

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101625\
 Data File : BF143980.D
 Acq On : 16 Oct 2025 15:40
 Operator : RC/JU
 Sample : Q3345-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-R-SOIL

Quant Time: Oct 16 16:21:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

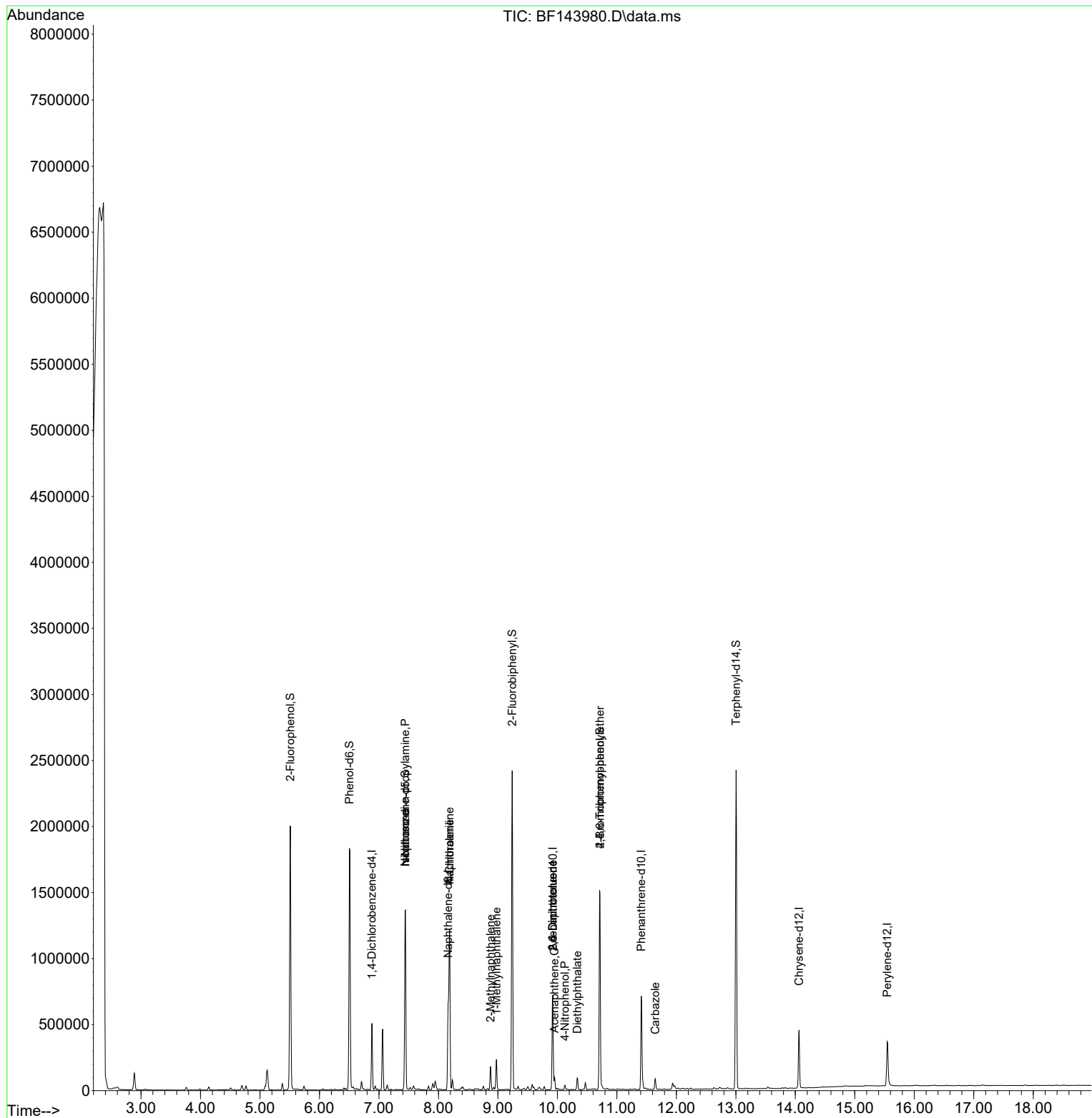
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	103829	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	390280	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	217679	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	378636	20.00	ng	0.00
76) Chrysene-d12	14.063	240	219096	20.00	ng	0.00
86) Perylene-d12	15.545	264	234984	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	790752	120.94	ng	0.01
7) Phenol-d6	6.504	99	876945	112.52	ng	-0.01
23) Nitrobenzene-d5	7.440	82	616690	96.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	319815	147.51	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1154932	84.19	ng	-0.01
79) Terphenyl-d14	13.004	244	1305435	101.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	90262	16.92	ng	Qvalue # 78
25) Isophorone	7.440	82	548698	40.51	ng	# 68
31) Naphthalene	8.187	128	737459	41.54	ng	100
33) 4-Chloroaniline	8.187	127	93324	14.02	ng	# 31
37) 2-Methylnaphthalene	8.875	142	66898	5.66	ng	98
38) 1-Methylnaphthalene	8.975	142	82790	7.22	ng	95
51) 2,6-Dinitrotoluene	9.922	165	28725	11.21	ng	# 27
52) Acenaphthene	9.951	154	26575	2.40	ng	98
56) 4-Nitrophenol	10.128	139	5615	2.36	ng	# 9
57) 2,4-Dinitrotoluene	9.922	165	28725	8.24	ng	# 27
60) Diethylphthalate	10.333	149	46739	3.64	ng	97
67) 4-Bromophenyl-phenylether	10.716	248	18287	4.37	ng	# 1
73) Carbazole	11.645	167	50357	3.07	ng	96

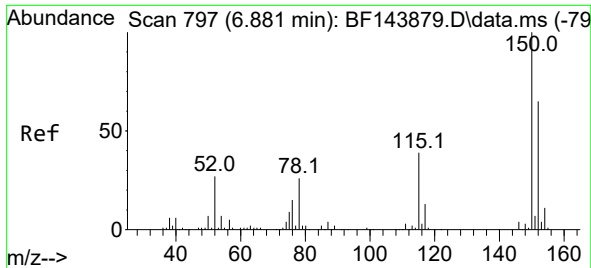
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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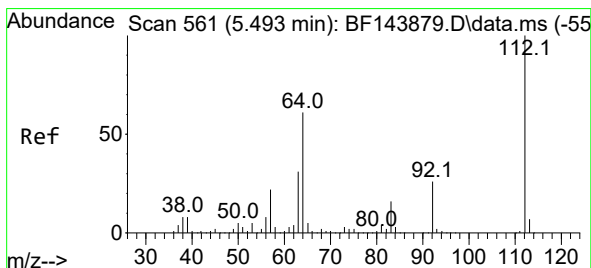
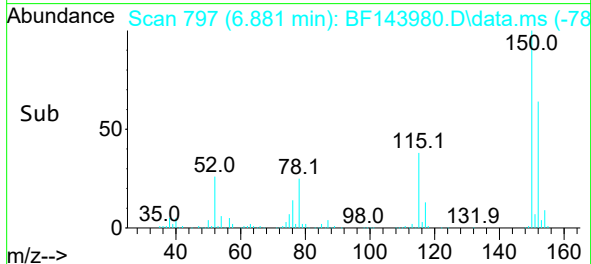
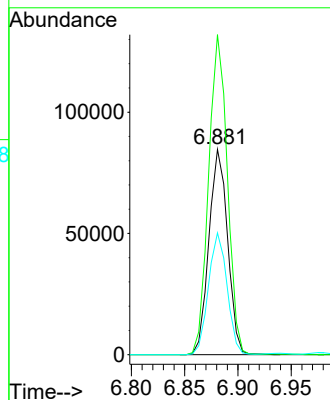
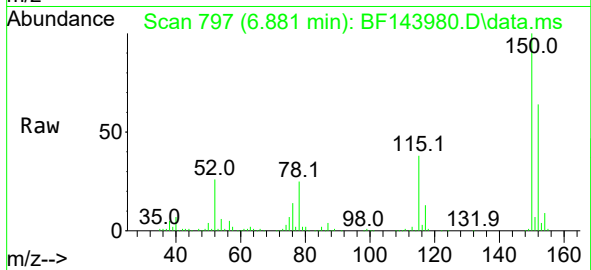




