

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131350.D
 Acq On : 23 Nov 2022 02:00
 Operator : CG\JU
 Sample : N5641-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-3

Quant Time: Nov 23 04:22:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 01:17:52 2022
 Response via : Initial Calibration

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

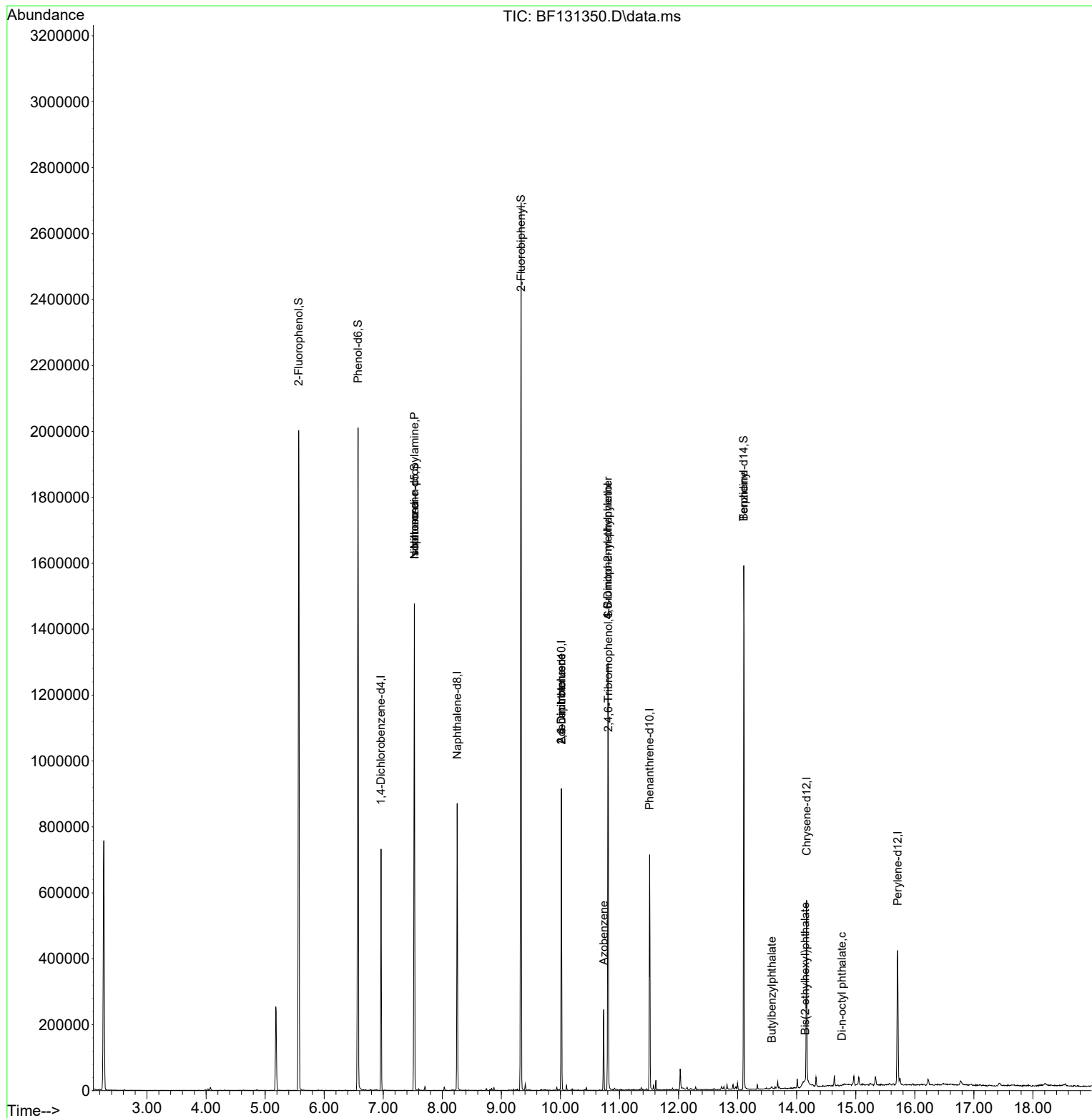
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	91827	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	323810	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	164544	20.000	ng	-0.01
64) Phenanthrene-d10	11.510	188	244733	20.000	ng	-0.01
76) Chrysene-d12	14.168	240	186918	20.000	ng	-0.01
86) Perylene-d12	15.709	264	197095	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	515657	106.876	ng	0.00
7) Phenol-d6	6.575	99	642594	104.386	ng	-0.01
23) Nitrobenzene-d5	7.528	82	415629	64.702	ng	-0.01
42) 2,4,6-Tribromophenol	10.810	330	136197	98.385	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	738893	65.329	ng	0.00
79) Terphenyl-d14	13.104	244	573949	50.212	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.510	77	85	Below Cal	#	43
19) n-Nitroso-di-n-propyla...	7.528	70	56185	12.468	ng	# 77
25) Isophorone	7.528	82	415620	36.266	ng	# 68
51) 2,6-Dinitrotoluene	10.016	165	21604	9.423	ng	# 14
57) 2,4-Dinitrotoluene	10.016	165	21604	7.489	ng	# 18
63) Azobenzene	10.733	77	39880	3.426	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.804	198	371	4.970	ng	# 1
67) 4-Bromophenyl-phenylether	10.804	248	8700	2.900	ng	# 1
77) Benzidine	13.104	184	7357	2.131	ng	# 88
80) Butylbenzylphthalate	13.580	149	58	4.153	ng	# 16
84) Bis(2-ethylhexyl)phtha...	14.145	149	1223	3.902	ng	# 91
85) Di-n-octyl phthalate	14.768	149	390	3.944	ng	# 1

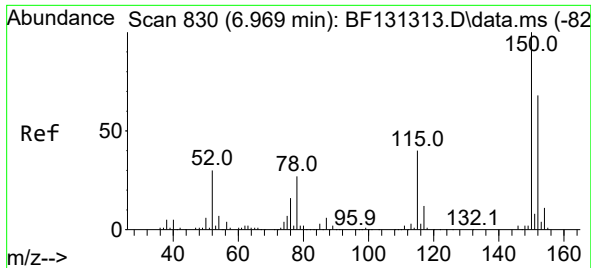
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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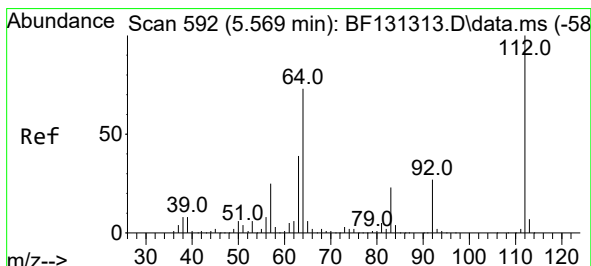
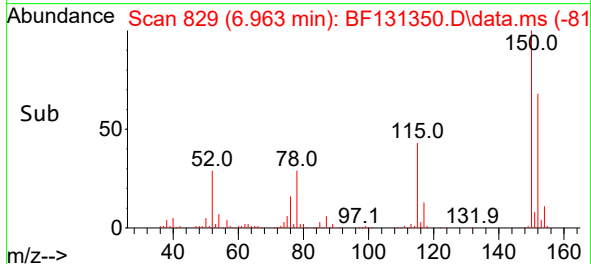
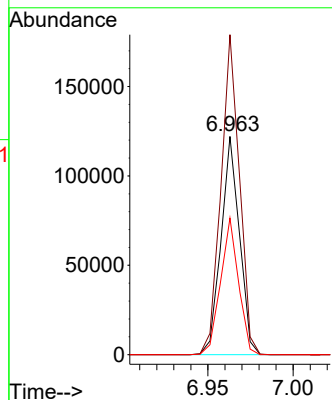
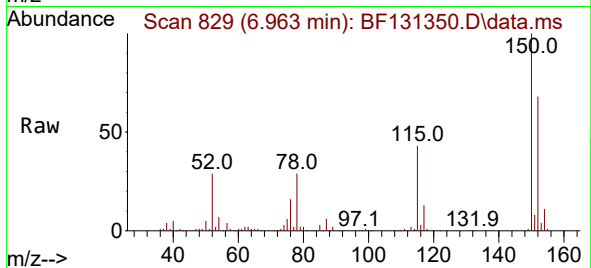




