

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140519.D
 Acq On : 20 Nov 2024 23:58
 Operator : RC/JU
 Sample : P4822-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Nov 21 02:28:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

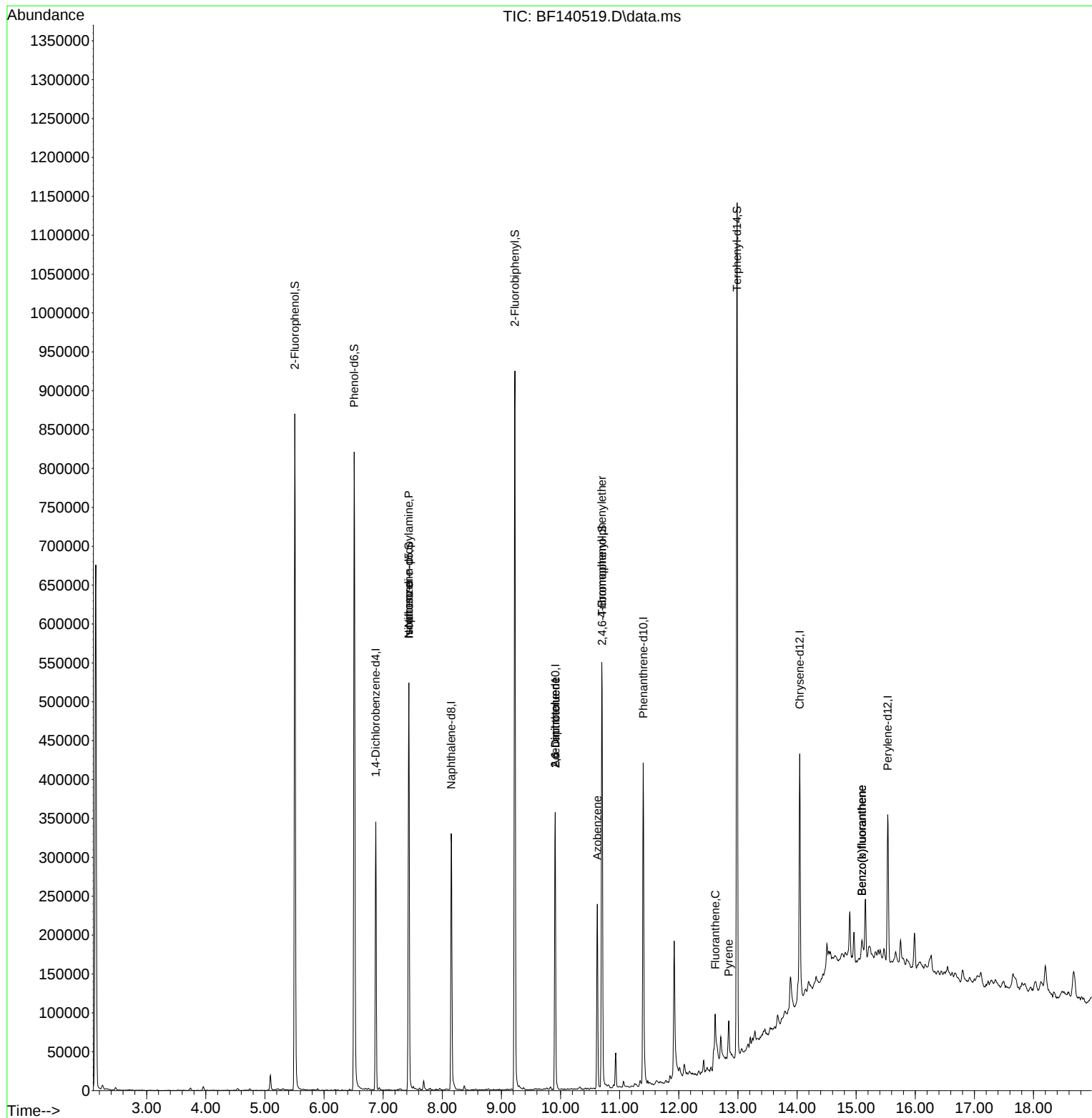
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	70010	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	219983	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	109485	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	221356	20.000	ng	0.00
76) Chrysene-d12	14.045	240	149187	20.000	ng	0.00
86) Perylene-d12	15.533	264	109501	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	321835	78.488	ng	0.01
7) Phenol-d6	6.510	99	383932	69.110	ng	0.00
23) Nitrobenzene-d5	7.434	82	237254	56.193	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	95010	87.266	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	422438	62.026	ng	0.00
79) Terphenyl-d14	12.986	244	535467	62.302	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	31506	9.390	ng	# 78
25) Isophorone	7.434	82	235186	31.430	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	14383	8.841	ng	# 22
57) 2,4-Dinitrotoluene	9.910	165	14383	6.717	ng	# 19
63) Azobenzene	10.622	77	62491	8.667	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	6086	2.750	ng	# 1
75) Fluoranthene	12.616	202	27786	2.382	ng	99
78) Pyrene	12.845	202	27653	2.167	ng	99
88) Benzo(b)fluoranthene	15.098	252	15369	2.146	ng	# 67
89) Benzo(k)fluoranthene	15.098	252	15369	2.626	ng	# 66

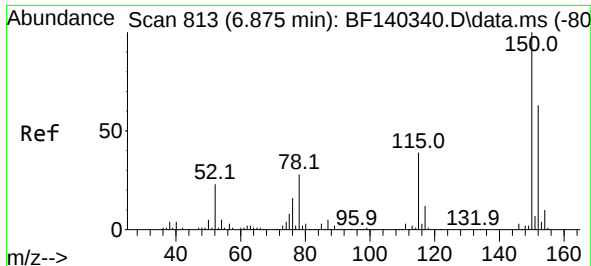
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140519.D
Acq On : 20 Nov 2024 23:58
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Quant Time: Nov 21 02:28:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

