

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141877.D
 Acq On : 06 Mar 2025 19:28
 Operator : RC/JU
 Sample : Q1494-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Quant Time: Mar 07 00:21:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	156206	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	598619	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	316531	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	516276	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	421272	20.000	ng	-0.01
86) Perylene-d12	15.510	264	441787	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	787253	80.486	ng	0.00
7) Phenol-d6	6.504	99	973380	76.456	ng	0.00
23) Nitrobenzene-d5	7.440	82	643881	68.753	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	242939	81.752	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1169102	59.223	ng	0.00
79) Terphenyl-d14	12.986	244	1188389	45.641	ng	-0.01

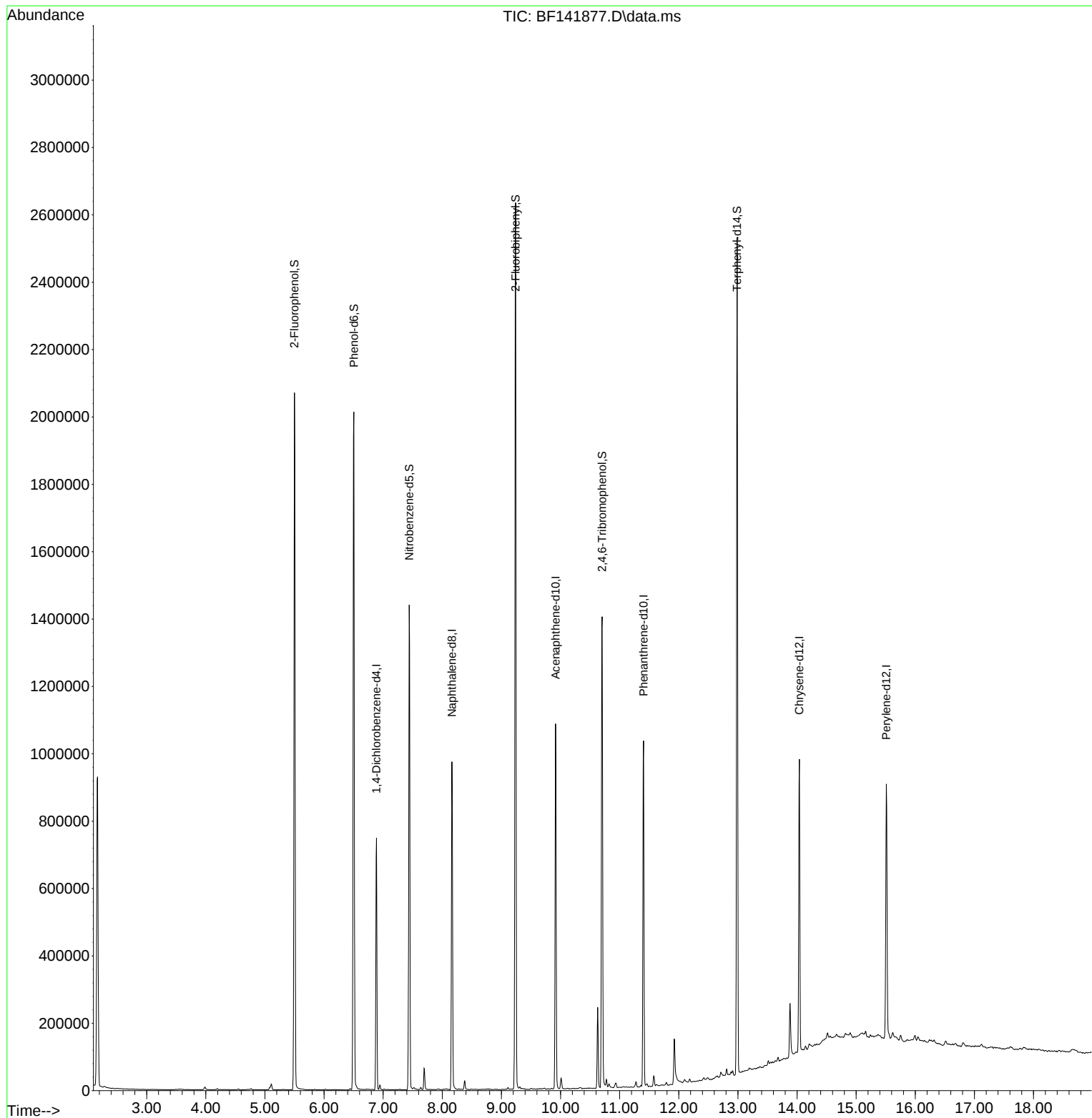
Target Compounds	Qvalue

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

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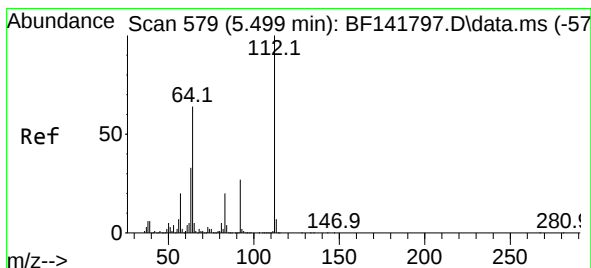
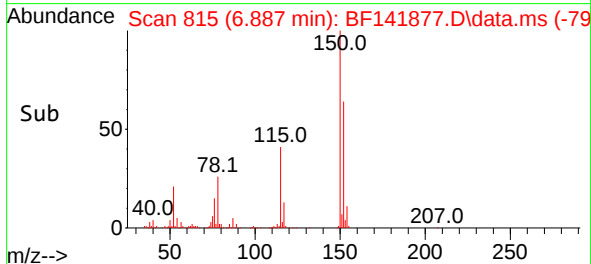
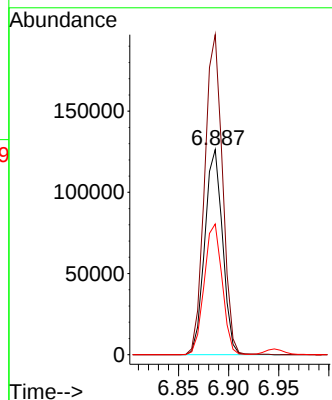
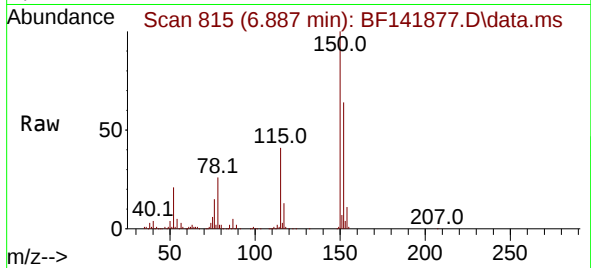




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

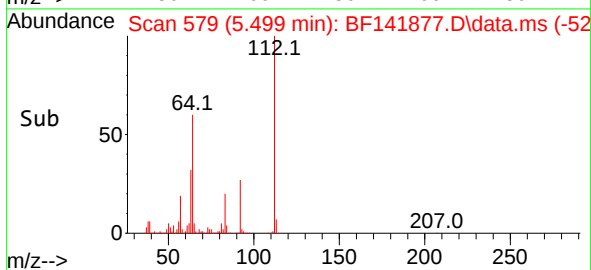
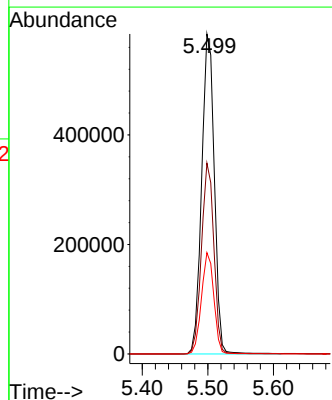
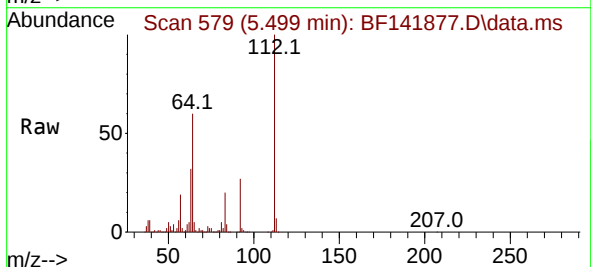
Instrument :
BNA_F
ClientSampleId :
SOIL

