

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131369.D
 Acq On : 23 Nov 2022 19:26
 Operator : CG\JU
 Sample : N5641-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-2

Quant Time: Nov 24 05:57:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:53:32 2022
 Response via : Initial Calibration

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

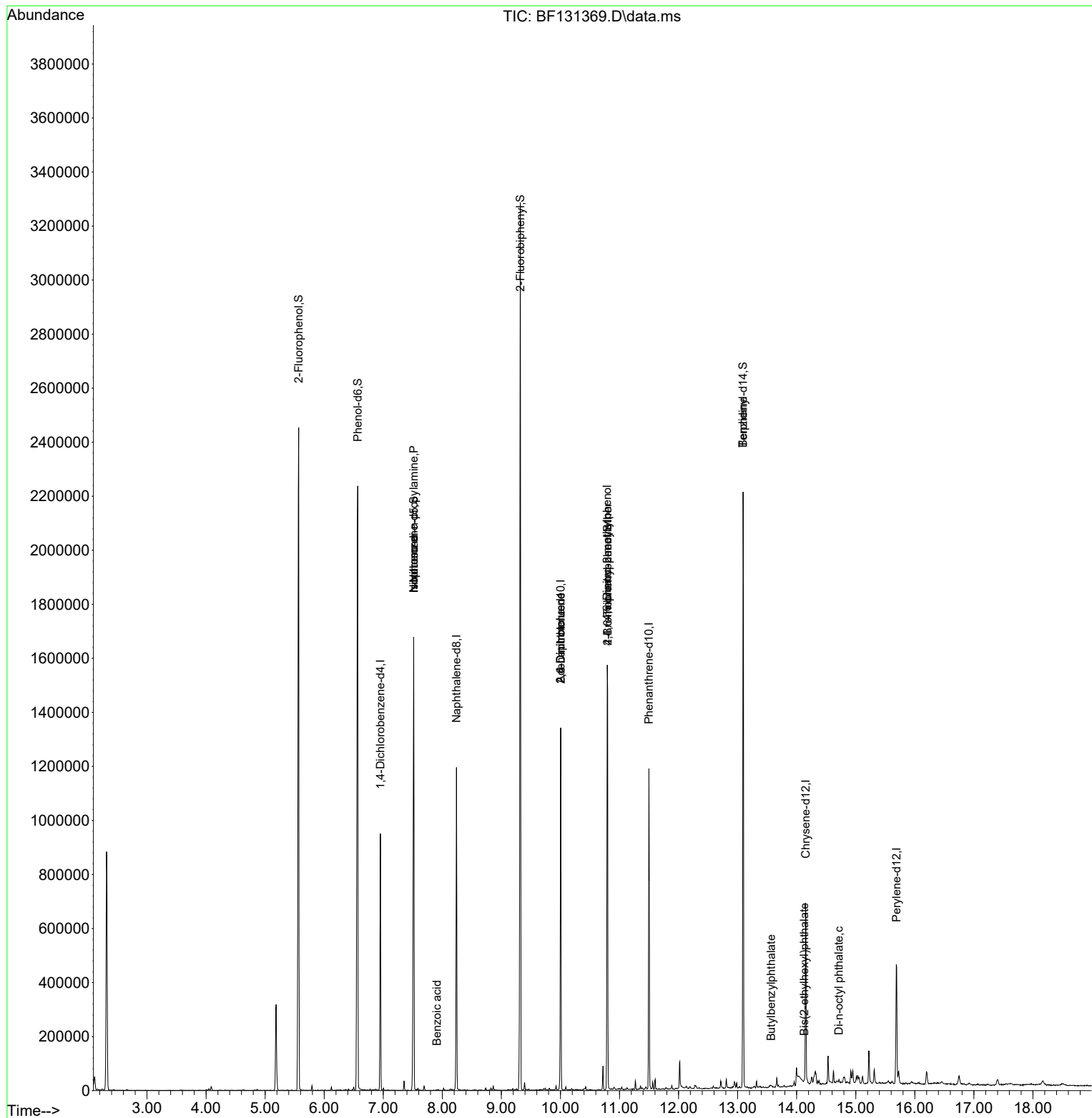
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	127938	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	466558	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	250387	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	399792	20.000	ng	0.00
76) Chrysene-d12	14.151	240	233797	20.000	ng	-0.01
86) Perylene-d12	15.692	264	214534	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	648255	96.435	ng	0.01
7) Phenol-d6	6.569	99	817120	95.271	ng	0.00
23) Nitrobenzene-d5	7.516	82	547459	59.149	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	180239	85.562	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	941453	54.701	ng	0.00
79) Terphenyl-d14	13.092	244	784319	54.858	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.498	77	1905	Below Cal	#	74
19) n-Nitroso-di-n-propyla...	7.516	70	75140	11.967	ng	# 73
25) Isophorone	7.516	82	545713	33.048	ng	# 68
32) Benzoic acid	7.910	122	847	5.377	ng	# 72
51) 2,6-Dinitrotoluene	10.004	165	31849	9.129	ng	# 15
57) 2,4-Dinitrotoluene	10.004	165	31849	7.255	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.792	198	393	4.830	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	11985	2.446	ng	# 1
77) Benzidine	13.092	184	10606	2.456	ng	# 93
80) Butylbenzylphthalate	13.568	149	525	4.213	ng	# 77
84) Bis(2-ethylhexyl)phtha...	14.127	149	2351	3.984	ng	# 96
85) Di-n-octyl phthalate	14.715	149	1887	4.067	ng	# 1

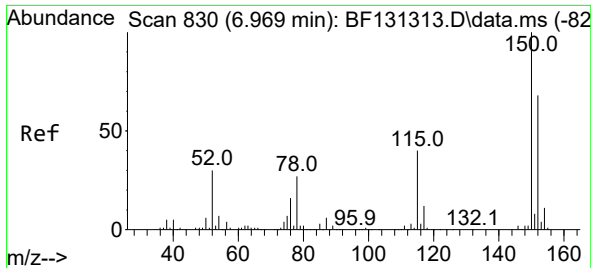
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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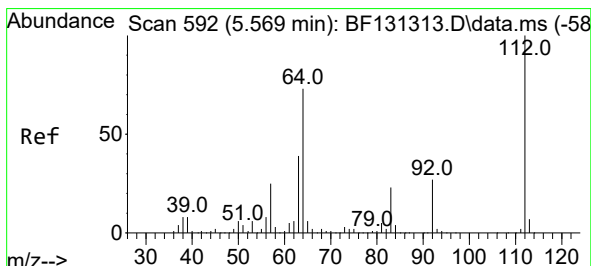
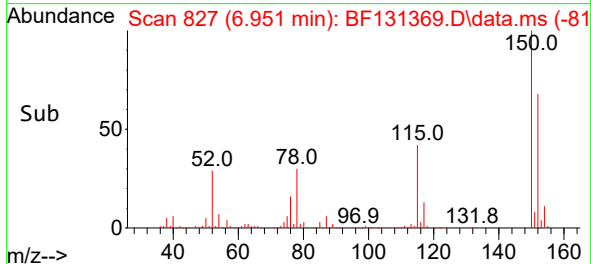
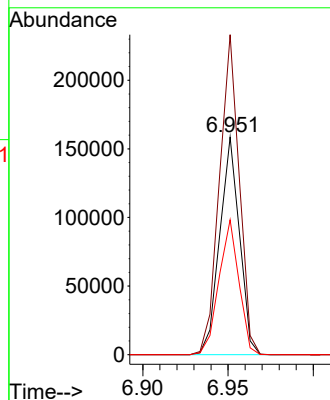
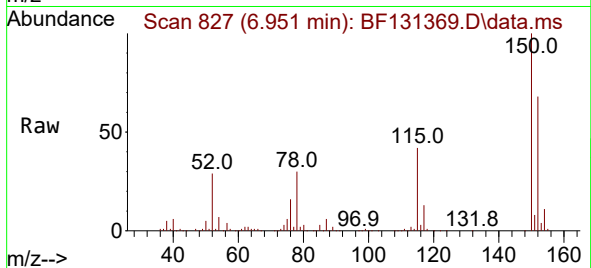




