

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141598.D
 Acq On : 12 Feb 2025 18:46
 Operator : RC/JU
 Sample : Q1346-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Feb 12 22:00:00 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)

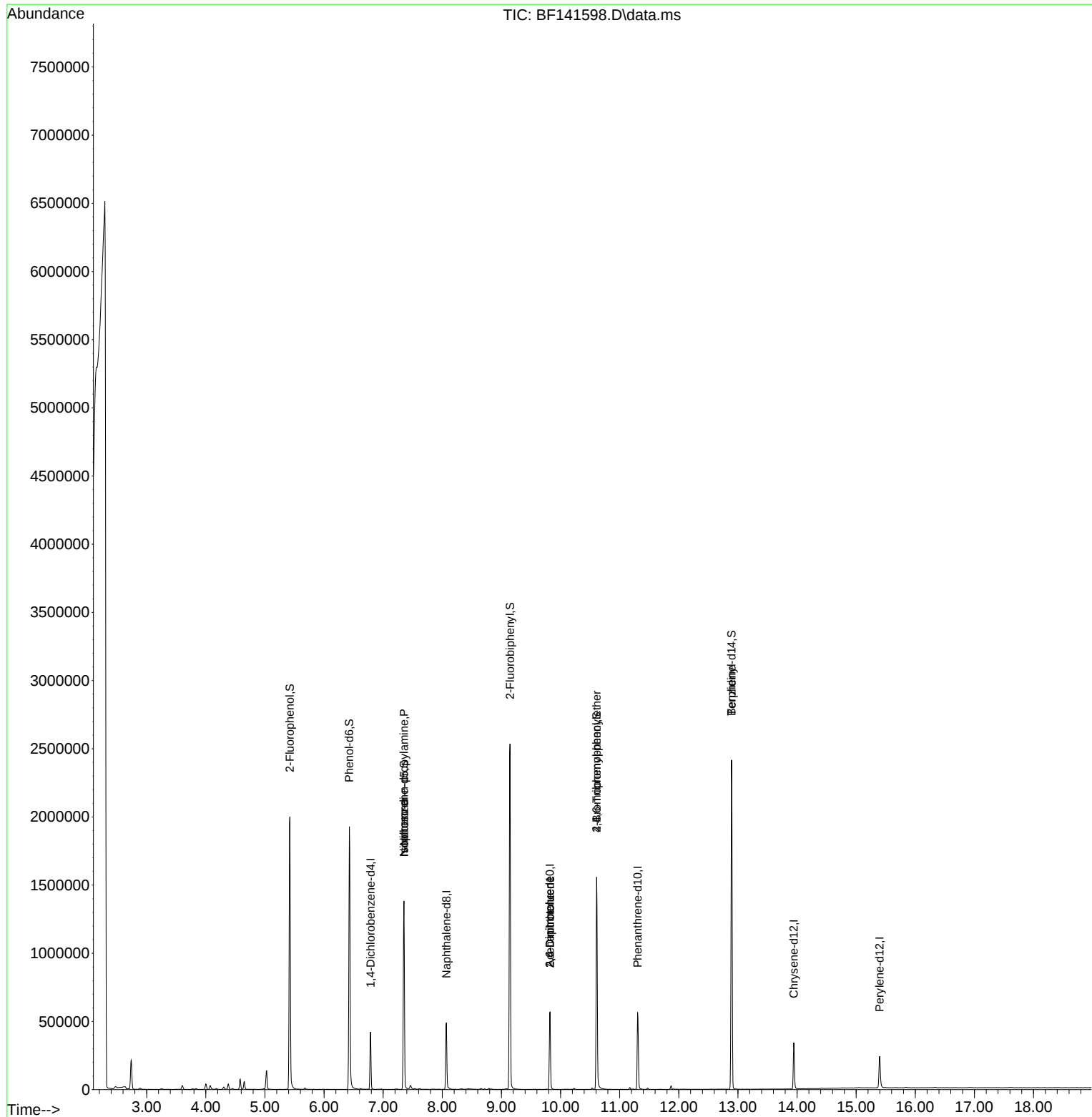
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	85586	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	341792	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	183996	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	311821	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	177859	20.000	ng	-0.02
86) Perylene-d12	15.398	264	151277	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	771812	141.379	ng	0.01
7) Phenol-d6	6.428	99	920384	133.390	ng	-0.01
23) Nitrobenzene-d5	7.351	82	635854	97.033	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	263167	142.381	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1166980	97.714	ng	0.00
79) Terphenyl-d14	12.892	244	1217159	115.528	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	86262	20.900	ng	# 73
25) Isophorone	7.351	82	618955	59.238	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	23055	8.443	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	23055	6.342	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	18129	5.202	ng	# 1
77) Benzidine	12.892	184	16848	4.295	ng	# 92

