

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143123.D
 Acq On : 16 Jul 2025 22:38
 Operator : RC/JU
 Sample : Q2592-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MSD

Quant Time: Jul 17 03:46:35 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	155046	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	589623	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	296871	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	461806	20.000	ng	0.00
76) Chrysene-d12	14.127	240	242870	20.000	ng	0.00
86) Perylene-d12	15.633	264	288284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	985165	100.389	ng	0.02
7) Phenol-d6	6.587	99	1187920	96.301	ng	0.00
23) Nitrobenzene-d5	7.522	82	868402	82.622	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	335959	126.918	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1531577	68.578	ng	0.00
79) Terphenyl-d14	13.074	244	1141518	68.707	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.051	88	158532	32.453	ng	# 88
3) Pyridine	3.746	79	359677	29.076	ng	99
4) n-Nitrosodimethylamine	3.657	42	235146	36.690	ng	99
6) Aniline	6.628	93	248322	14.295	ng	99
8) 2-Chlorophenol	6.751	128	399351	40.503	ng	98
9) Benzaldehyde	6.516	77	208065	22.136	ng	99
10) Phenol	6.604	94	474280	35.516	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	401788	38.865	ng	100
12) 1,3-Dichlorobenzene	6.910	146	401439	36.039	ng	99
13) 1,4-Dichlorobenzene	6.986	146	403710	36.025	ng	99
14) 1,2-Dichlorobenzene	7.139	146	390356	36.527	ng	100
15) Benzyl Alcohol	7.098	79	377846	41.339	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	712236	37.375	ng	99
17) 2-Methylphenol	7.210	107	341828	40.174	ng	99
18) Hexachloroethane	7.486	117	140139	38.414	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	303492	40.159	ng	99
20) 3+4-Methylphenols	7.363	107	420120	40.262	ng	97
22) Acetophenone	7.369	105	555372	39.074	ng	# 93
24) Nitrobenzene	7.545	77	436738	43.043	ng	99
25) Isophorone	7.781	82	836111	41.156	ng	99
26) 2-Nitrophenol	7.857	139	183091	45.388	ng	97
27) 2,4-Dimethylphenol	7.892	122	393628	41.746	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	511274	41.502	ng	99
29) 2,4-Dichlorophenol	8.098	162	331282	42.946	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	342733	39.150	ng	98
31) Naphthalene	8.269	128	1148259	39.217	ng	100
32) Benzoic acid	7.933	122	16668	9.587	ng	97
33) 4-Chloroaniline	8.310	127	45970	3.904	ng	98
34) Hexachlorobutadiene	8.392	225	205545	39.259	ng	99
35) Caprolactam	8.663	113	54822	22.759	ng	96
36) 4-Chloro-3-methylphenol	8.786	107	366909	42.700	ng	98
37) 2-Methylnaphthalene	8.963	142	713317	40.837	ng	100
38) 1-Methylnaphthalene	9.063	142	735969	40.624	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	345751	39.964	ng	99
41) Hexachlorocyclopentadiene	9.122	237	383185	79.887	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	237559	44.192	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143123.D
 Acq On : 16 Jul 2025 22:38
 Operator : RC/JU
 Sample : Q2592-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

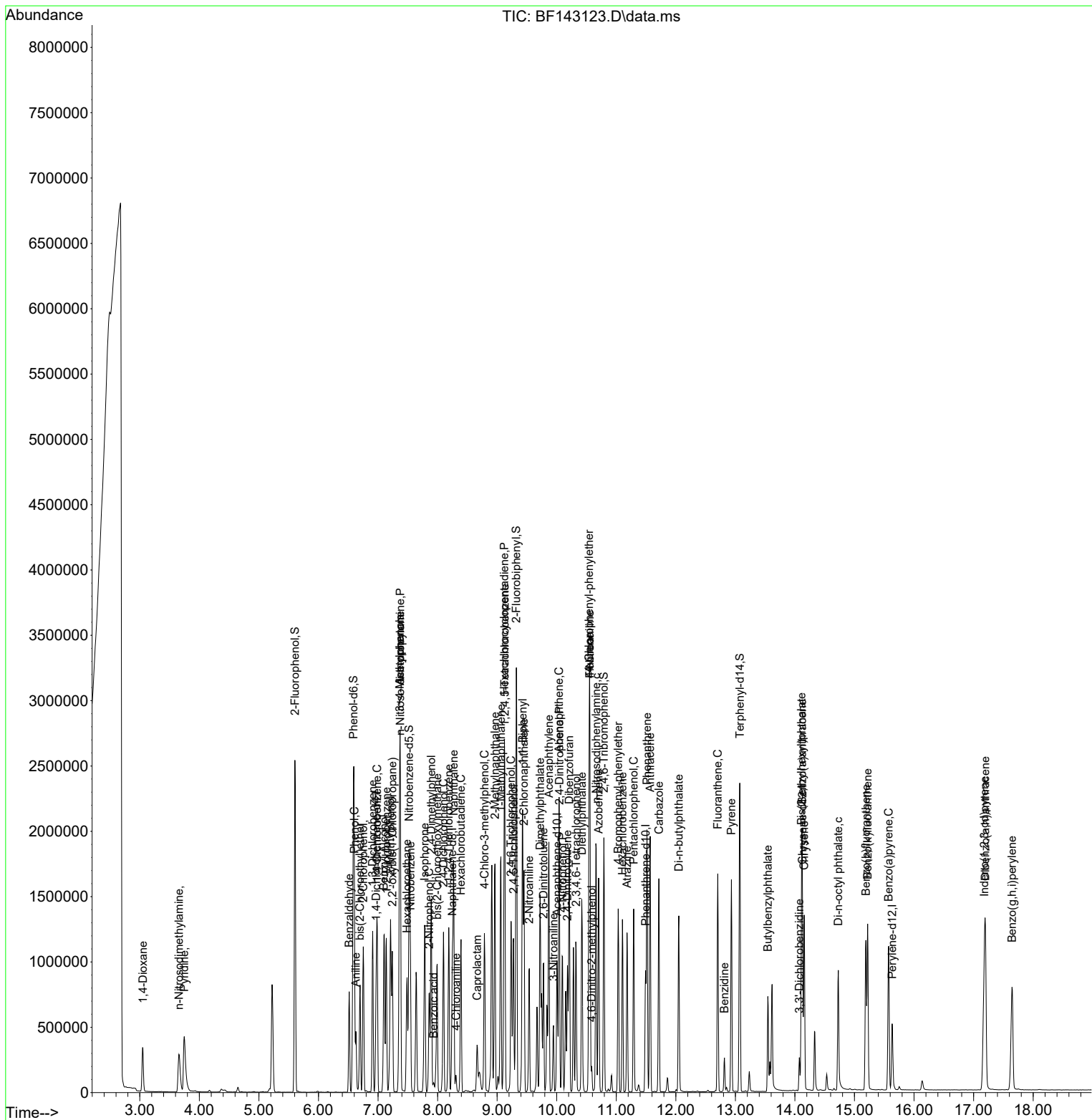
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MSD

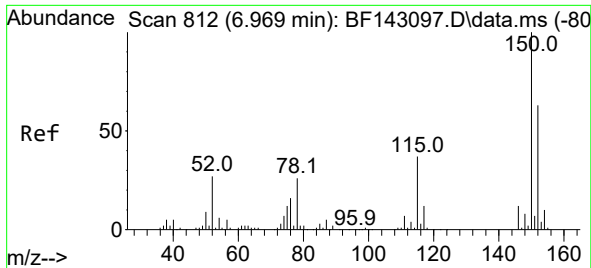
Quant Time: Jul 17 03:46:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	243096	43.128	ng	99
46) 1,1'-Biphenyl	9.428	154	957169	40.430	ng	99
47) 2-Chloronaphthalene	9.451	162	694587	39.937	ng	99
48) 2-Nitroaniline	9.539	65	227895	44.159	ng	96
49) Acenaphthylene	9.869	152	1183859	40.849	ng	99
50) Dimethylphthalate	9.722	163	822343	44.031	ng	100
51) 2,6-Dinitrotoluene	9.780	165	167499	45.539	ng	91
52) Acenaphthene	10.039	154	682900	39.930	ng	100
53) 3-Nitroaniline	9.945	138	97193	24.084	ng	99
54) 2,4-Dinitrophenol	10.045	184	22054	24.116	ng	# 1
55) Dibenzofuran	10.210	168	1040598	40.822	ng	99
56) 4-Nitrophenol	10.098	139	226579	70.644	ng	97
57) 2,4-Dinitrotoluene	10.180	165	214229	46.591	ng	99
58) Fluorene	10.557	166	764679	40.011	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	199674	44.577	ng	98
60) Diethylphthalate	10.422	149	771529	42.818	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	381957	41.698	ng	99
62) 4-Nitroaniline	10.557	138	152045	43.324	ng	98
63) Azobenzene	10.704	77	841015	42.203	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	29165	22.144	ng	98
66) n-Nitrosodiphenylamine	10.663	169	682136	42.051	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	230049	43.804	ng	98
68) Hexachlorobenzene	11.104	284	243166	43.638	ng	97
69) Atrazine	11.180	200	192588	46.405	ng	96
70) Pentachlorophenol	11.292	266	218021	71.314	ng	99
71) Phenanthrene	11.516	178	1028670	41.274	ng	100
72) Anthracene	11.569	178	1040808	41.528	ng	99
73) Carbazole	11.716	167	918194	40.894	ng	100
74) Di-n-butylphthalate	12.051	149	973531	47.235	ng	100
75) Fluoranthene	12.704	202	940517	41.503	ng	99
77) Benzidine	12.816	184	133752	16.165	ng	99
78) Pyrene	12.933	202	913146	40.522	ng	99
80) Butylbenzylphthalate	13.545	149	226545	49.895	ng	98
81) Benzo(a)anthracene	14.121	228	700338	43.273	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	72202	15.363	ng	99
83) Chrysene	14.157	228	626869	42.056	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	344266	50.248	ng	100
85) Di-n-octyl phthalate	14.727	149	680638	52.034	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	928932	43.324	ng	99
88) Benzo(b)fluoranthene	15.192	252	707624	42.554	ng	99
89) Benzo(k)fluoranthene	15.221	252	722763	45.560	ng	100
90) Benzo(a)pyrene	15.574	252	704754	44.811	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	764803	43.634	ng	99
92) Benzo(g,h,i)perylene	17.645	276	746877	41.795	ng	99

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

Quant Time: Jul 17 03:46:35 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

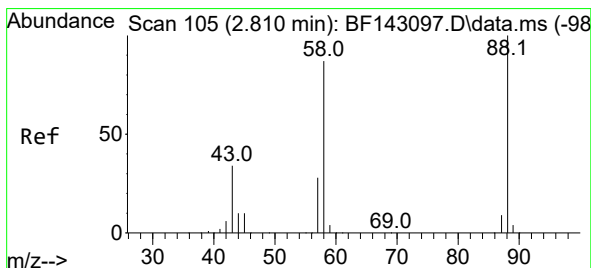
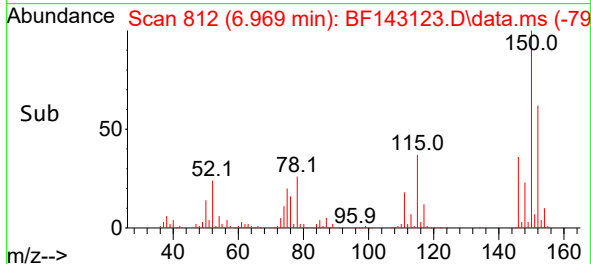
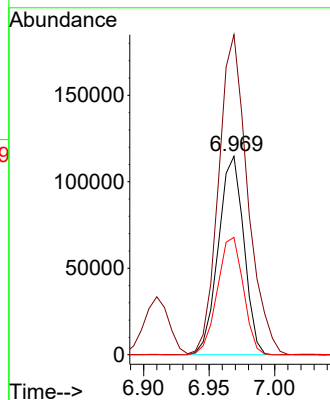
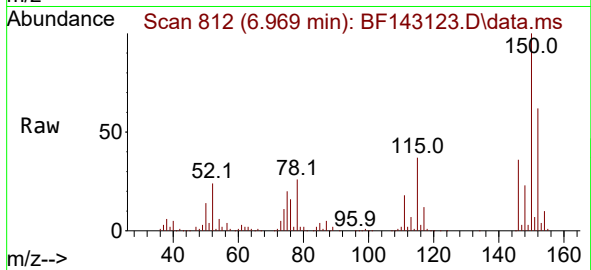




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

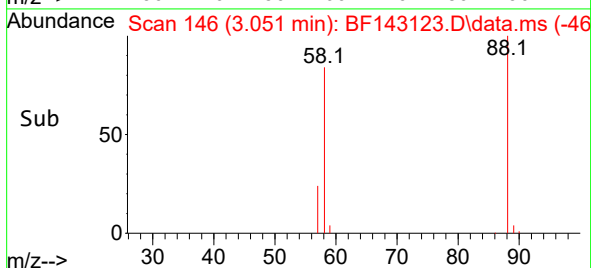
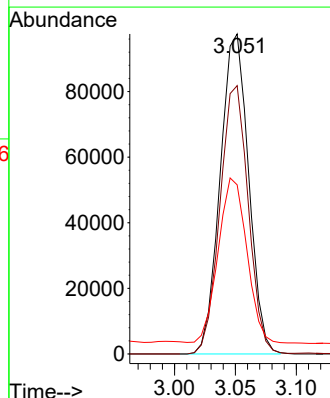
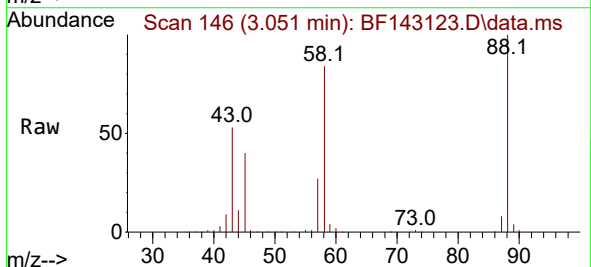
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

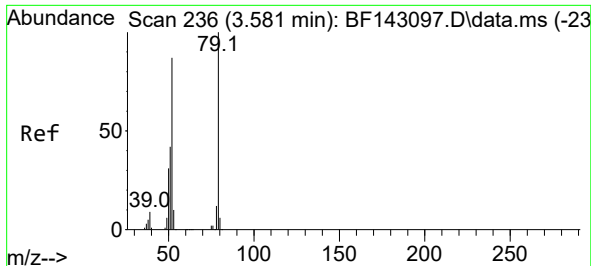
Tgt Ion:152 Resp: 155046
Ion Ratio Lower Upper
152 100
150 161.3 126.5 189.7
115 59.1 47.0 70.6



#2
1,4-Dioxane
Concen: 32.453 ng
RT: 3.051 min Scan# 146
Delta R.T. 0.241 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 88 Resp: 158532
Ion Ratio Lower Upper
88 100
58 83.4 70.5 105.7
43 51.5 27.3 40.9#

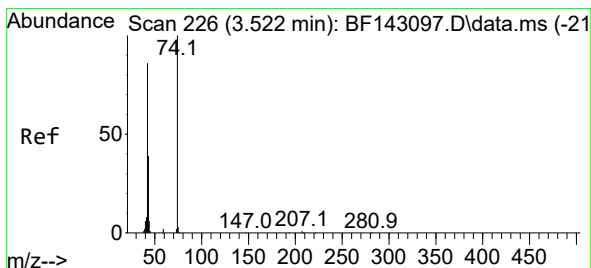
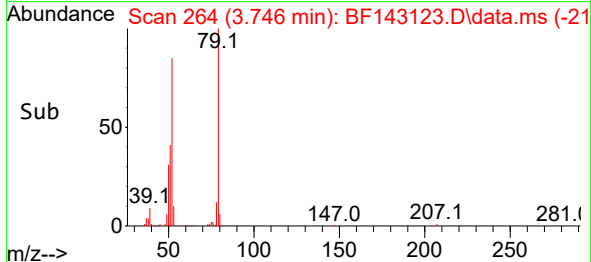
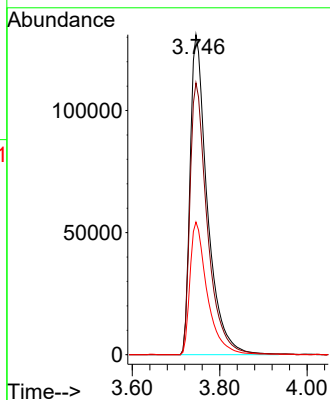
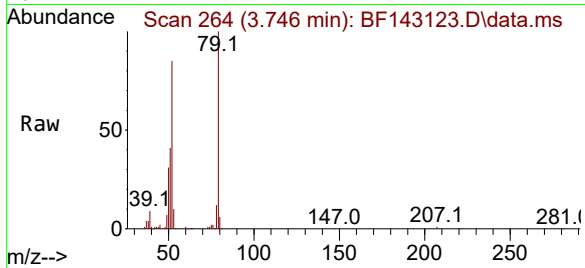




#3
 Pyridine
 Concen: 29.076 ng
 RT: 3.746 min Scan# 20
 Delta R.T. 0.165 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

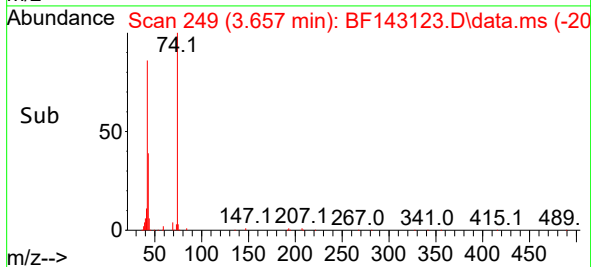
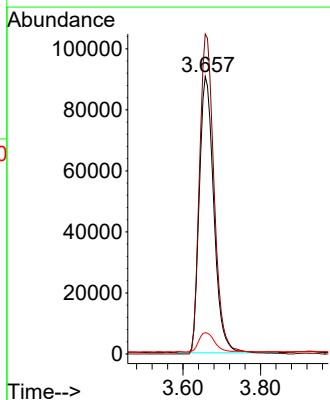
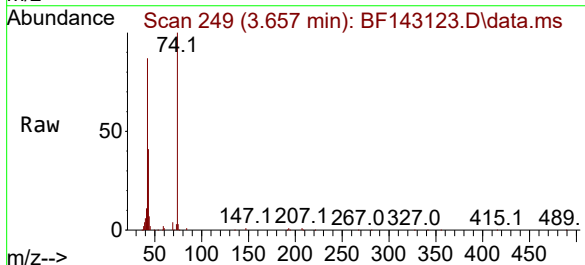
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MSD

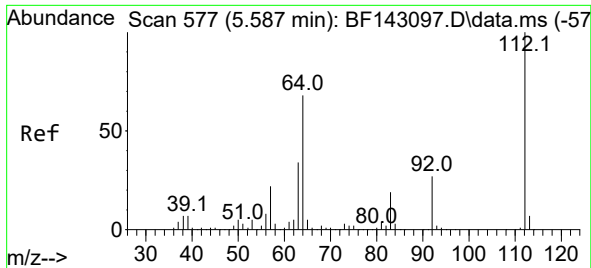
Tgt Ion: 79 Resp: 359677
 Ion Ratio Lower Upper
 79 100
 52 85.0 69.2 103.8
 51 41.4 33.3 49.9



#4
 n-Nitrosodimethylamine
 Concen: 36.690 ng
 RT: 3.657 min Scan# 249
 Delta R.T. 0.135 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

Tgt Ion: 42 Resp: 235146
 Ion Ratio Lower Upper
 42 100
 74 115.3 92.8 139.2
 44 7.7 5.8 8.6

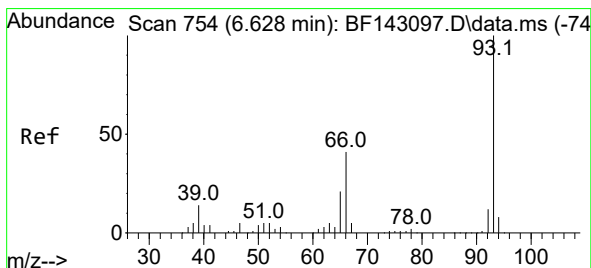
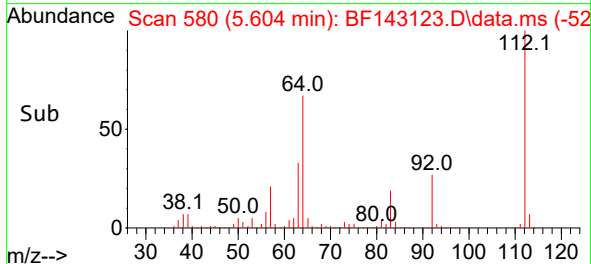
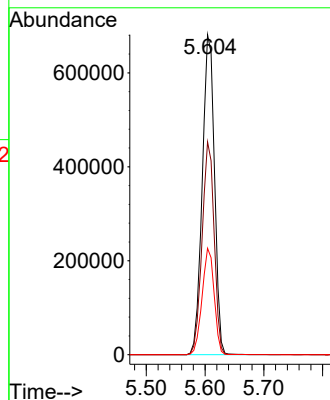
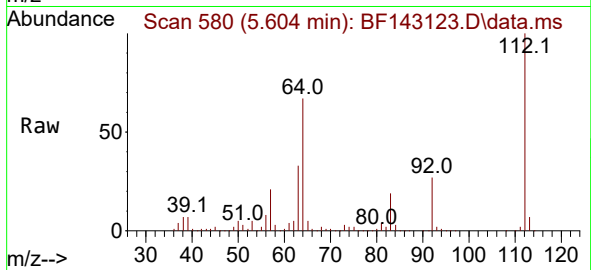




#5
2-Fluorophenol
Concen: 100.389 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

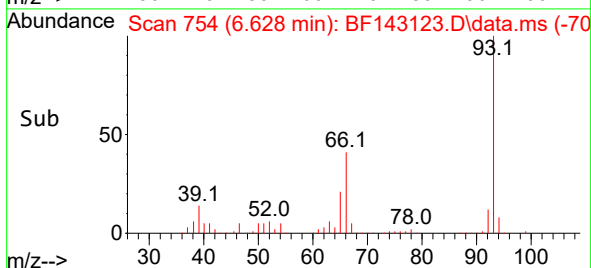
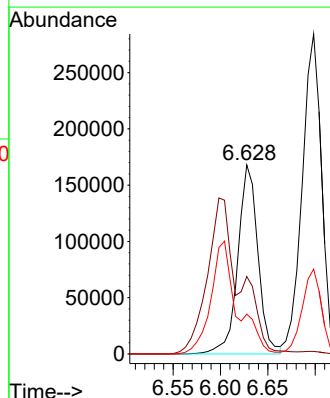
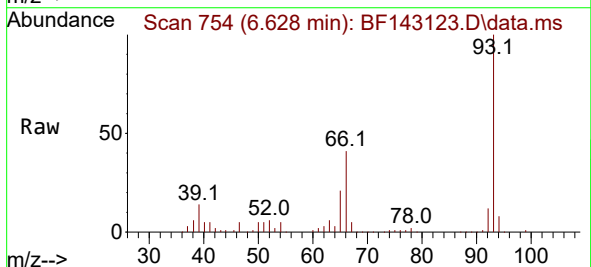
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

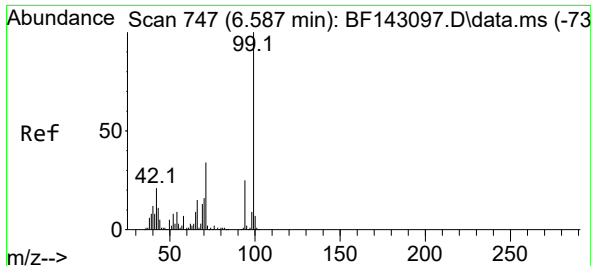
Tgt Ion:112 Resp: 985165
Ion Ratio Lower Upper
112 100
64 66.5 54.6 82.0
63 33.2 27.3 40.9



#6
Aniline
Concen: 14.295 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 93 Resp: 248322
Ion Ratio Lower Upper
93 100
66 40.9 33.1 49.7
65 21.1 16.9 25.3

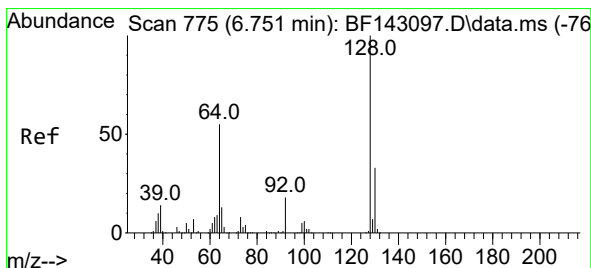
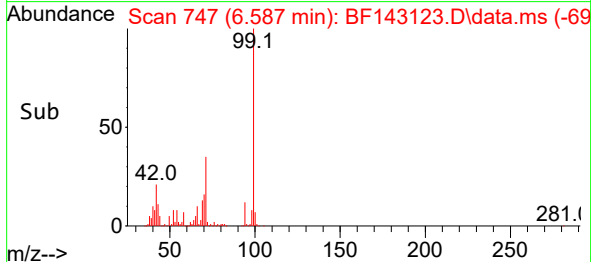
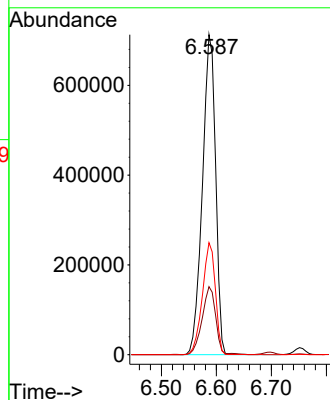
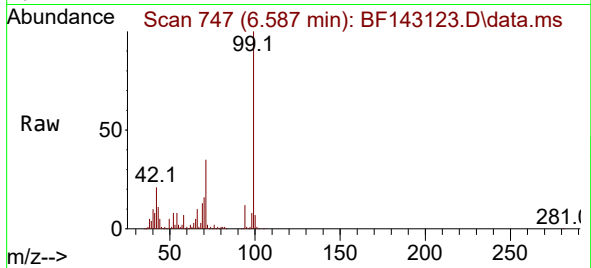




#7
Phenol-d6
Concen: 96.301 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

