

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138873.D
 Acq On : 08 Aug 2024 19:02
 Operator : RC/JU
 Sample : P3464-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL

Quant Time: Aug 09 01:01:59 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)

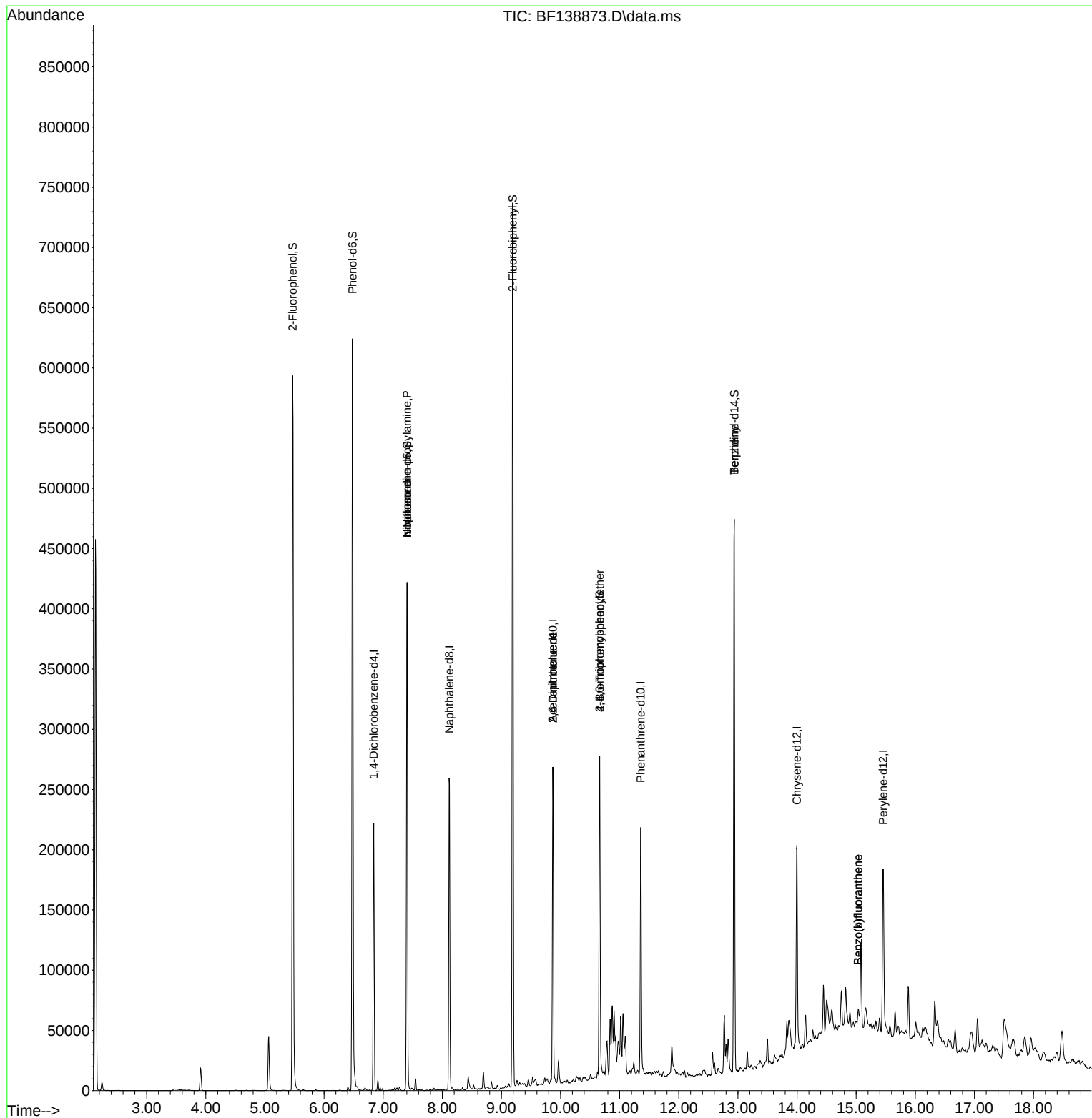
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	41231	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	155890	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	74960	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	99537	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	73042	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	60016	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	199771	74.792	ng	0.00
7) Phenol-d6	6.481	99	261003	72.782	ng	0.00
23) Nitrobenzene-d5	7.404	82	172445	54.083	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	39843	64.888	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	298119	59.755	ng	-0.01
79) Terphenyl-d14	12.939	244	212916	48.805	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	23236	10.728	ng	# 79
25) Isophorone	7.404	82	172444	31.673	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	10009	9.253	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	10009	7.252	ng	# 16
67) 4-Bromophenyl-phenylether	10.663	248	2786	2.585	ng	# 1
77) Benzidine	12.939	184	3537	2.025	ng	# 86
88) Benzo(b)fluoranthene	15.033	252	10155	2.730	ng	# 79
89) Benzo(k)fluoranthene	15.033	252	10155	3.153	ng	# 78

