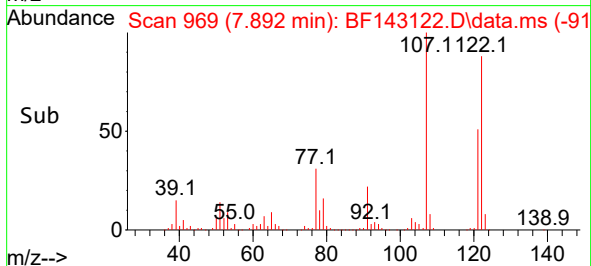
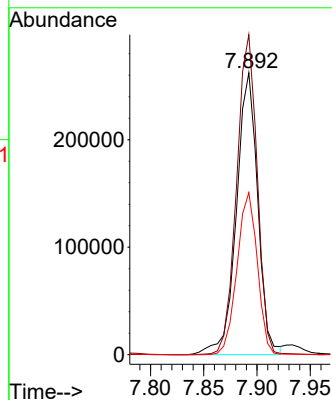
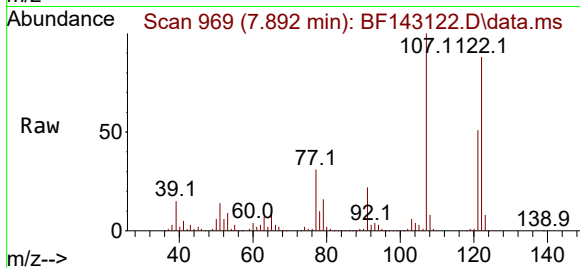
Tgt Ion:122 Resp: 365844
 Ion Ratio Lower Upper
 122 100
 107 113.5 91.3 136.9
 121 57.5 45.5 68.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.866 ng

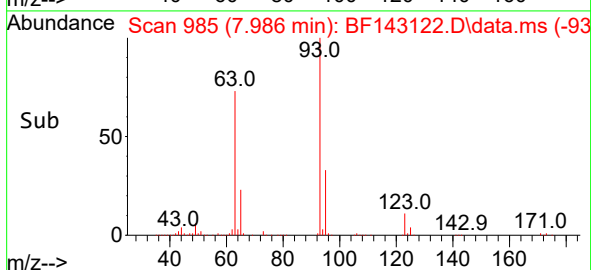
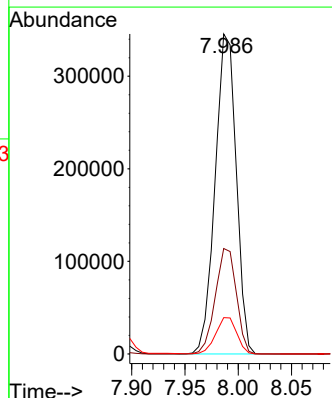
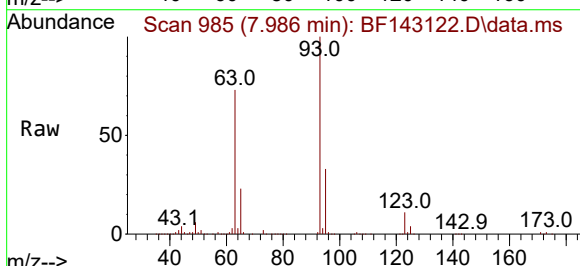
RT: 7.986 min Scan# 985

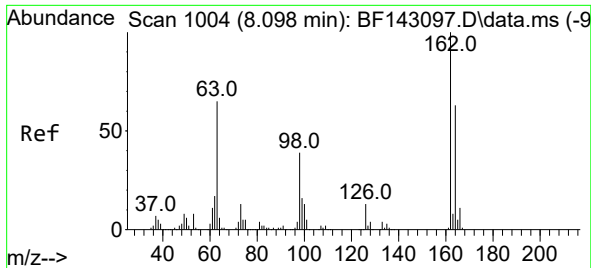
Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Tgt Ion: 93 Resp: 475295
 Ion Ratio Lower Upper
 93 100
 95 33.0 26.2 39.4
 123 11.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 42.554 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

Tgt Ion:162 Resp: 309908

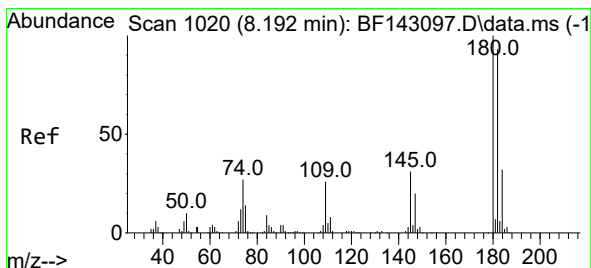
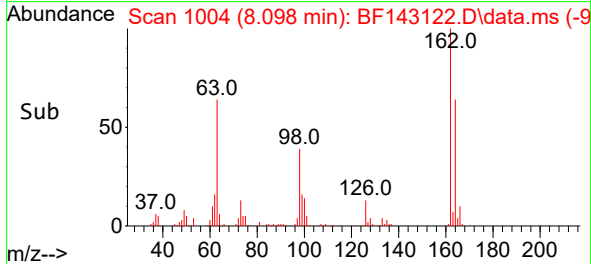
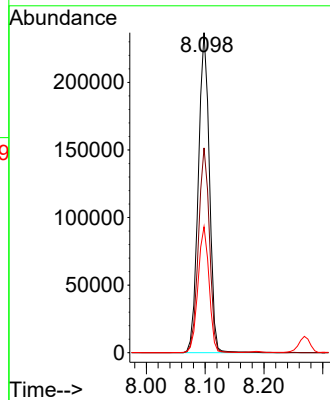
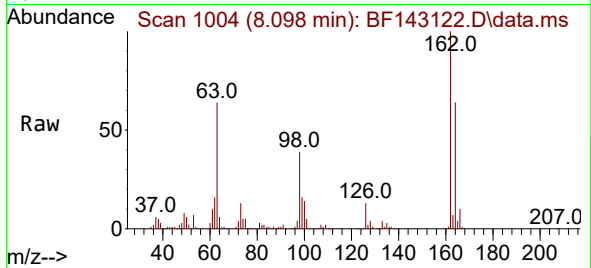
Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.1	83.1
98	39.4	19.2	59.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#30

1,2,4-Trichlorobenzene

Concen: 38.578 ng

RT: 8.186 min Scan# 1019

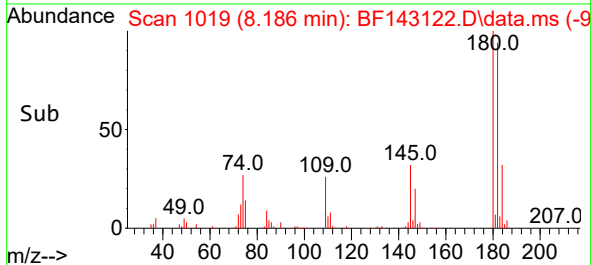
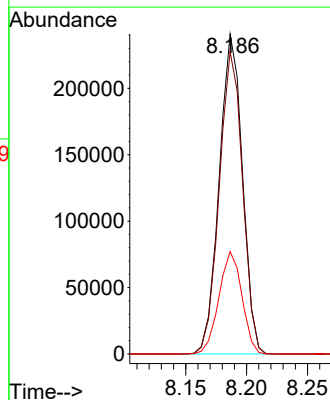
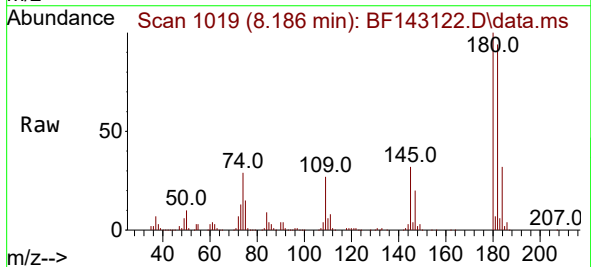
Delta R.T. -0.006 min

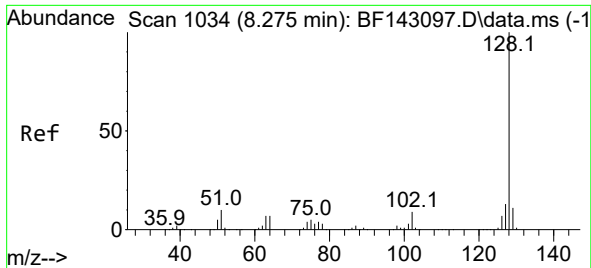
Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Tgt Ion:180 Resp: 318849

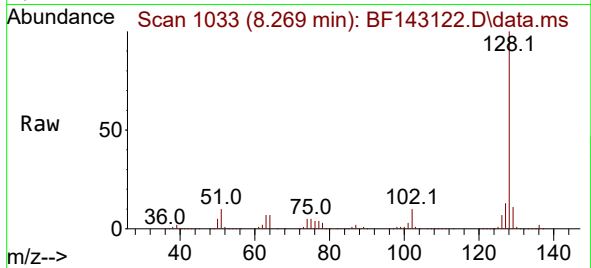
Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.7	112.1
145	32.0	24.5	36.7





#31
Naphthalene
Concen: 38.875 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

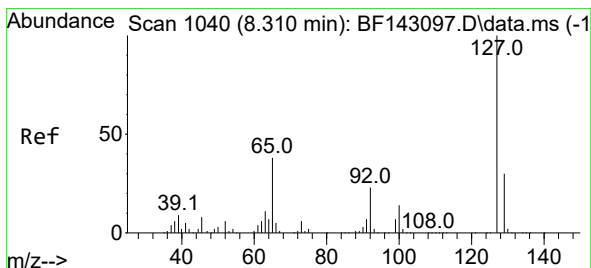
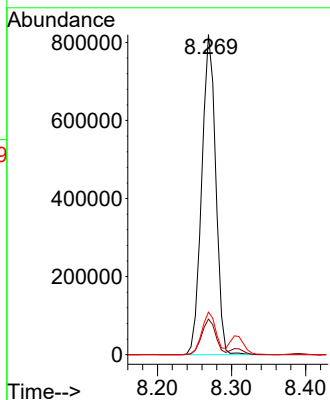
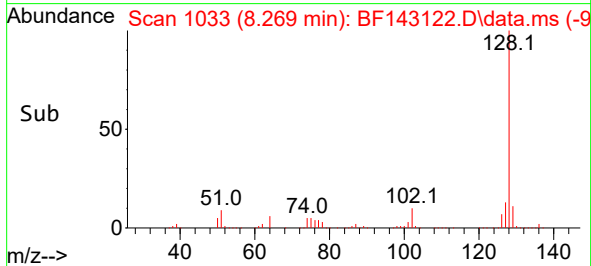
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:128 Resp: 107462
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.3 10.5 15.7

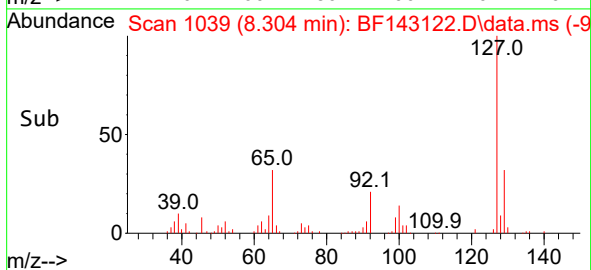
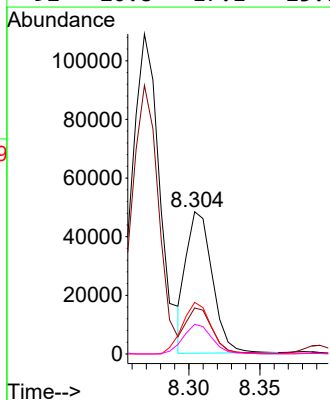
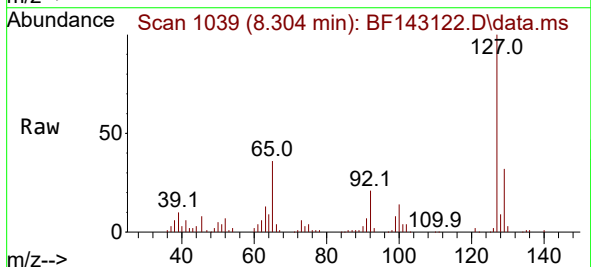
Manual Integrations
APPROVED

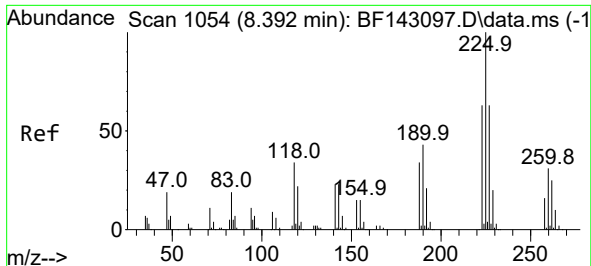
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#33
4-Chloroaniline
Concen: 5.517 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

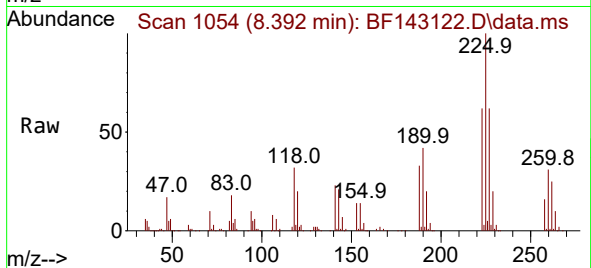
Tgt Ion:127 Resp: 61328
Ion Ratio Lower Upper
127 100
129 32.4 26.2 39.4
65 36.3 28.6 42.8
92 20.8 17.1 25.7





#34
Hexachlorobutadiene
Concen: 39.039 ng
RT: 8.392 min Scan# 1100
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

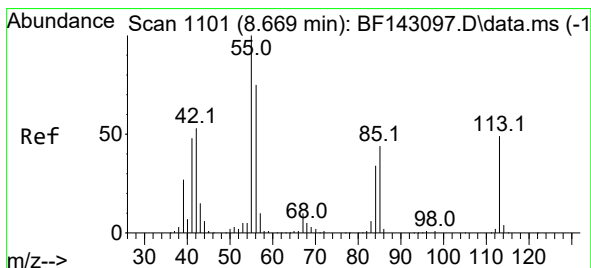
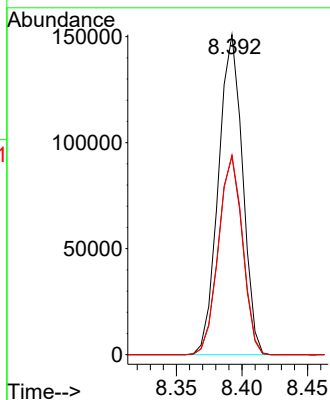
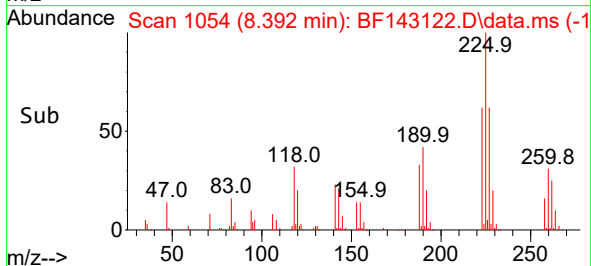
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:225 Resp: 19296
Ion Ratio Lower Upper
225 100
223 61.9 50.3 75.5
227 62.4 50.1 75.1

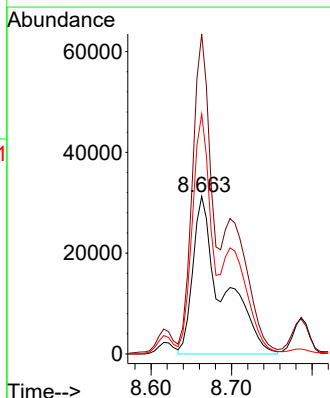
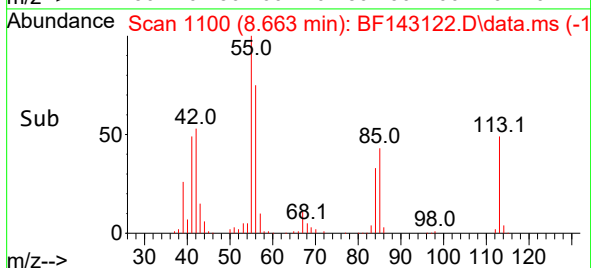
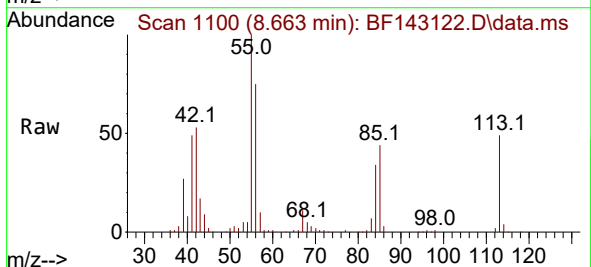
Manual Integrations
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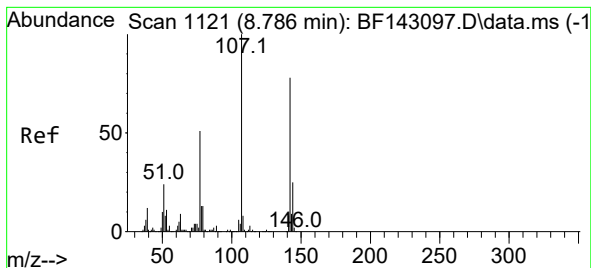
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#35
Caprolactam
Concen: 35.306 ng m
RT: 8.663 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

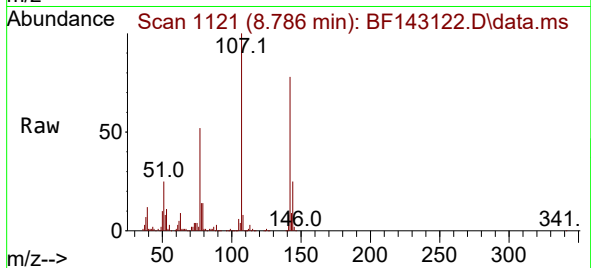
Tgt Ion:113 Resp: 80291
Ion Ratio Lower Upper
113 100
55 203.1 186.2 226.2
56 152.3 134.1 174.1





