

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136587.D
 Acq On : 15 Dec 2023 12:09
 Operator : CG\JU
 Sample : 05718-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20231206

Quant Time: Dec 15 12:34:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

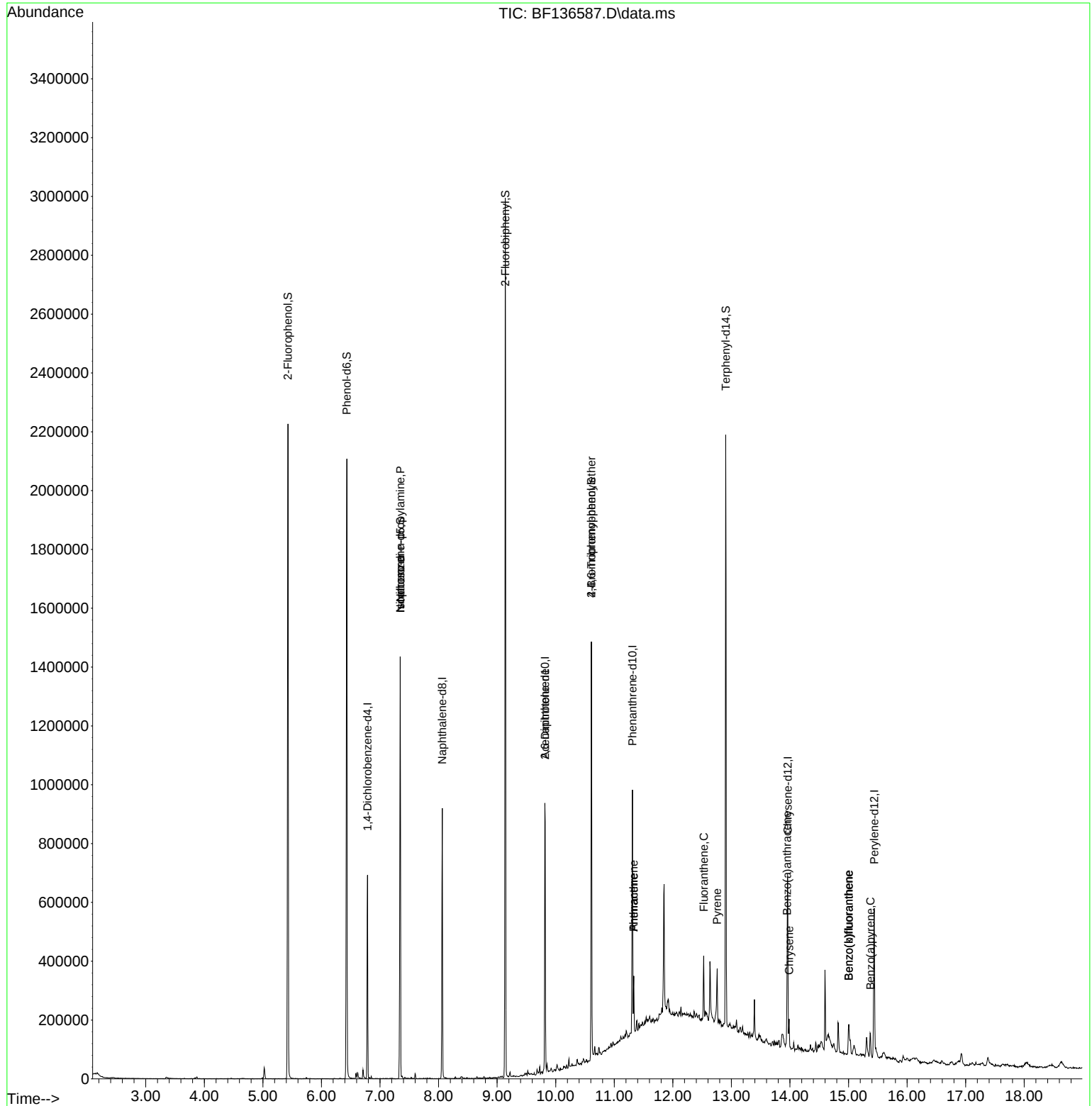
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	99363	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	391720	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	192907	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	286914	20.000	ng	0.00
76) Chrysene-d12	13.963	240	192519	20.000	ng	0.00
86) Perylene-d12	15.439	264	237633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	603297	89.668	ng	0.00
7) Phenol-d6	6.434	99	733096	87.332	ng	0.00
23) Nitrobenzene-d5	7.345	82	452174	62.403	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	178118	74.885	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	917581	64.904	ng	0.00
79) Terphenyl-d14	12.904	244	699916	47.918	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.334	77	65	Below Cal		86
19) n-Nitroso-di-n-propyla...	7.345	70	58762	12.135 ng	#	76
25) Isophorone	7.345	82	452245	34.740 ng	#	65
51) 2,6-Dinitrotoluene	9.816	165	25297	7.917 ng	#	28
67) 4-Bromophenyl-phenylether	10.610	248	11352	3.403 ng	#	1
71) Phenanthrene	11.333	178	68848	4.366 ng		95
72) Anthracene	11.333	178	68848	4.334 ng		96
75) Fluoranthene	12.527	202	81118	4.908 ng		98
77) Benzidine	12.639	184	387	Below Cal	#	1
78) Pyrene	12.757	202	77031	4.086 ng		96
81) Benzo(a)anthracene	13.951	228	39035	2.911 ng		97
83) Chrysene	13.986	228	36031	2.731 ng		98
88) Benzo(b)fluoranthene	15.004	252	72809	4.481 ng		94
89) Benzo(k)fluoranthene	15.004	252	72809	4.755 ng		95
90) Benzo(a)pyrene	15.374	252	39036	2.909 ng		97

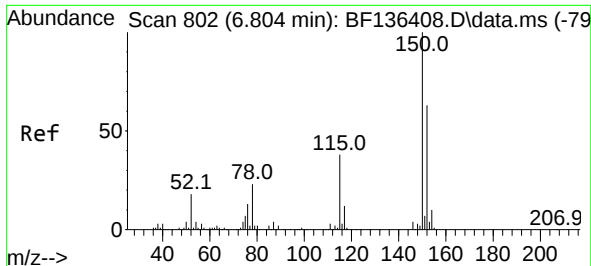
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 15 12:34:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
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QLast Update : Fri Dec 15 00:33:23 2023
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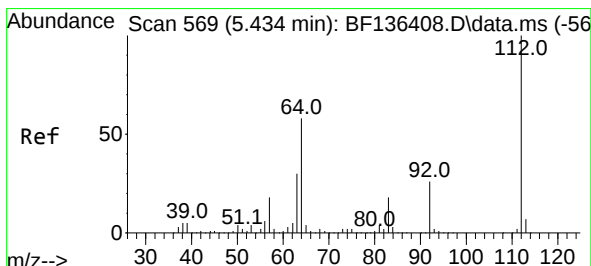
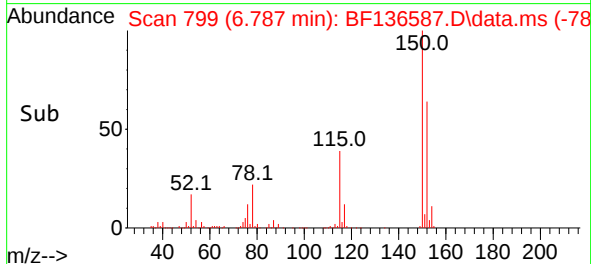
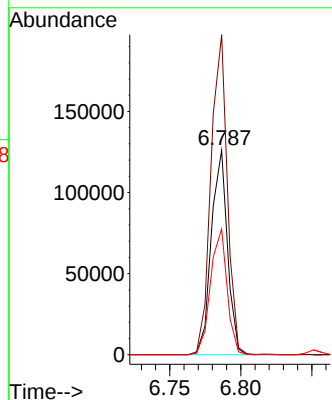
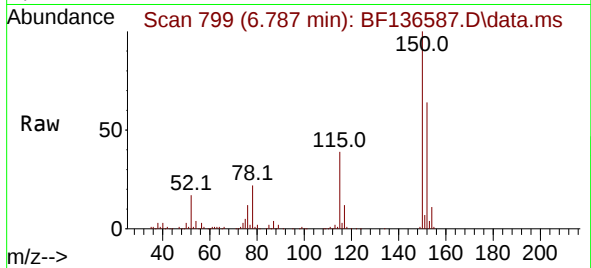




