

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138887.D
 Acq On : 09 Aug 2024 14:10
 Operator : RC/JU
 Sample : P3464-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL

Quant Time: Aug 09 14:34:17 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	6.839	152	36821	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	152030	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	87043	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	159848	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	92769	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	83463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	132891	55.712	ng	0.00
7) Phenol-d6	6.481	99	106304	33.194	ng	0.00
23) Nitrobenzene-d5	7.404	82	277097	89.112	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	77857	109.197	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	518615	89.521	ng	-0.01
79) Terphenyl-d14	12.945	244	590075	106.495	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	37254	19.260	ng	# 80
25) Isophorone	7.404	82	275203	51.830	ng	# 66
51) 2,6-Dinitrotoluene	9.874	165	11256	8.961	ng	# 19
57) 2,4-Dinitrotoluene	9.874	165	11256	7.024	ng	# 16
67) 4-Bromophenyl-phenylether	10.663	248	5600	3.236	ng	# 1
77) Benzidine	12.945	184	8916	4.018	ng	# 92

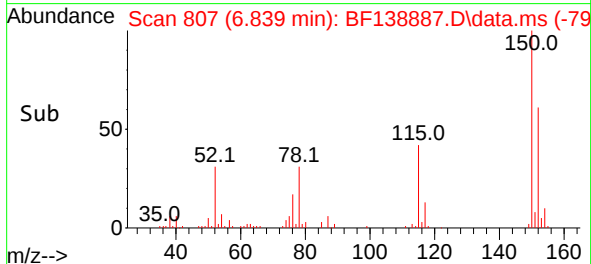
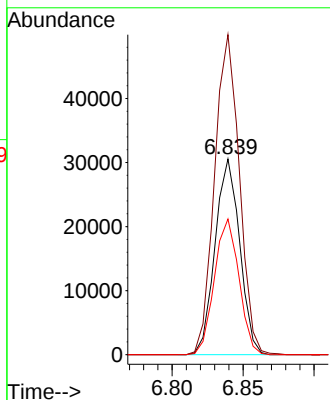
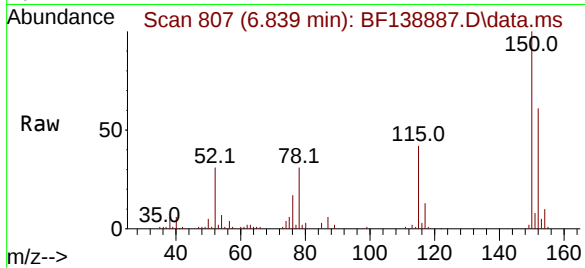
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

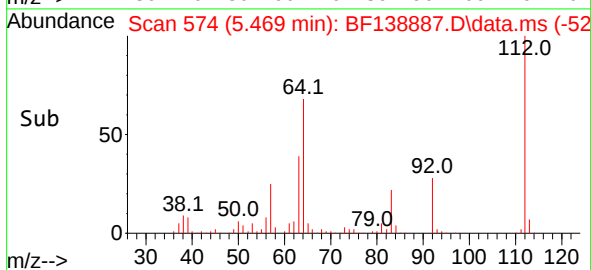
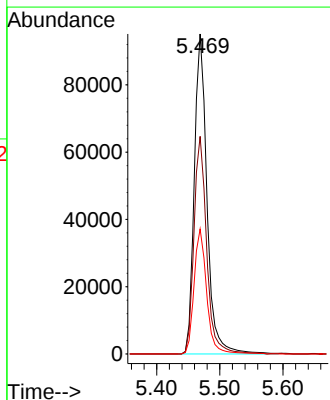
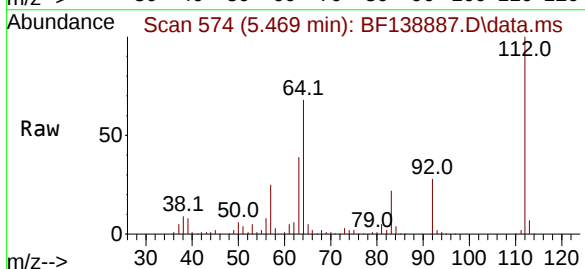
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion:152 Resp: 36821
Ion Ratio Lower Upper
152 100
150 163.5 126.0 189.0
115 69.3 51.7 77.5



