

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141633.D
 Acq On : 14 Feb 2025 12:18
 Operator : RC/JU
 Sample : Q1352-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-021025

Quant Time: Feb 14 12:42:47 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)

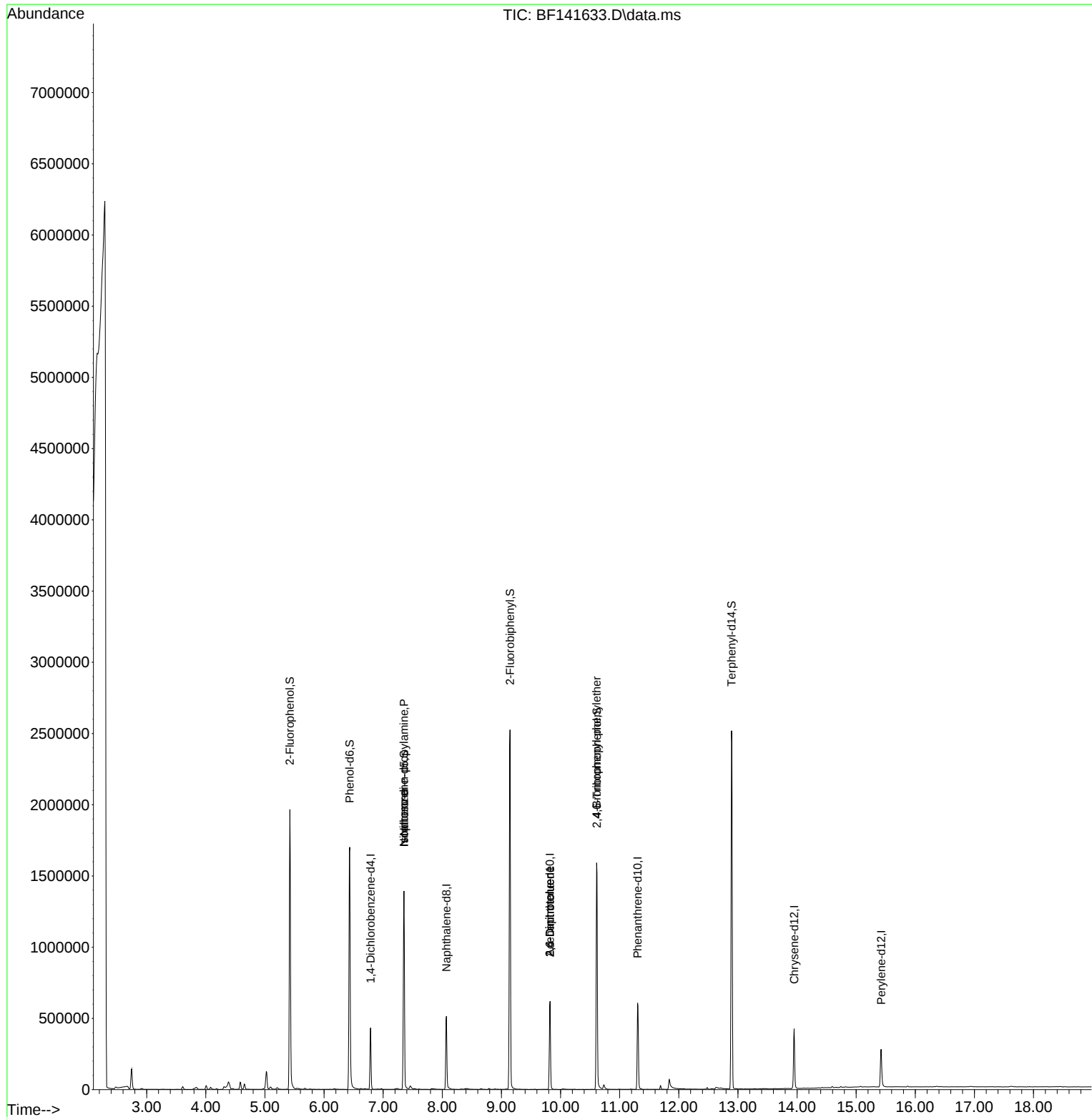
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	86790	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	356864	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	194980	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	336266	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	214163	20.000	ng	-0.01
86) Perylene-d12	15.421	264	168912	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	736906	133.112	ng	0.01
7) Phenol-d6	6.434	99	848800	121.309	ng	0.00
23) Nitrobenzene-d5	7.351	82	633459	92.585	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	275600	140.708	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1164642	92.025	ng	0.00
79) Terphenyl-d14	12.892	244	1310634	103.313	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	85837	20.509	ng	# 75
25) Isophorone	7.351	82	614125	56.294	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	24877	8.597	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	24877	6.458	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	19357	5.151	ng	# 1

