

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
 Data File : BF131687.D
 Acq On : 19 Dec 2022 14:13
 Operator : CG\JU
 Sample : N6067-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214

Quant Time: Dec 20 01:02:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 00:23:43 2022
 Response via : Initial Calibration

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

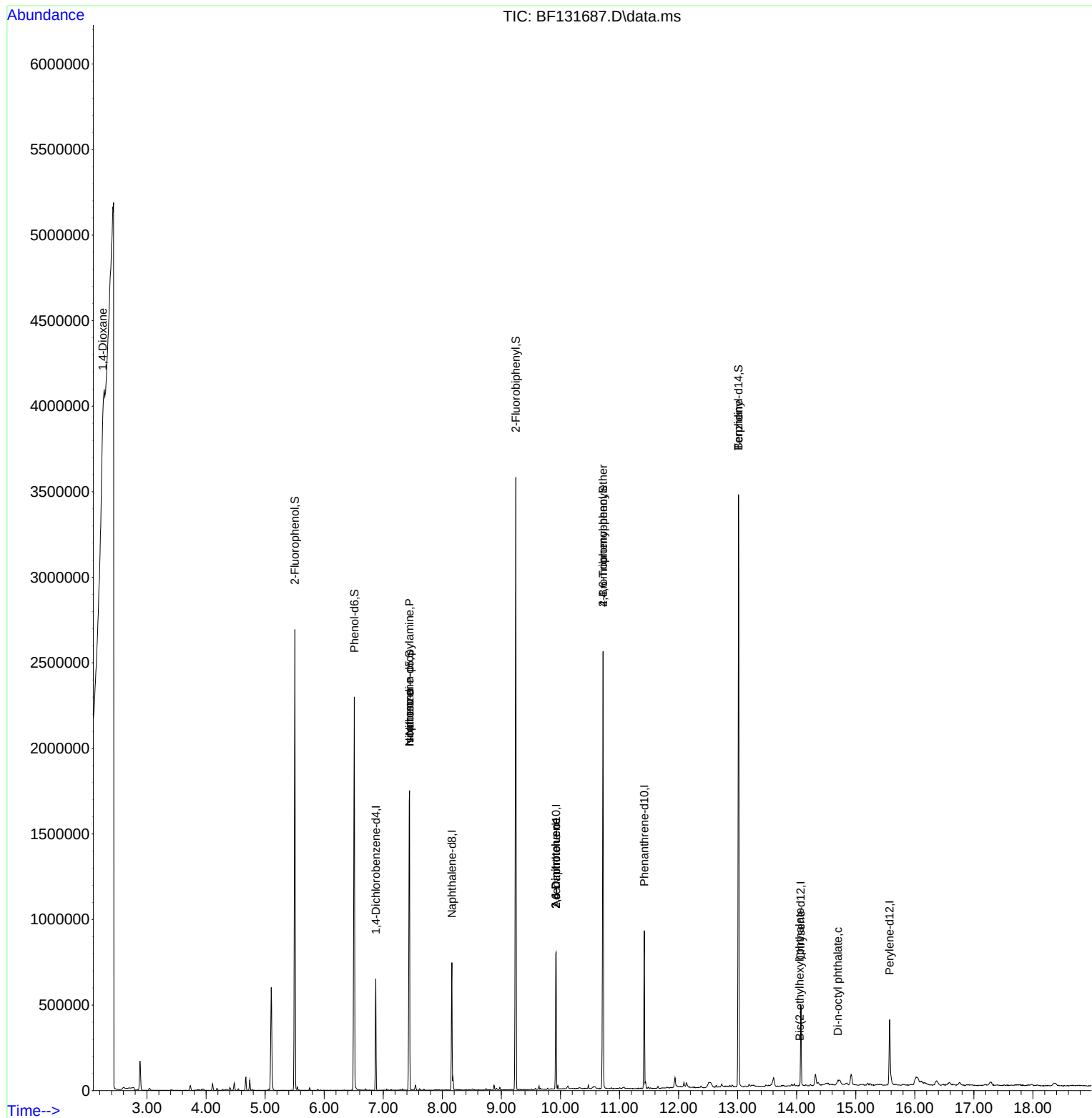
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	81008	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	297176	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	173616	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	326227	20.000	ng	0.00
76) Chrysene-d12	14.068	240	164480	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	164484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	671411	138.271	ng	0.02
7) Phenol-d6	6.510	99	804693	126.462	ng	0.00
23) Nitrobenzene-d5	7.445	82	660555	84.036	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	284230	147.351	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1152406	83.693	ng	0.00
79) Terphenyl-d14	13.016	244	1265346	105.502	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.252	88	6311	2.879	ng	# 52
19) n-Nitroso-di-n-propyla...	7.445	70	92745	19.438	ng	# 75
25) Isophorone	7.445	82	658565	52.015	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	22510	8.238	ng	# 10
57) 2,4-Dinitrotoluene	9.922	165	22510	6.211	ng	# 16
67) 4-Bromophenyl-phenylether	10.722	248	19636	4.679	ng	# 1
77) Benzidine	13.016	184	20439	4.638	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.051	149	1701	3.281	ng	# 83
85) Di-n-octyl phthalate	14.698	149	1658	5.360	ng	# 56

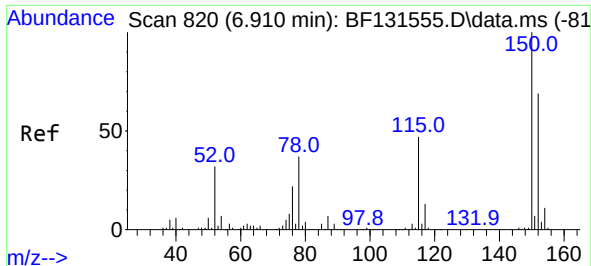
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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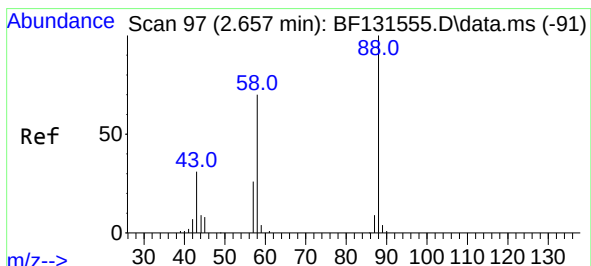
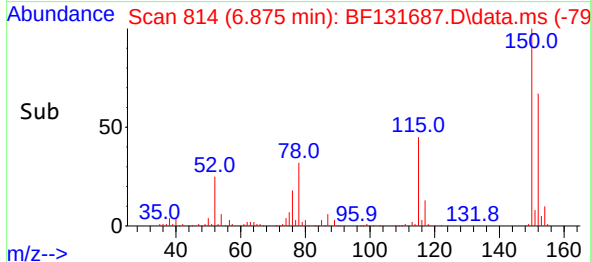
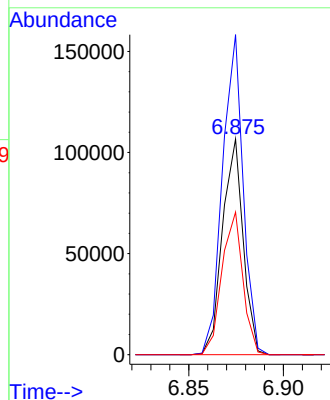
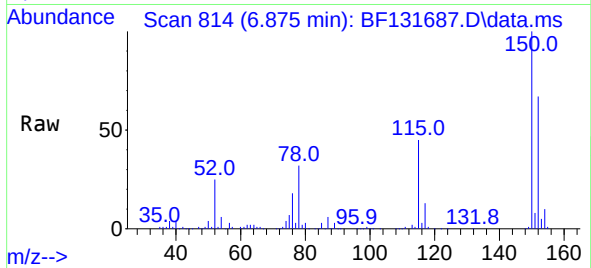




