

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)

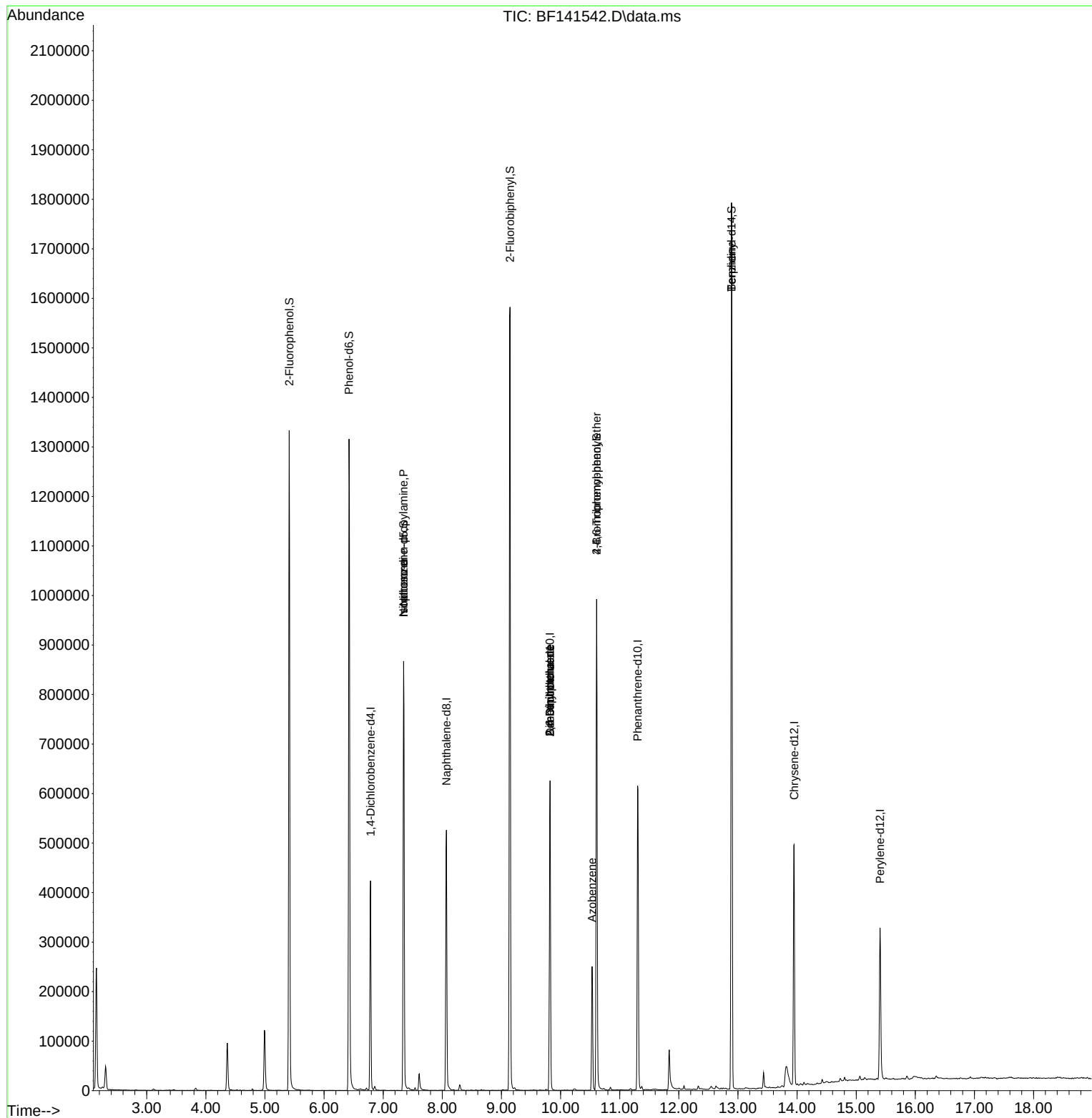
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	85953	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348484	20.000	ng	0.00
39) Acenaphthene-d10	9.821	164	190103	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	335576	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	249038	20.000	ng	-0.01
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.345	70	52471	12.659	ng	# 75
25) Isophorone	7.345	82	366103	34.366	ng	# 66
50) Dimethylphthalate	9.821	163	29426	2.280	ng	# 1
51) 2,6-Dinitrotoluene	9.821	165	24147	8.559	ng	# 22
57) 2,4-Dinitrotoluene	9.821	165	24147	6.429	ng	# 18
63) Azobenzene	10.533	77	62063	4.917	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	10943	2.918	ng	# 1
77) Benzidine	12.892	184	11996	2.184	ng	# 94

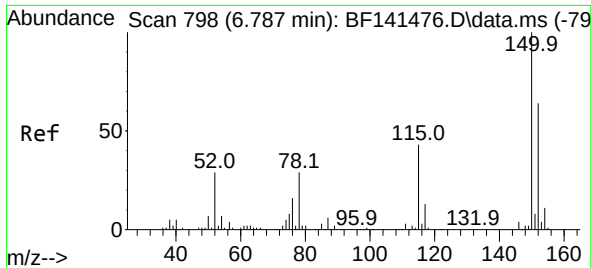
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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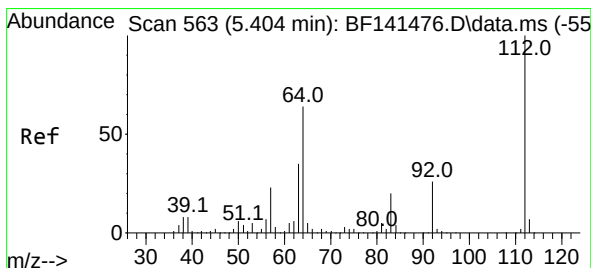
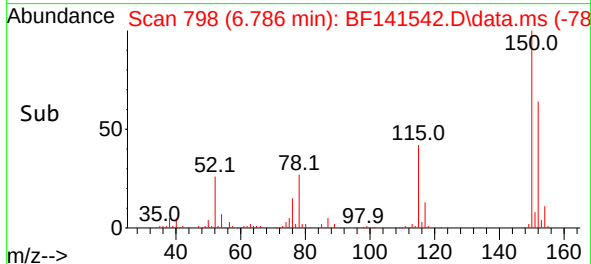
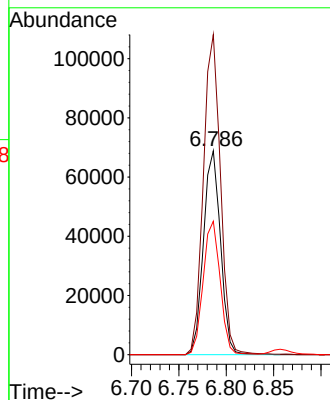
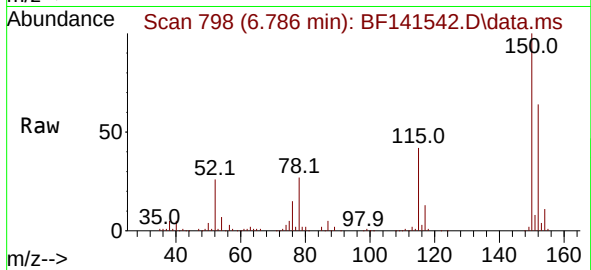