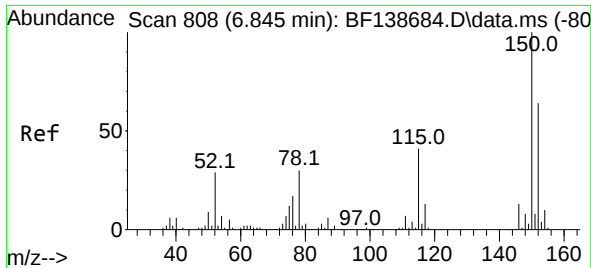
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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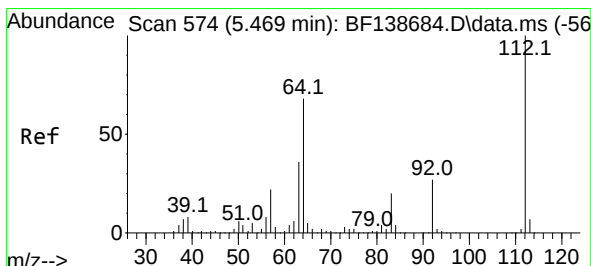
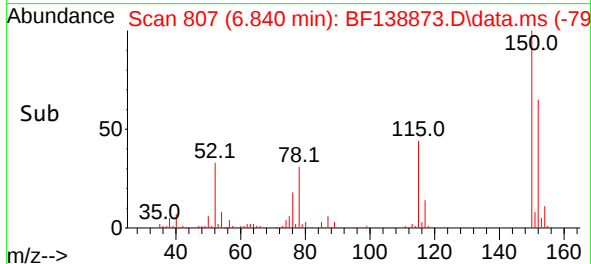
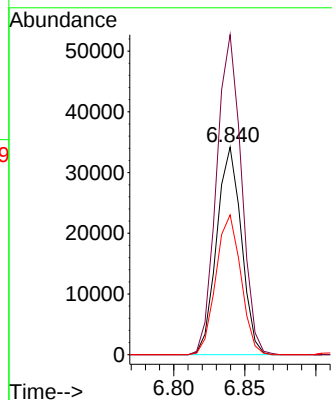
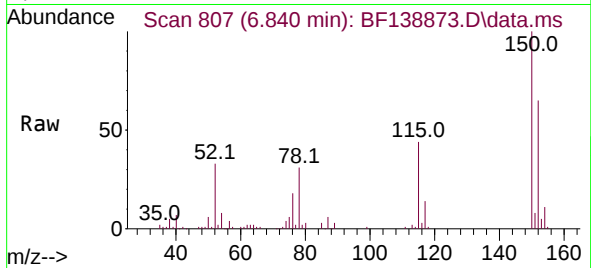




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

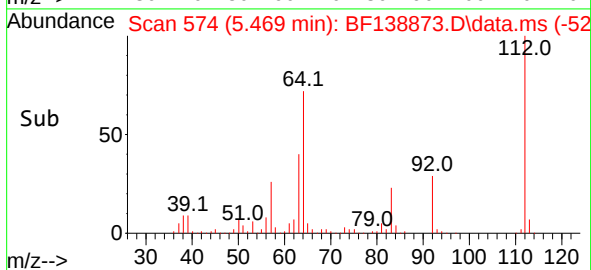
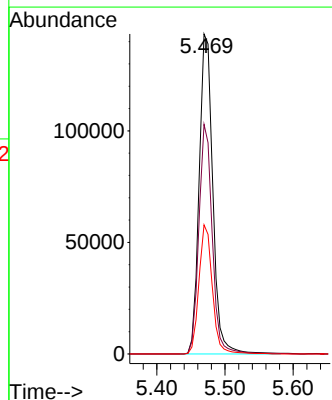
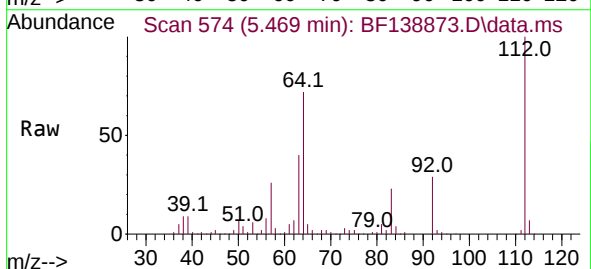
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

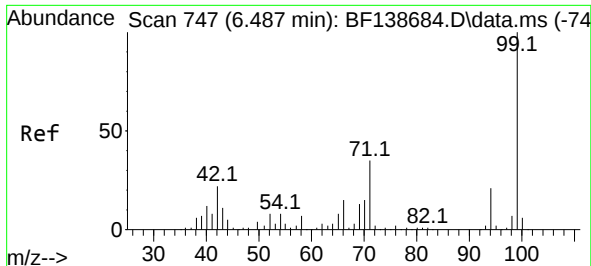
Tgt Ion:152 Resp: 41231
Ion Ratio Lower Upper
152 100
150 154.1 126.0 189.0
115 67.4 51.7 77.5



#5
2-Fluorophenol
Concen: 74.792 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

Tgt Ion:112 Resp: 199771
Ion Ratio Lower Upper
112 100
64 71.7 54.2 81.4
63 40.4 28.7 43.1

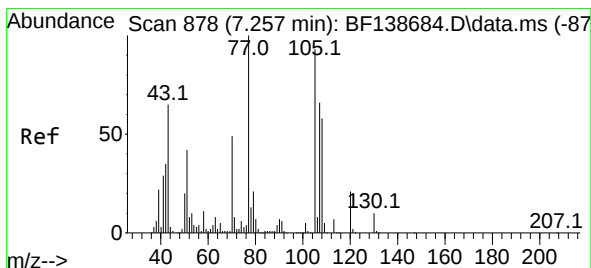
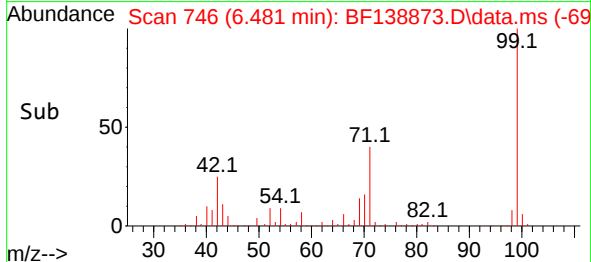
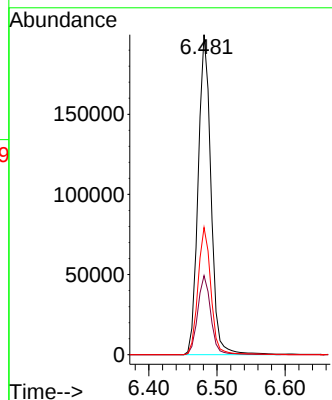
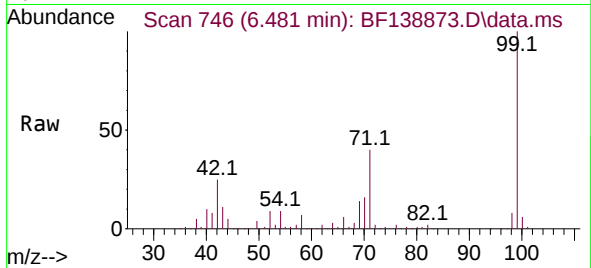




#7
Phenol-d6
Concen: 72.782 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

