

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
 Data File : BF143637.D
 Acq On : 04 Sep 2025 11:48
 Operator : RC/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 2.5PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 04 12:39:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

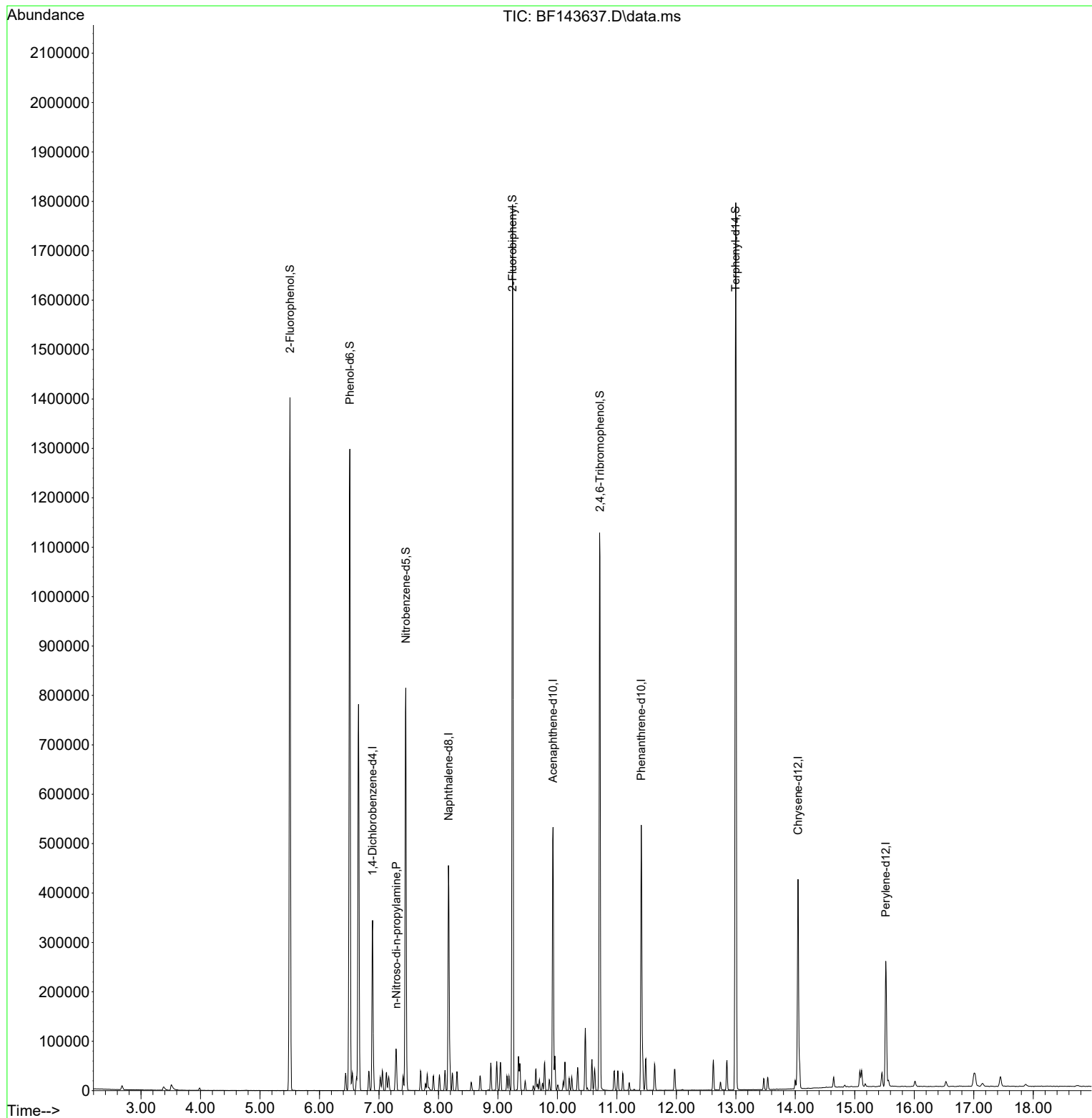
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	74292	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	285930	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	167244	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	276609	20.000	ng	0.00
76) Chrysene-d12	14.045	240	192210	20.000	ng	0.00
86) Perylene-d12	15.521	264	157085	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	550461	131.263	ng	0.00
7) Phenol-d6	6.510	99	680724	130.786	ng	0.00
23) Nitrobenzene-d5	7.451	82	365850	89.929	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	208346	148.974	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	809847	77.363	ng	0.00
79) Terphenyl-d14	12.998	244	880798	76.354	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.293	70	7982	2.408	ng	Qvalue 95