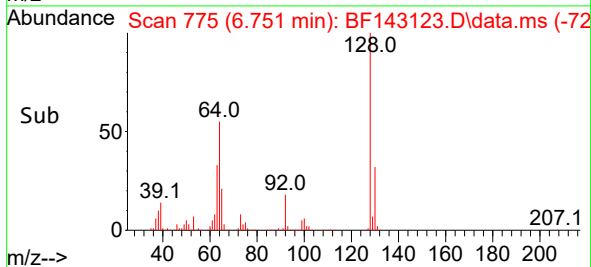
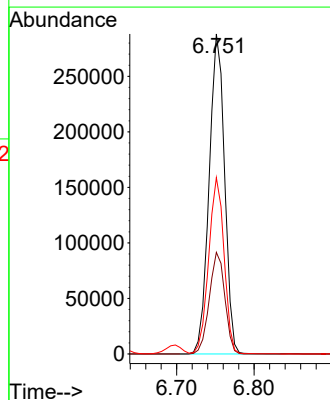
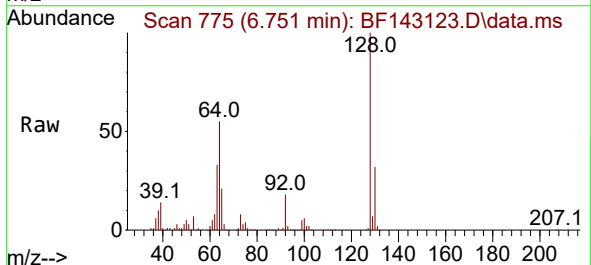
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

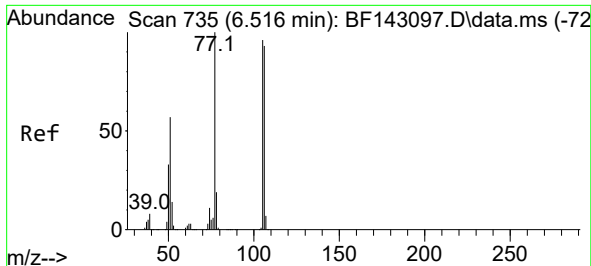
Tgt Ion: 99 Resp: 1187920
Ion Ratio Lower Upper
99 100
42 21.2 17.2 25.8
71 35.0 27.4 41.0



#8
2-Chlorophenol
Concen: 40.503 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:128 Resp: 399351
Ion Ratio Lower Upper
128 100
130 31.8 12.8 52.8
64 55.1 36.1 76.1





#9

Benzaldehyde

Concen: 22.136 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143123.D

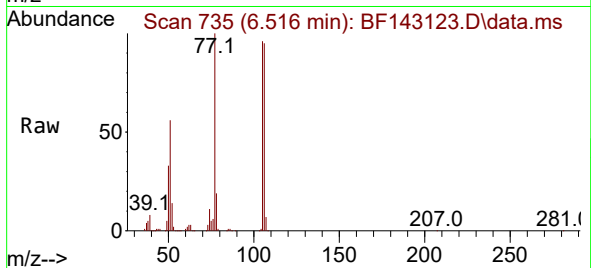
Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD



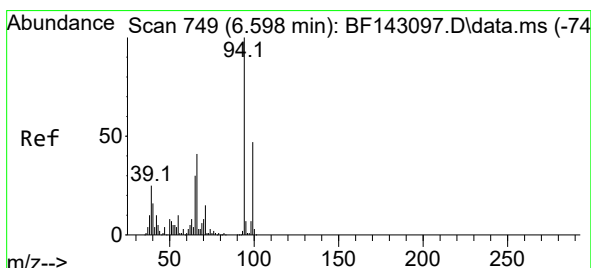
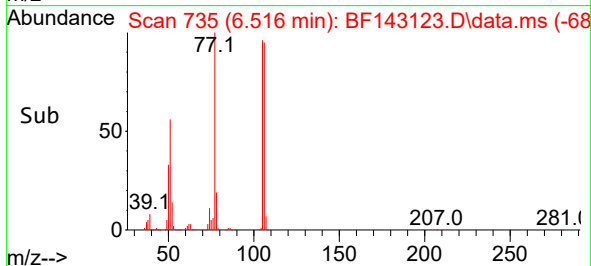
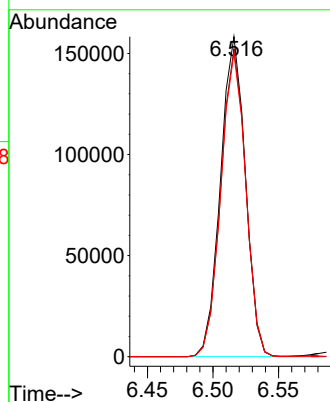
Tgt Ion: 77 Resp: 208065

Ion Ratio Lower Upper

77 100

105 96.2 76.3 116.3

106 94.7 72.8 112.8



#10

Phenol

Concen: 35.516 ng

RT: 6.604 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

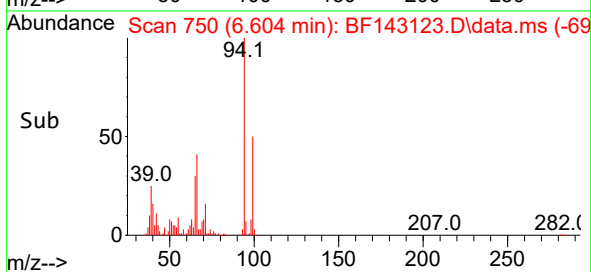
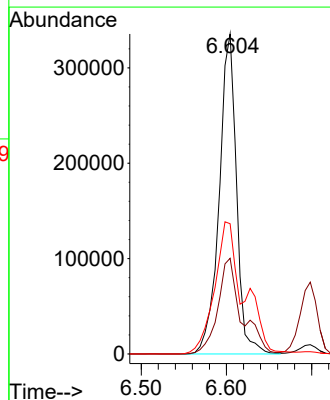
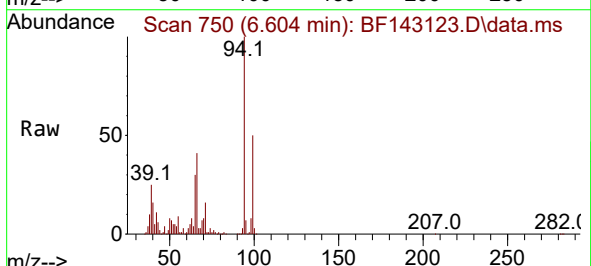
Tgt Ion: 94 Resp: 474280

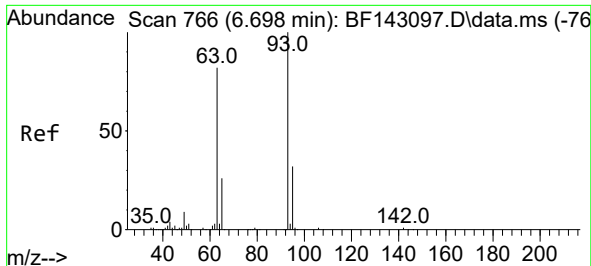
Ion Ratio Lower Upper

94 100

65 29.9 9.8 49.8

66 40.7 20.5 60.5





#11

bis(2-Chloroethyl)ether

Concen: 38.865 ng

RT: 6.698 min Scan# 766

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

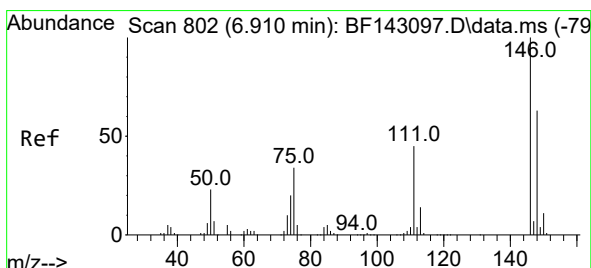
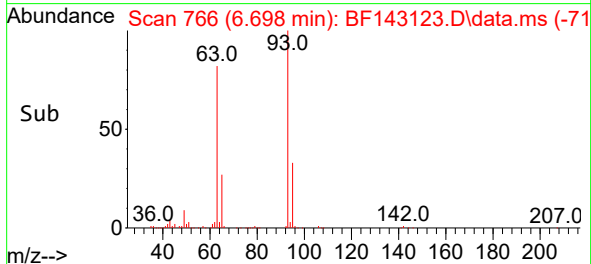
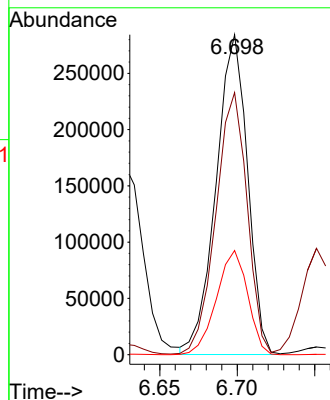
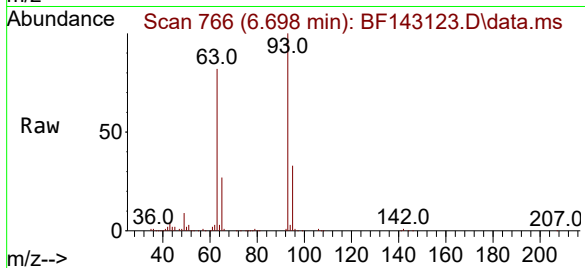
Tgt Ion: 93 Resp: 401788

Ion Ratio Lower Upper

93 100

63 81.9 61.9 101.9

95 32.6 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 36.039 ng

RT: 6.910 min Scan# 802

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

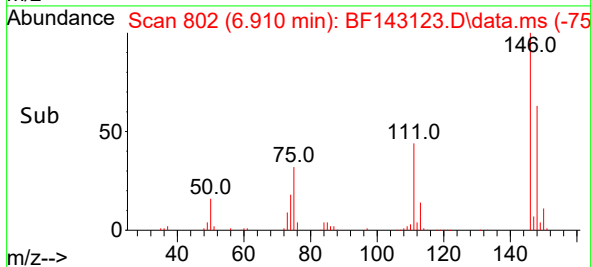
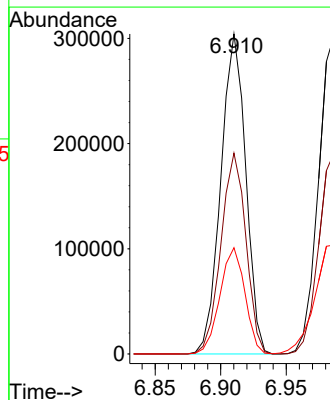
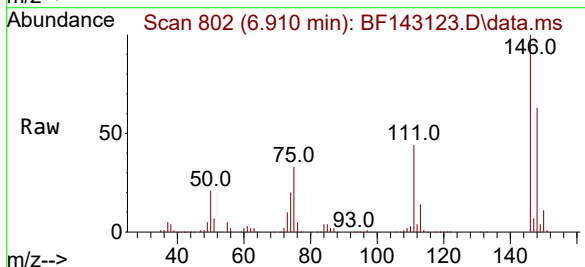
Tgt Ion: 146 Resp: 401439

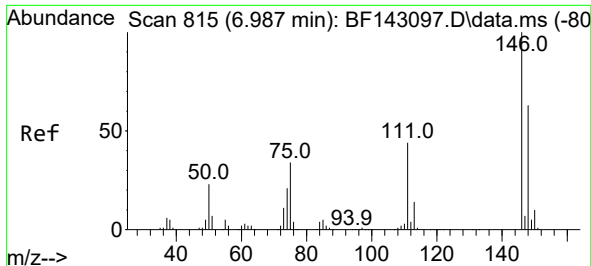
Ion Ratio Lower Upper

146 100

148 62.7 50.1 75.1

75 33.2 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 36.025 ng

RT: 6.986 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

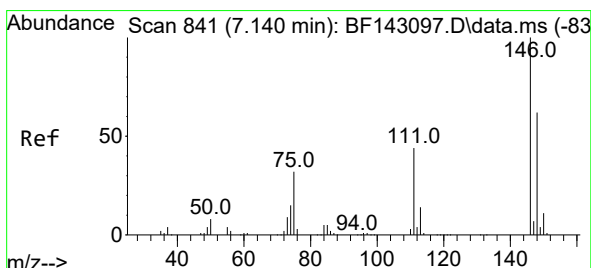
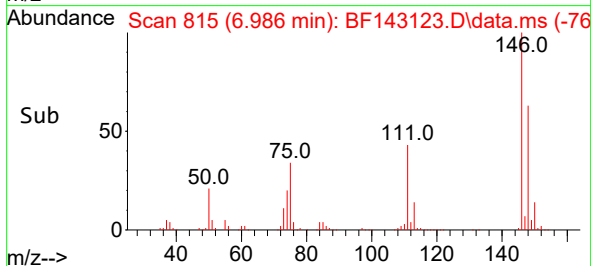
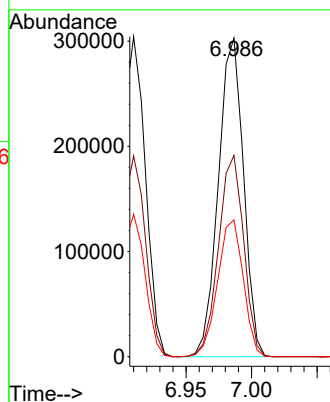
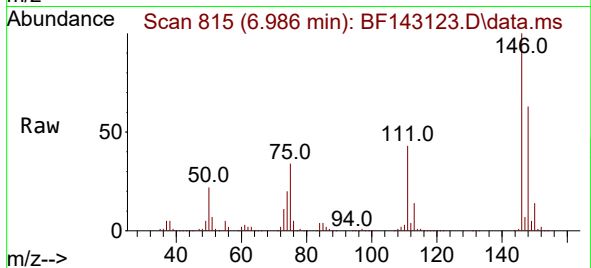
Tgt Ion:146 Resp: 403710

Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

111 43.0 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 36.527 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

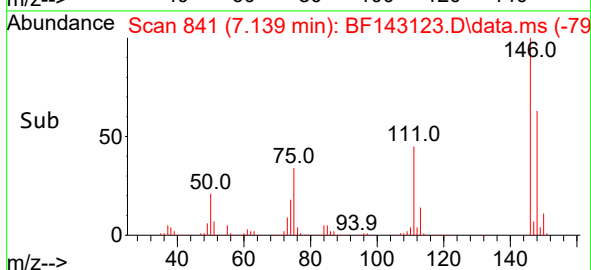
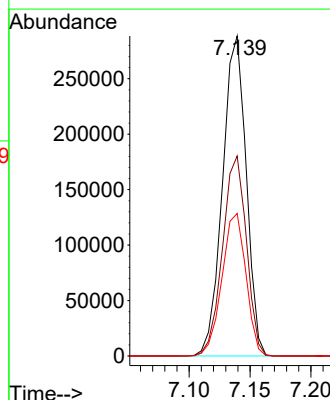
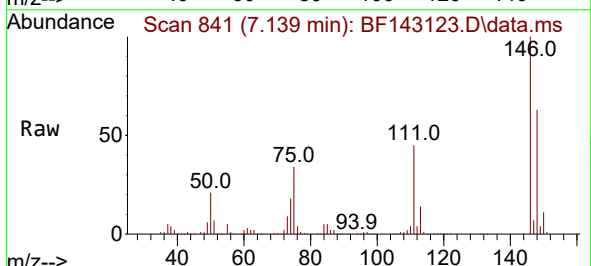
Tgt Ion:146 Resp: 390356

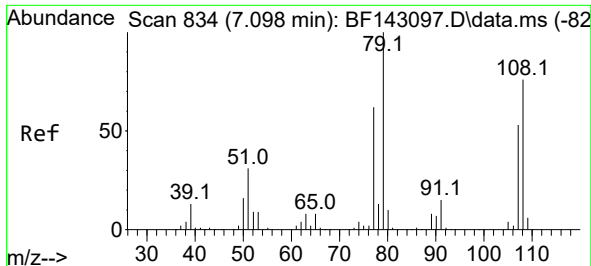
Ion Ratio Lower Upper

146 100

148 62.5 49.8 74.6

111 44.5 35.4 53.0

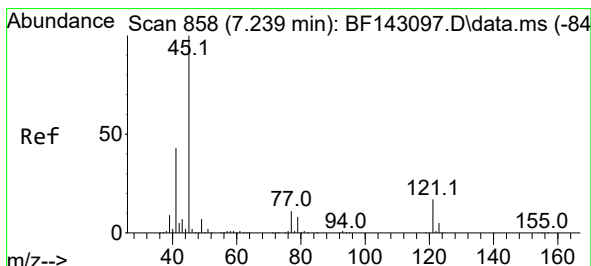
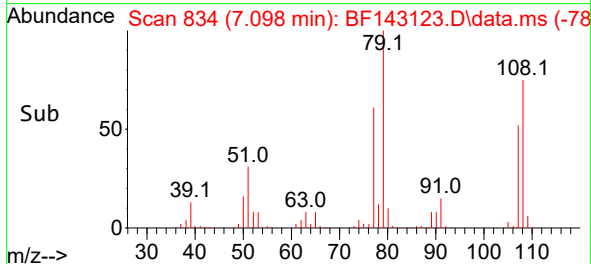
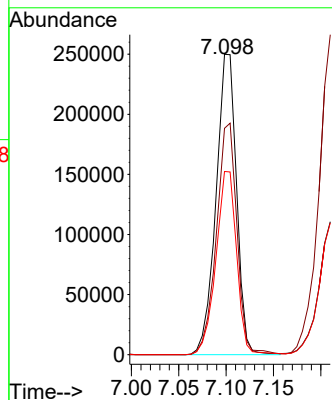
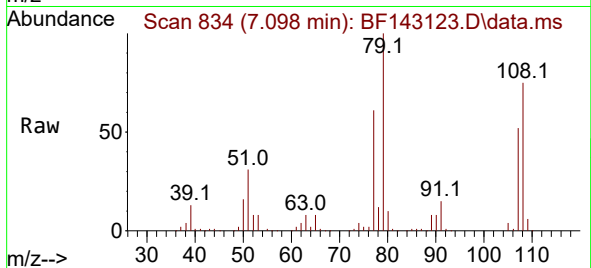




#15
Benzyl Alcohol
Concen: 41.339 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

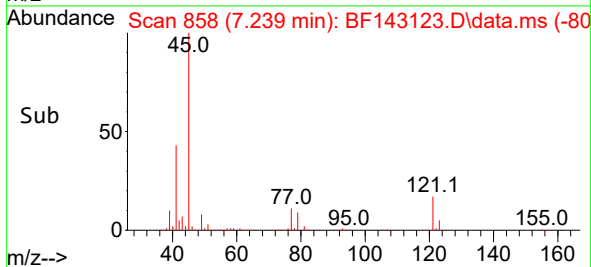
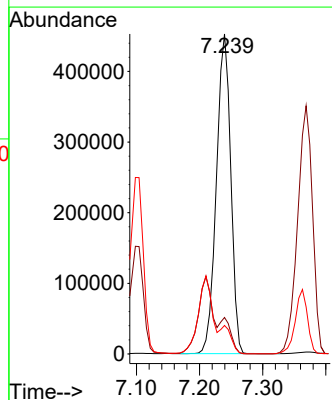
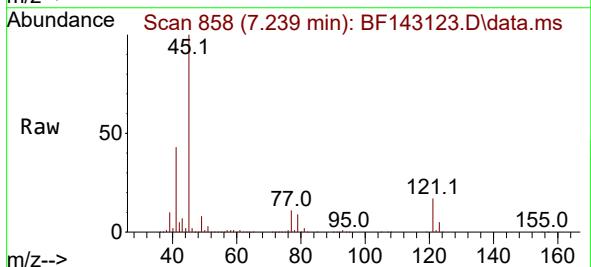
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

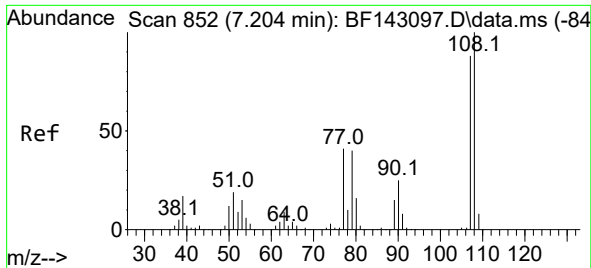
Tgt Ion: 79 Resp: 377846
Ion Ratio Lower Upper
79 100
108 75.4 61.1 91.7
77 61.0 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.375 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 45 Resp: 712236
Ion Ratio Lower Upper
45 100
77 11.4 0.0 31.1
79 8.9 0.0 28.4

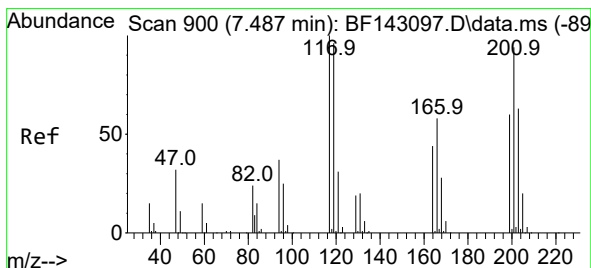
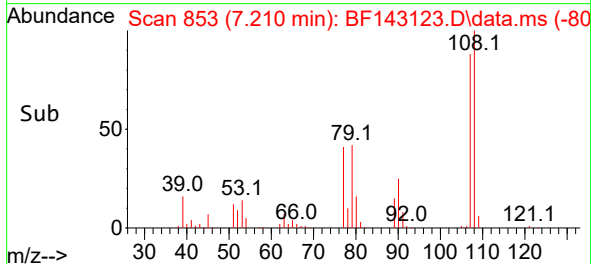
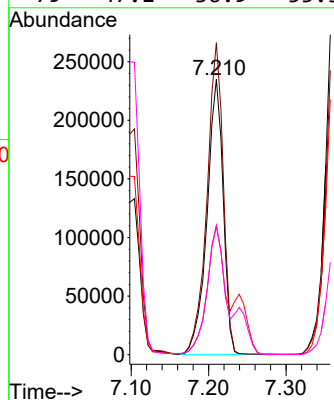
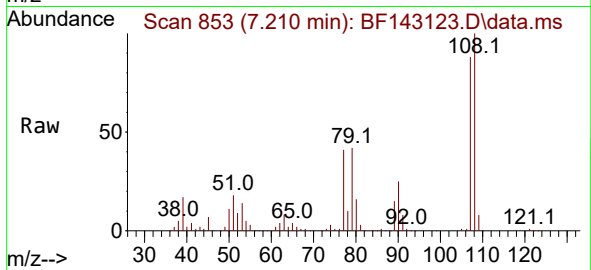




#17
2-Methylphenol
Concen: 40.174 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

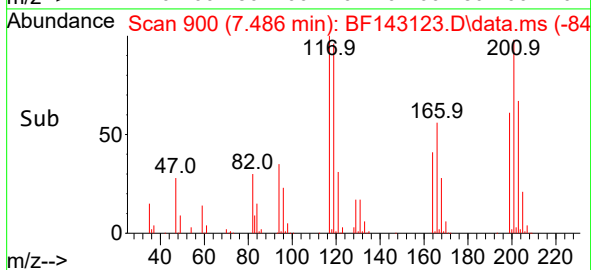
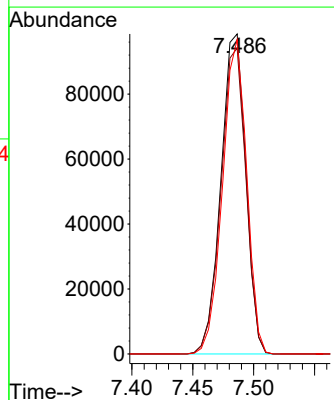
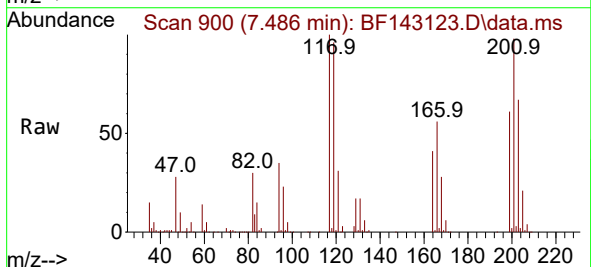
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

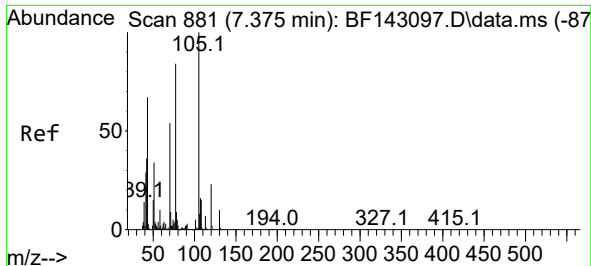
Tgt Ion:	107	Resp:	341828
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.9	136.3
77	46.7	37.5	56.3
79	47.1	36.9	55.3



#18
Hexachloroethane
Concen: 38.414 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:	117	Resp:	140139
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
201	98.3	75.0	112.4



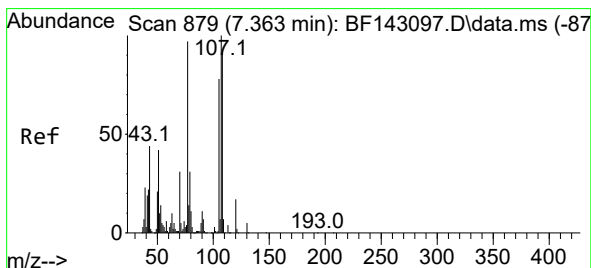
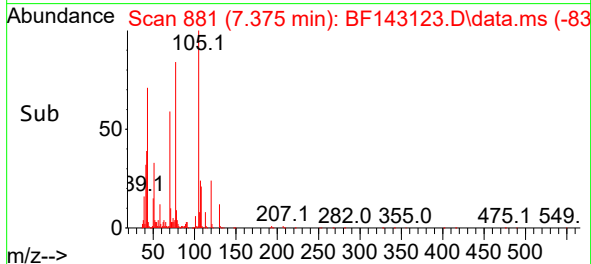
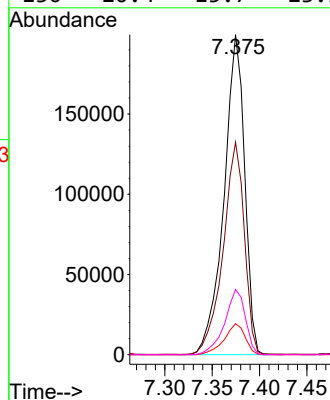
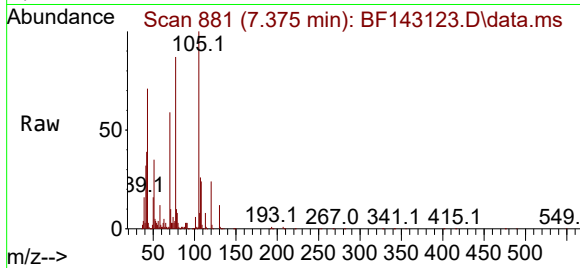


#19
n-Nitroso-di-n-propylamine
Concen: 40.159 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

