

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138787.D
 Acq On : 05 Aug 2024 15:55
 Operator : RC/JU
 Sample : P3352-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Aug 05 16:25:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

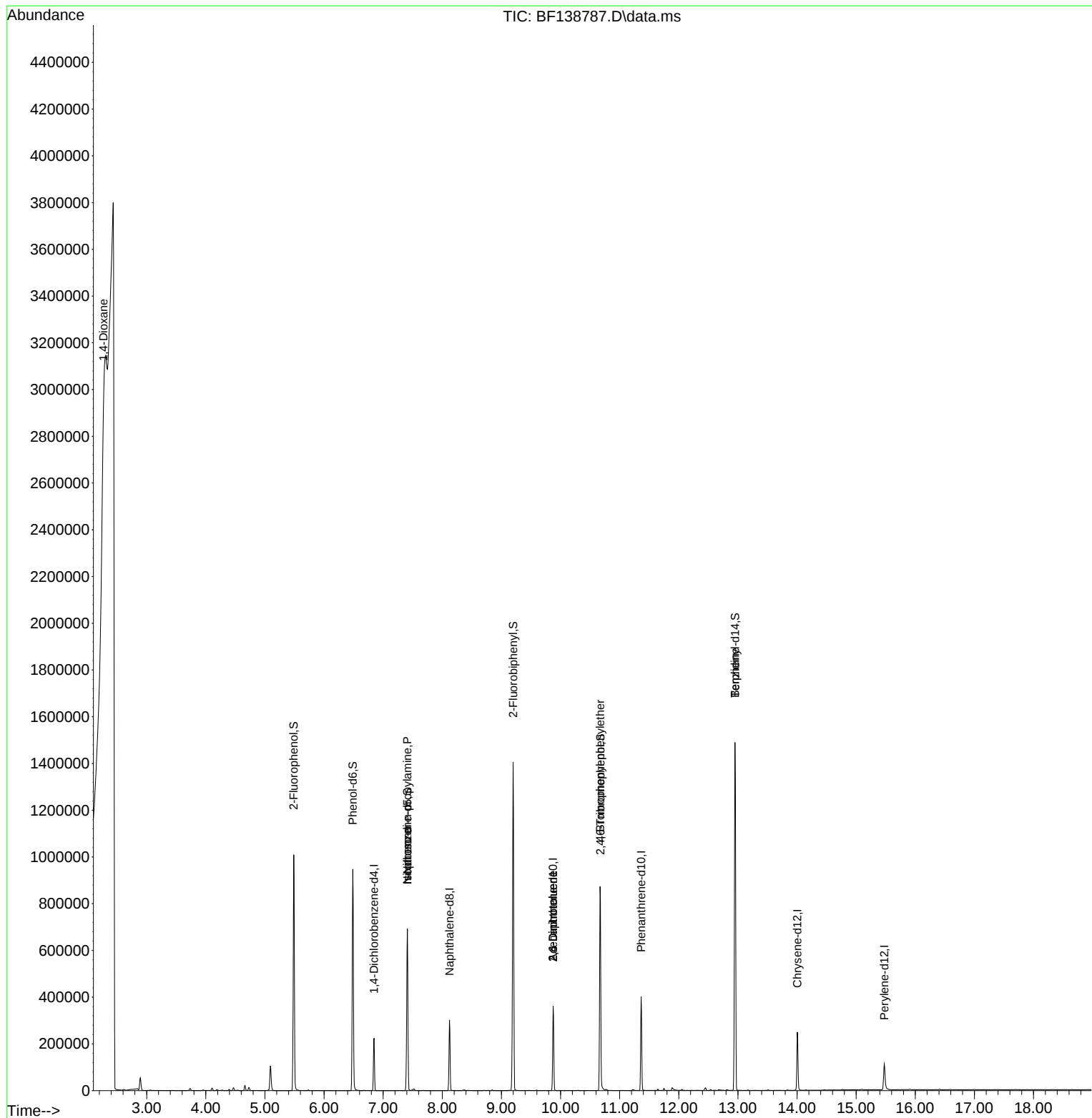
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	44694	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	187385	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	108639	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	202790	20.000	ng	0.00
76) Chrysene-d12	14.004	240	121549	20.000	ng	0.00
86) Perylene-d12	15.474	264	80274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	350162	120.940	ng	0.02
7) Phenol-d6	6.487	99	436780	112.361	ng	0.00
23) Nitrobenzene-d5	7.410	82	319778	83.434	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	139819	157.118	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	633552	87.621	ng	0.00
79) Terphenyl-d14	12.951	244	742919	102.333	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.269	88	11018	8.692	ng	# 49
19) n-Nitroso-di-n-propyla...	7.410	70	43913	18.703	ng	# 75
25) Isophorone	7.410	82	317063	48.447	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	14170	9.039	ng	# 20
57) 2,4-Dinitrotoluene	9.875	165	14170	7.085	ng	# 17
67) 4-Bromophenyl-phenylether	10.669	248	10258	4.672	ng	# 1
77) Benzidine	12.951	184	9889	3.402	ng	# 93

