

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091025\
 Data File : BF143686.D
 Acq On : 09 Sep 2025 16:01
 Operator : RC/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 09 17:06:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

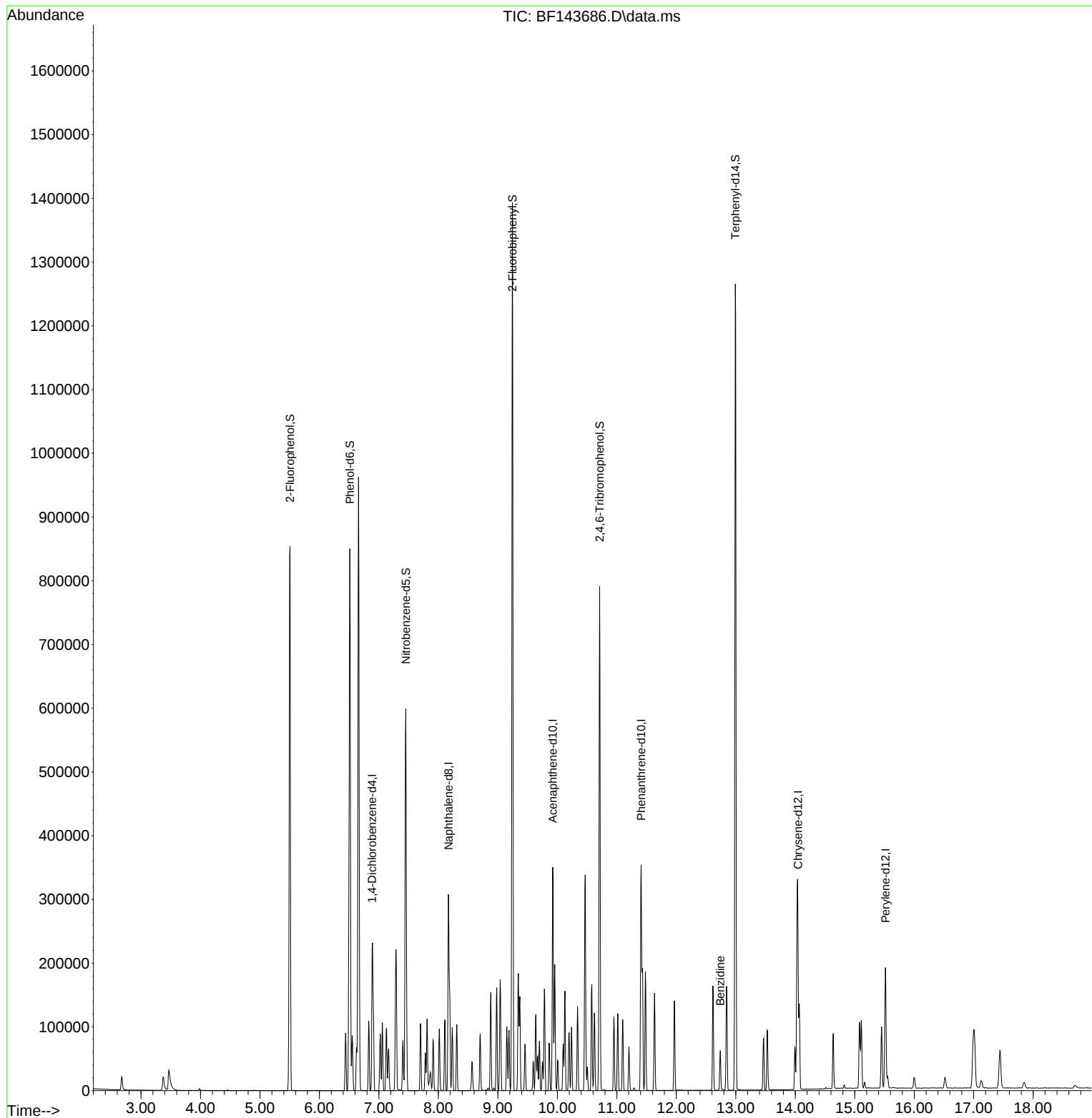
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	49429	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	191249	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	109900	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	187398	20.000	ng	0.00
76) Chrysene-d12	14.045	240	114745	20.000	ng	0.00
86) Perylene-d12	15.515	264	114799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	355238	122.618	ng	0.00
7) Phenol-d6	6.510	99	455864	129.230	ng	0.00
23) Nitrobenzene-d5	7.451	82	286535	93.191	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	147769	133.420	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	647509	89.002	ng	0.00
79) Terphenyl-d14	12.992	244	690239	97.481	ng	0.00
Target Compounds						
77) Benzdine	12.739	184	35809	9.570	ng	Qvalue 98