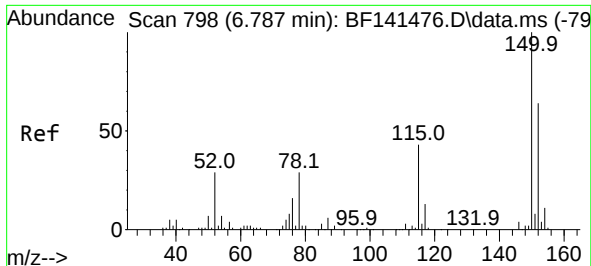
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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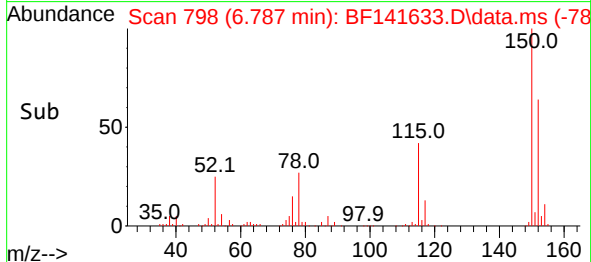
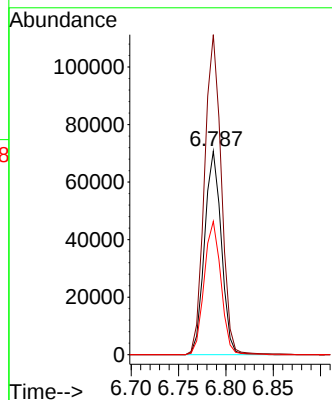
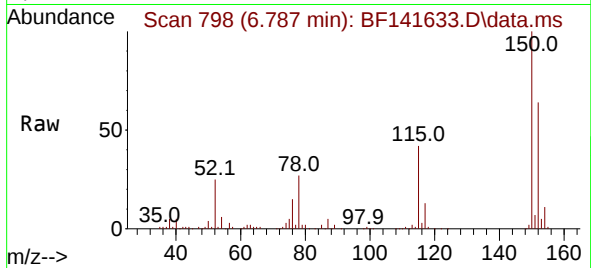




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

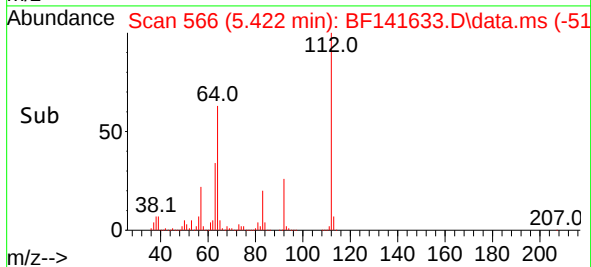
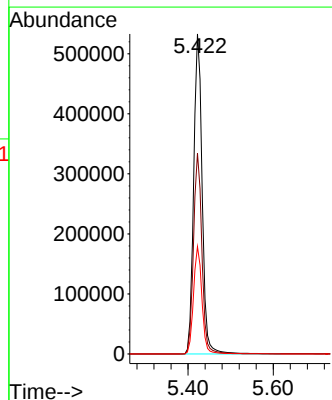
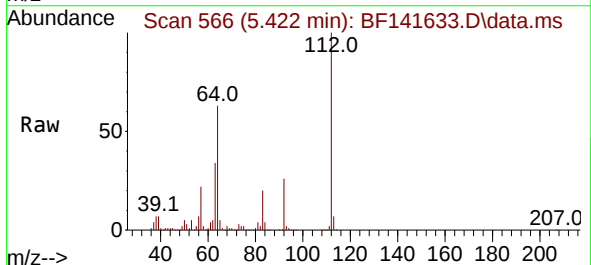
Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-021025

Tgt Ion:152 Resp: 86790
Ion Ratio Lower Upper
152 100
150 157.3 125.0 187.4
115 65.5 53.6 80.4



#5
2-Fluorophenol
Concen: 133.112 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

Tgt Ion:112 Resp: 736906
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 33.5 28.4 42.6

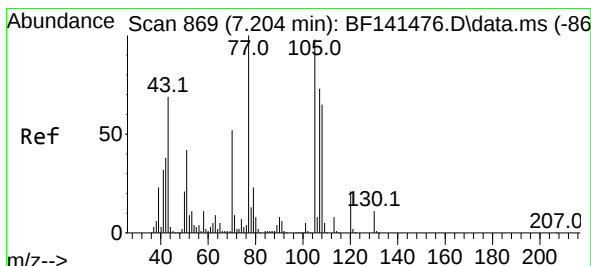
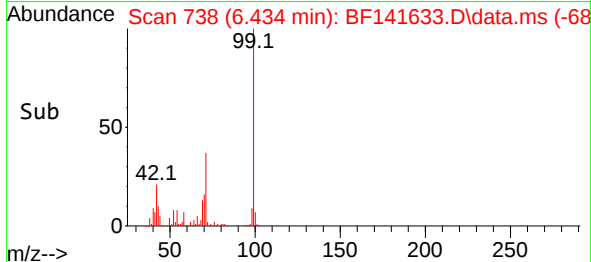
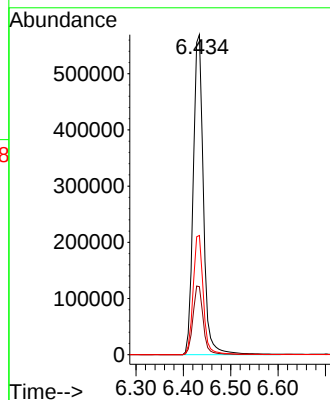
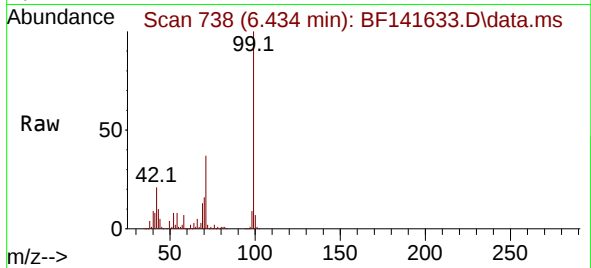




