

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143965.D
 Acq On : 15 Oct 2025 21:21
 Operator : RC/JU
 Sample : Q3345-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2ND-STREET-SOIL

Quant Time: Oct 16 11:11:38 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)

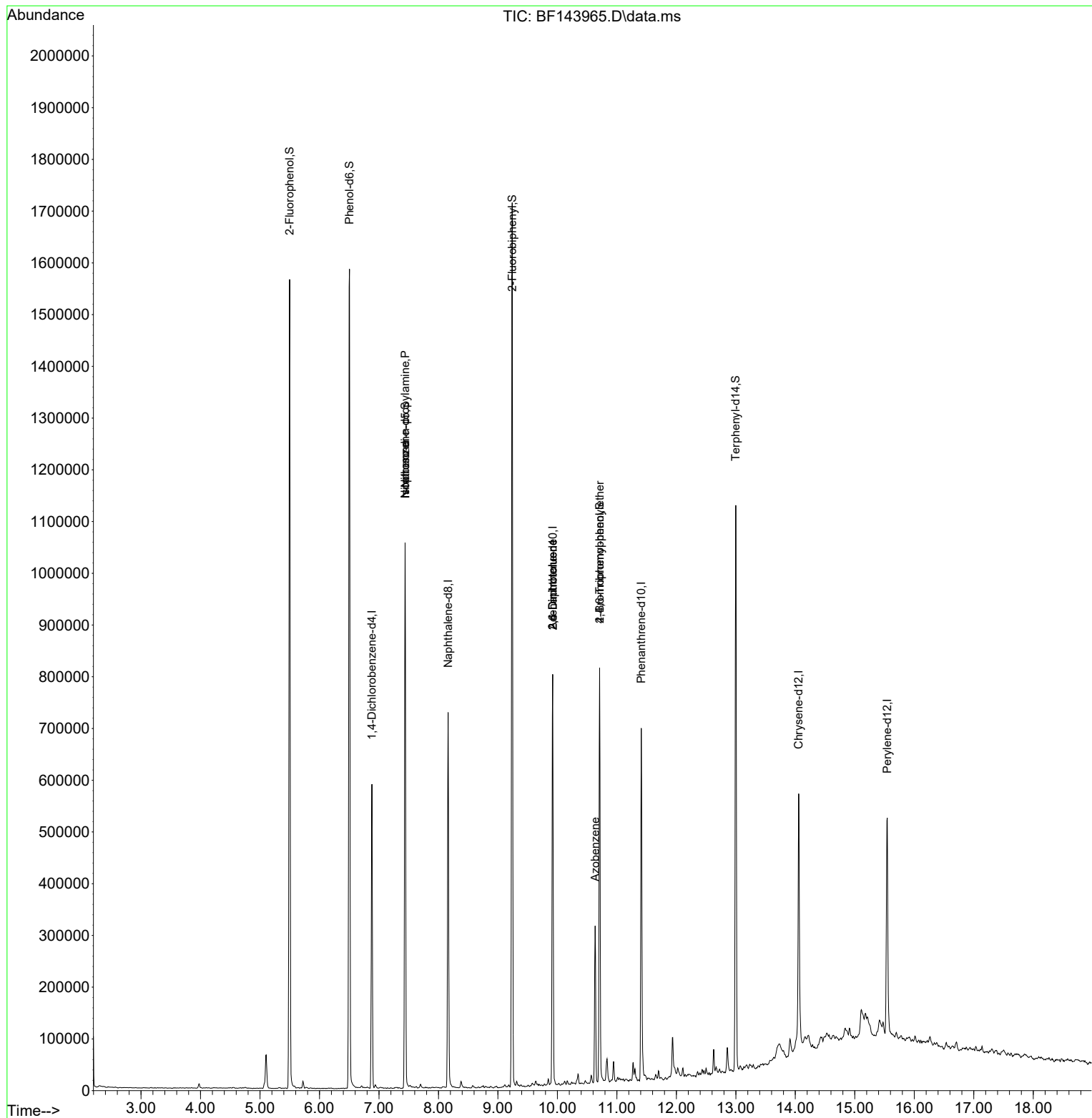
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118027	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	451584	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	237695	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	358743	20.000	ng	0.00
76) Chrysene-d12	14.057	240	231326	20.000	ng	-0.01
86) Perylene-d12	15.545	264	276509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	603378	81.181	ng	0.00
7) Phenol-d6	6.504	99	734414	82.898	ng	-0.01
23) Nitrobenzene-d5	7.440	82	447316	60.181	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	146722	61.974	ng	-0.01
45) 2-Fluorobiphenyl	9.240	172	800606	53.445	ng	-0.01
79) Terphenyl-d14	12.998	244	561968	41.519	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	62549	10.315	ng	# 76
25) Isophorone	7.440	82	378327	24.139	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	30916	11.045	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	30916	8.118	ng	# 27
63) Azobenzene	10.634	77	76902	5.247	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9403	2.372	ng	# 1

