

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141704.D
 Acq On : 20 Feb 2025 15:36
 Operator : RC/JU
 Sample : Q1383-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-20-021725

Quant Time: Feb 20 16:16:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

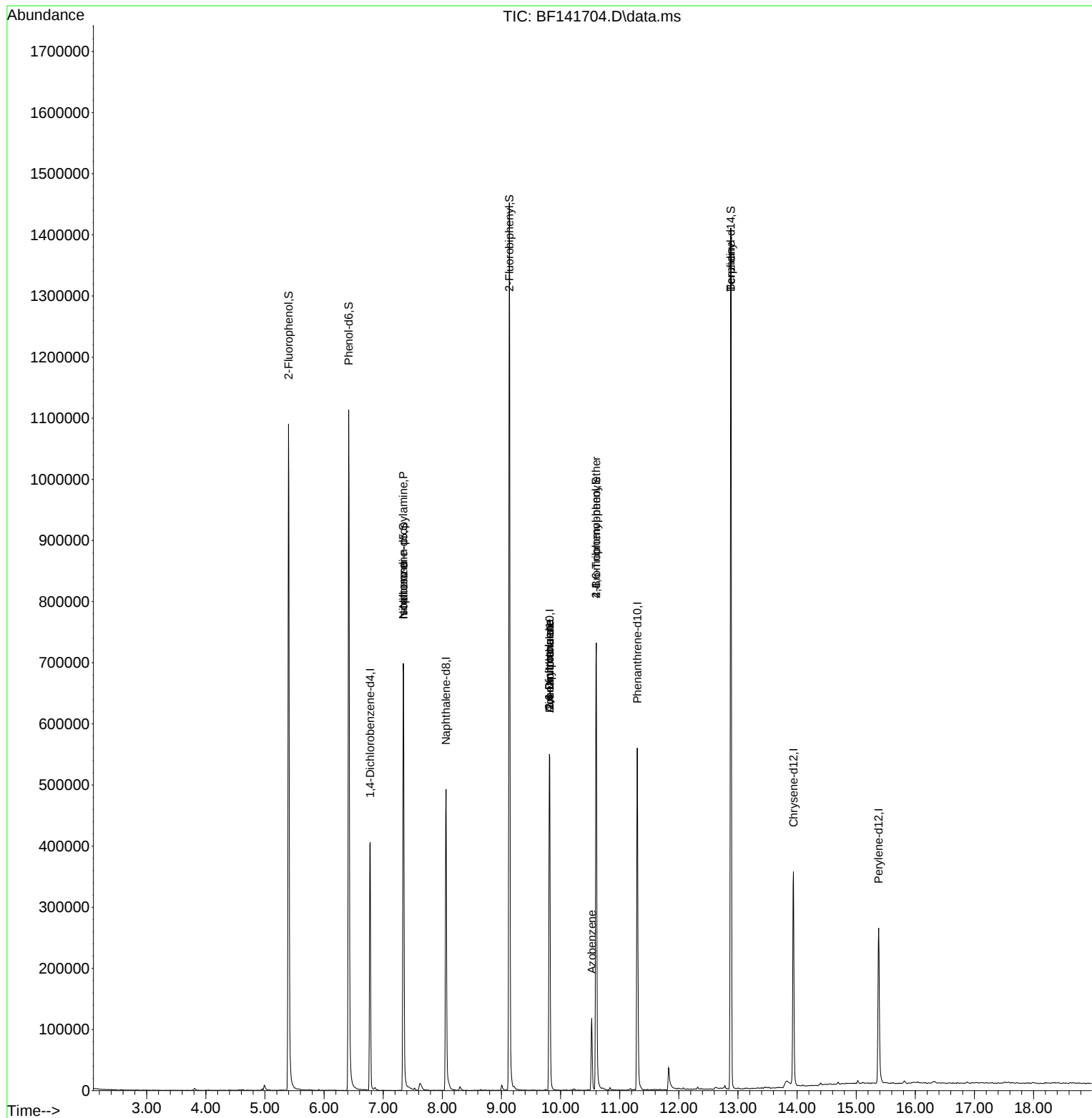
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89180	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	355178	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	185538	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	316202	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	190956	20.000	ng	-0.02
86) Perylene-d12	15.380	264	170452	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	432305	75.997	ng	-0.01
7) Phenol-d6	6.416	99	528501	73.508	ng	-0.02
23) Nitrobenzene-d5	7.339	82	340153	49.952	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	130077	69.791	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	659012	54.722	ng	-0.02
79) Terphenyl-d14	12.880	244	690596	61.053	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	43941	10.217	ng	# 75
25) Isophorone	7.339	82	329924	30.386	ng	# 66
50) Dimethylphthalate	9.816	163	28937	2.297	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	24196	8.787	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	24196	6.601	ng	# 18
63) Azobenzene	10.527	77	31420	2.550	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	8497	2.404	ng	# 1
77) Benzidine	12.880	184	8634	2.050	ng	# 91

