

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127058.D
 Acq On : 24 Feb 2022 15:40
 Operator : CG\JU
 Sample : N1650-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)

Quant Time: Feb 24 16:33:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

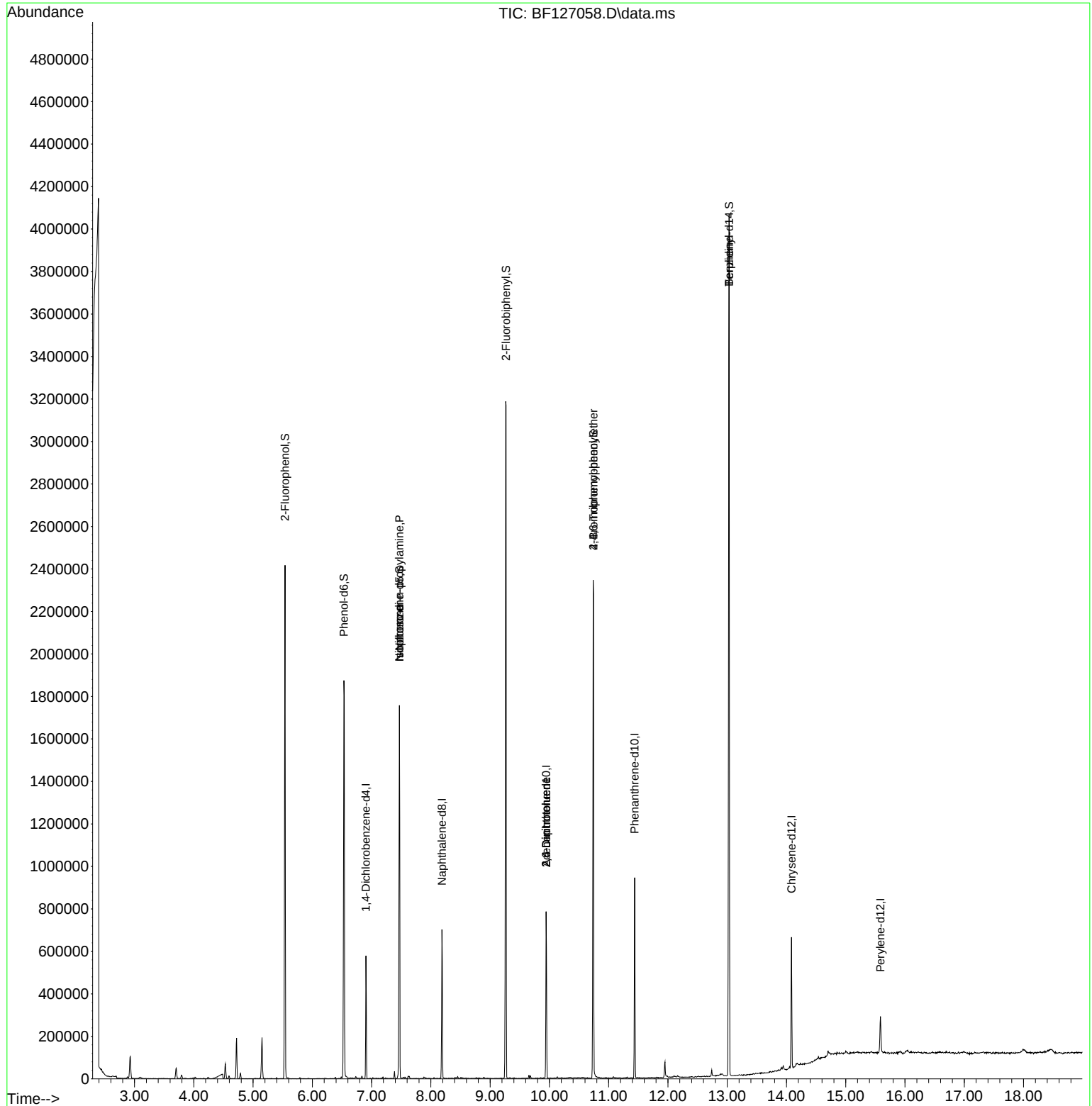
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	66716	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	277350	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	144052	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	282972	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	179678	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	56285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	534429	123.808	ng	0.01
7) Phenol-d6	6.534	99	630142	108.186	ng	0.00
23) Nitrobenzene-d5	7.469	82	570573	92.858	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	295809	178.353	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	1000162	102.213	ng	0.00
79) Terphenyl-d14	13.033	244	1354971	110.857	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.469	70	81409	21.691	ng	# 82
25) Isophorone	7.469	82	569542	56.015	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	18817	8.982	ng	# 22
57) 2,4-Dinitrotoluene	9.945	165	18817	6.643	ng	# 16
67) 4-Bromophenyl-phenylether	10.745	248	17973	5.685	ng	# 1
77) Benzidine	13.033	184	20213	4.140	ng	# 95