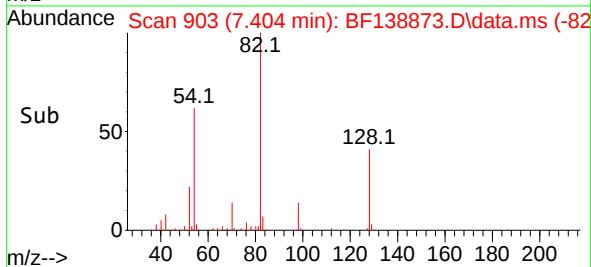
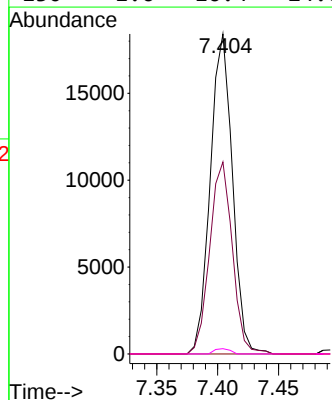
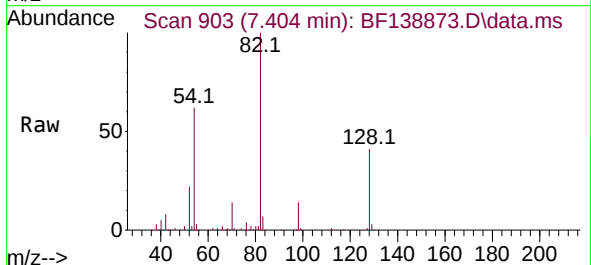
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

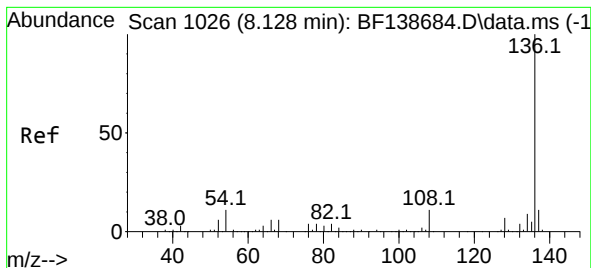
Tgt Ion: 99 Resp: 261003
Ion Ratio Lower Upper
99 100
42 24.7 17.4 26.0
71 39.8 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.728 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

Tgt Ion: 70 Resp: 23236
Ion Ratio Lower Upper
70 100
42 60.0 57.4 86.0
101 0.0 7.5 11.3#
130 1.6 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138873.D

Acq: 08 Aug 2024 19:02

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

Tgt Ion:136 Resp: 155890

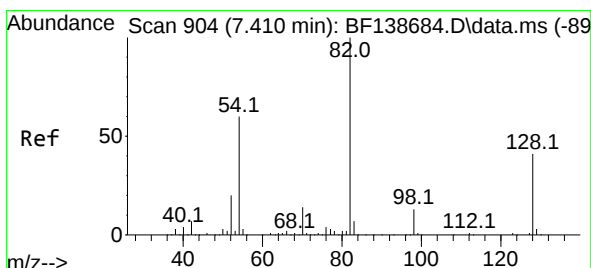
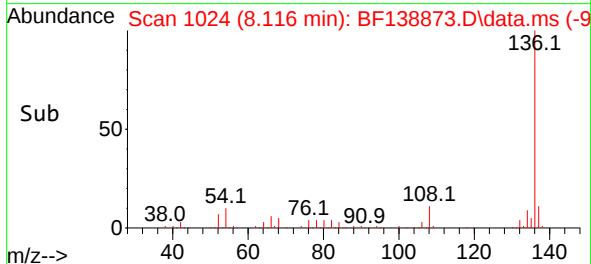
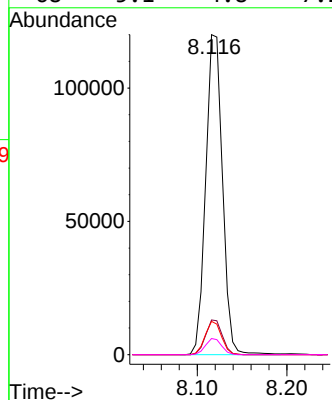
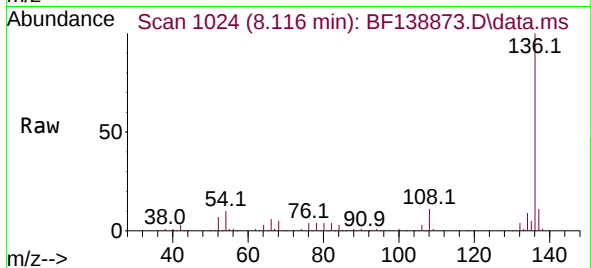
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.4 8.6 12.8

68 5.1 4.8 7.2



#23

Nitrobenzene-d5

Concen: 54.083 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138873.D

Acq: 08 Aug 2024 19:02

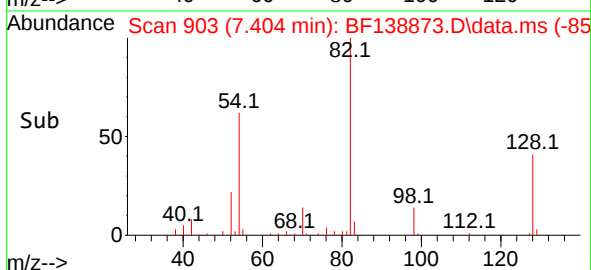
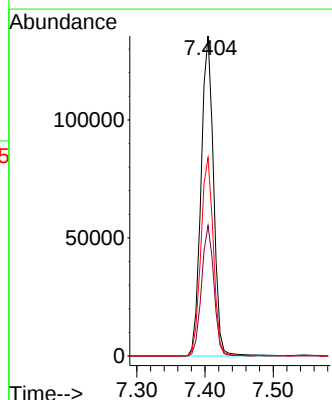
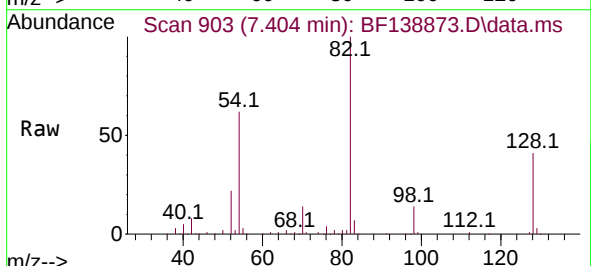
Tgt Ion: 82 Resp: 172445

