

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135649.D
 Acq On : 09 Oct 2023 13:31
 Operator : CG\JU
 Sample : 04778-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Quant Time: Oct 09 13:51:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

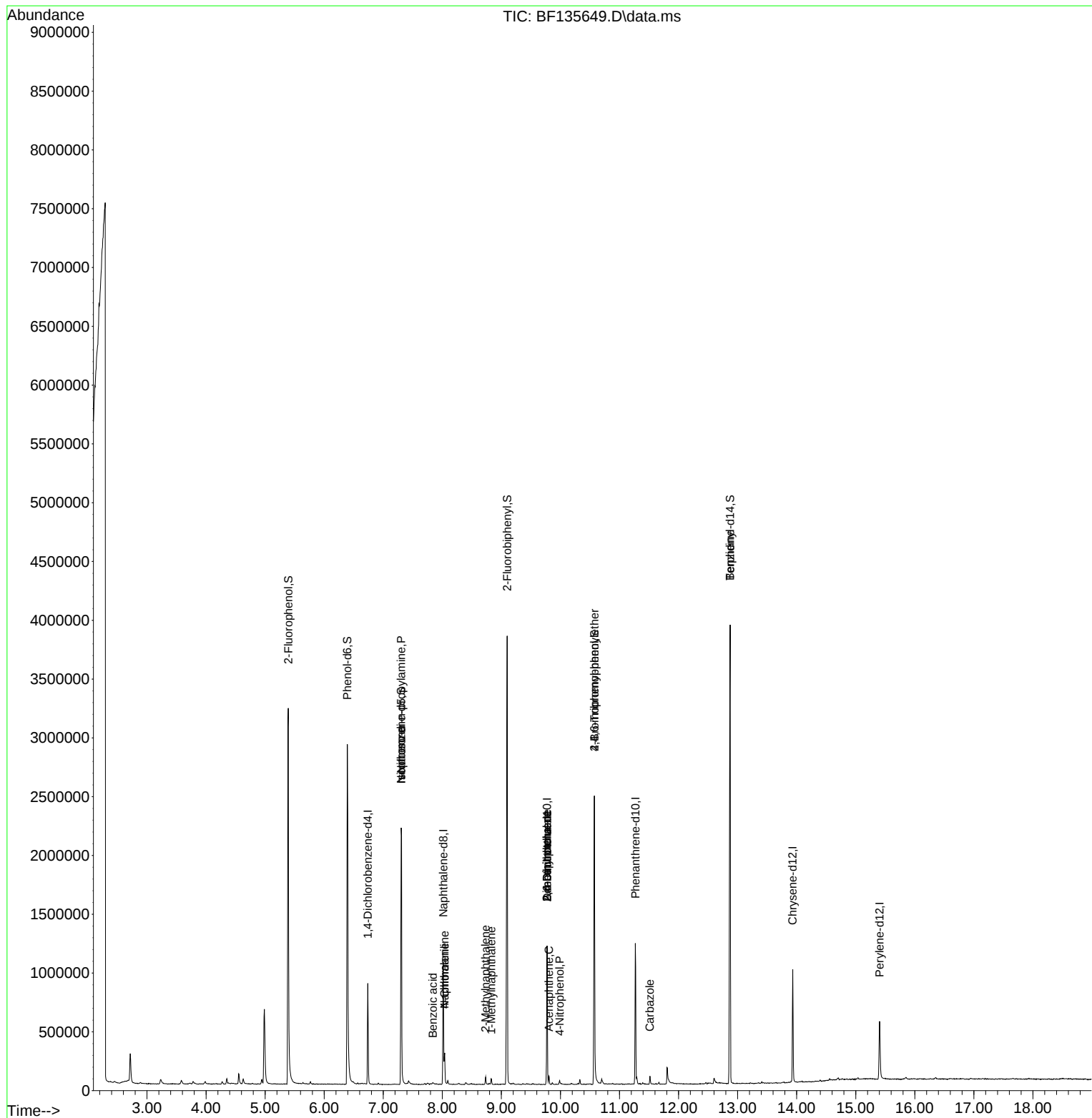
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	121323	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	452536	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	228618	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	452844	20.000	ng	0.00
76) Chrysene-d12	13.933	240	312718	20.000	ng	0.00
86) Perylene-d12	15.403	264	251115	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	975105	130.722	ng	0.02
7) Phenol-d6	6.392	99	1128893	119.018	ng	0.00
23) Nitrobenzene-d5	7.304	82	777132	93.299	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	314597	138.472	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1334624	88.076	ng	0.00
79) Terphenyl-d14	12.874	244	1519893	75.343	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	101669	17.305	ng	# 81
25) Isophorone	7.304	82	777123	50.809	ng	# 65
31) Naphthalene	8.039	128	117242	5.332	ng	99
32) Benzoic acid	7.839	122	6026	1.205	ng	# 31
33) 4-Chloroaniline	8.039	127	14776	1.532	ng	# 31
37) 2-Methylnaphthalene	8.733	142	17307	1.171	ng	96
38) 1-Methylnaphthalene	8.827	142	14502	1.048	ng	91
50) Dimethylphthalate	9.774	163	43327	2.803	ng	# 1
51) 2,6-Dinitrotoluene	9.774	165	28611	8.450	ng	# 17
52) Acenaphthene	9.804	154	16141	1.290	ng	98
56) 4-Nitrophenol	9.986	139	4691	1.857	ng	# 5
57) 2,4-Dinitrotoluene	9.774	165	28611	6.749	ng	# 19
67) 4-Bromophenyl-phenylether	10.574	248	19888	4.416	ng	# 1
73) Carbazole	11.515	167	27173	1.356	ng	97
77) Benzidine	12.874	184	19489	3.042	ng	# 96

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

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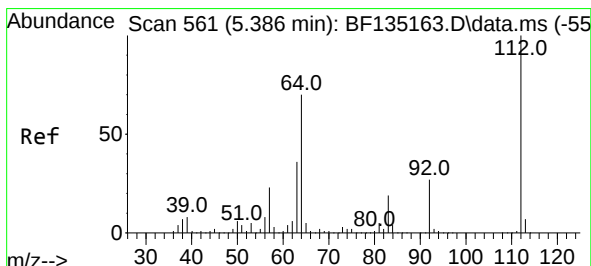
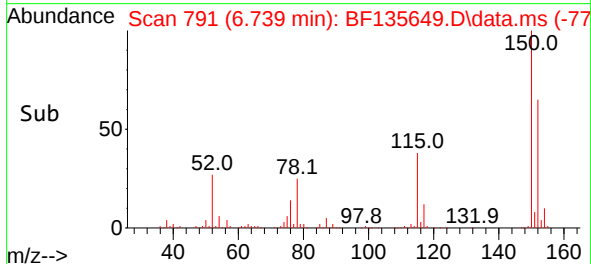
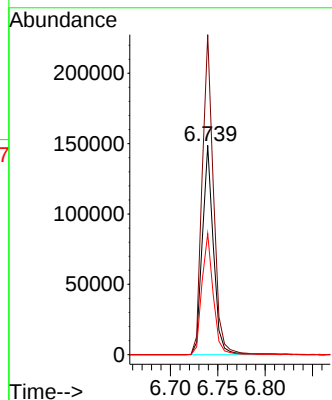
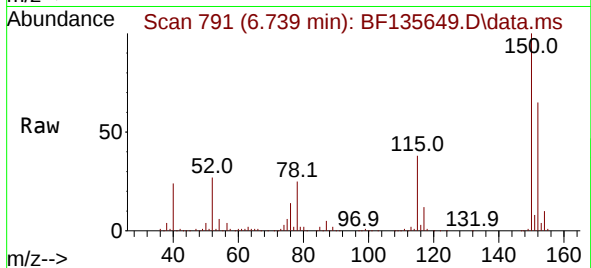