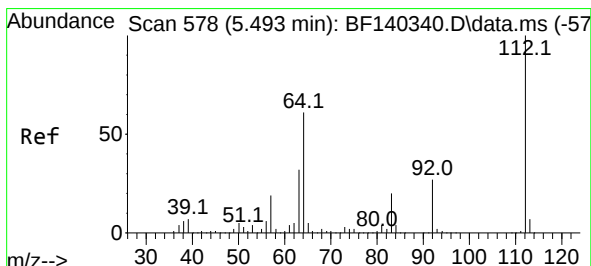
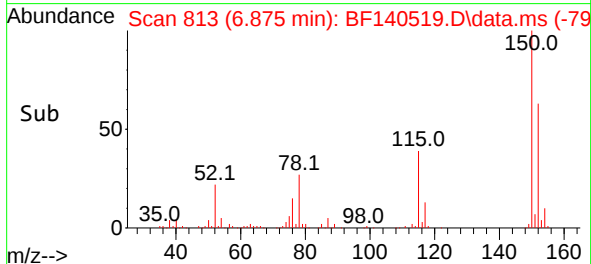
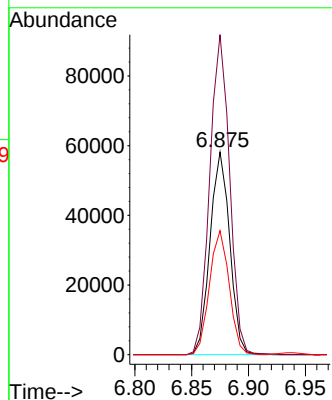
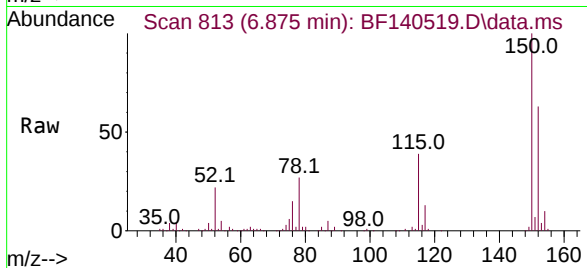




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

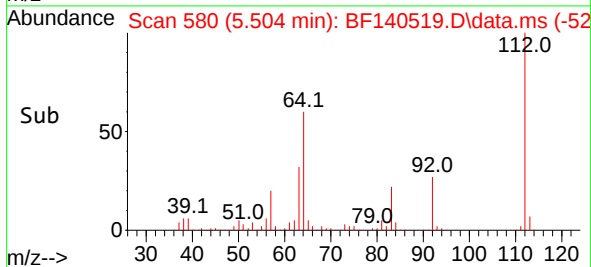
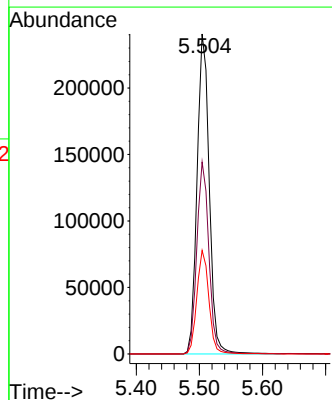
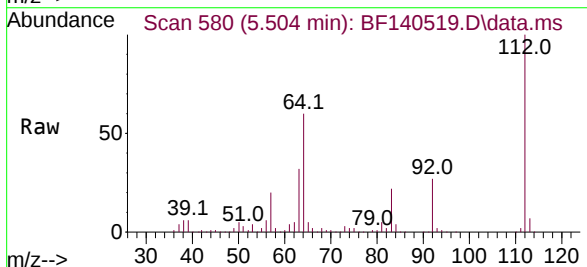
Instrument :
BNA_F
ClientSampleId :
SOIL-2

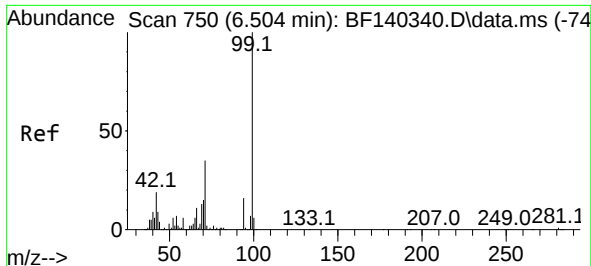
Tgt Ion:152 Resp: 70010
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.0
115 61.2 47.4 71.2



#5
2-Fluorophenol
Concen: 78.488 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

Tgt Ion:112 Resp: 321835
Ion Ratio Lower Upper
112 100
64 60.0 49.2 73.8
63 32.3 25.6 38.4





#7
Phenol-d6
Concen: 69.110 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

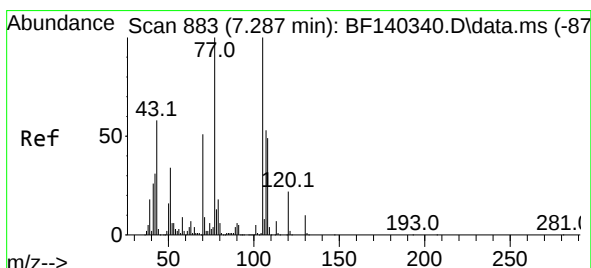
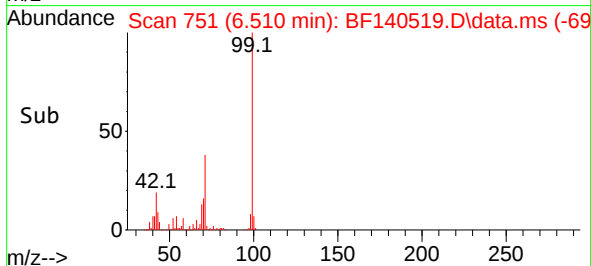
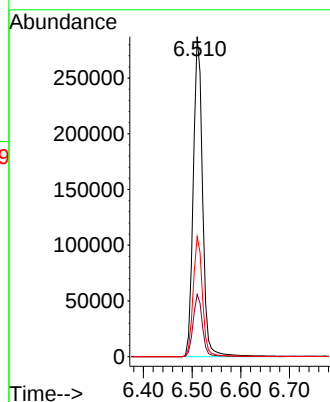
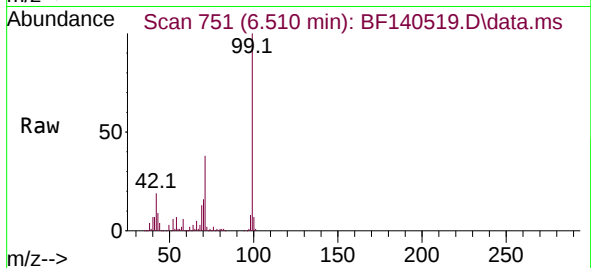
Instrument :

BNA_F

ClientSampleId :

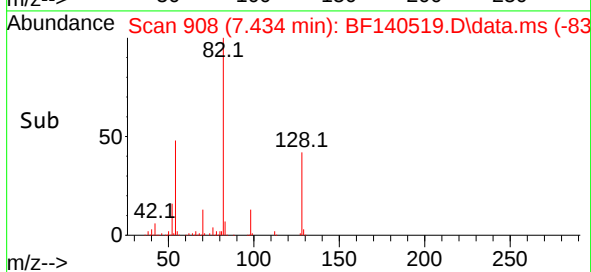
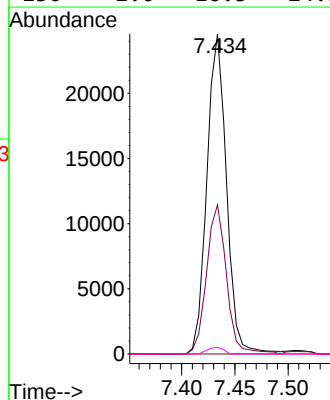
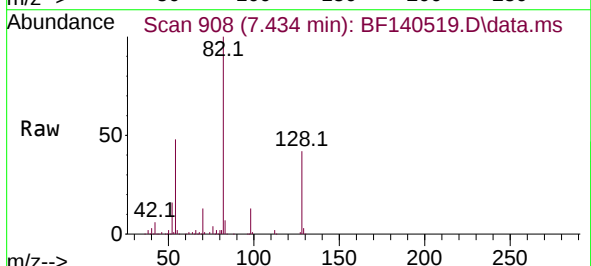
SOIL-2