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

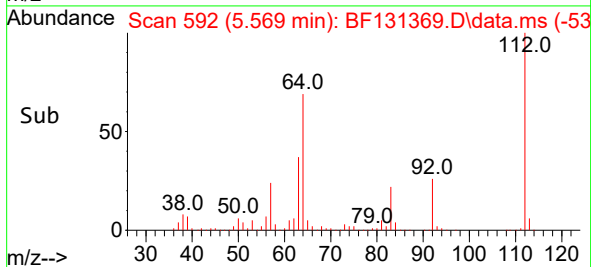
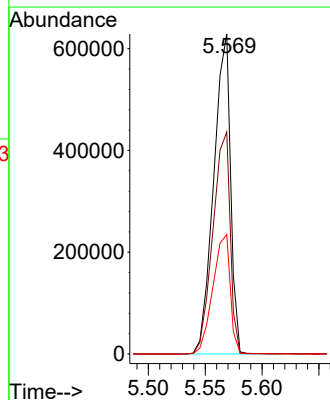
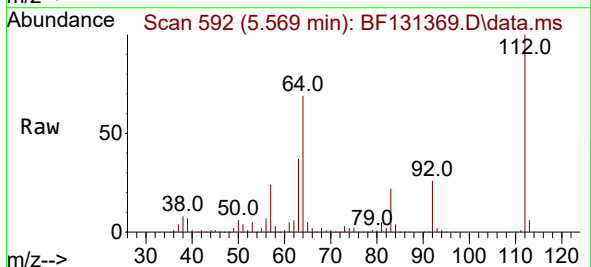
Instrument :
BNA_F
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SOIL-PILE-2

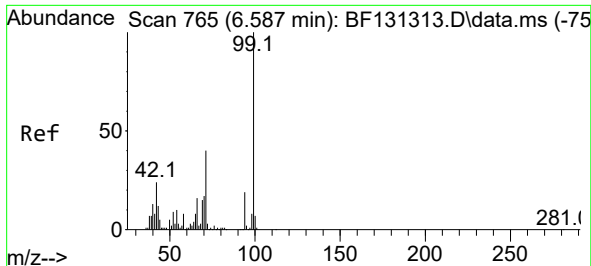
Tgt Ion:152 Resp: 127938
Ion Ratio Lower Upper
152 100
150 147.1 117.8 176.8
115 62.0 47.1 70.7



#5
2-Fluorophenol
Concen: 96.435 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

Tgt Ion:112 Resp: 648255
Ion Ratio Lower Upper
112 100
64 69.4 58.6 88.0
63 37.3 31.4 47.0

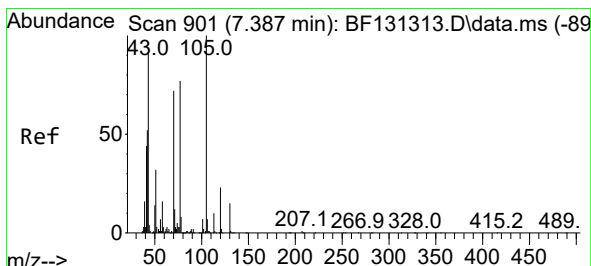
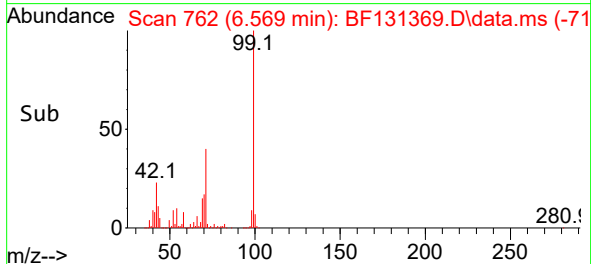
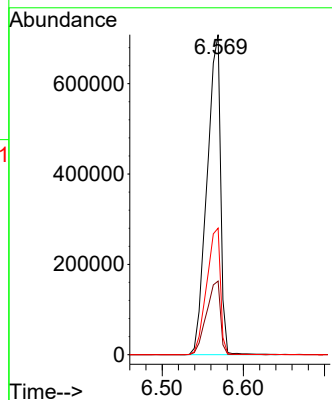
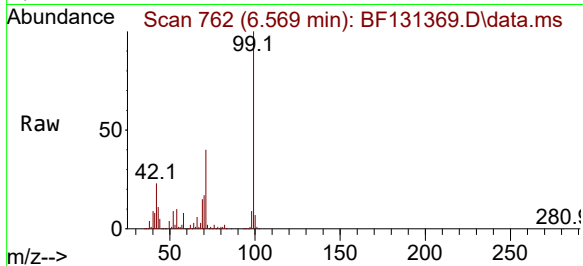




#7
Phenol-d6
Concen: 95.271 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

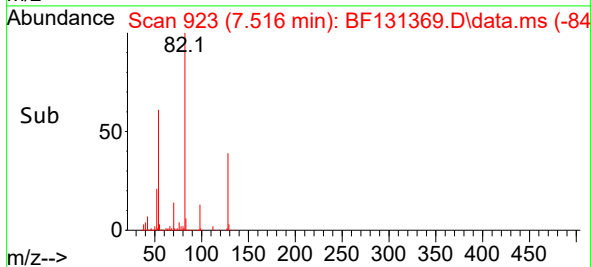
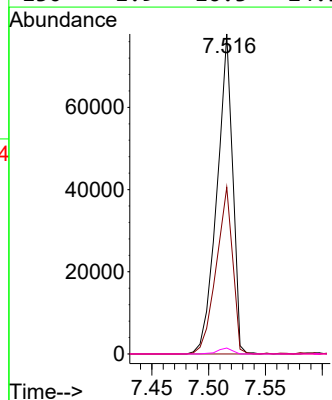
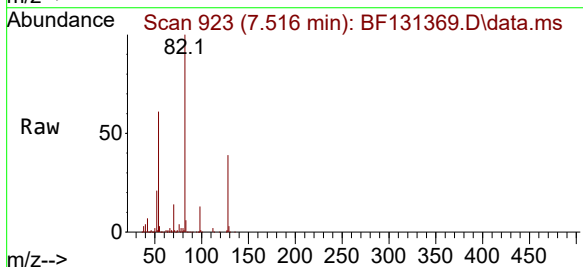
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-2

