

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135762.D
 Acq On : 13 Oct 2023 20:11
 Operator : CG\JU
 Sample : 04837--09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Oct 13 23:38:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

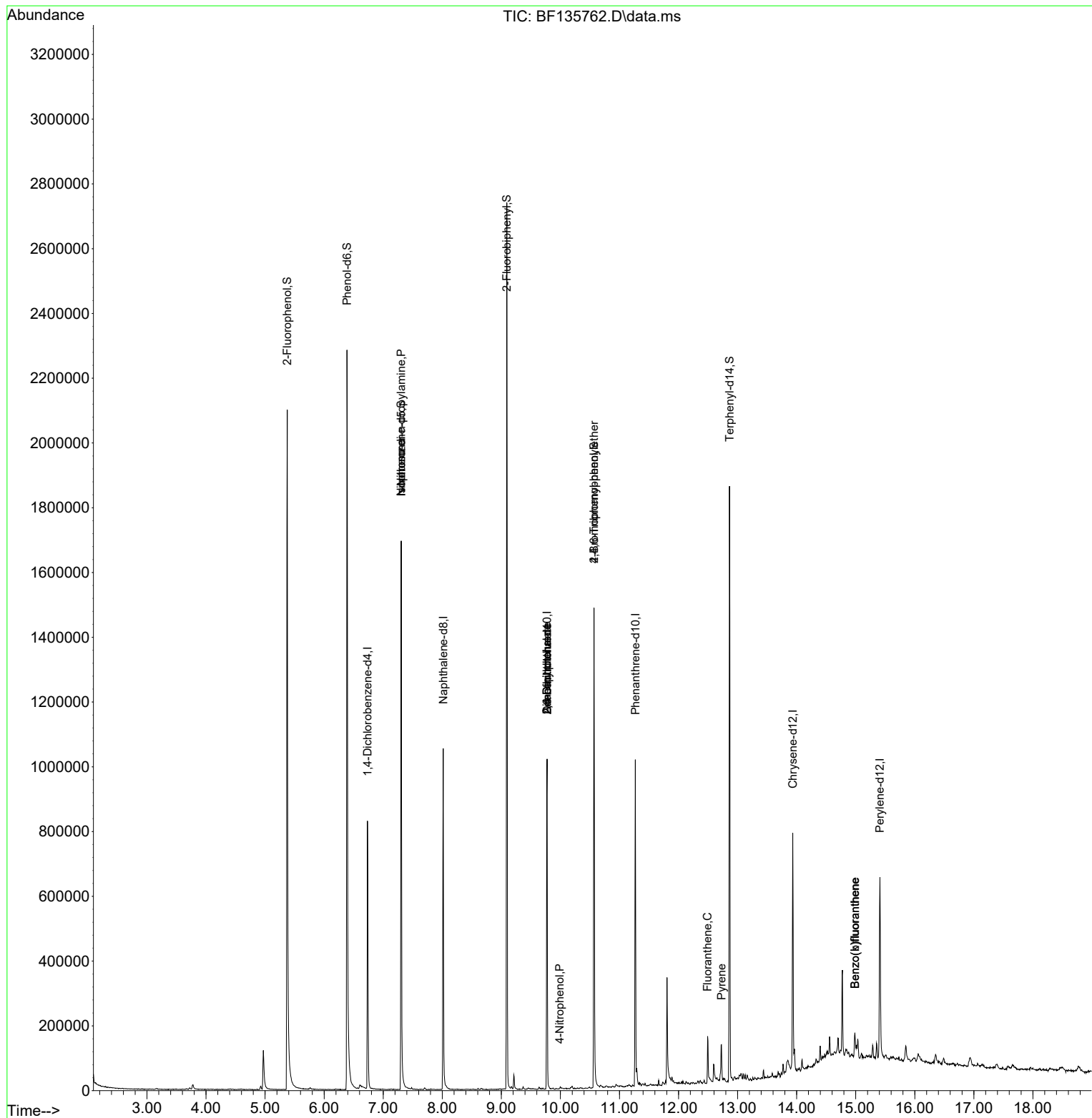
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	121169	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	440196	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	209414	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	345859	20.000	ng	0.00
76) Chrysene-d12	13.933	240	231373	20.000	ng	-0.01
86) Perylene-d12	15.410	264	258397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	654379	86.827	ng	0.00
7) Phenol-d6	6.387	99	798847	84.952	ng	-0.01
23) Nitrobenzene-d5	7.304	82	485294	60.634	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	168814	84.008	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	793478	59.242	ng	-0.01
79) Terphenyl-d14	12.863	244	629110	50.354	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	64696	11.127	ng	# 75
25) Isophorone	7.304	82	485291	32.140	ng	# 66
50) Dimethylphthalate	9.775	163	41226	2.916	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	27296	8.979	ng	# 16
56) 4-Nitrophenol	9.986	139	210	5.607	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	27296	7.058	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	10500	3.024	ng	# 1
75) Fluoranthene	12.492	202	57193	3.110	ng	96
78) Pyrene	12.727	202	50556	2.750	ng	97
88) Benzo(b)fluoranthene	14.986	252	53997	3.734	ng	# 98
89) Benzo(k)fluoranthene	14.986	252	53997	3.846	ng	# 97

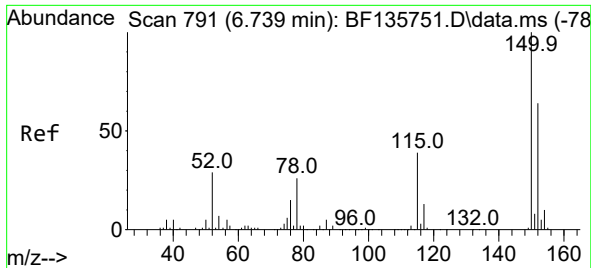
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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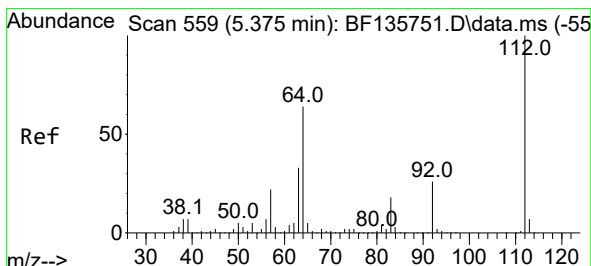
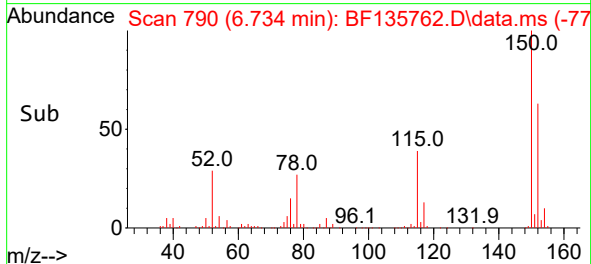
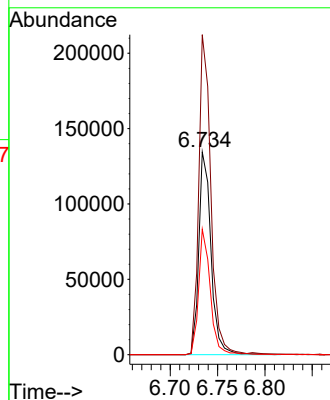
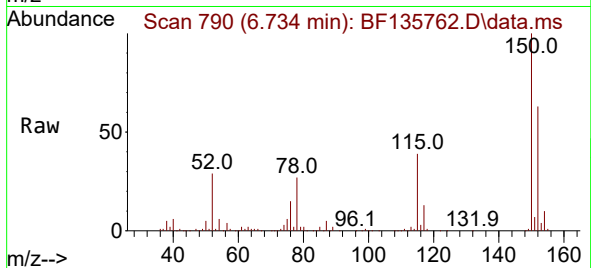