Tgt Ion:152 Resp: 156206
Ion Ratio Lower Upper
152 100
150 156.0 127.5 191.3
115 63.7 51.4 77.2



#5
2-Fluorophenol
Concen: 80.486 ng
RT: 5.499 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion:112 Resp: 787253
Ion Ratio Lower Upper
112 100
64 59.6 51.3 76.9
63 31.6 26.2 39.4

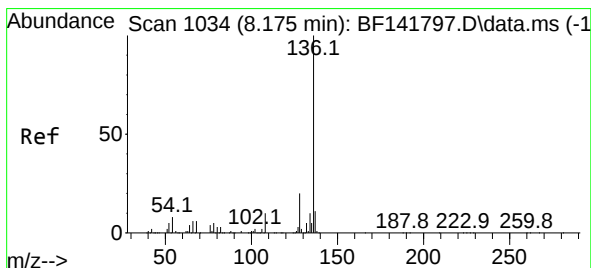
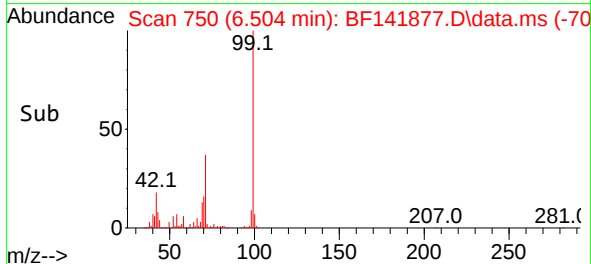
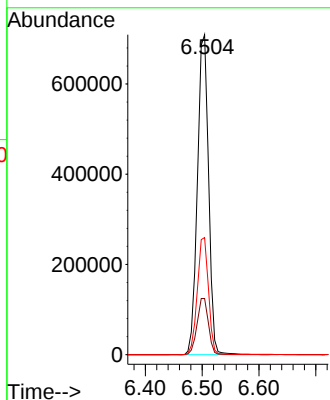
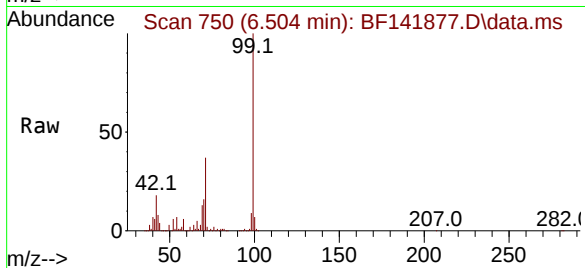




#7
Phenol-d6
Concen: 76.456 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

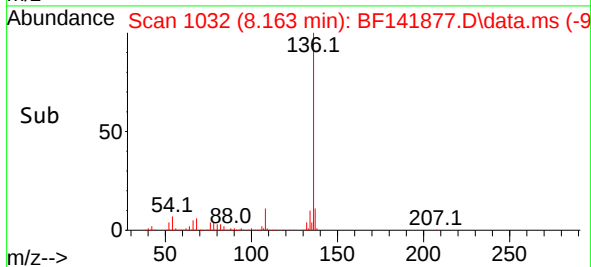
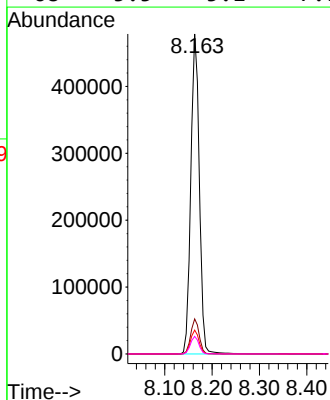
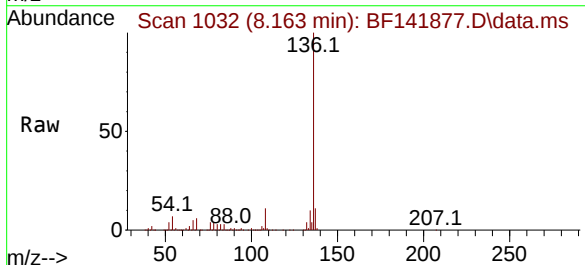
Instrument :
BNA_F
ClientSampleId :
SOIL

