

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144469.D
 Acq On : 15 Dec 2025 12:43
 Operator : RC/JU
 Sample : Q3530-01
 Misc : LOD-SOIL-2.5NG
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Dec 15 13:03:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

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

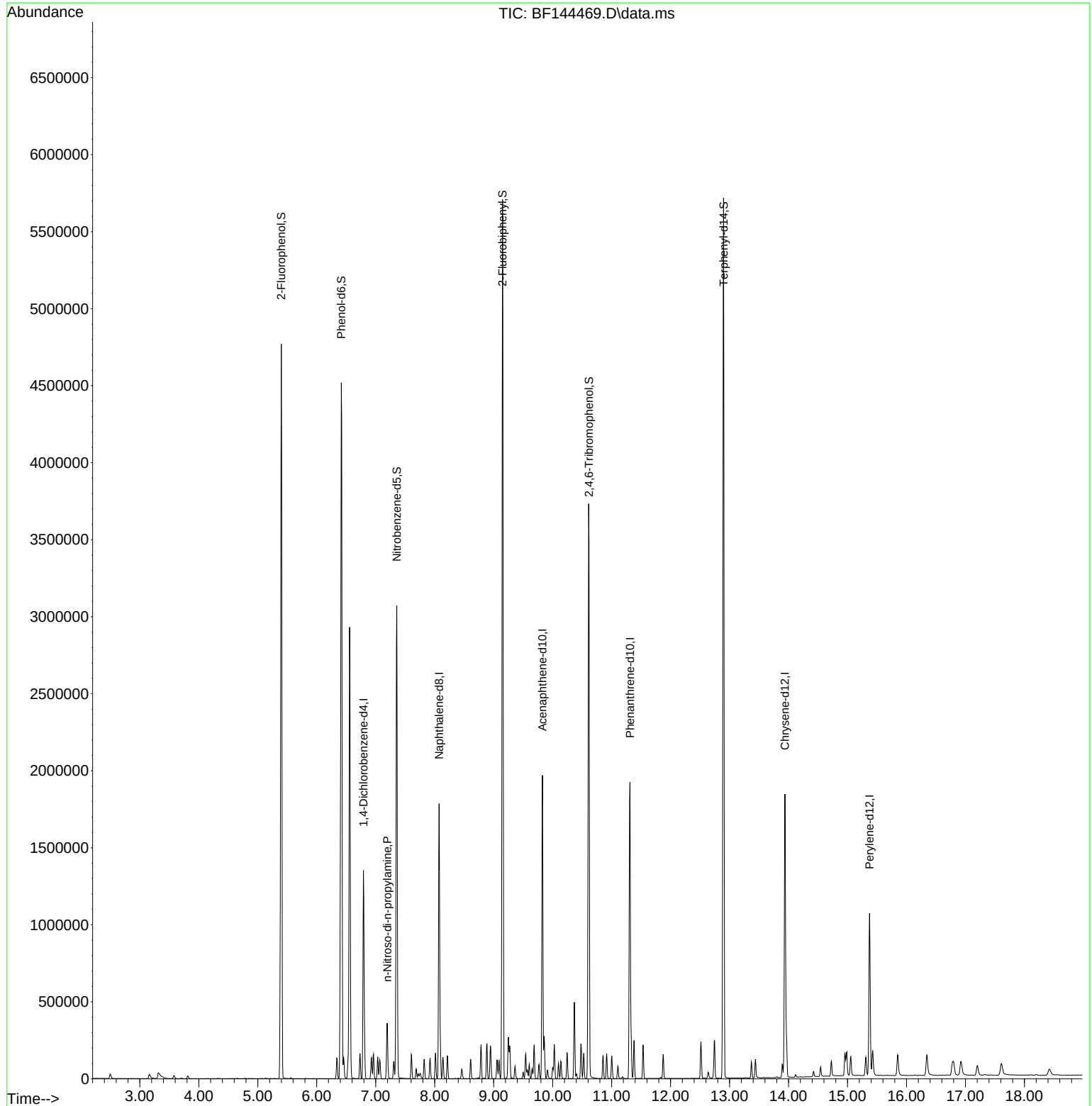
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	273318	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	1074301	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	573826	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	974327	20.000	ng	0.00
76) Chrysene-d12	13.939	240	780355	20.000	ng	0.00
86) Perylene-d12	15.374	264	594597	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1969311	108.641	ng	0.00
7) Phenol-d6	6.416	99	2487567	110.021	ng	0.00
23) Nitrobenzene-d5	7.357	82	1416871	82.533	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	693384	133.653	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2494710	66.694	ng	0.00
79) Terphenyl-d14	12.898	244	2766408	55.969	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.198	70	31459	2.203	ng	Qvalue 99

