

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141542.D
 Acq On : 10 Feb 2025 18:34
 Operator : RC/JU
 Sample : Q1344-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Quant Time: Feb 11 00:07:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	85953	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348484	20.000	ng	0.00
39) Acenaphthene-d10	9.821	164	190103	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	335576	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	249038	20.000	ng	-0.01
86) Perylene-d12	15.403	264	185248	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	471318	85.966	ng	0.00
7) Phenol-d6	6.422	99	580992	83.843	ng	-0.02
23) Nitrobenzene-d5	7.345	82	382131	57.194	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	158587	83.044	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	730519	59.203	ng	0.00
79) Terphenyl-d14	12.892	244	891088	60.405	ng	-0.01

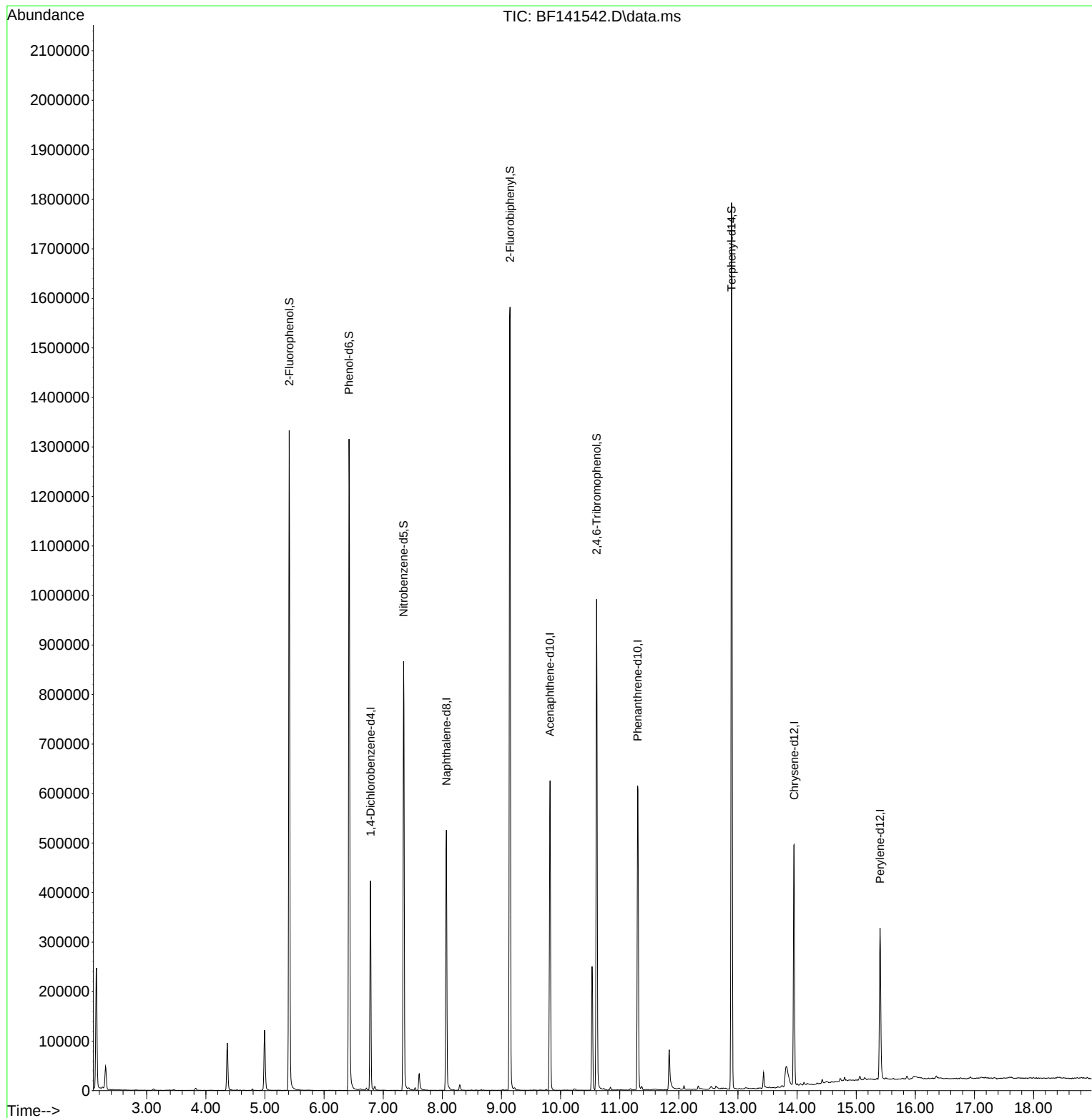
Target Compounds	Qvalue

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

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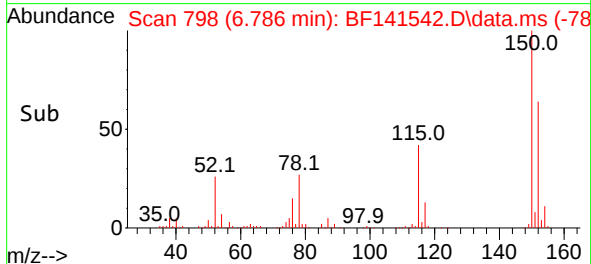
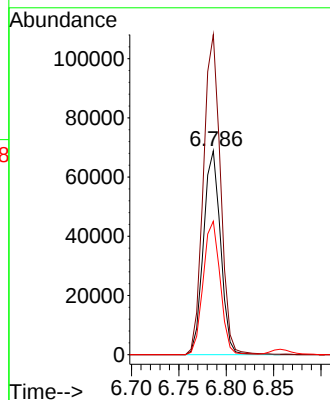
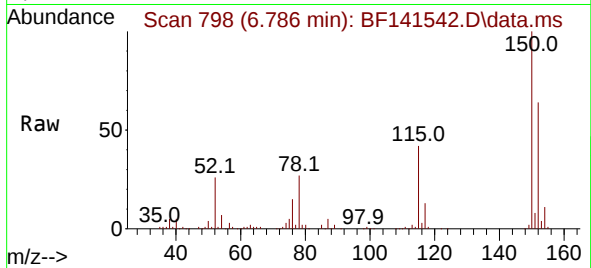




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

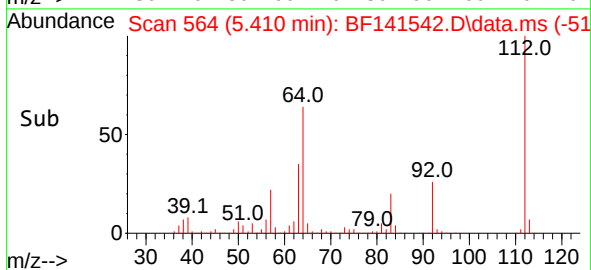
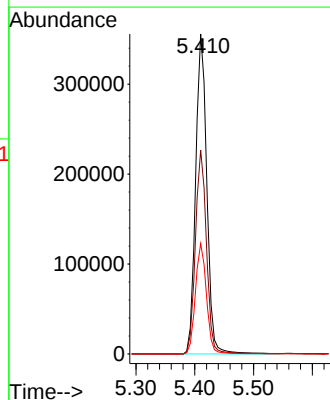
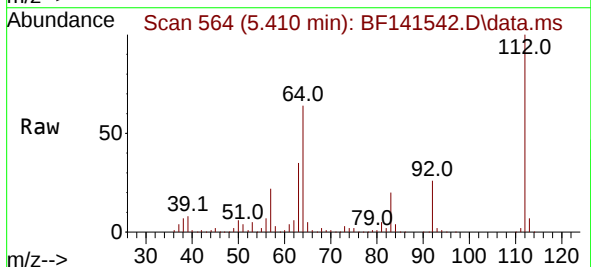
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion:152 Resp: 85953
Ion Ratio Lower Upper
152 100
150 157.0 125.0 187.4
115 65.5 53.6 80.4



#5
2-Fluorophenol
Concen: 85.966 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