Tgt Ion: 70 Resp: 303492

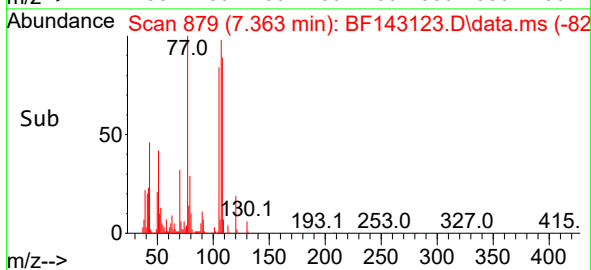
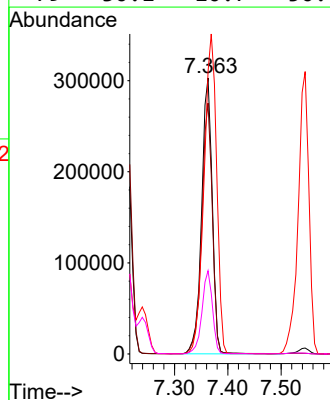
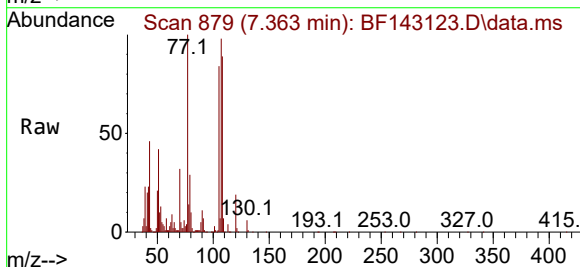
Ion	Ratio	Lower	Upper
70	100		
42	66.4	53.2	79.8
101	9.7	7.5	11.3
130	20.4	15.7	23.5

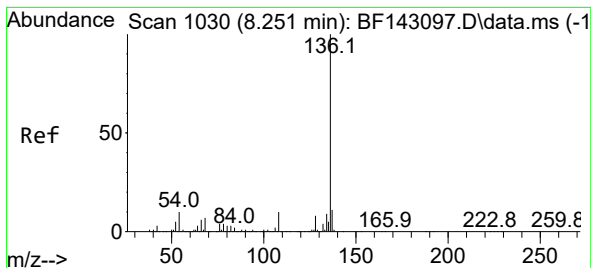


#20
3+4-Methylphenols
Concen: 40.262 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 107 Resp: 420120

Ion	Ratio	Lower	Upper
107	100		
108	90.9	71.3	111.3
77	102.2	77.2	117.2
79	30.1	10.7	50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143123.D

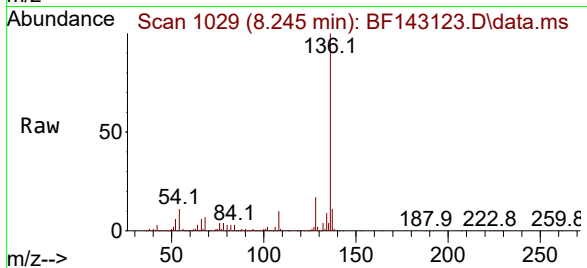
Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD



Tgt Ion:136 Resp: 589623

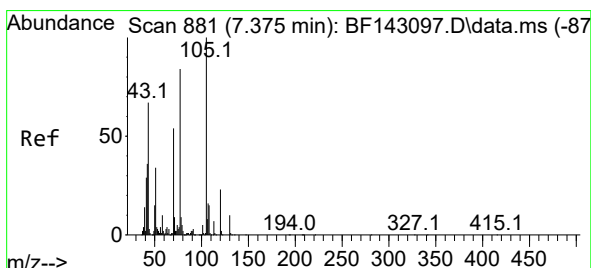
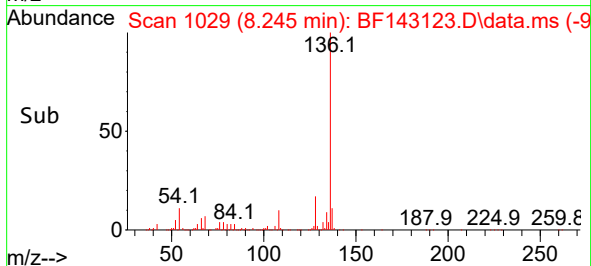
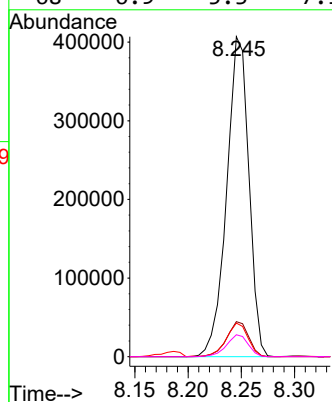
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.5 8.3 12.5

68 6.9 5.3 7.9



#22

Acetophenone

Concen: 39.074 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.006 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Tgt Ion:105 Resp: 555372

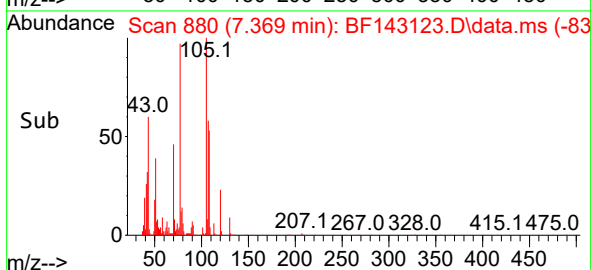
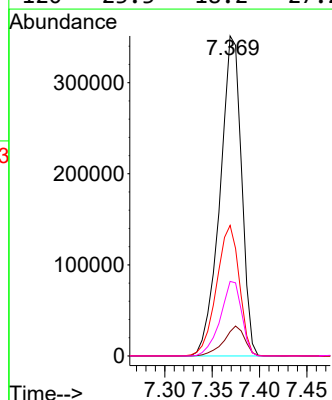
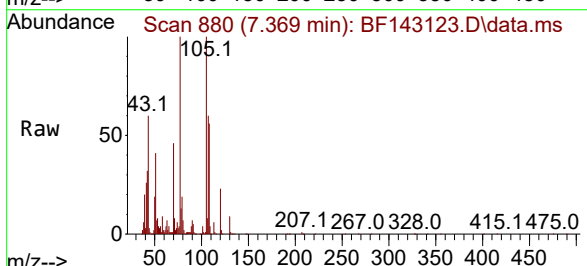
Ion Ratio Lower Upper

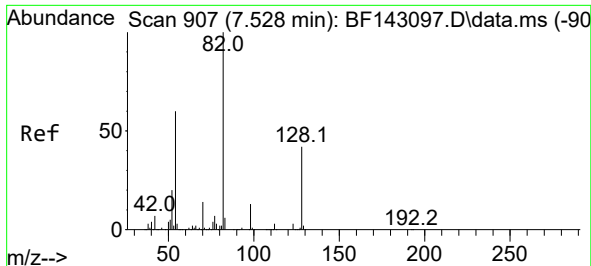
105 100

71 7.6 7.2 10.8

51 40.8 27.0 40.4#

120 23.3 18.2 27.2





#23

Nitrobenzene-d5

Concen: 82.622 ng

RT: 7.522 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

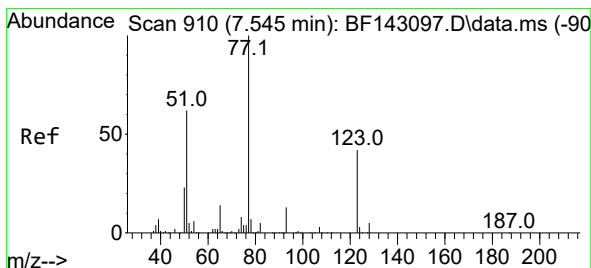
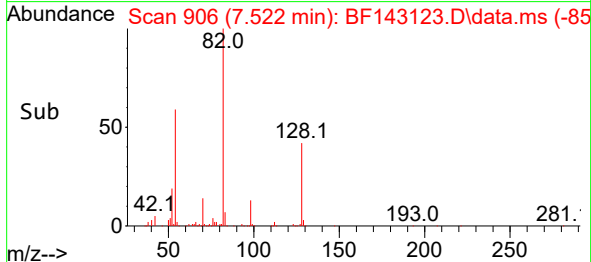
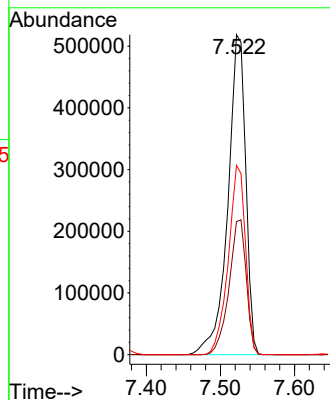
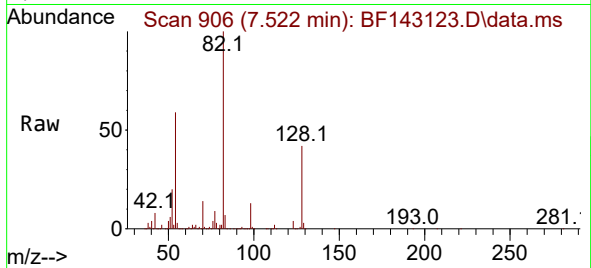
Tgt Ion: 82 Resp: 868402

Ion Ratio Lower Upper

82 100

128 41.6 33.3 49.9

54 59.1 47.4 71.2



#24

Nitrobenzene

Concen: 43.043 ng

RT: 7.545 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

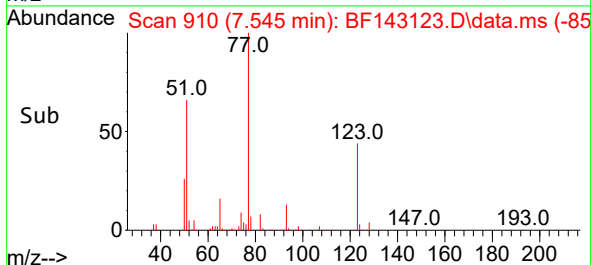
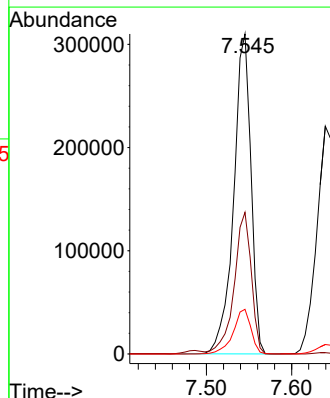
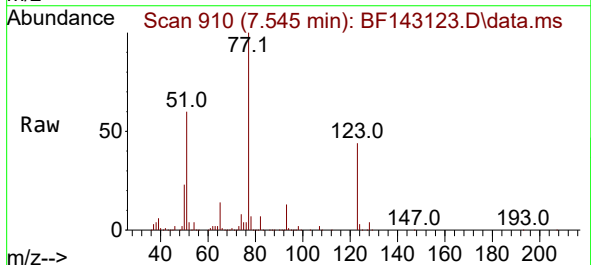
Tgt Ion: 77 Resp: 436738

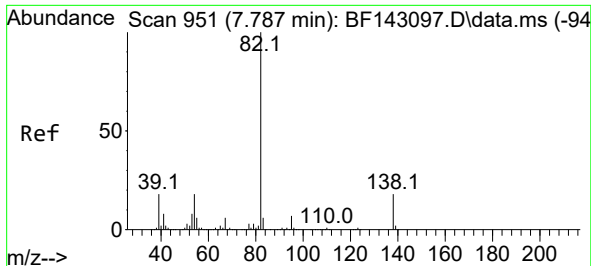
Ion Ratio Lower Upper

77 100

123 44.3 34.5 51.7

65 13.9 11.3 16.9

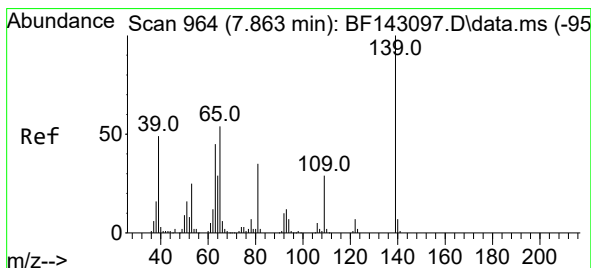
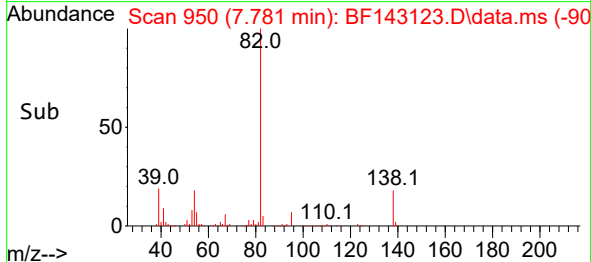
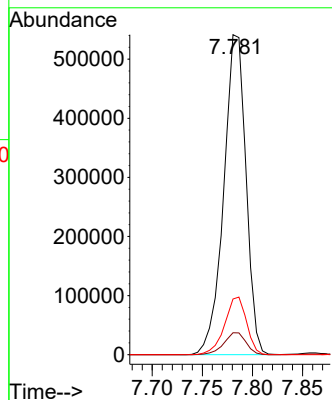
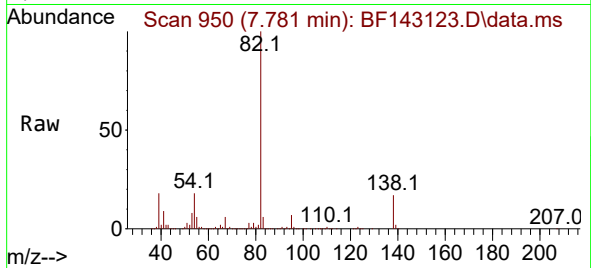




#25
Isophorone
Concen: 41.156 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

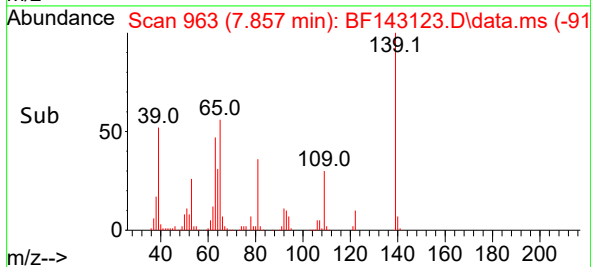
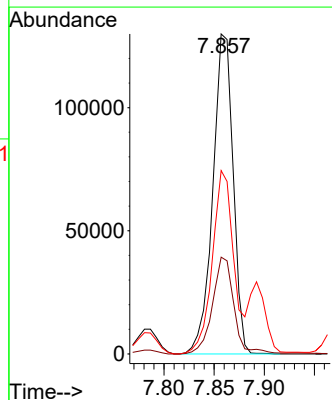
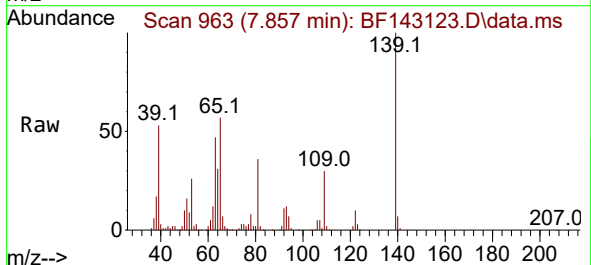
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

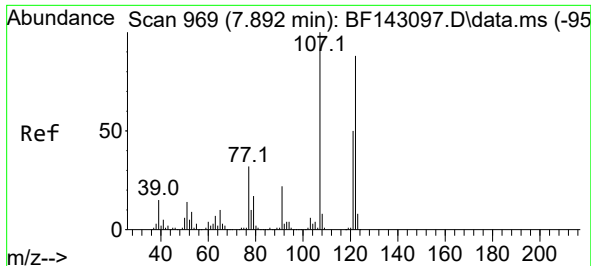
Tgt Ion: 82 Resp: 836111
Ion Ratio Lower Upper
82 100
95 6.8 5.6 8.4
138 17.4 14.3 21.5



#26
2-Nitrophenol
Concen: 45.388 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:139 Resp: 183091
Ion Ratio Lower Upper
139 100
109 30.2 23.4 35.0
65 57.3 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 41.746 ng

RT: 7.892 min Scan# 969

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

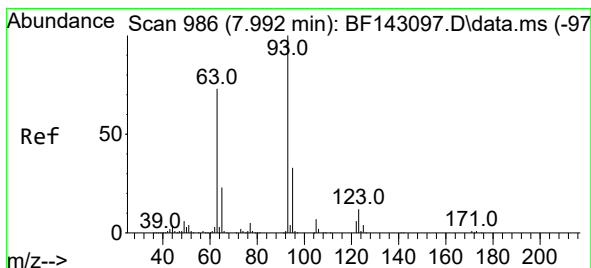
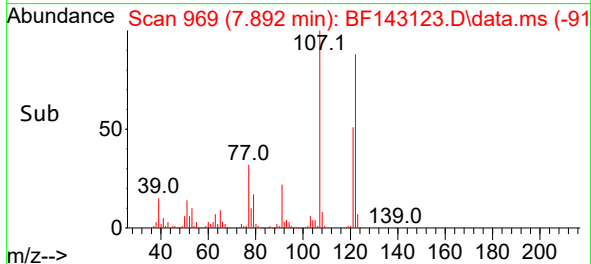
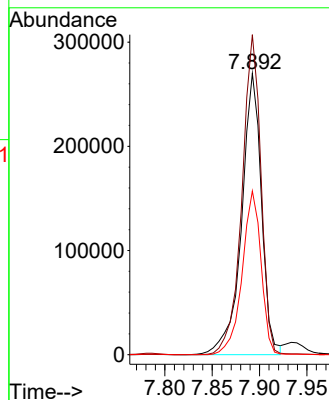
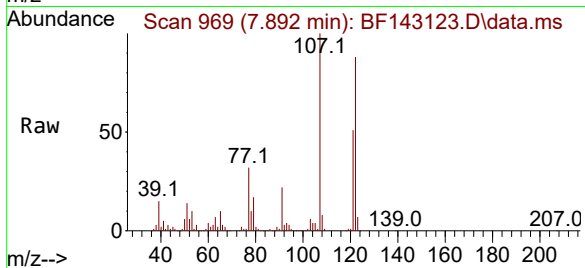
Tgt Ion:122 Resp: 393628

Ion Ratio Lower Upper

122 100

107 113.8 91.3 136.9

121 58.2 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 41.502 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

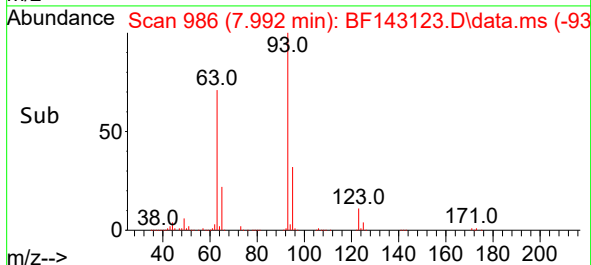
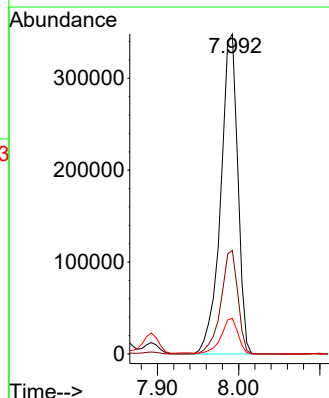
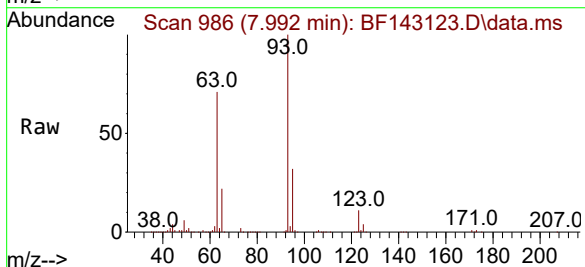
Tgt Ion: 93 Resp: 511274

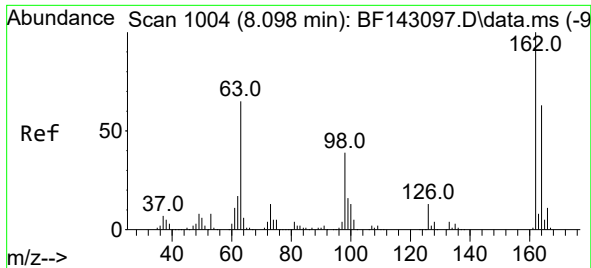
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.4

123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 42.946 ng

RT: 8.098 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

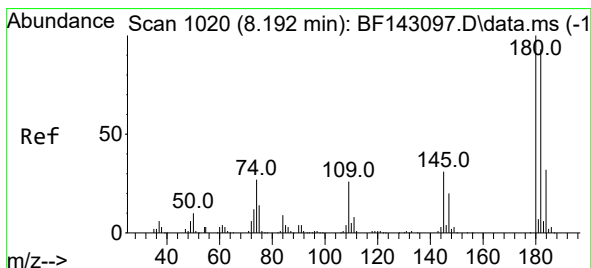
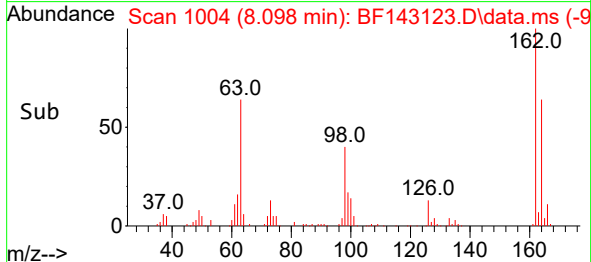
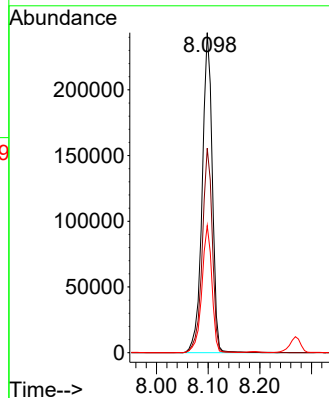
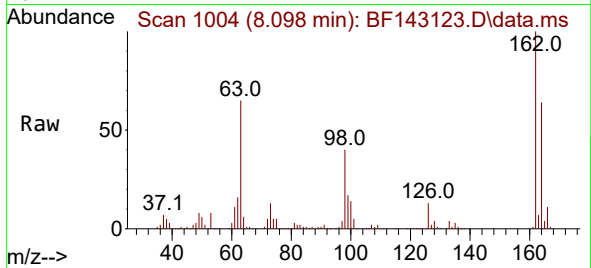
Tgt Ion:162 Resp: 331282

Ion Ratio Lower Upper

162 100

164 63.9 43.1 83.1

98 39.7 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 39.150 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

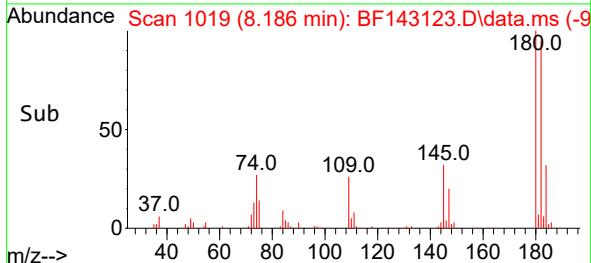
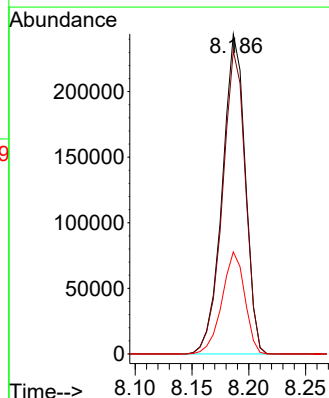
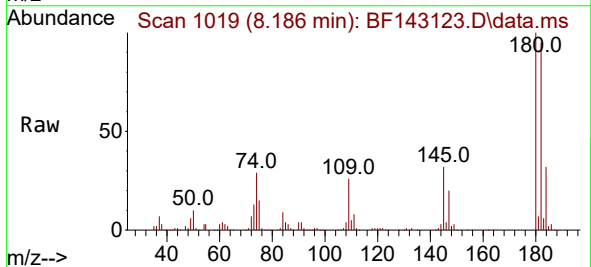
Tgt Ion:180 Resp: 342733

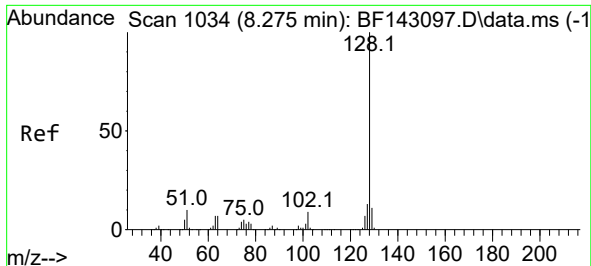
Ion Ratio Lower Upper

180 100

182 94.7 74.7 112.1

145 31.9 24.5 36.7

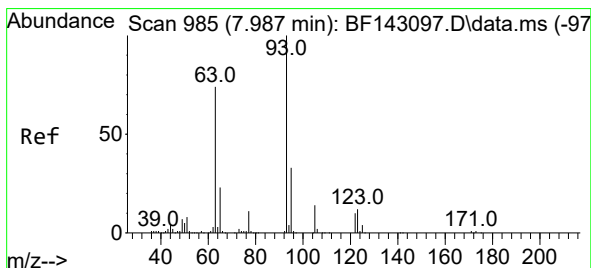
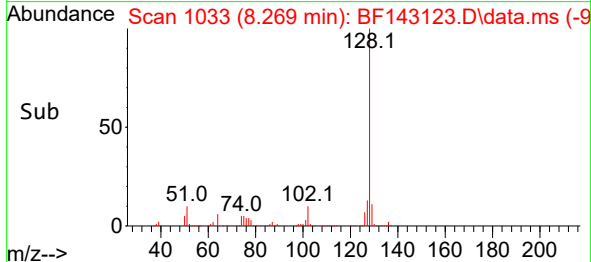
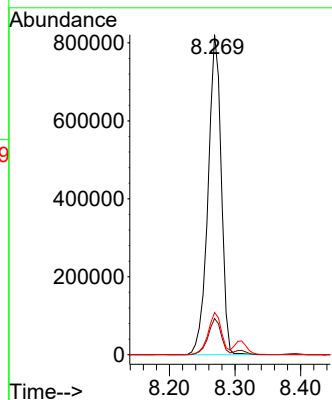
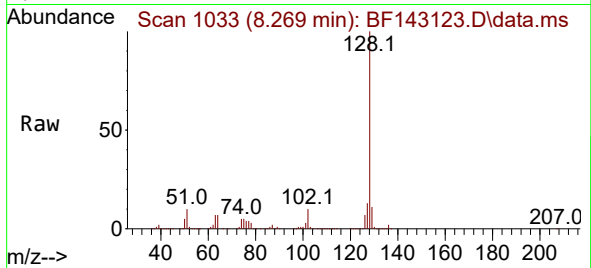




#31
Naphthalene
Concen: 39.217 ng
RT: 8.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

