

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135671.D
 Acq On : 10 Oct 2023 01:46
 Operator : CG\JU
 Sample : 04778-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Oct 10 02:33:06 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)

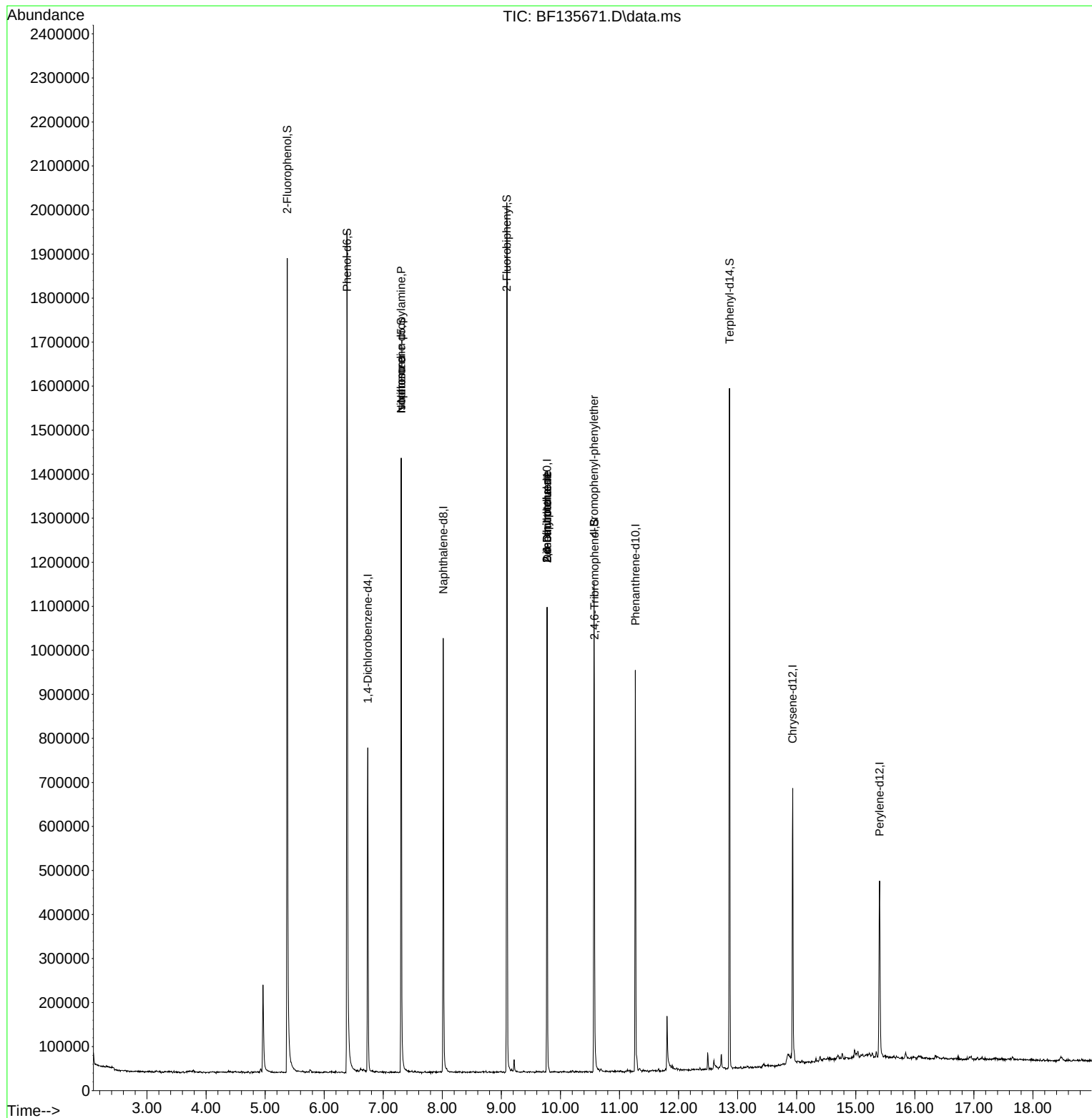
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	110002	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	415532	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	196062	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	332586	20.000	ng	0.00
76) Chrysene-d12	13.933	240	207091	20.000	ng	0.00
86) Perylene-d12	15.403	264	201374	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	519784	76.853	ng	0.00
7) Phenol-d6	6.386	99	648647	75.424	ng	0.00
23) Nitrobenzene-d5	7.304	82	394904	51.632	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	137864	70.758	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	657343	50.583	ng	0.00
79) Terphenyl-d14	12.863	244	518433	38.808	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	52716	9.896	ng	# 79
25) Isophorone	7.304	82	394899	28.118	ng	# 65
50) Dimethylphthalate	9.774	163	38339	2.892	ng	# 1
51) 2,6-Dinitrotoluene	9.774	165	25107	8.646	ng	# 17
57) 2,4-Dinitrotoluene	9.774	165	25107	6.906	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	8938	2.702	ng	# 1

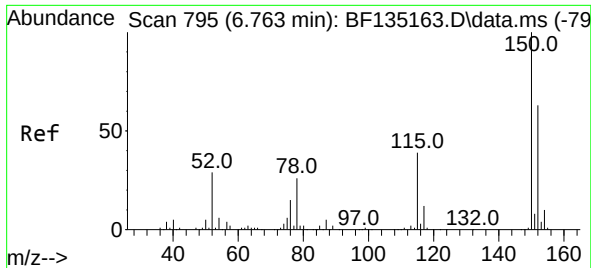
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

