

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143121.D
 Acq On : 16 Jul 2025 21:39
 Operator : RC/JU
 Sample : Q2592-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20250711

Quant Time: Jul 17 03:45:45 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)

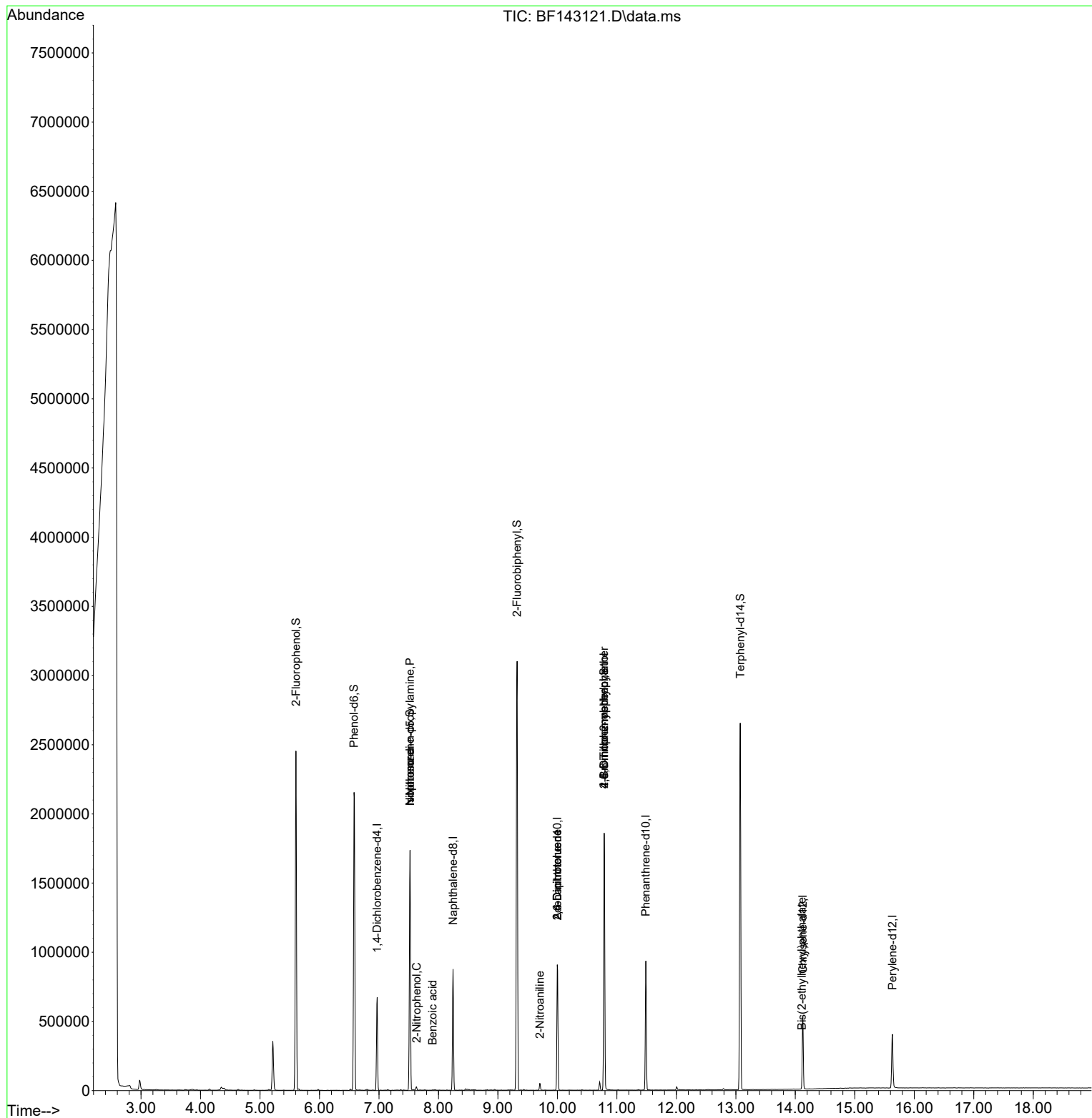
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	137278	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	517786	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	265739	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	451811	20.000	ng	0.00
76) Chrysene-d12	14.127	240	249471	20.000	ng	0.00
86) Perylene-d12	15.633	264	227071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	892422	102.709	ng	0.02
7) Phenol-d6	6.581	99	1049480	96.090	ng	0.00
23) Nitrobenzene-d5	7.522	82	748497	81.094	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	322134	135.952	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1394625	69.762	ng	0.00
79) Terphenyl-d14	13.075	244	1268948	74.356	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	100705	15.050	ng	# 80
25) Isophorone	7.522	82	746856	41.863	ng	# 65
26) 2-Nitrophenol	7.634	139	151	3.969	ng	# 32
32) Benzoic acid	7.904	122	881	6.705	ng	93
48) 2-Nitroaniline	9.704	65	314	3.239	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	34581	12.654	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	34581	11.188	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	627	5.852	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19930	3.879	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.110	149	606	3.491	ng	# 53

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

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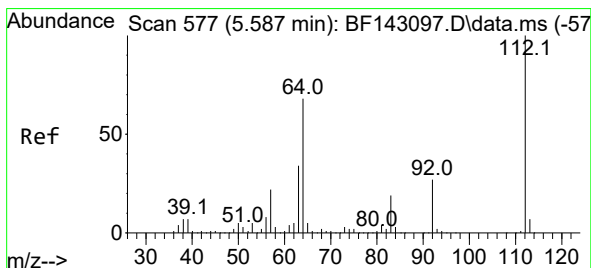
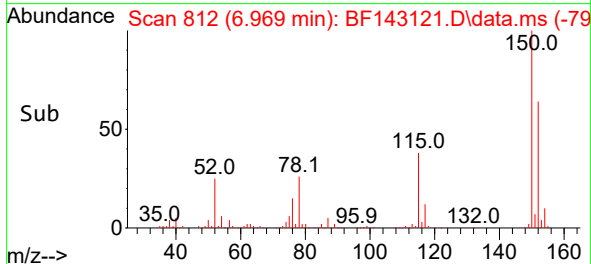
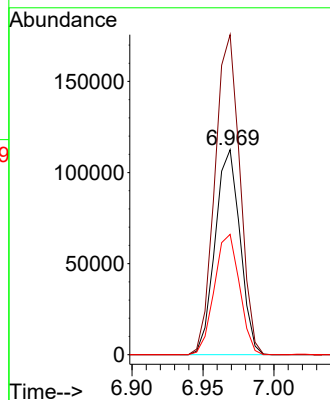
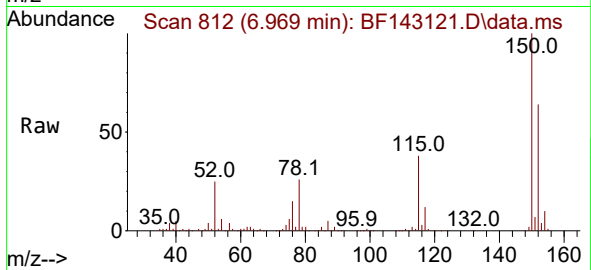