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

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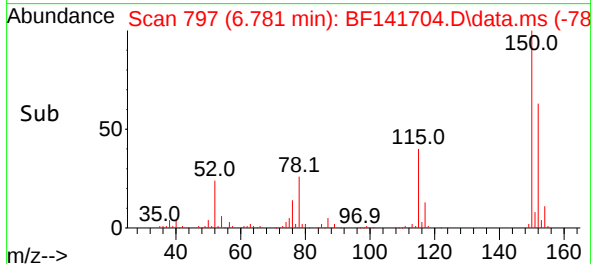
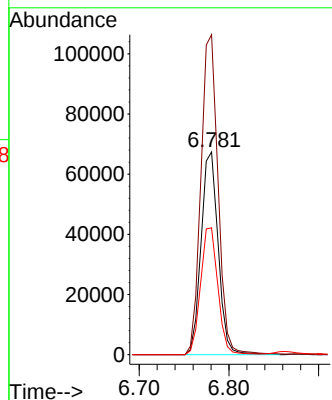
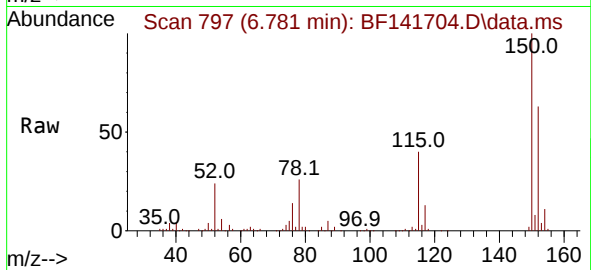




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141704.D
 Acq: 20 Feb 2025 15:36

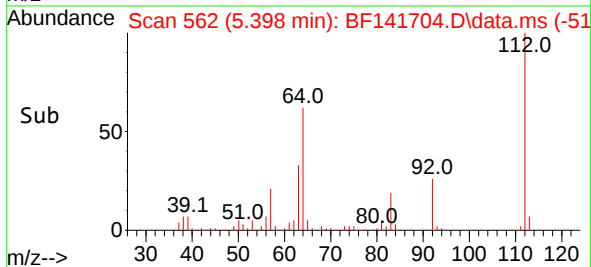
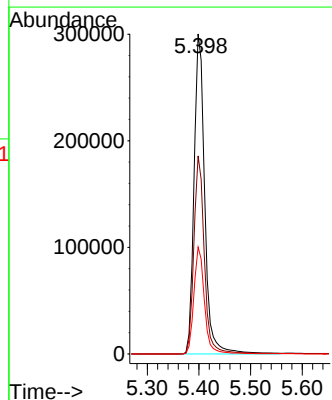
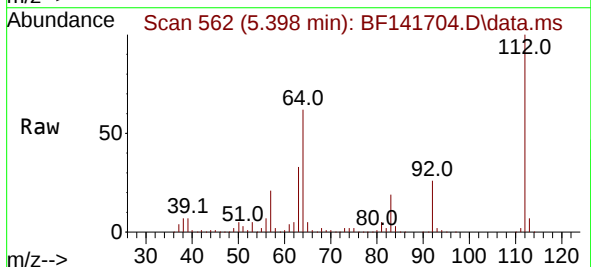
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-20-021725