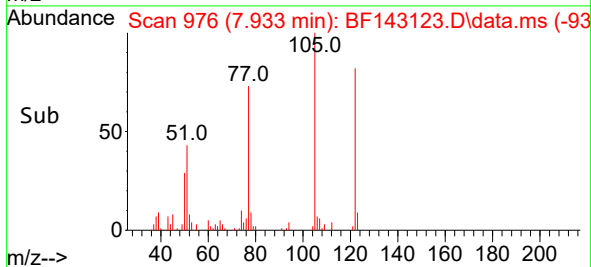
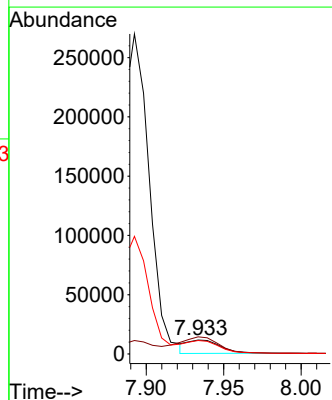
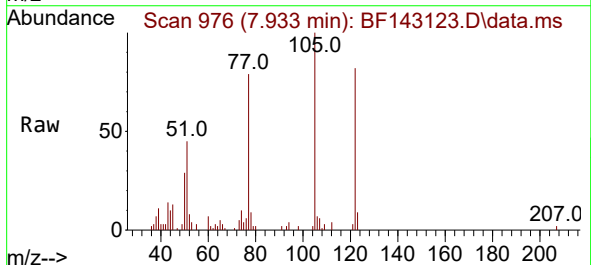
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

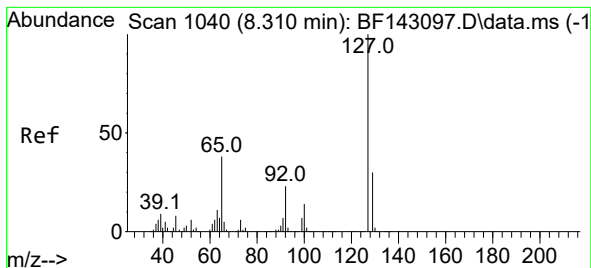
Tgt Ion:128 Resp: 1148259
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.2 10.5 15.7



#32
Benzoic acid
Concen: 9.587 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.054 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:122 Resp: 16668
Ion Ratio Lower Upper
122 100
105 122.2 105.4 145.4
77 96.0 78.6 118.6





#33

4-Chloroaniline

Concen: 3.904 ng

RT: 8.310 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

Tgt Ion:127 Resp: 45970

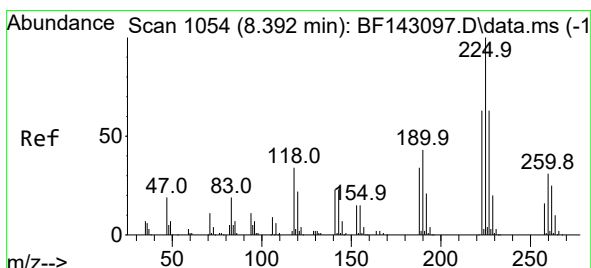
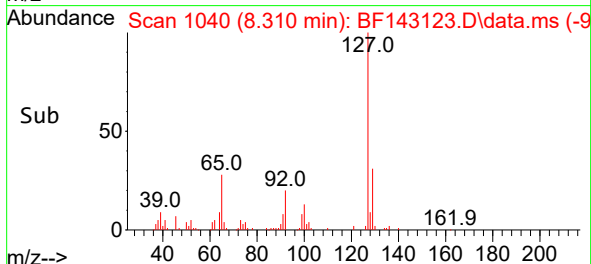
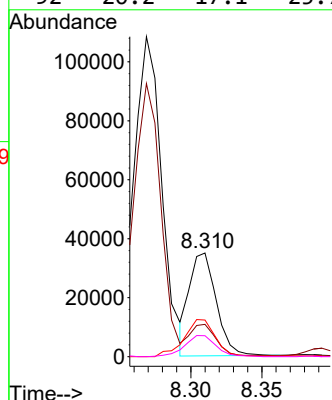
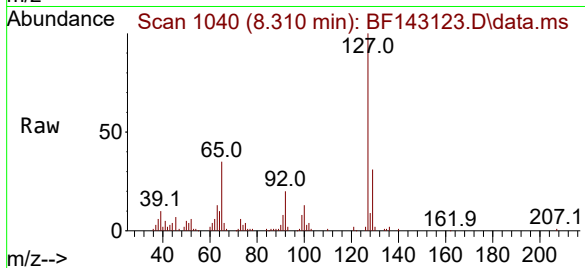
Ion Ratio Lower Upper

127 100

129 31.2 26.2 39.4

65 35.4 28.6 42.8

92 20.2 17.1 25.7



#34

Hexachlorobutadiene

Concen: 39.259 ng

RT: 8.392 min Scan# 1054

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

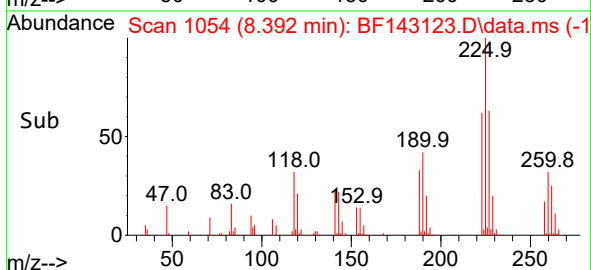
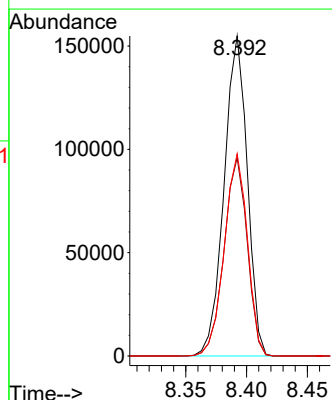
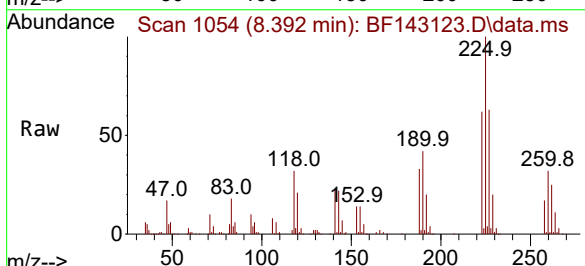
Tgt Ion:225 Resp: 205545

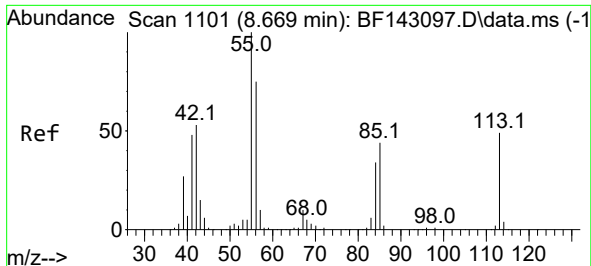
Ion Ratio Lower Upper

225 100

223 61.9 50.3 75.5

227 63.2 50.1 75.1

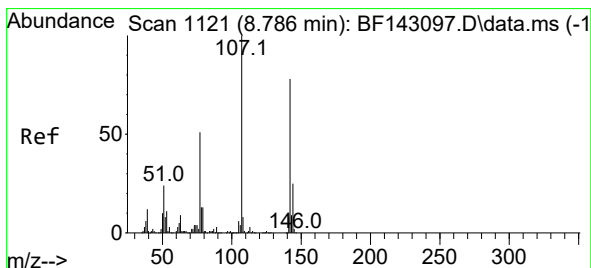
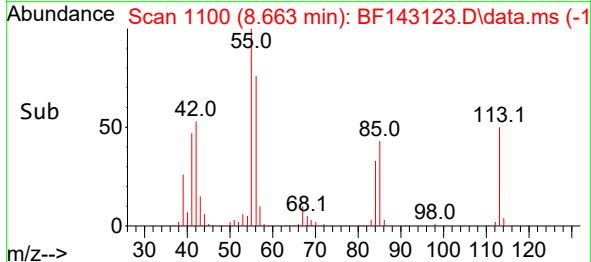
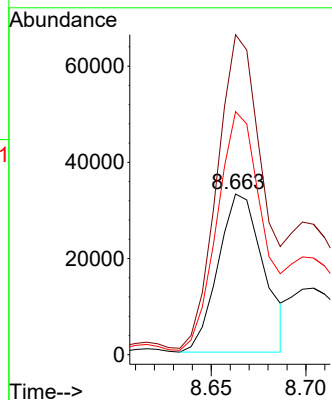
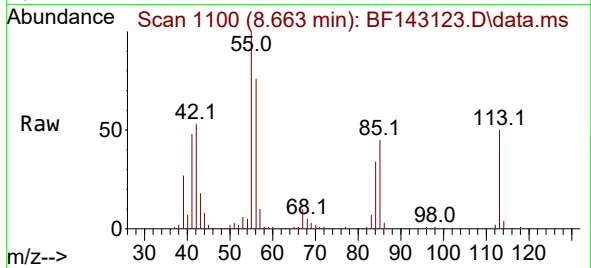




#35
 Caprolactam
 Concen: 22.759 ng
 RT: 8.663 min Scan# 1100
 Delta R.T. -0.006 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

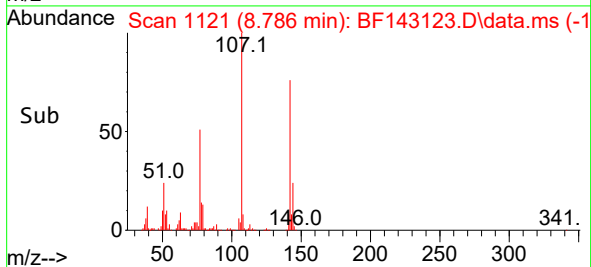
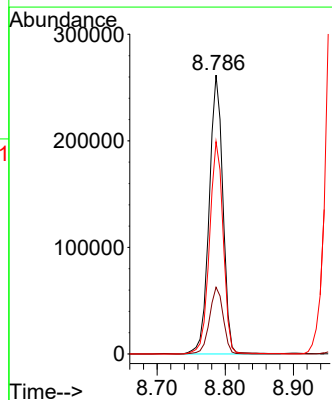
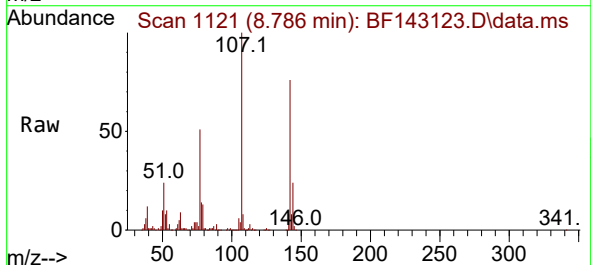
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MSD

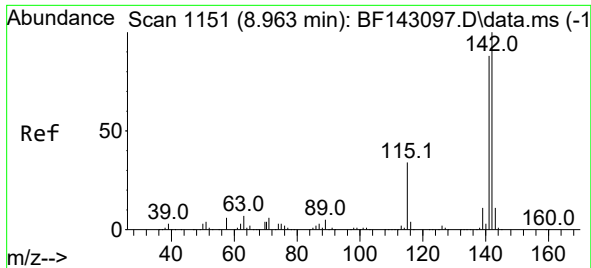
Tgt Ion:113 Resp: 54822
 Ion Ratio Lower Upper
 113 100
 55 199.1 186.2 226.2
 56 151.3 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 42.700 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. -0.000 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

Tgt Ion:107 Resp: 366909
 Ion Ratio Lower Upper
 107 100
 144 23.9 20.2 30.2
 142 76.2 62.4 93.6

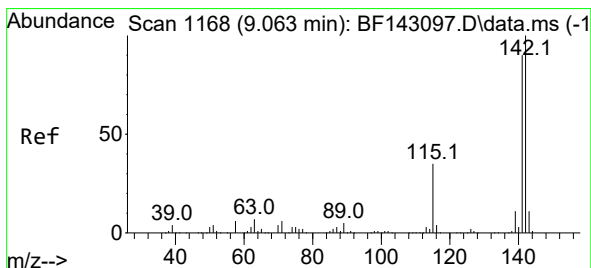
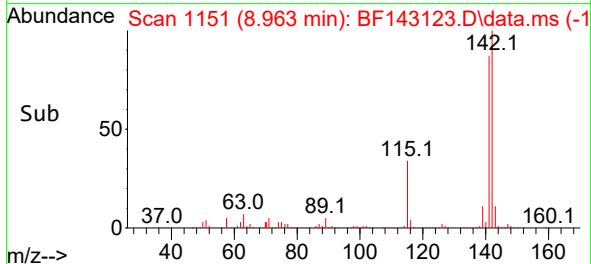
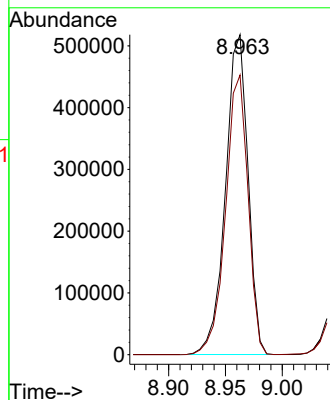
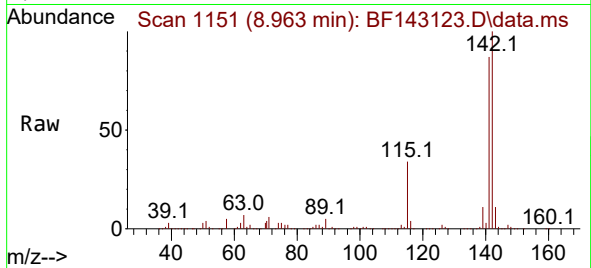




#37
2-Methylnaphthalene
Concen: 40.837 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

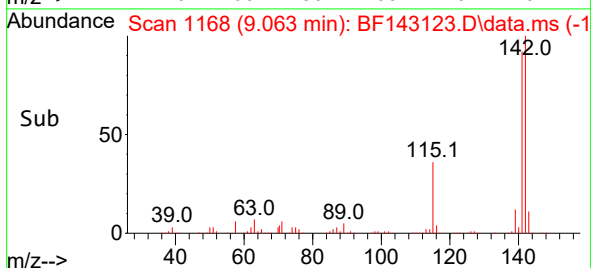
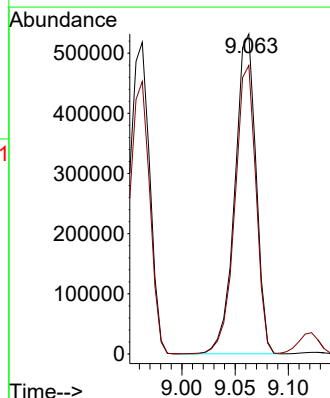
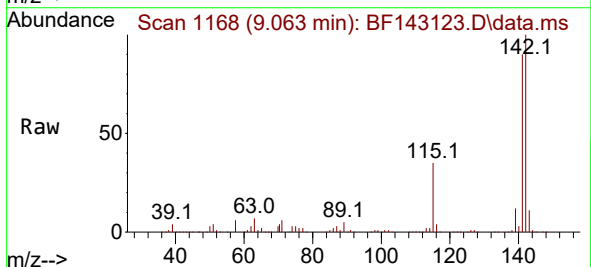
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

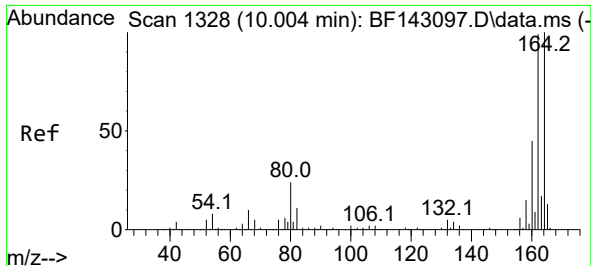
Tgt Ion:142 Resp: 713317
Ion Ratio Lower Upper
142 100
141 87.4 70.2 105.2



#38
1-Methylnaphthalene
Concen: 40.624 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:142 Resp: 735969
Ion Ratio Lower Upper
142 100
141 90.2 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

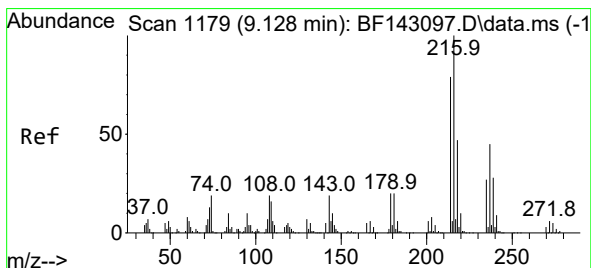
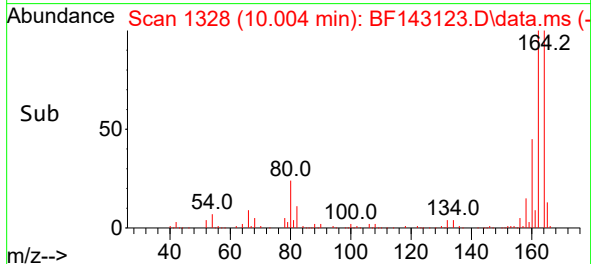
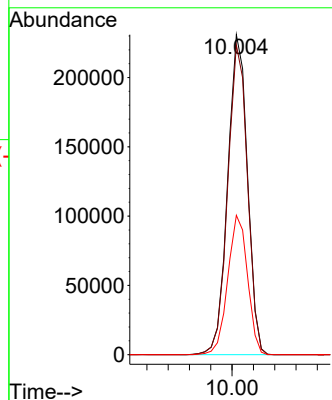
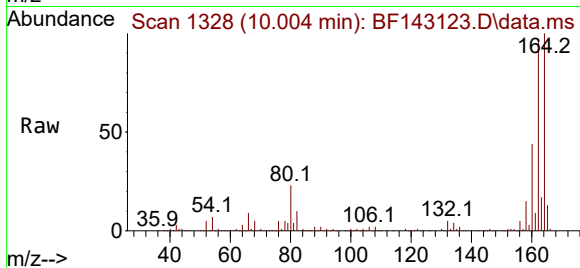
Tgt Ion:164 Resp: 296871

Ion Ratio Lower Upper

164 100

162 96.8 79.0 118.6

160 43.5 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.964 ng

RT: 9.128 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Tgt Ion:216 Resp: 345751

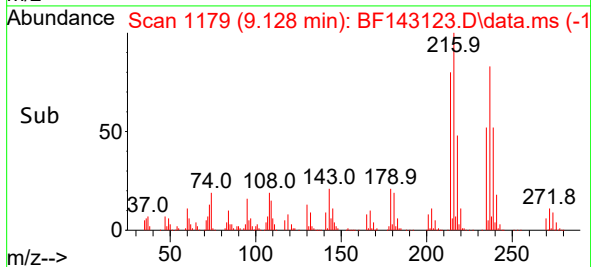
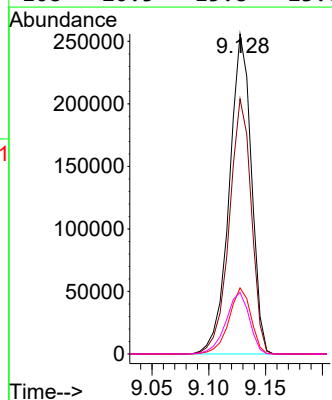
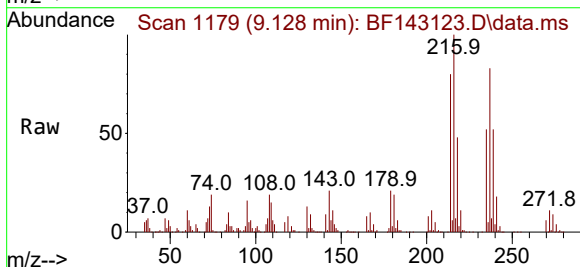
Ion Ratio Lower Upper

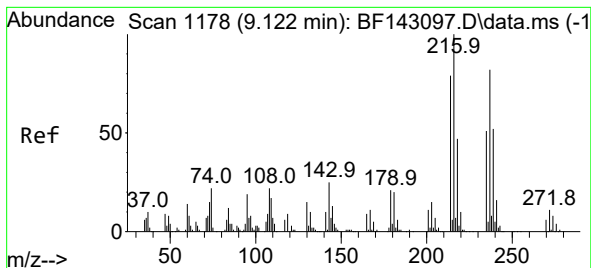
216 100

214 79.3 62.6 94.0

179 20.5 16.2 24.2

108 20.5 15.8 23.6





#41

Hexachlorocyclopentadiene

Concen: 79.887 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

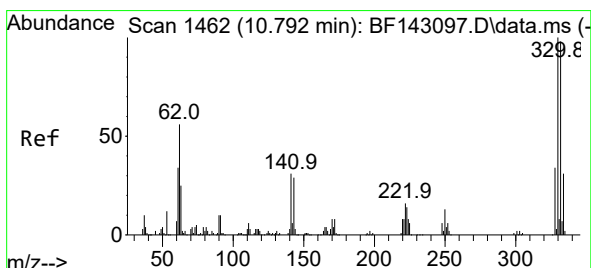
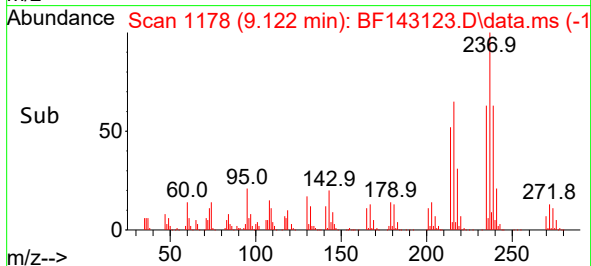
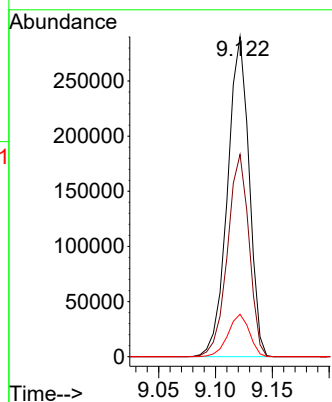
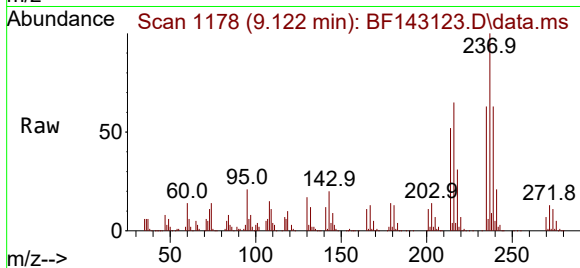
Tgt Ion:237 Resp: 383185

Ion Ratio Lower Upper

237 100

235 63.2 41.6 81.6

272 13.3 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 126.918 ng

RT: 10.792 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

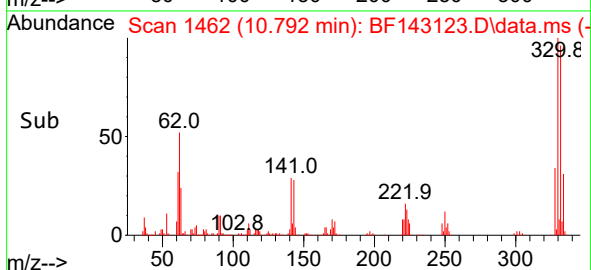
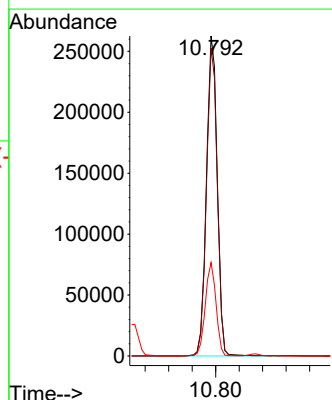
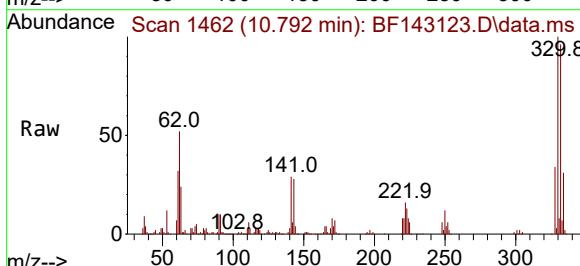
Tgt Ion:330 Resp: 335959

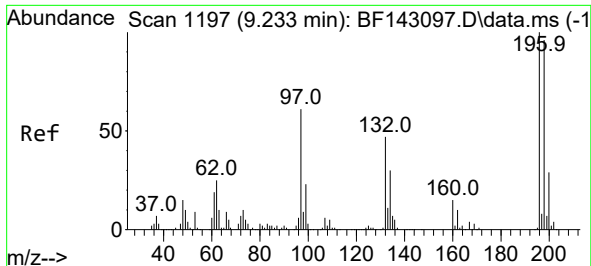
Ion Ratio Lower Upper

330 100

332 96.3 77.9 116.9

141 29.0 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 44.192 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

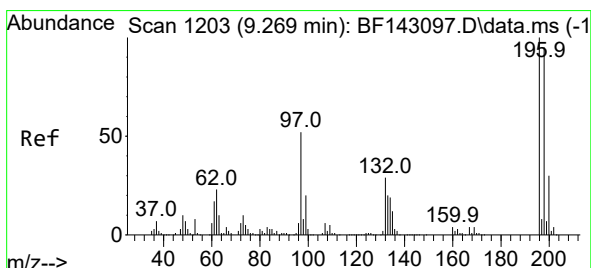
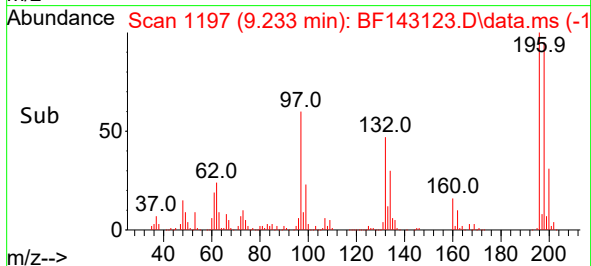
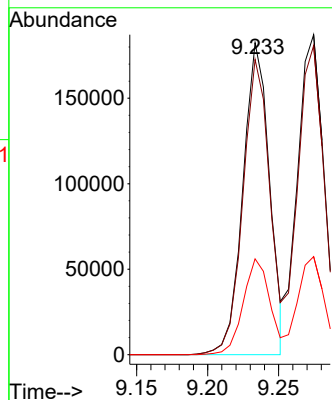
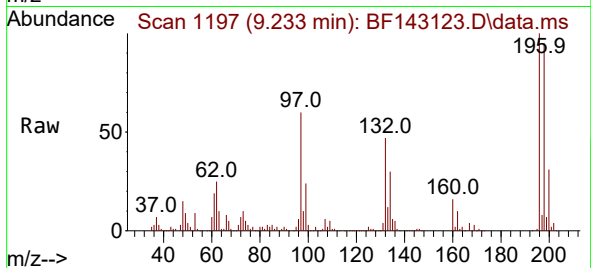
Tgt Ion:196 Resp: 237559

