

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140361.D
 Acq On : 14 Nov 2024 14:47
 Operator : RC/JU
 Sample : P4779-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-01

Quant Time: Nov 14 15:24:57 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)

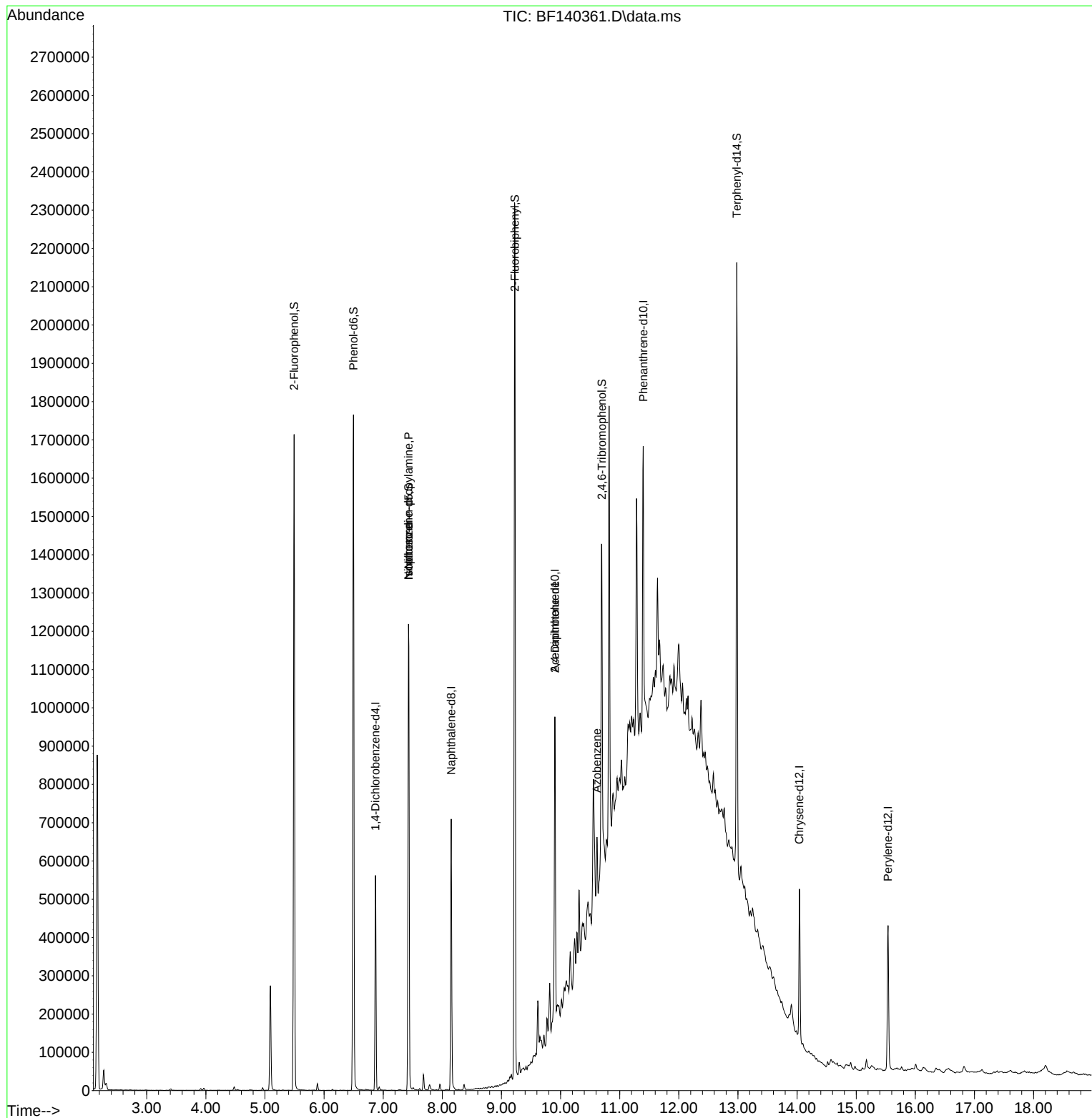
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	115948	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	442868	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	233523	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	362127	20.000	ng	0.00
76) Chrysene-d12	14.039	240	194283	20.000	ng	-0.01
86) Perylene-d12	15.539	264	216934	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	624310	91.932	ng	0.00
7) Phenol-d6	6.498	99	858657	93.325	ng	0.00
23) Nitrobenzene-d5	7.428	82	575146	67.665	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	156900	67.565	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1046816	72.062	ng	0.00
79) Terphenyl-d14	12.980	244	767225	68.547	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	77468	13.941	ng	# 78
25) Isophorone	7.428	82	568995	37.771	ng	# 66
57) 2,4-Dinitrotoluene	9.904	165	31060	6.801	ng	# 21
63) Azobenzene	10.616	77	41945	2.727	ng	# 1