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

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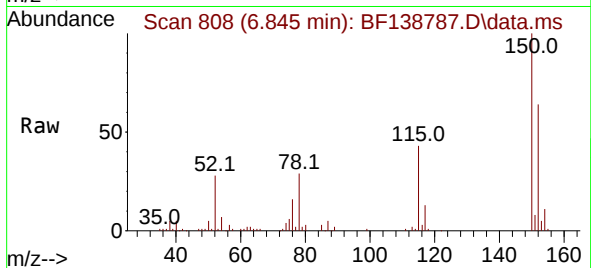
Quant Time: Aug 05 16:25:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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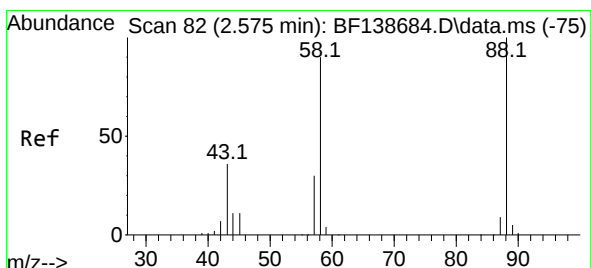
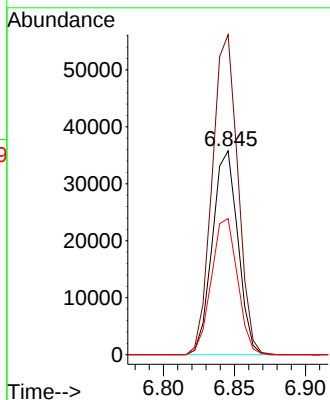
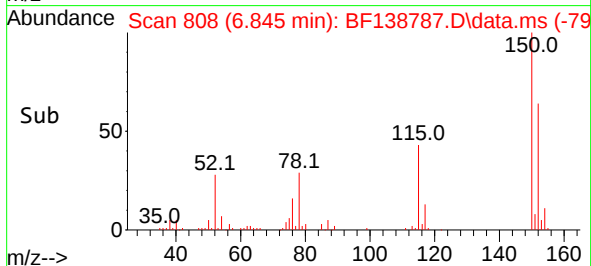


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

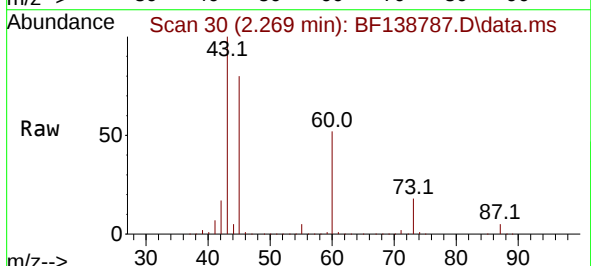
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



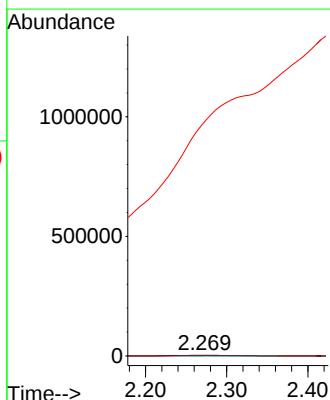
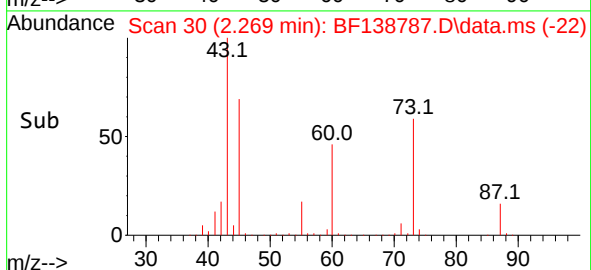
Tgt Ion:152 Resp: 44694
Ion Ratio Lower Upper
152 100
150 157.0 126.0 189.0
115 66.8 51.7 77.5

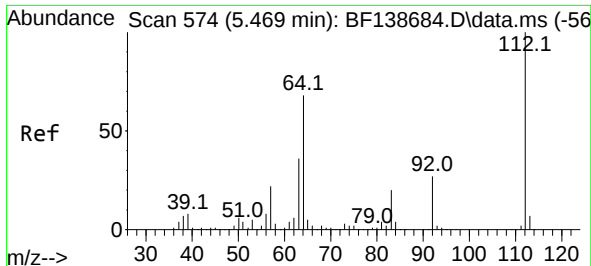


#2
1,4-Dioxane
Concen: 8.692 ng
RT: 2.269 min Scan# 30
Delta R.T. -0.306 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55



Tgt Ion: 88 Resp: 11018
Ion Ratio Lower Upper
88 100
58 45.0 71.6 107.4#
43 0.0 28.7 43.1#

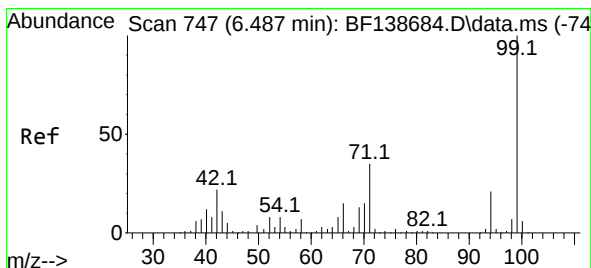
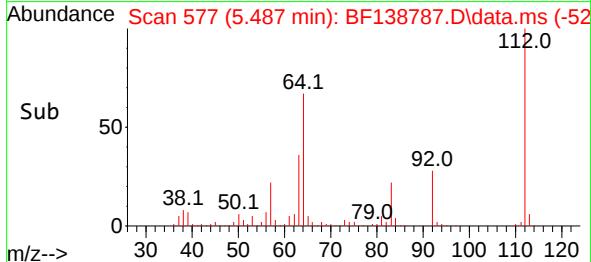
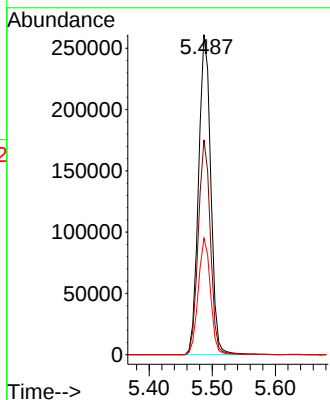
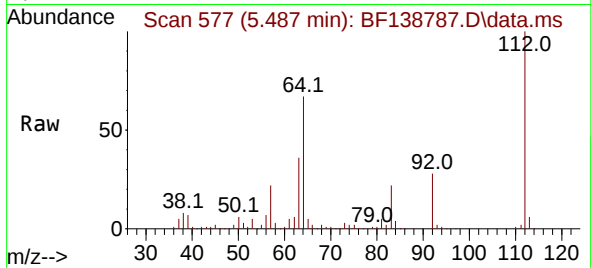




