

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144214.D
 Acq On : 11 Nov 2025 20:58
 Operator : RC/JU
 Sample : Q3599-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIVINGSTON-SOIL

Quant Time: Nov 12 03:45:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	72199	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	279903	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	169807	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	316465	20.000	ng	0.00
76) Chrysene-d12	14.057	240	207438	20.000	ng	0.00
86) Perylene-d12	15.539	264	192581	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	587543	127.347	ng	0.02
7) Phenol-d6	6.504	99	635749	121.611	ng	0.00
23) Nitrobenzene-d5	7.433	82	461640	95.254	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	327096	153.503	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	982916	85.491	ng	0.00
79) Terphenyl-d14	12.998	244	1296983	99.313	ng	0.00

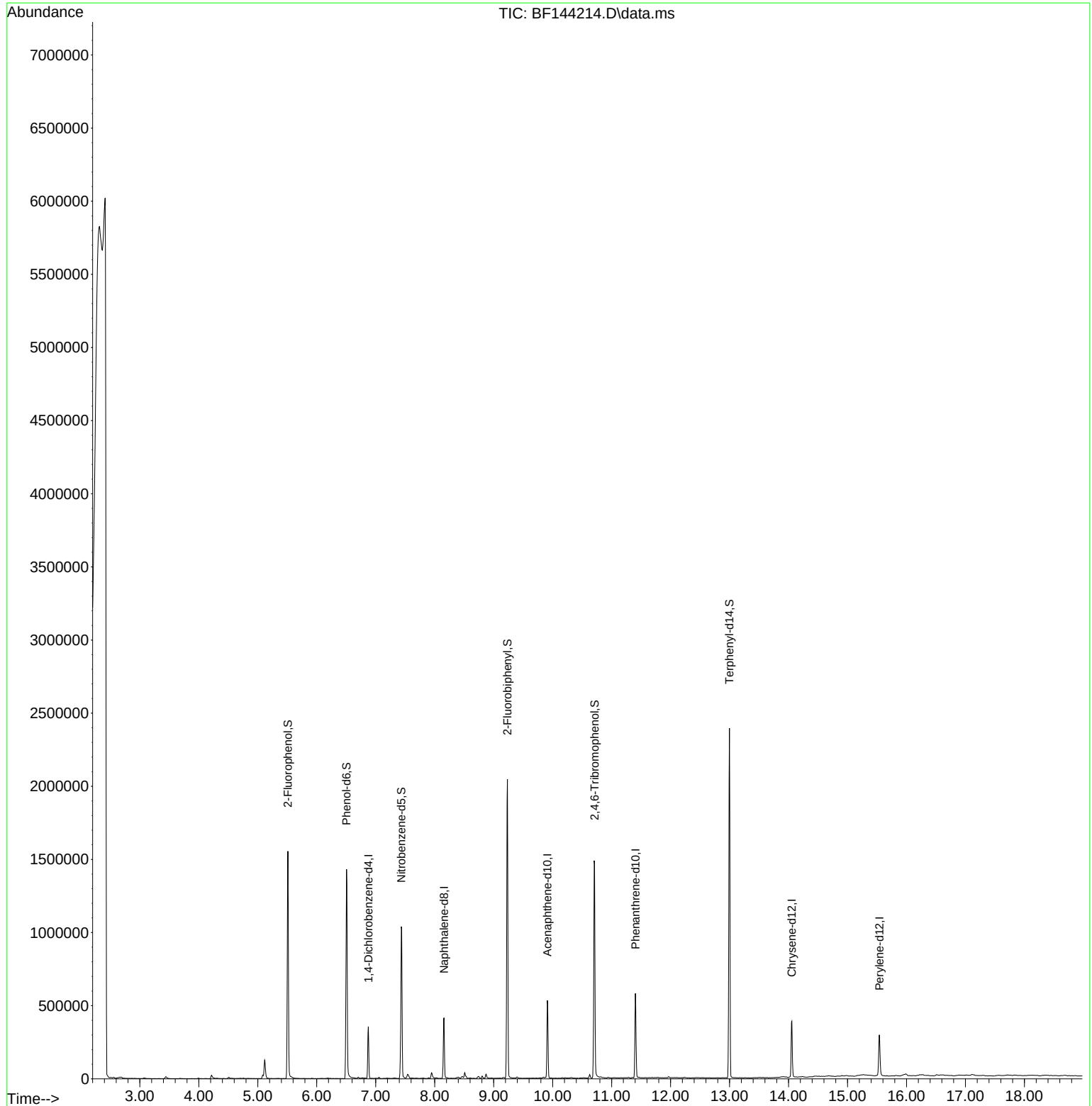
Target Compounds	Qvalue

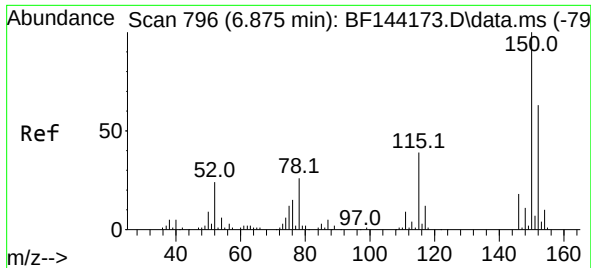
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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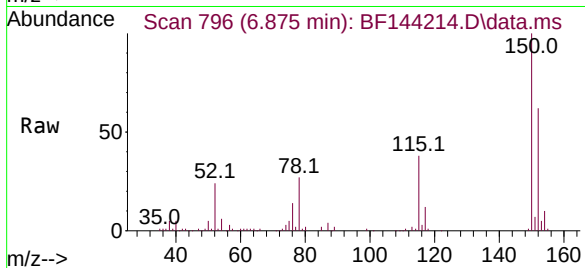
Quant Time: Nov 12 03:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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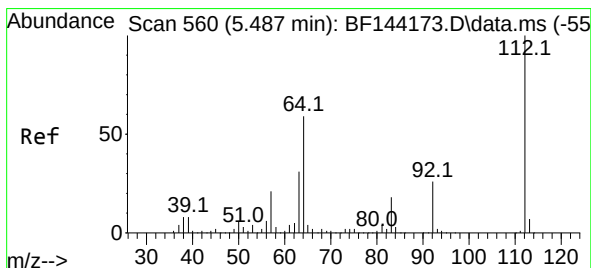
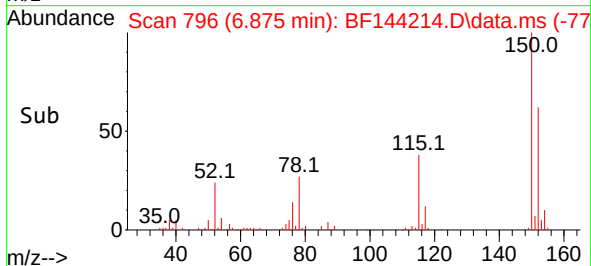
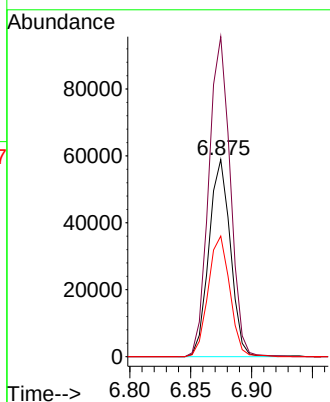


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144214.D
Acq: 11 Nov 2025 20:58