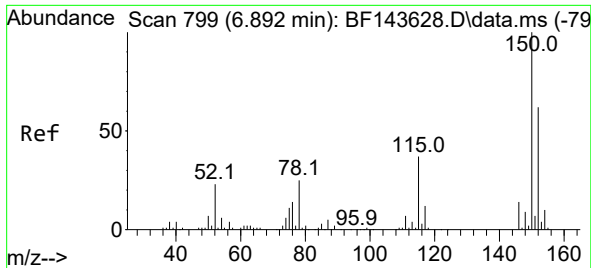
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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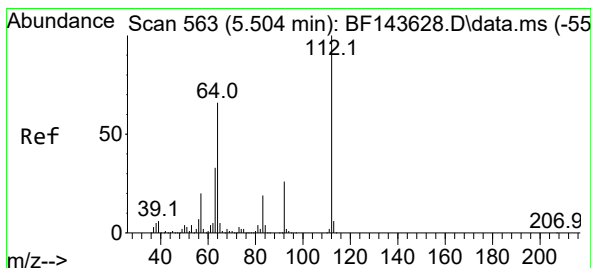
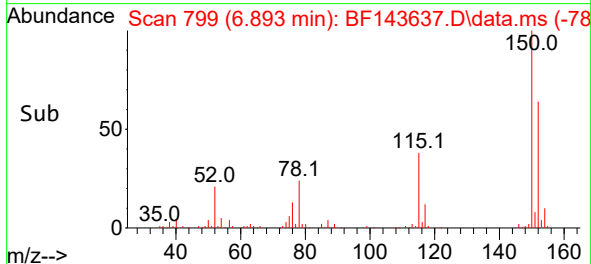
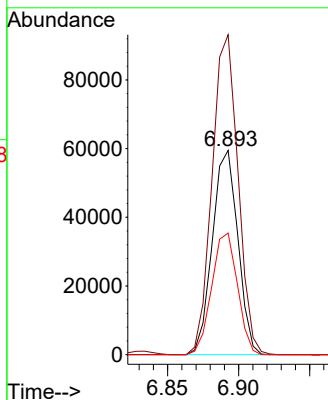
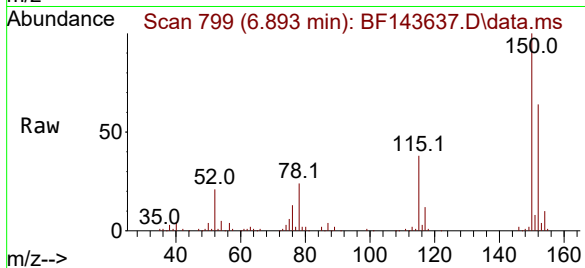




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. 0.001 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

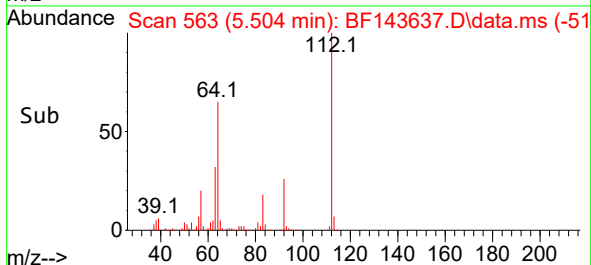
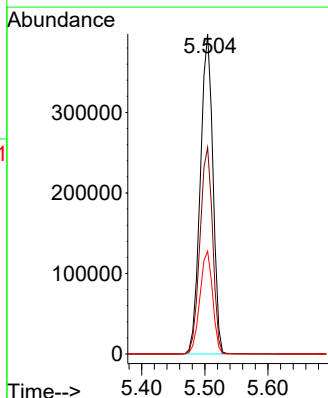
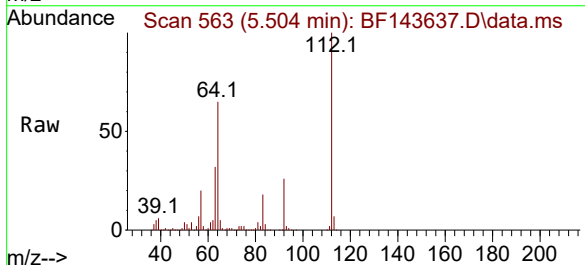
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