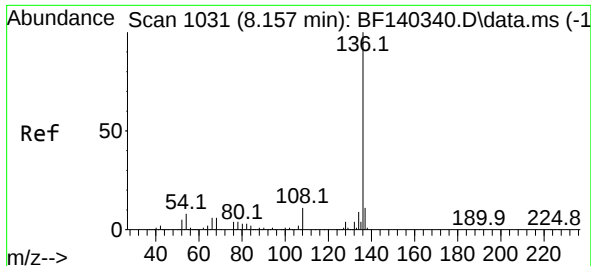
Tgt Ion: 99 Resp: 383932
Ion Ratio Lower Upper
99 100
42 19.4 15.1 22.7
71 37.5 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.390 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

Tgt Ion: 70 Resp: 31506
Ion Ratio Lower Upper
70 100
42 46.6 46.8 70.2#
101 0.0 7.5 11.3#
130 2.0 16.3 24.5#

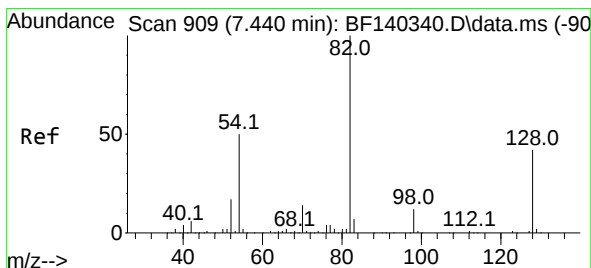
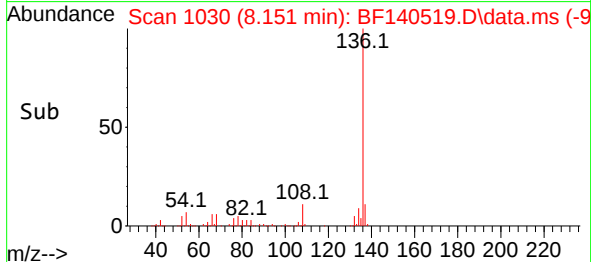
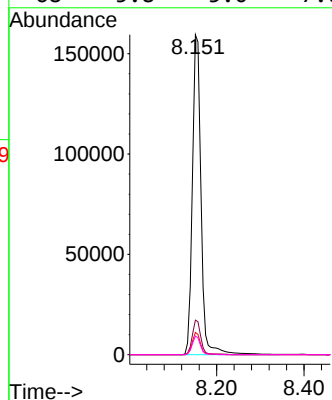
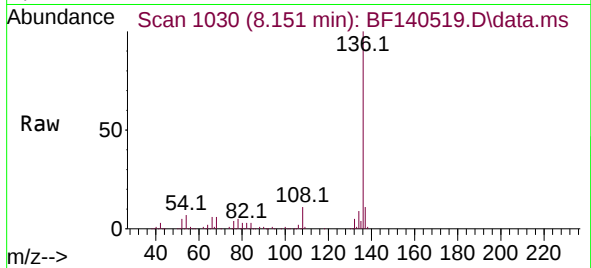




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

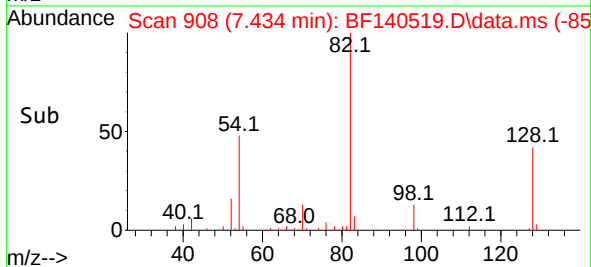
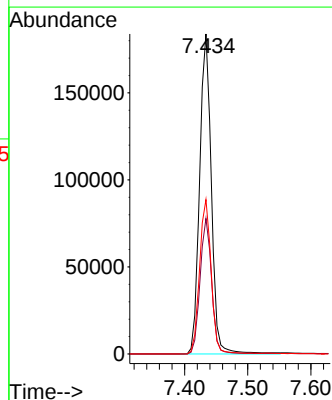
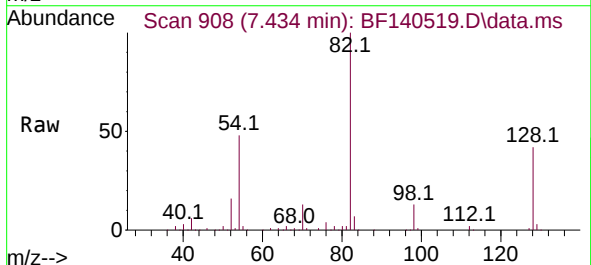
Instrument :
BNA_F
ClientSampleId :
SOIL-2

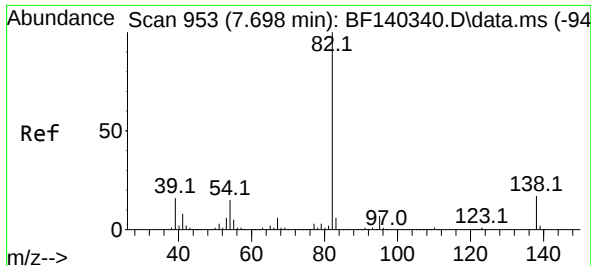
Tgt Ion:136 Resp: 219983
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.0 6.5 9.7
68 5.8 5.0 7.6



#23
Nitrobenzene-d5
Concen: 56.193 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

Tgt Ion: 82 Resp: 237254
Ion Ratio Lower Upper
82 100
128 42.4 33.3 49.9
54 48.3 39.8 59.8