#7
Phenol-d6
Concen: 121.309 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

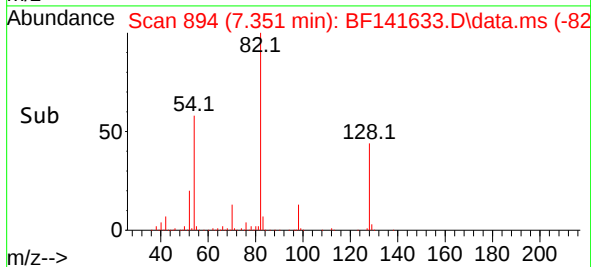
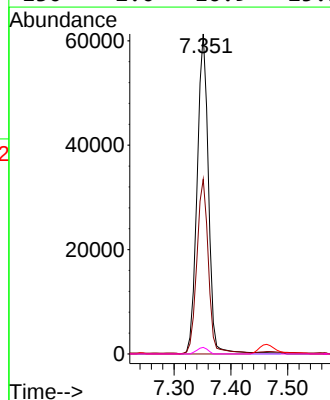
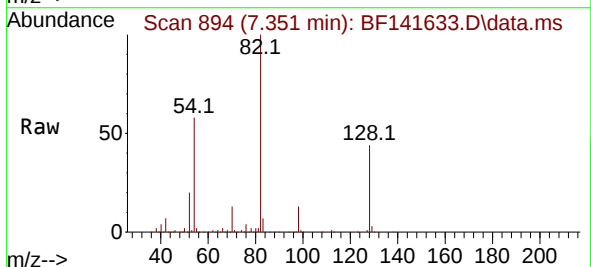
Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-021025

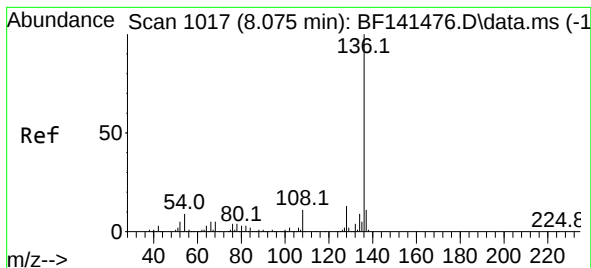
Tgt Ion: 99 Resp: 848800
Ion Ratio Lower Upper
99 100
42 21.2 19.1 28.7
71 37.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.509 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

Tgt Ion: 70 Resp: 85837
Ion Ratio Lower Upper
70 100
42 54.6 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF141633.D

Acq: 14 Feb 2025 12:18

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-021025

Tgt Ion:136 Resp: 356864

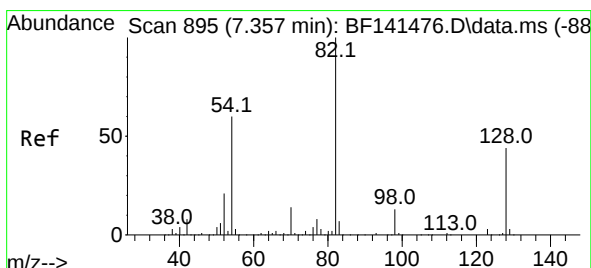
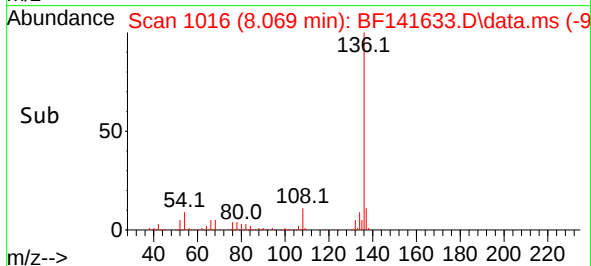
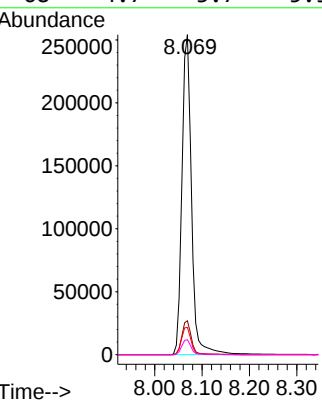
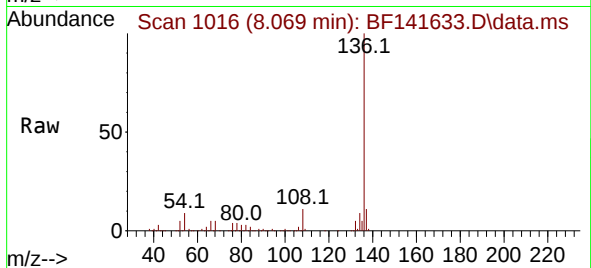
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.5 7.2 10.8