Instrument :
BNA_F
ClientSampleId :
LIVINGSTON-SOIL

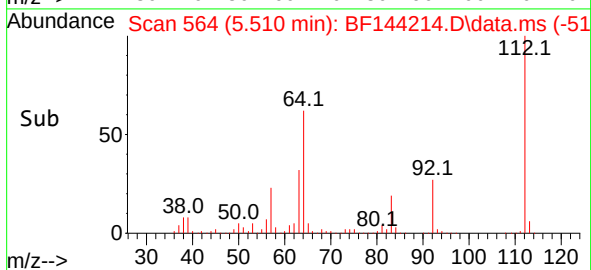
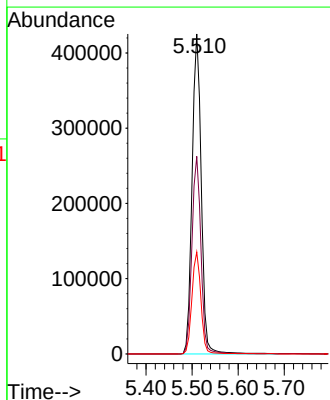
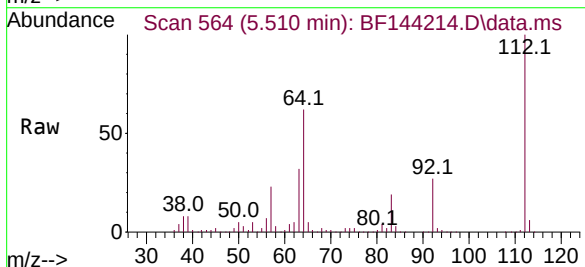


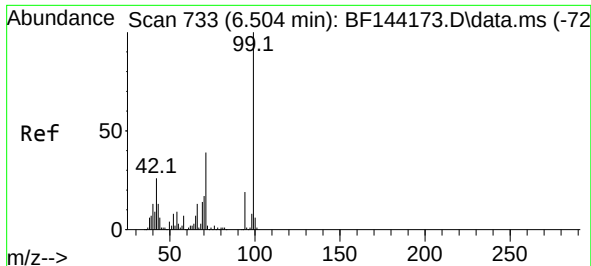
Tgt Ion:152 Resp: 72199
Ion Ratio Lower Upper
152 100
150 162.4 127.4 191.0
115 61.2 49.5 74.3



#5
2-Fluorophenol
Concen: 127.347 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.017 min
Lab File: BF144214.D
Acq: 11 Nov 2025 20:58

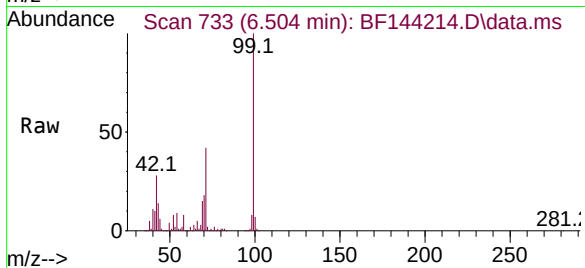
Tgt Ion:112 Resp: 587543
Ion Ratio Lower Upper
112 100
64 61.7 47.2 70.8
63 31.8 24.4 36.6



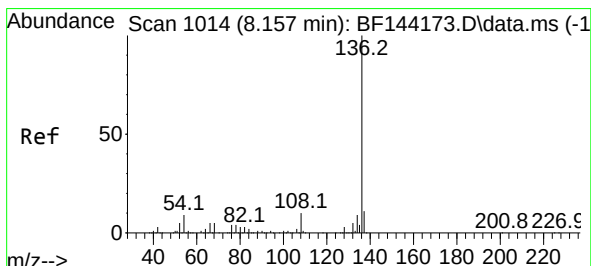
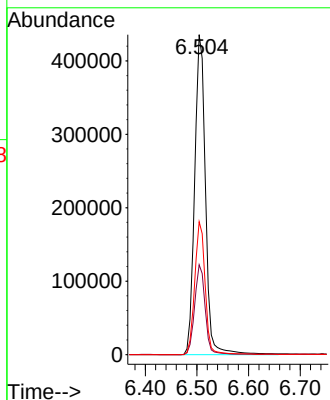
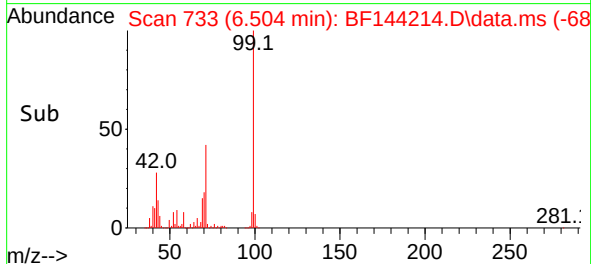