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131350.D
 Acq: 23 Nov 2022 02:00

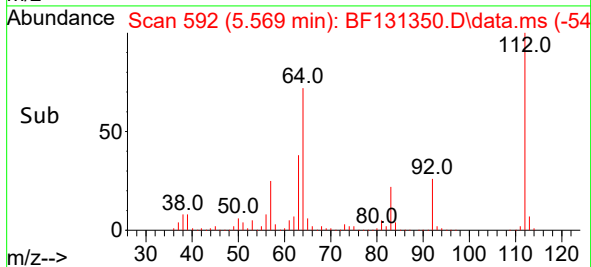
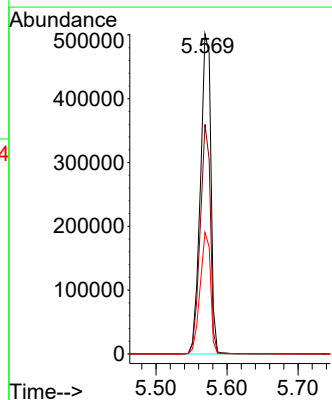
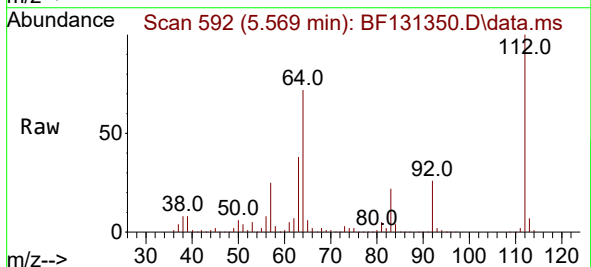
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-3

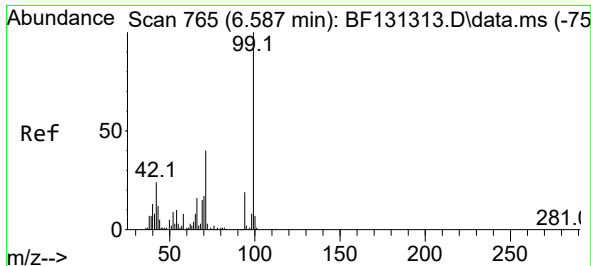
Tgt Ion:152 Resp: 91827
 Ion Ratio Lower Upper
 152 100
 150 146.6 117.8 176.8
 115 62.6 47.1 70.7



#5
 2-Fluorophenol
 Concen: 106.876 ng
 RT: 5.569 min Scan# 592
 Delta R.T. -0.000 min
 Lab File: BF131350.D
 Acq: 23 Nov 2022 02:00

Tgt Ion:112 Resp: 515657
 Ion Ratio Lower Upper
 112 100
 64 71.8 58.6 88.0
 63 37.9 31.4 47.0

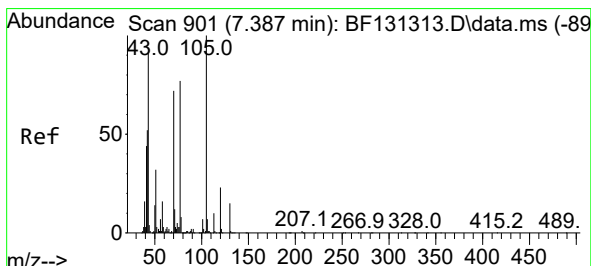
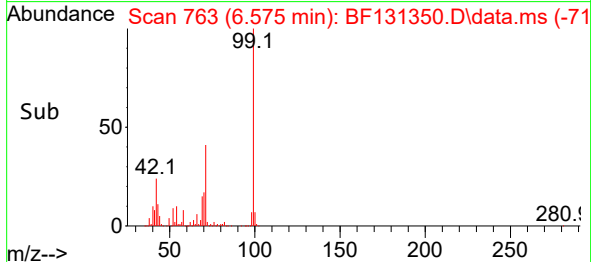
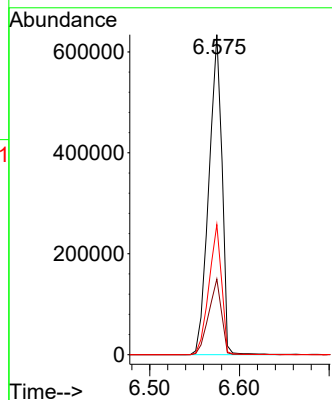
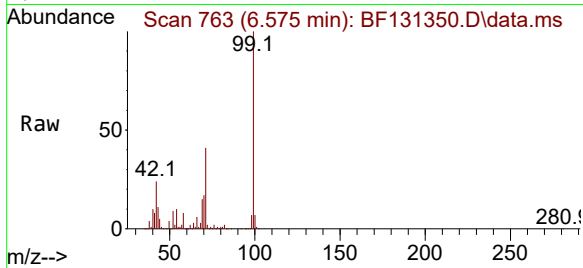




#7
Phenol-d6
Concen: 104.386 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

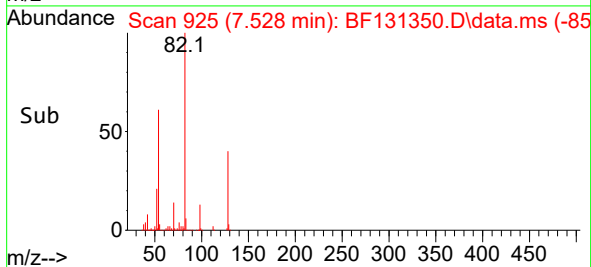
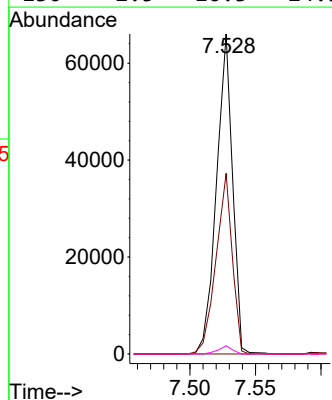
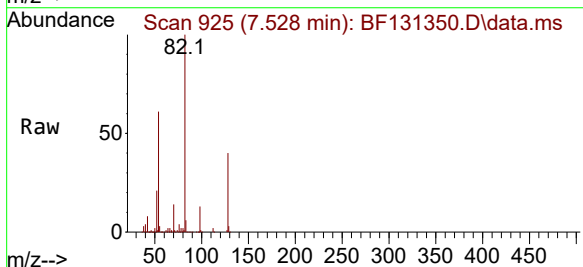
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-3