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

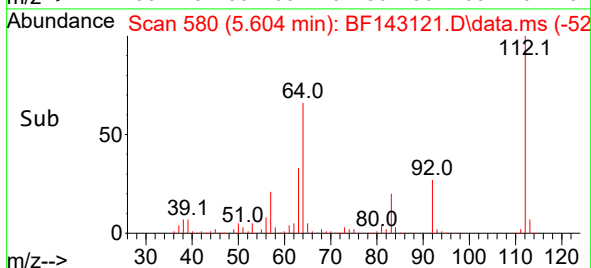
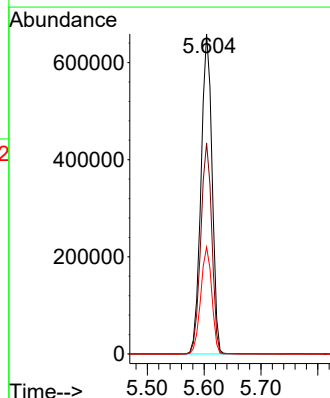
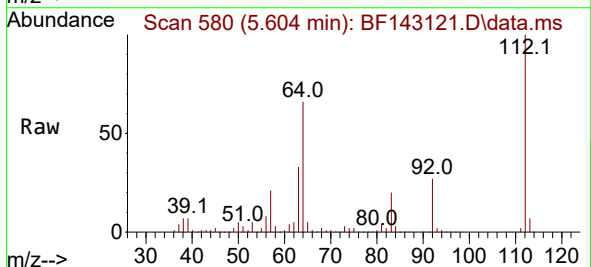
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

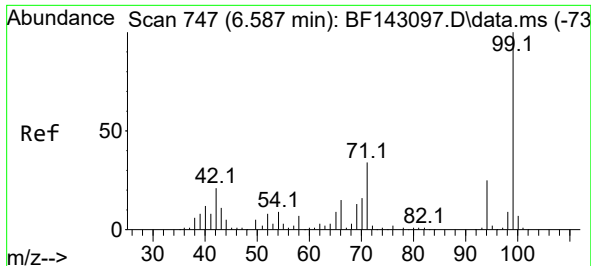
Tgt Ion:152 Resp: 137278
Ion Ratio Lower Upper
152 100
150 156.1 126.5 189.7
115 58.7 47.0 70.6



#5
2-Fluorophenol
Concen: 102.709 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:112 Resp: 892422
Ion Ratio Lower Upper
112 100
64 66.0 54.6 82.0
63 33.4 27.3 40.9

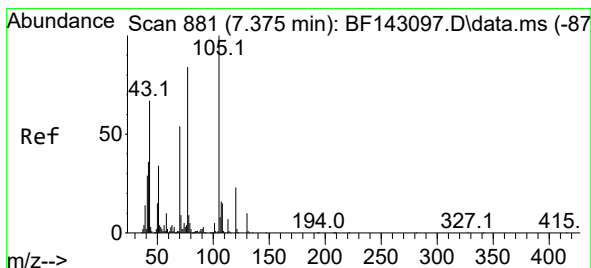
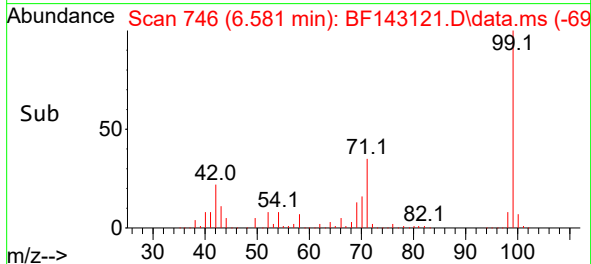
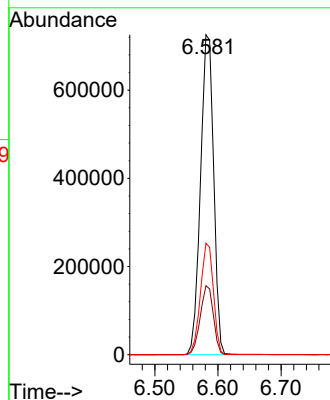
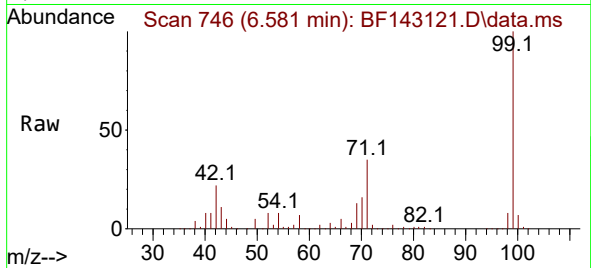




#7
Phenol-d6
Concen: 96.090 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

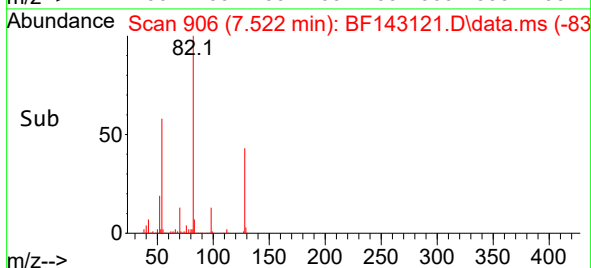
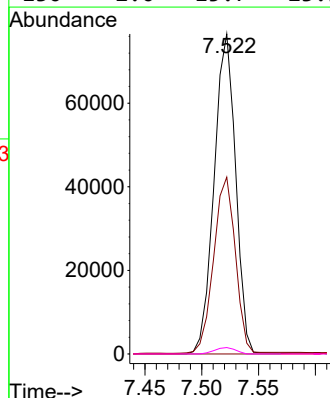
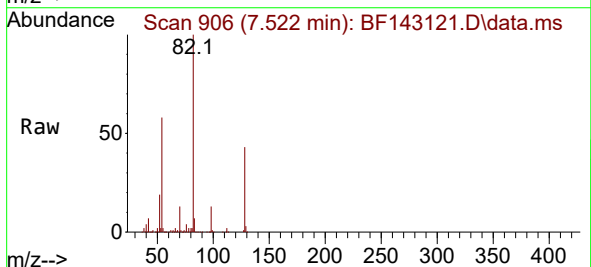
Instrument :
BNA_F
ClientSampleId :
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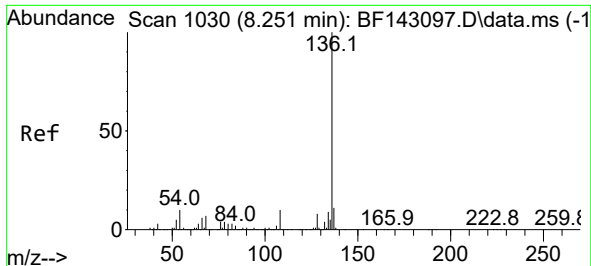
Tgt Ion: 99 Resp: 1049480
Ion Ratio Lower Upper
99 100
42 21.6 17.2 25.8
71 34.8 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.050 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion: 70 Resp: 100705
Ion Ratio Lower Upper
70 100
42 55.3 53.2 79.8
101 0.0 7.5 11.3#
130 2.0 15.7 23.5#