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

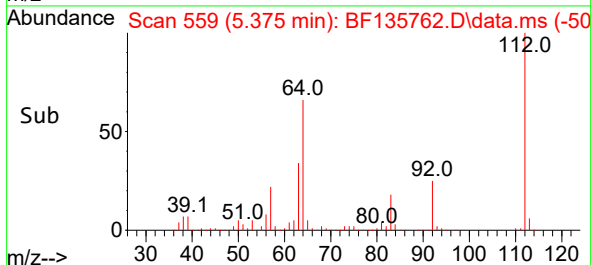
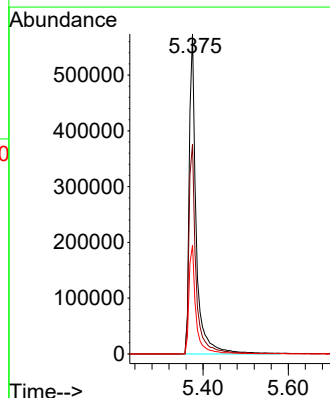
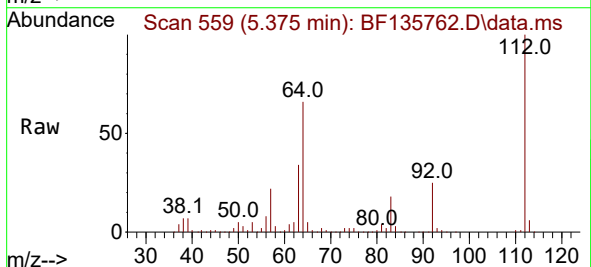
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

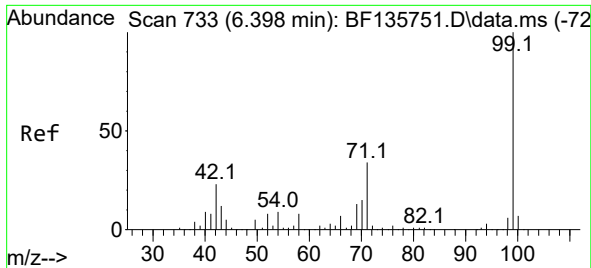
Tgt Ion:152 Resp: 121169
Ion Ratio Lower Upper
152 100
150 157.8 124.5 186.7
115 61.9 49.0 73.4



#5
2-Fluorophenol
Concen: 86.827 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Tgt Ion:112 Resp: 654379
Ion Ratio Lower Upper
112 100
64 65.6 51.2 76.8
63 34.0 26.1 39.1

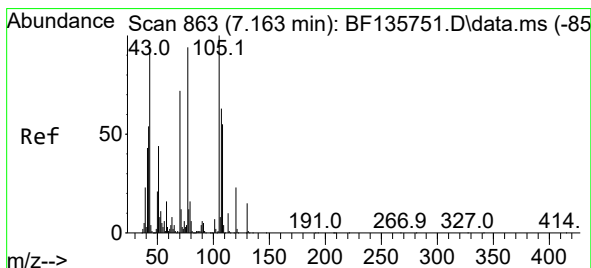
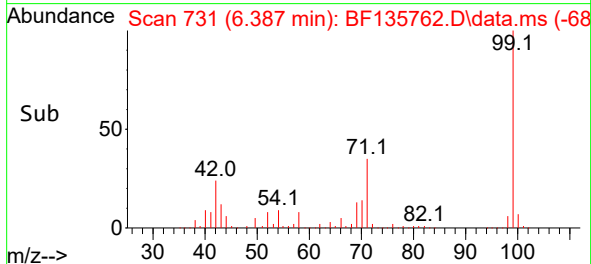
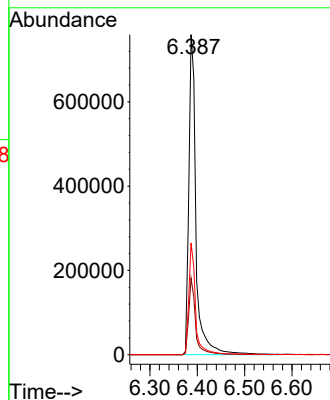
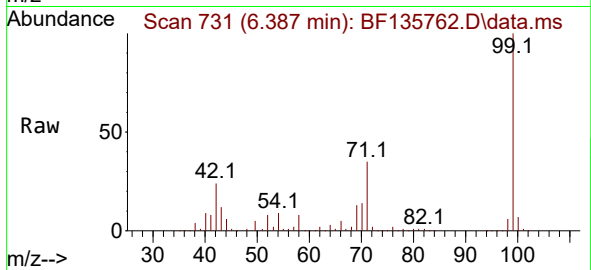




#7
Phenol-d6
Concen: 84.952 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

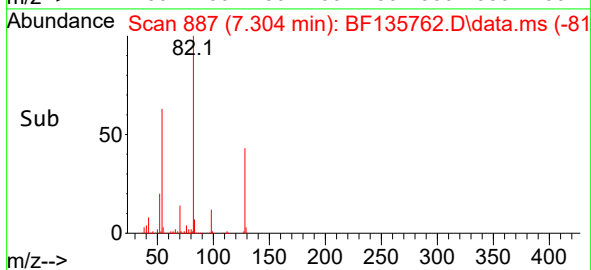
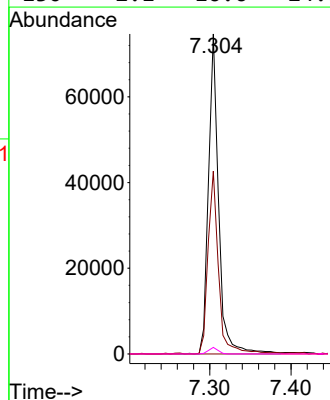
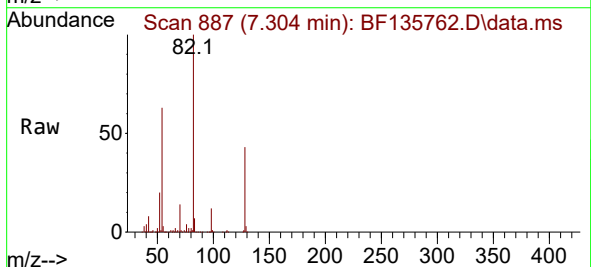
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