68 4.7 3.7 5.5



#23

Nitrobenzene-d5

Concen: 92.585 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.011 min

Lab File: BF141633.D

Acq: 14 Feb 2025 12:18

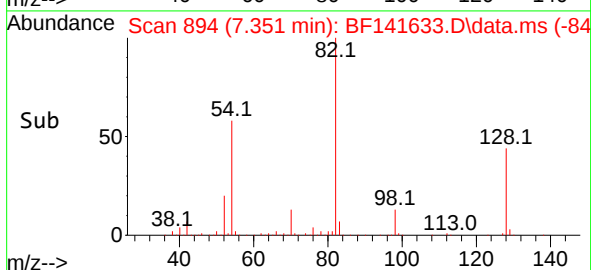
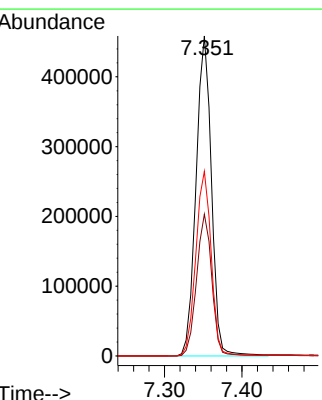
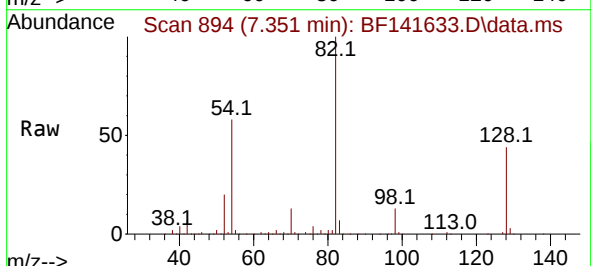
Tgt Ion: 82 Resp: 633459

Ion Ratio Lower Upper

82 100

128 44.3 34.8 52.2

54 57.7 48.2 72.4

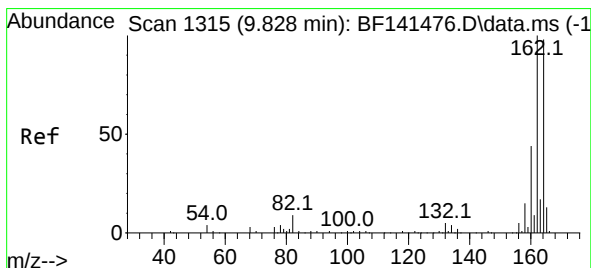
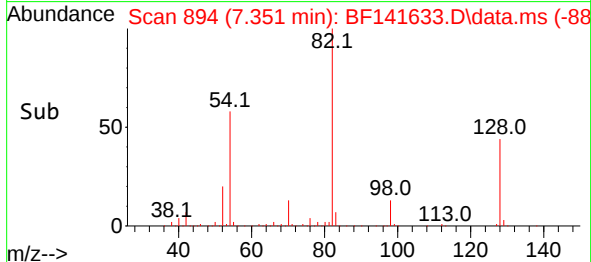
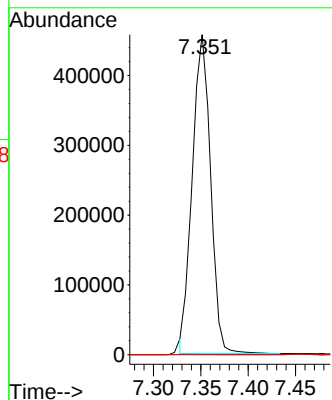
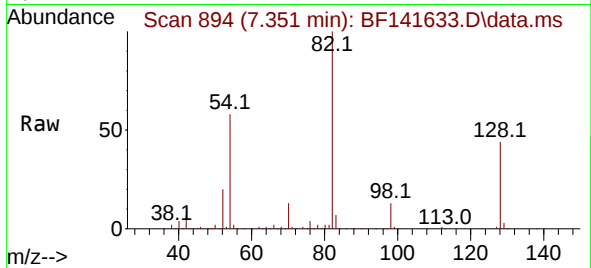




#25
Isophorone
Concen: 56.294 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

