

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140934.D
 Acq On : 19 Dec 2024 18:41
 Operator : RC/JU
 Sample : P5312-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-VNJ-222

Quant Time: Dec 20 00:09:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

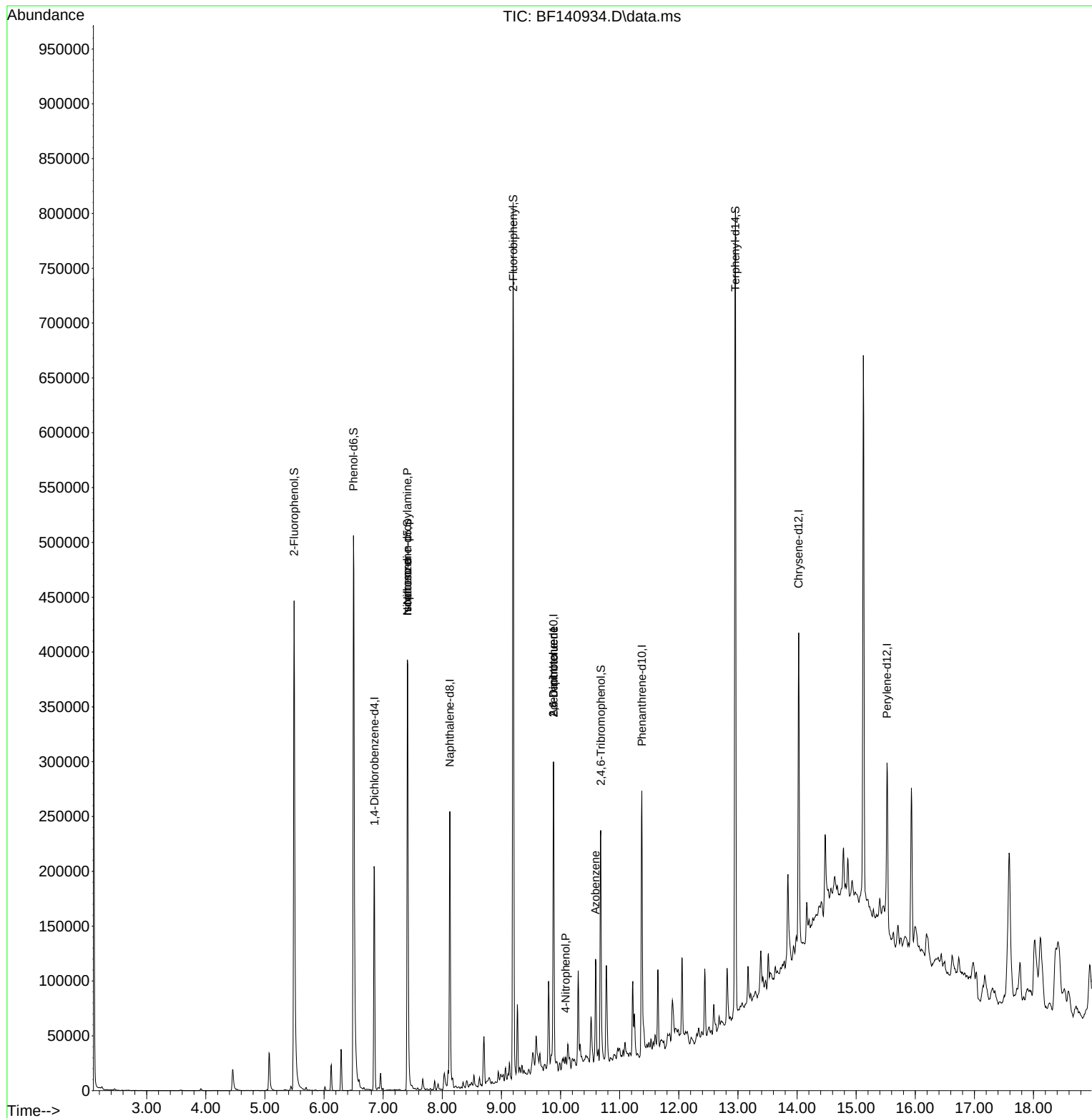
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	47206	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	164775	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	82178	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	124733	20.000	ng	0.00
76) Chrysene-d12	14.027	240	132956	20.000	ng	0.00
86) Perylene-d12	15.521	264	101662	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	212141	73.979	ng	0.00
7) Phenol-d6	6.498	99	298933	78.705	ng	0.00
23) Nitrobenzene-d5	7.410	82	194647	59.101	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	41750	42.956	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	360273	60.274	ng	0.00
79) Terphenyl-d14	12.957	244	364717	43.256	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	26158	11.481	ng	# 78
25) Isophorone	7.410	82	192594	34.901	ng	# 65
51) 2,6-Dinitrotoluene	9.881	165	11322	8.548	ng	# 22
56) 4-Nitrophenol	10.086	139	476	5.078	ng	# 40
57) 2,4-Dinitrotoluene	9.881	165	11433	6.561	ng	# 16
63) Azobenzene	10.592	77	24427	4.325	ng	# 1