#7
Phenol-d6
Concen: 121.611 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF144214.D
Acq: 11 Nov 2025 20:58

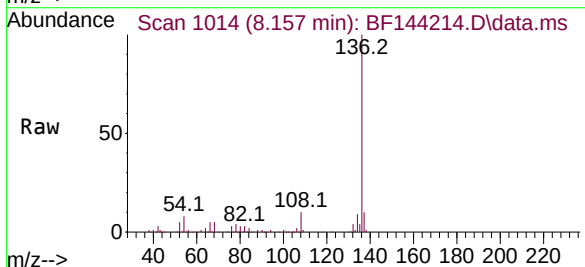
Instrument :
BNA_F
ClientSampleId :
LIVINGSTON-SOIL



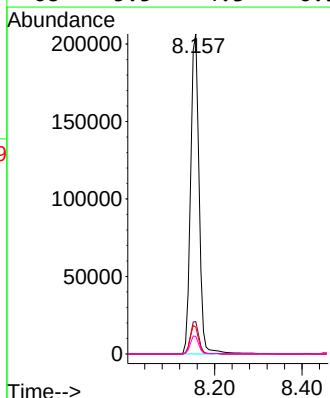
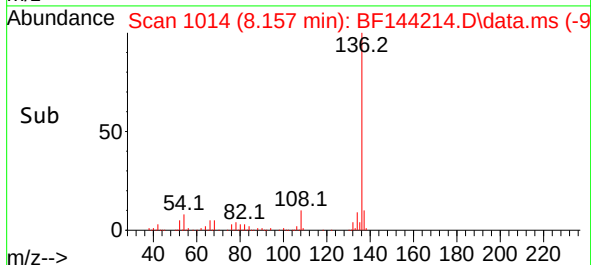
Tgt Ion: 99 Resp: 635749
Ion Ratio Lower Upper
99 100
42 28.1 20.9 31.3
71 41.5 31.4 47.2

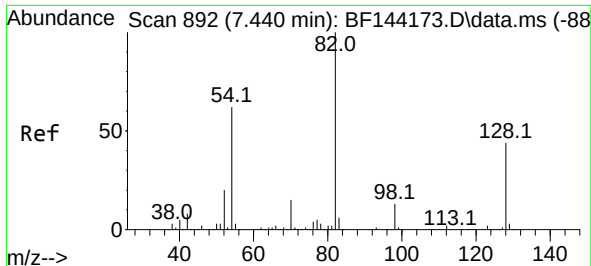


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144214.D
Acq: 11 Nov 2025 20:58



Tgt Ion: 136 Resp: 279903
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 8.4 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 95.254 ng

RT: 7.433 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF144214.D

Acq: 11 Nov 2025 20:58

Instrument :

BNA_F

ClientSampleId :