#36
4-Chloro-3-methylphenol
Concen: 42.002 ng
RT: 8.786 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

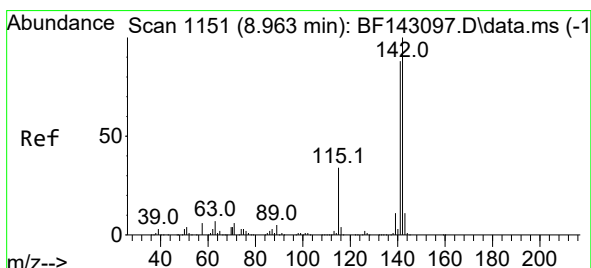
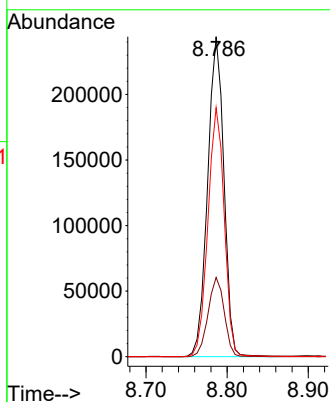
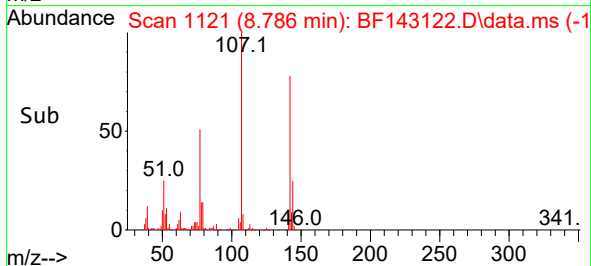
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:107 Resp: 340734
Ion Ratio Lower Upper
107 100
144 24.7 20.2 30.2
142 77.8 62.4 93.6

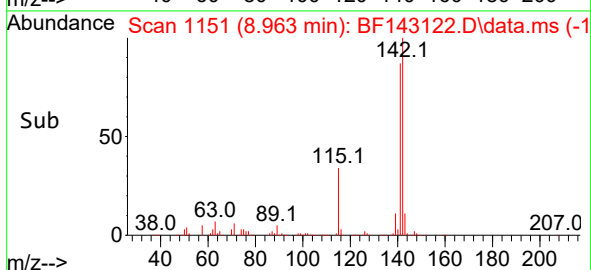
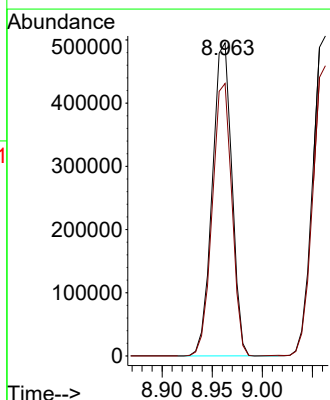
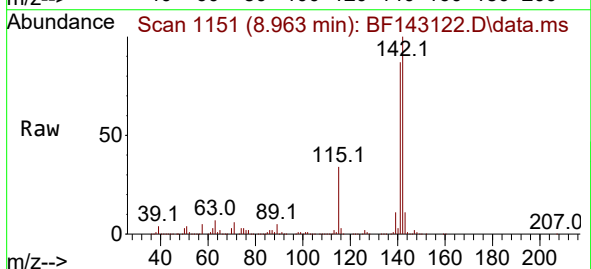
Manual Integrations
APPROVED

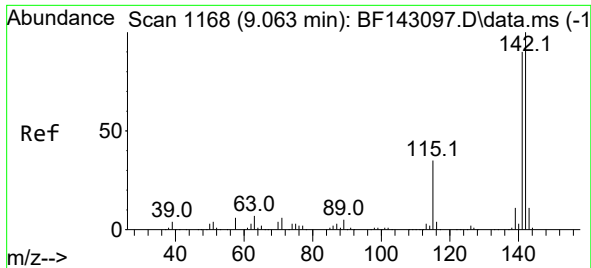
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#37
2-Methylnaphthalene
Concen: 40.718 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:142 Resp: 671479
Ion Ratio Lower Upper
142 100
141 87.0 70.2 105.2





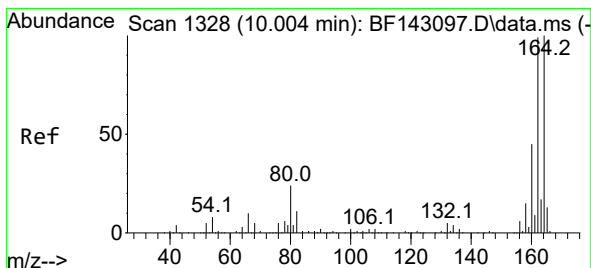
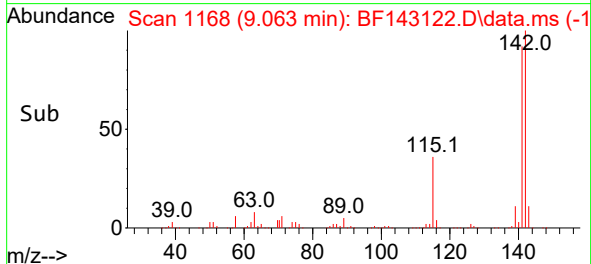
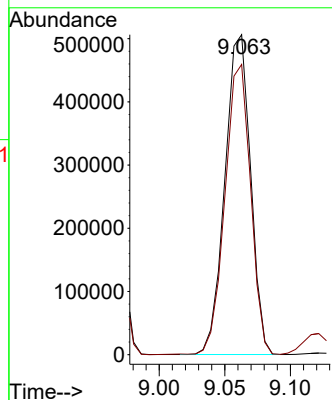
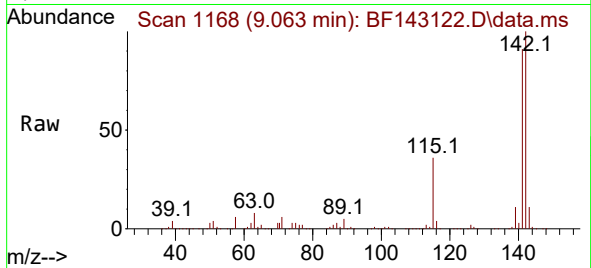
#38
1-Methylnaphthalene
Concen: 40.277 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

Tgt Ion:142 Resp: 68889
Ion Ratio Lower Upper
142 100
141 90.7 72.2 108.4

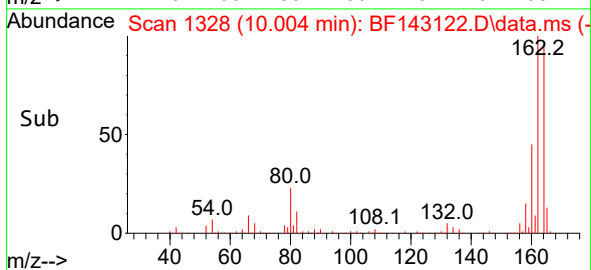
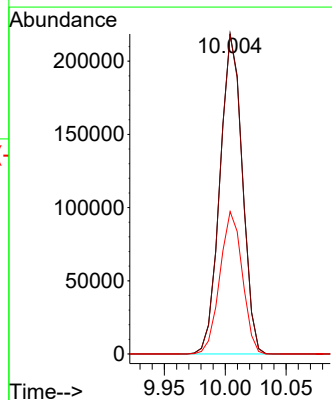
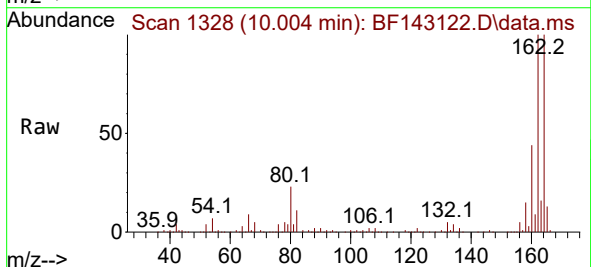
Manual Integrations
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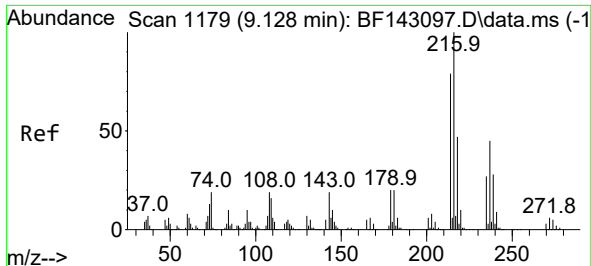
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

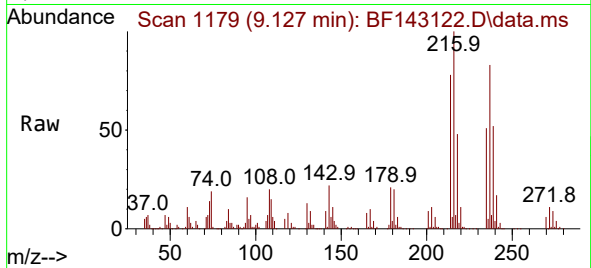
Tgt Ion:164 Resp: 279575
Ion Ratio Lower Upper
164 100
162 99.8 79.0 118.6
160 44.5 35.8 53.6





#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.048 ng
RT: 9.127 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

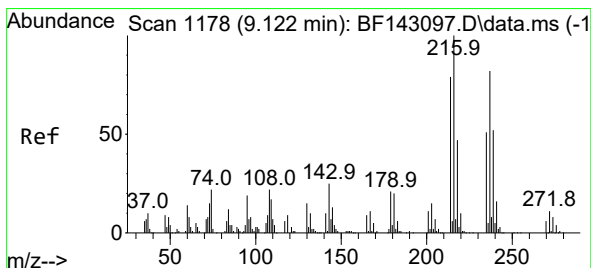
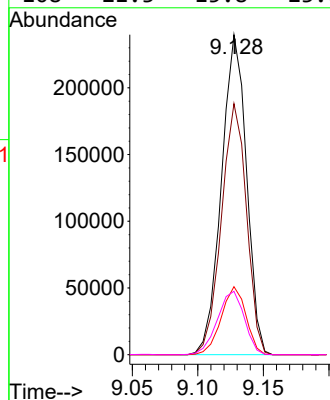
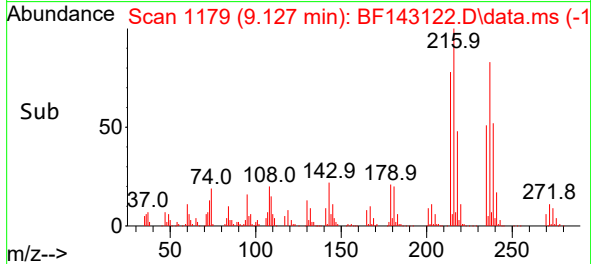
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:216 Resp: 31814
Ion Ratio Lower Upper
216 100
214 78.4 62.6 94.0
179 21.0 16.2 24.2
108 21.3 15.8 23.6

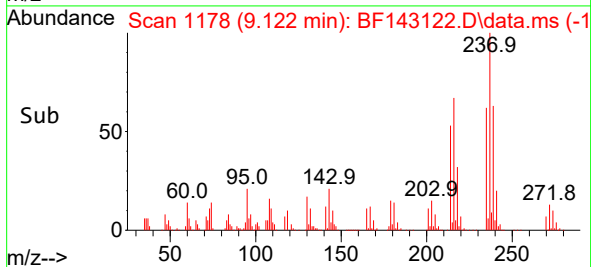
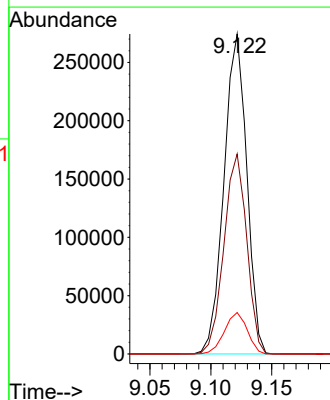
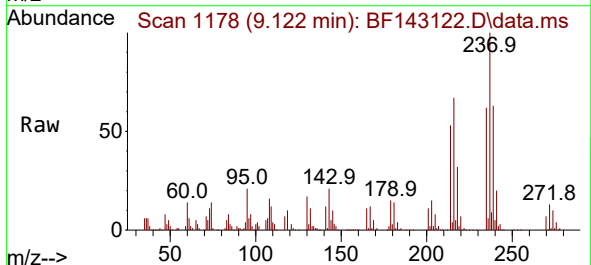
Manual Integrations
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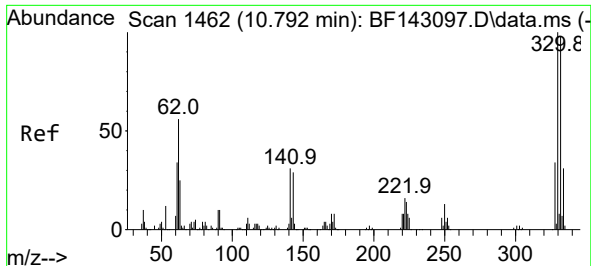
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#41
Hexachlorocyclopentadiene
Concen: 79.110 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

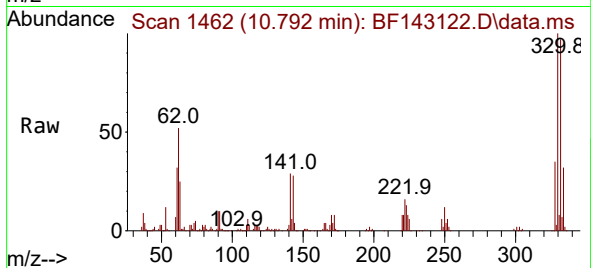
Tgt Ion:237 Resp: 357351
Ion Ratio Lower Upper
237 100
235 62.5 41.6 81.6
272 13.0 0.0 32.9





#42
2,4,6-Tribromophenol
Concen: 126.298 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

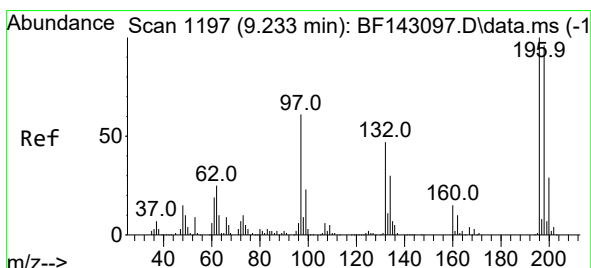
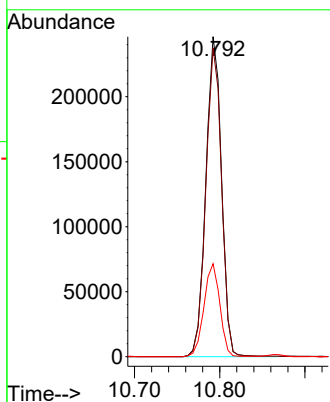
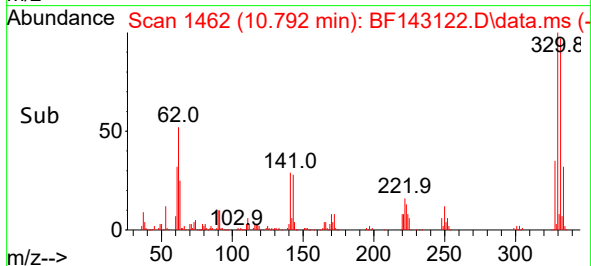
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



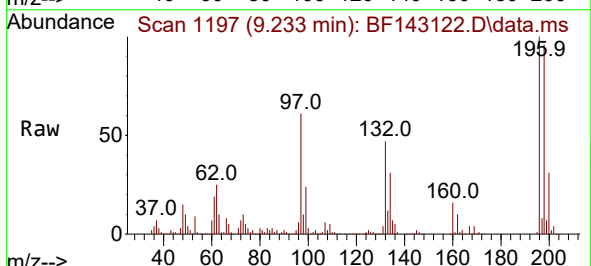
Tgt Ion:330 Resp: 314839
Ion Ratio Lower Upper
330 100
332 97.0 77.9 116.9
141 29.4 25.9 38.9

Manual Integrations
APPROVED

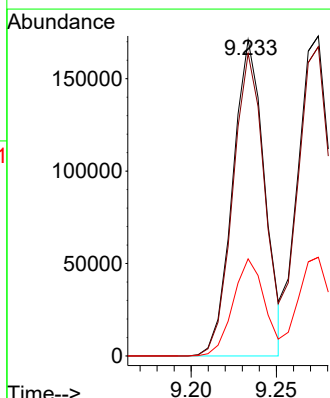
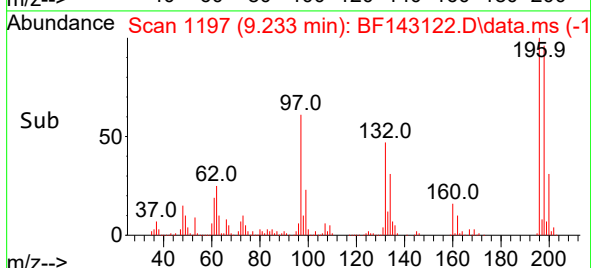
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

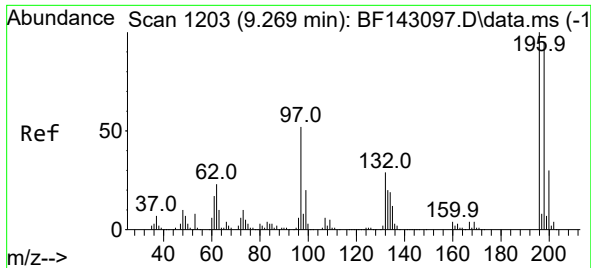


#43
2,4,6-Trichlorophenol
Concen: 43.874 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



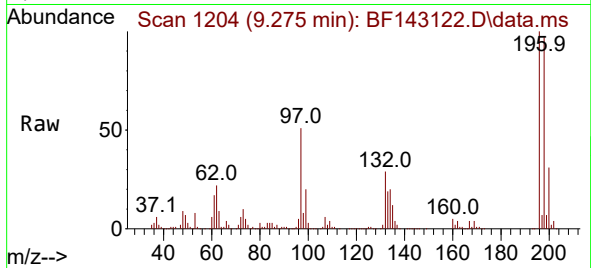
Tgt Ion:196 Resp: 222112
Ion Ratio Lower Upper
196 100
198 95.7 76.9 115.3
200 30.7 23.5 35.3