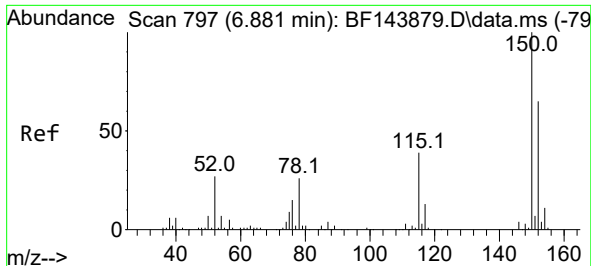
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
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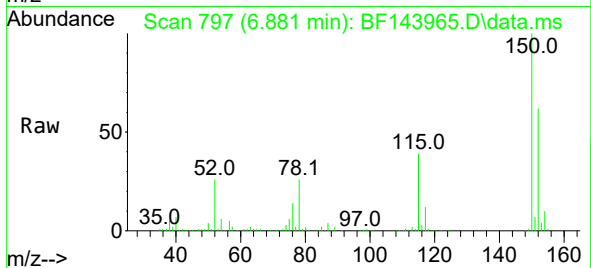
Quant Time: Oct 16 11:11:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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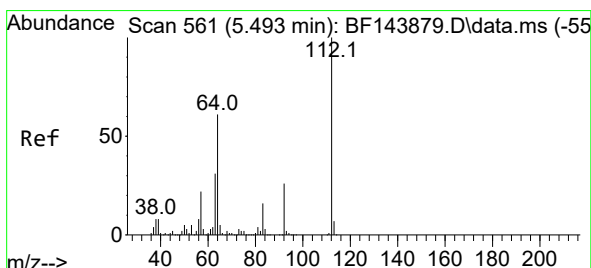
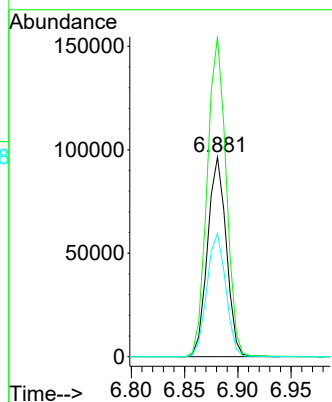
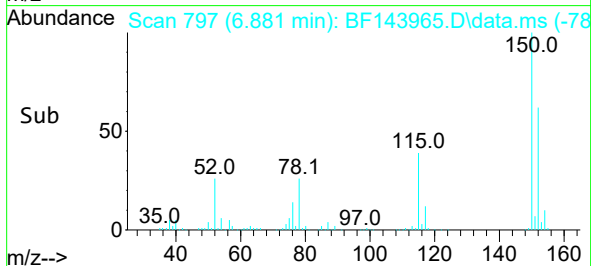


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

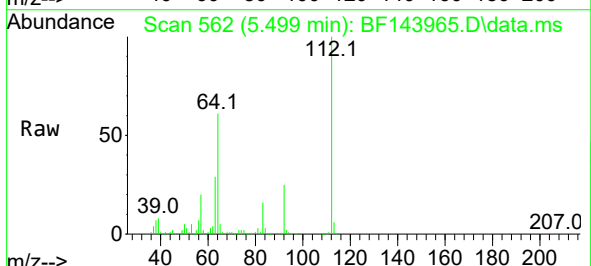
Instrument :
BNA_F
ClientSampleId :
2ND-STREET-SOIL



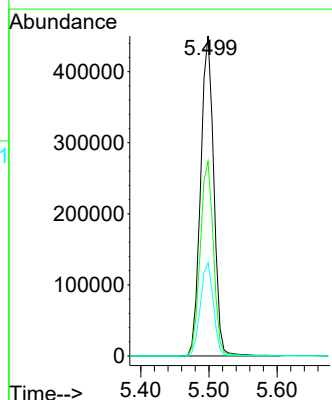
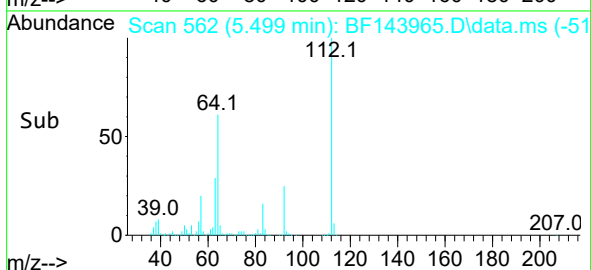
Tgt Ion:152 Resp: 118027
Ion Ratio Lower Upper
152 100
150 160.4 124.4 186.6
115 61.8 48.1 72.1

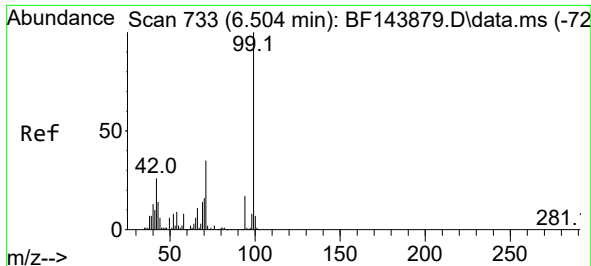


#5
2-Fluorophenol
Concen: 81.181 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21



Tgt Ion:112 Resp: 603378
Ion Ratio Lower Upper
112 100
64 60.8 49.1 73.7
63 29.1 24.5 36.7

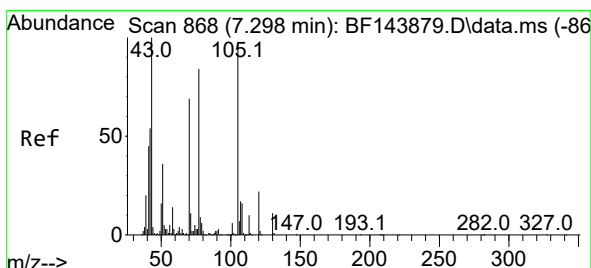
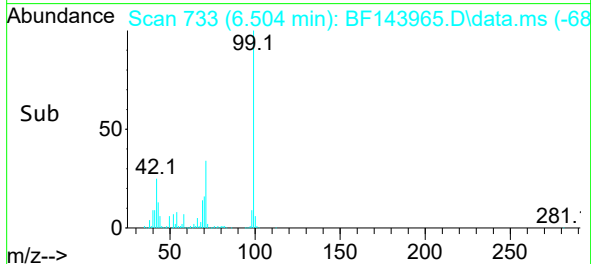
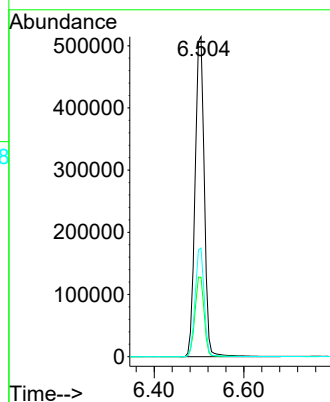
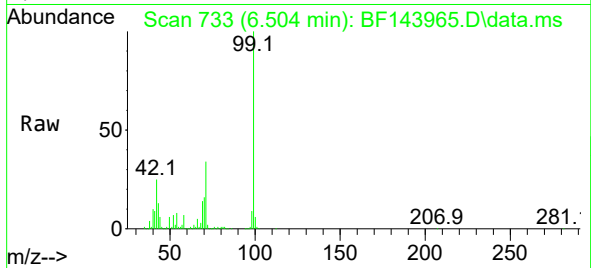