Ion Ratio Lower Upper

196 100

198 94.6 76.9 115.3

200 30.7 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 43.128 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Tgt Ion:196 Resp: 243096

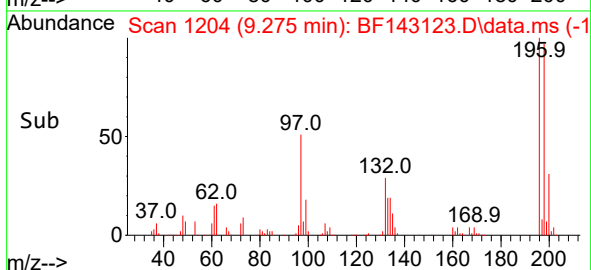
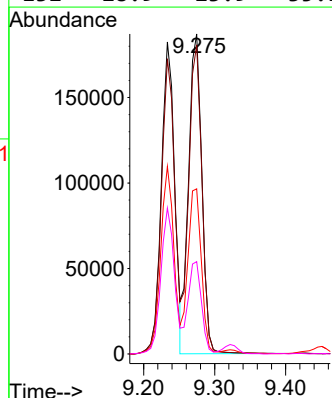
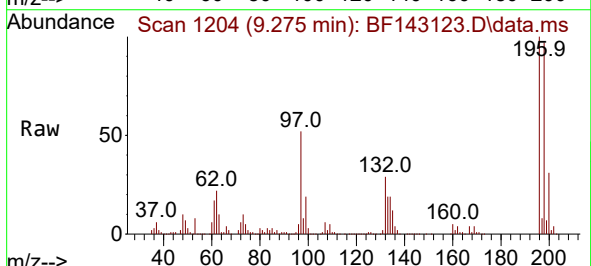
Ion Ratio Lower Upper

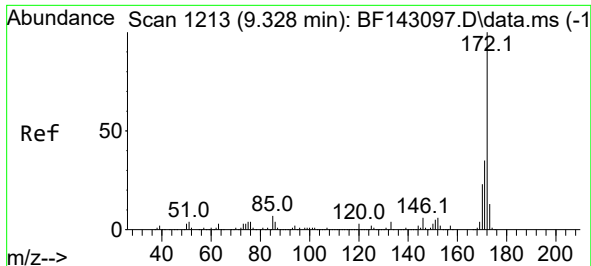
196 100

198 96.6 76.4 114.6

97 51.6 42.4 63.6

132 28.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 68.578 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

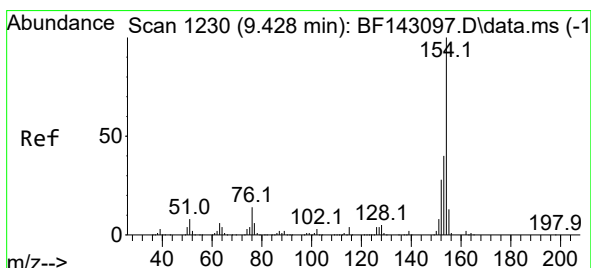
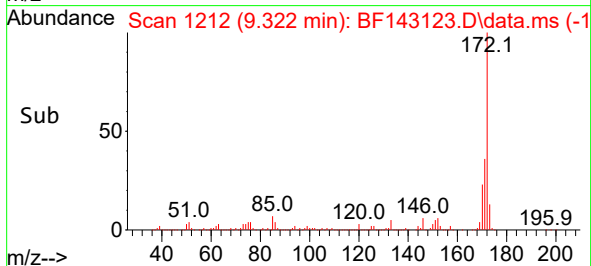
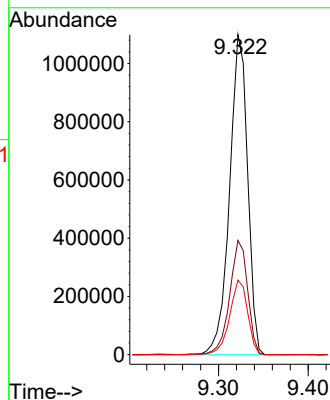
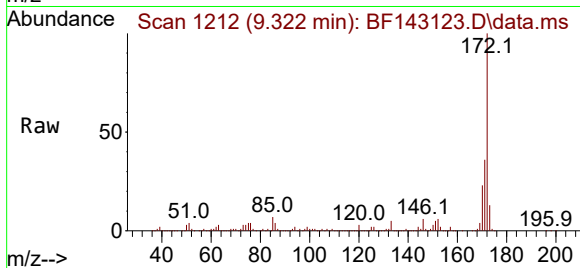
Tgt Ion:172 Resp: 1531577

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 40.430 ng

RT: 9.428 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

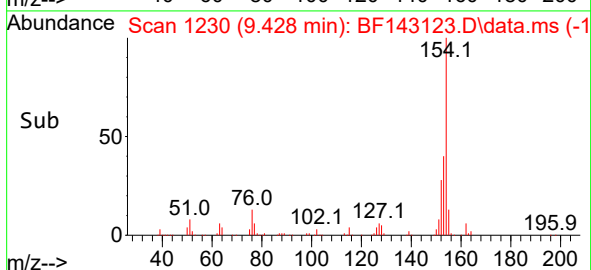
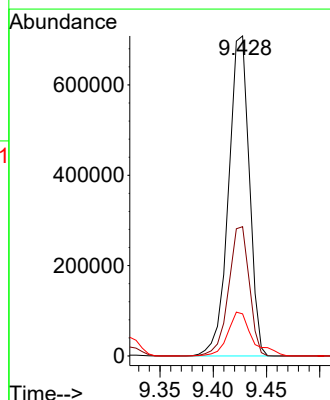
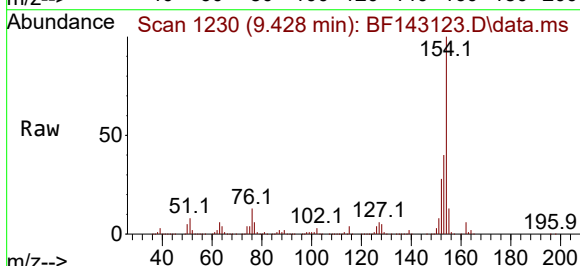
Tgt Ion:154 Resp: 957169

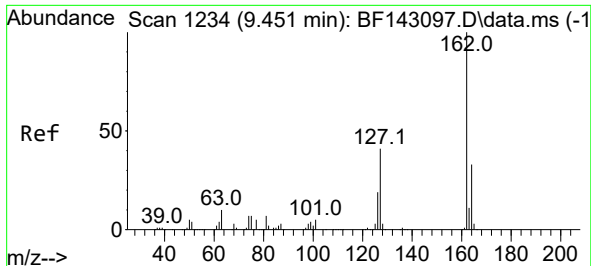
Ion Ratio Lower Upper

154 100

153 40.4 20.1 60.1

76 13.1 0.0 33.7

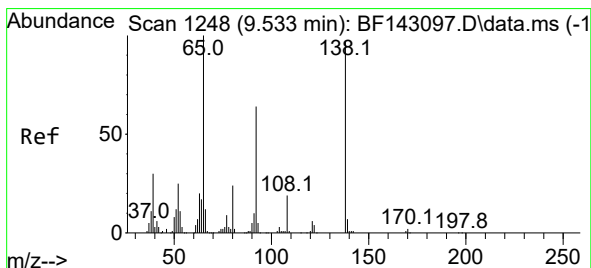
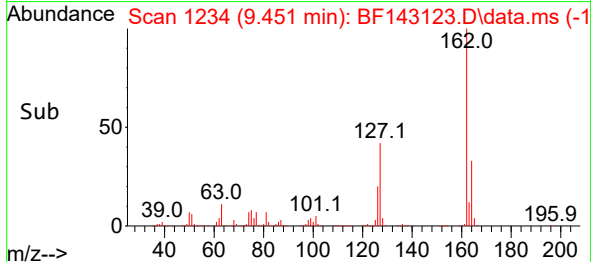
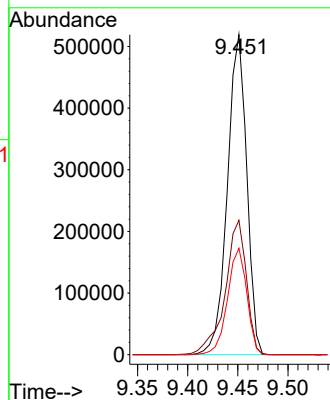
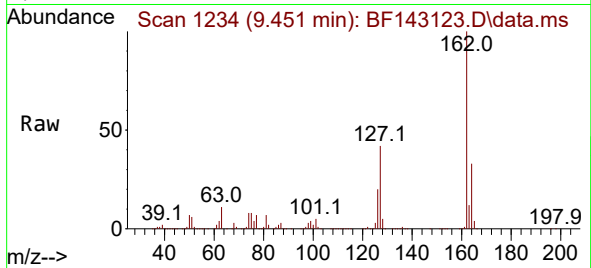




#47
2-Chloronaphthalene
Concen: 39.937 ng
RT: 9.451 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

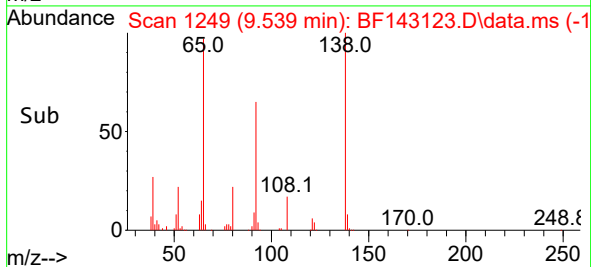
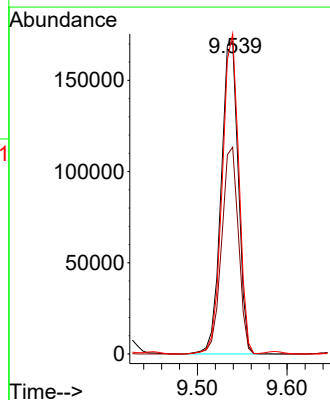
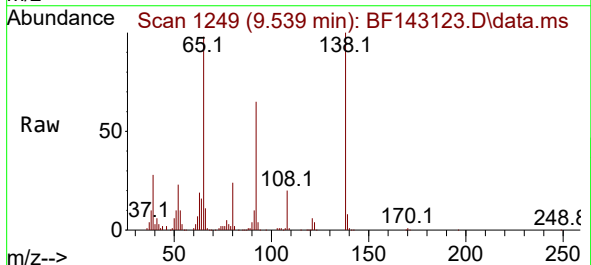
Instrument : BNA_F
ClientSampleId : WC-SOIL-20250711MSD

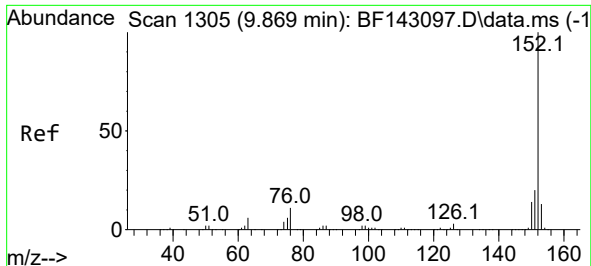
Tgt Ion:162 Resp: 694587
Ion Ratio Lower Upper
162 100
127 42.0 33.0 49.6
164 33.3 26.1 39.1



#48
2-Nitroaniline
Concen: 44.159 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 65 Resp: 227895
Ion Ratio Lower Upper
65 100
92 66.1 51.3 76.9
138 102.3 77.8 116.6

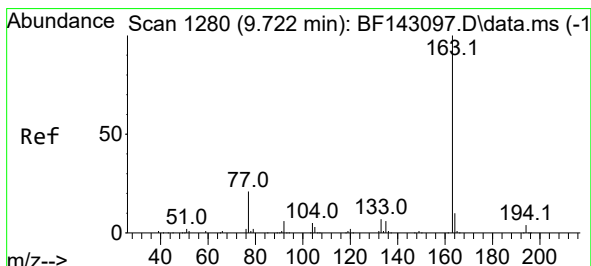
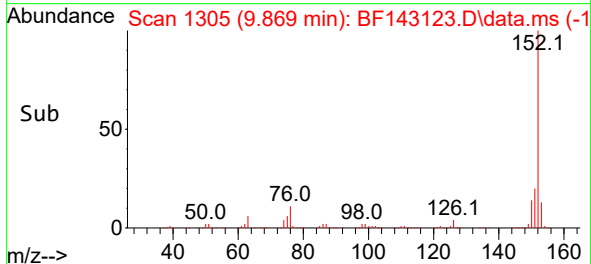
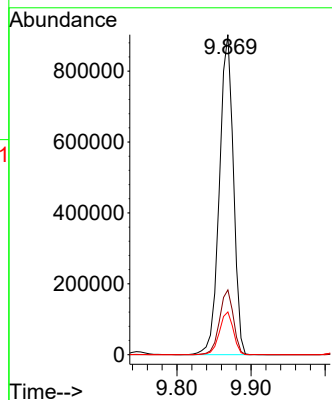
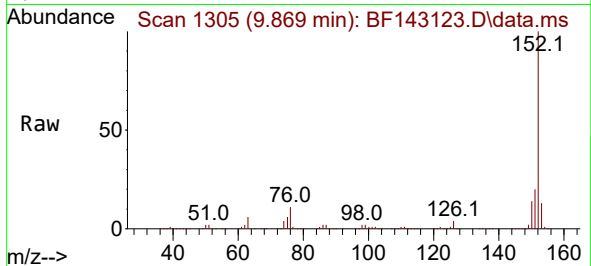




#49
Acenaphthylene
Concen: 40.849 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

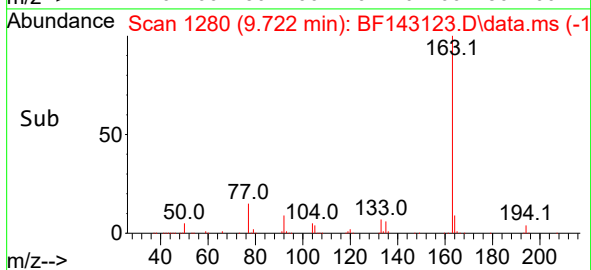
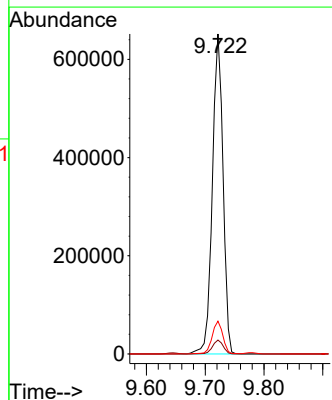
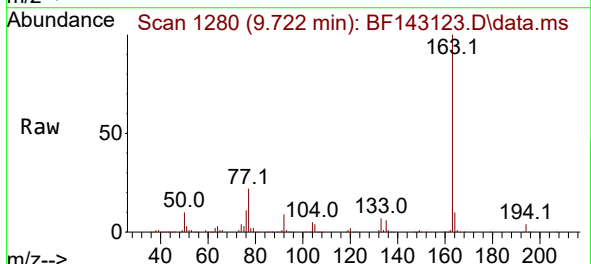
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

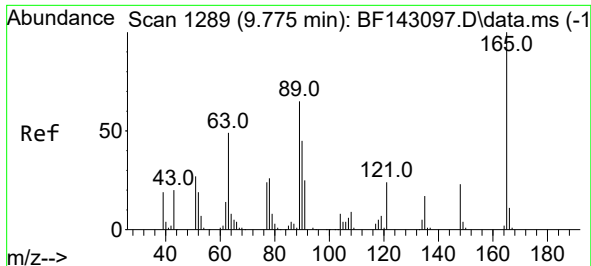
Tgt Ion:152 Resp: 1183859
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 13.4 10.4 15.6



#50
Dimethylphthalate
Concen: 44.031 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:163 Resp: 822343
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 8.2 12.2

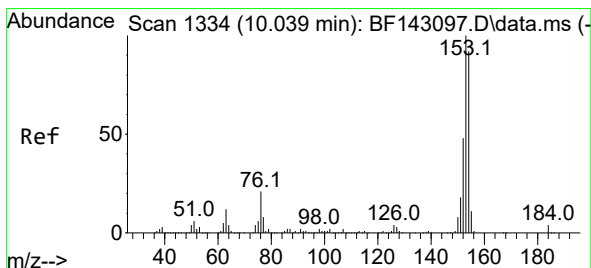
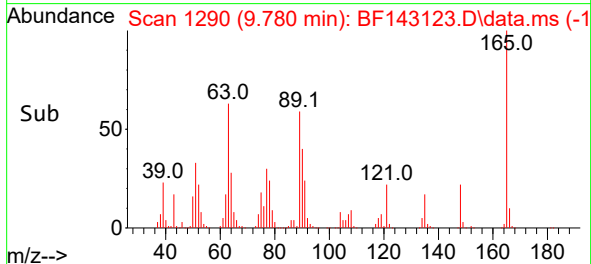
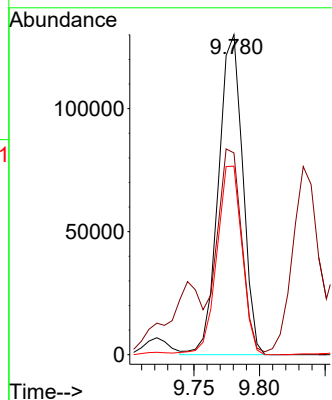
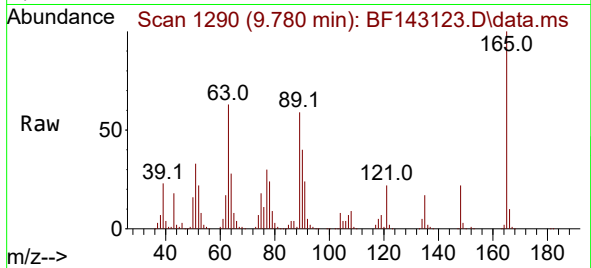




#51
2,6-Dinitrotoluene
Concen: 45.539 ng
RT: 9.780 min Scan# 1289
Delta R.T. 0.005 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

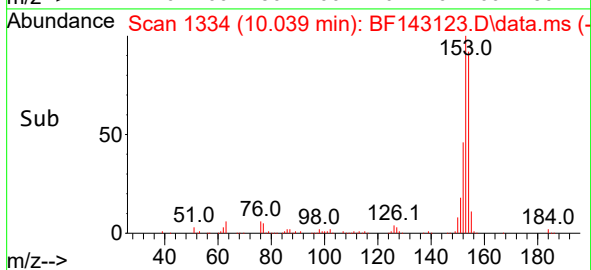
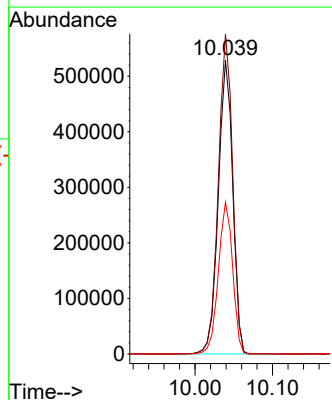
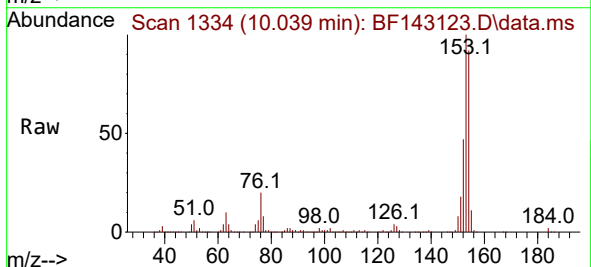
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

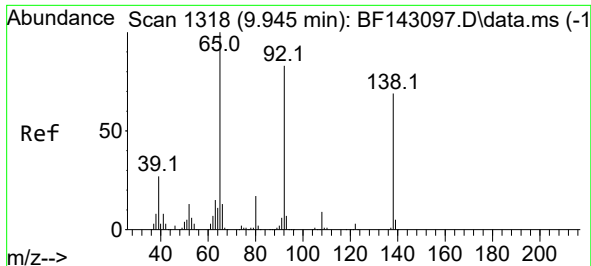
Tgt Ion:165 Resp: 167499
Ion Ratio Lower Upper
165 100
63 63.1 57.4 86.0
89 58.9 51.8 77.8



#52
Acenaphthene
Concen: 39.930 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:154 Resp: 682900
Ion Ratio Lower Upper
154 100
153 109.0 86.7 130.1
152 51.7 41.4 62.2

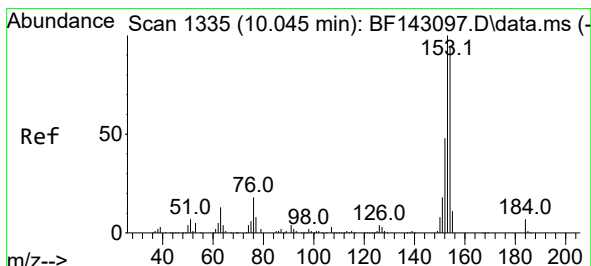
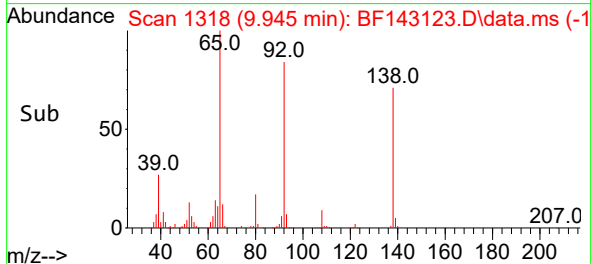
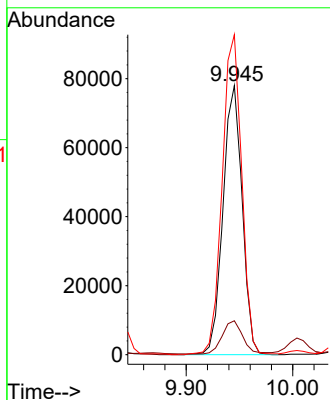
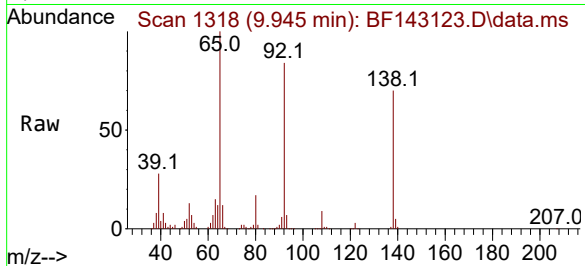




#53
3-Nitroaniline
Concen: 24.084 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

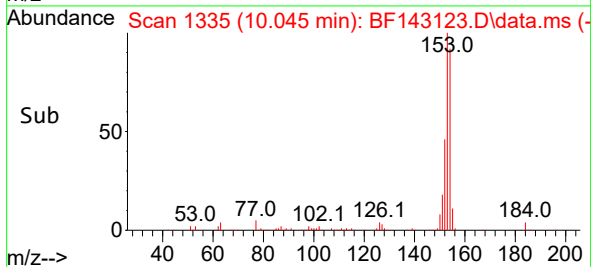
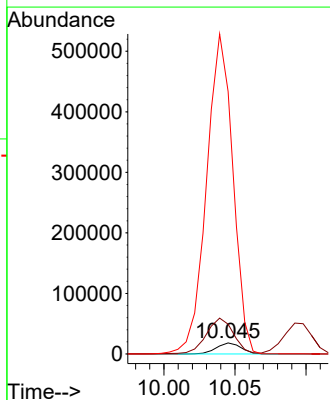
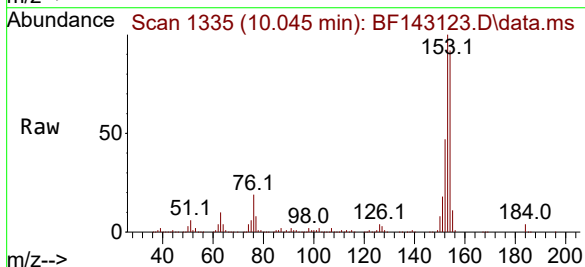
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

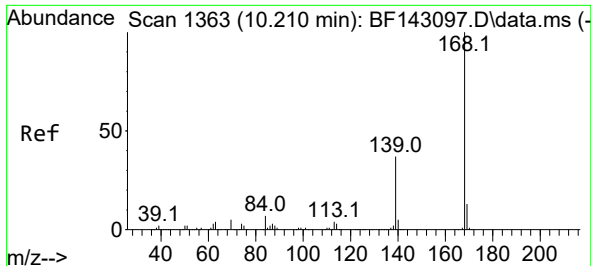
Tgt Ion:138 Resp: 97193
Ion Ratio Lower Upper
138 100
108 12.6 10.1 15.1
92 118.9 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 24.116 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:184 Resp: 22054
Ion Ratio Lower Upper
184 100
63 271.8 149.3 223.9#
154 2390.5 1048.0 1572.0#

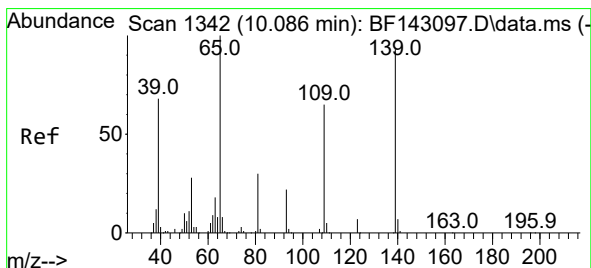
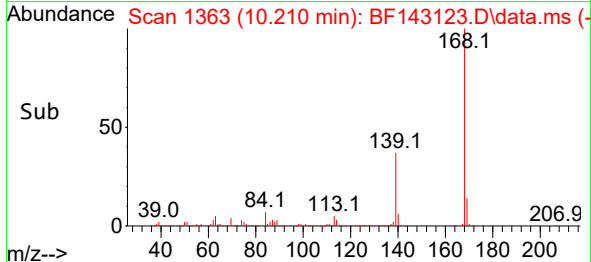
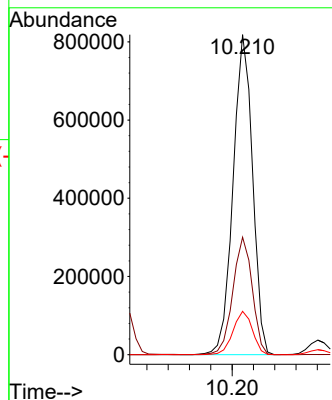
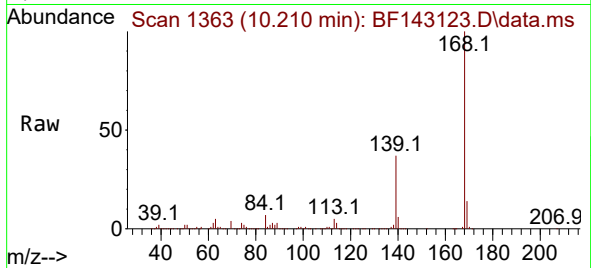




#55
Dibenzenofuran
Concen: 40.822 ng
RT: 10.210 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

