

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141619.D
 Acq On : 13 Feb 2025 17:15
 Operator : RC/JU
 Sample : Q1356-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-FB

Quant Time: Feb 13 17:44:07 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)

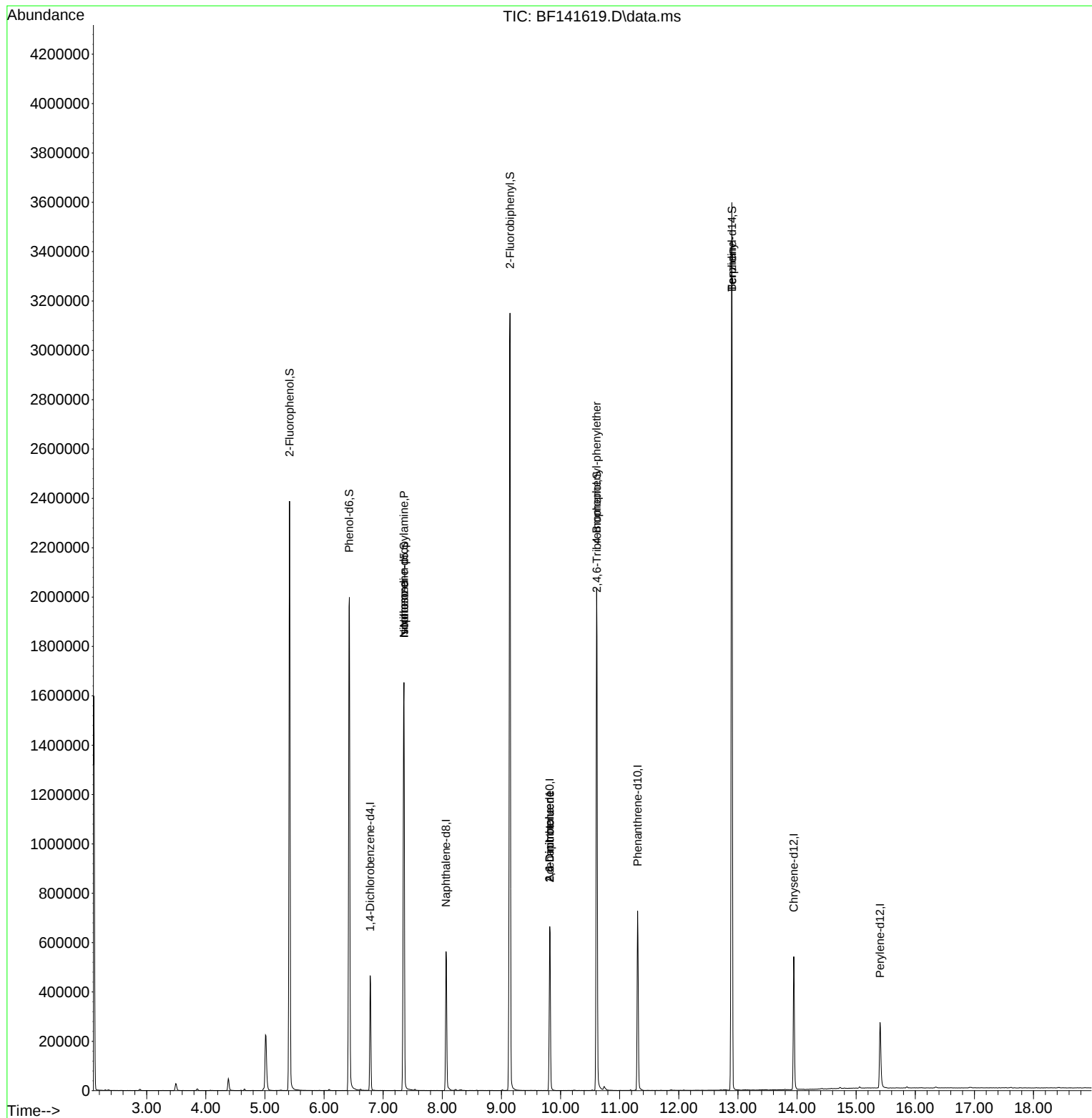
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	97168	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	393970	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	216425	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	395542	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	282195	20.000	ng	-0.02
86) Perylene-d12	15.404	264	160123	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	882427	142.374	ng	0.00
7) Phenol-d6	6.428	99	994397	126.938	ng	-0.01
23) Nitrobenzene-d5	7.351	82	823518	109.027	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	354560	163.085	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1535639	109.316	ng	0.00
79) Terphenyl-d14	12.898	244	1915301	114.579	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	111176	23.726	ng	# 73
25) Isophorone	7.351	82	810511	67.298	ng	# 66
51) 2,6-Dinitrotoluene	9.816	165	27552	8.578	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	27552	6.444	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	24446	5.530	ng	# 1
77) Benzidine	12.898	184	25002	4.017	ng	# 91

