

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141594.D
 Acq On : 12 Feb 2025 17:01
 Operator : RC/JU
 Sample : Q1344-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Quant Time: Feb 12 17:27:06 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)

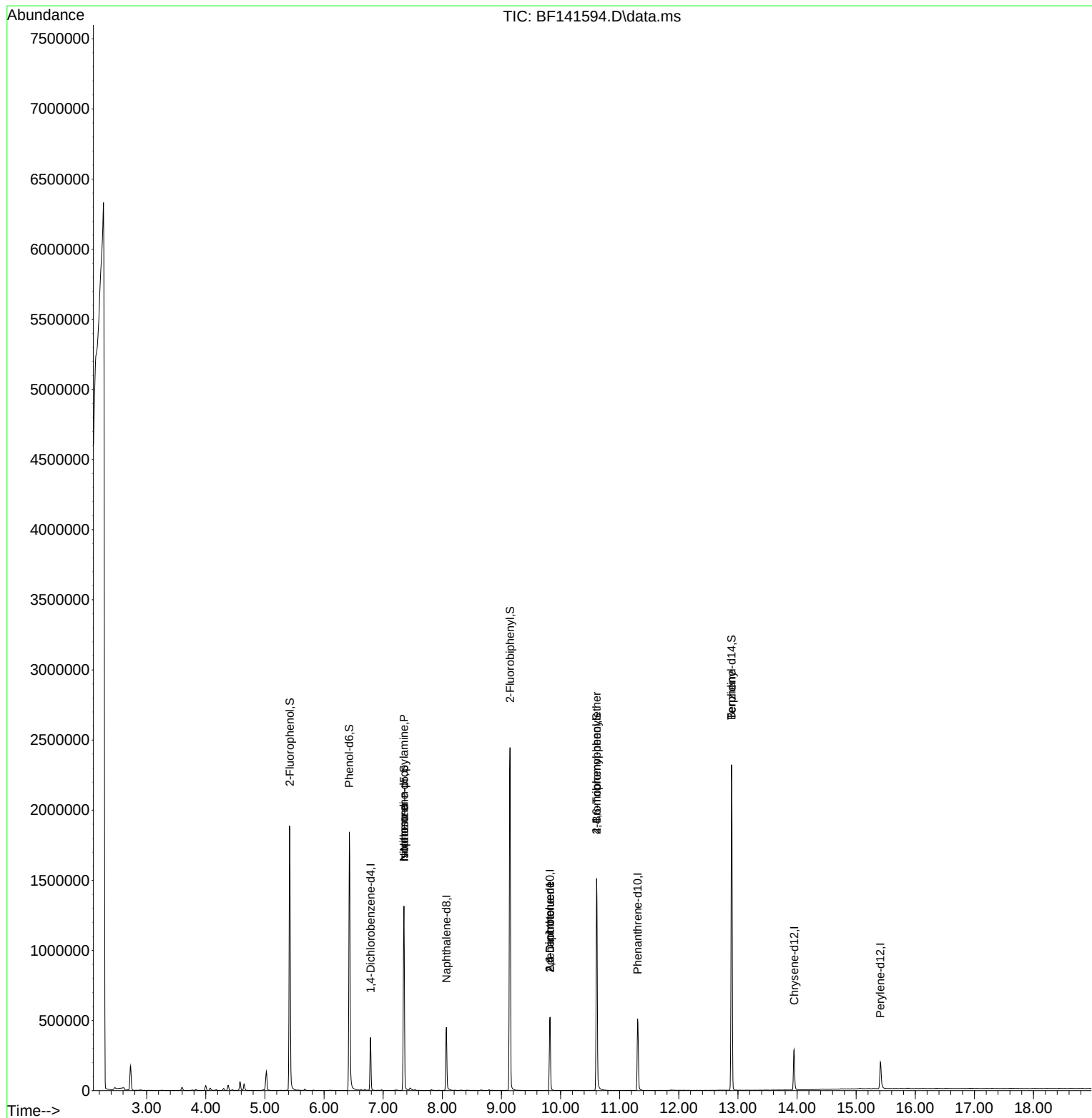
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	75880	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	306927	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	165696	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	288051	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	160017	20.000	ng	-0.01
86) Perylene-d12	15.410	264	123338	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	728368	150.487	ng	0.01
7) Phenol-d6	6.428	99	877171	143.388	ng	-0.01
23) Nitrobenzene-d5	7.351	82	600788	102.096	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	256901	154.342	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1114473	103.624	ng	0.00
79) Terphenyl-d14	12.892	244	1188034	125.337	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	80117	21.895	ng	# 74
25) Isophorone	7.351	82	587227	62.586	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	21681	8.817	ng	# 21
57) 2,4-Dinitrotoluene	9.822	165	21681	6.623	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	17148	5.327	ng	# 1
77) Benzidine	12.892	184	16065	4.552	ng	# 92