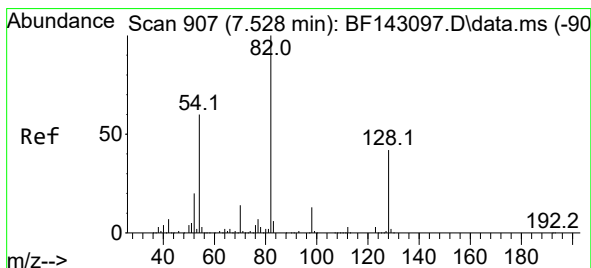
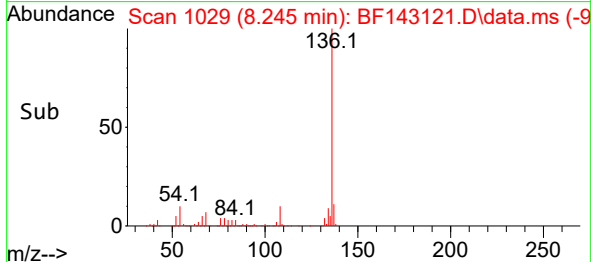
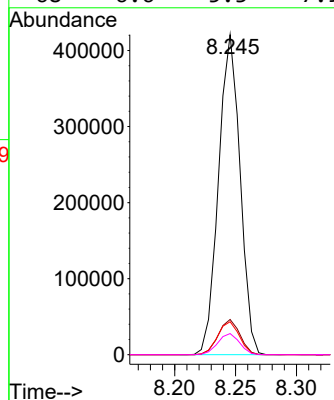
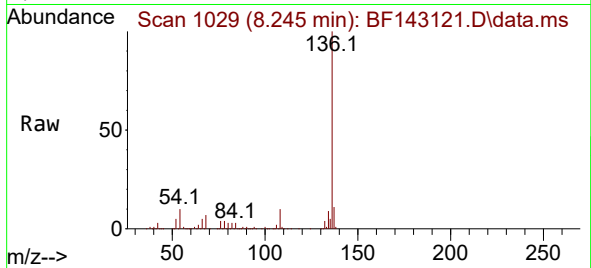


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

Tgt Ion:136 Resp: 517786

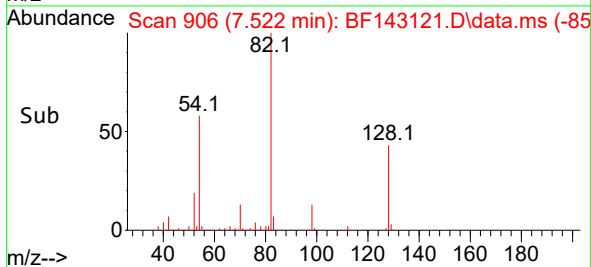
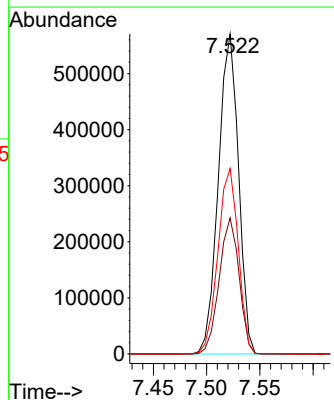
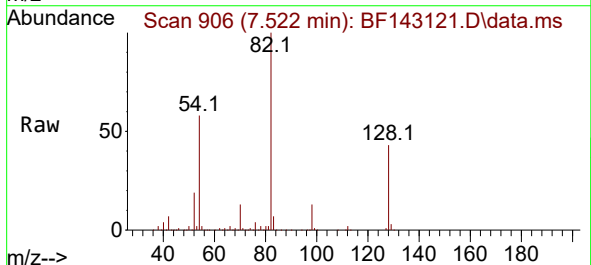
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.3	8.3	12.5
68	6.6	5.3	7.9

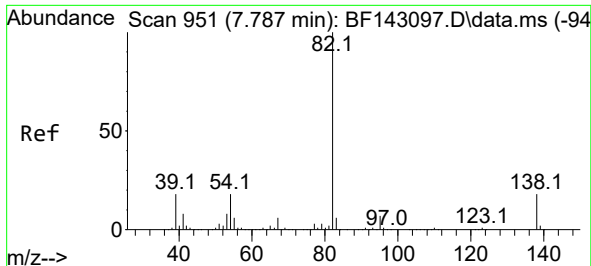


#23
Nitrobenzene-d5
Concen: 81.094 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion: 82 Resp: 748497

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	58.0	47.4	71.2

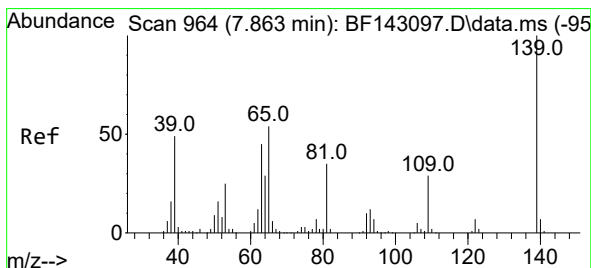
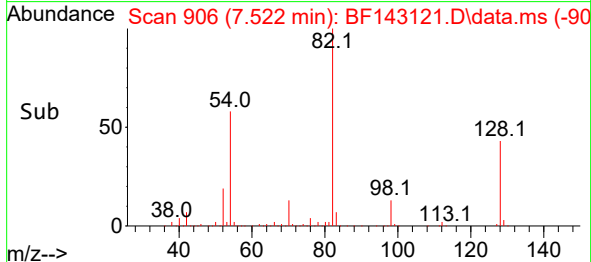
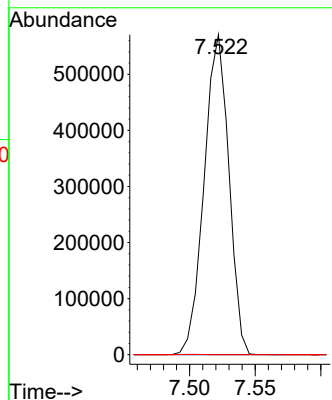
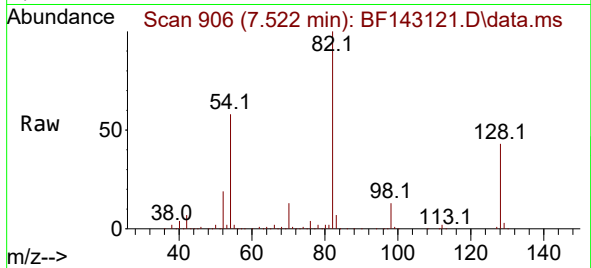