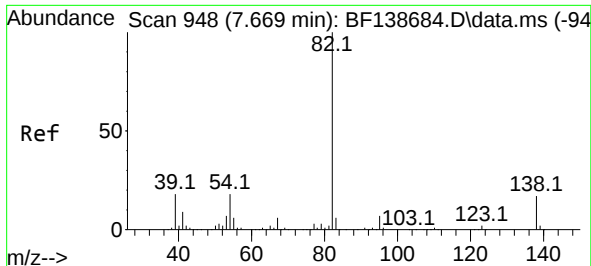
Ion Ratio Lower Upper

82 100

128 40.7 32.8 49.2

54 61.9 48.3 72.5

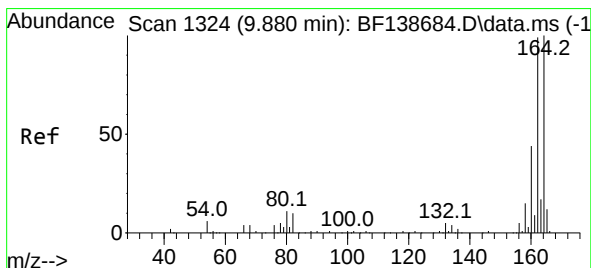
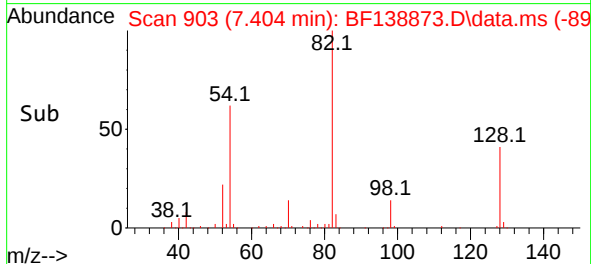
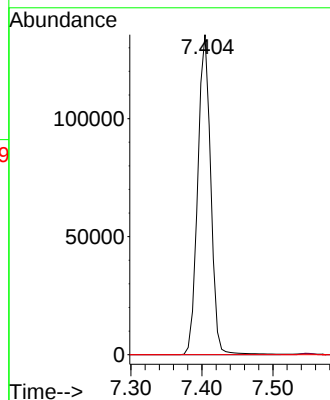
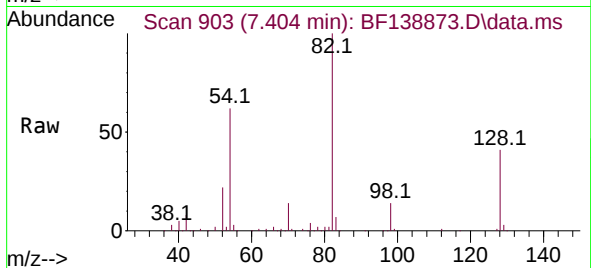




#25
Isophorone
Concen: 31.673 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

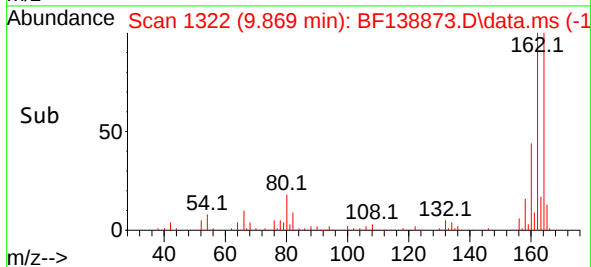
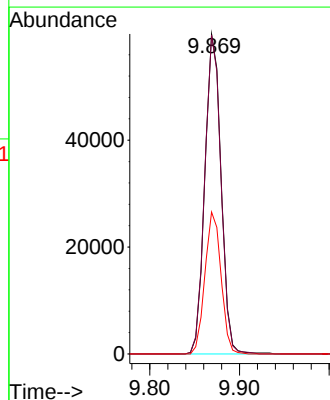
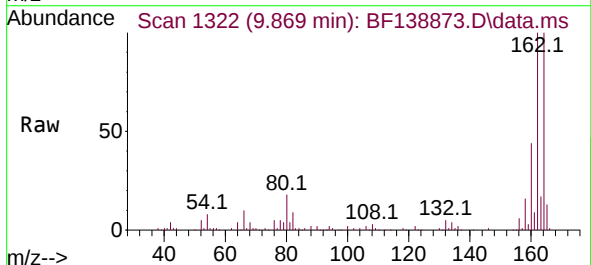
Instrument :
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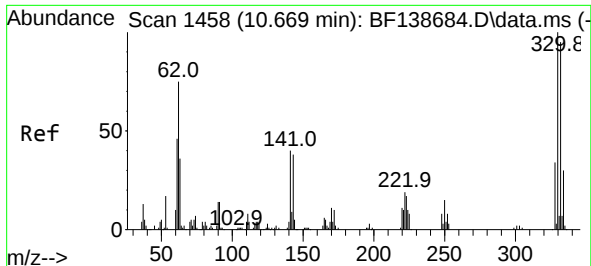
Tgt Ion: 82 Resp: 172444
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

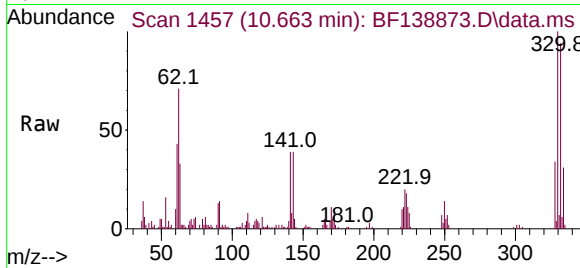
Tgt Ion:164 Resp: 74960
Ion Ratio Lower Upper
164 100
162 99.7 79.4 119.0
160 44.4 35.1 52.7