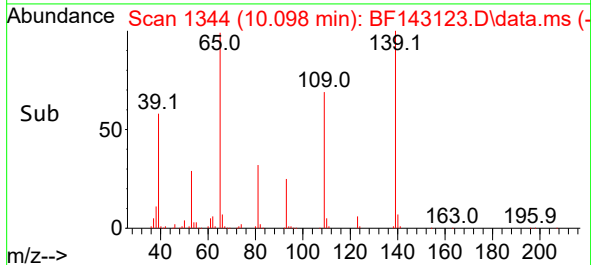
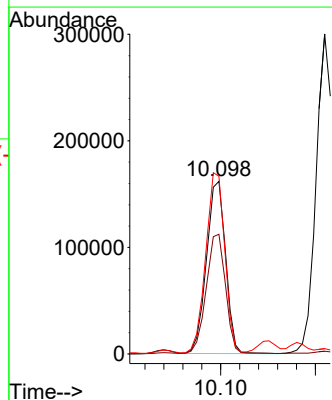
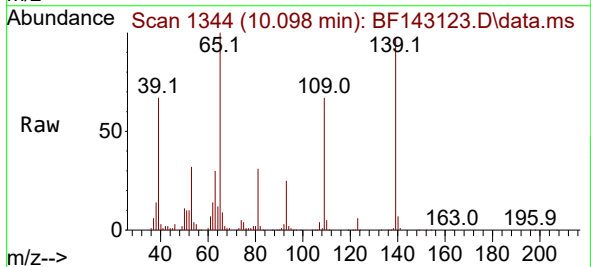
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

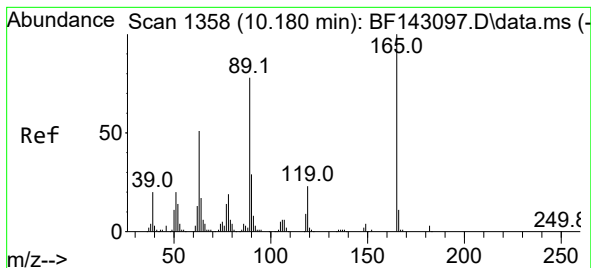
Tgt Ion:168 Resp: 1040598
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.6
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 70.644 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:139 Resp: 226579
Ion Ratio Lower Upper
139 100
109 69.3 49.4 89.4
65 102.9 88.2 128.2

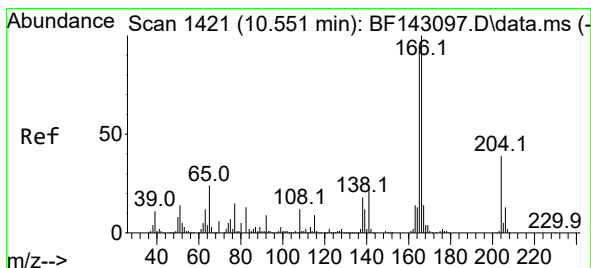
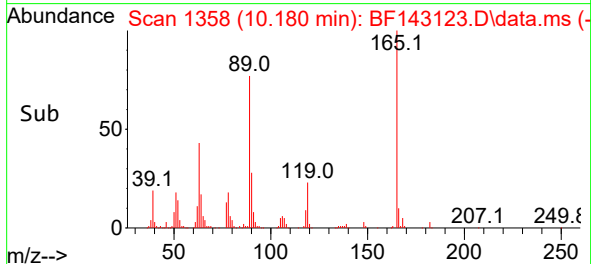
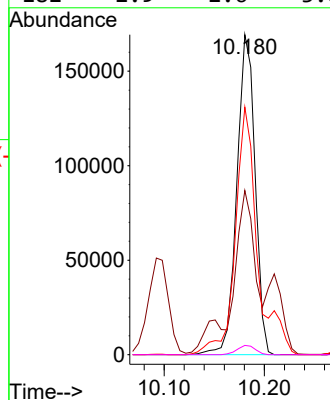
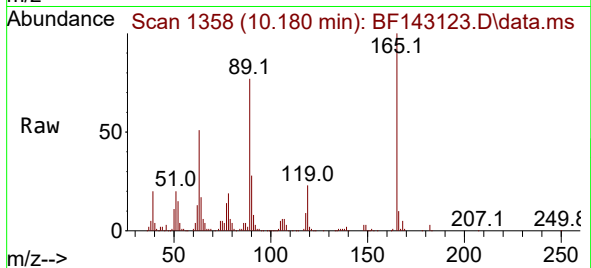




#57
2,4-Dinitrotoluene
Concen: 46.591 ng
RT: 10.180 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

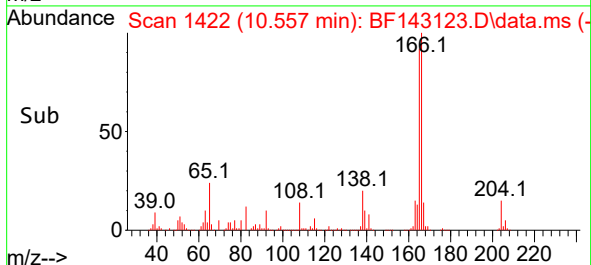
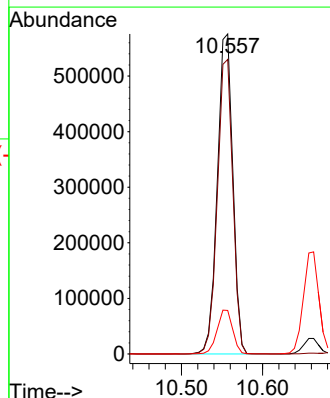
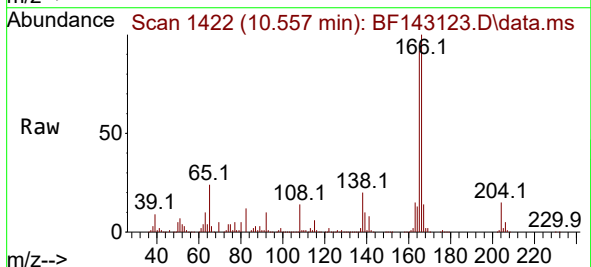
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

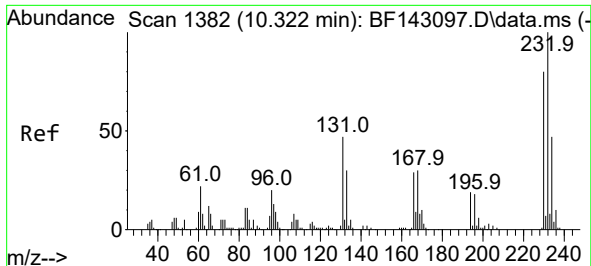
Tgt Ion:165 Resp: 214229
Ion Ratio Lower Upper
165 100
63 51.3 40.6 61.0
89 77.4 62.3 93.5
182 2.9 2.6 3.8



#58
Fluorene
Concen: 40.011 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:166 Resp: 764679
Ion Ratio Lower Upper
166 100
165 92.0 73.7 110.5
167 13.6 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.577 ng

RT: 10.327 min Scan# 1382

Delta R.T. 0.006 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

Tgt Ion:232 Resp: 199674

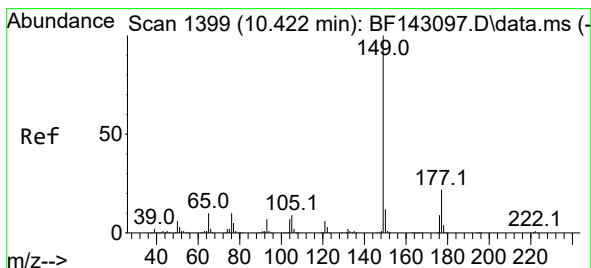
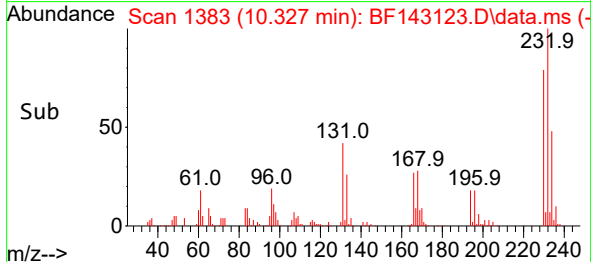
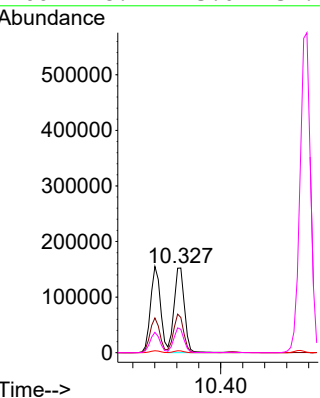
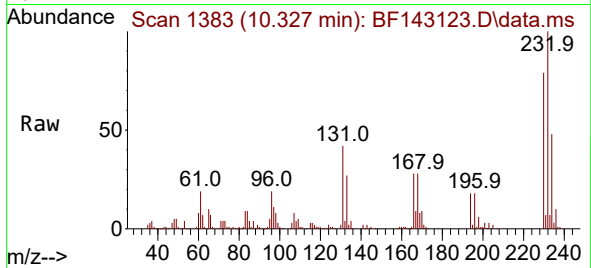
Ion Ratio Lower Upper

232 100

131 43.9 36.9 55.3

130 2.1 1.8 2.8

166 28.1 23.0 34.6



#60

Diethylphthalate

Concen: 42.818 ng

RT: 10.422 min Scan# 1399

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

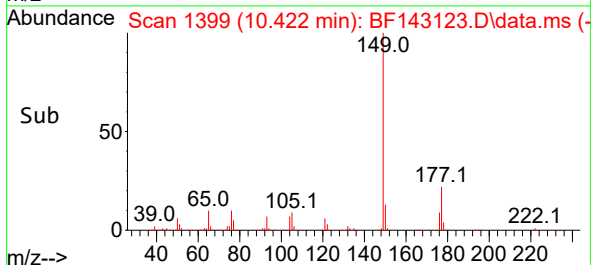
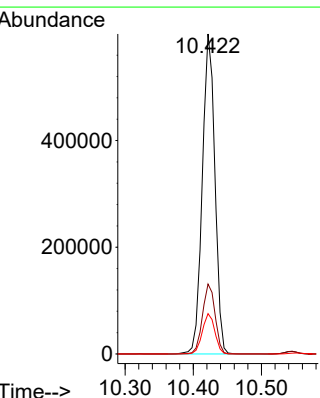
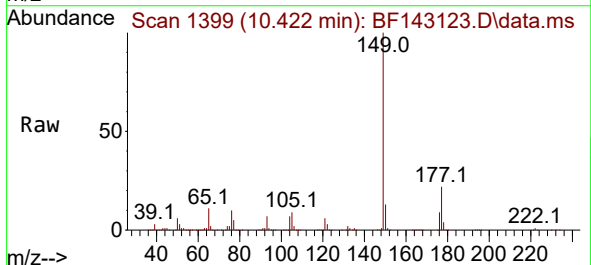
Tgt Ion:149 Resp: 771529

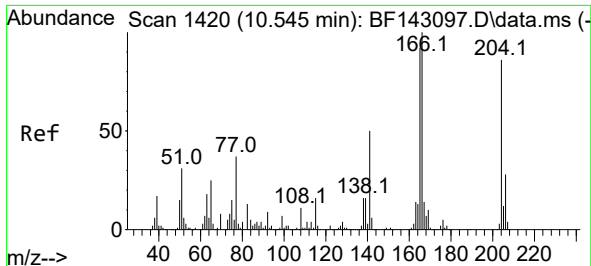
Ion Ratio Lower Upper

149 100

177 21.9 17.3 25.9

150 12.6 9.9 14.9

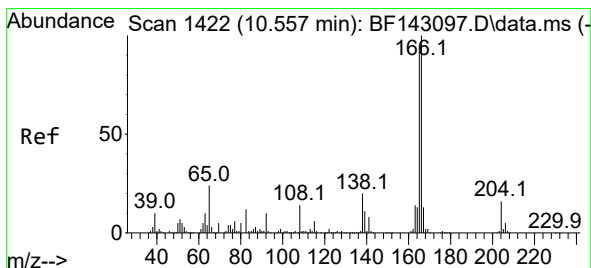
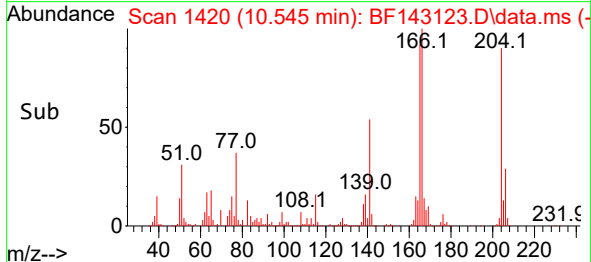
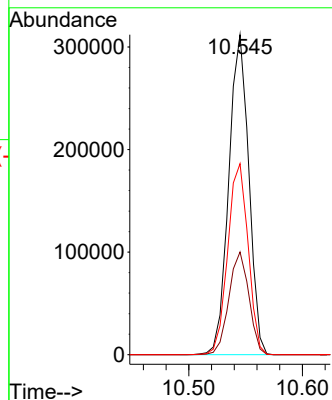
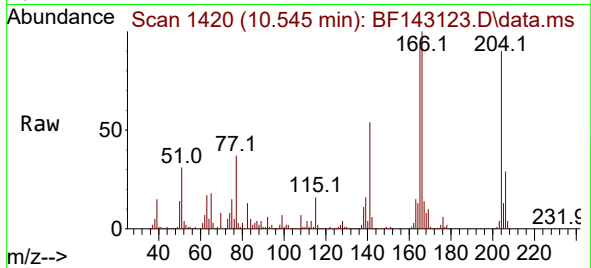




#61
4-Chlorophenyl-phenylether
Concen: 41.698 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

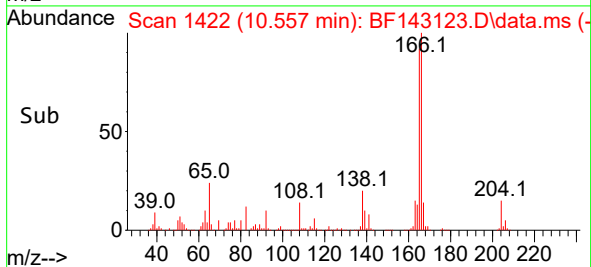
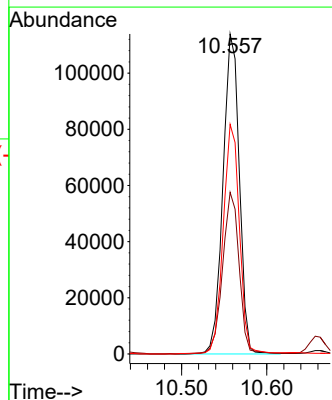
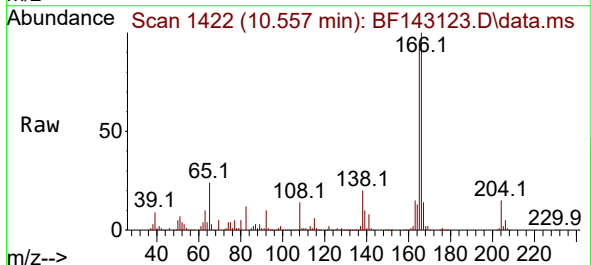
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

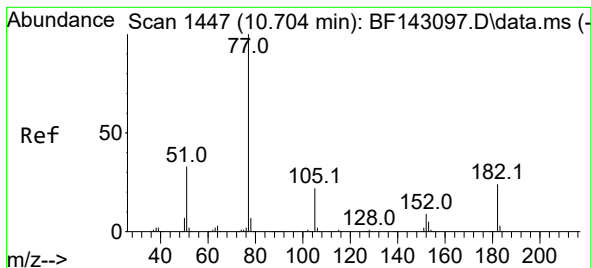
Tgt Ion:204 Resp: 381957
Ion Ratio Lower Upper
204 100
206 32.1 25.8 38.6
141 59.7 46.8 70.2



#62
4-Nitroaniline
Concen: 43.324 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:138 Resp: 152045
Ion Ratio Lower Upper
138 100
92 50.5 30.4 70.4
108 71.7 49.5 89.5





#63

Azobenzene

Concen: 42.203 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

Tgt Ion: 77 Resp: 841015

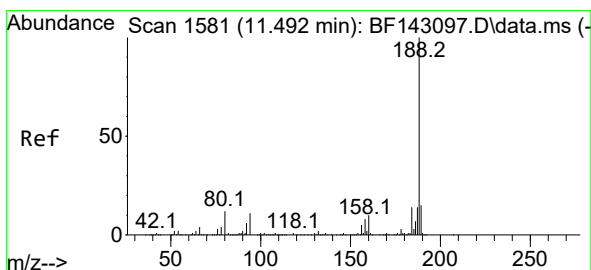
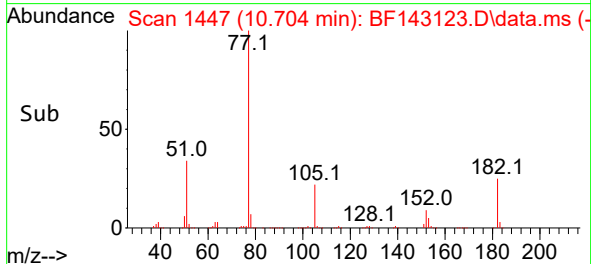
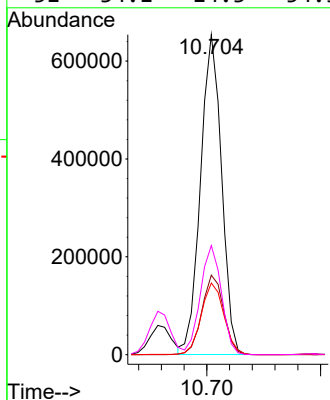
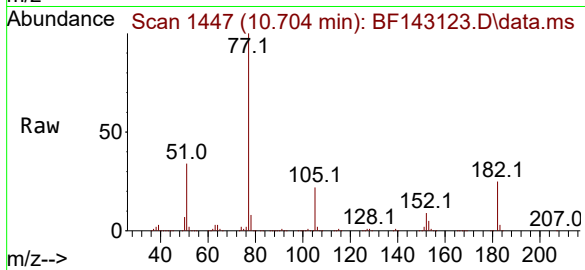
Ion Ratio Lower Upper

77 100

182 24.8 4.0 44.0

105 22.4 1.4 41.4

51 34.1 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: BF143123.D

Acq: 16 Jul 2025 22:38

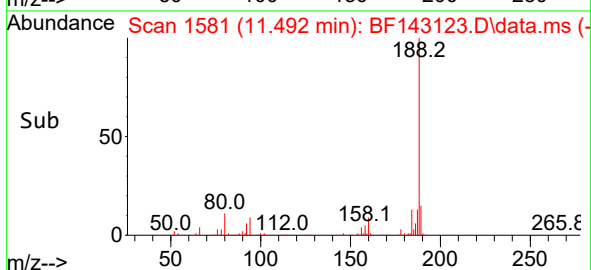
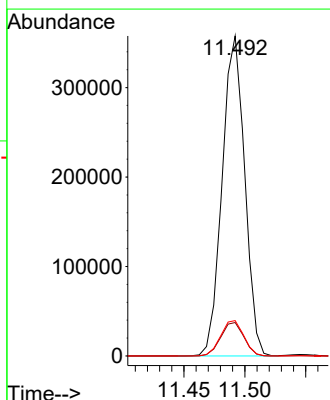
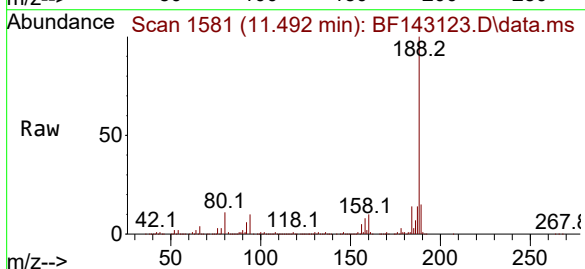
Tgt Ion:188 Resp: 461806

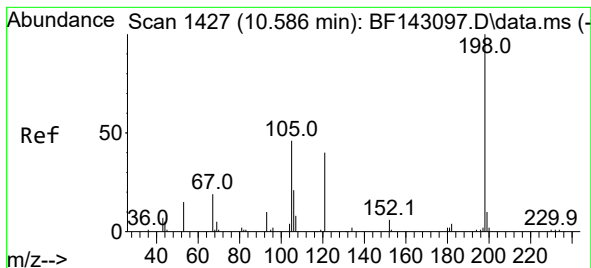
Ion Ratio Lower Upper

188 100

94 10.4 8.6 13.0

80 11.0 9.3 13.9

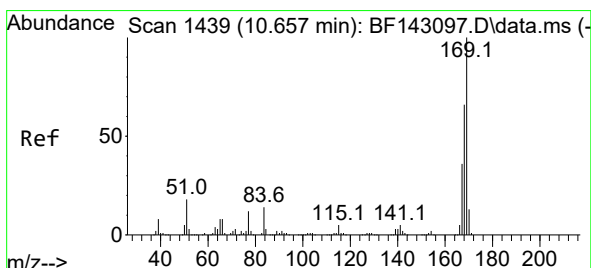
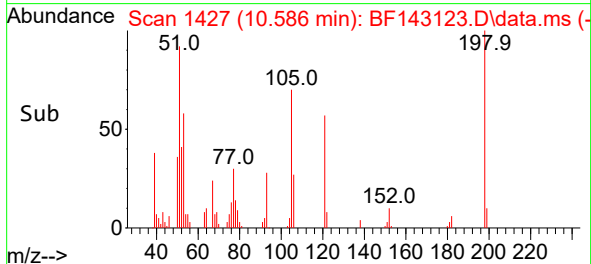
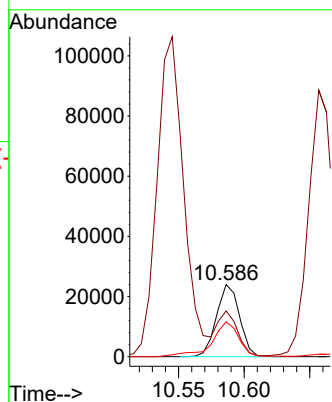
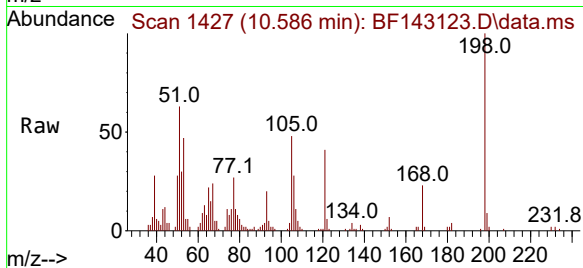




#65
4,6-Dinitro-2-methylphenol
Concen: 22.144 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

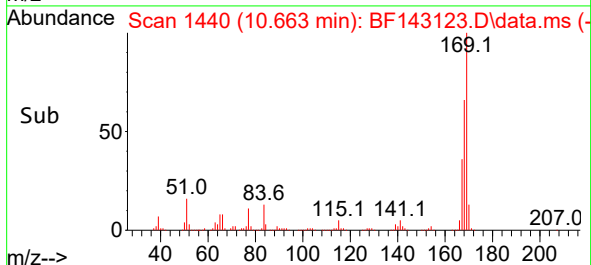
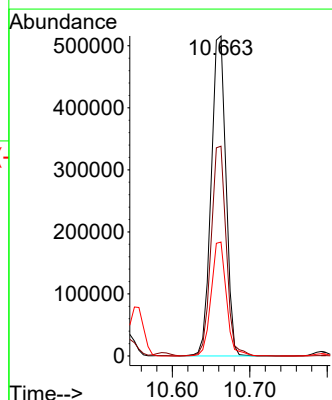
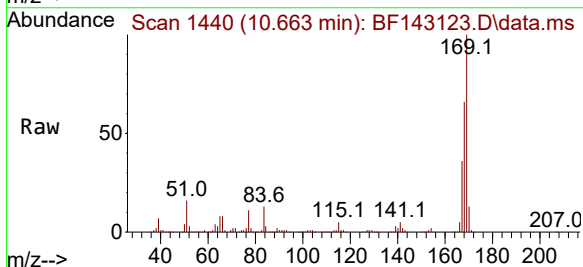
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

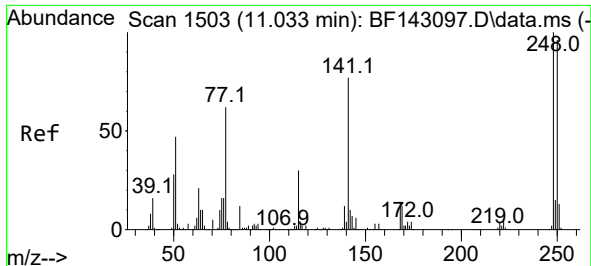
Tgt Ion:198 Resp: 29165
Ion Ratio Lower Upper
198 100
51 63.4 44.6 84.6
105 48.2 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 42.051 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:169 Resp: 682136
Ion Ratio Lower Upper
169 100
168 65.6 53.0 79.6
167 35.6 28.4 42.6

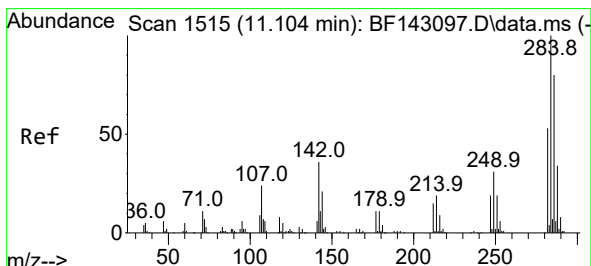
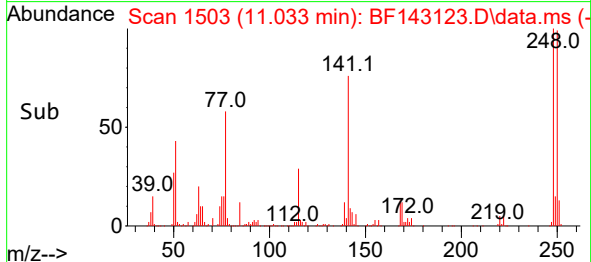
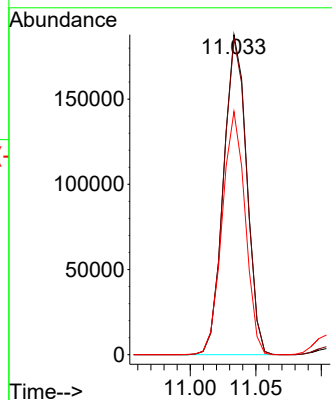
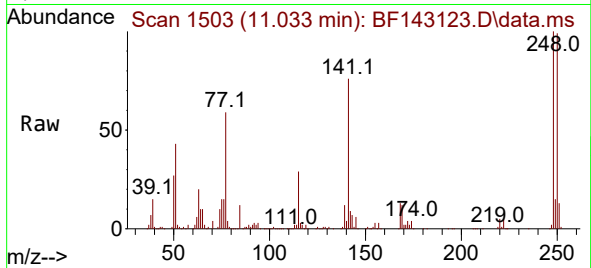