#44
2,4,5-Trichlorophenol
Concen: 43.216 ng
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

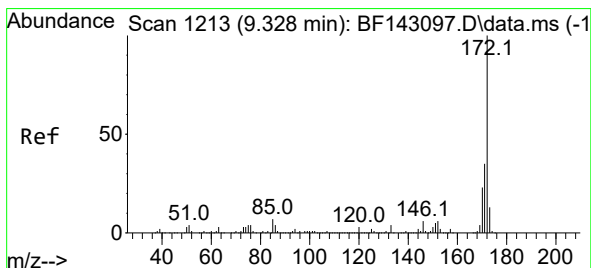
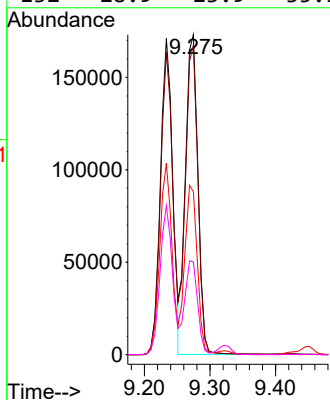
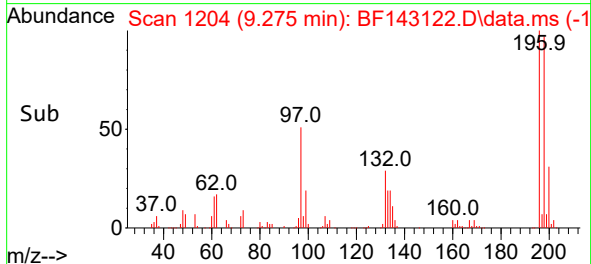
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:196 Resp: 22940
Ion Ratio Lower Upper
196 100
198 96.7 76.4 114.6
97 50.9 42.4 63.6
132 28.9 23.9 35.9

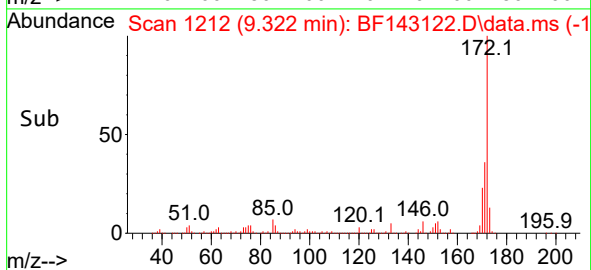
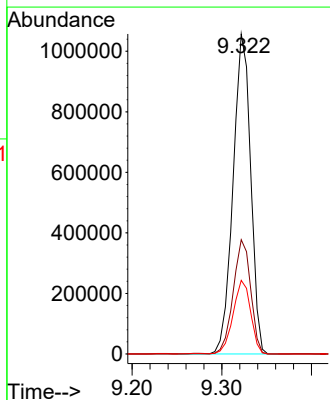
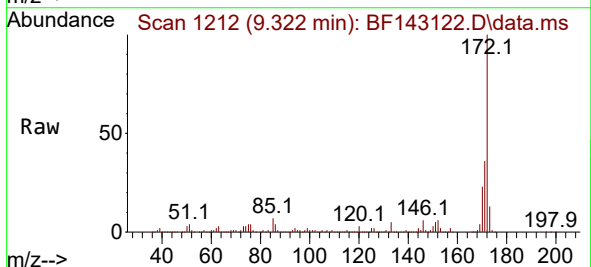
Manual Integrations
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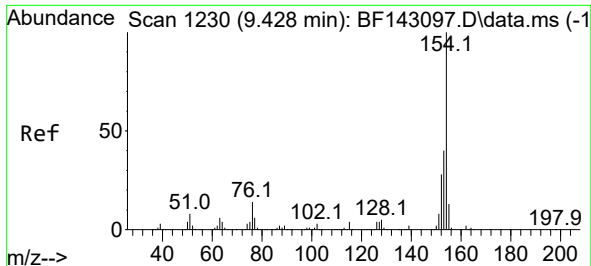
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#45
2-Fluorobiphenyl
Concen: 68.405 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

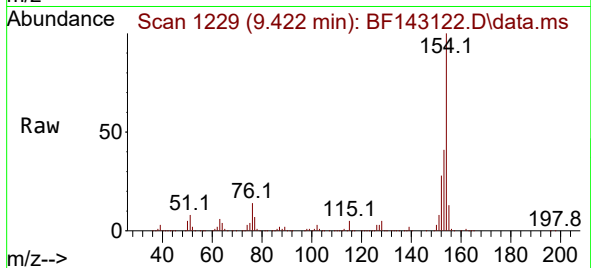
Tgt Ion:172 Resp: 1438701
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.0 18.6 28.0





#46
1,1'-Biphenyl
Concen: 40.322 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

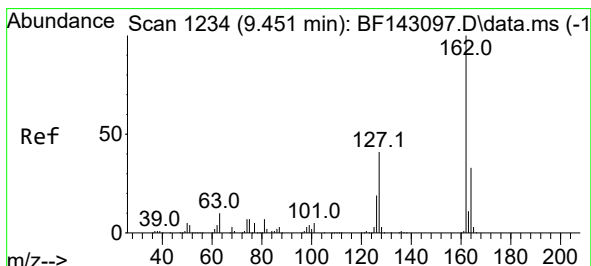
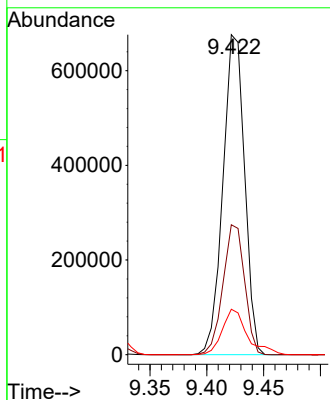
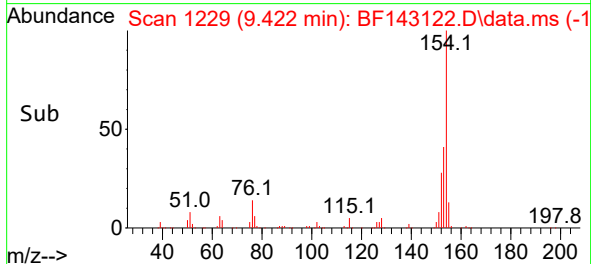
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:154 Resp: 899008
Ion Ratio Lower Upper
154 100
153 40.6 20.1 60.1
76 14.2 0.0 33.7

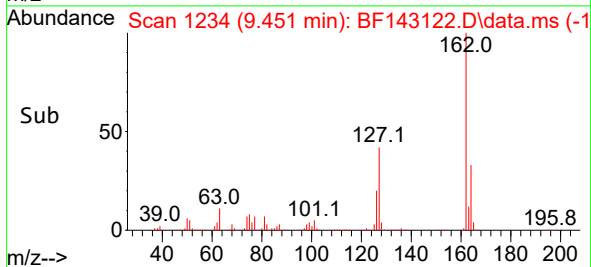
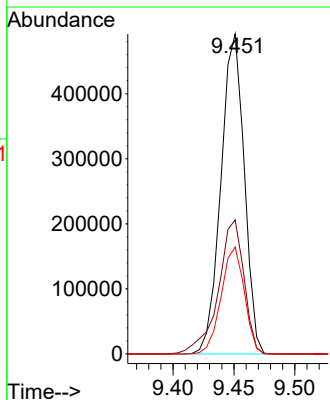
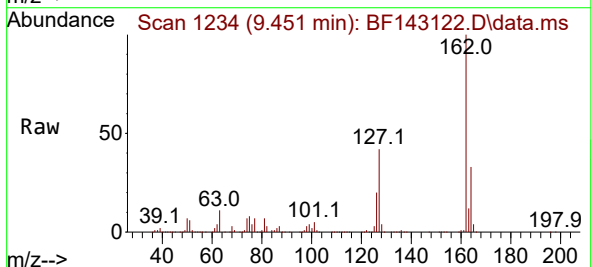
Manual Integrations
APPROVED

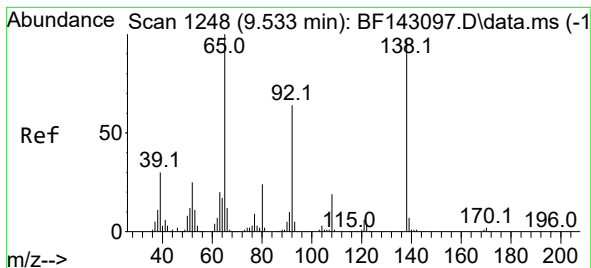
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#47
2-Chloronaphthalene
Concen: 40.006 ng
RT: 9.451 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:162 Resp: 655257
Ion Ratio Lower Upper
162 100
127 41.9 33.0 49.6
164 33.4 26.1 39.1





#48

2-Nitroaniline

Concen: 43.531 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

Tgt Ion: 65 Resp: 21132

Ion Ratio Lower Upper

65 100

92 64.3 51.3 76.9

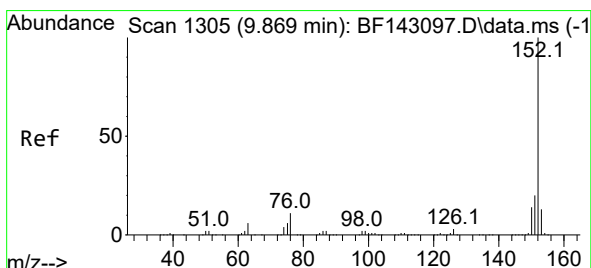
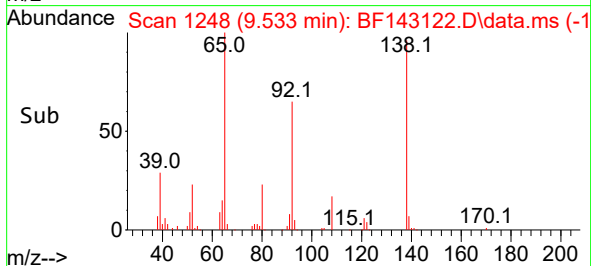
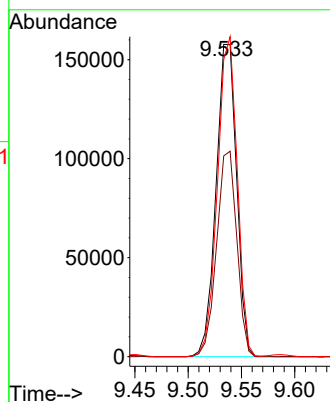
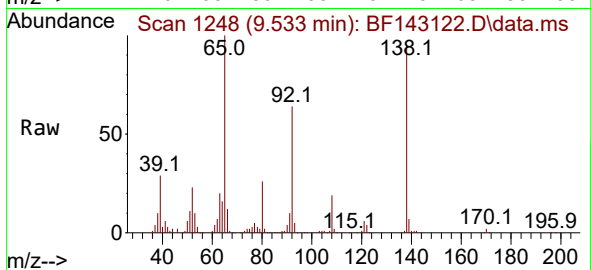
138 95.1 77.8 116.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#49

Acenaphthylene

Concen: 41.213 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

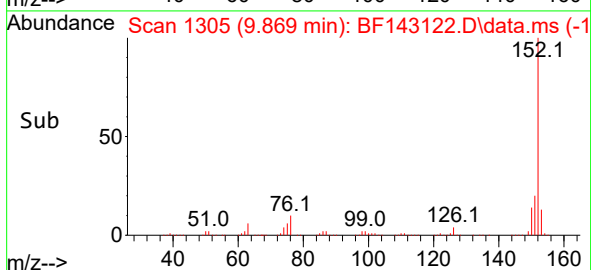
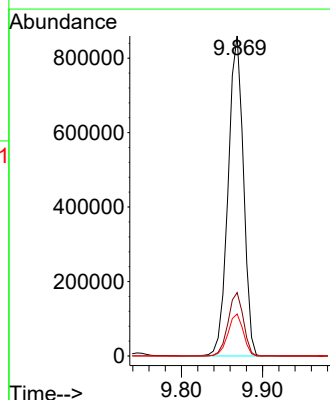
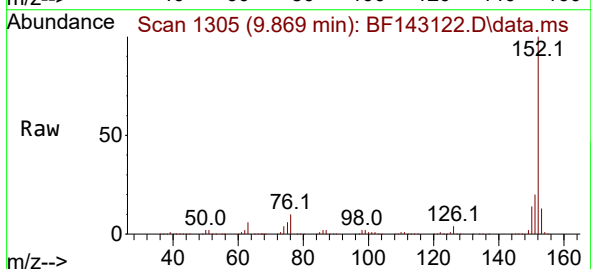
Tgt Ion:152 Resp: 1124808

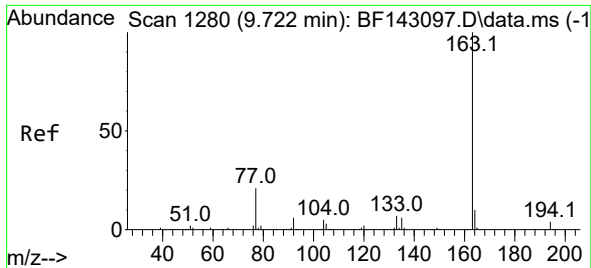
Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

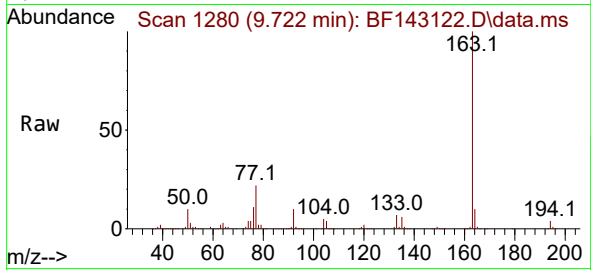
153 13.1 10.4 15.6





#50
Dimethylphthalate
Concen: 43.883 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

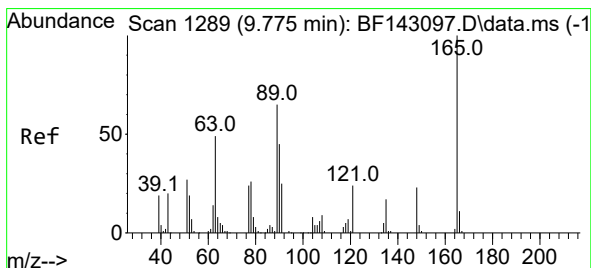
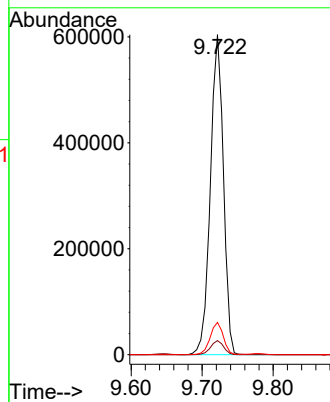
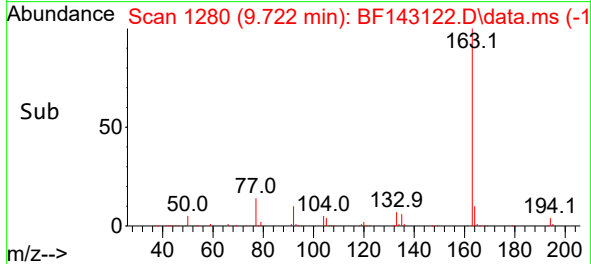
Instrument : BNA_F
ClientSampleId : WC-SOIL-20250711MS



Tgt Ion:163 Resp: 77183
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.1 8.2 12.2

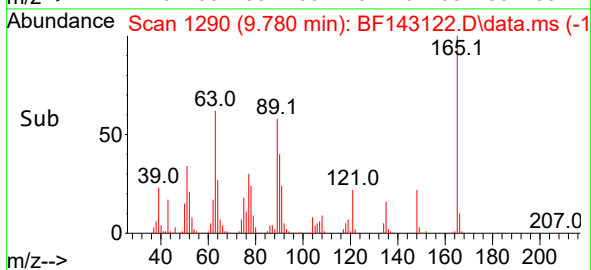
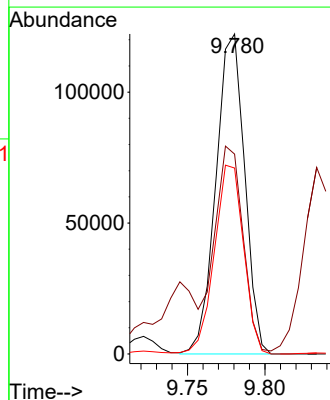
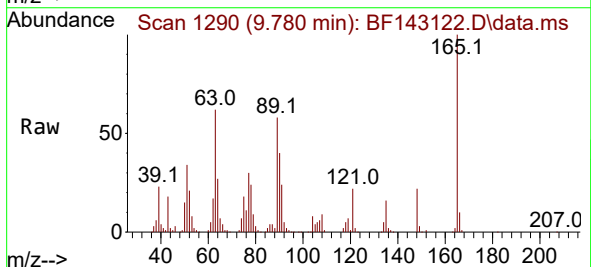
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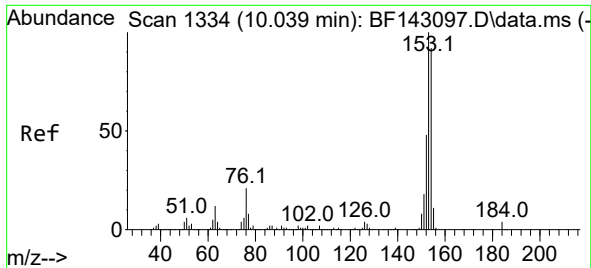
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#51
2,6-Dinitrotoluene
Concen: 45.543 ng
RT: 9.780 min Scan# 1290
Delta R.T. 0.005 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

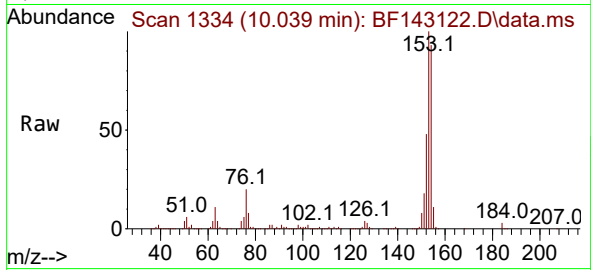
Tgt Ion:165 Resp: 157757
Ion Ratio Lower Upper
165 100
63 62.5 57.4 86.0
89 58.1 51.8 77.8