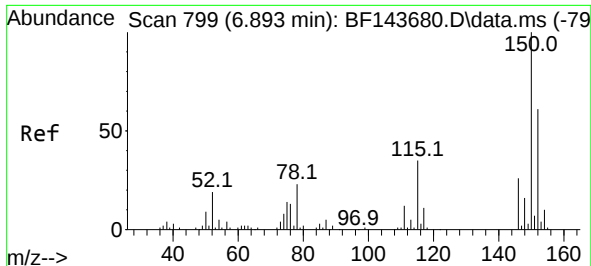
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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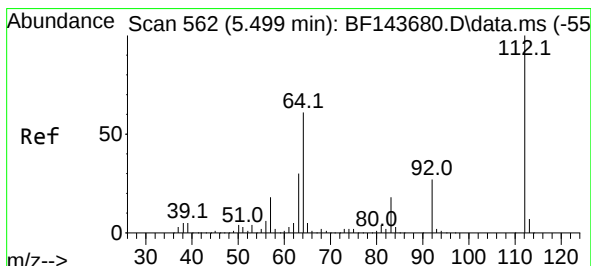
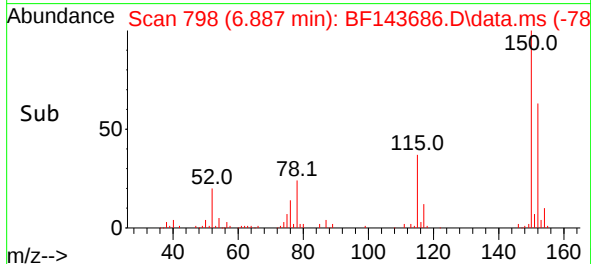
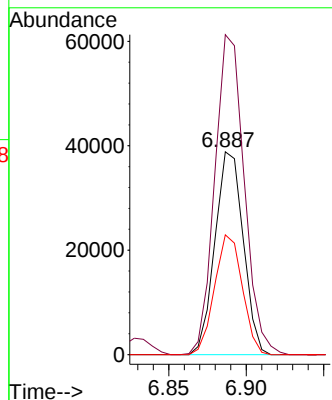
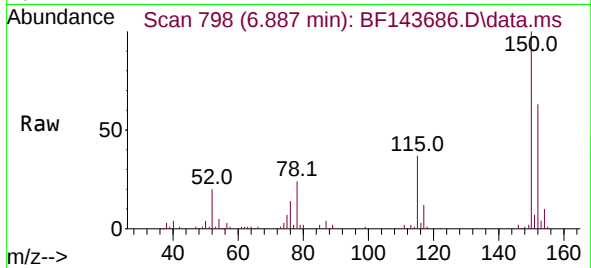




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

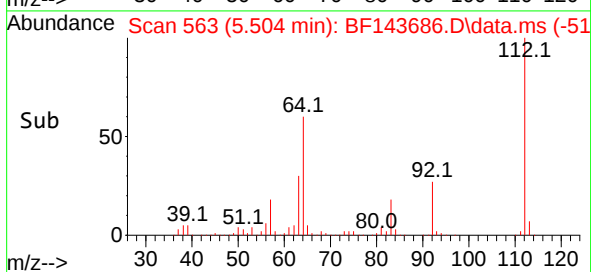
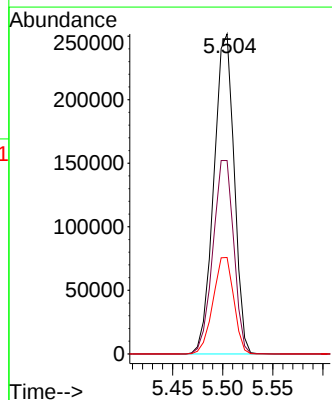
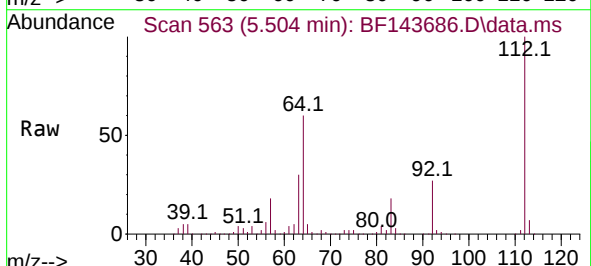
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