#5
2-Fluorophenol
Concen: 55.712 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

Tgt Ion:112 Resp: 132891
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 39.0 28.7 43.1

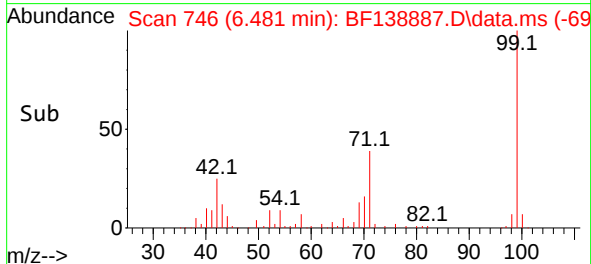
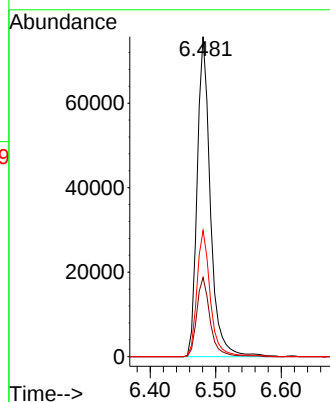
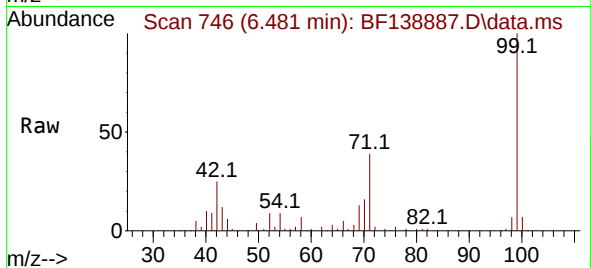




#7
Phenol-d6
Concen: 33.194 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

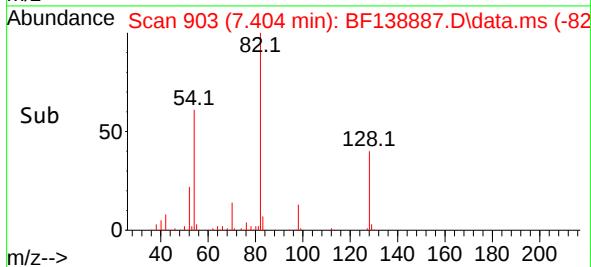
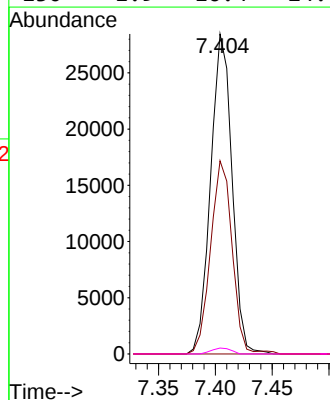
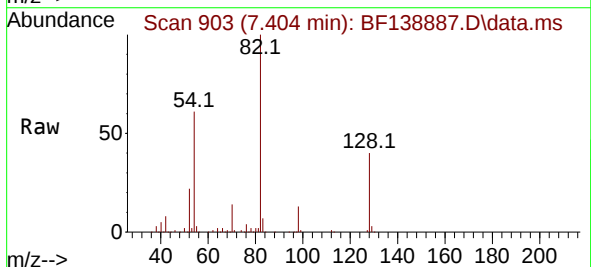
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion: 99 Resp: 106304
Ion Ratio Lower Upper
99 100
42 24.7 17.4 26.0
71 39.5 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 19.260 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

Tgt Ion: 70 Resp: 37254
Ion Ratio Lower Upper
70 100
42 60.3 57.4 86.0
101 0.0 7.5 11.3#
130 1.9 16.4 24.6#