#52
Acenaphthene
Concen: 40.233 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

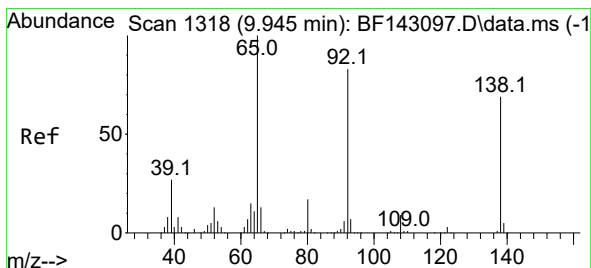
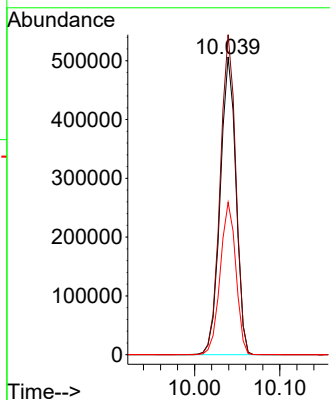
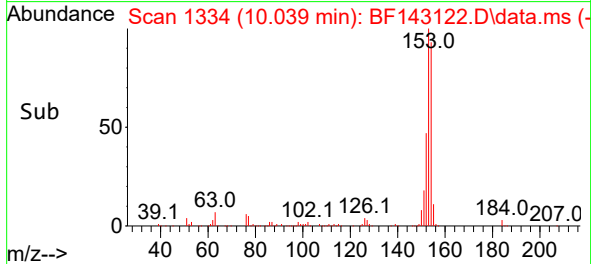
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:154 Resp: 647980
Ion Ratio Lower Upper
154 100
153 107.5 86.7 130.1
152 51.2 41.4 62.2

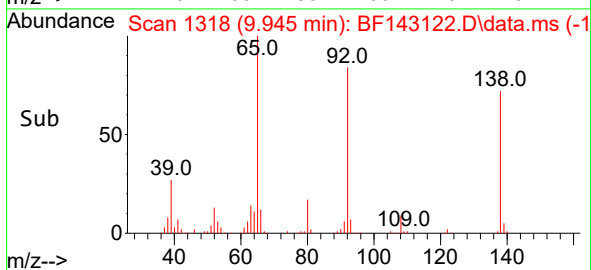
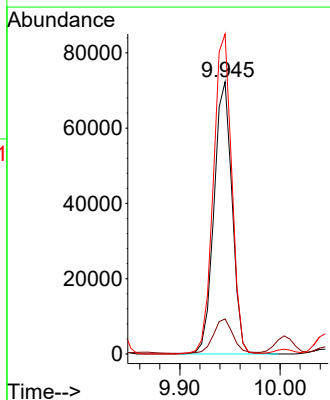
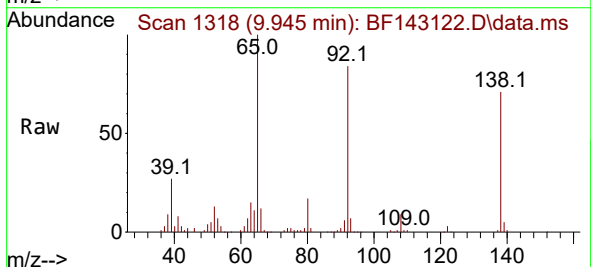
Manual Integrations
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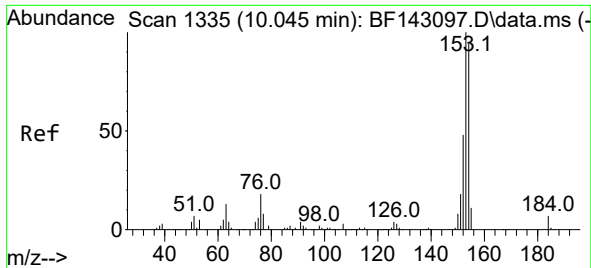
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#53
3-Nitroaniline
Concen: 23.807 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

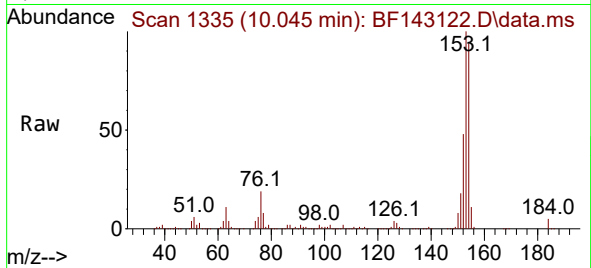
Tgt Ion:138 Resp: 90479
Ion Ratio Lower Upper
138 100
108 12.9 10.1 15.1
92 117.6 96.4 144.6





#54
2,4-Dinitrophenol
Concen: 26.899 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

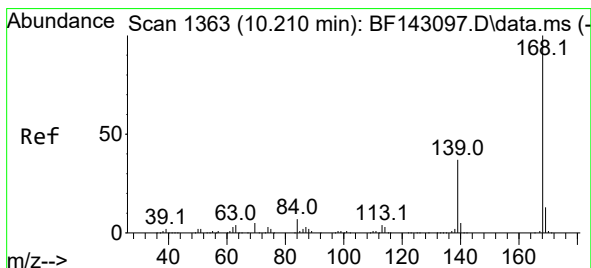
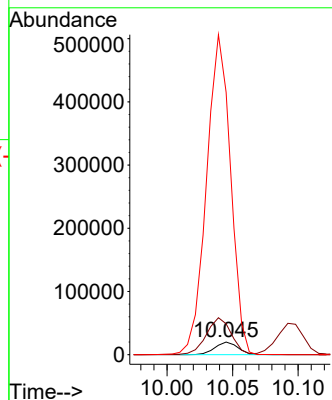
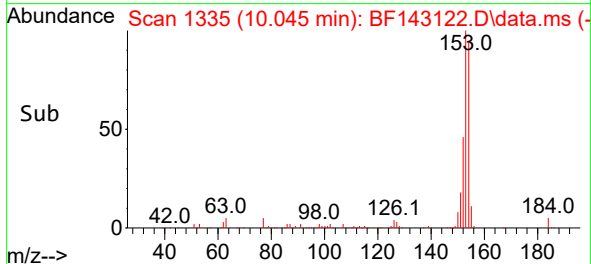
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



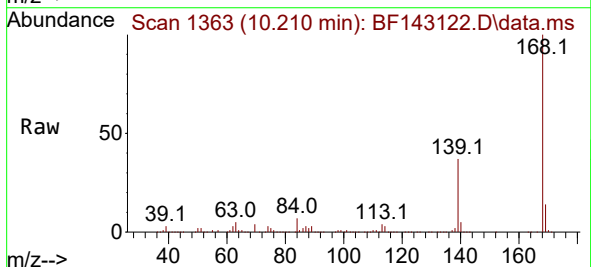
Tgt Ion:184 Resp: 24192
Ion Ratio Lower Upper
184 100
63 245.7 149.3 223.9
154 2087.2 1048.0 1572

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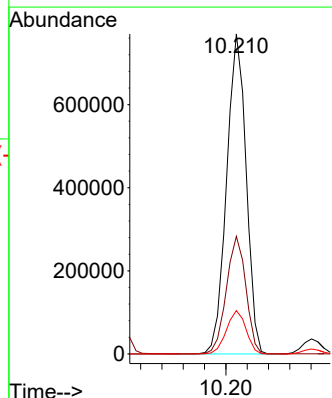
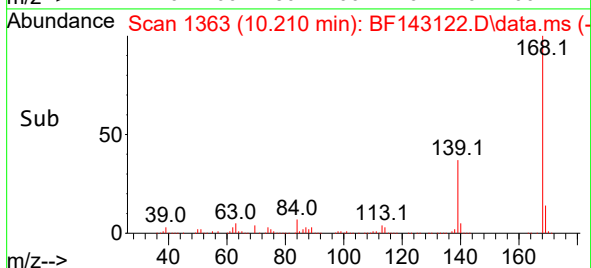
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

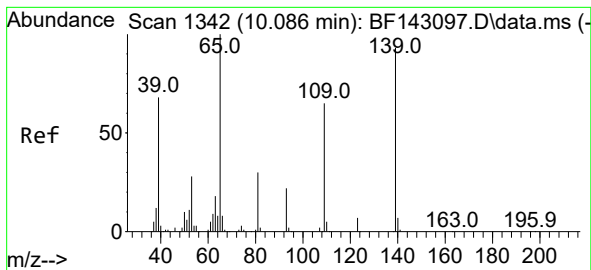


#55
Dibenzofuran
Concen: 40.804 ng
RT: 10.210 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



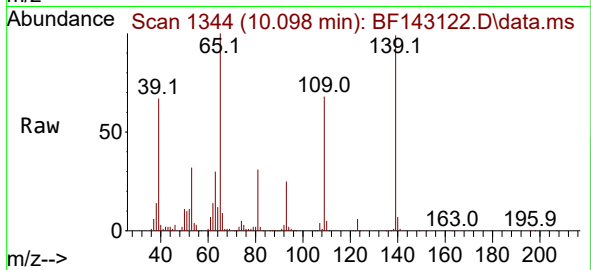
Tgt Ion:168 Resp: 979540
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.6
169 13.6 10.8 16.2





#56
4-Nitrophenol
Concen: 75.913 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

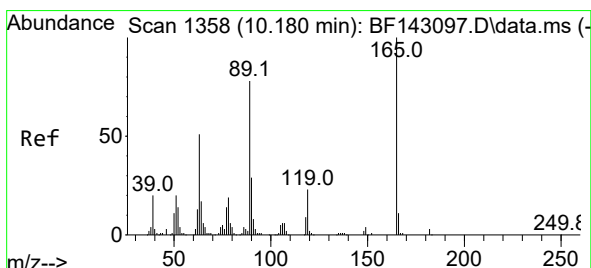
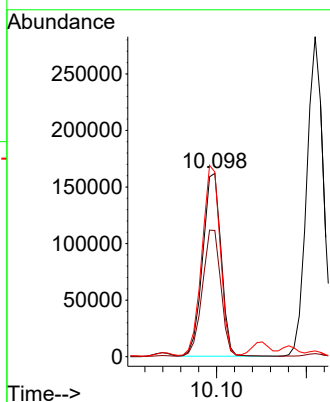
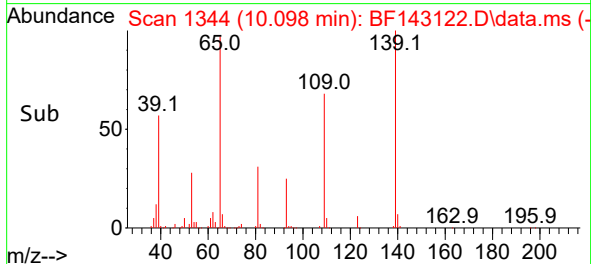
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:139 Resp: 229295
Ion Ratio Lower Upper
139 100
109 68.8 49.4 89.4
65 100.7 88.2 128.2

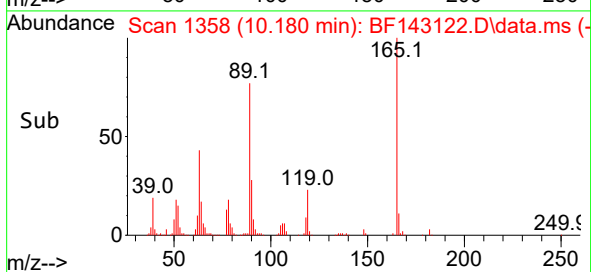
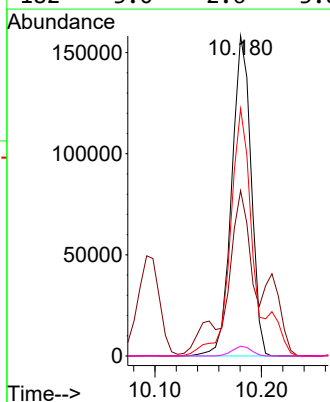
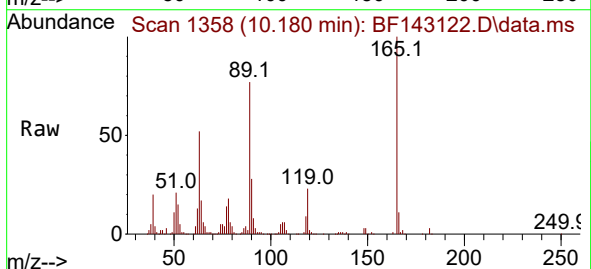
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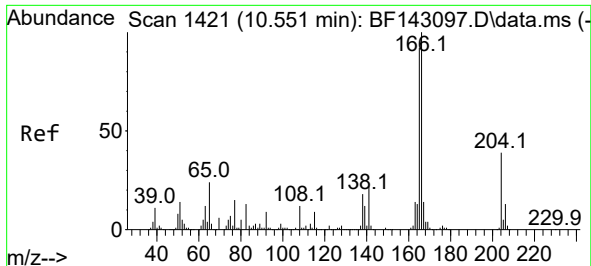
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#57
2,4-Dinitrotoluene
Concen: 46.293 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

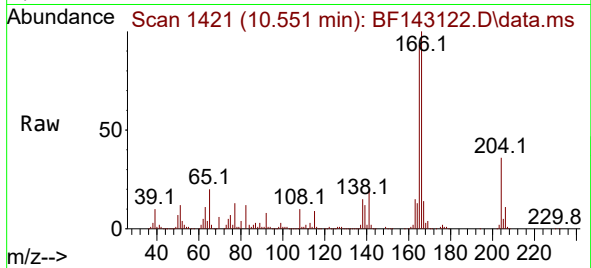
Tgt Ion:165 Resp: 200358
Ion Ratio Lower Upper
165 100
63 51.6 40.6 61.0
89 77.3 62.3 93.5
182 3.0 2.6 3.8





#58
Fluorene
Concen: 40.441 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

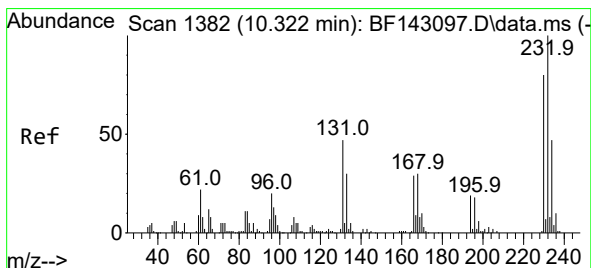
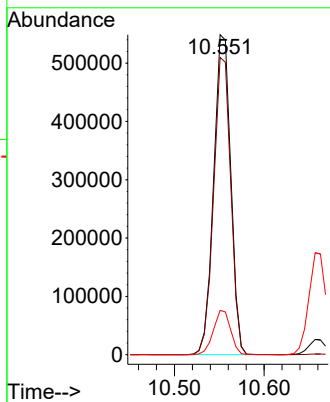
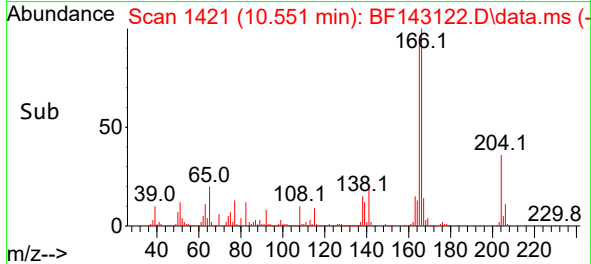
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



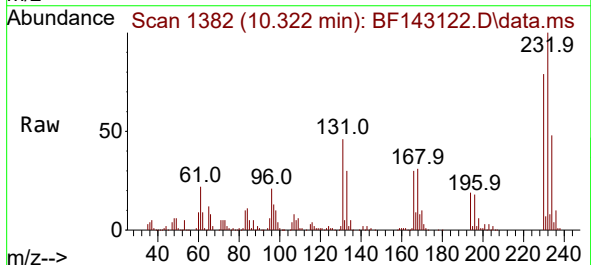
Tgt Ion:166 Resp: 72786
Ion Ratio Lower Upper
166 100
165 92.9 73.7 110.5
167 13.8 10.9 16.3

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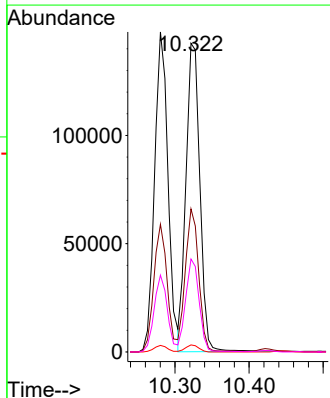
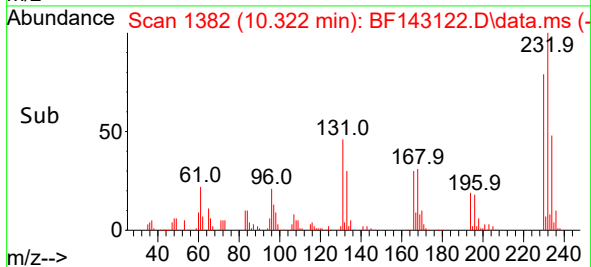
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

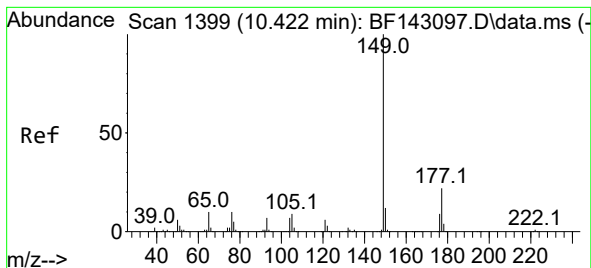


#59
2,3,4,6-Tetrachlorophenol
Concen: 44.054 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