#5
2-Fluorophenol
Concen: 120.940 ng
RT: 5.487 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

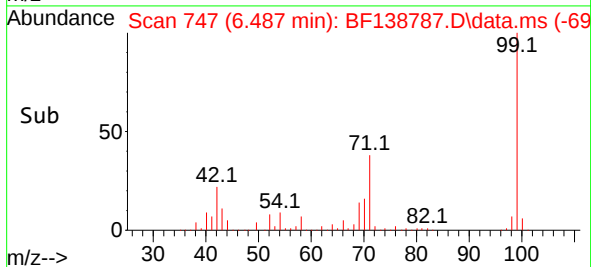
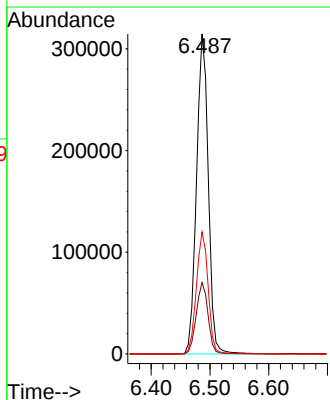
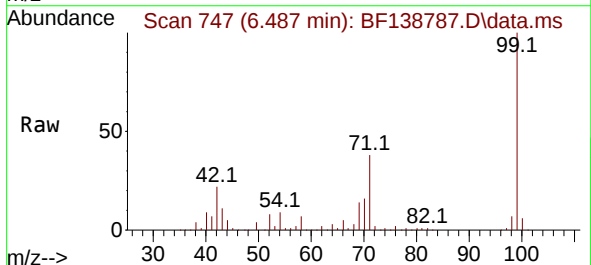
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

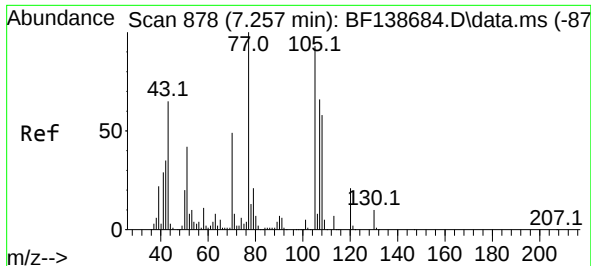
Tgt Ion:112 Resp: 350162
Ion Ratio Lower Upper
112 100
64 67.2 54.2 81.4
63 36.4 28.7 43.1



#7
Phenol-d6
Concen: 112.361 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

Tgt Ion: 99 Resp: 436780
Ion Ratio Lower Upper
99 100
42 22.3 17.4 26.0
71 38.2 28.1 42.1





#19

n-Nitroso-di-n-propylamine

Concen: 18.703 ng

RT: 7.410 min Scan# 90

Delta R.T. 0.153 min

Lab File: BF138787.D

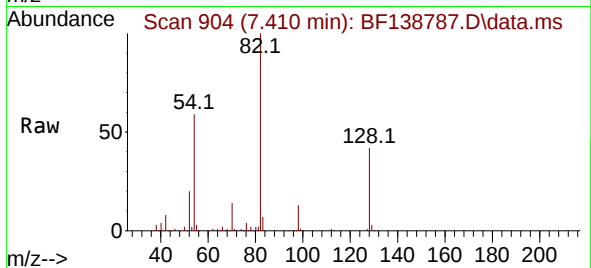
Acq: 05 Aug 2024 15:55

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP



Tgt Ion: 70 Resp: 43913

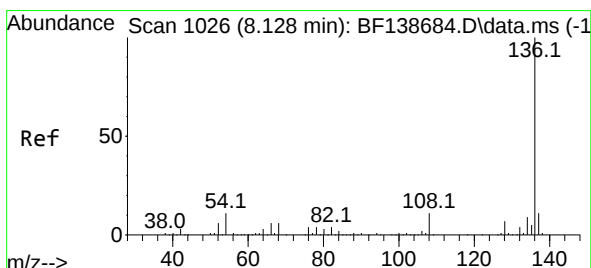
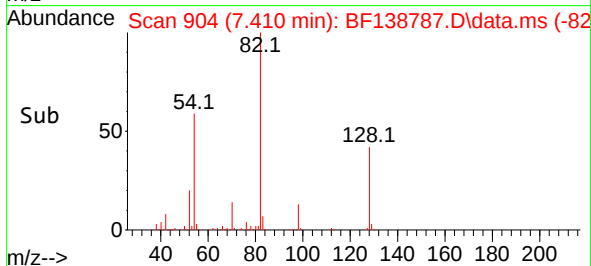
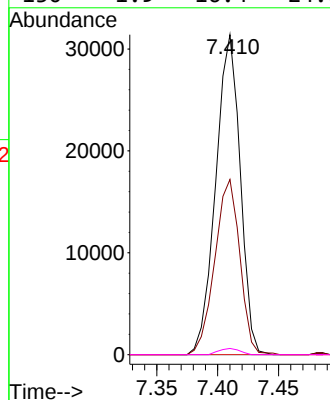
Ion Ratio Lower Upper

