

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141595.D
 Acq On : 12 Feb 2025 17:28
 Operator : RC/JU
 Sample : Q1344-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Feb 12 21:59:10 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)

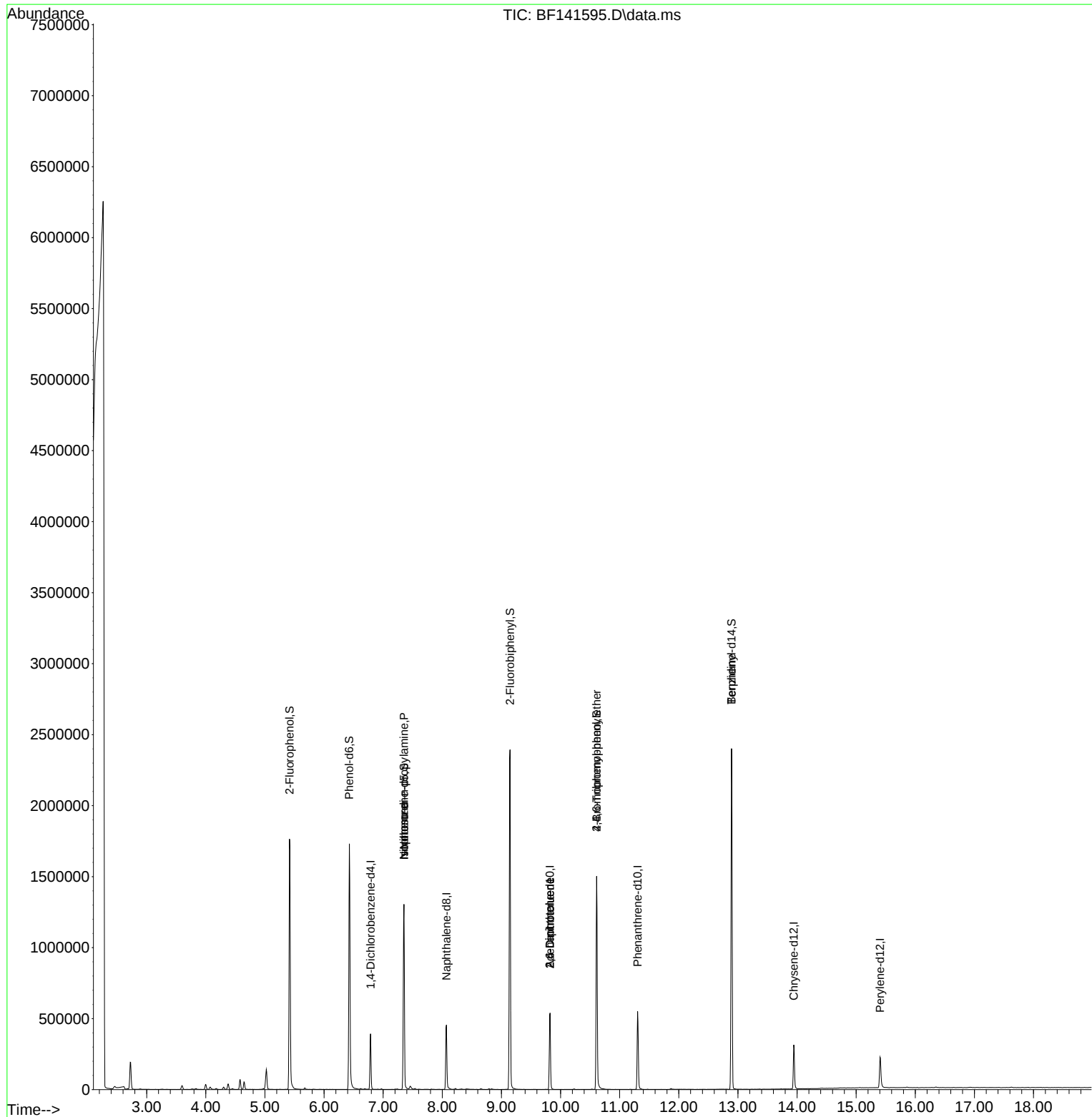
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79915	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	317166	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	172429	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	296607	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	169039	20.000	ng	-0.02
86) Perylene-d12	15.404	264	142837	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	675841	132.584	ng	0.00
7) Phenol-d6	6.428	99	820951	127.422	ng	-0.01
23) Nitrobenzene-d5	7.351	82	596008	98.014	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	252583	145.822	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1108080	99.006	ng	0.00
79) Terphenyl-d14	12.892	244	1210596	120.901	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	78362	20.334	ng	# 74
25) Isophorone	7.351	82	582085	60.035	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	21775	8.509	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	21775	6.392	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	17370	5.240	ng	# 1
77) Benzidine	12.892	184	15865	4.256	ng	# 90

