

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143711.D
 Acq On : 11 Sep 2025 17:30
 Operator : RC/JU
 Sample : Q3032-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1

Quant Time: Sep 11 17:50:29 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	6.892	152	33623	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	122515	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	63838	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	93833	20.000	ng	0.00
76) Chrysene-d12	14.057	240	88396	20.000	ng	0.01
86) Perylene-d12	15.539	264	72226	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	259721	131.791	ng	0.02
7) Phenol-d6	6.510	99	293256	122.214	ng	0.00
23) Nitrobenzene-d5	7.451	82	204215	103.679	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	91447	142.143	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	448057	106.025	ng	0.00
79) Terphenyl-d14	13.010	244	442618	81.143	ng	0.02

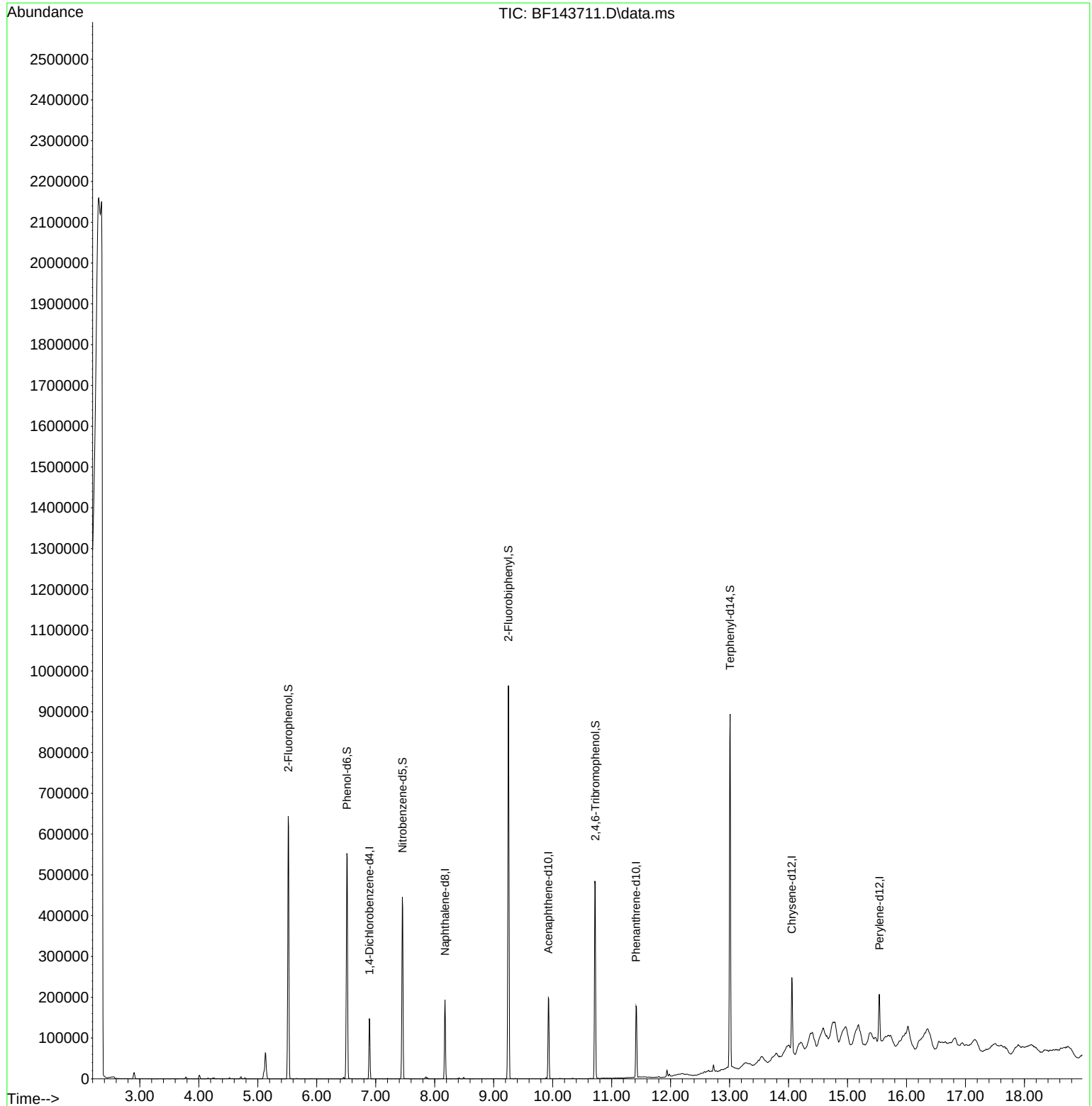
Target Compounds Qvalue

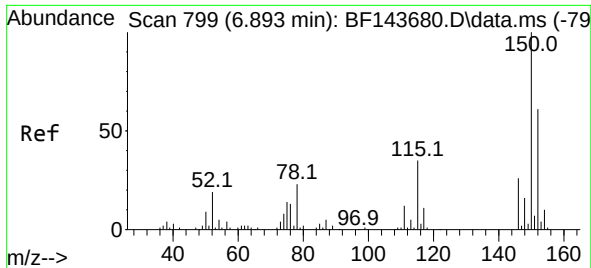
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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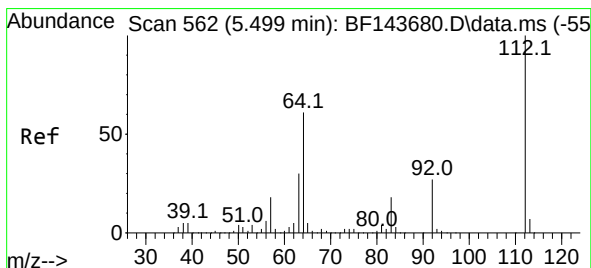
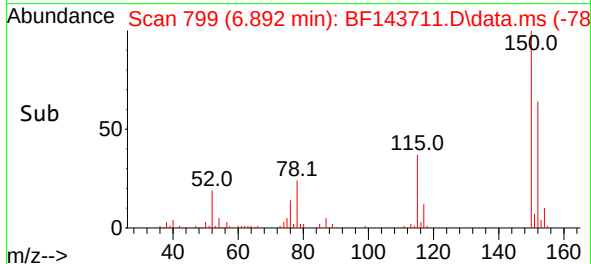
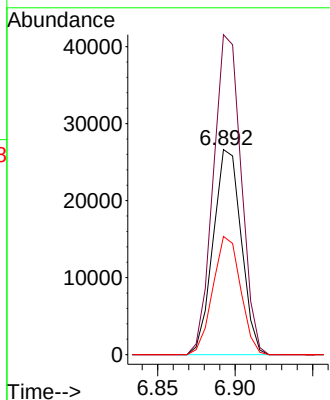
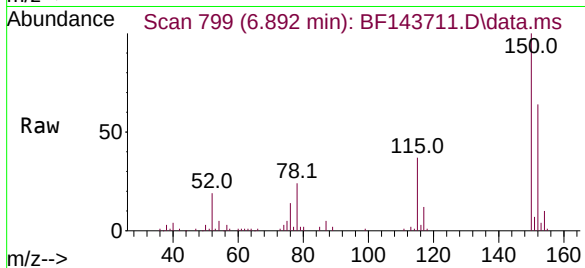




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

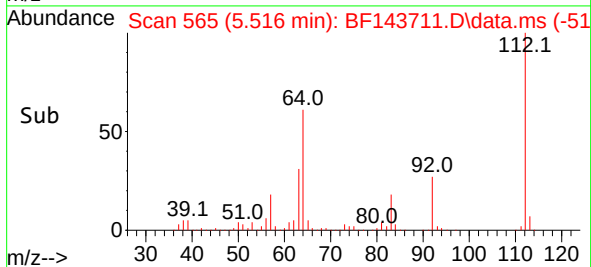
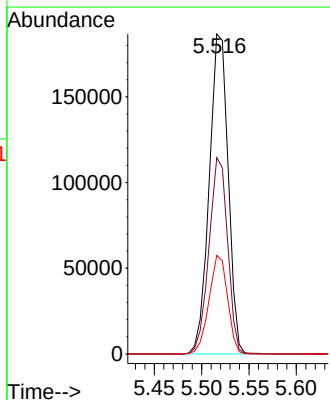
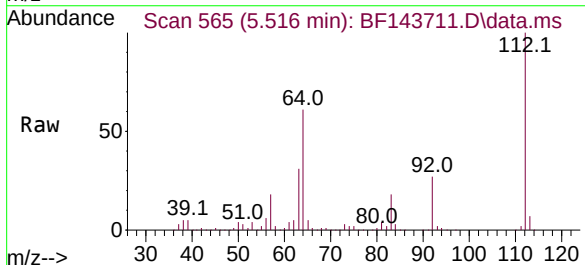
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