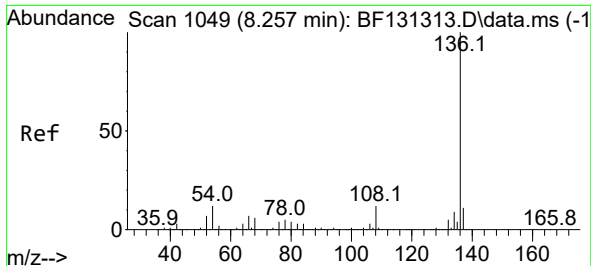
Tgt Ion: 99 Resp: 817120
Ion Ratio Lower Upper
99 100
42 23.0 19.4 29.2
71 39.5 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.967 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

Tgt Ion: 70 Resp: 75140
Ion Ratio Lower Upper
70 100
42 52.1 57.6 86.4#
101 0.0 8.2 12.2#
130 1.9 16.3 24.5#

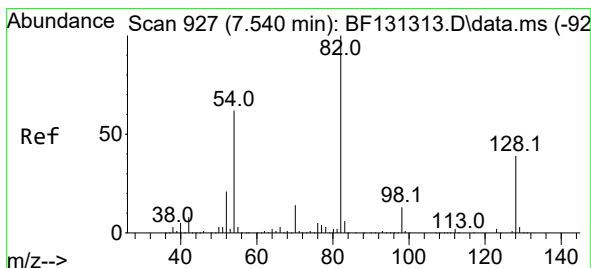
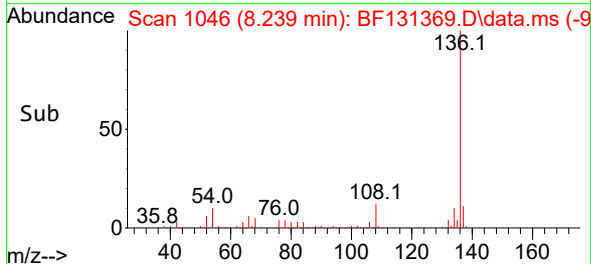
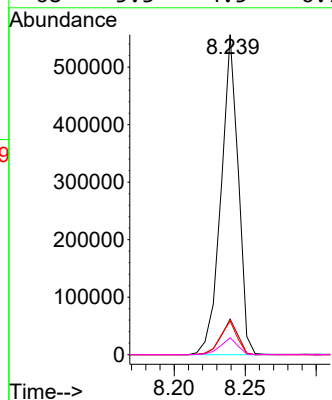
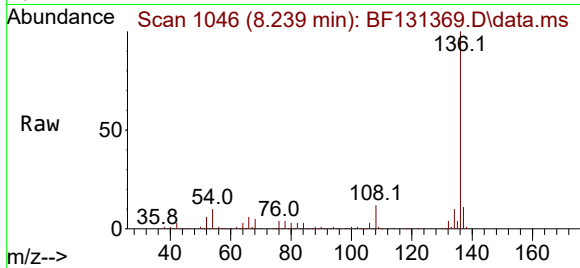




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

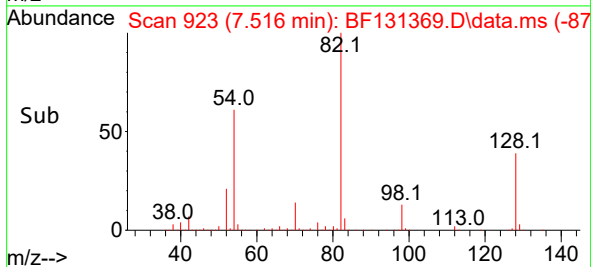
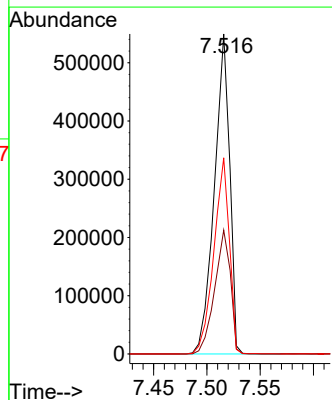
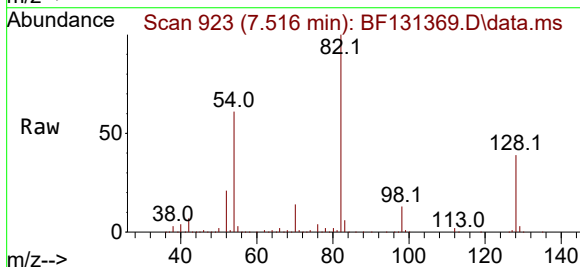
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-2

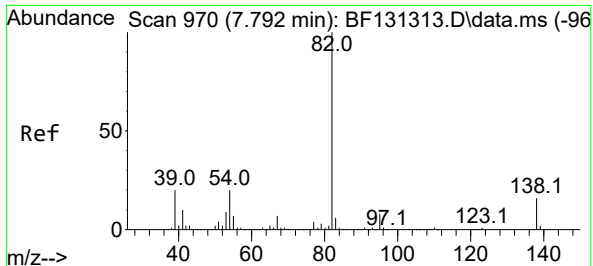
Tgt Ion:136 Resp: 466558
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.5 9.4 14.0
68 5.3 4.5 6.7



#23
Nitrobenzene-d5
Concen: 59.149 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

Tgt Ion: 82 Resp: 547459
Ion Ratio Lower Upper
82 100
128 38.7 31.4 47.0
54 61.3 49.8 74.6

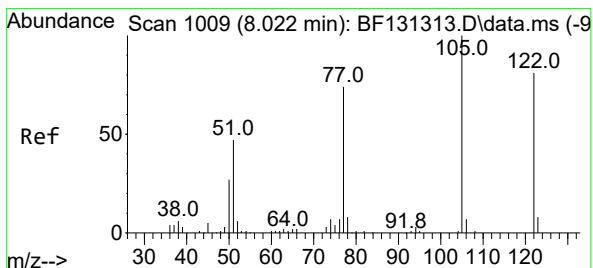
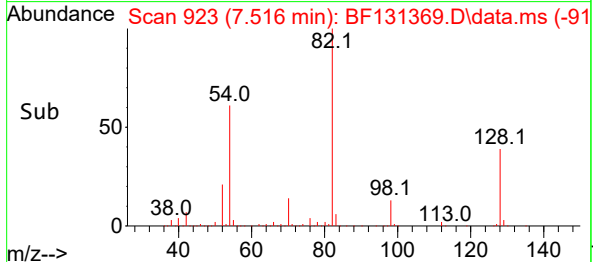
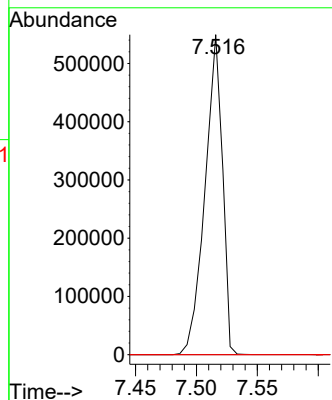
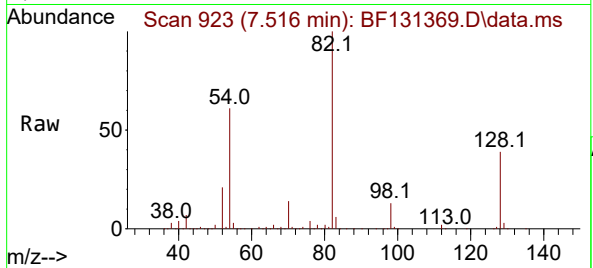