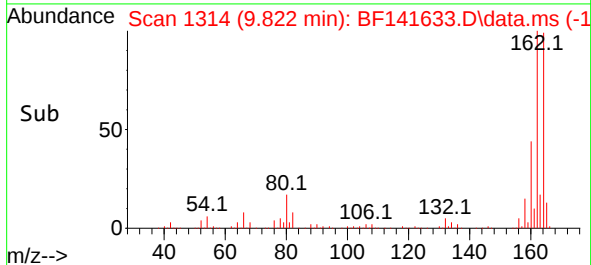
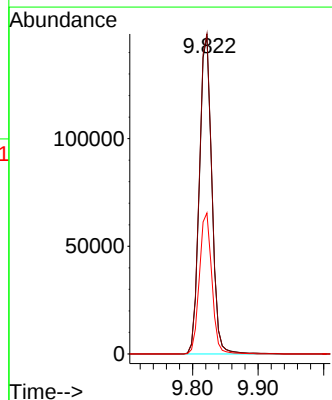
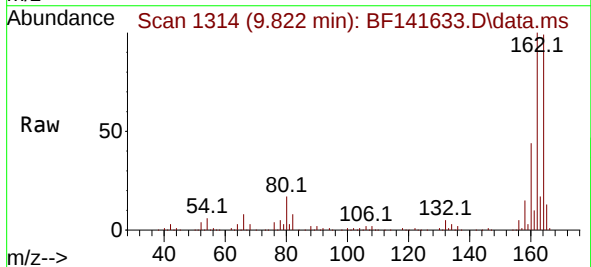
Instrument :
BNA_F
ClientSampleId :
TAP-IDW-SOIL-021025

Tgt Ion: 82 Resp: 614125
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. -0.011 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

Tgt Ion:164 Resp: 194980
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 44.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 140.708 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.011 min

Lab File: BF141633.D

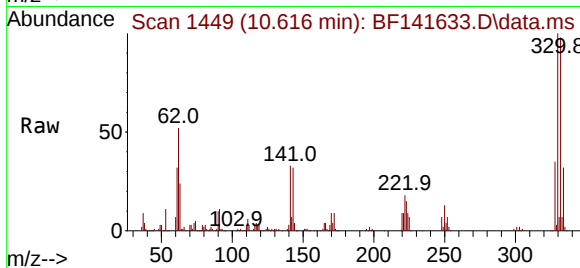
Acq: 14 Feb 2025 12:18

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-021025



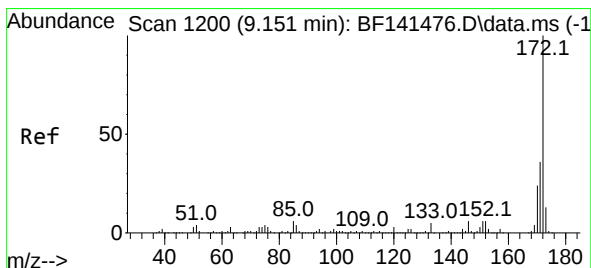
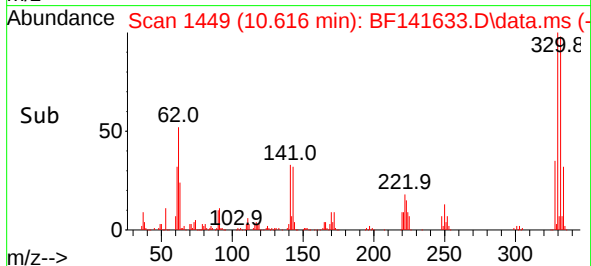
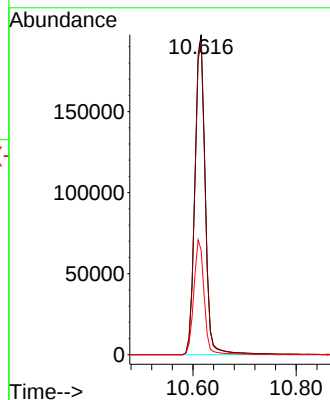
Tgt Ion:330 Resp: 275600

Ion Ratio Lower Upper

330 100

332 97.9 78.5 117.7

141 35.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 92.025 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141633.D

Acq: 14 Feb 2025 12:18

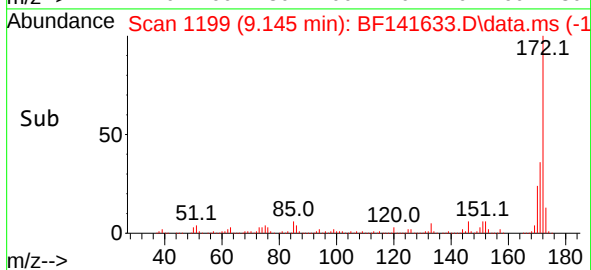
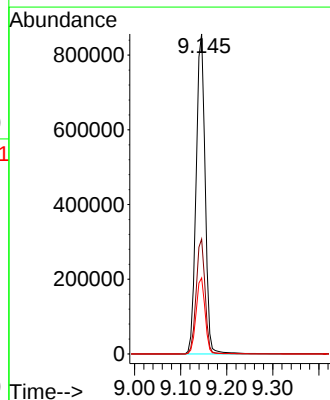
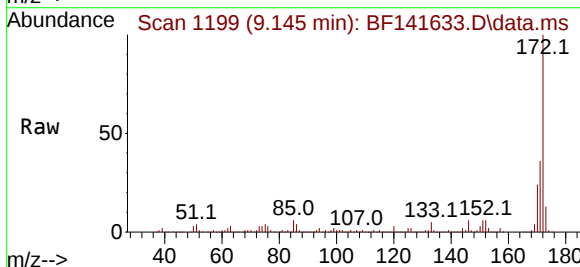
Tgt Ion:172 Resp: 1164642