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

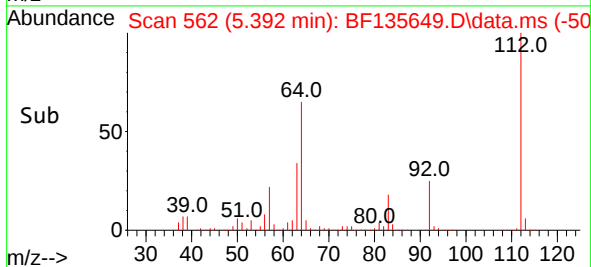
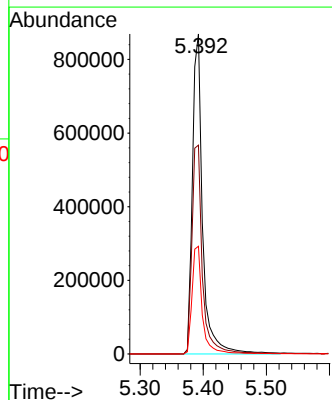
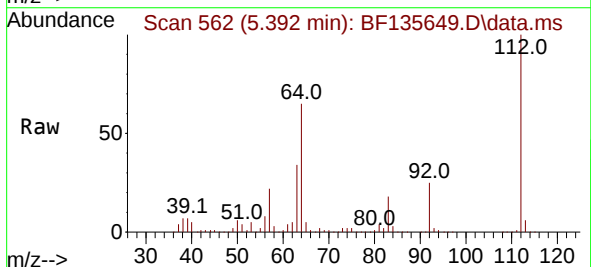
Instrument :
BNA_F
ClientSampleId :
SOIL-3

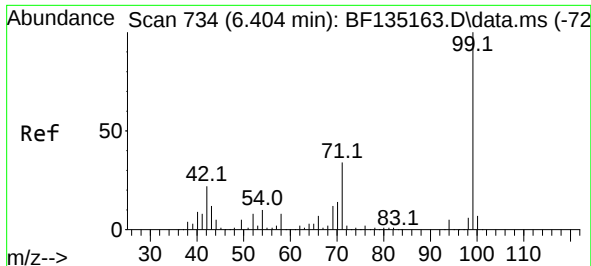
Tgt Ion:152 Resp: 121323
Ion Ratio Lower Upper
152 100
150 152.9 127.8 191.6
115 57.9 49.8 74.8



#5
2-Fluorophenol
Concen: 130.722 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.023 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:112 Resp: 975105
Ion Ratio Lower Upper
112 100
64 65.3 55.9 83.9
63 33.6 29.0 43.6

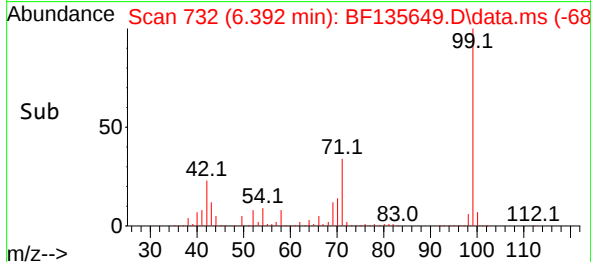
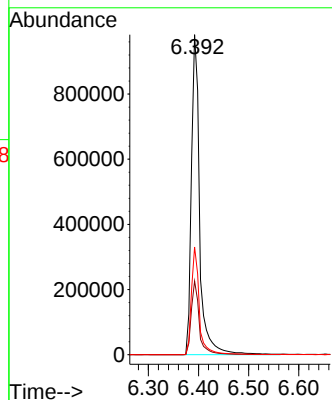
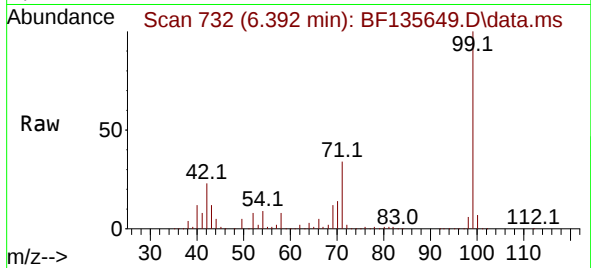




#7
Phenol-d6
Concen: 119.018 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

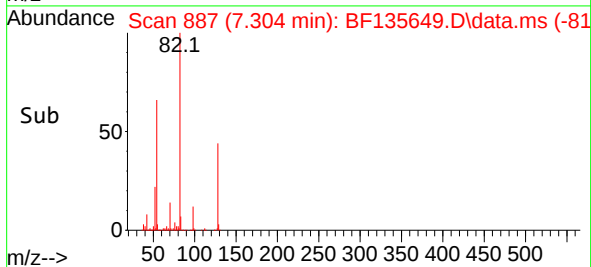
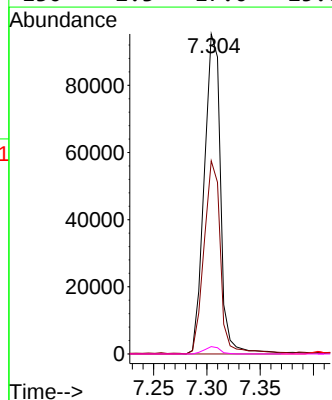
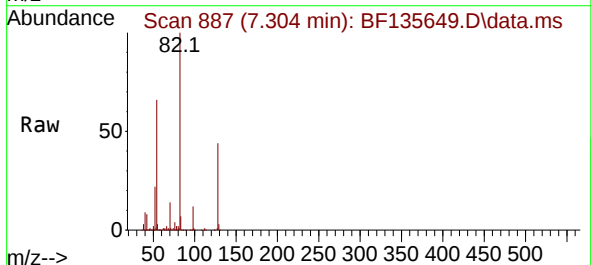
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion: 99 Resp: 1128893
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 33.7 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.305 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion: 70 Resp: 101669
Ion Ratio Lower Upper
70 100
42 60.3 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

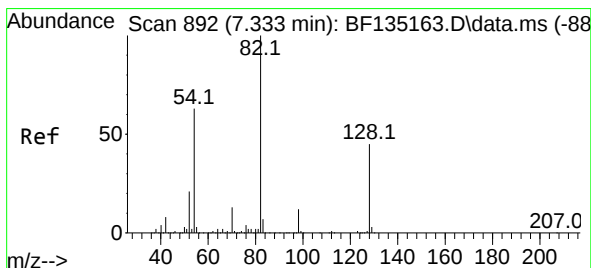
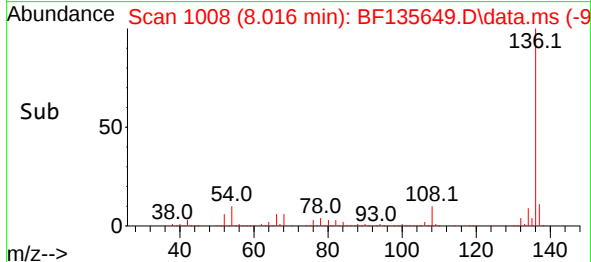
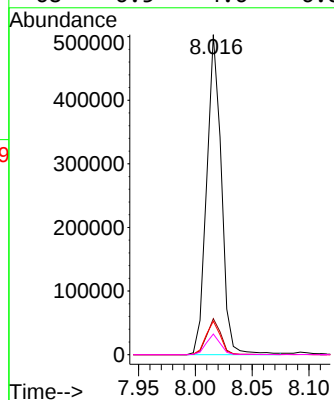
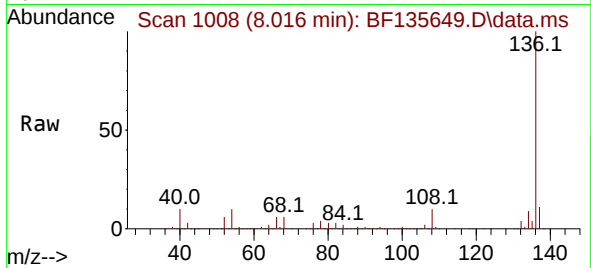