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

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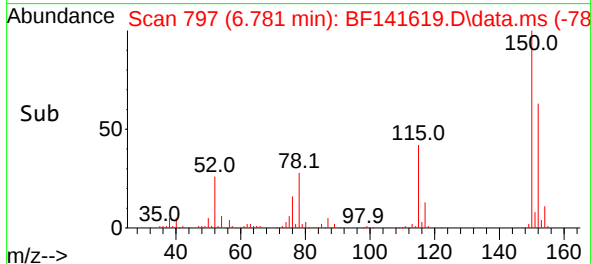
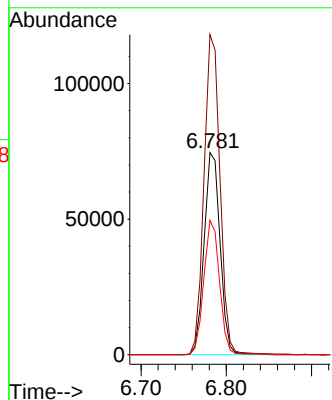
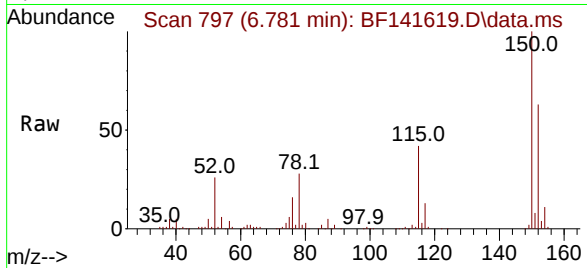




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141619.D
 Acq: 13 Feb 2025 17:15

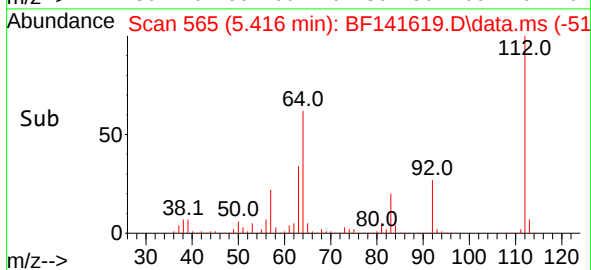
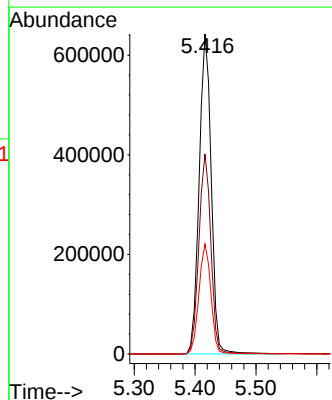
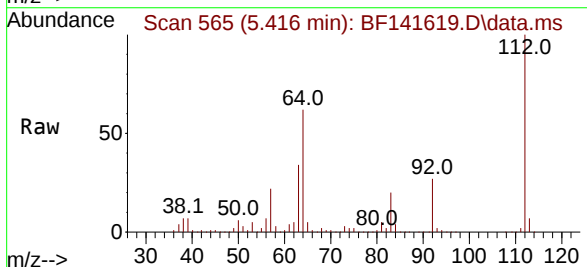
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-FB

Tgt Ion:152 Resp: 97168
 Ion Ratio Lower Upper
 152 100
 150 158.4 125.0 187.4
 115 66.5 53.6 80.4



#5
 2-Fluorophenol
 Concen: 142.374 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141619.D
 Acq: 13 Feb 2025 17:15

Tgt Ion:112 Resp: 882427
 Ion Ratio Lower Upper
 112 100
 64 62.5 51.1 76.7
 63 34.4 28.4 42.6





#7
Phenol-d6
Concen: 126.938 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

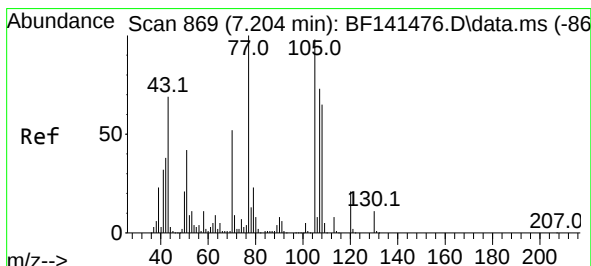
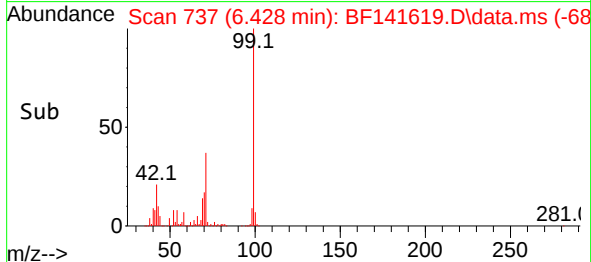
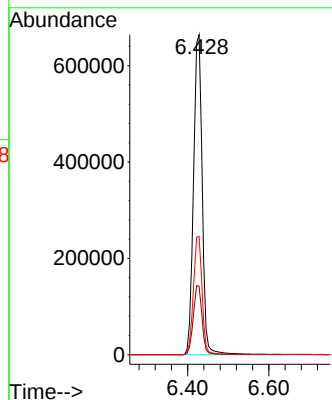
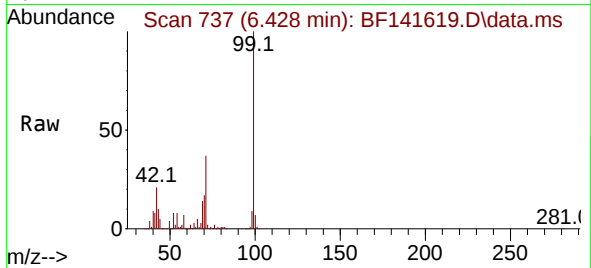
Instrument :