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: BF141542.D
 Acq: 10 Feb 2025 18:34

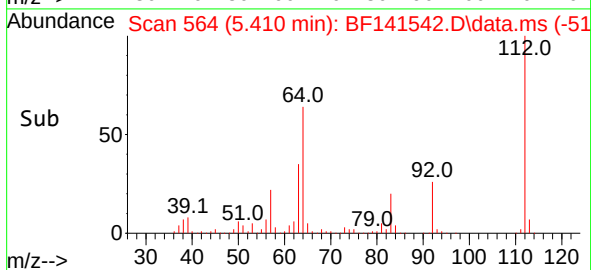
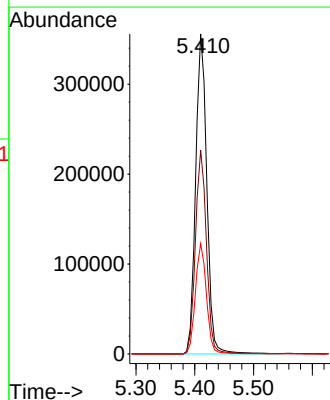
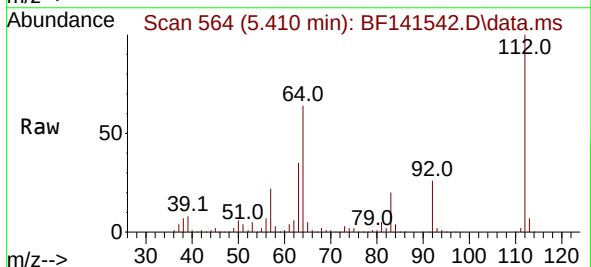
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

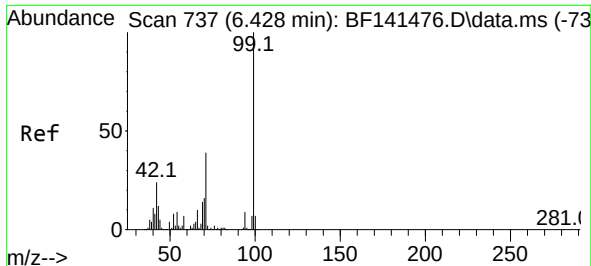
Tgt Ion:152 Resp: 85953
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.0 187.4
 115 65.5 53.6 80.4



#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

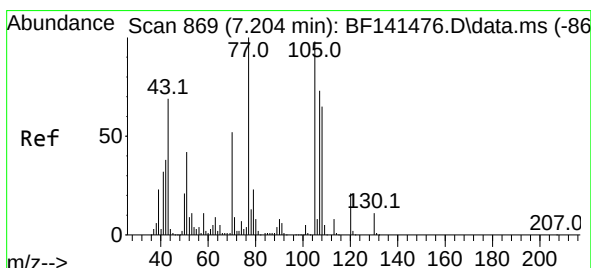
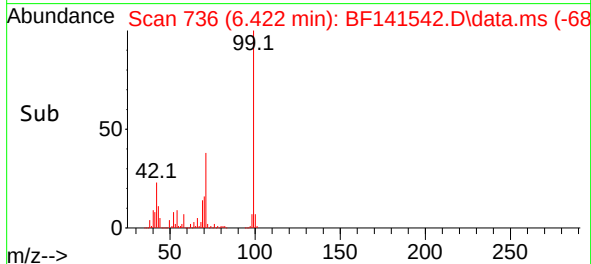
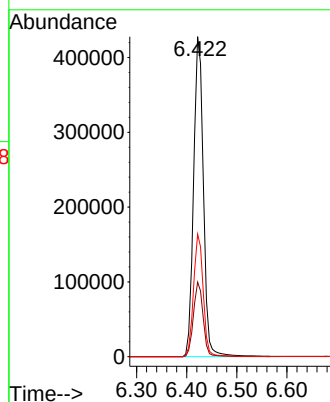
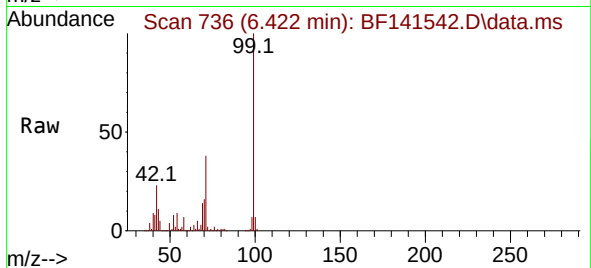
Instrument :

BNA_F

ClientSampleId :