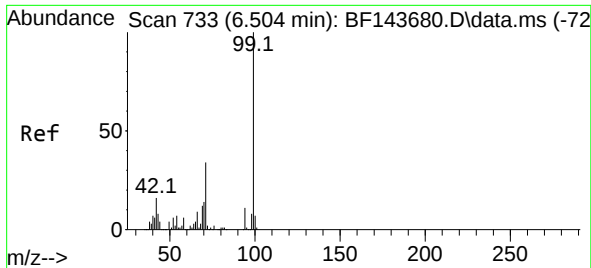
Tgt Ion:152 Resp: 49429
Ion Ratio Lower Upper
152 100
150 157.8 130.7 196.1
115 59.1 45.9 68.9



#5
2-Fluorophenol
Concen: 122.618 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

Tgt Ion:112 Resp: 355238
Ion Ratio Lower Upper
112 100
64 60.4 49.0 73.4
63 30.1 24.3 36.5

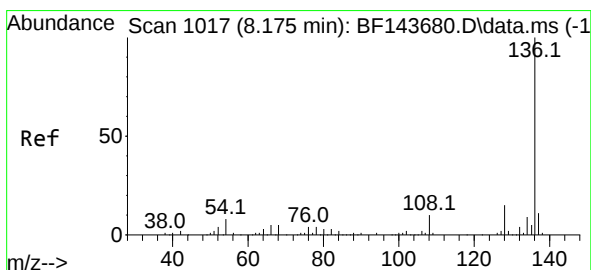
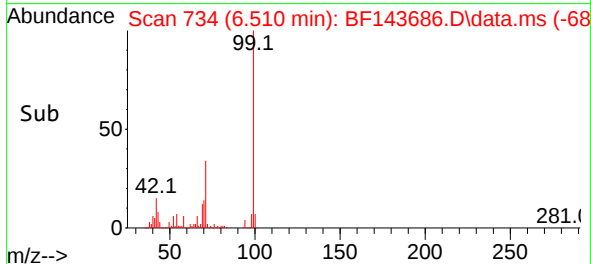
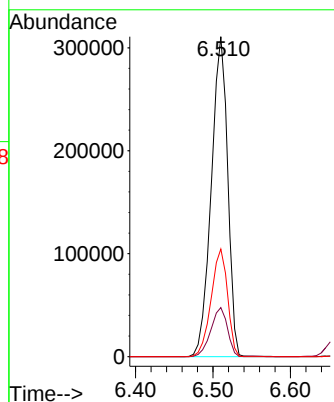
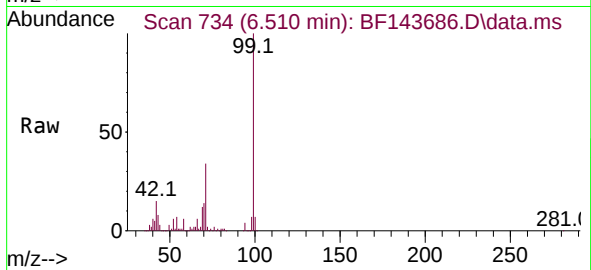




#7
Phenol-d6
Concen: 129.230 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.006 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