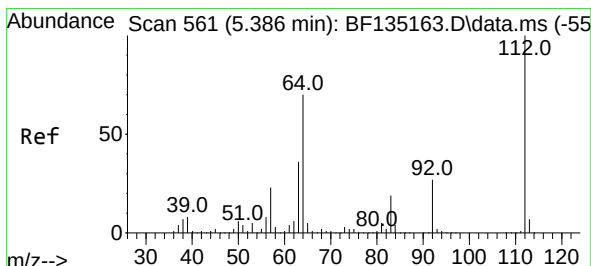
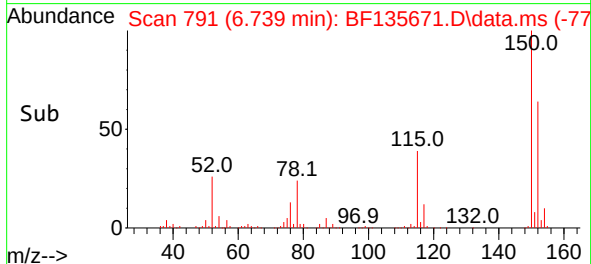
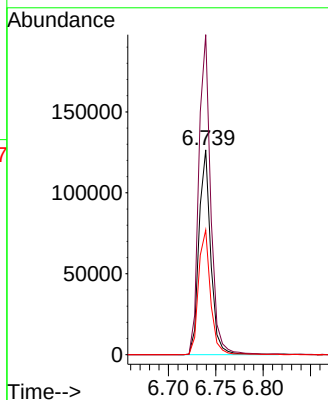
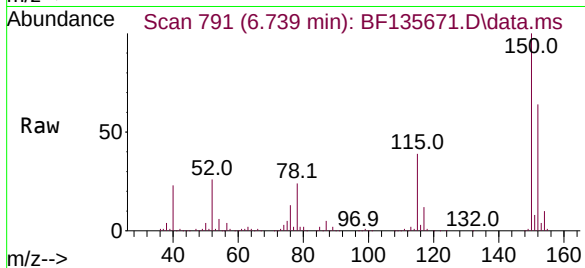




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

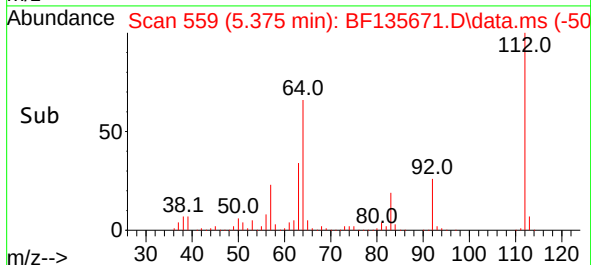
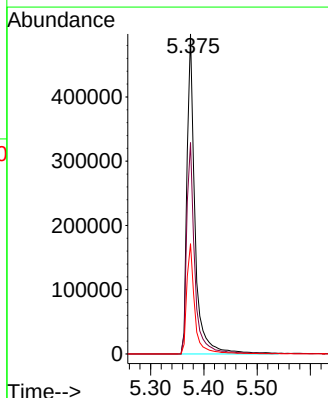
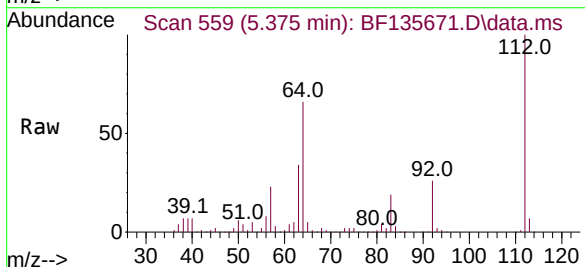
Instrument :
BNA_F
ClientSampleId :
SOIL-2

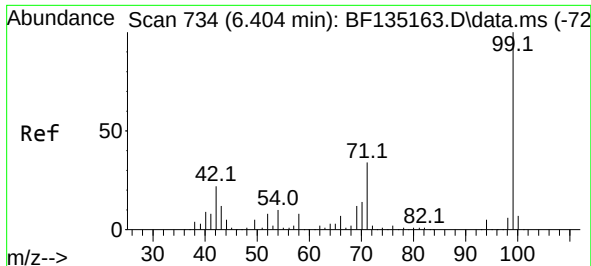
Tgt Ion:152 Resp: 110002
Ion Ratio Lower Upper
152 100
150 156.2 127.8 191.6
115 60.9 49.8 74.8



#5
2-Fluorophenol
Concen: 76.853 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion:112 Resp: 519784
Ion Ratio Lower Upper
112 100
64 66.1 55.9 83.9
63 34.5 29.0 43.6