#25
Isophorone
Concen: 33.048 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

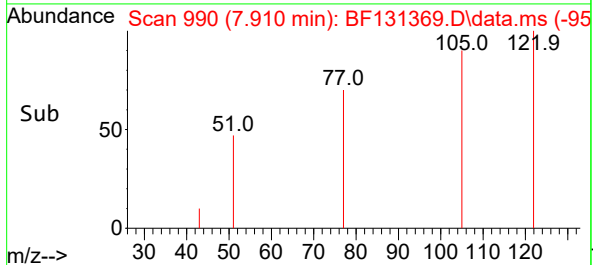
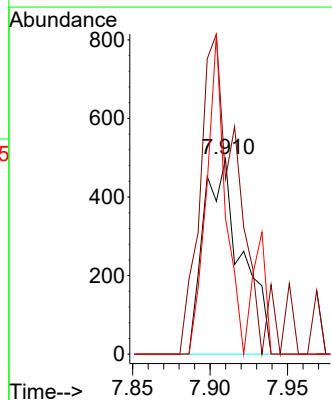
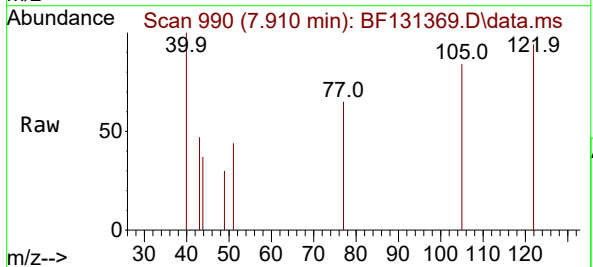
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-2

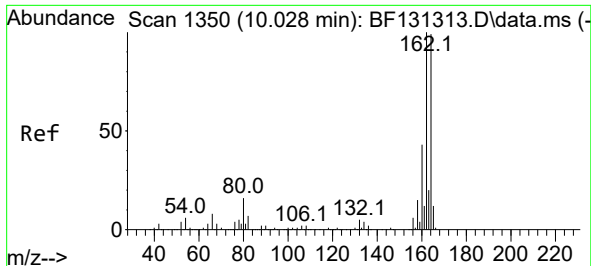
Tgt Ion: 82 Resp: 545713
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.377 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.088 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

Tgt Ion: 122 Resp: 847
Ion Ratio Lower Upper
122 100
105 89.7 103.8 143.8#
77 69.6 74.3 114.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-2

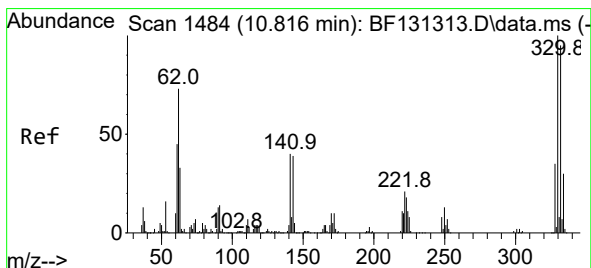
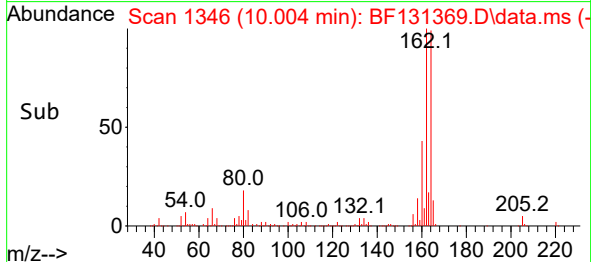
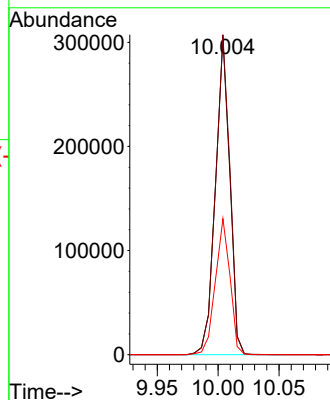
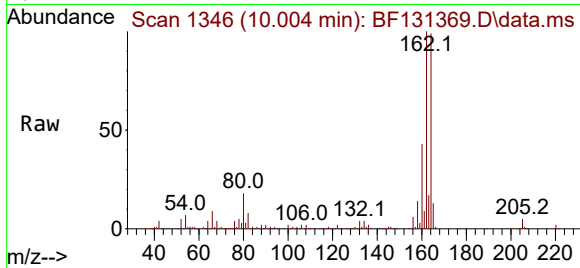
Tgt Ion:164 Resp: 250387

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

160 42.9 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 85.562 ng

RT: 10.798 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

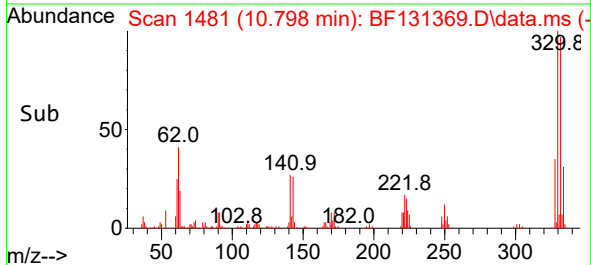
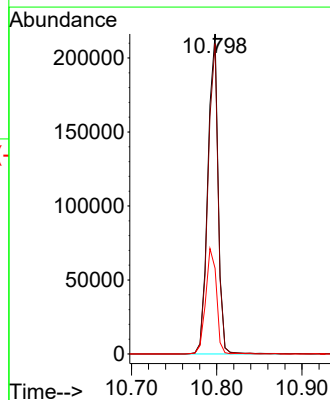
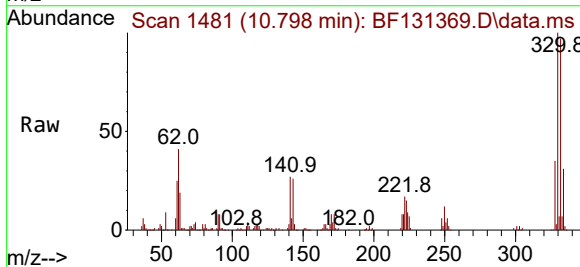
Tgt Ion:330 Resp: 180239

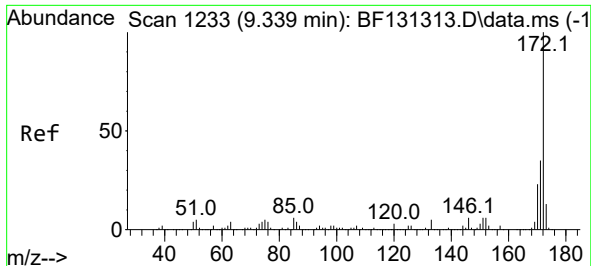
Ion Ratio Lower Upper

330 100

332 95.8 77.5 116.3

141 34.9 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 54.701 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-2