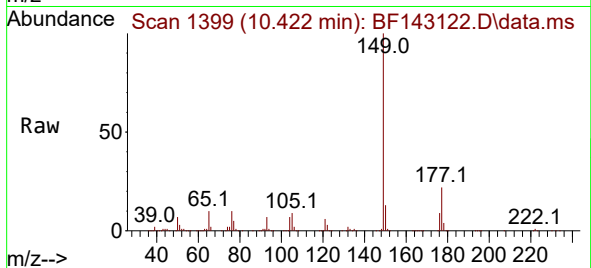
Tgt Ion:232 Resp: 185838
Ion Ratio Lower Upper
232 100
131 44.7 36.9 55.3
130 2.1 1.8 2.8
166 28.9 23.0 34.6





#60
Diethylphthalate
Concen: 42.899 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

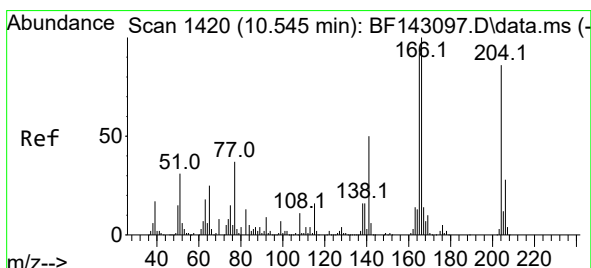
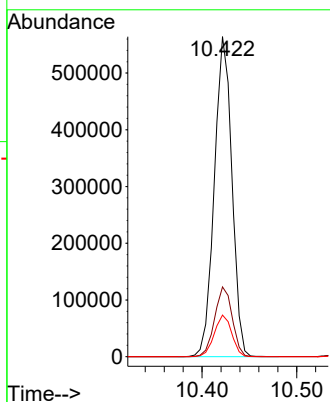
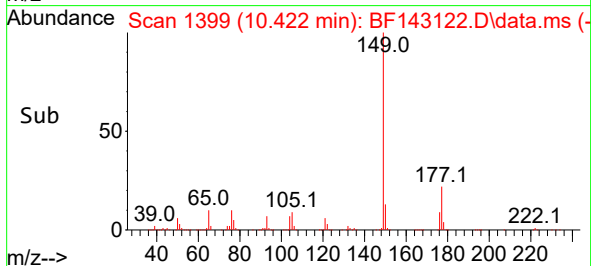
Instrument : BNA_F
ClientSampleId : WC-SOIL-20250711MS



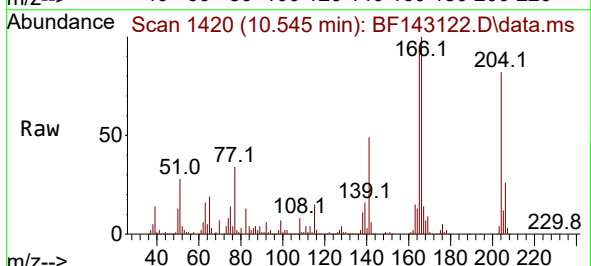
Tgt Ion:149 Resp: 727950
Ion Ratio Lower Upper
149 100
177 21.8 17.3 25.9
150 13.0 9.9 14.9

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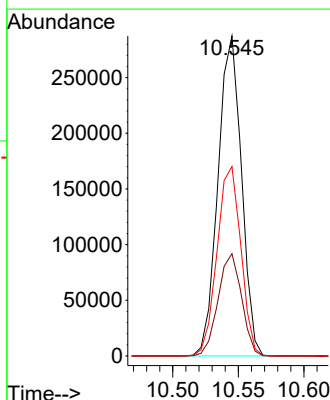
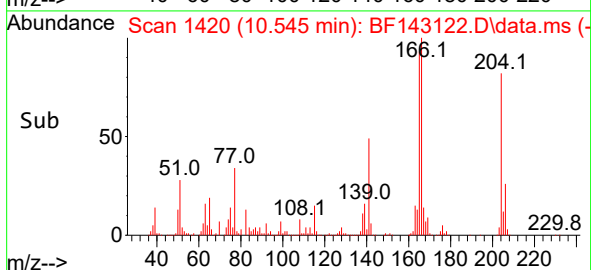
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

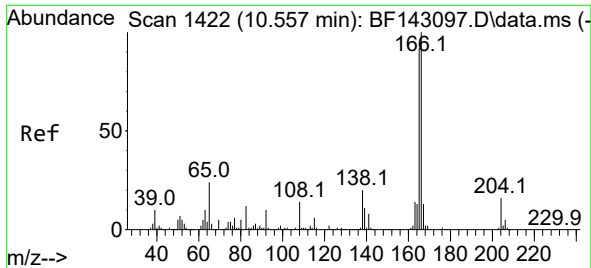


#61
4-Chlorophenyl-phenylether
Concen: 41.424 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



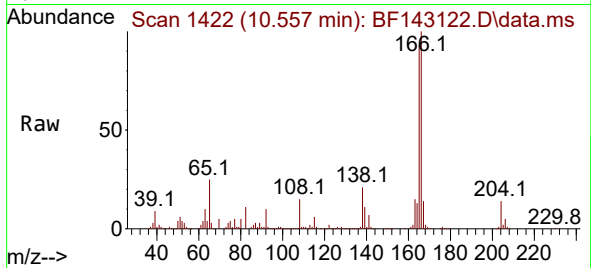
Tgt Ion:204 Resp: 357337
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.6
141 59.2 46.8 70.2





#62
4-Nitroaniline
Concen: 44.897 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

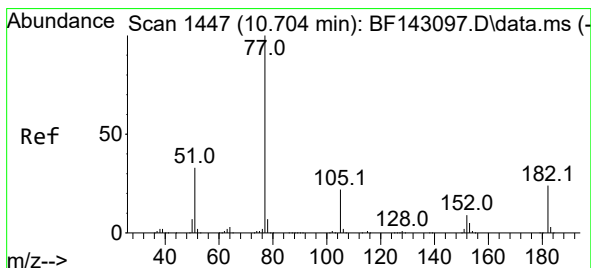
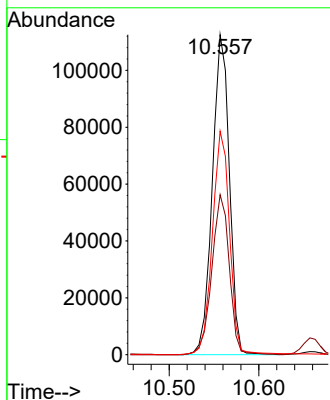
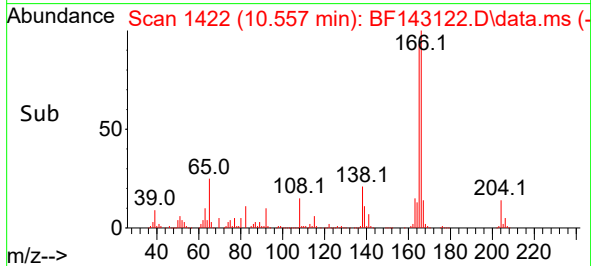
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



Tgt Ion:138 Resp: 148380
Ion Ratio Lower Upper
138 100
92 50.0 30.4 70.4
108 69.8 49.5 89.5

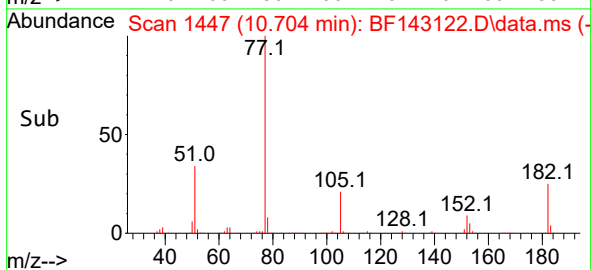
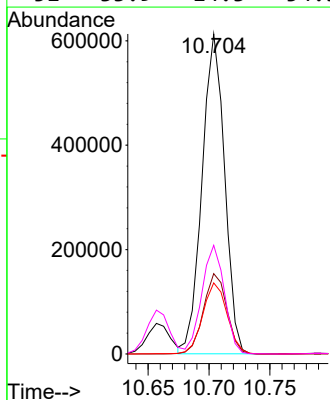
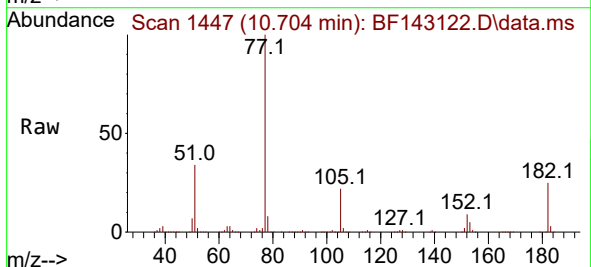
Manual Integrations
APPROVED

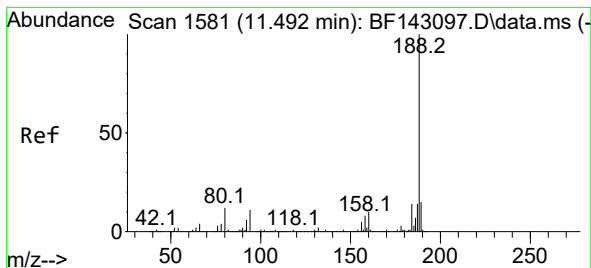
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#63
Azobenzene
Concen: 42.054 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

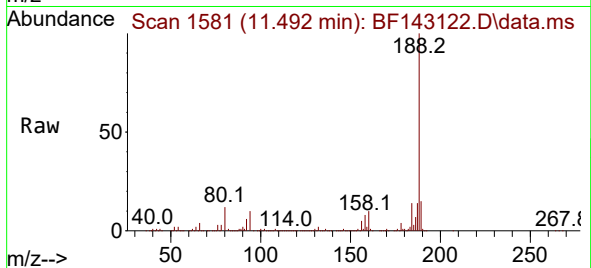
Tgt Ion: 77 Resp: 789208
Ion Ratio Lower Upper
77 100
182 25.1 4.0 44.0
105 22.2 1.4 41.4
51 33.9 14.3 54.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

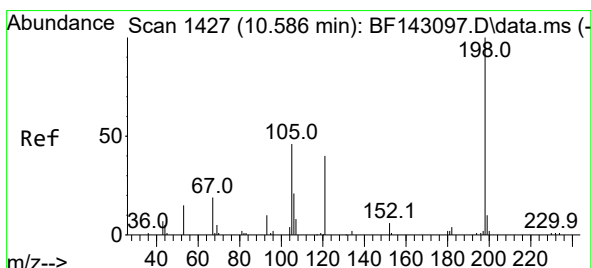
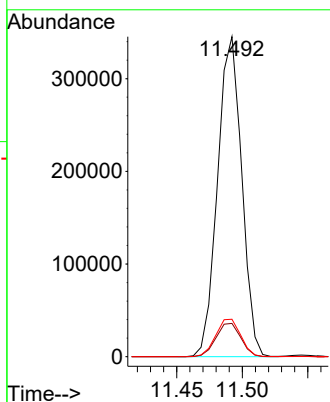
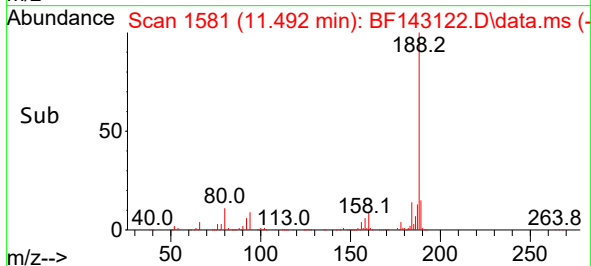
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



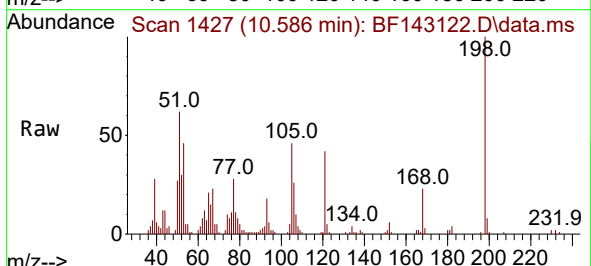
Tgt Ion:188 Resp: 44244
Ion Ratio Lower Upper
188 100
94 10.4 8.6 13.0
80 11.7 9.3 13.9

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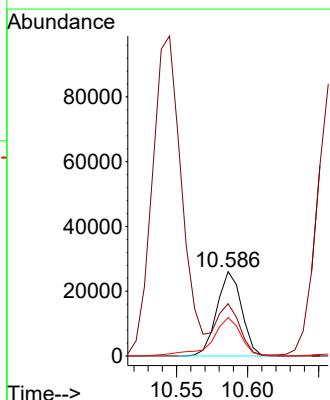
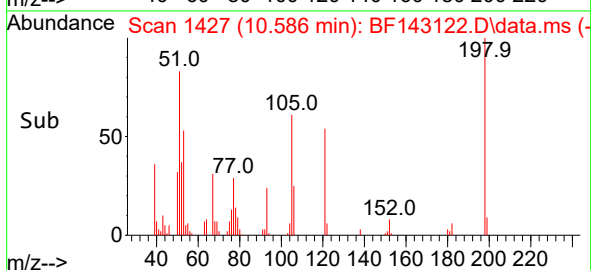
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

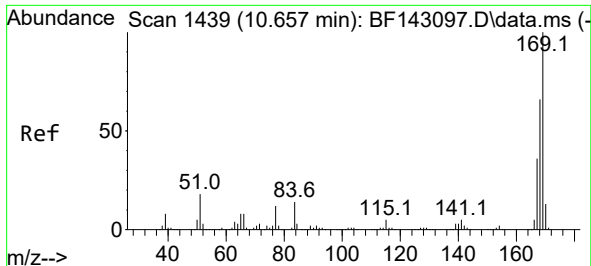


#65
4,6-Dinitro-2-methylphenol
Concen: 24.093 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



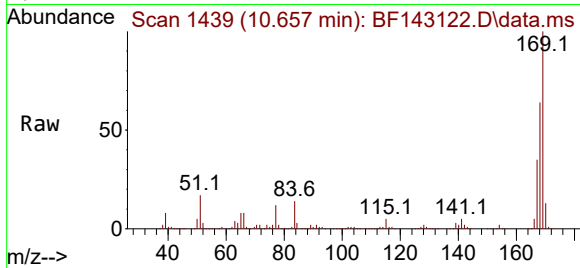
Tgt Ion:198 Resp: 31475
Ion Ratio Lower Upper
198 100
51 62.0 44.6 84.6
105 45.5 29.3 69.3





#66
n-Nitrosodiphenylamine
Concen: 42.294 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

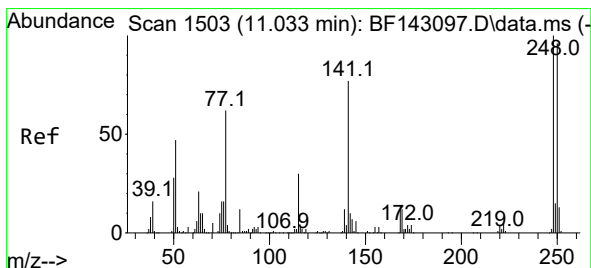
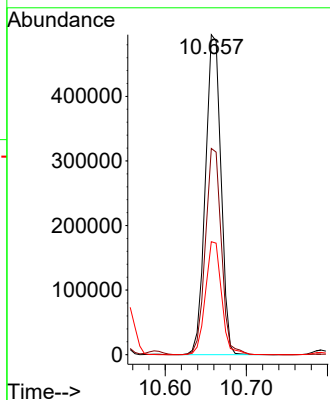
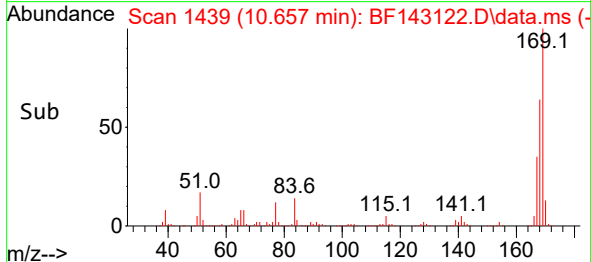
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



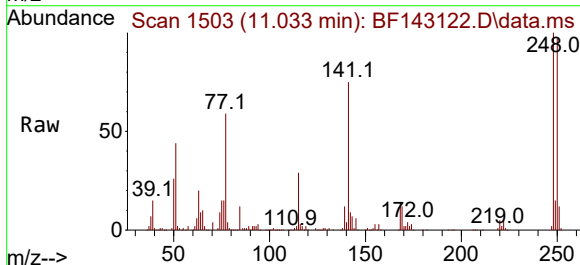
Tgt Ion:169 Resp: 657309
Ion Ratio Lower Upper
169 100
168 64.5 53.0 79.6
167 35.3 28.4 42.6

Manual Integrations
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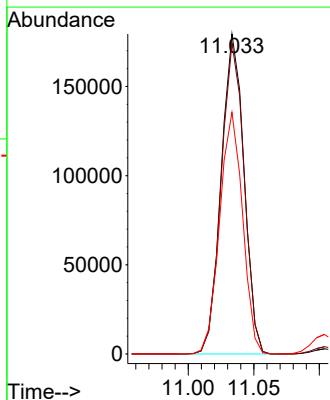
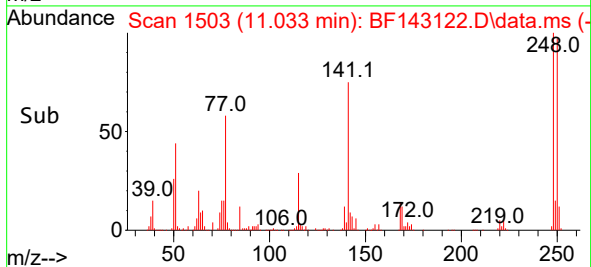
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

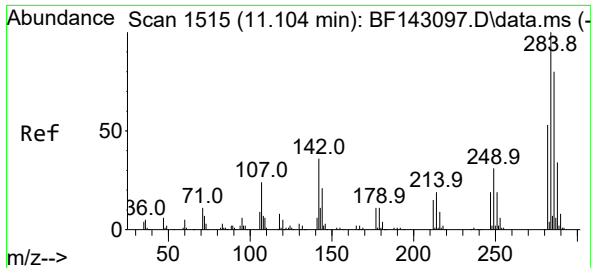


#67
4-Bromophenyl-phenylether
Concen: 43.176 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