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

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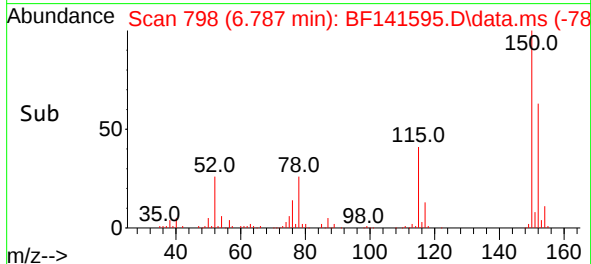
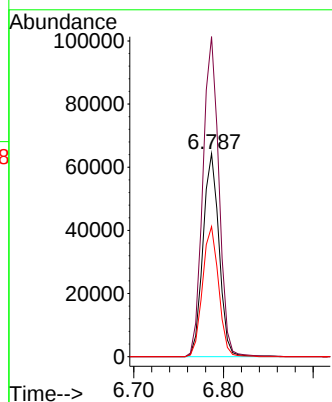
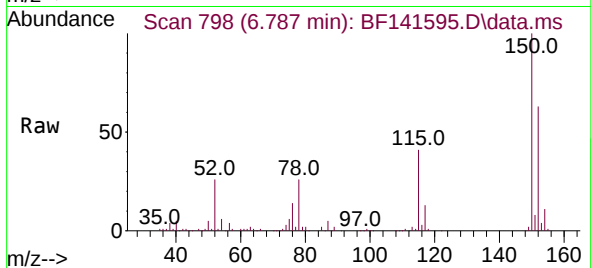




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

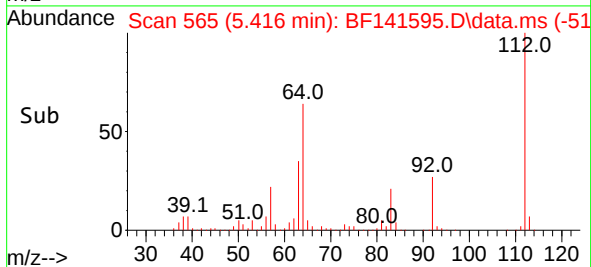
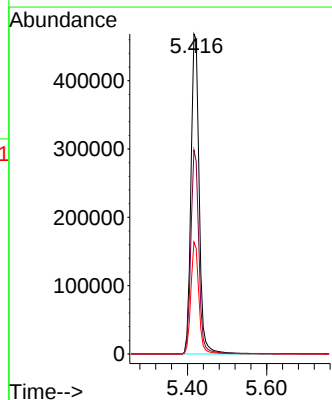
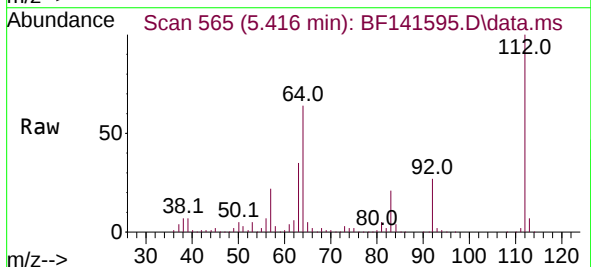
Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:152 Resp: 79915
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 64.1 53.6 80.4



#5
2-Fluorophenol
Concen: 132.584 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

Tgt Ion:112 Resp: 675841
Ion Ratio Lower Upper
112 100
64 63.7 51.1 76.7
63 35.0 28.4 42.6





#7
Phenol-d6
Concen: 127.422 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

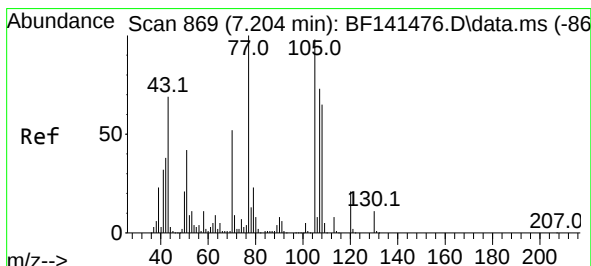
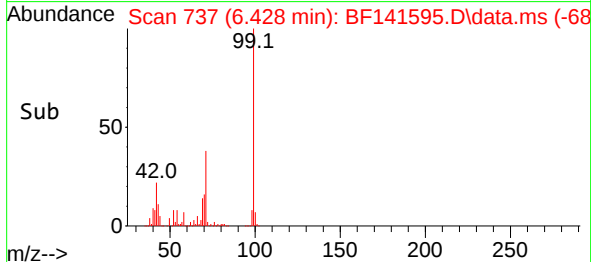
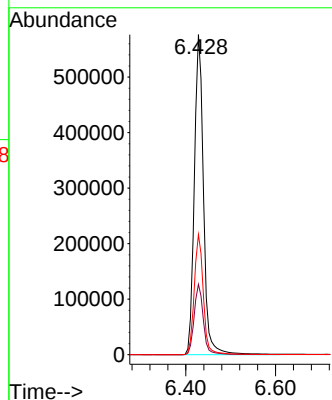
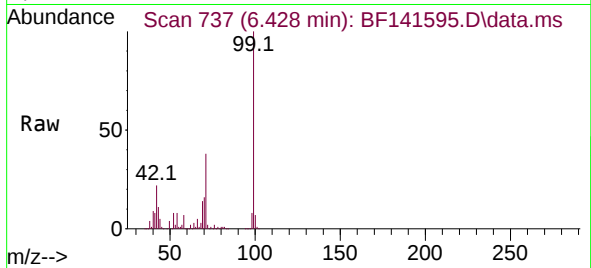
Instrument :