Tgt Ion: 99 Resp: 642594
Ion Ratio Lower Upper
99 100
42 23.7 19.4 29.2
71 40.6 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.468 ng
RT: 7.528 min Scan# 925
Delta R.T. 0.141 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

Tgt Ion: 70 Resp: 56185
Ion Ratio Lower Upper
70 100
42 56.5 57.6 86.4#
101 0.0 8.2 12.2#
130 2.5 16.3 24.5#

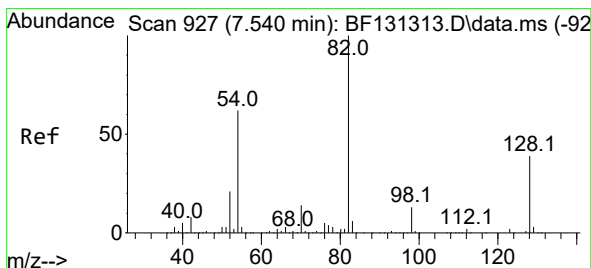
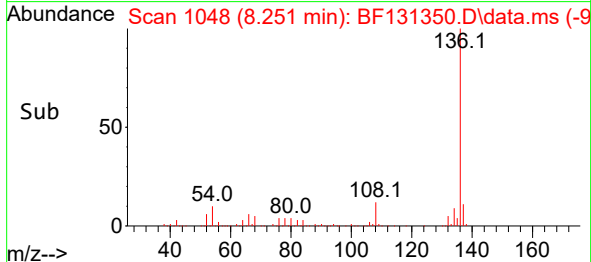
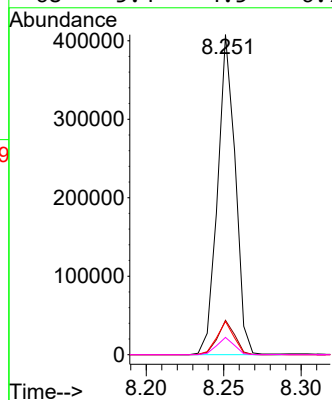
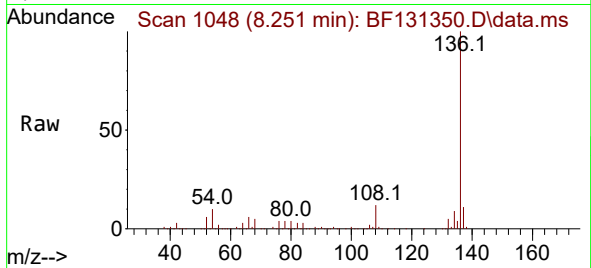




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

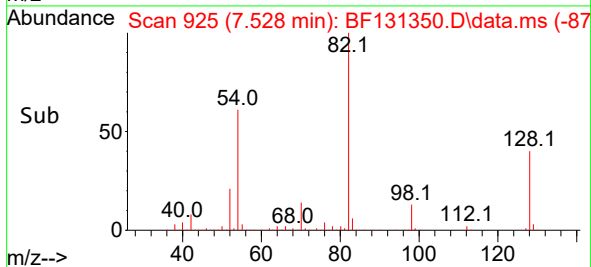
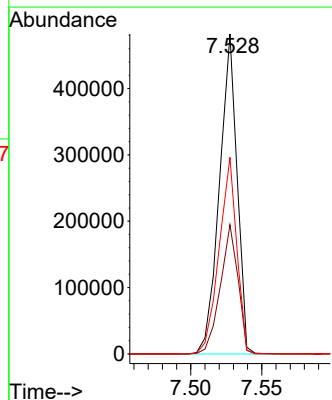
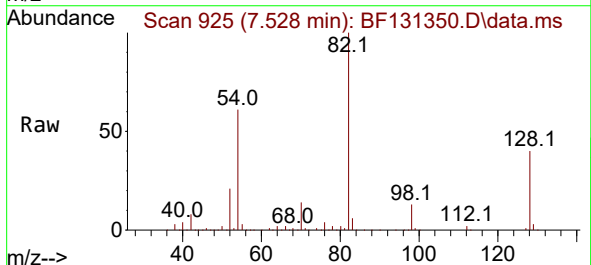
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-3

Tgt Ion:136 Resp: 323810
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.4 9.4 14.0
68 5.4 4.5 6.7



#23
Nitrobenzene-d5
Concen: 64.702 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.012 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

Tgt Ion: 82 Resp: 415629
Ion Ratio Lower Upper
82 100
128 40.4 31.4 47.0
54 61.5 49.8 74.6

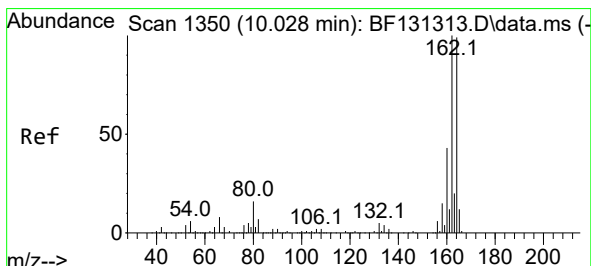
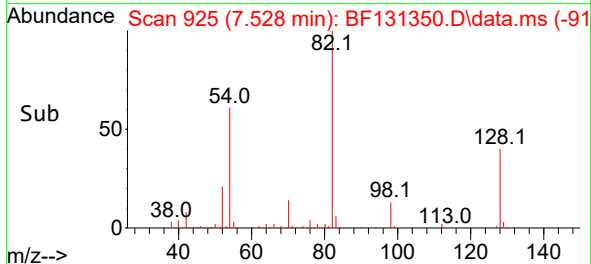
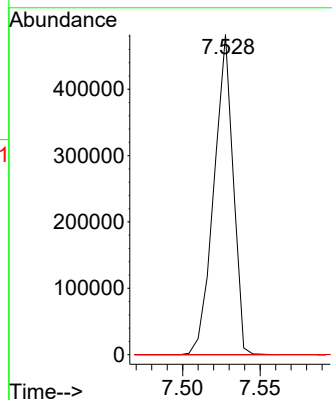
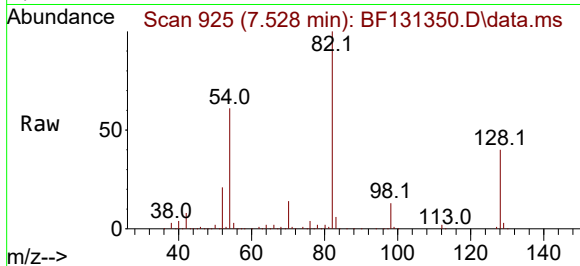




#25
Isophorone
Concen: 36.266 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