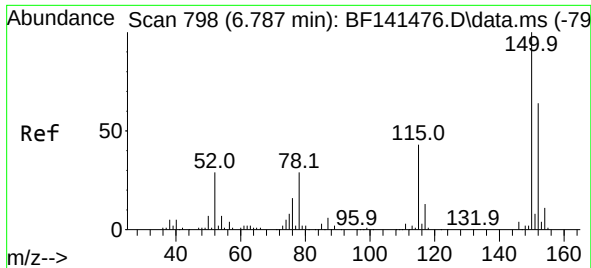
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
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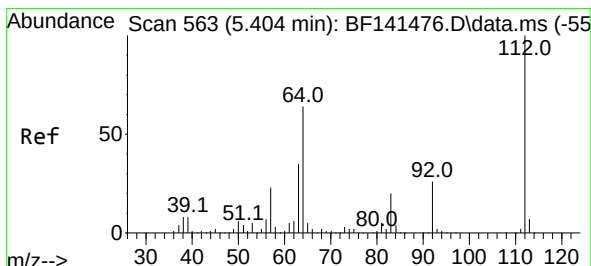
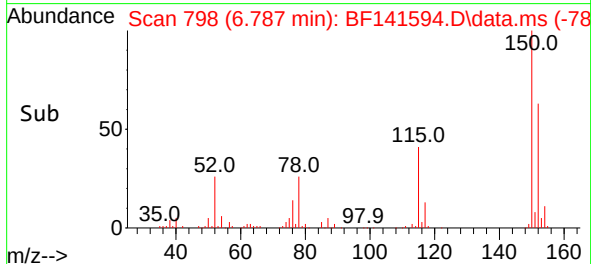
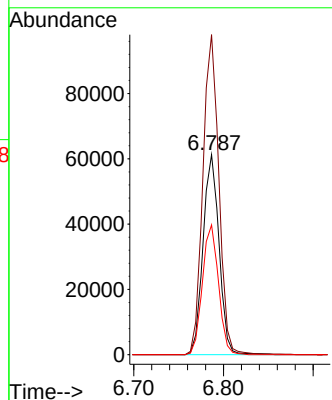
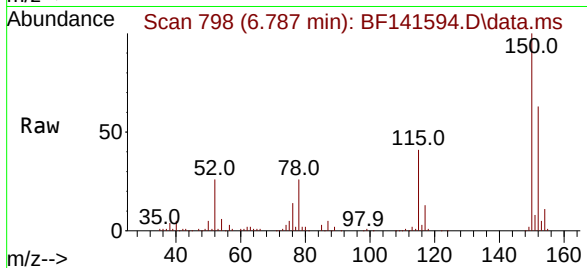




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141594.D
 Acq: 12 Feb 2025 17:01

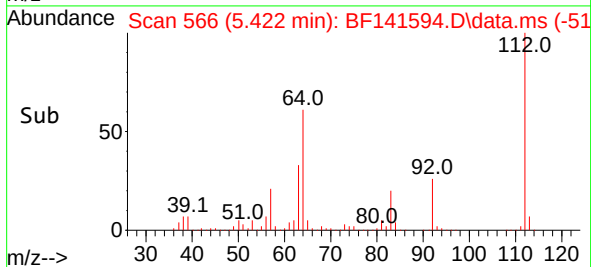
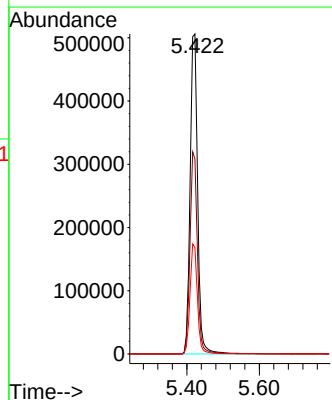
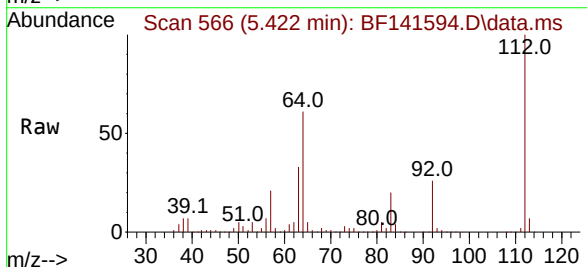
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

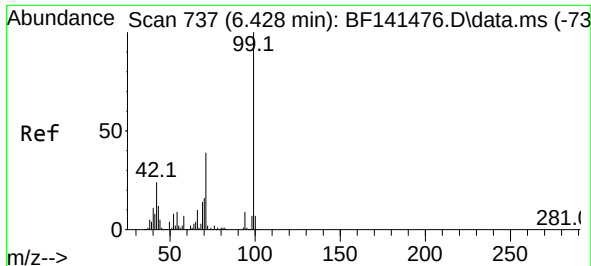
Tgt Ion:152 Resp: 75880
 Ion Ratio Lower Upper
 152 100
 150 160.0 125.0 187.4
 115 64.8 53.6 80.4



#5
 2-Fluorophenol
 Concen: 150.487 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141594.D
 Acq: 12 Feb 2025 17:01

Tgt Ion:112 Resp: 728368
 Ion Ratio Lower Upper
 112 100
 64 61.0 51.1 76.7
 63 33.2 28.4 42.6

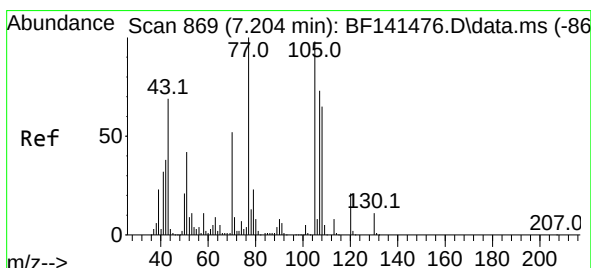
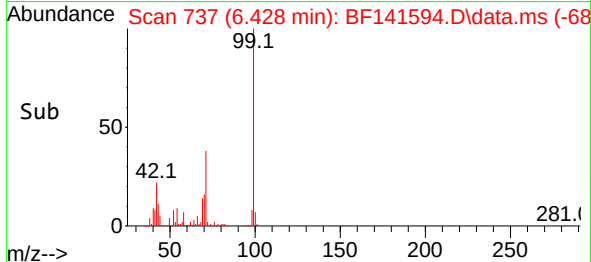
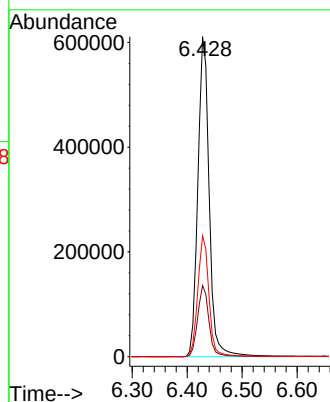
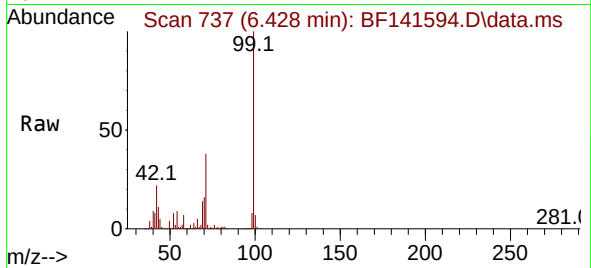