#67
4-Bromophenyl-phenylether
Concen: 43.804 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

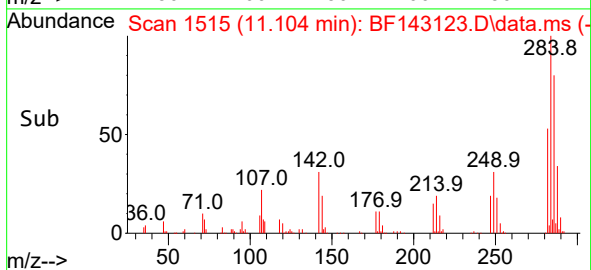
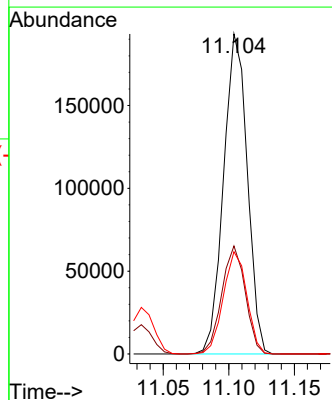
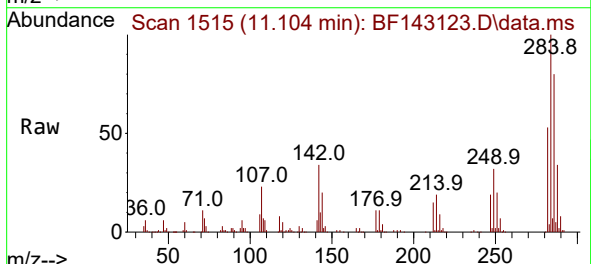
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

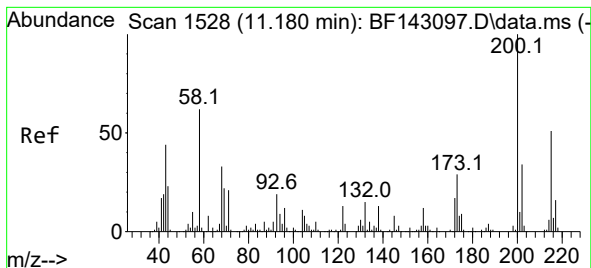
Tgt Ion:248 Resp: 230049
Ion Ratio Lower Upper
248 100
250 98.8 76.7 115.1
141 76.0 61.7 92.5



#68
Hexachlorobenzene
Concen: 43.638 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:284 Resp: 243166
Ion Ratio Lower Upper
284 100
142 33.8 28.9 43.3
249 32.0 24.6 37.0





#69

Atrazine

Concen: 46.405 ng

RT: 11.180 min Scan# 1528

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

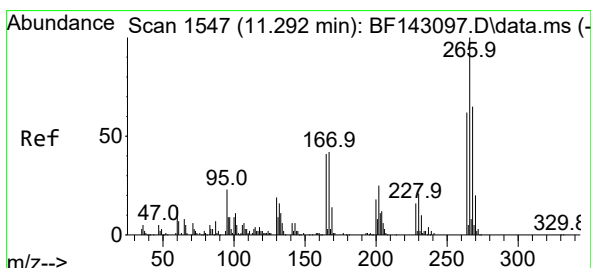
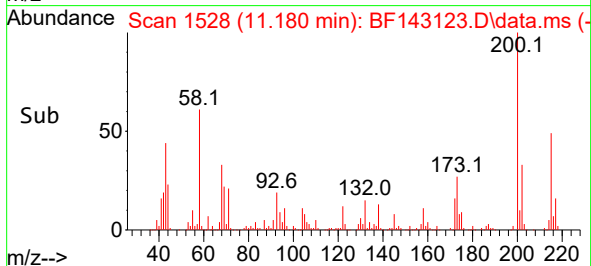
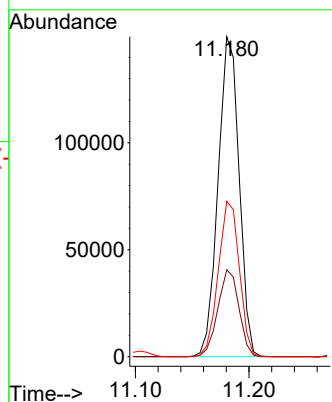
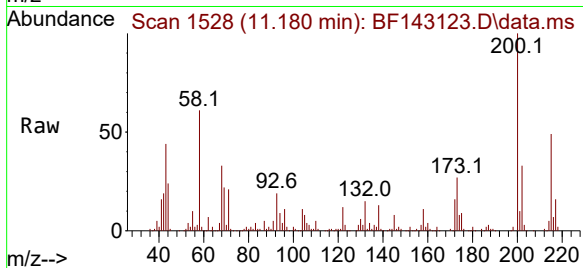
Tgt Ion:200 Resp: 192588

Ion Ratio Lower Upper

200 100

173 27.1 9.1 49.1

215 48.6 31.0 71.0



#70

Pentachlorophenol

Concen: 71.314 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

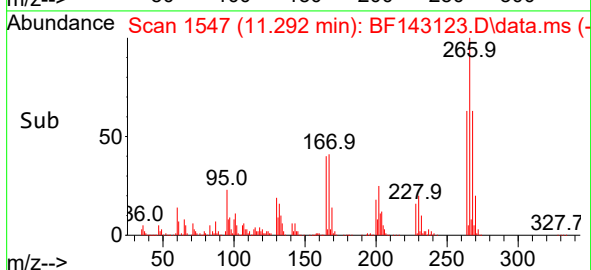
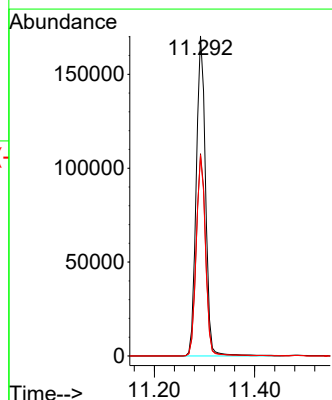
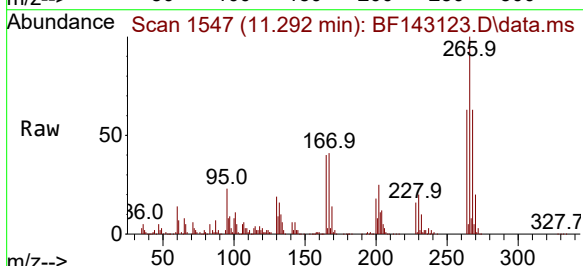
Tgt Ion:266 Resp: 218021

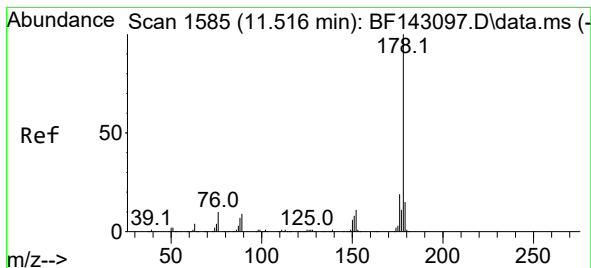
Ion Ratio Lower Upper

266 100

268 63.2 51.8 77.6

264 62.7 49.7 74.5





#71

Phenanthrene

Concen: 41.274 ng

RT: 11.516 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

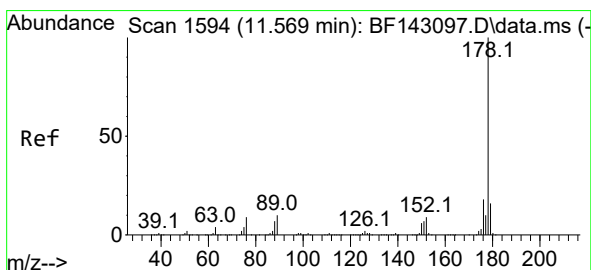
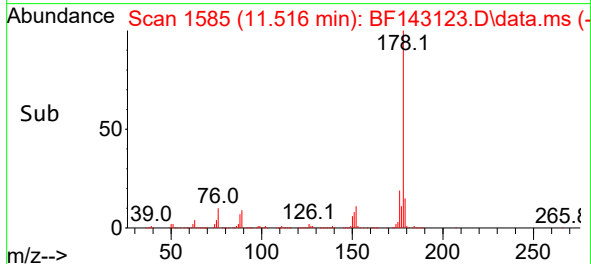
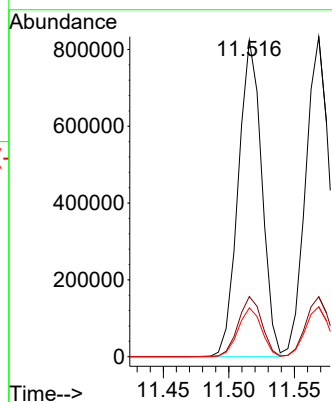
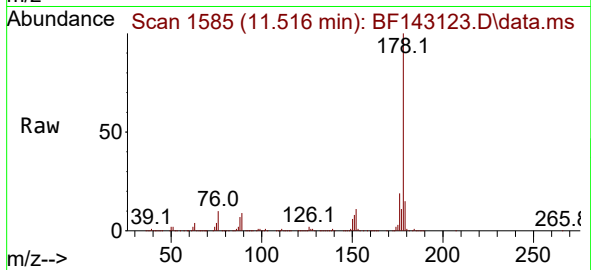
Tgt Ion:178 Resp: 1028670

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.4 12.2 18.4



#72

Anthracene

Concen: 41.528 ng

RT: 11.569 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

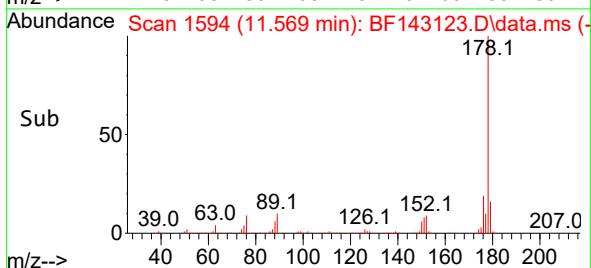
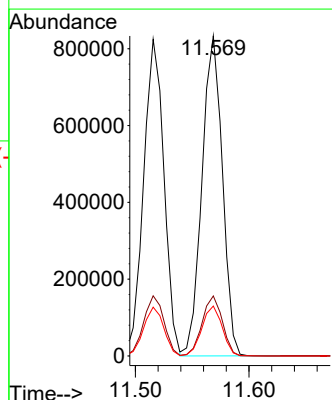
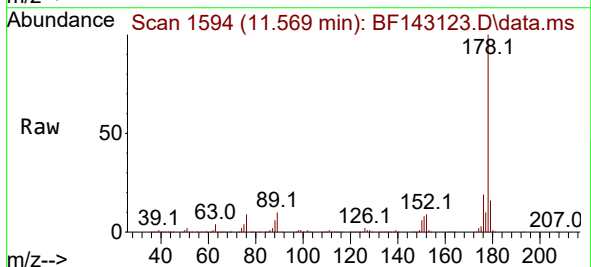
Tgt Ion:178 Resp: 1040808

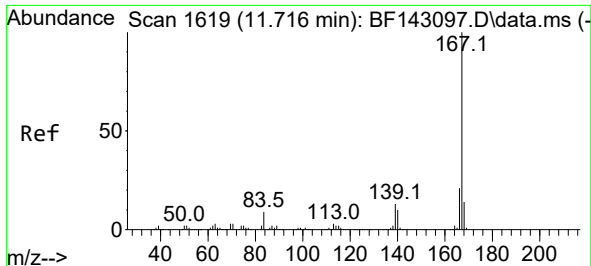
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.6 12.4 18.6

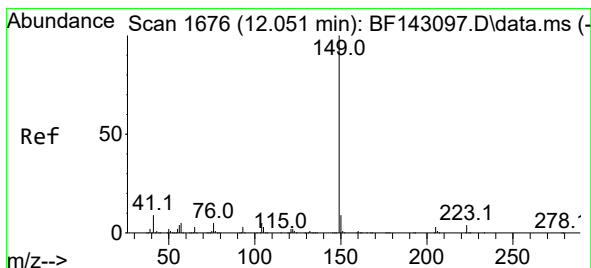
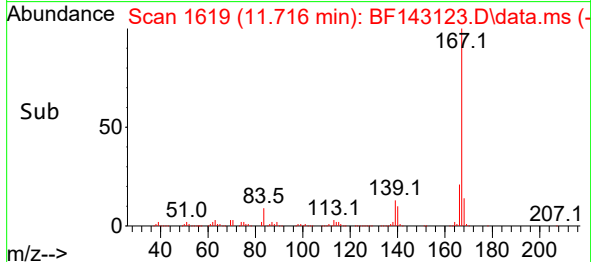
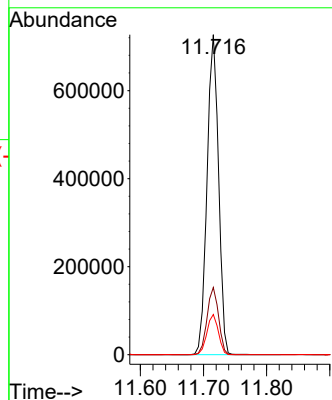
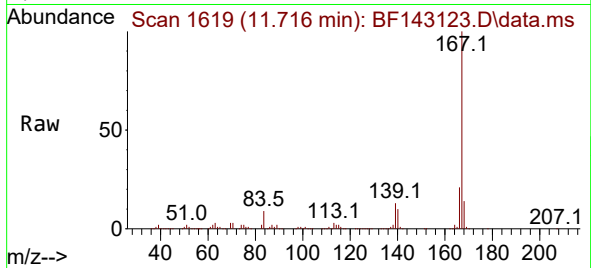




#73
 Carbazole
 Concen: 40.894 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. -0.000 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

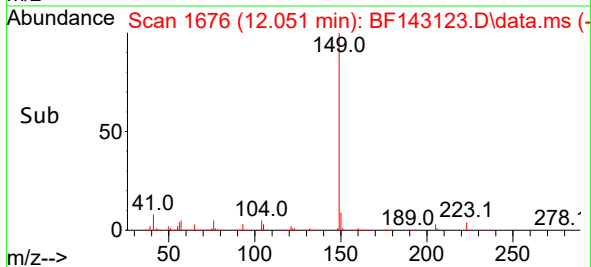
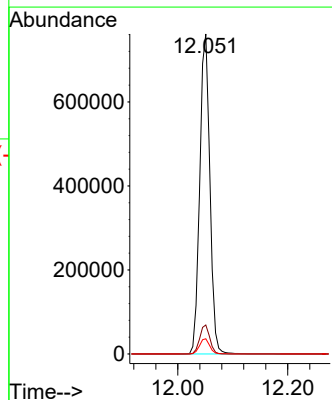
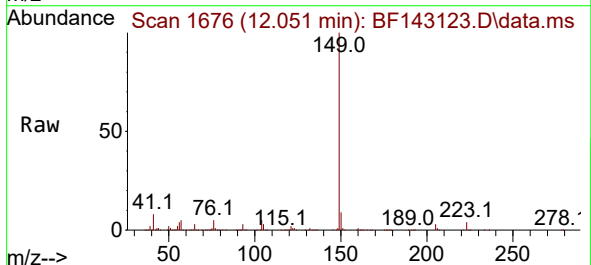
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MSD

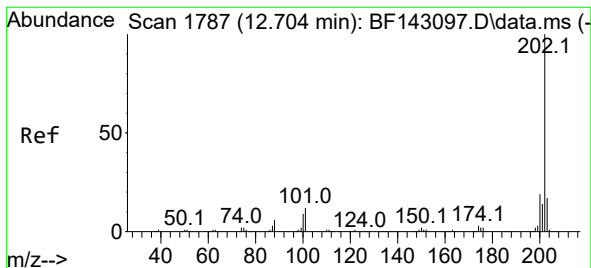
Tgt Ion:167 Resp: 918194
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.6 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 47.235 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

Tgt Ion:149 Resp: 973531
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.3 10.9
 104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 41.503 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

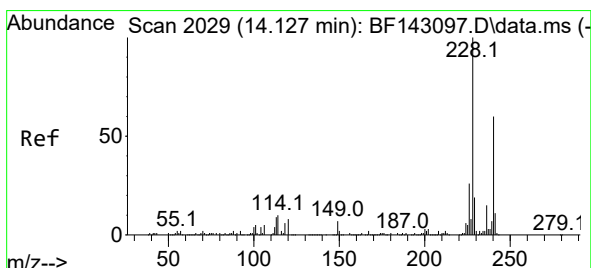
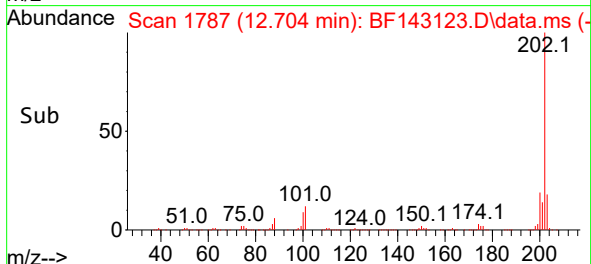
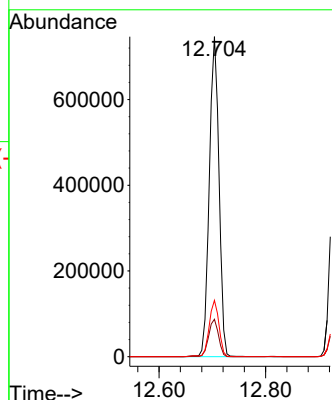
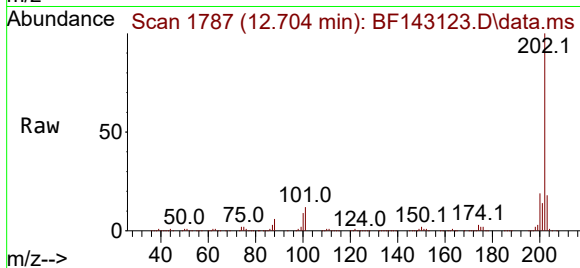
Tgt Ion:202 Resp: 940517

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.4

203 17.6 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: BF143123.D

Acq: 16 Jul 2025 22:38

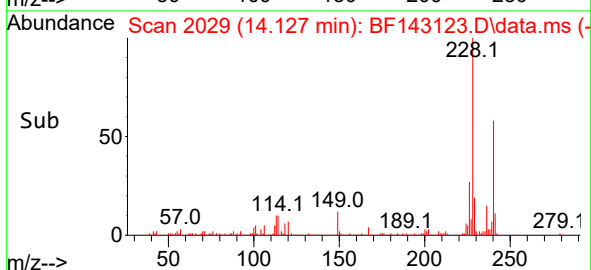
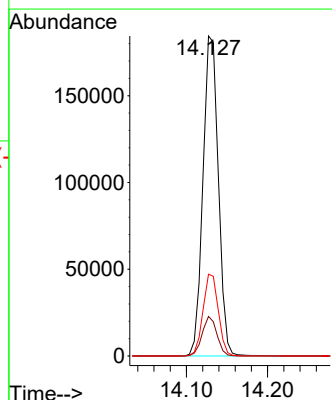
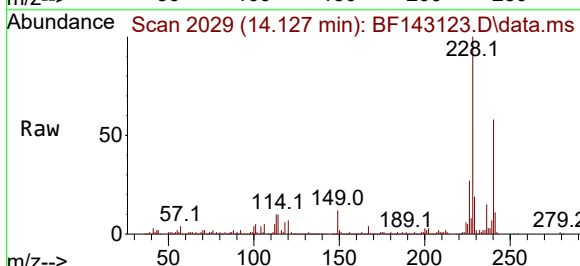
Tgt Ion:240 Resp: 242870

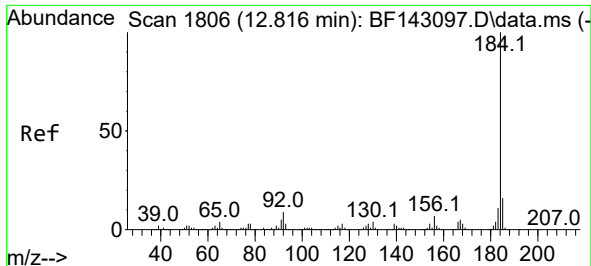
Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

236 25.5 20.0 30.0

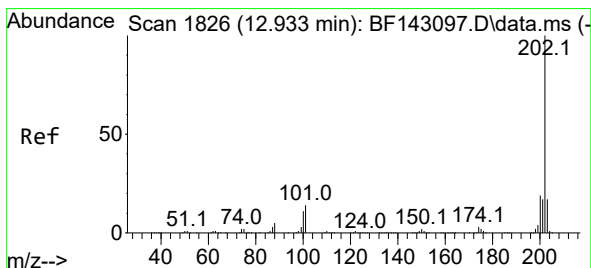
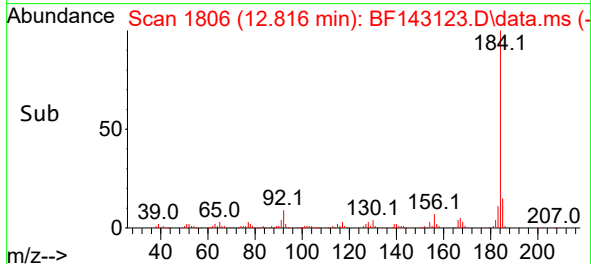
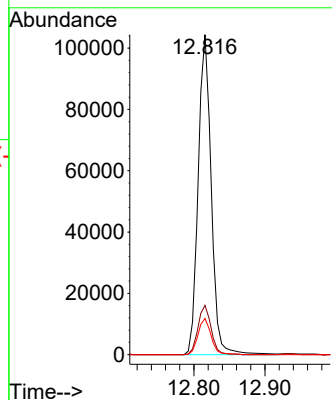
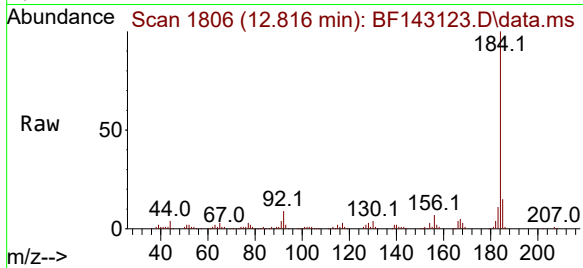




#77
Benzidine
Concen: 16.165 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

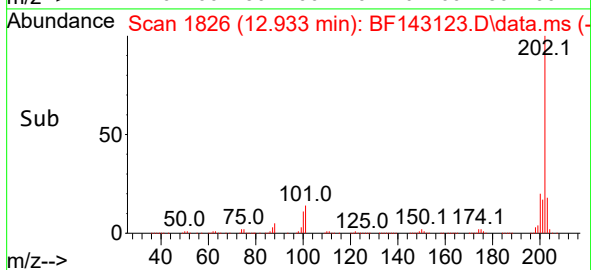
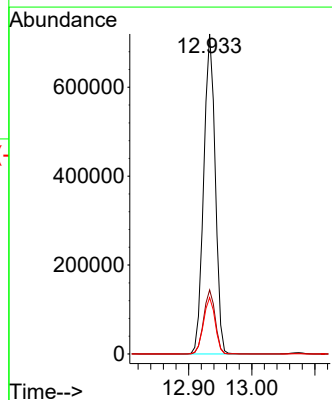
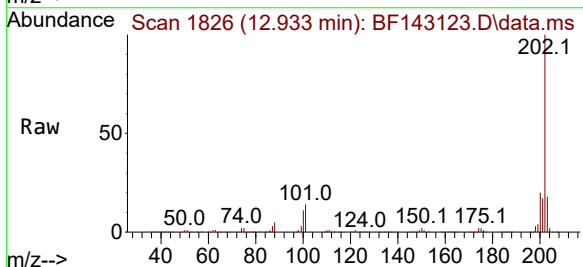
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

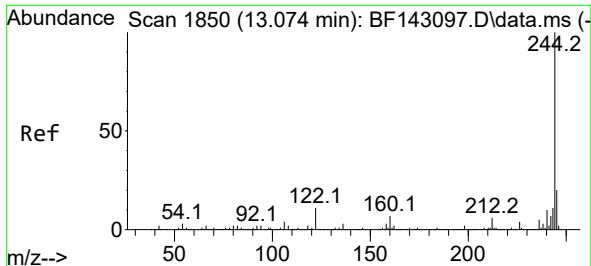
Tgt Ion:184 Resp: 133752
Ion Ratio Lower Upper
184 100
185 15.4 12.4 18.6
183 11.3 8.6 12.8



#78
Pyrene
Concen: 40.522 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:202 Resp: 913146
Ion Ratio Lower Upper
202 100
200 20.0 15.5 23.3
203 17.6 14.0 21.0

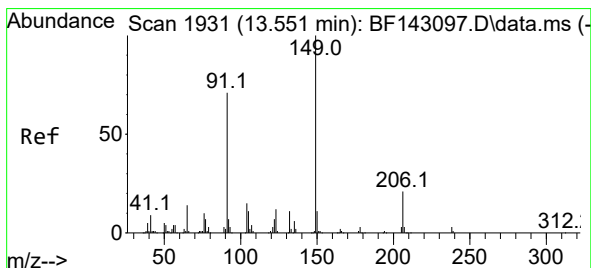
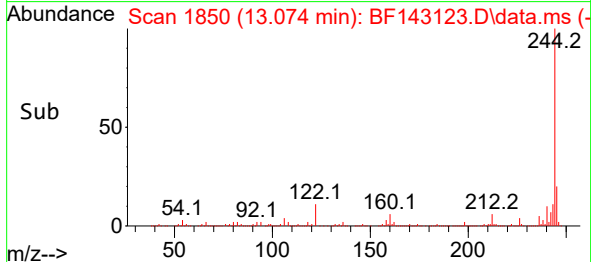
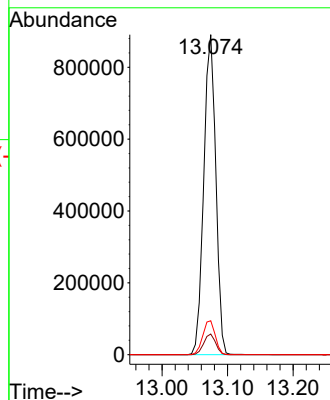
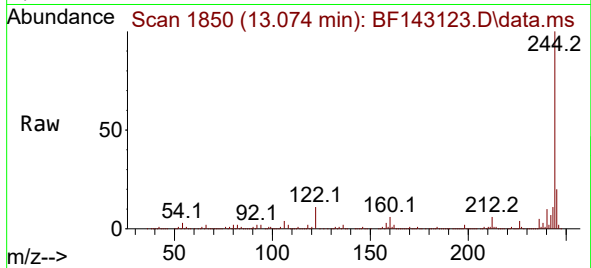