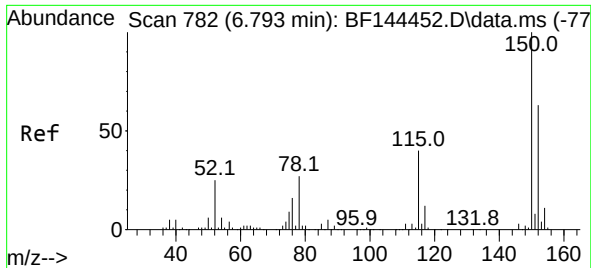
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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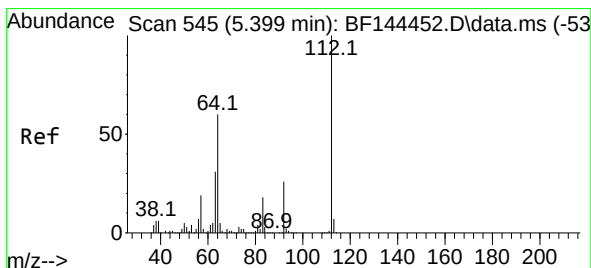
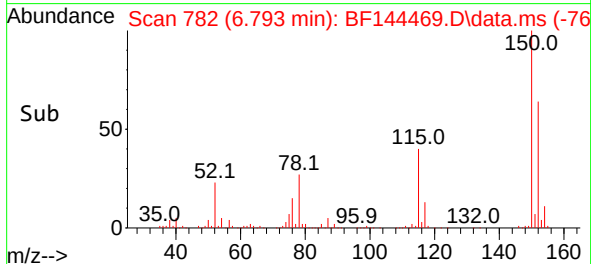
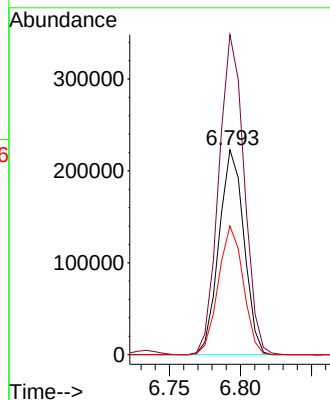
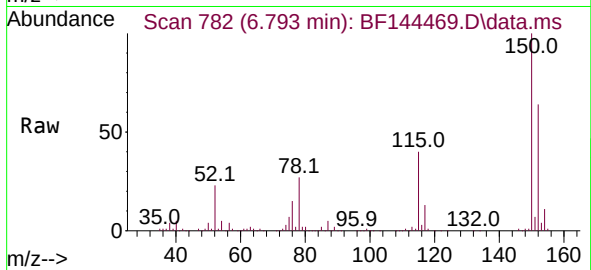




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

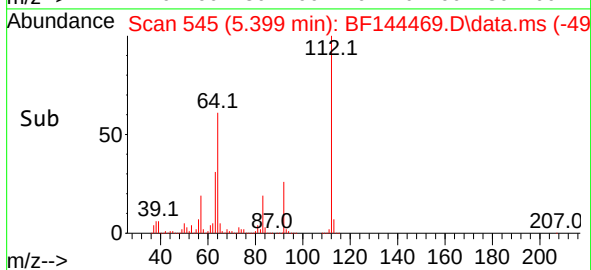
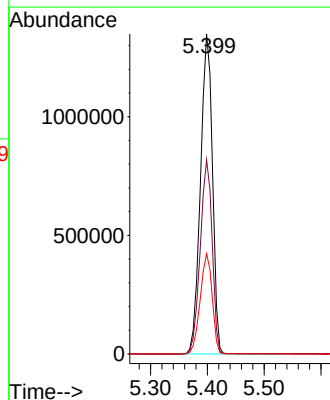
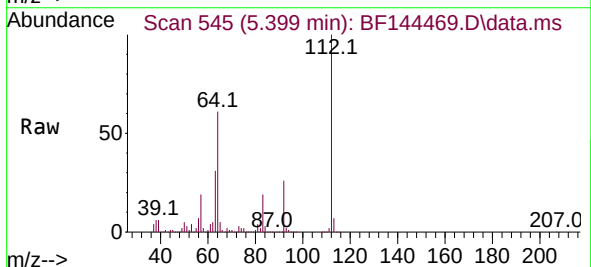
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