#7
Phenol-d6
Concen: 143.388 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

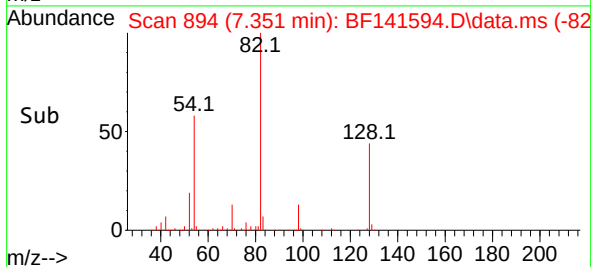
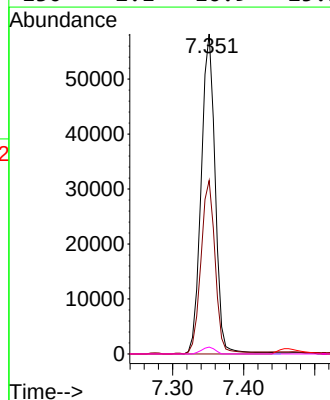
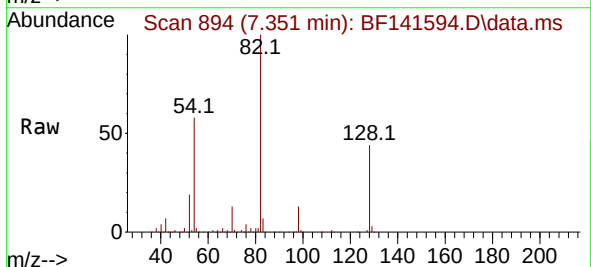
Instrument :
BNA_F
ClientSampleId :
SOIL-1

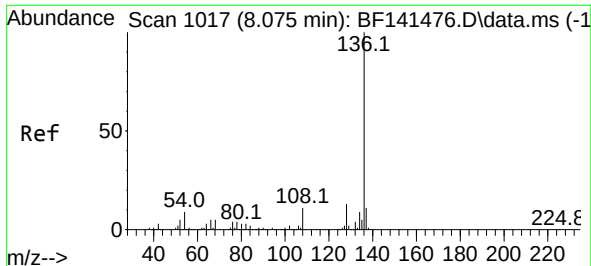
Tgt Ion: 99 Resp: 877171
Ion Ratio Lower Upper
99 100
42 22.3 19.1 28.7
71 37.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 21.895 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

Tgt Ion: 70 Resp: 80117
Ion Ratio Lower Upper
70 100
42 54.2 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

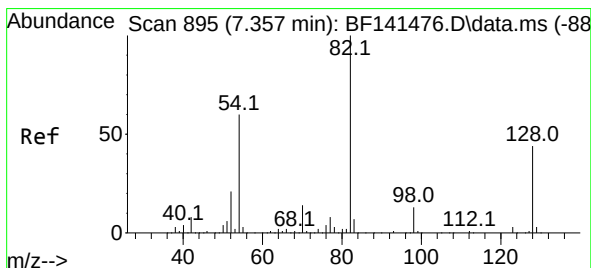
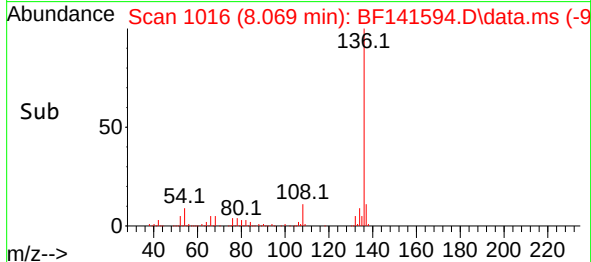
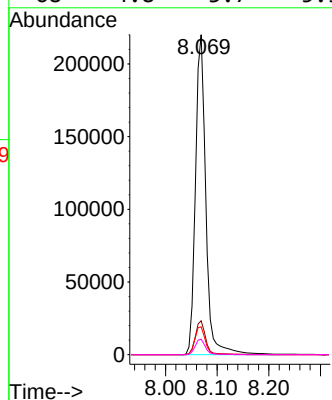
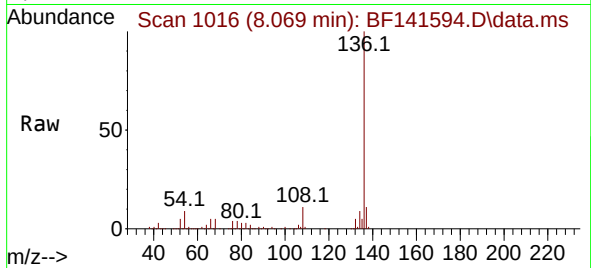