Tgt Ion:152 Resp: 89180
 Ion Ratio Lower Upper
 152 100
 150 157.8 125.0 187.4
 115 62.6 53.6 80.4



#5
 2-Fluorophenol
 Concen: 75.997 ng
 RT: 5.398 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: BF141704.D
 Acq: 20 Feb 2025 15:36

Tgt Ion:112 Resp: 432305
 Ion Ratio Lower Upper
 112 100
 64 61.9 51.1 76.7
 63 33.4 28.4 42.6

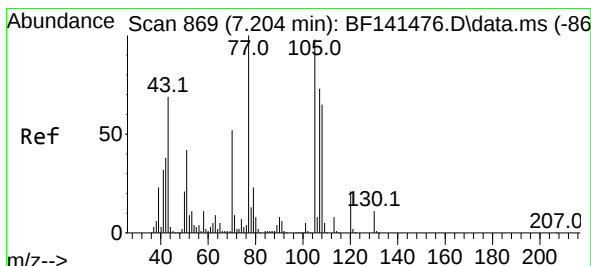
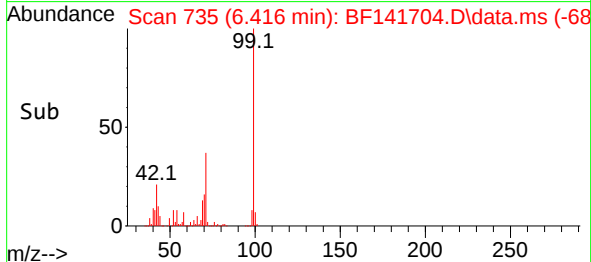
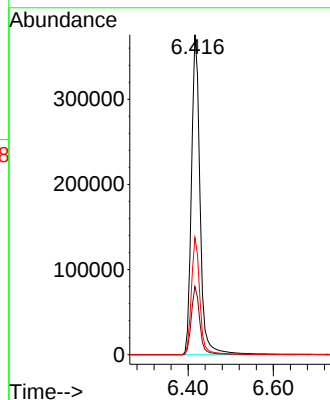
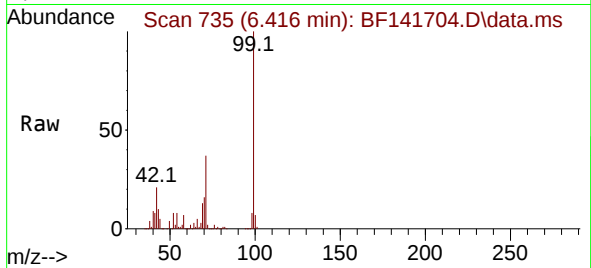




#7
Phenol-d6
Concen: 73.508 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