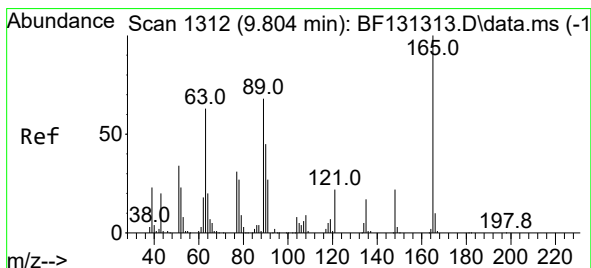
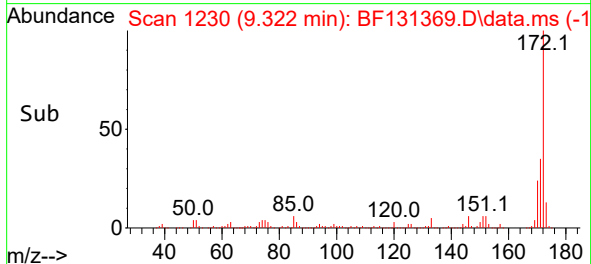
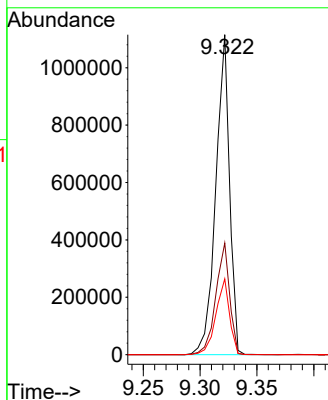
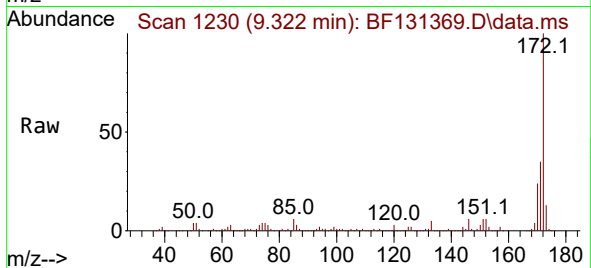
Tgt Ion:172 Resp: 941453

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.7 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.129 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

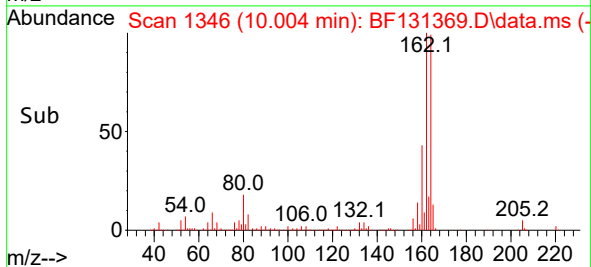
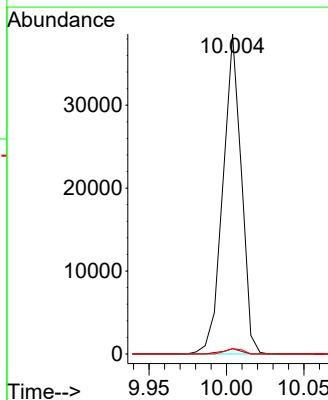
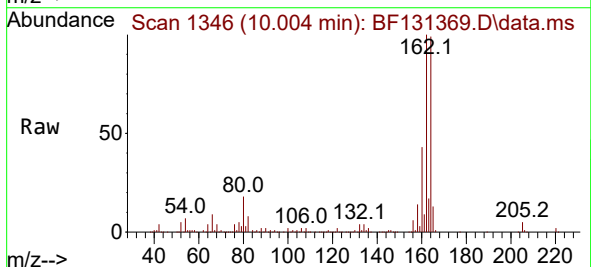
Tgt Ion:165 Resp: 31849

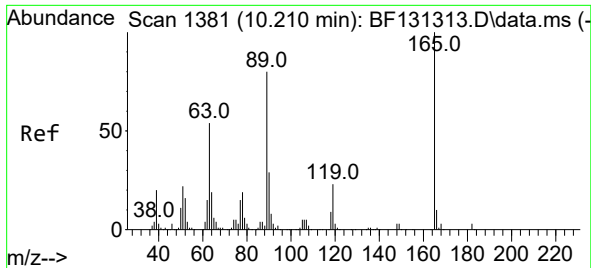
Ion Ratio Lower Upper

165 100

63 1.7 62.0 93.0#

89 1.7 54.4 81.6#

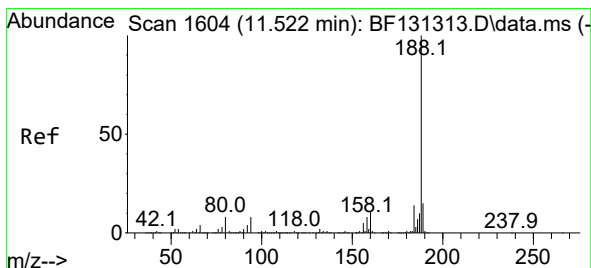
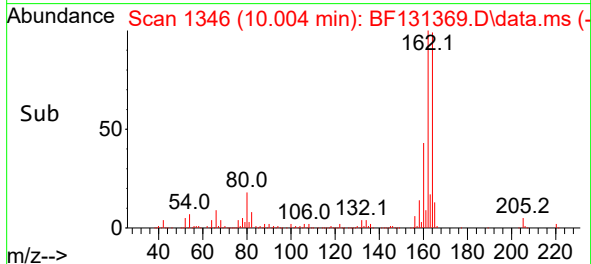
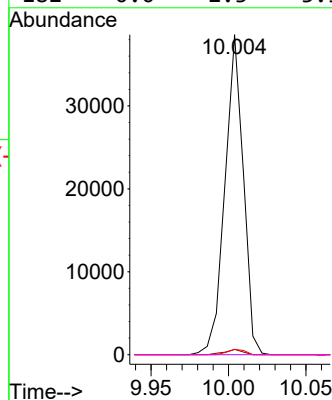
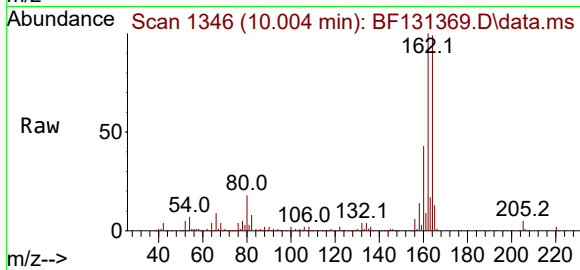




#57
2,4-Dinitrotoluene
Concen: 7.255 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