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

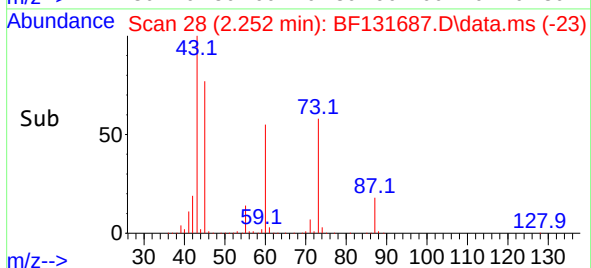
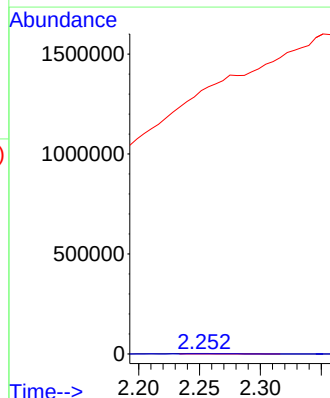
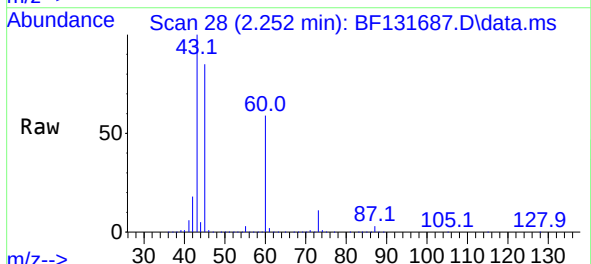
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

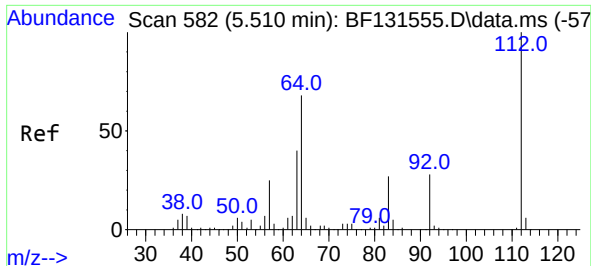
Tgt Ion:152 Resp: 81008
Ion Ratio Lower Upper
152 100
150 148.4 116.7 175.1
115 66.1 54.6 82.0



#2
1,4-Dioxane
Concen: 2.879 ng
RT: 2.252 min Scan# 28
Delta R.T. -0.323 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion: 88 Resp: 6311
Ion Ratio Lower Upper
88 100
58 38.3 60.0 90.0#
43 0.0 26.7 40.1#

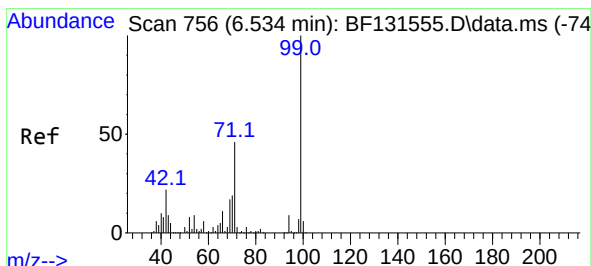
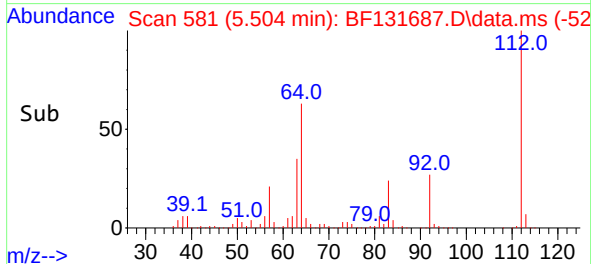
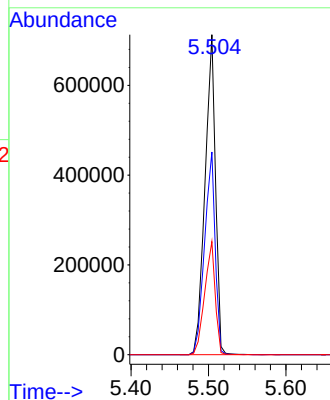
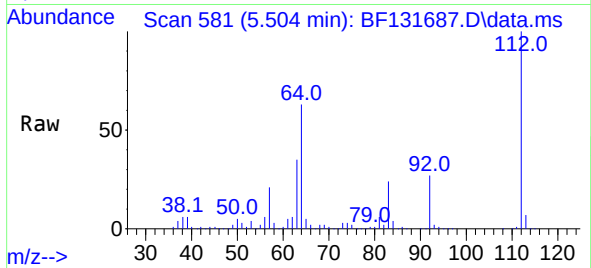




#5
2-Fluorophenol
Concen: 138.271 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