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

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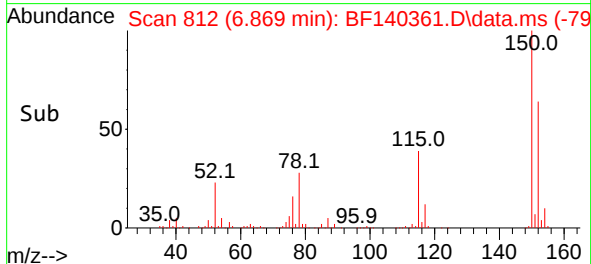
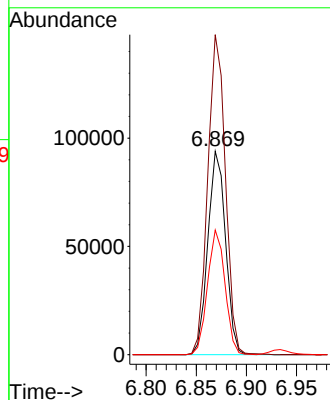
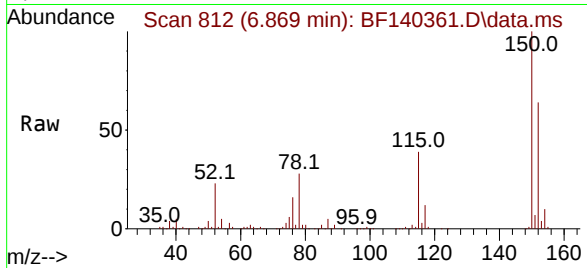




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

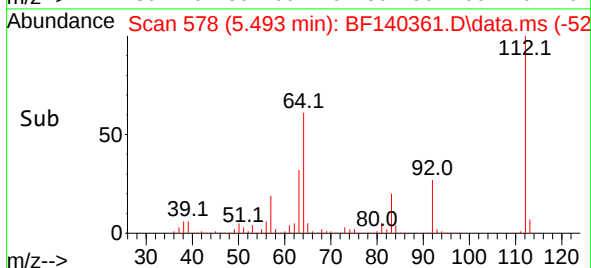
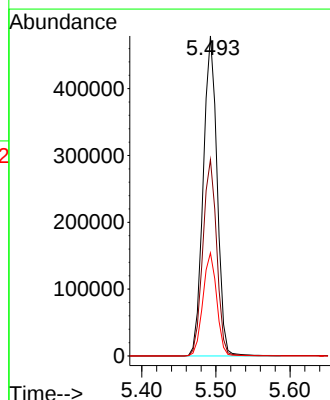
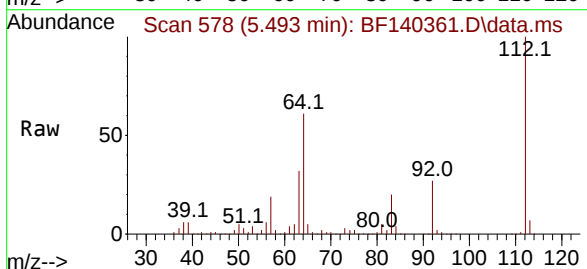
Instrument :
BNA_F
ClientSampleId :
SOIL-01

Tgt Ion:152 Resp: 115948
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.0
115 61.3 47.4 71.2



#5
2-Fluorophenol
Concen: 91.932 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

Tgt Ion:112 Resp: 624310
Ion Ratio Lower Upper
112 100
64 61.3 49.2 73.8
63 32.2 25.6 38.4

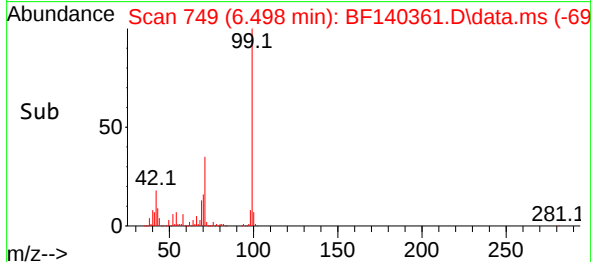
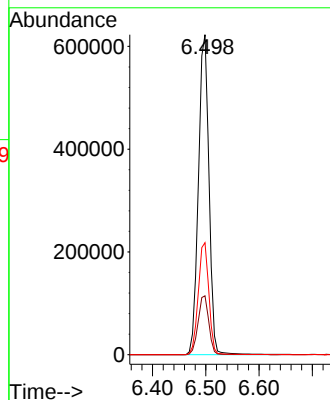
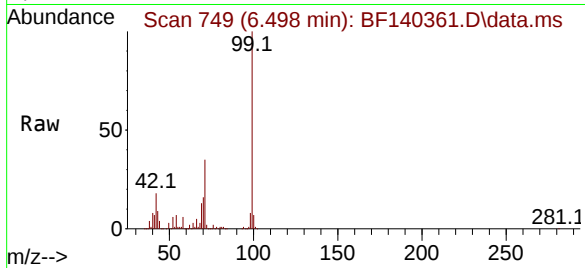




