

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137220.D
 Acq On : 31 Jan 2024 19:59
 Operator : CG\JU
 Sample : P1270-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126

Quant Time: Feb 01 01:21:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

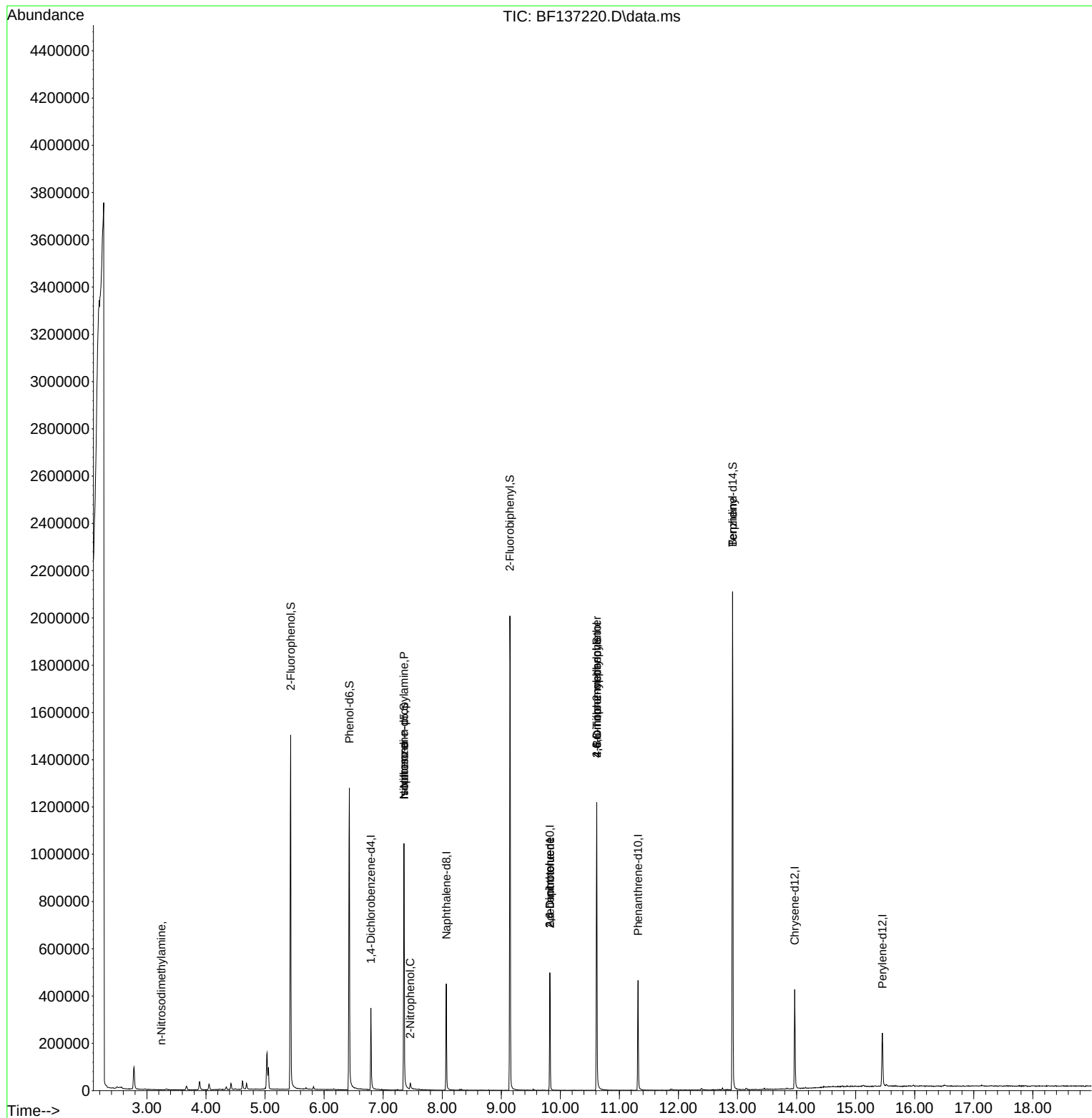
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	47268	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	176907	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	96286	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	175981	20.000	ng	0.00
76) Chrysene-d12	13.969	240	149424	20.000	ng	0.00
86) Perylene-d12	15.451	264	117695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	369111	128.853	ng	0.02
7) Phenol-d6	6.428	99	430633	105.339	ng	0.00
23) Nitrobenzene-d5	7.351	82	337195	85.337	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	140101	128.839	ng	0.00
45) 2-Fluorobiphenyl	9.146	172	629648	89.894	ng	0.00
79) Terphenyl-d14	12.916	244	789435	71.822	ng	0.00
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.246	42	241	6.195	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	45225	16.135	ng	# 78
25) Isophorone	7.351	82	337191	46.233	ng	# 67
26) 2-Nitrophenol	7.457	139	80	2.501	ng	# 28
51) 2,6-Dinitrotoluene	9.822	165	12025	8.669	ng	# 18
57) 2,4-Dinitrotoluene	9.822	165	12025	6.681	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.616	198	275	5.716	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	9676	5.000	ng	# 1
77) Benzidine	12.916	184	10293	3.847	ng	# 94

