

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)

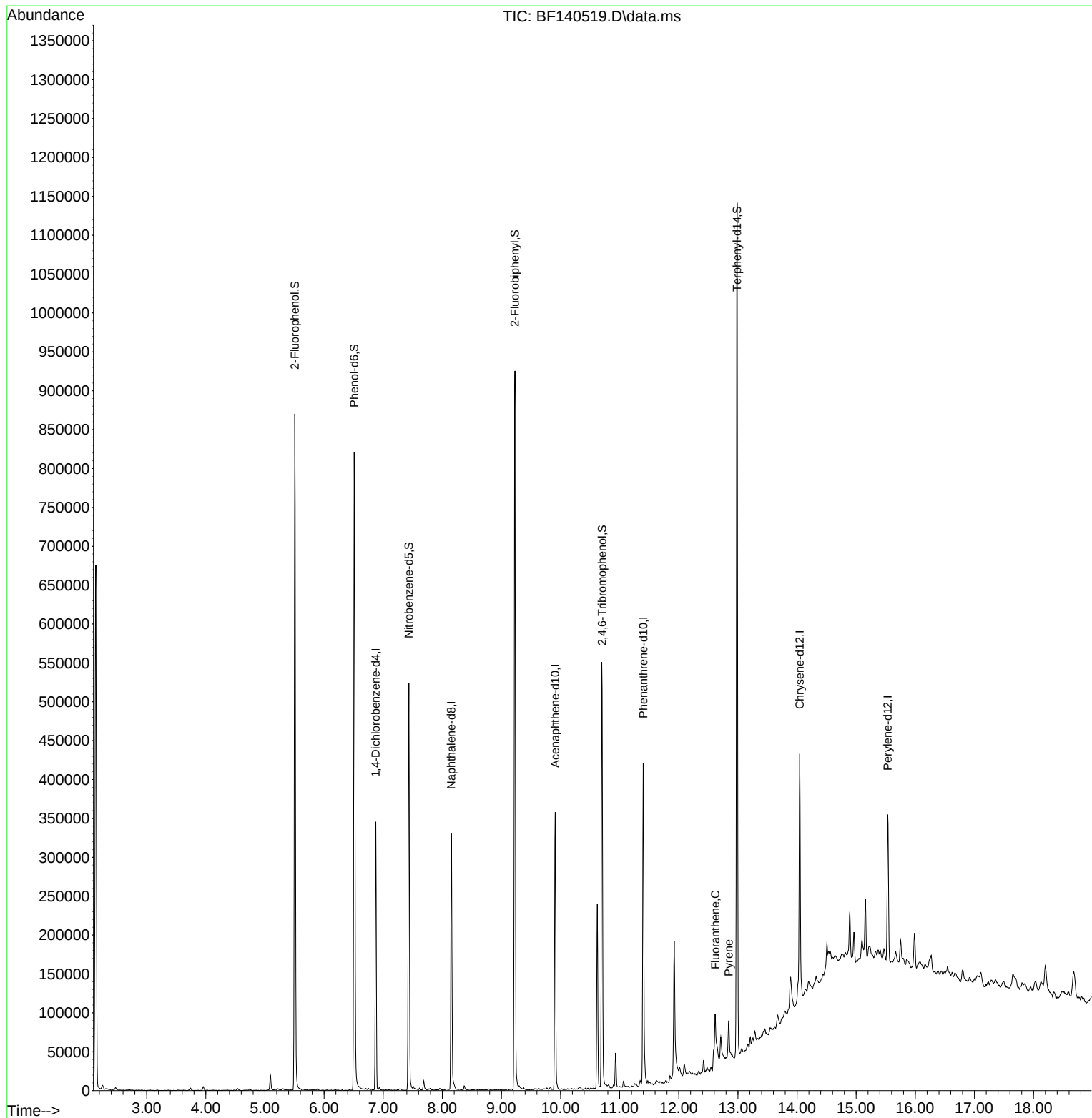
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	70010	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	219983	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	109485	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	221356	20.000	ng	0.00
76) Chrysene-d12	14.045	240	149187	20.000	ng	0.00
86) Perylene-d12	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						
75) Fluoranthene	12.616	202	27786	2.382	ng	99
78) Pyrene	12.845	202	27653	2.167	ng	99