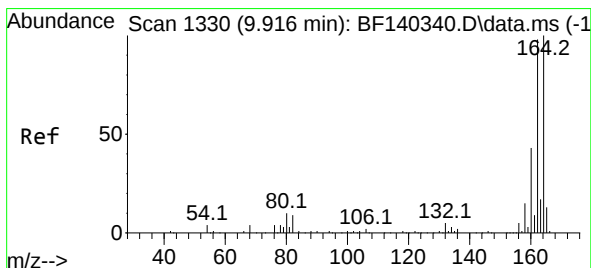
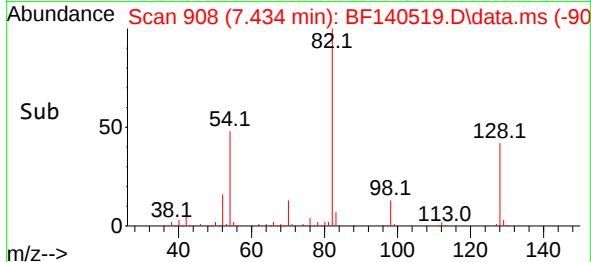
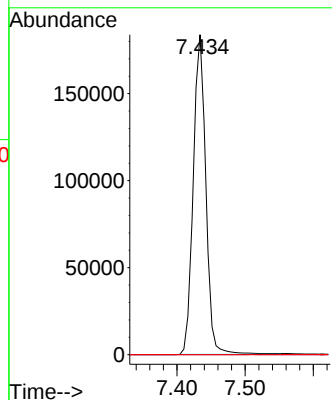
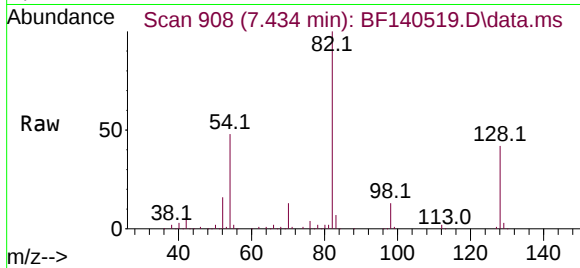




#25
Isophorone
Concen: 31.430 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

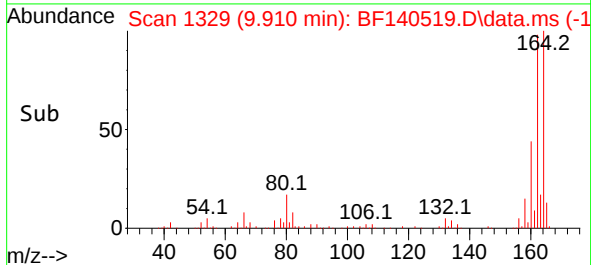
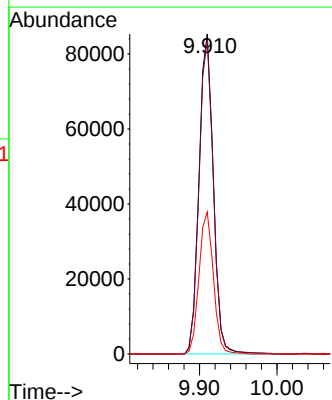
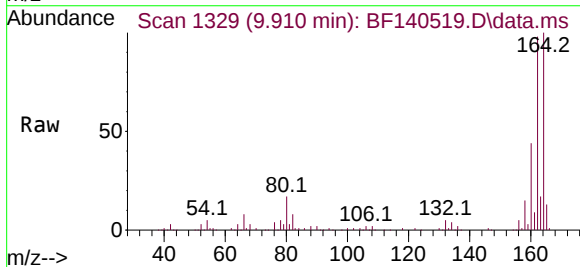
Instrument :
BNA_F
ClientSampleId :
SOIL-2

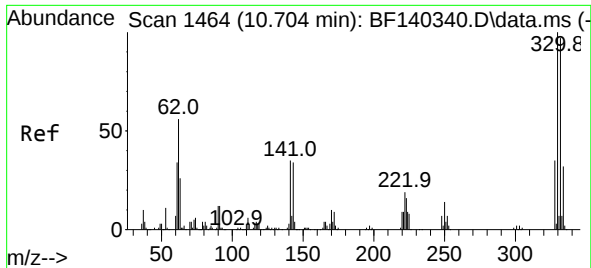
Tgt Ion: 82 Resp: 235186
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

Tgt Ion: 164 Resp: 109485
Ion Ratio Lower Upper
164 100
162 98.1 79.8 119.8
160 44.4 35.4 53.0

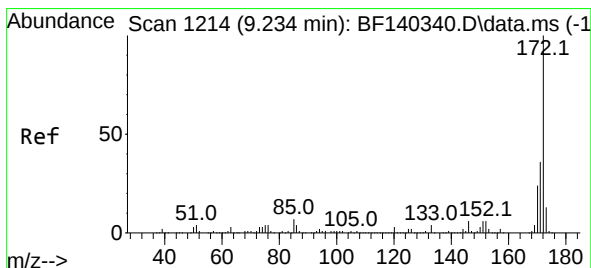
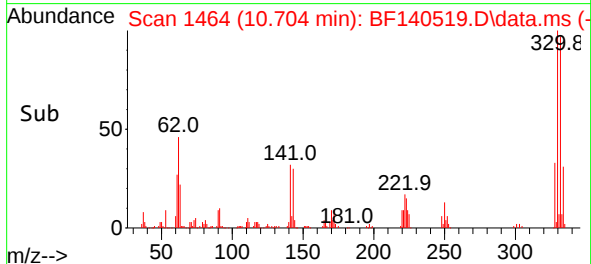
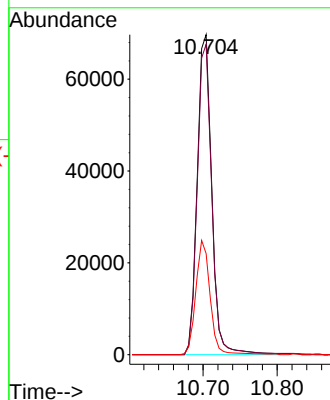
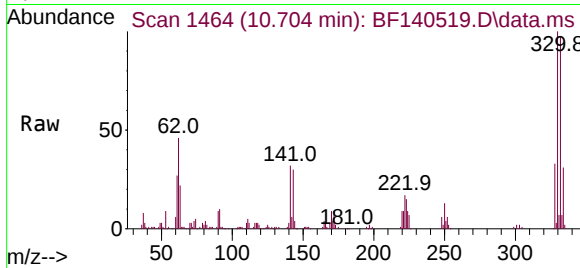




#42
2,4,6-Tribromophenol
Concen: 87.266 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