70 100

42 54.7 57.4 86.0#

101 0.0 7.5 11.3#

130 1.9 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF138787.D

Acq: 05 Aug 2024 15:55

Tgt Ion: 136 Resp: 187385

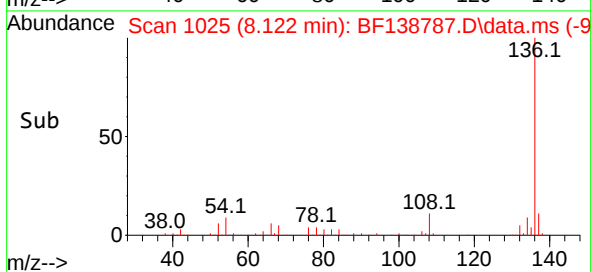
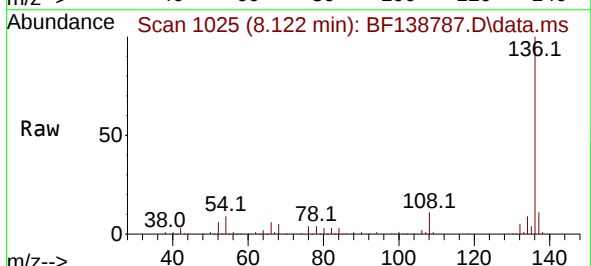
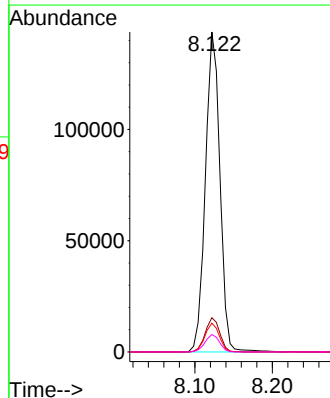
Ion Ratio Lower Upper

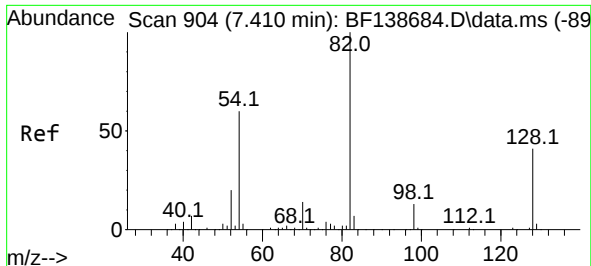
136 100

137 10.7 8.9 13.3

54 9.0 8.6 12.8

68 5.4 4.8 7.2





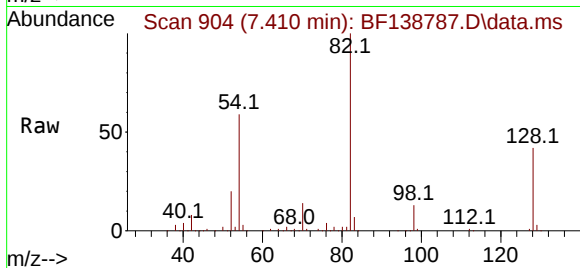
#23
Nitrobenzene-d5
Concen: 83.434 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

Instrument :

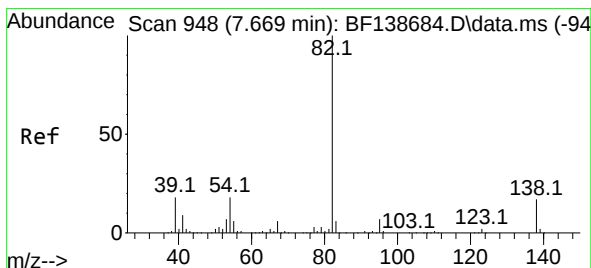
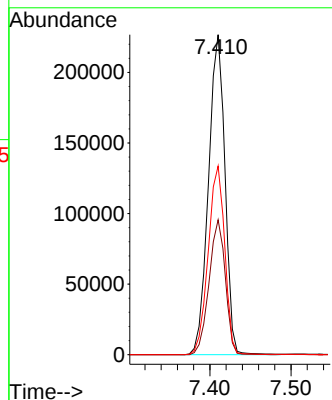
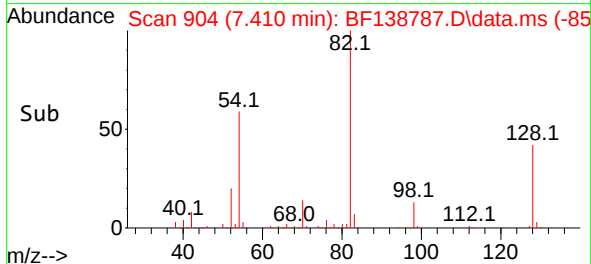
BNA_F

ClientSampleId :

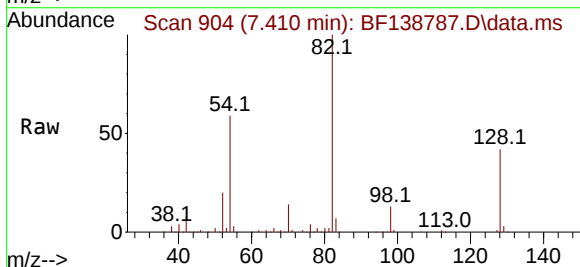
SOIL-COMP



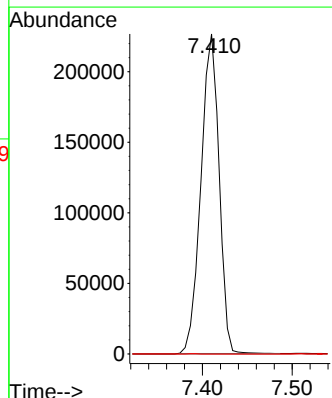
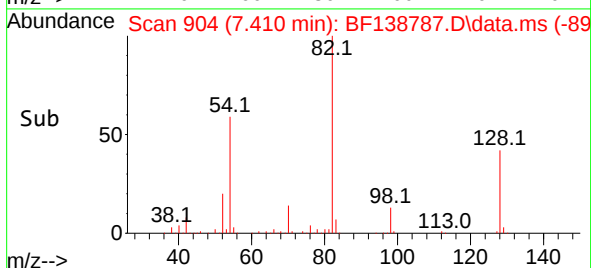
Tgt Ion: 82 Resp: 319778
Ion Ratio Lower Upper
82 100
128 42.1 32.8 49.2
54 58.9 48.3 72.5