BNA_F

ClientSampleId :

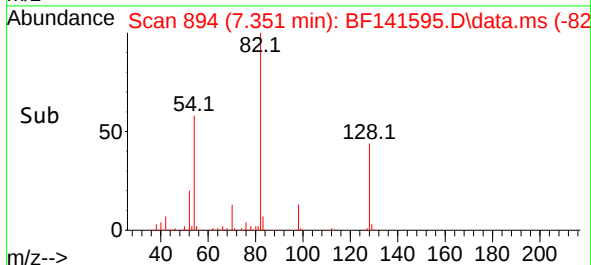
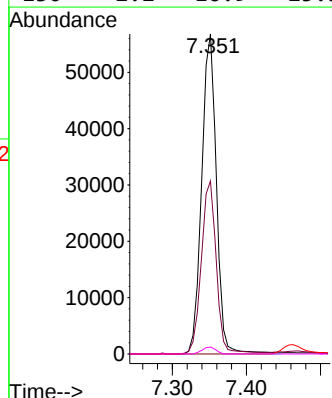
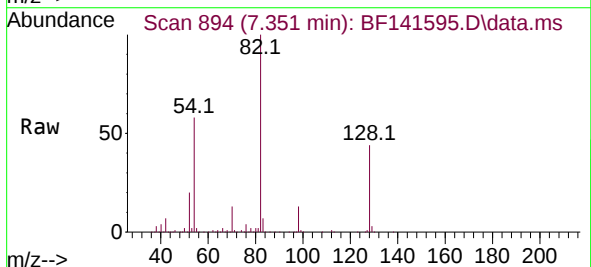
SOIL-2

Tgt Ion: 99 Resp: 820951
Ion Ratio Lower Upper
99 100
42 22.0 19.1 28.7
71 37.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.334 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

Tgt Ion: 70 Resp: 78362
Ion Ratio Lower Upper
70 100
42 54.1 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

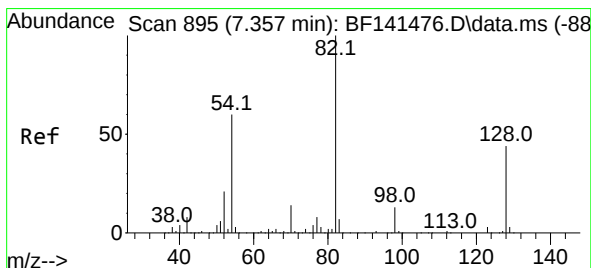
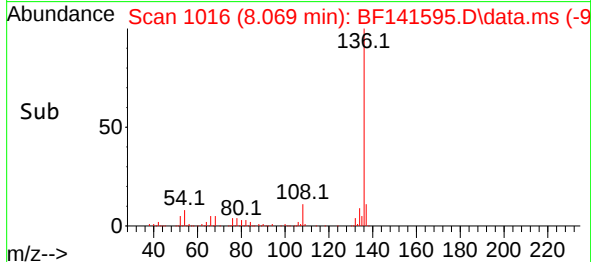
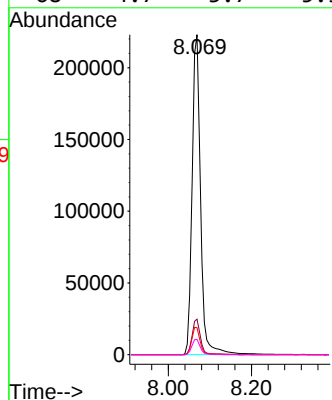
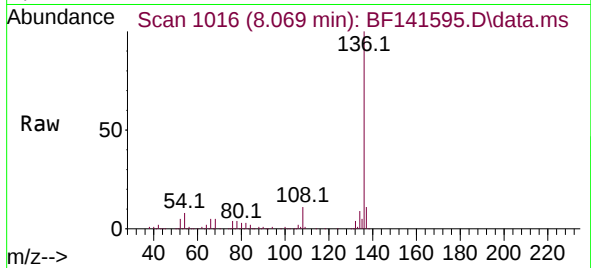