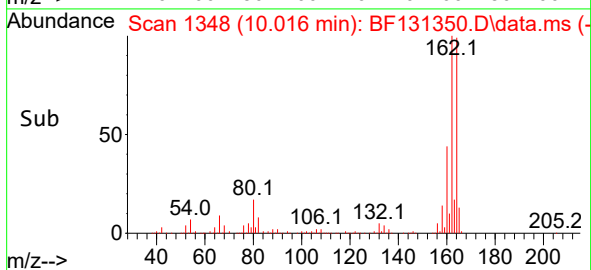
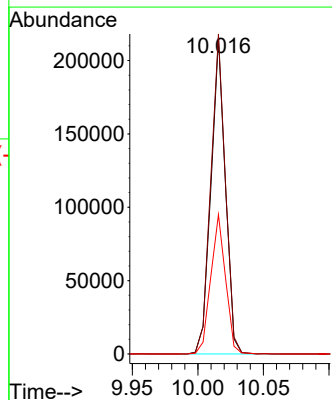
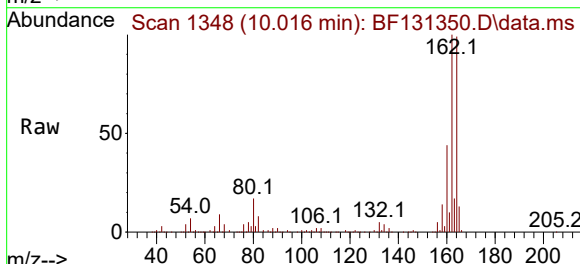
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-3

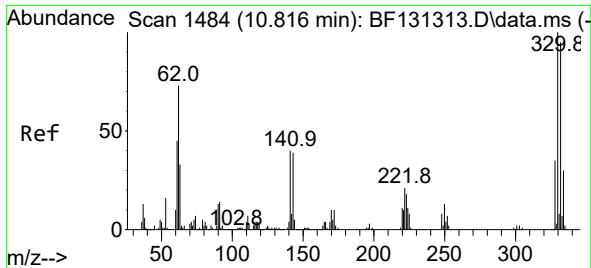
Tgt Ion: 82 Resp: 415620
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

Tgt Ion: 164 Resp: 164544
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 44.1 34.4 51.6

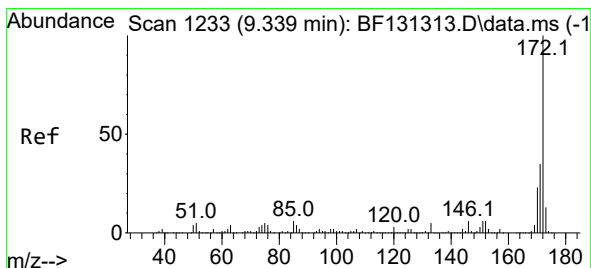
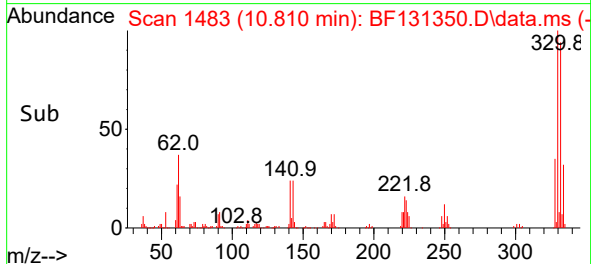
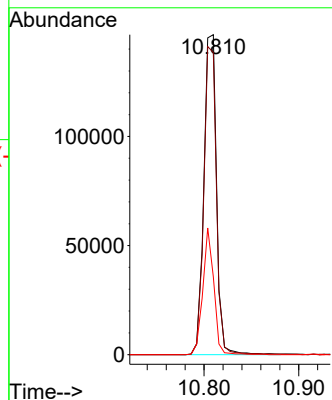
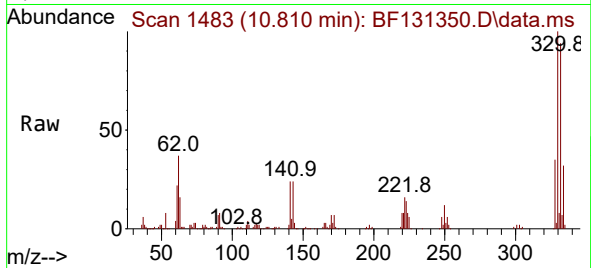




#42
2,4,6-Tribromophenol
Concen: 98.385 ng
RT: 10.810 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

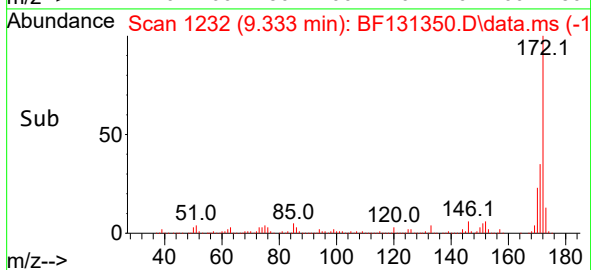
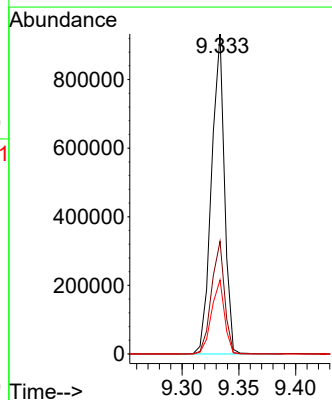
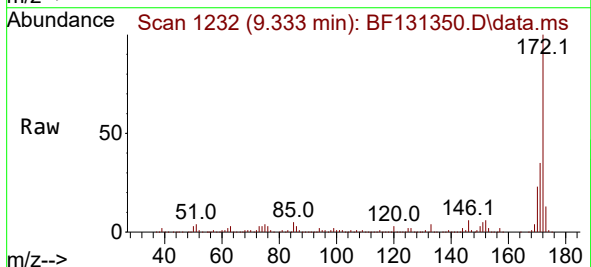
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-3

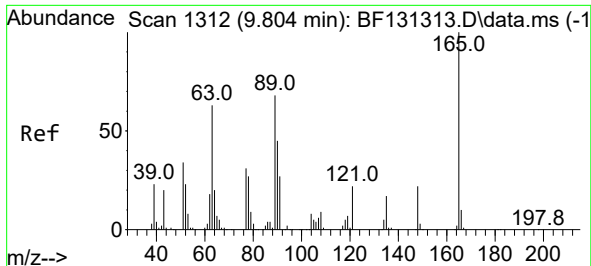
Tgt Ion:330 Resp: 136197
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 34.4 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 65.329 ng
RT: 9.333 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

Tgt Ion:172 Resp: 738893
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.2 18.7 28.1