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

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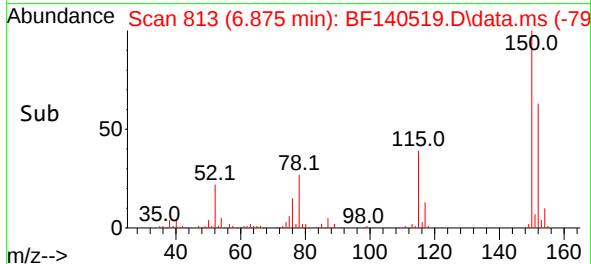
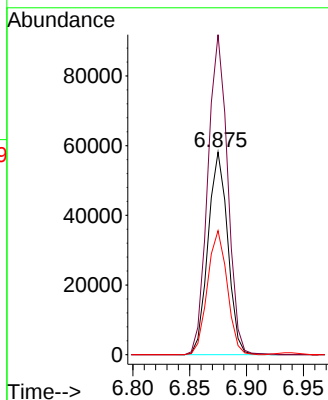
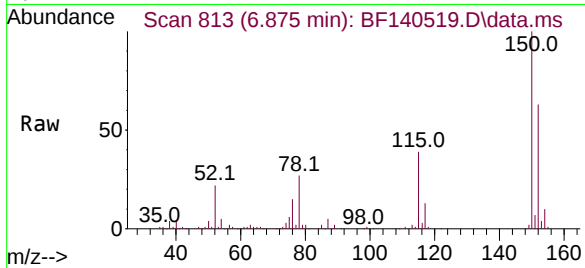




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

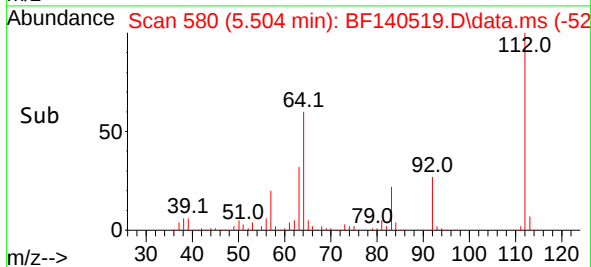
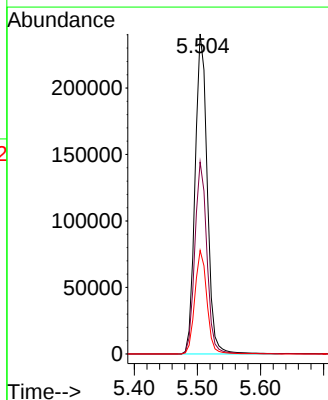
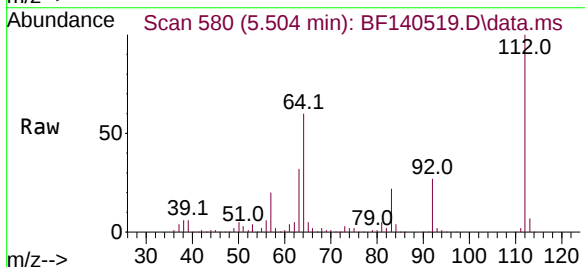
Instrument :
BNA_F
ClientSampleId :
SOIL-2