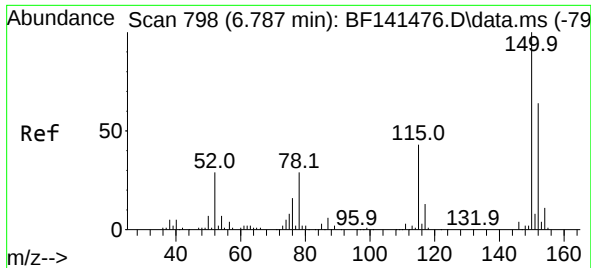
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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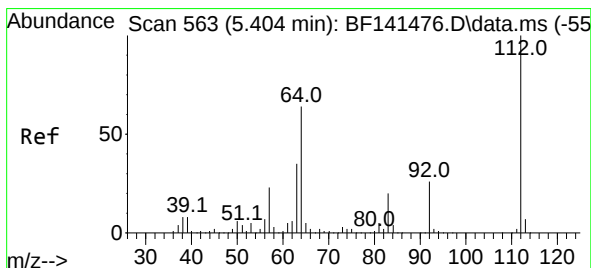
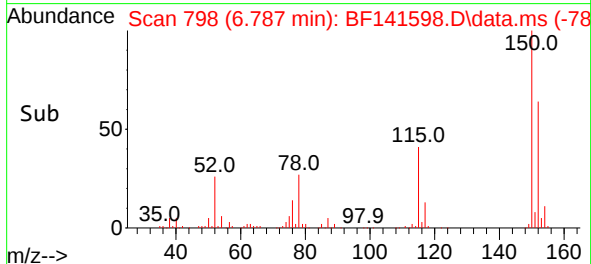
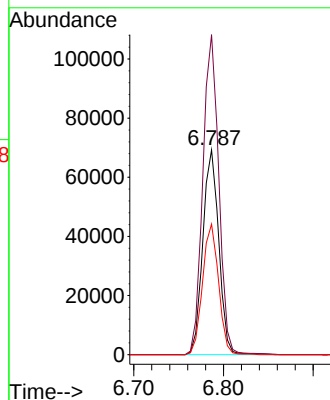
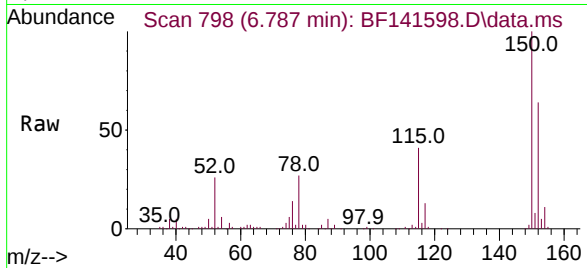




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

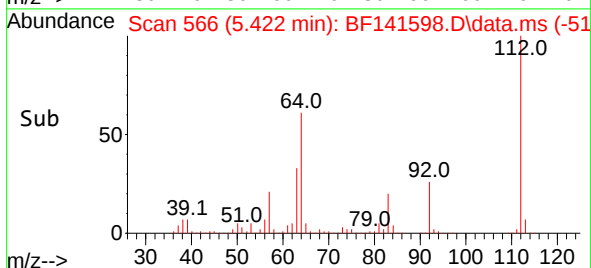
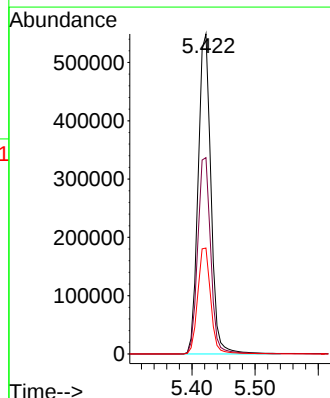
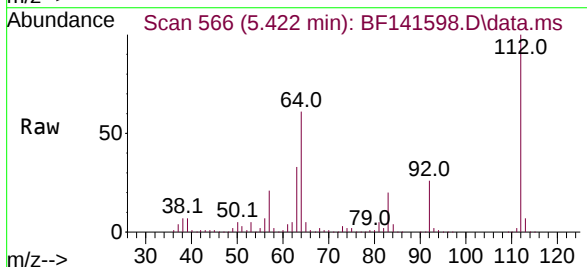
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:152 Resp: 85586
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 63.7 53.6 80.4



#5
2-Fluorophenol
Concen: 141.379 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

Tgt Ion:112 Resp: 771812
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 33.1 28.4 42.6

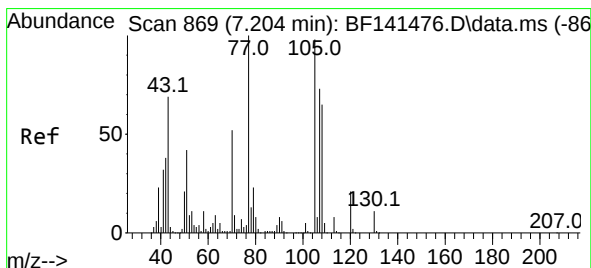
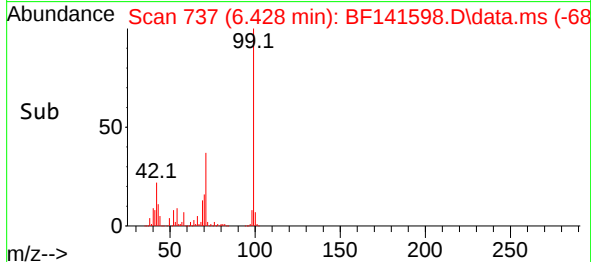
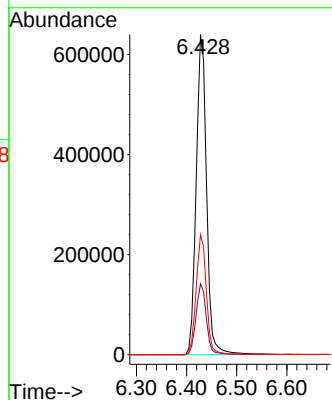
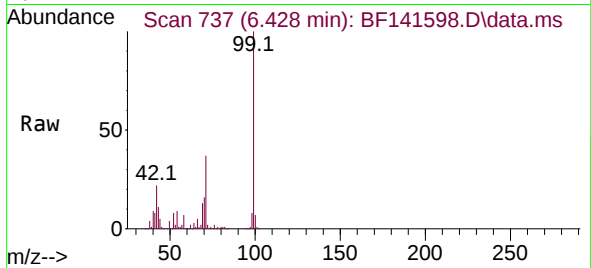