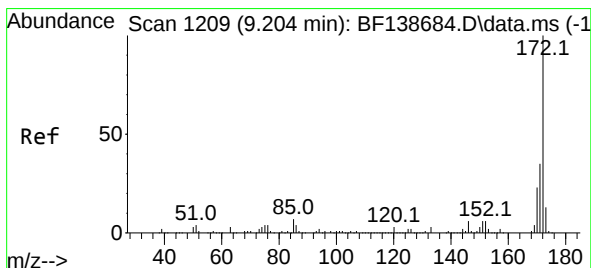
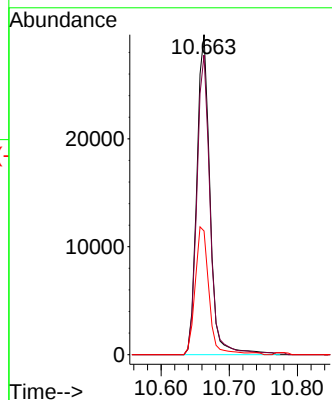
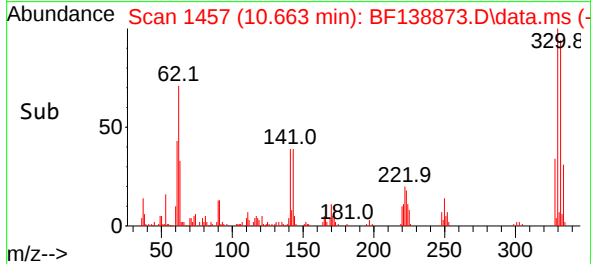


#42
2,4,6-Tribromophenol
Concen: 64.888 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

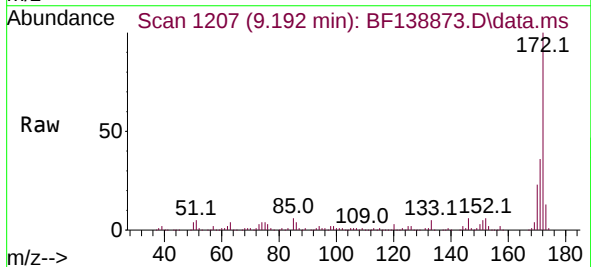
Instrument :
BNA_F
ClientSampleId :
TOPSOIL



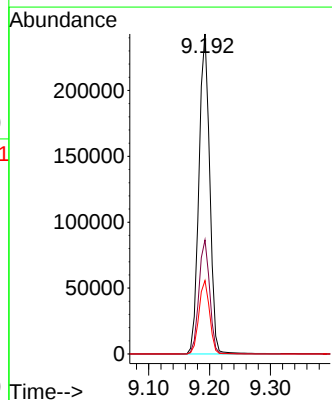
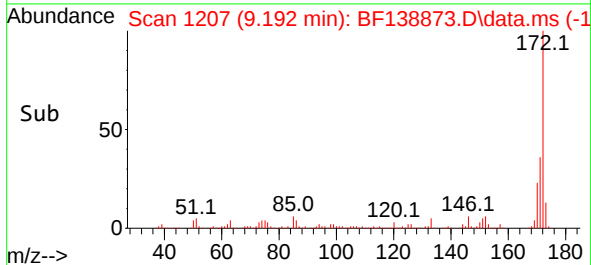
Tgt Ion:330 Resp: 39843
Ion Ratio Lower Upper
330 100
332 94.6 76.4 114.6
141 41.5 31.1 46.7

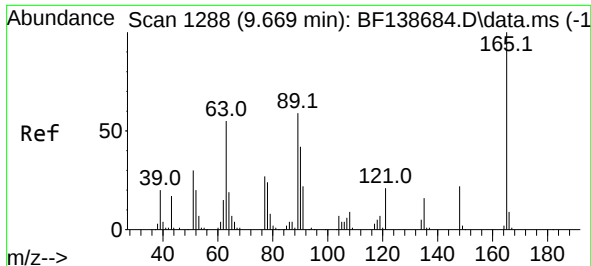


#45
2-Fluorobiphenyl
Concen: 59.755 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02



Tgt Ion:172 Resp: 298119
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.0 18.8 28.2

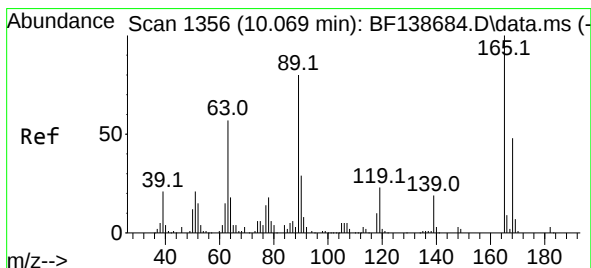
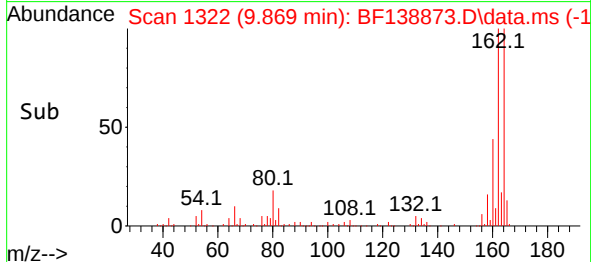
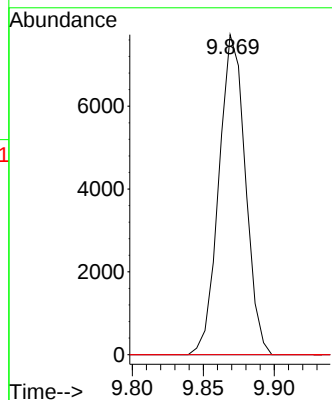
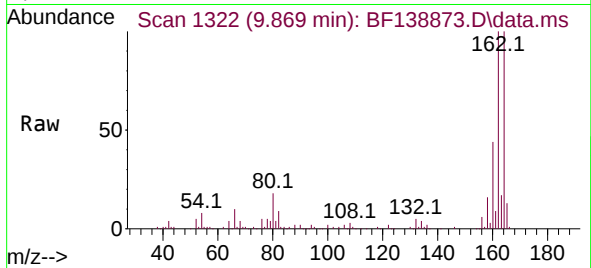




#51
2,6-Dinitrotoluene
Concen: 9.253 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