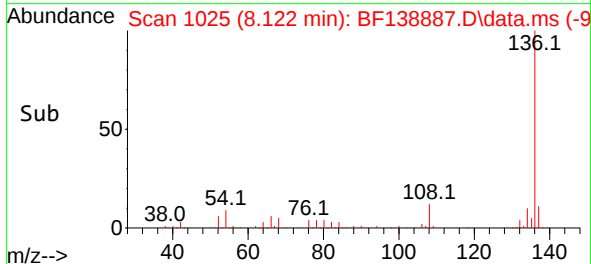
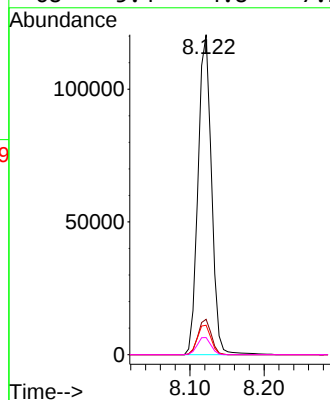
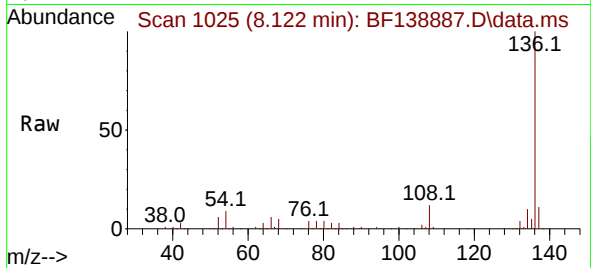




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

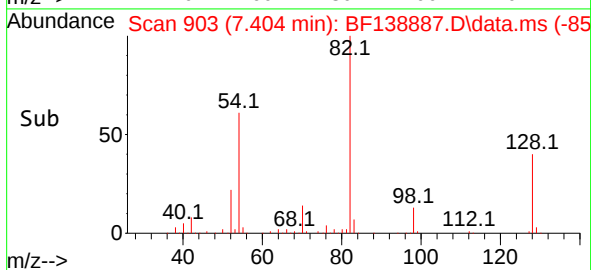
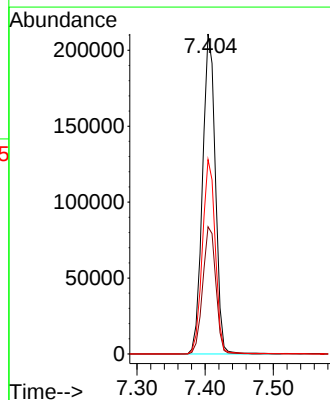
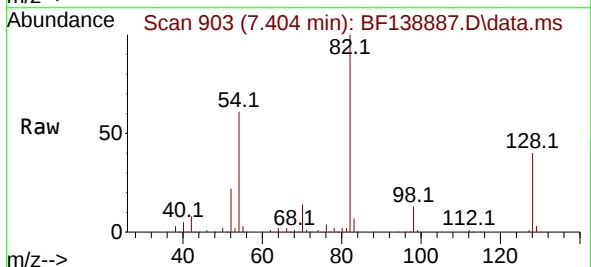
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion:	136	Resp:	152030
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.2	8.6	12.8
68	5.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 89.112 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

Tgt Ion:	82	Resp:	277097
Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.8	49.2
54	60.8	48.3	72.5

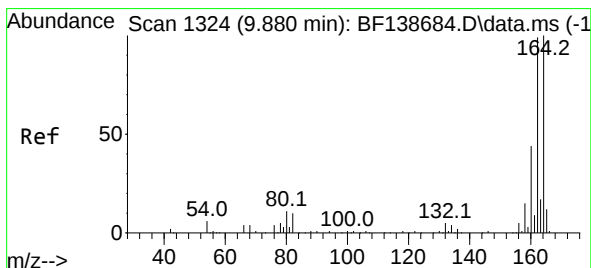
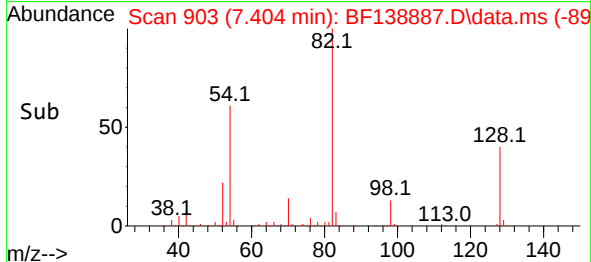
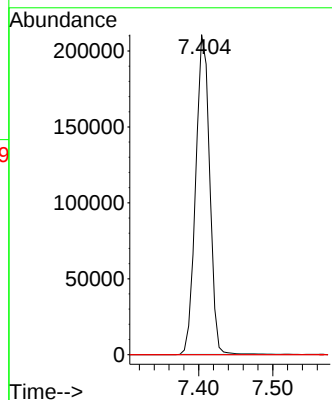
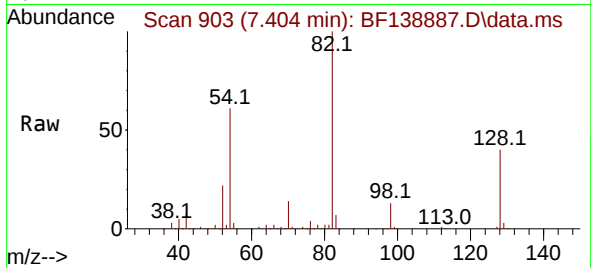