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

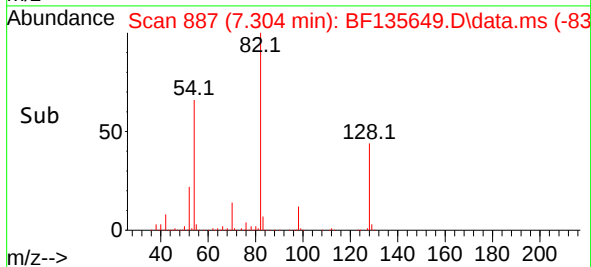
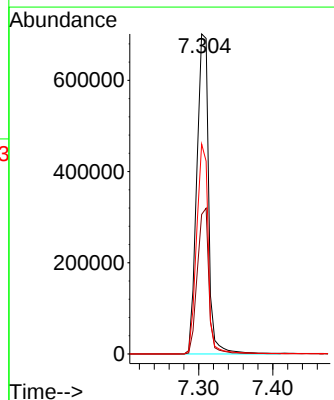
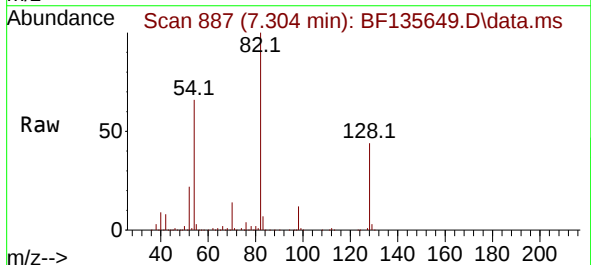
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt	Ion:136	Resp:	452536
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.5	7.7	11.5
68	6.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 93.299 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion: 82	Resp: 777132
Ion Ratio	Lower Upper
82 100	
128 43.6	35.8 53.6
54 65.6	50.6 76.0

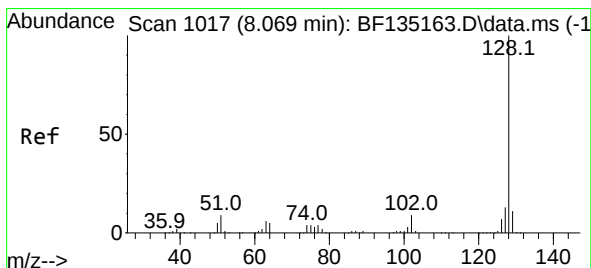
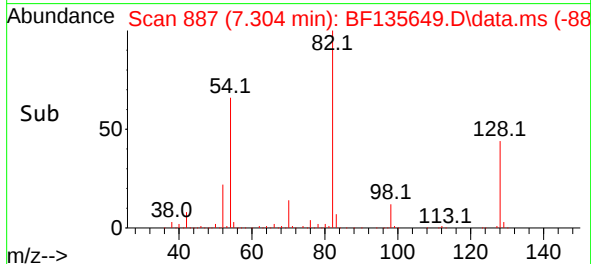
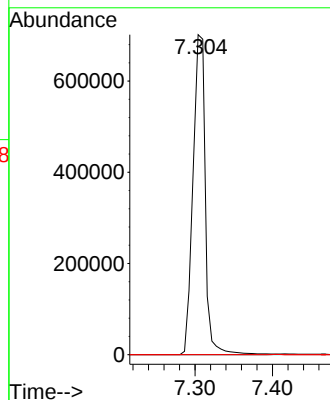
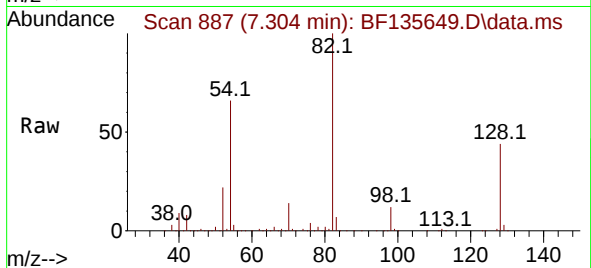




#25
Isophorone
Concen: 50.809 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

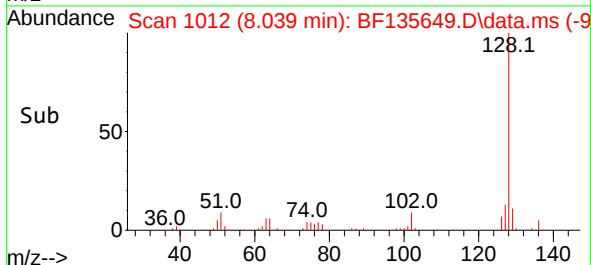
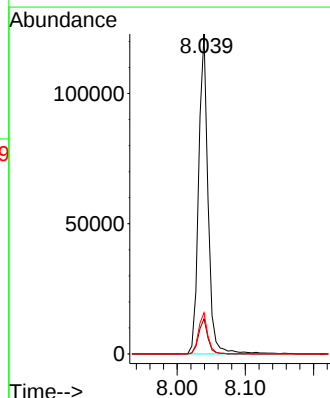
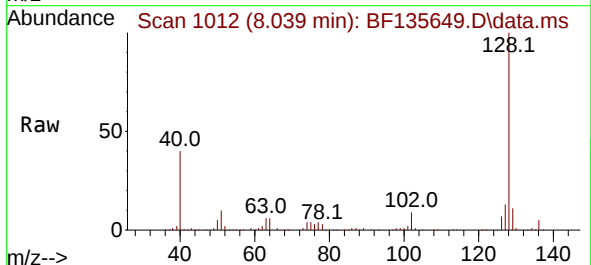
Instrument :
BNA_F
ClientSampleId :
SOIL-3

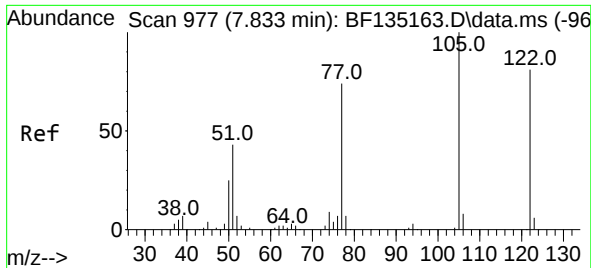
Tgt Ion: 82 Resp: 777123
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 5.332 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:128 Resp: 117242
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.7 16.1

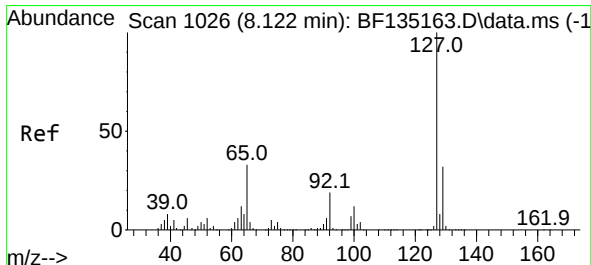
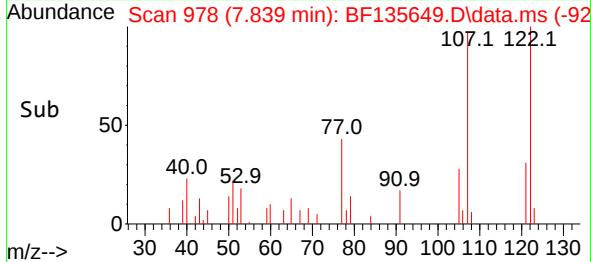
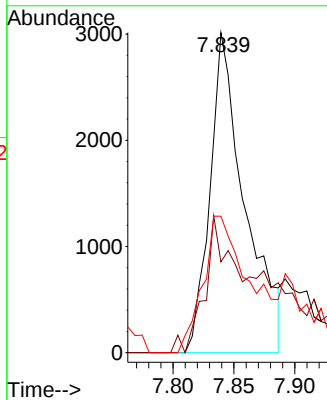
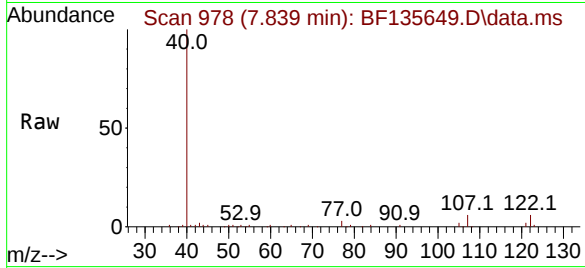