Tgt Ion:112 Resp: 471318
Ion Ratio Lower Upper
112 100
64 63.7 51.1 76.7
63 34.5 28.4 42.6

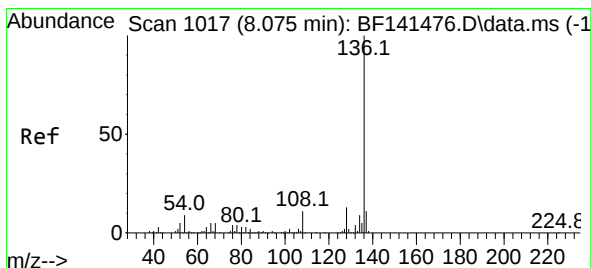
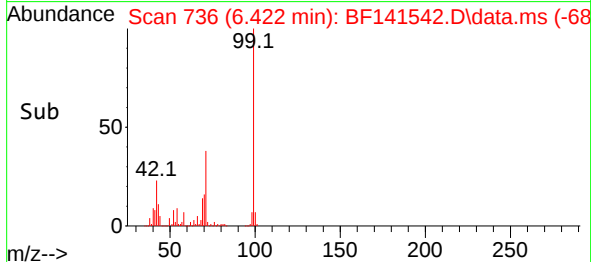
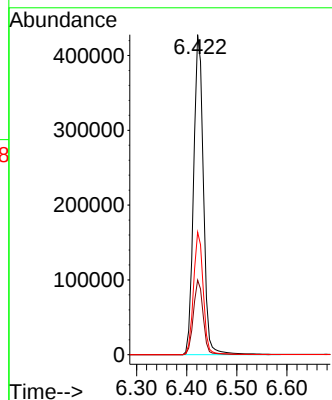
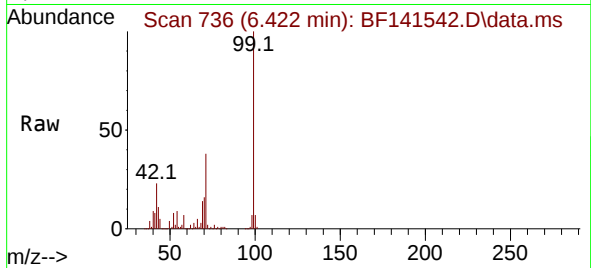




#7
Phenol-d6
Concen: 83.843 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

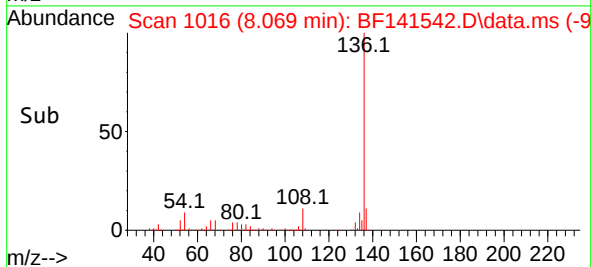
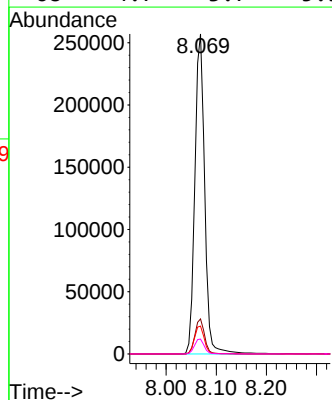
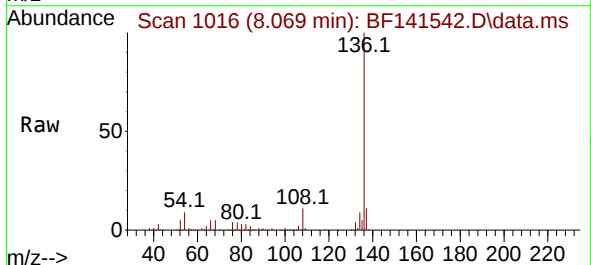
Instrument :
BNA_F
ClientSampleId :
SOIL-1