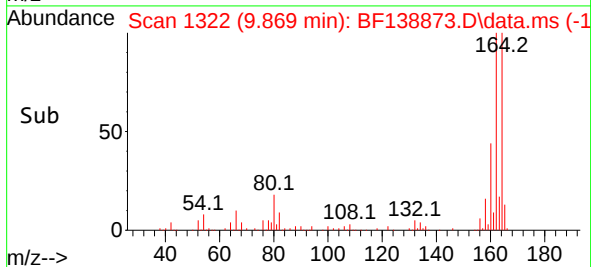
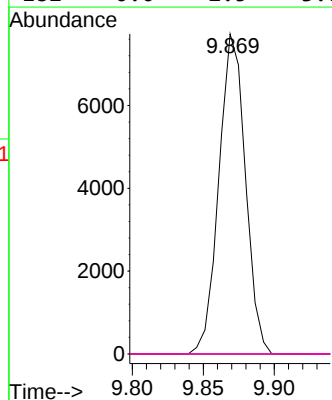
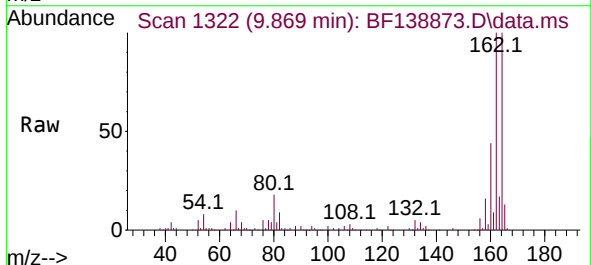
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BNA_F
ClientSampleId :
TOPSOIL

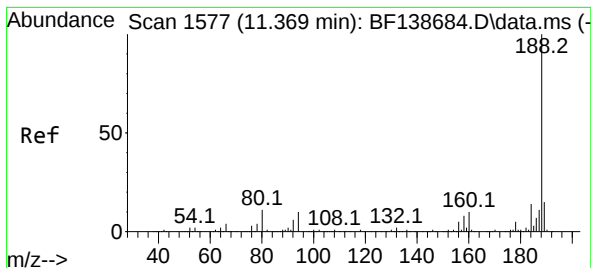
Tgt Ion:165 Resp: 10009
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.252 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

Tgt Ion:165 Resp: 10009
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: BF138873.D

Acq: 08 Aug 2024 19:02

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

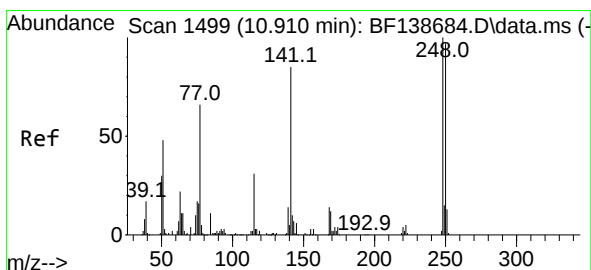
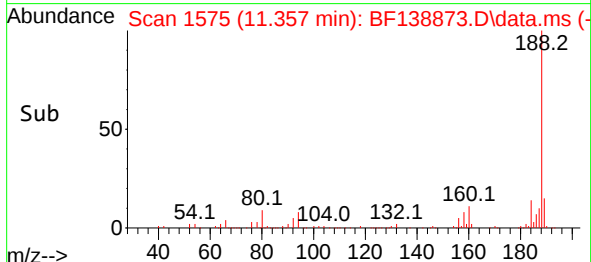
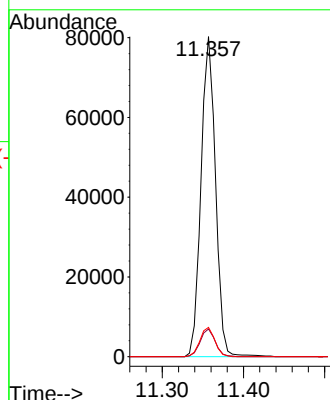
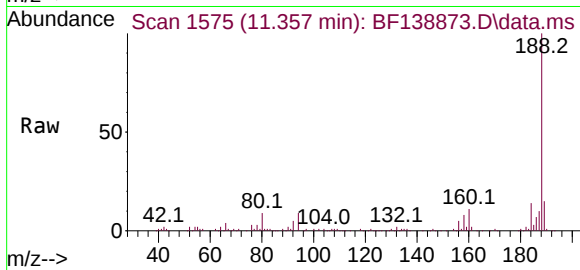
Tgt Ion:188 Resp: 99537

Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.2 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.585 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF138873.D

Acq: 08 Aug 2024 19:02

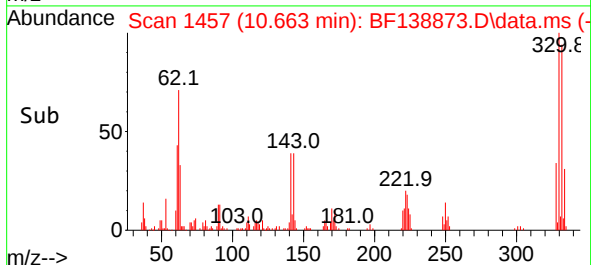
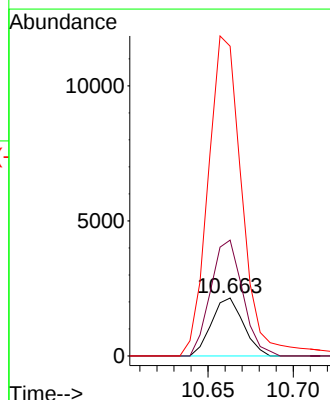
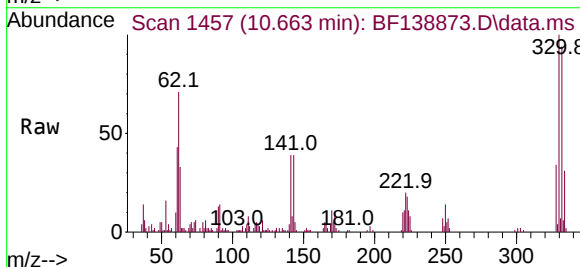
Tgt Ion:248 Resp: 2786