BNA_F

ClientSampleId :

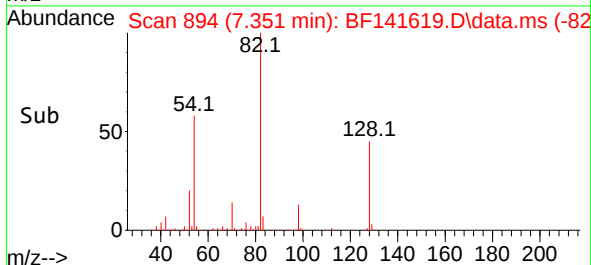
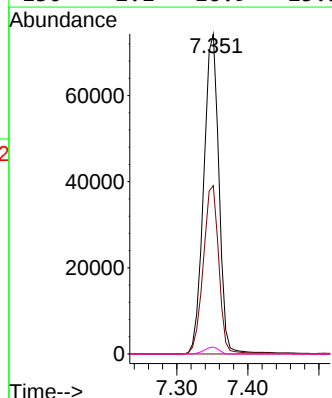
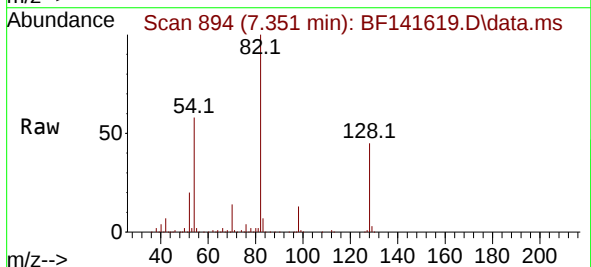
SOIL-FB

Tgt Ion: 99 Resp: 994397
Ion Ratio Lower Upper
99 100
42 21.4 19.1 28.7
71 37.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 23.726 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

Tgt Ion: 70 Resp: 111176
Ion Ratio Lower Upper
70 100
42 52.6 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

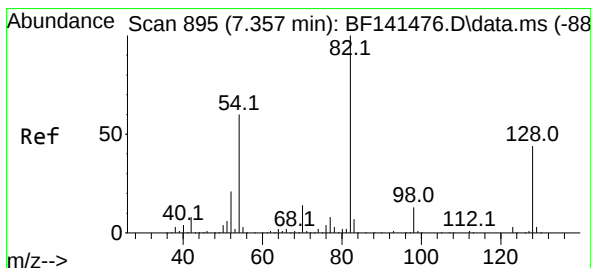
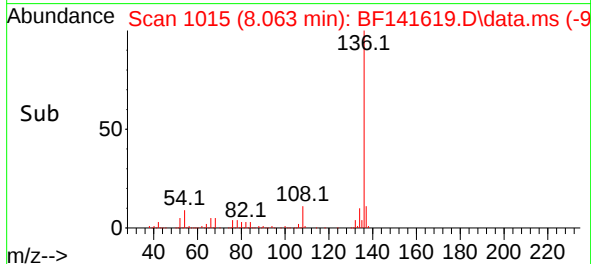
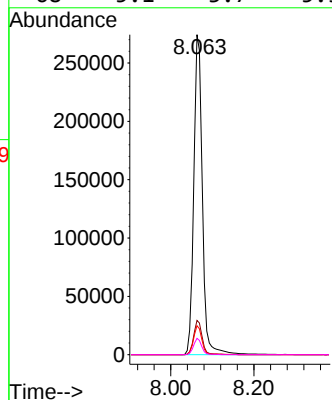
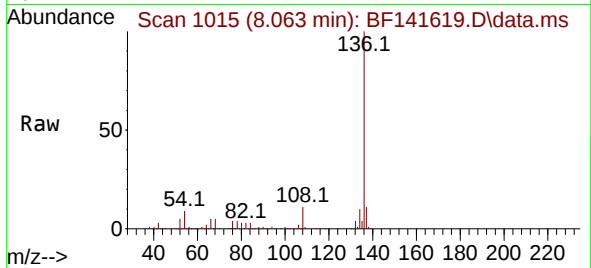