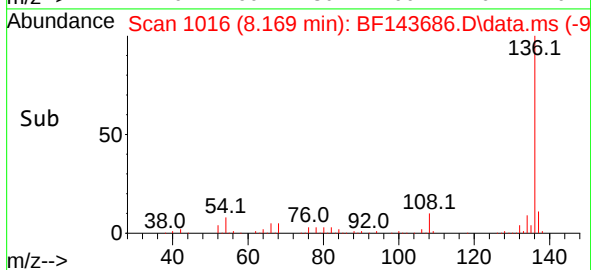
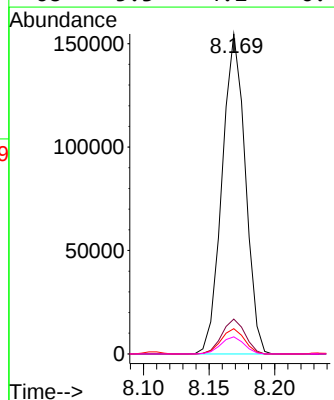
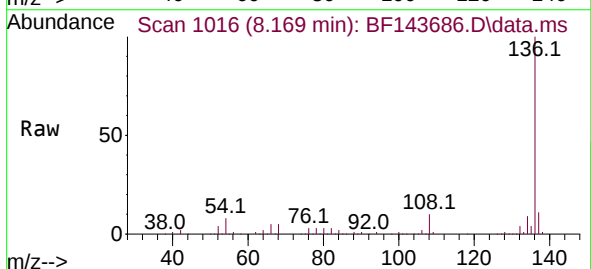
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

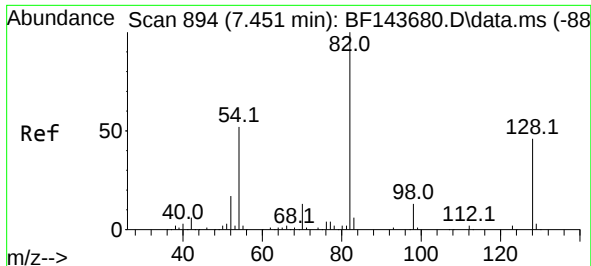
Tgt Ion: 99 Resp: 455864
Ion Ratio Lower Upper
99 100
42 15.3 13.0 19.4
71 33.6 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

Tgt Ion: 136 Resp: 191249
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.9 6.2 9.2
68 5.3 4.2 6.4





#23

Nitrobenzene-d5

Concen: 93.191 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143686.D

Acq: 09 Sep 2025 16:01

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

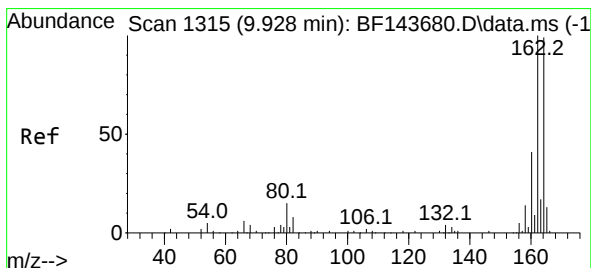
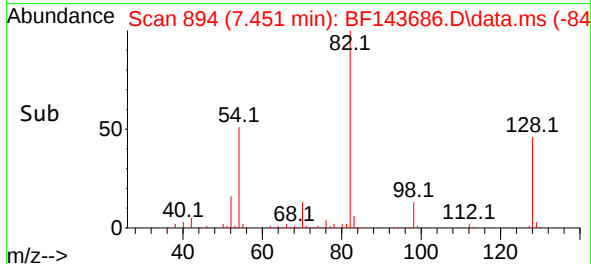
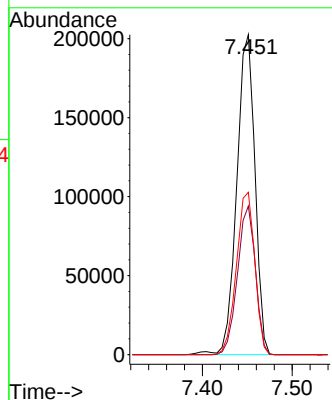
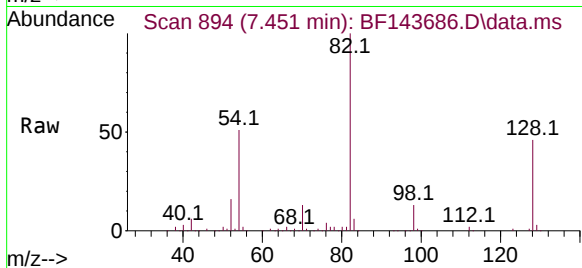
Tgt Ion: 82 Resp: 286535