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

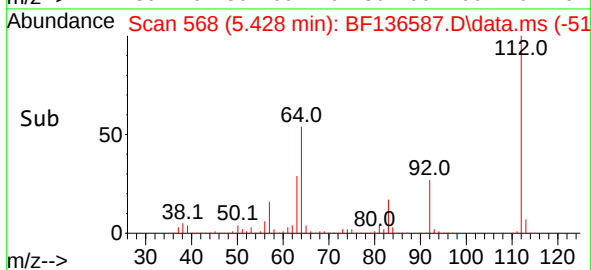
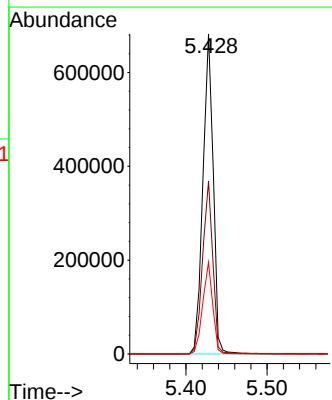
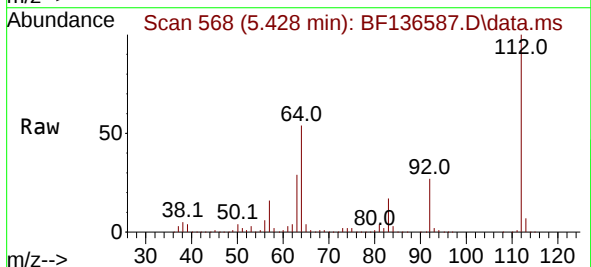
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

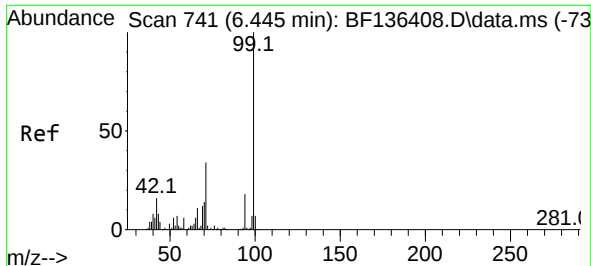
Tgt Ion:152 Resp: 99363
Ion Ratio Lower Upper
152 100
150 156.5 126.4 189.6
115 61.5 48.2 72.4



#5
2-Fluorophenol
Concen: 89.668 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

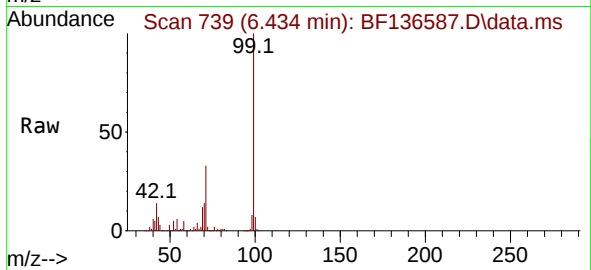
Tgt Ion:112 Resp: 603297
Ion Ratio Lower Upper
112 100
64 54.0 46.5 69.7
63 28.6 23.9 35.9



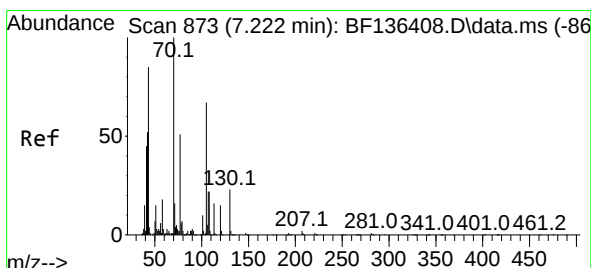
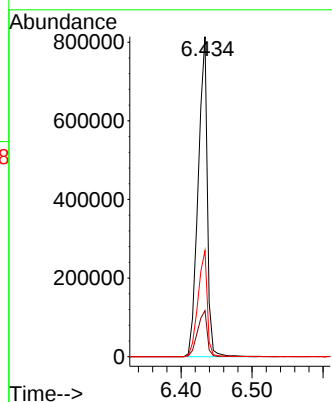
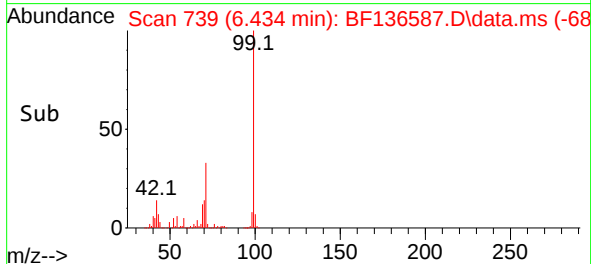


#7
Phenol-d6
Concen: 87.332 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

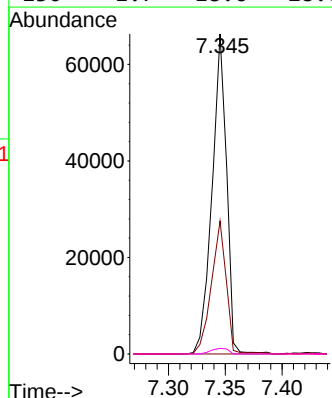
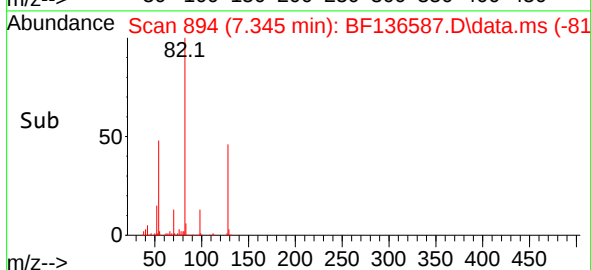
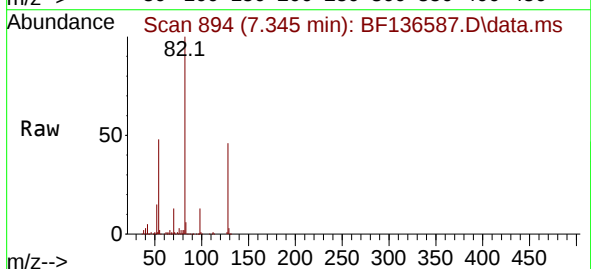


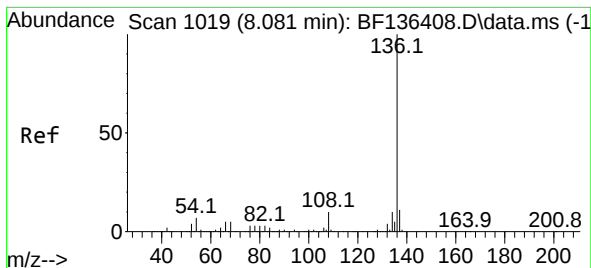
Tgt Ion: 99 Resp: 733096
Ion Ratio Lower Upper
99 100
42 14.4 12.8 19.2
71 33.1 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.135 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion: 70 Resp: 58762
Ion Ratio Lower Upper
70 100
42 41.5 41.4 62.0
101 0.0 8.2 12.4#
130 1.7 18.6 28.0#