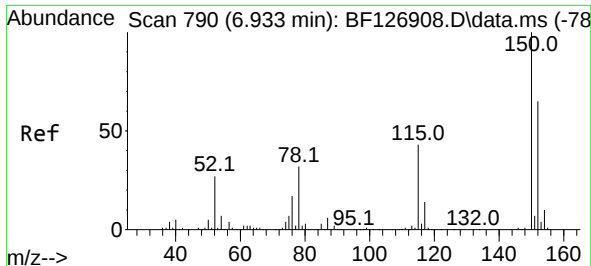
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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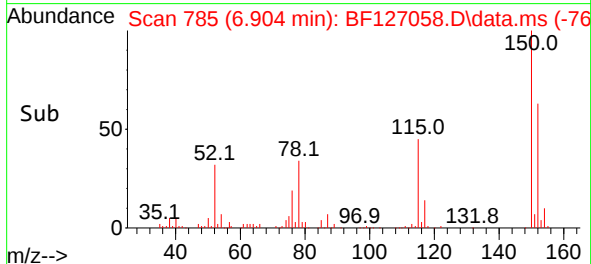
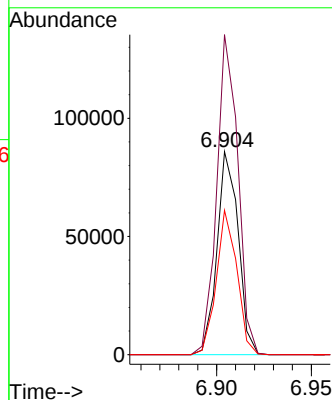
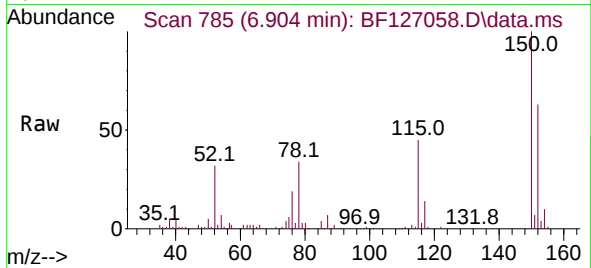




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

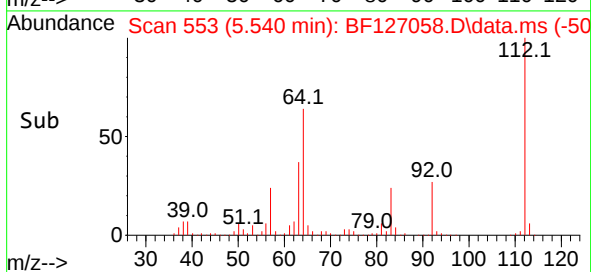
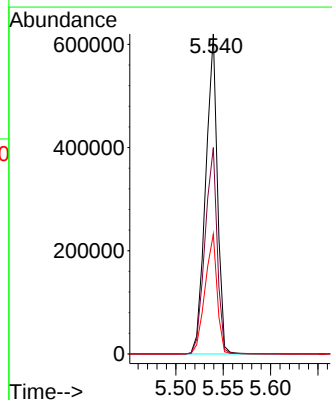
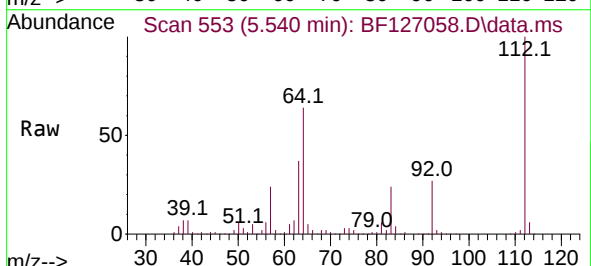
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion:152 Resp: 66716
Ion Ratio Lower Upper
152 100
150 157.5 128.1 192.1
115 71.0 56.7 85.1



#5
2-Fluorophenol
Concen: 123.808 ng
RT: 5.540 min Scan# 553
Delta R.T. 0.012 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

Tgt Ion:112 Resp: 534429
Ion Ratio Lower Upper
112 100
64 64.5 49.5 74.3
63 37.4 23.9 35.9#

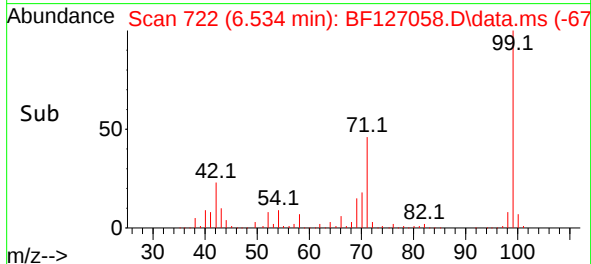
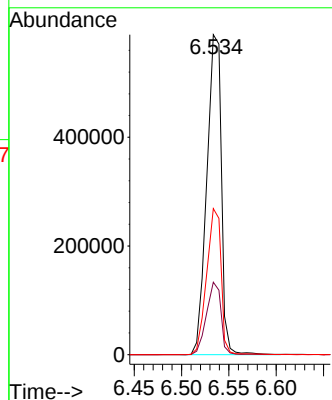
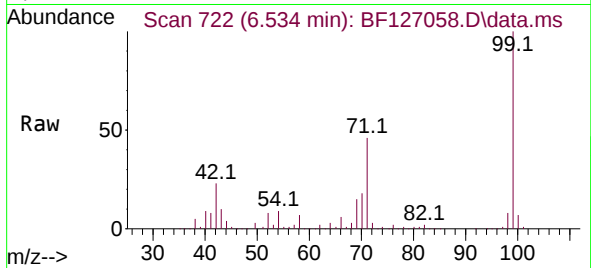