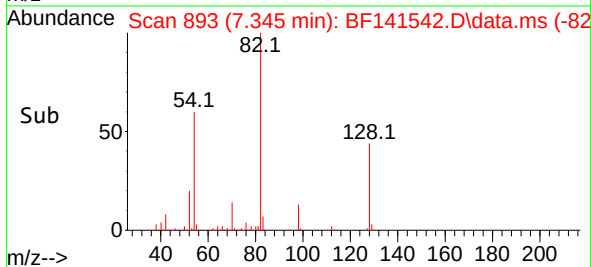
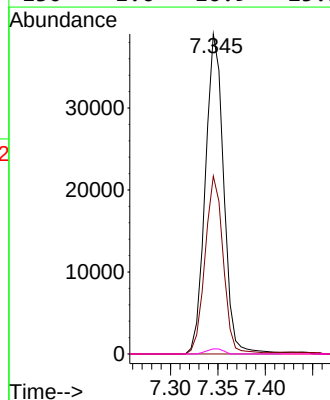
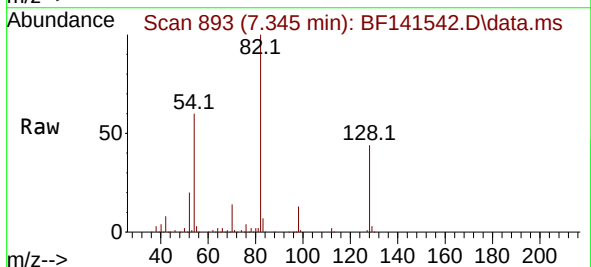
SOIL-1

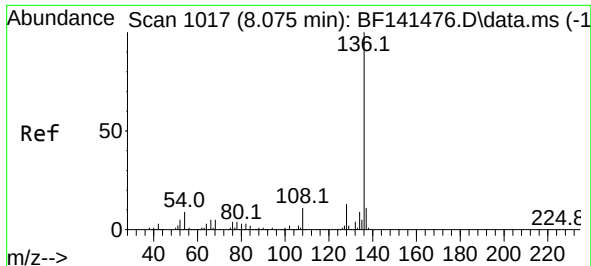
Tgt Ion: 99 Resp: 580992
Ion Ratio Lower Upper
99 100
42 23.3 19.1 28.7
71 38.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.659 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

Tgt Ion: 70 Resp: 52471
Ion Ratio Lower Upper
70 100
42 55.6 57.4 86.2#
101 0.0 8.0 12.0#
130 1.6 16.9 25.3#

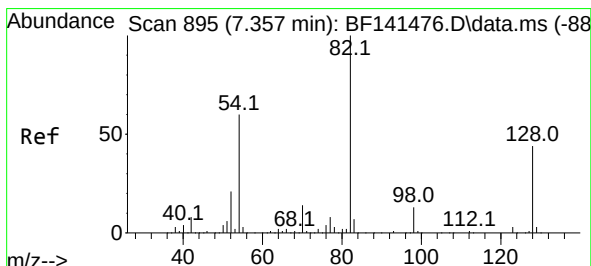
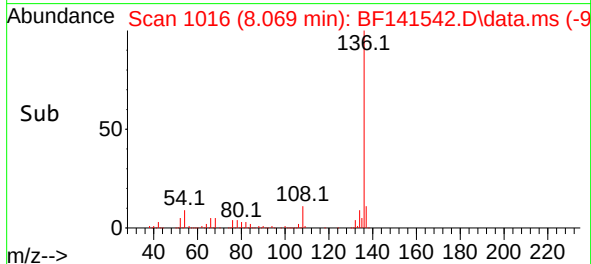
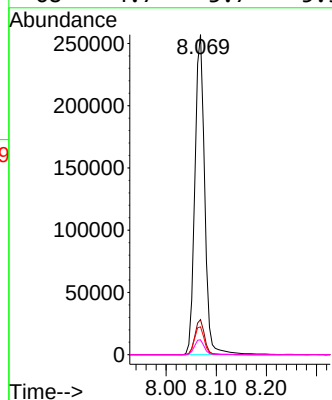
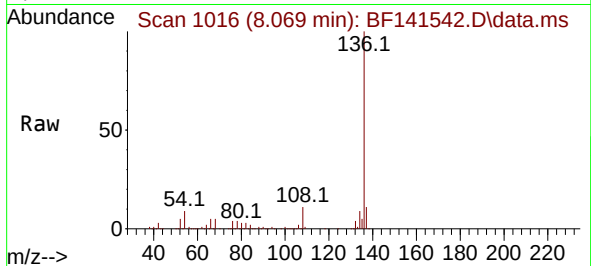




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

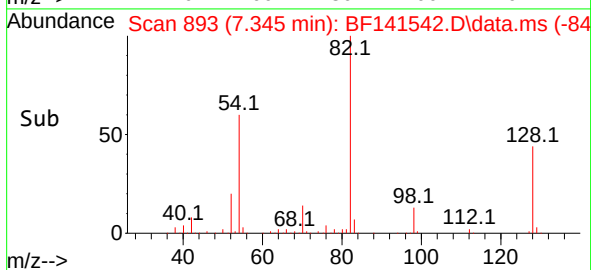
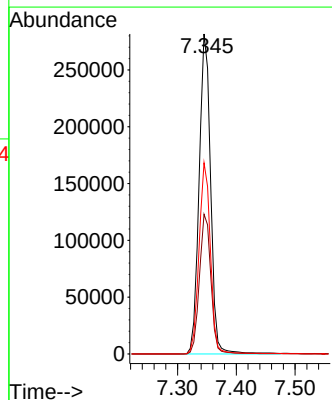
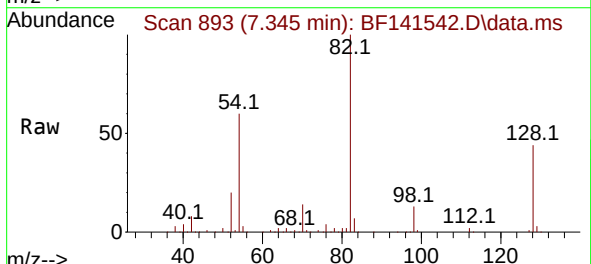
Instrument :
BNA_F
ClientSampleId :
SOIL-1