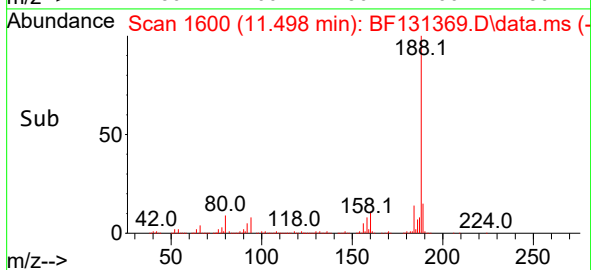
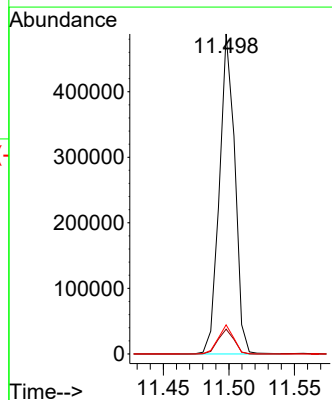
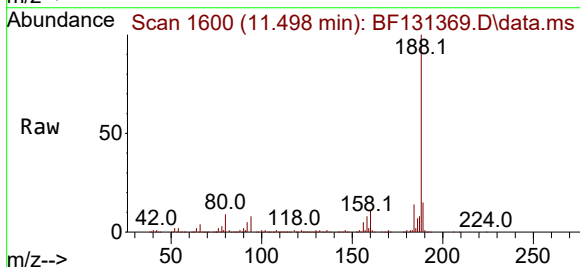
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-2

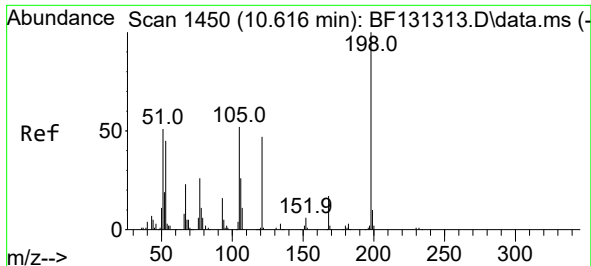
Tgt Ion:165 Resp: 31849
Ion Ratio Lower Upper
165 100
63 1.7 43.4 65.2#
89 1.7 64.0 96.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

Tgt Ion:188 Resp: 399792
Ion Ratio Lower Upper
188 100
94 7.8 6.3 9.5
80 9.1 6.8 10.2

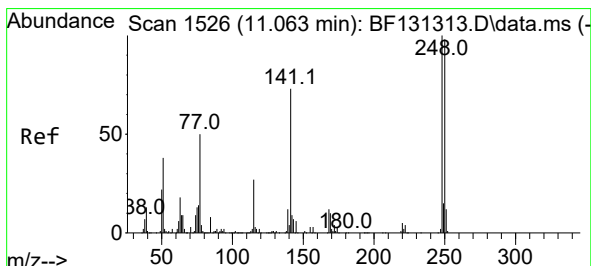
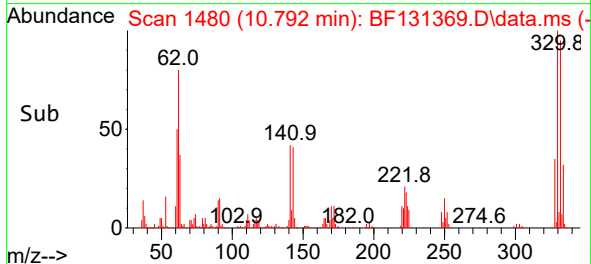
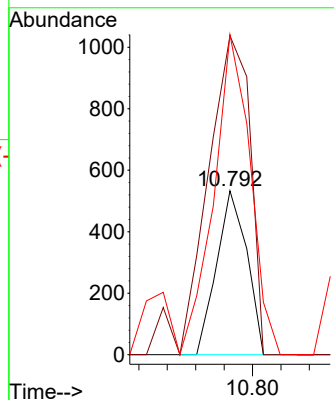
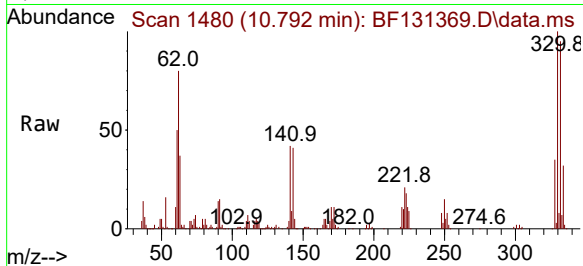




#65
4,6-Dinitro-2-methylphenol
Concen: 4.830 ng
RT: 10.792 min Scan# 1450
Delta R.T. 0.188 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

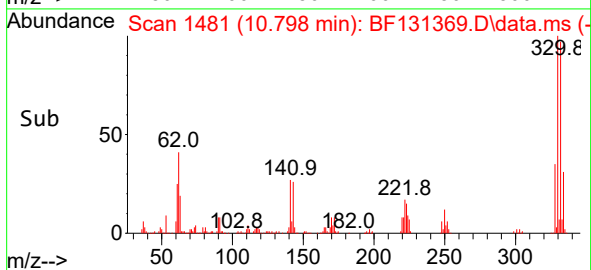
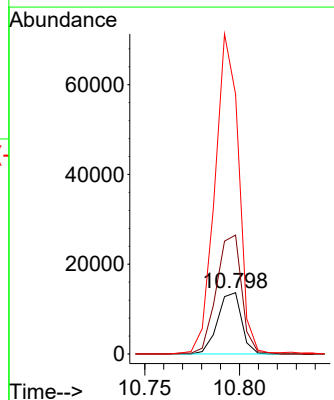
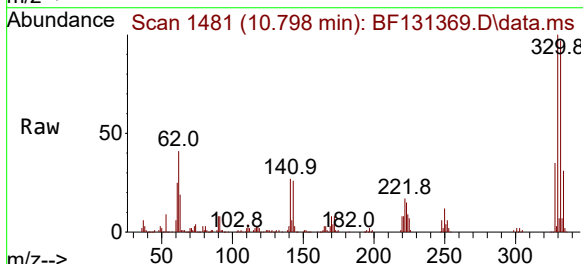
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-2

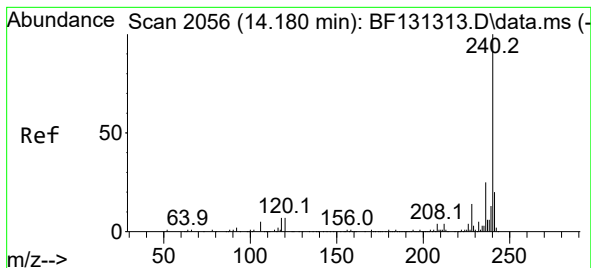
Tgt Ion:198 Resp: 393
Ion Ratio Lower Upper
198 100
51 194.7 50.1 90.1#
105 195.3 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 2.446 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.247 min
Lab File: BF131369.D
Acq: 23 Nov 2022 19:26

Tgt Ion:248 Resp: 11985
Ion Ratio Lower Upper
248 100
250 193.9 78.3 117.5#
141 423.8 58.0 87.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.012 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-2