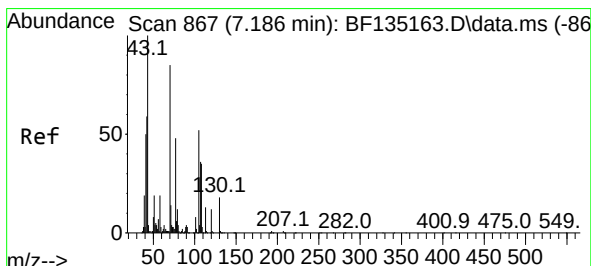
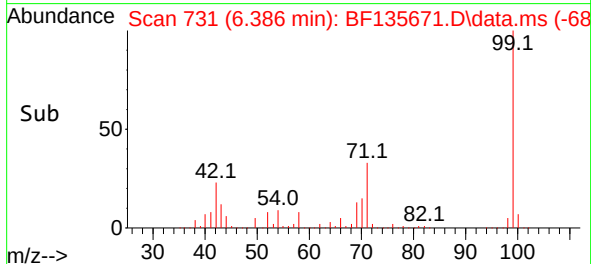
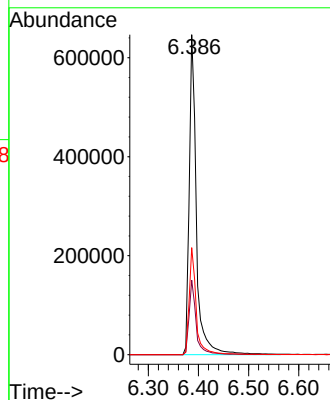
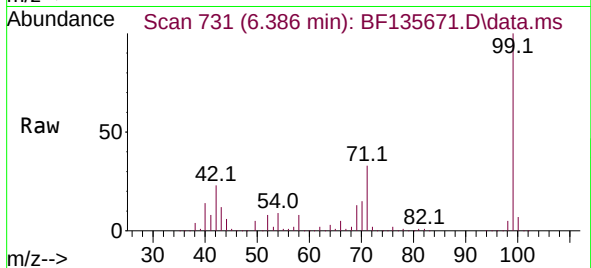




#7
Phenol-d6
Concen: 75.424 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

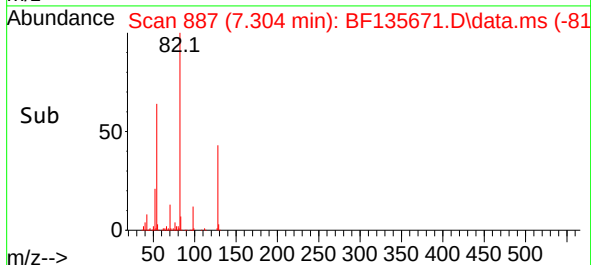
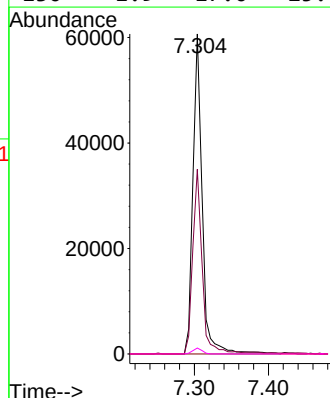
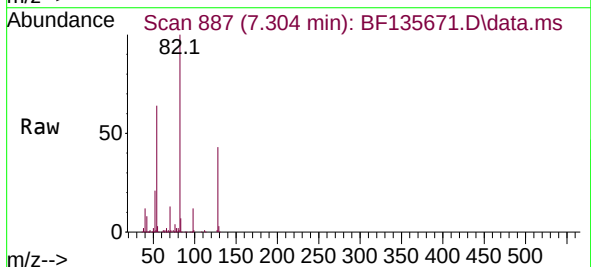
Instrument :
BNA_F
ClientSampleId :
SOIL-2

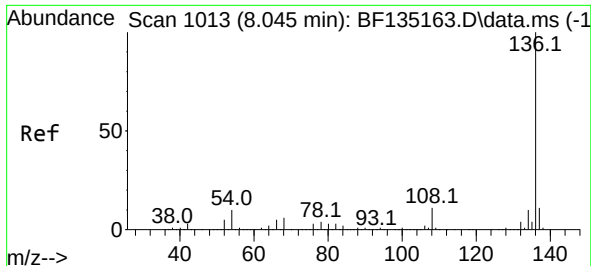
Tgt Ion: 99 Resp: 648647
Ion Ratio Lower Upper
99 100
42 23.3 17.9 26.9
71 33.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.896 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion: 70 Resp: 52716
Ion Ratio Lower Upper
70 100
42 57.7 55.4 83.0
101 0.0 7.7 11.5#
130 1.9 17.0 25.6#

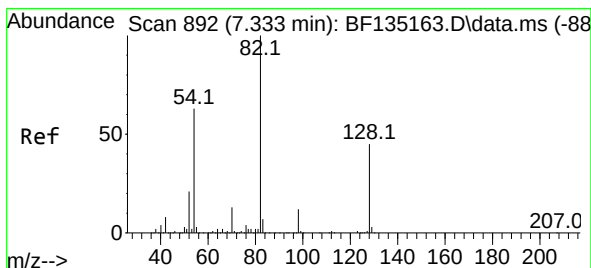
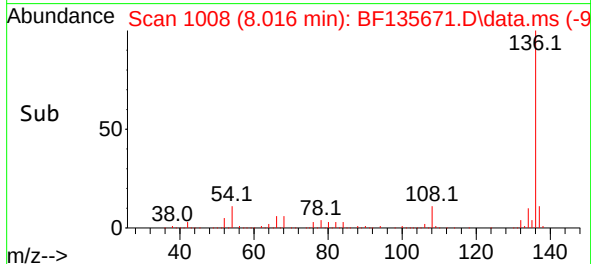
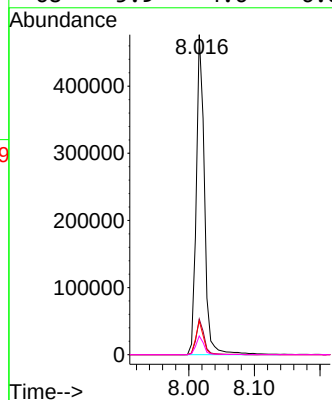
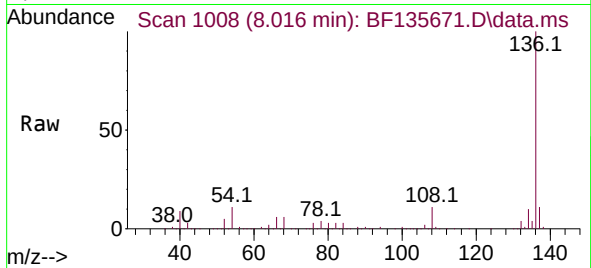