#25
Isophorone
Concen: 51.830 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

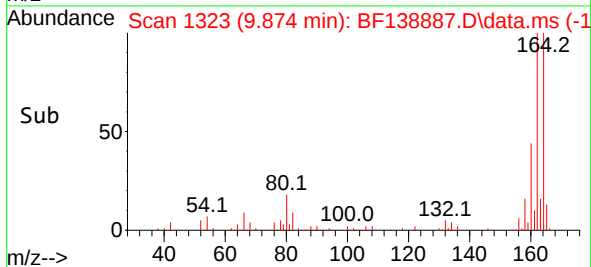
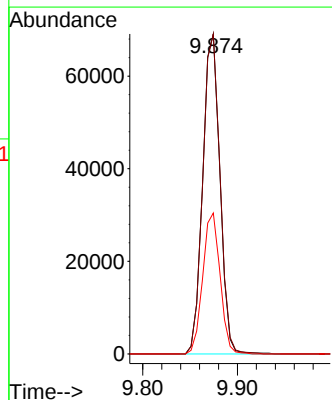
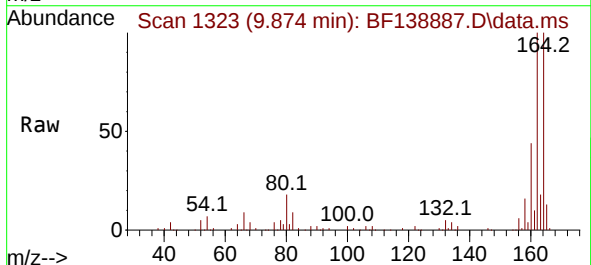
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion: 82 Resp: 275203
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: 9.874 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

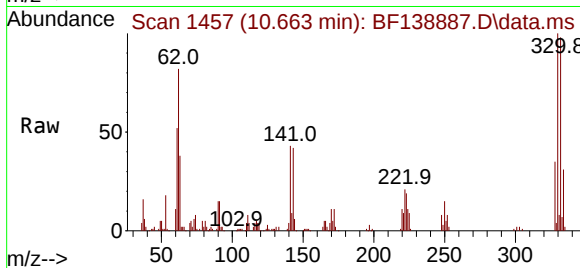
Tgt Ion:164 Resp: 87043
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.1 35.1 52.7



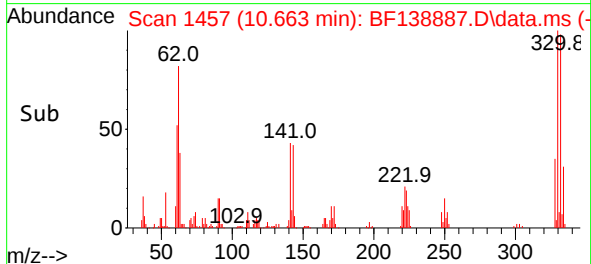
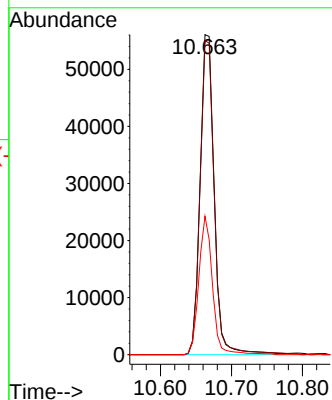