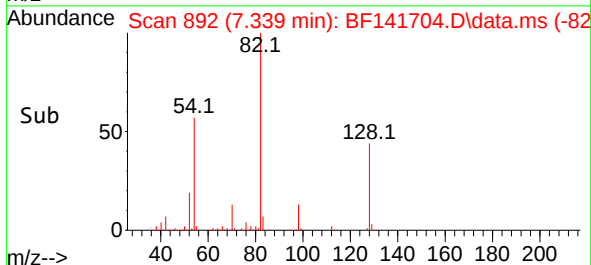
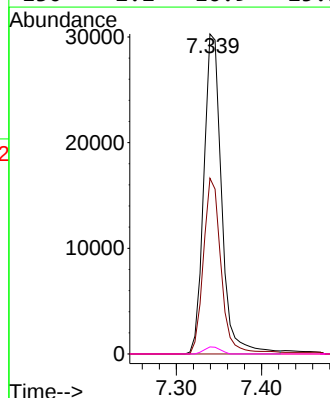
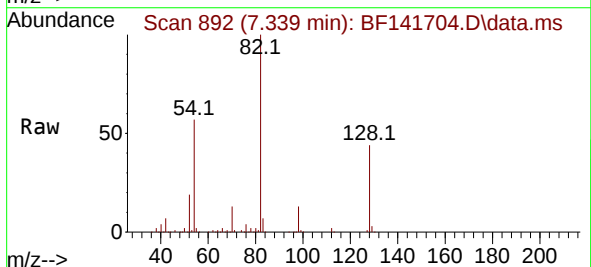
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion: 99 Resp: 528501
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 36.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.217 ng
RT: 7.339 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion: 70 Resp: 43941
Ion Ratio Lower Upper
70 100
42 54.9 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

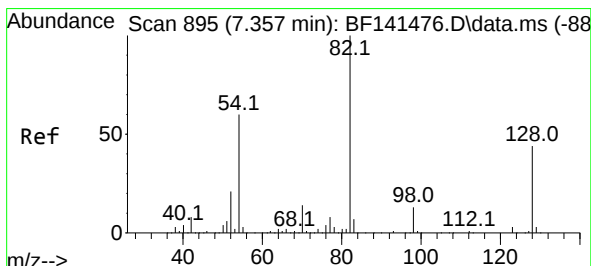
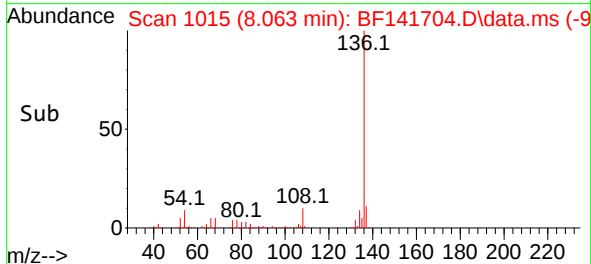
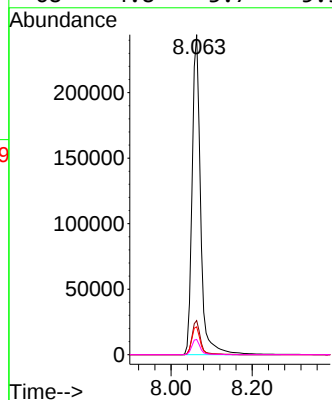
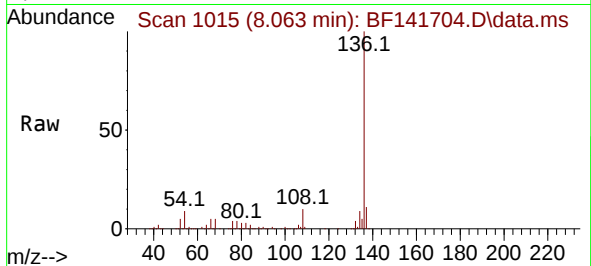