#79
 Terphenyl-d14
 Concen: 68.707 ng
 RT: 13.074 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

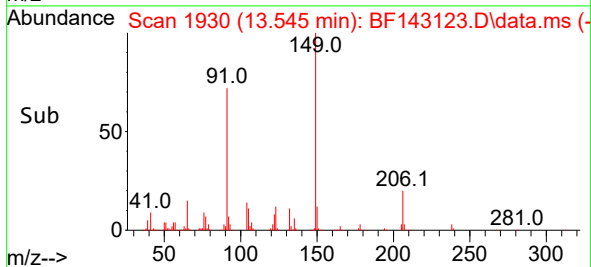
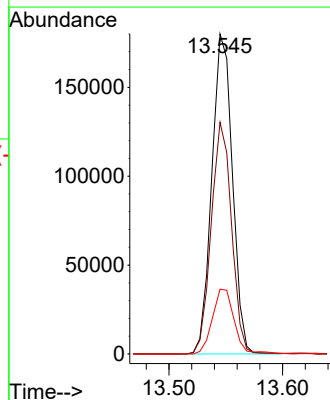
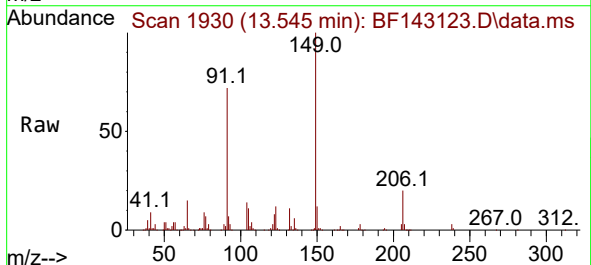
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711MSD

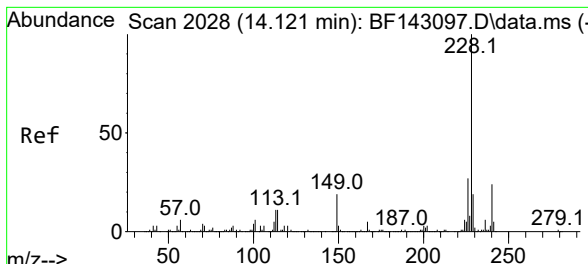
Tgt Ion:244 Resp: 1141518
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.6 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 49.895 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

Tgt Ion:149 Resp: 226545
 Ion Ratio Lower Upper
 149 100
 91 72.4 57.0 85.4
 206 20.2 17.2 25.8



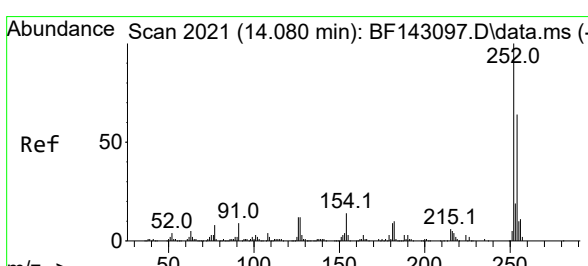
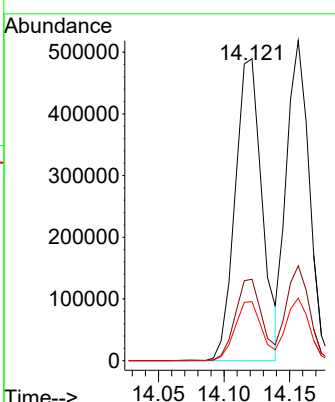
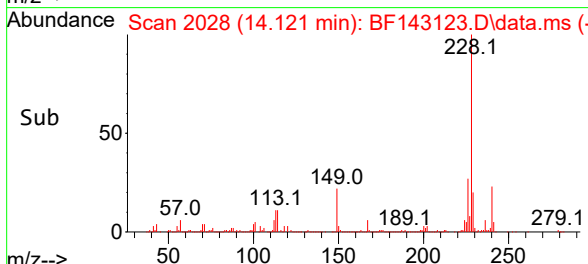
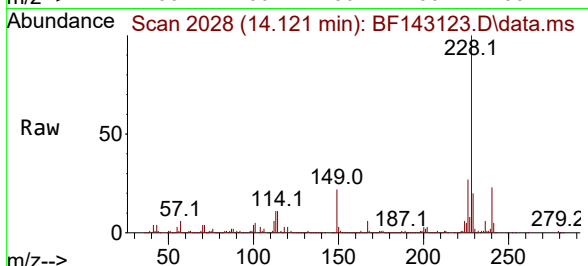


#81
 Benzo(a)anthracene
 Concen: 43.273 ng
 RT: 14.121 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

Instrument : BNA_F
 ClientSampleId : WC-SOIL-20250711MSD

Tgt Ion:228 Resp: 700338

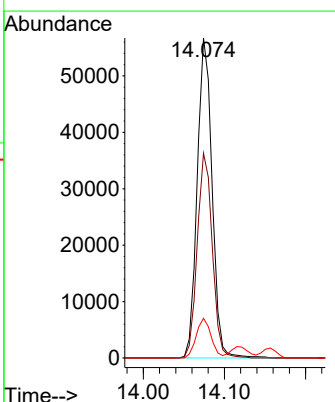
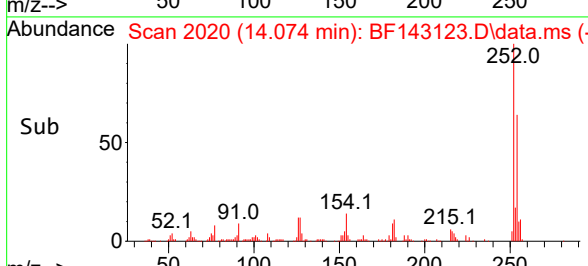
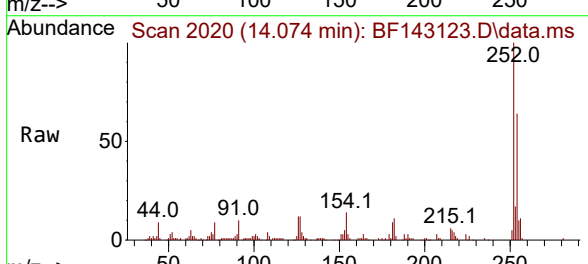
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	19.5	15.5	23.3

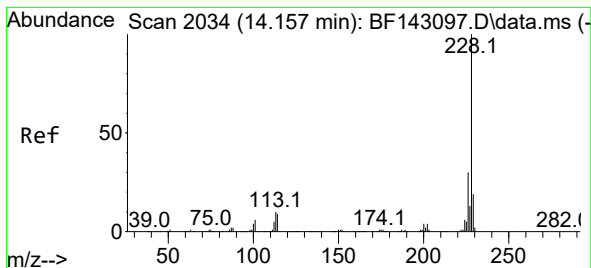


#82
 3,3'-Dichlorobenzidine
 Concen: 15.363 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF143123.D
 Acq: 16 Jul 2025 22:38

Tgt Ion:252 Resp: 72202

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.5	77.3
126	12.4	9.4	14.0





#83

Chrysene

Concen: 42.056 ng

RT: 14.157 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

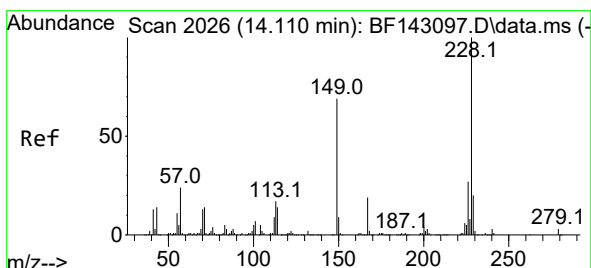
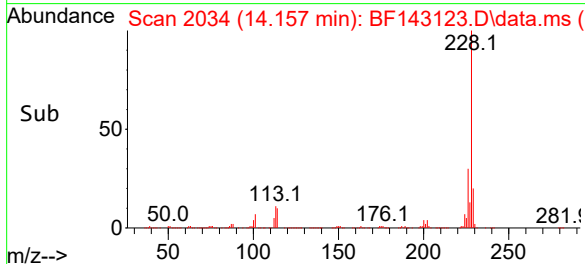
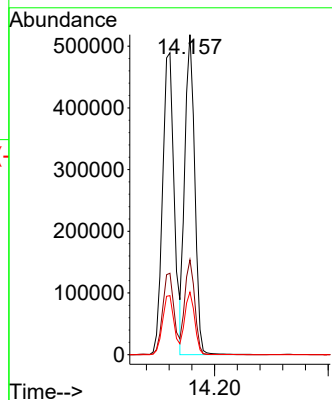
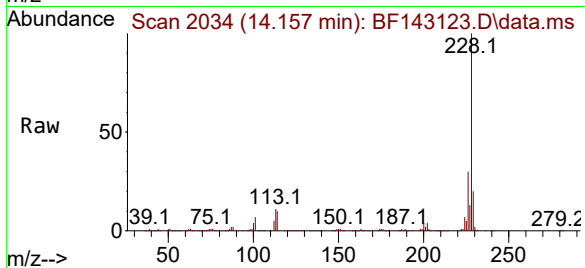
Tgt Ion:228 Resp: 626869

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

229 19.6 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.248 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

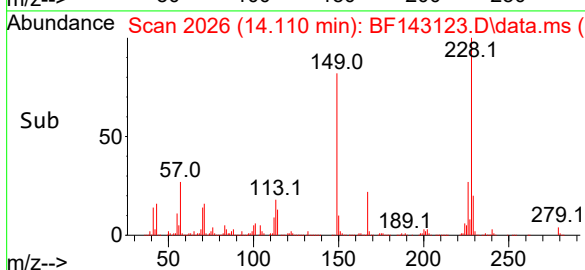
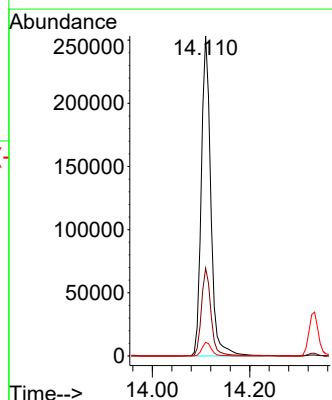
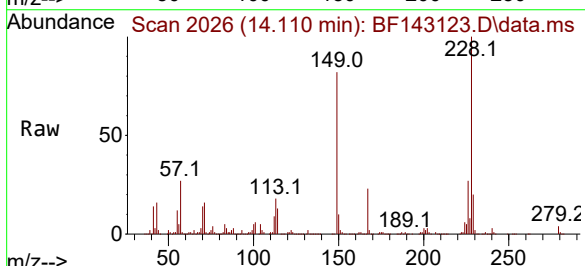
Tgt Ion:149 Resp: 344266

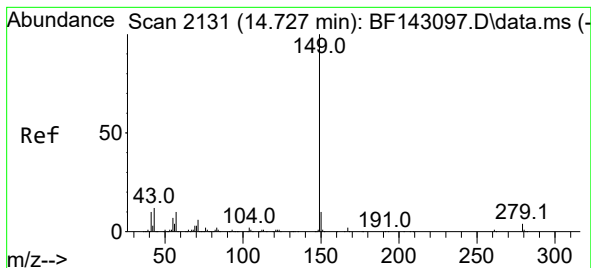
Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

279 4.3 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 52.034 ng

RT: 14.727 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

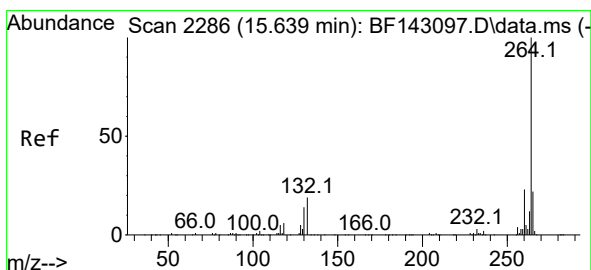
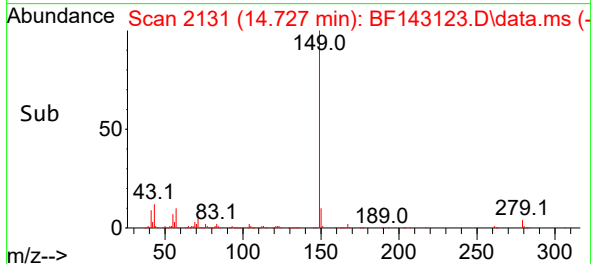
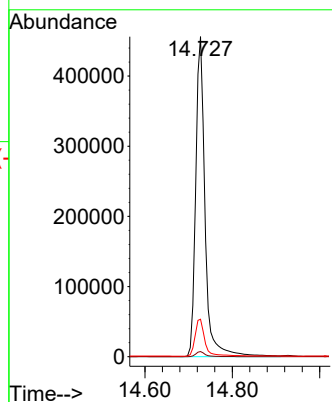
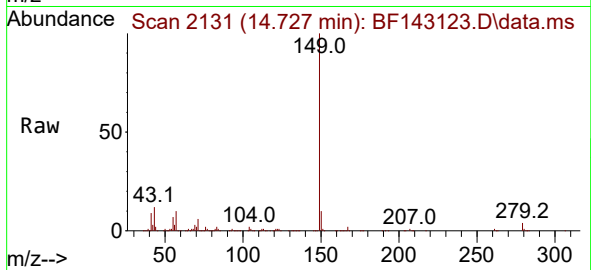
Tgt Ion:149 Resp: 680638

Ion Ratio Lower Upper

149 100

167 1.7 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: BF143123.D

Acq: 16 Jul 2025 22:38

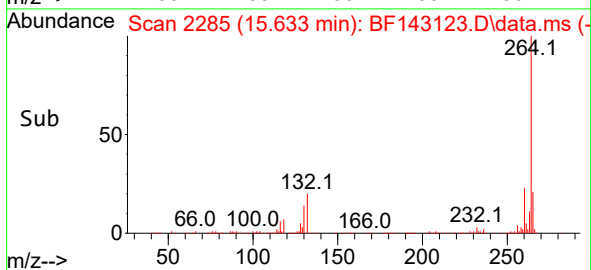
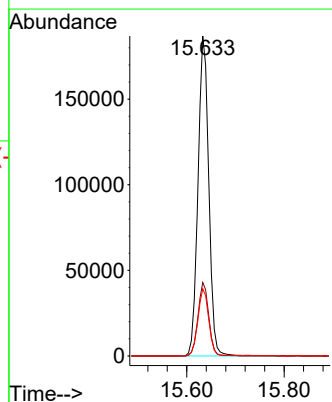
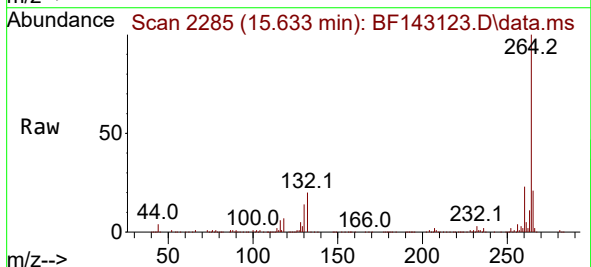
Tgt Ion:264 Resp: 288284

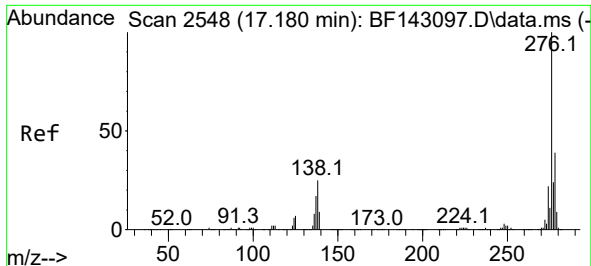
Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.0 17.5 26.3

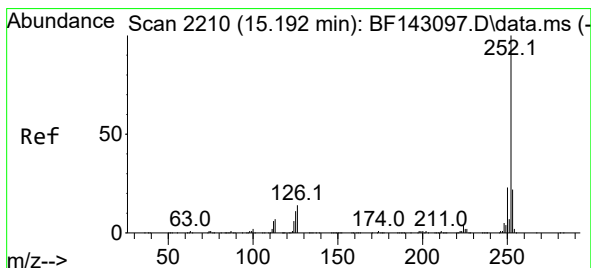
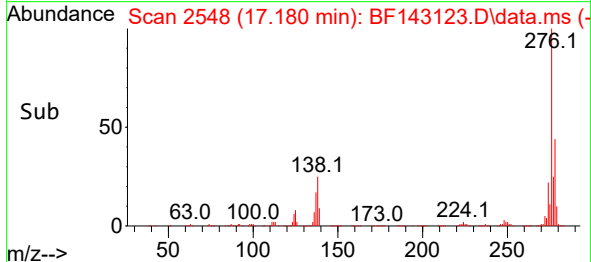
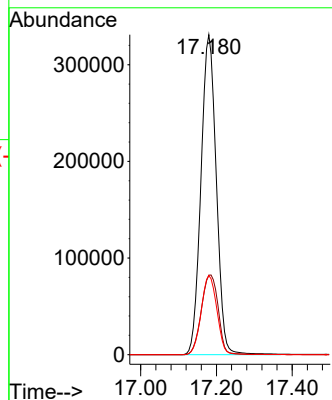
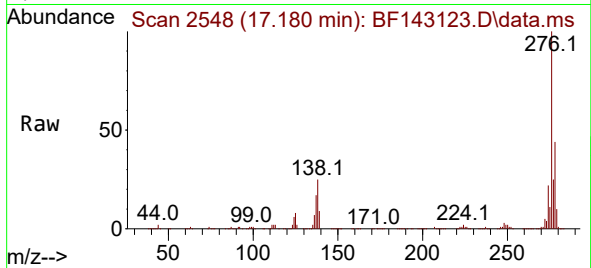




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.324 ng
RT: 17.180 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

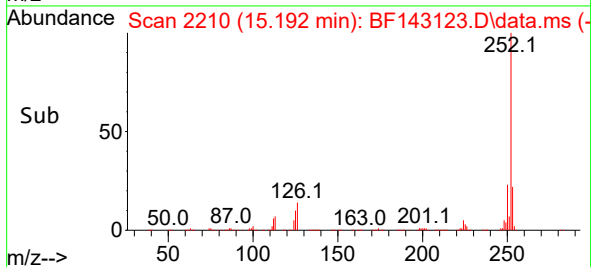
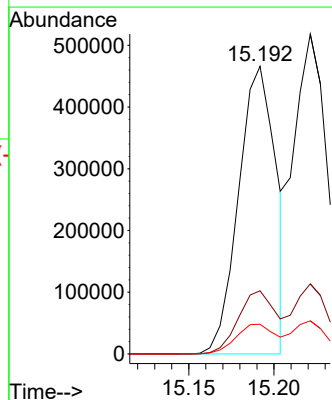
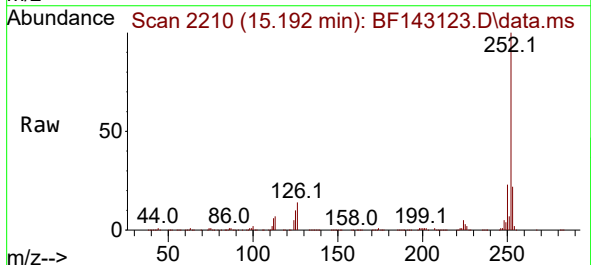
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

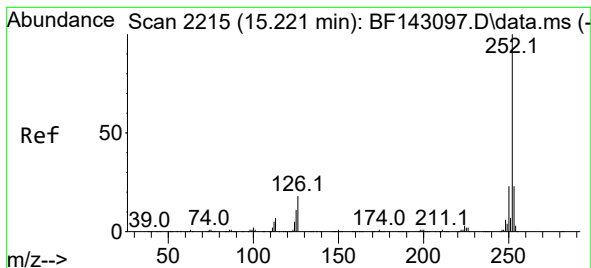
Tgt Ion:276 Resp: 928932
Ion Ratio Lower Upper
276 100
138 27.3 22.6 34.0
277 25.4 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 42.554 ng
RT: 15.192 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:252 Resp: 707624
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.3 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 45.560 ng

RT: 15.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20250711MSD

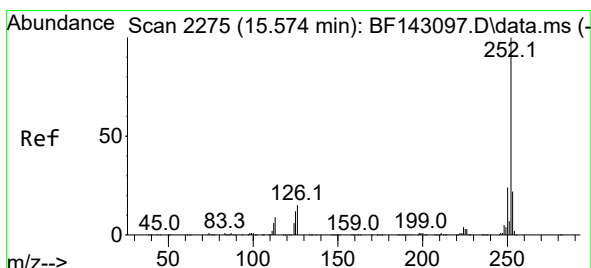
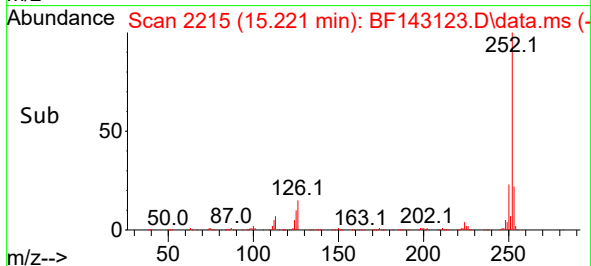
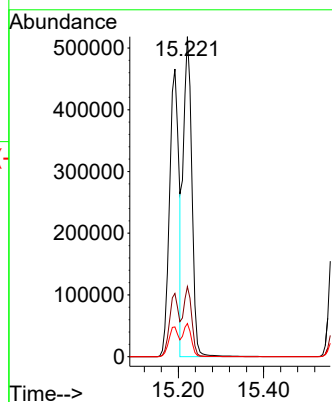
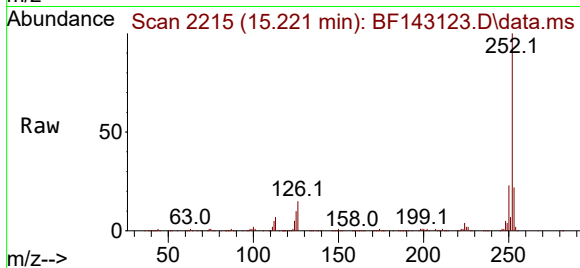
Tgt Ion:252 Resp: 722763

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 10.4 8.5 12.7



#90

Benzo(a)pyrene

Concen: 44.811 ng

RT: 15.574 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF143123.D

Acq: 16 Jul 2025 22:38

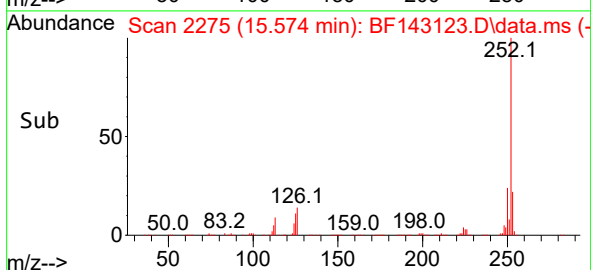
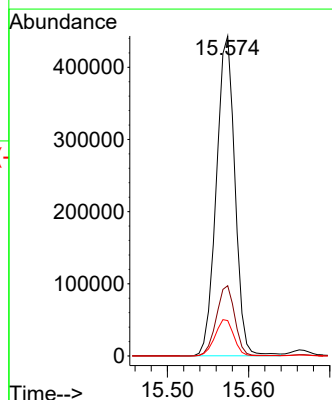
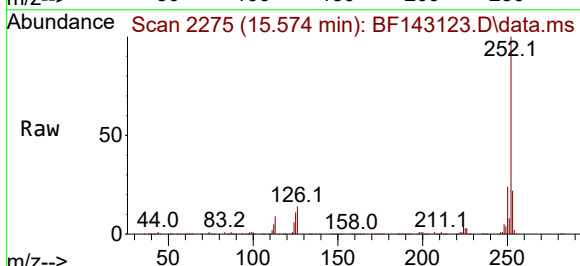
Tgt Ion:252 Resp: 704754

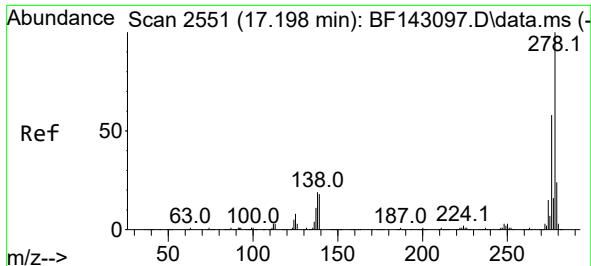
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 11.0 9.4 14.0

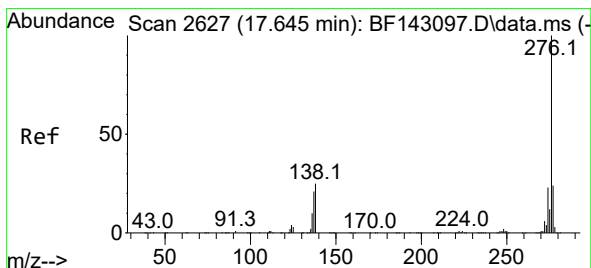
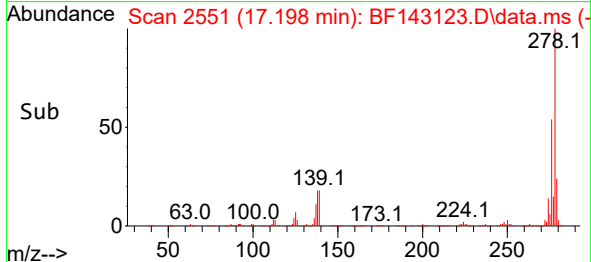
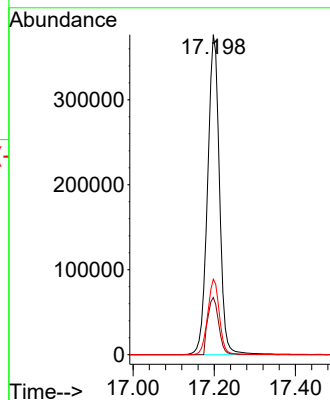
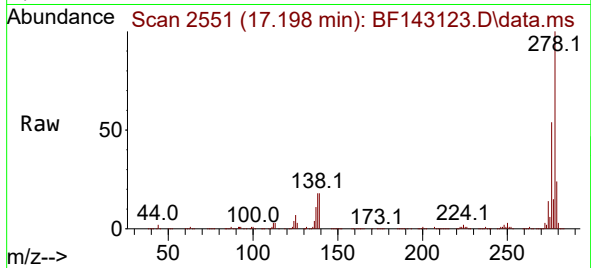




#91
Dibenzo(a,h)anthracene
Concen: 43.634 ng
RT: 17.198 min Scan# 2551
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

Tgt Ion:278 Resp: 764803
Ion Ratio Lower Upper
278 100
139 17.9 14.6 22.0
279 23.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 41.795 ng
RT: 17.645 min Scan# 2627
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:276 Resp: 746877
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 24.3 19.8 29.6

