

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111925\
 Data File : BF144280.D
 Acq On : 19 Nov 2025 15:25
 Operator : RC/JU
 Sample : Q3618-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TOP-SOIL

Quant Time: Nov 19 15:44:45 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	6.863	152	55319	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	201143	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	103016	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	153392	20.000	ng	0.00
76) Chrysene-d12	14.045	240	144221	20.000	ng	0.00
86) Perylene-d12	15.527	264	156458	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	258	0.073	ng	0.02
7) Phenol-d6	6.510	99	739	0.184	ng	0.01
23) Nitrobenzene-d5	7.433	82	1071	0.308	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	118	0.091	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	2561	0.367	ng	0.00
79) Terphenyl-d14	12.980	244	3008	0.331	ng	-0.01

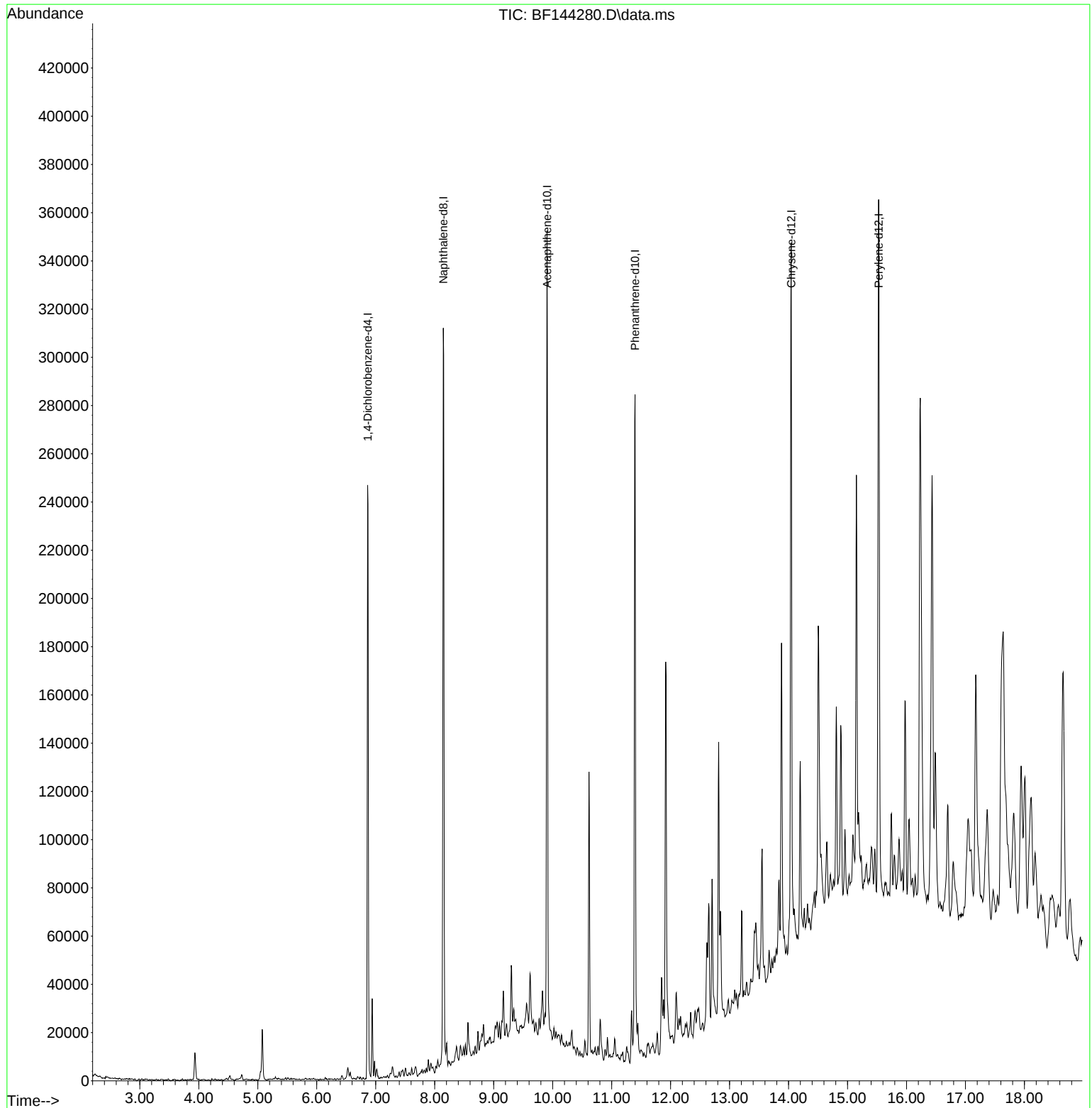
Target Compounds	Qvalue

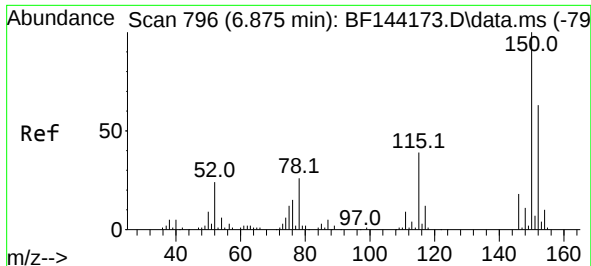
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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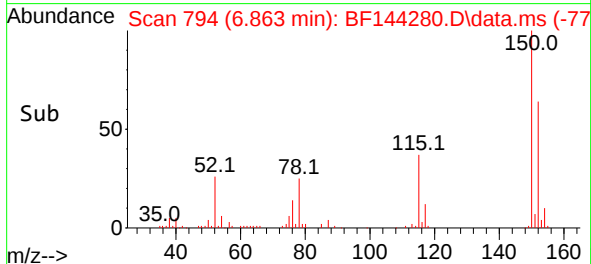
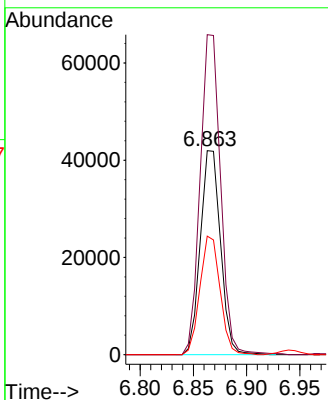
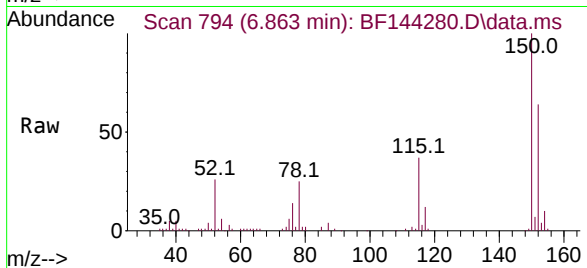




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

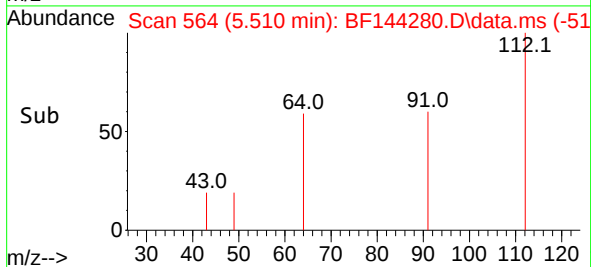
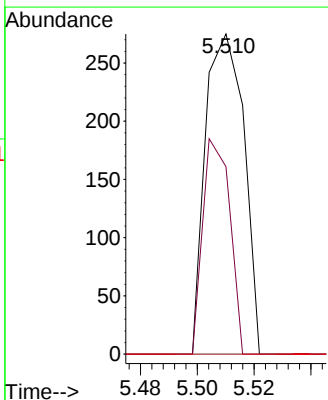
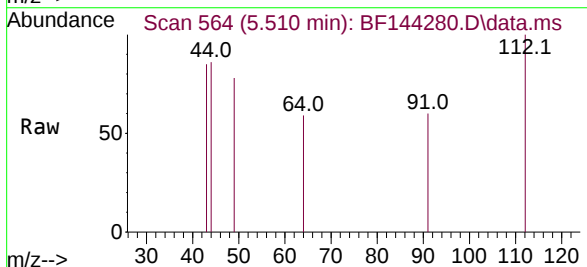
Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

Tgt Ion:152 Resp: 55319
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 58.1 49.5 74.3