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

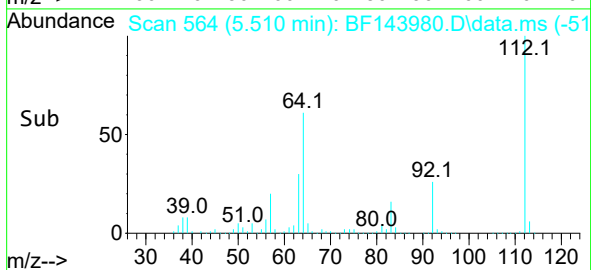
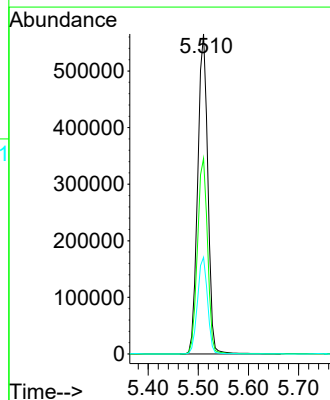
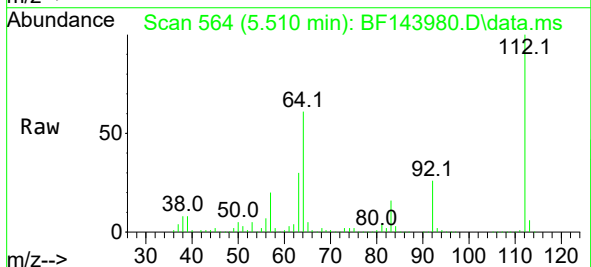
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

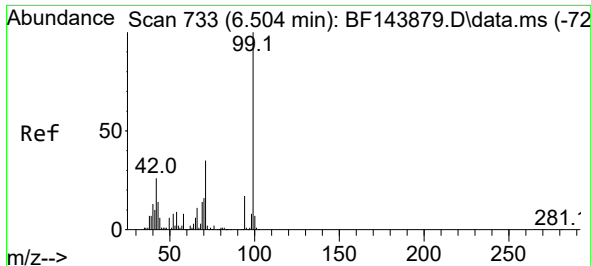
Tgt Ion:152 Resp: 103829
Ion Ratio Lower Upper
152 100
150 155.9 124.4 186.6
115 59.3 48.1 72.1



#5
2-Fluorophenol
Concen: 120.94 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion:112 Resp: 790752
Ion Ratio Lower Upper
112 100
64 61.1 49.1 73.7
63 30.2 24.5 36.7

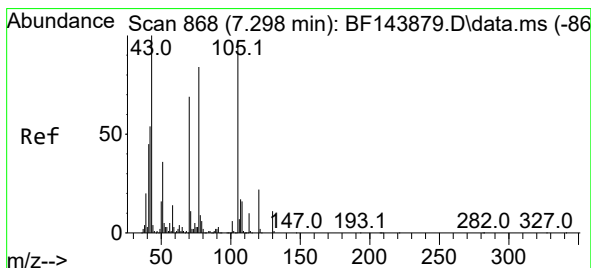
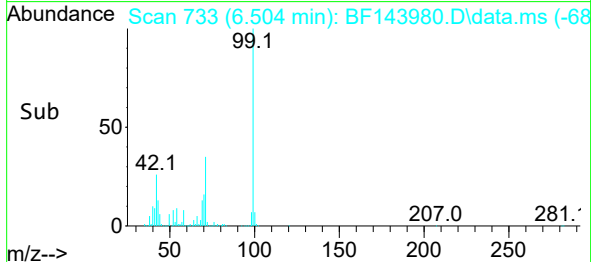
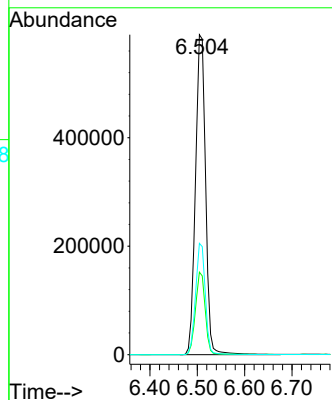
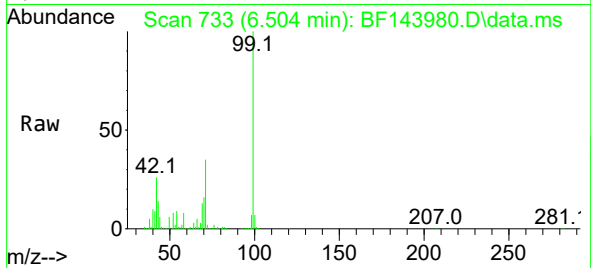




#7
Phenol-d6
Concen: 112.52 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

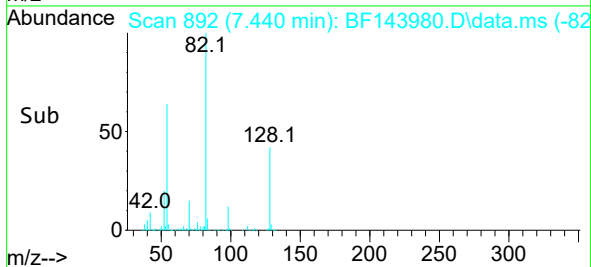
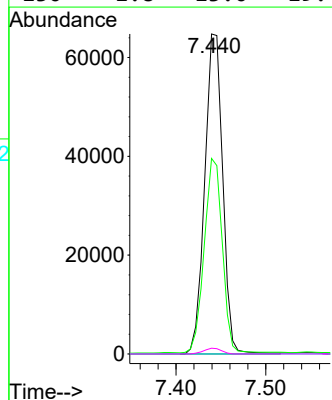
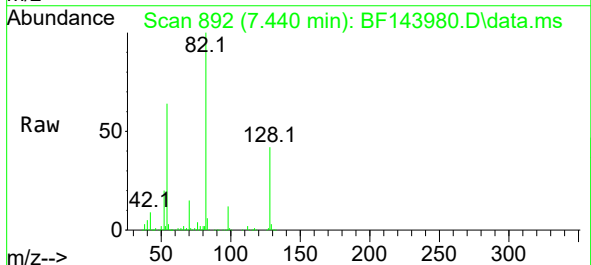
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

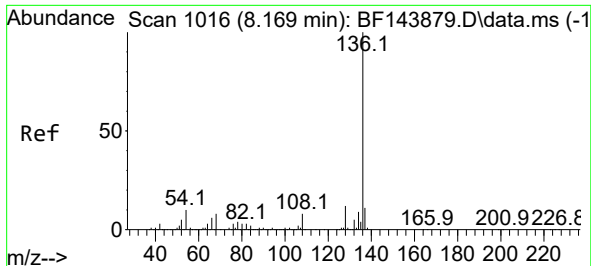
Tgt Ion: 99 Resp: 876945
Ion Ratio Lower Upper
99 100
42 25.8 21.0 31.4
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.92 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion: 70 Resp: 90262
Ion Ratio Lower Upper
70 100
42 61.1 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#