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

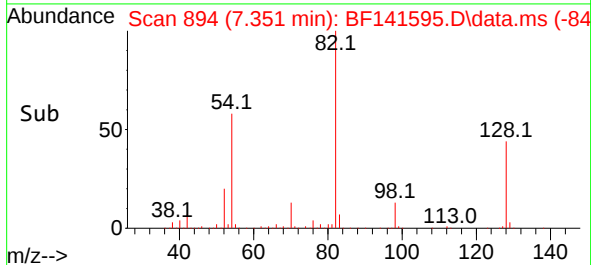
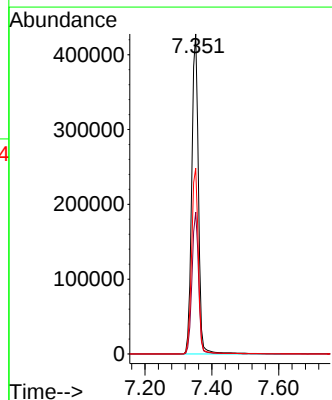
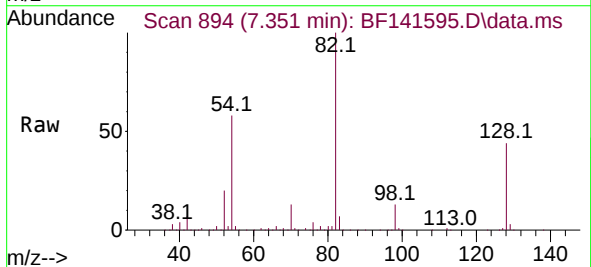
Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:	136	Resp:	317166
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 98.014 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.011 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

Tgt Ion:	82	Resp:	596008
Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.8	52.2
54	58.0	48.2	72.4

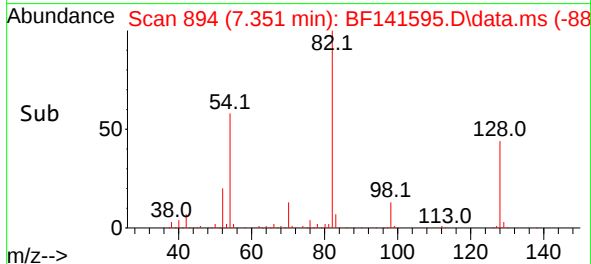
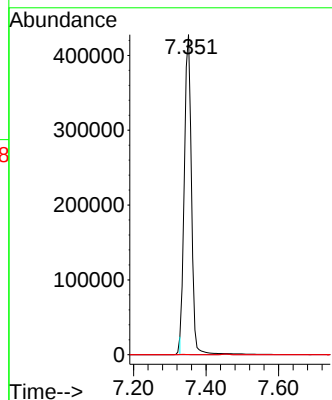
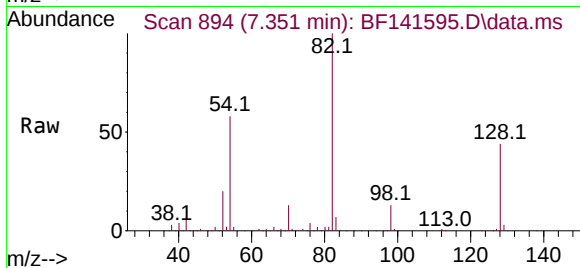




#25
Isophorone
Concen: 60.035 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

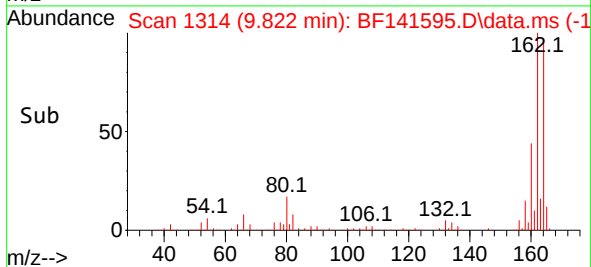
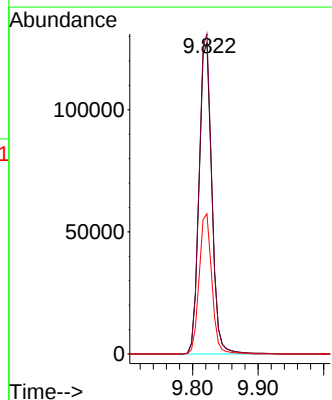
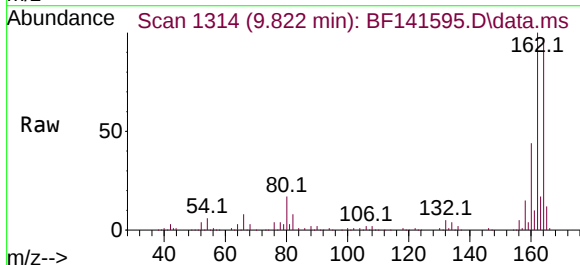
Instrument :
BNA_F
ClientSampleId :
SOIL-2

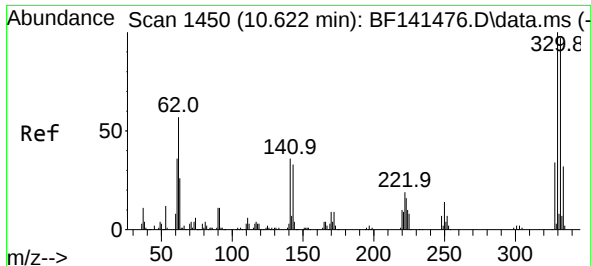
Tgt Ion: 82 Resp: 582085
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.011 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

Tgt Ion: 164 Resp: 172429
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 145.822 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.017 min

Lab File: BF141595.D

Acq: 12 Feb 2025 17:28

Instrument :

BNA_F

ClientSampleId :