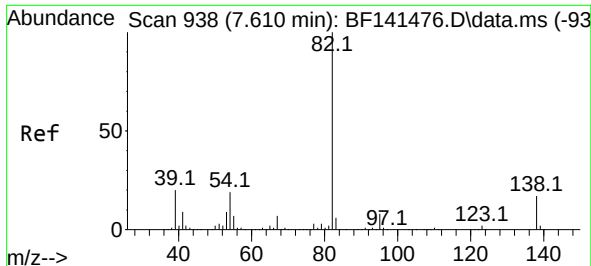
Tgt Ion:136 Resp: 348484
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 57.194 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

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

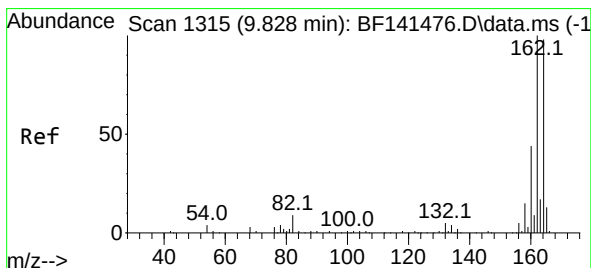
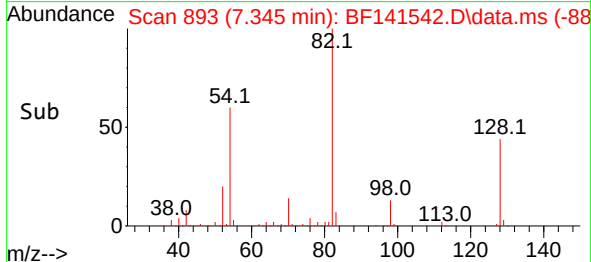
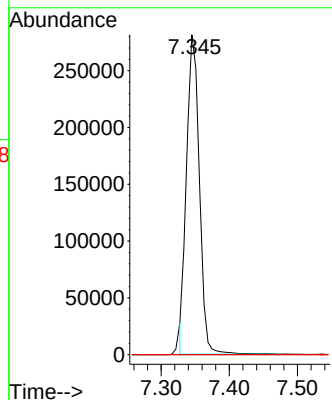
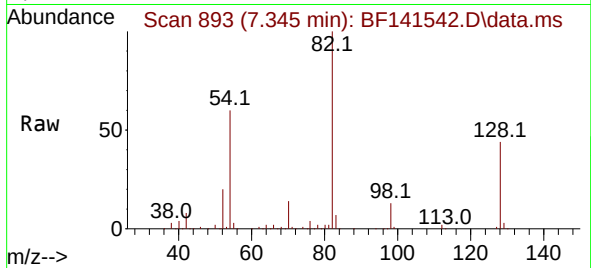




#25
Isophorone
Concen: 34.366 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

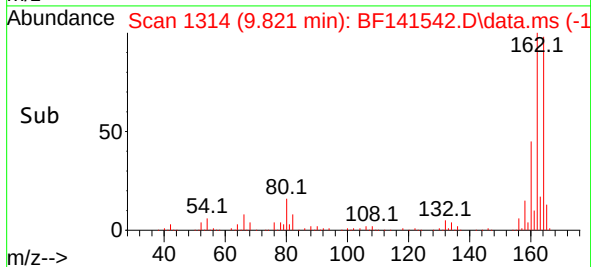
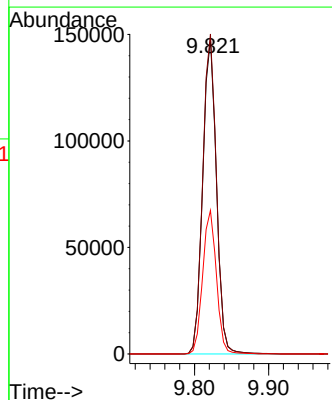
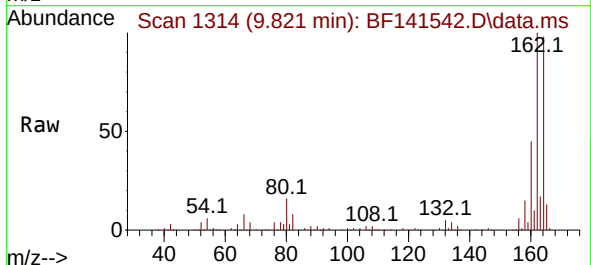
Instrument :
BNA_F
ClientSampleId :
SOIL-1

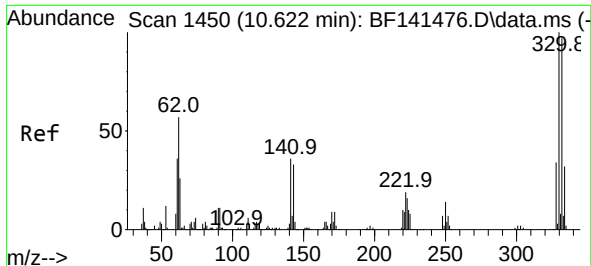
Tgt Ion: 82 Resp: 366103
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#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