#7
Phenol-d6
Concen: 133.390 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

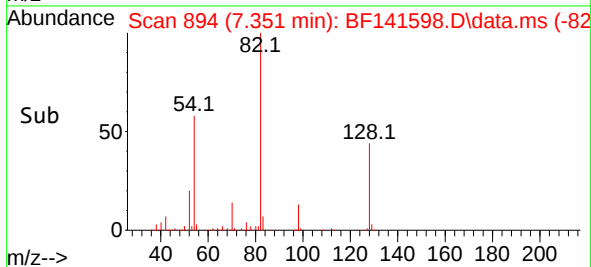
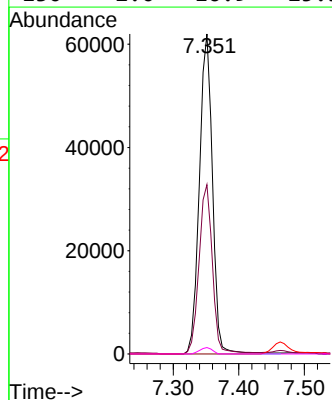
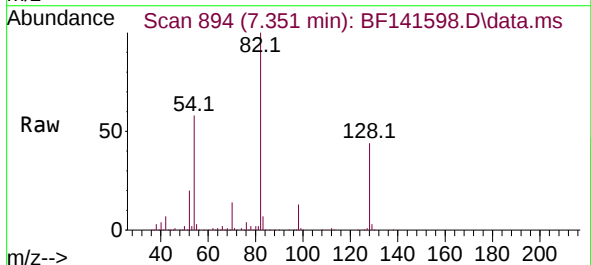
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

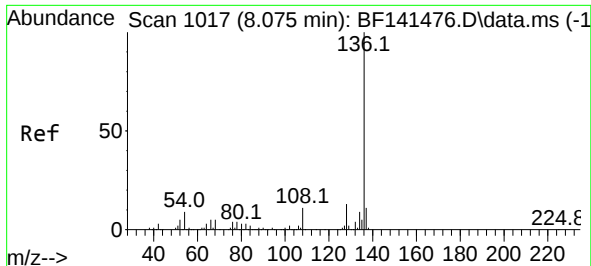
Tgt Ion: 99 Resp: 920384
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 37.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.900 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

Tgt Ion: 70 Resp: 86262
Ion Ratio Lower Upper
70 100
42 52.9 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

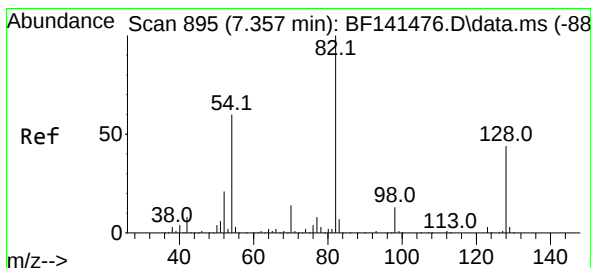
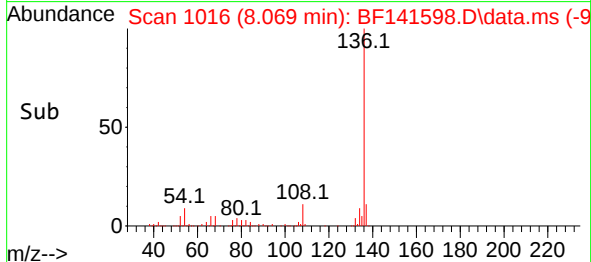
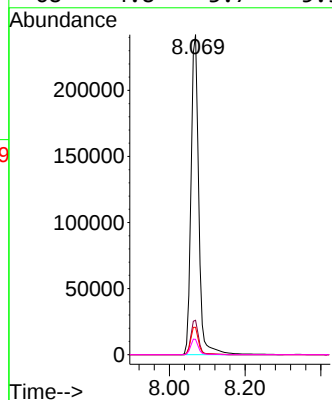
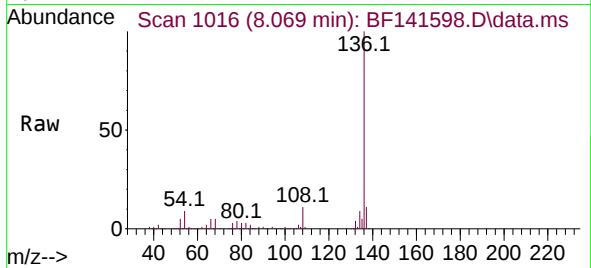