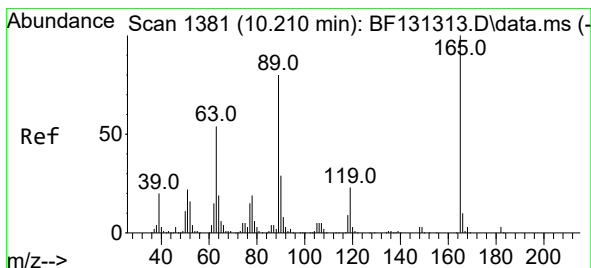
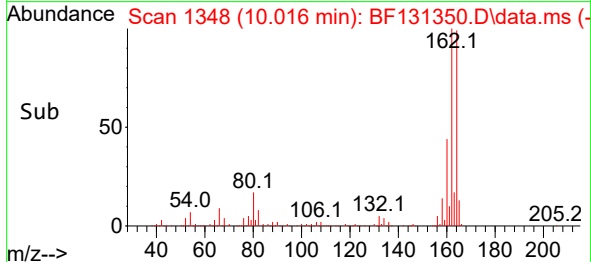
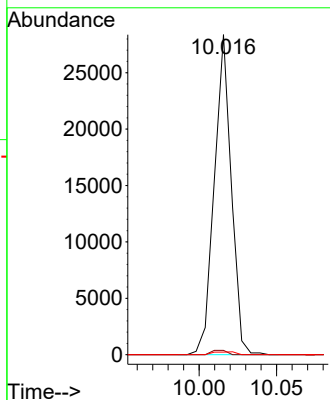
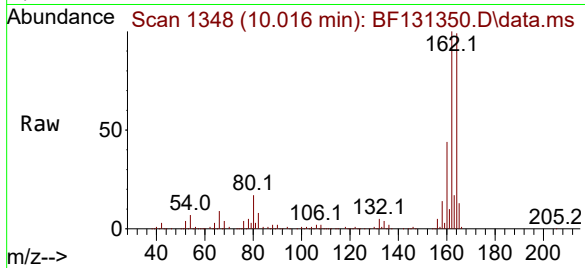




#51
2,6-Dinitrotoluene
Concen: 9.423 ng
RT: 10.016 min Scan# 1312
Delta R.T. 0.212 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

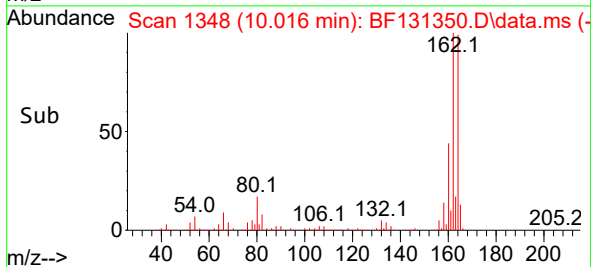
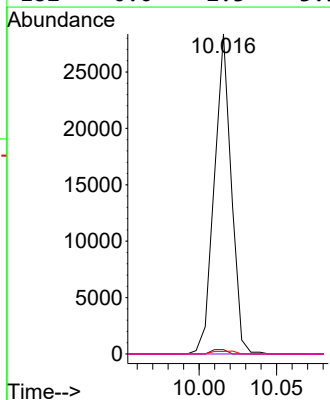
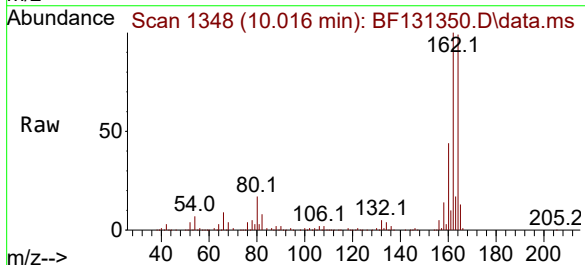
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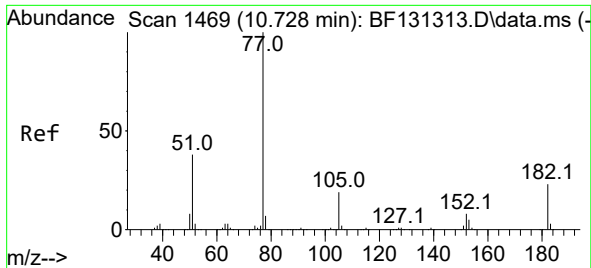
Tgt Ion:165 Resp: 21604
Ion Ratio Lower Upper
165 100
63 1.4 62.0 93.0#
89 0.8 54.4 81.6#



#57
2,4-Dinitrotoluene
Concen: 7.489 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.194 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

Tgt Ion:165 Resp: 21604
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.2#
89 0.8 64.0 96.0#
182 0.0 2.3 3.5#

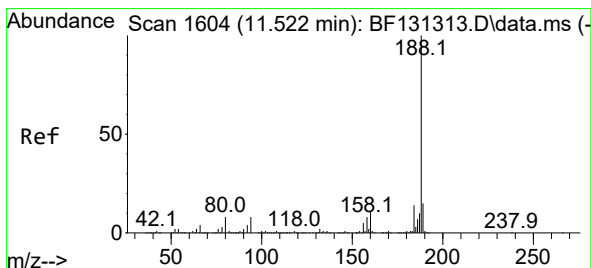
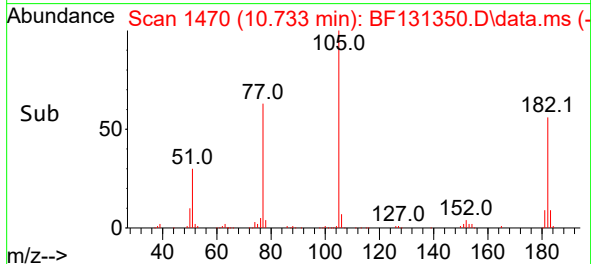
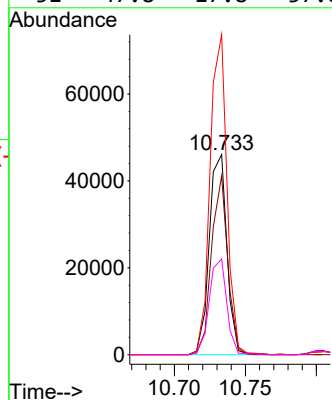
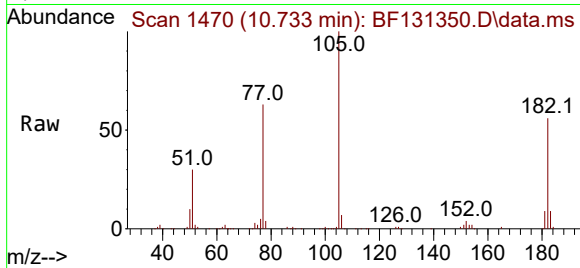




#63
Azobenzene
Concen: 3.426 ng
RT: 10.733 min Scan# 1469
Delta R.T. 0.006 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

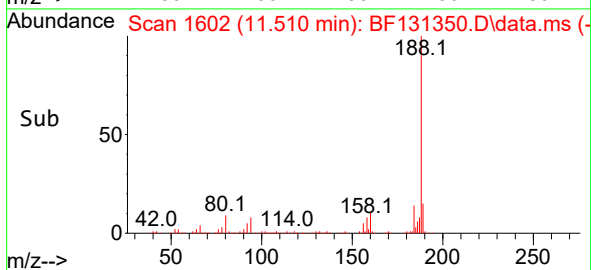
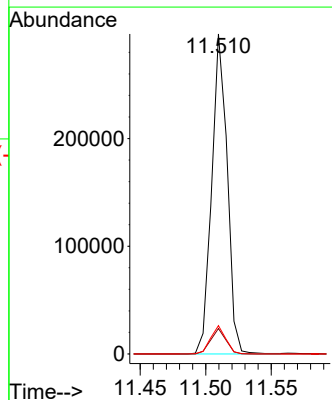
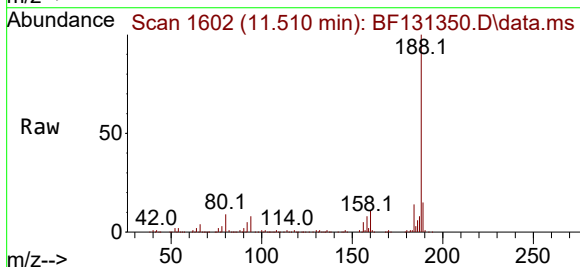
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-3