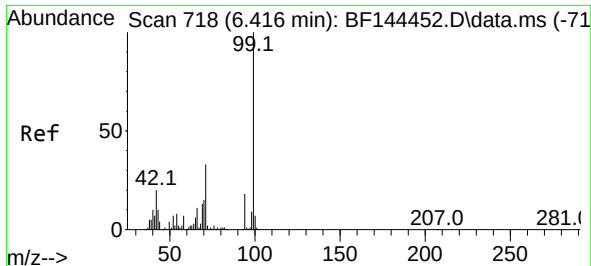
Tgt Ion:152 Resp: 273318
Ion Ratio Lower Upper
152 100
150 156.3 127.4 191.2
115 62.8 51.4 77.0



#5
2-Fluorophenol
Concen: 108.641 ng
RT: 5.399 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

Tgt Ion:112 Resp: 1969311
Ion Ratio Lower Upper
112 100
64 60.7 47.8 71.6
63 31.3 24.6 37.0

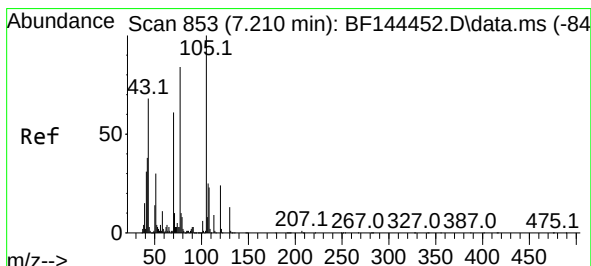
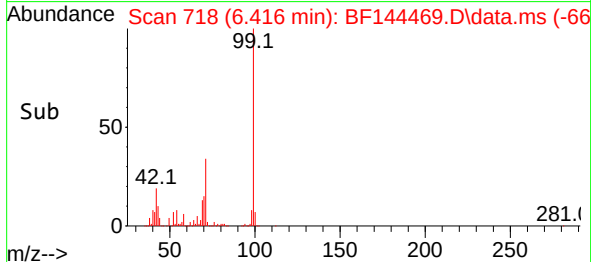
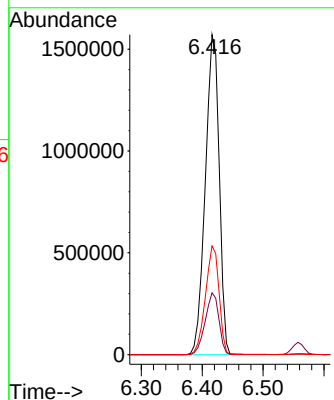
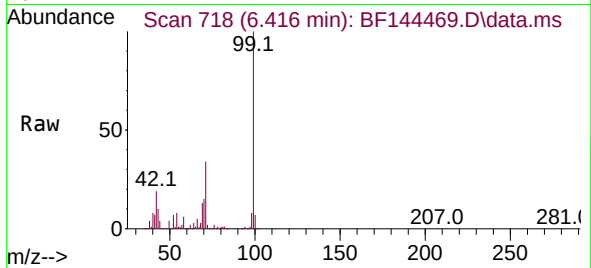




#7
Phenol-d6
Concen: 110.021 ng
RT: 6.416 min Scan# 718
Delta R.T. 0.000 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