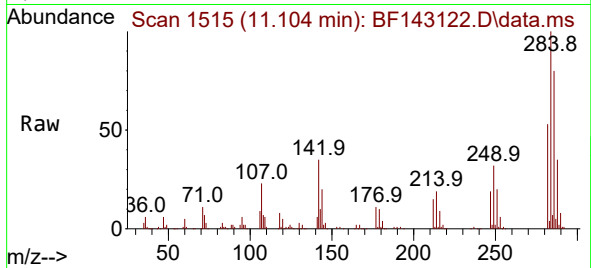
Tgt Ion:248 Resp: 217241
Ion Ratio Lower Upper
248 100
250 97.2 76.7 115.1
141 75.5 61.7 92.5





#68
Hexachlorobenzene
Concen: 42.521 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

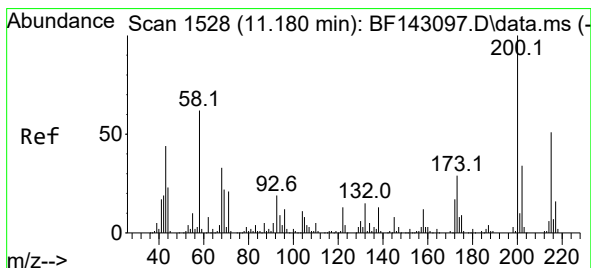
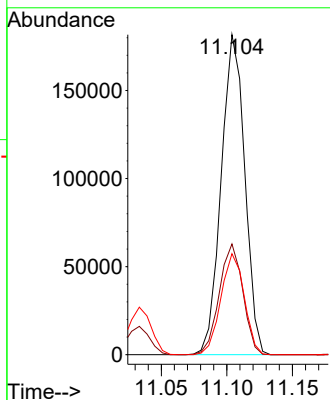
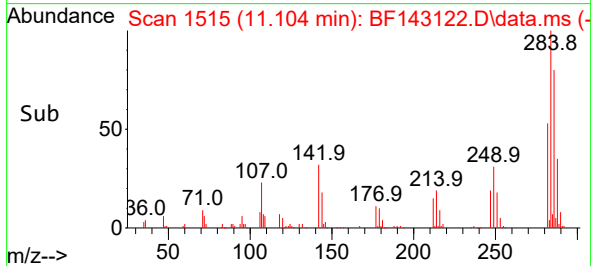
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



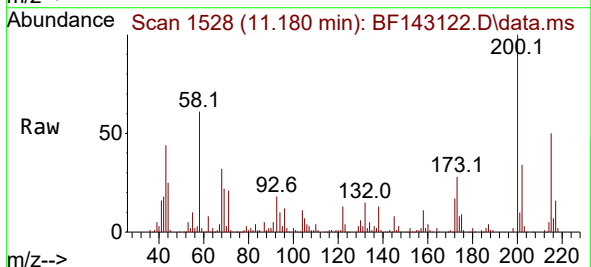
Tgt Ion:284 Resp: 22700
Ion Ratio Lower Upper
284 100
142 34.6 28.9 43.3
249 31.6 24.6 37.0

Manual Integrations
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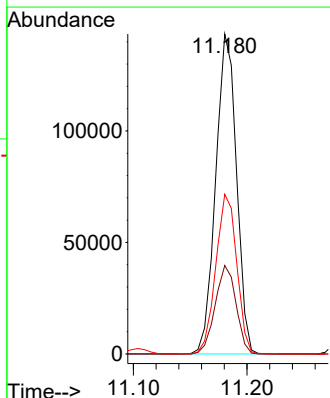
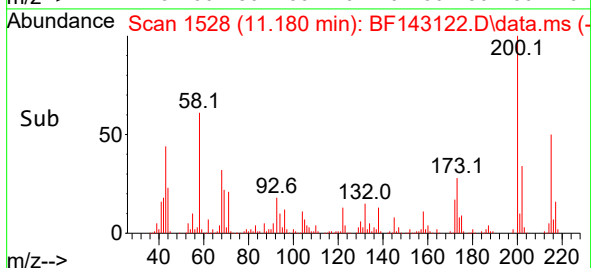
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

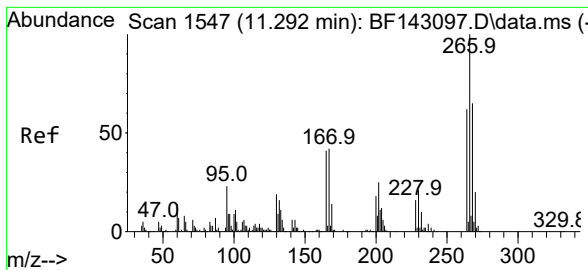


#69
Atrazine
Concen: 45.934 ng
RT: 11.180 min Scan# 1528
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



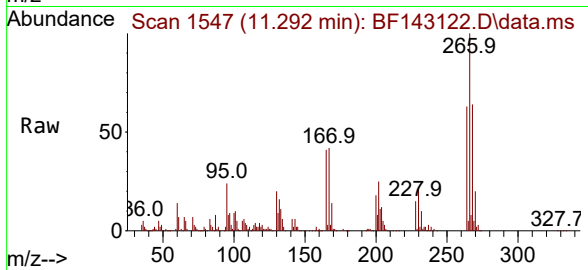
Tgt Ion:200 Resp: 182643
Ion Ratio Lower Upper
200 100
173 27.7 9.1 49.1
215 49.9 31.0 71.0





#70
 Pentachlorophenol
 Concen: 75.092 ng
 RT: 11.292 min Scan# 1547
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

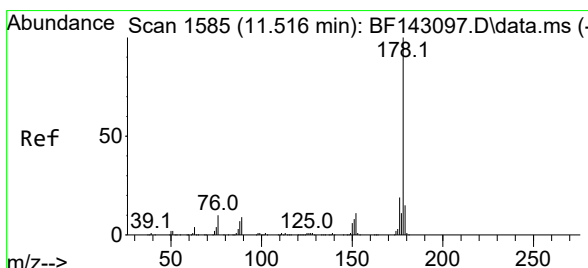
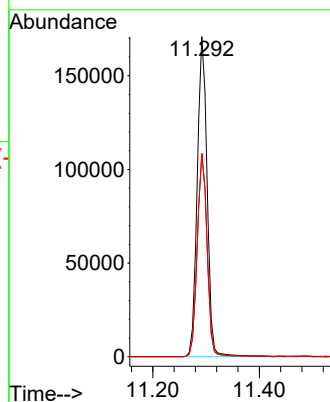
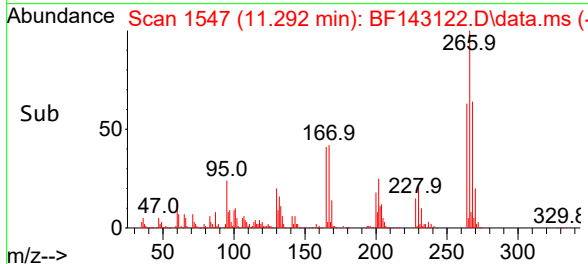
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS



Tgt Ion:266 Resp: 219940
 Ion Ratio Lower Upper
 266 100
 268 63.5 51.8 77.6
 264 63.5 49.7 74.5

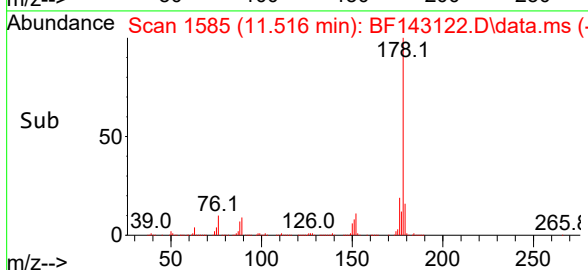
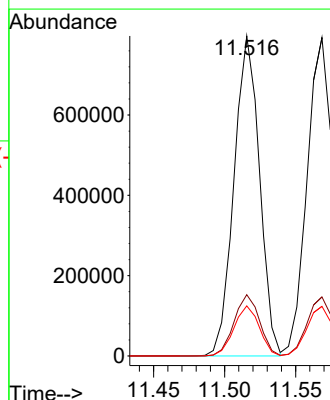
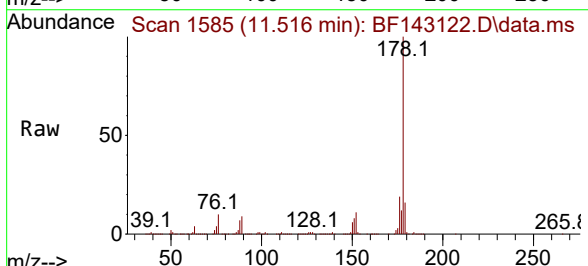
Manual Integrations
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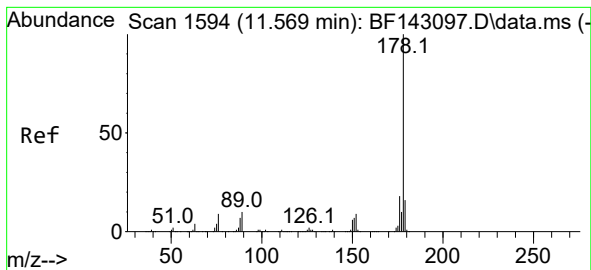
Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025



#71
 Phenanthrene
 Concen: 41.656 ng
 RT: 11.516 min Scan# 1585
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

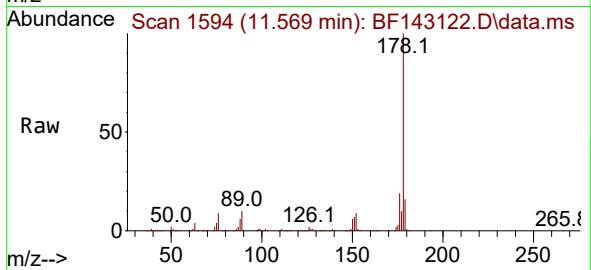
Tgt Ion:178 Resp: 994655
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.1 22.7
 179 15.6 12.2 18.4





#72
 Anthracene
 Concen: 41.818 ng
 RT: 11.569 min Scan# 11594
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS

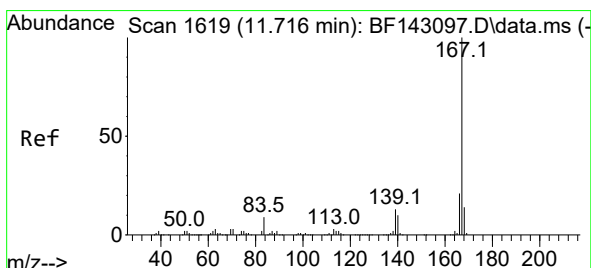
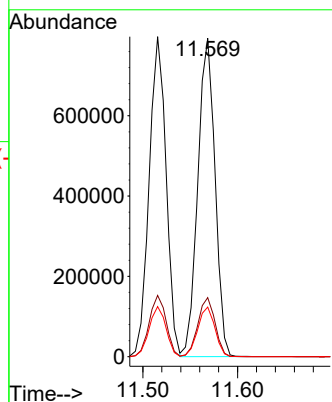
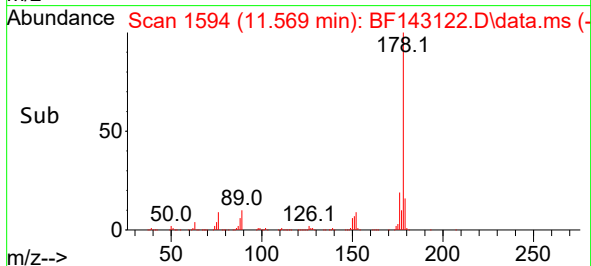


Tgt Ion:178 Resp: 1004134

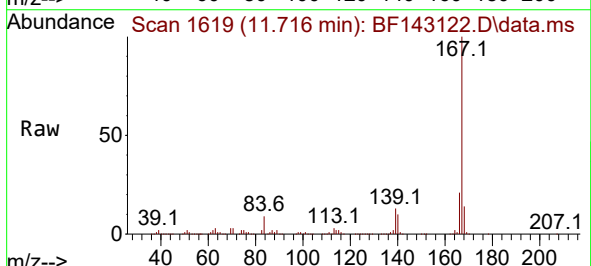
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.6	12.4	18.6

Manual Integrations
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Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025

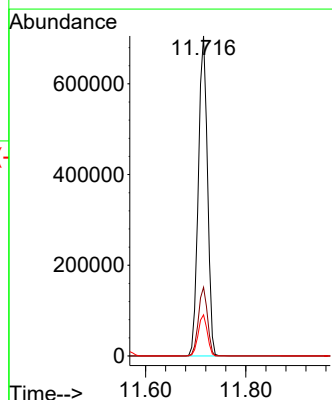
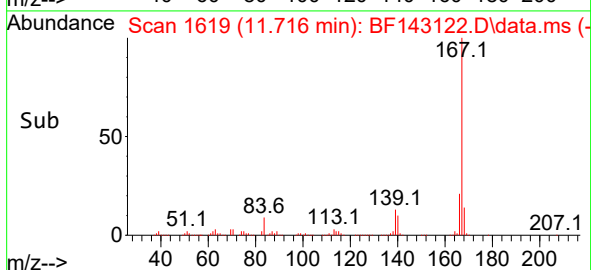


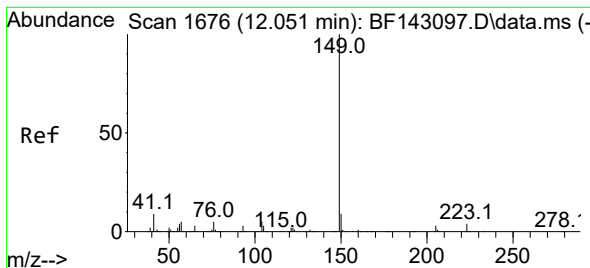
#73
 Carbazole
 Concen: 41.337 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09



Tgt Ion:167 Resp: 889232

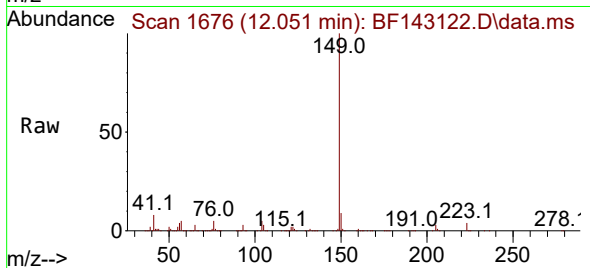
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.4
139	12.9	10.2	15.4





#74
Di-n-butylphthalate
Concen: 47.886 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

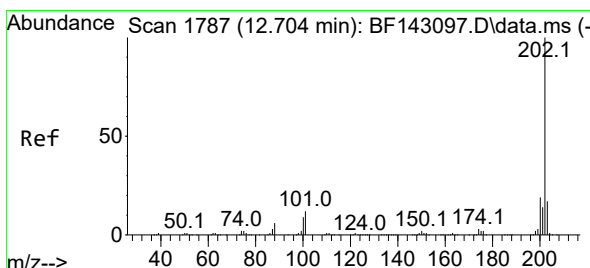
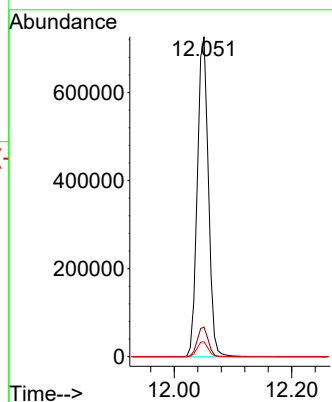
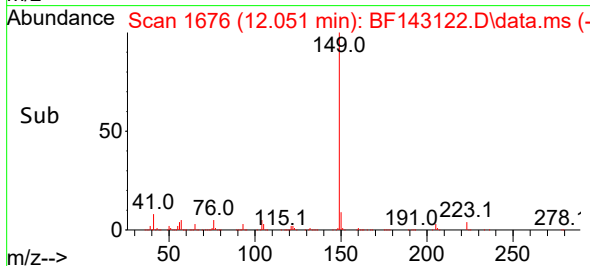
Instrument : BNA_F
ClientSampleId : WC-SOIL-20250711MS



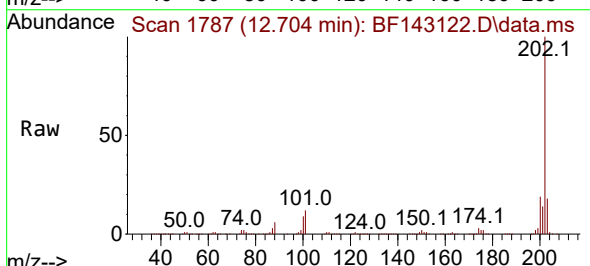
Tgt Ion:149 Resp: 94555
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 4.7 3.8 5.8

Manual Integrations
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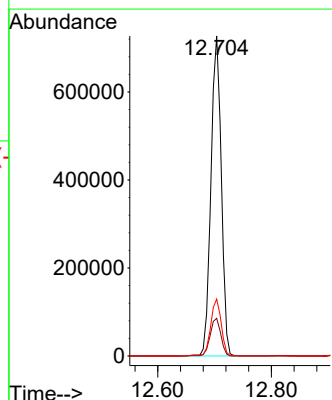
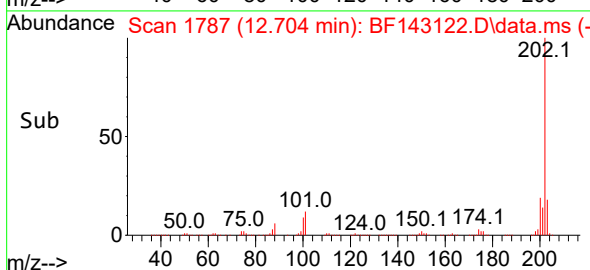
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

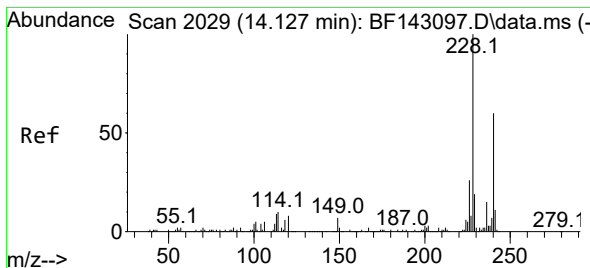


#75
Fluoranthene
Concen: 42.142 ng
RT: 12.704 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