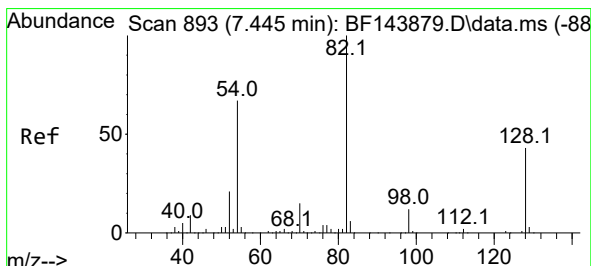
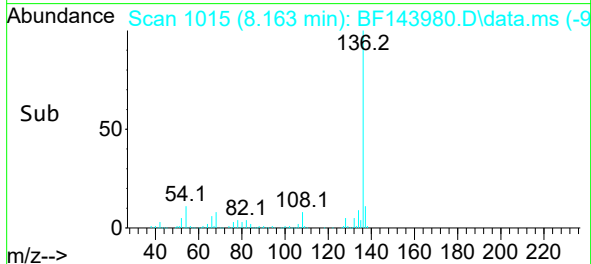
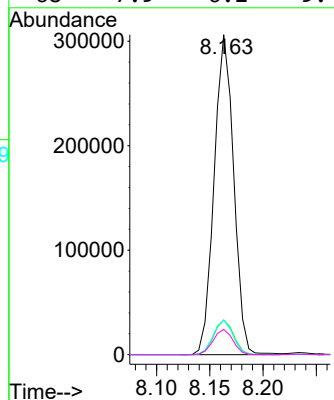
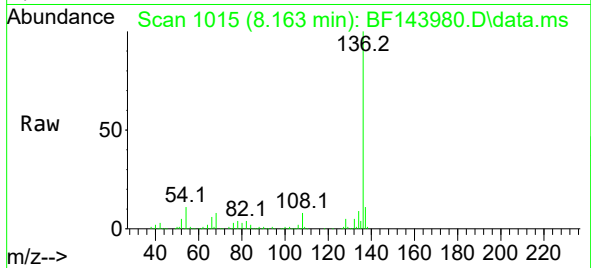


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Tgt Ion:136 Resp: 390280

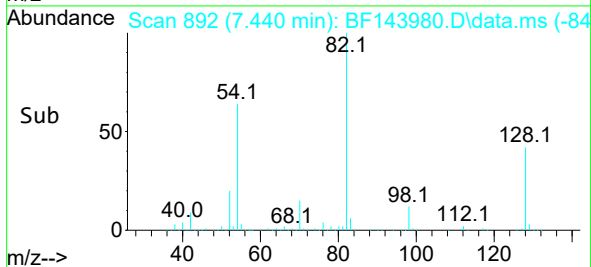
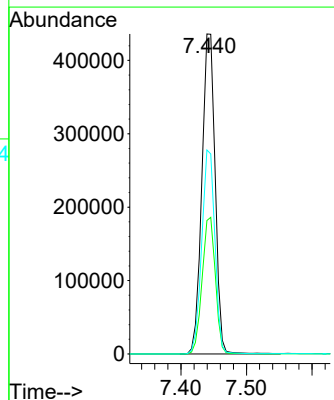
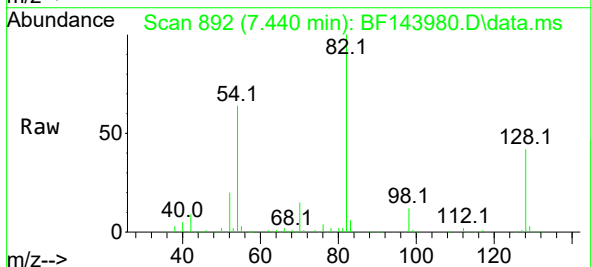
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.8	8.2	12.4
68	7.9	6.2	9.4

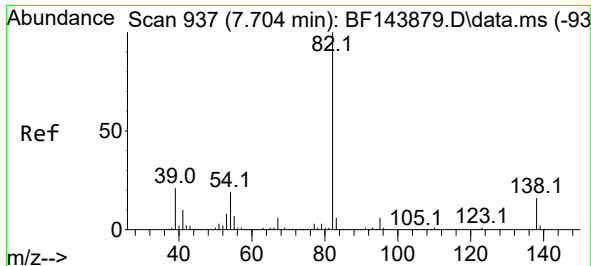


#23
Nitrobenzene-d5
Concen: 96.00 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion: 82 Resp: 616690

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.0	51.0
54	63.8	53.2	79.8

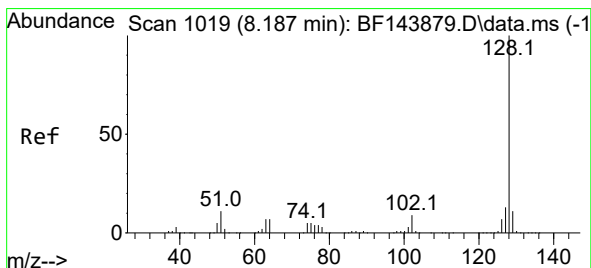
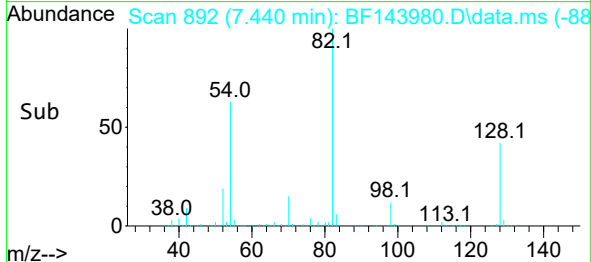
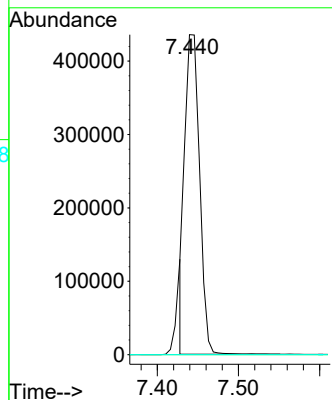
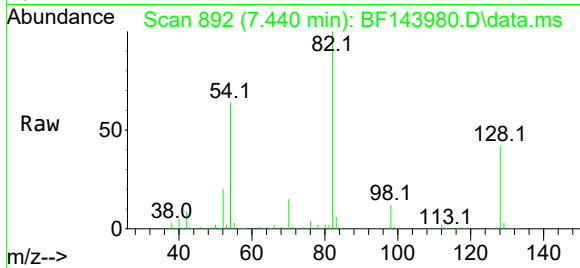




#25
Isophorone
Concen: 40.51 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

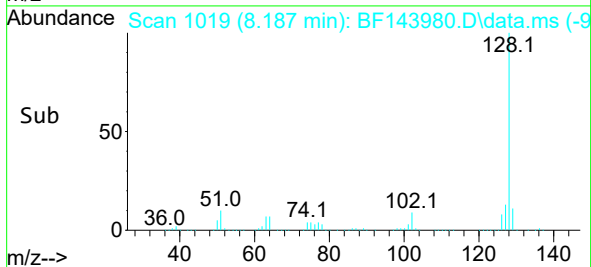
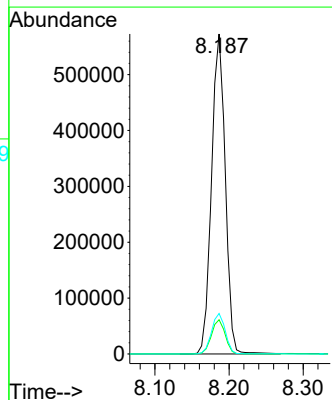
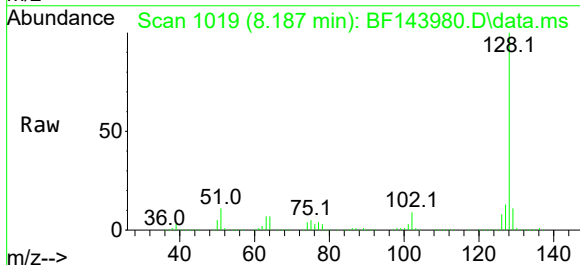
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