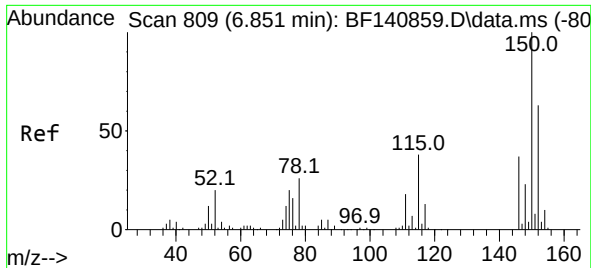
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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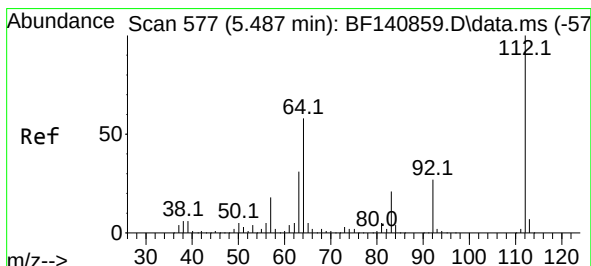
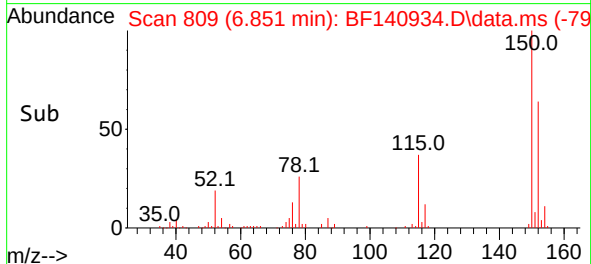
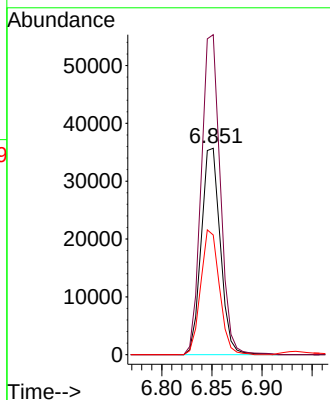
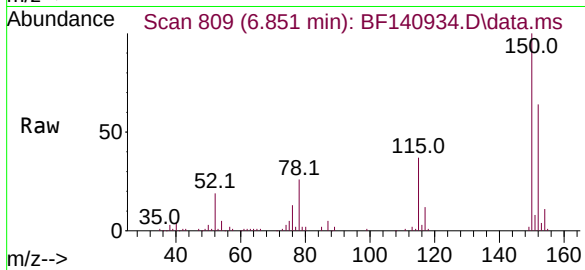




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

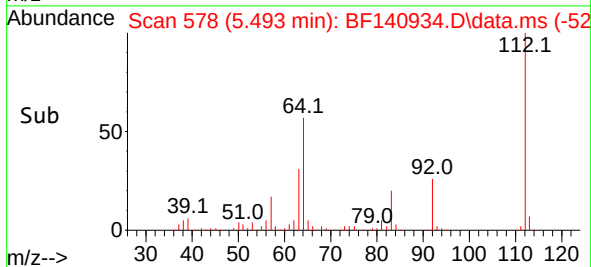
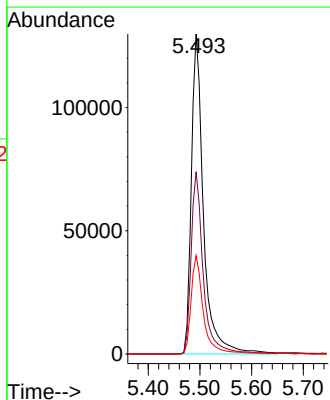
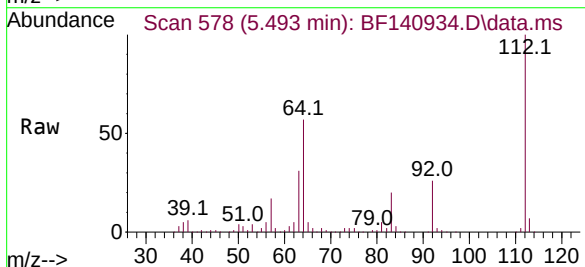
Instrument :
BNA_F
ClientSampleId :
SOIL-VNJ-222

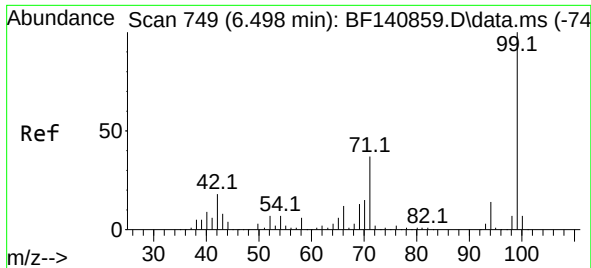
Tgt Ion:152 Resp: 47206
Ion Ratio Lower Upper
152 100
150 155.1 127.9 191.9
115 58.0 48.0 72.0



#5
2-Fluorophenol
Concen: 73.979 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

Tgt Ion:112 Resp: 212141
Ion Ratio Lower Upper
112 100
64 57.0 46.1 69.1
63 30.8 24.9 37.3

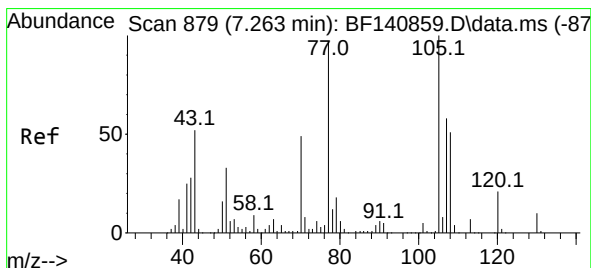
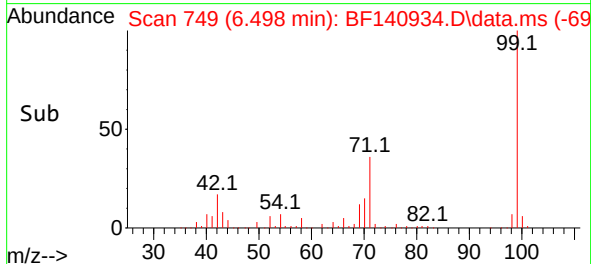
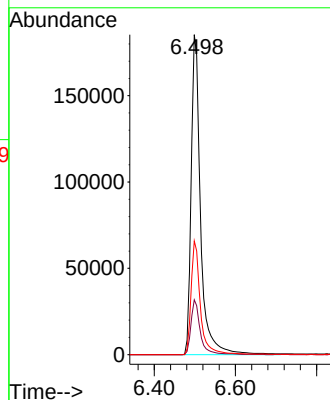
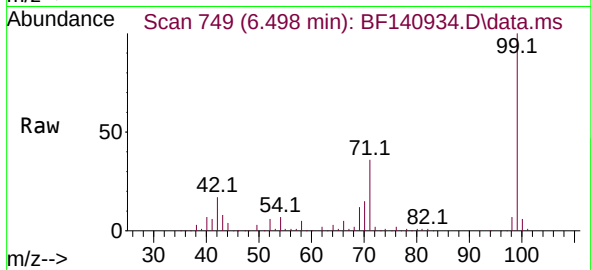