LIVINGSTON-SOIL

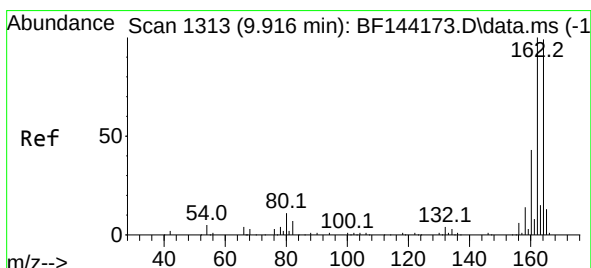
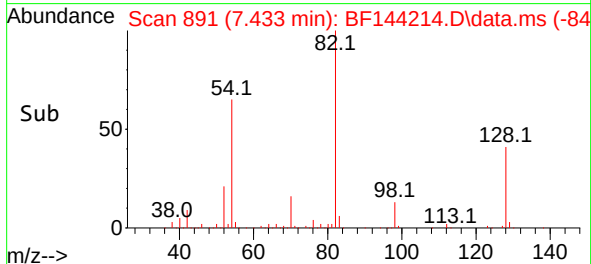
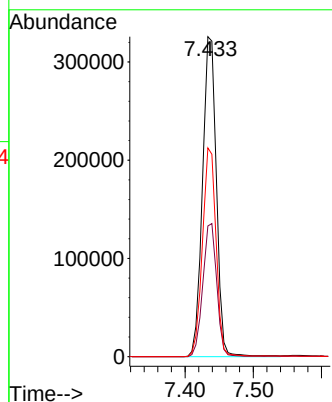
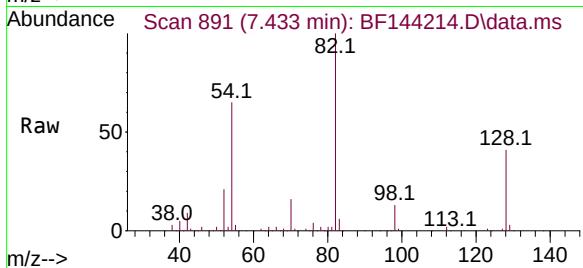
Tgt Ion: 82 Resp: 461640

Ion Ratio Lower Upper

82 100

128 40.8 34.7 52.1

54 65.2 49.5 74.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF144214.D

Acq: 11 Nov 2025 20:58

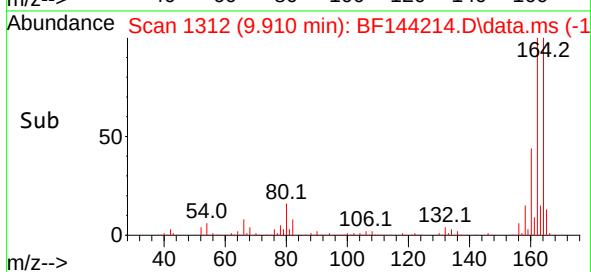
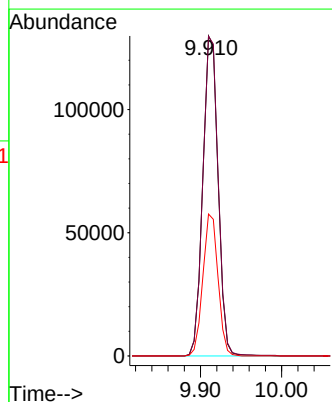
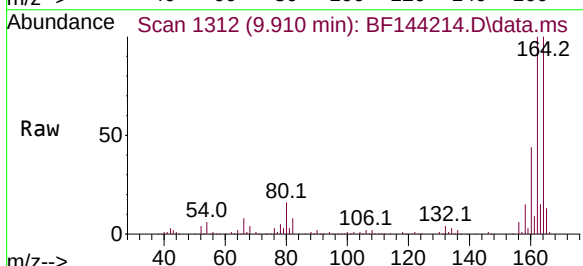
Tgt Ion:164 Resp: 169807

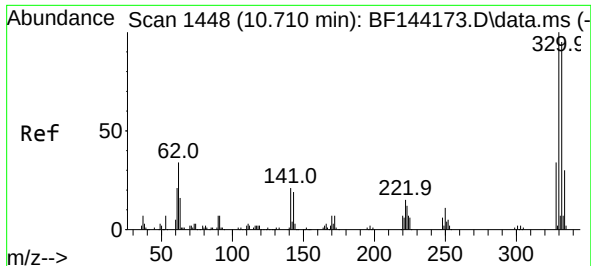
Ion Ratio Lower Upper

164 100

162 99.9 81.1 121.7

160 44.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 153.503 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF144214.D