#25
Isophorone
Concen: 41.863 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

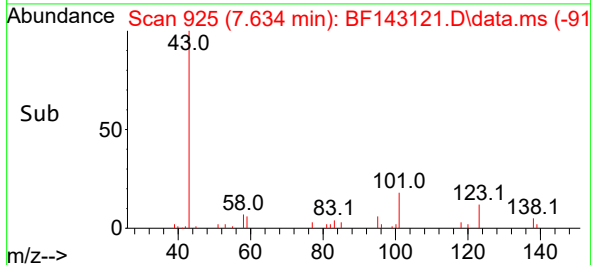
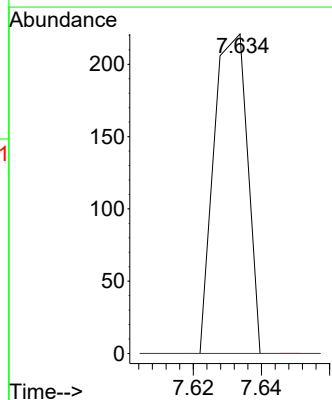
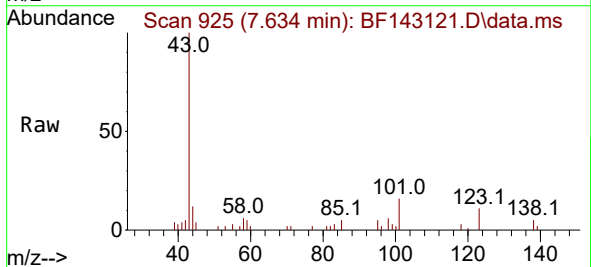
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

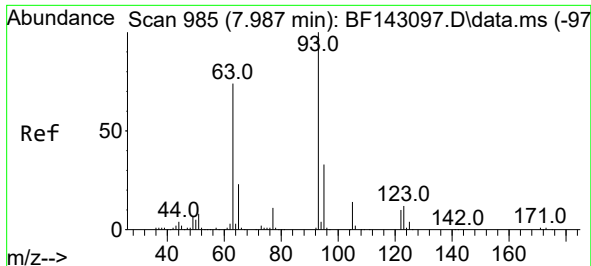
Tgt Ion: 82 Resp: 746856
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#26
2-Nitrophenol
Concen: 3.969 ng
RT: 7.634 min Scan# 925
Delta R.T. -0.229 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:139 Resp: 151
Ion Ratio Lower Upper
139 100
109 0.0 23.4 35.0#
65 0.0 43.4 65.2#

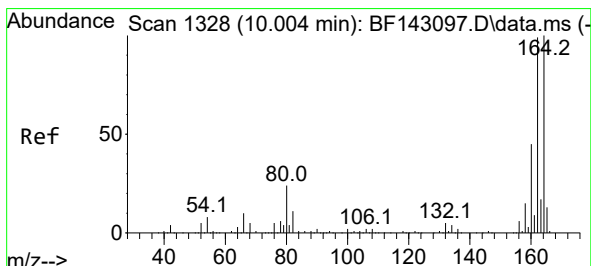
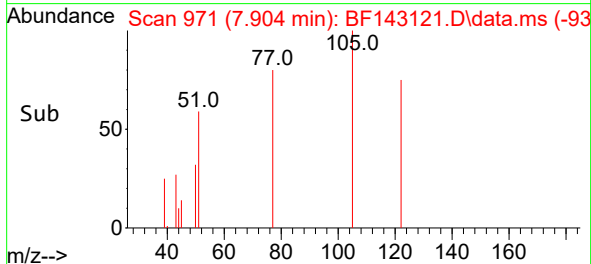
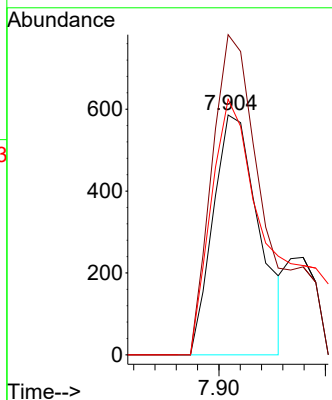
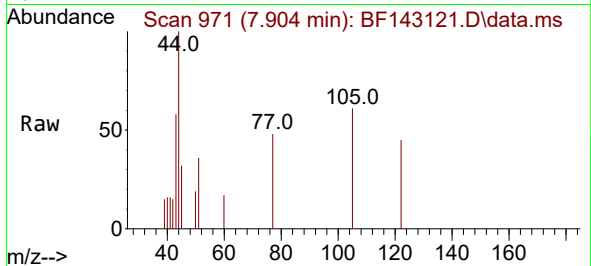




#32
Benzoic acid
Concen: 6.705 ng
RT: 7.904 min Scan# 91
Delta R.T. -0.083 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