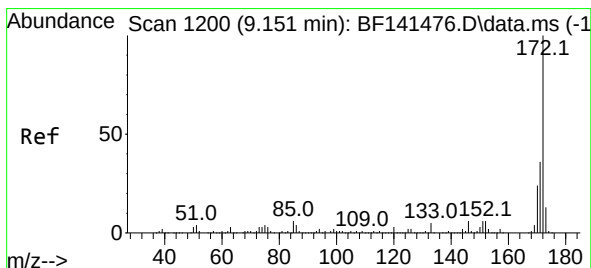
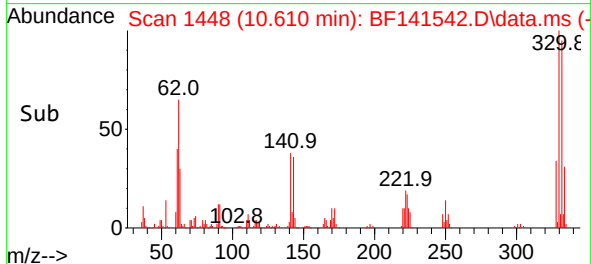
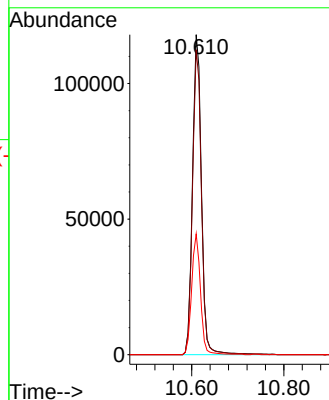
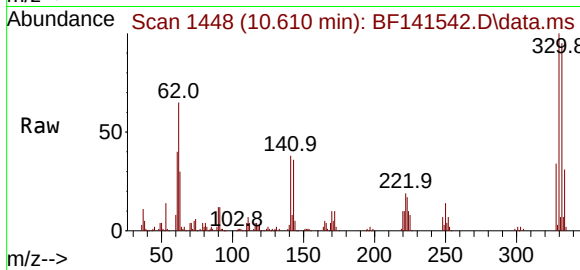
Tgt Ion:330 Resp: 158587

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

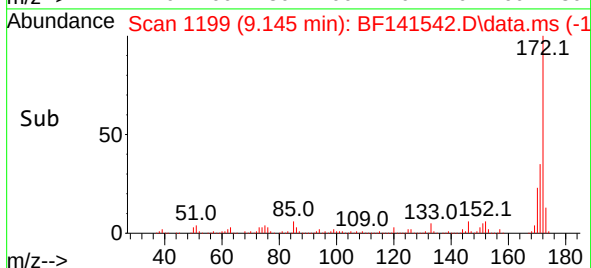
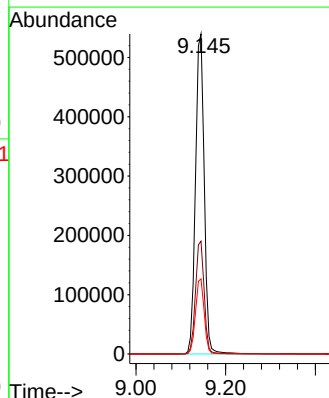
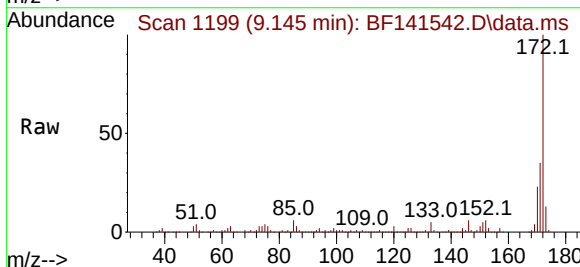
Tgt Ion:172 Resp: 730519

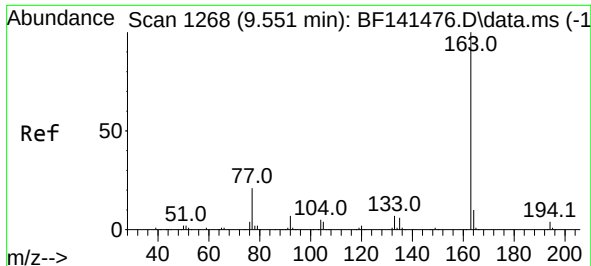
Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 23.5 18.9 28.3

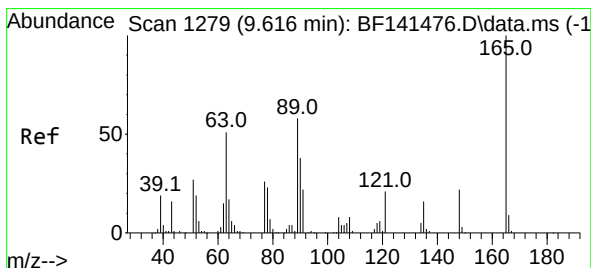
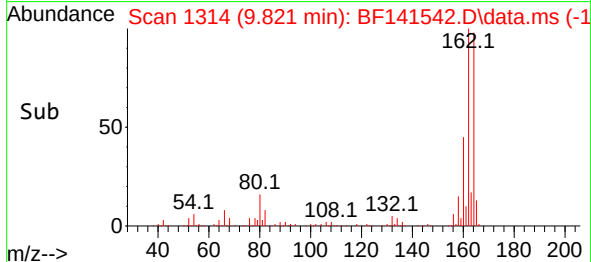
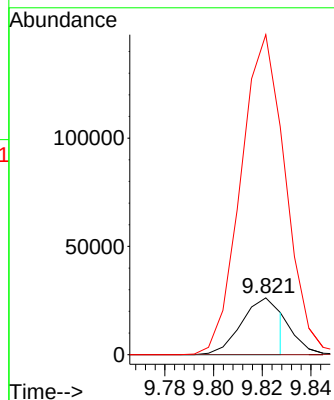
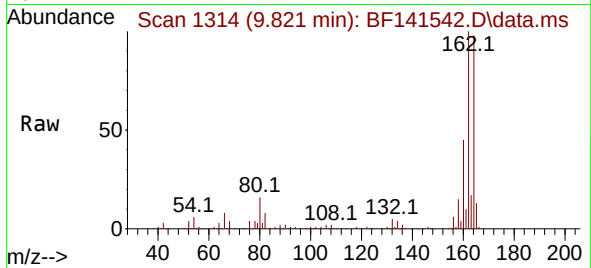




#50
Dimethylphthalate
Concen: 2.280 ng
RT: 9.821 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