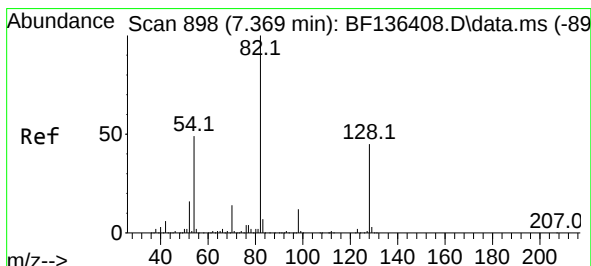
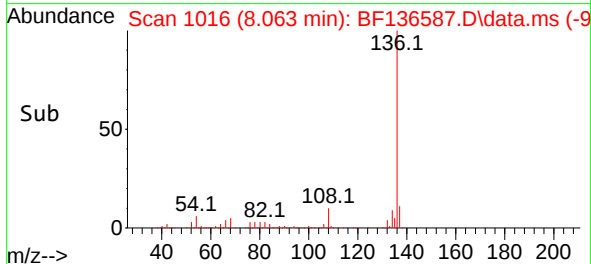
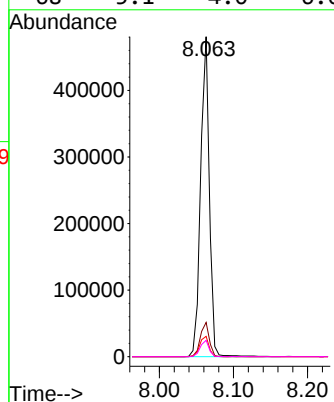
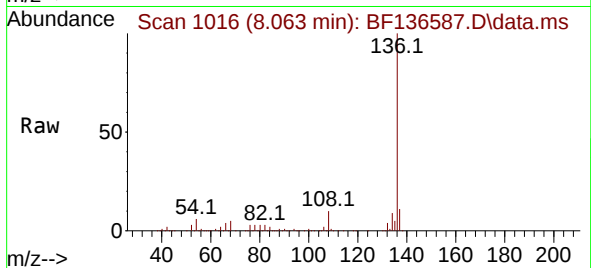


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

Tgt Ion:136 Resp: 391720

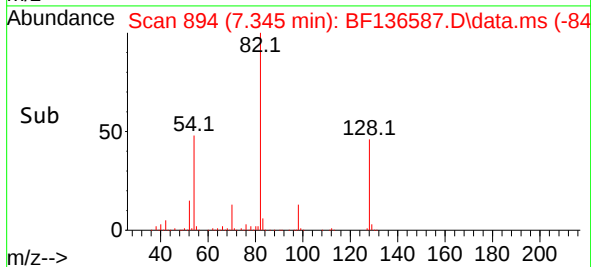
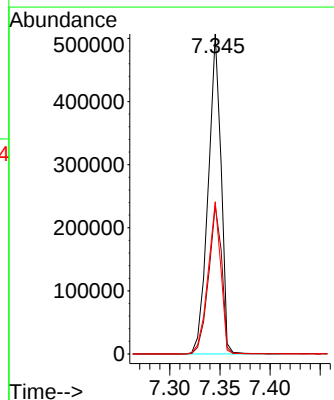
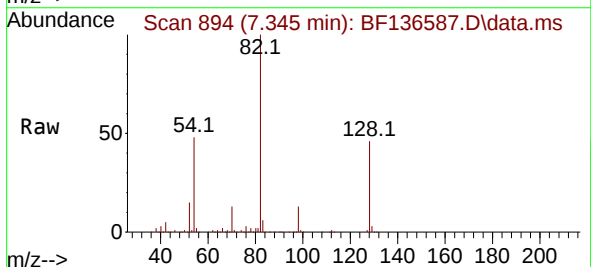
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	6.4	5.7	8.5
68	5.1	4.0	6.0

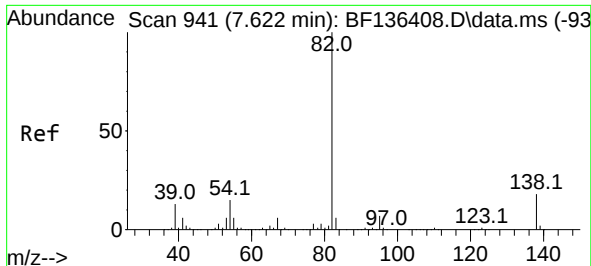


#23
Nitrobenzene-d5
Concen: 62.403 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion: 82 Resp: 452174

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.3	54.5
54	47.6	39.0	58.6

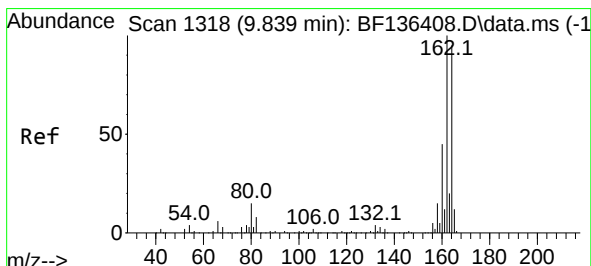
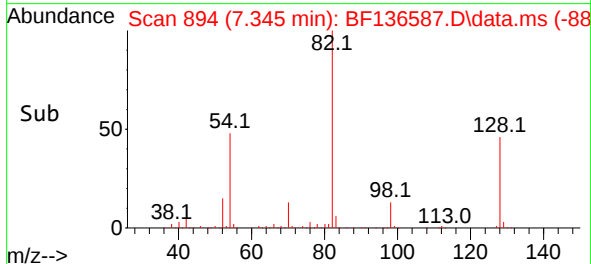
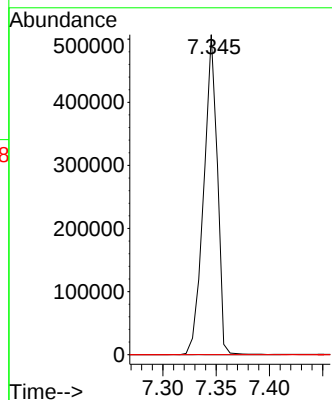
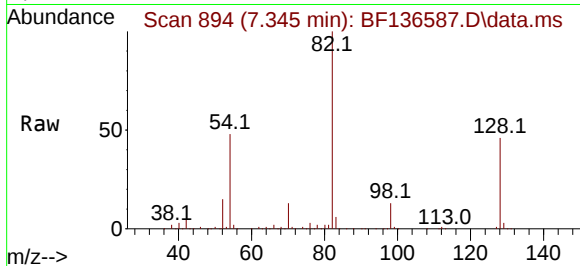




#25
Isophorone
Concen: 34.740 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