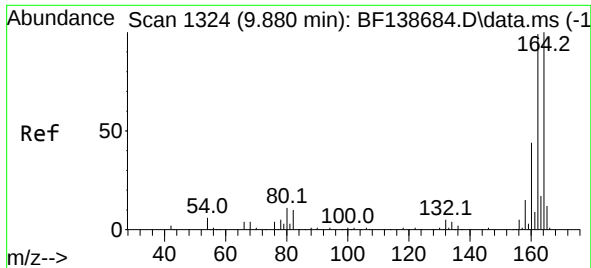


#25
Isophorone
Concen: 48.447 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.259 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55



Tgt Ion: 82 Resp: 317063
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#

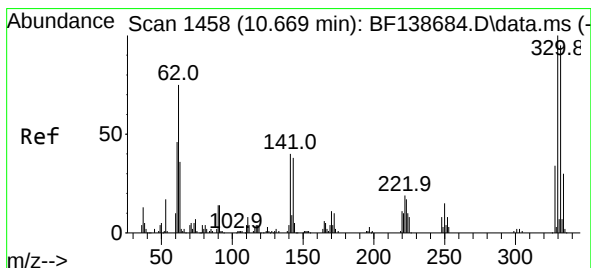
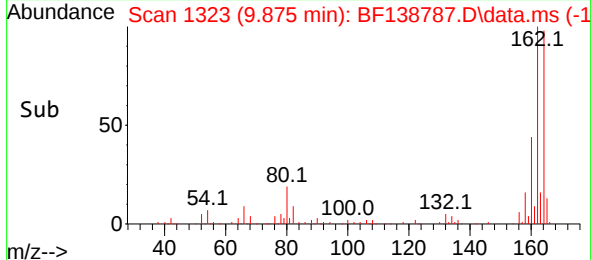
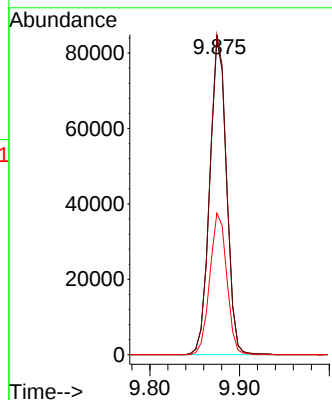
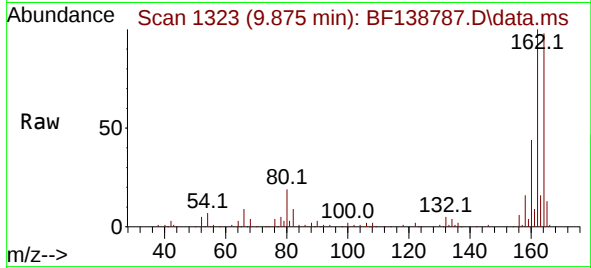




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

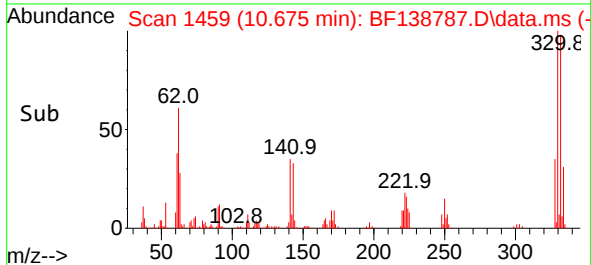
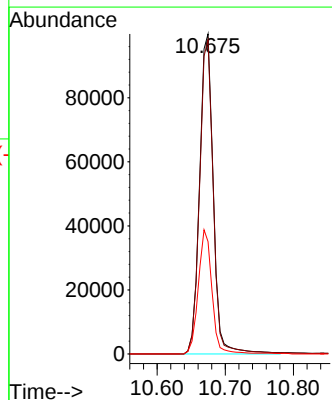
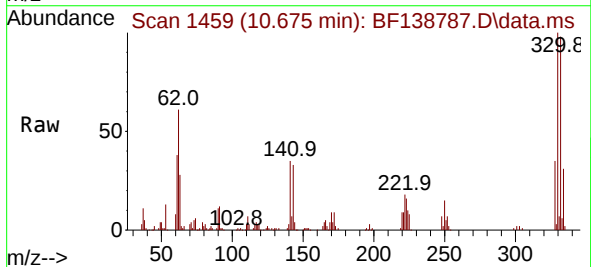
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

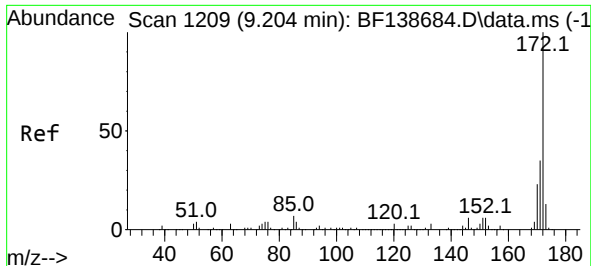
Tgt Ion:164 Resp: 108639
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.0
160 44.9 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 157.118 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

Tgt Ion:330 Resp: 139819
Ion Ratio Lower Upper
330 100
332 98.1 76.4 114.6
141 38.8 31.1 46.7