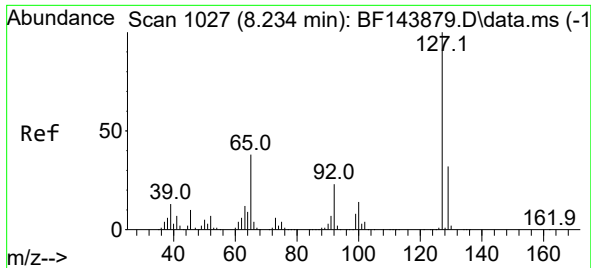
Tgt Ion: 82 Resp: 548698
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#31
Naphthalene
Concen: 41.54 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion: 128 Resp: 737459
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.7 10.0 15.0

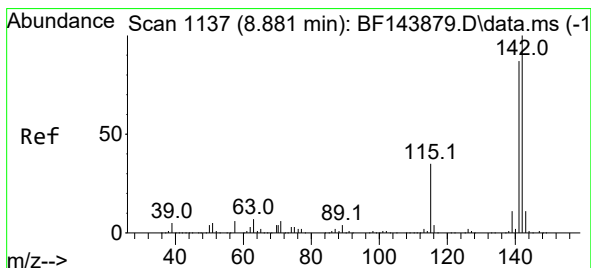
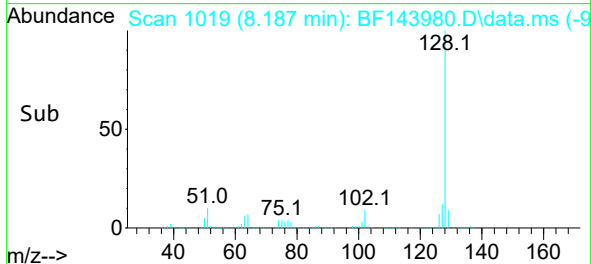
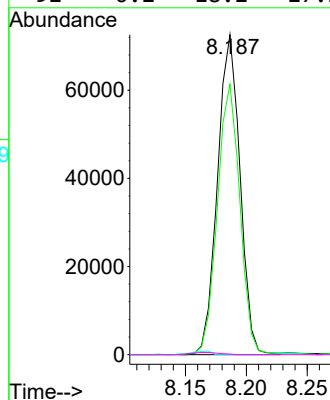
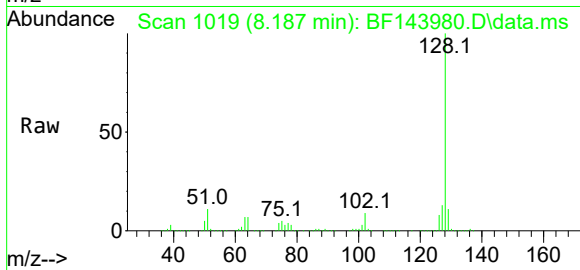




#33
4-Chloroaniline
Concen: 14.02 ng
RT: 8.187 min Scan# 1027
Delta R.T. -0.053 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

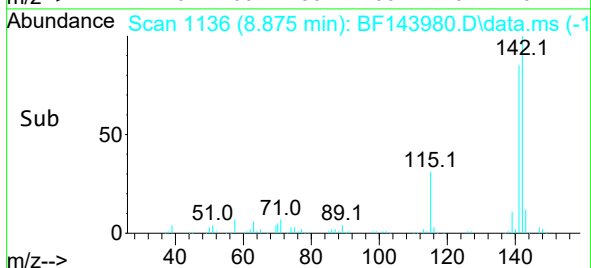
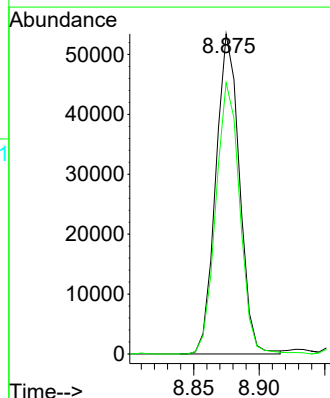
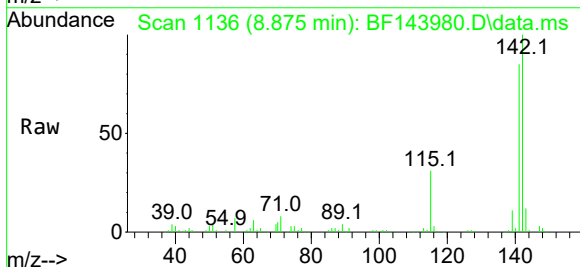
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

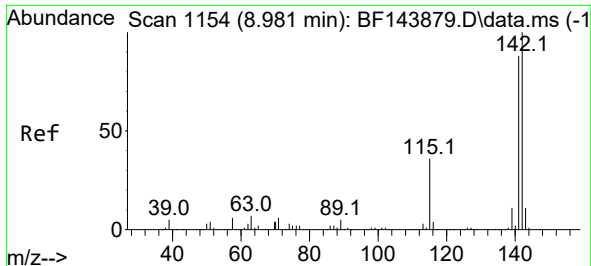
Tgt Ion:127	Resp:	93324
Ion Ratio	Lower	Upper
127	100	
129	84.5	25.8 38.8#
65	0.0	30.0 45.0#
92	0.2	18.2 27.2#



#37
2-Methylnaphthalene
Concen: 5.66 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion:142	Resp:	66898
Ion Ratio	Lower	Upper
142	100	
141	84.8	69.2 103.8





#38

1-Methylnaphthalene

Concen: 7.22 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF143980.D

Acq: 16 Oct 2025 15:40

Instrument :

BNA_F

ClientSampleId :

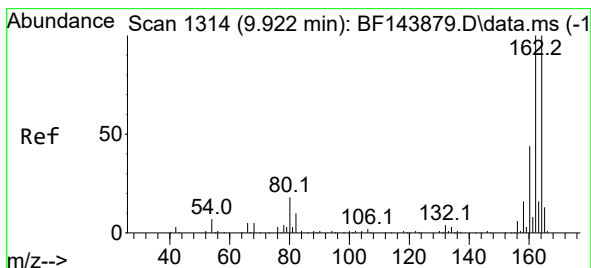
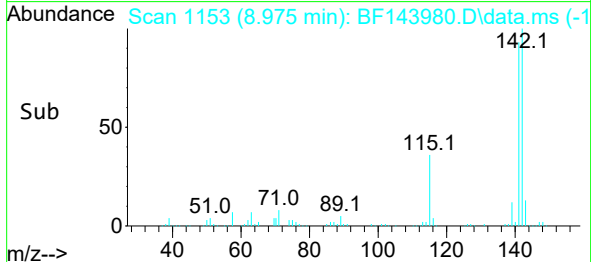
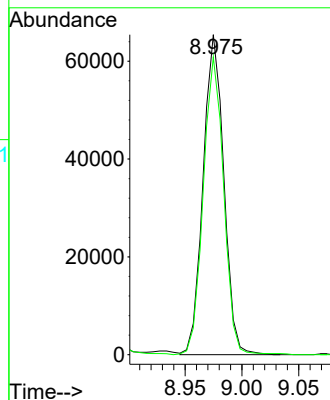
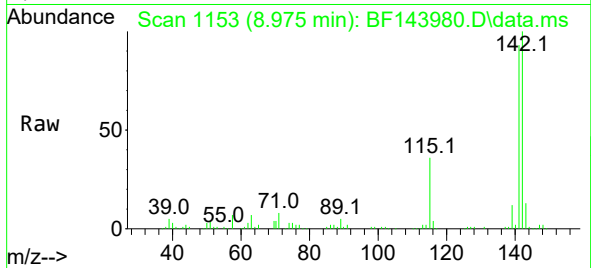
M-R-SOIL