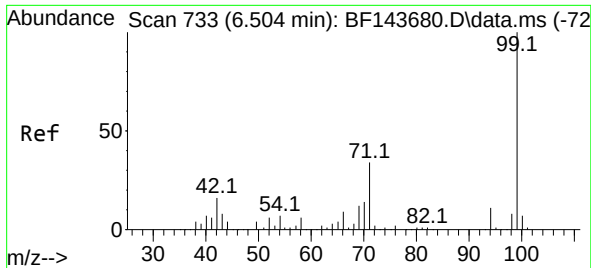
Tgt Ion:152 Resp: 33623
Ion Ratio Lower Upper
152 100
150 156.1 130.7 196.1
115 57.6 45.9 68.9



#5
2-Fluorophenol
Concen: 131.791 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.017 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion:112 Resp: 259721
Ion Ratio Lower Upper
112 100
64 61.3 49.0 73.4
63 30.8 24.3 36.5

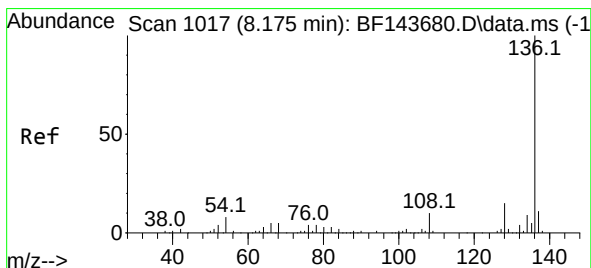
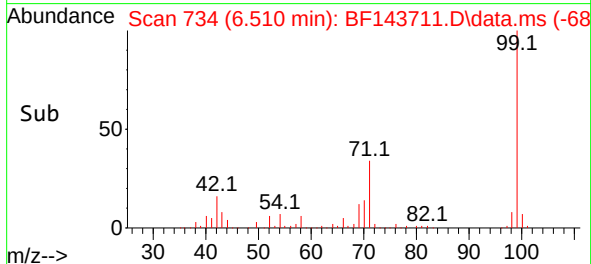
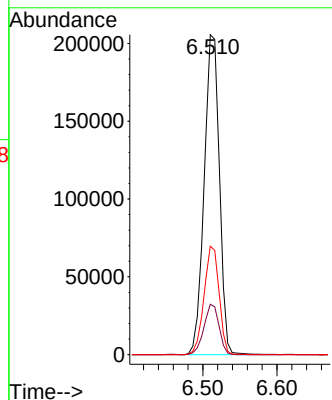
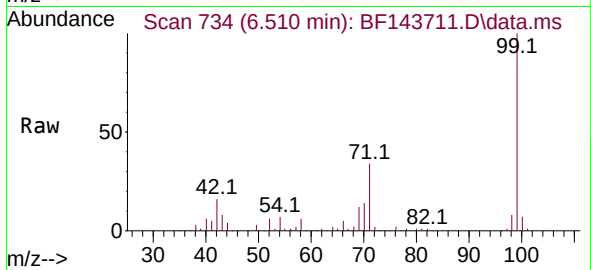




#7
Phenol-d6
Concen: 122.214 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.006 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

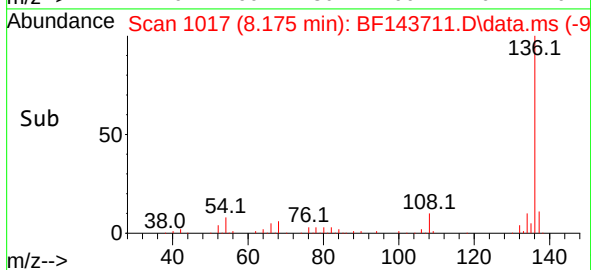
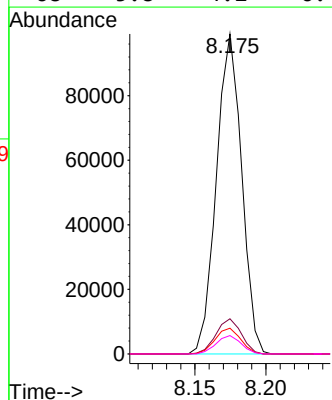
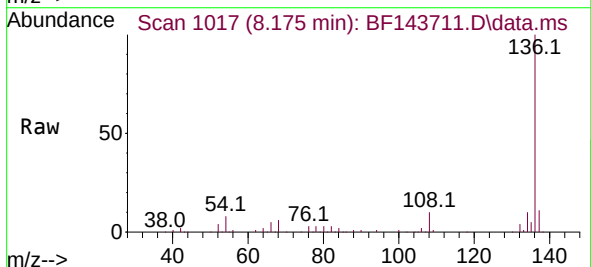
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