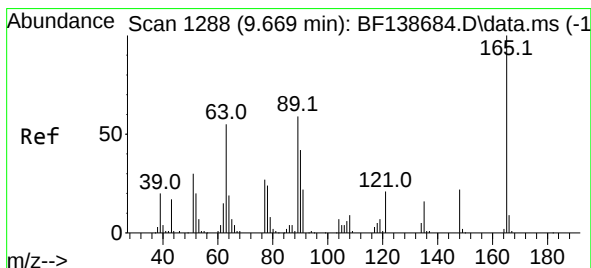
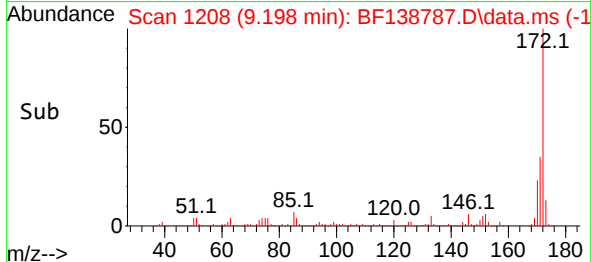
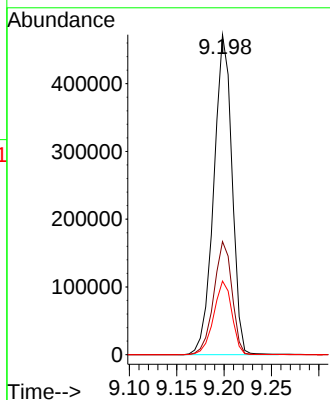
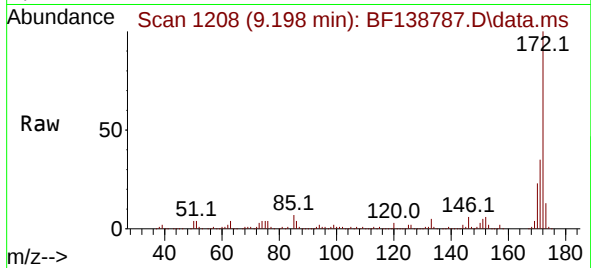




#45
2-Fluorobiphenyl
Concen: 87.621 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

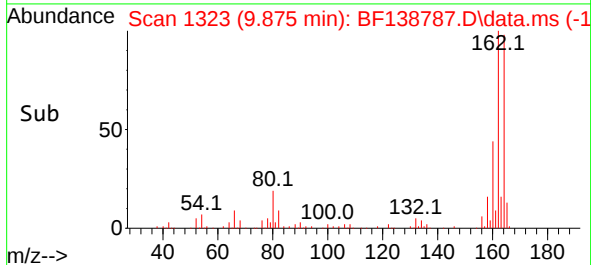
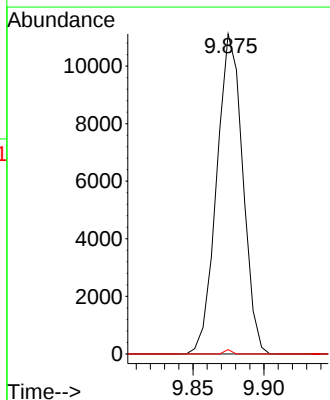
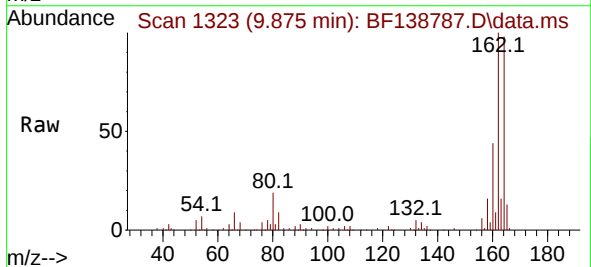
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

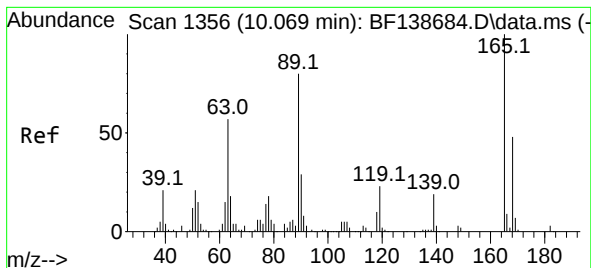
Tgt Ion:172 Resp: 633552
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.0 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.039 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.206 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

Tgt Ion:165 Resp: 14170
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 1.3 47.0 70.6#

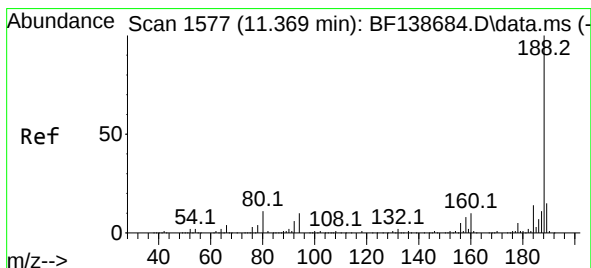
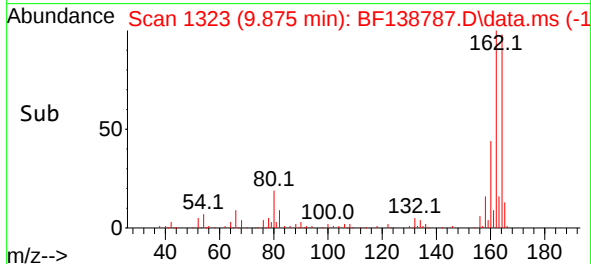
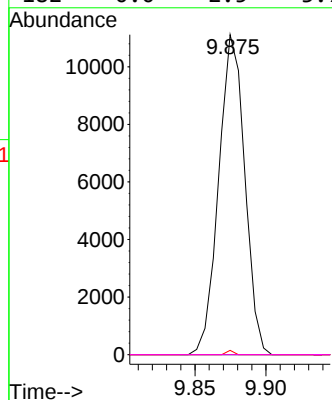
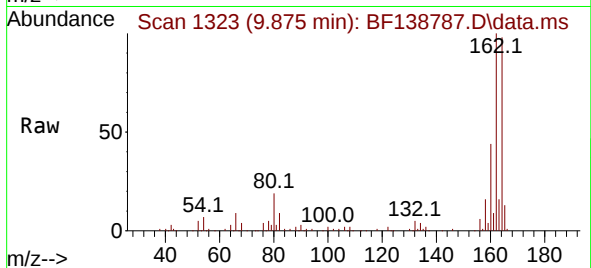




#57
2,4-Dinitrotoluene
Concen: 7.085 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