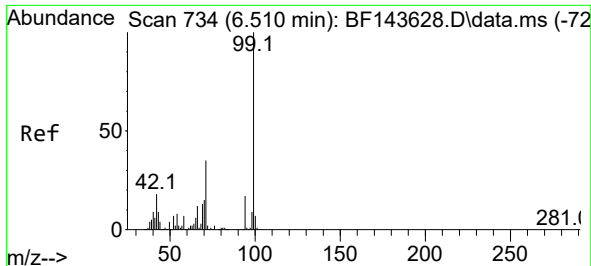
Tgt Ion:152 Resp: 74292
Ion Ratio Lower Upper
152 100
150 156.6 128.4 192.6
115 59.6 47.9 71.9



#5
2-Fluorophenol
Concen: 131.263 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

Tgt Ion:112 Resp: 550461
Ion Ratio Lower Upper
112 100
64 64.5 52.7 79.1
63 32.1 26.5 39.7

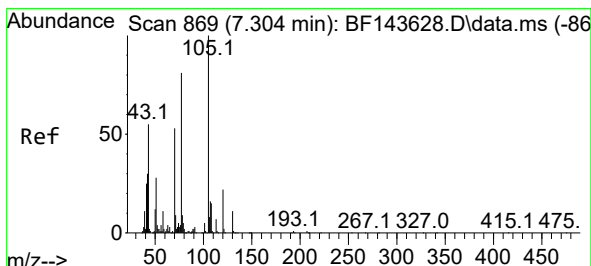
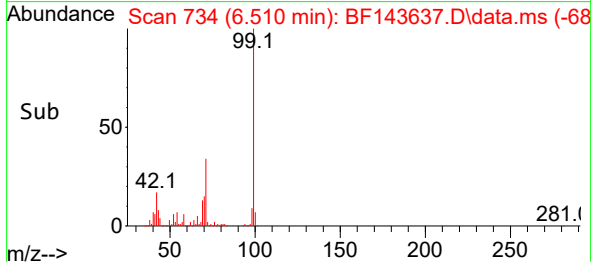
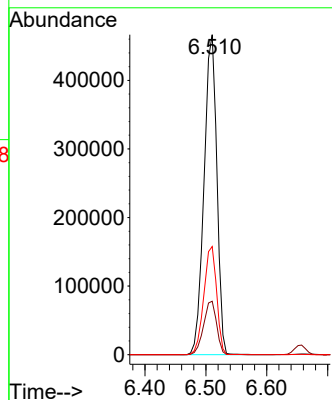
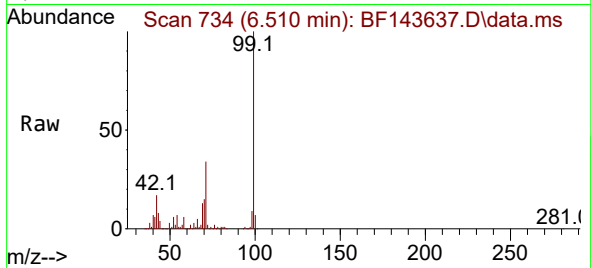




#7
Phenol-d6
Concen: 130.786 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