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

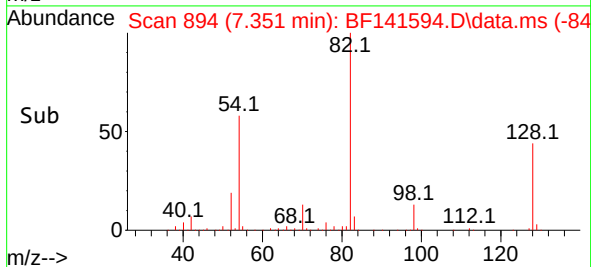
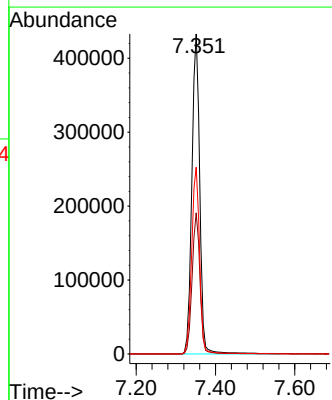
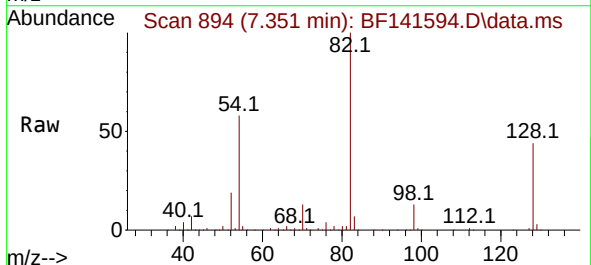
Instrument :
BNA_F
ClientSampleId :
SOIL-1

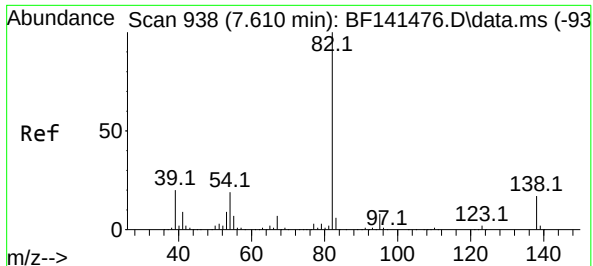
Tgt Ion:136 Resp: 306927
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.7 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 102.096 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

Tgt Ion: 82 Resp: 600788
Ion Ratio Lower Upper
82 100
128 44.1 34.8 52.2
54 58.4 48.2 72.4

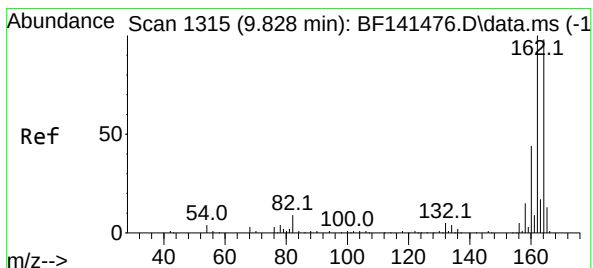
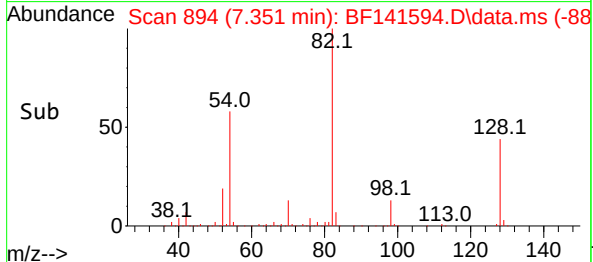
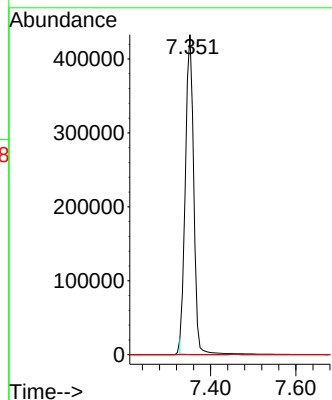
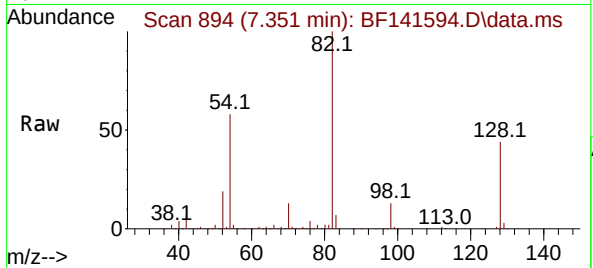




#25
Isophorone
Concen: 62.586 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

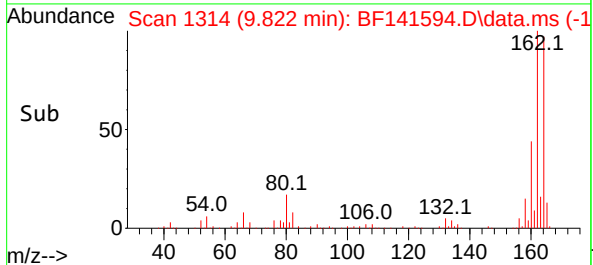
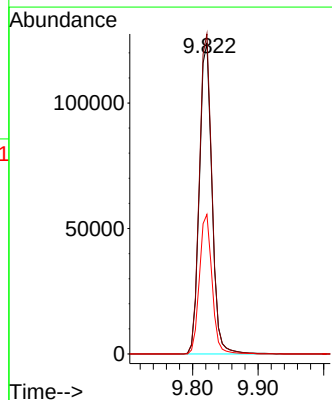
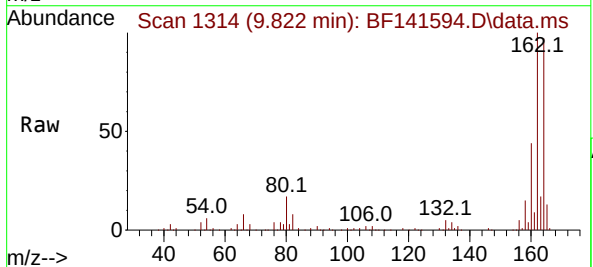
Instrument :
BNA_F
ClientSampleId :
SOIL-1