#7
Phenol-d6
Concen: 93.325 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

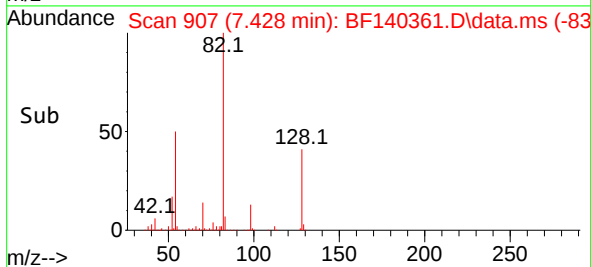
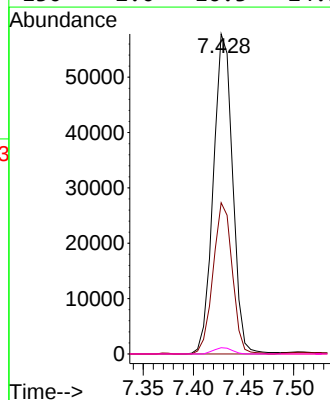
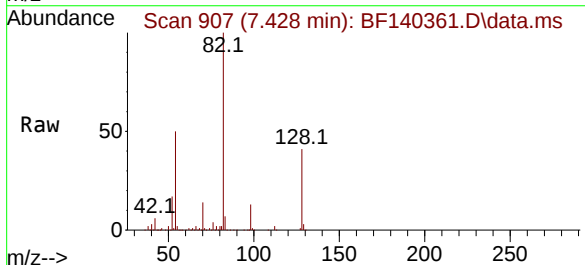
Instrument :
BNA_F
ClientSampleId :
SOIL-01

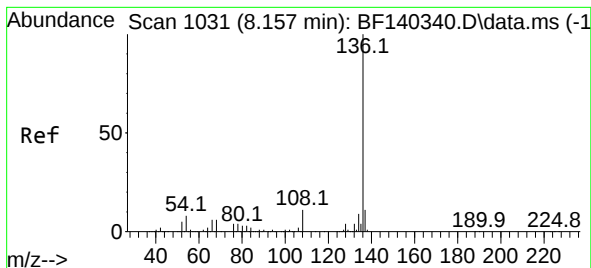
Tgt Ion: 99 Resp: 858657
Ion Ratio Lower Upper
99 100
42 18.4 15.1 22.7
71 35.0 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.941 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

Tgt Ion: 70 Resp: 77468
Ion Ratio Lower Upper
70 100
42 47.2 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# 1030

Delta R.T. -0.006 min

Lab File: BF140361.D

Acq: 14 Nov 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SOIL-01

Tgt Ion:136 Resp: 442868

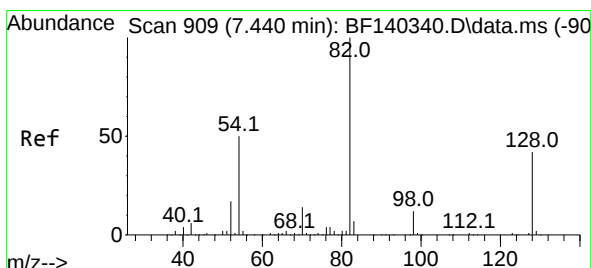
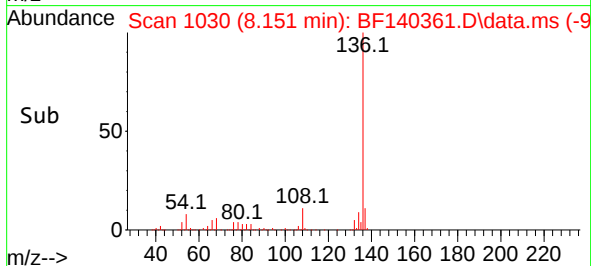
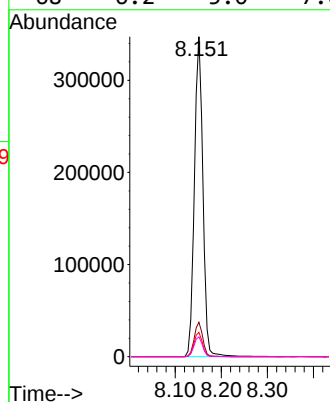
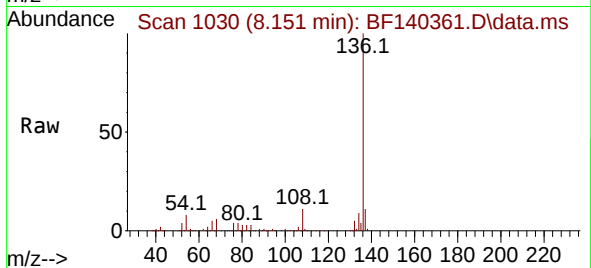
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 7.6 6.5 9.7