#7
Phenol-d6
Concen: 82.898 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

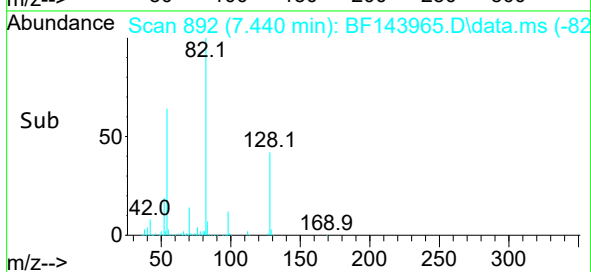
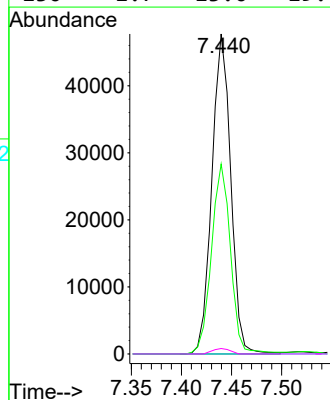
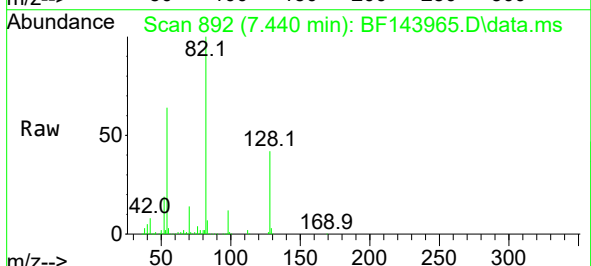
Instrument :
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ClientSampleId :
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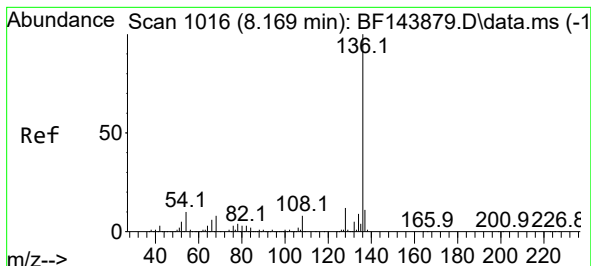
Tgt Ion: 99 Resp: 734414
Ion Ratio Lower Upper
99 100
42 24.8 21.0 31.4
71 33.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.315 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

Tgt Ion: 70 Resp: 62549
Ion Ratio Lower Upper
70 100
42 59.4 62.8 94.2#
101 0.0 6.7 10.1#
130 1.7 13.0 19.4#

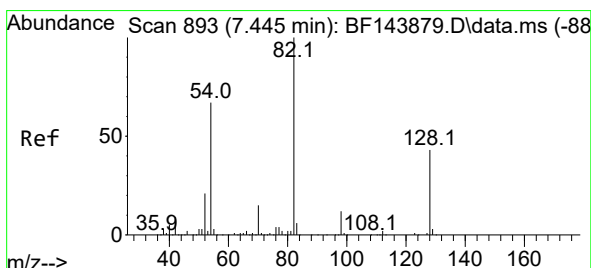
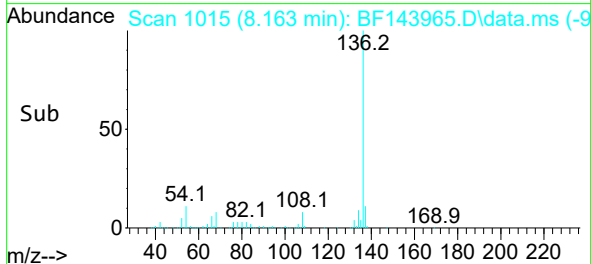
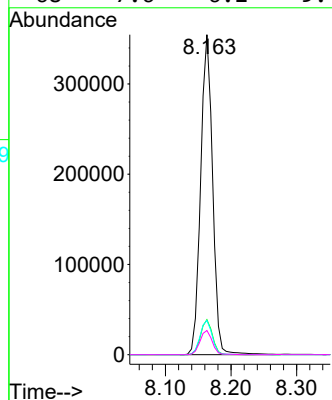
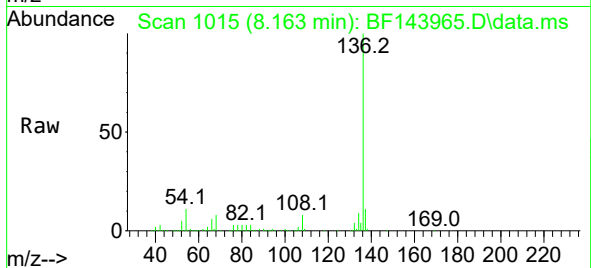