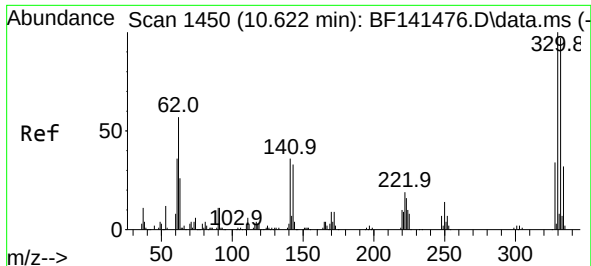
Tgt Ion: 82 Resp: 587227
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

Tgt Ion:164 Resp: 165696
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 44.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 154.342 ng

RT: 10.610 min Scan# 1199

Delta R.T. -0.017 min

Lab File: BF141594.D

Acq: 12 Feb 2025 17:01

Instrument :

BNA_F

ClientSampleId :

SOIL-1

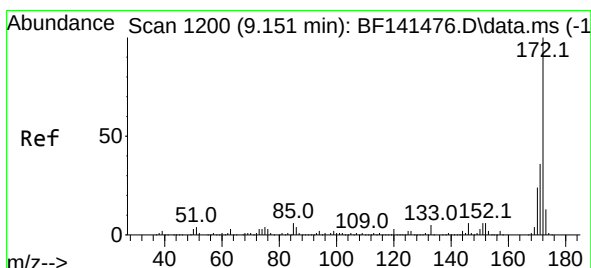
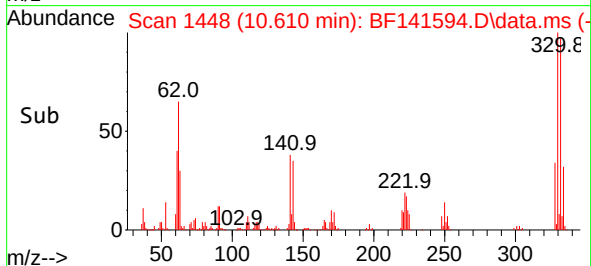
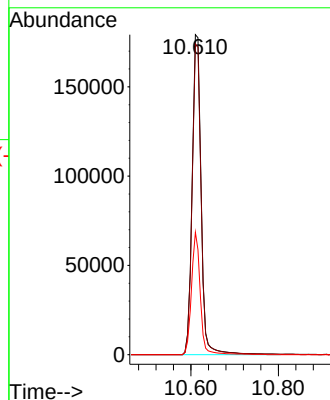
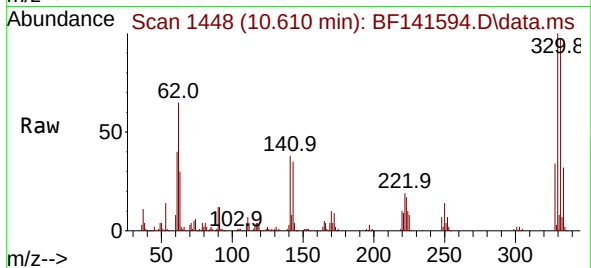
Tgt Ion:330 Resp: 256901

Ion Ratio Lower Upper

330 100

332 97.0 78.5 117.7

141 37.3 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 103.624 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141594.D

Acq: 12 Feb 2025 17:01

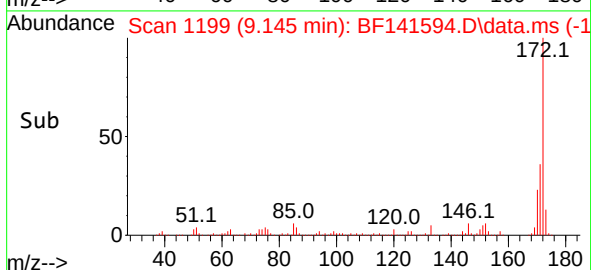
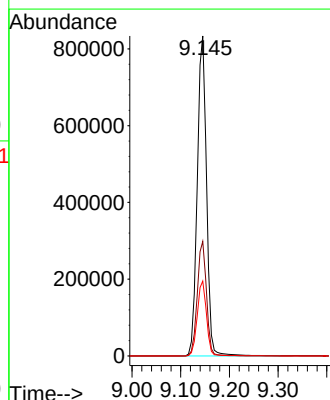
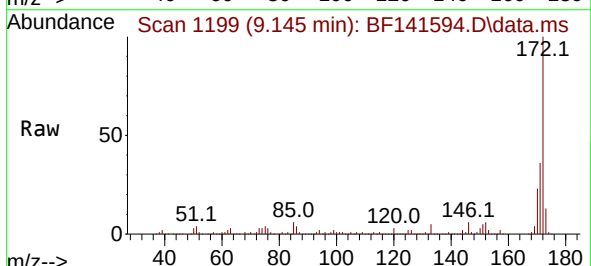
Tgt Ion:172 Resp: 1114473