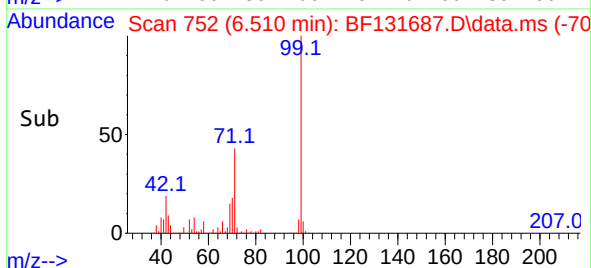
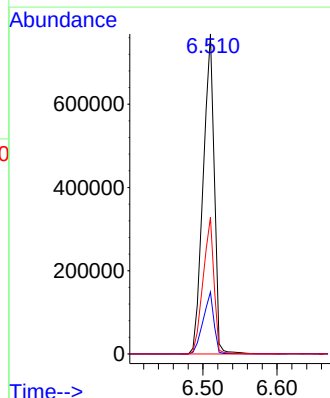
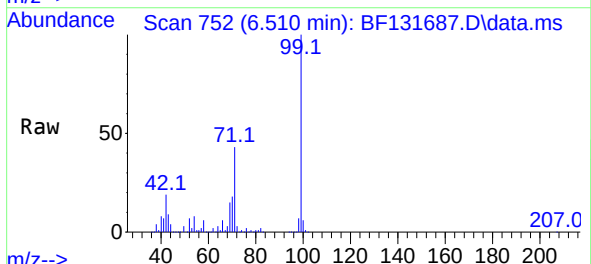
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

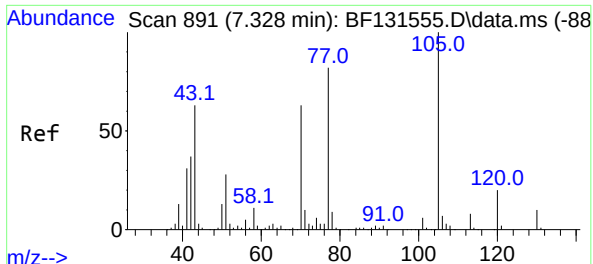
Tgt Ion:112 Resp: 671411
Ion Ratio Lower Upper
112 100
64 63.3 54.5 81.7
63 35.3 31.9 47.9



#7
Phenol-d6
Concen: 126.462 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion: 99 Resp: 804693
Ion Ratio Lower Upper
99 100
42 19.4 17.9 26.9
71 42.7 37.2 55.8



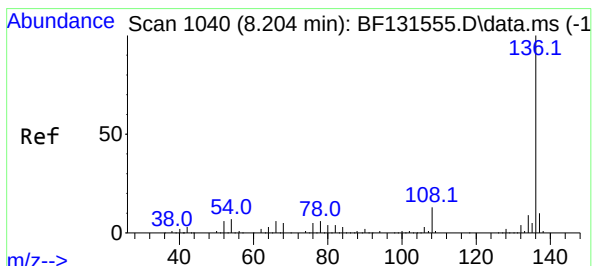
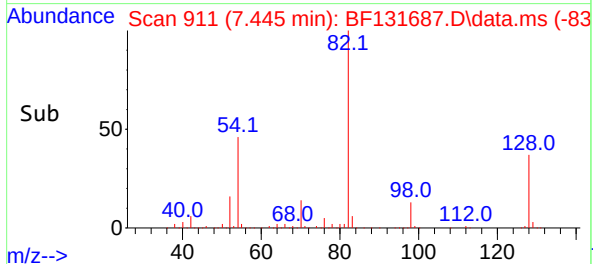
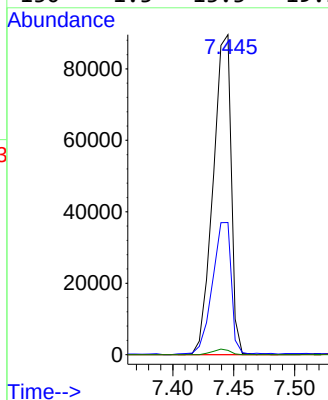
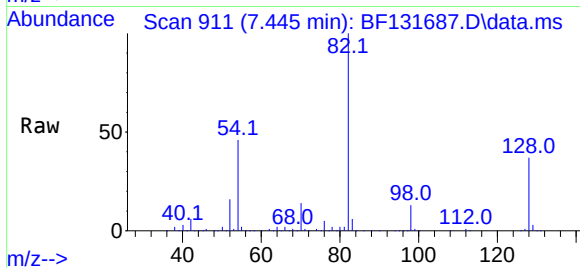


#19
n-Nitroso-di-n-propylamine
Concen: 19.438 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.153 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

Tgt Ion: 70 Resp: 92745

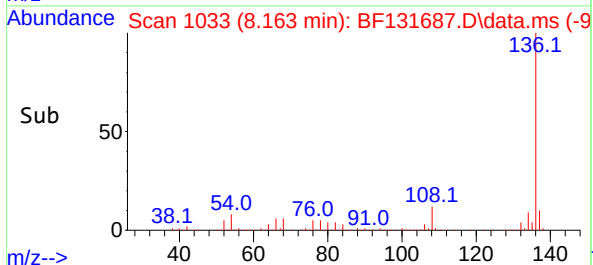
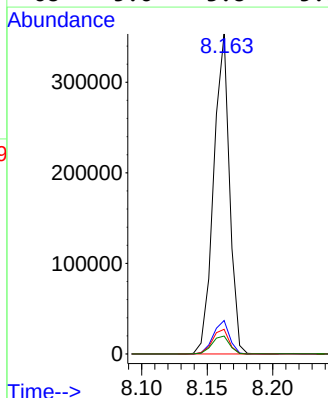
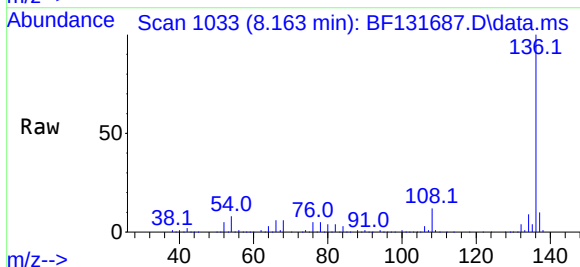
Ion	Ratio	Lower	Upper
70	100		
42	41.3	46.4	69.6#
101	0.0	7.2	10.8#
130	1.3	13.3	19.9#

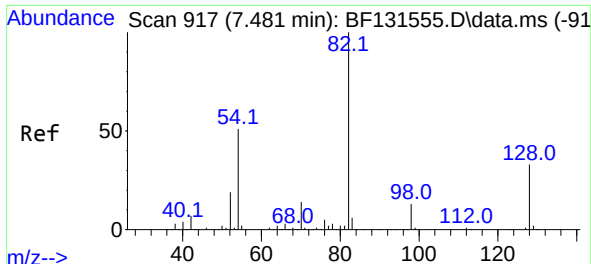


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion: 136 Resp: 297176

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.1	12.1
54	7.7	6.0	9.0
68	5.6	3.8	5.8