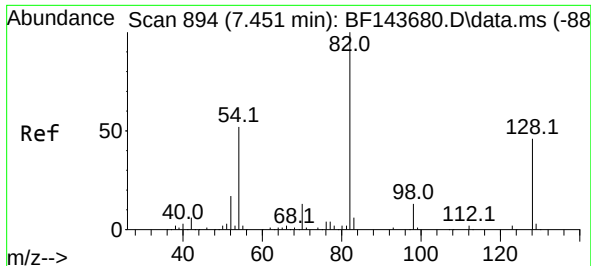
Tgt Ion: 99 Resp: 293256
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 33.9 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion: 136 Resp: 122515
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.0 6.2 9.2
68 5.8 4.2 6.4





#23

Nitrobenzene-d5

Concen: 103.679 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1

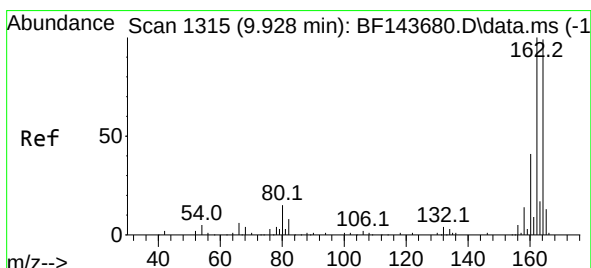
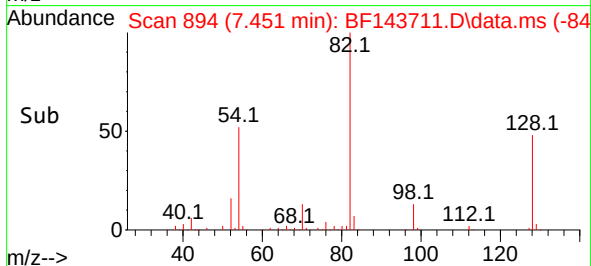
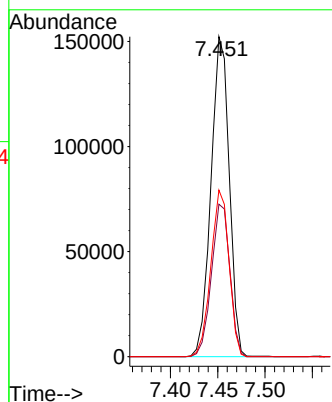
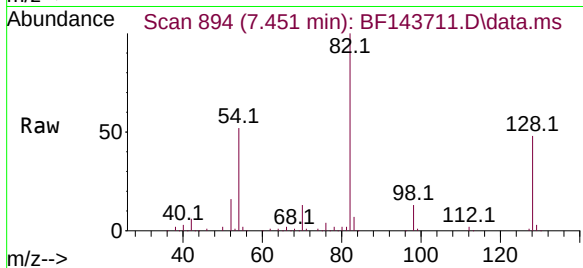
Tgt Ion: 82 Resp: 204215

Ion Ratio Lower Upper

82 100

128 47.6 37.0 55.4

54 52.0 41.8 62.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

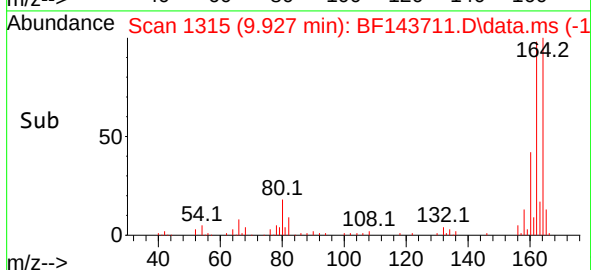
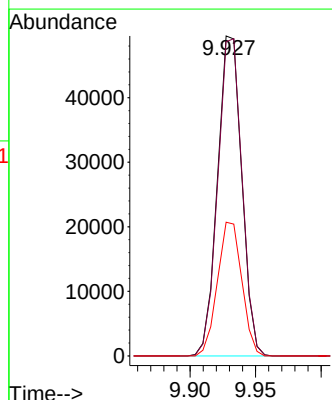
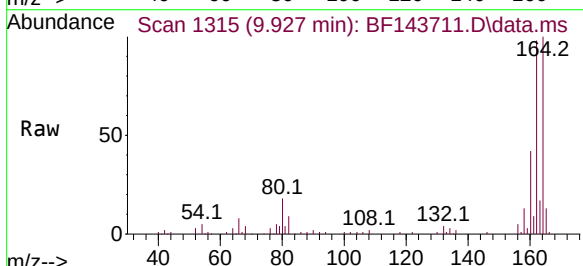
Tgt Ion:164 Resp: 63838