#5
2-Fluorophenol
Concen: 0.073 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.017 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion:112 Resp: 258
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 0.0 24.4 36.6

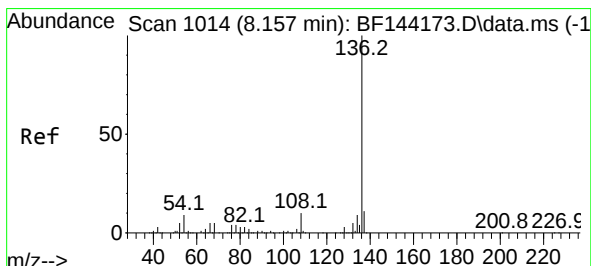
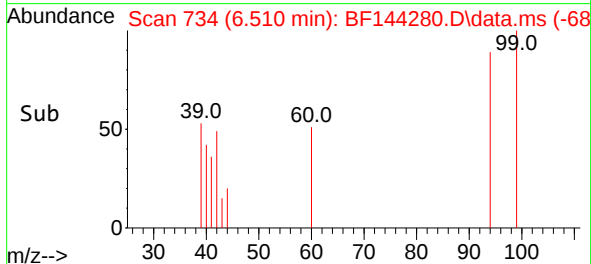
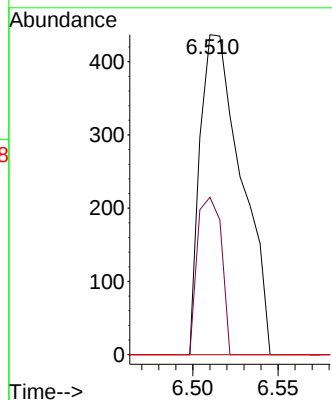
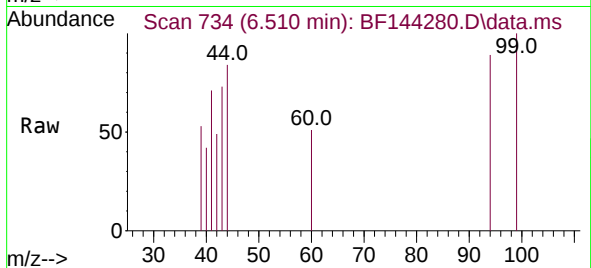




#7
Phenol-d6
Concen: 0.184 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

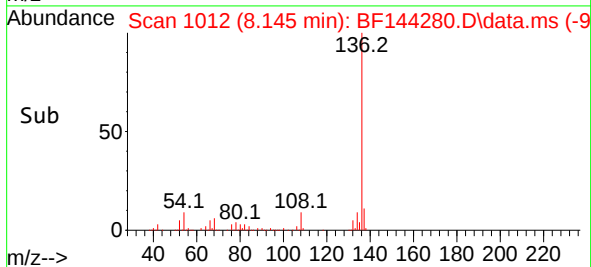
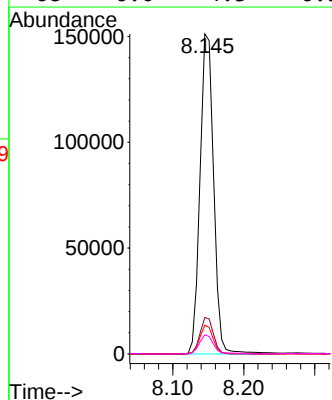
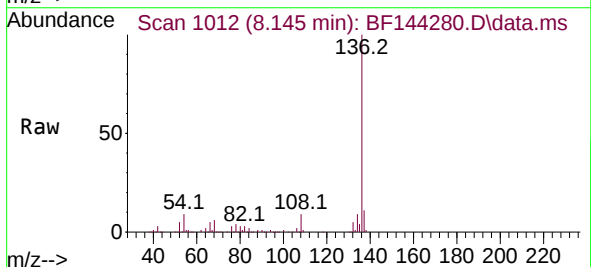
Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