Tgt Ion: 99 Resp: 973380
Ion Ratio Lower Upper
99 100
42 17.5 15.2 22.8
71 36.6 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion: 136 Resp: 598619
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.5 6.9 10.3
68 5.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 68.753 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

Instrument :

BNA_F

ClientSampleId :

SOIL

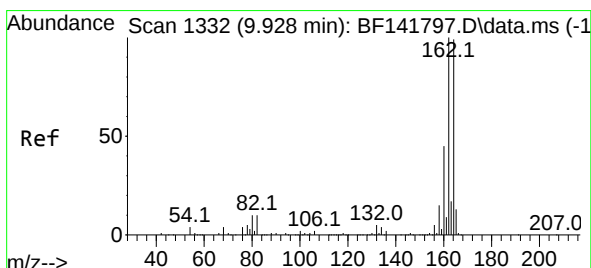
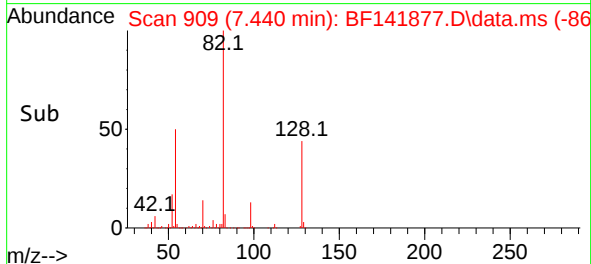
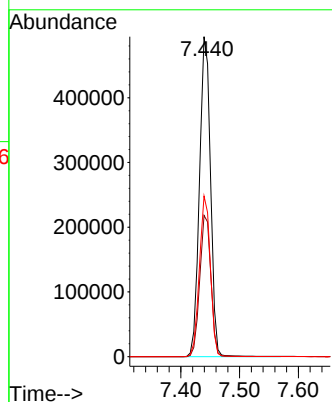
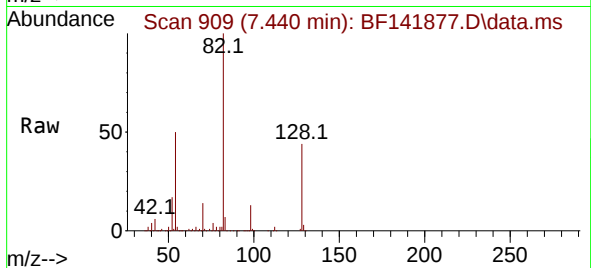
Tgt Ion: 82 Resp: 643881

Ion Ratio Lower Upper

82 100

128 44.2 33.5 50.3

54 50.2 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

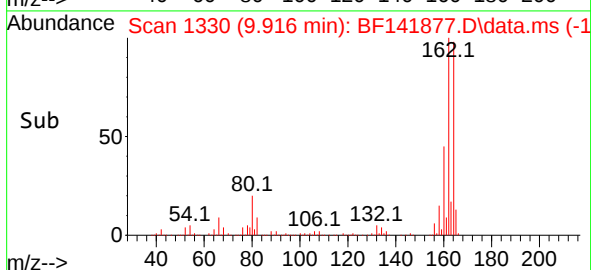
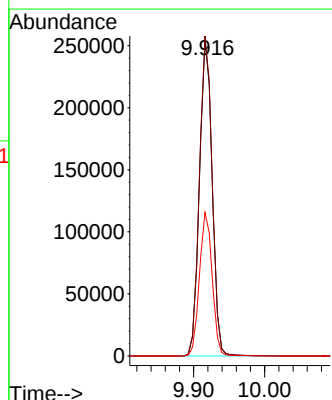
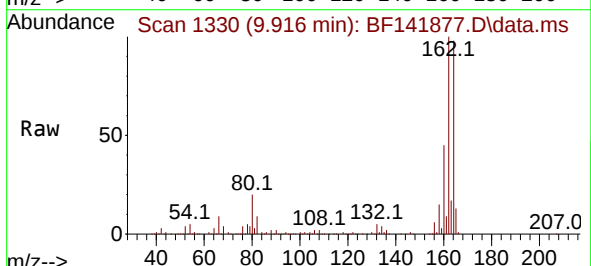
Tgt Ion: 164 Resp: 316531