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

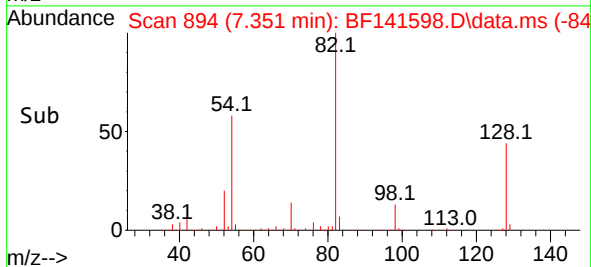
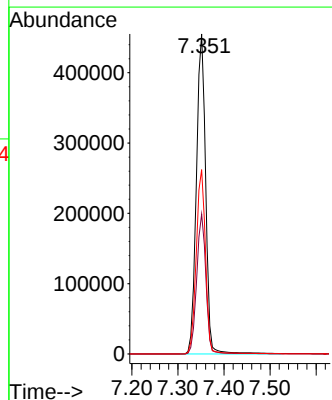
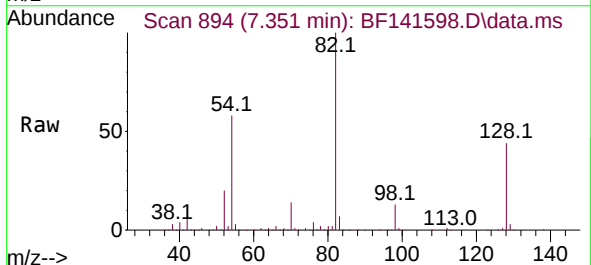
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

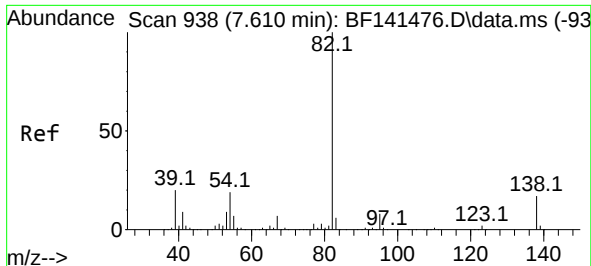
Tgt Ion:136 Resp: 341792
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 97.033 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

Tgt Ion: 82 Resp: 635854
Ion Ratio Lower Upper
82 100
128 43.7 34.8 52.2
54 57.6 48.2 72.4

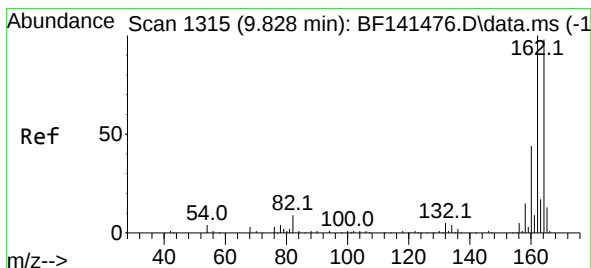
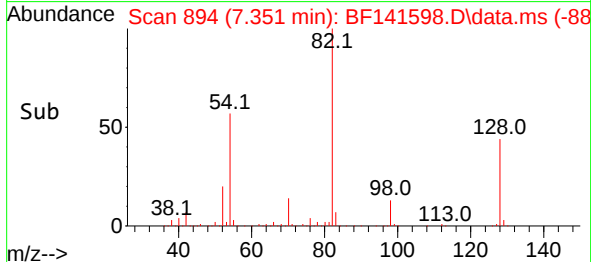
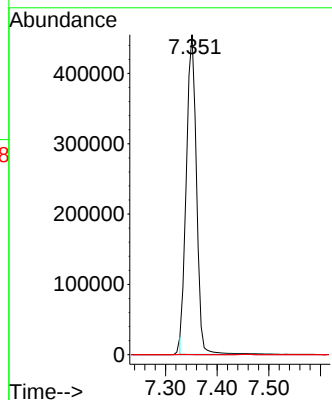
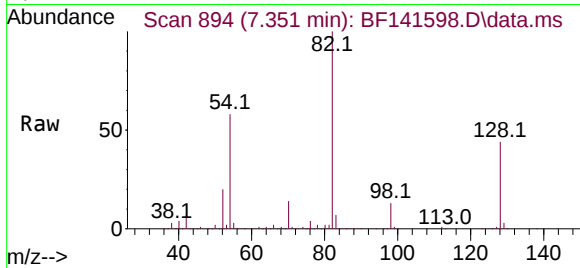




#25
Isophorone
Concen: 59.238 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

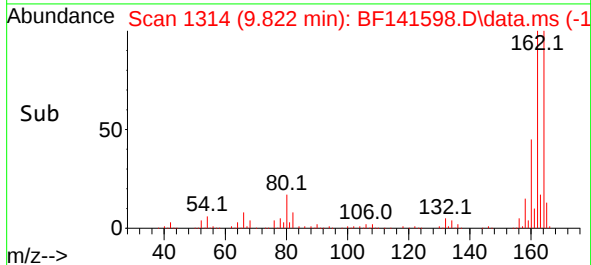
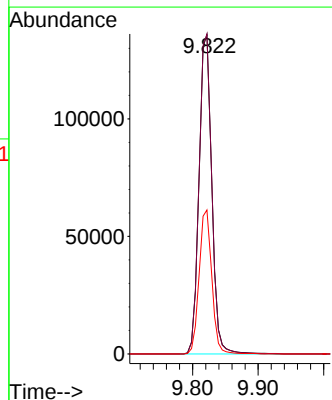
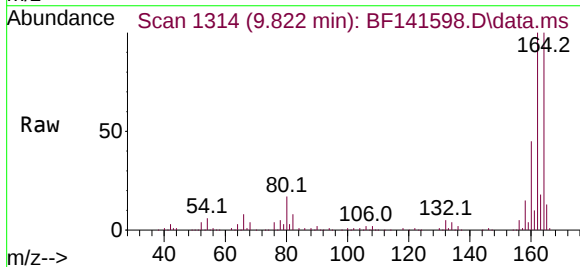
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