#42
2,4,6-Tribromophenol
Concen: 109.197 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

Instrument :
BNA_F
ClientSampleId :
TOPSOIL

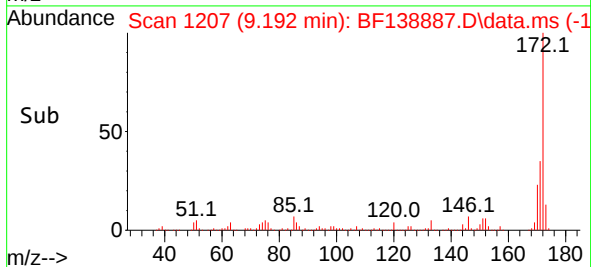
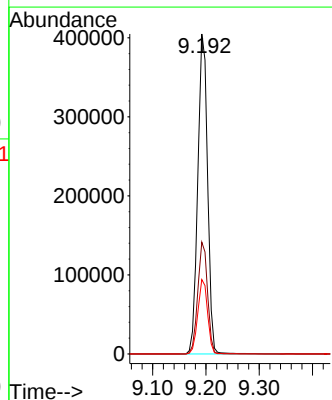
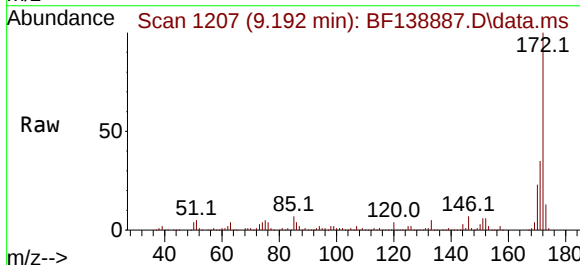


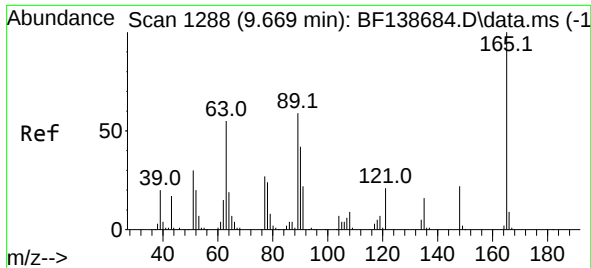
Tgt Ion:330 Resp: 77857
Ion Ratio Lower Upper
330 100
332 98.3 76.4 114.6
141 41.8 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 89.521 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

Tgt Ion:172 Resp: 518615
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.2 18.8 28.2

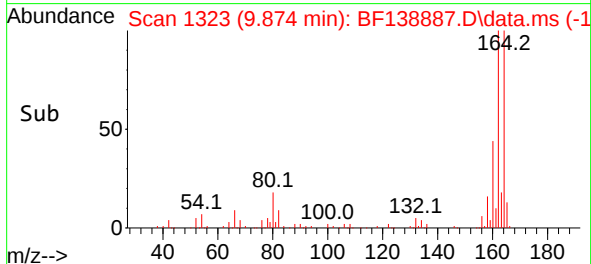
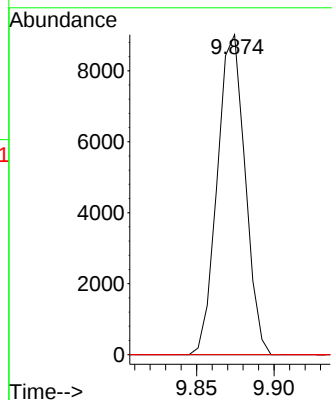
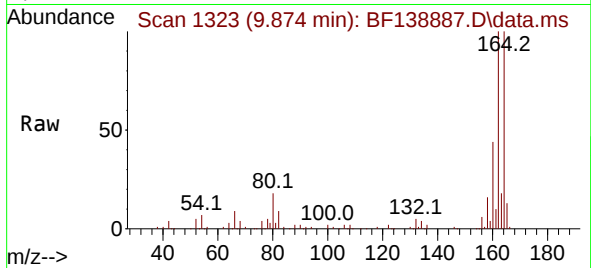