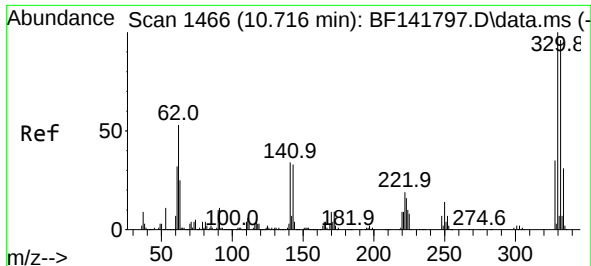
Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

160 45.6 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 81.752 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

Instrument :

BNA_F

ClientSampleId :

SOIL

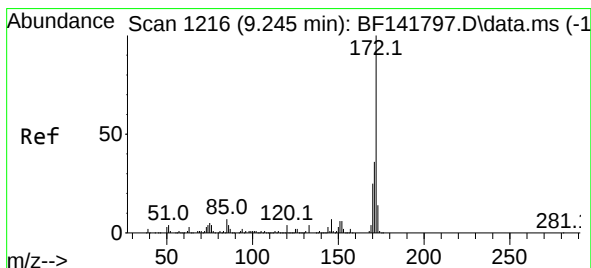
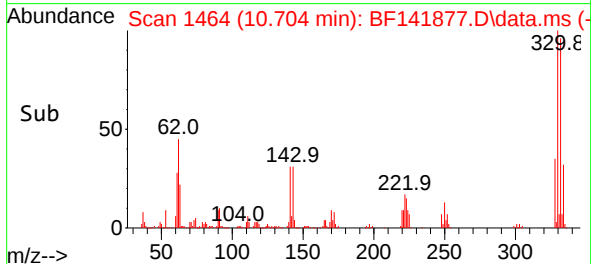
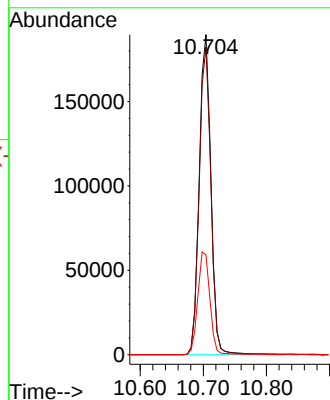
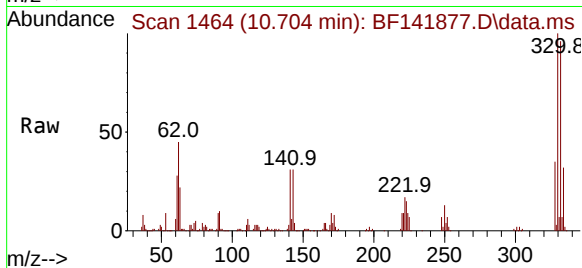
Tgt Ion:330 Resp: 242939

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 33.3 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 59.223 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

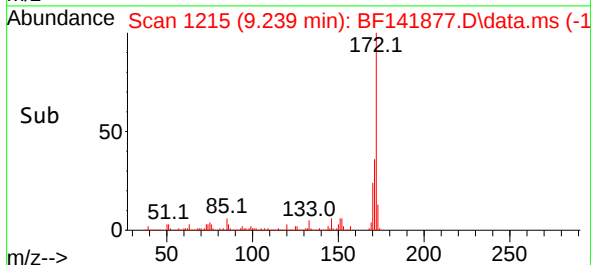
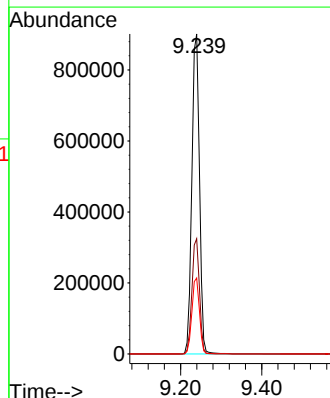
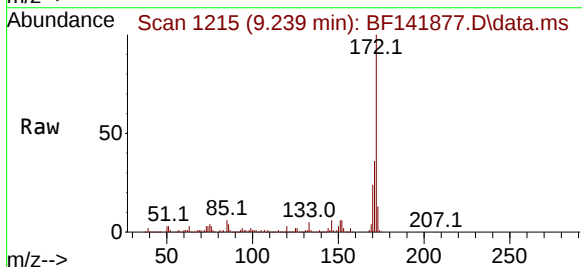
Tgt Ion:172 Resp: 1169102