Ion Ratio Lower Upper

82 100

128 46.4 37.0 55.4

54 50.7 41.8 62.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143686.D

Acq: 09 Sep 2025 16:01

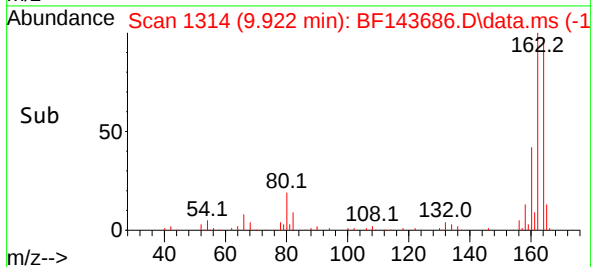
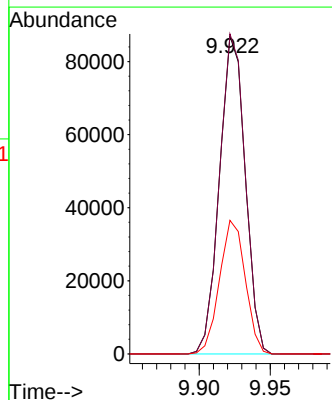
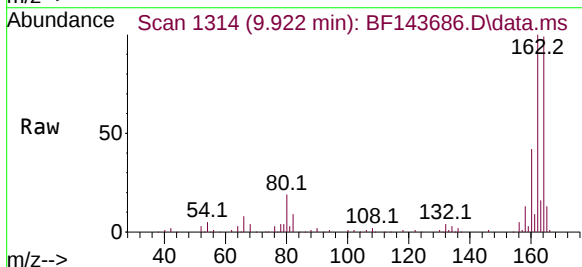
Tgt Ion:164 Resp: 109900

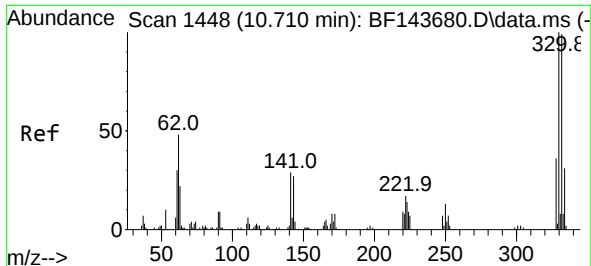
Ion Ratio Lower Upper

164 100

162 100.7 80.6 121.0

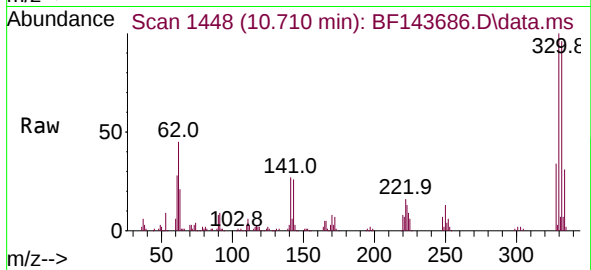
160 42.0 33.0 49.4



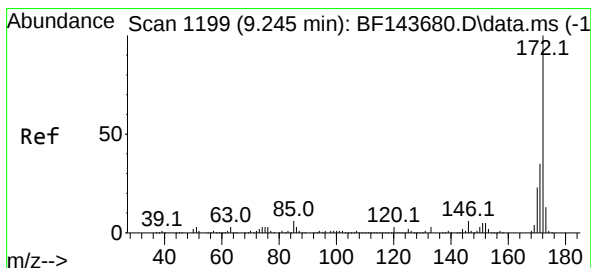
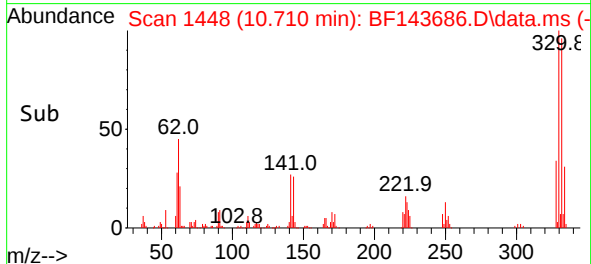
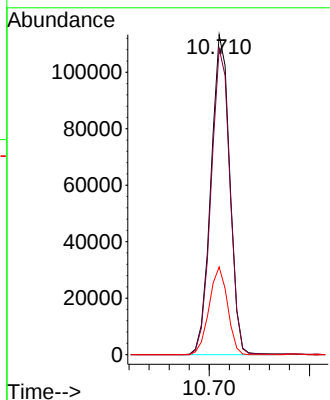