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

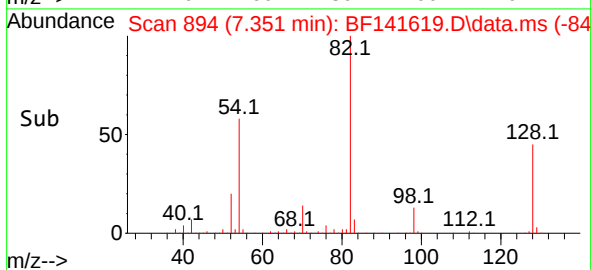
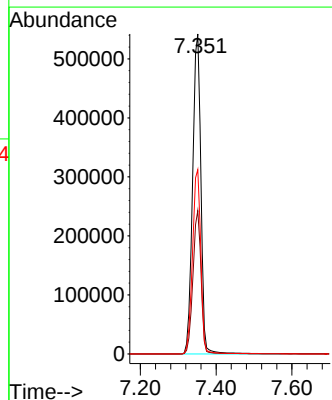
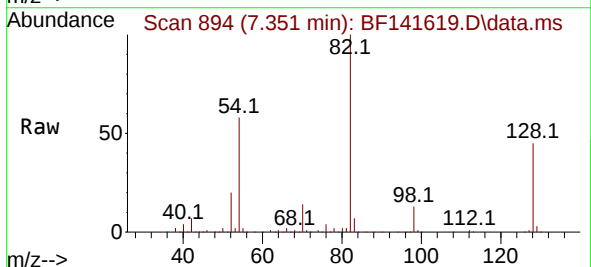
Instrument :
BNA_F
ClientSampleId :
SOIL-FB

Tgt Ion:136 Resp: 393970
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 7.2 10.8
68 5.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 109.027 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

Tgt Ion: 82 Resp: 823518
Ion Ratio Lower Upper
82 100
128 44.8 34.8 52.2
54 57.6 48.2 72.4

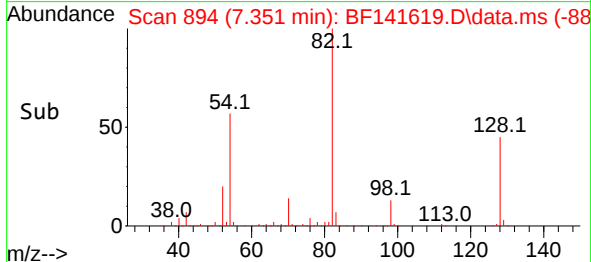
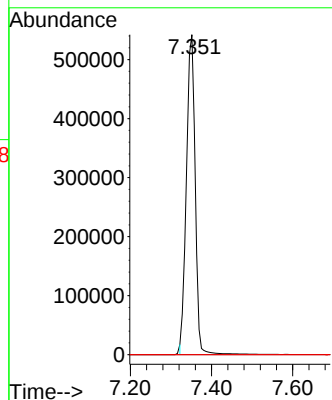
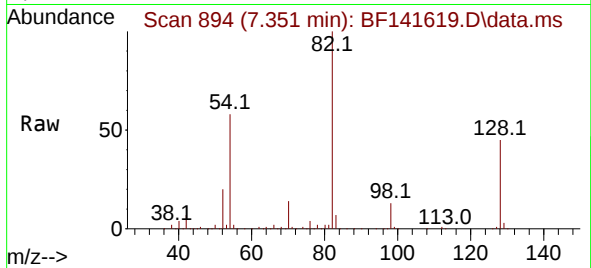




#25
Isophorone
Concen: 67.298 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

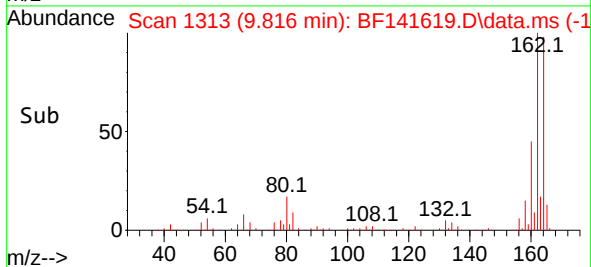
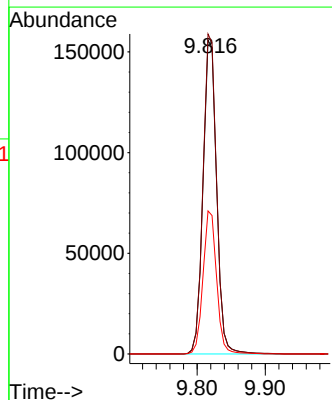
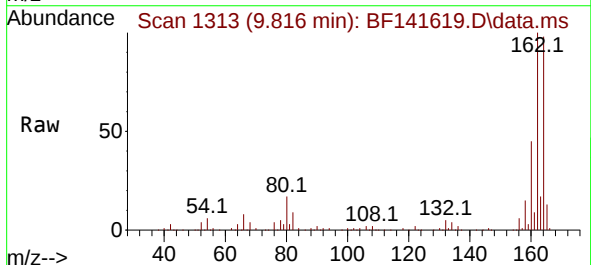
Instrument :
BNA_F
ClientSampleId :
SOIL-FB