Tgt Ion:142 Resp: 82790

Ion Ratio Lower Upper

142 100

141 93.0 70.8 106.2



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143980.D

Acq: 16 Oct 2025 15:40

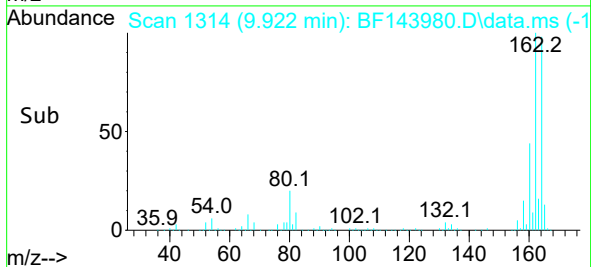
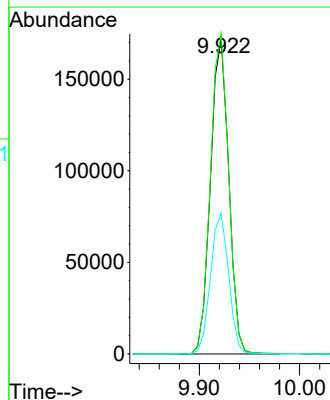
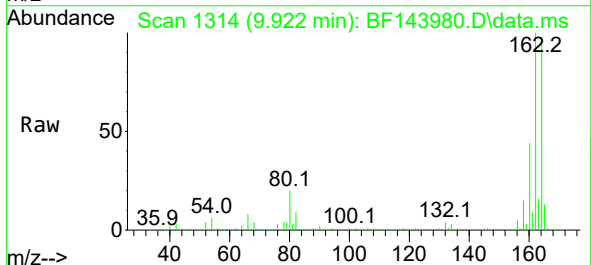
Tgt Ion:164 Resp: 217679

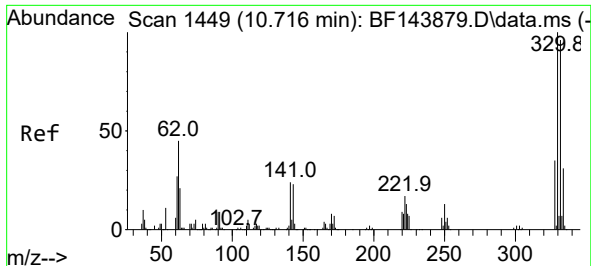
Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.2

160 44.7 35.4 53.0

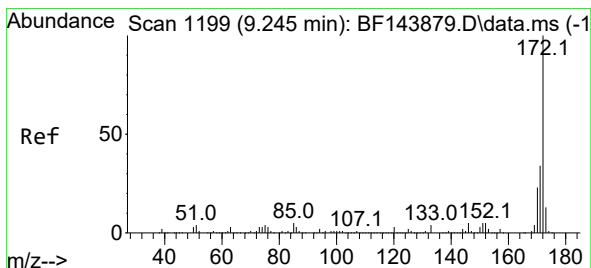
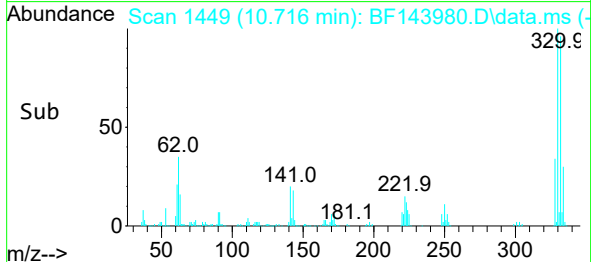
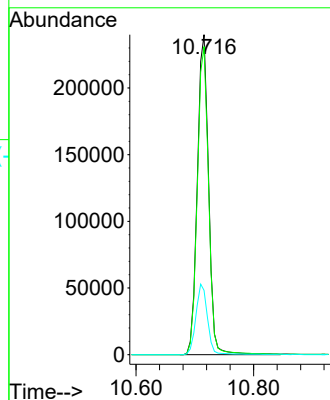
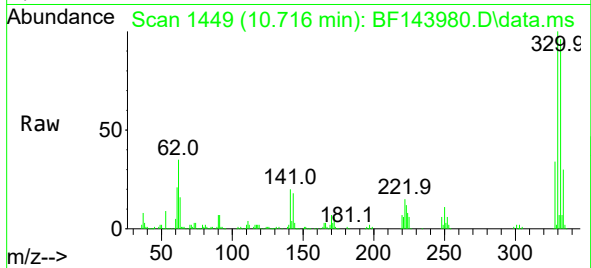




#42
2,4,6-Tribromophenol
Concen: 147.51 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

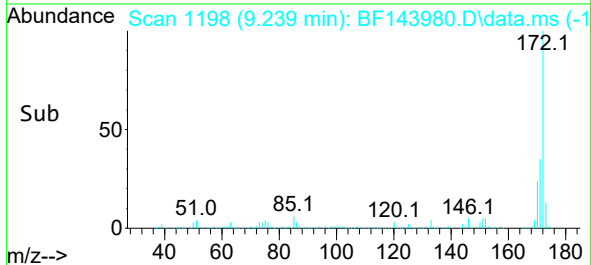
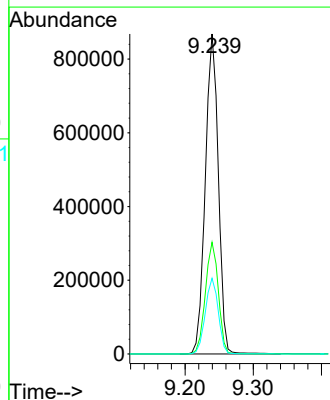
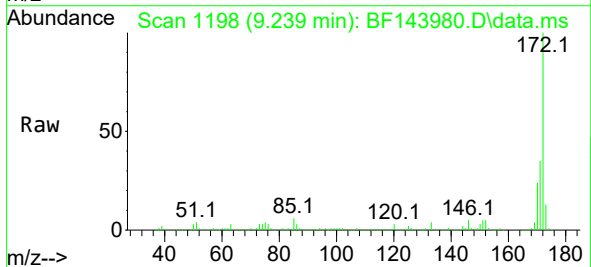
Instrument :
BNA_F
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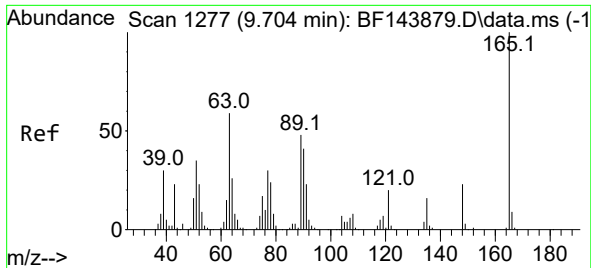
Tgt Ion:330 Resp: 319815
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 22.6 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 84.19 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion:172 Resp: 1154932
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.6 18.6 28.0