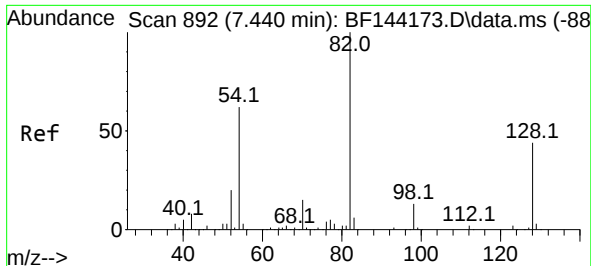
Tgt Ion:	99	Resp:	739
Ion	Ratio	Lower	Upper
99	100		
42	49.2	20.9	31.3#
71	0.0	31.4	47.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion:	136	Resp:	201143
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	8.9	7.0	10.6
68	6.0	4.3	6.5





#23

Nitrobenzene-d5

Concen: 0.308 ng

RT: 7.433 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF144280.D

Acq: 19 Nov 2025 15:25

Instrument :

BNA_F

ClientSampleId :

EME-TOP-SOIL

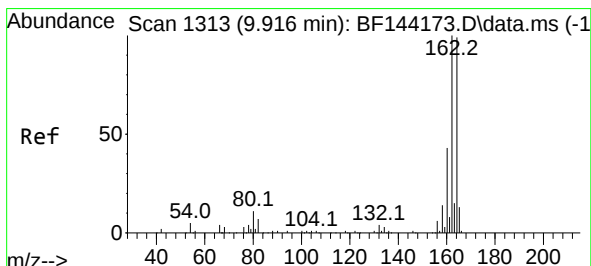
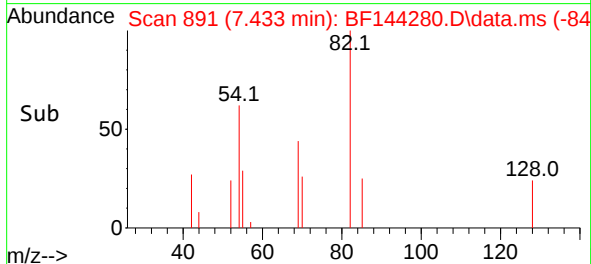
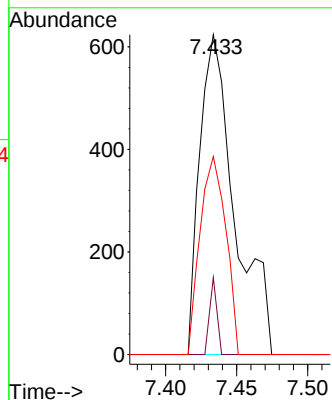
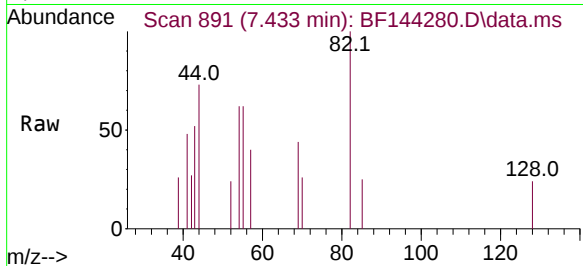
Tgt Ion: 82 Resp: 1071

Ion Ratio Lower Upper

82 100

128 24.0 34.7 52.1#

54 61.9 49.5 74.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF144280.D

Acq: 19 Nov 2025 15:25

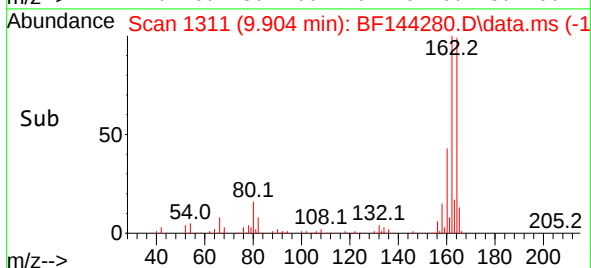
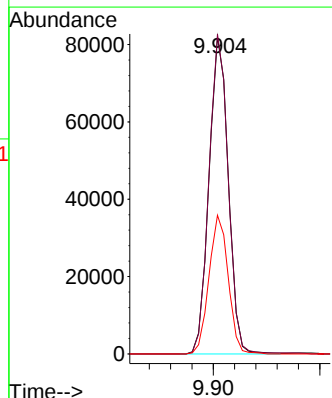
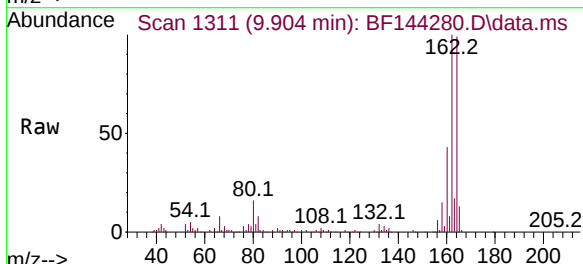
Tgt Ion:164 Resp: 103016