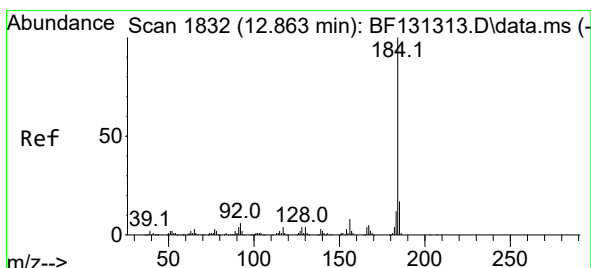
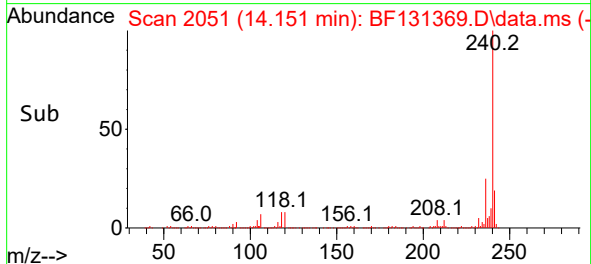
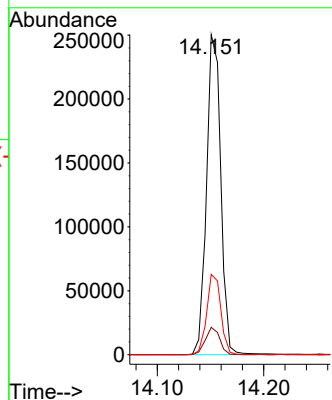
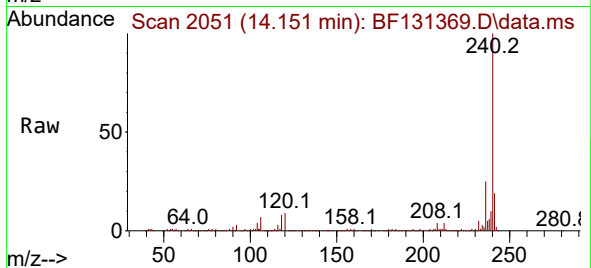
Tgt Ion:240 Resp: 233797

Ion Ratio Lower Upper

240 100

120 8.6 5.8 8.8

236 25.1 20.3 30.5



#77

Benzidine

Concen: 2.456 ng

RT: 13.092 min Scan# 1871

Delta R.T. 0.247 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

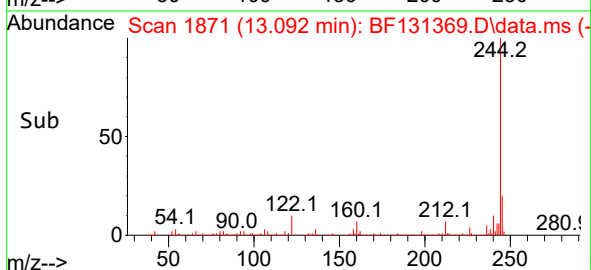
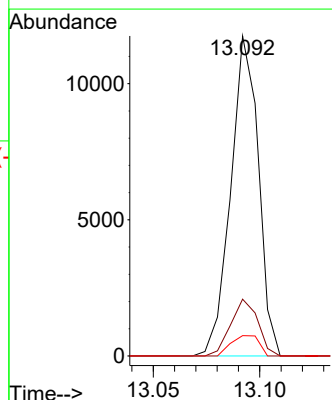
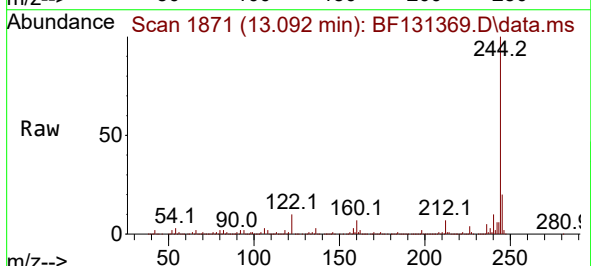
Tgt Ion:184 Resp: 10606

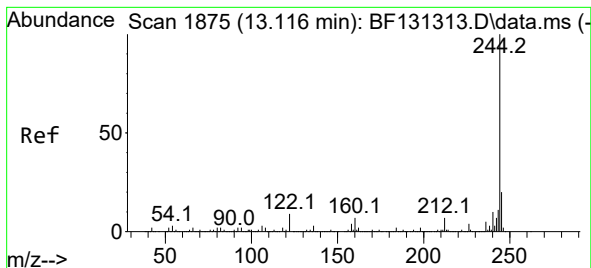
Ion Ratio Lower Upper

184 100

185 17.8 13.8 20.8

183 6.4 9.6 14.4#





#79

Terphenyl-d14

Concen: 54.858 ng

RT: 13.092 min Scan# 1875

Delta R.T. -0.006 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-2

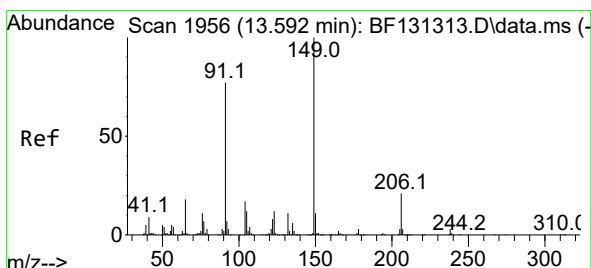
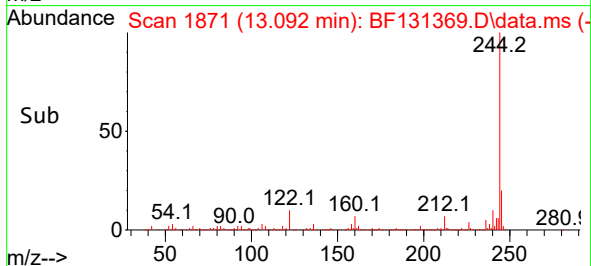
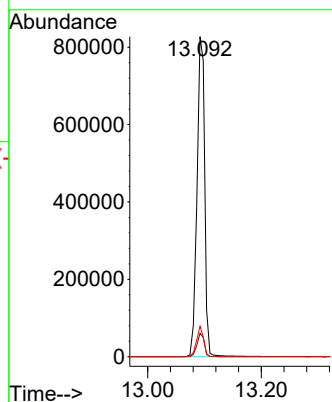
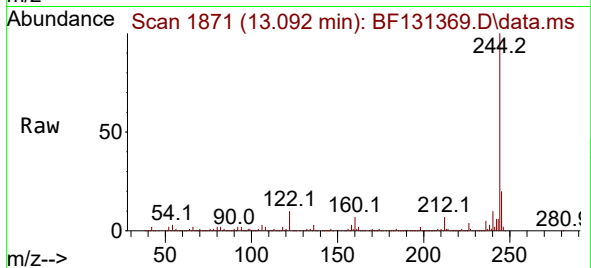
Tgt Ion:244 Resp: 784319