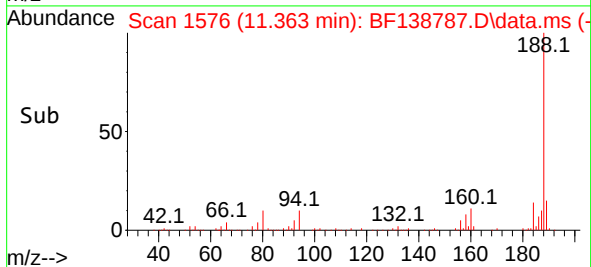
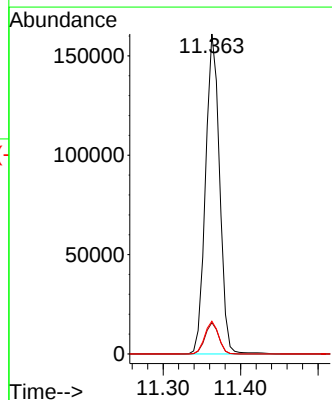
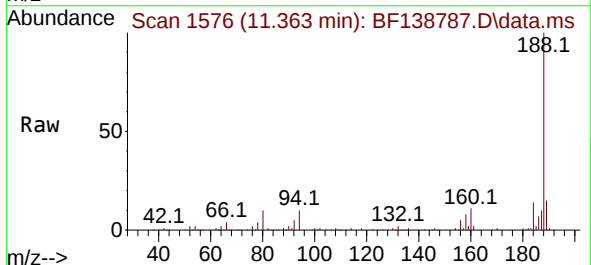
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

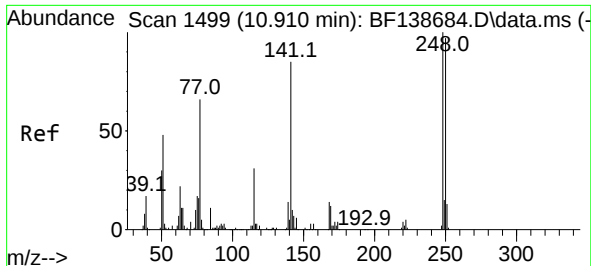
Tgt Ion:165 Resp: 14170
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 1.3 64.2 96.4#
182 0.0 2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

Tgt Ion:188 Resp: 202790
Ion Ratio Lower Upper
188 100
94 9.8 7.6 11.4
80 10.2 8.6 12.8

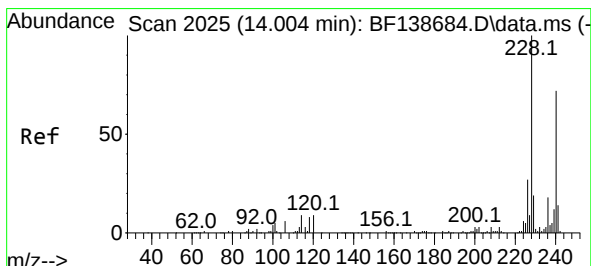
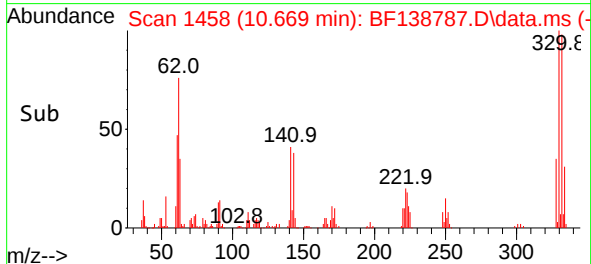
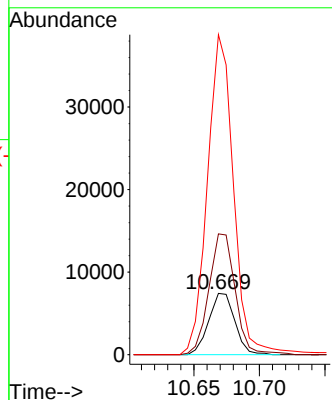
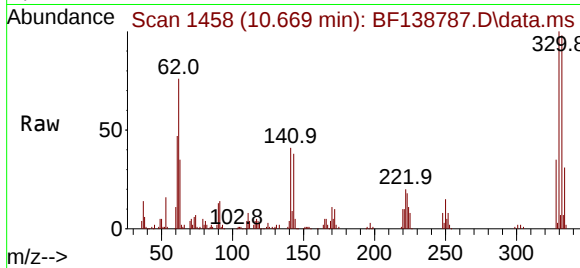




#67
4-Bromophenyl-phenylether
Concen: 4.672 ng
RT: 10.669 min Scan# 1499
Delta R.T. -0.241 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

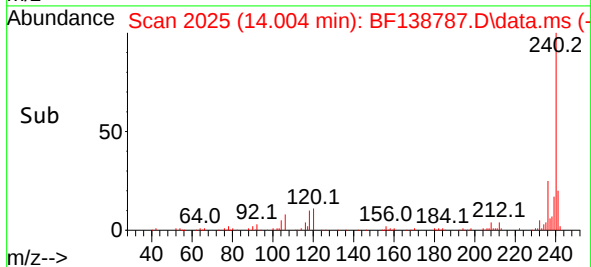
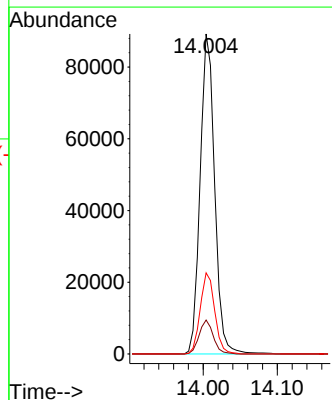
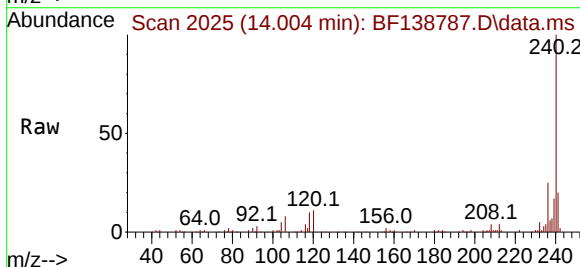
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