SOIL-2

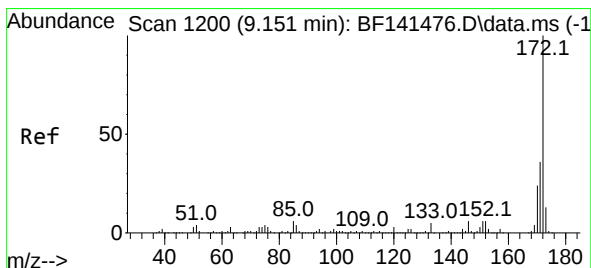
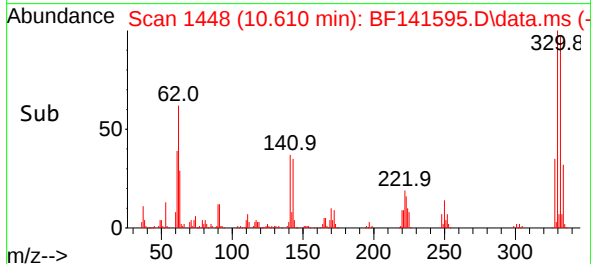
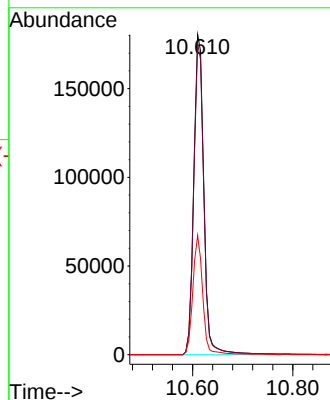
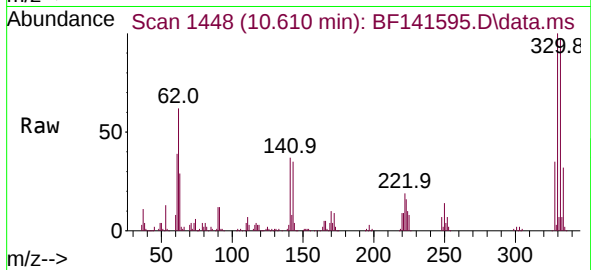
Tgt Ion:330 Resp: 252583

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

141 36.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 99.006 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141595.D

Acq: 12 Feb 2025 17:28

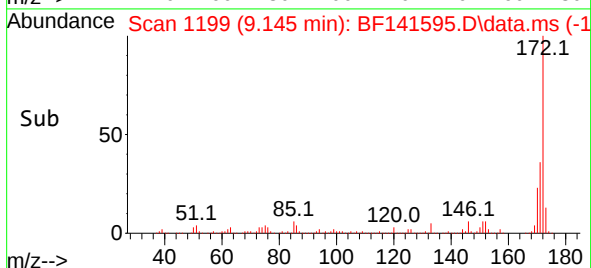
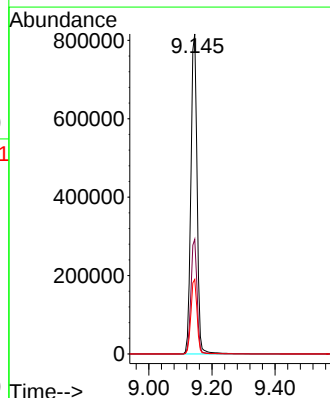
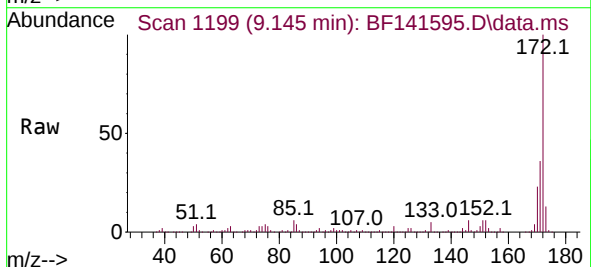
Tgt Ion:172 Resp: 1108080

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.3 18.9 28.3

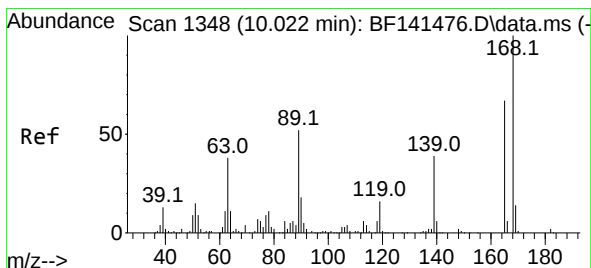
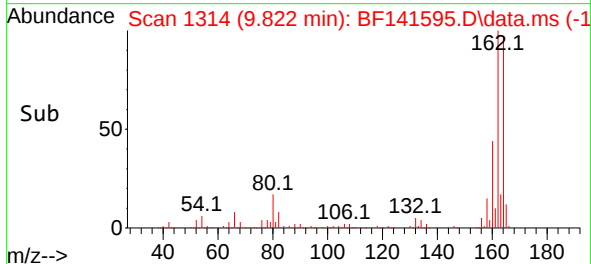
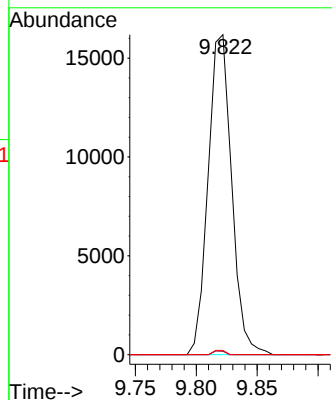
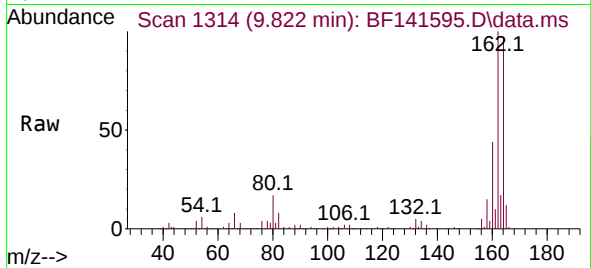