#7
Phenol-d6
Concen: 108.186 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

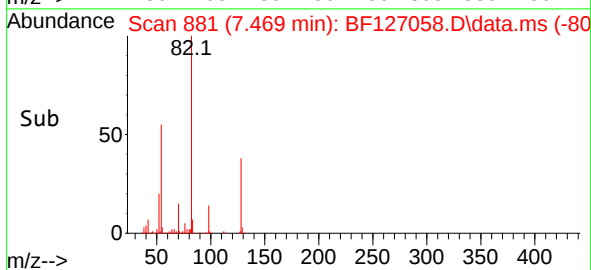
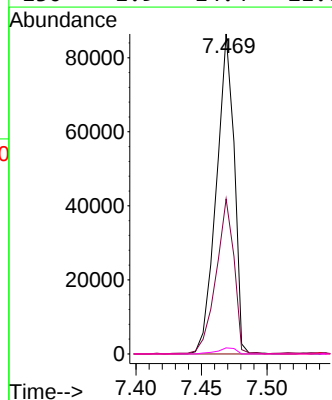
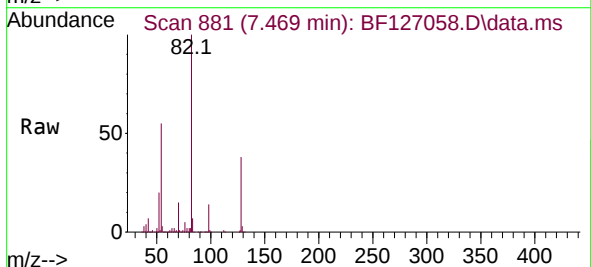
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

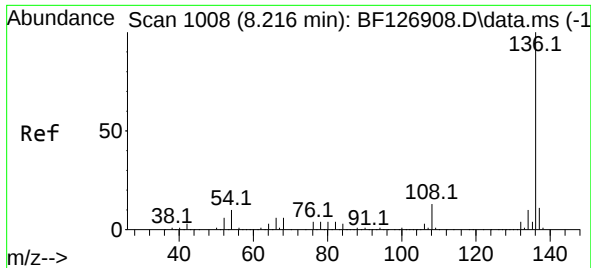
Tgt Ion: 99 Resp: 630142
Ion Ratio Lower Upper
99 100
42 22.7 14.2 21.4#
71 45.7 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 21.691 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.147 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

Tgt Ion: 70 Resp: 81409
Ion Ratio Lower Upper
70 100
42 48.5 45.8 68.8
101 0.0 6.9 10.3#
130 1.9 14.4 21.6#

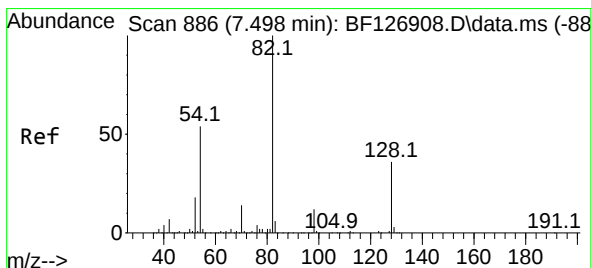
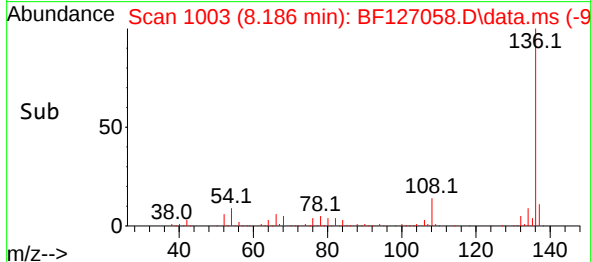
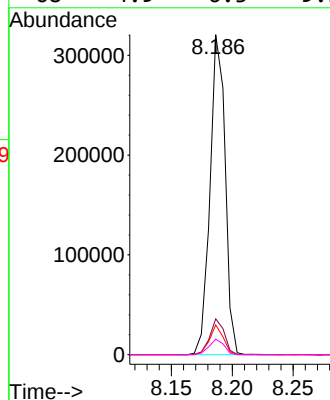
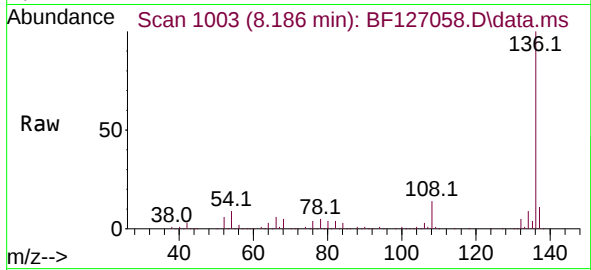