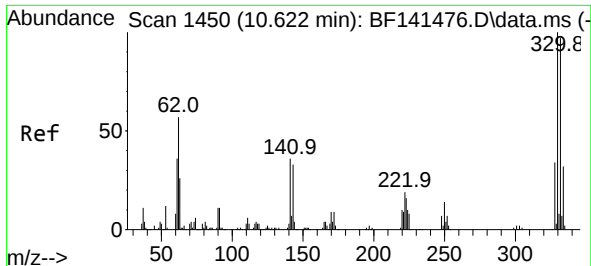
Tgt Ion: 82 Resp: 618955
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

Tgt Ion:164 Resp: 183996
Ion Ratio Lower Upper
164 100
162 100.2 81.3 121.9
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 142.381 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.017 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

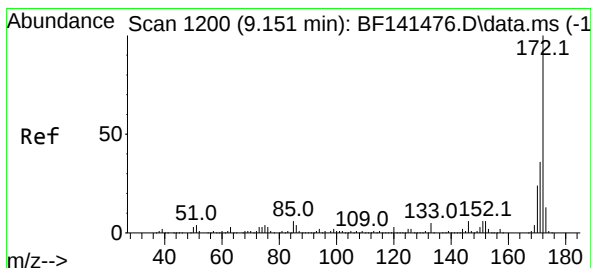
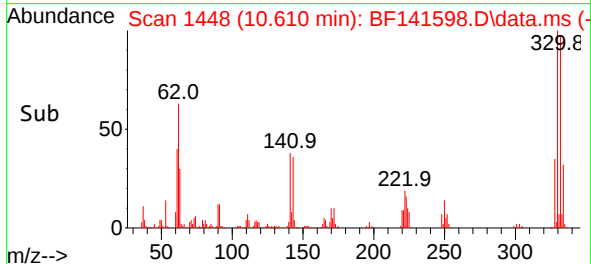
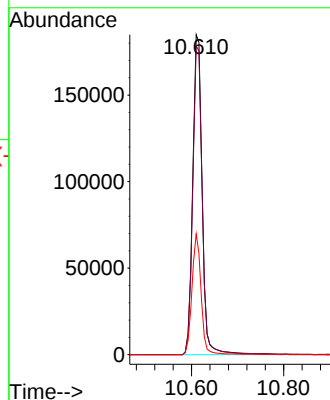
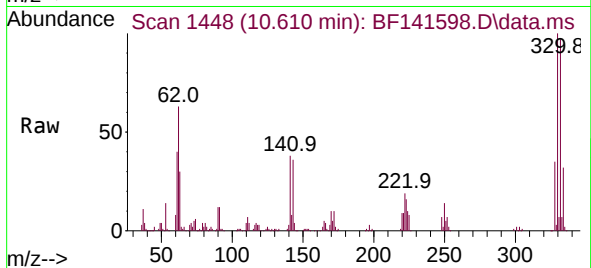
Tgt Ion:330 Resp: 263167

Ion Ratio Lower Upper

330 100

332 96.6 78.5 117.7

141 36.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 97.714 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

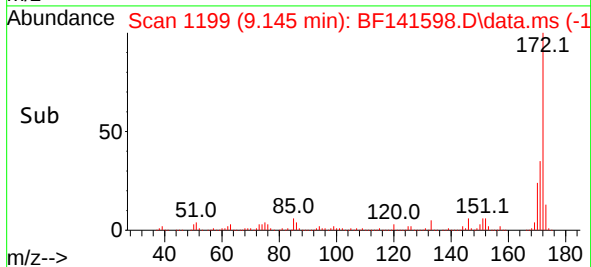
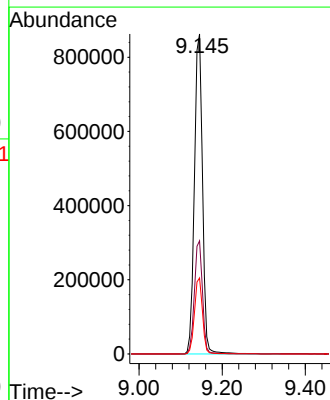
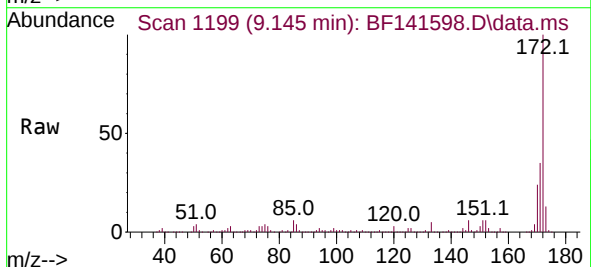
Tgt Ion:172 Resp: 1166980

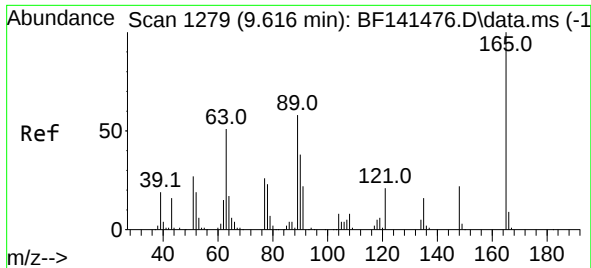
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.7 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.443 ng