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

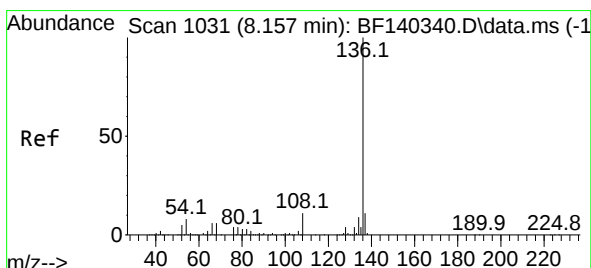
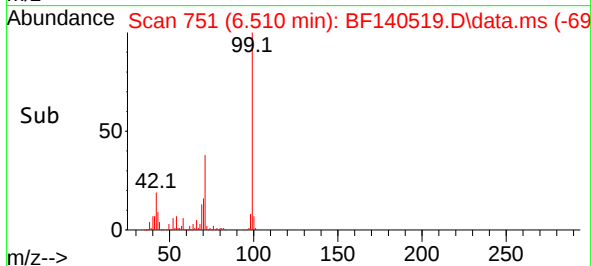
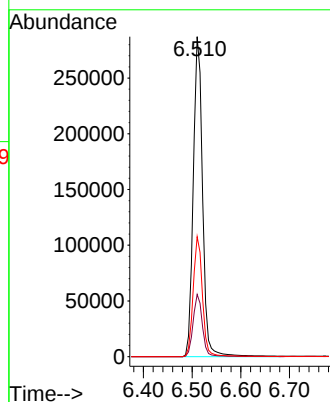
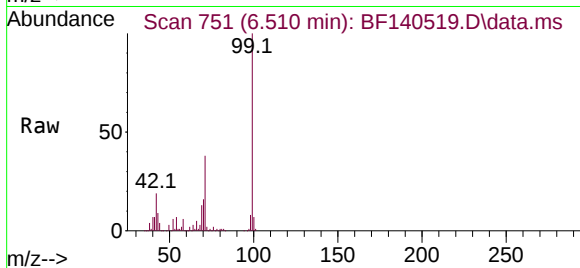
Tgt Ion: 99 Resp: 383932

Ion Ratio Lower Upper

99 100

42 19.4 15.1 22.7

71 37.5 27.9 41.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140519.D

Acq: 20 Nov 2024 23:58

Tgt Ion: 136 Resp: 219983

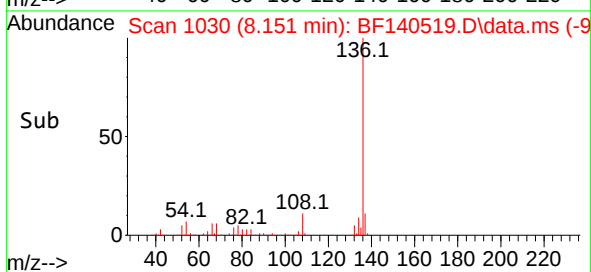
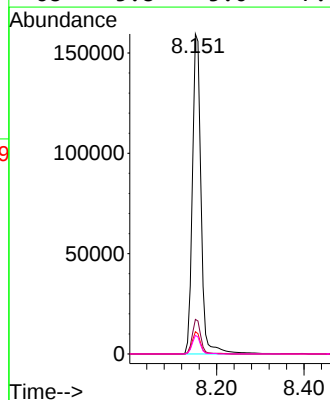
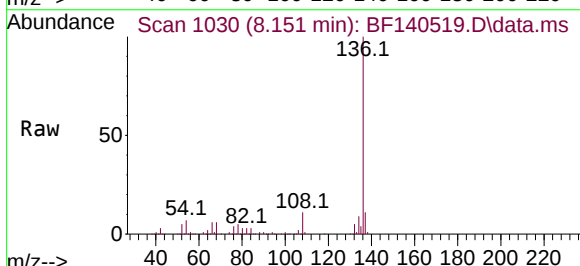
Ion Ratio Lower Upper