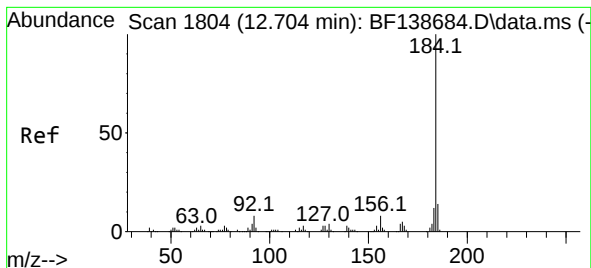
Tgt Ion:248 Resp: 10258
Ion Ratio Lower Upper
248 100
250 197.4 77.7 116.5#
141 522.8 68.0 102.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

Tgt Ion:240 Resp: 121549
Ion Ratio Lower Upper
240 100
120 10.6 10.2 15.4
236 25.4 19.8 29.8





#77

Benzidine

Concen: 3.402 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF138787.D

Acq: 05 Aug 2024 15:55

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

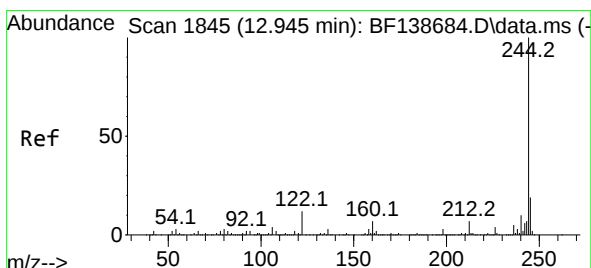
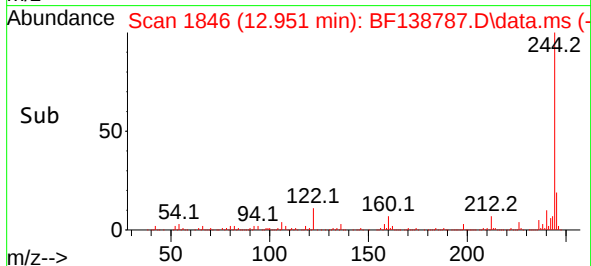
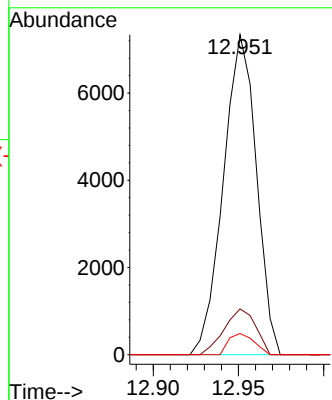
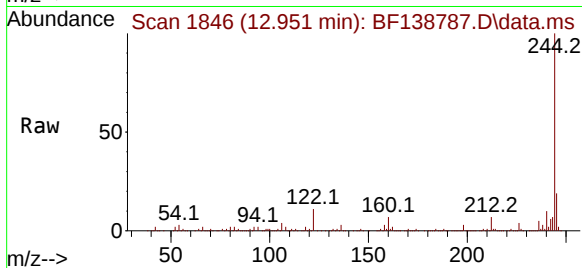
Tgt Ion:184 Resp: 9889

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

183 6.6 9.6 14.4#



#79

Terphenyl-d14

Concen: 102.333 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138787.D

Acq: 05 Aug 2024 15:55

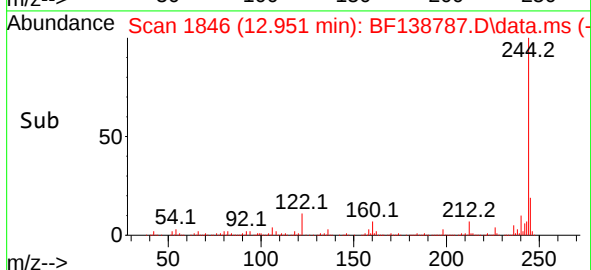
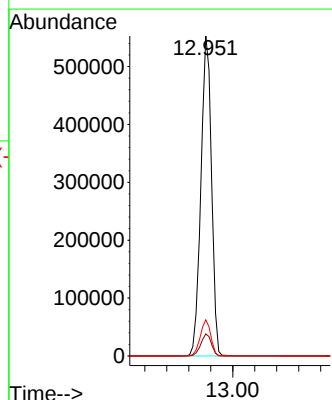
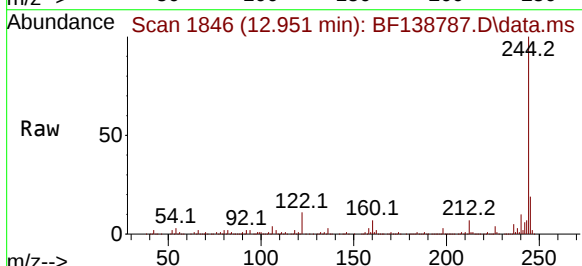
Tgt Ion:244 Resp: 742919

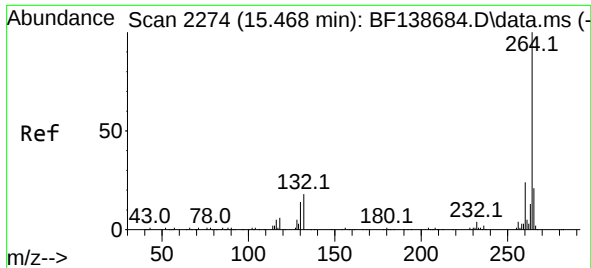
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 11.3 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138787.D
Acq: 05 Aug 2024 15:55

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:264	Resp:	80274
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.0 28.6
265	22.3	17.0 25.6