68 6.2 5.0 7.6



#23

Nitrobenzene-d5

Concen: 67.665 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140361.D

Acq: 14 Nov 2024 14:47

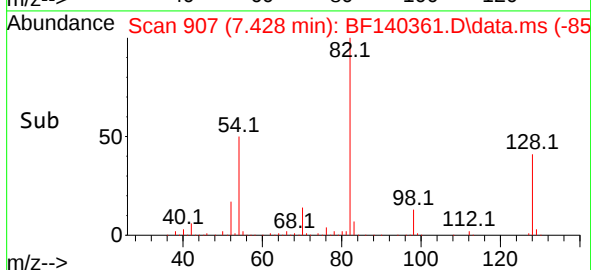
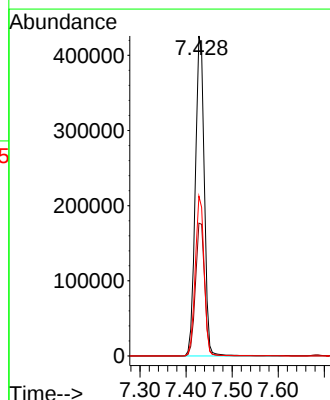
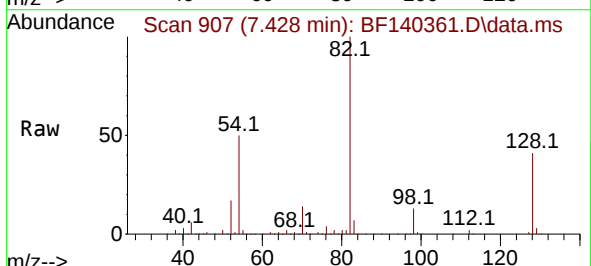
Tgt Ion: 82 Resp: 575146

Ion Ratio Lower Upper

82 100

128 41.5 33.3 49.9

54 50.0 39.8 59.8

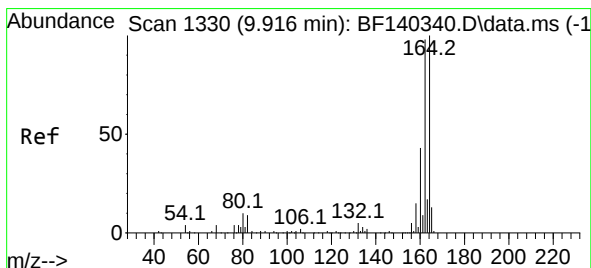
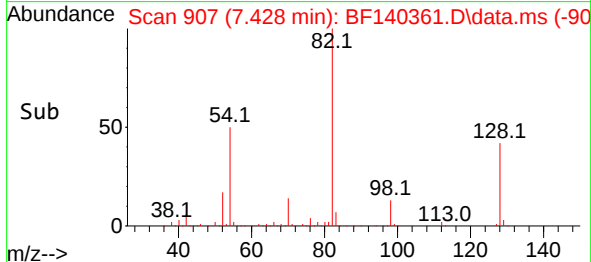
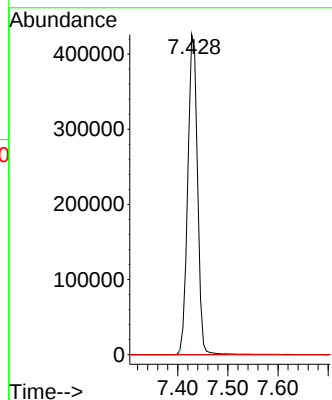
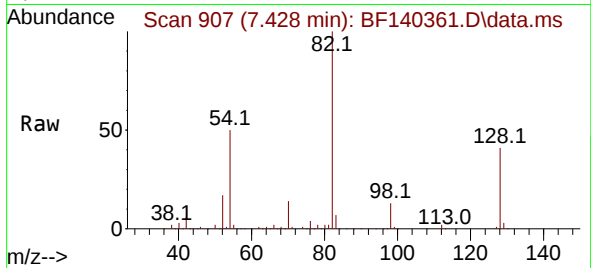