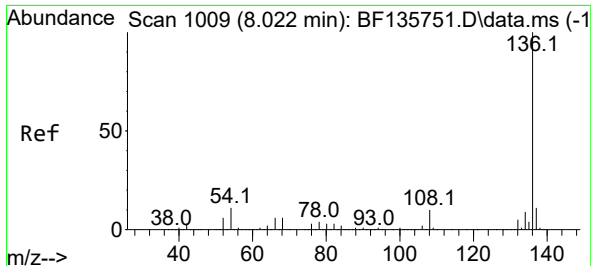
Tgt Ion: 99 Resp: 798847
Ion Ratio Lower Upper
99 100
42 23.9 18.4 27.6
71 34.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.127 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Tgt Ion: 70 Resp: 64696
Ion Ratio Lower Upper
70 100
42 57.2 59.8 89.6#
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#





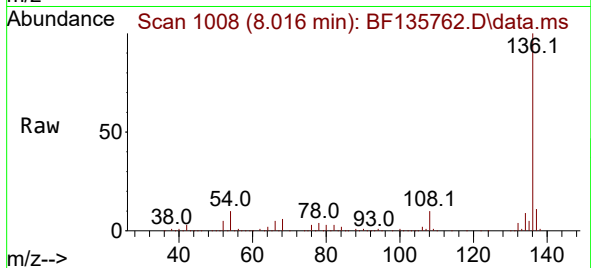
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Instrument :

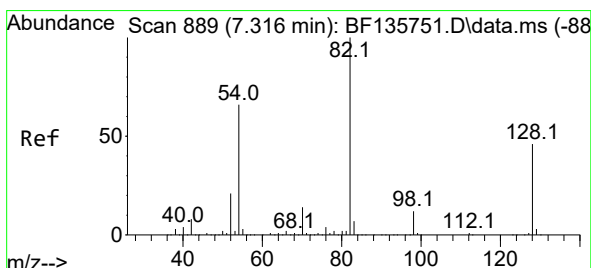
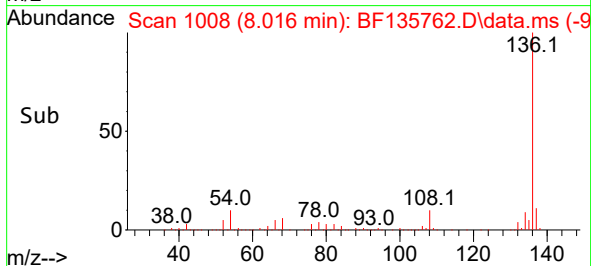
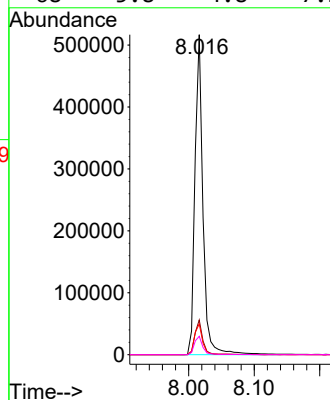
BNA_F

ClientSampleId :

SOIL-COMP

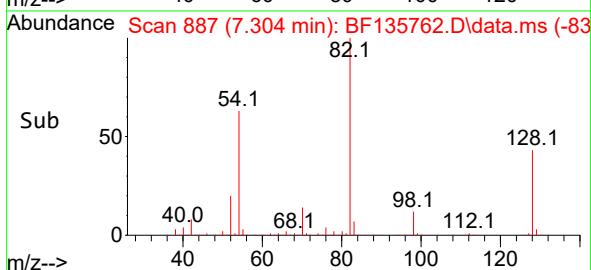
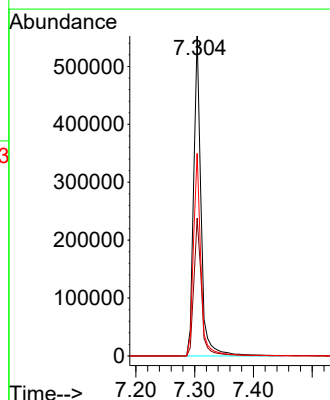
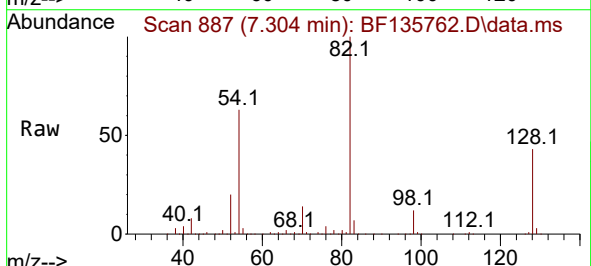


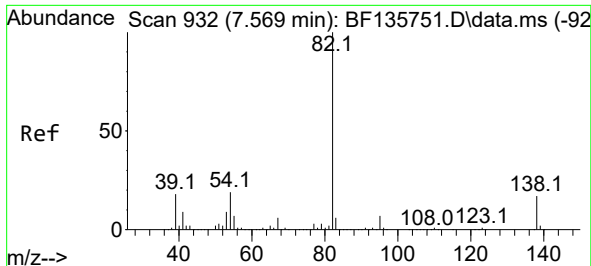
Tgt Ion:136 Resp: 440196
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.6 8.5 12.7
68 5.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 60.634 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Tgt Ion: 82 Resp: 485294
Ion Ratio Lower Upper
82 100
128 43.0 37.0 55.6
54 63.3 52.8 79.2

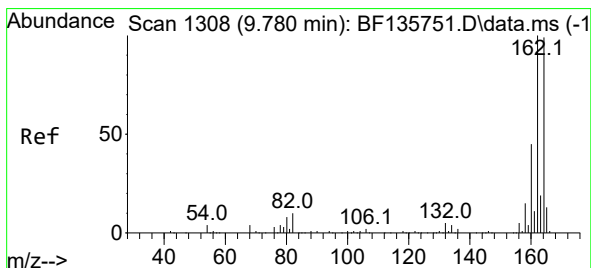
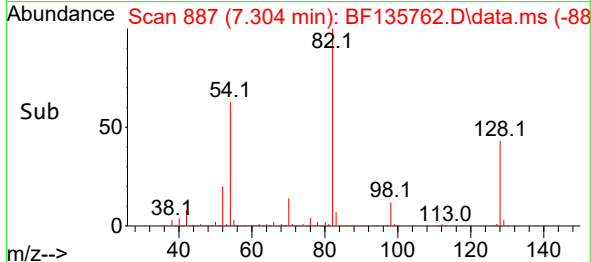
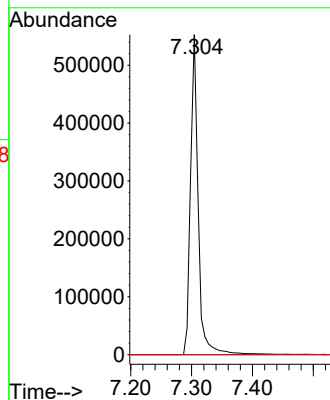
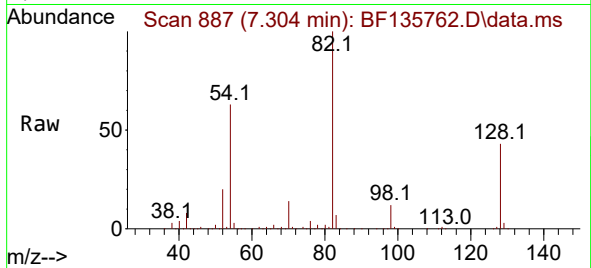