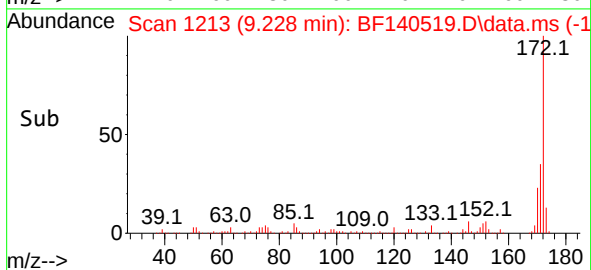
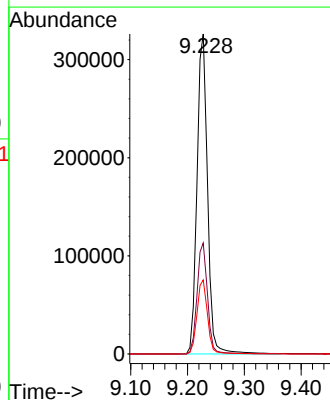
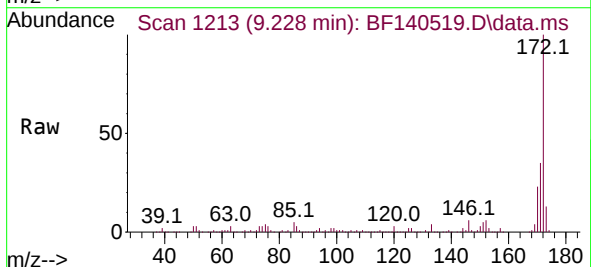
Instrument :
BNA_F
ClientSampleId :
SOIL-2

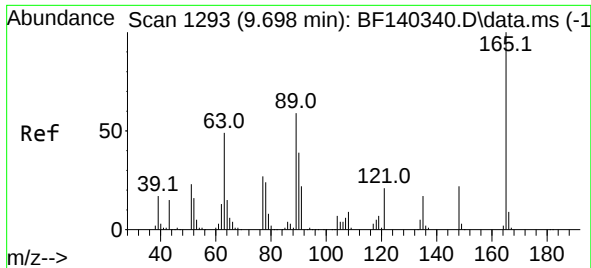
Tgt Ion:330 Resp: 95010
Ion Ratio Lower Upper
330 100
332 97.4 75.9 113.9
141 35.4 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 62.026 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

Tgt Ion:172 Resp: 422438
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 23.2 19.1 28.7

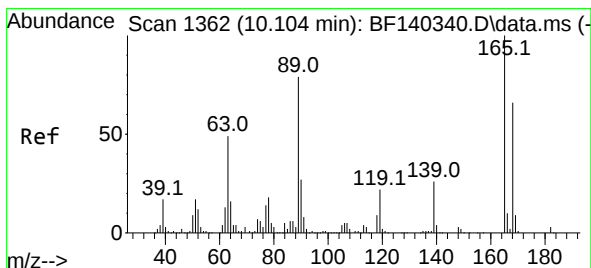
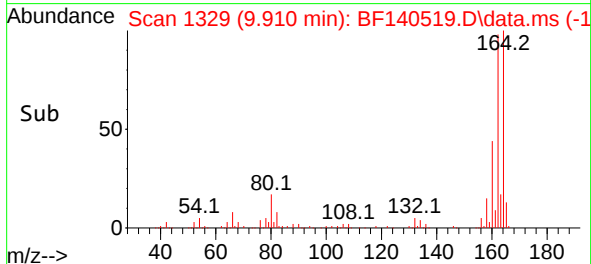
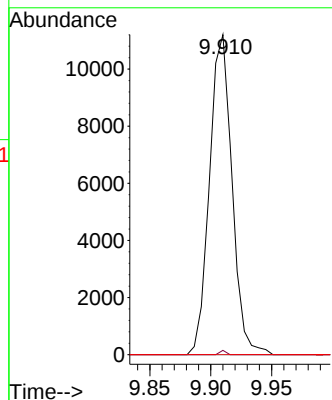
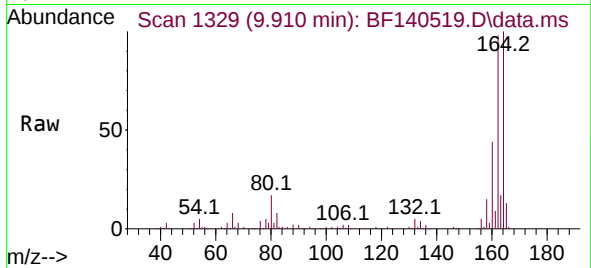




#51
2,6-Dinitrotoluene
Concen: 8.841 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

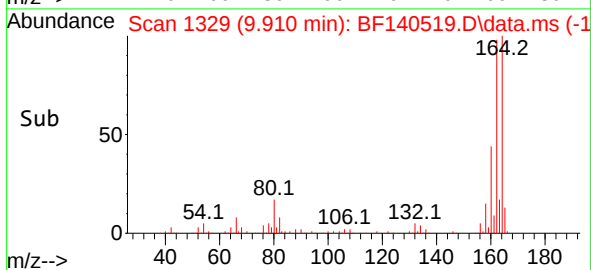
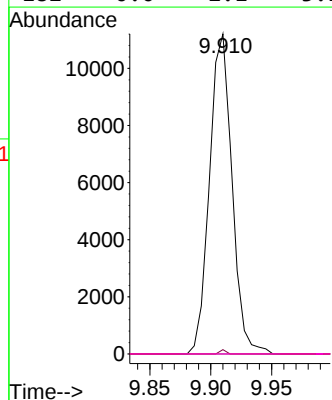
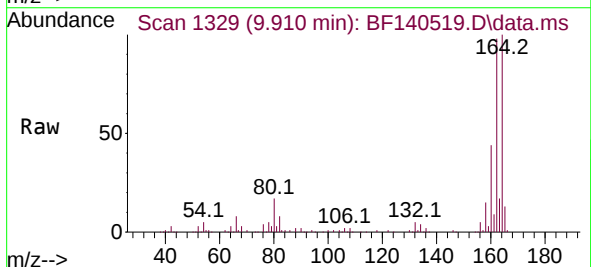
Instrument :
BNA_F
ClientSampleId :
SOIL-2

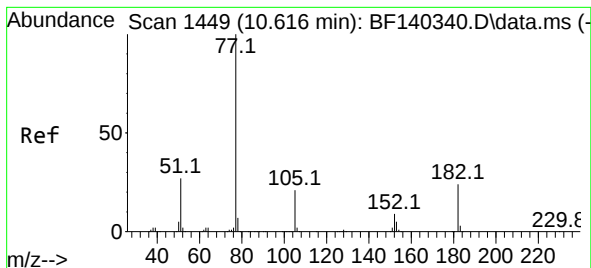
Tgt Ion:165 Resp: 14383
Ion Ratio Lower Upper
165 100
63 1.4 47.6 71.4#
89 0.0 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.717 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

Tgt Ion:165 Resp: 14383
Ion Ratio Lower Upper
165 100
63 1.4 39.4 59.0#
89 0.0 62.4 93.6#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 8.667 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

Instrument :

BNA_F

ClientSampleId :