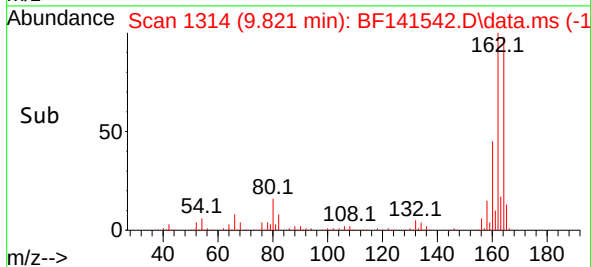
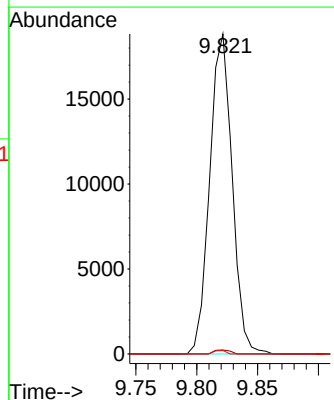
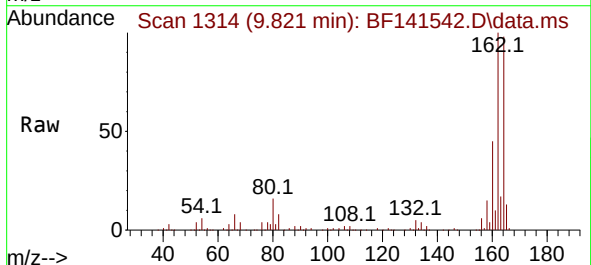
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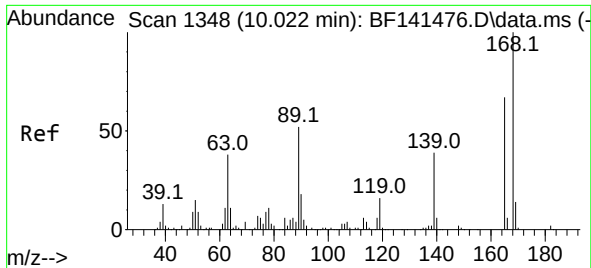
Tgt Ion:163 Resp: 29426
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 563.7 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.559 ng
RT: 9.821 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

Tgt Ion:165 Resp: 24147
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.1 46.5 69.7#

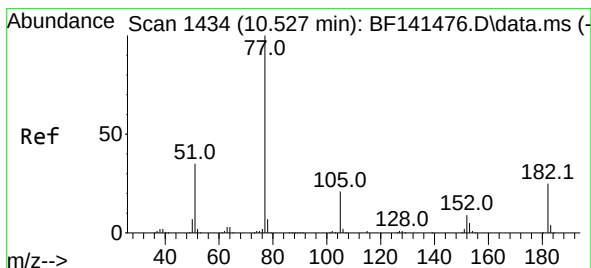
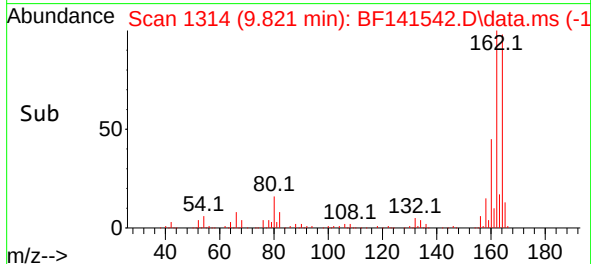
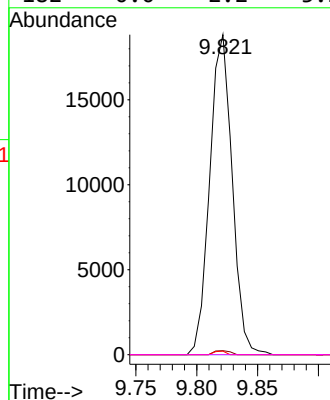
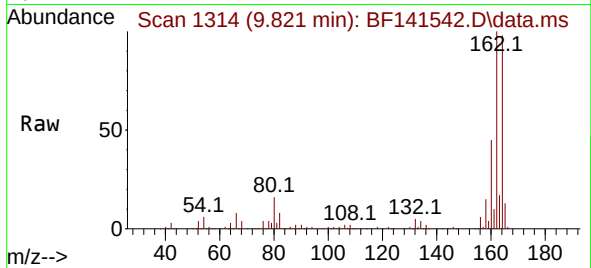




#57
2,4-Dinitrotoluene
Concen: 6.429 ng
RT: 9.821 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

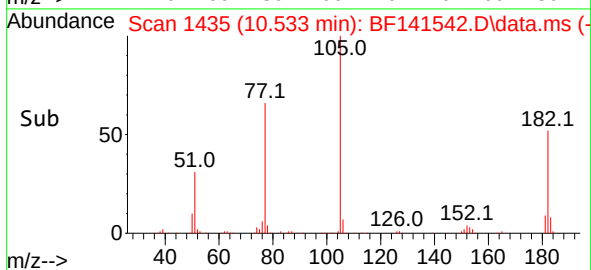
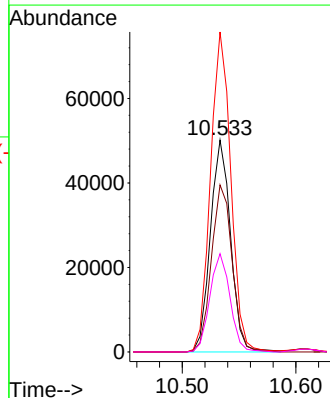
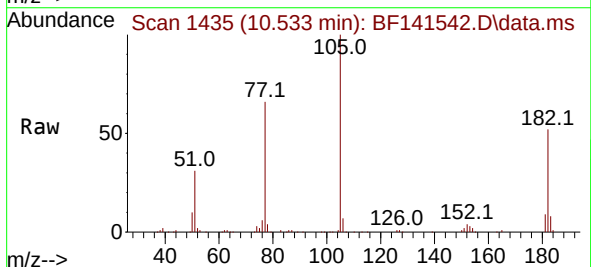
Instrument :
BNA_F
ClientSampleId :
SOIL-1

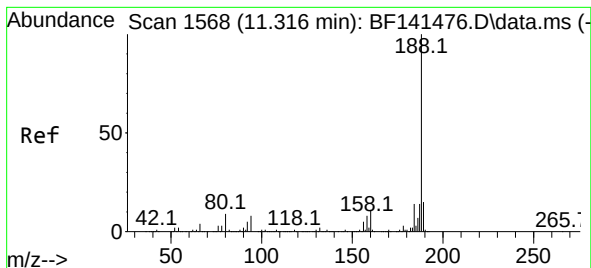
Tgt Ion:165 Resp: 24147
Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.917 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.000 min
Lab File: BF141542.D
Acq: 10 Feb 2025 18:34