Ion Ratio Lower Upper

164 100

162 101.0 81.1 121.7

160 43.7 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 0.091 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF144280.D

Acq: 19 Nov 2025 15:25

Instrument :

BNA_F

ClientSampleId :

EME-TOP-SOIL

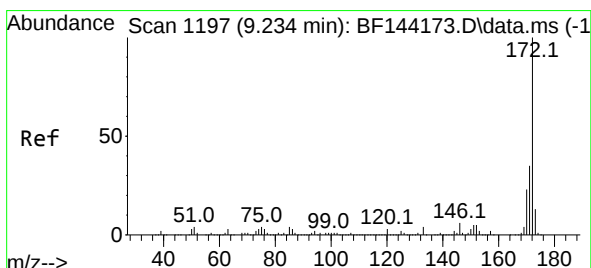
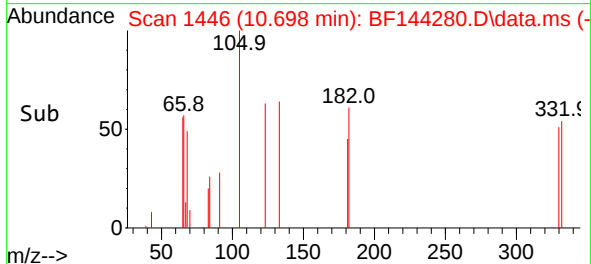
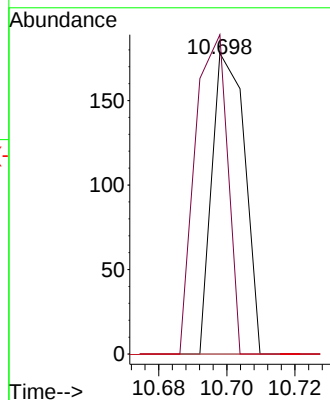
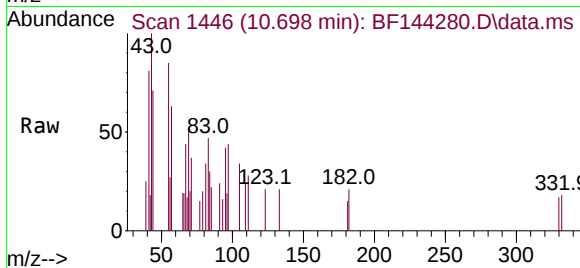
Tgt Ion:330 Resp: 118

Ion Ratio Lower Upper

330 100

332 105.1 76.7 115.1

141 0.0 17.8 26.8#



#45

2-Fluorobiphenyl

Concen: 0.367 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144280.D

Acq: 19 Nov 2025 15:25

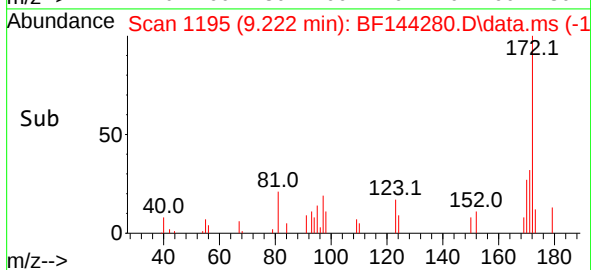
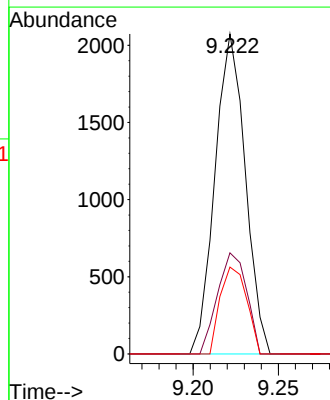
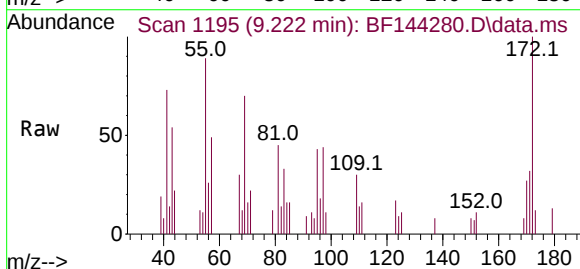
Tgt Ion:172 Resp: 2561