#25
Isophorone
Concen: 37.771 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

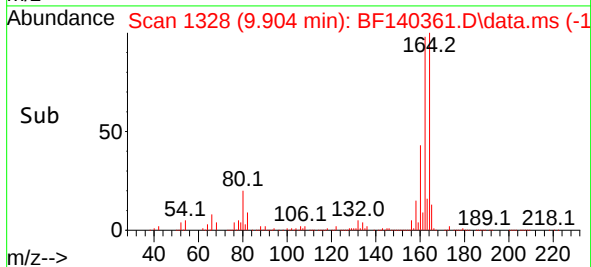
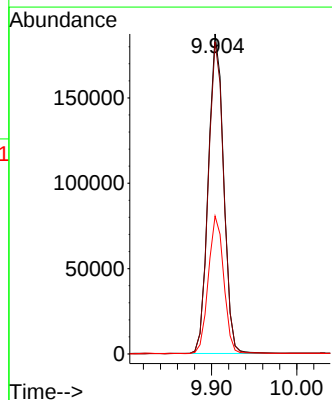
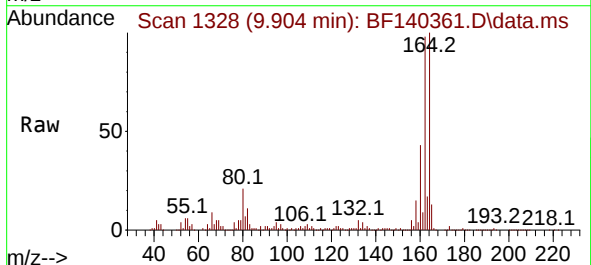
Instrument :
BNA_F
ClientSampleId :
SOIL-01

Tgt Ion: 82 Resp: 568995
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: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

Tgt Ion:164 Resp: 233523
Ion Ratio Lower Upper
164 100
162 97.5 79.8 119.8
160 43.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 67.565 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140361.D

Acq: 14 Nov 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SOIL-01

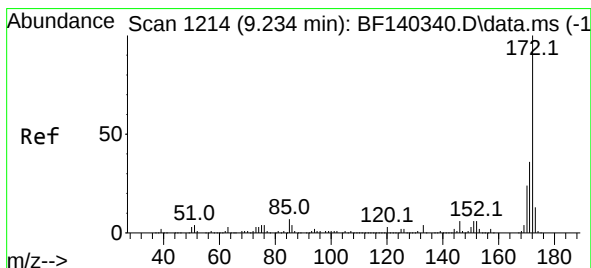
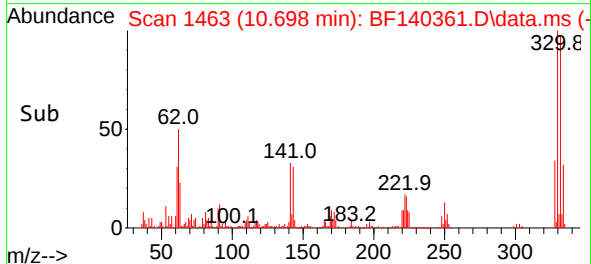
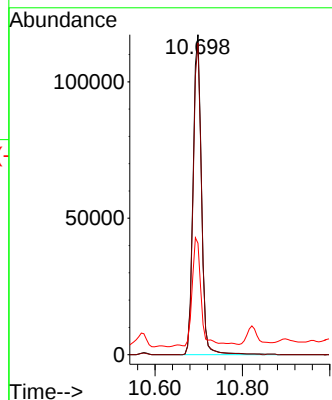
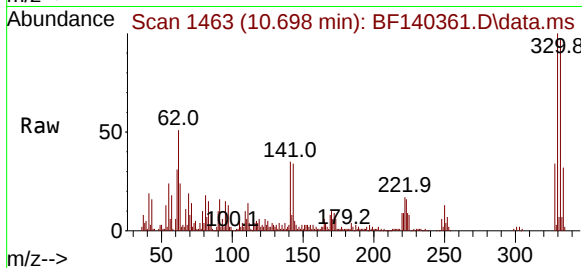
Tgt Ion:330 Resp: 156900

Ion Ratio Lower Upper

330 100

332 96.6 75.9 113.9

141 36.1 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 72.062 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140361.D