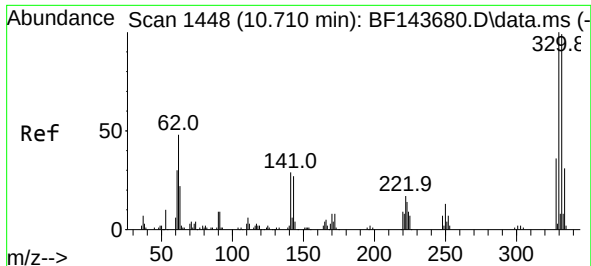
Ion Ratio Lower Upper

164 100

162 98.2 80.6 121.0

160 41.8 33.0 49.4





#42

2,4,6-Tribromophenol

Concen: 142.143 ng

RT: 10.722 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1

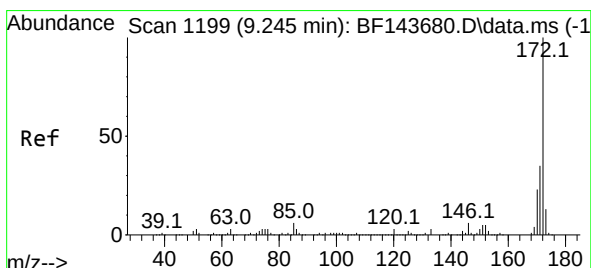
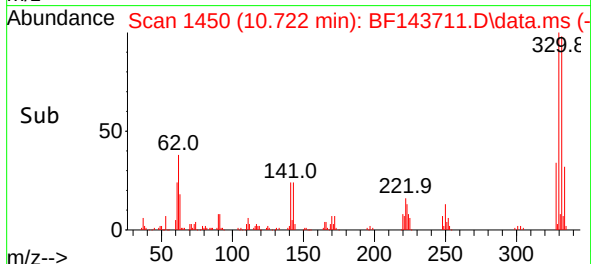
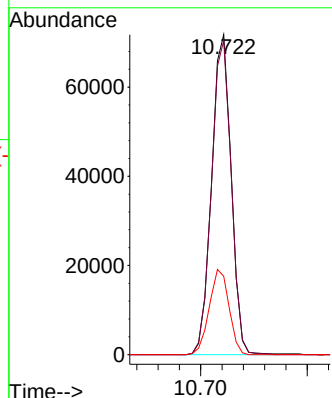
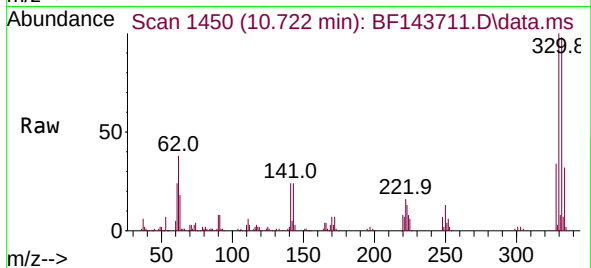
Tgt Ion:330 Resp: 91447

Ion Ratio Lower Upper

330 100

332 98.9 79.2 118.8

141 26.9 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 106.025 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