SOIL-2

Tgt Ion: 77 Resp: 62491

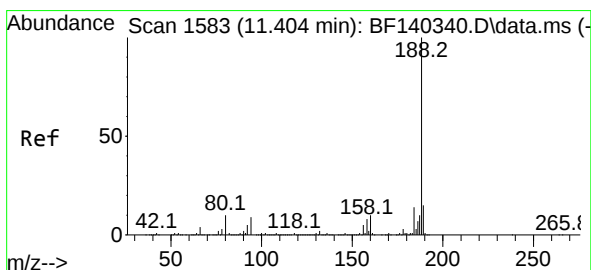
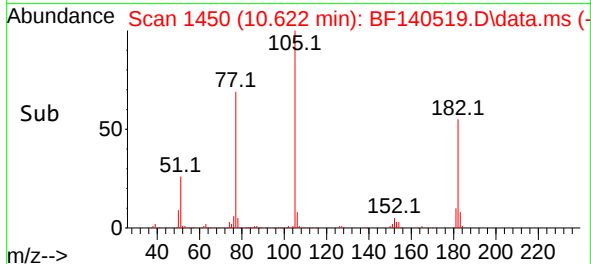
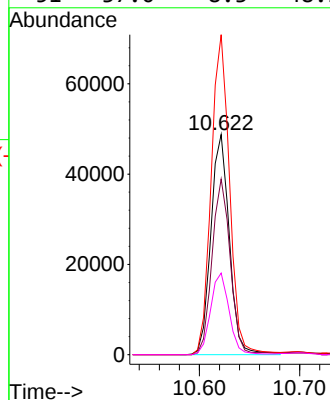
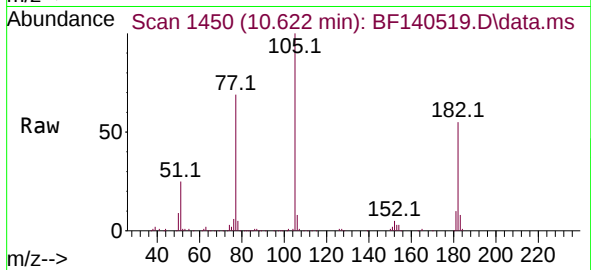
Ion Ratio Lower Upper

77 100

182 79.8 4.6 44.6#

105 145.3 0.9 40.9#

51 37.0 8.3 48.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

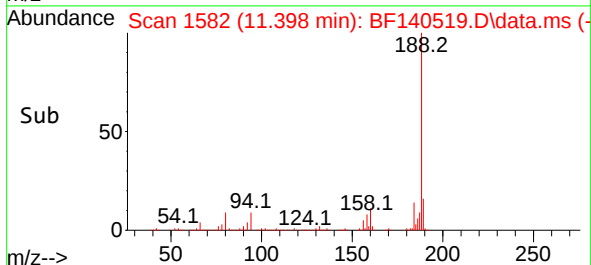
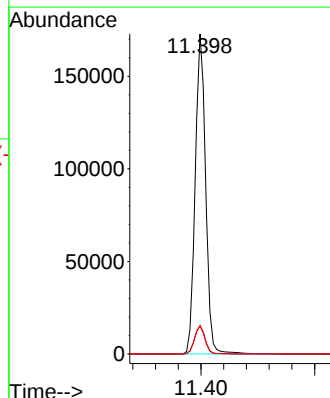
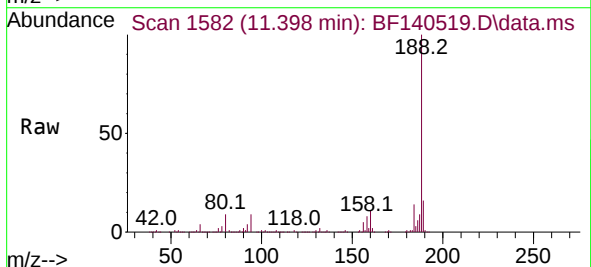
Tgt Ion: 188 Resp: 221356

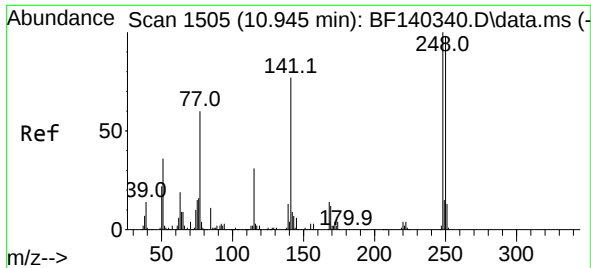
Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 8.7 8.0 12.0

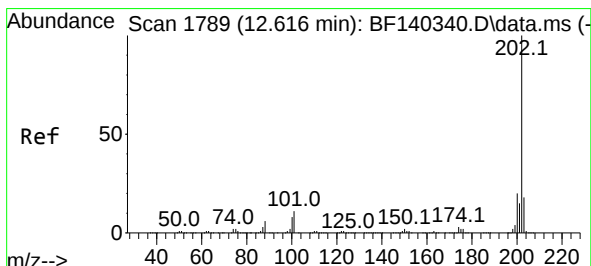
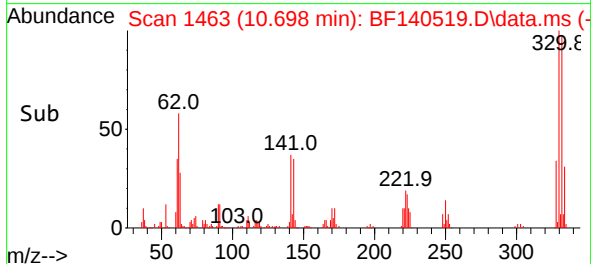
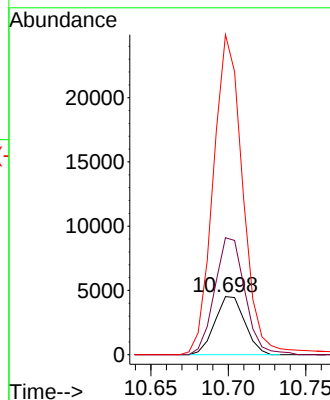
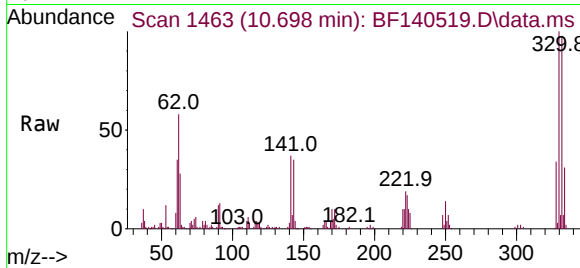




#67
4-Bromophenyl-phenylether
Concen: 2.750 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