#51
2,6-Dinitrotoluene
Concen: 8.509 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

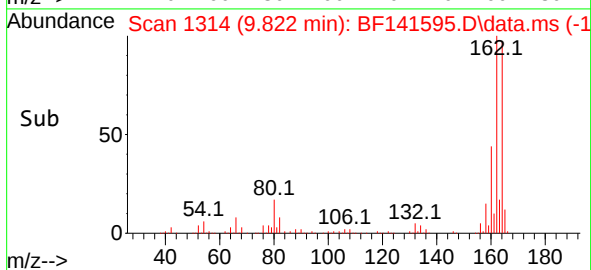
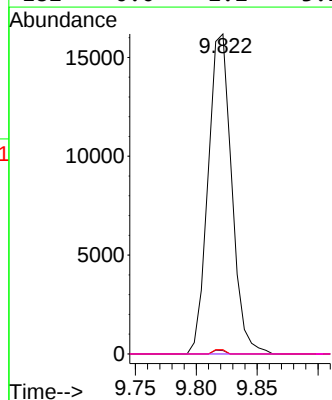
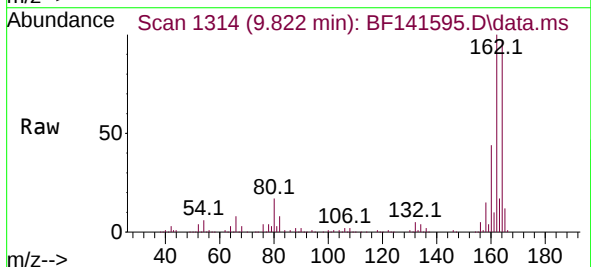
Instrument :
BNA_F
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SOIL-2

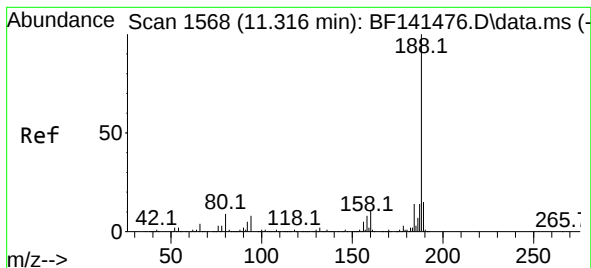
Tgt Ion:165 Resp: 21775
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.4 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.392 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF141595.D
Acq: 12 Feb 2025 17:28

Tgt Ion:165 Resp: 21775
Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 1.4 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: BF141595.D

Acq: 12 Feb 2025 17:28

Instrument :

BNA_F

ClientSampleId :

SOIL-2

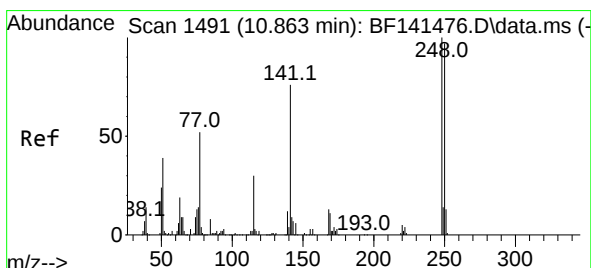
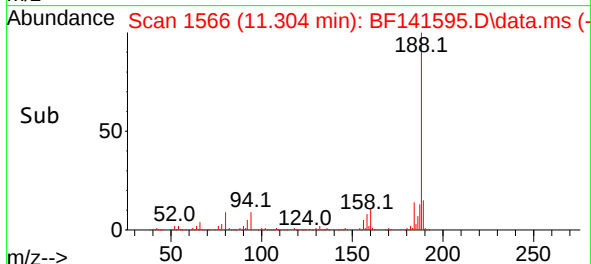
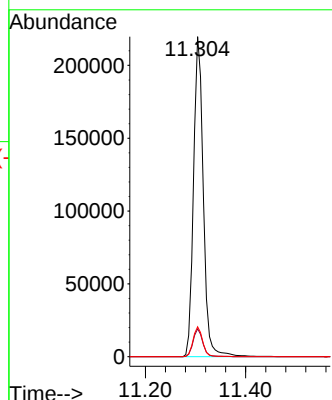
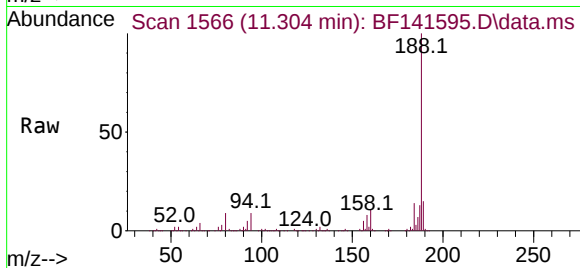
Tgt Ion:188 Resp: 296607