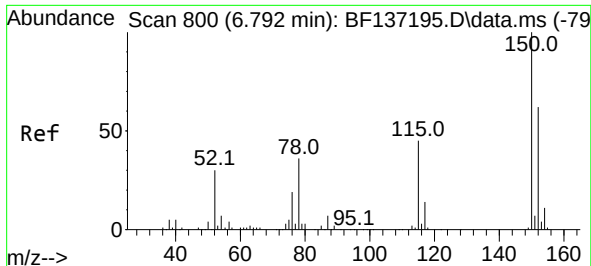
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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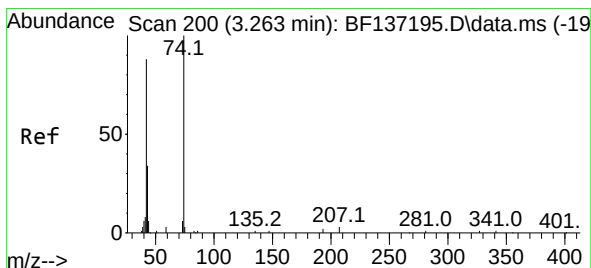
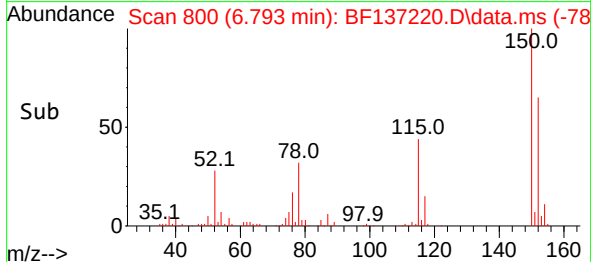
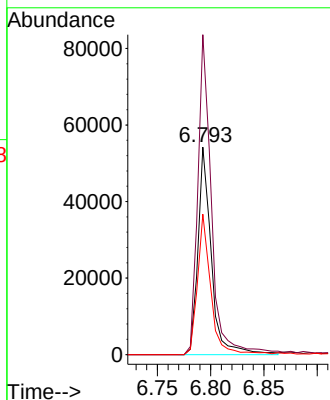
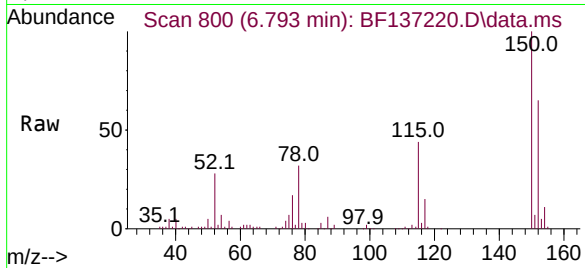




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

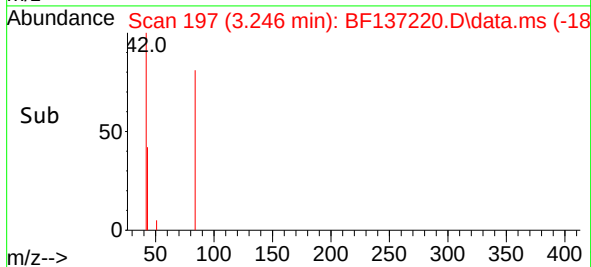
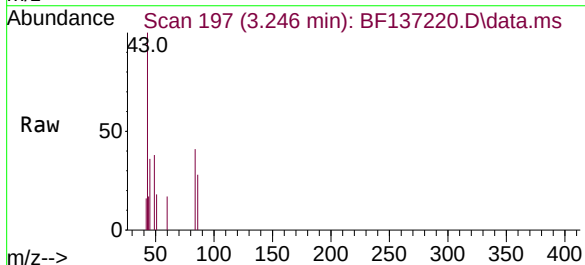
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126

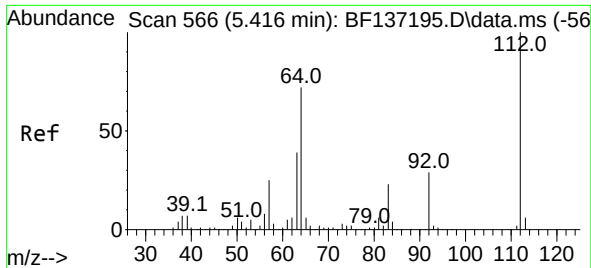
Tgt Ion:152 Resp: 47268
Ion Ratio Lower Upper
152 100
150 154.3 129.8 194.8
115 67.7 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.195 ng
RT: 3.246 min Scan# 197
Delta R.T. -0.017 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

Tgt Ion: 42 Resp: 241
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 106.9 6.1 9.1#

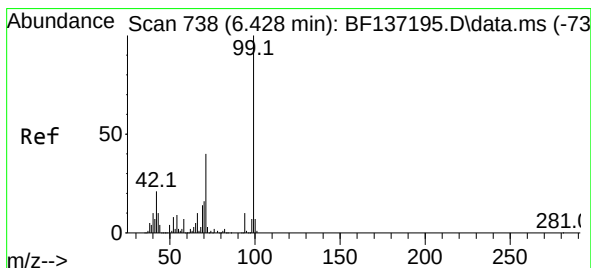
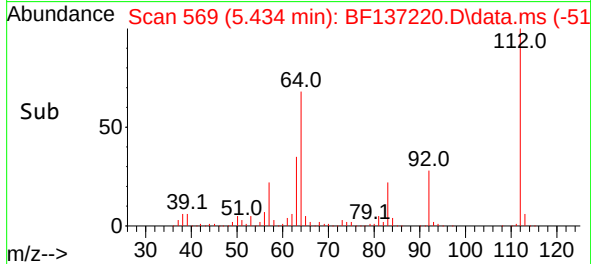
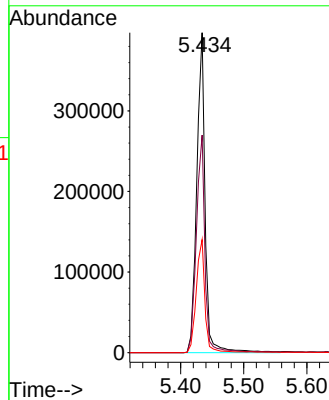
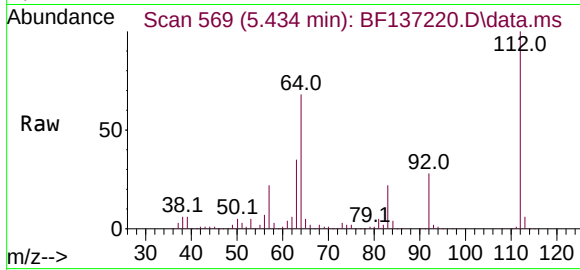




#5
2-Fluorophenol
Concen: 128.853 ng
RT: 5.434 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

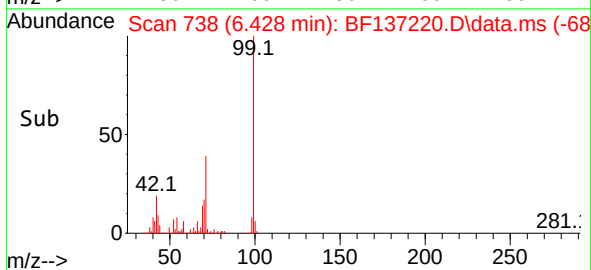
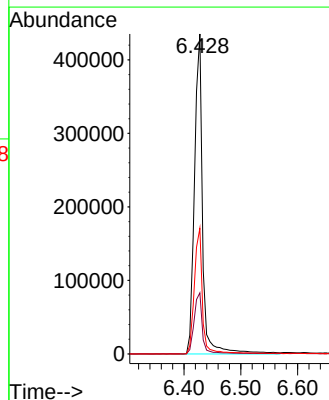
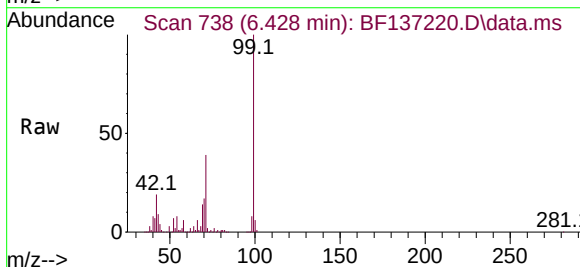
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126