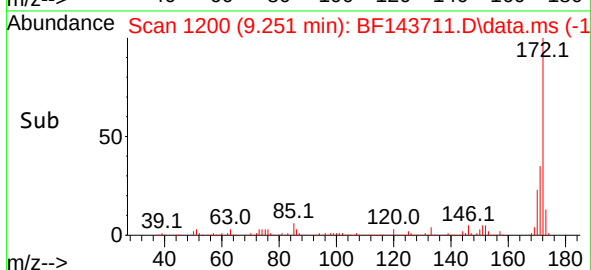
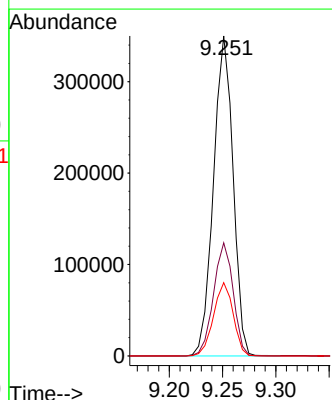
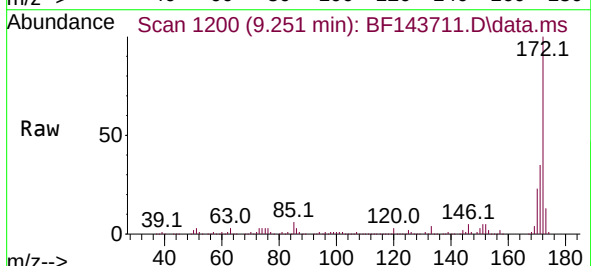
Tgt Ion:172 Resp: 448057

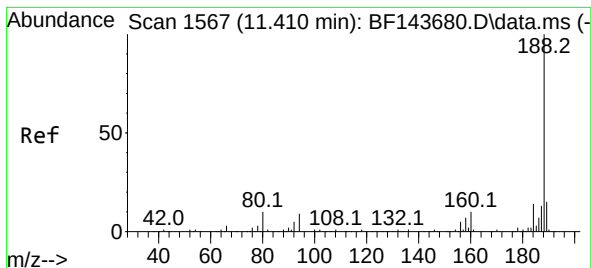
Ion Ratio Lower Upper

172 100

171 35.3 27.9 41.9

170 22.9 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1

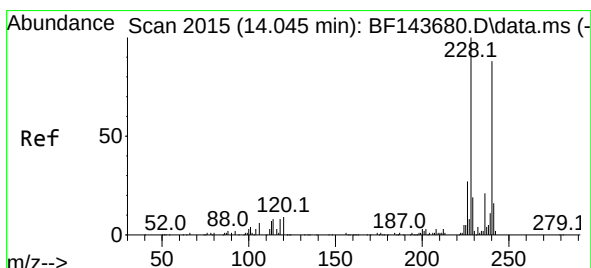
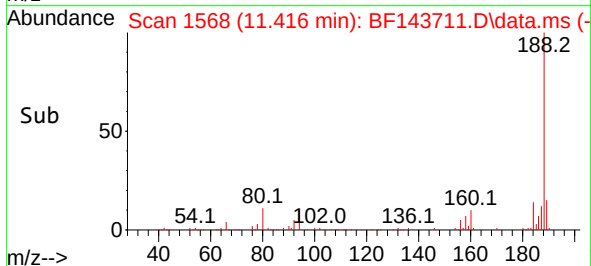
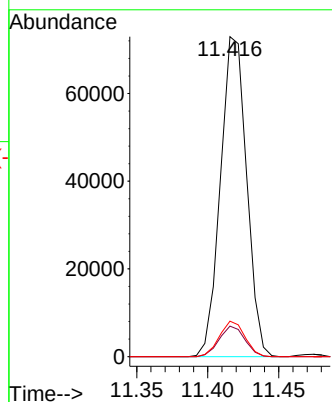
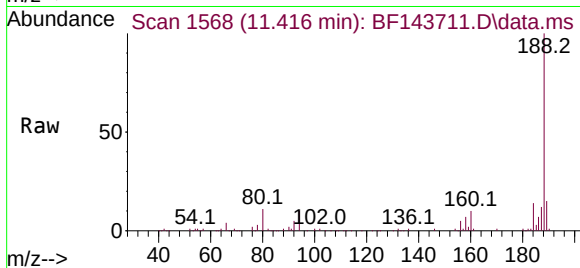
Tgt Ion:188 Resp: 93833

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.0

80 11.1 7.7 11.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.012 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