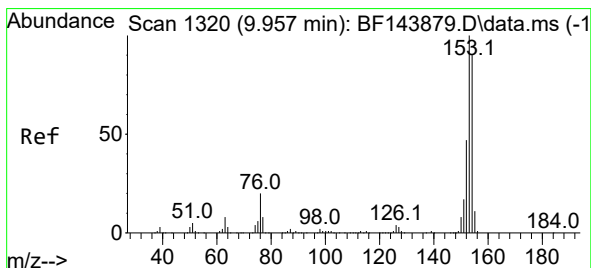
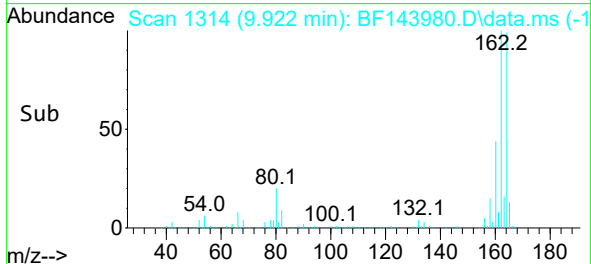
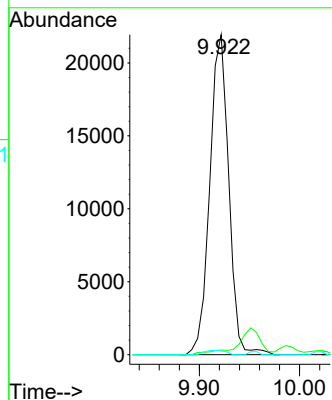
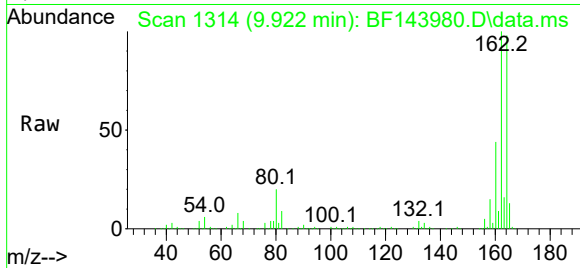




#51
2,6-Dinitrotoluene
Concen: 11.21 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

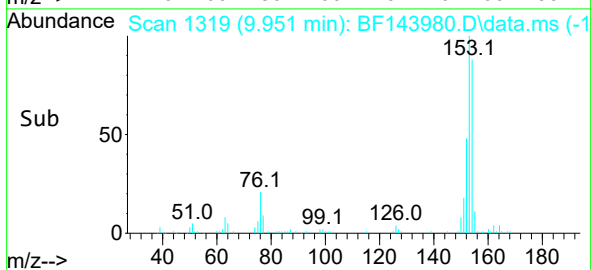
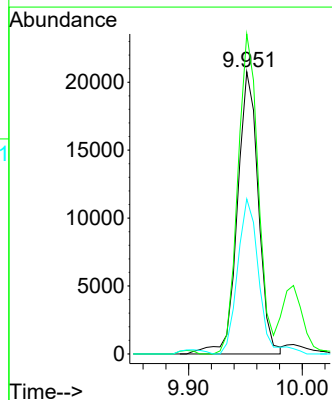
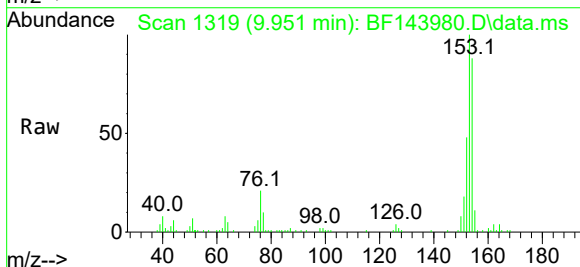
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

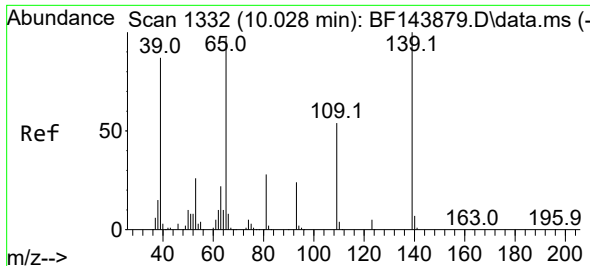
Tgt Ion:165 Resp: 28725
Ion Ratio Lower Upper
165 100
63 1.4 47.3 70.9#
89 1.1 38.2 57.4#



#52
Acenaphthene
Concen: 2.40 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion:154 Resp: 26575
Ion Ratio Lower Upper
154 100
153 113.4 89.3 133.9
152 54.9 42.2 63.2

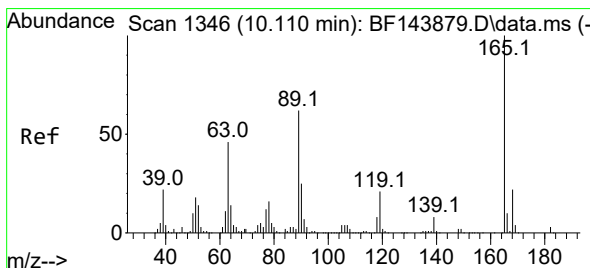
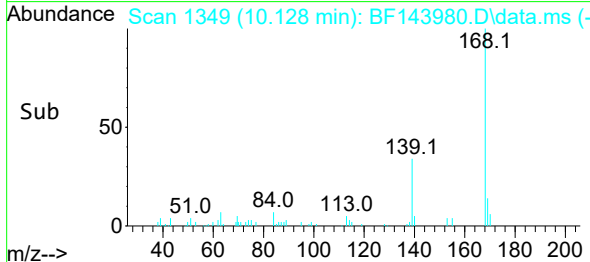
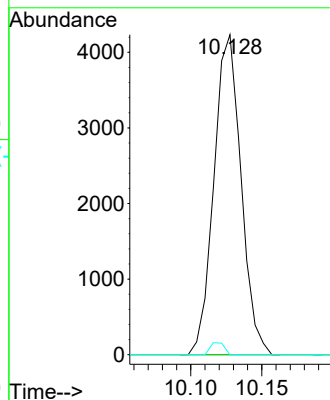
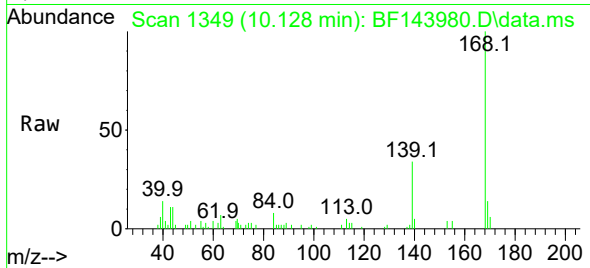




#56
4-Nitrophenol
Concen: 2.36 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.089 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

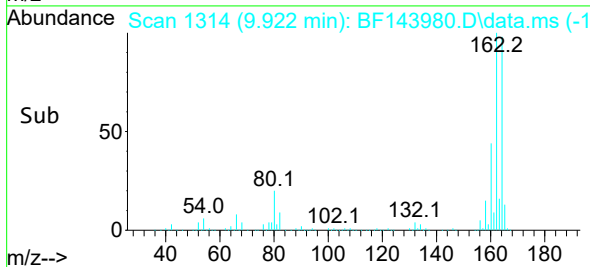
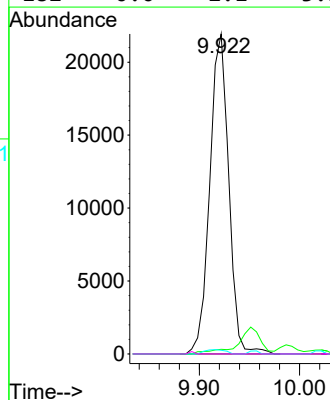
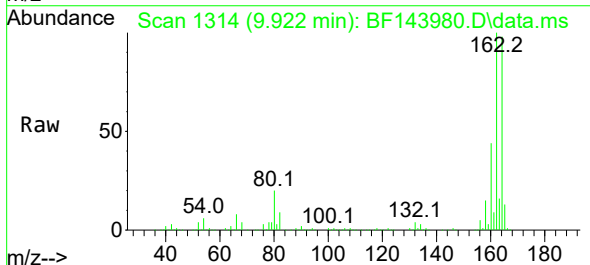
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