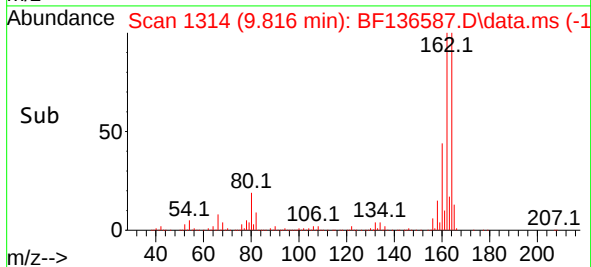
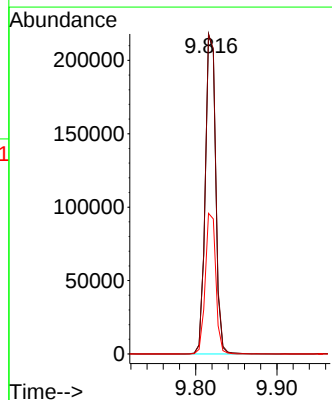
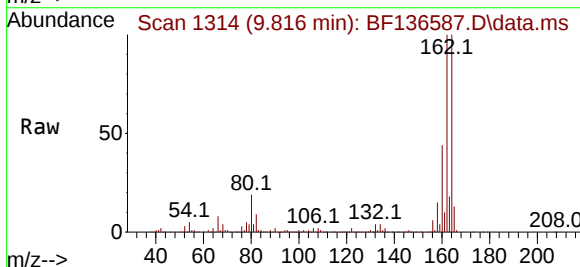
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

Tgt Ion: 82 Resp: 452245
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

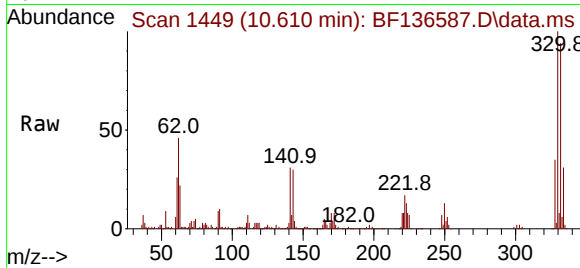
Tgt Ion:164 Resp: 192907
Ion Ratio Lower Upper
164 100
162 99.9 84.4 126.6
160 44.0 37.6 56.4



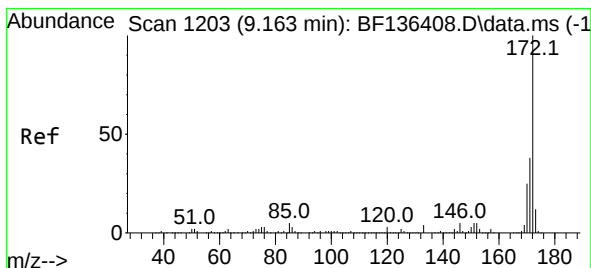
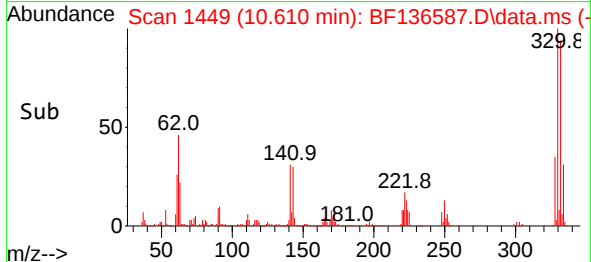
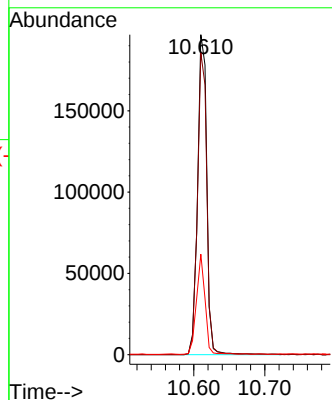


#42
2,4,6-Tribromophenol
Concen: 74.885 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

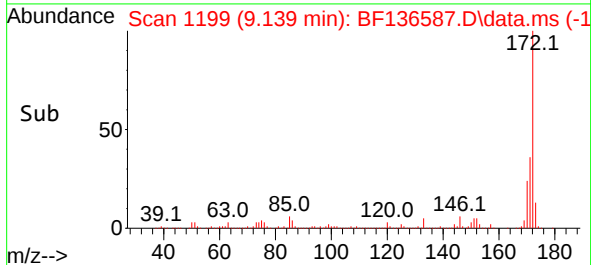
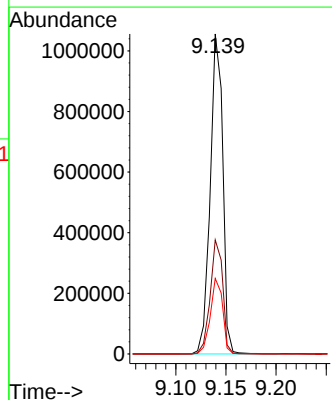
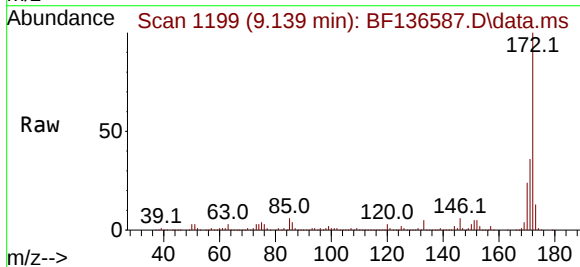


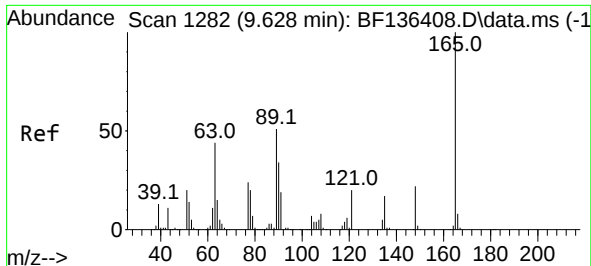
Tgt Ion:330 Resp: 178118
Ion Ratio Lower Upper
330 100
332 94.9 76.4 114.6
141 29.0 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 64.904 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion:172 Resp: 917581
Ion Ratio Lower Upper
172 100
171 35.7 30.5 45.7
170 23.6 19.9 29.9





#51

2,6-Dinitrotoluene

Concen: 7.917 ng

RT: 9.816 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206

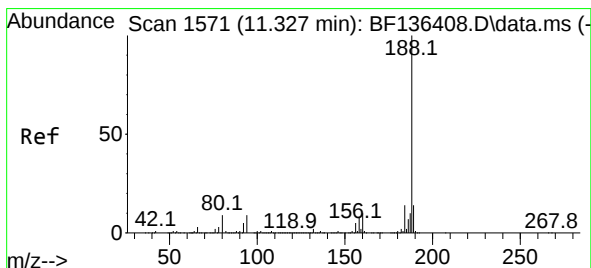
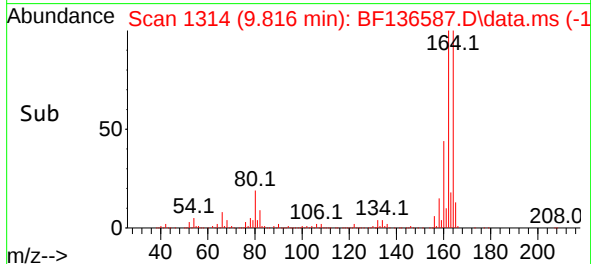
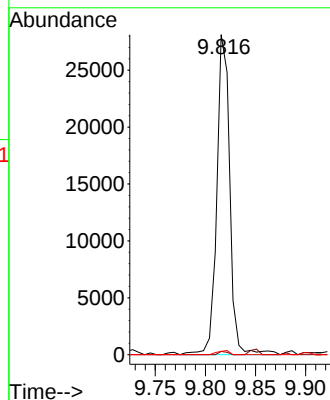
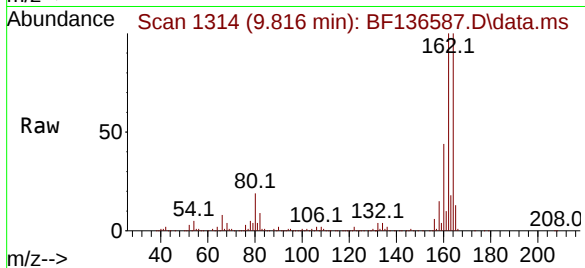
Tgt Ion:165 Resp: 25297