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.240 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141595.D

Acq: 12 Feb 2025 17:28

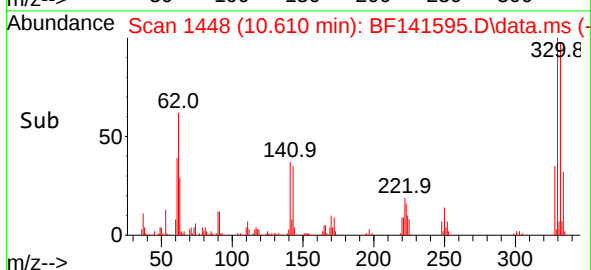
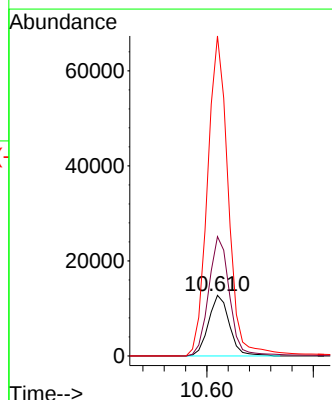
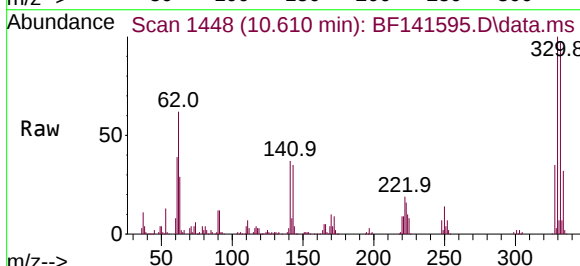
Tgt Ion:248 Resp: 17370

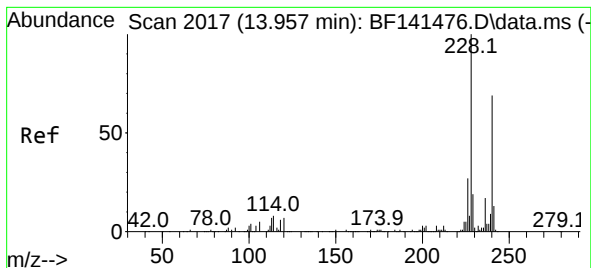
Ion Ratio Lower Upper

248 100

250 196.8 77.8 116.6#

141 527.7 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF141595.D

Acq: 12 Feb 2025 17:28

Instrument :

BNA_F

ClientSampleId :

SOIL-2

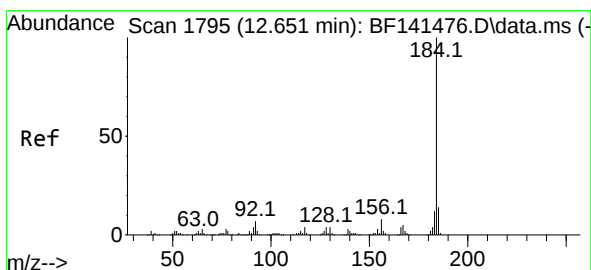
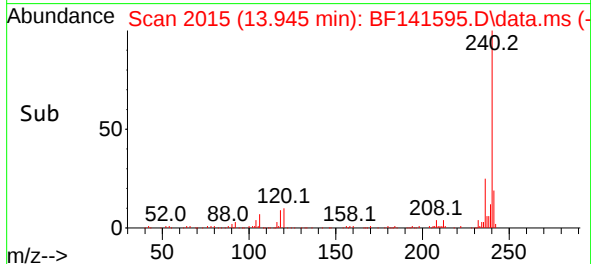
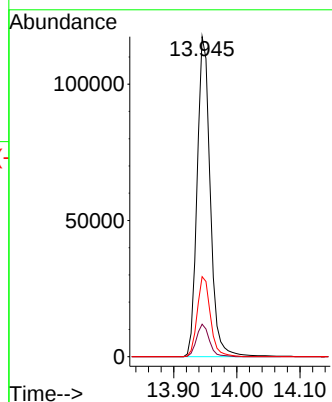
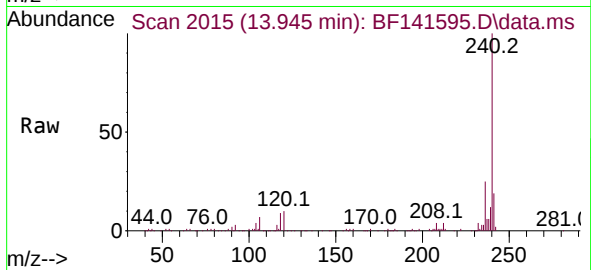
Tgt Ion:240 Resp: 169039