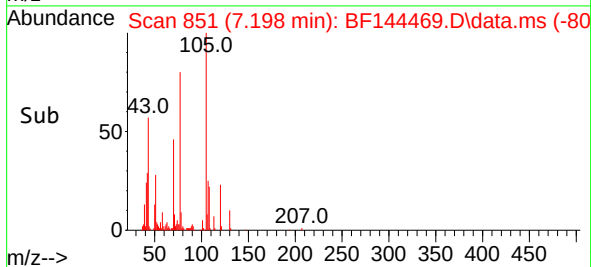
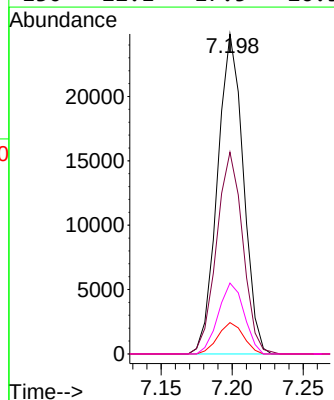
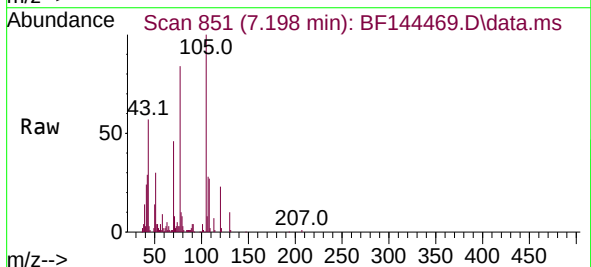
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

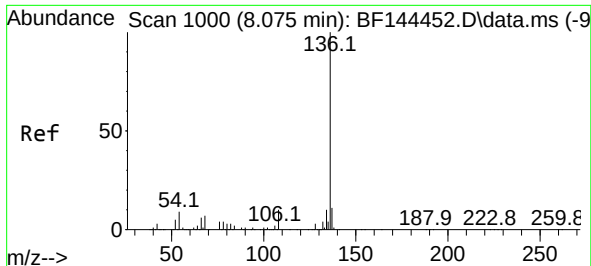
Tgt Ion: 99 Resp: 2487567
Ion Ratio Lower Upper
99 100
42 19.3 15.7 23.5
71 34.0 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.203 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

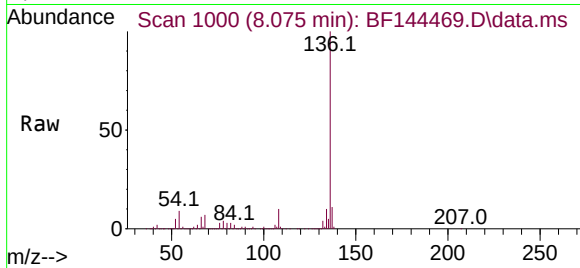
Tgt Ion: 70 Resp: 31459
Ion Ratio Lower Upper
70 100
42 63.0 49.4 74.0
101 9.8 7.8 11.6
130 22.1 17.5 26.3





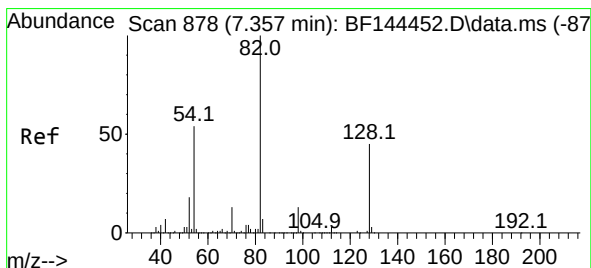
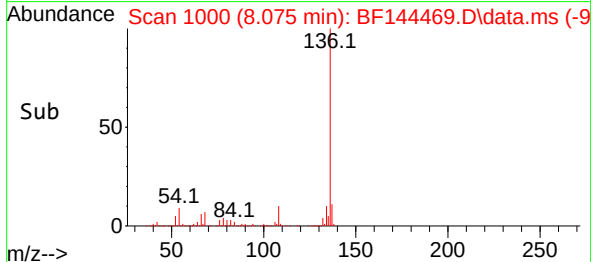
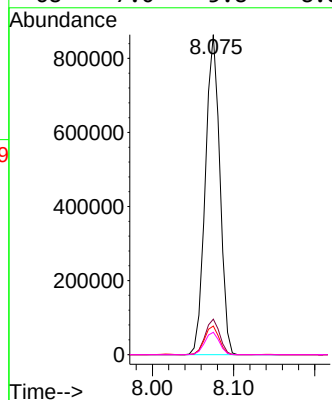
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:136 Resp: 1074301