#7
Phenol-d6
Concen: 78.705 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

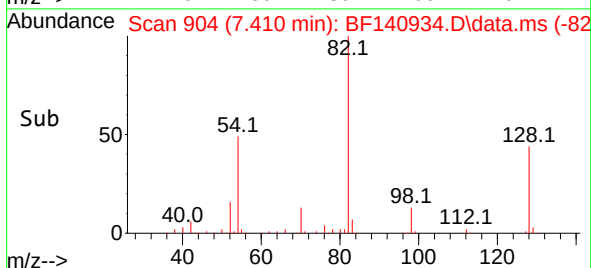
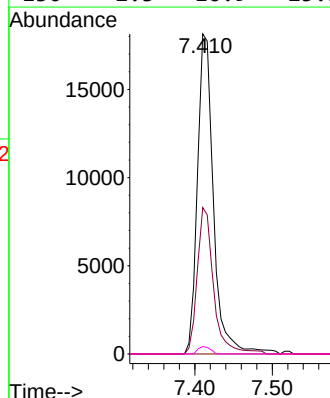
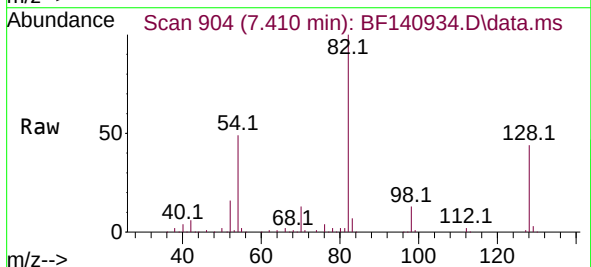
Instrument :
BNA_F
ClientSampleId :
SOIL-VNJ-222

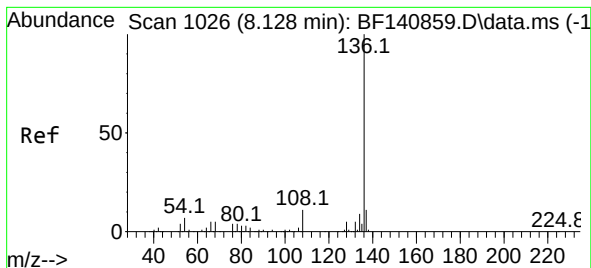
Tgt Ion: 99 Resp: 298933
Ion Ratio Lower Upper
99 100
42 17.2 14.3 21.5
71 35.6 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.481 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

Tgt Ion: 70 Resp: 26158
Ion Ratio Lower Upper
70 100
42 45.8 45.3 67.9
101 0.0 8.0 12.0#
130 2.3 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140934.D

Acq: 19 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

SOIL-VNJ-222

Tgt Ion:136 Resp: 164775

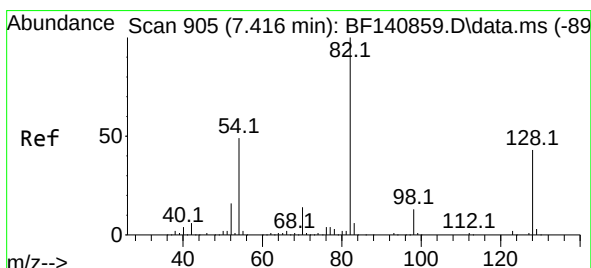
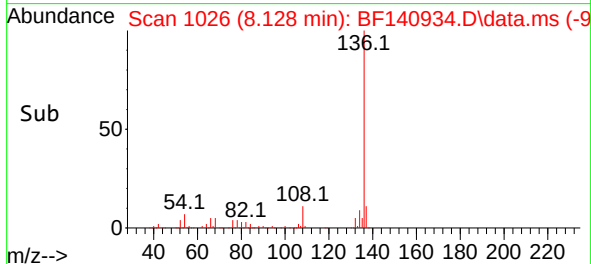
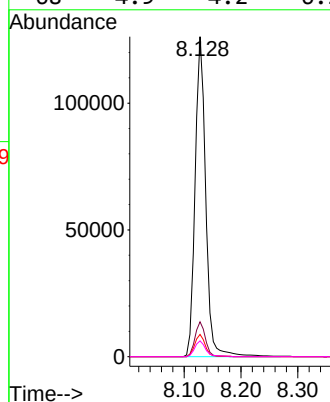
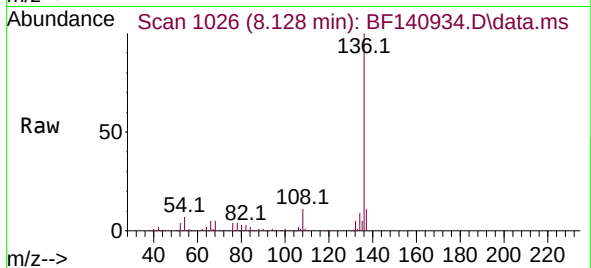
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.0 5.6 8.4