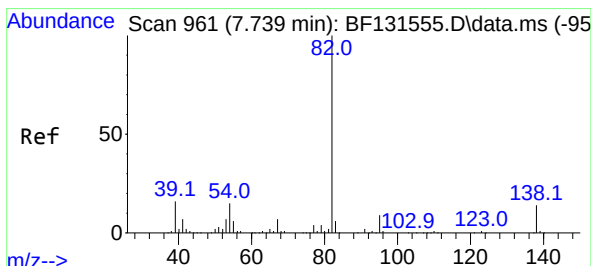
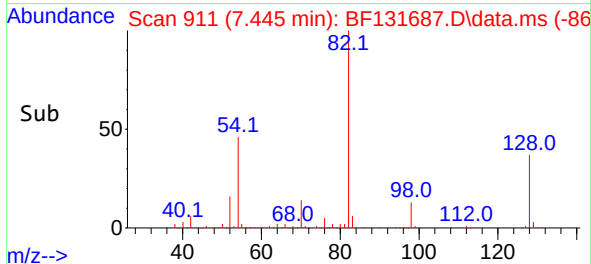
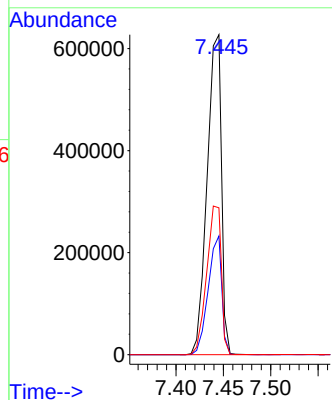
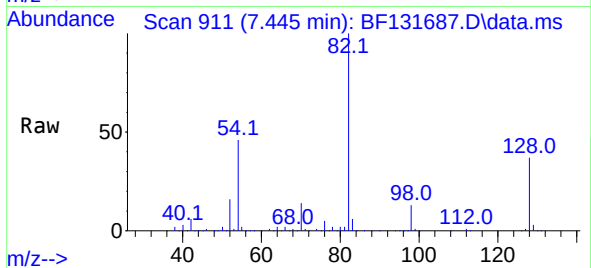




#23
Nitrobenzene-d5
Concen: 84.036 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

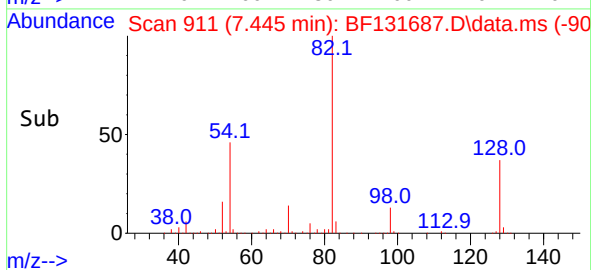
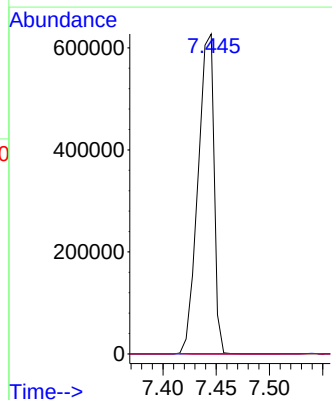
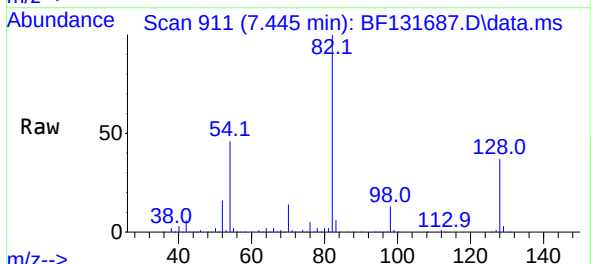
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

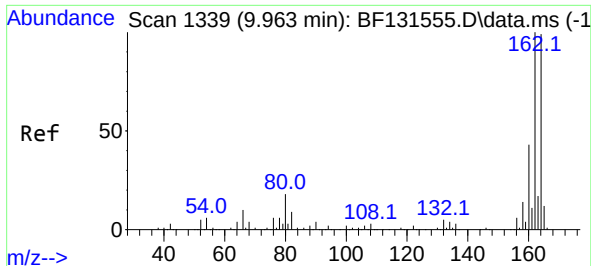
Tgt Ion: 82 Resp: 660555
Ion Ratio Lower Upper
82 100
128 37.1 26.1 39.1
54 45.9 40.6 60.8



#25
Isophorone
Concen: 52.015 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion: 82 Resp: 658565
Ion Ratio Lower Upper
82 100
95 0.0 6.9 10.3#
138 0.0 11.4 17.0#

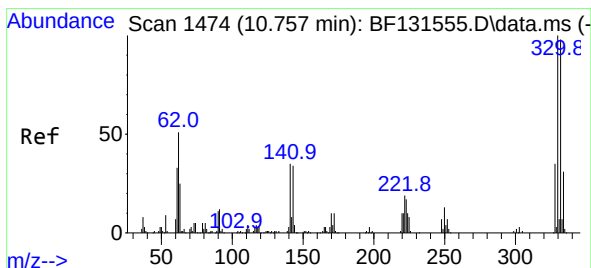
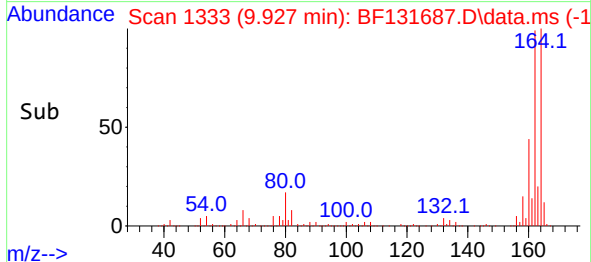
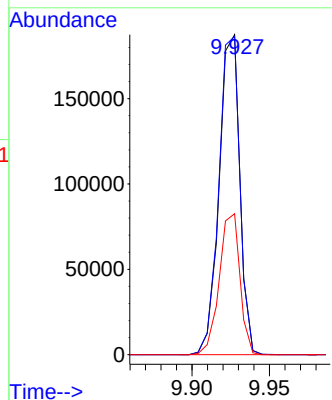
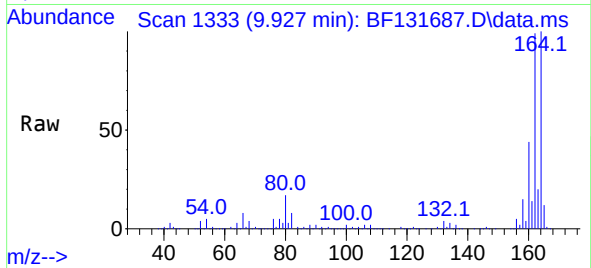