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

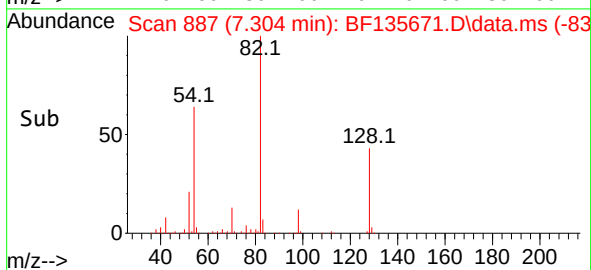
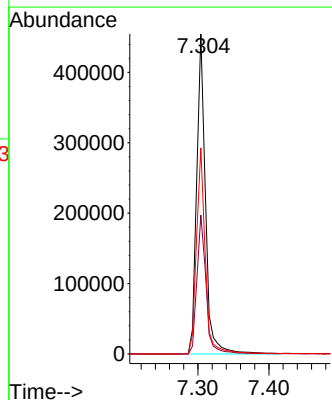
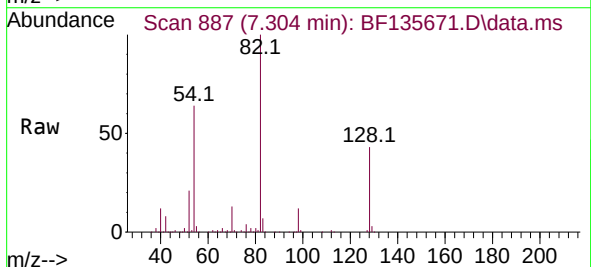
Instrument :
BNA_F
ClientSampleId :
SOIL-2

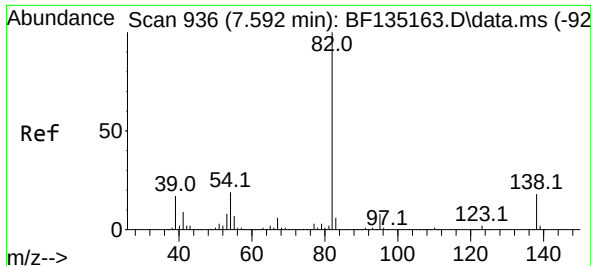
Tgt Ion:136 Resp: 415532
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.5 7.7 11.5
68 5.9 4.6 6.8



#23
Nitrobenzene-d5
Concen: 51.632 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion: 82 Resp: 394904
Ion Ratio Lower Upper
82 100
128 43.4 35.8 53.6
54 64.4 50.6 76.0

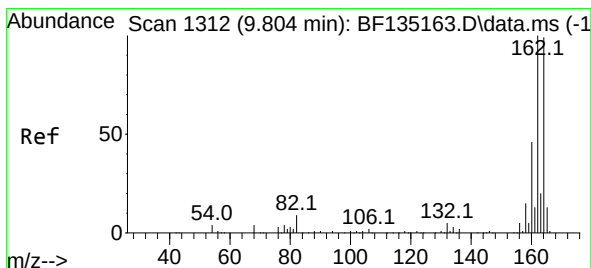
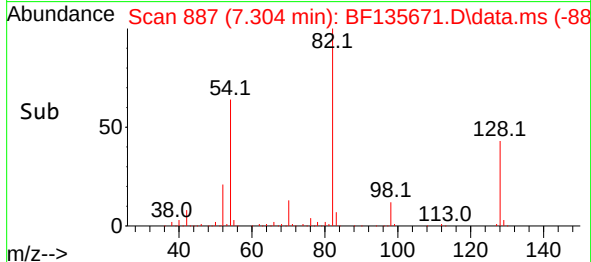
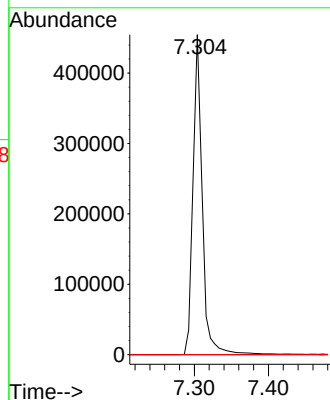
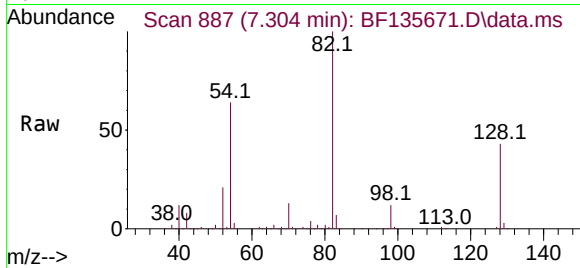




#25
Isophorone
Concen: 28.118 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