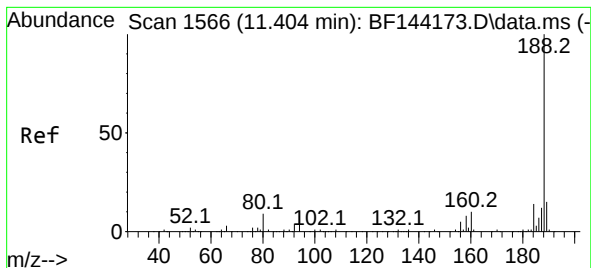
Ion Ratio Lower Upper

172 100

171 31.6 28.1 42.1

170 27.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144280.D

Acq: 19 Nov 2025 15:25

Instrument :

BNA_F

ClientSampleId :

EME-TOP-SOIL

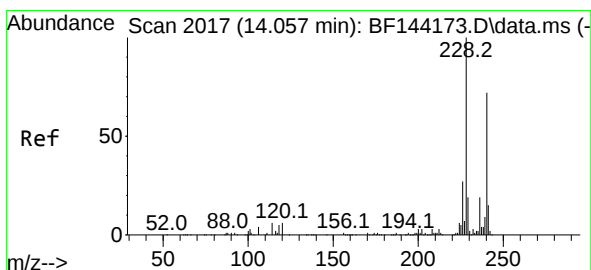
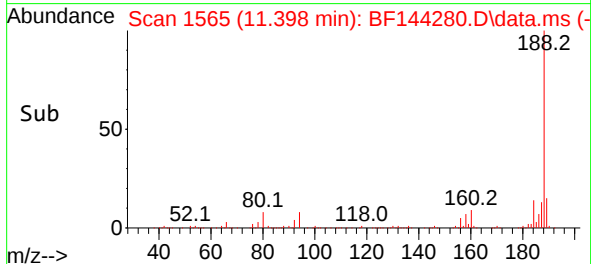
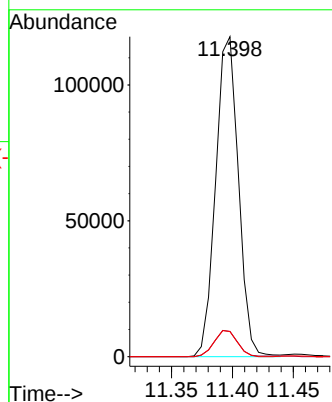
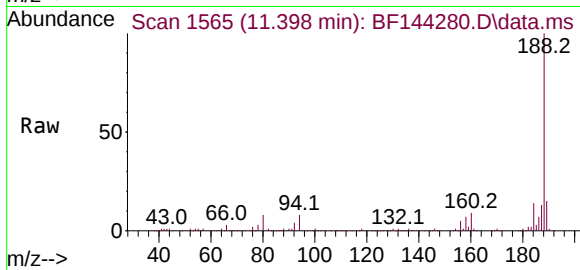
Tgt Ion:188 Resp: 153392

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.2

80 7.8 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF144280.D

Acq: 19 Nov 2025 15:25

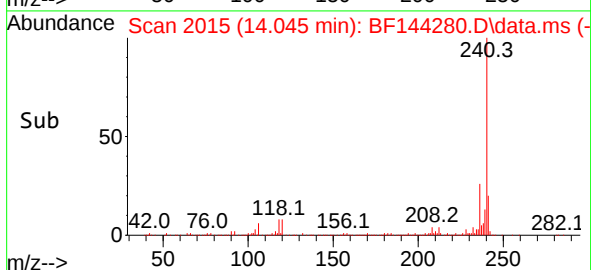
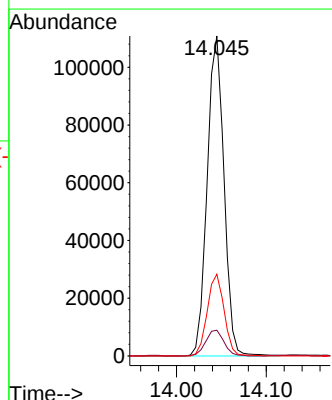
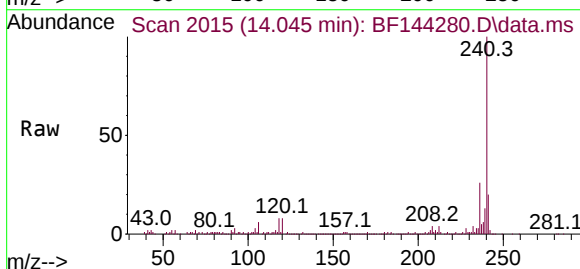
Tgt Ion:240 Resp: 144221