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

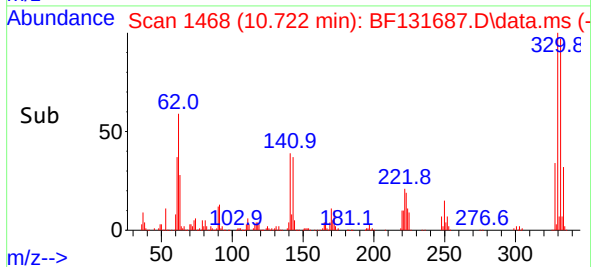
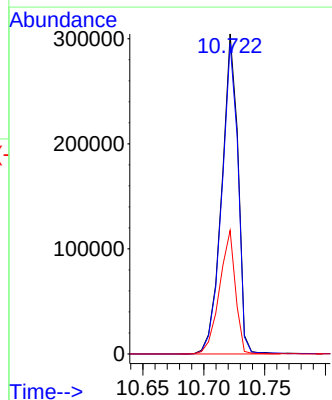
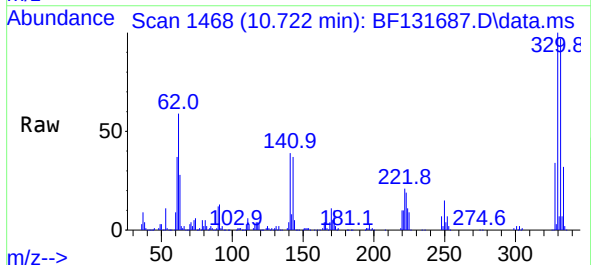
Instrument :
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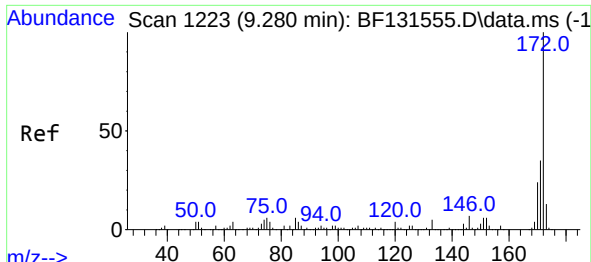
Tgt Ion:164 Resp: 173616
Ion Ratio Lower Upper
164 100
162 99.5 81.0 121.6
160 44.0 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 147.351 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion:330 Resp: 284230
Ion Ratio Lower Upper
330 100
332 96.5 78.3 117.5
141 37.8 32.6 49.0





#45

2-Fluorobiphenyl

Concen: 83.693 ng

RT: 9.245 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF131687.D

Acq: 19 Dec 2022 14:13

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214

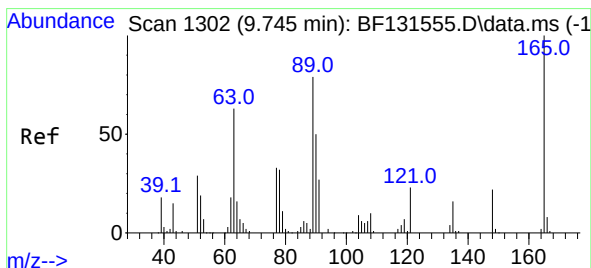
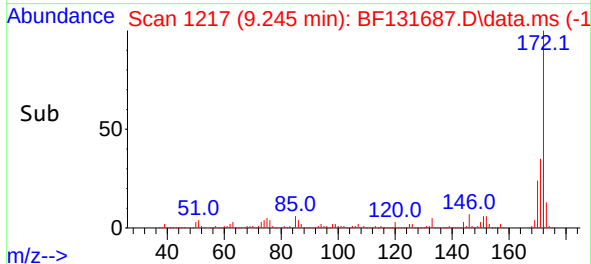
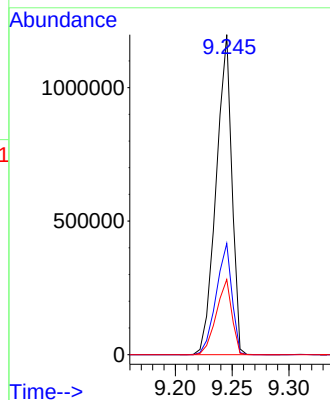
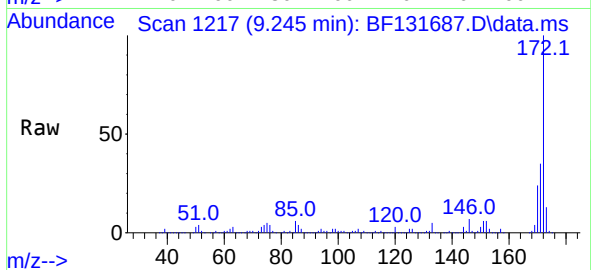
Tgt Ion:172 Resp: 1152406

Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.5 19.3 28.9



#51

2,6-Dinitrotoluene

Concen: 8.238 ng

RT: 9.922 min Scan# 1332

Delta R.T. 0.212 min

Lab File: BF131687.D

Acq: 19 Dec 2022 14:13

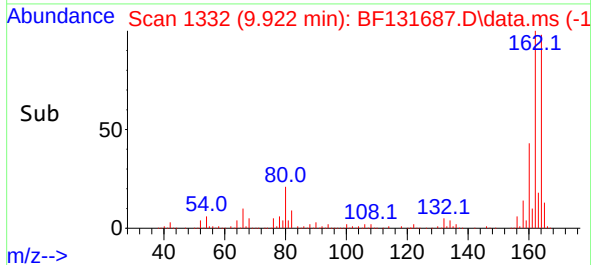
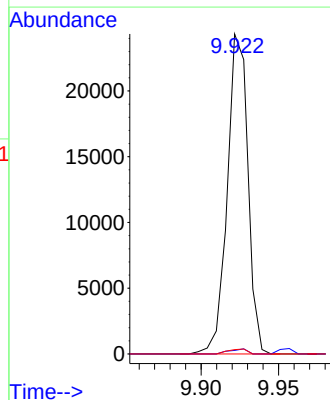
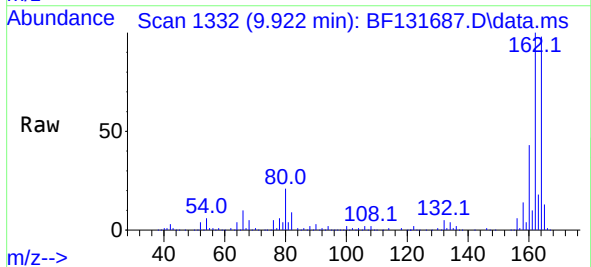
Tgt Ion:165 Resp: 22510