#32
Benzoic acid
Concen: 1.205 ng
RT: 7.839 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

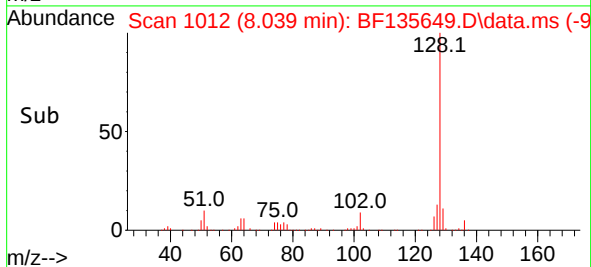
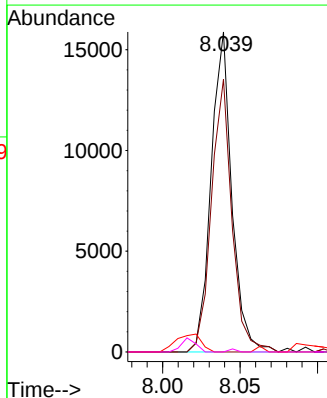
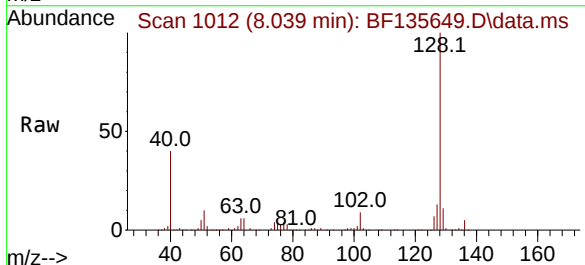
Instrument :
BNA_F
ClientSampleId :
SOIL-3

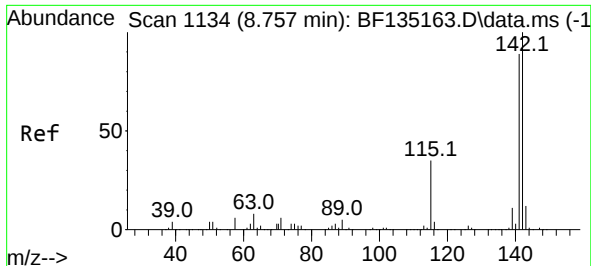
Tgt Ion:122 Resp: 6026
Ion Ratio Lower Upper
122 100
105 28.4 99.9 139.9#
77 42.6 70.0 110.0#



#33
4-Chloroaniline
Concen: 1.532 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.059 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:127 Resp: 14776
Ion Ratio Lower Upper
127 100
129 85.3 25.8 38.8#
65 0.0 26.6 39.8#
92 0.0 15.4 23.2#





#37

2-Methylnaphthalene

Concen: 1.171 ng

RT: 8.733 min Scan# 1130

Delta R.T. -0.000 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

BNA_F

ClientSampleId :

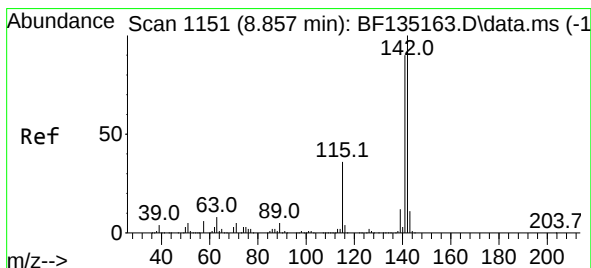
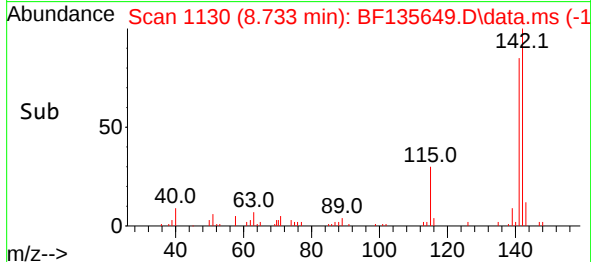
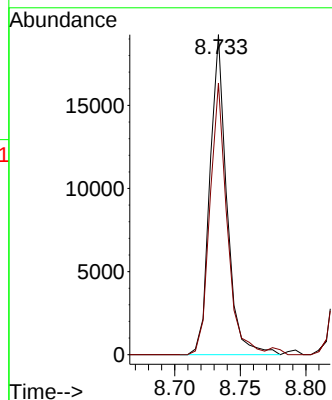
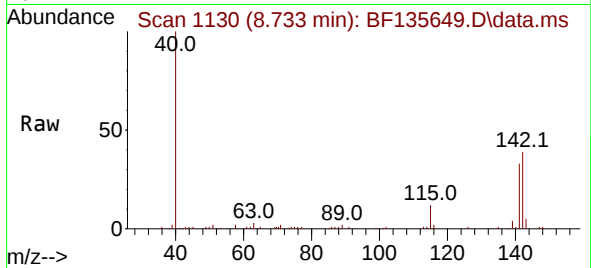
SOIL-3

Tgt Ion:142 Resp: 17307

Ion Ratio Lower Upper

142 100

141 84.9 71.0 106.6



#38

1-Methylnaphthalene

Concen: 1.048 ng

RT: 8.827 min Scan# 1146

Delta R.T. -0.000 min

Lab File: BF135649.D

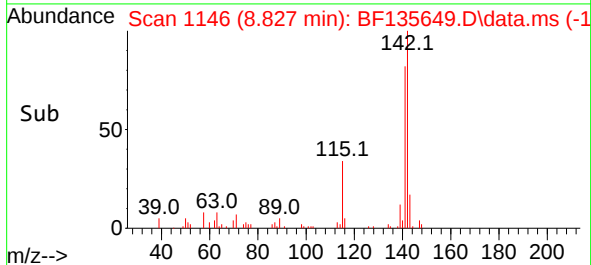
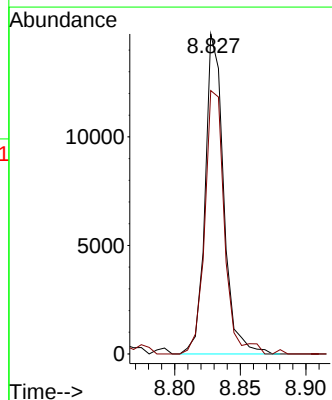
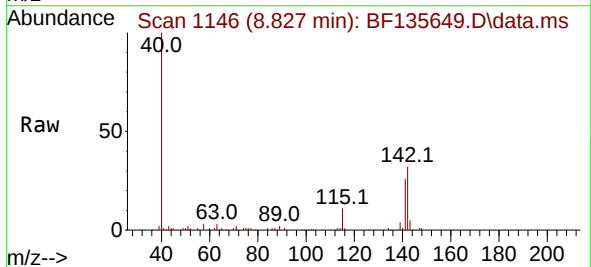
Acq: 09 Oct 2023 13:31

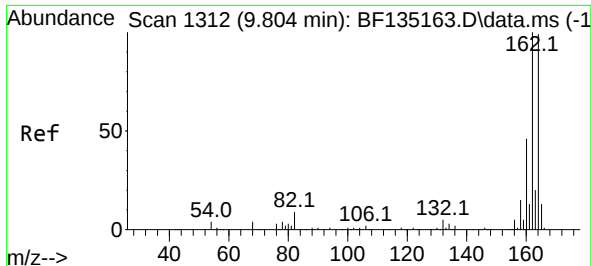
Tgt Ion:142 Resp: 14502

Ion Ratio Lower Upper

142 100

141 82.3 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

BNA_F

ClientSampleId :