Ion Ratio Lower Upper

165 100

63 1.0 40.4 60.6#

89 1.0 40.6 60.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

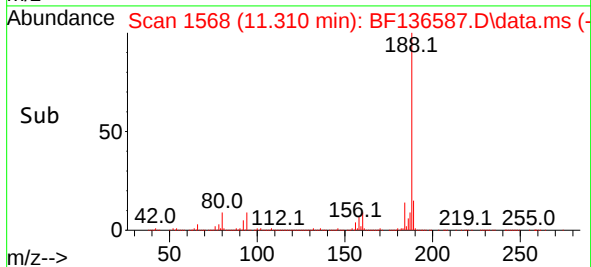
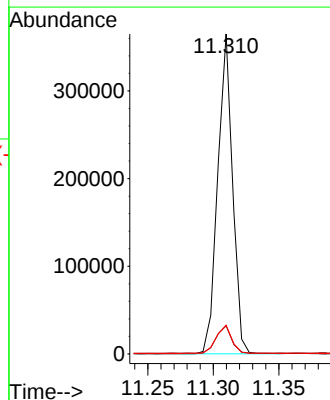
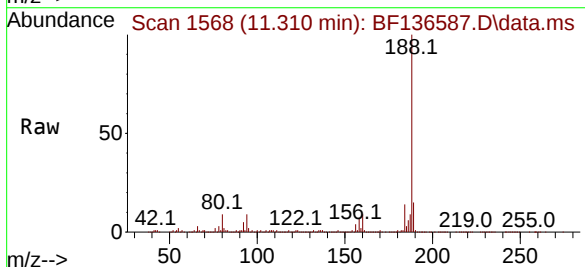
Tgt Ion:188 Resp: 286914

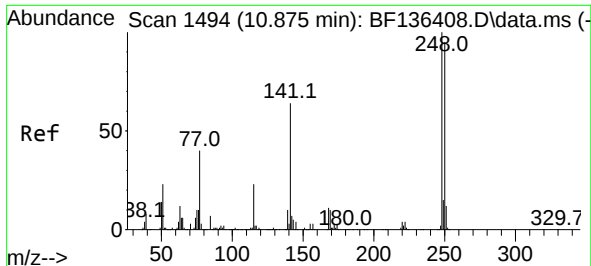
Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

80 9.0 7.2 10.8

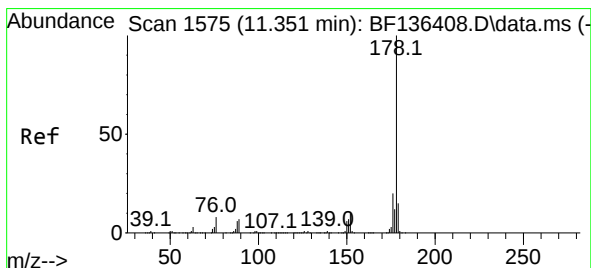
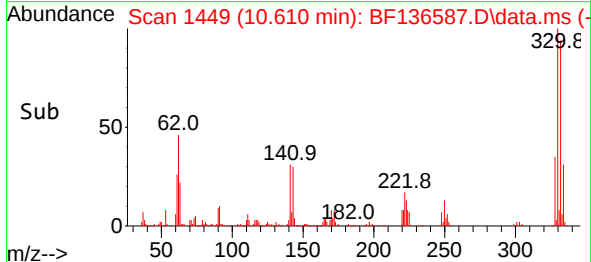
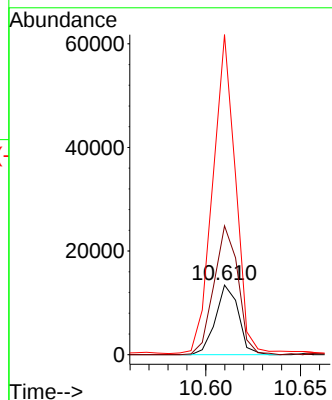
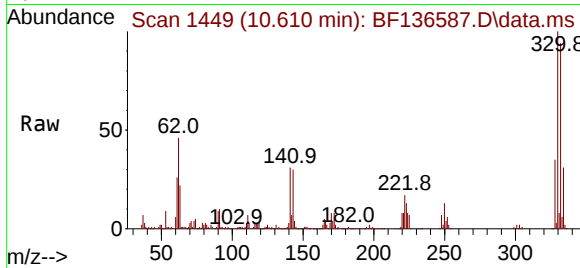




#67
4-Bromophenyl-phenylether
Concen: 3.403 ng
RT: 10.610 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

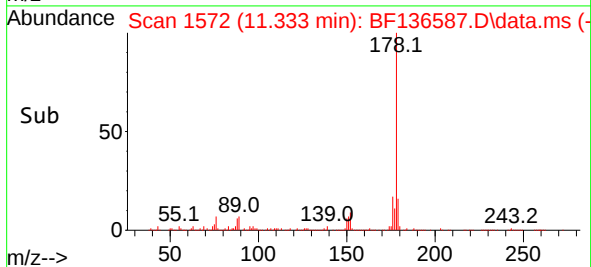
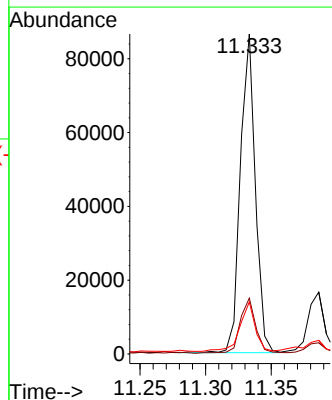
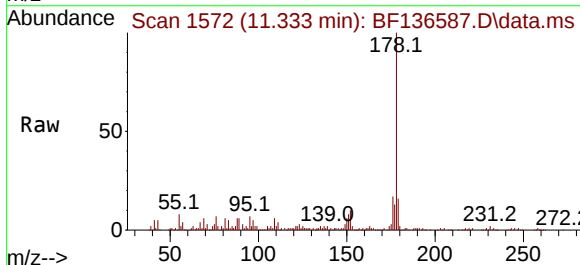
Instrument :
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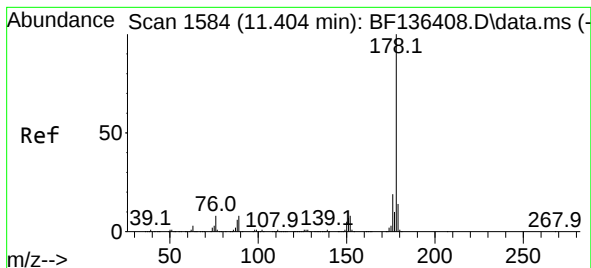
Tgt Ion:248 Resp: 11352
Ion Ratio Lower Upper
248 100
250 185.2 76.2 114.2#
141 459.8 51.0 76.4#



#71
Phenanthrene
Concen: 4.366 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion:178 Resp: 68848
Ion Ratio Lower Upper
178 100
176 17.4 15.9 23.9
179 16.3 11.8 17.6