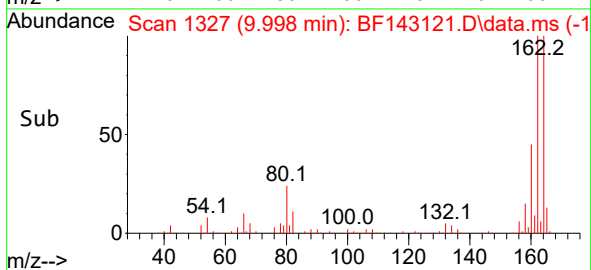
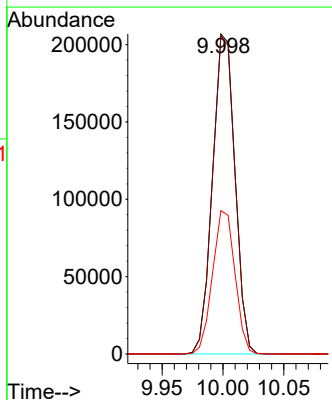
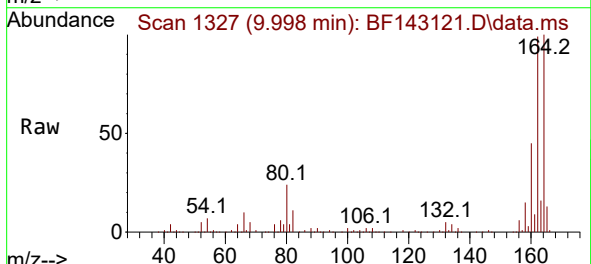
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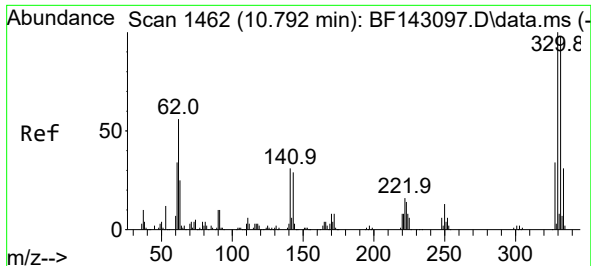
Tgt Ion:122 Resp: 881
Ion Ratio Lower Upper
122 100
105 133.4 105.4 145.4
77 106.5 78.6 118.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

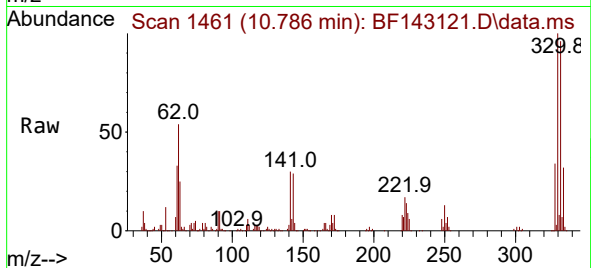
Tgt Ion:164 Resp: 265739
Ion Ratio Lower Upper
164 100
162 99.4 79.0 118.6
160 44.8 35.8 53.6



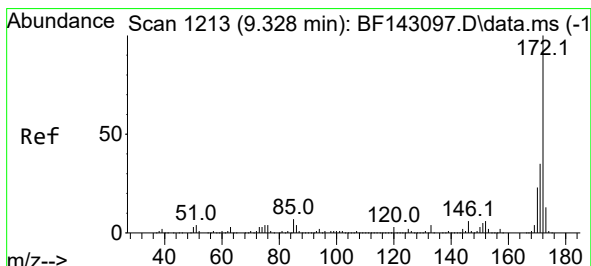
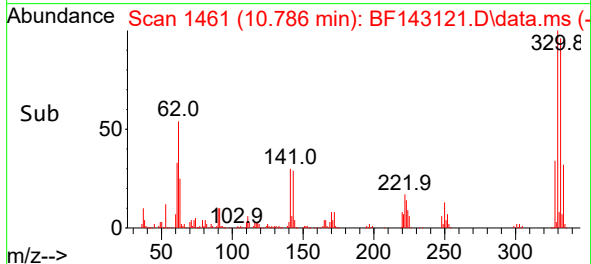
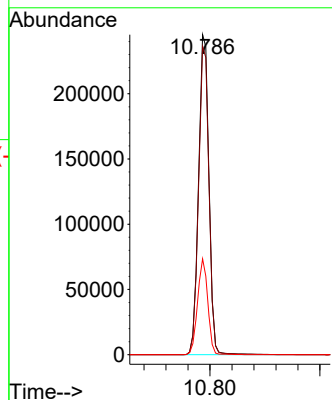


#42
2,4,6-Tribromophenol
Concen: 135.952 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

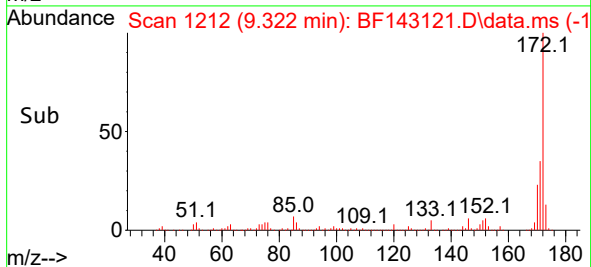
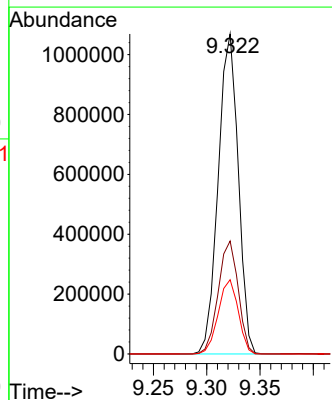
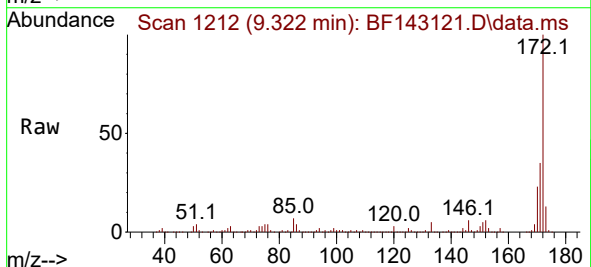


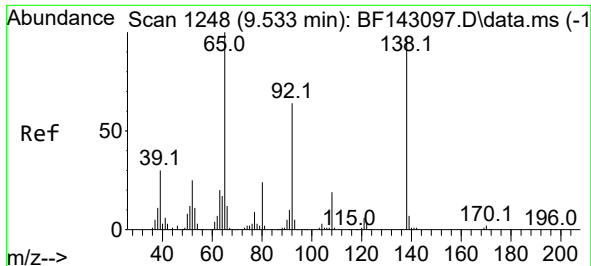
Tgt Ion:330 Resp: 322134
Ion Ratio Lower Upper
330 100
332 96.5 77.9 116.9
141 29.4 25.9 38.9



#45
2-Fluorobiphenyl
Concen: 69.762 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:172 Resp: 1394625
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.2 18.6 28.0