68 4.9 4.2 6.2



#23

Nitrobenzene-d5

Concen: 59.101 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF140934.D

Acq: 19 Dec 2024 18:41

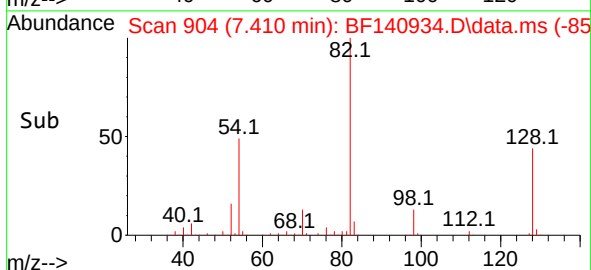
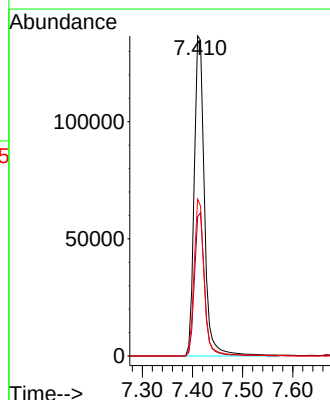
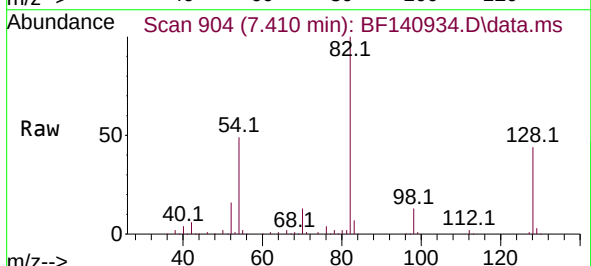
Tgt Ion: 82 Resp: 194647

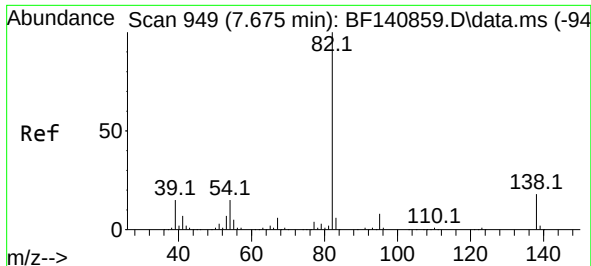
Ion Ratio Lower Upper

82 100

128 43.5 34.4 51.6

54 49.0 38.8 58.2

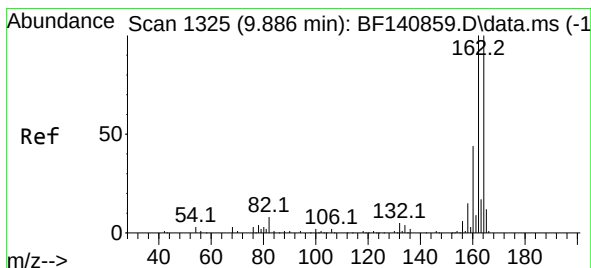
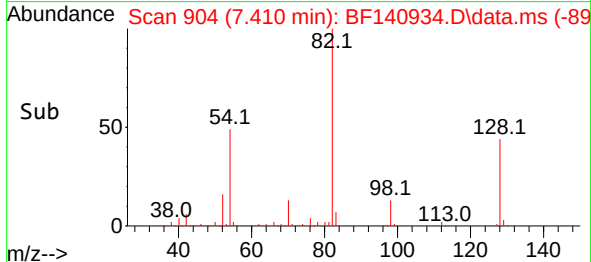
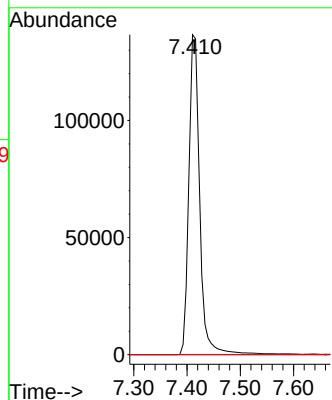
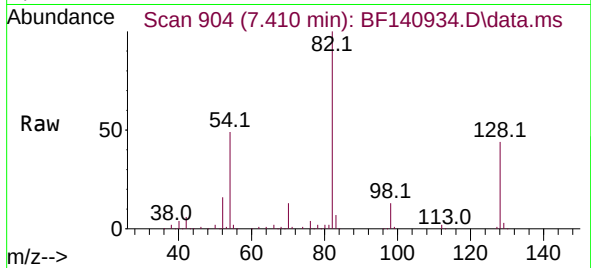




#25
Isophorone
Concen: 34.901 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