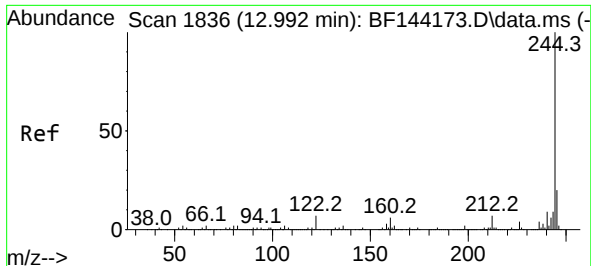
Ion Ratio Lower Upper

240 100

120 8.0 6.6 10.0

236 25.5 21.4 32.2

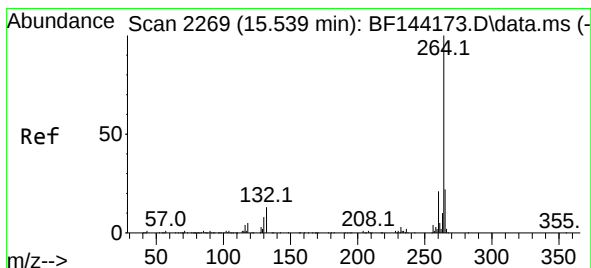
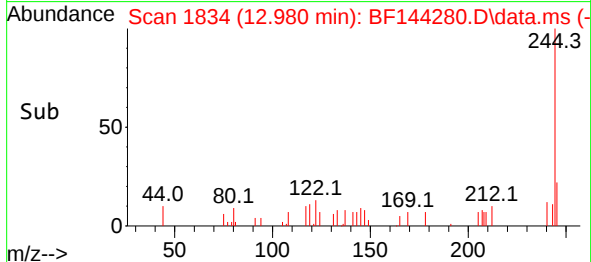
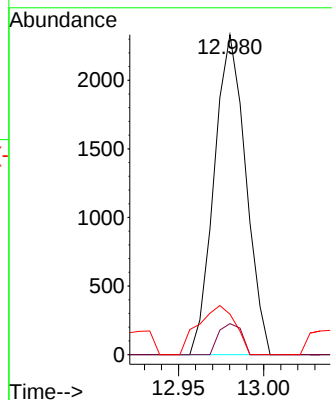
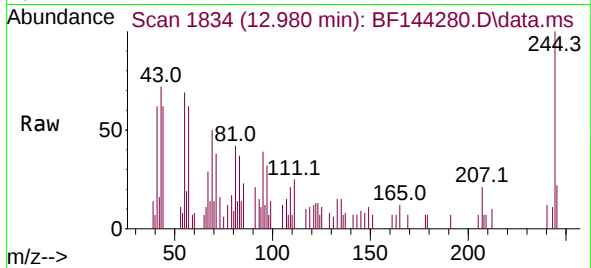




#79
 Terphenyl-d14
 Concen: 0.331 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144280.D
 Acq: 19 Nov 2025 15:25

Instrument :
 BNA_F
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 EME-TOP-SOIL

Tgt Ion:244 Resp: 3008
 Ion Ratio Lower Upper
 244 100
 212 9.7 5.3 7.9#
 122 12.6 5.6 8.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2267
 Delta R.T. -0.012 min
 Lab File: BF144280.D
 Acq: 19 Nov 2025 15:25

Tgt Ion:264 Resp: 156458
 Ion Ratio Lower Upper
 264 100
 260 22.3 17.1 25.7
 265 21.7 17.4 26.0