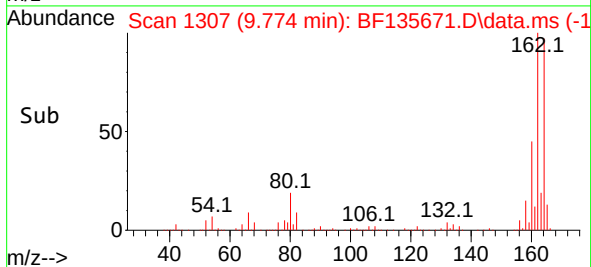
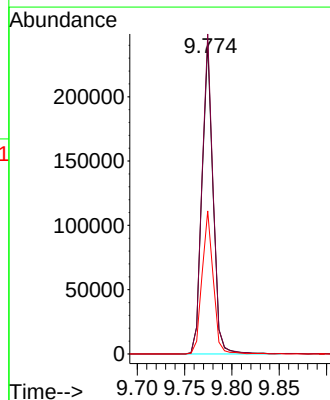
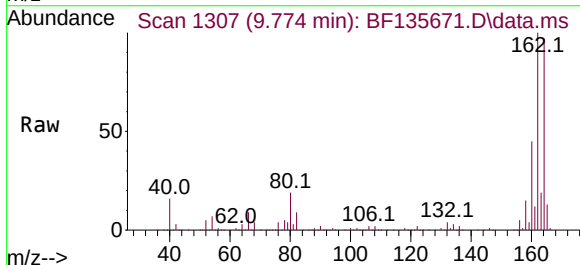
Instrument :
BNA_F
ClientSampleId :
SOIL-2

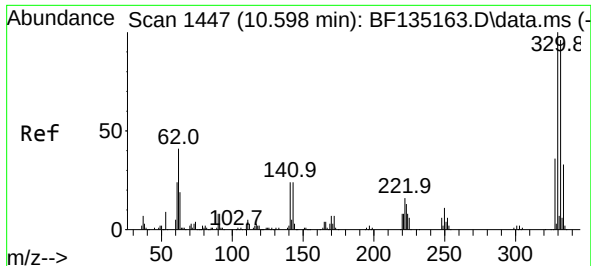
Tgt Ion: 82 Resp: 394899
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion:164 Resp: 196062
Ion Ratio Lower Upper
164 100
162 102.7 81.0 121.4
160 45.9 37.0 55.4

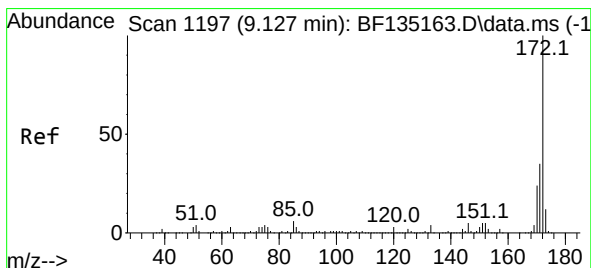
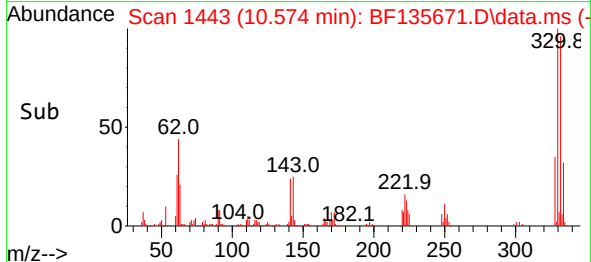
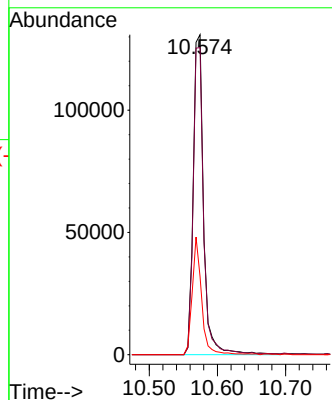
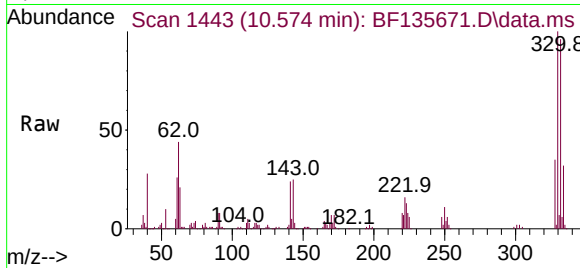




#42
2,4,6-Tribromophenol
Concen: 70.758 ng
RT: 10.574 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

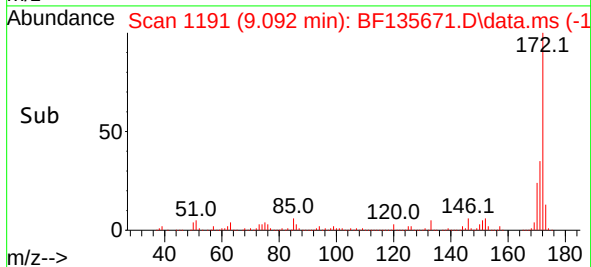
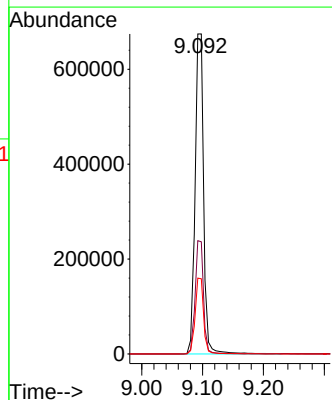
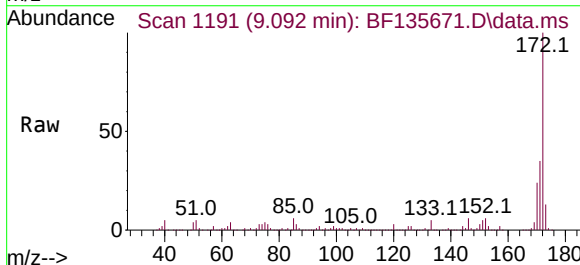
Instrument :
BNA_F
ClientSampleId :
SOIL-2