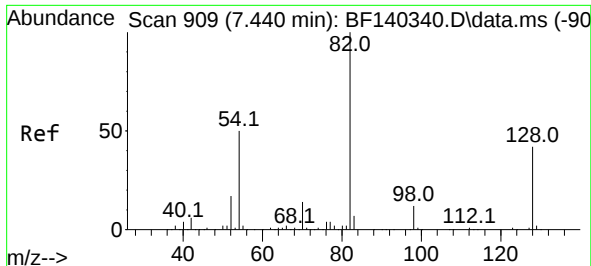
136 100

137 10.8 8.7 13.1

54 7.0 6.5 9.7

68 5.8 5.0 7.6

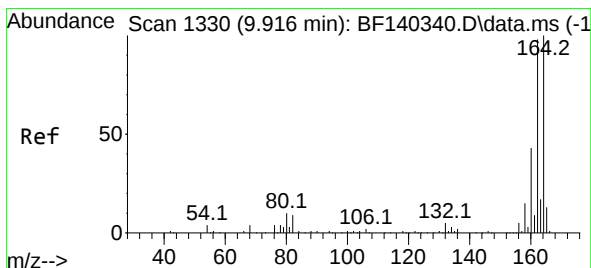
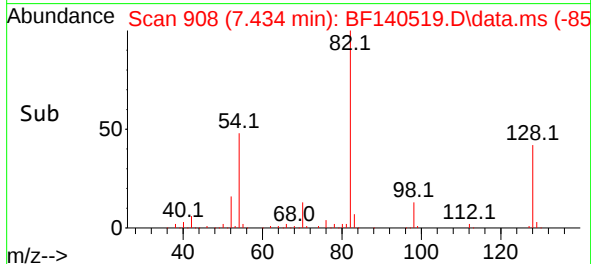
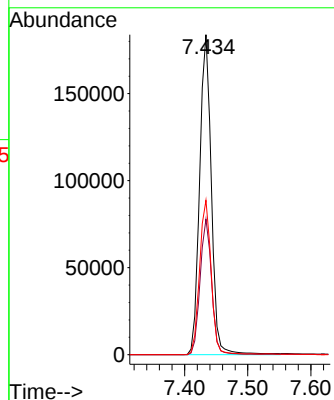
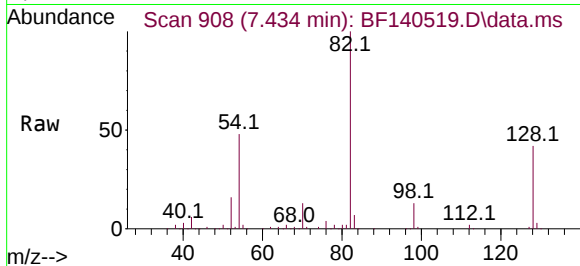




#23
 Nitrobenzene-d5
 Concen: 56.193 ng
 RT: 7.434 min Scan# 909
 Delta R.T. -0.006 min
 Lab File: BF140519.D
 Acq: 20 Nov 2024 23:58

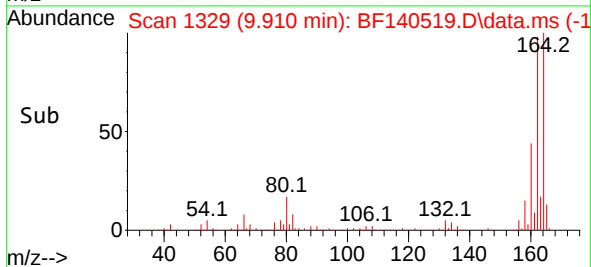
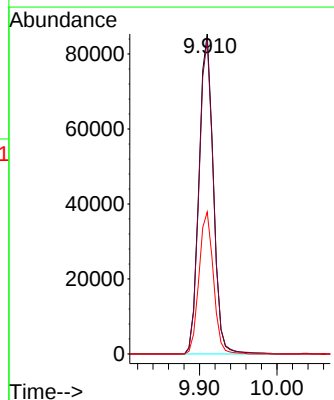
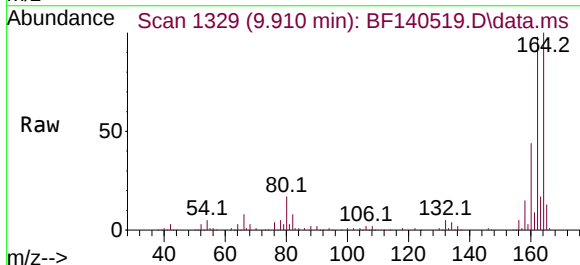
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