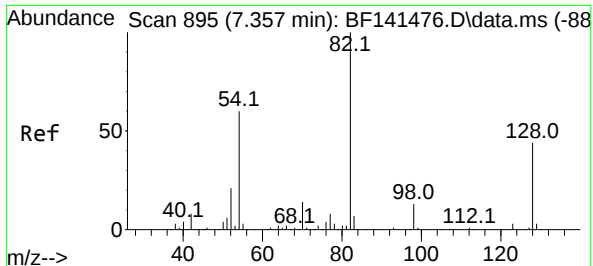
Tgt Ion: 99 Resp: 580992
Ion Ratio Lower Upper
99 100
42 23.3 19.1 28.7
71 38.3 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

Tgt Ion: 136 Resp: 348484
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 7.2 10.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 57.194 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141542.D

Acq: 10 Feb 2025 18:34

Instrument :

BNA_F

ClientSampleId :

SOIL-1

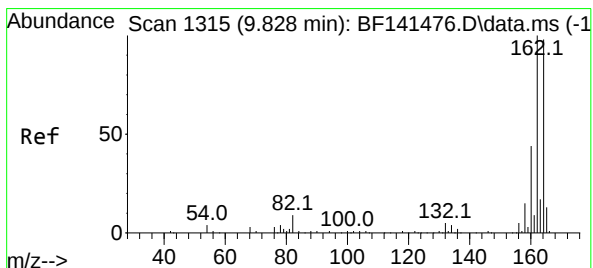
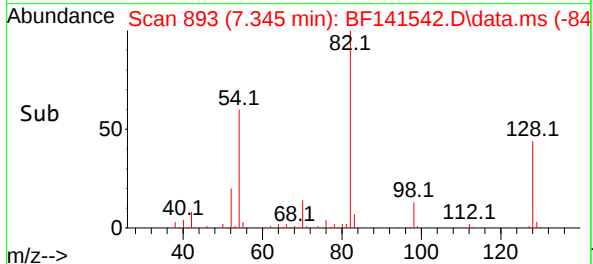
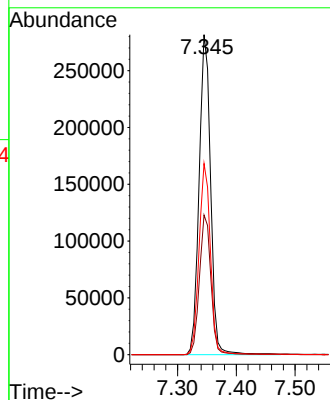
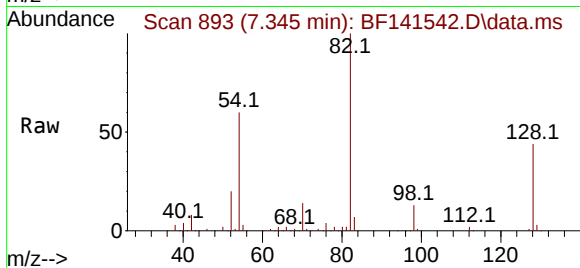
Tgt Ion: 82 Resp: 382131

Ion Ratio Lower Upper

82 100

128 43.6 34.8 52.2

54 59.8 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.821 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141542.D

Acq: 10 Feb 2025 18:34

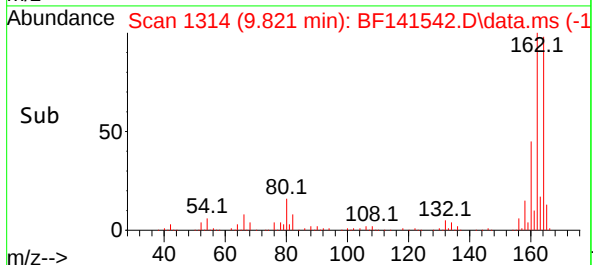
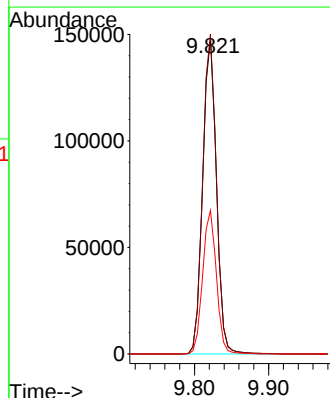
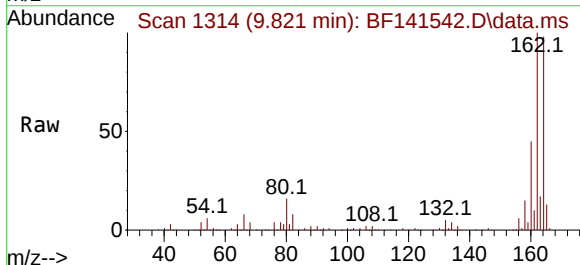
Tgt Ion:164 Resp: 190103