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.7 18.9 28.3

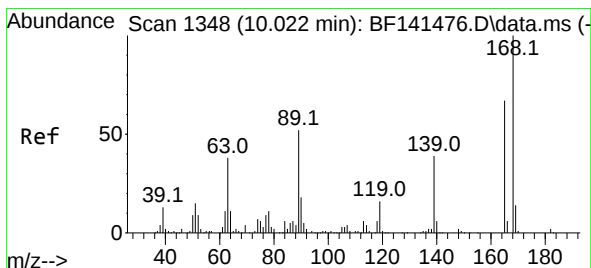
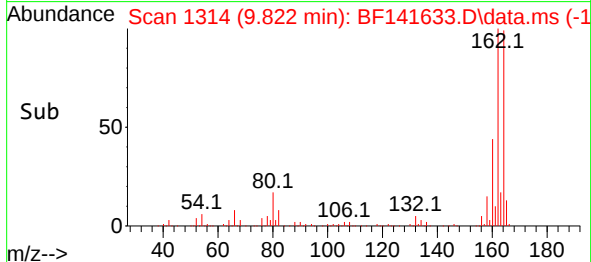
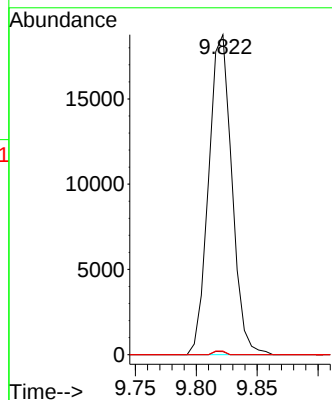
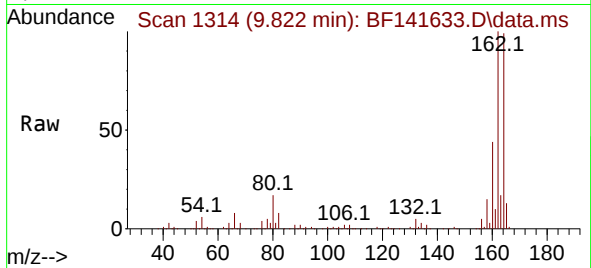




#51
2,6-Dinitrotoluene
Concen: 8.597 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

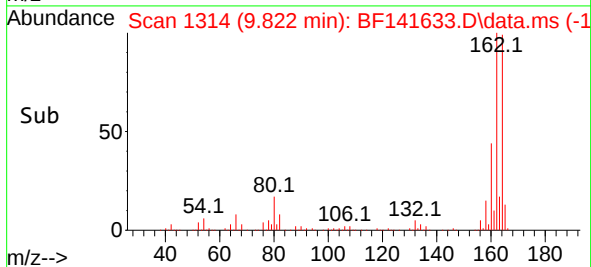
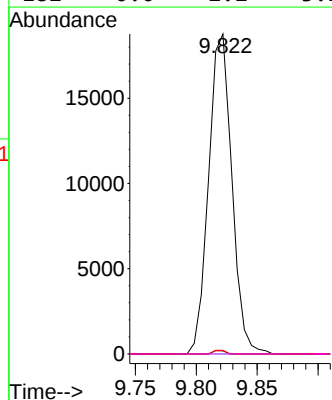
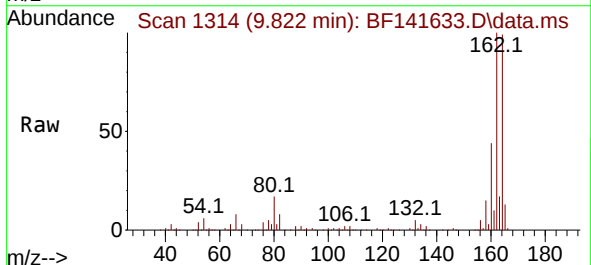
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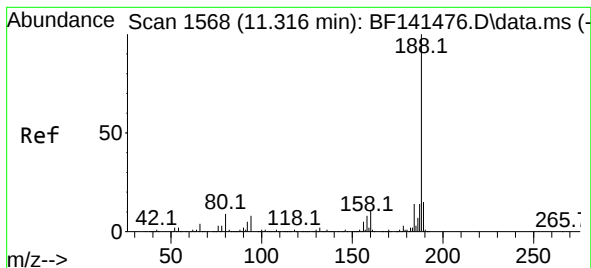
Tgt Ion:165 Resp: 24877
Ion Ratio Lower Upper
165 100
63 0.9 49.4 74.0#
89 1.2 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.458 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF141633.D
Acq: 14 Feb 2025 12:18