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

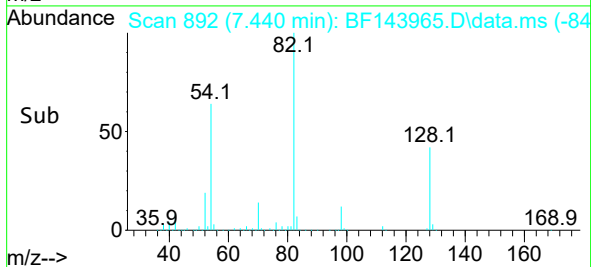
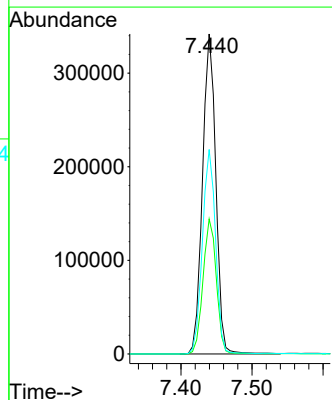
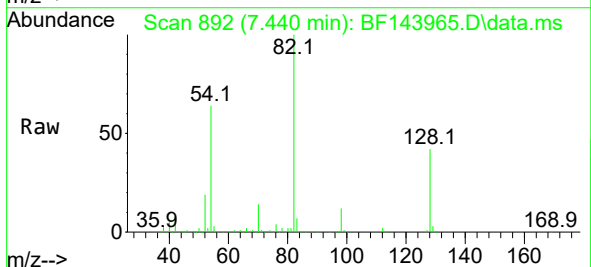
Instrument :
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ClientSampleId :
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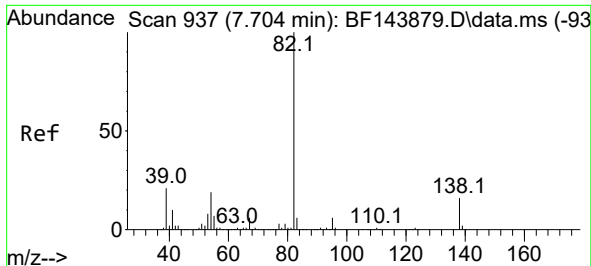
Tgt Ion:136 Resp: 451584
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.7 8.2 12.4
68 7.6 6.2 9.4



#23
Nitrobenzene-d5
Concen: 60.181 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

Tgt Ion: 82 Resp: 447316
Ion Ratio Lower Upper
82 100
128 42.2 34.0 51.0
54 63.9 53.2 79.8

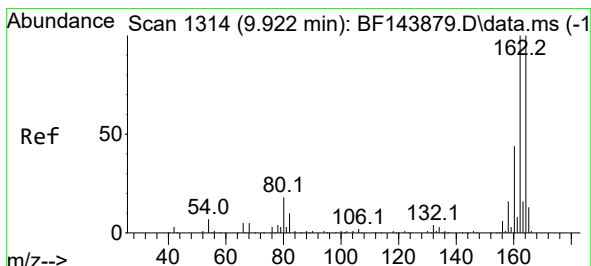
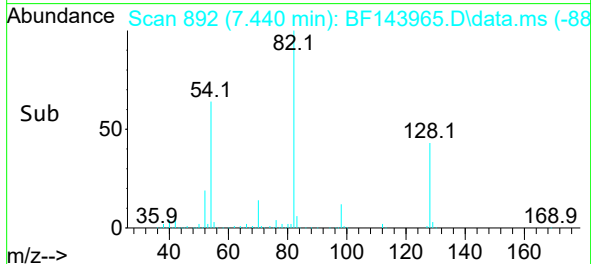
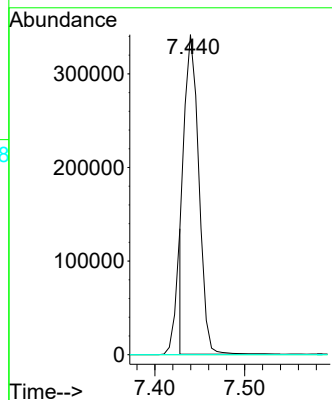
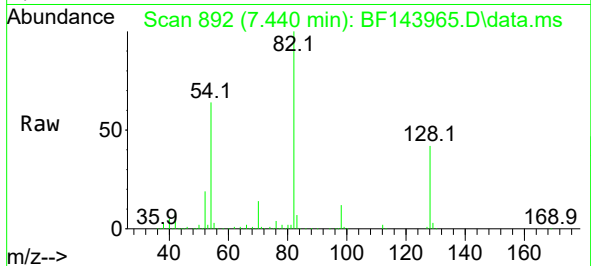




#25
Isophorone
Concen: 24.139 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

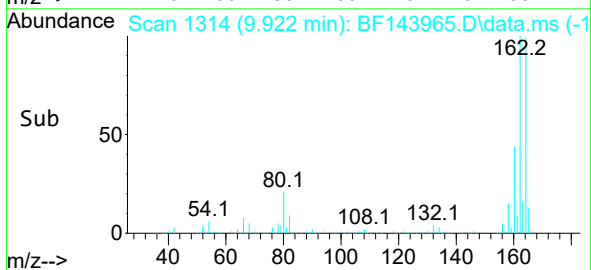
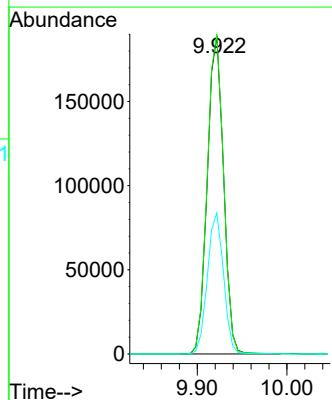
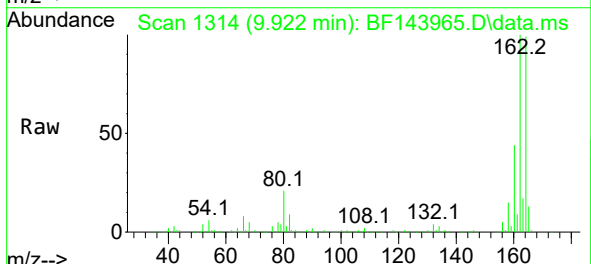
Instrument :
BNA_F
ClientSampleId :
2ND-STREET-SOIL