#42
2,4,6-Tribromophenol
Concen: 133.420 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

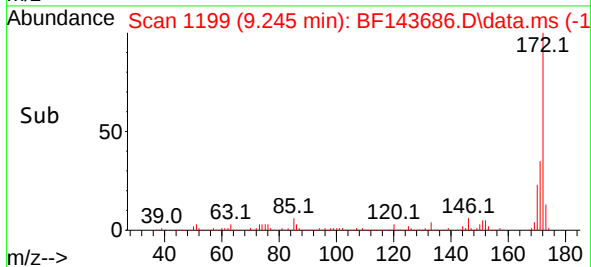
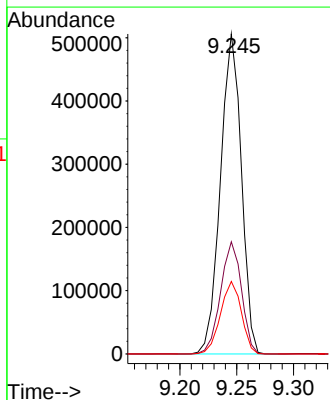
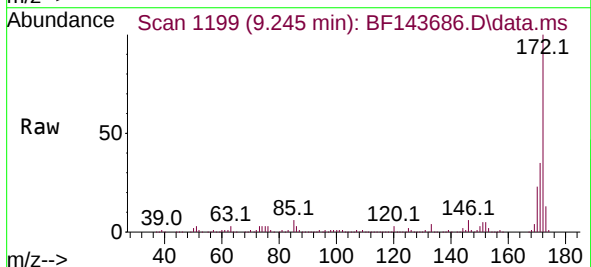


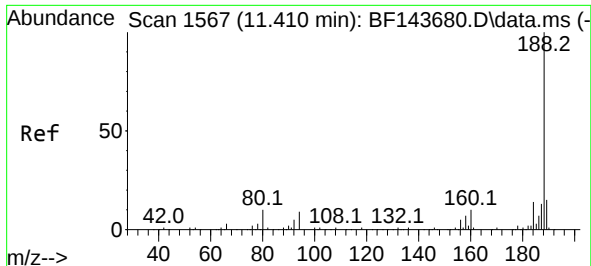
Tgt Ion:330 Resp: 147769
Ion Ratio Lower Upper
330 100
332 95.3 79.2 118.8
141 26.7 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 89.002 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

Tgt Ion:172 Resp: 647509
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 22.6 18.6 27.8

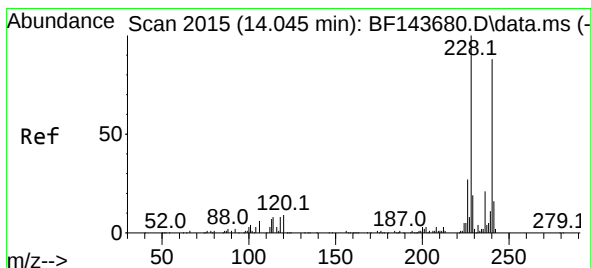
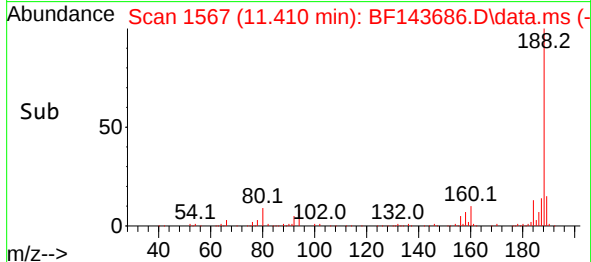
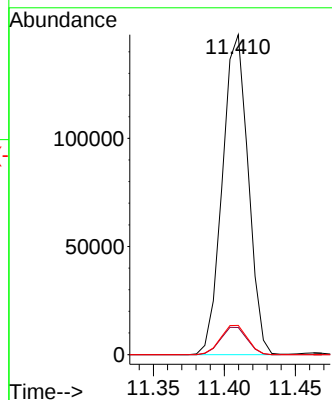
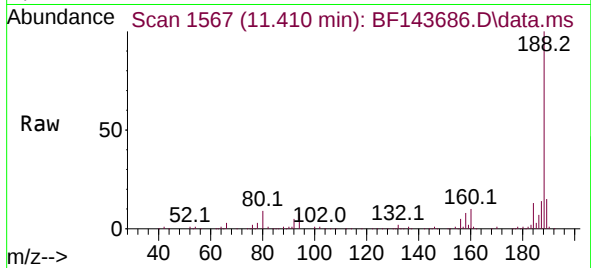