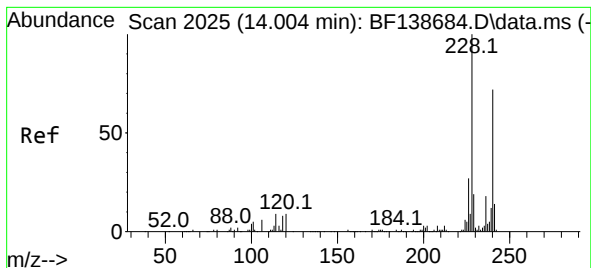
Ion Ratio Lower Upper

248 100

250 200.1 77.7 116.5#

141 534.8 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: BF138873.D

Acq: 08 Aug 2024 19:02

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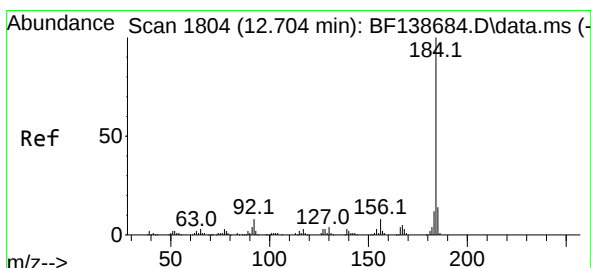
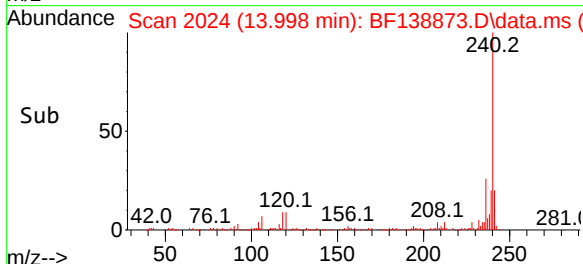
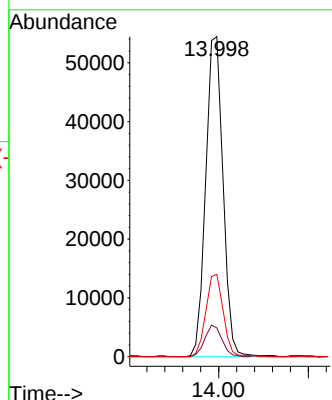
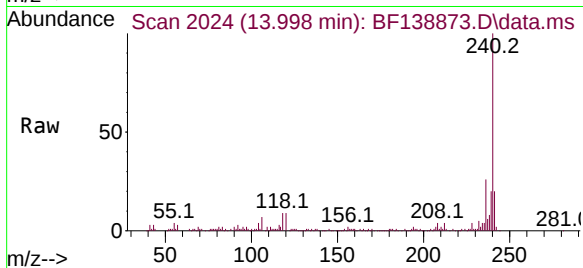
Tgt Ion:240 Resp: 73042

Ion Ratio Lower Upper

240 100

120 9.0 10.2 15.4#

236 25.7 19.8 29.8



#77

Benzidine

Concen: 2.025 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.235 min

Lab File: BF138873.D

Acq: 08 Aug 2024 19:02

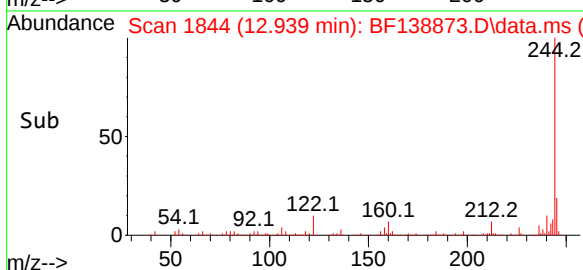
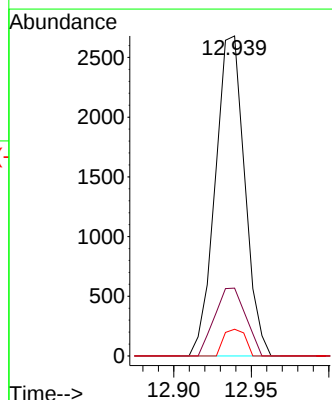
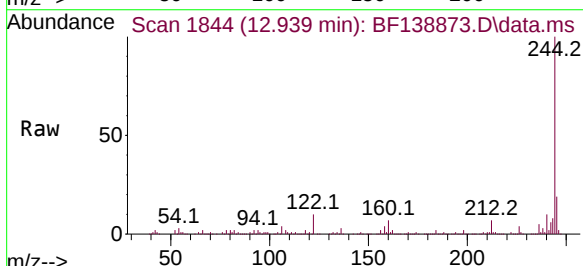
Tgt Ion:184 Resp: 3537