SOIL-3

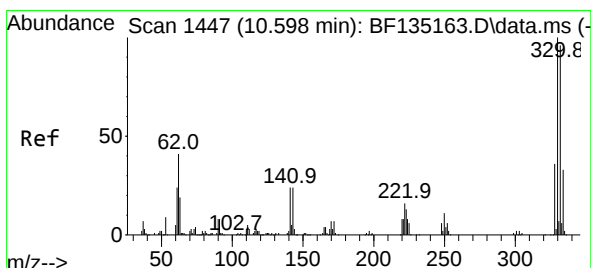
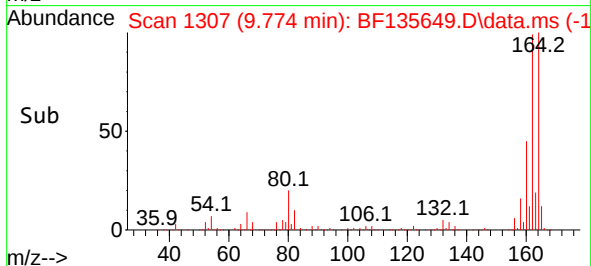
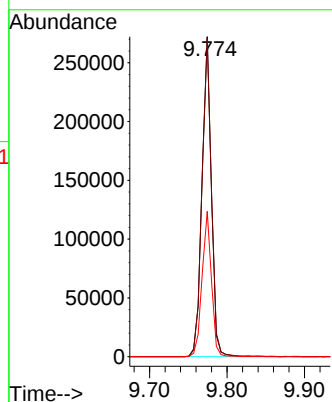
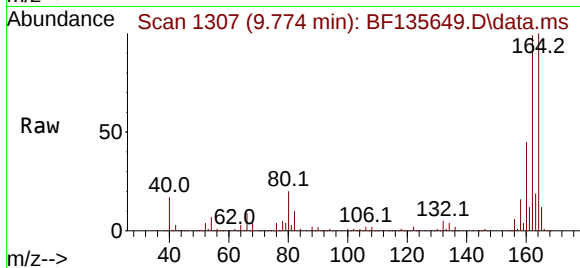
Tgt Ion:164 Resp: 228618

Ion Ratio Lower Upper

164 100

162 99.5 81.0 121.4

160 45.4 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 138.472 ng

RT: 10.574 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

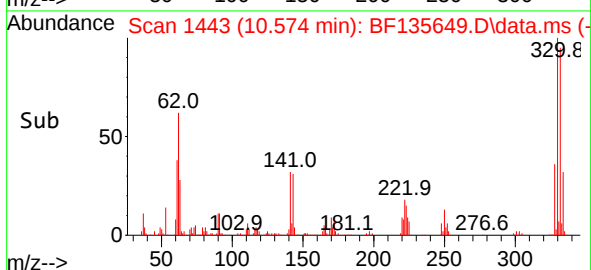
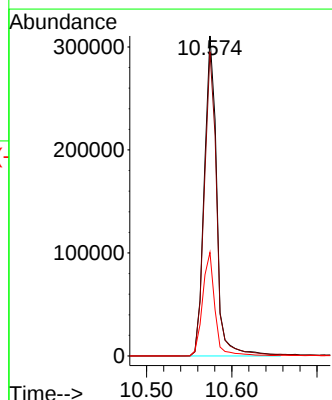
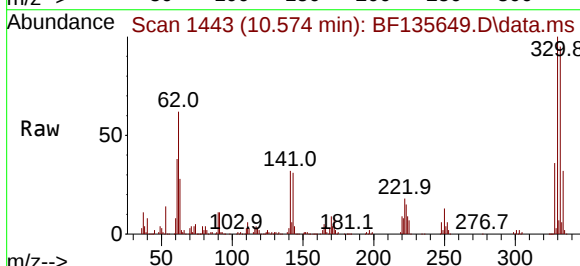
Tgt Ion:330 Resp: 314597

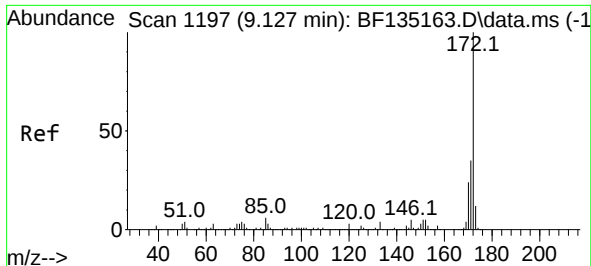
Ion Ratio Lower Upper

330 100

332 95.3 77.3 115.9

141 32.3 25.8 38.8

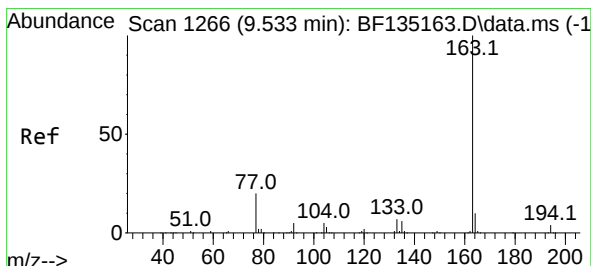
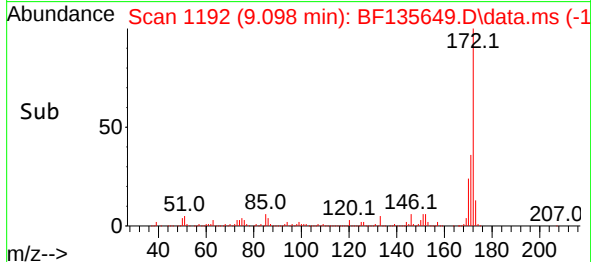
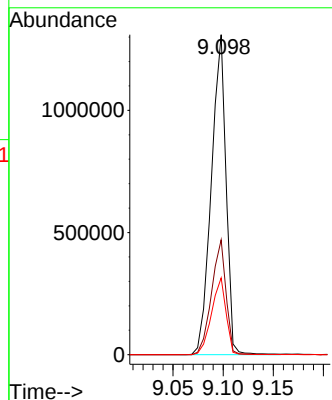
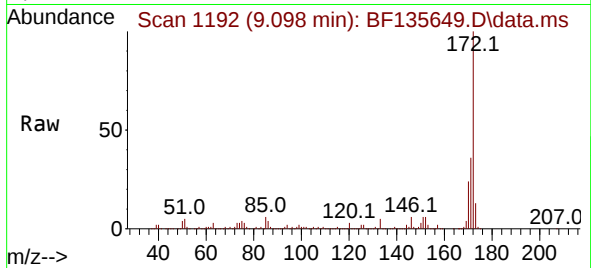




#45
2-Fluorobiphenyl
Concen: 88.076 ng
RT: 9.098 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

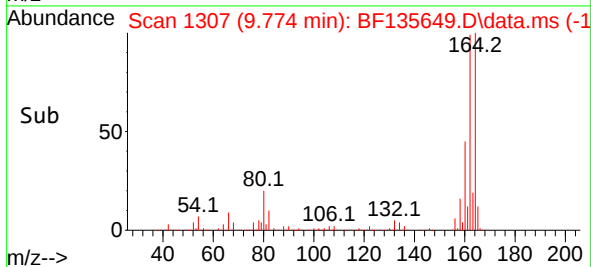
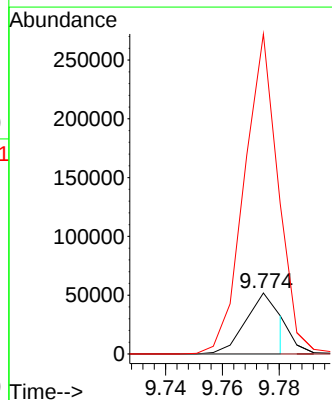
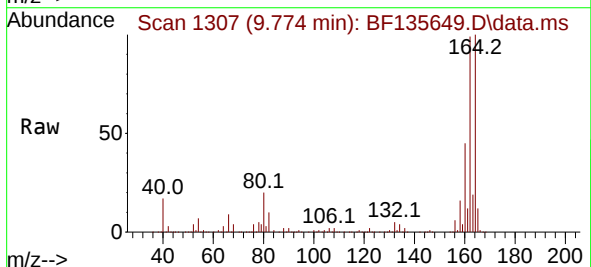
Instrument :
BNA_F
ClientSampleId :
SOIL-3