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



#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

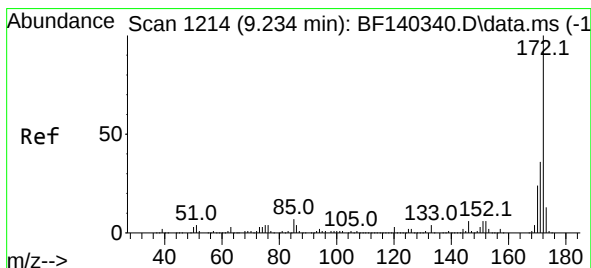
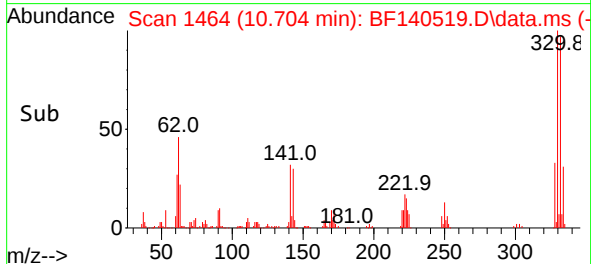
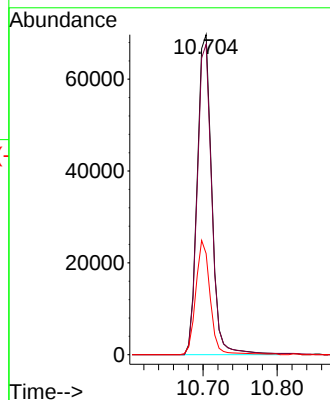
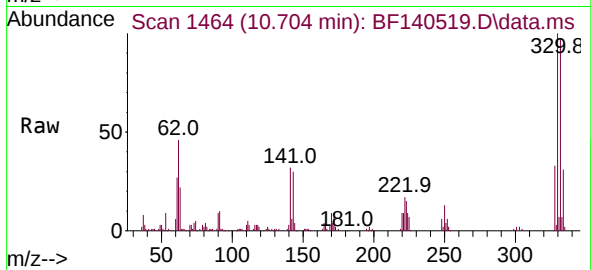
Tgt Ion:330 Resp: 95010

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

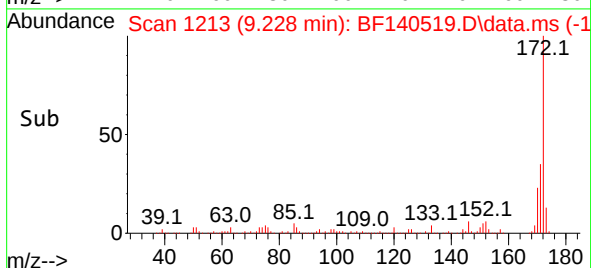
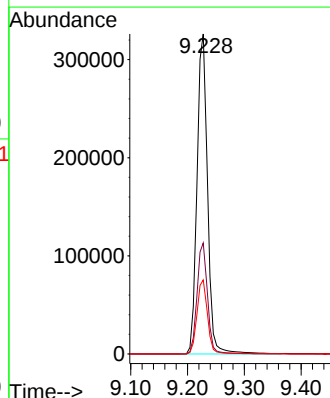
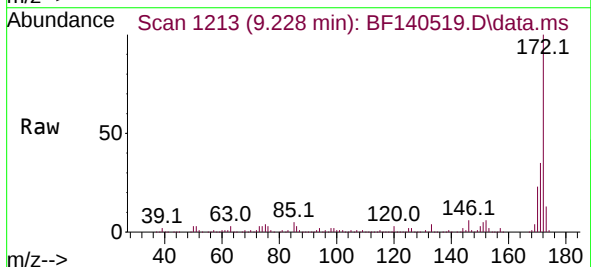
Tgt Ion:172 Resp: 422438