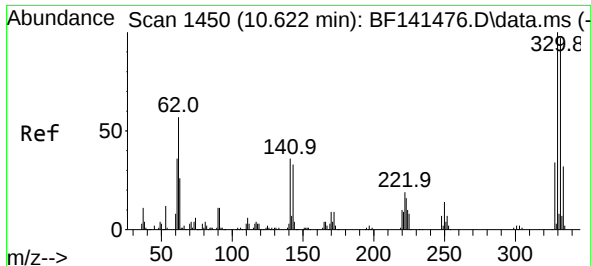
Tgt Ion: 82 Resp: 810511
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

Tgt Ion:164 Resp: 216425
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 45.6 35.9 53.9

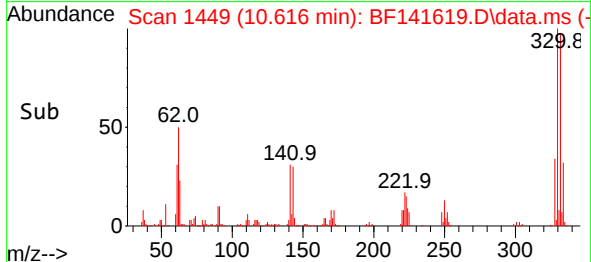
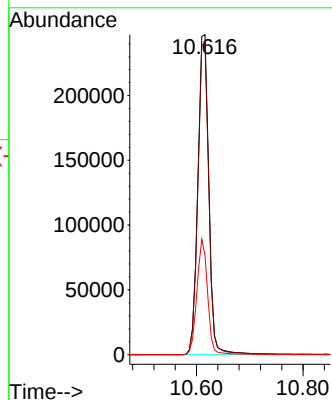
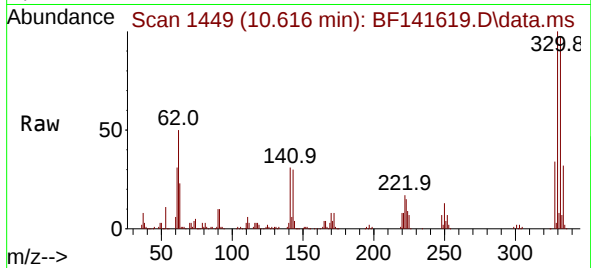




#42
2,4,6-Tribromophenol
Concen: 163.085 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

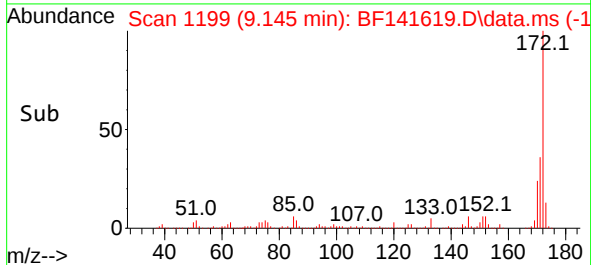
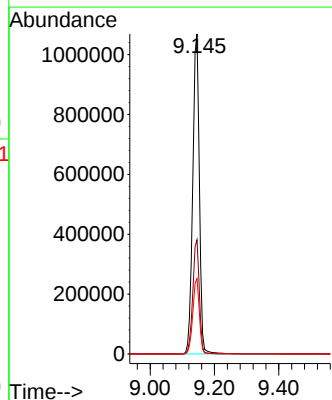
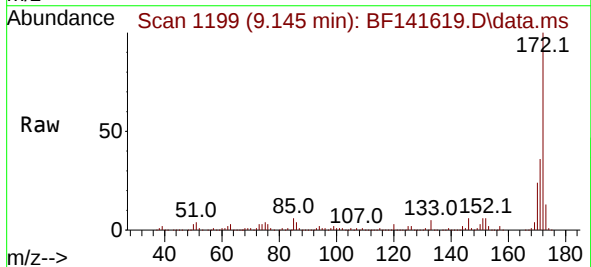
Instrument :
BNA_F
ClientSampleId :
SOIL-FB

Tgt Ion: 330 Resp: 354560
Ion Ratio Lower Upper
330 100
332 97.1 78.5 117.7
141 35.3 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 109.316 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

Tgt Ion: 172 Resp: 1535639
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.5 18.9 28.3