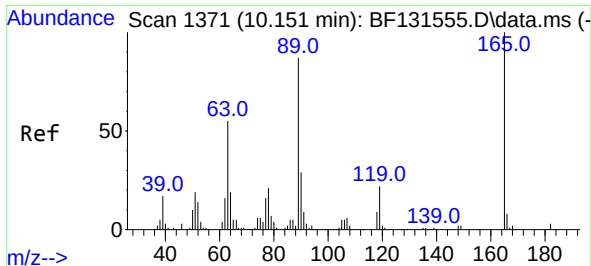
Ion Ratio Lower Upper

165 100

63 1.1 67.9 101.9#

89 1.4 63.2 94.8#



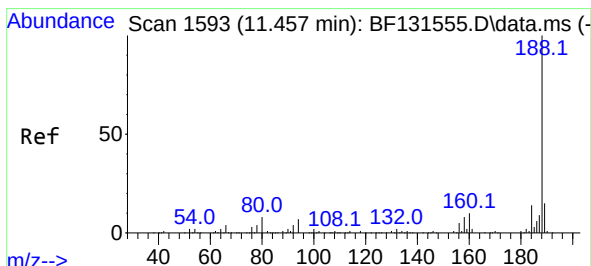
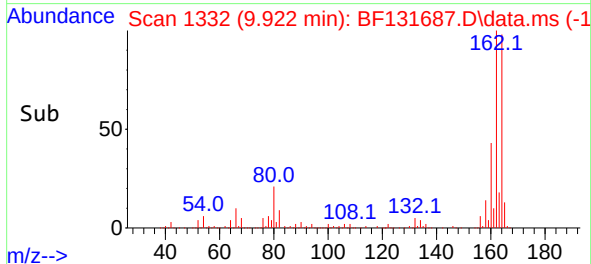
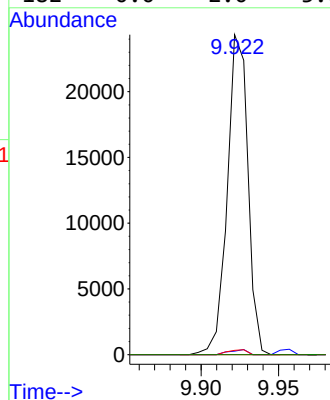
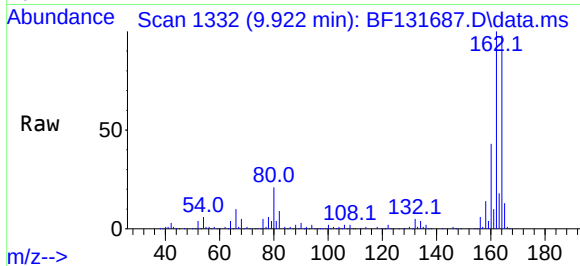


#57
2,4-Dinitrotoluene
Concen: 6.211 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

Tgt Ion:165 Resp: 22510

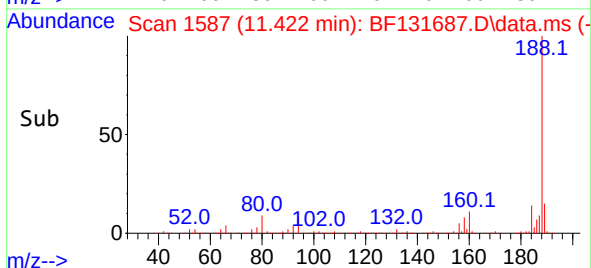
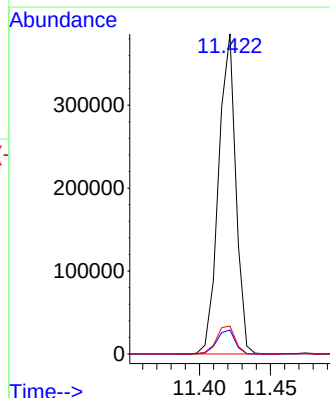
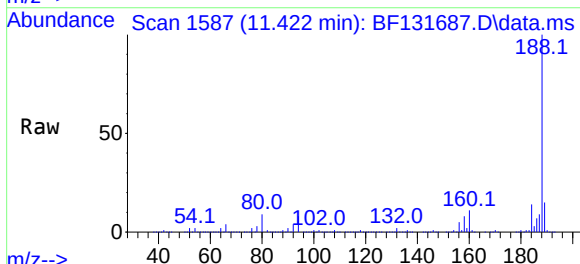
Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.4	66.6#
89	1.4	69.6	104.4#
182	0.0	2.0	3.0#

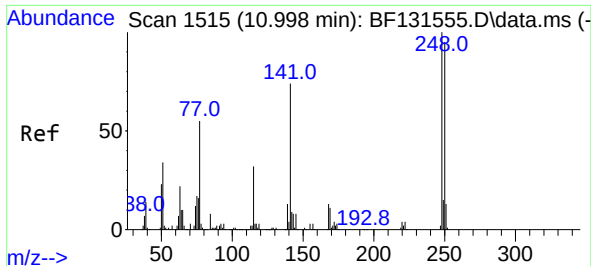


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion:188 Resp: 326227

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.5	8.3
80	8.8	6.6	10.0

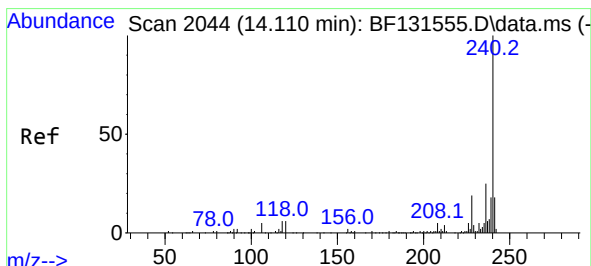
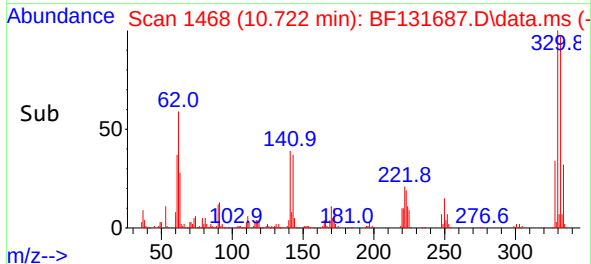
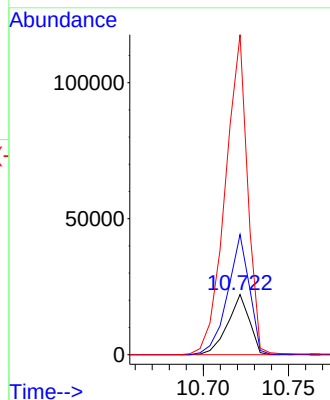
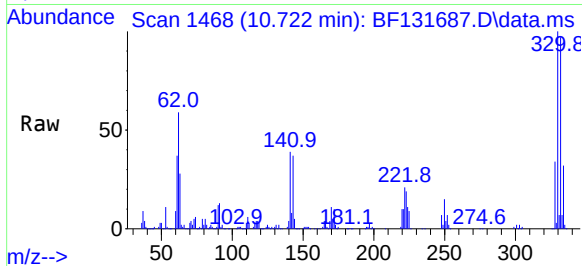