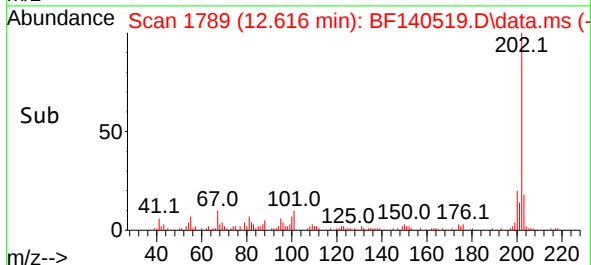
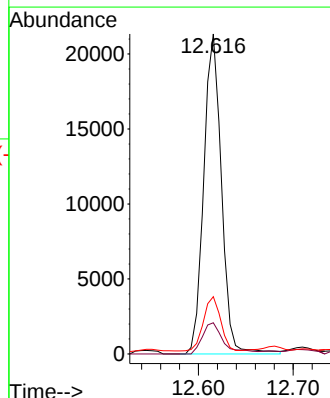
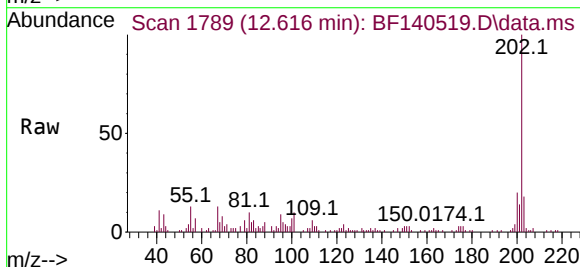
Instrument :
BNA_F
ClientSampleId :
SOIL-2

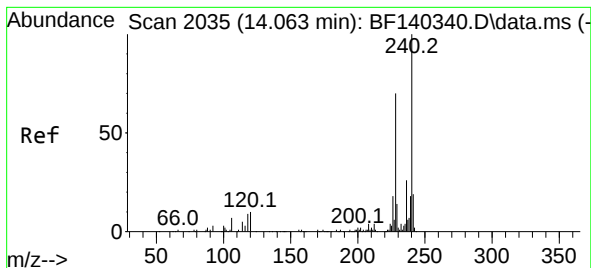
Tgt Ion:248 Resp: 6086
Ion Ratio Lower Upper
248 100
250 201.4 77.9 116.9#
141 550.9 61.8 92.6#



#75
Fluoranthene
Concen: 2.382 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

Tgt Ion:202 Resp: 27786
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

Instrument :

BNA_F

ClientSampleId :

SOIL-2

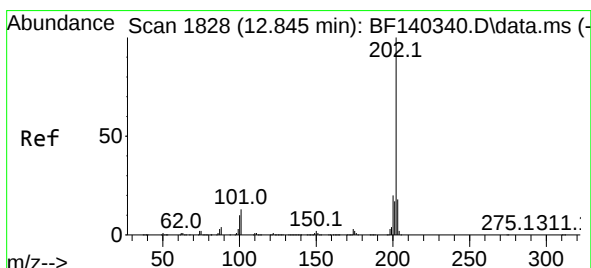
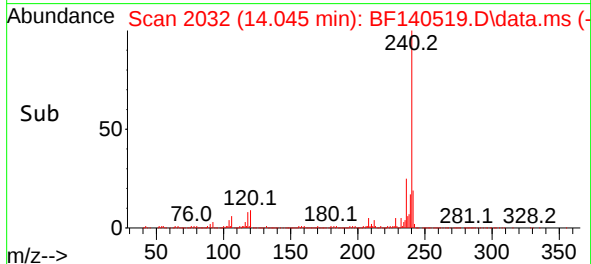
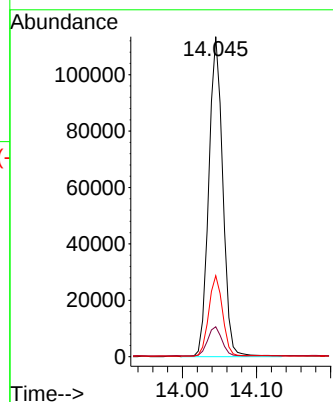
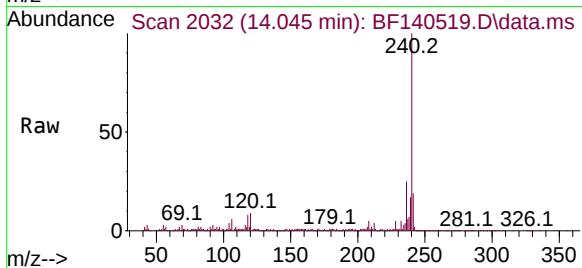
Tgt Ion:240 Resp: 149187

Ion Ratio Lower Upper

240 100

120 9.3 8.8 13.2

236 25.3 20.9 31.3



#78

Pyrene

Concen: 2.167 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

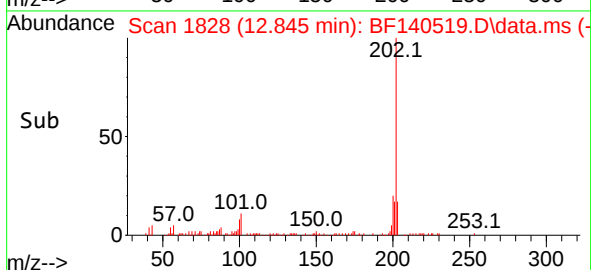
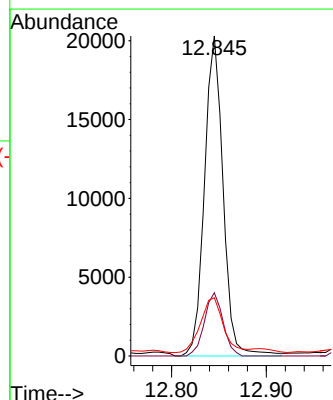
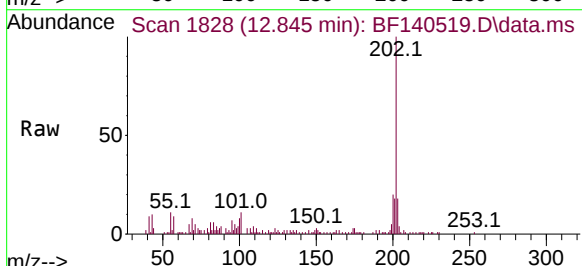
Tgt Ion:202 Resp: 27653

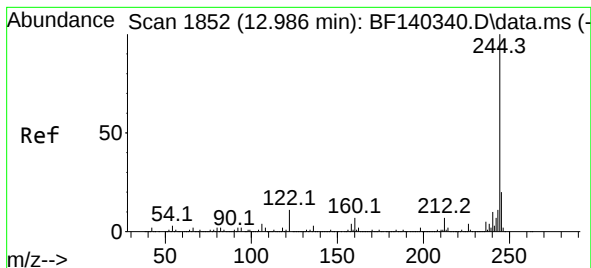
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 62.302 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

Instrument :

BNA_F

ClientSampleId :