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

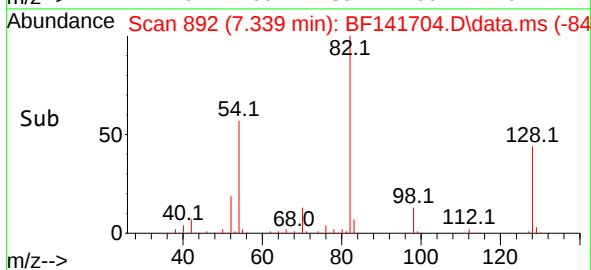
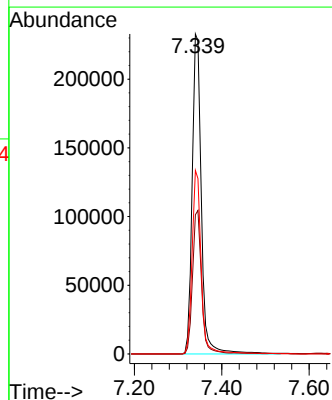
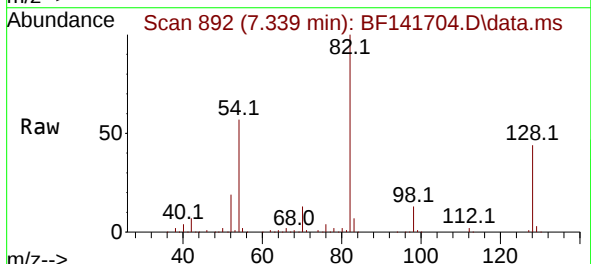
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion:136 Resp: 355178
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 49.952 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion: 82 Resp: 340153
Ion Ratio Lower Upper
82 100
128 43.5 34.8 52.2
54 57.4 48.2 72.4

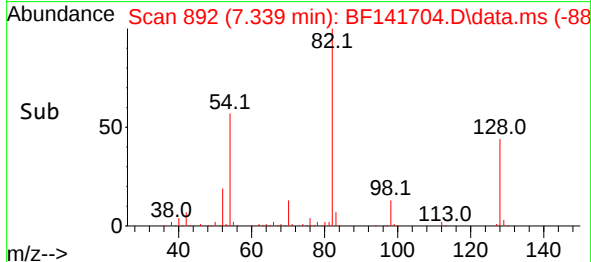
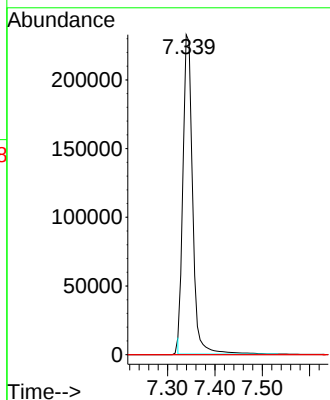
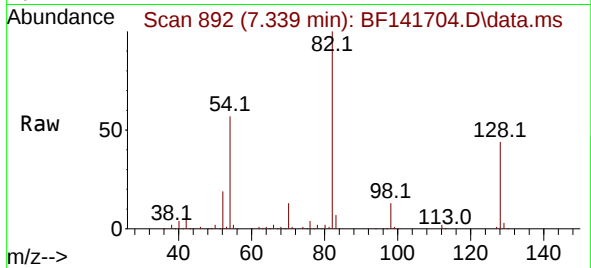




#25
Isophorone
Concen: 30.386 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

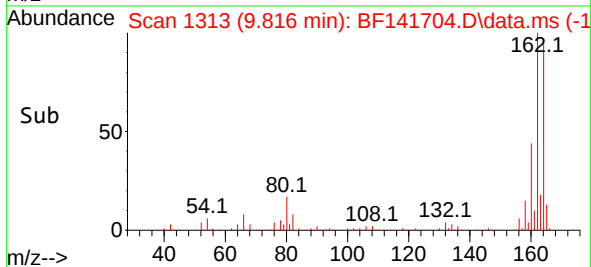
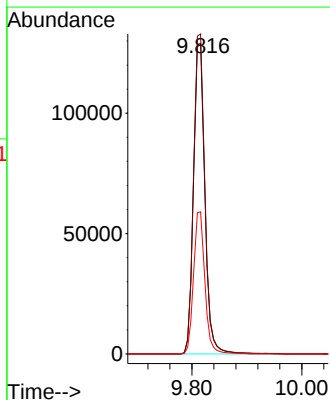
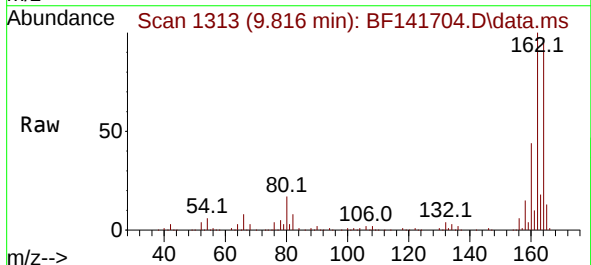
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion: 82 Resp: 329924
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:164 Resp: 185538
Ion Ratio Lower Upper
164 100
162 103.1 81.3 121.9
160 45.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 69.791 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141704.D