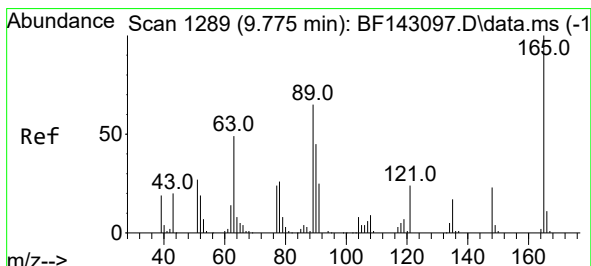
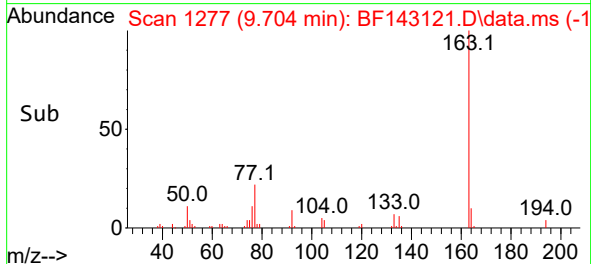
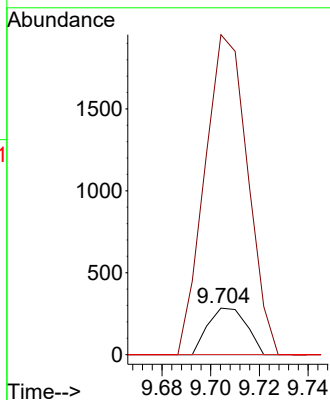
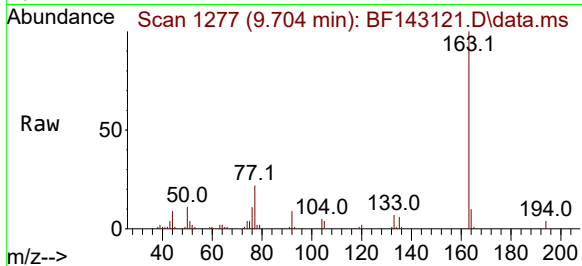




#48
2-Nitroaniline
Concen: 3.239 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.171 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

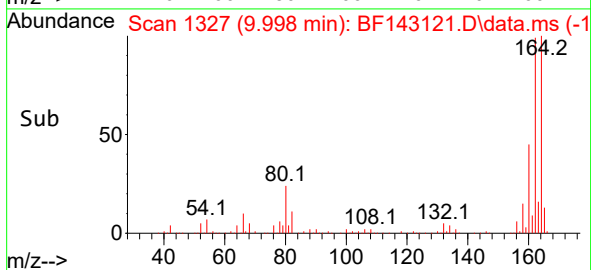
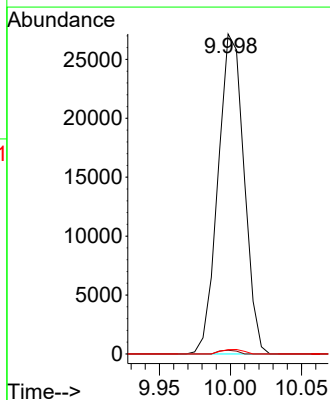
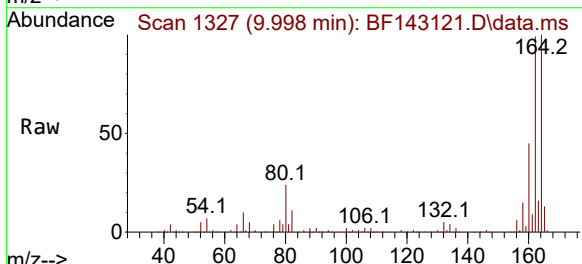
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

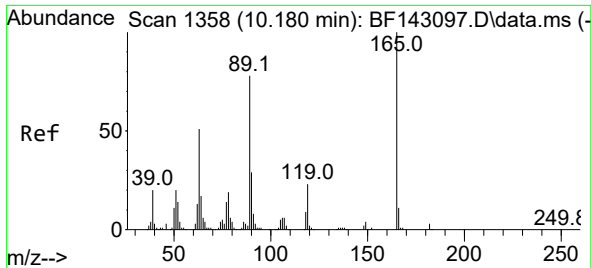
Tgt Ion: 65 Resp: 314
Ion Ratio Lower Upper
65 100
92 687.7 51.3 76.9#
138 0.0 77.8 116.6#



#51
2,6-Dinitrotoluene
Concen: 12.654 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion: 165 Resp: 34581
Ion Ratio Lower Upper
165 100
63 1.1 57.4 86.0#
89 1.4 51.8 77.8#

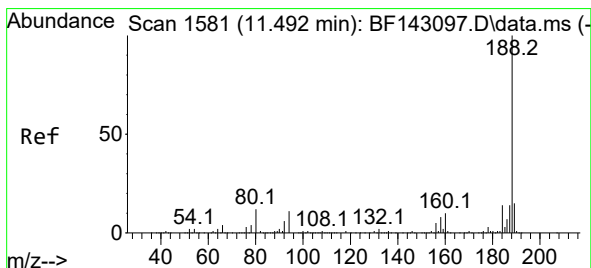
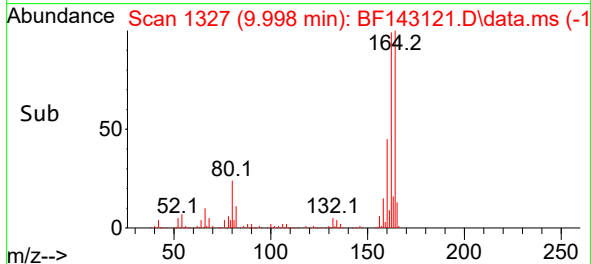
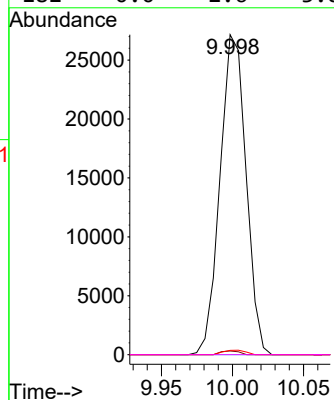
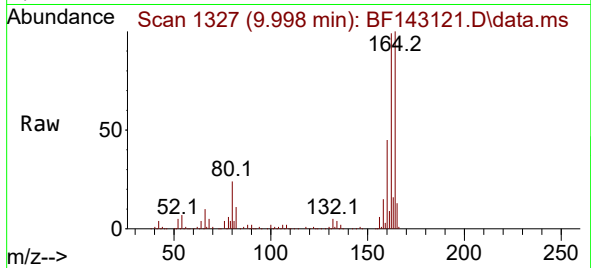




#57
2,4-Dinitrotoluene
Concen: 11.188 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