#25
Isophorone
Concen: 32.140 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

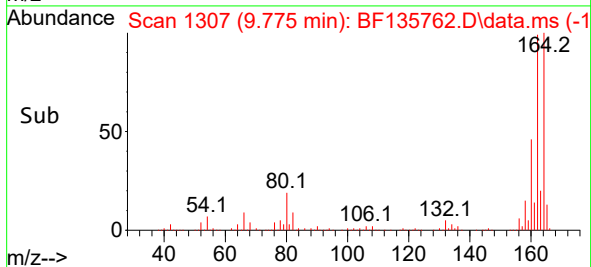
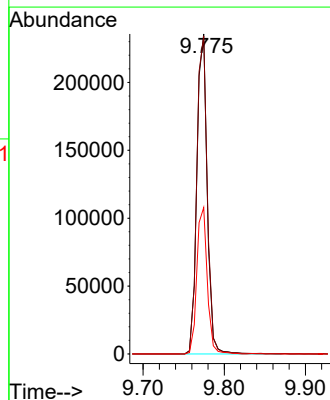
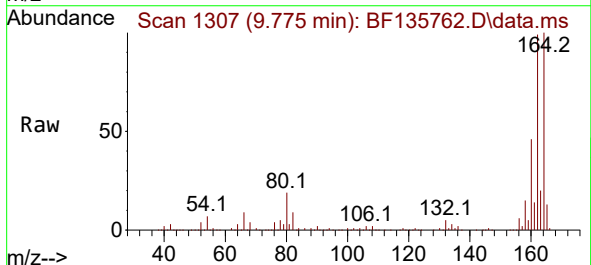
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

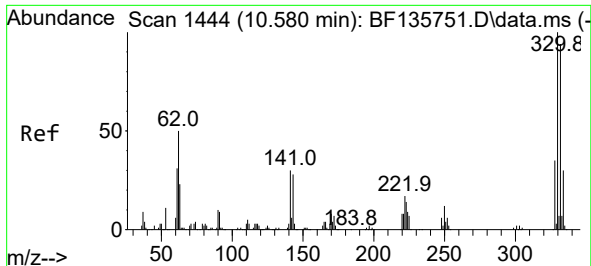
Tgt Ion: 82 Resp: 485291
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Tgt Ion:164 Resp: 209414
Ion Ratio Lower Upper
164 100
162 99.4 80.8 121.2
160 45.8 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 84.008 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF135762.D

Acq: 13 Oct 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

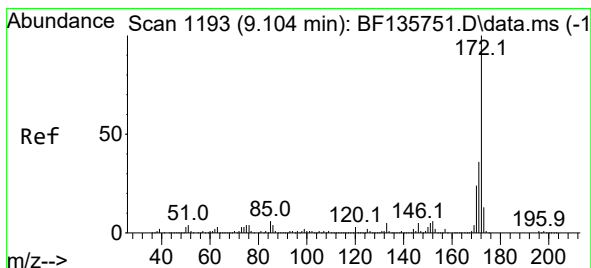
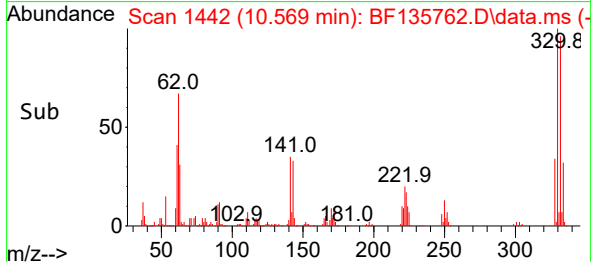
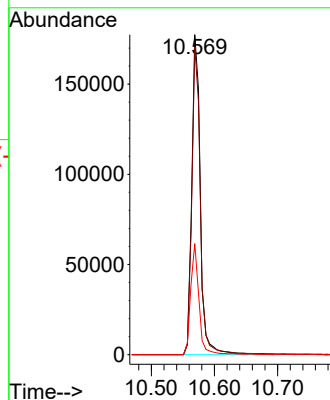
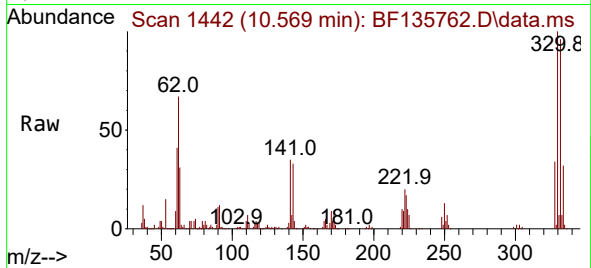
Tgt Ion:330 Resp: 168814

Ion Ratio Lower Upper

330 100

332 95.5 75.0 112.4

141 33.6 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 59.242 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135762.D

Acq: 13 Oct 2023 20:11

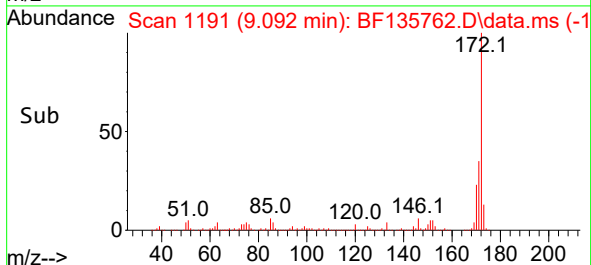
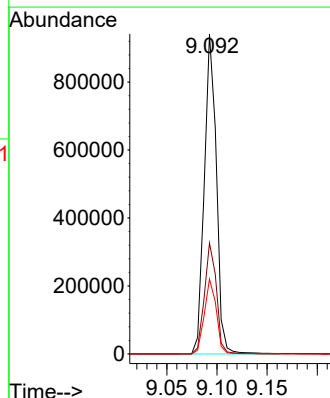
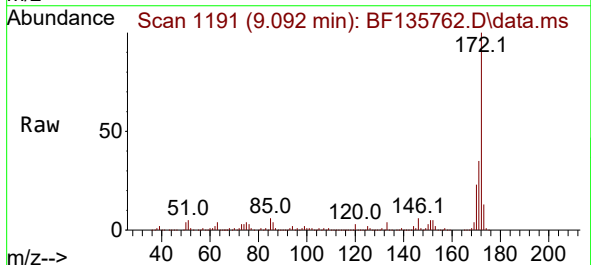
Tgt Ion:172 Resp: 793478

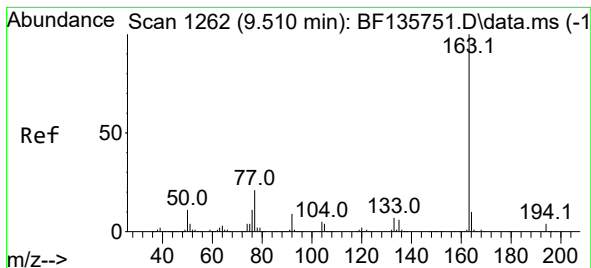
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.4 18.8 28.2