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

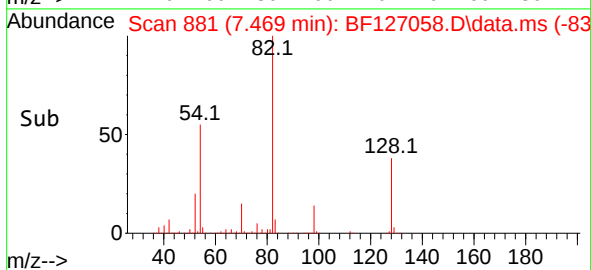
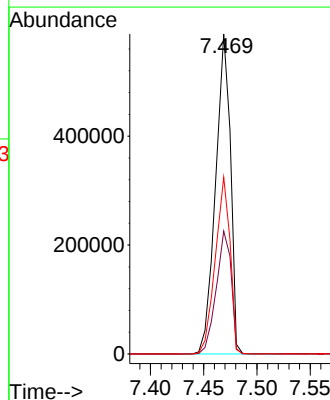
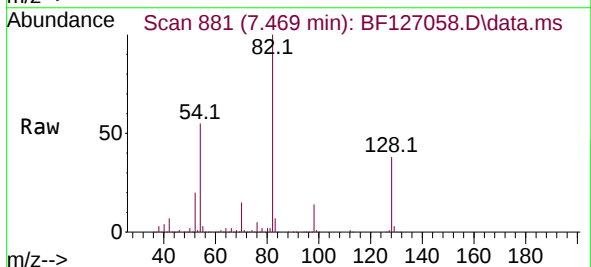
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion:136 Resp: 277350
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.3 7.8 11.6
68 4.9 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 92.858 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

Tgt Ion: 82 Resp: 570573
Ion Ratio Lower Upper
82 100
128 38.4 32.7 49.1
54 55.3 41.7 62.5





#25

Isophorone

Concen: 56.015 ng

RT: 7.469 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF127058.D

Acq: 24 Feb 2022 15:40

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)

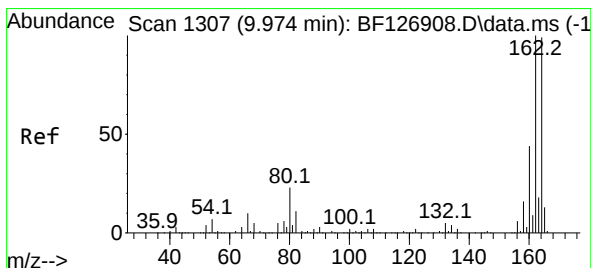
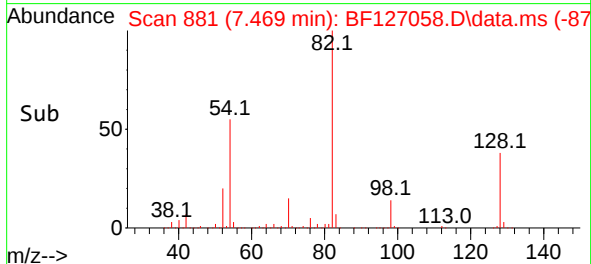
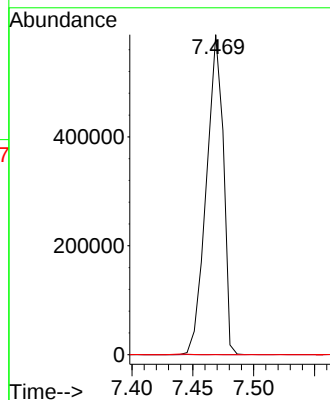
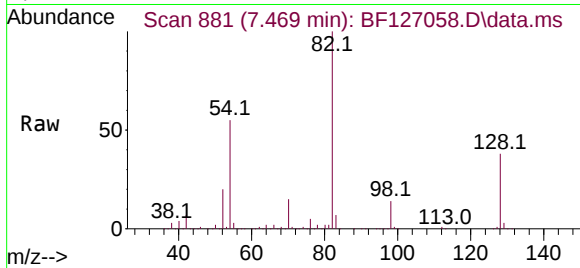
Tgt Ion: 82 Resp: 569542

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF127058.D

Acq: 24 Feb 2022 15:40

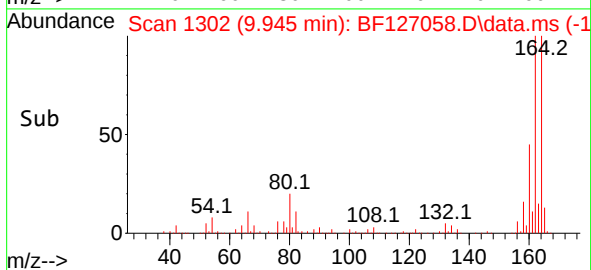
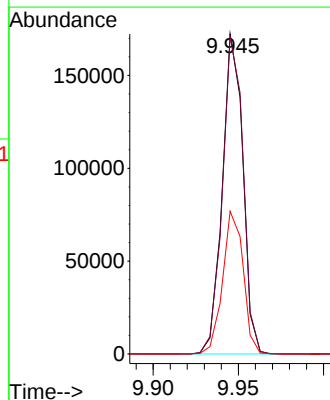
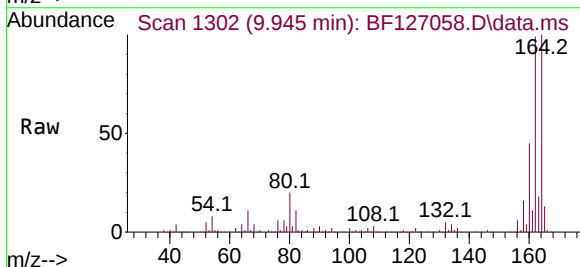
Tgt Ion: 164 Resp: 144052

Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.0

160 44.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 178.353 ng

RT: 10.745 min Scan# 1442

Delta R.T. -0.000 min

Lab File: BF127058.D

Acq: 24 Feb 2022 15:40

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)

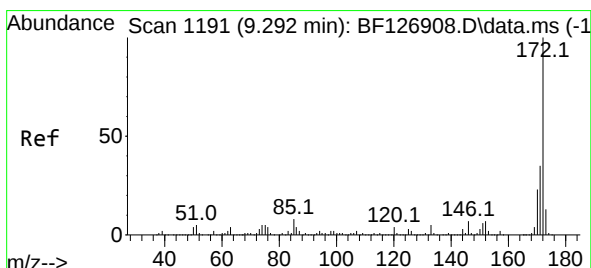
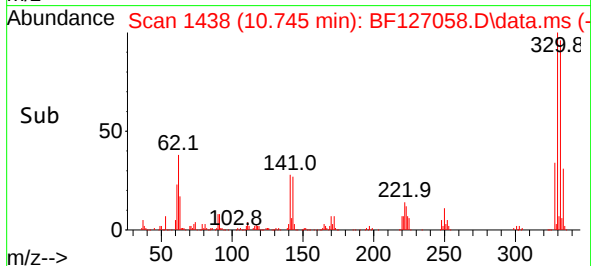
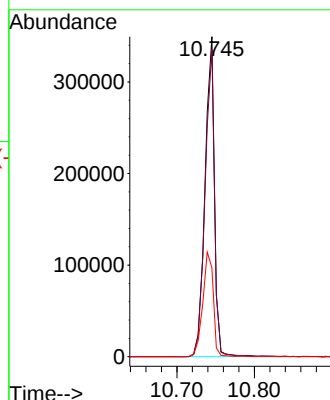
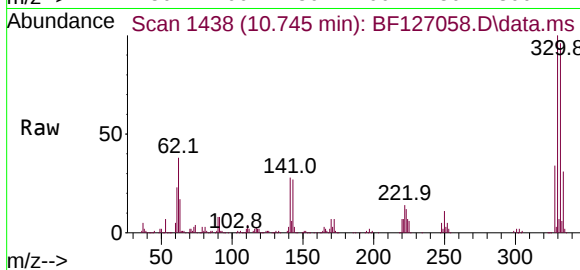
Tgt Ion:330 Resp: 295809

Ion Ratio Lower Upper

330 100

332 95.9 76.0 114.0

141 36.2 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 102.213 ng

RT: 9.269 min Scan# 1187

Delta R.T. -0.000 min

Lab File: BF127058.D

Acq: 24 Feb 2022 15:40

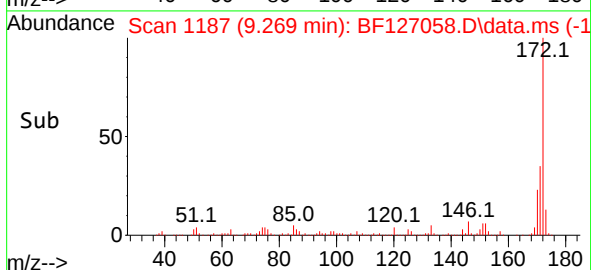
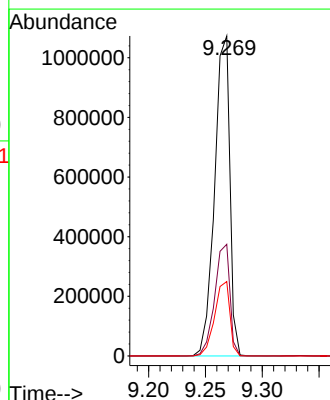
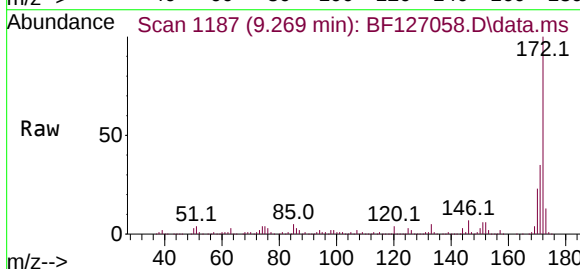
Tgt Ion:172 Resp: 1000162

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.2 19.0 28.6

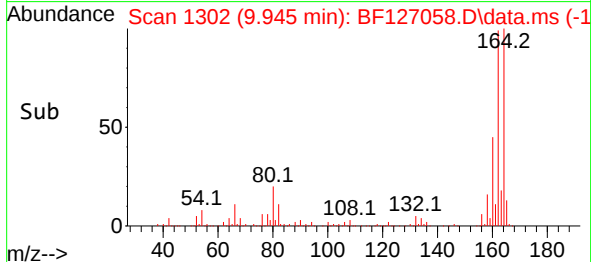
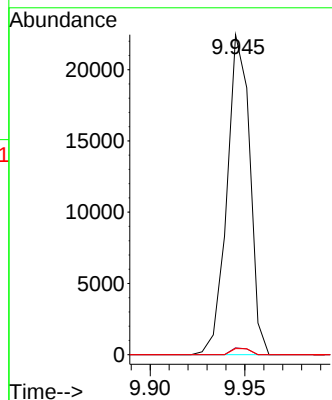
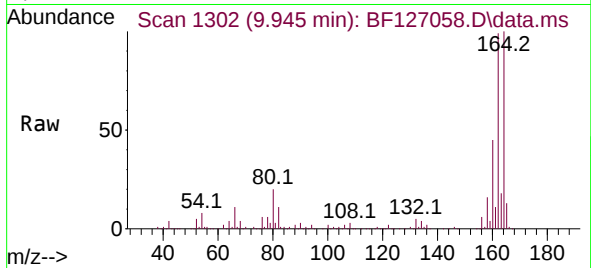