#72

Anthracene

Concen: 4.334 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206

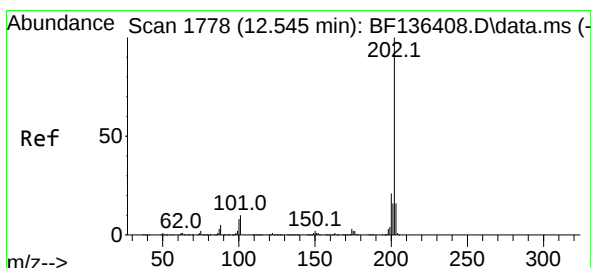
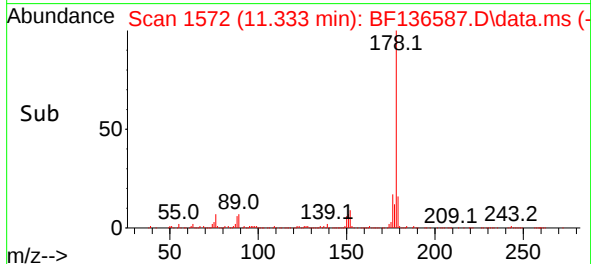
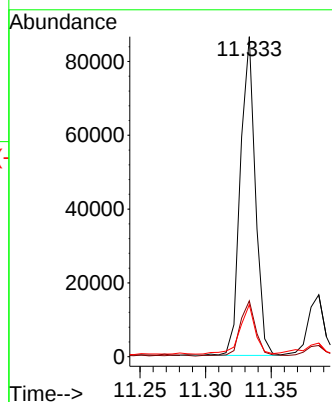
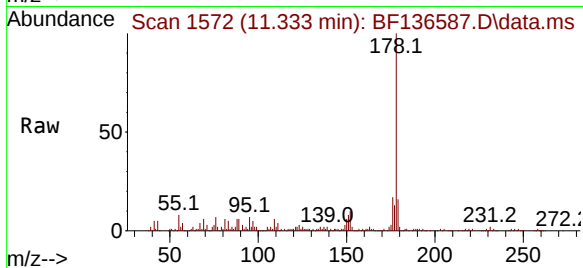
Tgt Ion:178 Resp: 68848

Ion Ratio Lower Upper

178 100

176 17.4 15.3 22.9

179 16.3 11.4 17.0



#75

Fluoranthene

Concen: 4.908 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

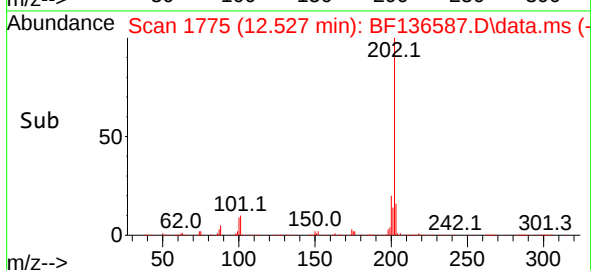
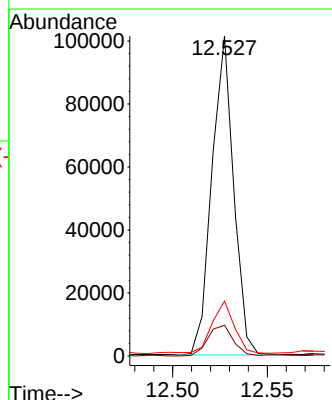
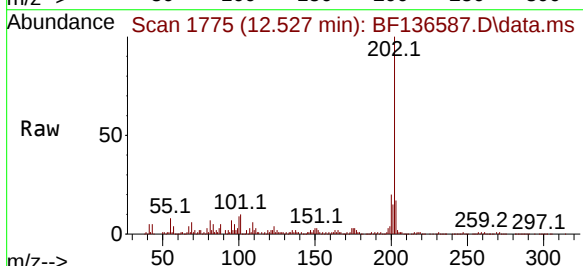
Tgt Ion:202 Resp: 81118

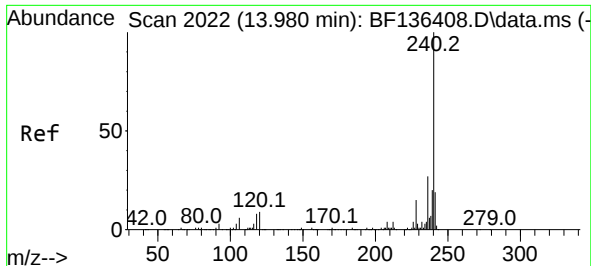
Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.9

203 17.1 0.0 36.3

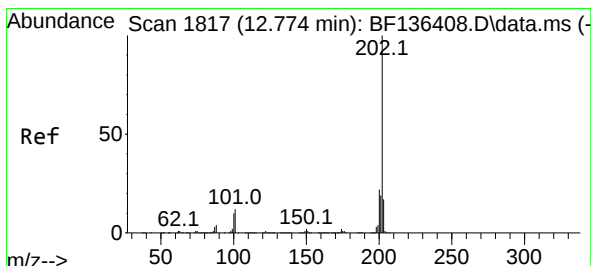
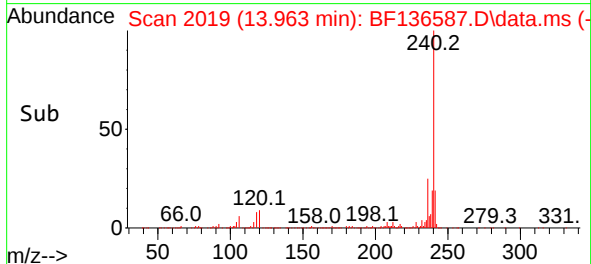
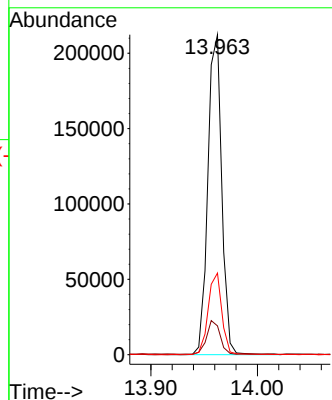
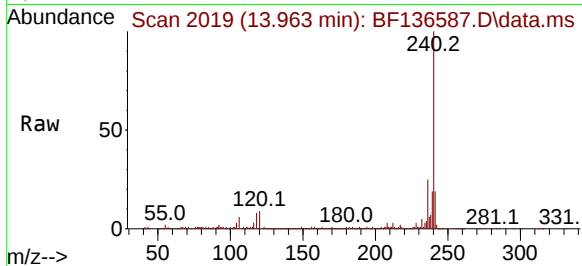




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

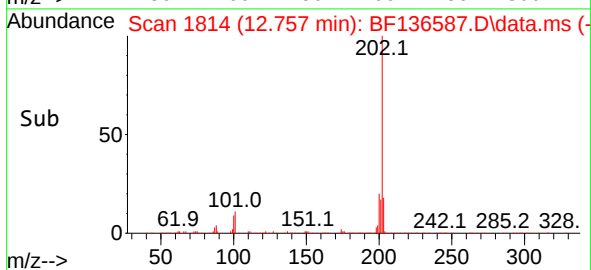
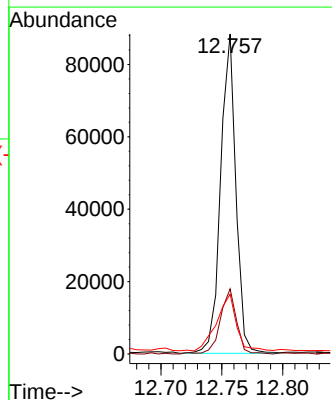
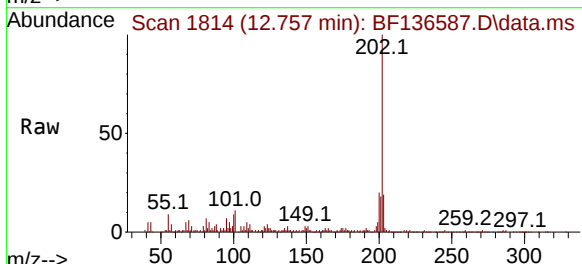
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