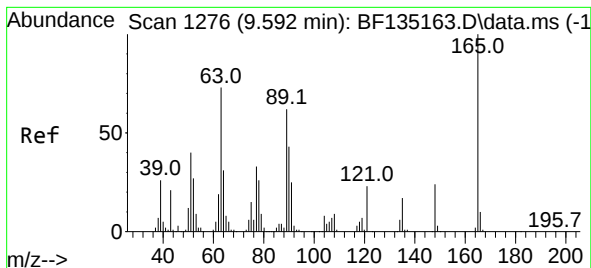
Tgt Ion:172 Resp: 1334624
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.0 19.0 28.4



#50
Dimethylphthalate
Concen: 2.803 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.271 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:163 Resp: 43327
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 524.5 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.450 ng

RT: 9.774 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

BNA_F

ClientSampleId :

SOIL-3

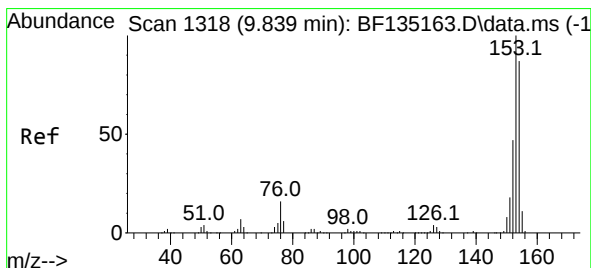
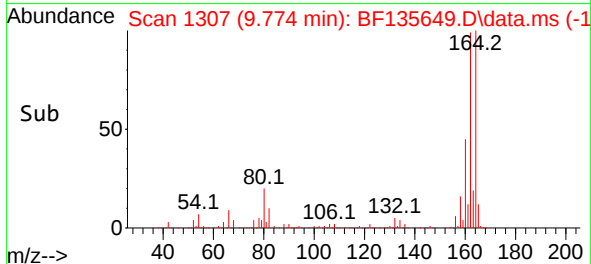
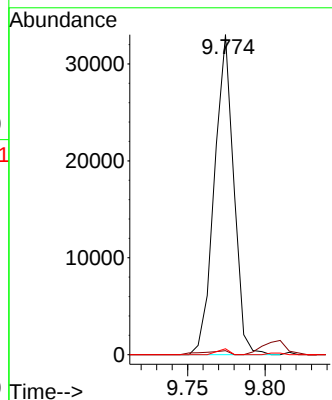
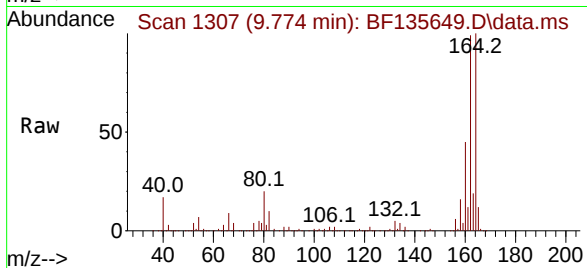
Tgt Ion:165 Resp: 28611

Ion Ratio Lower Upper

165 100

63 1.2 59.4 89.2#

89 1.8 49.8 74.8#



#52

Acenaphthene

Concen: 1.290 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

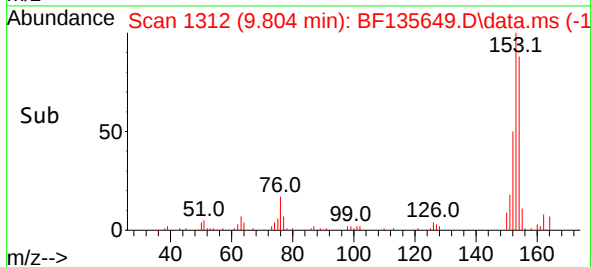
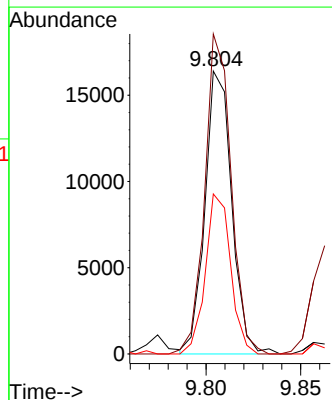
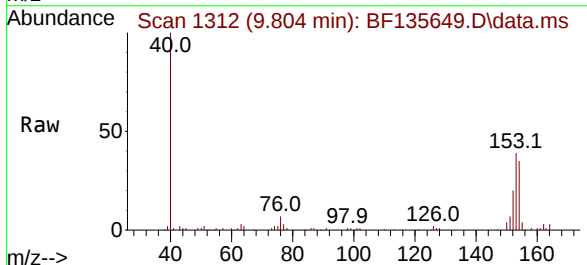
Tgt Ion:154 Resp: 16141

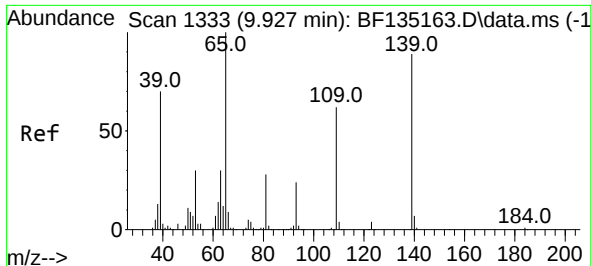
Ion Ratio Lower Upper

154 100

153 113.1 92.1 138.1

152 56.6 43.1 64.7

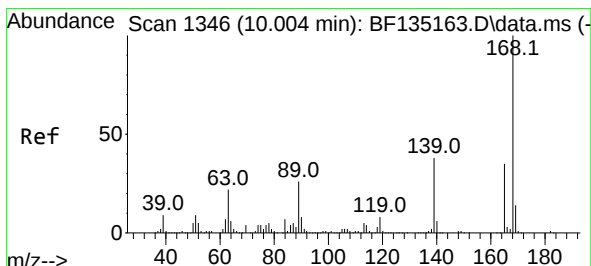
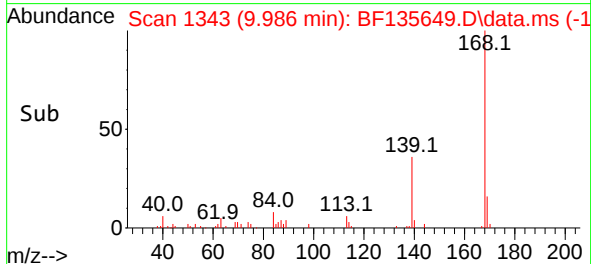
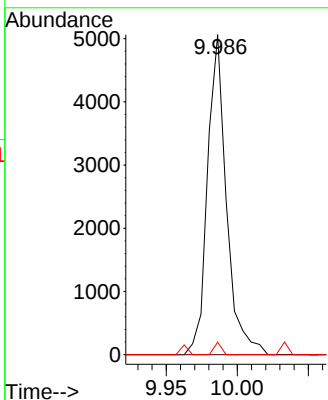
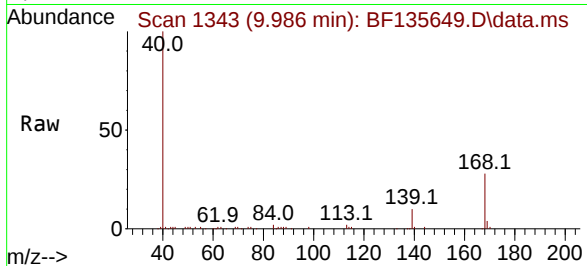




#56
4-Nitrophenol
Concen: 1.857 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