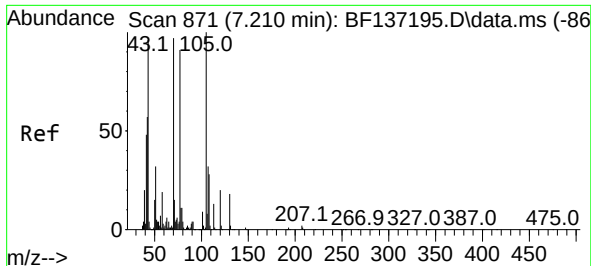
Tgt Ion:112 Resp: 369111
Ion Ratio Lower Upper
112 100
64 68.0 57.8 86.6
63 35.3 31.4 47.0



#7
Phenol-d6
Concen: 105.339 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

Tgt Ion: 99 Resp: 430633
Ion Ratio Lower Upper
99 100
42 19.1 16.4 24.6
71 39.3 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 16.135 ng

RT: 7.351 min Scan# 89

Delta R.T. 0.142 min

Lab File: BF137220.D

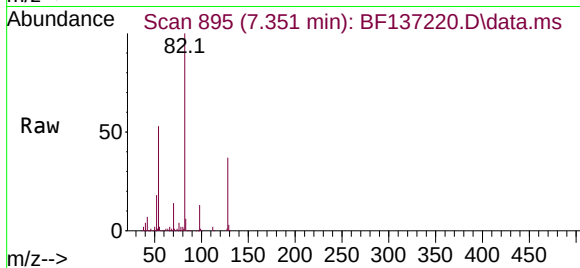
Acq: 31 Jan 2024 19:59

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126



Tgt Ion: 70 Resp: 45225

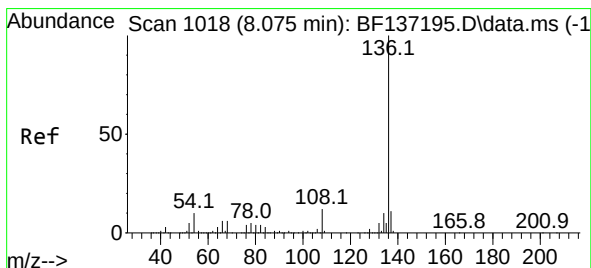
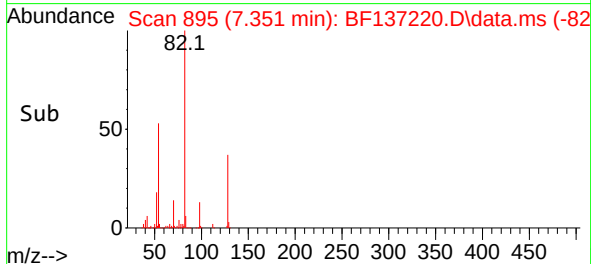
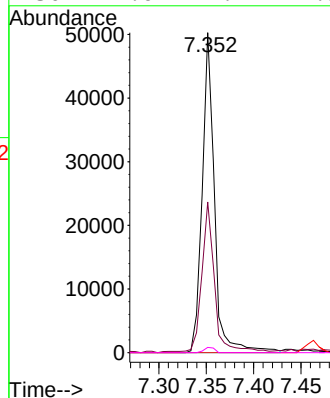
Ion Ratio Lower Upper

70 100

42 47.1 47.2 70.8#

101 0.0 7.4 11.0#

130 1.6 14.9 22.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF137220.D

Acq: 31 Jan 2024 19:59

Tgt Ion:136 Resp: 176907

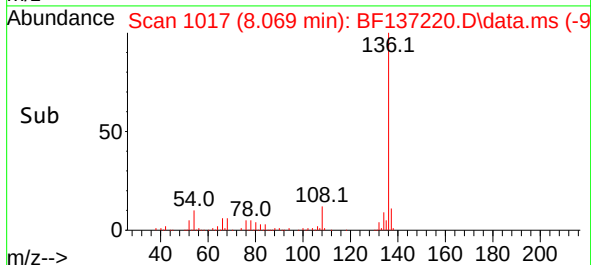
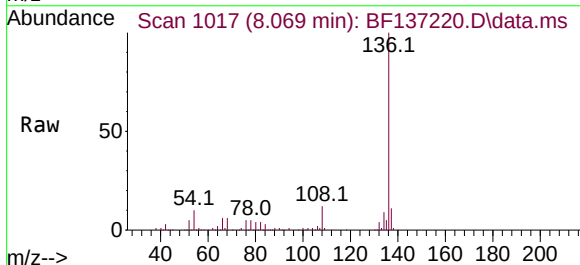
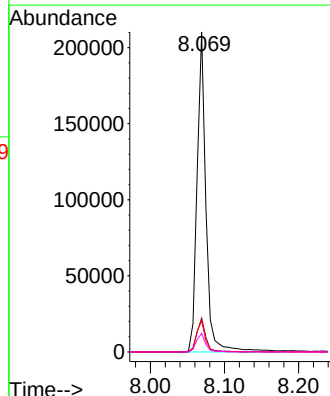
Ion Ratio Lower Upper

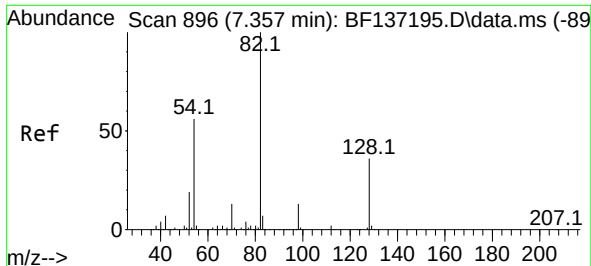
136 100

137 10.6 8.9 13.3

54 9.6 7.8 11.8

68 5.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 85.337 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137220.D