Tgt Ion:202 Resp: 914970
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.4
203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. -0.000 min

Lab File: BF143122.D

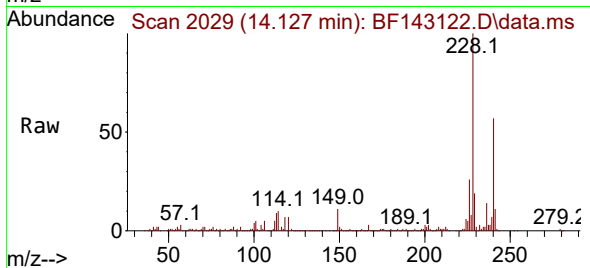
Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS



Tgt Ion:240 Resp: 237238

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

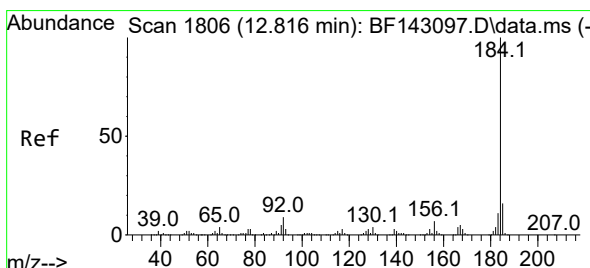
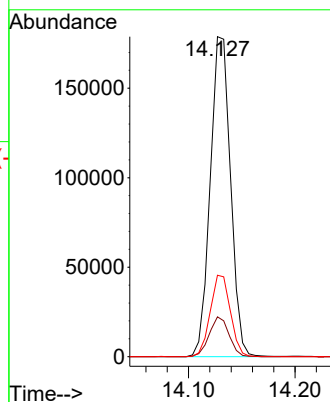
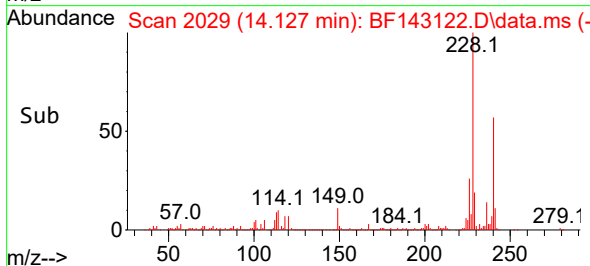
236 25.4 20.0 30.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#77

Benzidine

Concen: 18.872 ng

RT: 12.816 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

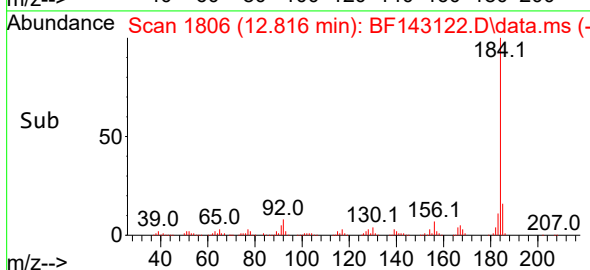
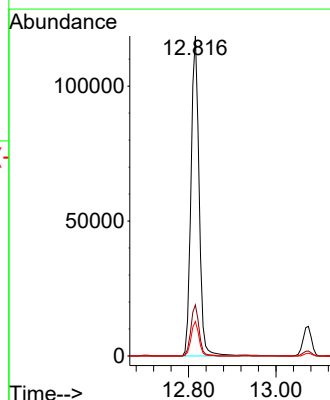
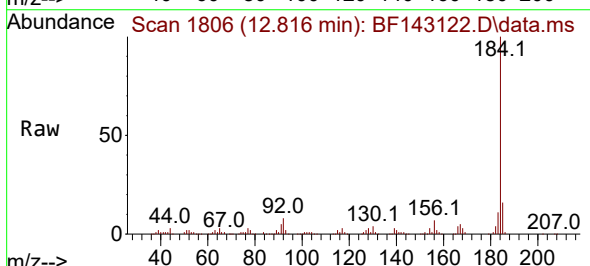
Tgt Ion:184 Resp: 152530

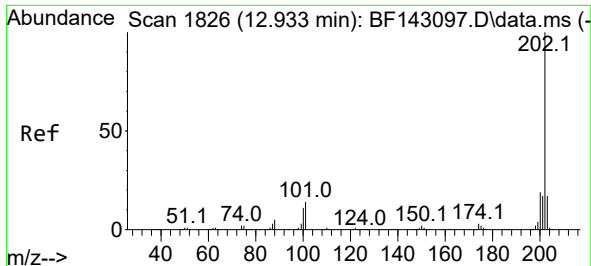
Ion Ratio Lower Upper

184 100

185 16.0 12.4 18.6

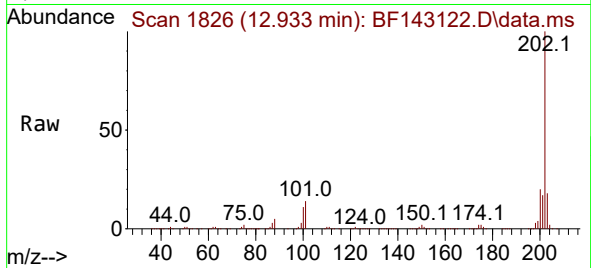
183 10.7 8.6 12.8





#78
Pyrene
Concen: 41.371 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

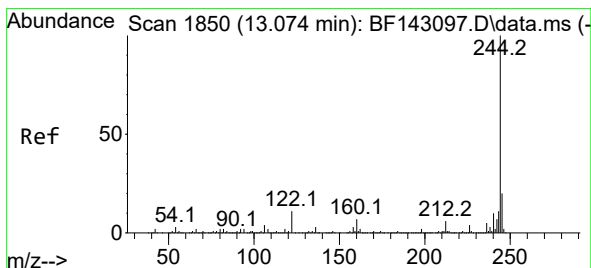
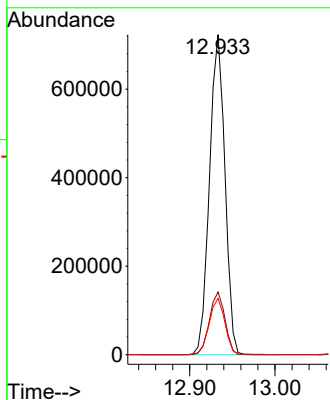
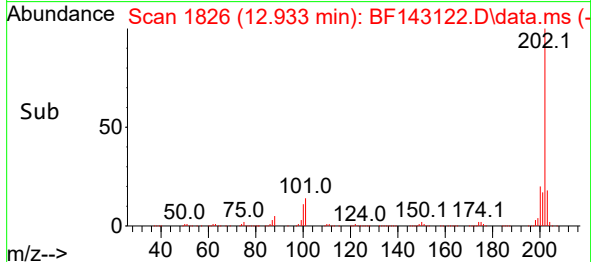
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



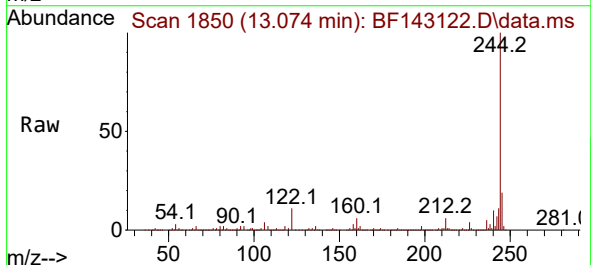
Tgt Ion:202 Resp: 910638
Ion Ratio Lower Upper
202 100
200 19.6 15.5 23.3
203 17.5 14.0 21.0

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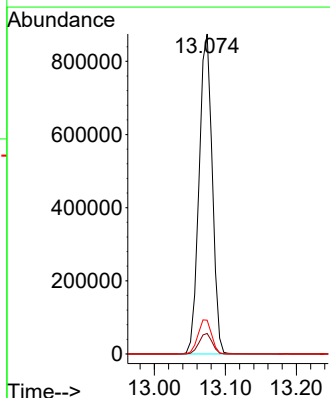
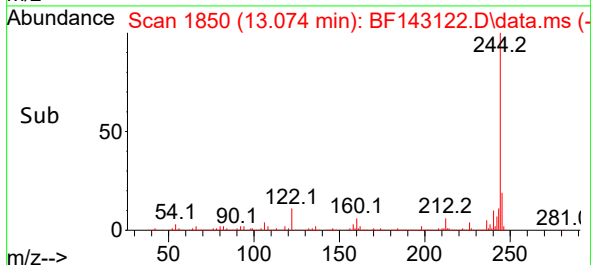
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

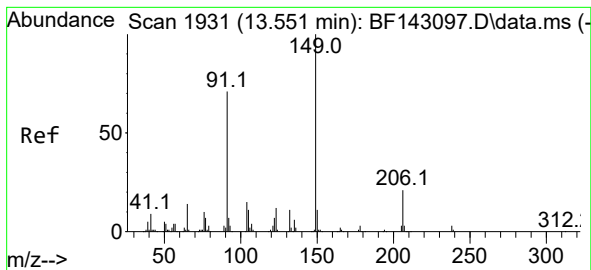


#79
Terphenyl-d14
Concen: 69.646 ng
RT: 13.074 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



Tgt Ion:244 Resp: 1130292
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 10.5 8.8 13.2





#80

Butylbenzylphthalate

Concen: 48.710 ng

RT: 13.545 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

Tgt Ion:149 Resp: 21565

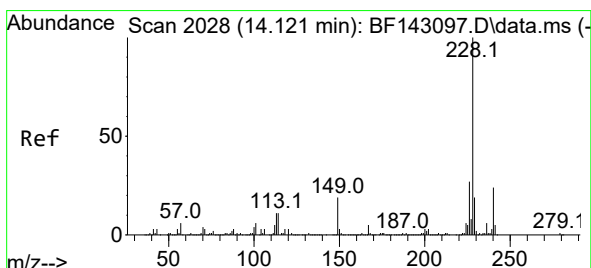
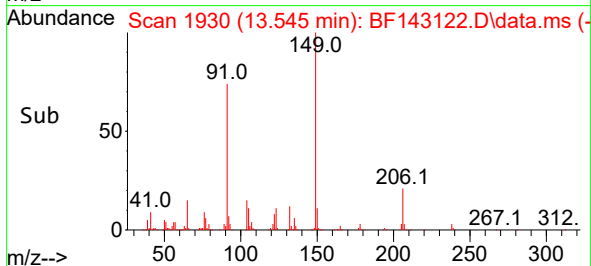
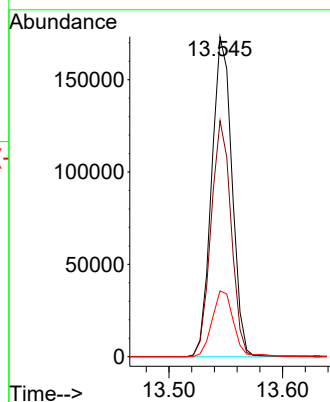
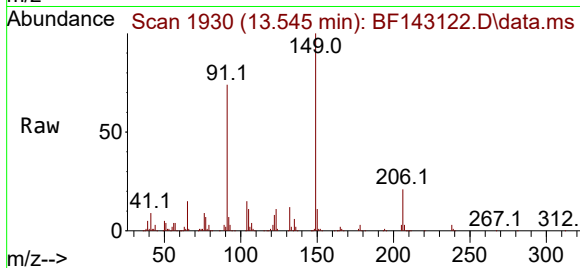
Ion	Ratio	Lower	Upper
149	100		
91	73.8	57.0	85.4
206	20.5	17.2	25.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#81

Benzo(a)anthracene

Concen: 43.967 ng

RT: 14.121 min Scan# 2028

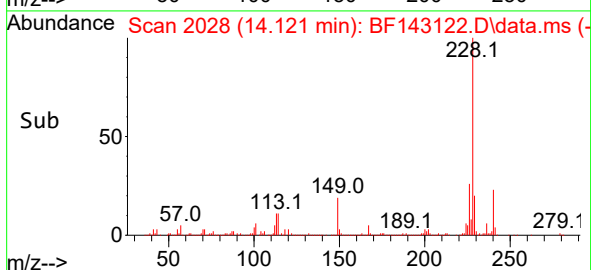
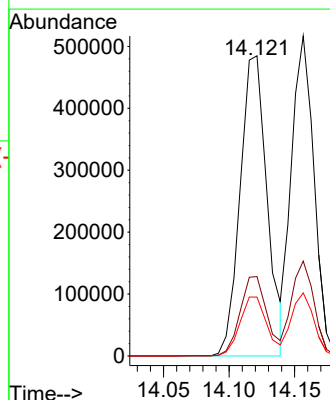
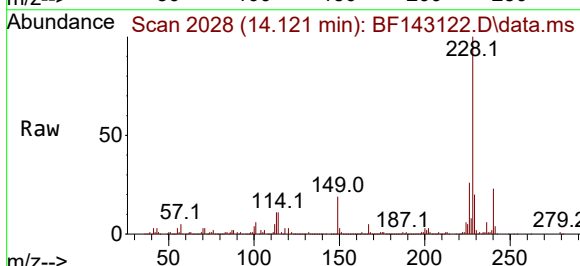
Delta R.T. -0.000 min

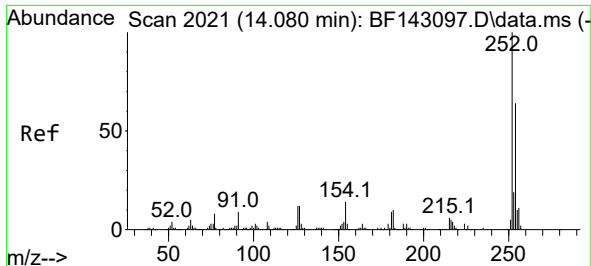
Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Tgt Ion:228 Resp: 695070

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.3	31.9
229	19.6	15.5	23.3





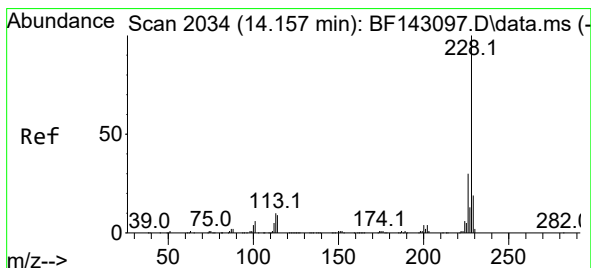
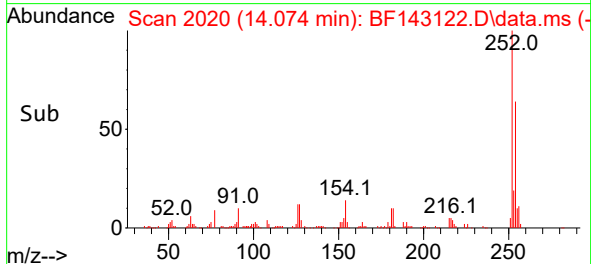
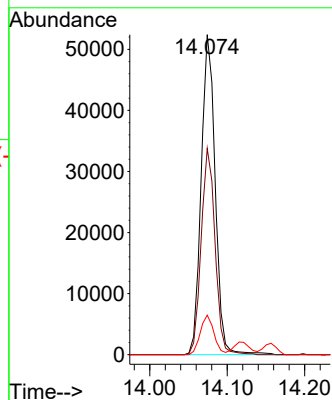
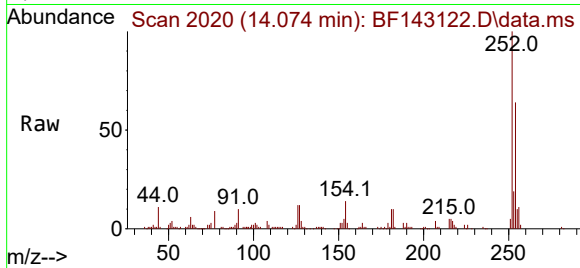
#82
3,3'-Dichlorobenzidine
Concen: 14.346 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

Tgt Ion:252 Resp: 6586
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 12.3 9.4 14.0

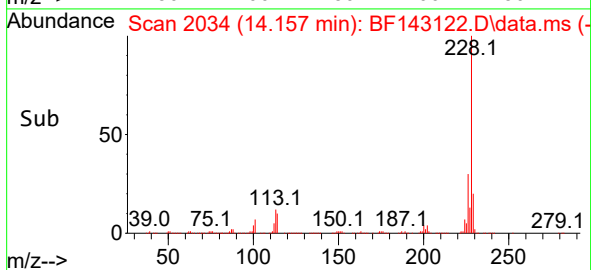
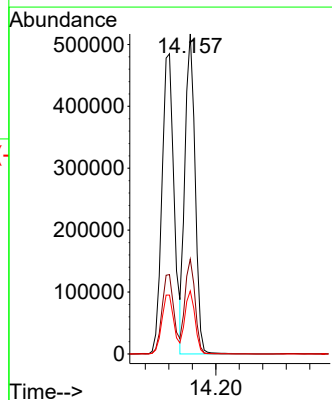
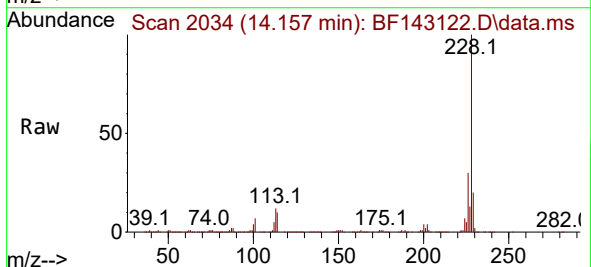
Manual Integrations
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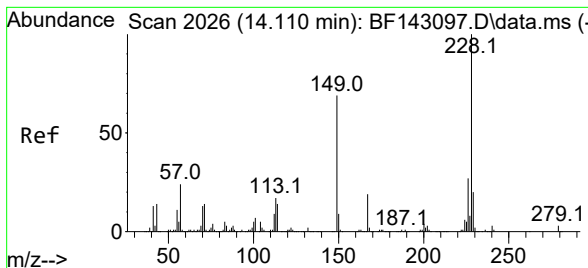
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#83
Chrysene
Concen: 42.501 ng
RT: 14.157 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