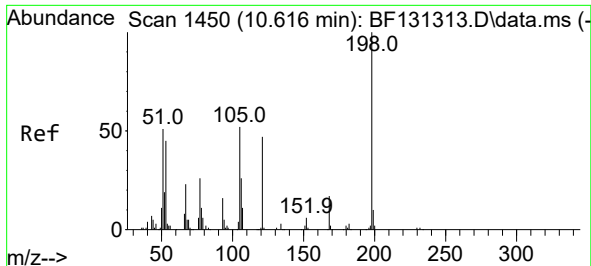
Tgt Ion: 77 Resp: 39880
Ion Ratio Lower Upper
77 100
182 89.3 3.1 43.1#
105 159.9 0.0 39.2#
51 47.8 17.8 57.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

Tgt Ion:188 Resp: 244733
Ion Ratio Lower Upper
188 100
94 8.0 6.3 9.5
80 8.8 6.8 10.2

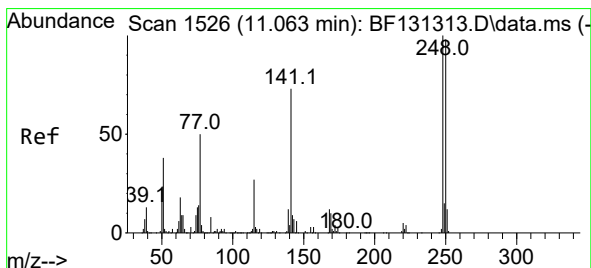
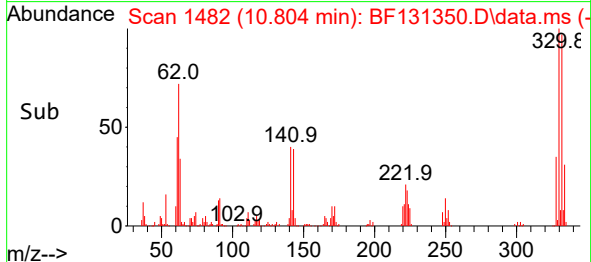
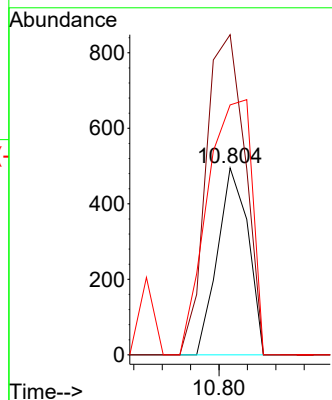
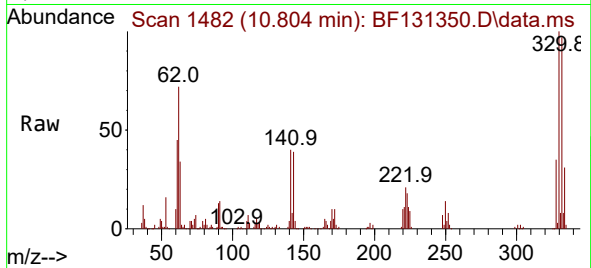




#65
4,6-Dinitro-2-methylphenol
Concen: 4.970 ng
RT: 10.804 min Scan# 1450
Delta R.T. 0.188 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

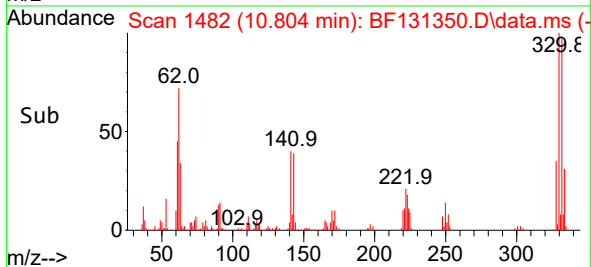
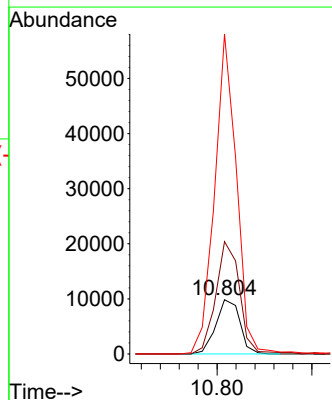
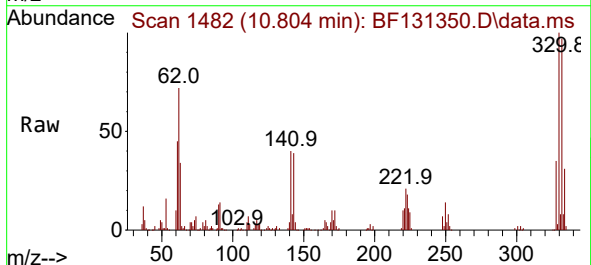
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-3

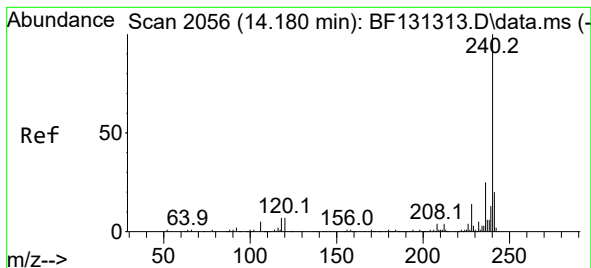
Tgt Ion:198 Resp: 371
Ion Ratio Lower Upper
198 100
51 171.3 50.1 90.1#
105 133.7 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 2.900 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.259 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

Tgt Ion:248 Resp: 8700
Ion Ratio Lower Upper
248 100
250 206.8 78.3 117.5#
141 589.0 58.0 87.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.168 min Scan# 2054