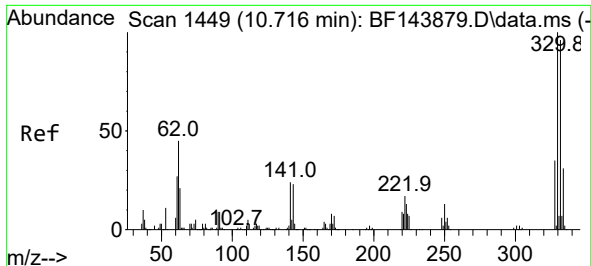
Tgt Ion: 82 Resp: 378327
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

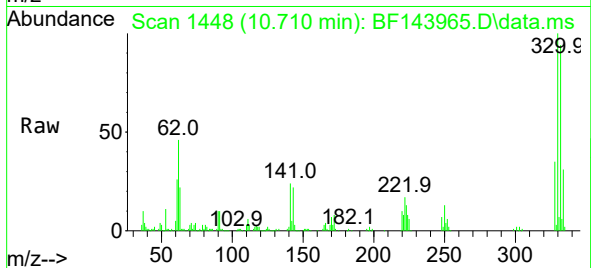
Tgt Ion:164 Resp: 237695
Ion Ratio Lower Upper
164 100
162 100.6 80.2 120.2
160 44.3 35.4 53.0



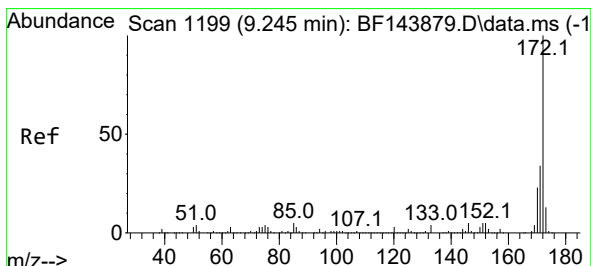
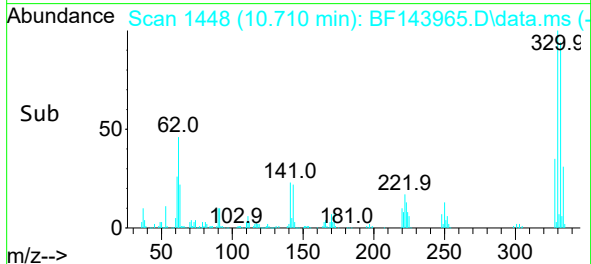
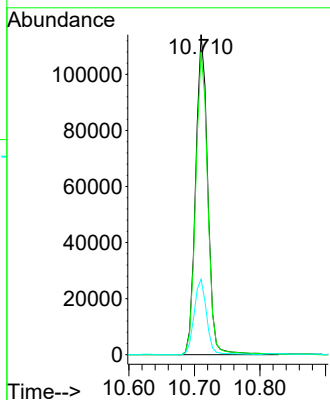


#42
2,4,6-Tribromophenol
Concen: 61.974 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

Instrument :
BNA_F
ClientSampleId :
2ND-STREET-SOIL

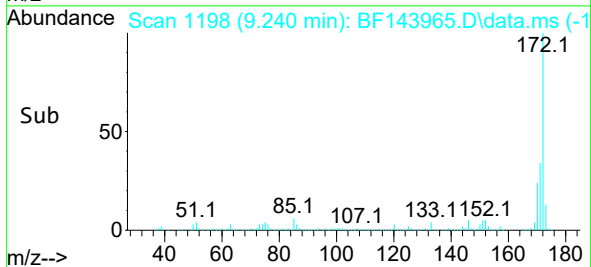
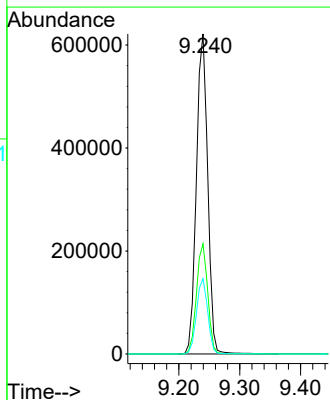
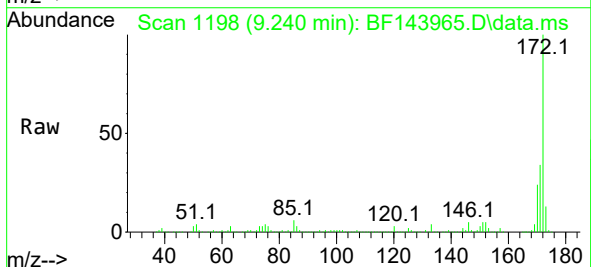


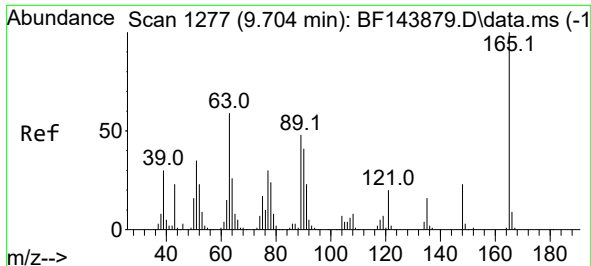
Tgt Ion:330 Resp: 146722
Ion Ratio Lower Upper
330 100
332 94.8 76.9 115.3
141 24.3 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 53.445 ng
RT: 9.240 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