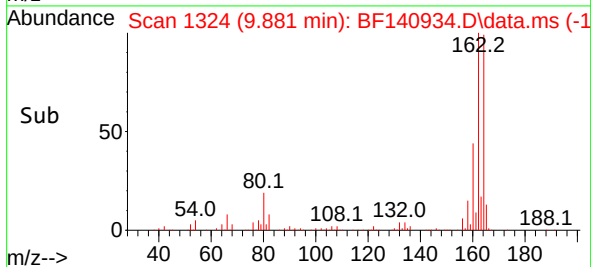
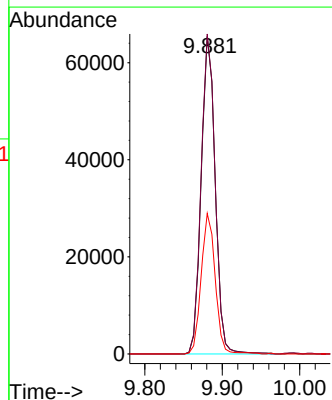
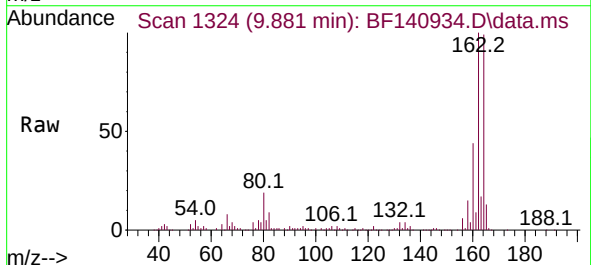
Instrument :
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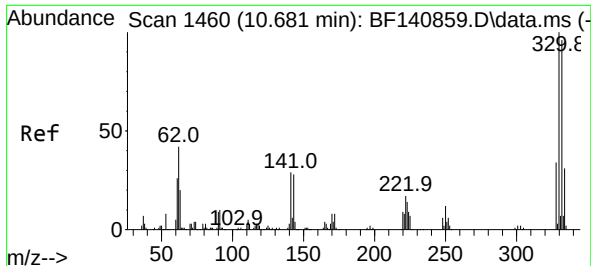
Tgt Ion: 82 Resp: 192594
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

Tgt Ion: 164 Resp: 82178
Ion Ratio Lower Upper
164 100
162 100.7 79.9 119.9
160 44.2 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 42.956 ng

RT: 10.681 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140934.D

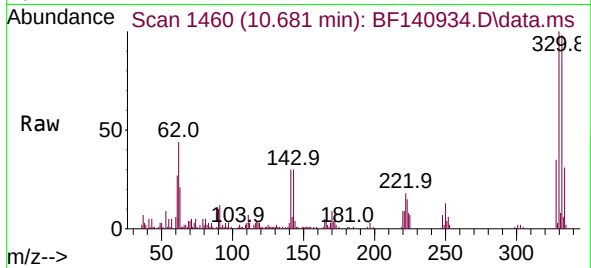
Acq: 19 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

SOIL-VNJ-222



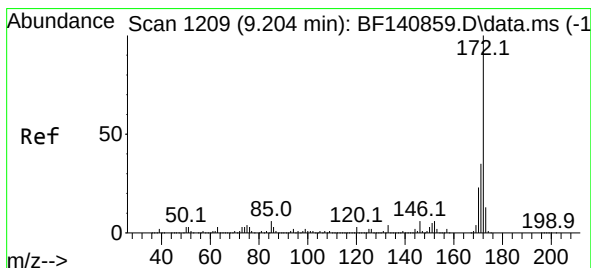
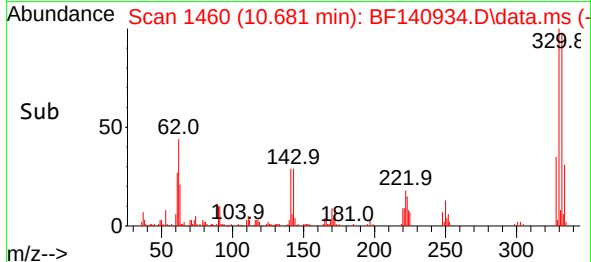
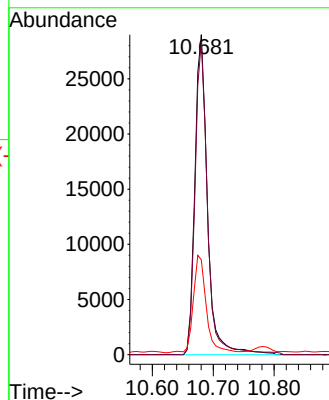
Tgt Ion:330 Resp: 41750

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

141 31.4 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 60.274 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF140934.D

Acq: 19 Dec 2024 18:41

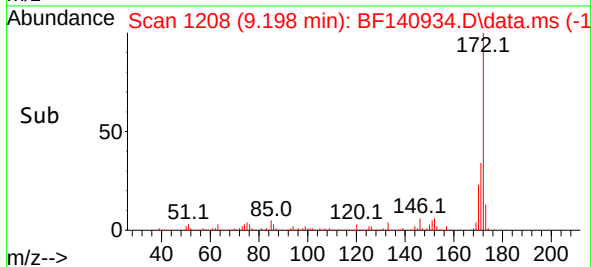
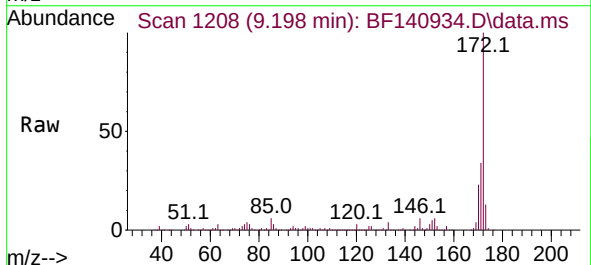
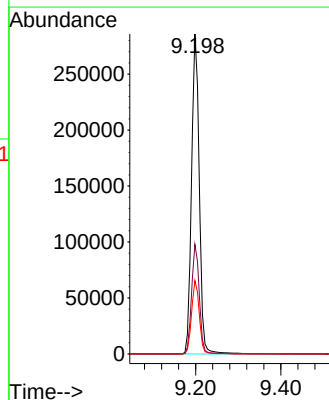
Tgt Ion:172 Resp: 360273