Acq: 31 Jan 2024 19:59

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126

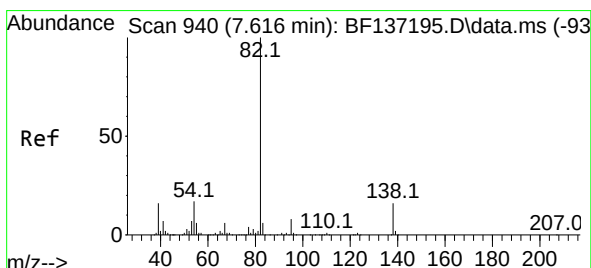
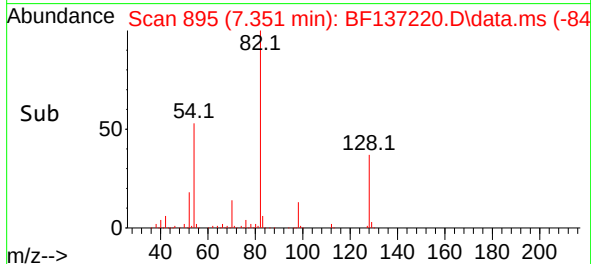
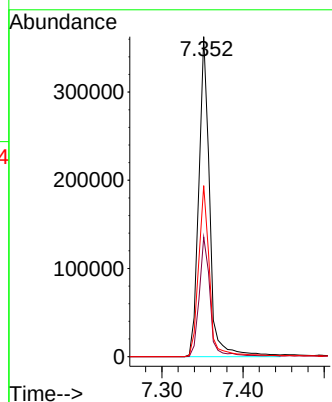
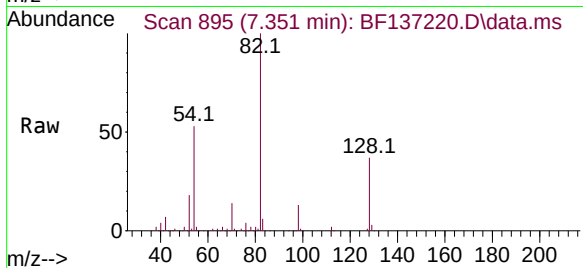
Tgt Ion: 82 Resp: 337195

Ion Ratio Lower Upper

82 100

128 37.4 29.1 43.7

54 53.4 45.0 67.6



#25

Isophorone

Concen: 46.233 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.264 min

Lab File: BF137220.D

Acq: 31 Jan 2024 19:59

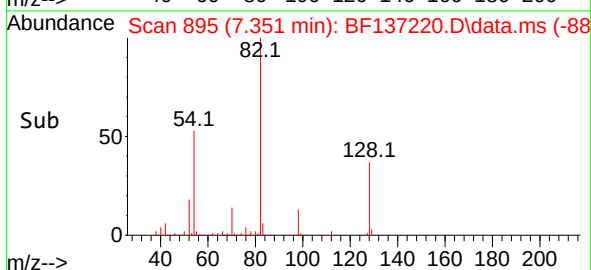
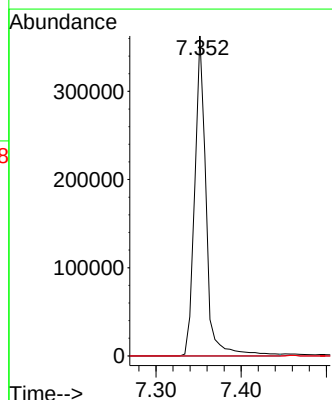
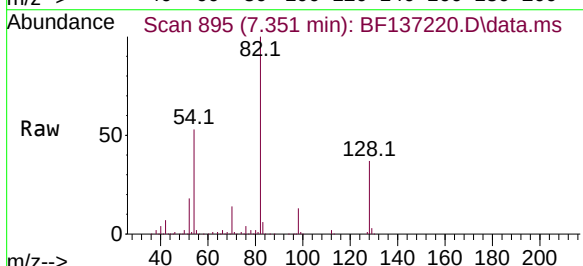
Tgt Ion: 82 Resp: 337191

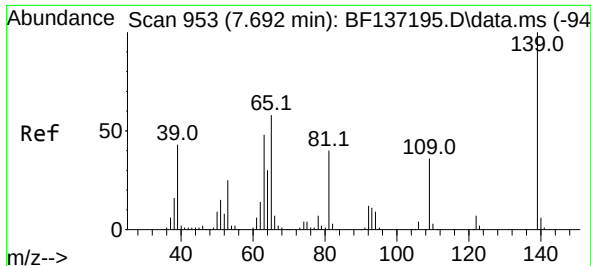
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

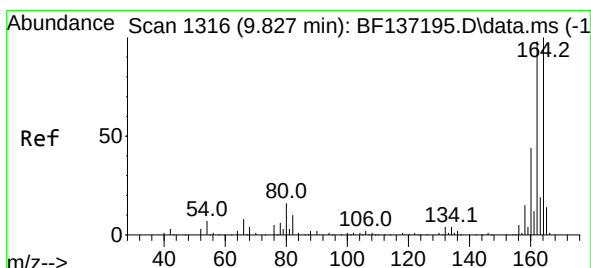
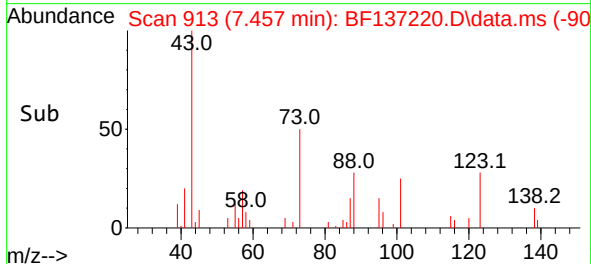
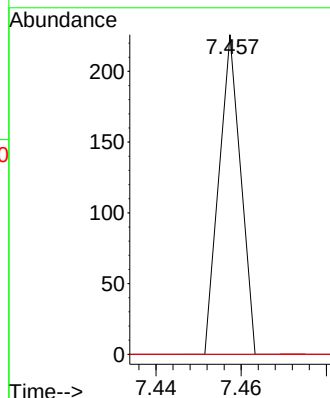
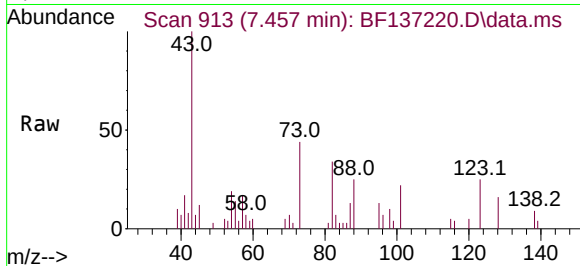