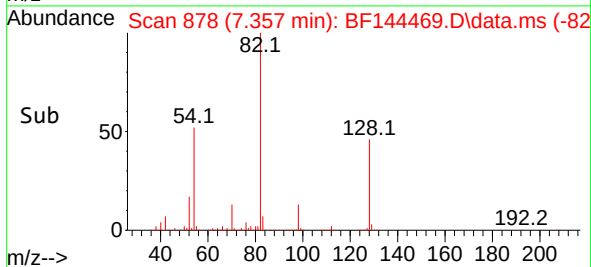
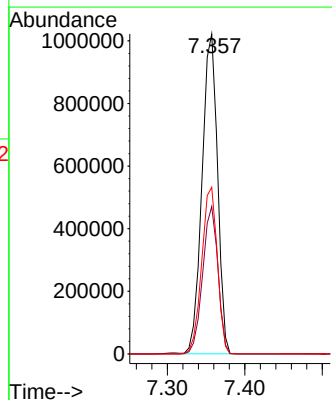
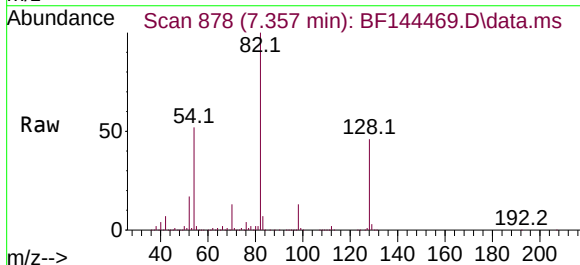
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.9	7.5	11.3
68	7.0	5.8	8.8

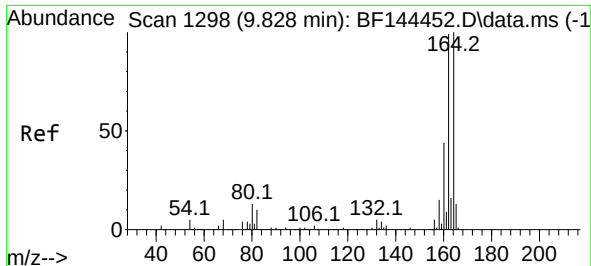


#23
Nitrobenzene-d5
Concen: 82.533 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

Tgt Ion: 82 Resp: 1416871

Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.5	53.3
54	52.1	43.3	64.9

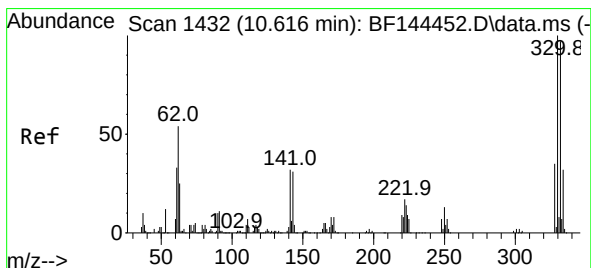
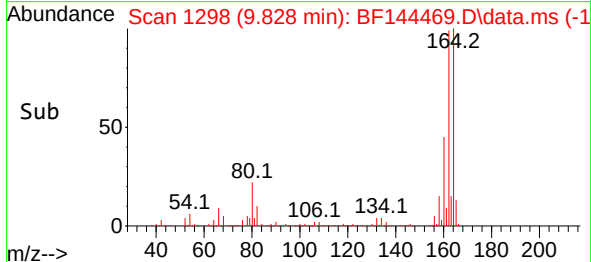
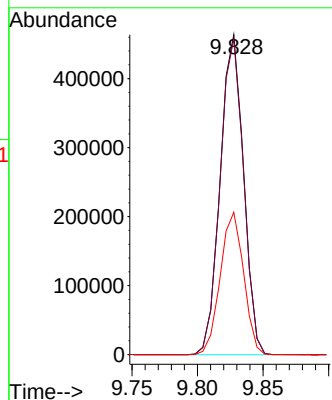
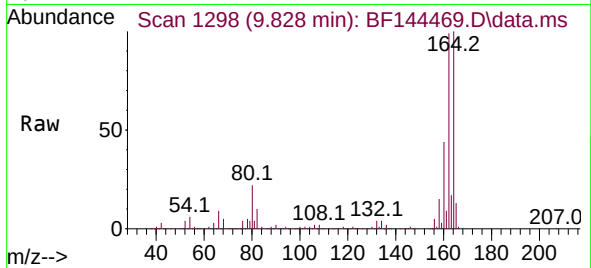