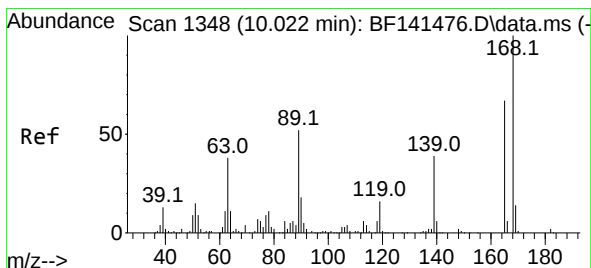
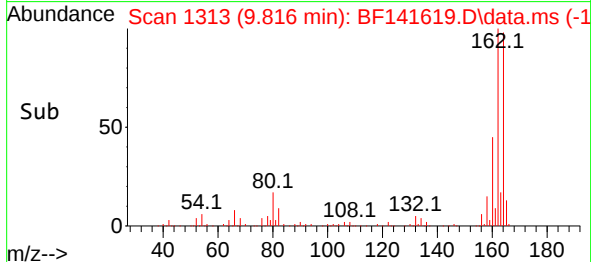
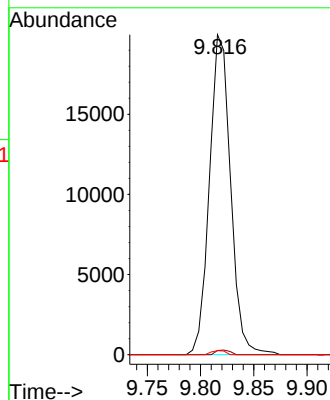
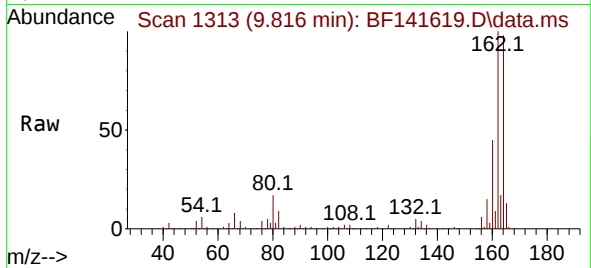




#51
2,6-Dinitrotoluene
Concen: 8.578 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

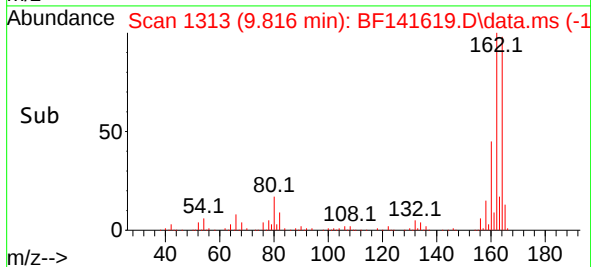
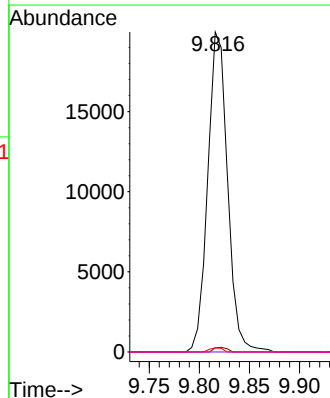
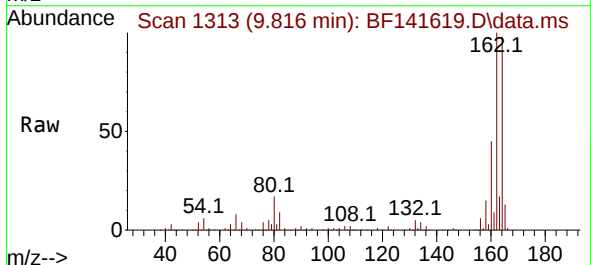
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BNA_F
ClientSampleId :
SOIL-FB

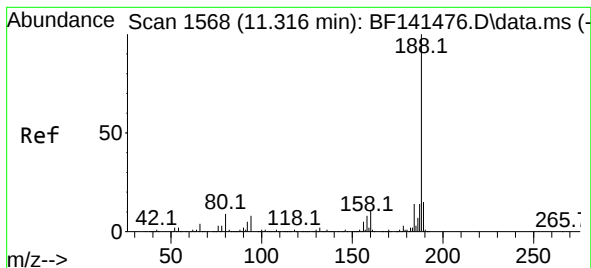
Tgt Ion:165 Resp: 27552
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.444 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.212 min
Lab File: BF141619.D
Acq: 13 Feb 2025 17:15

Tgt Ion:165 Resp: 27552
Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 1.3 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. -0.012 min

Lab File: BF141619.D

Acq: 13 Feb 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SOIL-FB

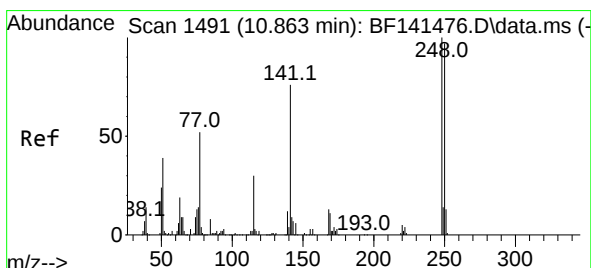
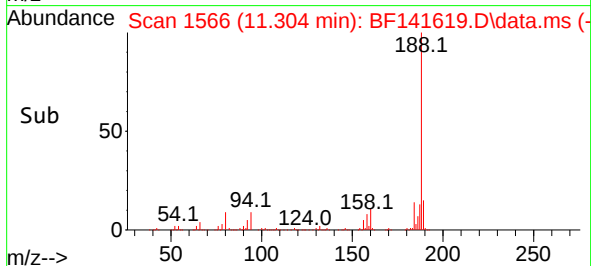
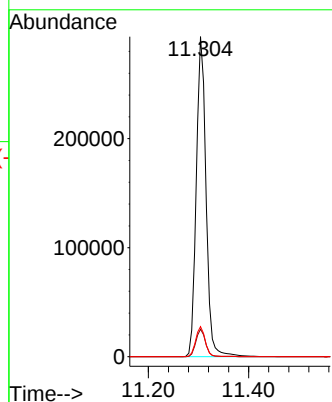
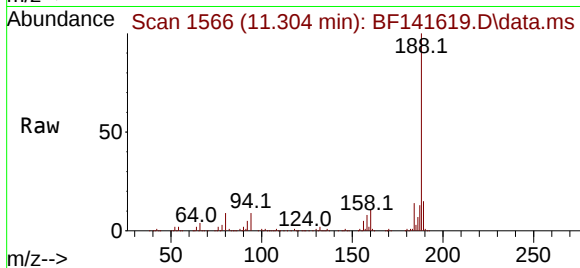
Tgt Ion:188 Resp: 395542