#51
2,6-Dinitrotoluene
Concen: 8.982 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

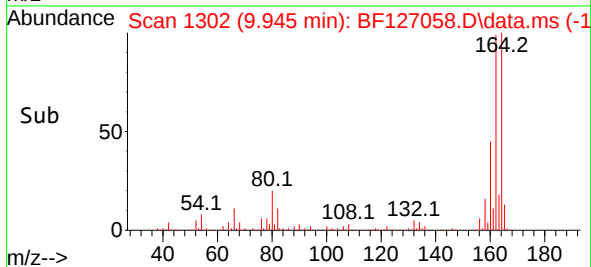
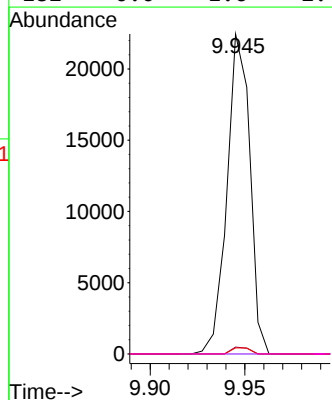
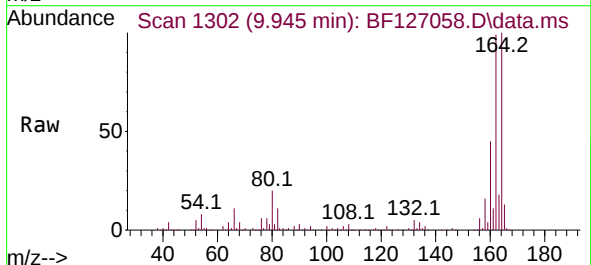
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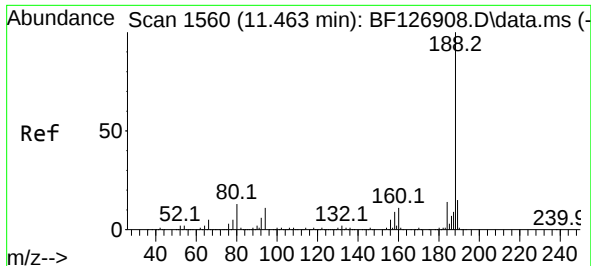
Tgt Ion:165 Resp: 18817
Ion Ratio Lower Upper
165 100
63 2.1 48.4 72.6#
89 1.9 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.643 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.194 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

Tgt Ion:165 Resp: 18817
Ion Ratio Lower Upper
165 100
63 2.1 43.0 64.6#
89 1.9 71.0 106.4#
182 0.0 1.6 2.4#

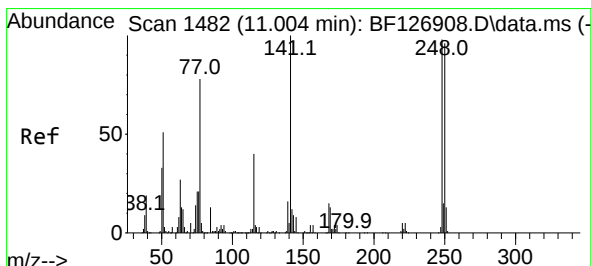
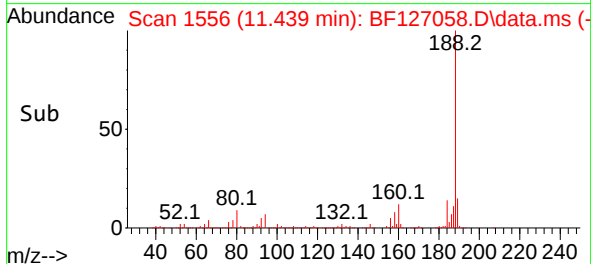
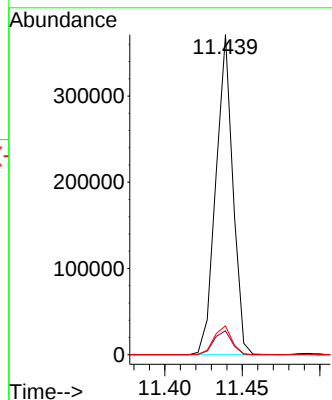
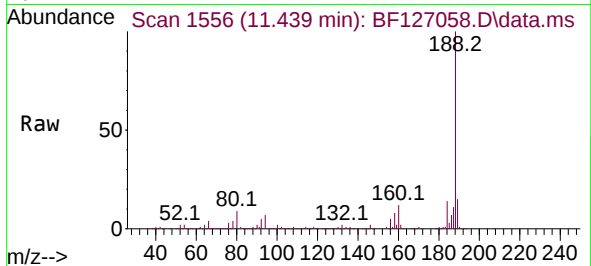