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

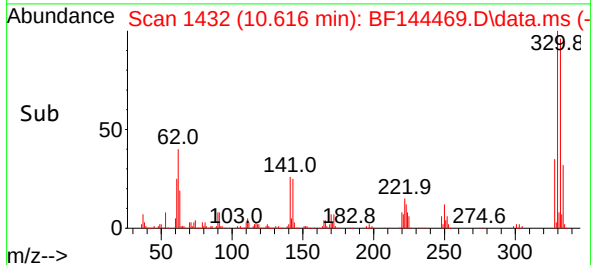
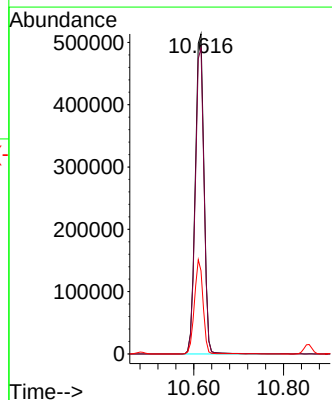
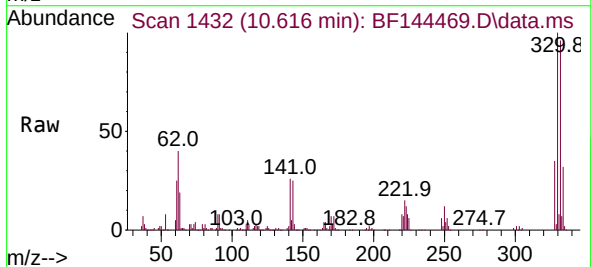
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

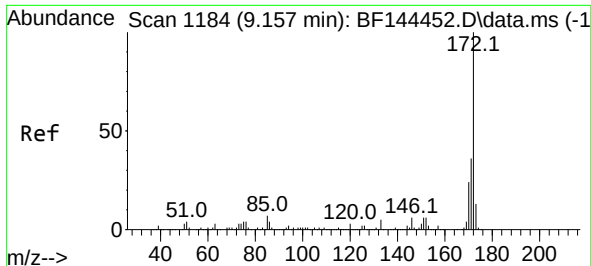
Tgt Ion:164 Resp: 573826
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 44.5 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 133.653 ng
RT: 10.616 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF144469.D
Acq: 15 Dec 2025 12:43

Tgt Ion:330 Resp: 693384
Ion Ratio Lower Upper
330 100
332 95.4 77.5 116.3
141 28.9 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 66.694 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144469.D

Acq: 15 Dec 2025 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

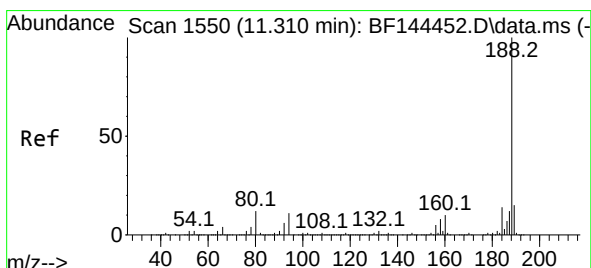
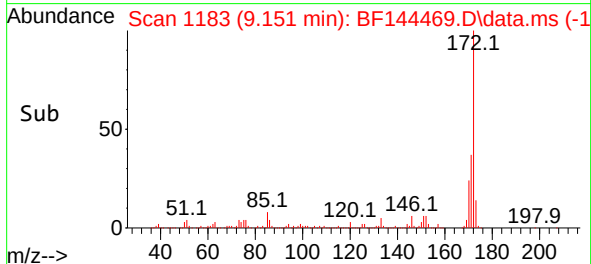
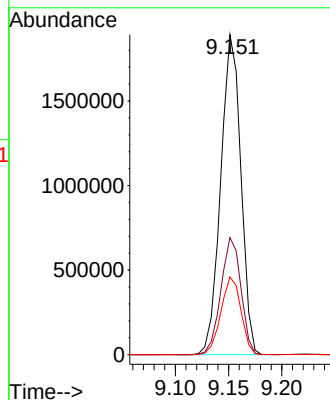
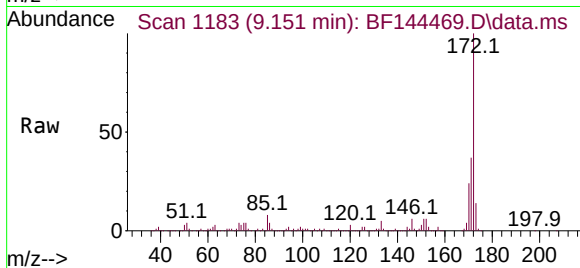
Tgt Ion:172 Resp: 2494710