#51
2,6-Dinitrotoluene
Concen: 8.961 ng
RT: 9.874 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

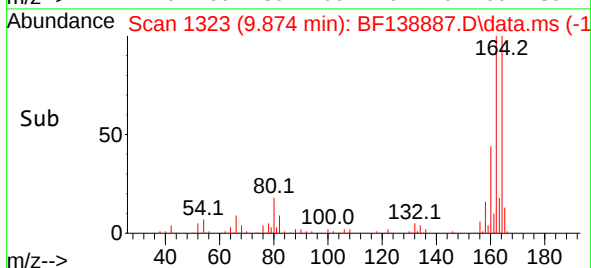
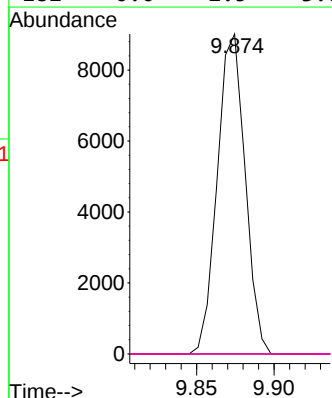
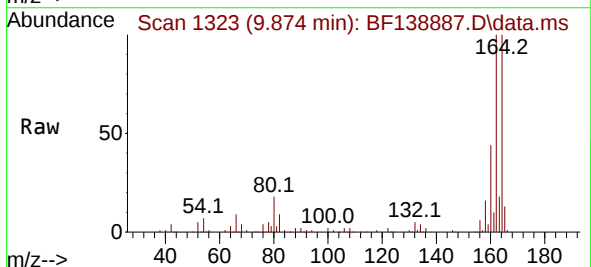
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tgt Ion:165 Resp: 11256
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.024 ng
RT: 9.874 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF138887.D
Acq: 09 Aug 2024 14:10

Tgt Ion:165 Resp: 11256
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138887.D

Acq: 09 Aug 2024 14:10

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

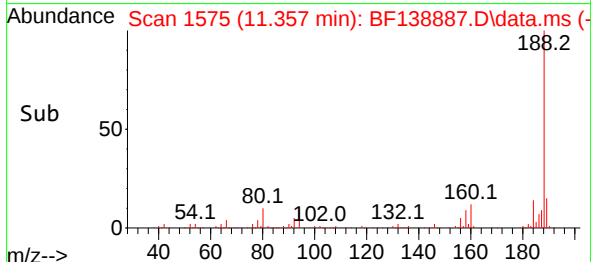
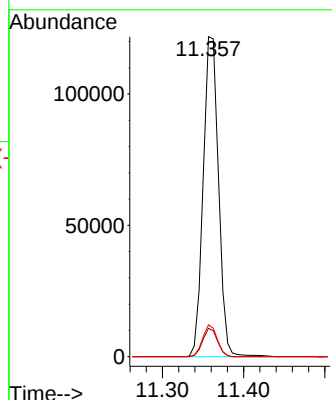
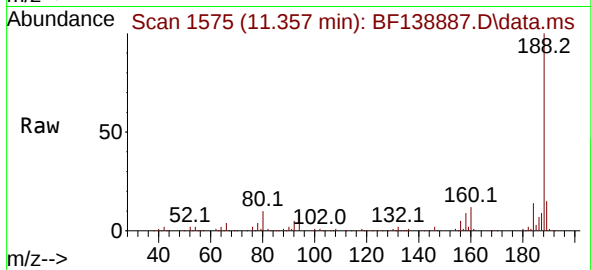
Tgt Ion:188 Resp: 159848

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 10.0 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.236 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF138887.D