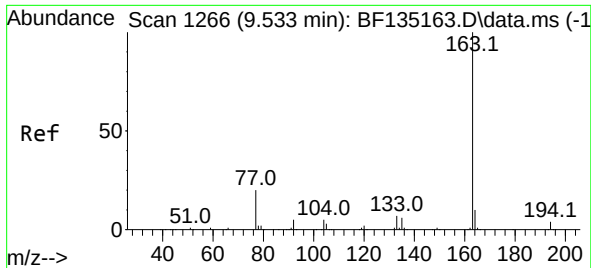
Tgt Ion: 330 Resp: 137864
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 32.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 50.583 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion: 172 Resp: 657343
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.7 19.0 28.4

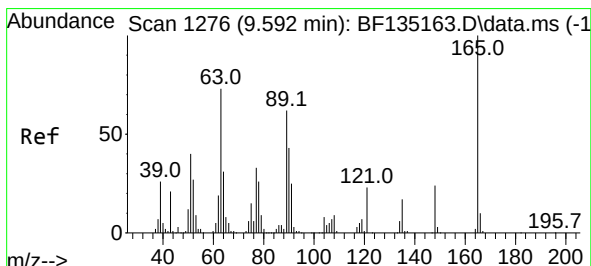
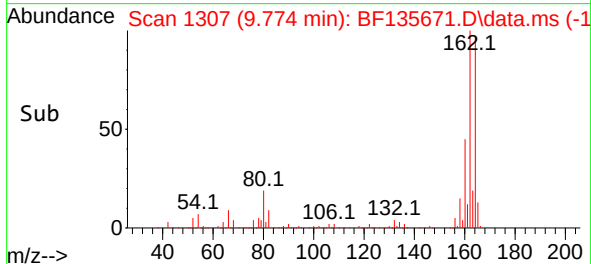
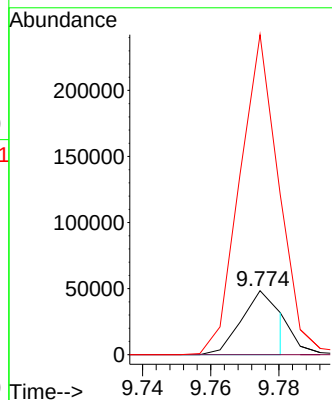
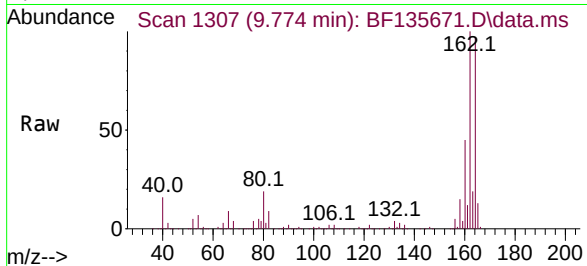




#50
Dimethylphthalate
Concen: 2.892 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

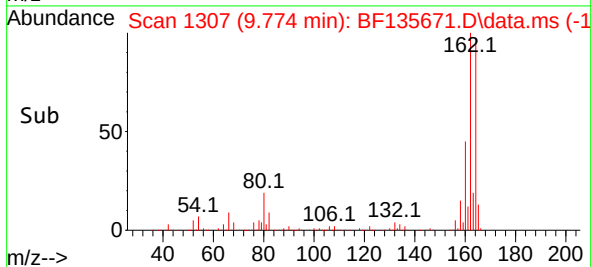
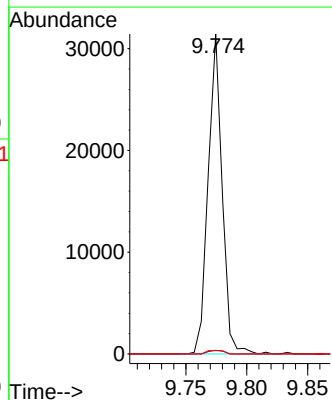
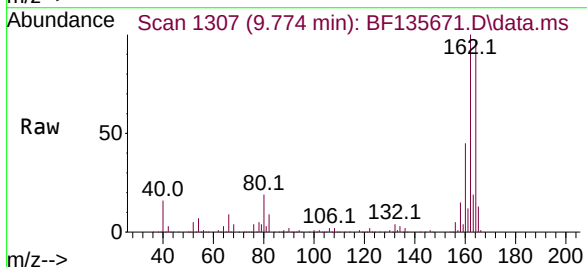
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SOIL-2

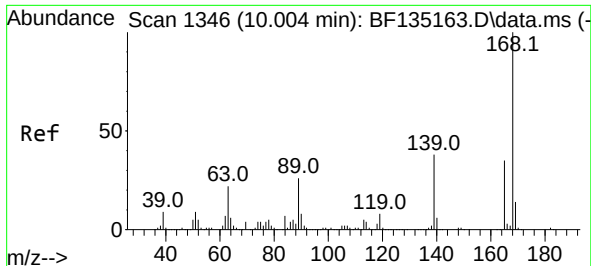
Tgt Ion:163 Resp: 38339
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 499.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.646 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion:165 Resp: 25107
Ion Ratio Lower Upper
165 100
63 1.2 59.4 89.2#
89 1.1 49.8 74.8#