Tgt Ion:172 Resp: 800606
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 23.6 18.6 28.0

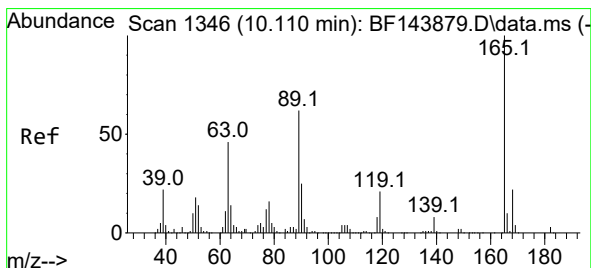
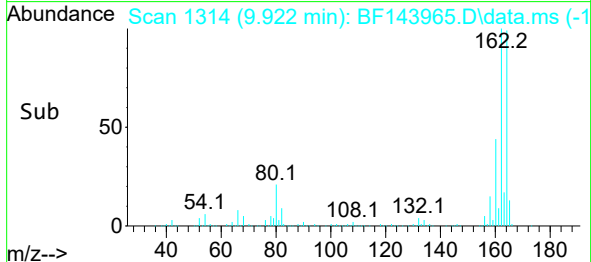
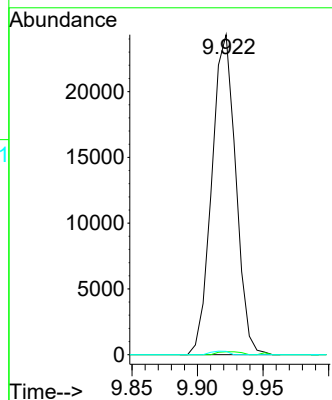
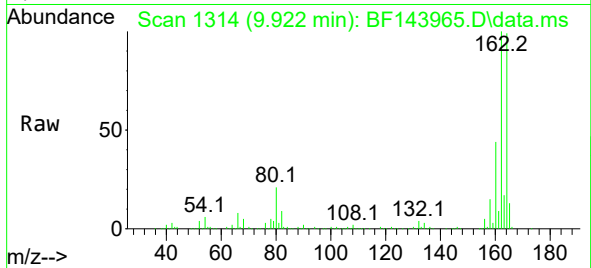




#51
2,6-Dinitrotoluene
Concen: 11.045 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

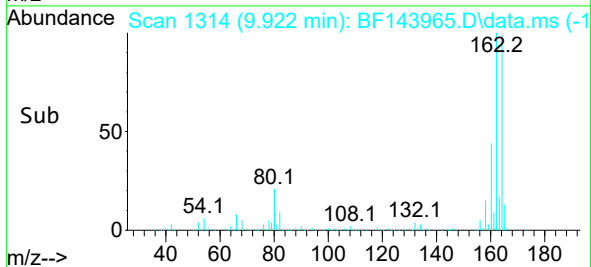
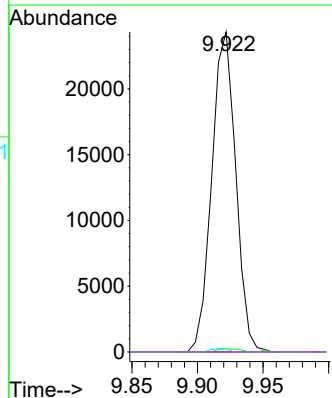
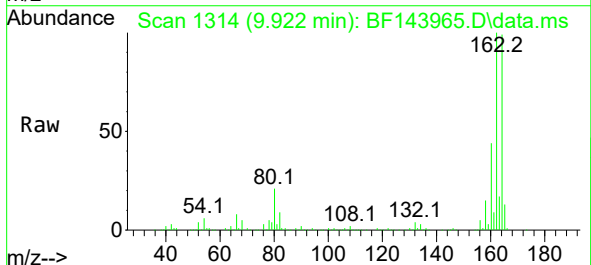
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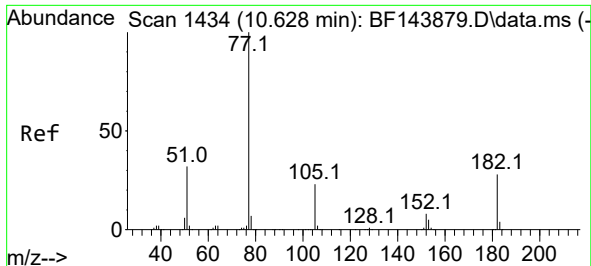
Tgt Ion:165 Resp: 30916
Ion Ratio Lower Upper
165 100
63 0.9 47.3 70.9#
89 1.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.118 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

Tgt Ion:165 Resp: 30916
Ion Ratio Lower Upper
165 100
63 0.9 37.2 55.8#
89 1.0 49.4 74.2#
182 0.0 2.1 3.1#