#50

Dimethylphthalate

Concen: 2.916 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.265 min

Lab File: BF135762.D

Acq: 13 Oct 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

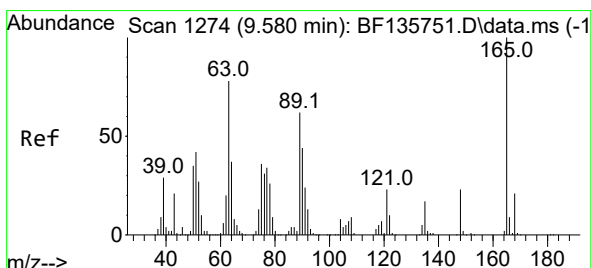
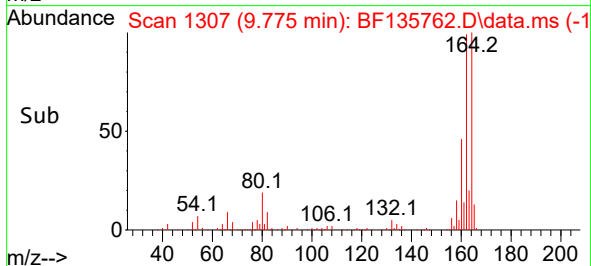
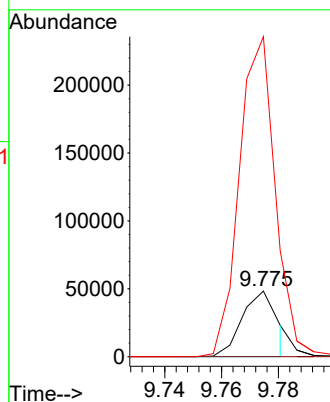
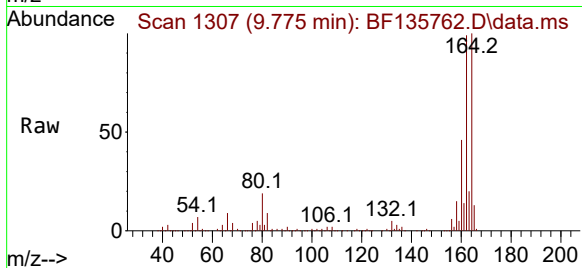
Tgt Ion:163 Resp: 41226

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 488.1 7.9 11.9#



#51

2,6-Dinitrotoluene

Concen: 8.979 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.194 min

Lab File: BF135762.D

Acq: 13 Oct 2023 20:11

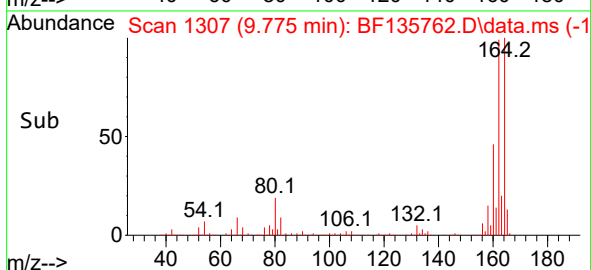
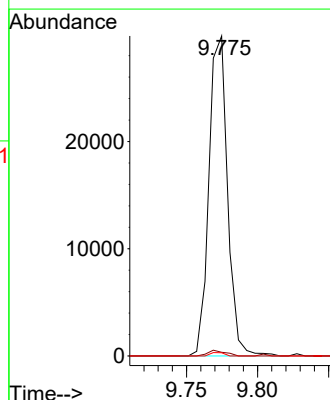
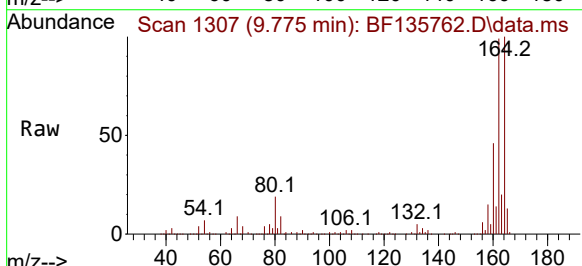
Tgt Ion:165 Resp: 27296

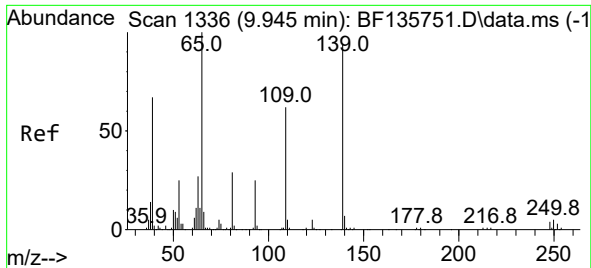
Ion Ratio Lower Upper

165 100

63 1.2 62.2 93.4#

89 1.0 49.6 74.4#

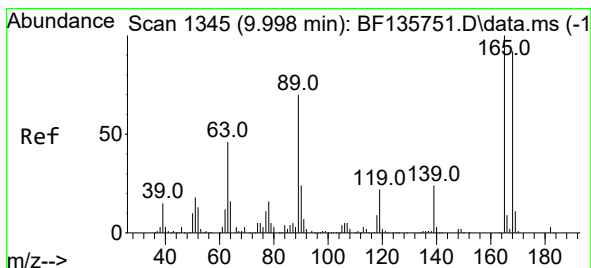
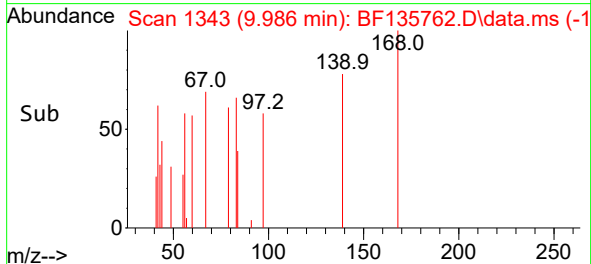
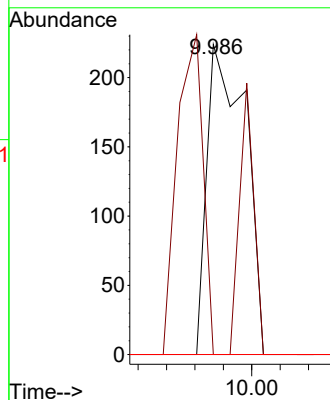
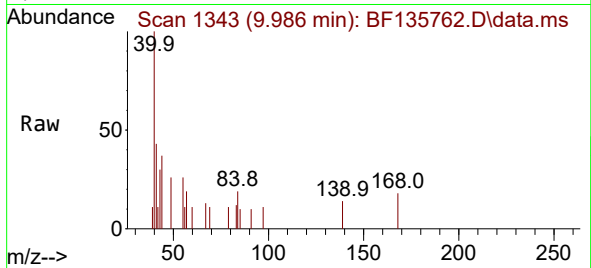