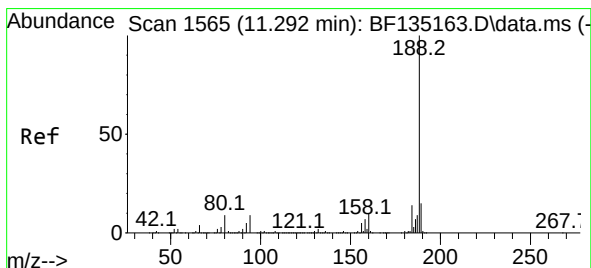
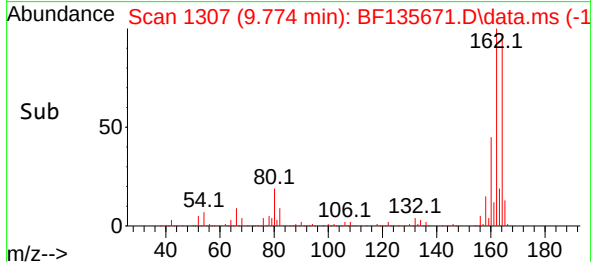
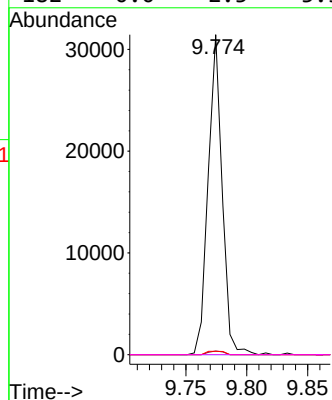
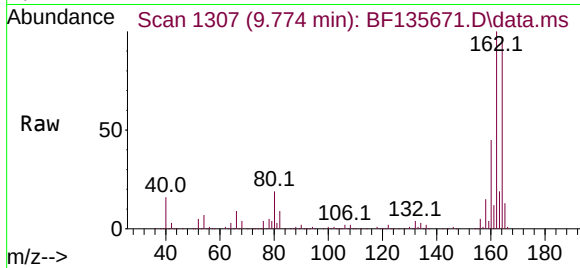




#57
2,4-Dinitrotoluene
Concen: 6.906 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

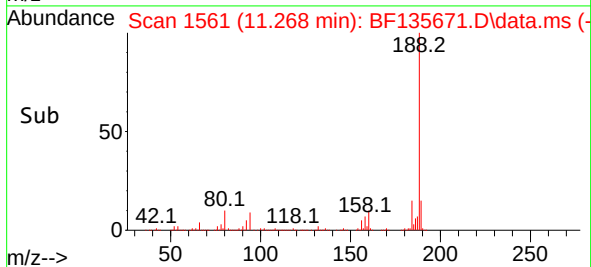
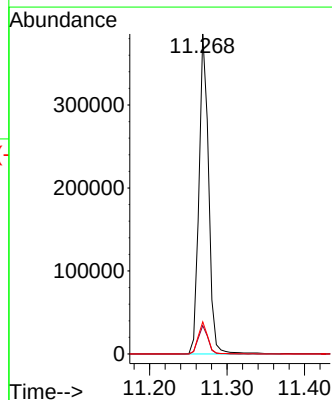
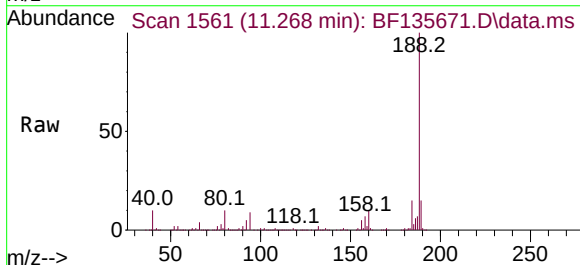
Instrument :
BNA_F
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SOIL-2

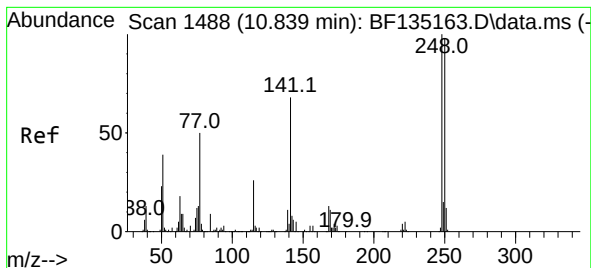
Tgt Ion:165 Resp: 25107
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion:188 Resp: 332586
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 10.0 7.5 11.3

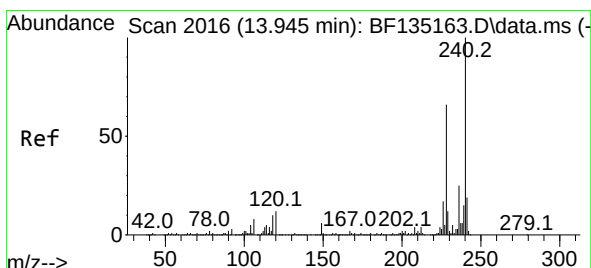
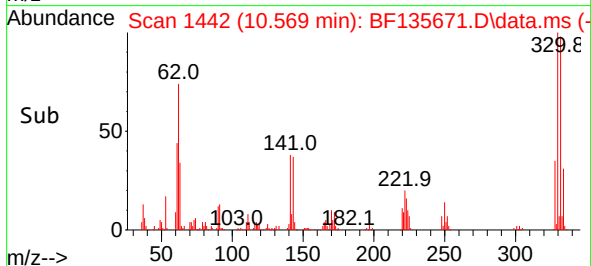
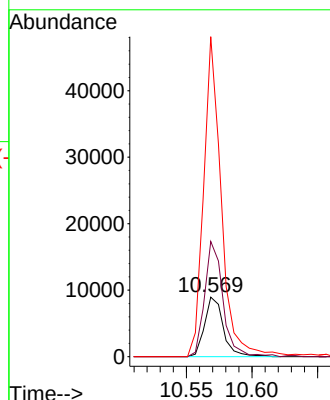
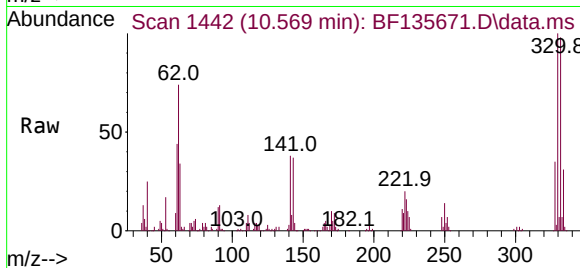