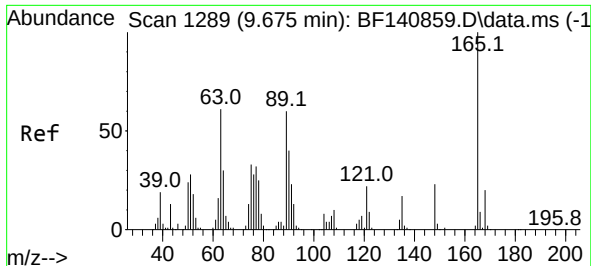
Ion Ratio Lower Upper

172 100

171 34.2 28.4 42.6

170 22.9 18.6 28.0

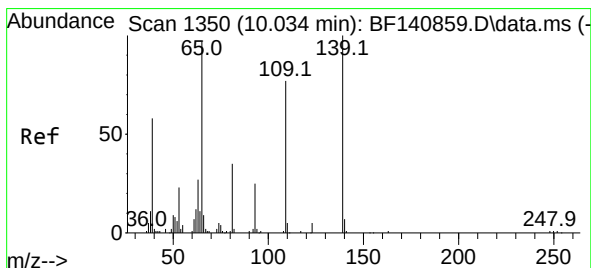
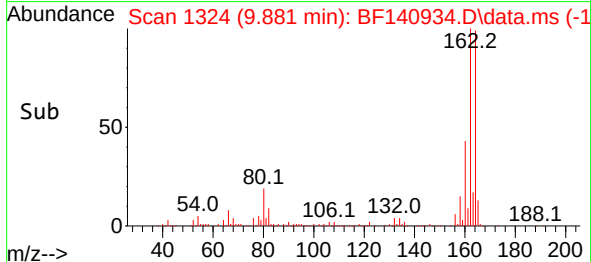
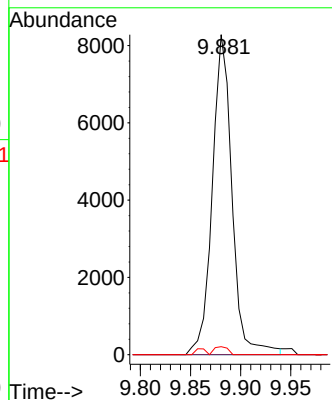
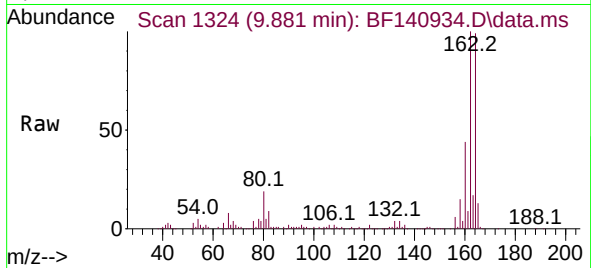




#51
2,6-Dinitrotoluene
Concen: 8.548 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

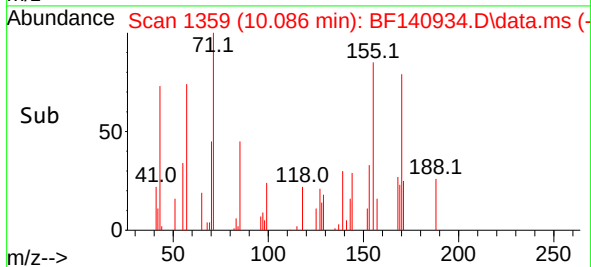
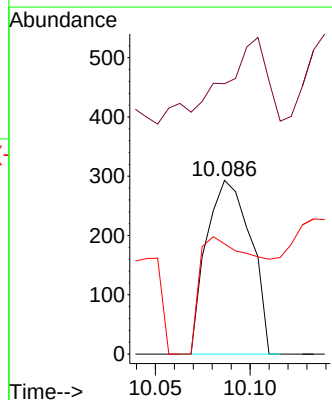
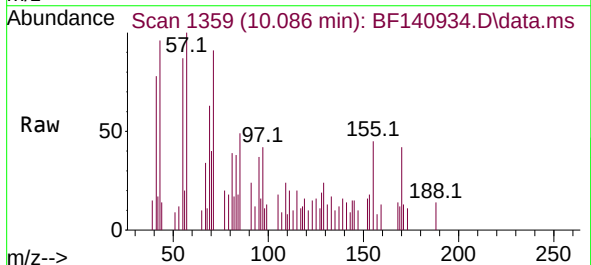
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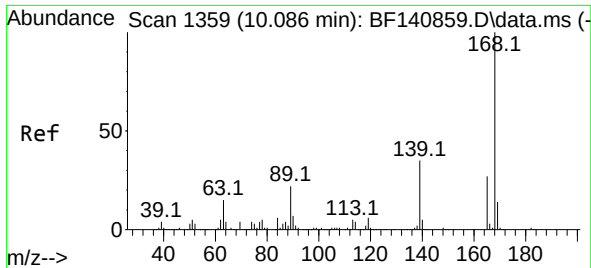
Tgt Ion:165 Resp: 11322
Ion Ratio Lower Upper
165 100
63 0.0 49.7 74.5#
89 2.5 48.2 72.4#



#56
4-Nitrophenol
Concen: 5.078 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.052 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

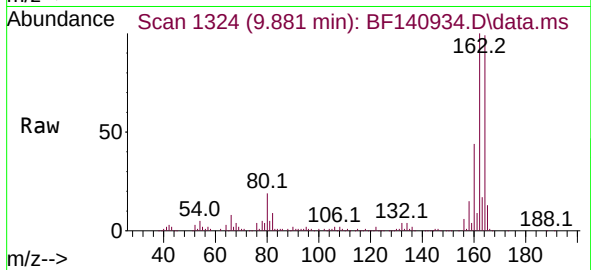
Tgt Ion:139 Resp: 476
Ion Ratio Lower Upper
139 100
109 155.6 56.7 96.7#
65 63.5 78.1 118.1#