Acq: 14 Nov 2024 14:47

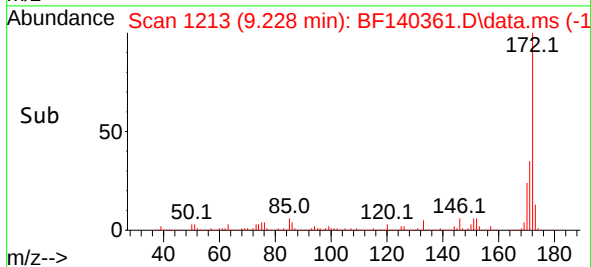
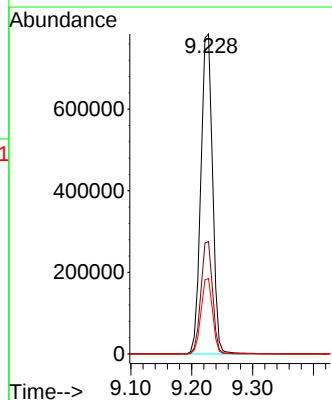
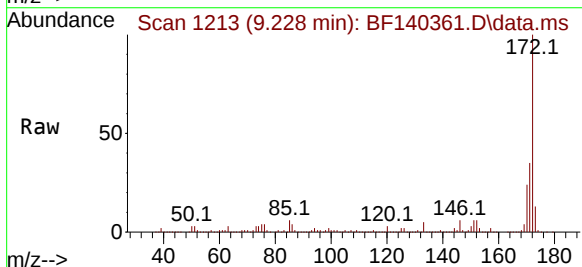
Tgt Ion:172 Resp: 1046816

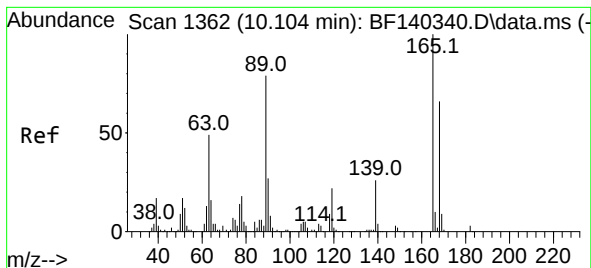
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.6 19.1 28.7





#57

2,4-Dinitrotoluene

Concen: 6.801 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.200 min

Lab File: BF140361.D

Acq: 14 Nov 2024 14:47

Instrument :

BNA_F

ClientSampleId :

SOIL-01

Tgt Ion:165 Resp: 31060

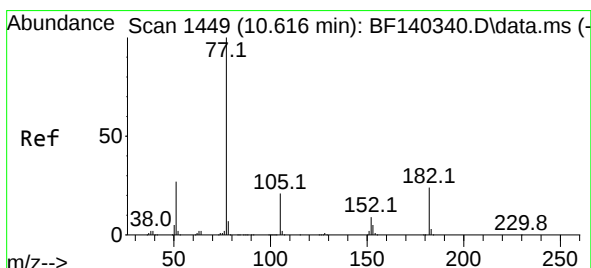
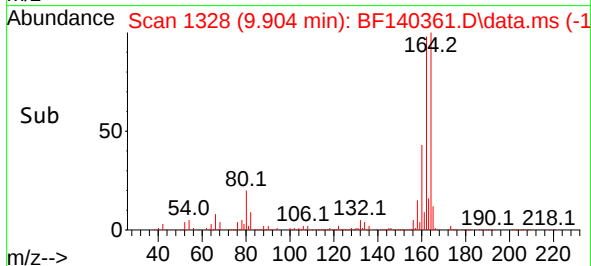
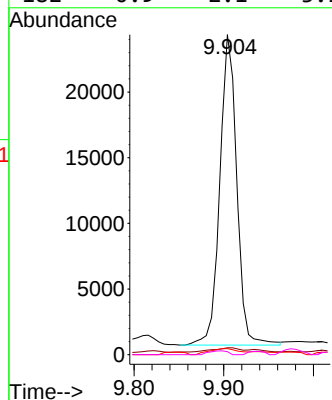
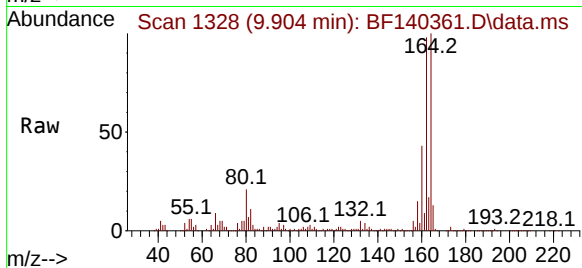
Ion Ratio Lower Upper