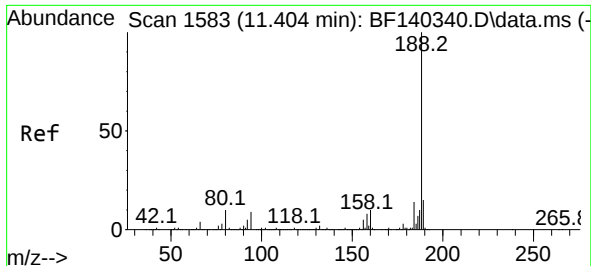
Ion Ratio Lower Upper

172 100

171 34.7 28.5 42.7

170 23.2 19.1 28.7

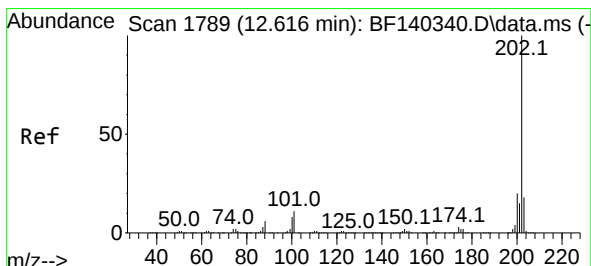
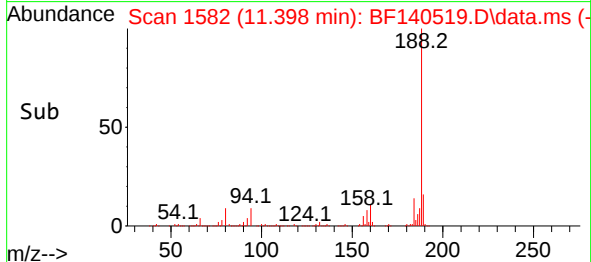
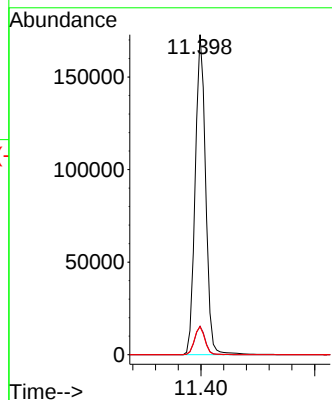
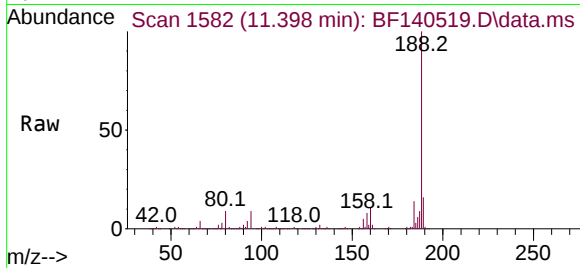




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140519.D
Acq: 20 Nov 2024 23:58

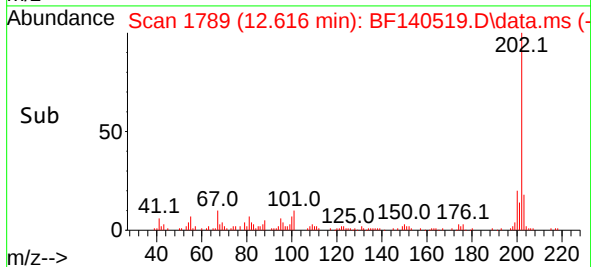
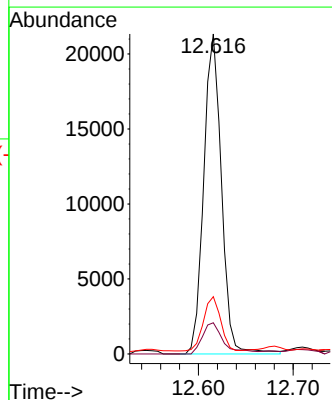
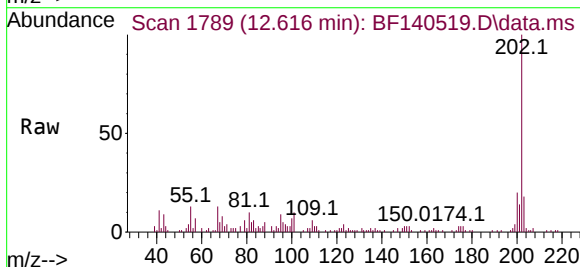
Instrument :
BNA_F
ClientSampleId :
SOIL-2