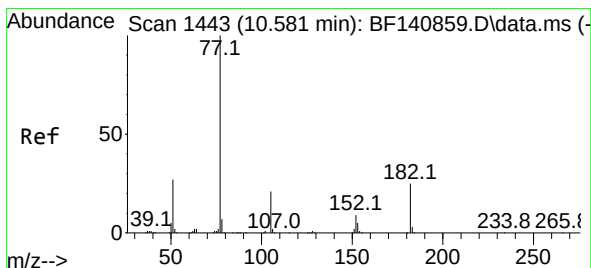
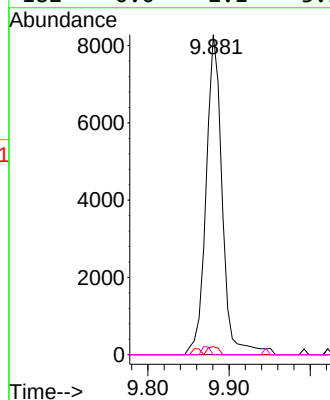
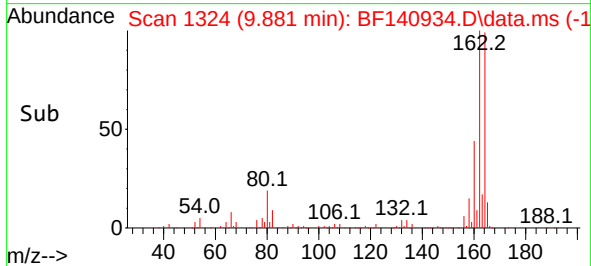


#57
2,4-Dinitrotoluene
Concen: 6.561 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41

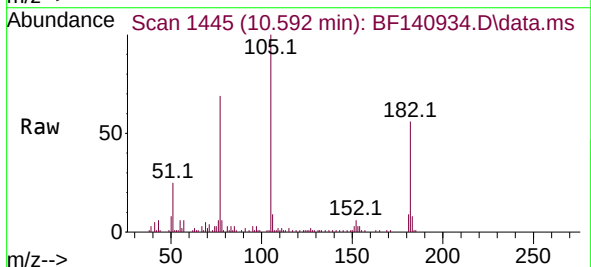
Instrument :
BNA_F
ClientSampleId :
SOIL-VNJ-222



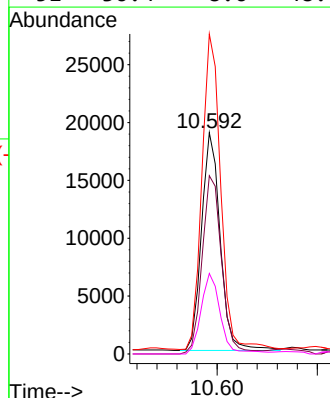
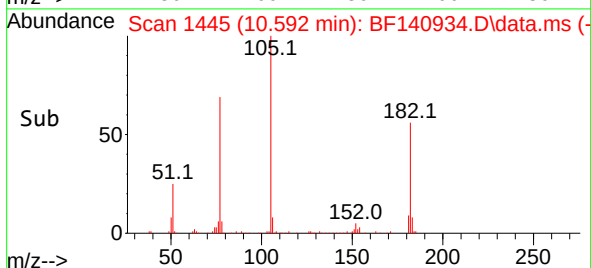
Tgt Ion:165 Resp: 11433
Ion Ratio Lower Upper
165 100
63 0.0 49.3 73.9#
89 2.5 66.2 99.4#
182 0.0 2.1 3.1#

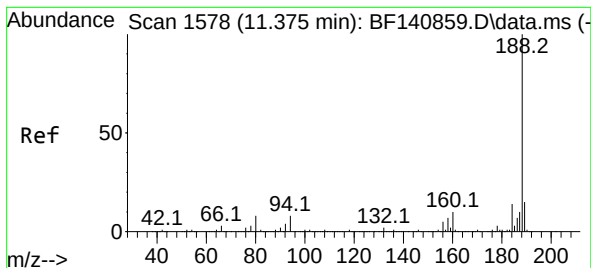


#63
Azobenzene
Concen: 4.325 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.012 min
Lab File: BF140934.D
Acq: 19 Dec 2024 18:41



Tgt Ion: 77 Resp: 24427
Ion Ratio Lower Upper
77 100
182 80.6 4.5 44.5#
105 144.6 0.9 40.9#
51 36.4 8.6 48.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140934.D

Acq: 19 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

SOIL-VNJ-222

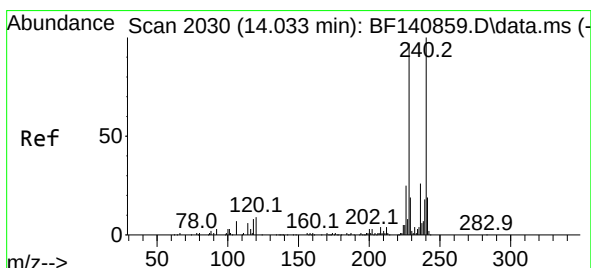
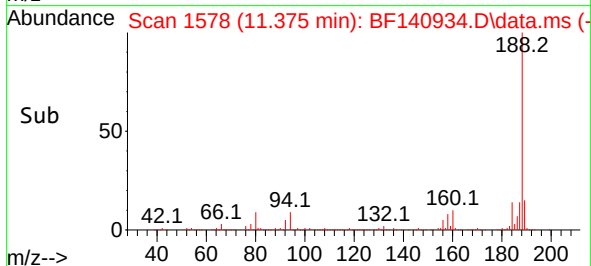
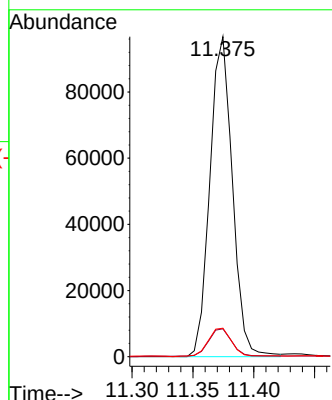
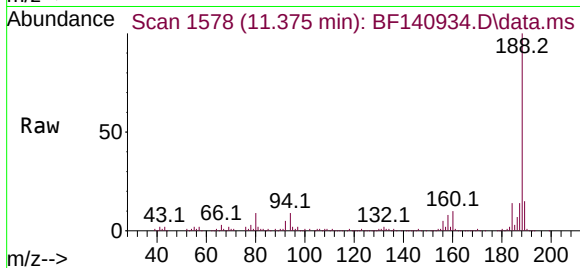
Tgt Ion:188 Resp: 124733