Tgt Ion: 77 Resp: 62063
Ion Ratio Lower Upper
77 100
182 78.8 4.7 44.7#
105 151.0 0.4 40.4#
51 46.3 16.5 56.5





#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

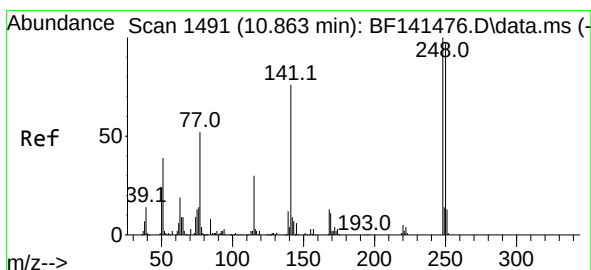
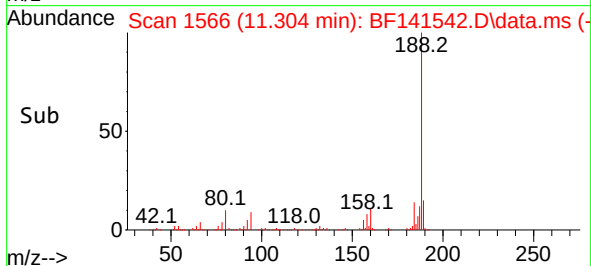
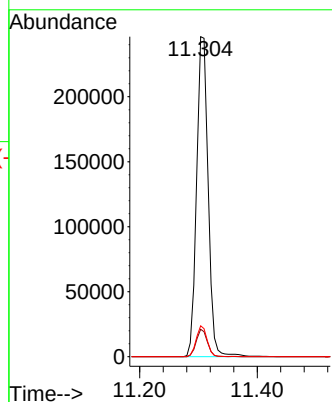
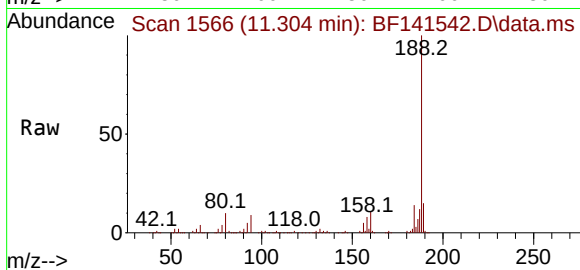
Tgt Ion:188 Resp: 335576

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.7 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.918 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141542.D

Acq: 10 Feb 2025 18:34

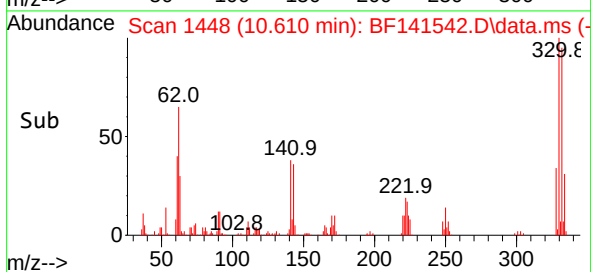
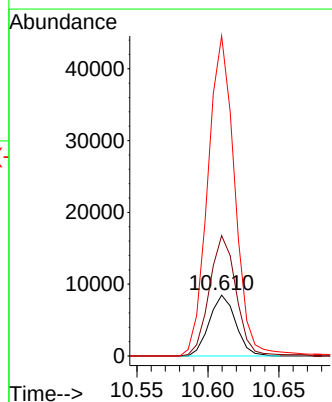
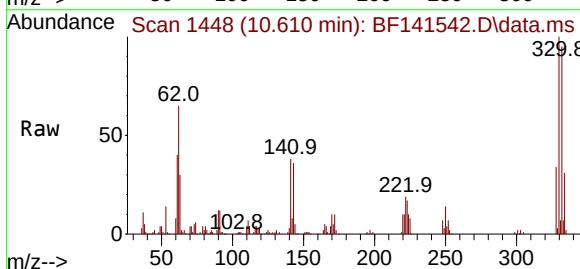
Tgt Ion:248 Resp: 10943

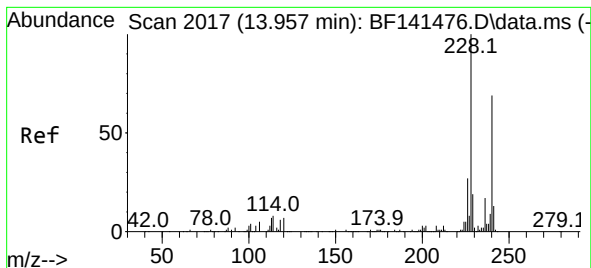
Ion Ratio Lower Upper

248 100

250 197.9 77.8 116.6#

141 525.9 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141542.D

Acq: 10 Feb 2025 18:34

Instrument :

BNA_F

ClientSampleId :