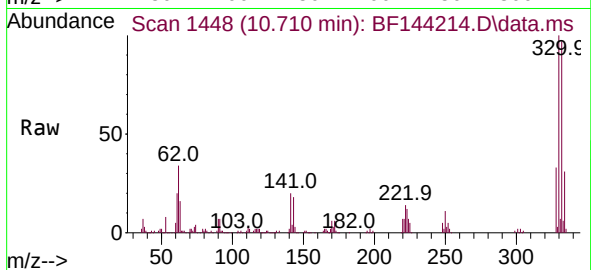
Acq: 11 Nov 2025 20:58

Instrument :

BNA_F

ClientSampleId :

LIVINGSTON-SOIL



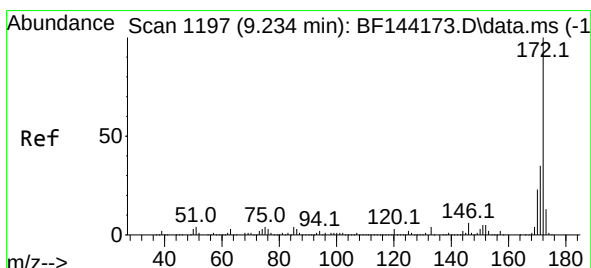
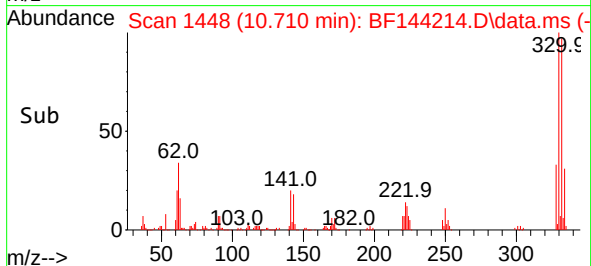
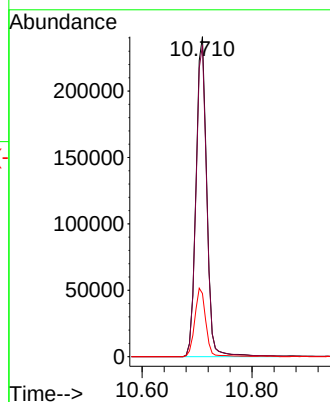
Tgt Ion:330 Resp: 327096

Ion Ratio Lower Upper

330 100

332 97.7 76.7 115.1

141 21.9 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 85.491 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF144214.D

Acq: 11 Nov 2025 20:58

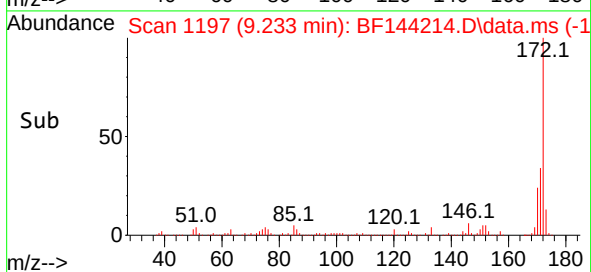
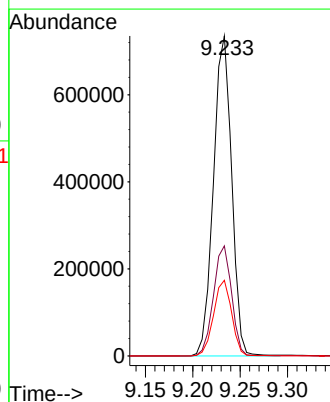
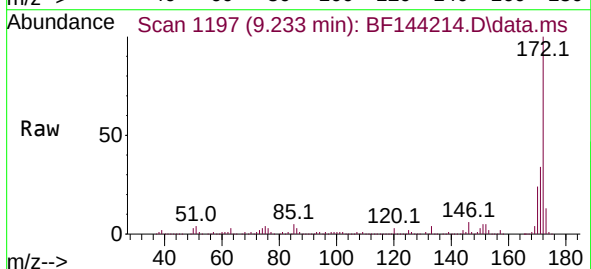
Tgt Ion:172 Resp: 982916