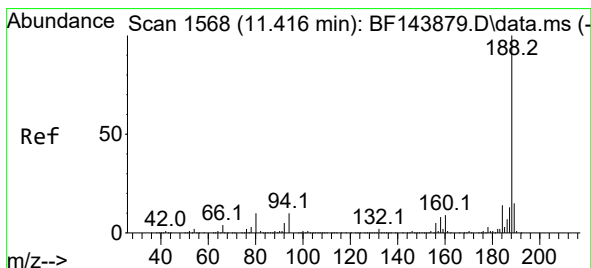
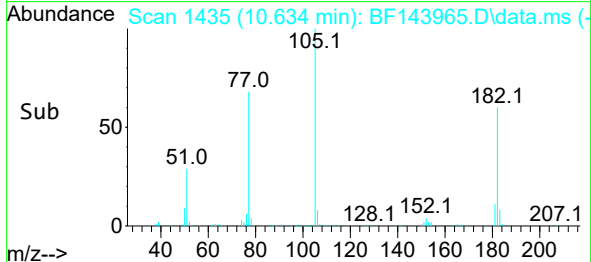
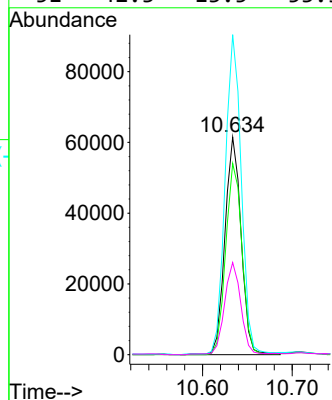
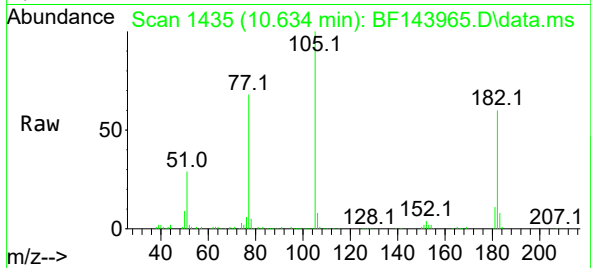




#63
Azobenzene
Concen: 5.247 ng
RT: 10.634 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

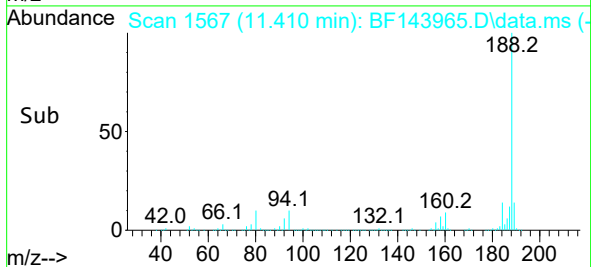
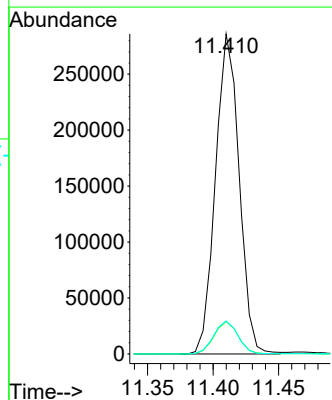
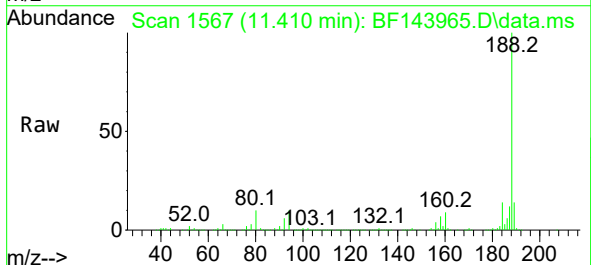
Instrument :
BNA_F
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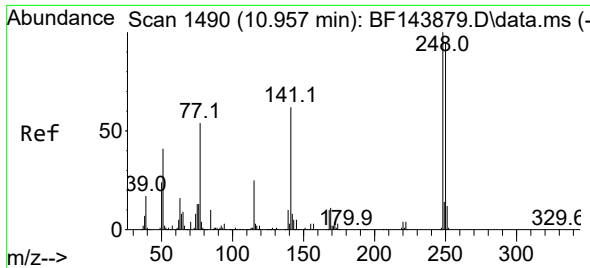
Tgt Ion: 77 Resp: 76902
Ion Ratio Lower Upper
77 100
182 87.9 7.3 47.3#
105 147.1 3.0 43.0#
51 42.3 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

Tgt Ion: 188 Resp: 358743
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 10.4 7.9 11.9

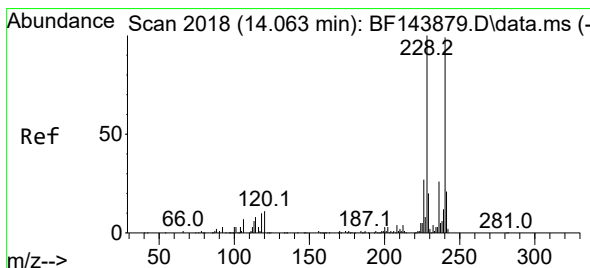
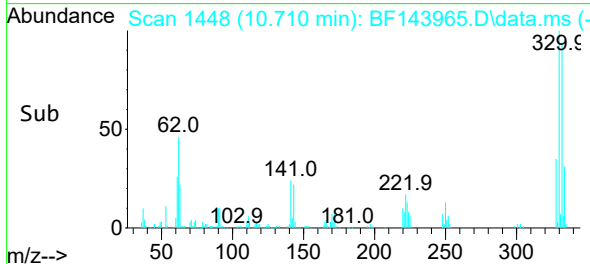
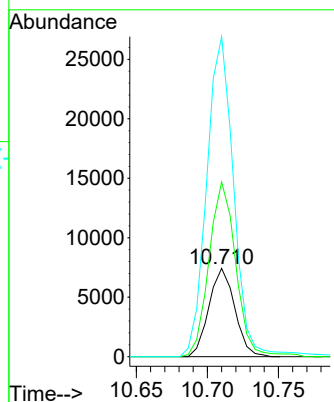
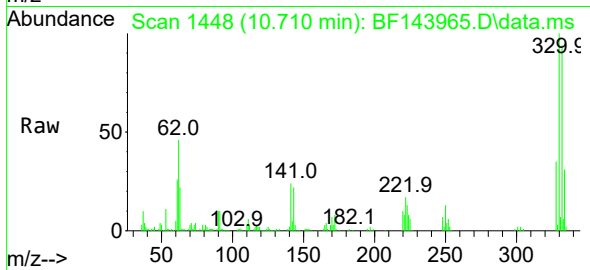