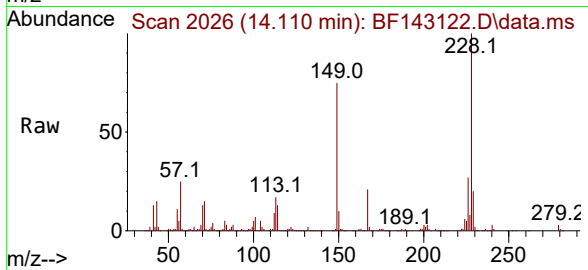
Tgt Ion:228 Resp: 618809
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 19.7 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 46.699 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

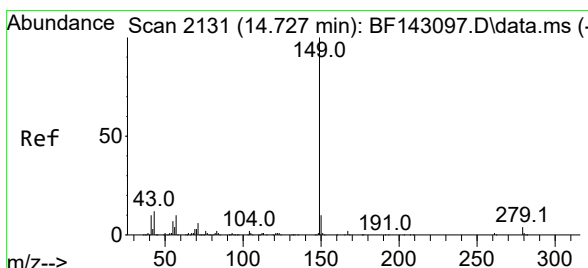
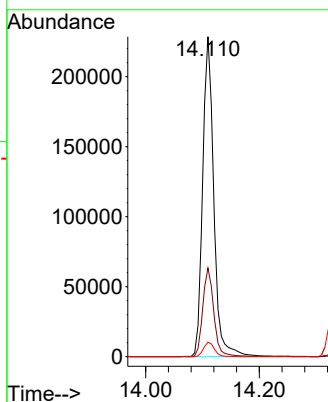
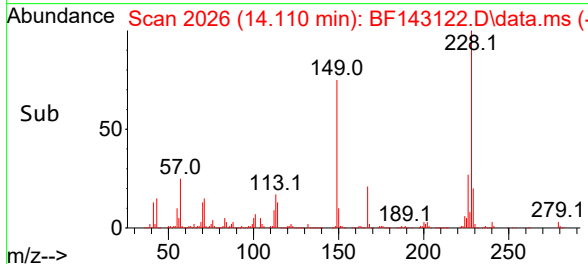
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



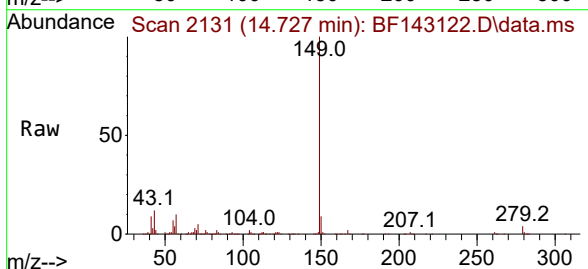
Tgt Ion:149 Resp: 31080
Ion Ratio Lower Upper
149 100
167 27.7 21.9 32.9
279 4.5 3.4 5.0

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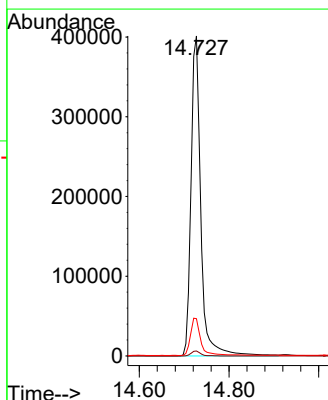
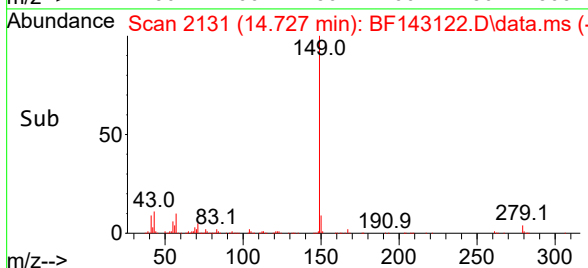
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

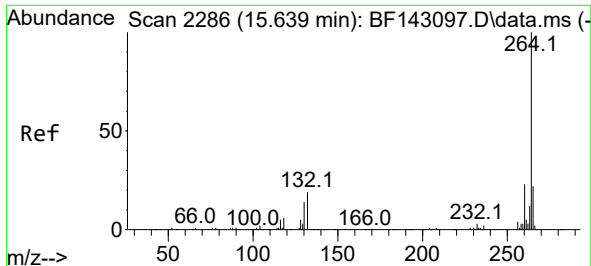


#85
Di-n-octyl phthalate
Concen: 48.177 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



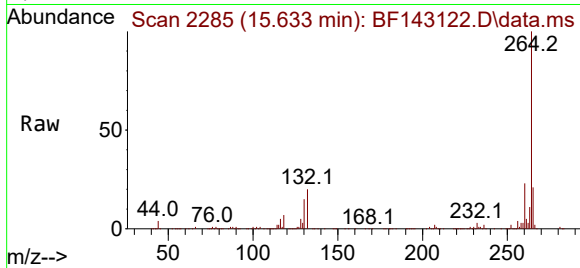
Tgt Ion:149 Resp: 608309
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.3 10.6 16.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

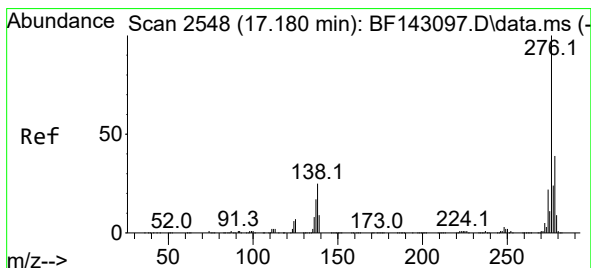
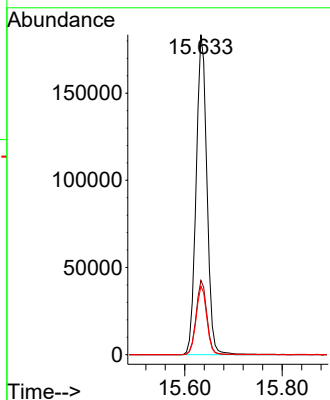
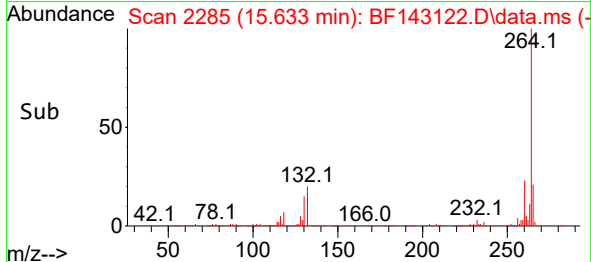
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS



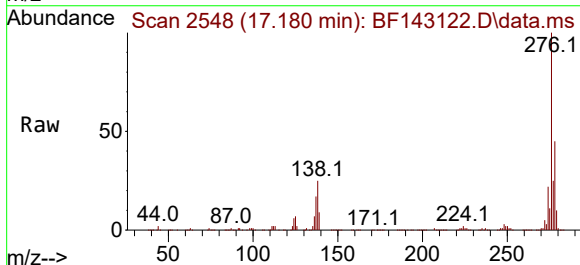
Tgt Ion:264 Resp: 28355
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.4 17.5 26.3

Manual Integrations
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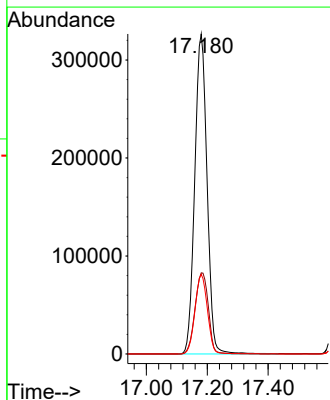
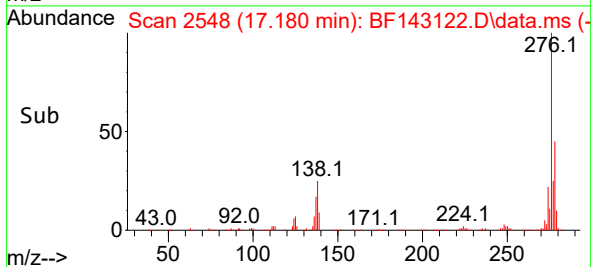
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

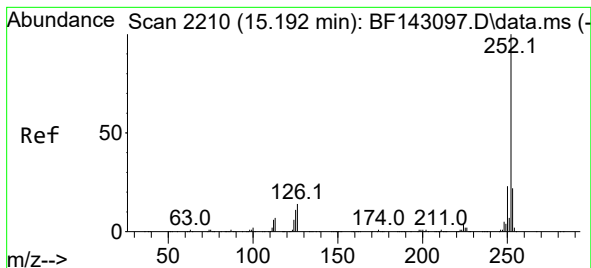


#87
Indeno(1,2,3-cd)pyrene
Concen: 43.399 ng
RT: 17.180 min Scan# 2548
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09



Tgt Ion:276 Resp: 915260
Ion Ratio Lower Upper
276 100
138 27.4 22.6 34.0
277 25.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 42.833 ng

RT: 15.192 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS

Tgt Ion:252 Resp: 700570

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

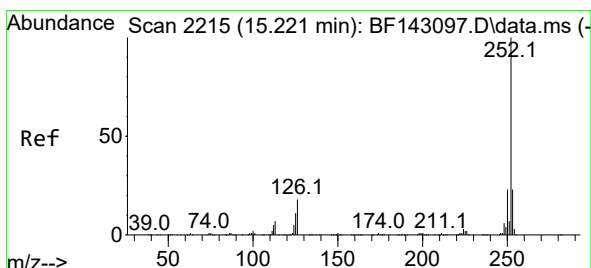
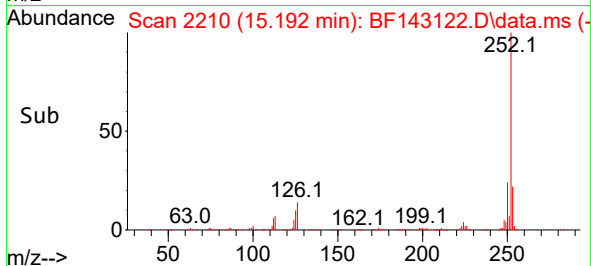
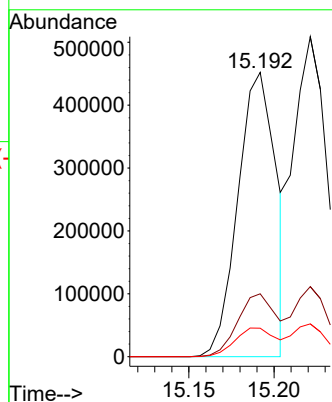
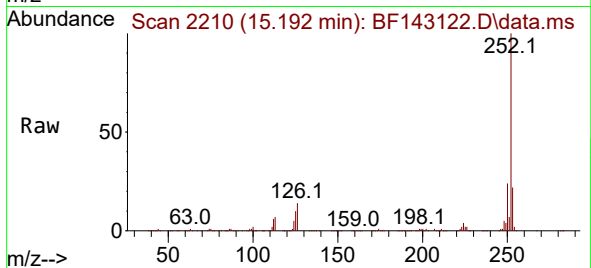
125 10.0 8.6 13.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#89

Benzo(k)fluoranthene

Concen: 45.593 ng

RT: 15.221 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

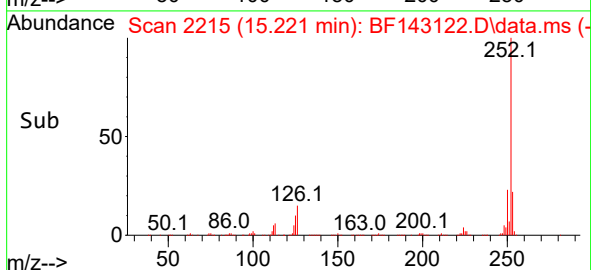
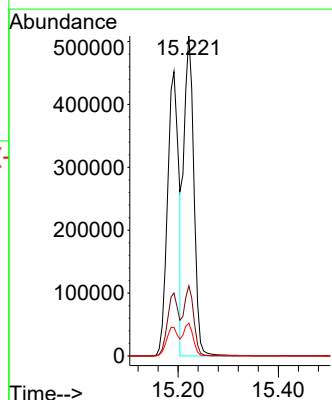
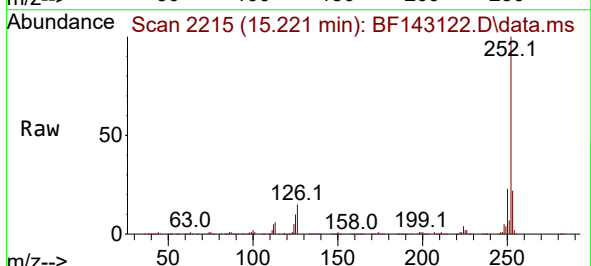
Tgt Ion:252 Resp: 711413

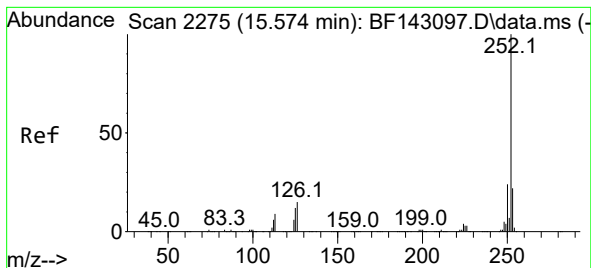
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 10.2 8.5 12.7





#90

Benzo(a)pyrene

Concen: 45.154 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143122.D

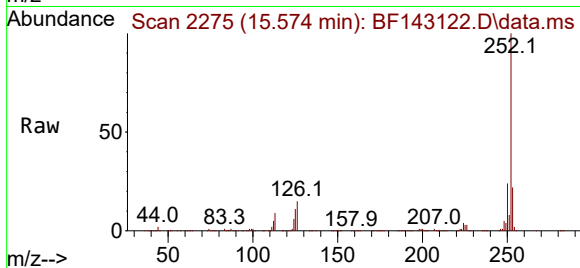
Acq: 16 Jul 2025 22:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MS



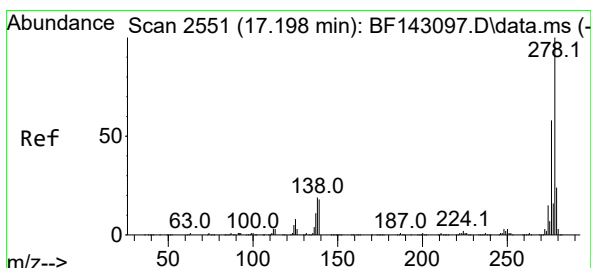
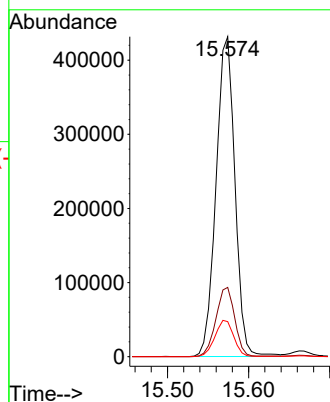
Tgt Ion:	252	Resp:	698480
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	10.9	9.4	14.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#91

Dibenzo(a,h)anthracene

Concen: 42.753 ng

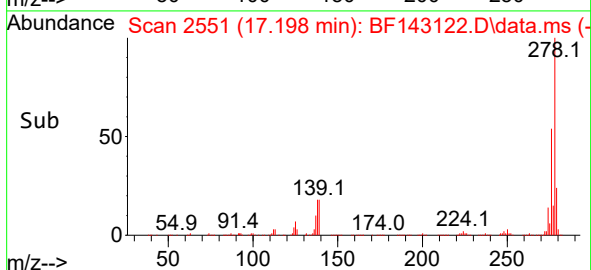
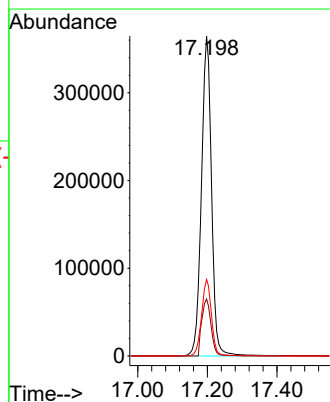
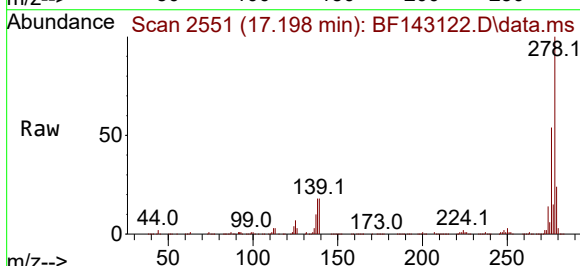
RT: 17.198 min Scan# 2551

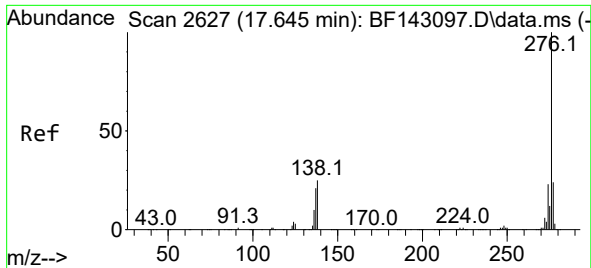
Delta R.T. -0.000 min

Lab File: BF143122.D

Acq: 16 Jul 2025 22:09

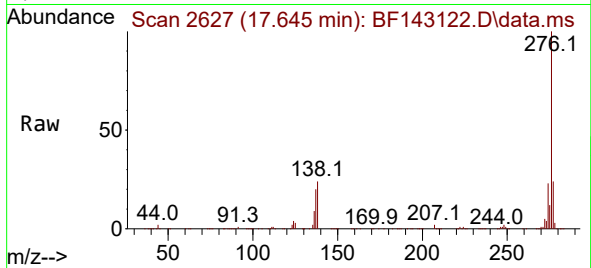
Tgt Ion:	278	Resp:	737065
Ion Ratio	Lower	Upper	
278	100		
139	17.8	14.6	22.0
279	23.9	18.8	28.2





#92
 Benzo(g,h,i)perylene
 Concen: 41.822 ng
 RT: 17.645 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF143122.D
 Acq: 16 Jul 2025 22:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MS



Tgt Ion:276 Resp: 73508
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.2 28.8
 138 24.2 19.8 29.6

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025