#26
2-Nitrophenol
Concen: 2.501 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

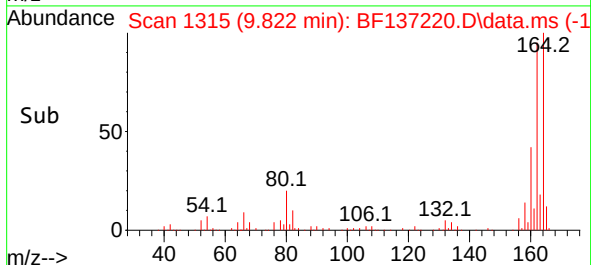
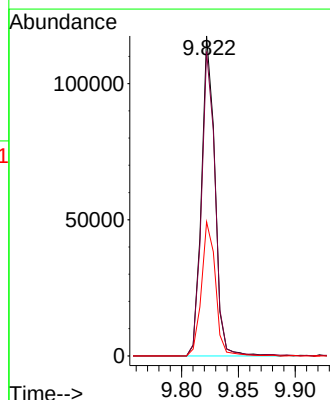
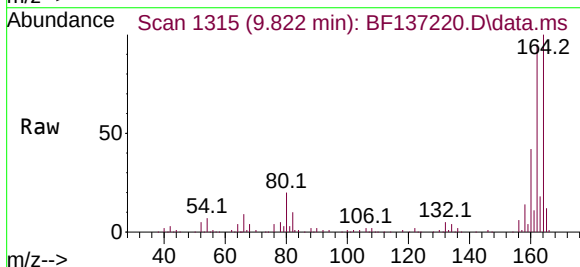
Instrument :
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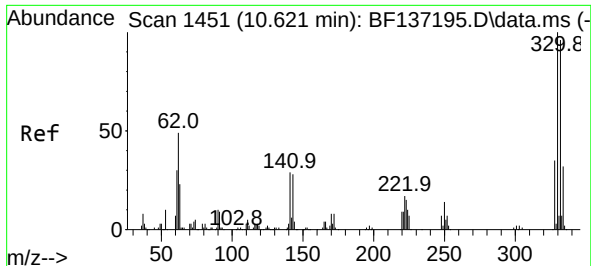
Tgt Ion:139 Resp: 80
Ion Ratio Lower Upper
139 100
109 0.0 28.5 42.7#
65 0.0 46.7 70.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

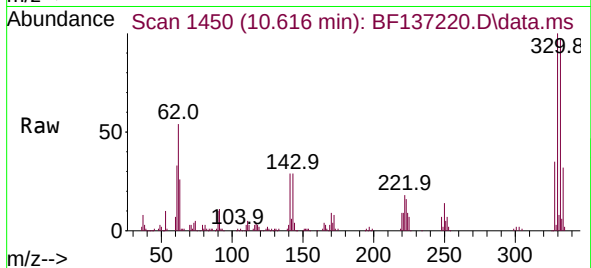
Tgt Ion:164 Resp: 96286
Ion Ratio Lower Upper
164 100
162 95.1 78.3 117.5
160 41.9 35.4 53.2



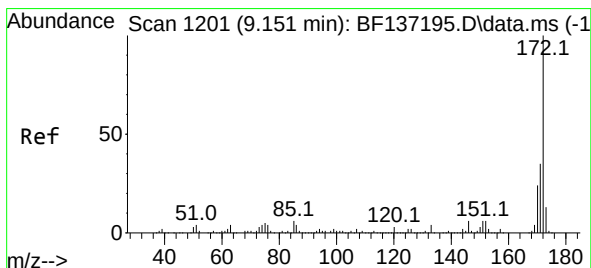
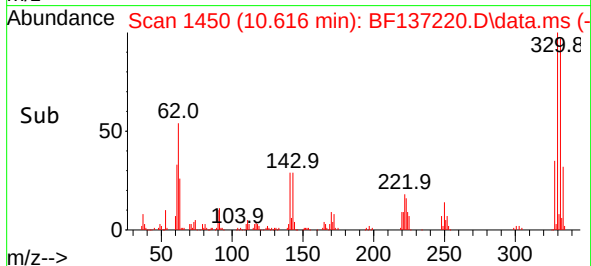
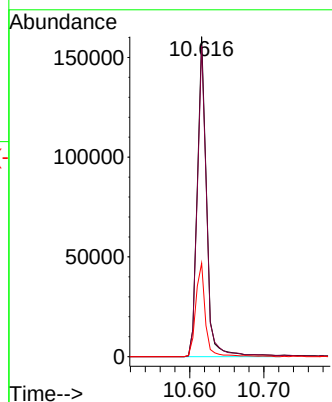


#42
2,4,6-Tribromophenol
Concen: 128.839 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

Instrument :
BNA_F
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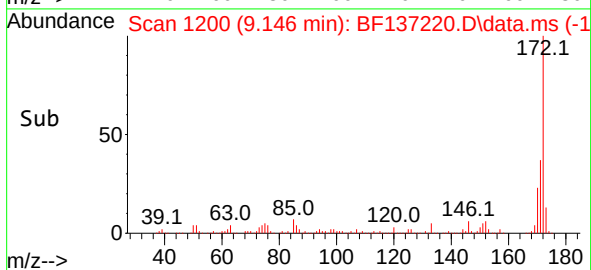
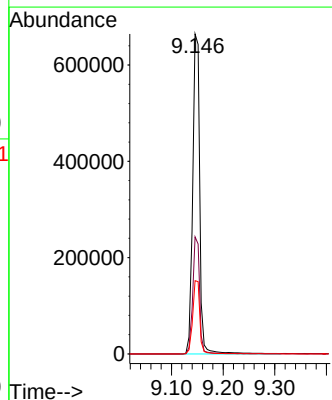
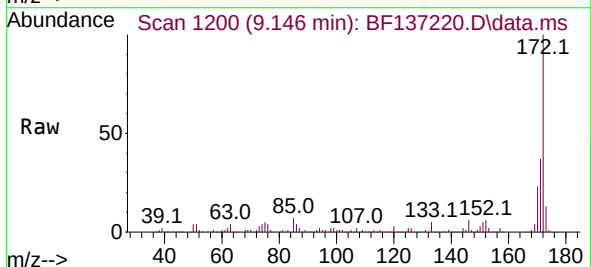