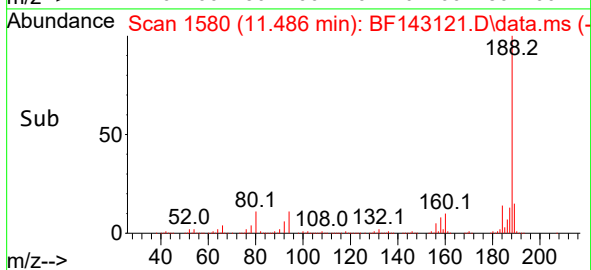
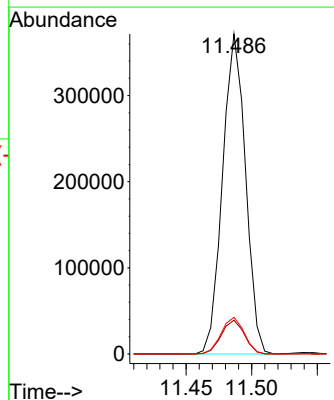
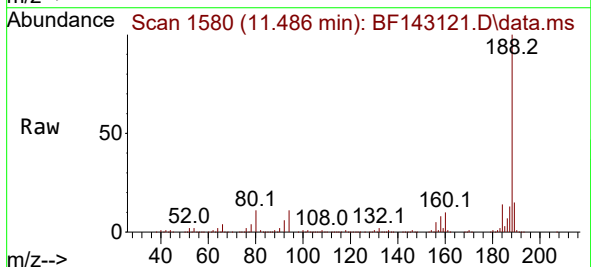
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

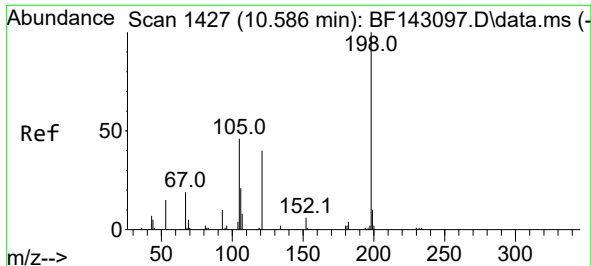
Tgt Ion:165 Resp: 34581
Ion Ratio Lower Upper
165 100
63 1.1 40.6 61.0#
89 1.4 62.3 93.5#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:188 Resp: 451811
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.5 9.3 13.9

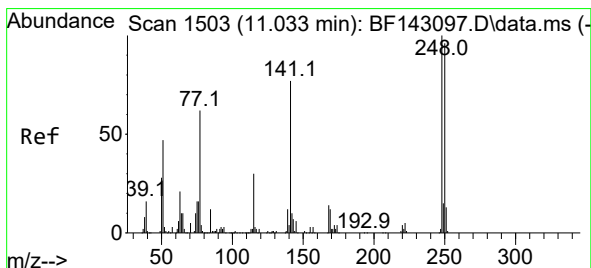
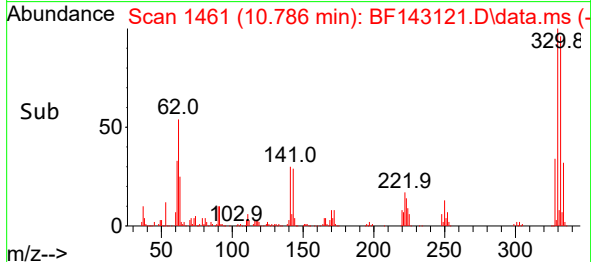
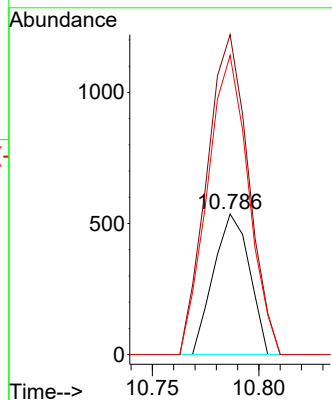
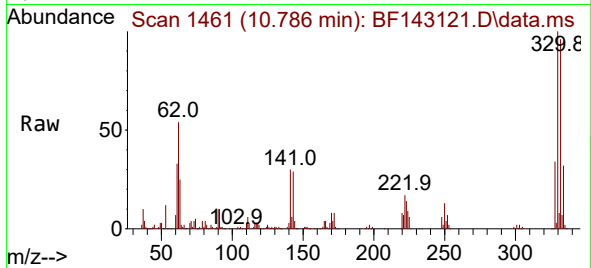




#65
4,6-Dinitro-2-methylphenol
Concen: 5.852 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

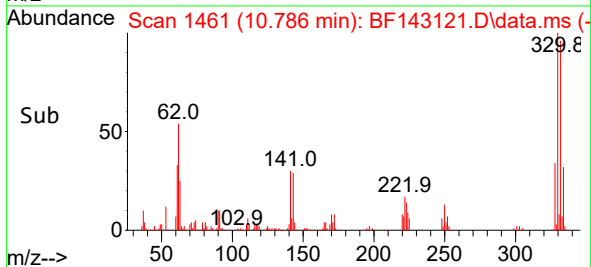
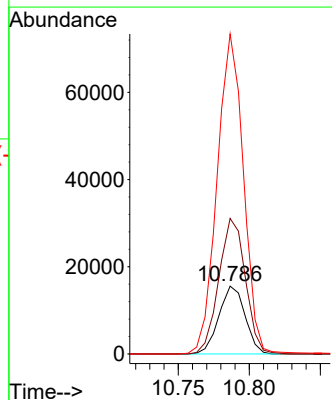
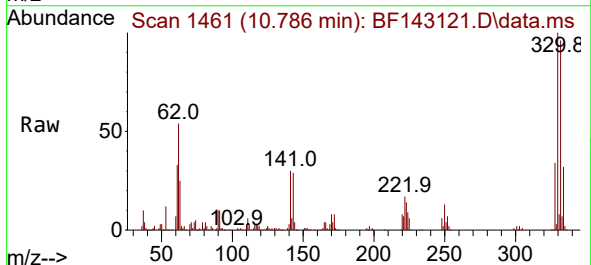
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

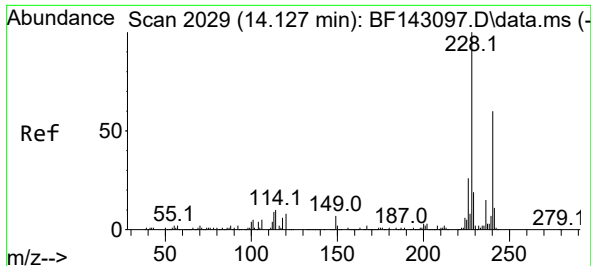
Tgt Ion:198 Resp: 627
Ion Ratio Lower Upper
198 100
51 227.6 44.6 84.6#
105 212.9 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 3.879 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:248 Resp: 19930
Ion Ratio Lower Upper
248 100
250 199.5 76.7 115.1#
141 471.1 61.7 92.5#