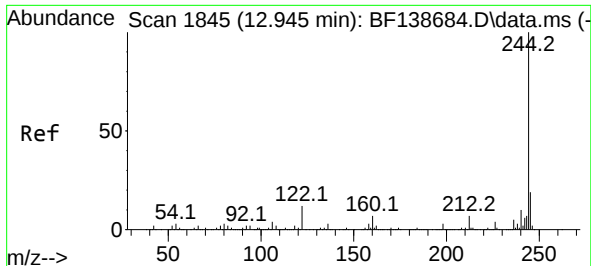
Ion Ratio Lower Upper

184 100

185 21.2 11.1 16.7#

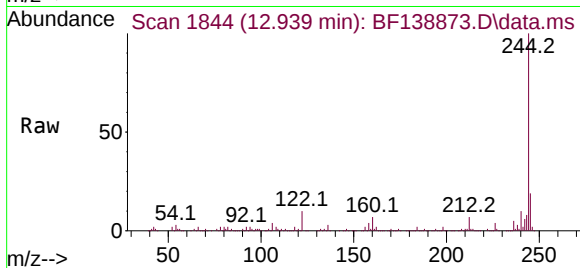
183 8.4 9.6 14.4#



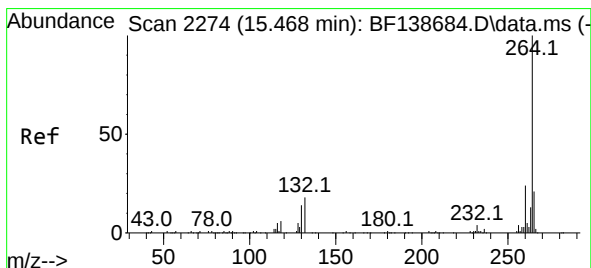
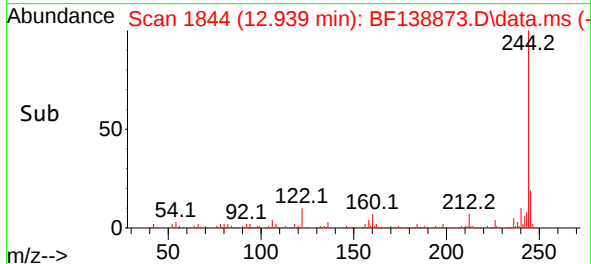
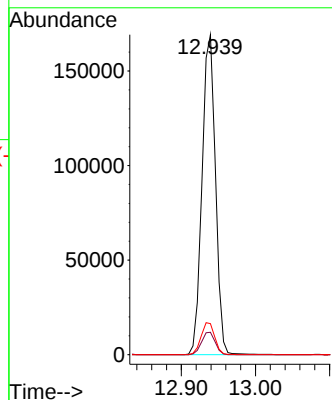


#79
Terphenyl-d14
Concen: 48.805 ng
RT: 12.939 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

Instrument :
BNA_F
ClientSampleId :
TOPSOIL

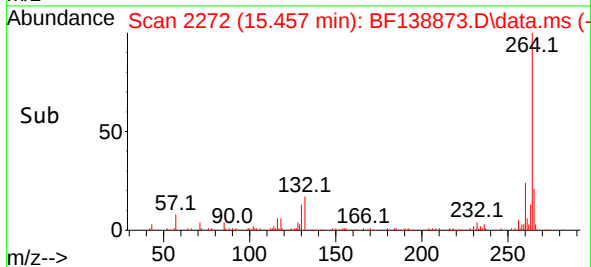
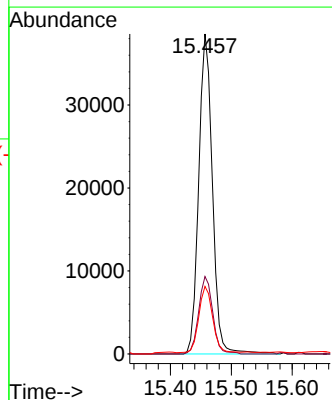
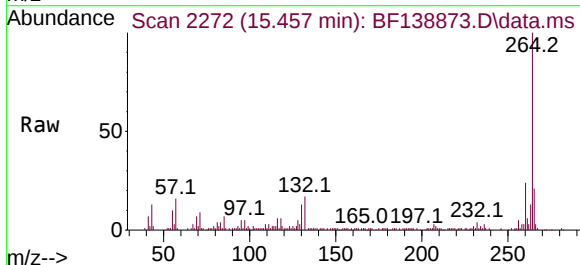


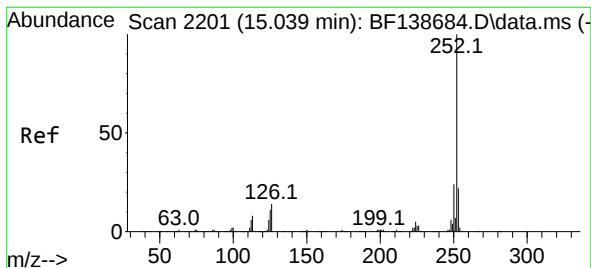
Tgt Ion:244 Resp: 212916
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 9.7 9.6 14.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138873.D
Acq: 08 Aug 2024 19:02

Tgt Ion:264 Resp: 60016
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 21.1 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.730 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138873.D

Acq: 08 Aug 2024 19:02

Instrument :

BNA_F

ClientSampleId :

TOPSOIL

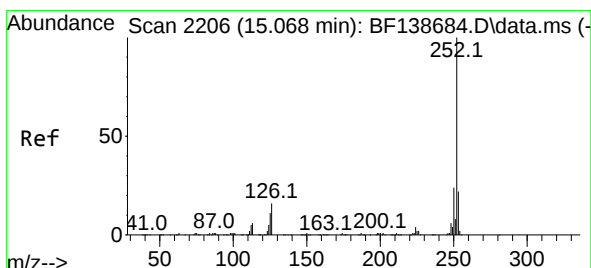
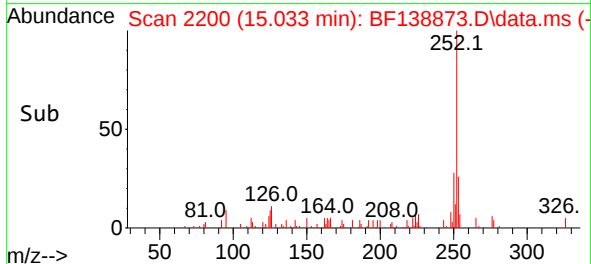
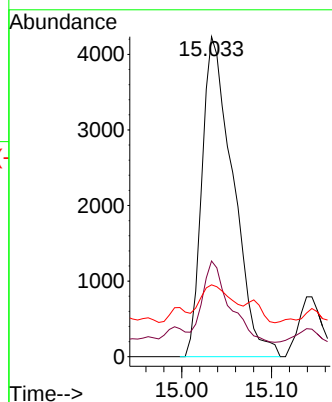
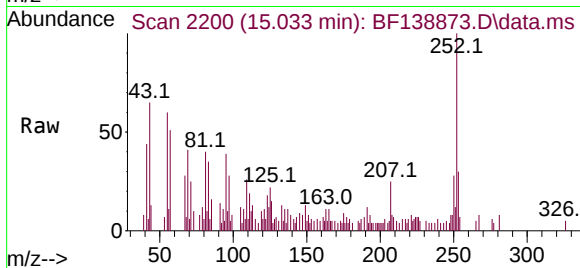
Tgt Ion:252 Resp: 10155

Ion Ratio Lower Upper

252 100

253 29.9 17.5 26.3#

125 22.4 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 3.153 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.035 min

Lab File: BF138873.D

Acq: 08 Aug 2024 19:02

Tgt Ion:252 Resp: 10155

Ion Ratio Lower Upper

252 100

253 29.9 17.4 26.0#

125 22.4 8.6 13.0#