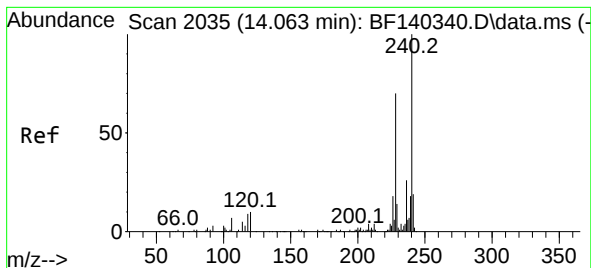
Tgt Ion:188 Resp: 221356
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 8.7 8.0 12.0



#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

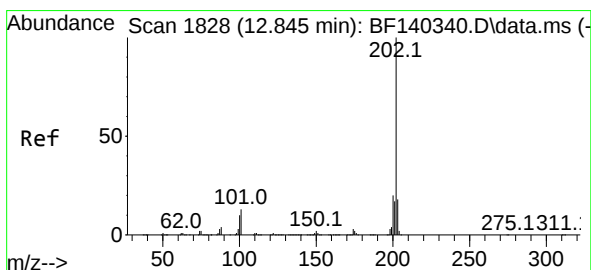
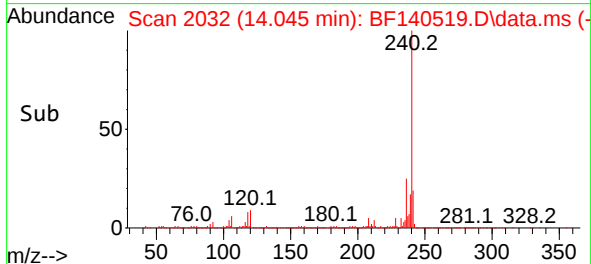
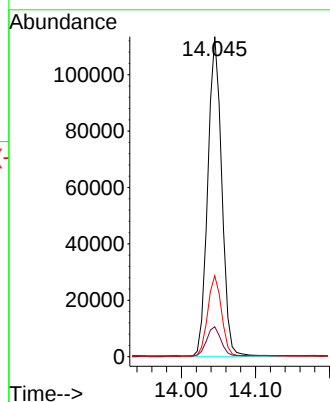
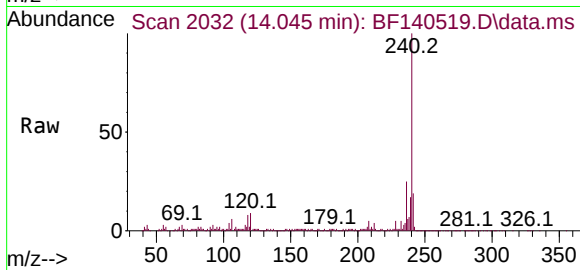
Tgt Ion:240 Resp: 149187