Tgt Ion:165 Resp: 24877
Ion Ratio Lower Upper
165 100
63 0.9 46.4 69.6#
89 1.2 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. -0.011 min

Lab File: BF141633.D

Acq: 14 Feb 2025 12:18

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-021025

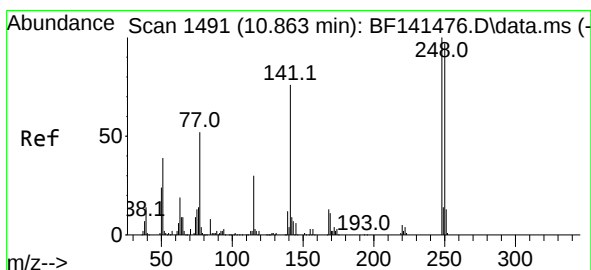
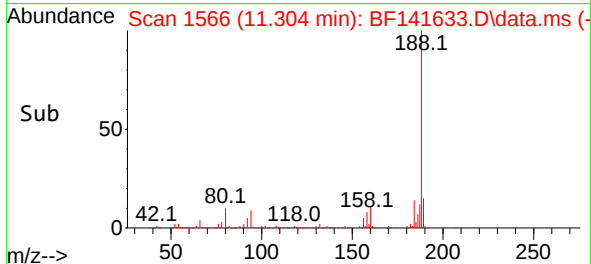
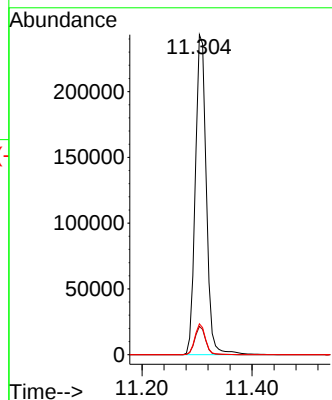
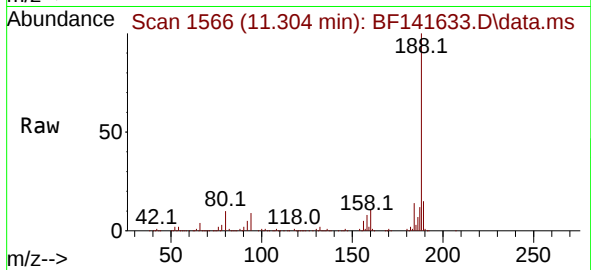
Tgt Ion:188 Resp: 336266

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.7 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.151 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141633.D

Acq: 14 Feb 2025 12:18

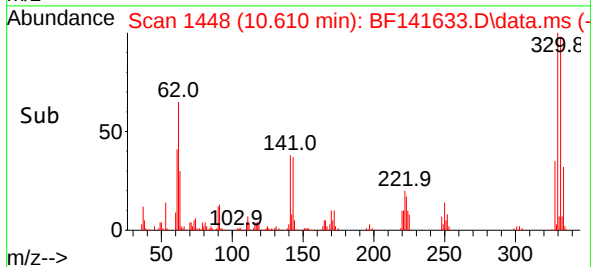
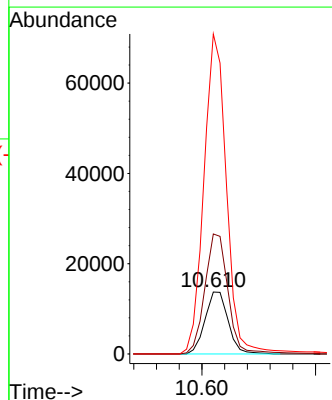
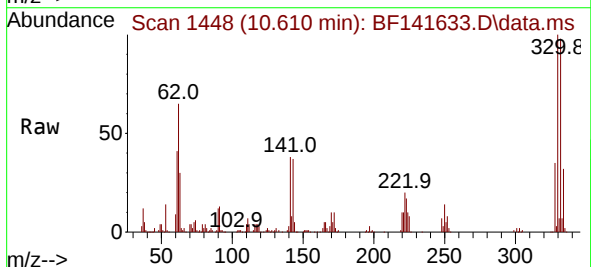
Tgt Ion:248 Resp: 19357

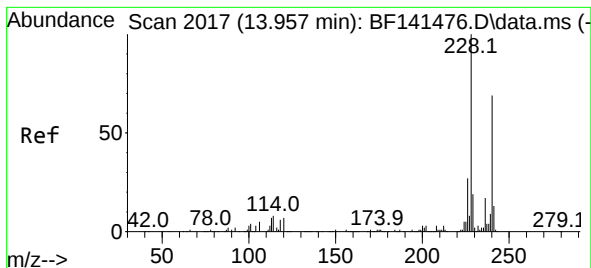
Ion Ratio Lower Upper

248 100

250 193.5 77.8 116.6#

141 516.4 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF141633.D

Acq: 14 Feb 2025 12:18

Instrument :