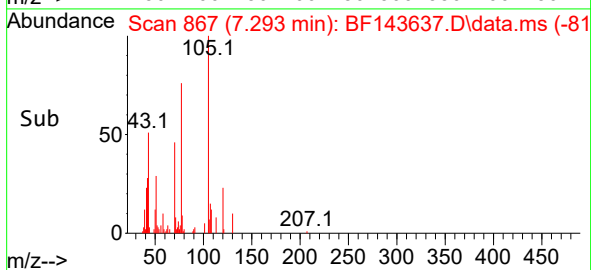
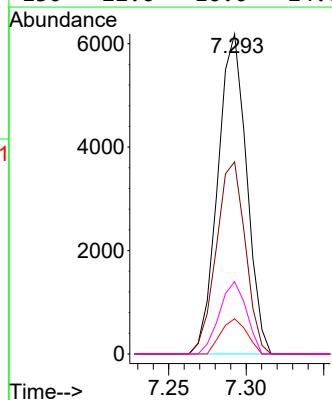
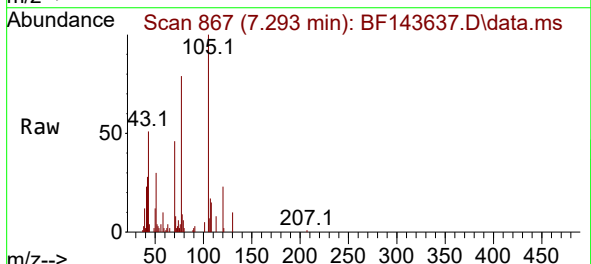
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

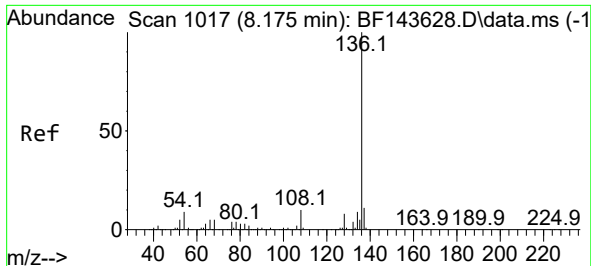
Tgt Ion: 99 Resp: 680724
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 33.8 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.408 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

Tgt Ion: 70 Resp: 7982
Ion Ratio Lower Upper
70 100
42 60.0 45.2 67.8
101 11.0 7.6 11.4
130 22.6 16.0 24.0

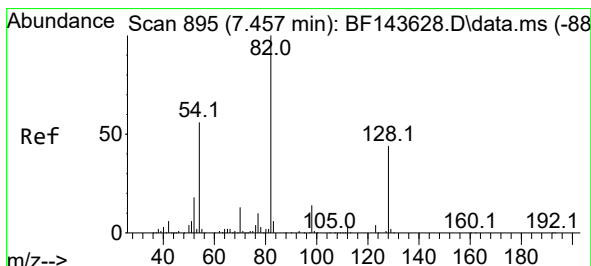
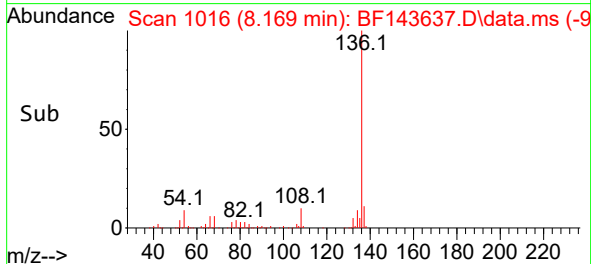
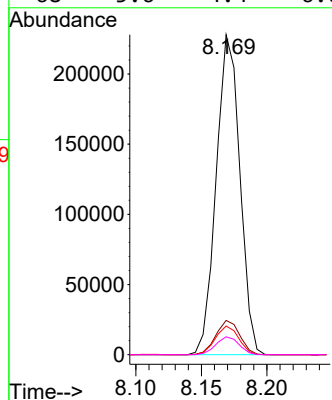
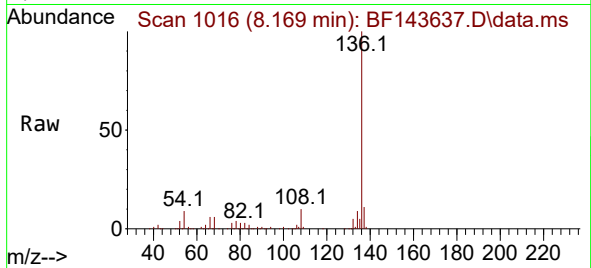