#67
4-Bromophenyl-phenylether
Concen: 4.679 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

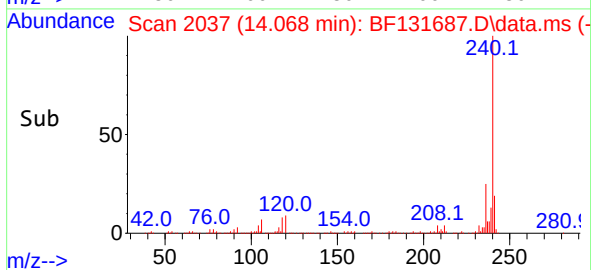
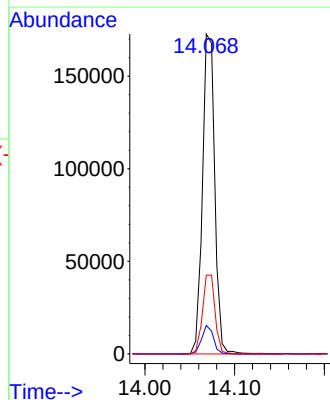
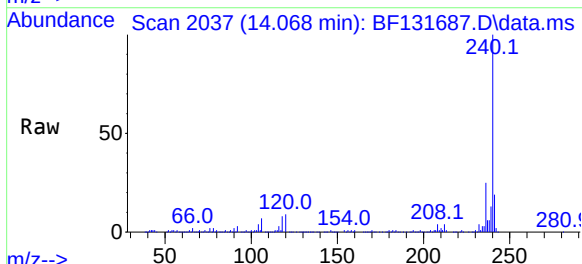
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

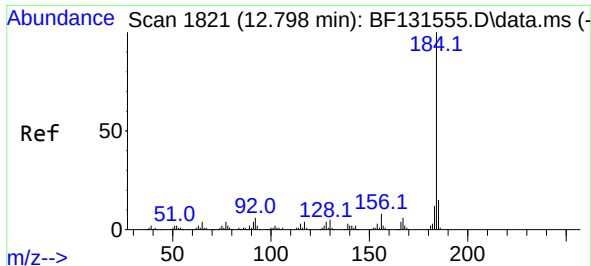
Tgt Ion:248 Resp: 19636
Ion Ratio Lower Upper
248 100
250 199.7 76.2 114.2#
141 532.1 59.5 89.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion:240 Resp: 164480
Ion Ratio Lower Upper
240 100
120 8.9 4.6 7.0#
236 24.6 20.2 30.2

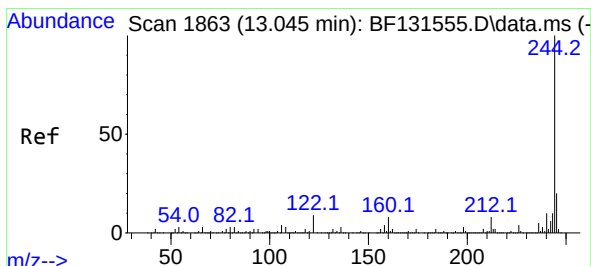
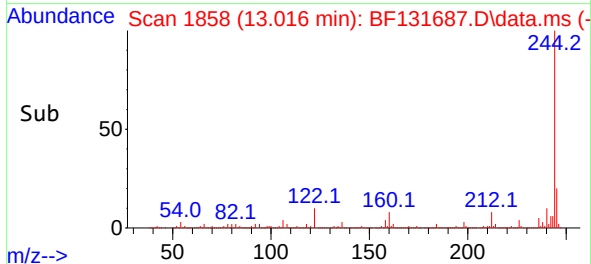
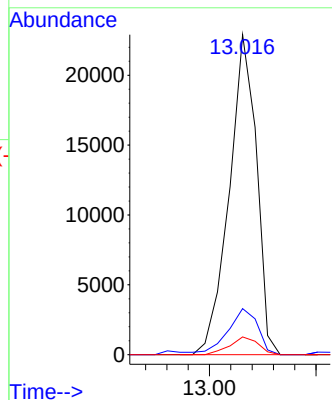
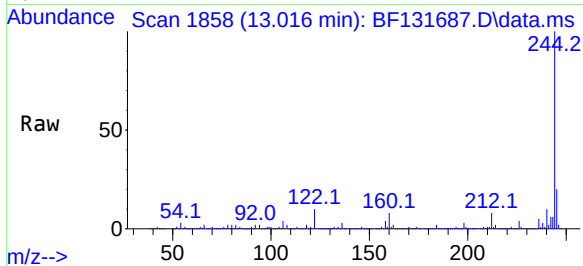




#77
Benzidine
Concen: 4.638 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.253 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

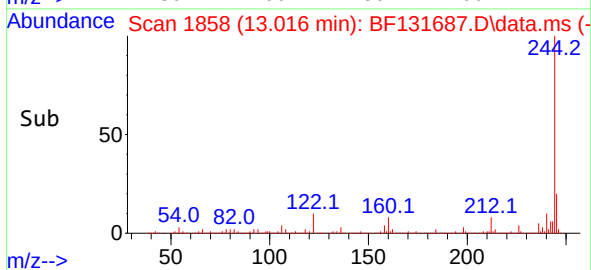
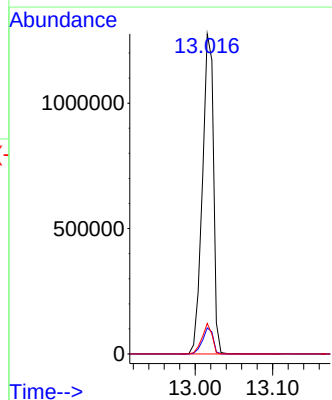
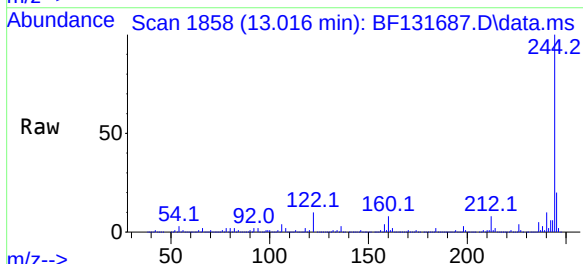
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