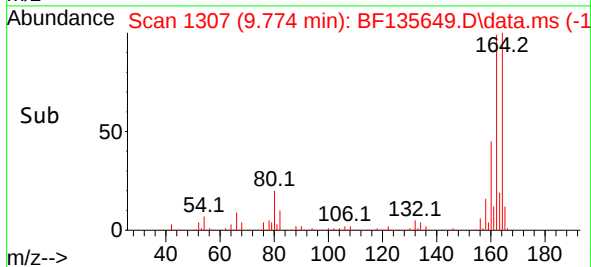
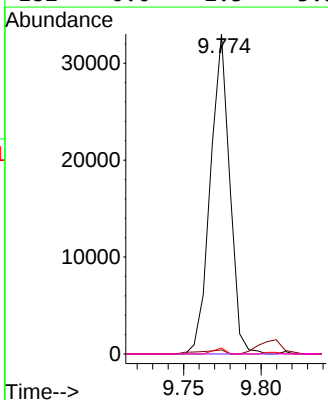
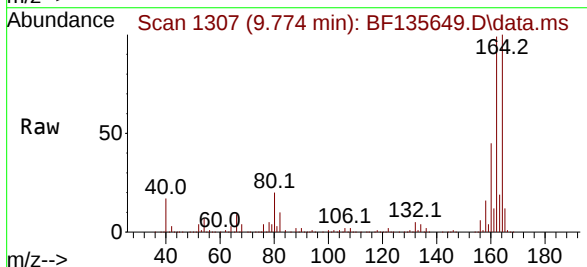
Instrument :
BNA_F
ClientSampleId :
SOIL-3

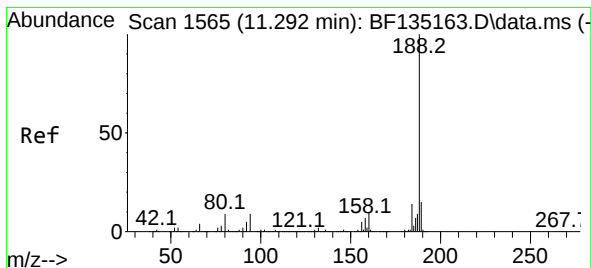
Tgt Ion:139 Resp: 4691
Ion Ratio Lower Upper
139 100
109 0.0 49.8 89.8#
65 3.9 92.7 132.7#



#57
2,4-Dinitrotoluene
Concen: 6.749 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:165 Resp: 28611
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.8 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.268 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

BNA_F

ClientSampleId :

SOIL-3

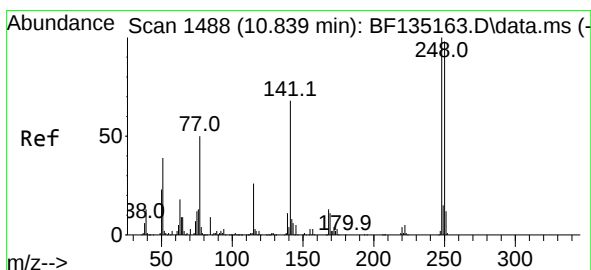
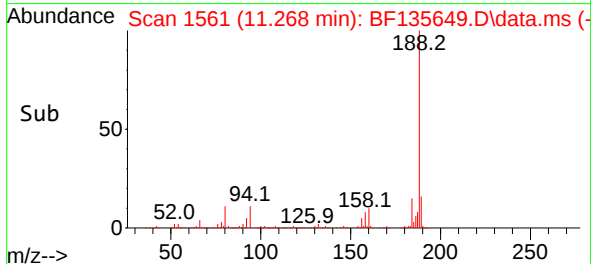
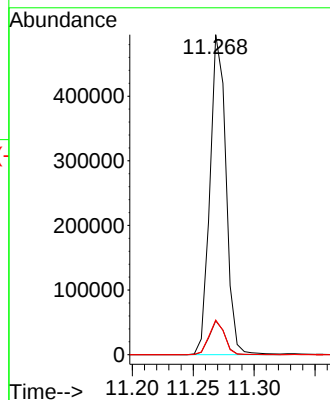
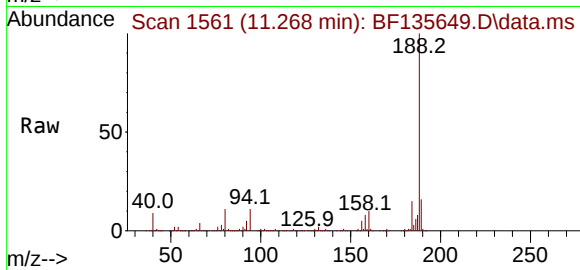
Tgt Ion:188 Resp: 452844

Ion Ratio Lower Upper

188 100

94 10.5 7.0 10.6

80 10.9 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.416 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.235 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

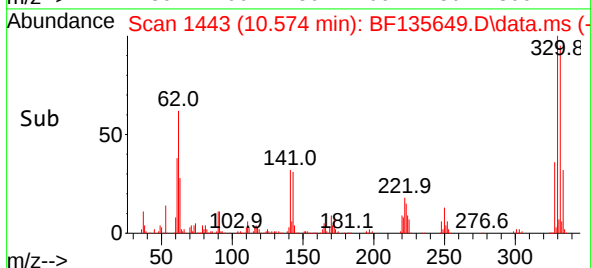
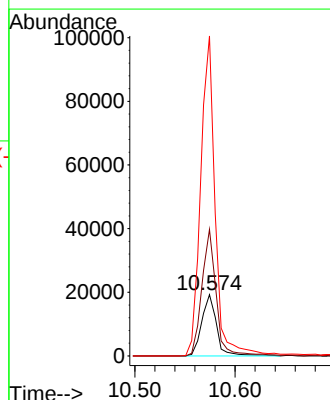
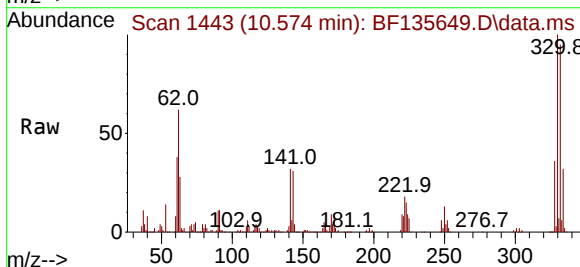
Tgt Ion:248 Resp: 19888

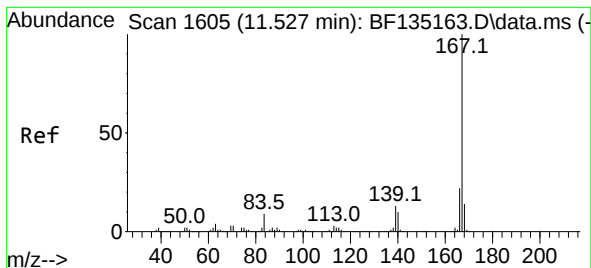
Ion Ratio Lower Upper

248 100

250 206.8 78.6 117.8#

141 522.5 54.2 81.2#





#73

Carbazole

Concen: 1.356 ng

RT: 11.515 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

BNA_F

ClientSampleId :

SOIL-3

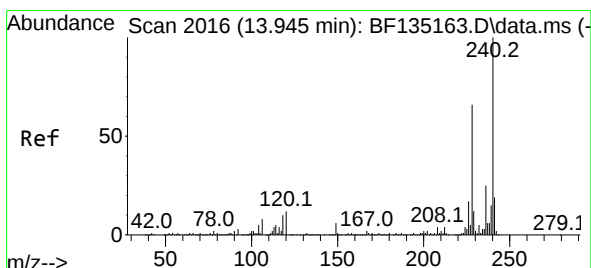
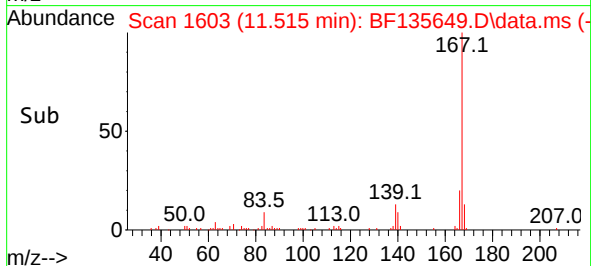
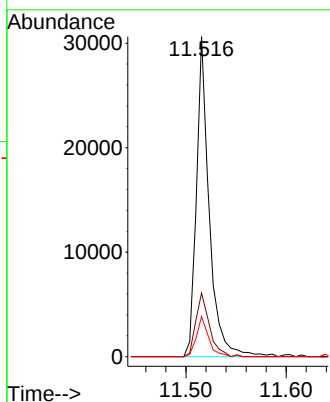
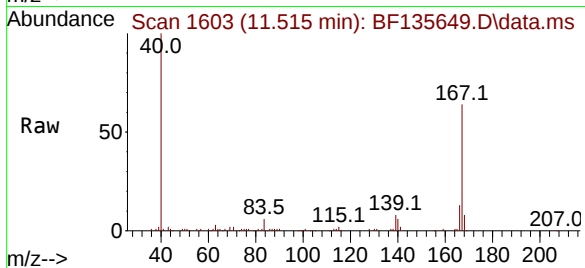
Tgt Ion:167 Resp: 27173