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

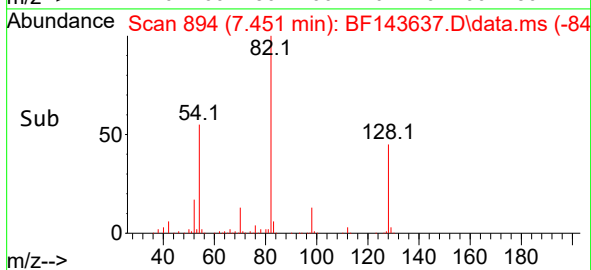
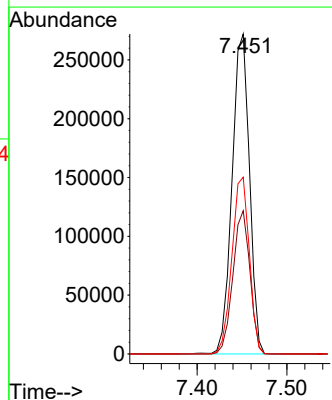
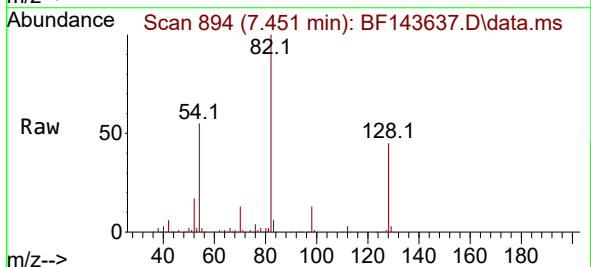
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

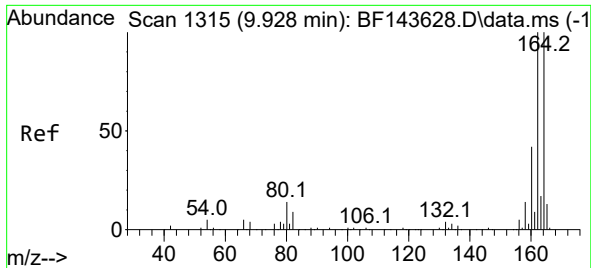
Tgt Ion:136 Resp: 285930
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.9 7.3 10.9
68 5.6 4.4 6.6



#23
Nitrobenzene-d5
Concen: 89.929 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

Tgt Ion: 82 Resp: 365850
Ion Ratio Lower Upper
82 100
128 44.8 34.7 52.1
54 55.3 44.8 67.2

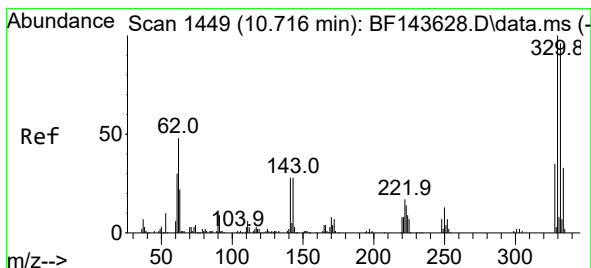
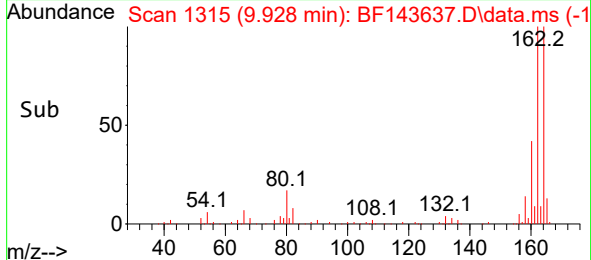
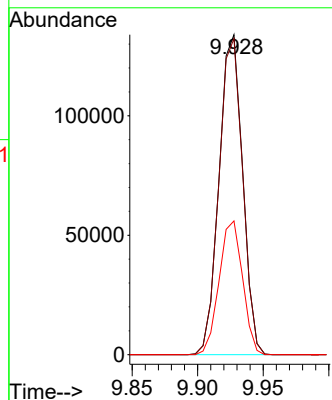
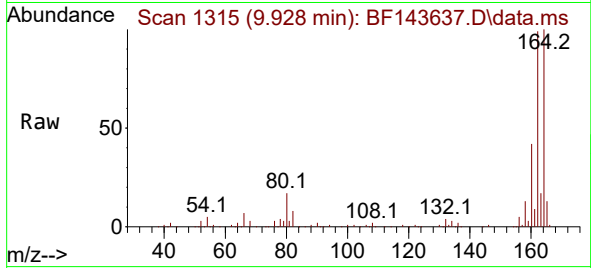