#67
4-Bromophenyl-phenylether
Concen: 2.702 ng
RT: 10.569 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

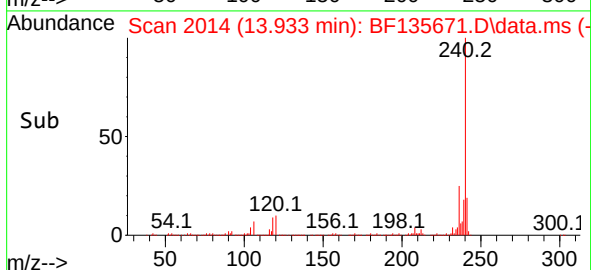
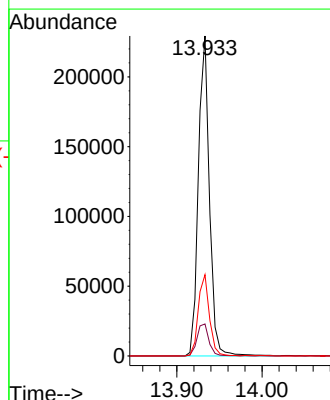
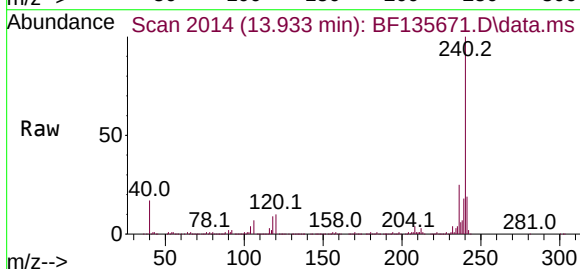
Instrument :
BNA_F
ClientSampleId :
SOIL-2

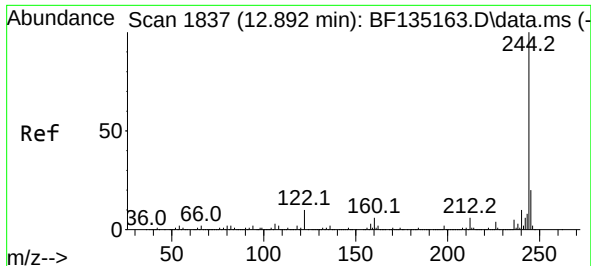
Tgt Ion:248 Resp: 8938
Ion Ratio Lower Upper
248 100
250 193.6 78.6 117.8#
141 537.9 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

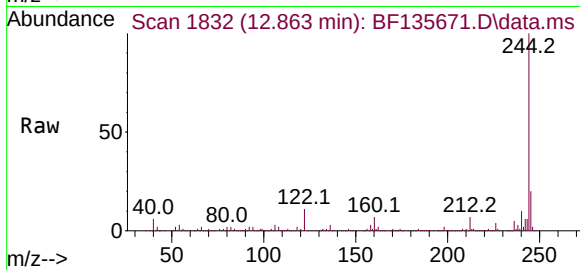
Tgt Ion:240 Resp: 207091
Ion Ratio Lower Upper
240 100
120 10.0 9.4 14.2
236 25.4 19.8 29.8



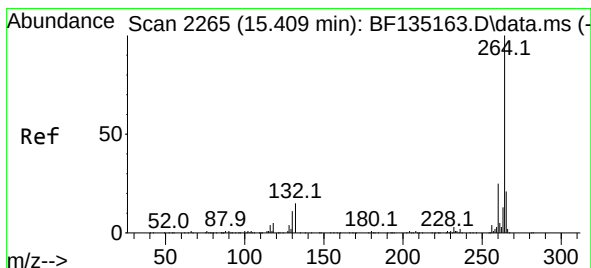
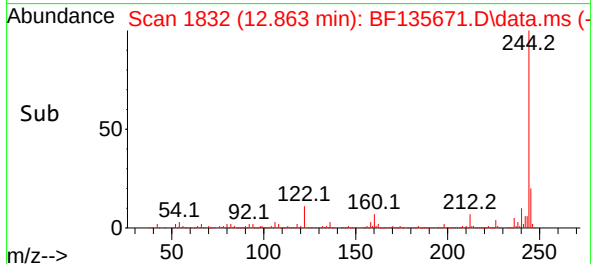
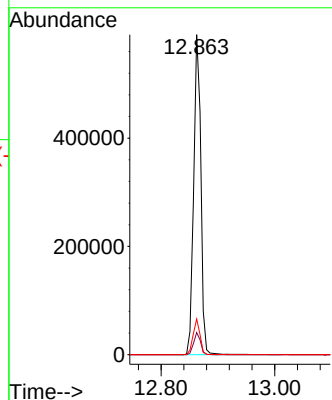


#79
Terphenyl-d14
Concen: 38.808 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Instrument :
BNA_F
ClientSampleId :
SOIL-2



Tgt Ion:244 Resp: 518433
Ion Ratio Lower Upper
244 100
212 6.9 5.1 7.7
122 11.2 7.9 11.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.403 min Scan# 2264
Delta R.T. 0.018 min
Lab File: BF135671.D
Acq: 10 Oct 2023 01:46

Tgt Ion:264 Resp: 201374
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 20.7 17.0 25.4