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

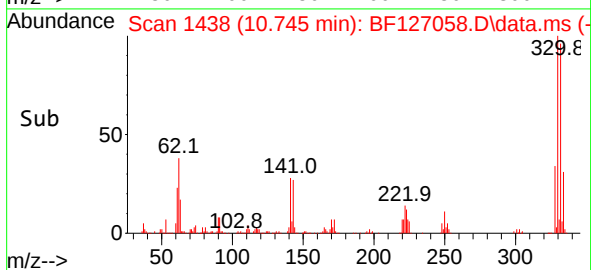
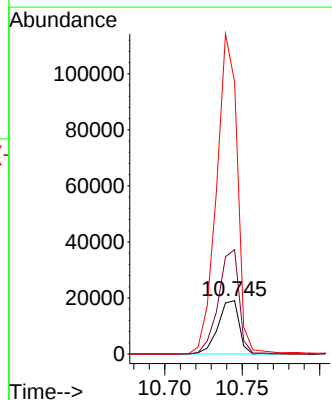
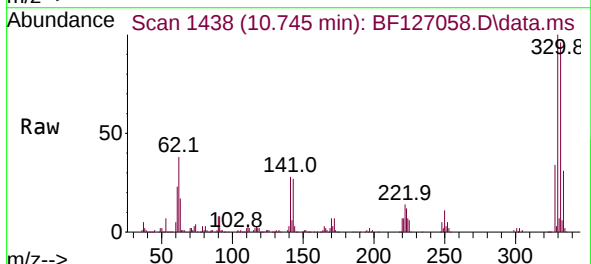
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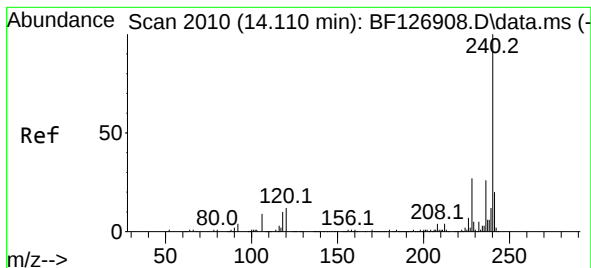
Tgt Ion:188 Resp: 282972
Ion Ratio Lower Upper
188 100
94 7.5 10.1 15.1#
80 9.0 11.8 17.6#



#67
4-Bromophenyl-phenylether
Concen: 5.685 ng
RT: 10.745 min Scan# 1438
Delta R.T. -0.241 min
Lab File: BF127058.D
Acq: 24 Feb 2022 15:40

Tgt Ion:248 Resp: 17973
Ion Ratio Lower Upper
248 100
250 195.5 76.2 114.4#
141 509.9 66.2 99.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF127058.D

Acq: 24 Feb 2022 15:40

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)

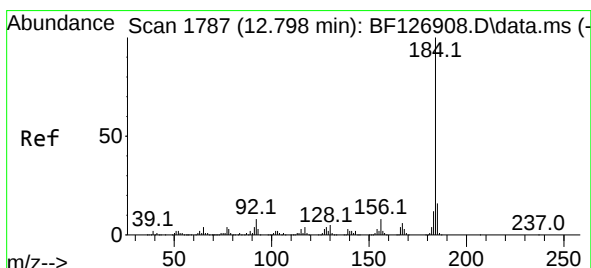
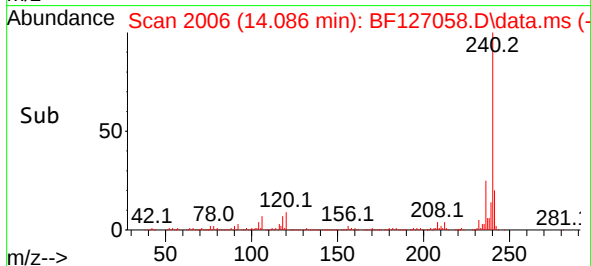
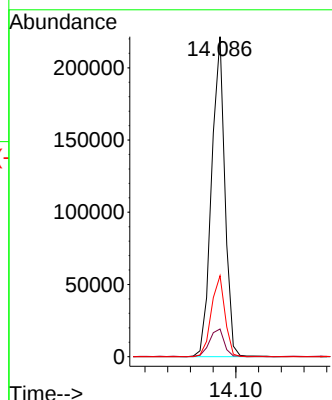
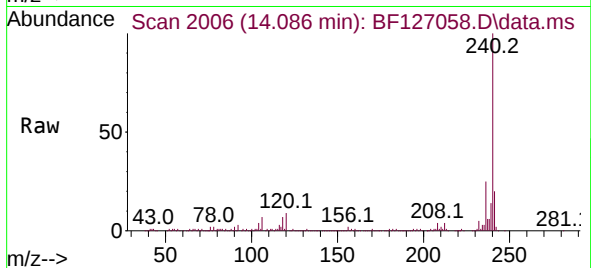
Tgt Ion:240 Resp: 179678