RT: 9.822 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

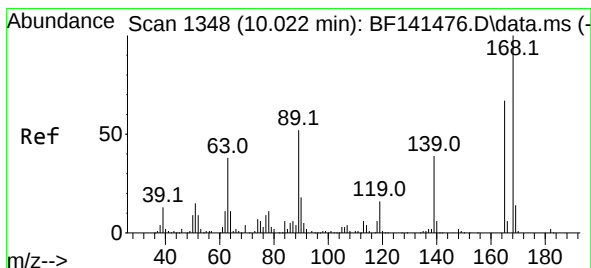
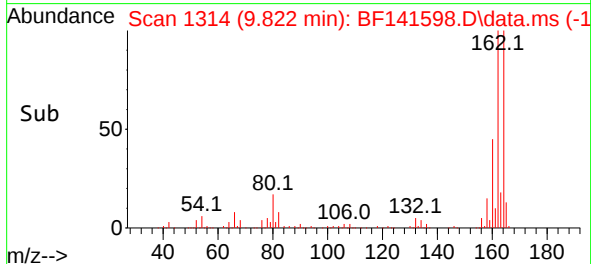
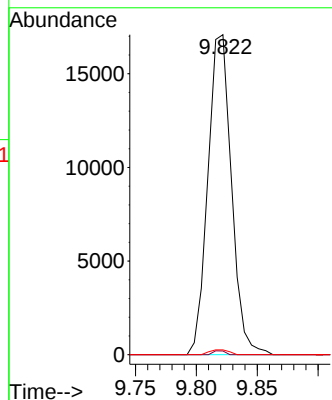
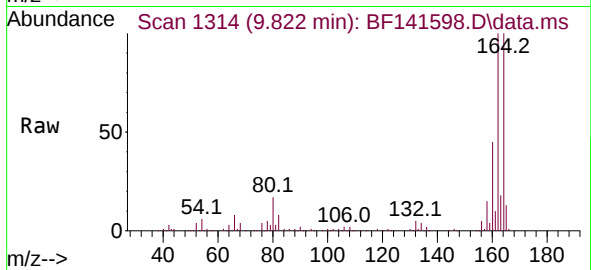
Tgt Ion:165 Resp: 23055

Ion Ratio Lower Upper

165 100

63 1.1 49.4 74.0#

89 1.5 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.342 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

Tgt Ion:165 Resp: 23055

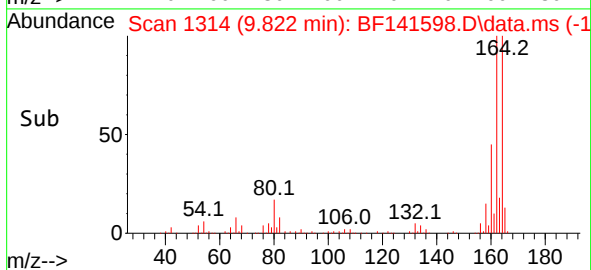
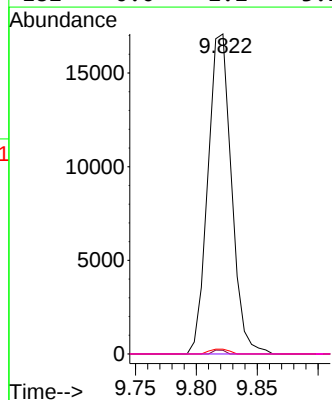
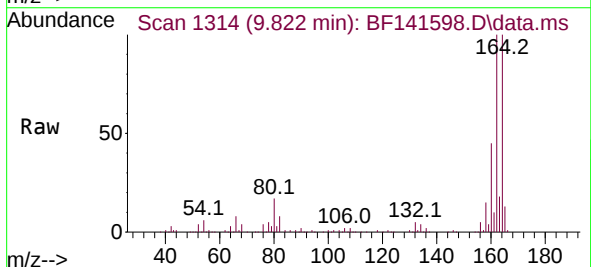
Ion Ratio Lower Upper

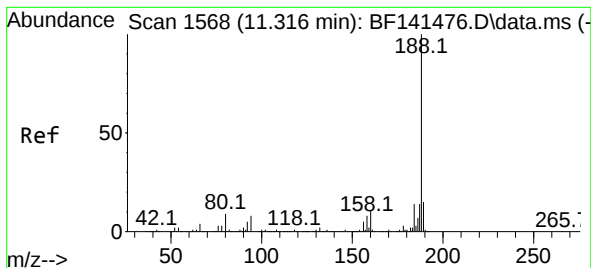
165 100

63 1.1 46.4 69.6#

89 1.5 61.8 92.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

Instrument :