SOIL-1

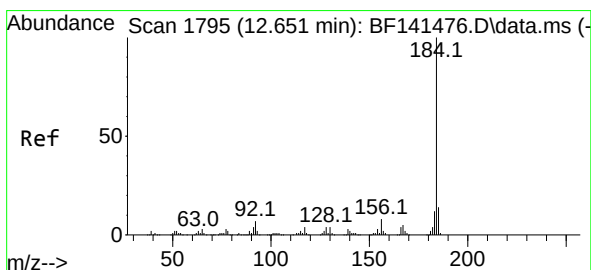
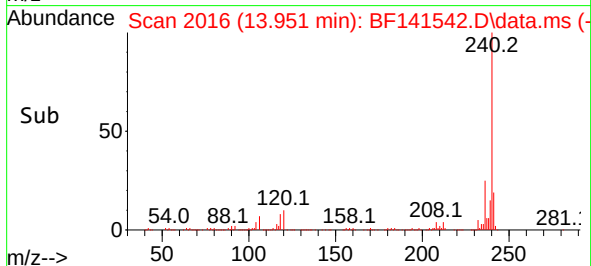
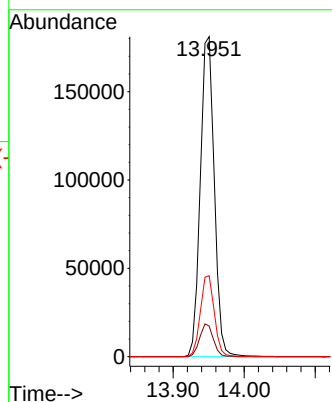
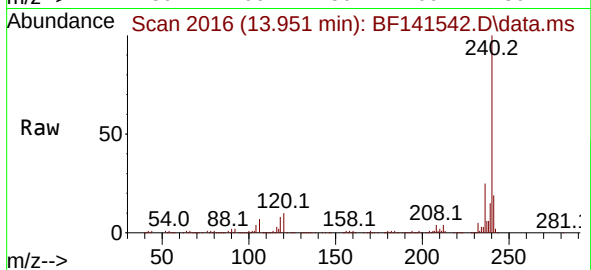
Tgt Ion:240 Resp: 249038

Ion Ratio Lower Upper

240 100

120 9.5 8.0 12.0

236 25.3 19.8 29.8



#77

Benzidine

Concen: 2.184 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.235 min

Lab File: BF141542.D

Acq: 10 Feb 2025 18:34

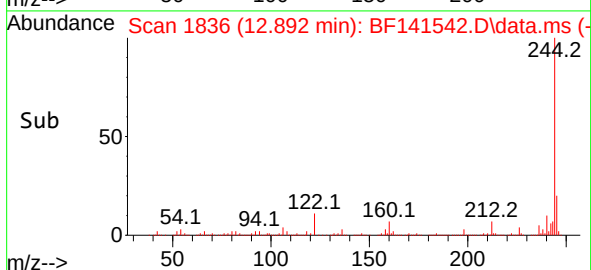
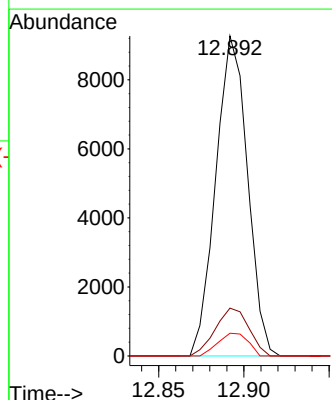
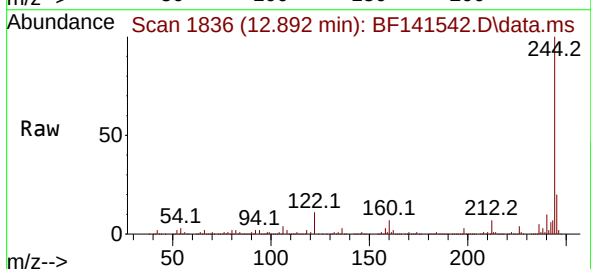
Tgt Ion:184 Resp: 11996

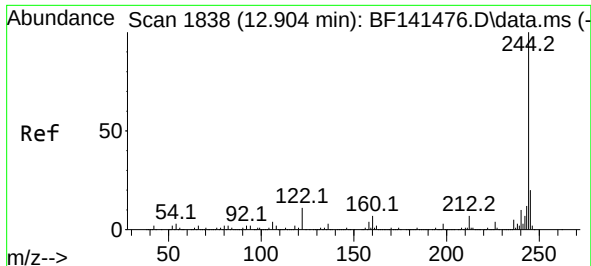
Ion Ratio Lower Upper

184 100

185 15.0 11.3 16.9

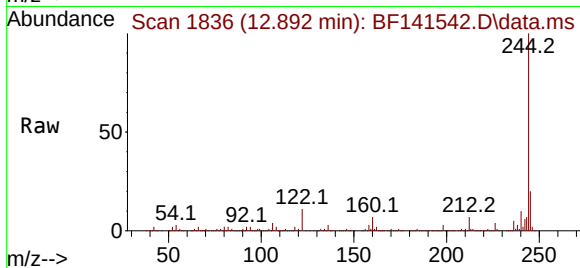
183 7.1 9.3 13.9#



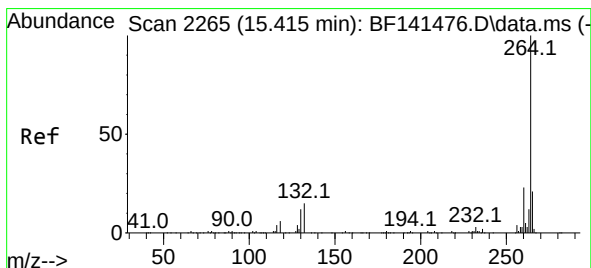
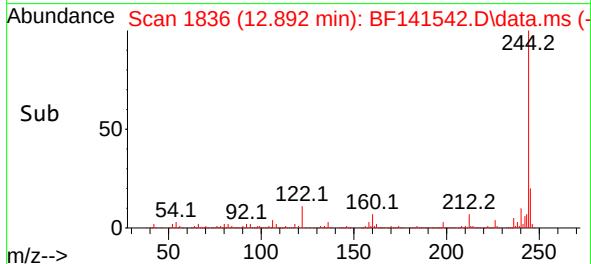
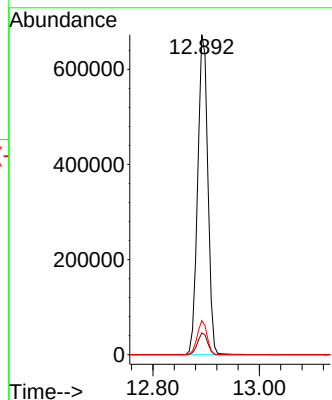


#79
 Terphenyl-d14
 Concen: 60.405 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141542.D
 Acq: 10 Feb 2025 18:34

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