BNA_F

ClientSampleId :

TAP-IDW-SOIL-021025

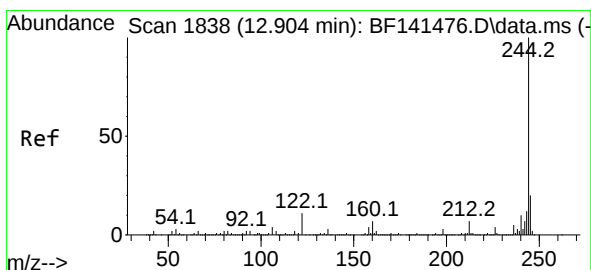
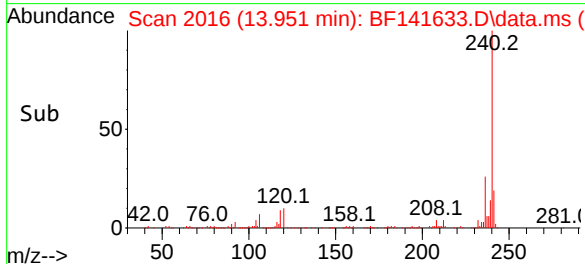
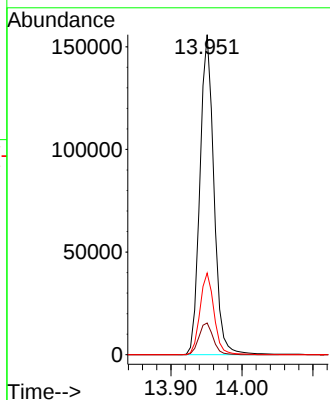
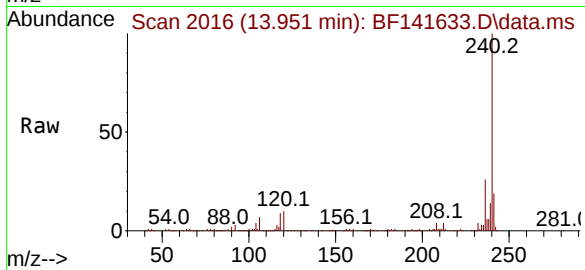
Tgt Ion:240 Resp: 214163

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 25.5 19.8 29.8



#79

Terphenyl-d14

Concen: 103.313 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.011 min

Lab File: BF141633.D

Acq: 14 Feb 2025 12:18

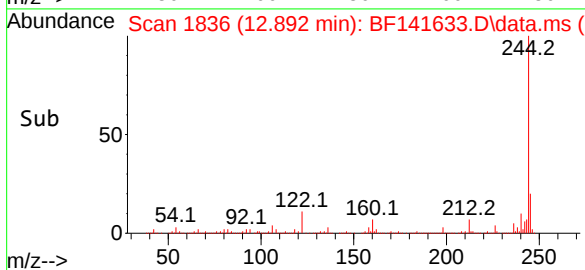
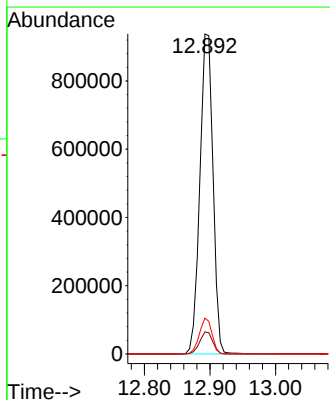
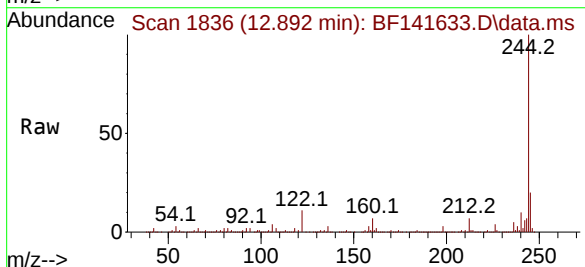
Tgt Ion:244 Resp: 1310634

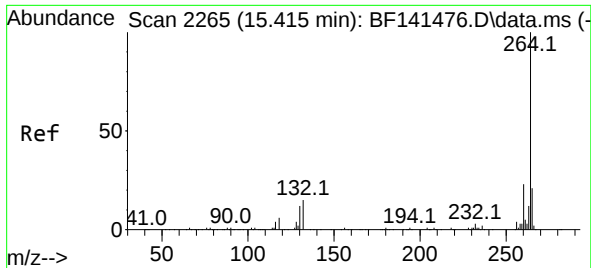
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 11.2 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF141633.D
 Acq: 14 Feb 2025 12:18

Instrument :
 BNA_F
 ClientSampleId :
 TAP-IDW-SOIL-021025

Tgt Ion:264 Resp: 168912
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.9 17.0 25.4