Delta R.T. -0.012 min

Lab File: BF131350.D

Acq: 23 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-3

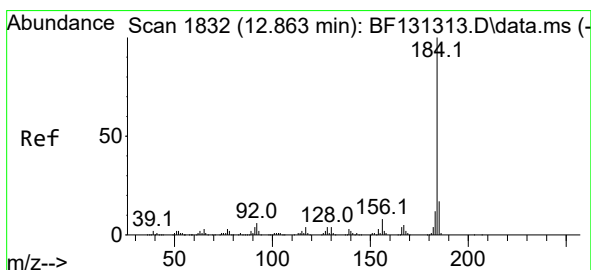
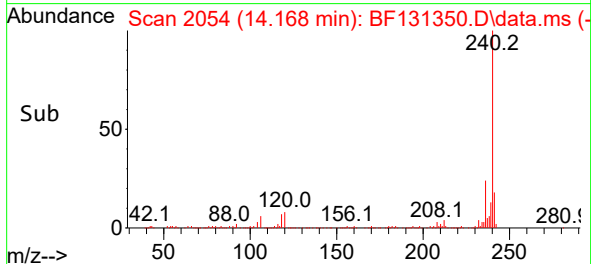
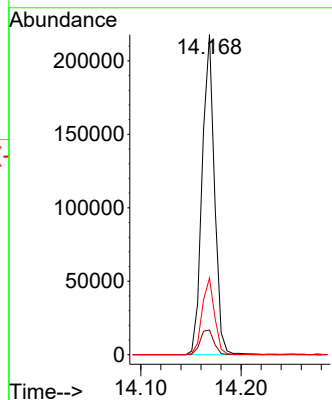
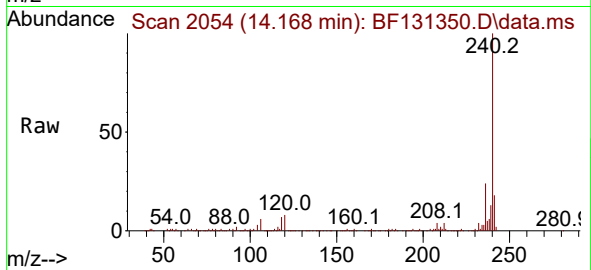
Tgt Ion:240 Resp: 186918

Ion Ratio Lower Upper

240 100

120 7.7 5.8 8.8

236 23.9 20.3 30.5



#77

Benzidine

Concen: 2.131 ng

RT: 13.104 min Scan# 1873

Delta R.T. 0.241 min

Lab File: BF131350.D

Acq: 23 Nov 2022 02:00

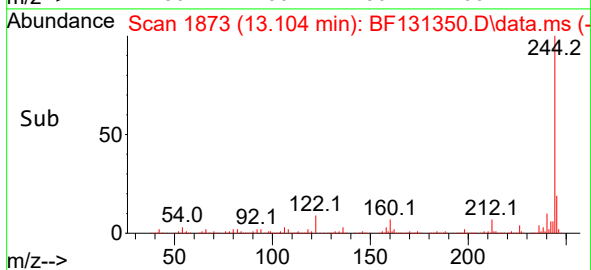
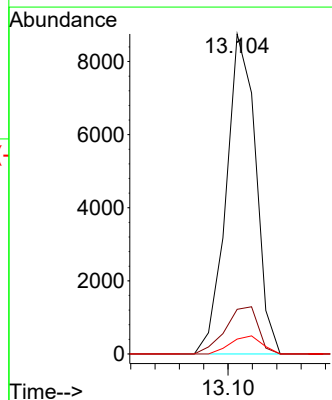
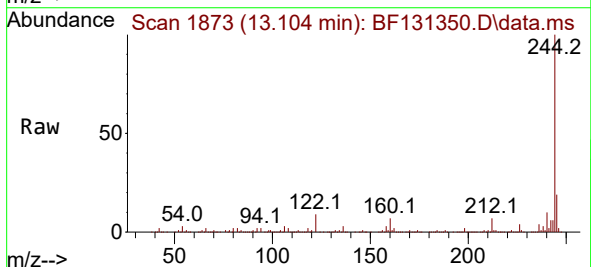
Tgt Ion:184 Resp: 7357

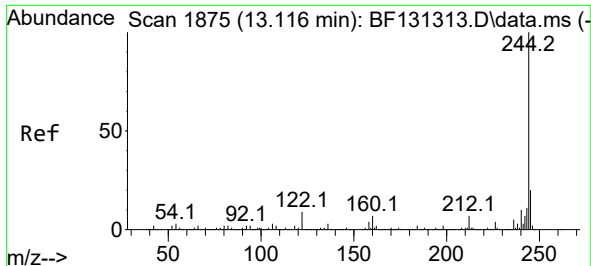
Ion Ratio Lower Upper

184 100

185 13.9 13.8 20.8

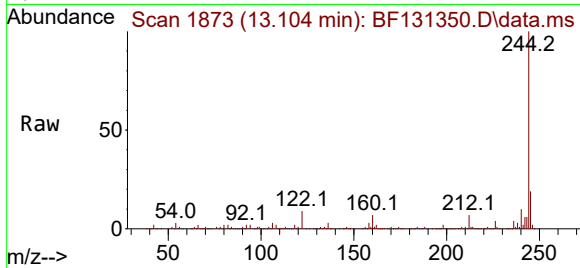
183 4.6 9.6 14.4#



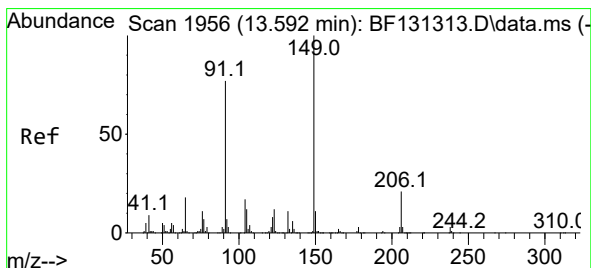
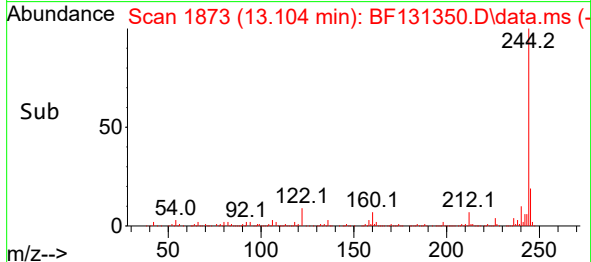
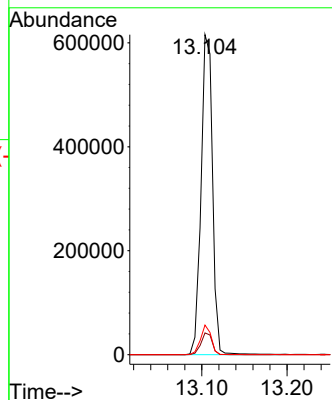


#79
 Terphenyl-d14
 Concen: 50.212 ng
 RT: 13.104 min Scan# 1875
 Delta R.T. -0.012 min
 Lab File: BF131350.D
 Acq: 23 Nov 2022 02:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-3

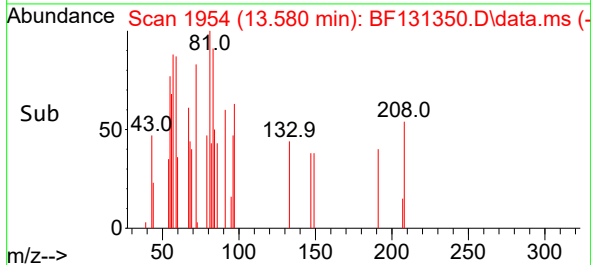
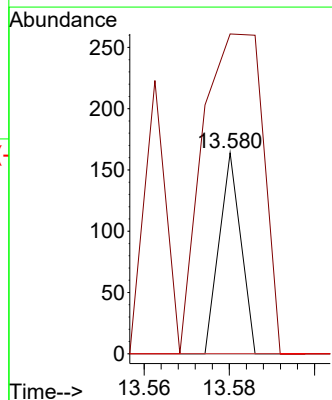
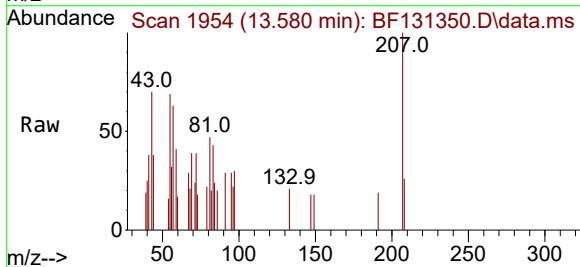