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

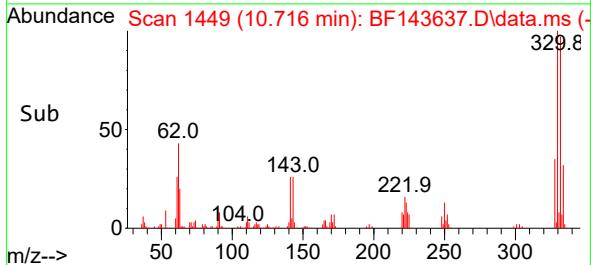
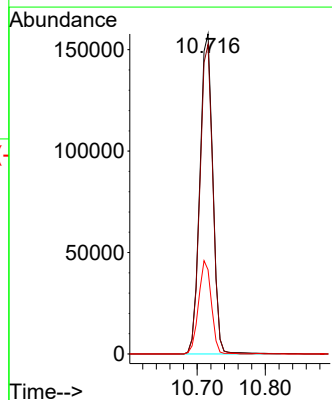
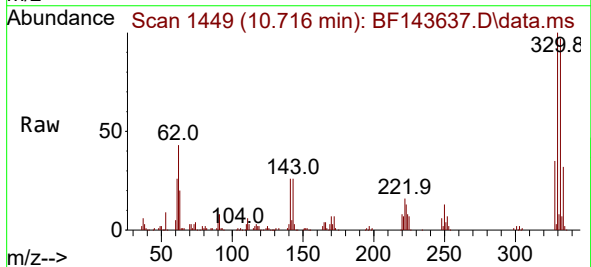
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

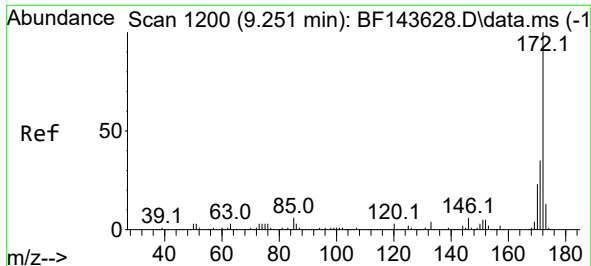
Tgt Ion:164 Resp: 167244
Ion Ratio Lower Upper
164 100
162 98.8 80.3 120.5
160 41.8 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 148.974 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143637.D
Acq: 04 Sep 2025 11:48

Tgt Ion:330 Resp: 208346
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 28.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 77.363 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

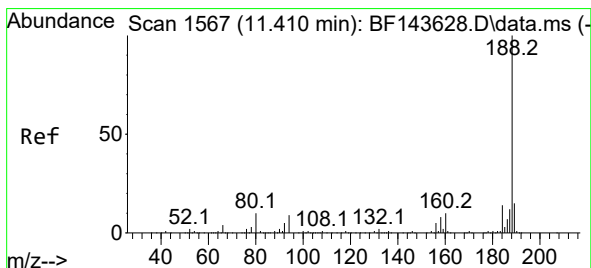
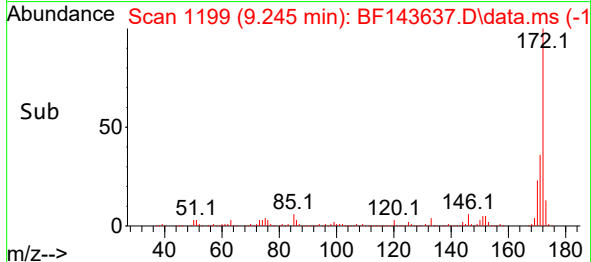
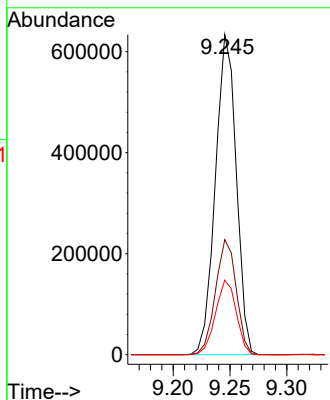
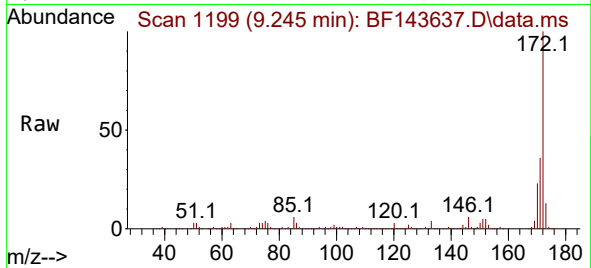
Tgt Ion:172 Resp: 809847