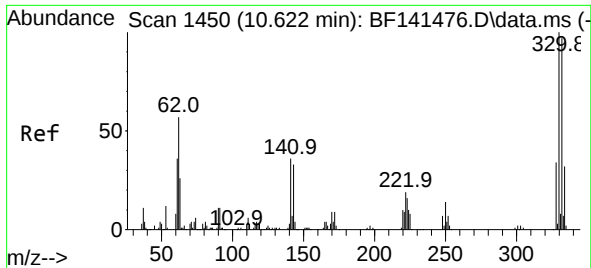
Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

160 45.6 35.9 53.9

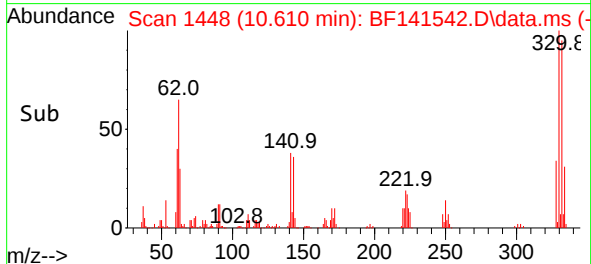
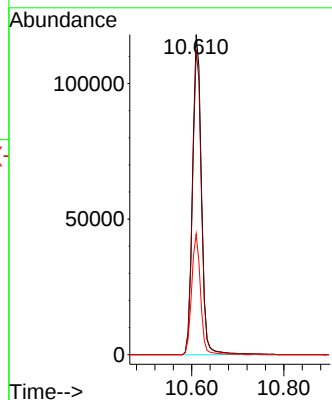
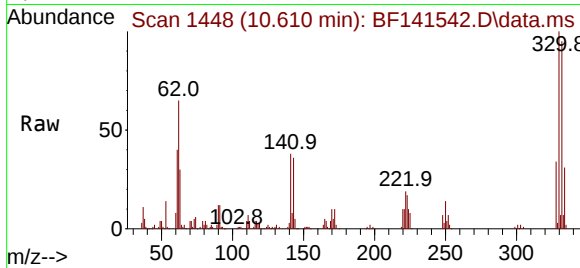




#42
 2,4,6-Tribromophenol
 Concen: 83.044 ng
 RT: 10.610 min Scan# 1448
 Delta R.T. -0.018 min
 Lab File: BF141542.D
 Acq: 10 Feb 2025 18:34

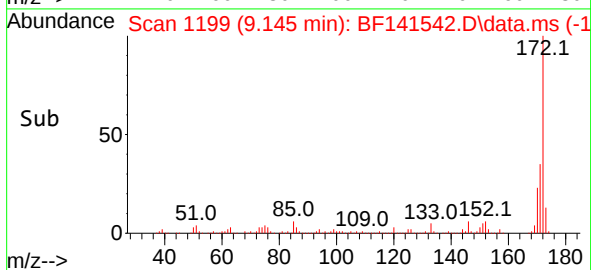
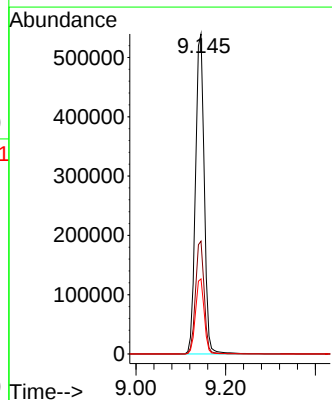
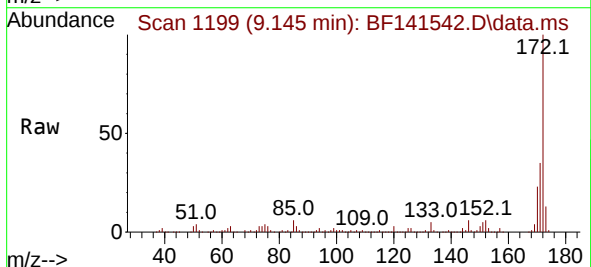
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Tgt Ion:330 Resp: 158587
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.5 117.7
 141 37.4 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 59.203 ng
 RT: 9.145 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: BF141542.D
 Acq: 10 Feb 2025 18:34