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 25.0 19.8 29.8



#77

Benzdine

Concen: 4.256 ng

RT: 12.892 min Scan# 1836

Delta R.T. 0.236 min

Lab File: BF141595.D

Acq: 12 Feb 2025 17:28

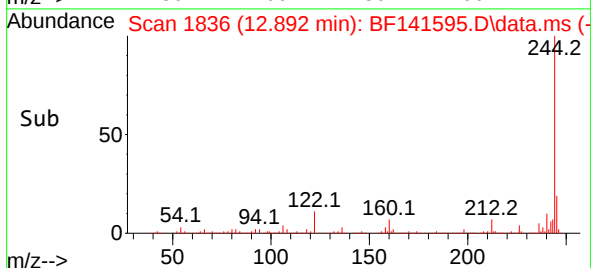
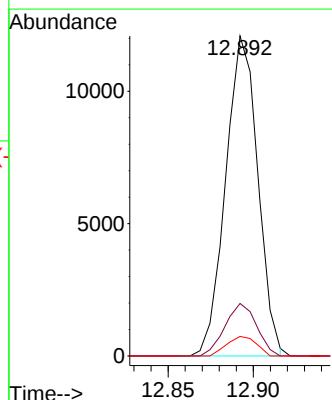
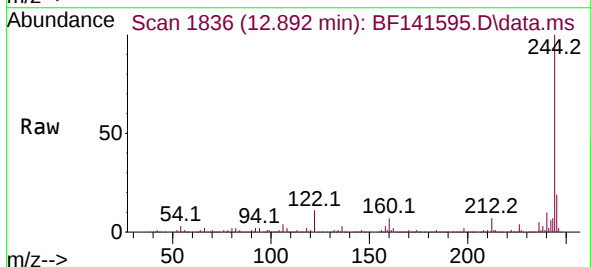
Tgt Ion:184 Resp: 15865

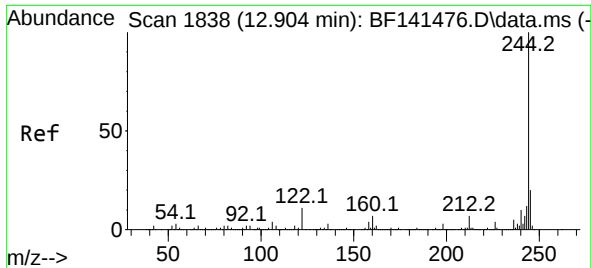
Ion Ratio Lower Upper

184 100

185 16.4 11.3 16.9

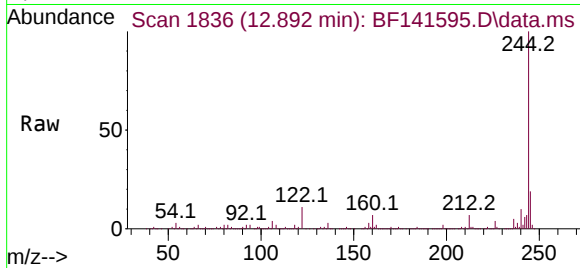
183 6.1 9.3 13.9#



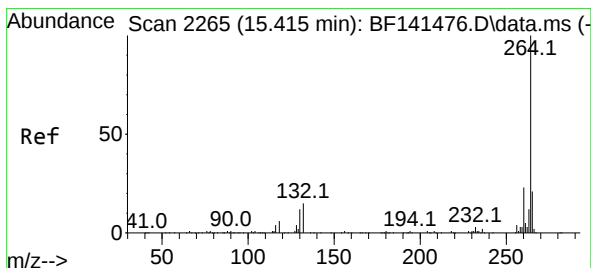
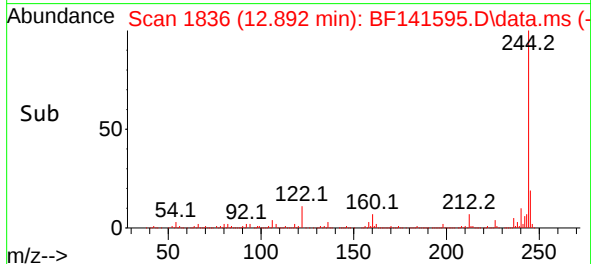
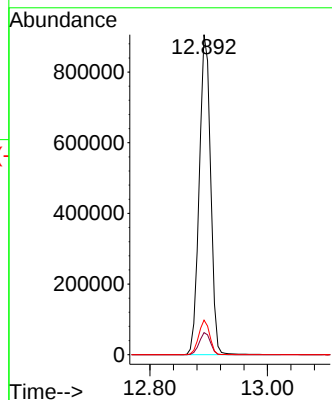


#79
 Terphenyl-d14
 Concen: 120.901 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.011 min
 Lab File: BF141595.D
 Acq: 12 Feb 2025 17:28

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2



Tgt Ion:244 Resp: 1210596
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.8 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2263
 Delta R.T. -0.011 min
 Lab File: BF141595.D
 Acq: 12 Feb 2025 17:28

Tgt Ion:264 Resp: 142837
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.3 17.0 25.4