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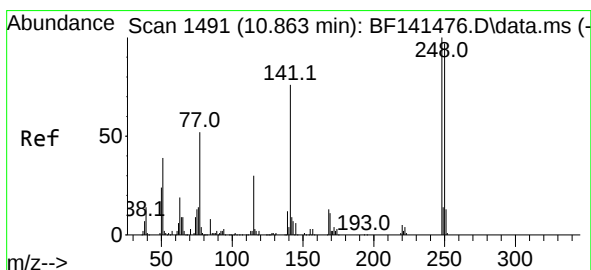
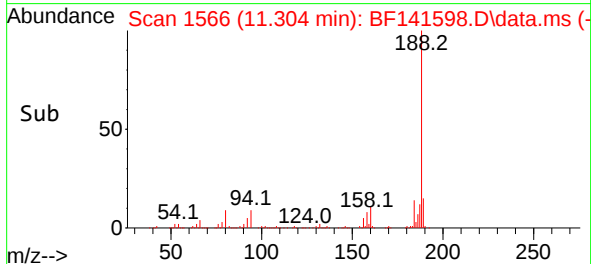
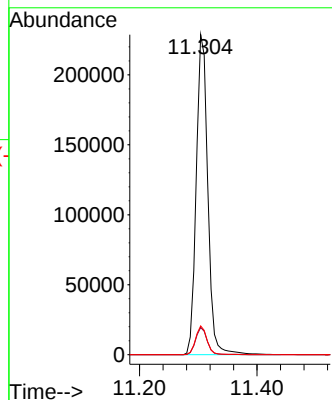
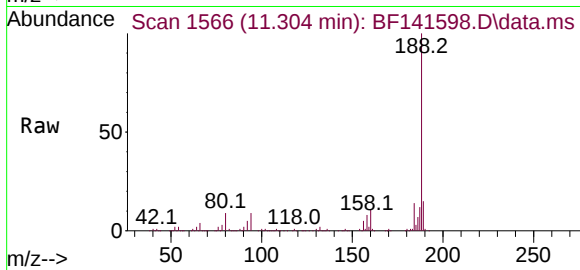
Tgt Ion:188 Resp: 311821

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.202 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

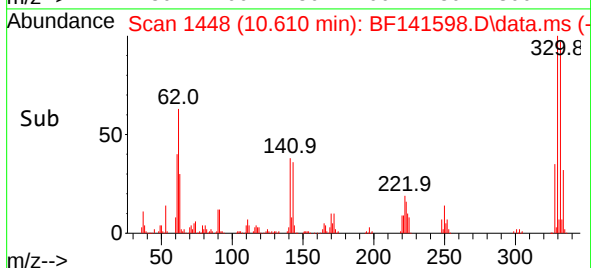
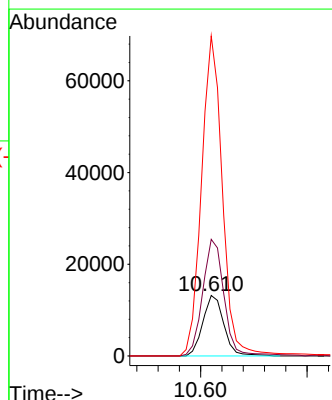
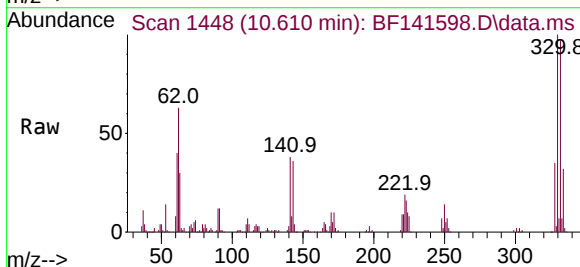
Tgt Ion:248 Resp: 18129

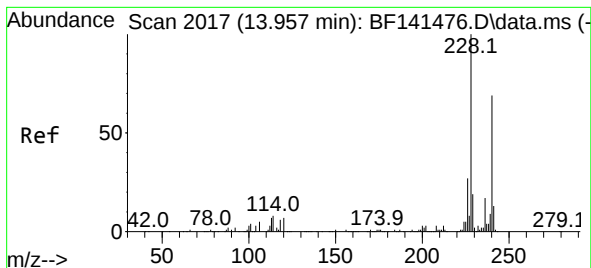
Ion Ratio Lower Upper

248 100

250 192.9 77.8 116.6#

141 529.1 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

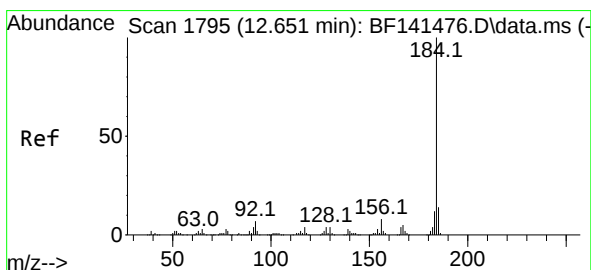
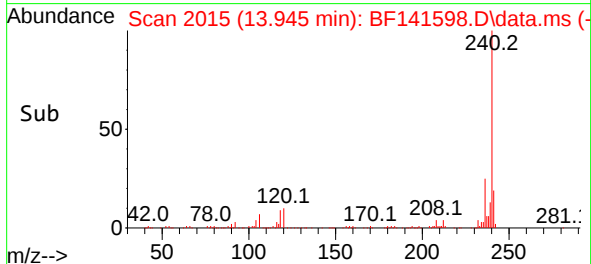
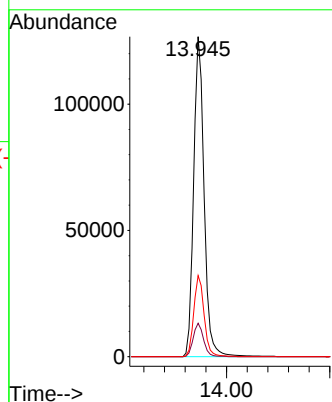
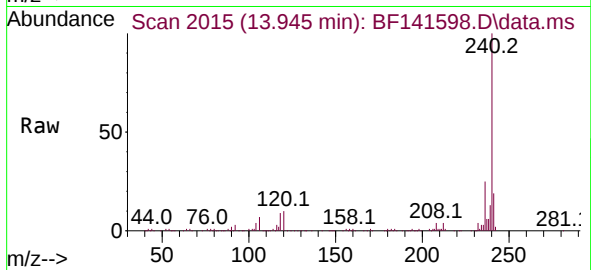
Tgt Ion:240 Resp: 177859