#67
4-Bromophenyl-phenylether
Concen: 2.372 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

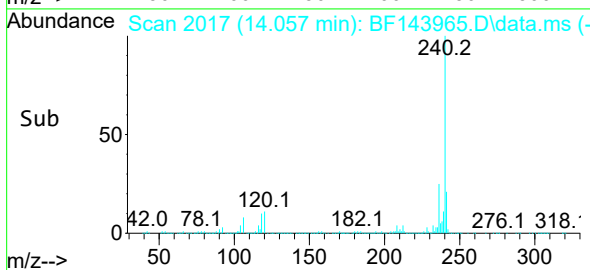
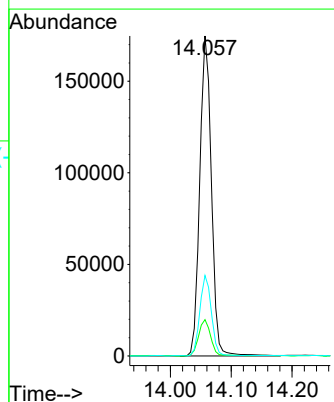
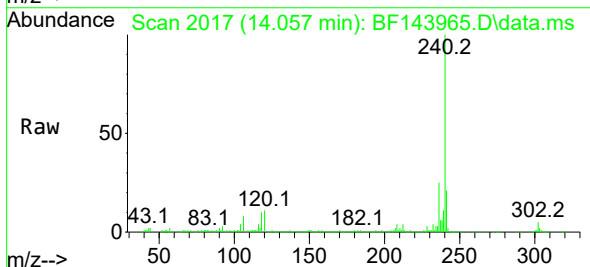
Instrument :
BNA_F
ClientSampleId :
2ND-STREET-SOIL

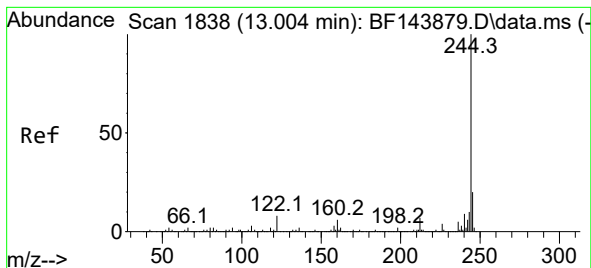
Tgt Ion:248 Resp: 9403
Ion Ratio Lower Upper
248 100
250 197.9 76.3 114.5#
141 362.5 49.7 74.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143965.D
Acq: 15 Oct 2025 21:21

Tgt Ion:240 Resp: 231326
Ion Ratio Lower Upper
240 100
120 11.4 8.6 13.0
236 25.1 21.1 31.7





#79

Terphenyl-d14

Concen: 41.519 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF143965.D

Acq: 15 Oct 2025 21:21

Instrument :

BNA_F

ClientSampleId :

2ND-STREET-SOIL

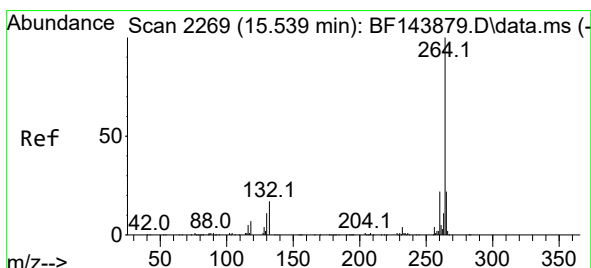
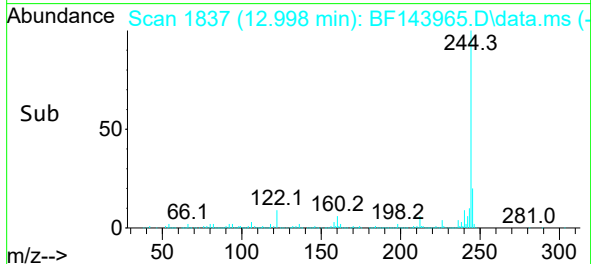
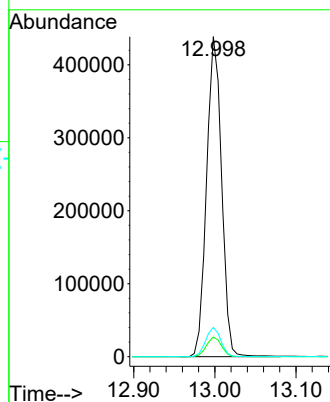
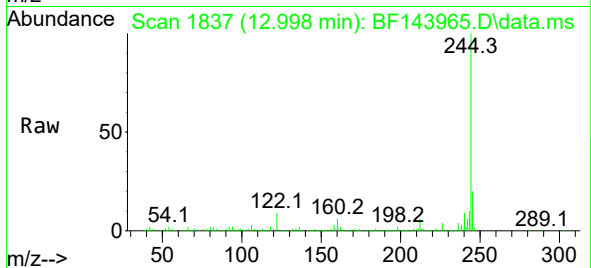
Tgt Ion:244 Resp: 561968

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

122 9.1 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF143965.D

Acq: 15 Oct 2025 21:21

Tgt Ion:264 Resp: 276509

Ion Ratio Lower Upper

264 100

260 21.7 17.8 26.8

265 20.6 17.5 26.3