Ion Ratio Lower Upper

172 100

171 36.6 28.7 43.1

170 24.3 19.3 28.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF144469.D

Acq: 15 Dec 2025 12:43

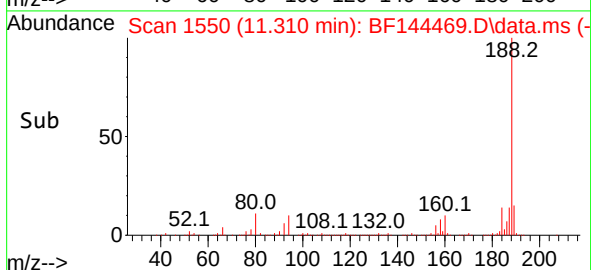
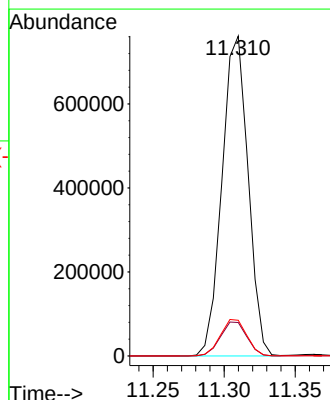
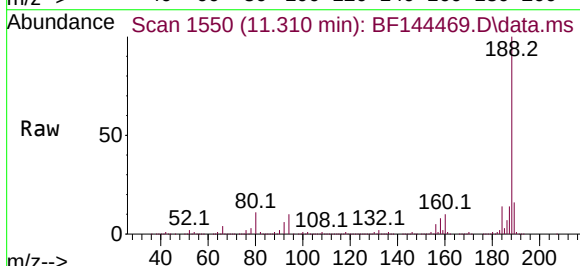
Tgt Ion:188 Resp: 974327

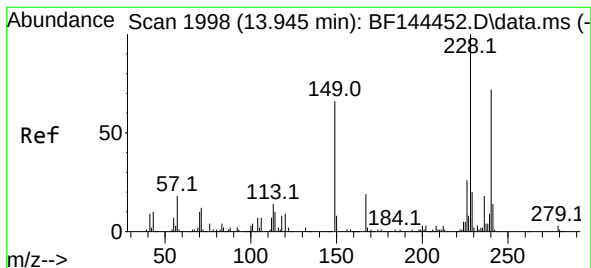
Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.6