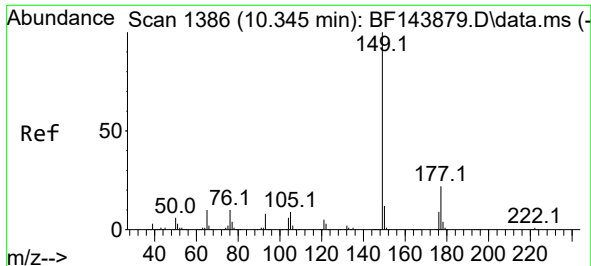
Tgt Ion:139 Resp: 5615
Ion Ratio Lower Upper
139 100
109 0.0 34.5 74.5#
65 0.0 77.6 117.6#



#57
2,4-Dinitrotoluene
Concen: 8.24 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion:165 Resp: 28725
Ion Ratio Lower Upper
165 100
63 1.4 37.2 55.8#
89 1.1 49.4 74.2#
182 0.0 2.1 3.1#

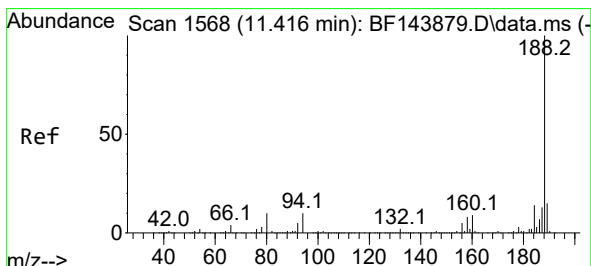
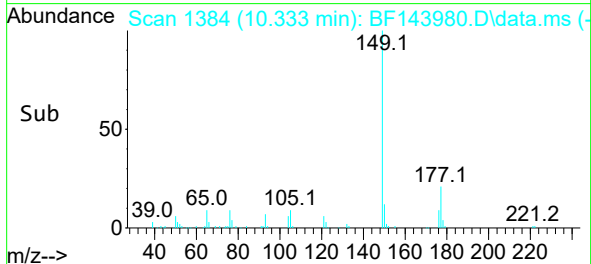
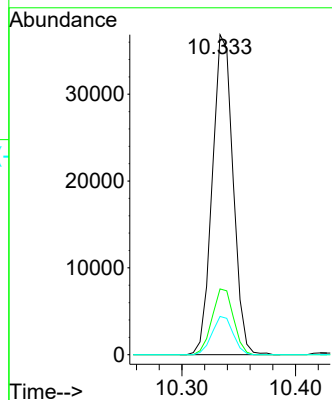
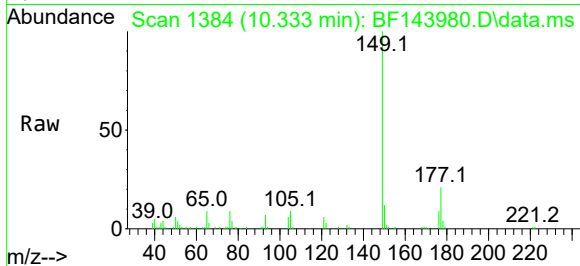




#60
Diethylphthalate
Concen: 3.64 ng
RT: 10.333 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

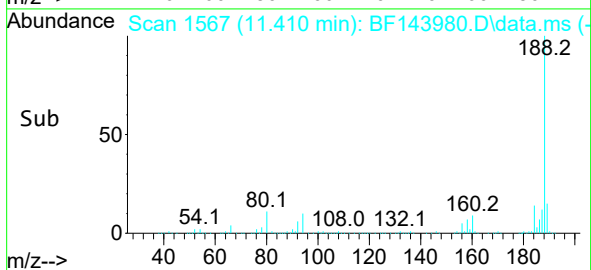
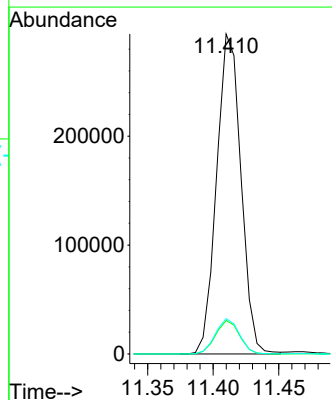
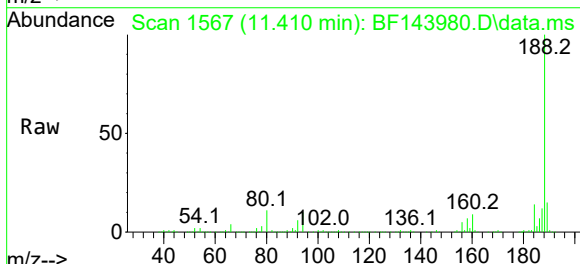
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

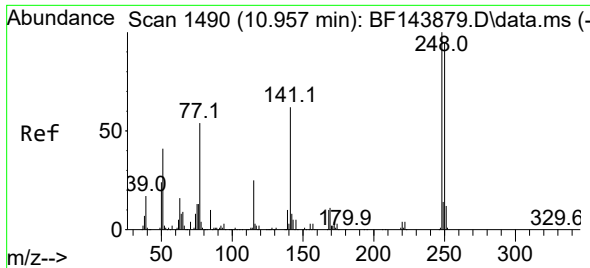
Tgt Ion:149 Resp: 46739
Ion Ratio Lower Upper
149 100
177 20.6 17.9 26.9
150 12.0 9.8 14.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion:188 Resp: 378636
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 11.0 7.9 11.9

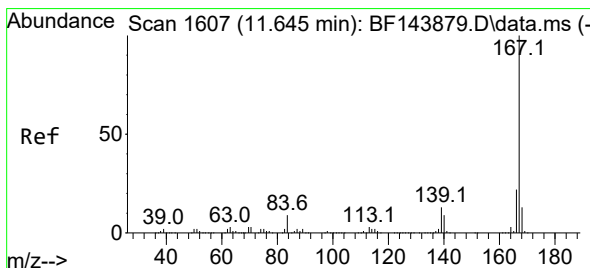
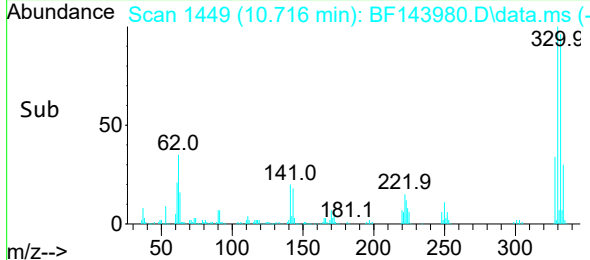
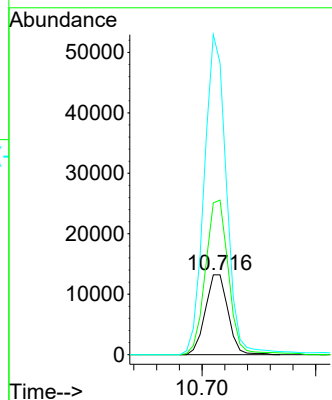
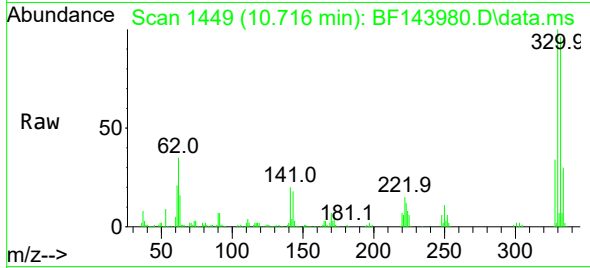