#56
4-Nitrophenol
Concen: 5.607 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

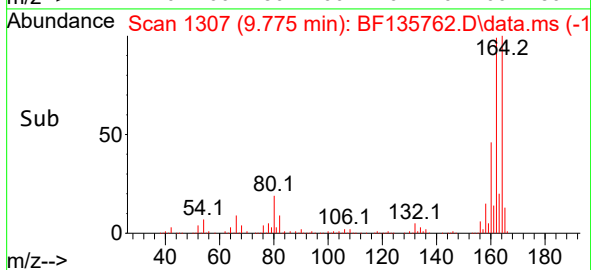
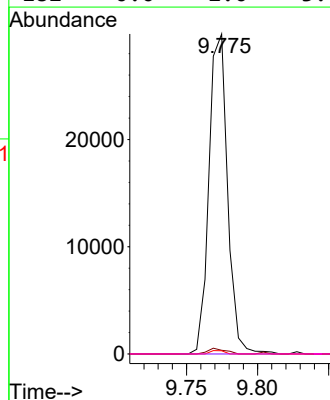
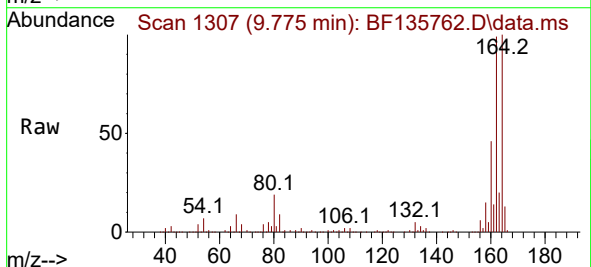
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

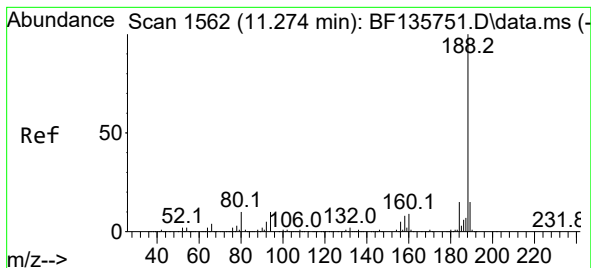
Tgt Ion:139 Resp: 210
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 0.0 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 7.058 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.223 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Tgt Ion:165 Resp: 27296
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.4#
89 1.0 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135762.D

Acq: 13 Oct 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

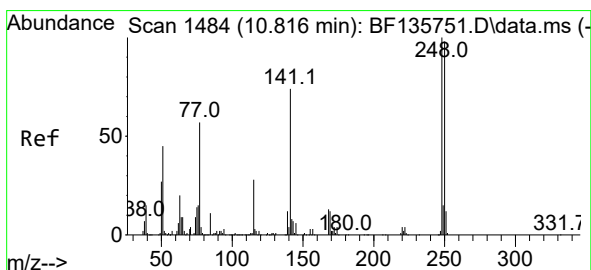
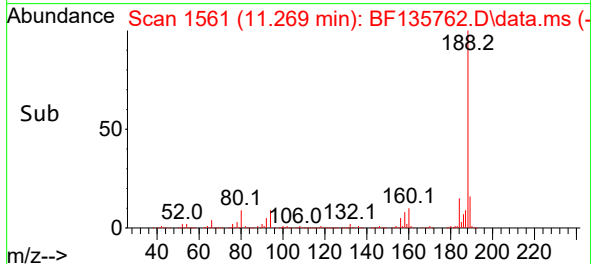
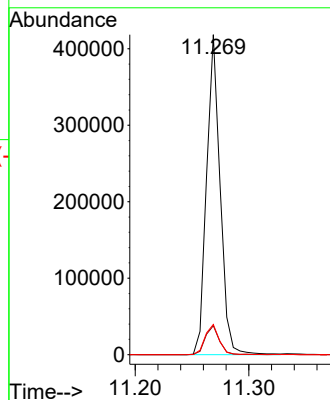
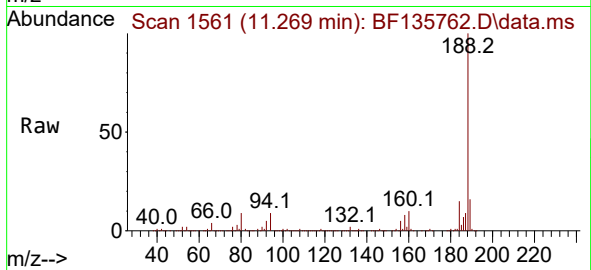
Tgt Ion:188 Resp: 345859

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

80 9.4 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.024 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135762.D

Acq: 13 Oct 2023 20:11

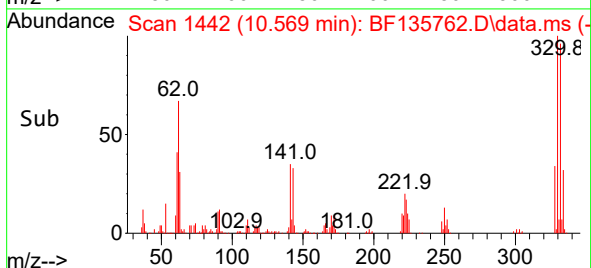
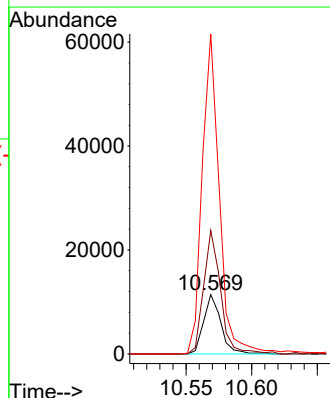
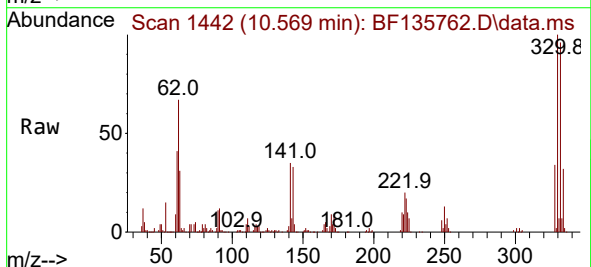
Tgt Ion:248 Resp: 10500