80 11.1 9.8 14.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF144469.D

Acq: 15 Dec 2025 12:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

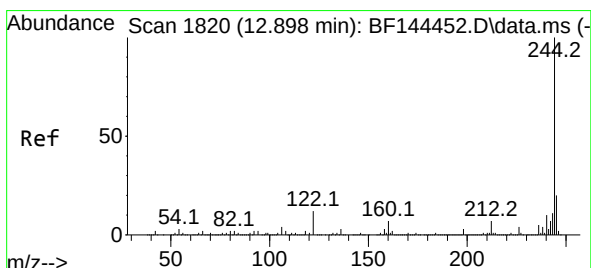
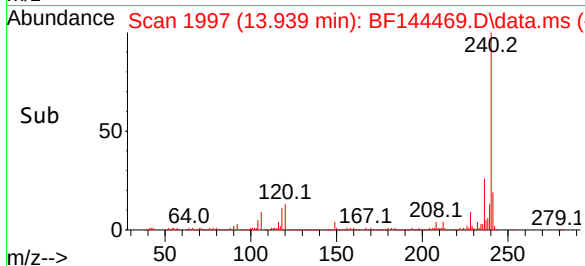
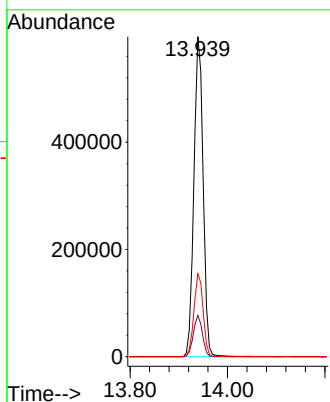
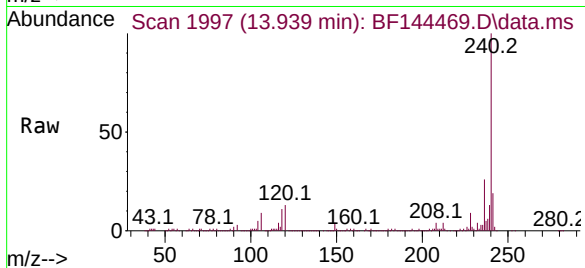
Tgt Ion:240 Resp: 780355

Ion Ratio Lower Upper

240 100

120 12.9 10.3 15.5

236 25.9 20.2 30.4



#79

Terphenyl-d14

Concen: 55.969 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.000 min

Lab File: BF144469.D

Acq: 15 Dec 2025 12:43

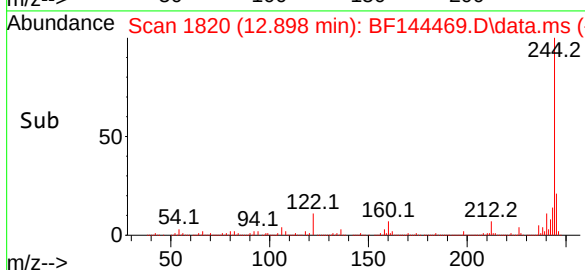
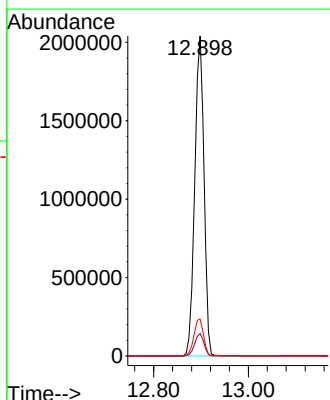
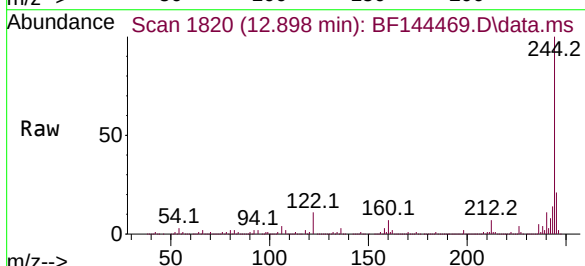
Tgt Ion:244 Resp: 2766408

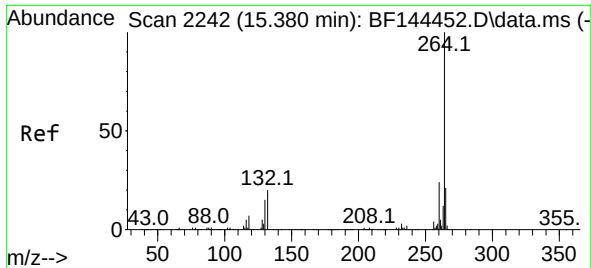
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

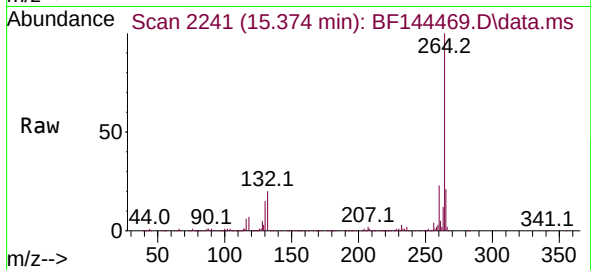
122 11.5 9.9 14.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.374 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF144469.D
 Acq: 15 Dec 2025 12:43

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:264 Resp: 594597
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 21.3 17.1 25.7