Ion Ratio Lower Upper

167 100

166 19.9 17.4 26.0

139 12.5 10.6 15.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

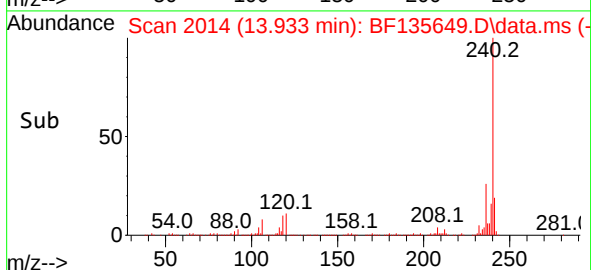
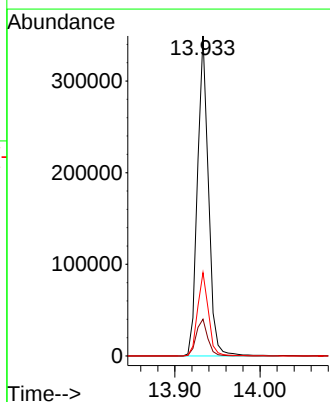
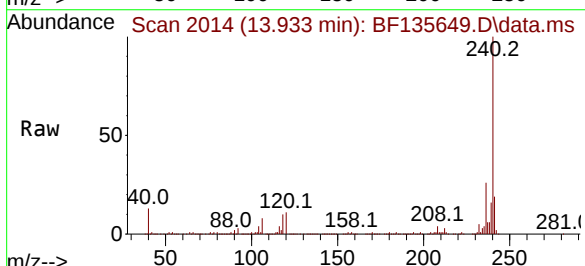
Tgt Ion:240 Resp: 312718

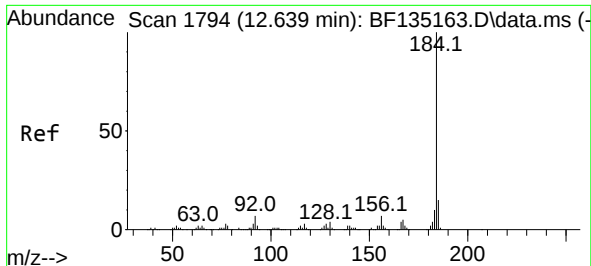
Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 26.0 19.8 29.8

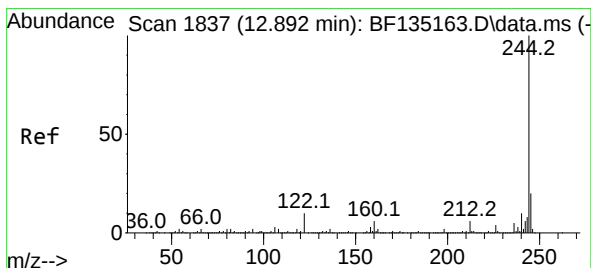
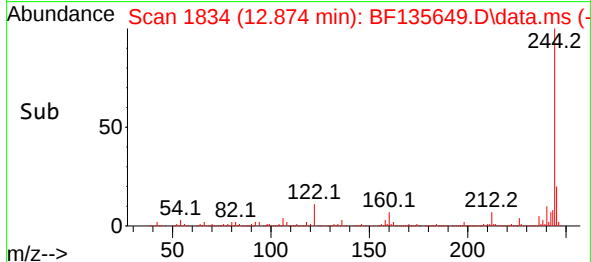
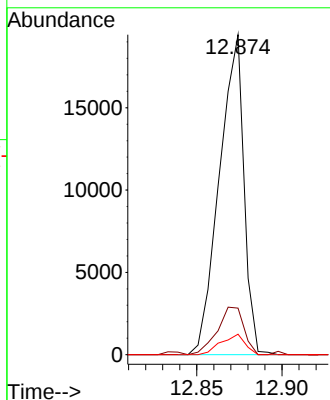
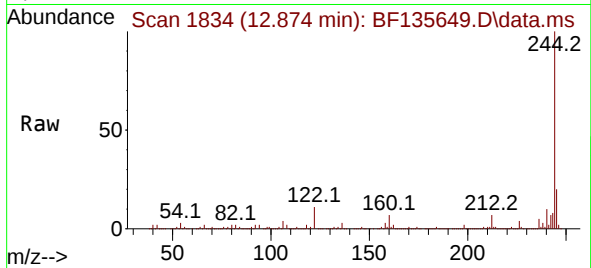




#77
Benzidine
Concen: 3.042 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.259 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

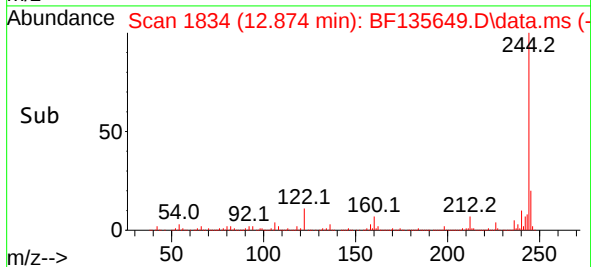
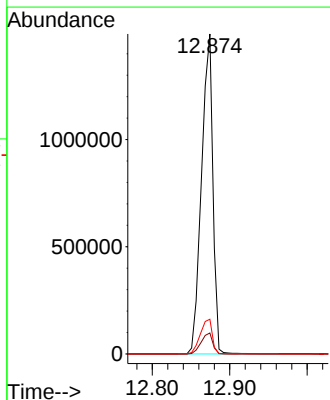
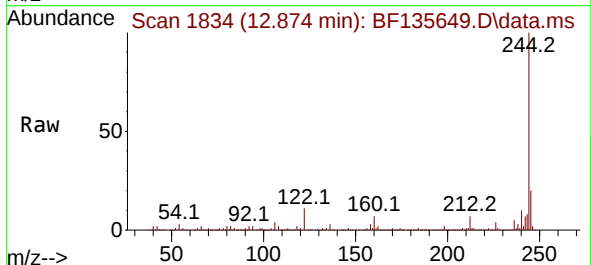
Instrument :
BNA_F
ClientSampleId :
SOIL-3

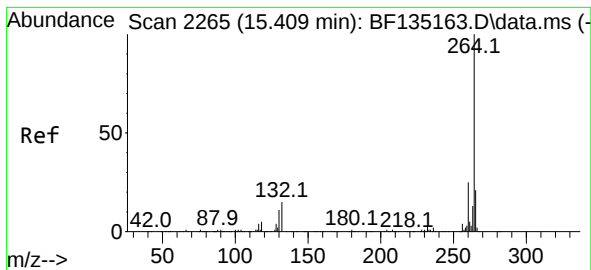
Tgt Ion:184 Resp: 19489
Ion Ratio Lower Upper
184 100
185 14.5 11.7 17.5
183 6.4 8.2 12.4#



#79
Terphenyl-d14
Concen: 75.343 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.012 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

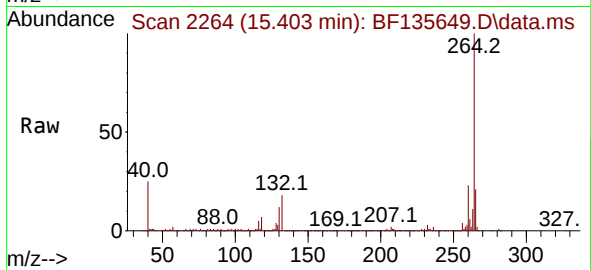
Tgt Ion:244 Resp: 1519893
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.9 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.403 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135649.D
 Acq: 09 Oct 2023 13:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3



Tgt Ion:264 Resp: 251115

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.8	29.6
265	21.2	17.0	25.4