165 100

63 2.2 39.4 59.0#

89 1.9 62.4 93.6#

182 0.9 2.1 3.1#



#63

Azobenzene

Concen: 2.727 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF140361.D

Acq: 14 Nov 2024 14:47

Tgt Ion: 77 Resp: 41945

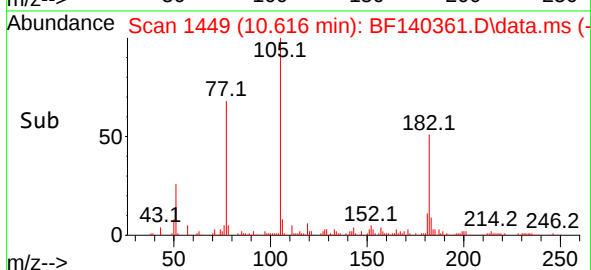
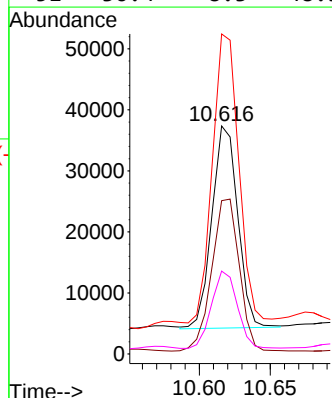
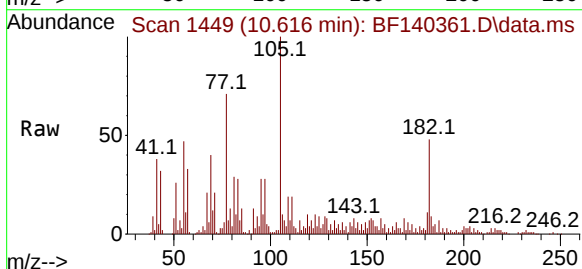
Ion Ratio Lower Upper

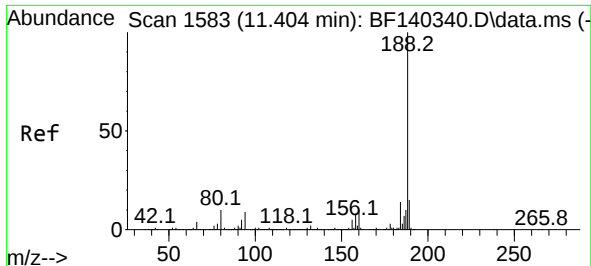
77 100

182 67.2 4.6 44.6#

105 140.4 0.9 40.9#

51 36.4 8.3 48.3

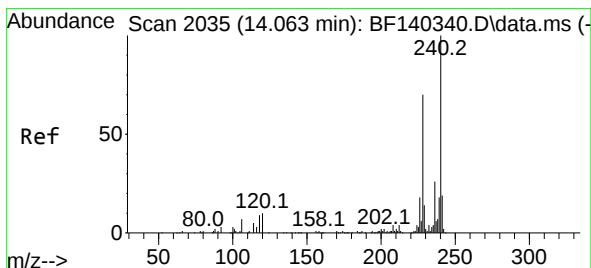
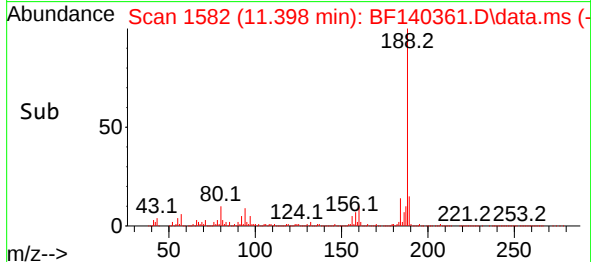
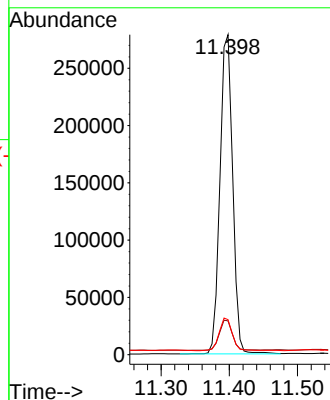
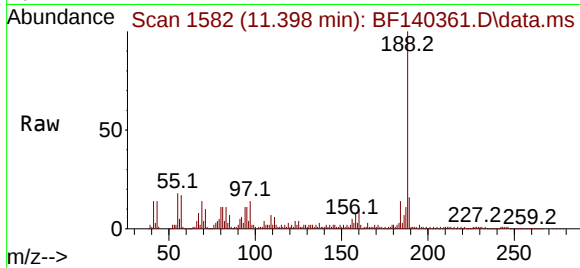