Ion Ratio Lower Upper

240 100

120 10.5 8.0 12.0

236 25.4 19.8 29.8



#77

Benzdine

Concen: 4.295 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.235 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

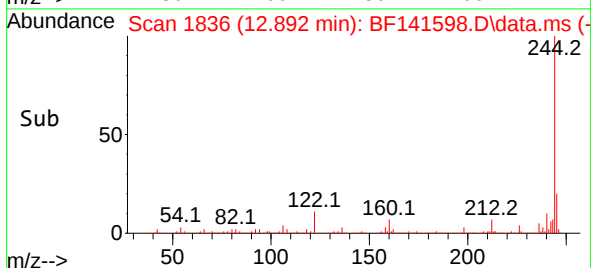
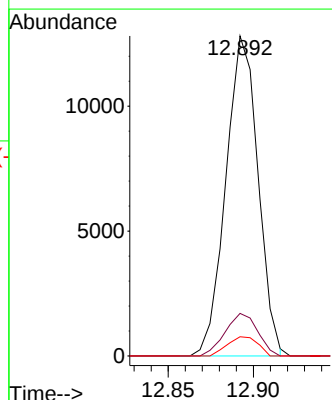
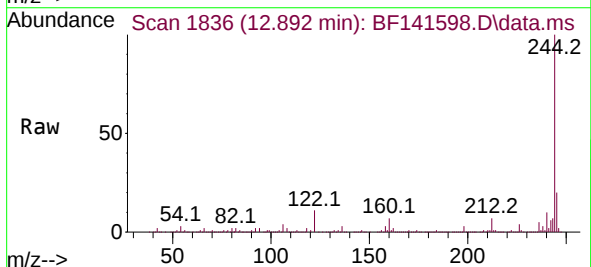
Tgt Ion:184 Resp: 16848

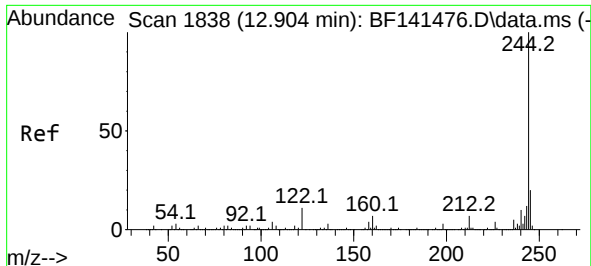
Ion Ratio Lower Upper

184 100

185 13.3 11.3 16.9

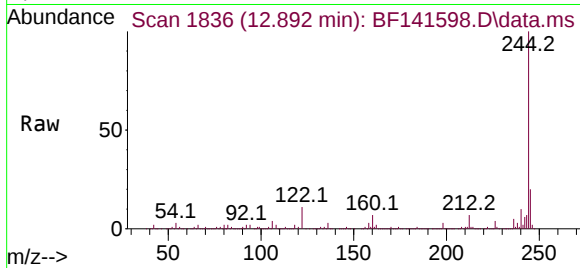
183 6.0 9.3 13.9#



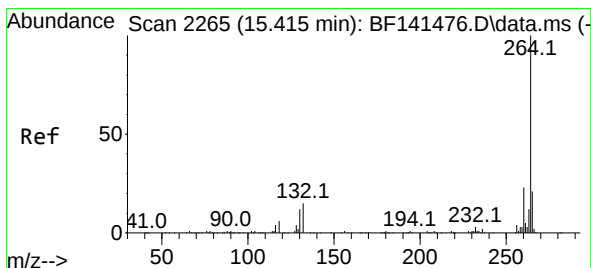
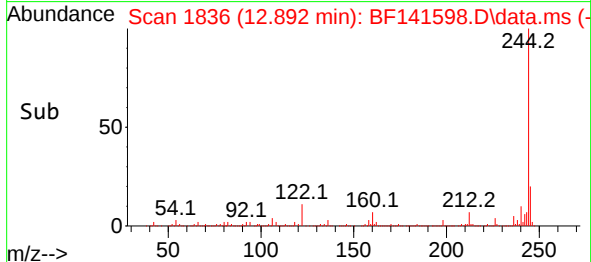
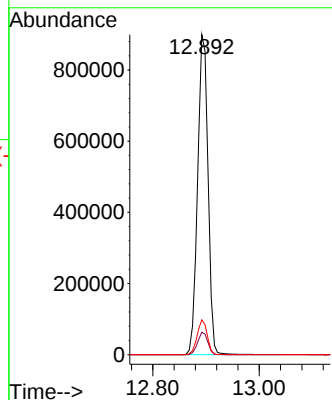


#79
 Terphenyl-d14
 Concen: 115.528 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141598.D
 Acq: 12 Feb 2025 18:46

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP



Tgt Ion:244 Resp: 1217159
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.9 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 2262
 Delta R.T. -0.017 min
 Lab File: BF141598.D
 Acq: 12 Feb 2025 18:46

Tgt Ion:264 Resp: 151277
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.6 28.0
 265 20.3 17.0 25.4