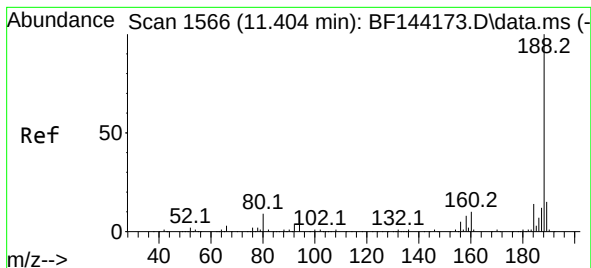
Ion Ratio Lower Upper

172 100

171 34.4 28.1 42.1

170 23.6 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.000 min

Lab File: BF144214.D

Acq: 11 Nov 2025 20:58

Instrument :

BNA_F

ClientSampleId :

LIVINGSTON-SOIL

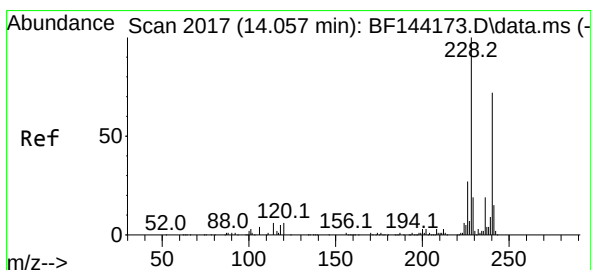
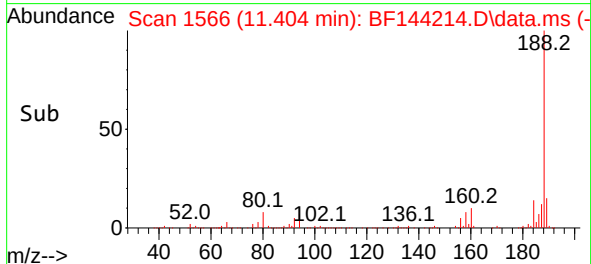
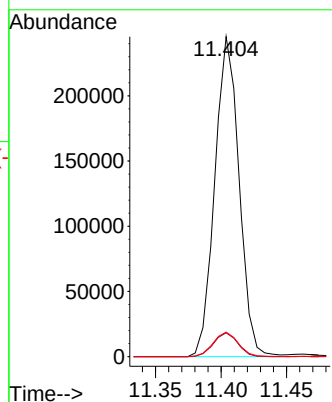
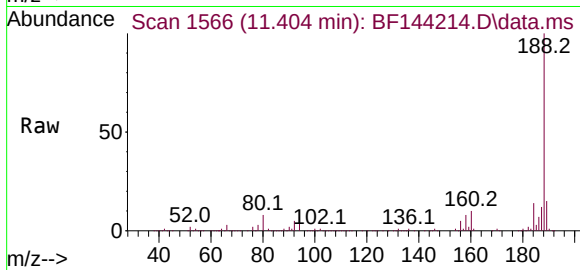
Tgt Ion:188 Resp: 316465

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.2

80 7.7 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 1717

Delta R.T. 0.006 min

Lab File: BF144214.D

Acq: 11 Nov 2025 20:58

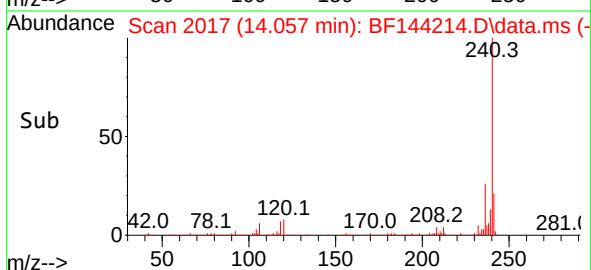
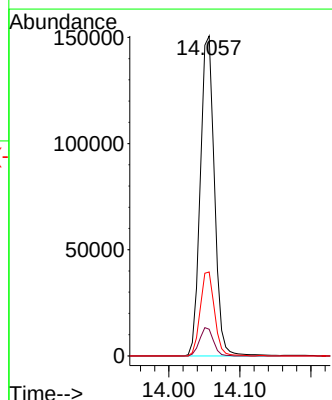
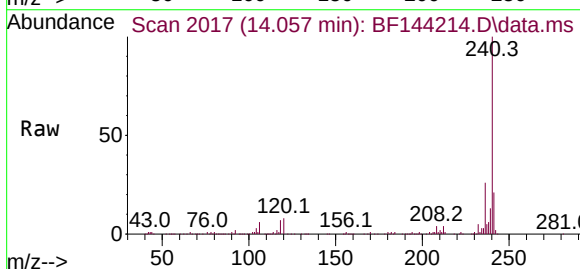
Tgt Ion:240 Resp: 207438