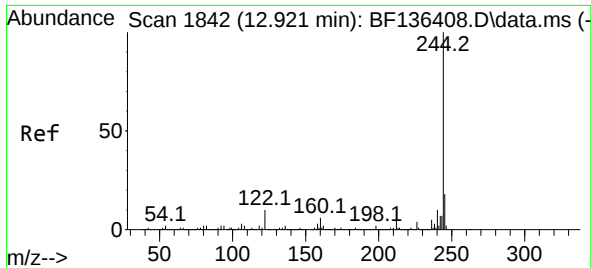
Tgt Ion:240 Resp: 192519
Ion Ratio Lower Upper
240 100
120 9.0 7.3 10.9
236 25.5 21.3 31.9



#78
Pyrene
Concen: 4.086 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion:202 Resp: 77031
Ion Ratio Lower Upper
202 100
200 20.4 18.0 27.0
203 18.7 13.5 20.3

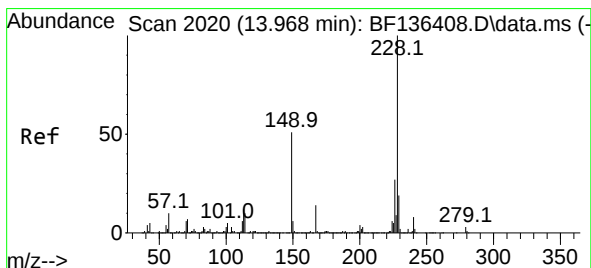
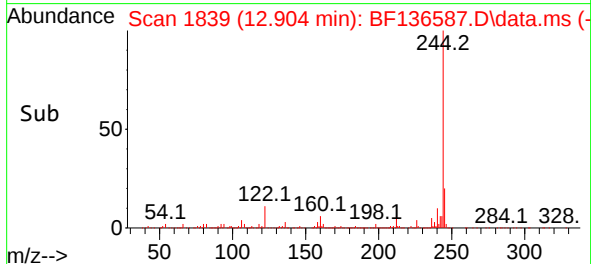
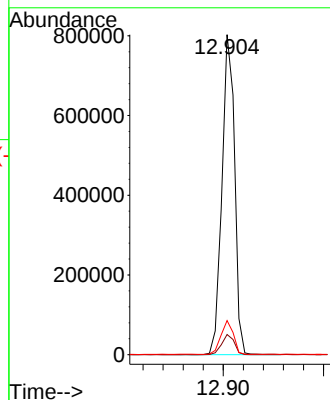
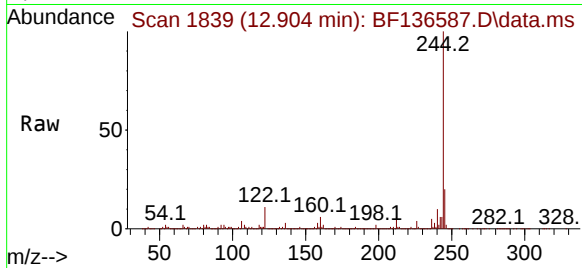




#79
 Terphenyl-d14
 Concen: 47.918 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF136587.D
 Acq: 15 Dec 2023 12:09

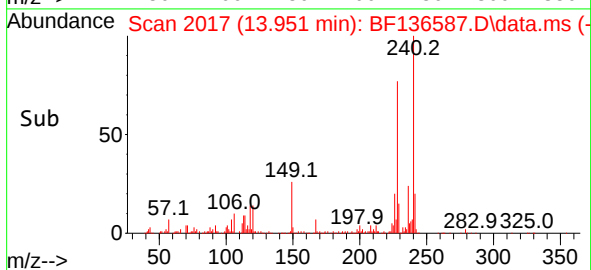
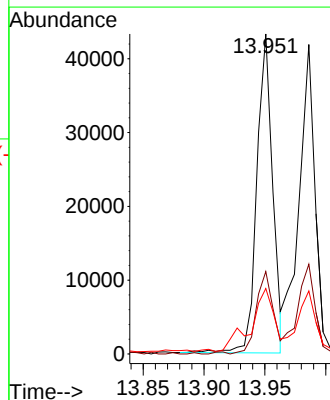
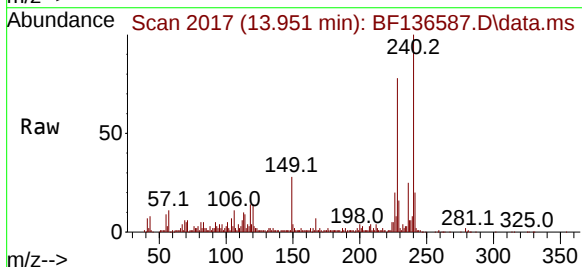
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20231206

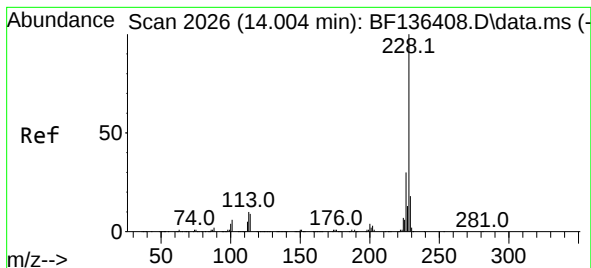
Tgt Ion:244 Resp: 699916
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.7 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.911 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF136587.D
 Acq: 15 Dec 2023 12:09

Tgt Ion:228 Resp: 39035
 Ion Ratio Lower Upper
 228 100
 226 25.7 21.8 32.8
 229 20.5 15.0 22.4





#83

Chrysene

Concen: 2.731 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206

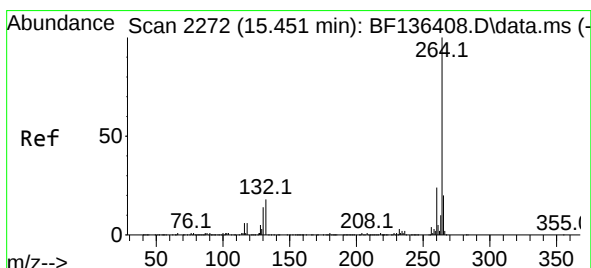
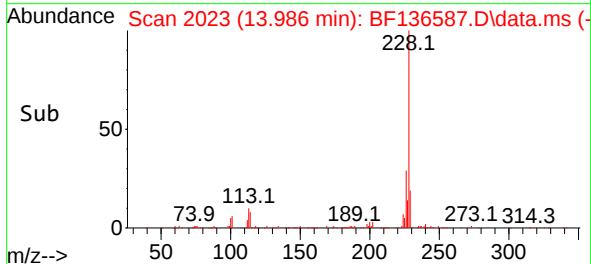
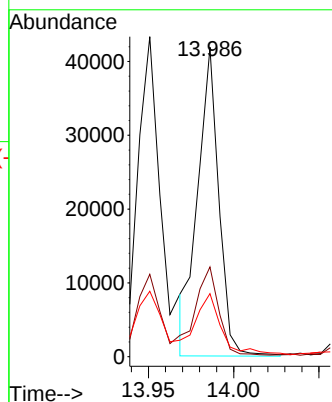
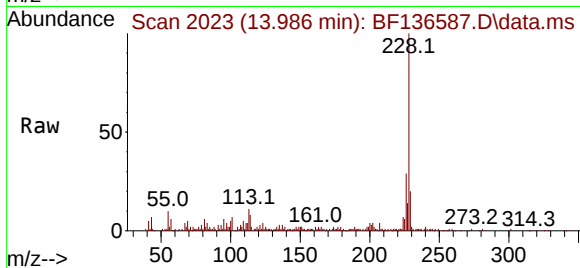
Tgt Ion:228 Resp: 36031

Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.6

229 20.4 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF136587.D

Acq: 15 Dec 2023 12:09

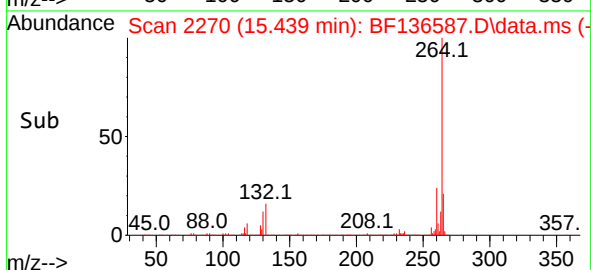
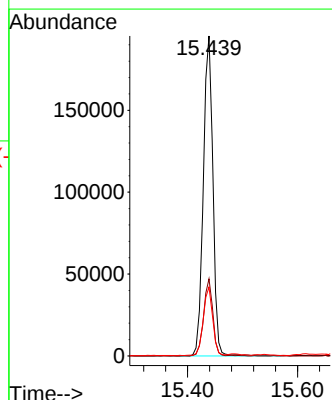
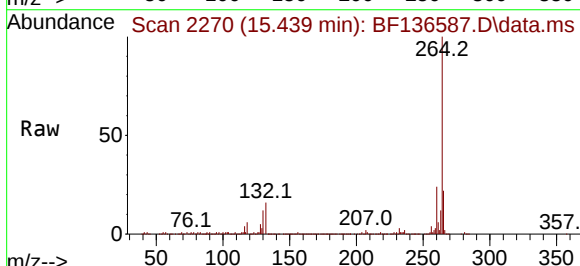
Tgt Ion:264 Resp: 237633

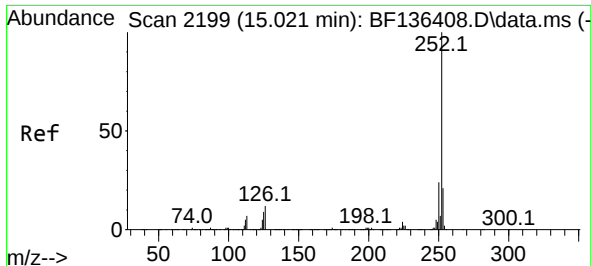
Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.5 15.9 23.9

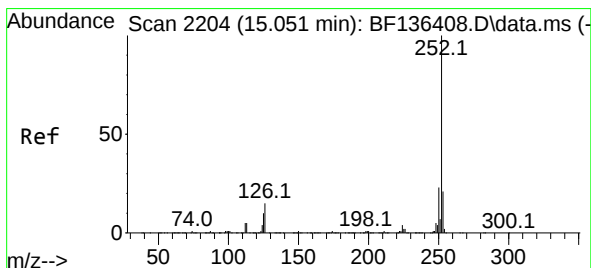
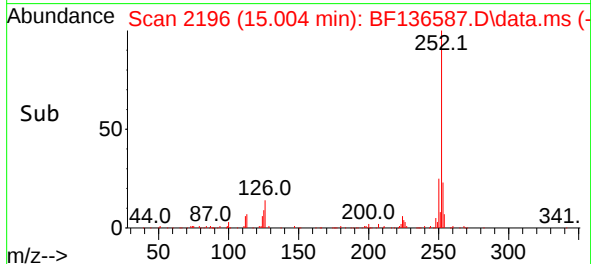
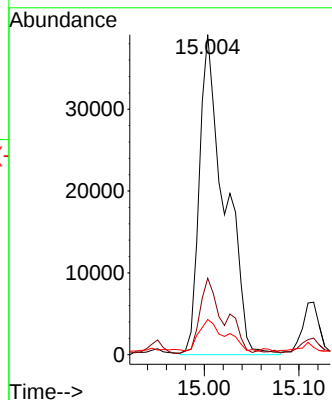
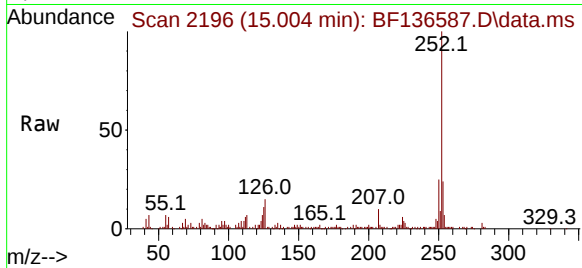




#88
Benzo(b)fluoranthene
Concen: 4.481 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

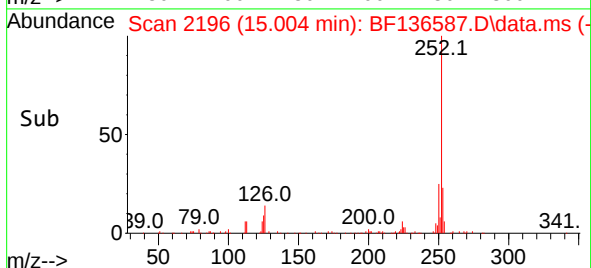
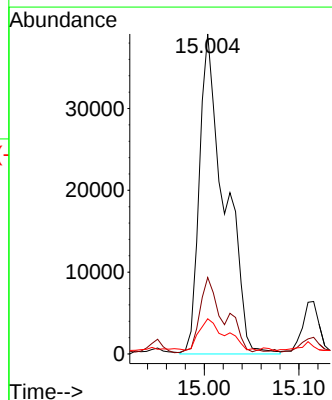
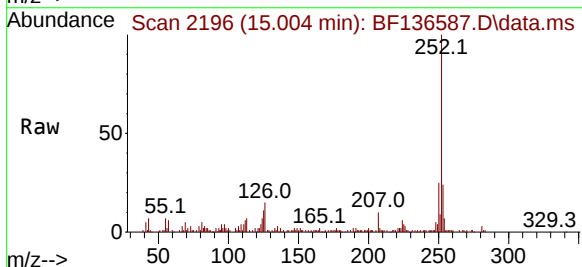
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20231206

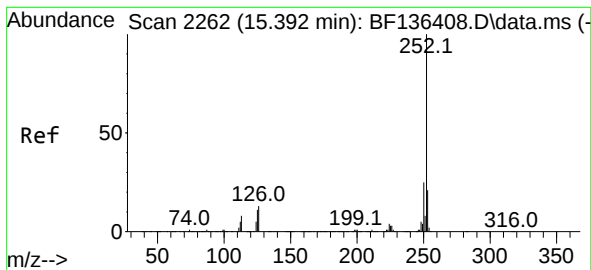
Tgt Ion:252 Resp: 72809
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 11.0 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 4.755 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF136587.D
Acq: 15 Dec 2023 12:09

Tgt Ion:252 Resp: 72809
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 11.0 7.5 11.3





#90

Benzo(a)pyrene

Concen: 2.909 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136587.D

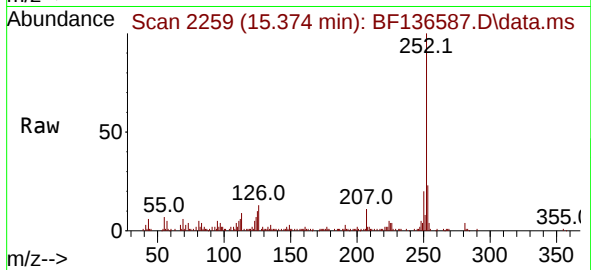
Acq: 15 Dec 2023 12:09

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20231206



Tgt Ion:252 Resp: 39036

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 10.2 8.6 13.0