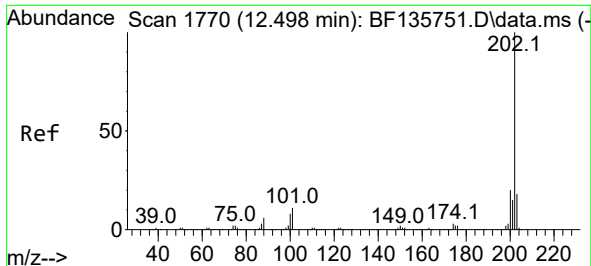
Ion Ratio Lower Upper

248 100

250 207.9 78.0 117.0#

141 538.8 59.0 88.6#

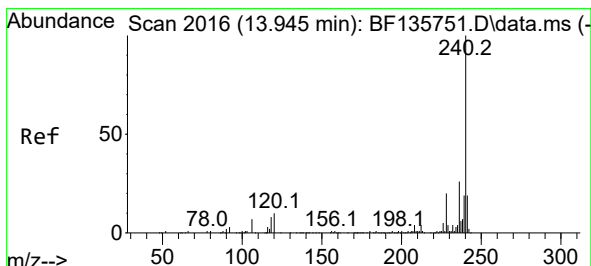
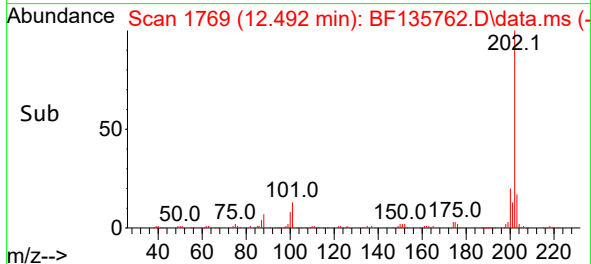
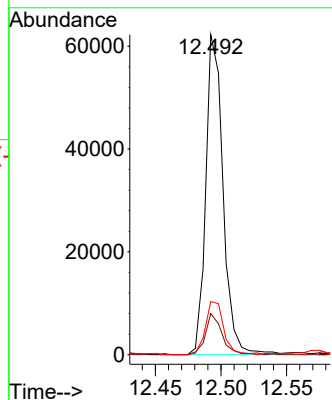
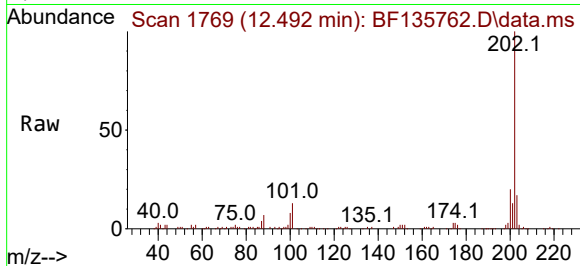




#75
Fluoranthene
Concen: 3.110 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

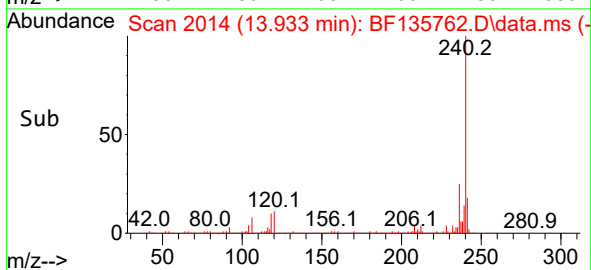
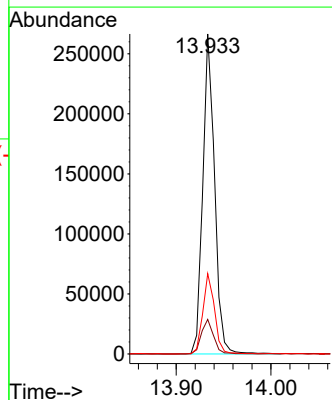
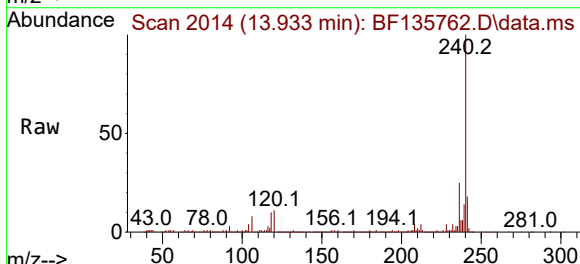
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

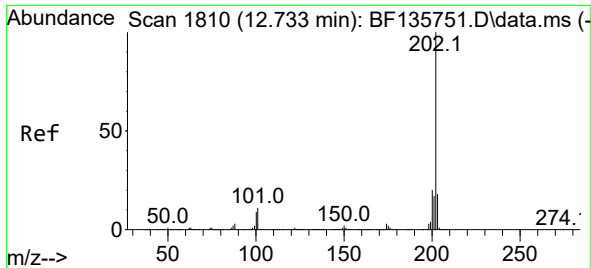
Tgt Ion:202 Resp: 57193
Ion Ratio Lower Upper
202 100
101 12.9 0.0 31.5
203 16.6 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Tgt Ion:240 Resp: 231373
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.2
236 25.1 21.2 31.8

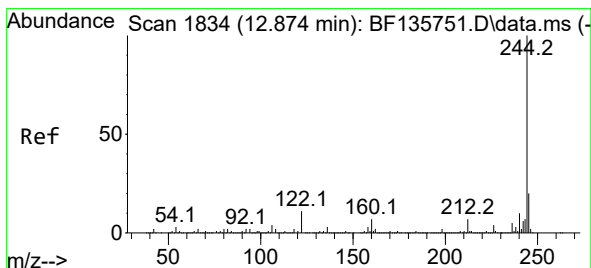
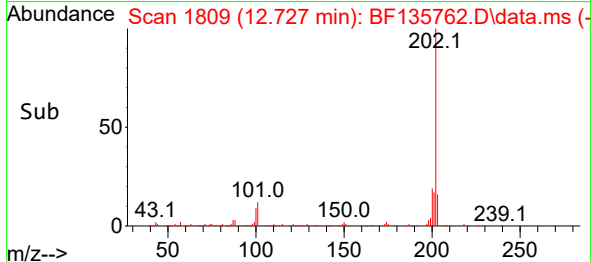
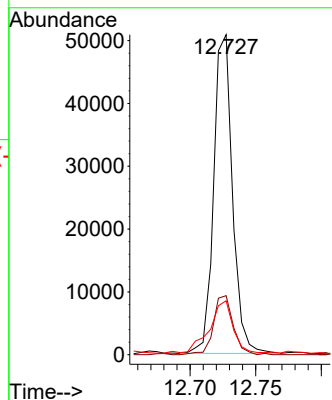
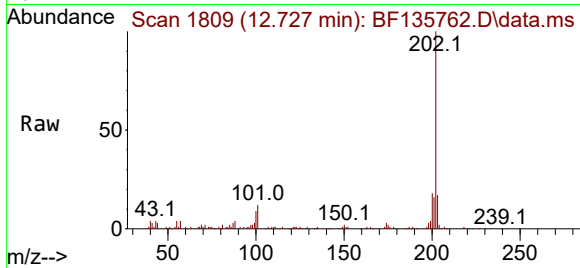




#78
 Pyrene
 Concen: 2.750 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF135762.D
 Acq: 13 Oct 2023 20:11