Ion Ratio Lower Upper

240 100

120 8.7 14.4 21.6#

236 25.3 20.5 30.7



#77

Benzidine

Concen: 4.140 ng

RT: 13.033 min Scan# 1827

Delta R.T. 0.259 min

Lab File: BF127058.D

Acq: 24 Feb 2022 15:40

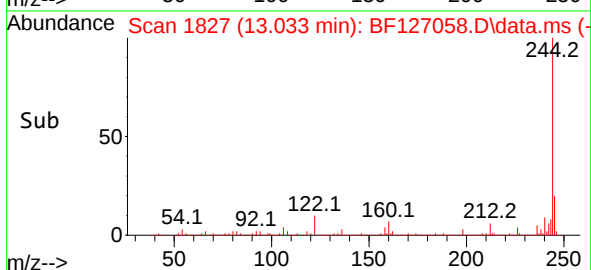
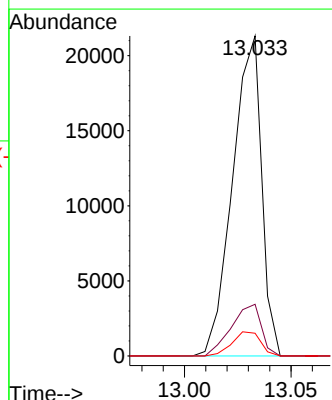
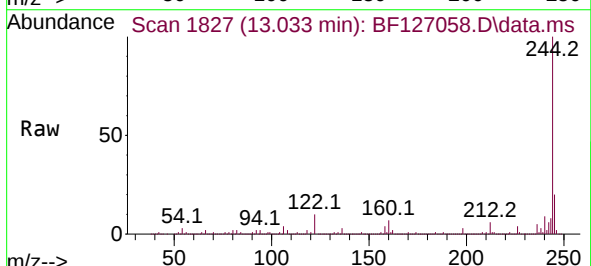
Tgt Ion:184 Resp: 20213

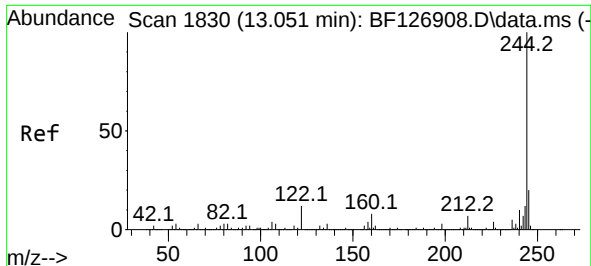
Ion Ratio Lower Upper

184 100

185 16.1 11.8 17.8

183 7.1 8.2 12.2#

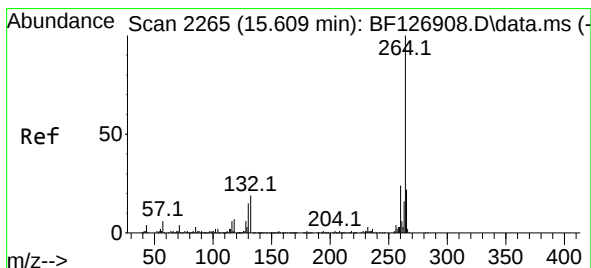
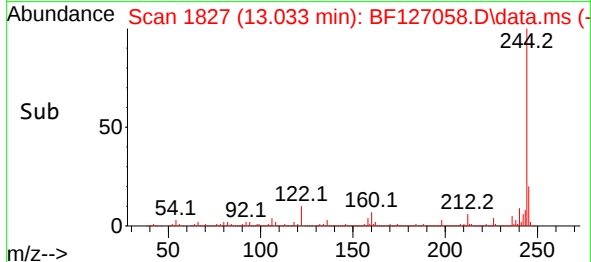
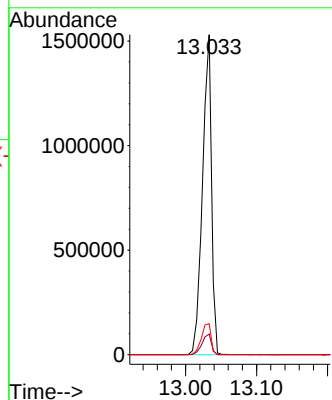
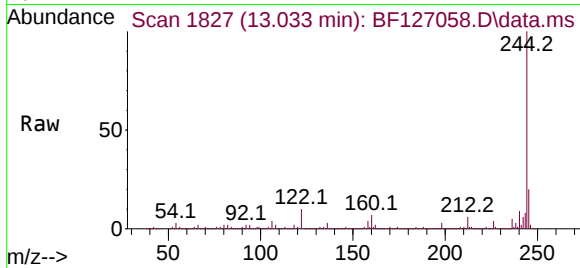




#79
 Terphenyl-d14
 Concen: 110.857 ng
 RT: 13.033 min Scan# 1827
 Delta R.T. 0.006 min
 Lab File: BF127058.D
 Acq: 24 Feb 2022 15:40

Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)

Tgt Ion:244 Resp: 1354971
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 9.7 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.586 min Scan# 2261
 Delta R.T. -0.000 min
 Lab File: BF127058.D
 Acq: 24 Feb 2022 15:40

Tgt Ion:264 Resp: 56285
 Ion Ratio Lower Upper
 264 100
 260 27.7 19.2 28.8
 265 21.6 17.4 26.2