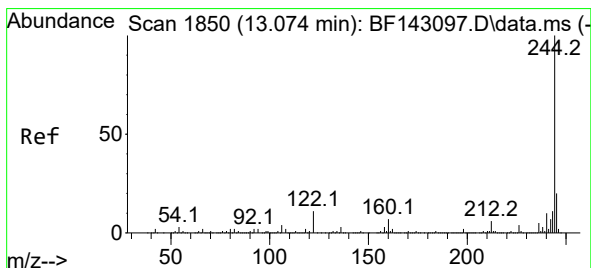
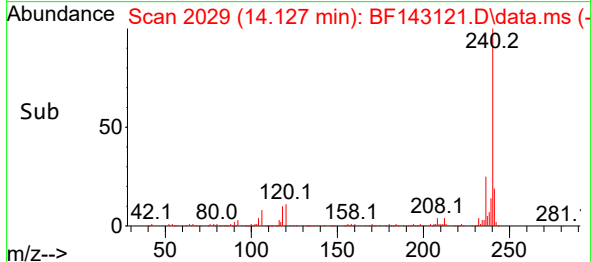
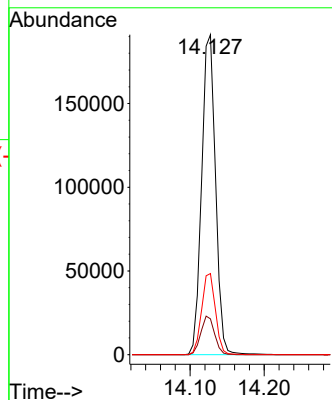
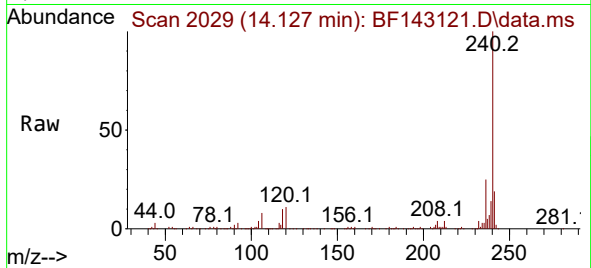




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

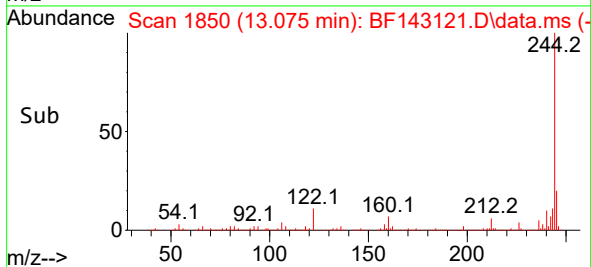
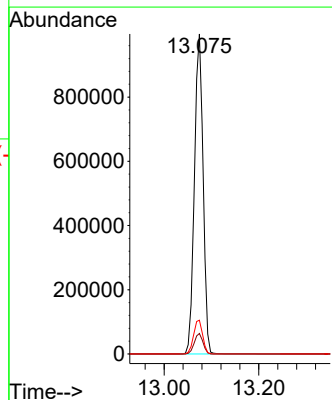
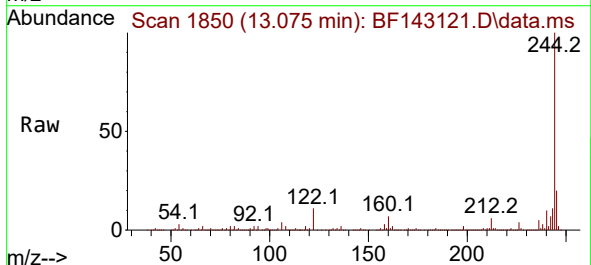
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

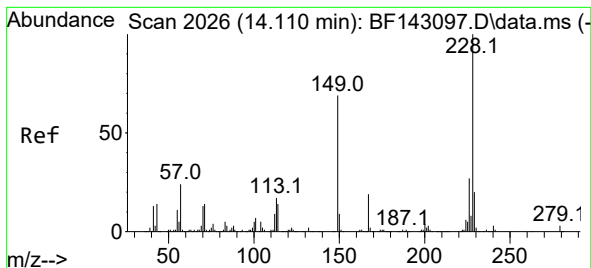
Tgt Ion:240 Resp: 249471
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.3 20.0 30.0



#79
Terphenyl-d14
Concen: 74.356 ng
RT: 13.075 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:244 Resp: 1268948
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 10.5 8.8 13.2

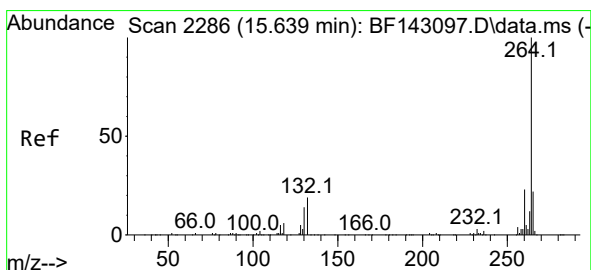
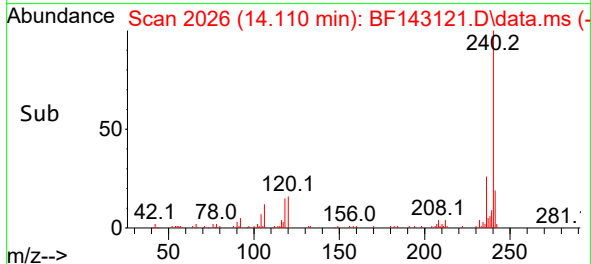
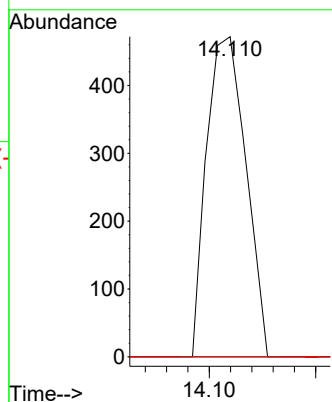
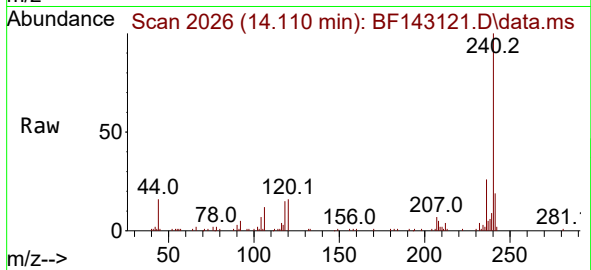




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.491 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711

Tgt Ion:149 Resp: 606
Ion Ratio Lower Upper
149 100
167 0.0 21.9 32.9#
279 0.0 3.4 5.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:264 Resp: 227071
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.1 17.5 26.3