Ion Ratio Lower Upper

172 100

171 36.0 28.1 42.1

170 23.3 18.6 28.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

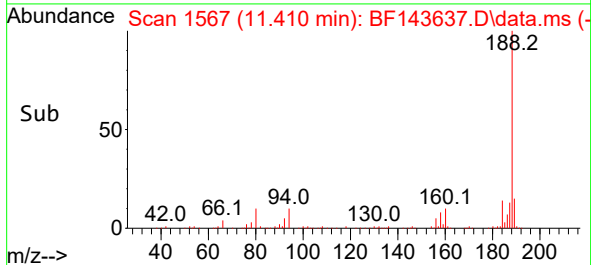
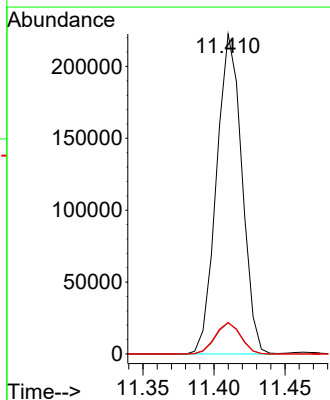
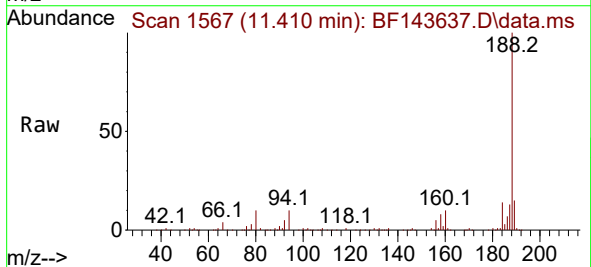
Tgt Ion:188 Resp: 276609