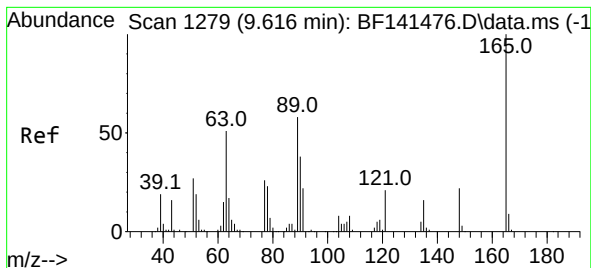
Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.4 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.817 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF141594.D

Acq: 12 Feb 2025 17:01

Instrument :

BNA_F

ClientSampleId :

SOIL-1

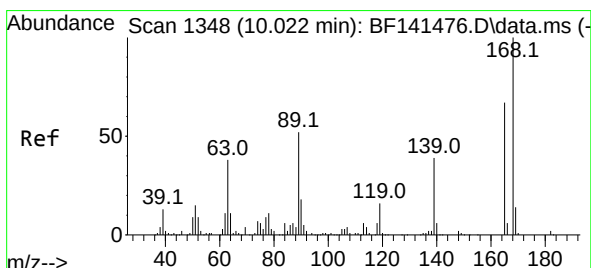
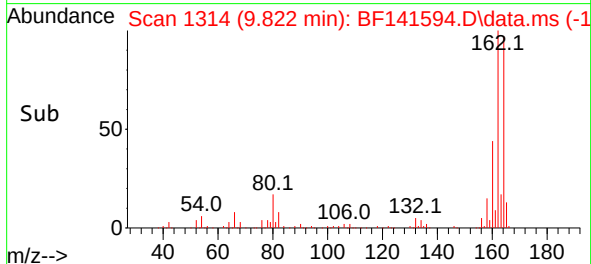
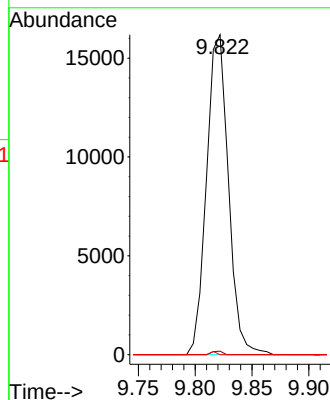
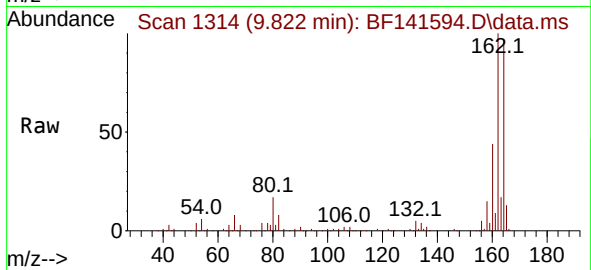
Tgt Ion:165 Resp: 21681

Ion Ratio Lower Upper

165 100

63 1.1 49.4 74.0#

89 0.0 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.623 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF141594.D

Acq: 12 Feb 2025 17:01

Tgt Ion:165 Resp: 21681

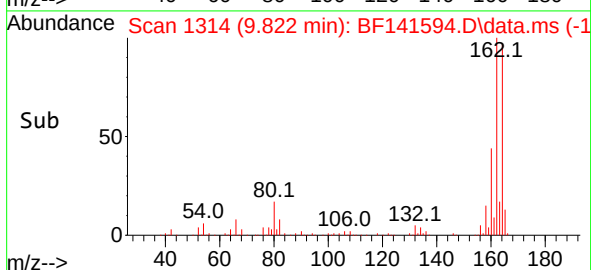
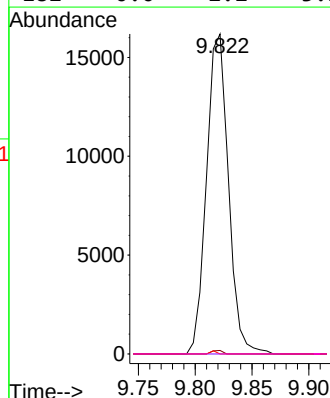
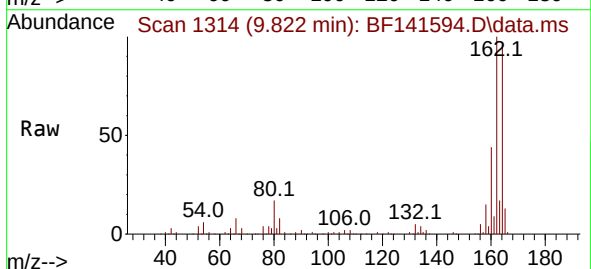
Ion Ratio Lower Upper