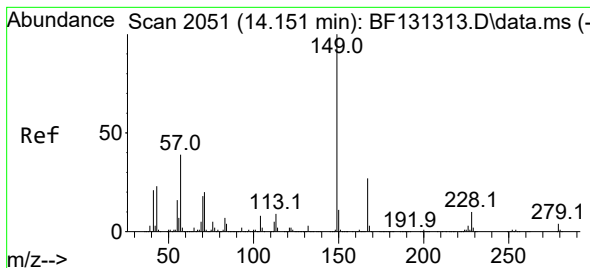
Tgt Ion:244 Resp: 573949
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 9.3 7.5 11.3



#80
 Butylbenzylphthalate
 Concen: 4.153 ng
 RT: 13.580 min Scan# 1954
 Delta R.T. -0.012 min
 Lab File: BF131350.D
 Acq: 23 Nov 2022 02:00

Tgt Ion:149 Resp: 58
 Ion Ratio Lower Upper
 149 100
 91 159.1 61.9 92.9#
 206 0.0 16.5 24.7#

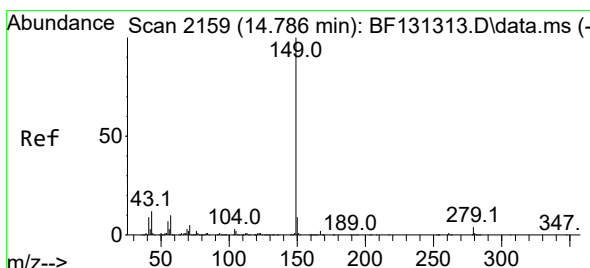
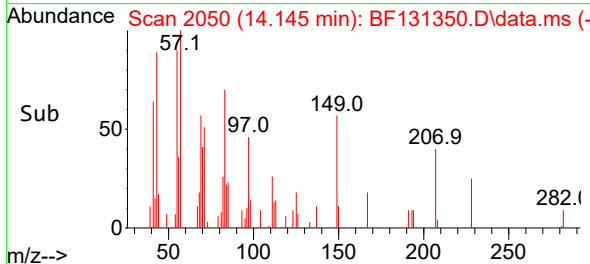
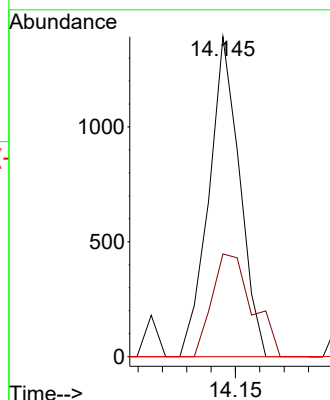
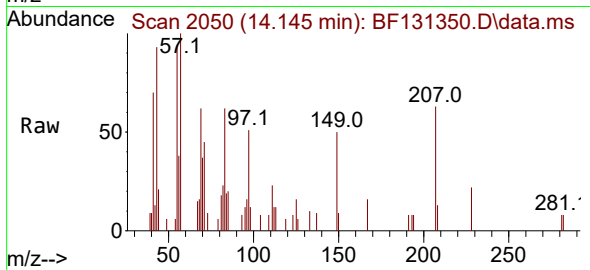




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.902 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

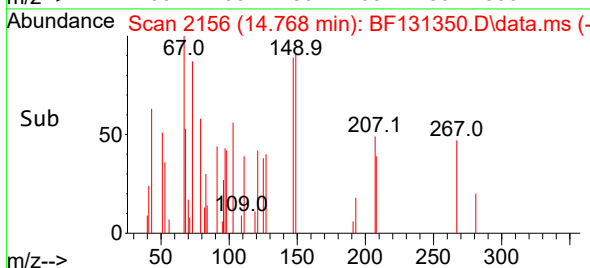
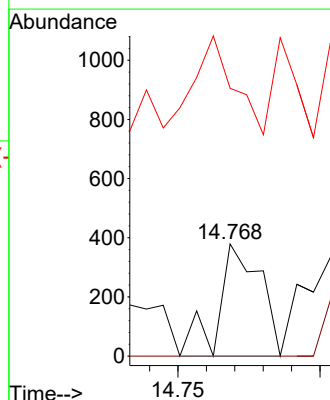
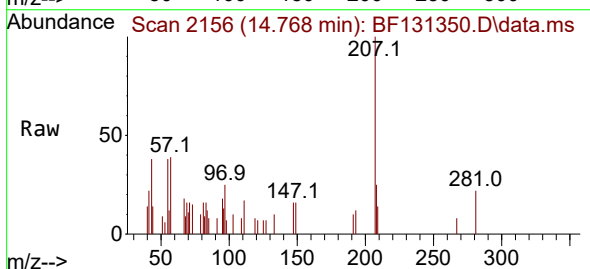
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-3

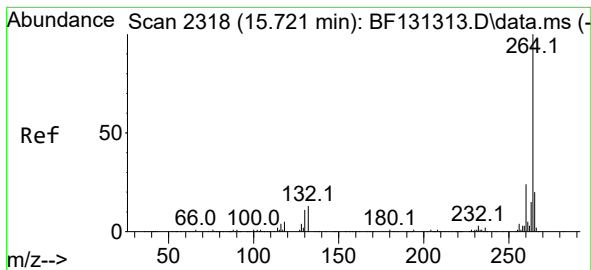
Tgt Ion:149 Resp: 1223
Ion Ratio Lower Upper
149 100
167 32.1 21.9 32.9
279 0.0 3.0 4.4#



#85
Di-n-octyl phthalate
Concen: 3.944 ng
RT: 14.768 min Scan# 2156
Delta R.T. -0.018 min
Lab File: BF131350.D
Acq: 23 Nov 2022 02:00

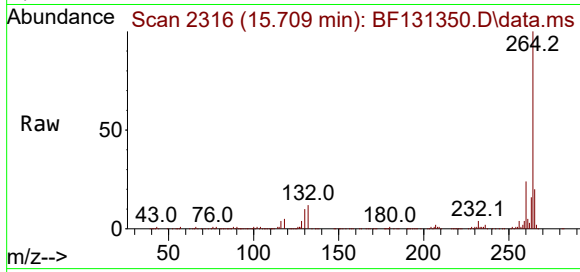
Tgt Ion:149 Resp: 390
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 141.5 10.7 16.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.709 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF131350.D
 Acq: 23 Nov 2022 02:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-3



Tgt Ion:264 Resp: 197095
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 20.5 16.4 24.6