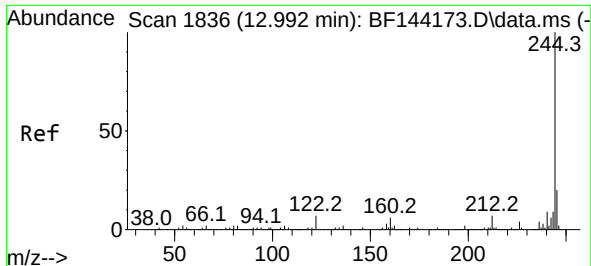
Ion Ratio Lower Upper

240 100

120 8.3 6.6 10.0

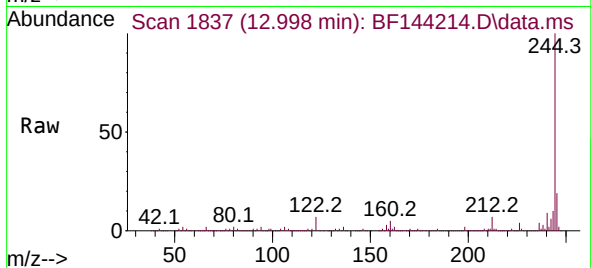
236 26.2 21.4 32.2



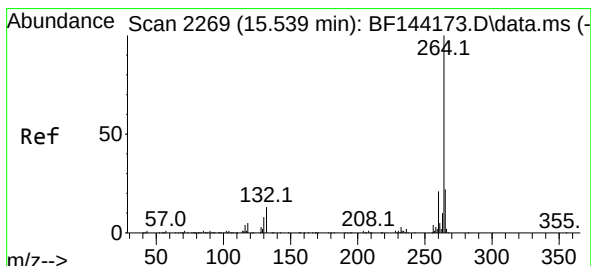
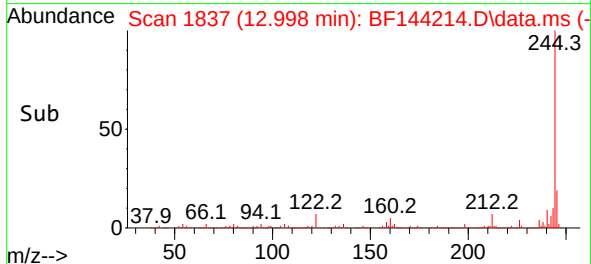
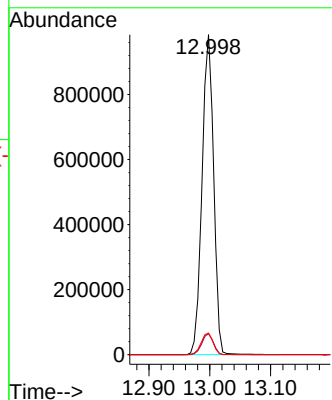


#79
 Terphenyl-d14
 Concen: 99.313 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.006 min
 Lab File: BF144214.D
 Acq: 11 Nov 2025 20:58

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:244 Resp: 1296983
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF144214.D
 Acq: 11 Nov 2025 20:58

Tgt Ion:264 Resp: 192581
 Ion Ratio Lower Upper
 264 100
 260 21.1 17.1 25.7
 265 20.4 17.4 26.0