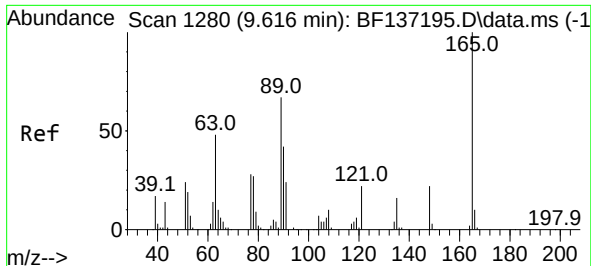
Tgt Ion:330 Resp: 140101
Ion Ratio Lower Upper
330 100
332 97.7 77.3 115.9
141 30.2 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 89.894 ng
RT: 9.146 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

Tgt Ion:172 Resp: 629648
Ion Ratio Lower Upper
172 100
171 36.6 28.3 42.5
170 22.9 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.669 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF137220.D

Acq: 31 Jan 2024 19:59

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126

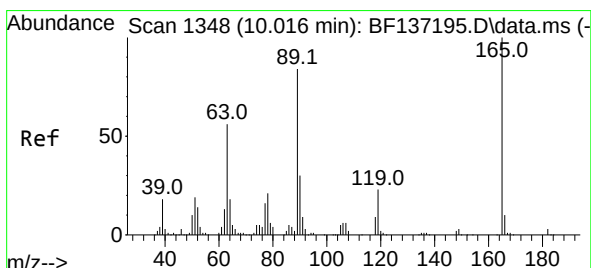
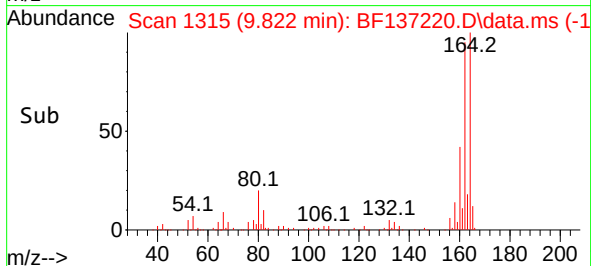
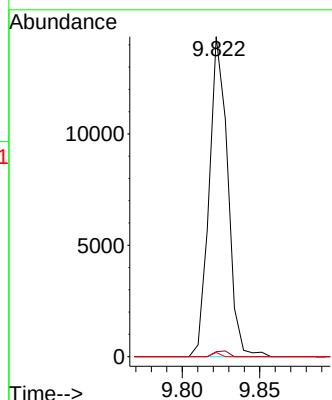
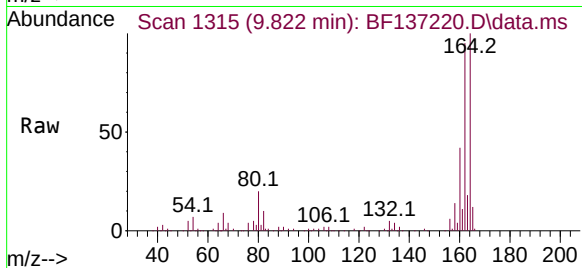
Tgt Ion:165 Resp: 12025

Ion Ratio Lower Upper

165 100

63 1.5 55.1 82.7#

89 1.3 53.5 80.3#



#57

2,4-Dinitrotoluene

Concen: 6.681 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF137220.D

Acq: 31 Jan 2024 19:59

Tgt Ion:165 Resp: 12025

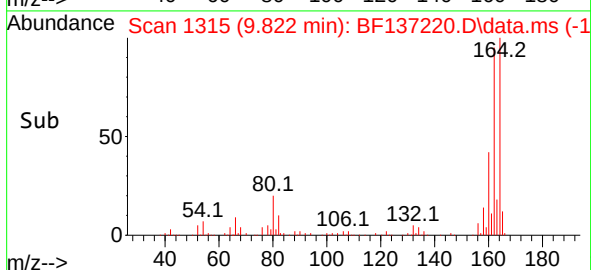
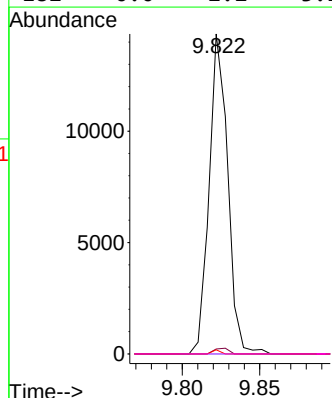
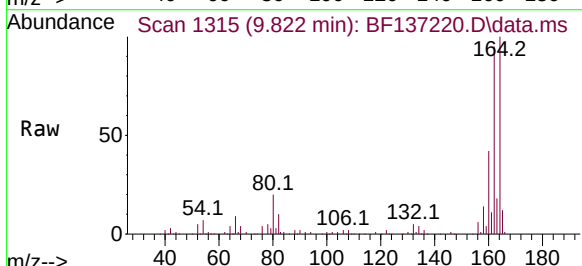
Ion Ratio Lower Upper