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

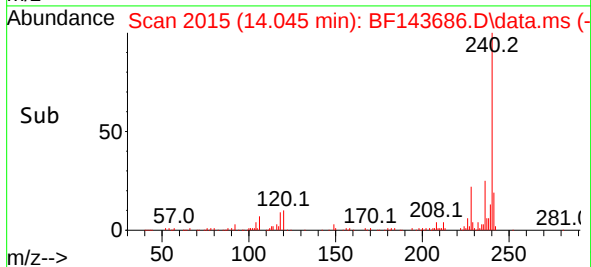
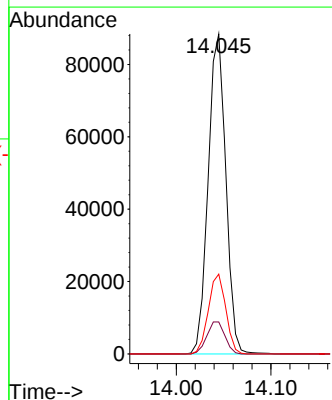
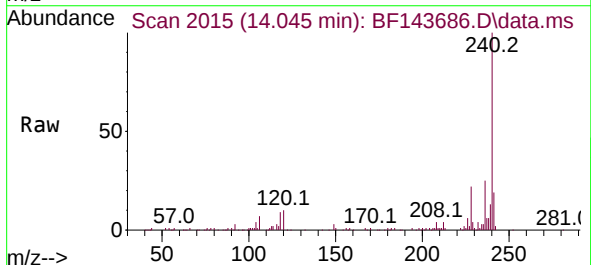
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ClientSampleId :
LOQ-SOIL-02-QT3-2025

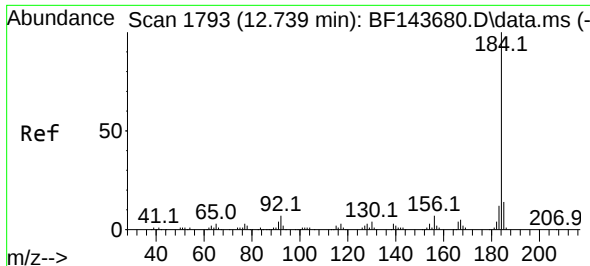
Tgt Ion:188 Resp: 187398
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.0
80 9.1 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

Tgt Ion:240 Resp: 114745
Ion Ratio Lower Upper
240 100
120 10.0 8.4 12.6
236 25.0 18.6 28.0