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

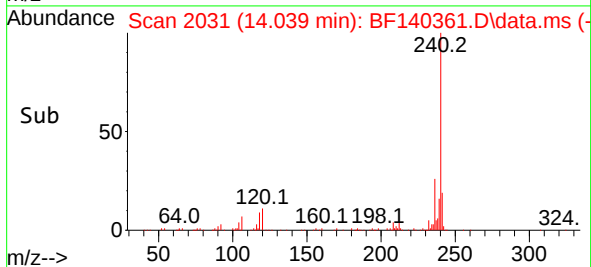
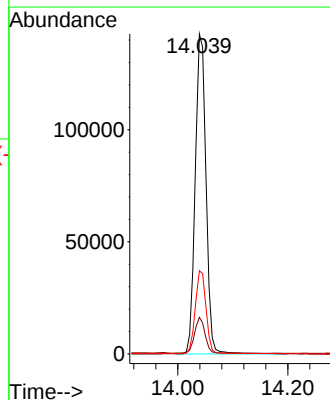
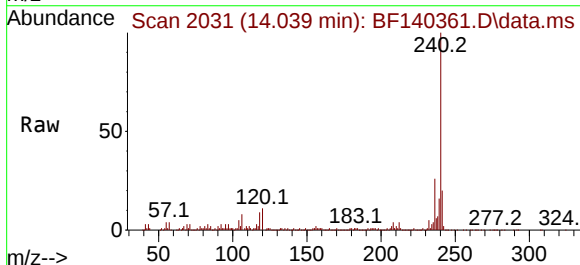
Instrument :
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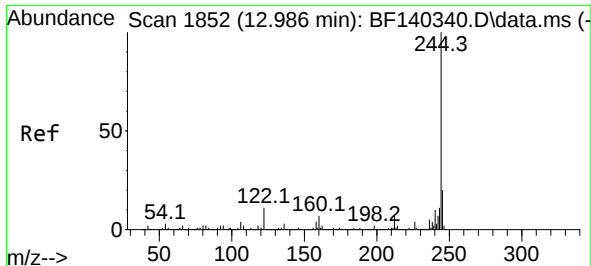
Tgt Ion:188 Resp: 362127
Ion Ratio Lower Upper
188 100
94 10.5 7.6 11.4
80 10.9 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140361.D
Acq: 14 Nov 2024 14:47

Tgt Ion:240 Resp: 194283
Ion Ratio Lower Upper
240 100
120 11.4 8.8 13.2
236 26.0 20.9 31.3

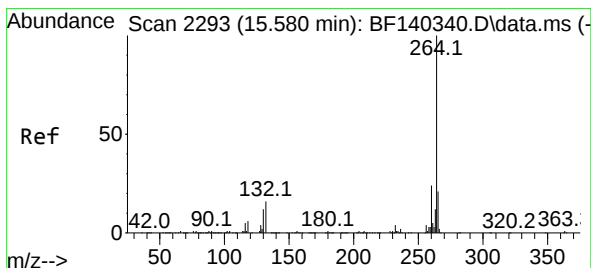
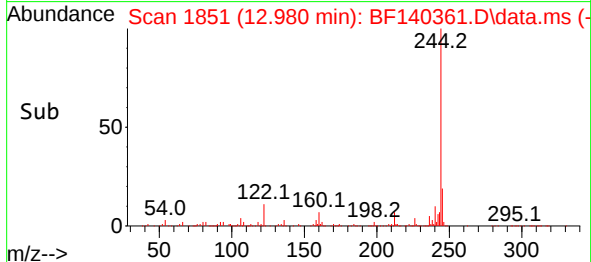
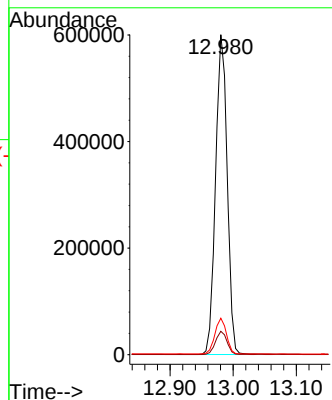
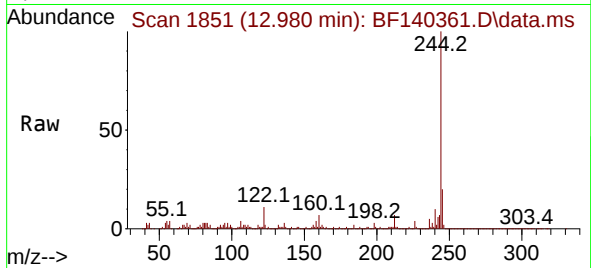




#79
 Terphenyl-d14
 Concen: 68.547 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140361.D
 Acq: 14 Nov 2024 14:47

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-01

Tgt Ion:244 Resp: 767225
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 11.4 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2286
 Delta R.T. -0.018 min
 Lab File: BF140361.D
 Acq: 14 Nov 2024 14:47

Tgt Ion:264 Resp: 216934
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 20.8 17.1 25.7