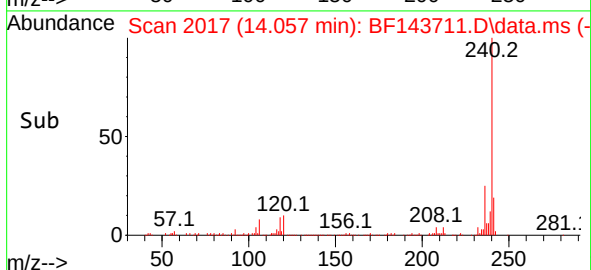
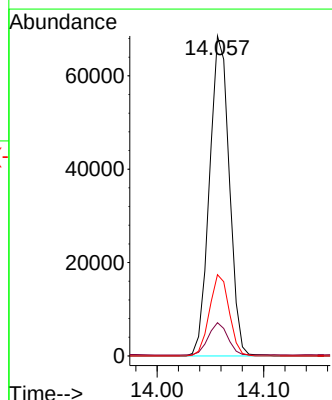
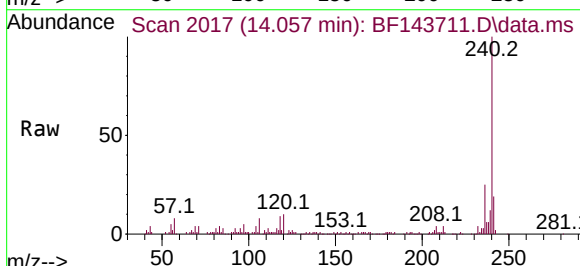
Tgt Ion:240 Resp: 88396

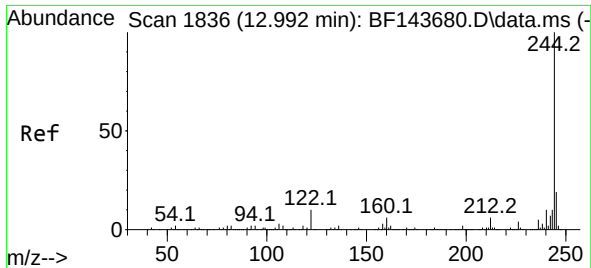
Ion Ratio Lower Upper

240 100

120 10.4 8.4 12.6

236 25.4 18.6 28.0

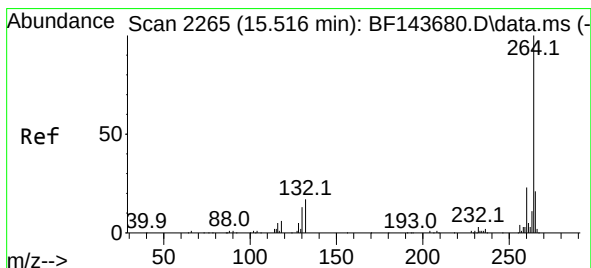
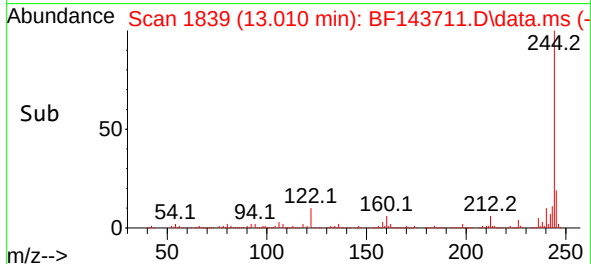
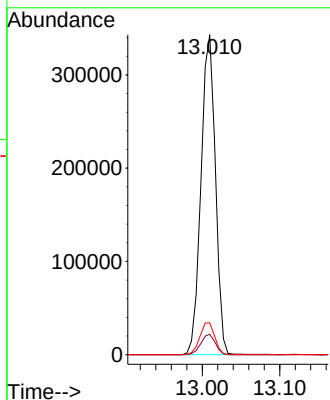
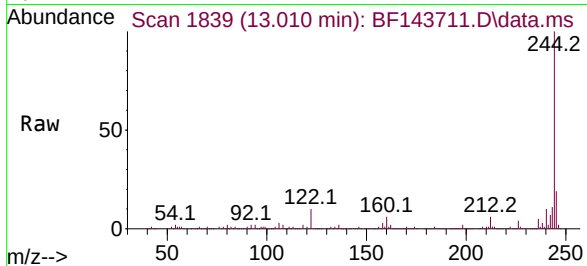




#79
 Terphenyl-d14
 Concen: 81.143 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. 0.017 min
 Lab File: BF143711.D
 Acq: 11 Sep 2025 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1

Tgt Ion:244 Resp: 442618
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.6
 122 9.9 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.023 min
 Lab File: BF143711.D
 Acq: 11 Sep 2025 17:30

Tgt Ion:264 Resp: 72226
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 22.2 17.1 25.7