Tgt Ion:172 Resp: 730519
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.7 43.1
 170 23.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141542.D

Acq: 10 Feb 2025 18:34

Instrument :

BNA_F

ClientSampleId :

SOIL-1

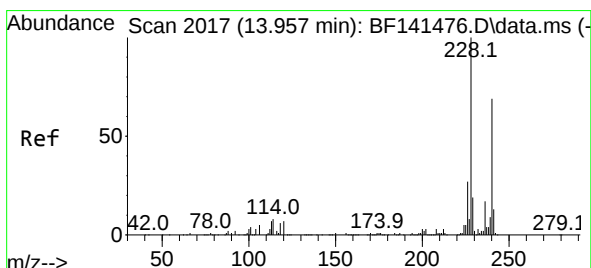
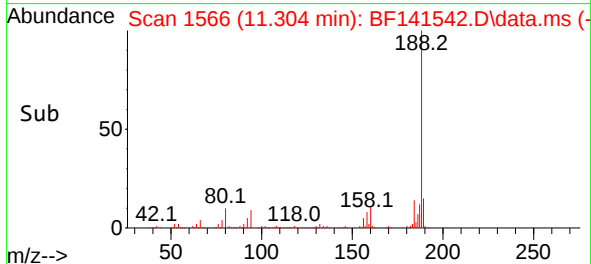
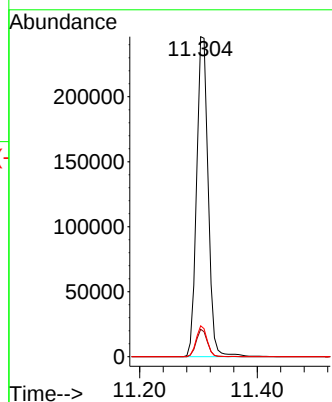
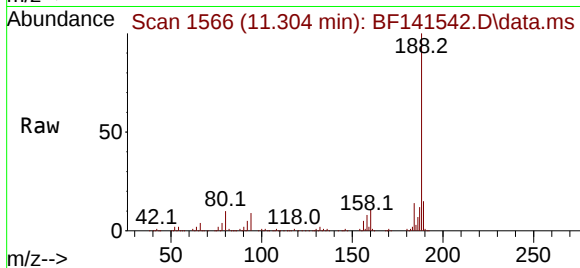
Tgt Ion:188 Resp: 335576

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.7 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF141542.D