Ion Ratio Lower Upper

188 100

94 8.7 6.4 9.6

80 8.9 6.8 10.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140934.D

Acq: 19 Dec 2024 18:41

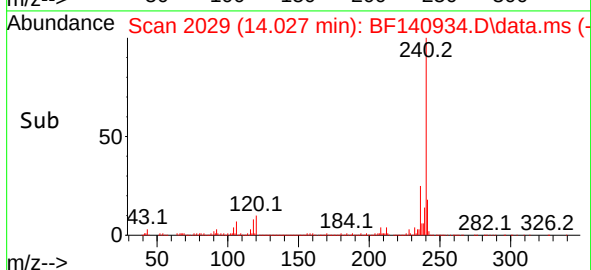
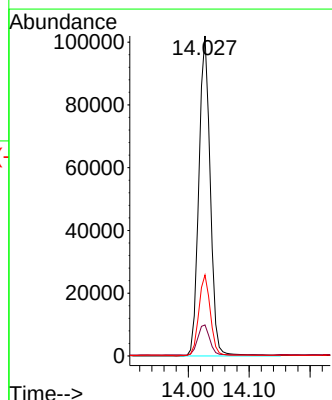
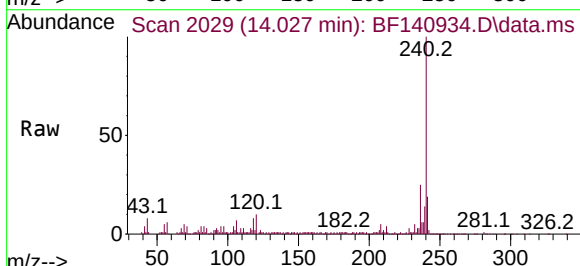
Tgt Ion:240 Resp: 132956

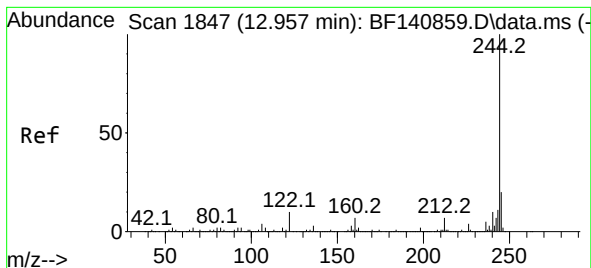
Ion Ratio Lower Upper

240 100

120 9.7 7.6 11.4

236 25.3 20.5 30.7





#79

Terphenyl-d14

Concen: 43.256 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140934.D

Acq: 19 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

SOIL-VNJ-222

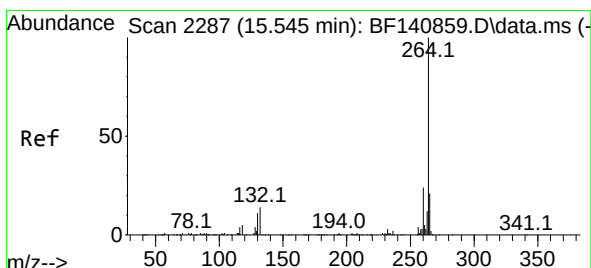
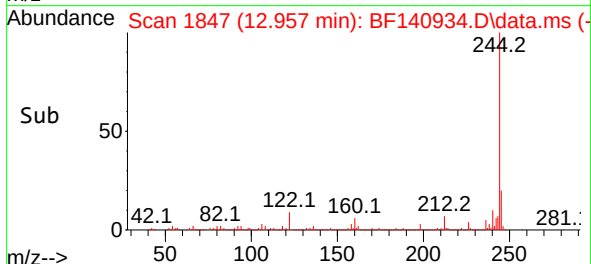
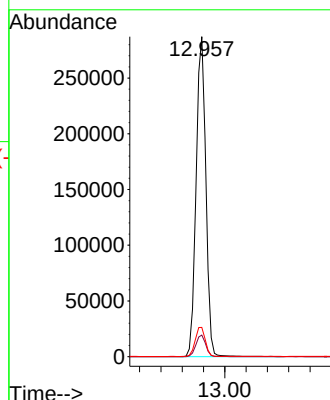
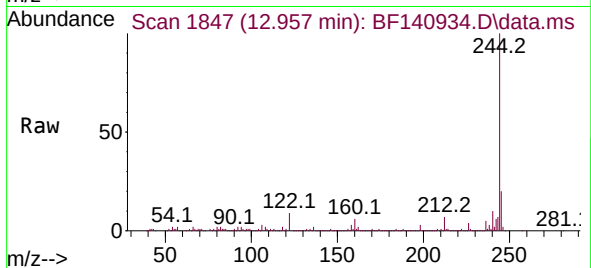
Tgt Ion:244 Resp: 364717

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 9.1 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.024 min

Lab File: BF140934.D

Acq: 19 Dec 2024 18:41

Tgt Ion:264 Resp: 101662

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.2 17.0 25.4