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 9.5 7.5 11.3



#80

Butylbenzylphthalate

Concen: 4.213 ng

RT: 13.568 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

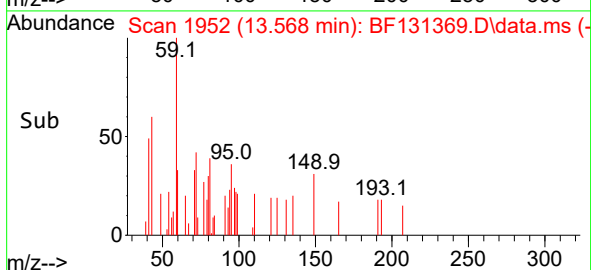
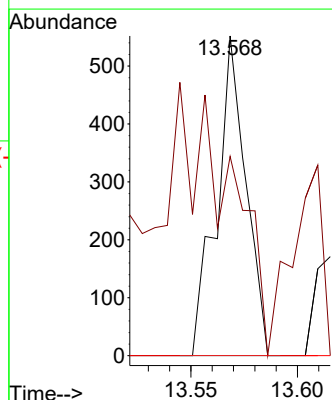
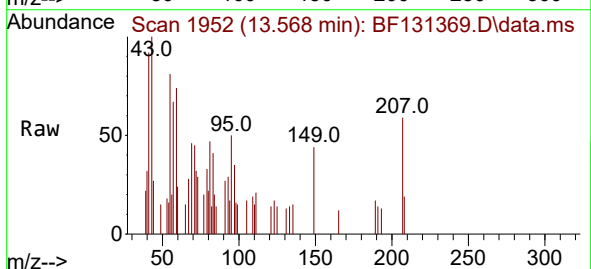
Tgt Ion:149 Resp: 525

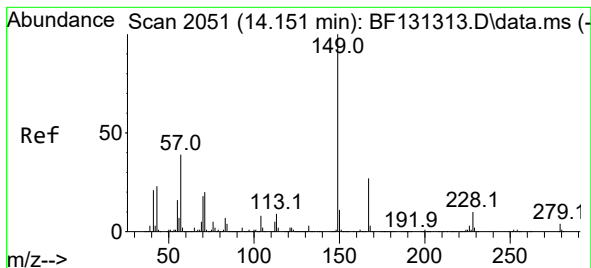
Ion Ratio Lower Upper

149 100

91 62.3 61.9 92.9

206 0.0 16.5 24.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.984 ng

RT: 14.127 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-2

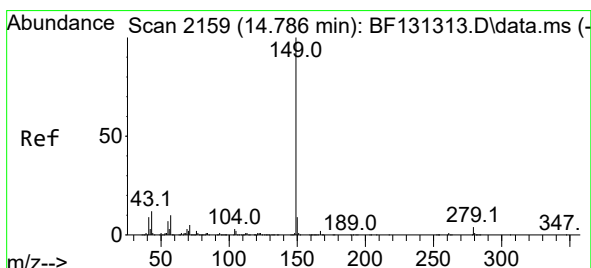
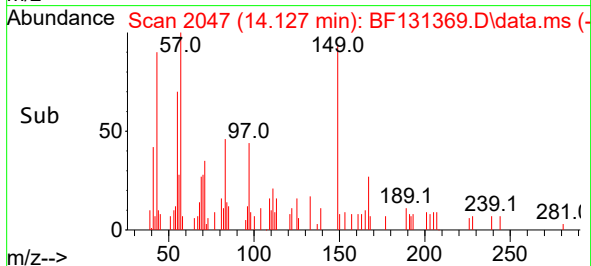
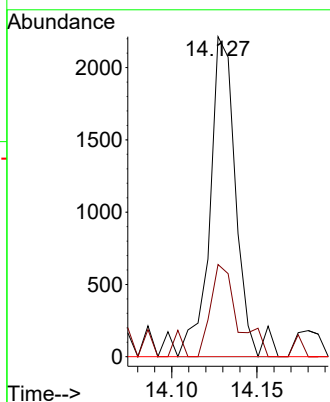
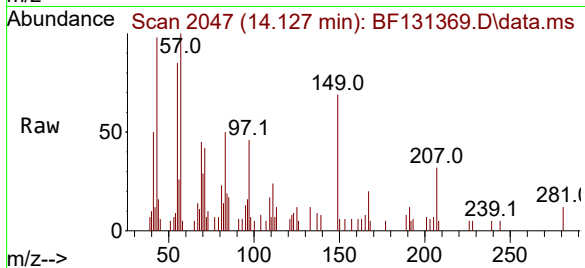
Tgt Ion:149 Resp: 2351

Ion Ratio Lower Upper

149 100

167 28.8 21.9 32.9

279 0.0 3.0 4.4#



#85

Di-n-octyl phthalate

Concen: 4.067 ng

RT: 14.715 min Scan# 2147

Delta R.T. -0.047 min

Lab File: BF131369.D

Acq: 23 Nov 2022 19:26

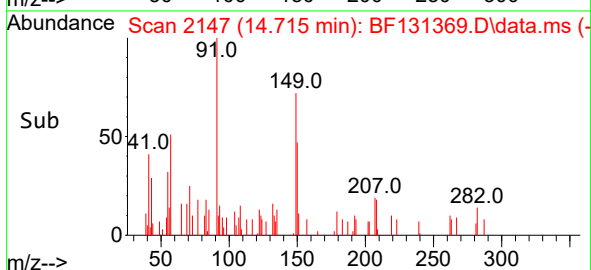
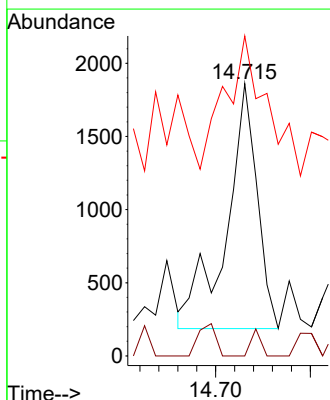
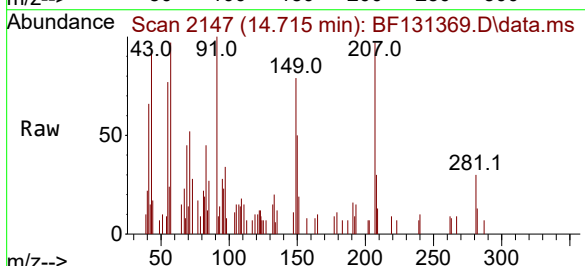
Tgt Ion:149 Resp: 1887

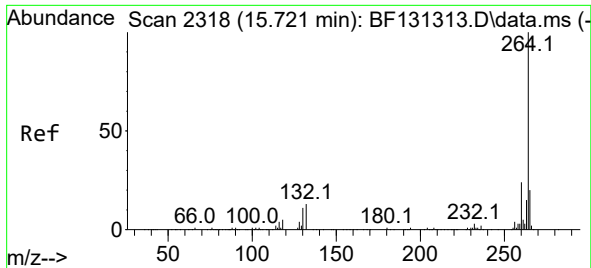
Ion Ratio Lower Upper

149 100

167 3.4 1.2 1.8#

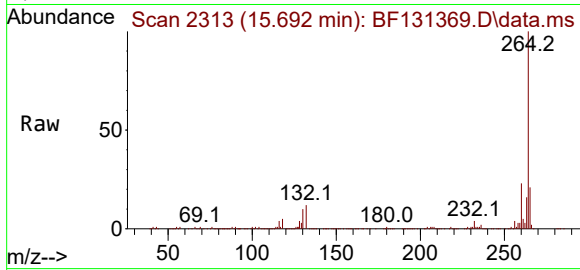
43 77.1 10.7 16.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF131369.D
 Acq: 23 Nov 2022 19:26

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-2



Tgt Ion:264 Resp: 214534
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.4
 265 20.6 16.4 24.6