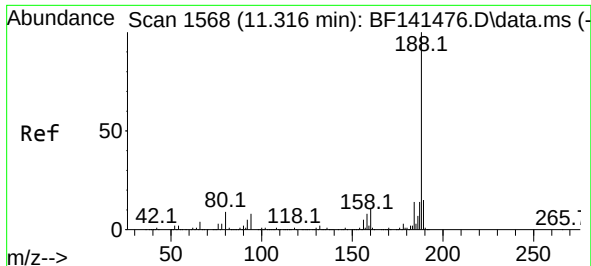
165 100

63 1.1 46.4 69.6#

89 0.0 61.8 92.6#

182 0.0 2.2 3.2#

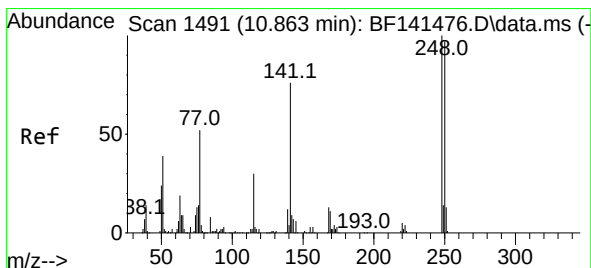
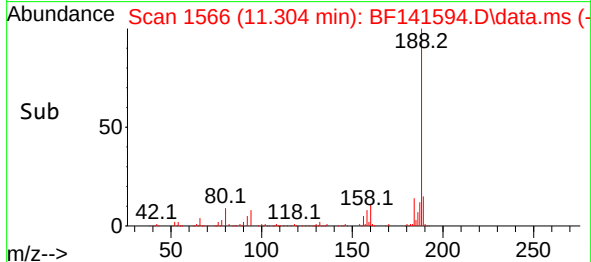
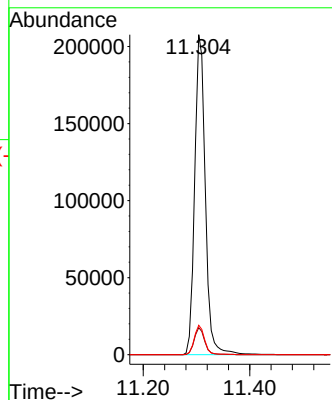
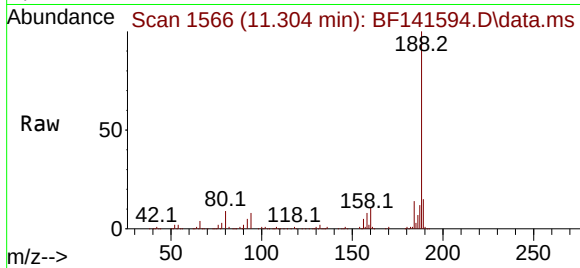




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

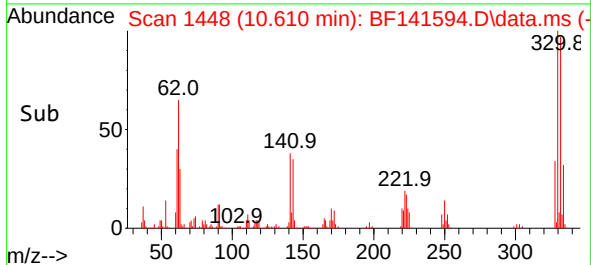
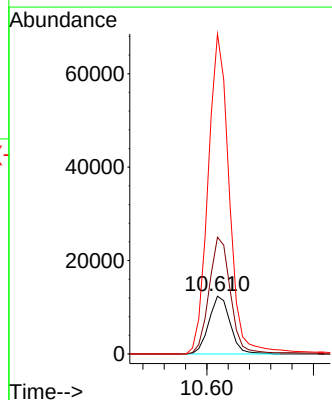
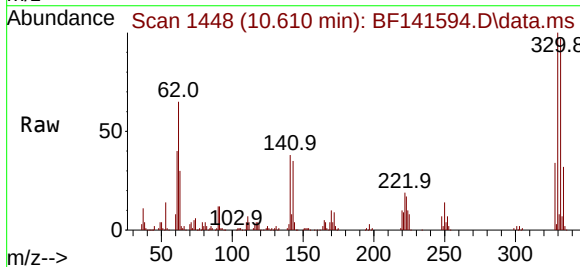
Instrument :
BNA_F
ClientSampleId :
SOIL-1

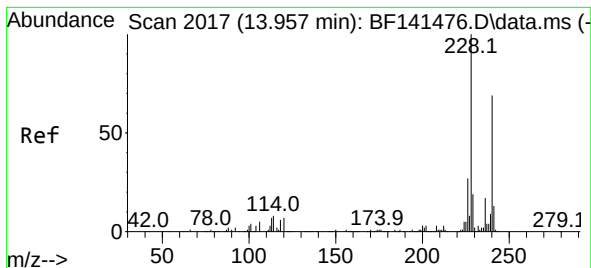
Tgt Ion:188 Resp: 288051
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.2 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 5.327 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF141594.D
Acq: 12 Feb 2025 17:01

Tgt Ion:248 Resp: 17148
Ion Ratio Lower Upper
248 100
250 202.4 77.8 116.6#
141 554.2 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: BF141594.D

Acq: 12 Feb 2025 17:01

Instrument :

BNA_F

ClientSampleId :

SOIL-1

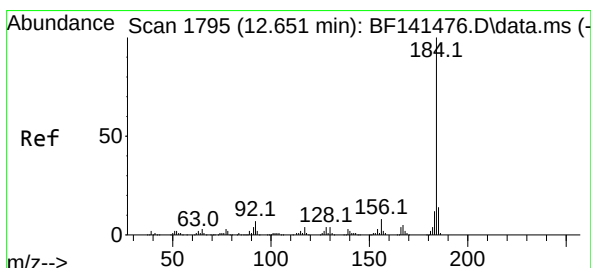
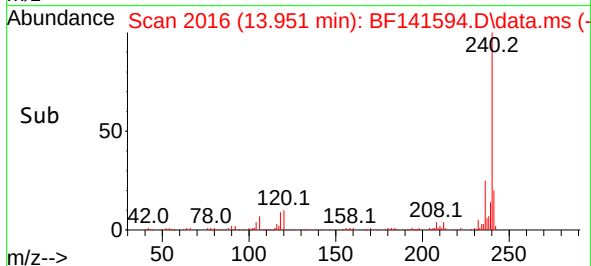
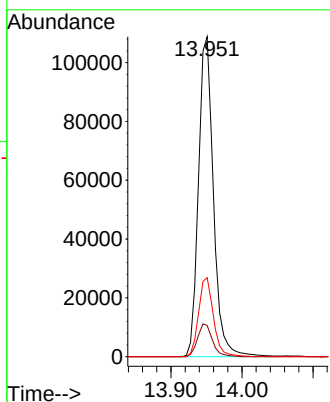
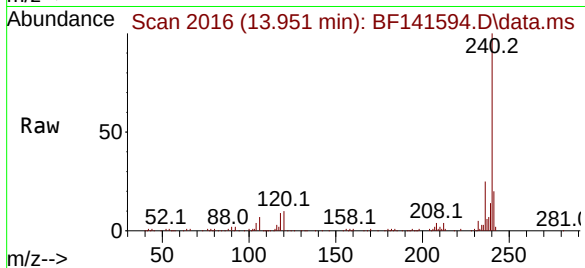
Tgt Ion:240 Resp: 160017

Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

236 24.7 19.8 29.8



#77

Benzdine

Concen: 4.552 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.236 min

Lab File: BF141594.D

Acq: 12 Feb 2025 17:01

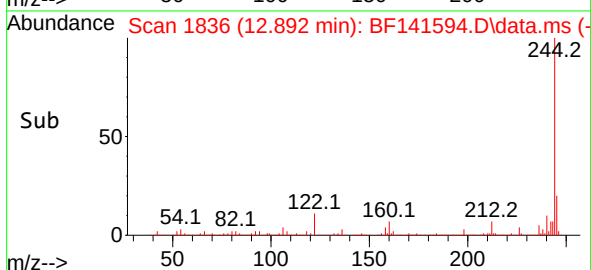
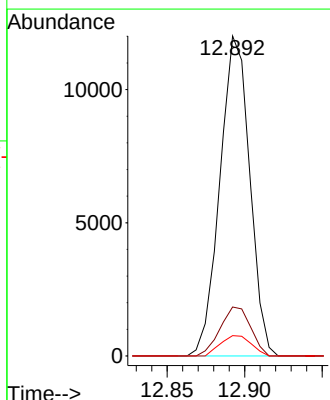
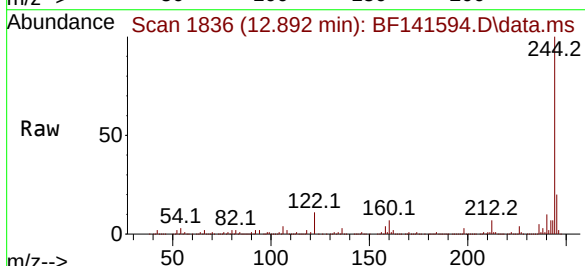
Tgt Ion:184 Resp: 16065

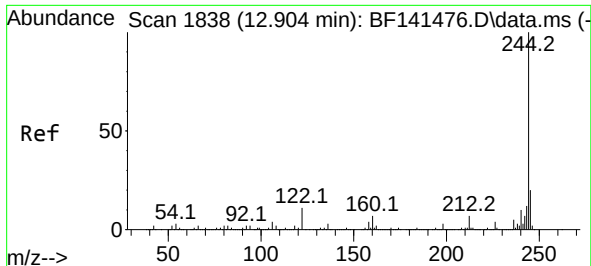
Ion Ratio Lower Upper

184 100

185 15.3 11.3 16.9

183 6.4 9.3 13.9#

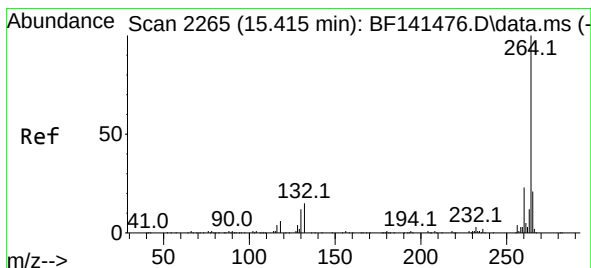
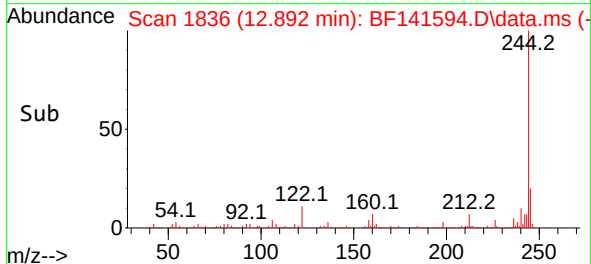
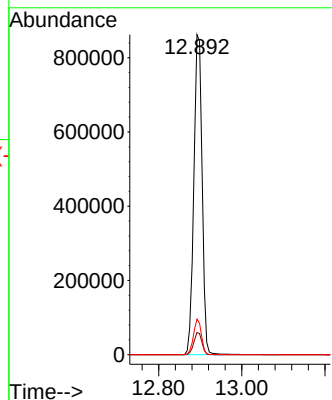
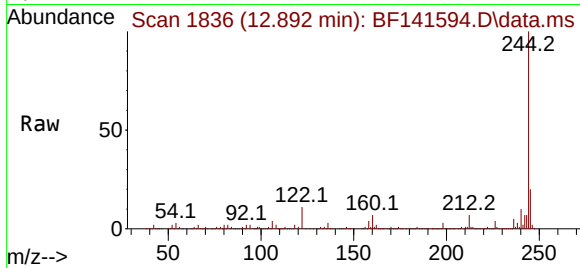




#79
 Terphenyl-d14
 Concen: 125.337 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141594.D
 Acq: 12 Feb 2025 17:01

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Tgt Ion:244 Resp: 1188034
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.1 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141594.D
 Acq: 12 Feb 2025 17:01

Tgt Ion:264 Resp: 123338
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 28.0
 265 21.3 17.0 25.4