Acq: 09 Aug 2024 14:10

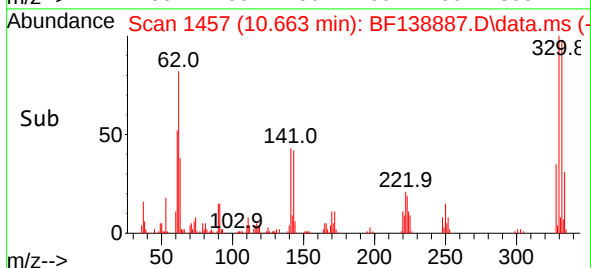
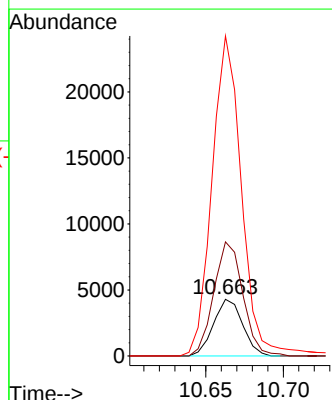
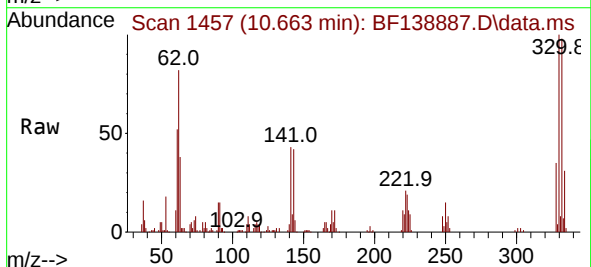
Tgt Ion:248 Resp: 5600

Ion Ratio Lower Upper

248 100

250 201.4 77.7 116.5#

141 564.5 68.0 102.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138887.D

Acq: 09 Aug 2024 14:10

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

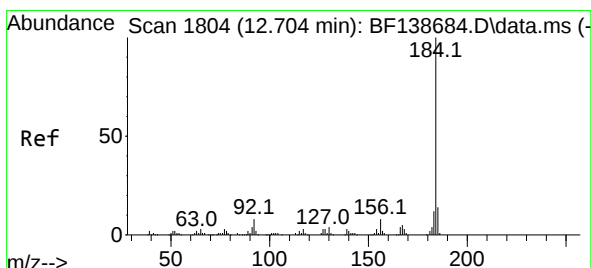
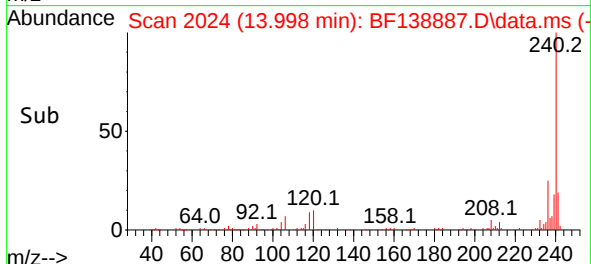
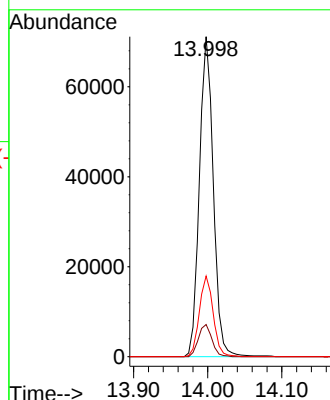
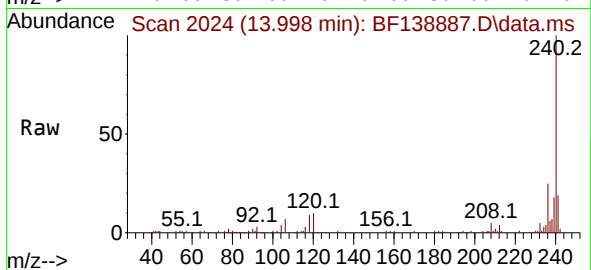
Tgt Ion:240 Resp: 92769