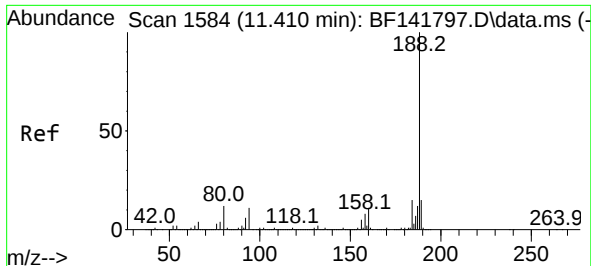
Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 23.7 19.7 29.5

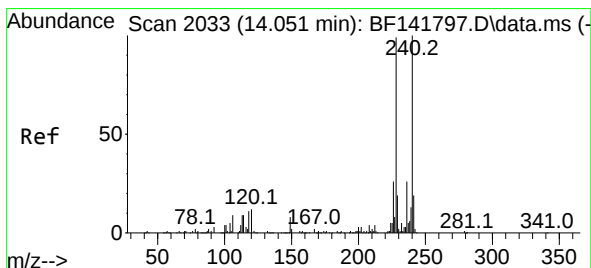
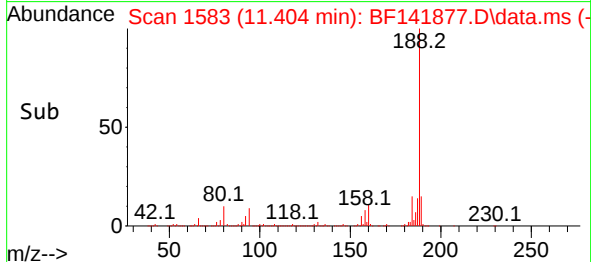
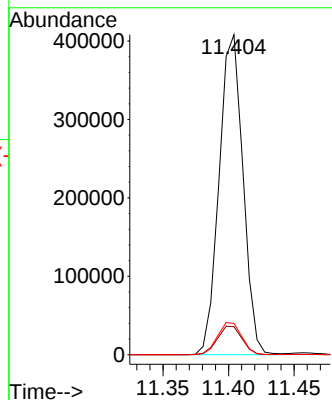
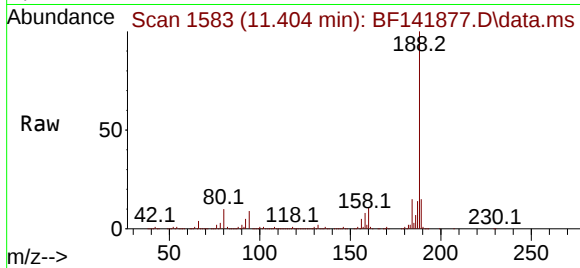




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11404
Delta R.T. -0.006 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

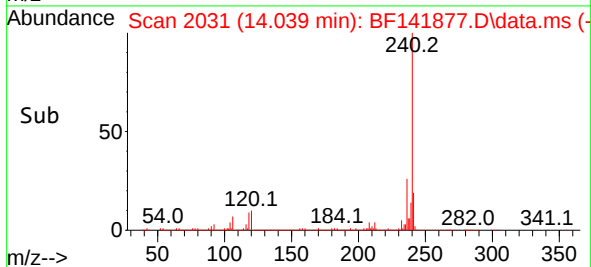
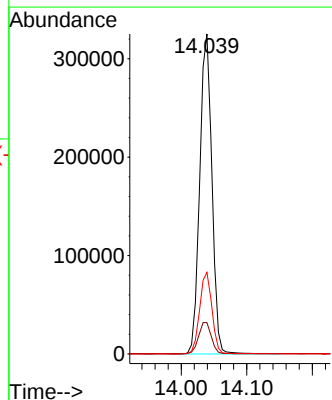
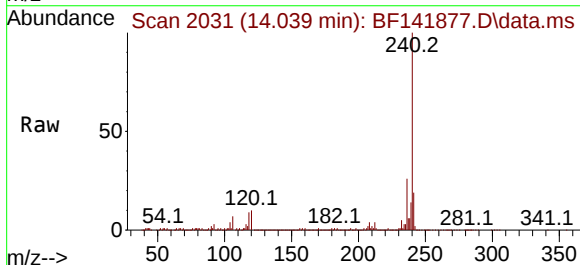
Instrument :
BNA_F
ClientSampleId :
SOIL