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.4 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.530 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141619.D

Acq: 13 Feb 2025 17:15

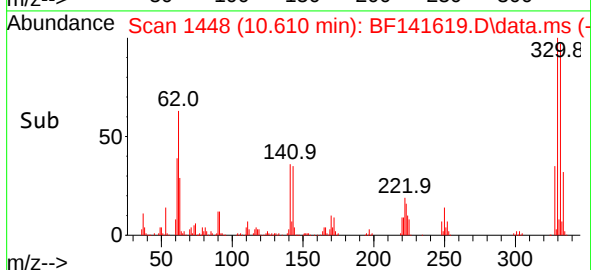
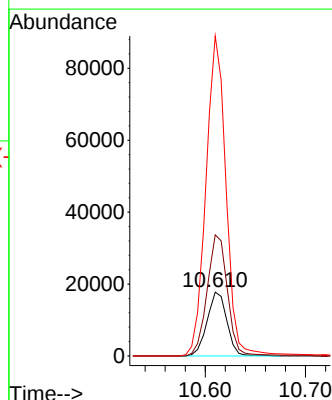
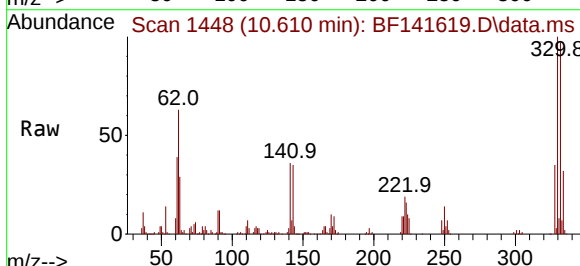
Tgt Ion:248 Resp: 24446

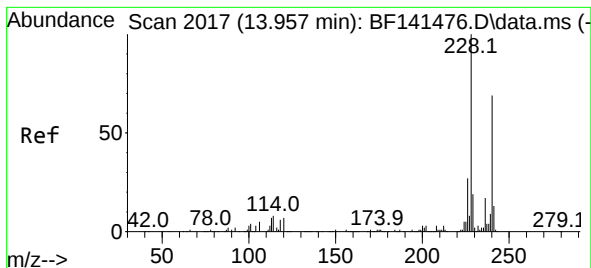
Ion Ratio Lower Upper

248 100

250 189.8 77.8 116.6#

141 501.6 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: BF141619.D

Acq: 13 Feb 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SOIL-FB

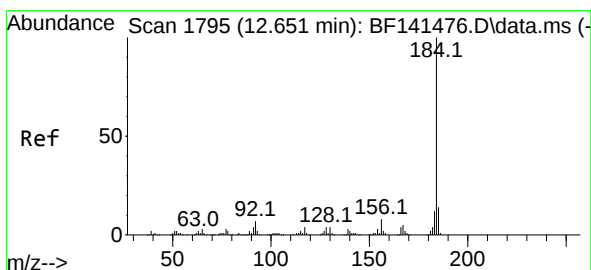
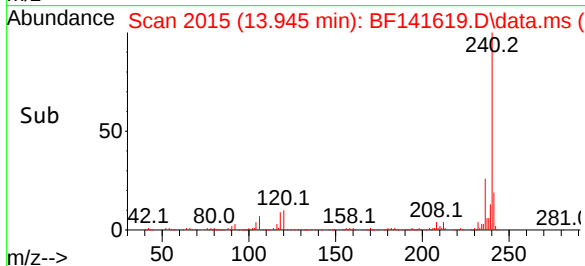
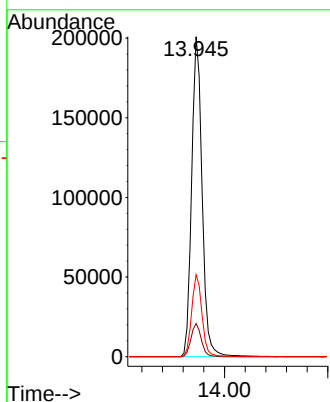
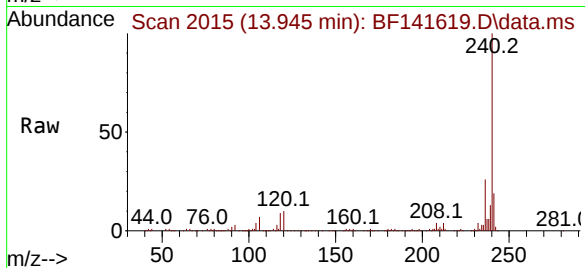
Tgt Ion:240 Resp: 282195