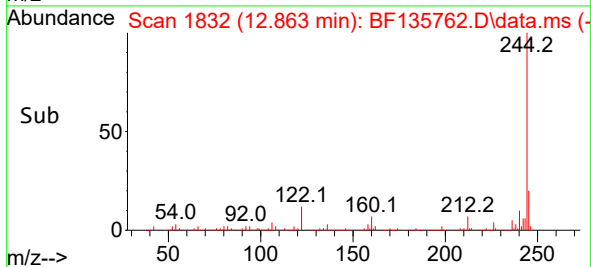
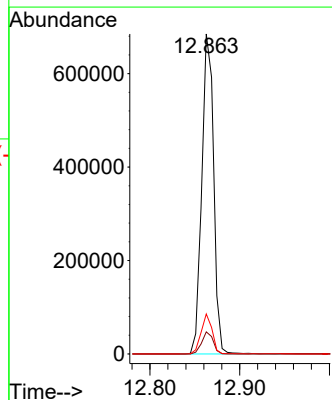
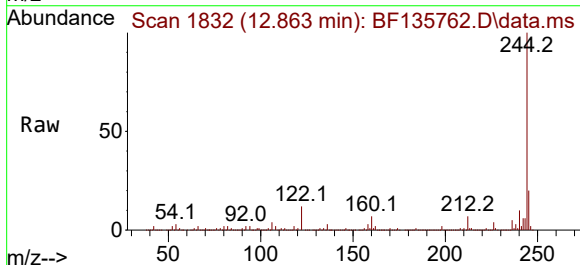
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

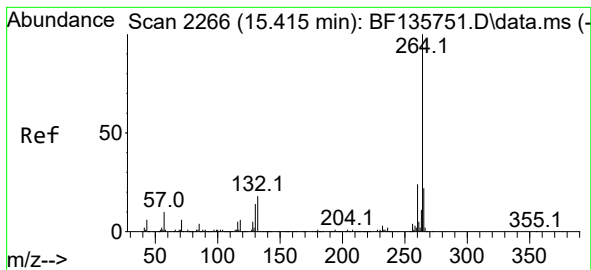
Tgt Ion:202 Resp: 50556
 Ion Ratio Lower Upper
 202 100
 200 18.4 16.1 24.1
 203 16.9 14.2 21.2



#79
 Terphenyl-d14
 Concen: 50.354 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.012 min
 Lab File: BF135762.D
 Acq: 13 Oct 2023 20:11

Tgt Ion:244 Resp: 629110
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 12.5 9.0 13.6

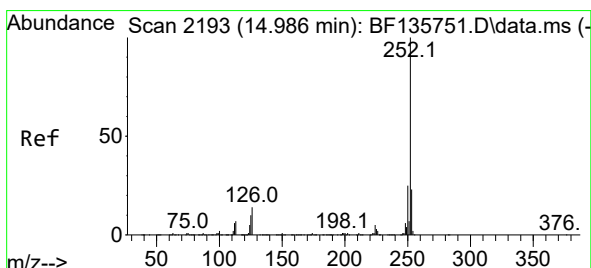
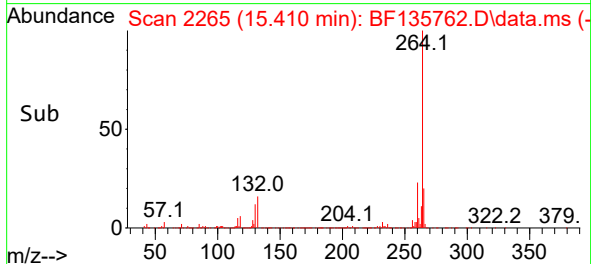
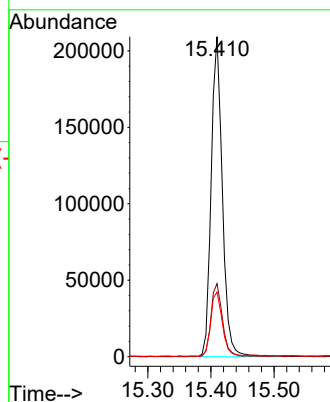
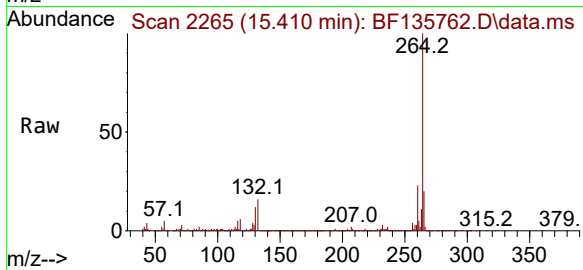




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

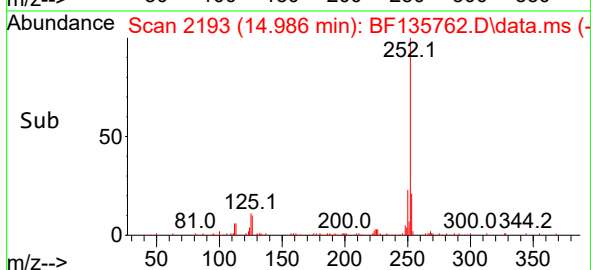
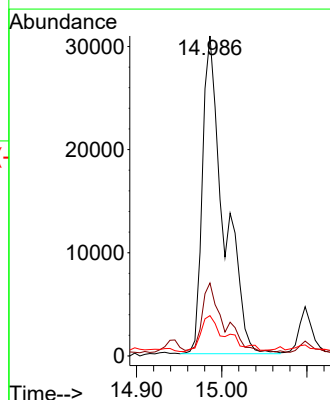
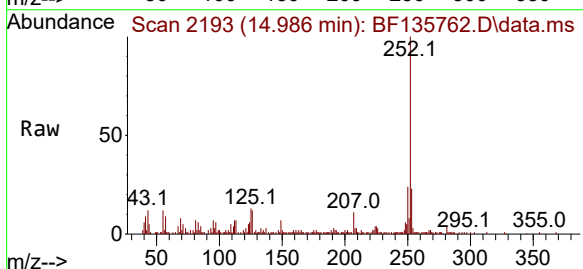
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

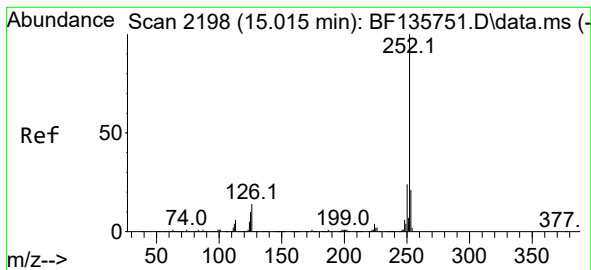
Tgt Ion:264 Resp: 258397
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 20.2 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 3.734 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135762.D
Acq: 13 Oct 2023 20:11

Tgt Ion:252 Resp: 53997
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 12.6 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 3.846 ng

RT: 14.986 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF135762.D

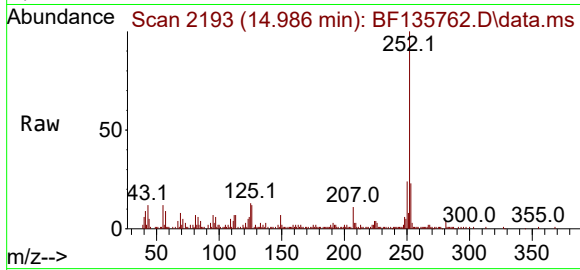
Acq: 13 Oct 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP



Tgt Ion:252 Resp: 53997

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 12.6 8.3 12.5#