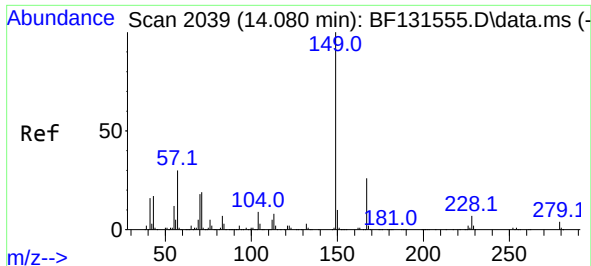
Tgt Ion:184 Resp: 20439
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.2
183 5.5 9.3 13.9#



#79
Terphenyl-d14
Concen: 105.502 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

Tgt Ion:244 Resp: 1265346
Ion Ratio Lower Upper
244 100
212 8.2 6.5 9.7
122 9.6 7.1 10.7

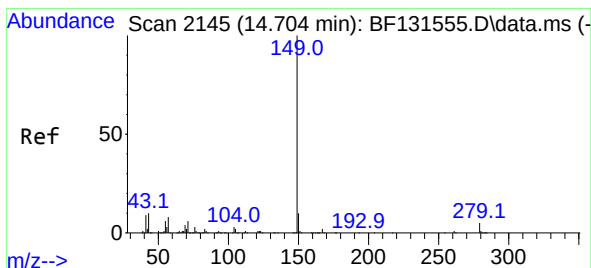
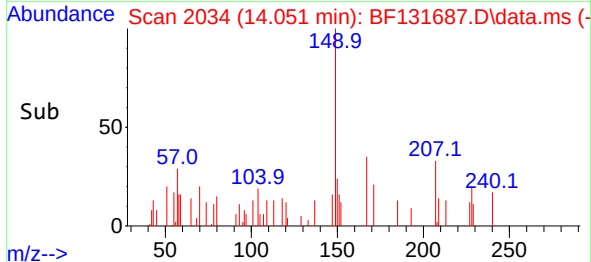
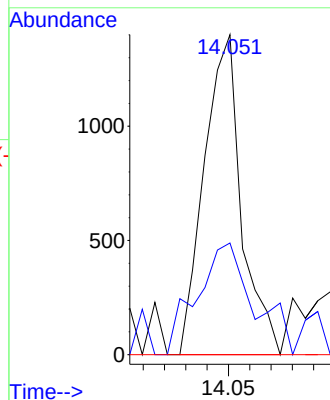
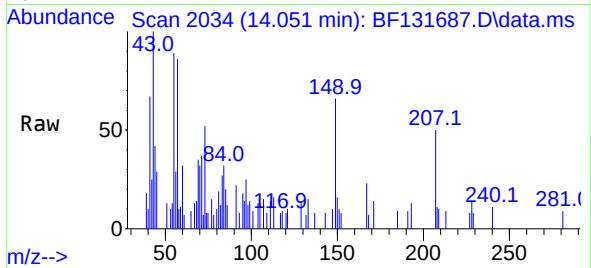




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.281 ng
RT: 14.051 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

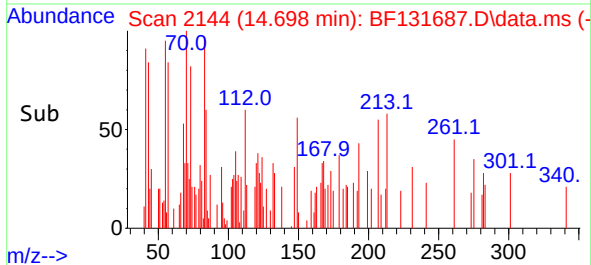
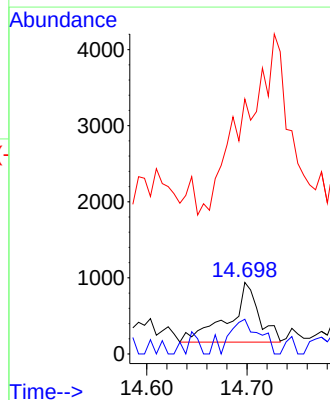
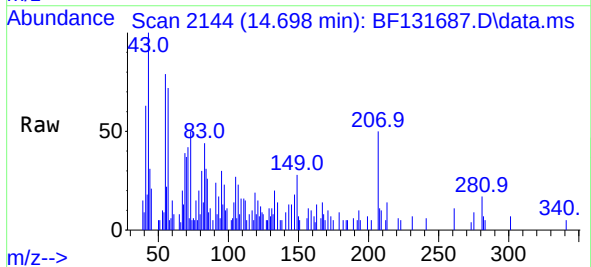
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214

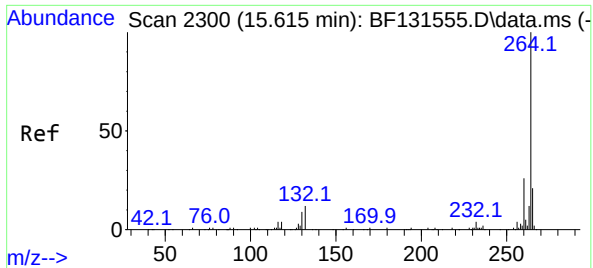
Tgt Ion:149 Resp: 1701
Ion Ratio Lower Upper
149 100
167 34.9 20.8 31.2#
279 0.0 3.3 4.9#



#85
Di-n-octyl phthalate
Concen: 5.360 ng
RT: 14.698 min Scan# 2144
Delta R.T. 0.029 min
Lab File: BF131687.D
Acq: 19 Dec 2022 14:13

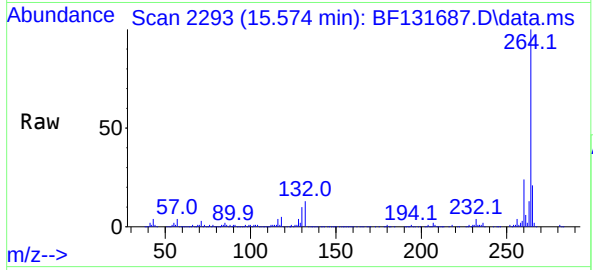
Tgt Ion:149 Resp: 1658
Ion Ratio Lower Upper
149 100
167 59.1 1.2 1.8#
43 0.0 8.6 13.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF131687.D
 Acq: 19 Dec 2022 14:13

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214



Tgt Ion:264 Resp: 164484

Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.6	30.8
265	21.3	16.8	25.2