Ion Ratio Lower Upper

240 100

120 10.1 10.2 15.4#

236 25.2 19.8 29.8



#77

Benzidine

Concen: 4.018 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.241 min

Lab File: BF138887.D

Acq: 09 Aug 2024 14:10

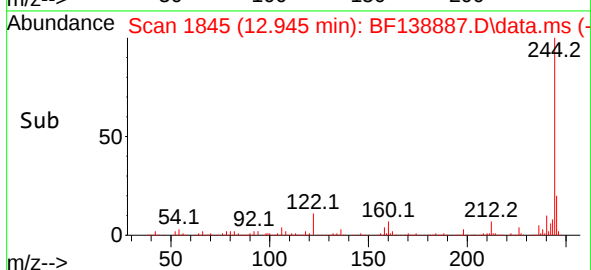
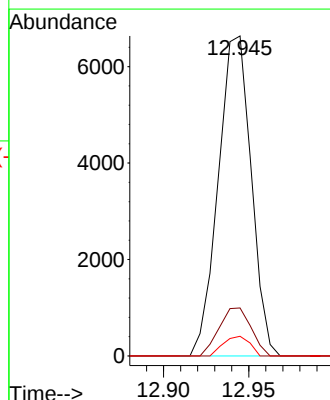
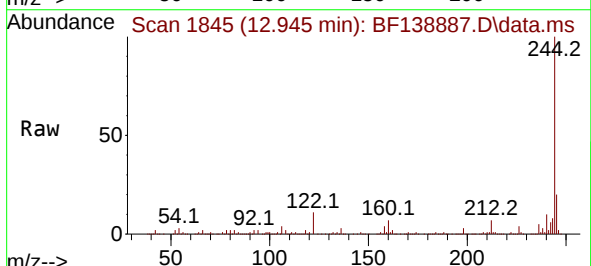
Tgt Ion:184 Resp: 8916

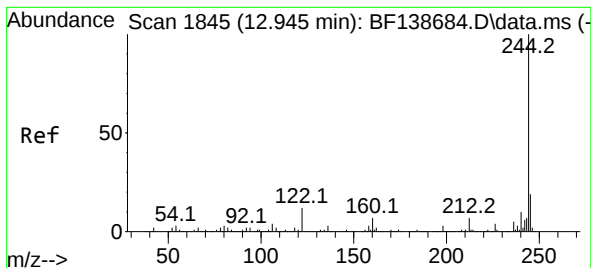
Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

183 6.1 9.6 14.4#





#79

Terphenyl-d14

Concen: 106.495 ng

RT: 12.945 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138887.D

Acq: 09 Aug 2024 14:10

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

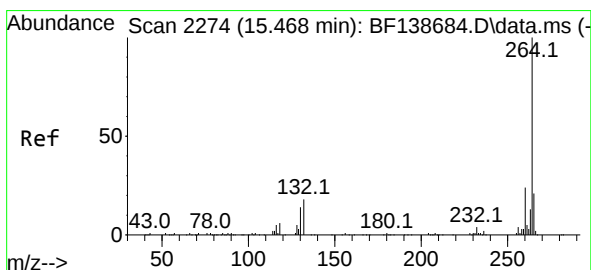
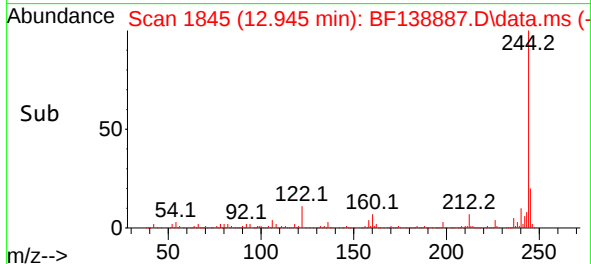
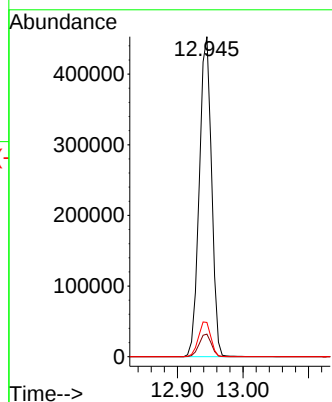
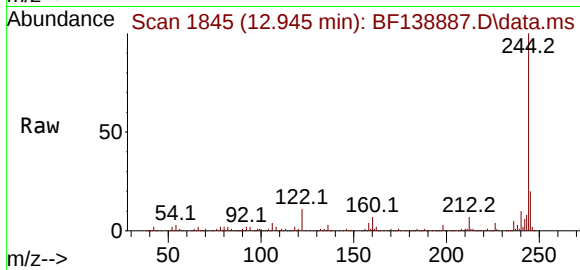
Tgt Ion:244 Resp: 590075

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.7 9.6 14.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138887.D

Acq: 09 Aug 2024 14:10

Tgt Ion:264 Resp: 83463

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 21.1 17.0 25.6