#67
4-Bromophenyl-phenylether
Concen: 4.37 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.247 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

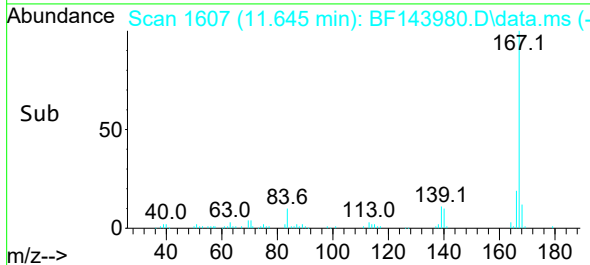
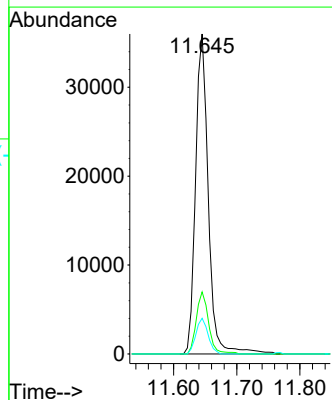
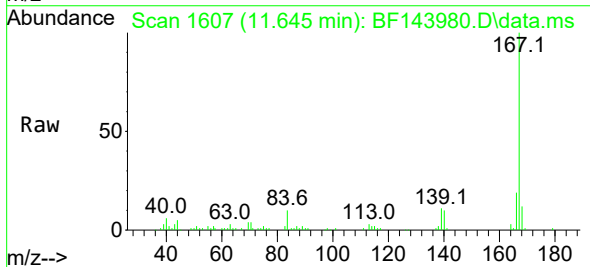
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

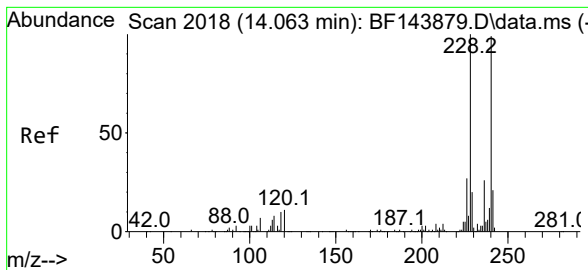
Tgt Ion	Ratio	Lower	Upper
248	100		
250	193.6	76.3	114.5#
141	365.4	49.7	74.5#



#73
Carbazole
Concen: 3.07 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.4	17.2	25.8
139	11.1	10.1	15.1

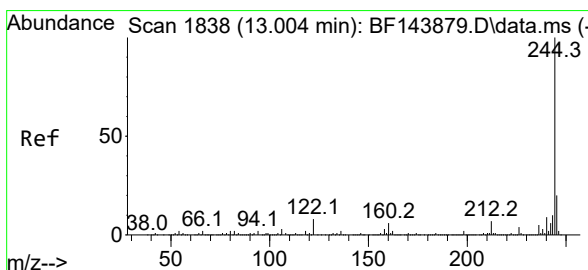
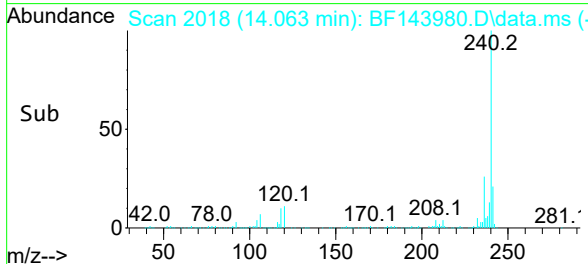
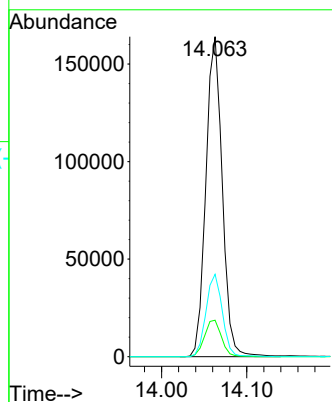
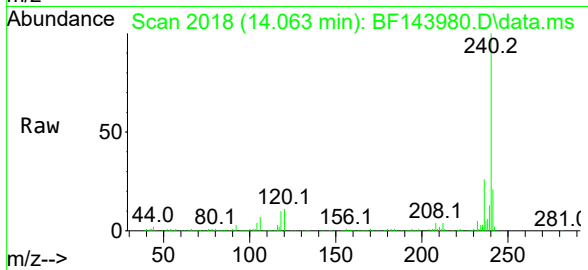




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

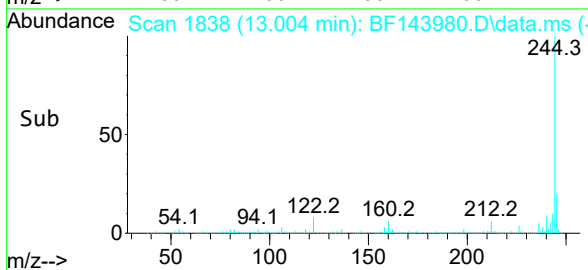
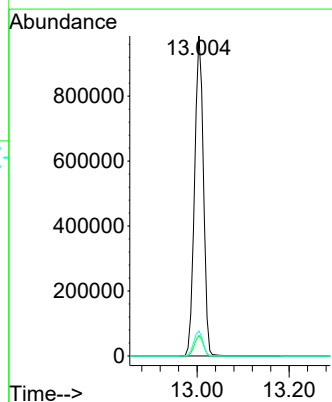
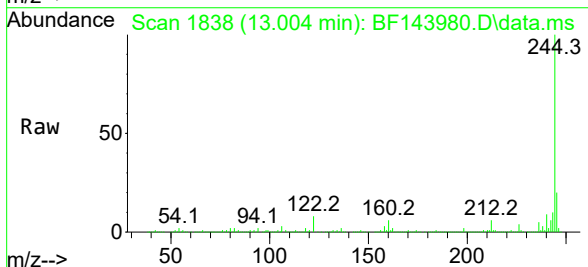
Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

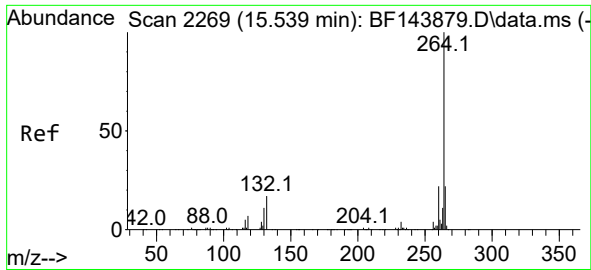
Tgt Ion:240 Resp: 219096
Ion Ratio Lower Upper
240 100
120 11.4 8.6 13.0
236 25.7 21.1 31.7



#79
Terphenyl-d14
Concen: 101.83 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Tgt Ion:244 Resp: 1305435
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 7.8 6.4 9.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143980.D
Acq: 16 Oct 2025 15:40

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Tgt Ion:264 Resp: 234984

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.8	26.8
265	21.1	17.5	26.3