SOIL-2

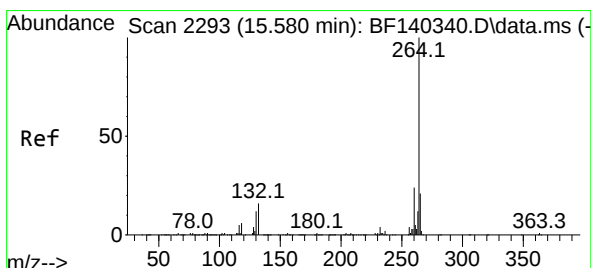
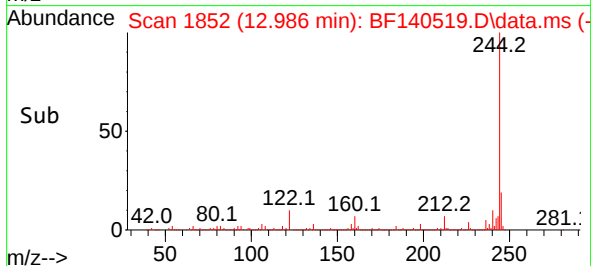
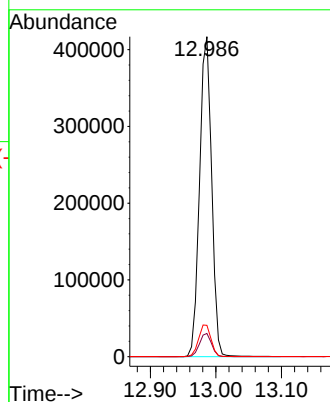
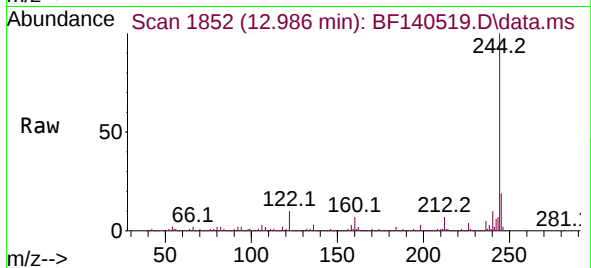
Tgt Ion:244 Resp: 535467

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 9.8 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.024 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

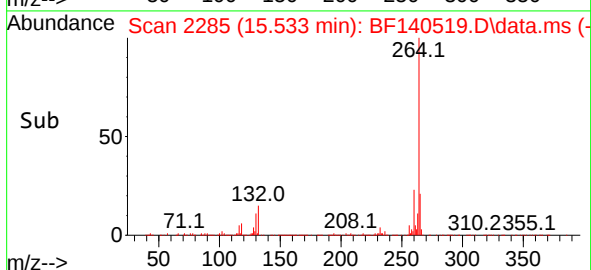
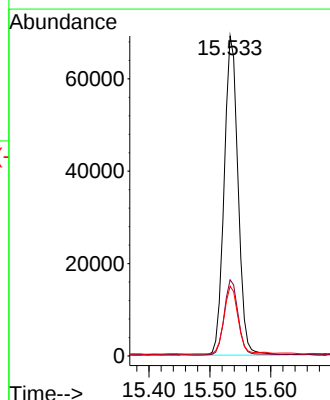
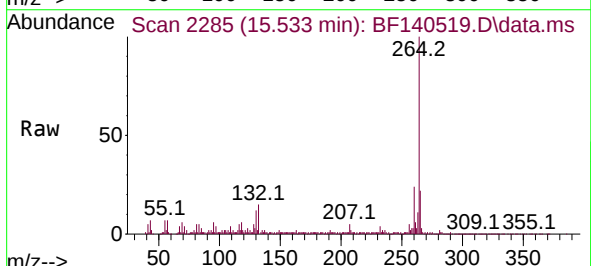
Tgt Ion:264 Resp: 109501

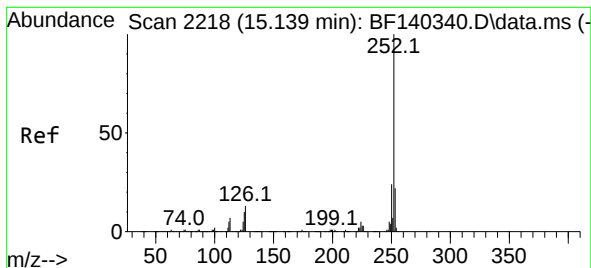
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.8 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.146 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

Instrument :

BNA_F

ClientSampleId :

SOIL-2

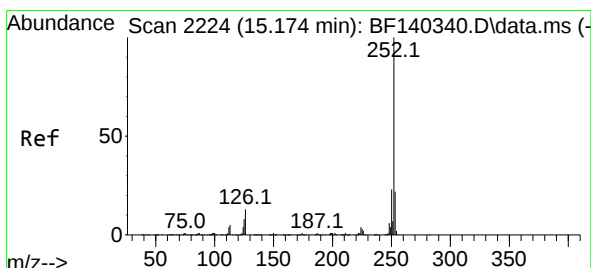
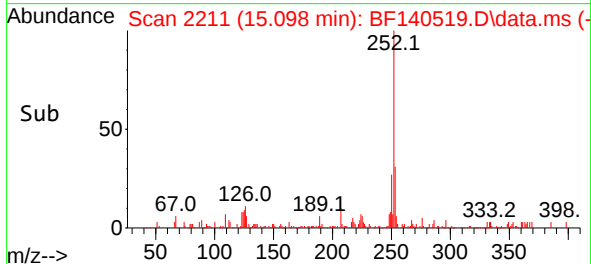
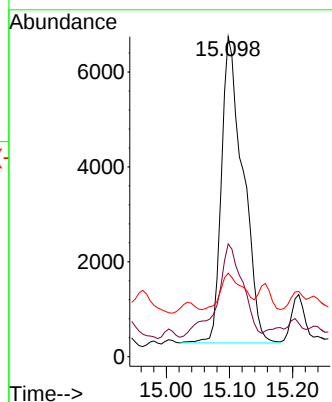
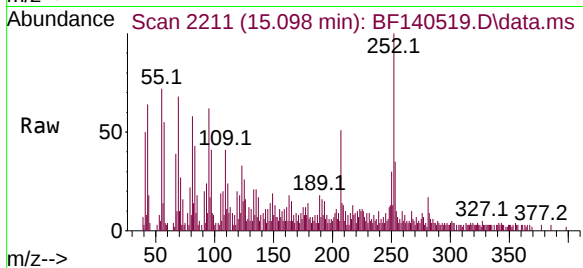
Tgt Ion:252 Resp: 15369

Ion Ratio Lower Upper

252 100

253 35.2 17.5 26.3#

125 26.1 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 2.626 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.053 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

Tgt Ion:252 Resp: 15369

Ion Ratio Lower Upper

252 100

253 35.2 17.3 25.9#

125 26.1 7.4 11.2#