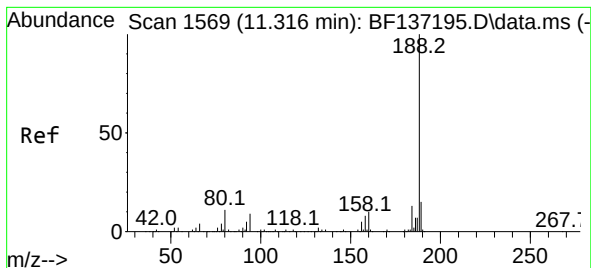
165 100

63 1.5 46.1 69.1#

89 1.3 67.5 101.3#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137220.D

Acq: 31 Jan 2024 19:59

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20240126

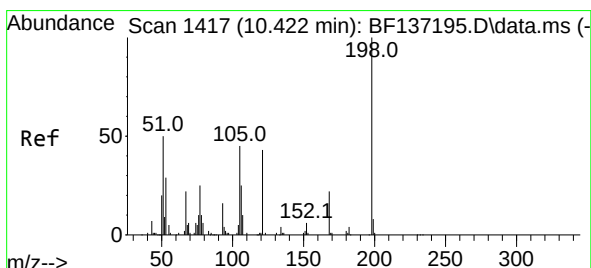
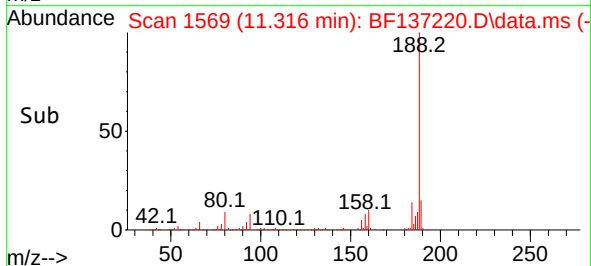
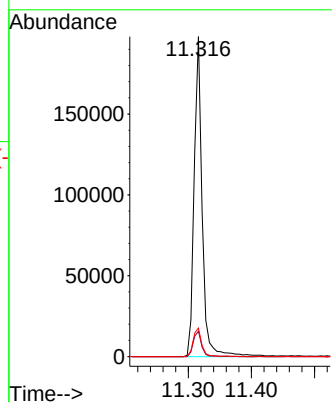
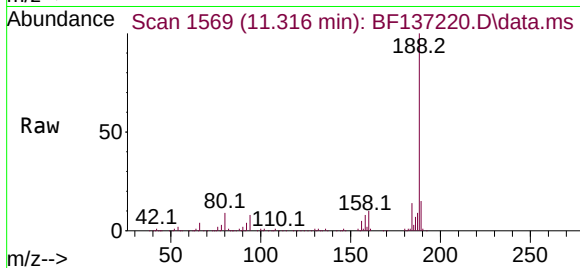
Tgt Ion:188 Resp: 175981

Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.4

80 8.9 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.716 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.194 min

Lab File: BF137220.D

Acq: 31 Jan 2024 19:59

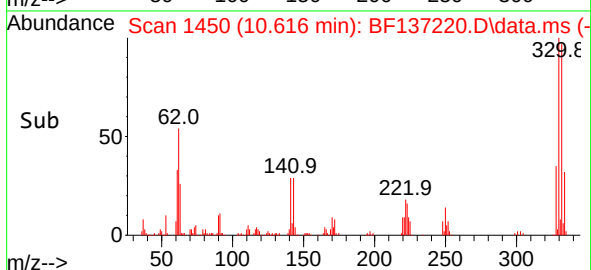
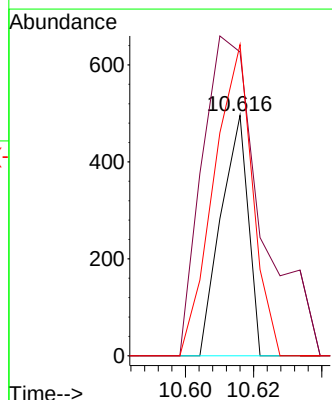
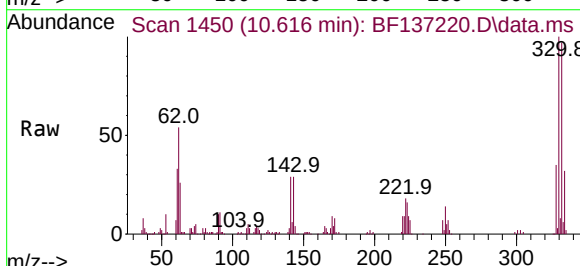
Tgt Ion:198 Resp: 275

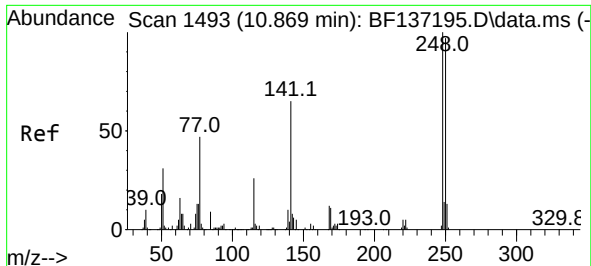
Ion Ratio Lower Upper

198 100

51 126.4 40.9 80.9#

105 129.4 26.5 66.5#

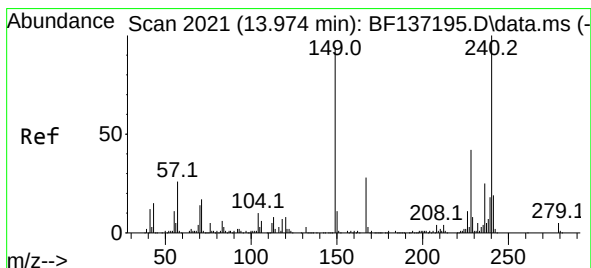
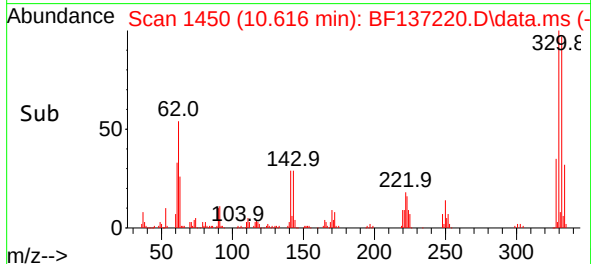
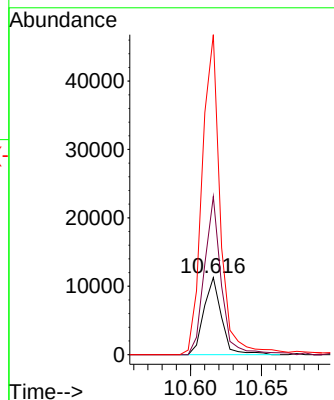
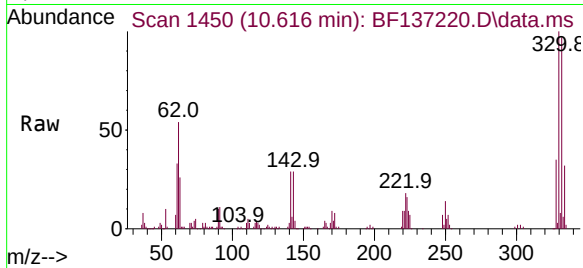




#67
4-Bromophenyl-phenylether
Concen: 5.000 ng
RT: 10.616 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

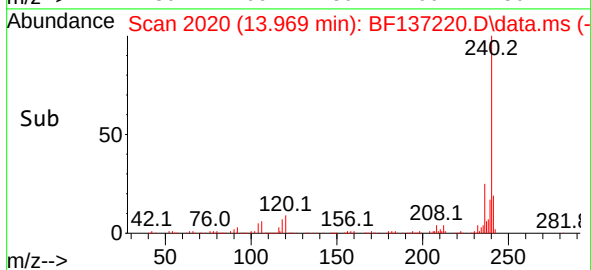
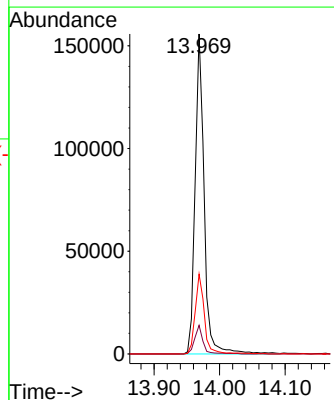
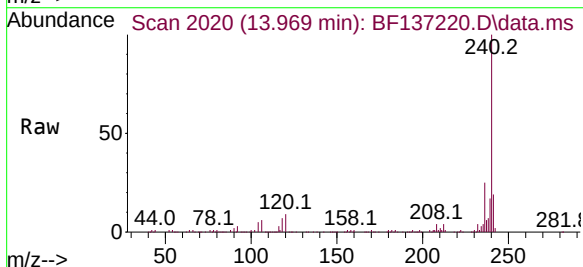
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126