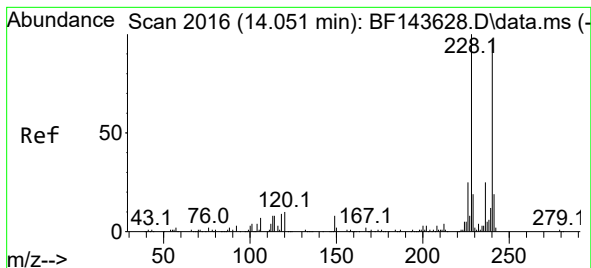
Ion Ratio Lower Upper

188 100

94 9.7 7.5 11.3

80 9.9 8.4 12.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143637.D

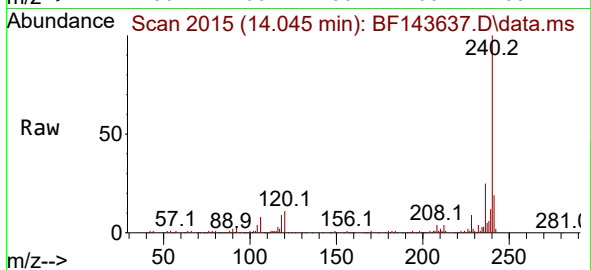
Acq: 04 Sep 2025 11:48

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025



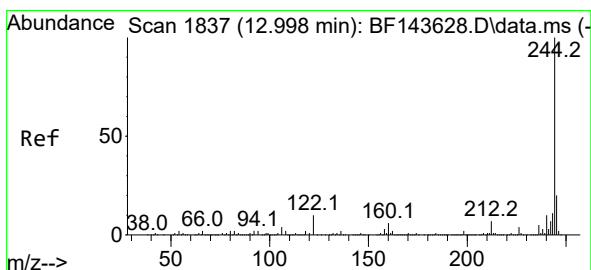
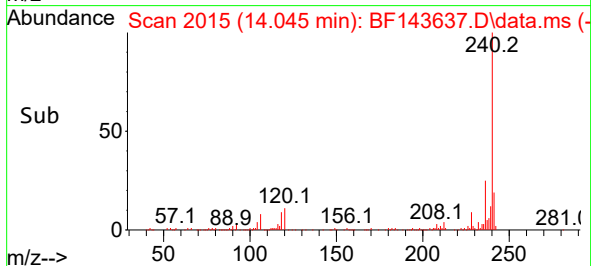
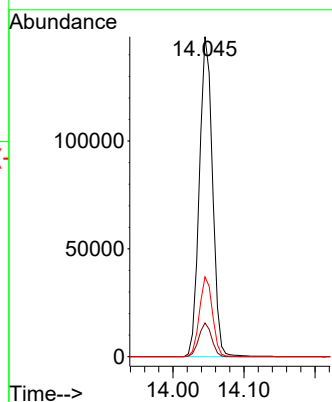
Tgt Ion:240 Resp: 192210

Ion Ratio Lower Upper

240 100

120 10.5 8.0 12.0

236 25.0 20.5 30.7



#79

Terphenyl-d14

Concen: 76.354 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

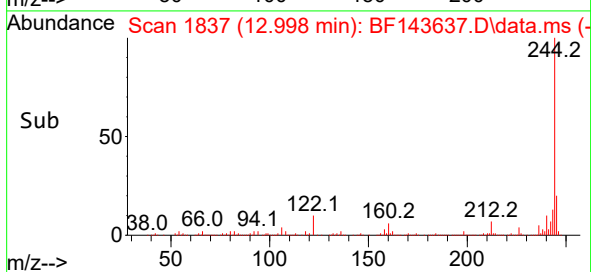
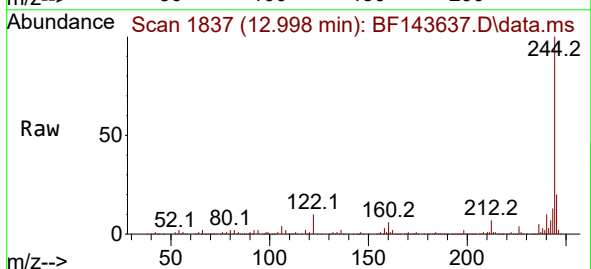
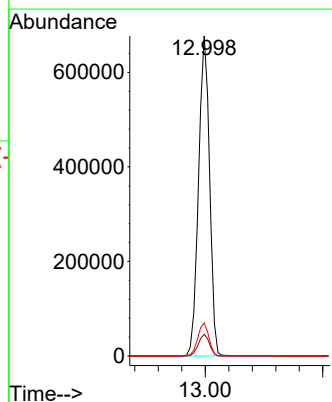
Tgt Ion:244 Resp: 880798

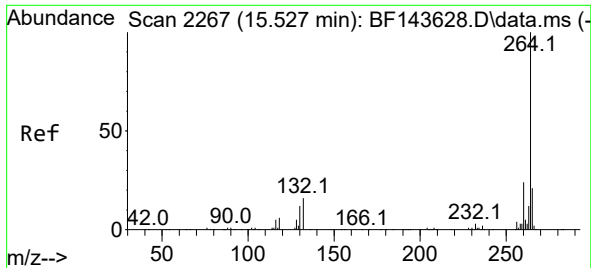
Ion Ratio Lower Upper

244 100

212 6.8 5.3 7.9

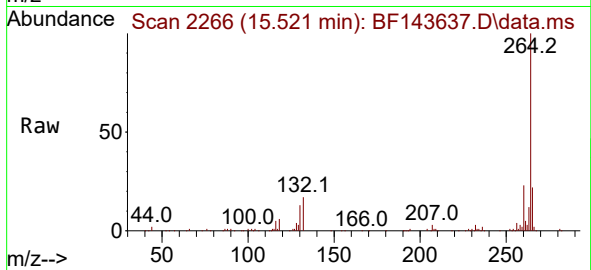
122 10.3 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143637.D
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Instrument :
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Tgt Ion:264	Resp:	157085
Ion	Ratio	Lower Upper
264	100	
260	23.2	18.9 28.3
265	21.5	17.1 25.7