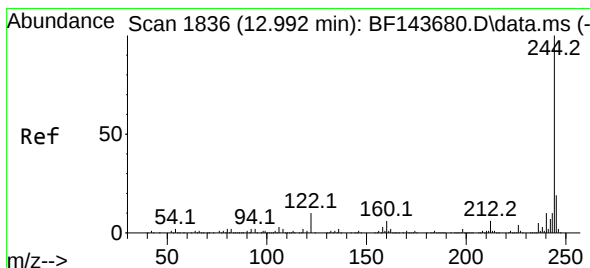
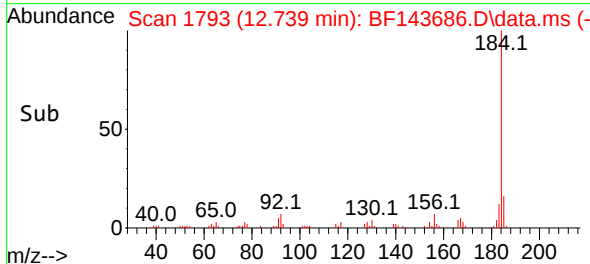
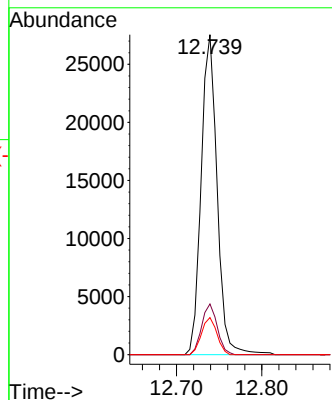
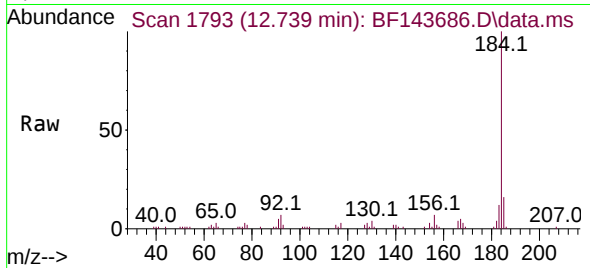




#77
Benzidine
Concen: 9.570 ng
RT: 12.739 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

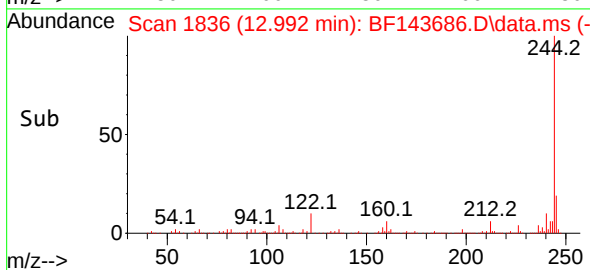
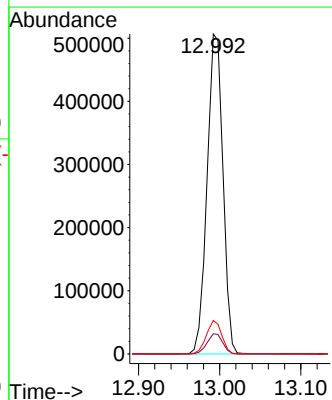
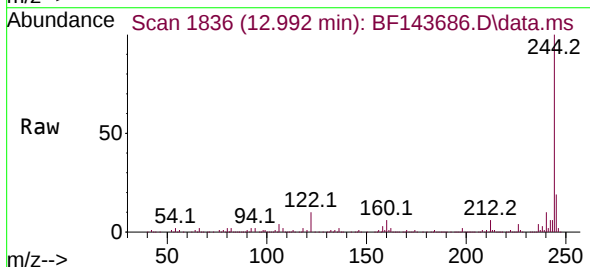
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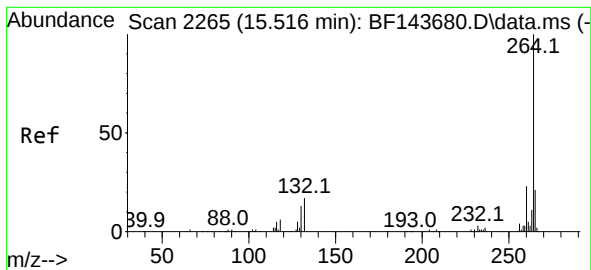
Tgt Ion:184 Resp: 35809
Ion Ratio Lower Upper
184 100
185 15.8 11.5 17.3
183 11.6 9.4 14.2



#79
Terphenyl-d14
Concen: 97.481 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.000 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

Tgt Ion:244 Resp: 690239
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.6
122 10.4 7.9 11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143686.D
Acq: 09 Sep 2025 16:01

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:264 Resp: 114799
Ion Ratio Lower Upper
264 100
260 23.1 18.4 27.6
265 20.9 17.1 25.7