Acq: 10 Feb 2025 18:34

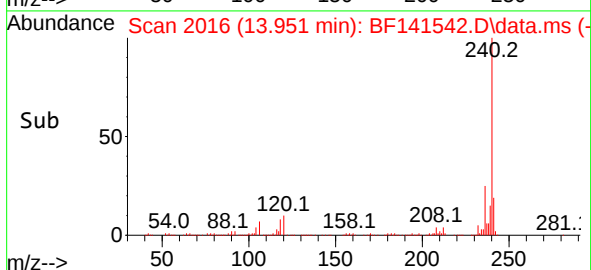
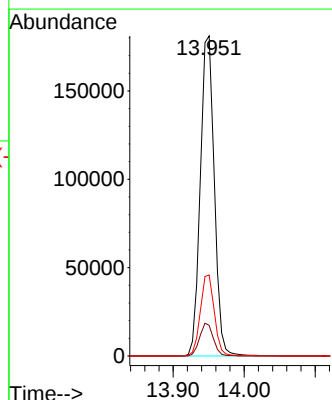
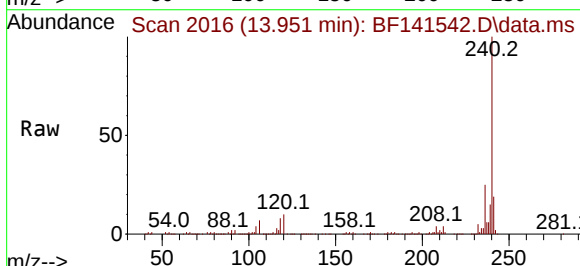
Tgt Ion:240 Resp: 249038

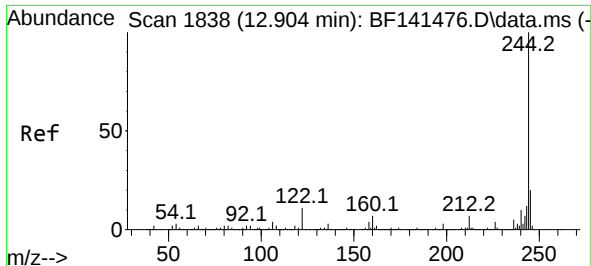
Ion Ratio Lower Upper

240 100

120 9.5 8.0 12.0

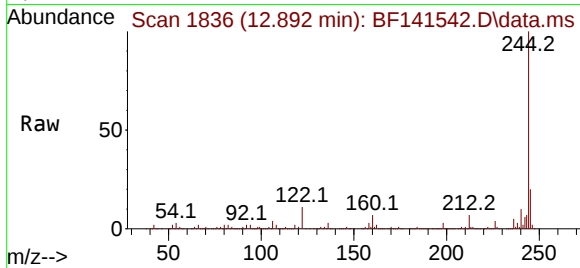
236 25.3 19.8 29.8



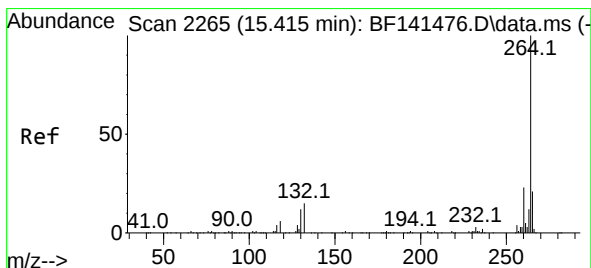
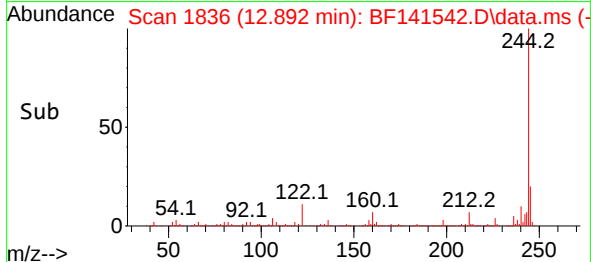
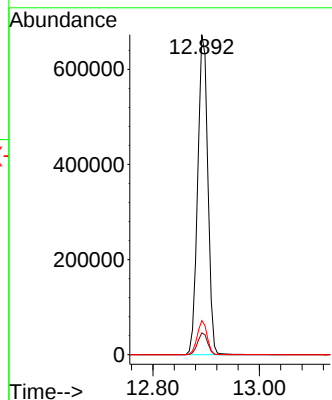


#79
 Terphenyl-d14
 Concen: 60.405 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141542.D
 Acq: 10 Feb 2025 18:34

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1



Tgt Ion:244 Resp: 891088
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.7 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.403 min Scan# 2263
 Delta R.T. -0.012 min
 Lab File: BF141542.D
 Acq: 10 Feb 2025 18:34

Tgt Ion:264 Resp: 185248
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 22.1 17.0 25.4