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

236 25.6 19.8 29.8



#77

Benzidine

Concen: 4.017 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141619.D

Acq: 13 Feb 2025 17:15

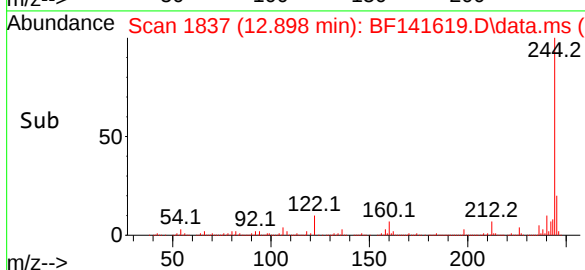
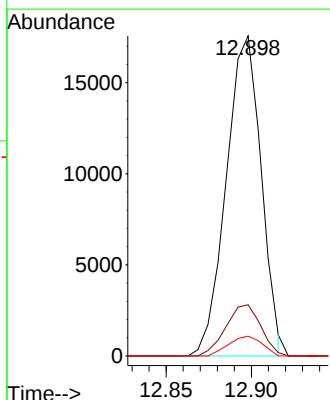
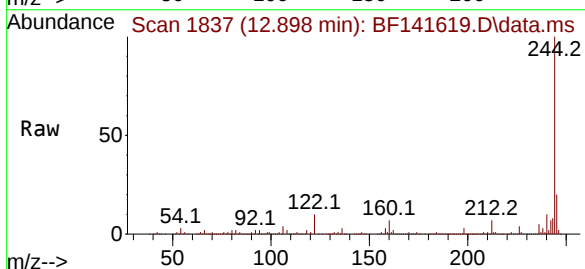
Tgt Ion:184 Resp: 25002

Ion Ratio Lower Upper

184 100

185 16.0 11.3 16.9

183 6.2 9.3 13.9#

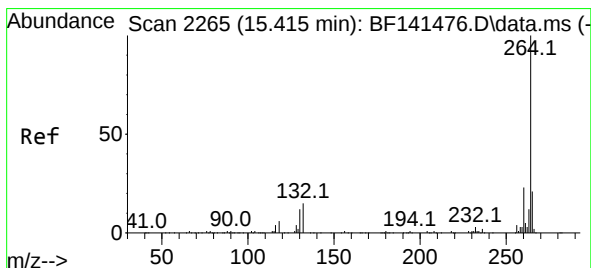
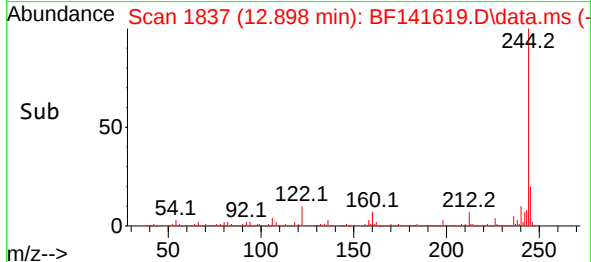
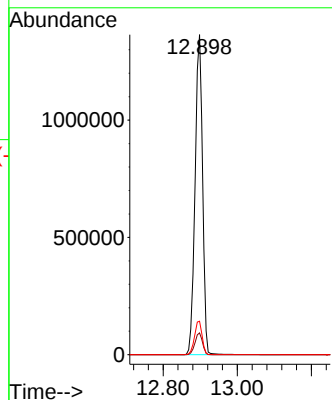
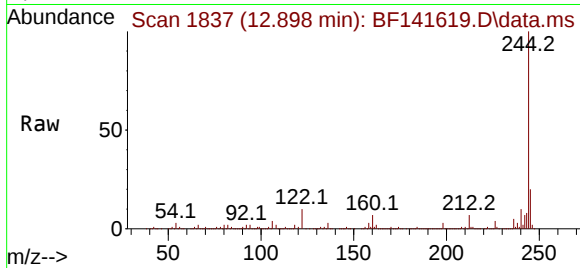




#79
 Terphenyl-d14
 Concen: 114.579 ng
 RT: 12.898 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF141619.D
 Acq: 13 Feb 2025 17:15

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-FB

Tgt Ion:244 Resp: 1915301
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.5 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2263
 Delta R.T. -0.012 min
 Lab File: BF141619.D
 Acq: 13 Feb 2025 17:15

Tgt Ion:264 Resp: 160123
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 28.0
 265 20.0 17.0 25.4