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

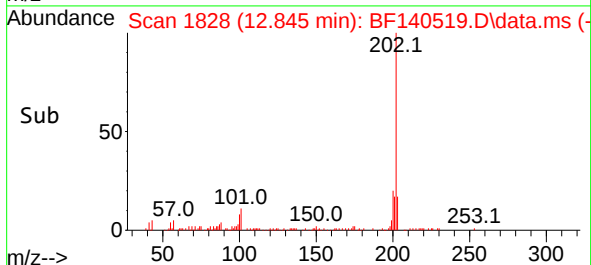
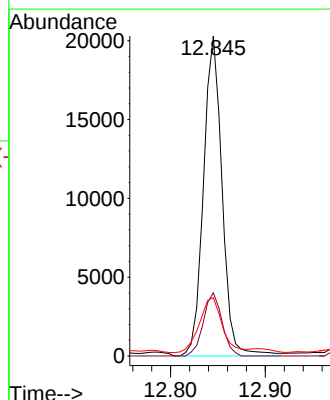
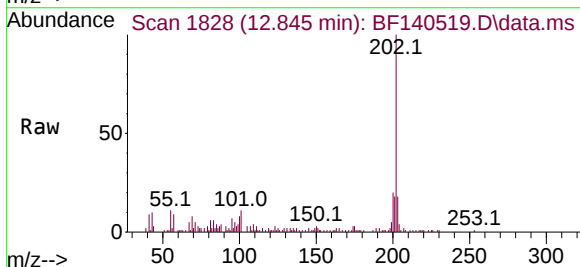
Tgt Ion:202 Resp: 27653

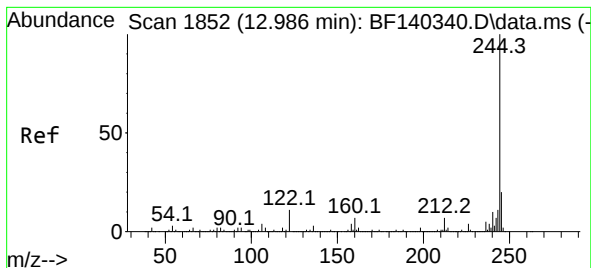
Ion Ratio Lower Upper

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

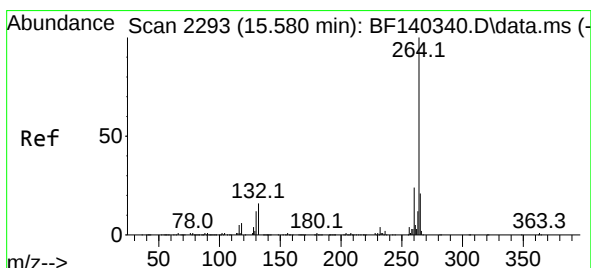
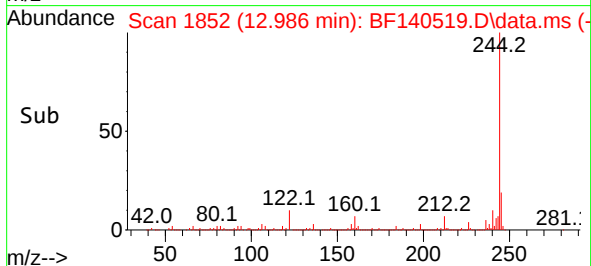
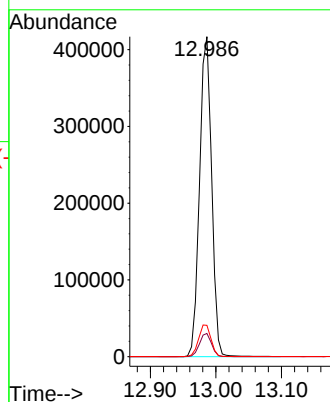
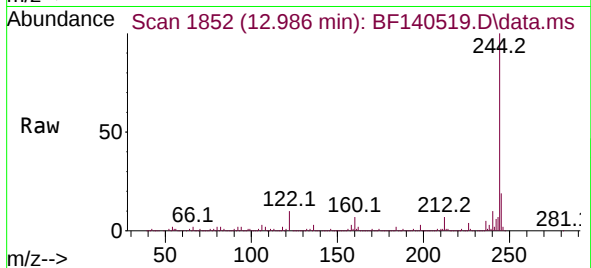
Tgt Ion:244 Resp: 535467

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