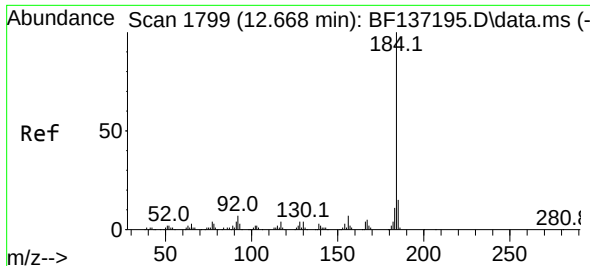
Tgt Ion:248 Resp: 9676
Ion Ratio Lower Upper
248 100
250 205.3 77.7 116.5#
141 415.7 51.6 77.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

Tgt Ion:240 Resp: 149424
Ion Ratio Lower Upper
240 100
120 8.9 6.3 9.5
236 24.9 20.3 30.5

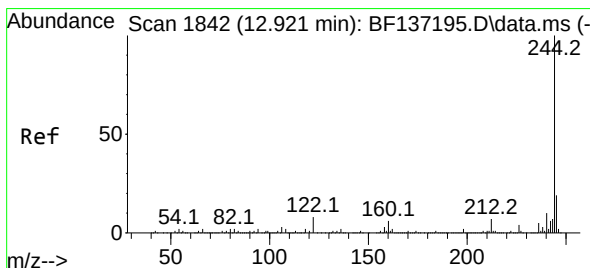
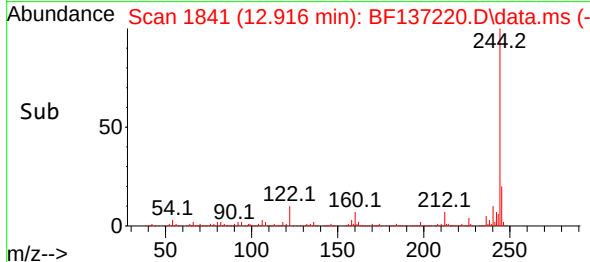
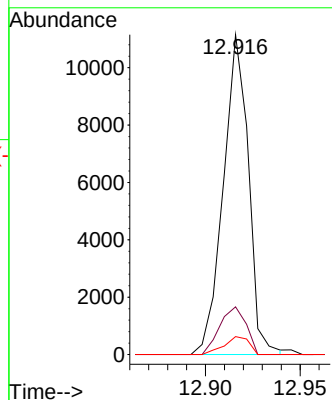
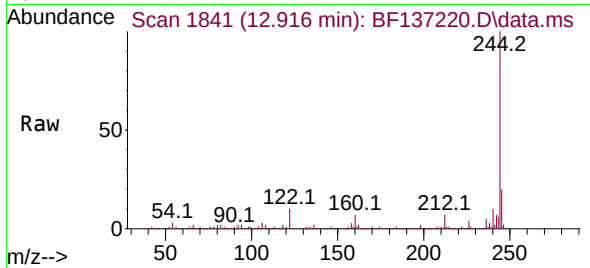




#77
Benzidine
Concen: 3.847 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.248 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

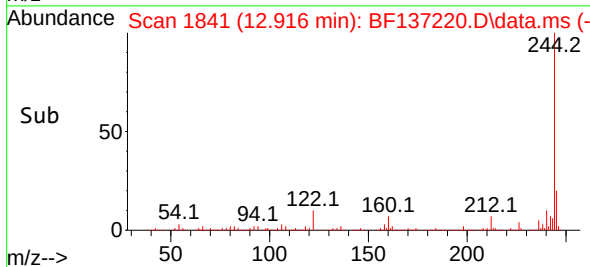
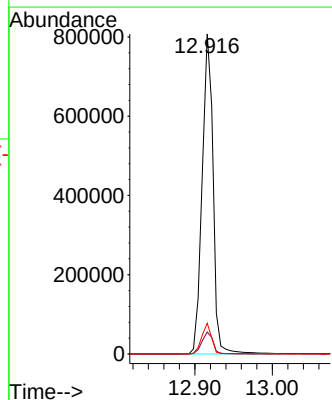
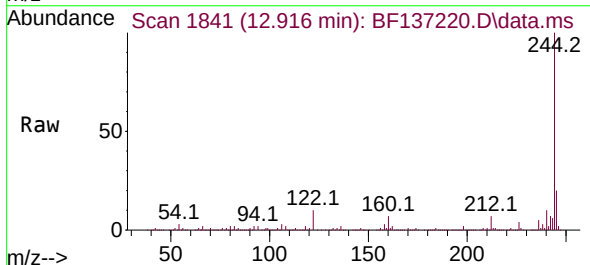
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20240126

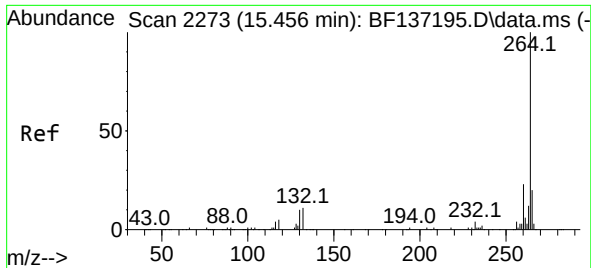
Tgt Ion:184 Resp: 10293
Ion Ratio Lower Upper
184 100
185 14.9 11.9 17.9
183 5.6 8.8 13.2#



#79
Terphenyl-d14
Concen: 71.822 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137220.D
Acq: 31 Jan 2024 19:59

Tgt Ion:244 Resp: 789435
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 9.6 6.2 9.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF137220.D
 Acq: 31 Jan 2024 19:59

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20240126

Tgt Ion:264 Resp: 117695
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.2 27.4
 265 21.8 16.2 24.2