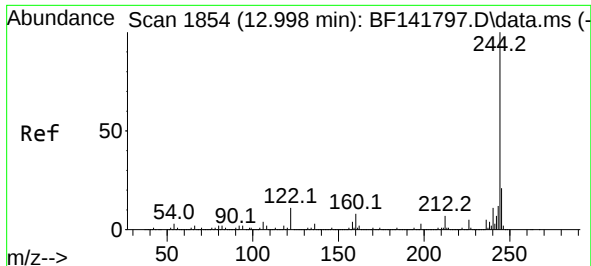
Tgt Ion:188 Resp: 516276
Ion Ratio Lower Upper
188 100
94 8.8 8.9 13.3#
80 9.8 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

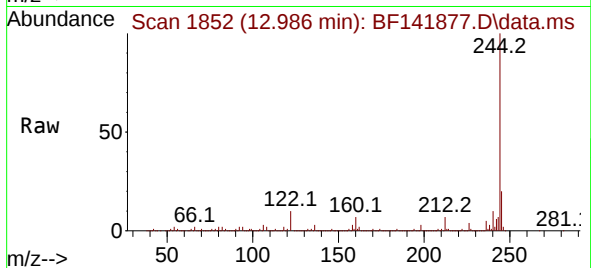
Tgt Ion:240 Resp: 421272
Ion Ratio Lower Upper
240 100
120 9.8 9.7 14.5
236 25.5 21.0 31.4



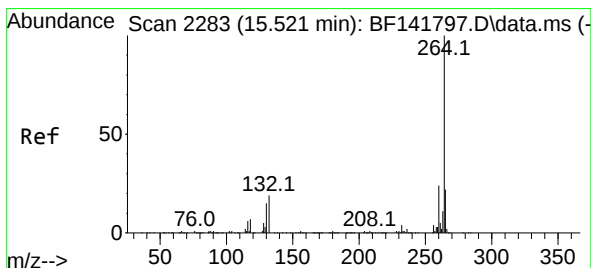
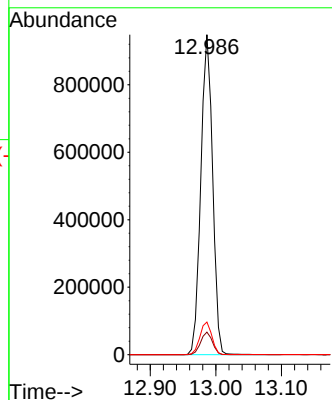
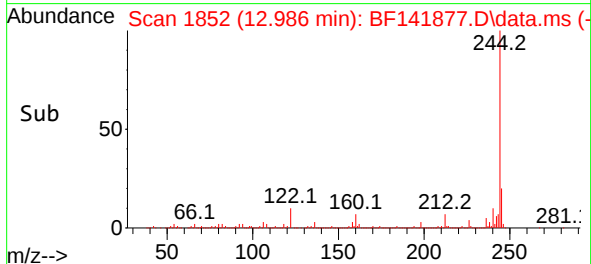


#79
 Terphenyl-d14
 Concen: 45.641 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF141877.D
 Acq: 06 Mar 2025 19:28

Instrument :
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Tgt Ion:244 Resp: 1188389
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 10.2 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. -0.012 min
 Lab File: BF141877.D
 Acq: 06 Mar 2025 19:28

Tgt Ion:264 Resp: 441787
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.6 17.4 26.0