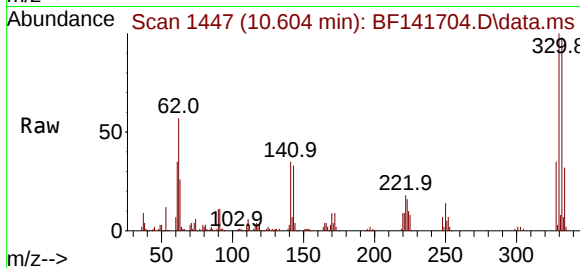
Acq: 20 Feb 2025 15:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-20-021725



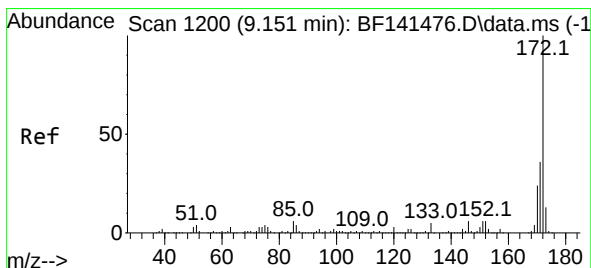
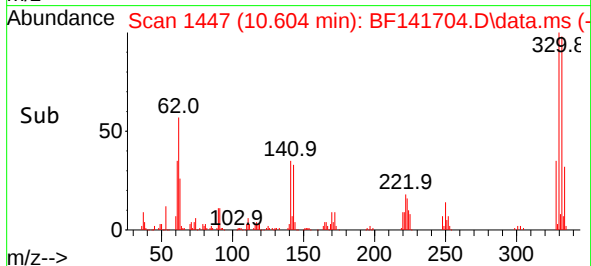
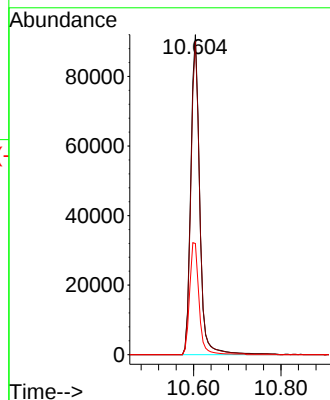
Tgt Ion:330 Resp: 130077

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

141 36.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 54.722 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141704.D

Acq: 20 Feb 2025 15:36

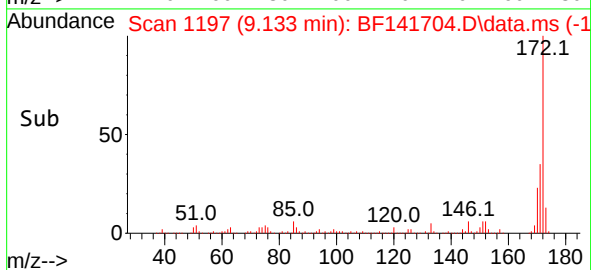
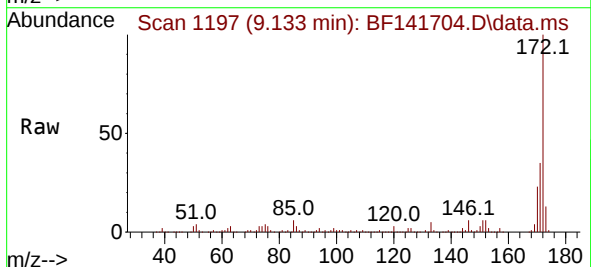
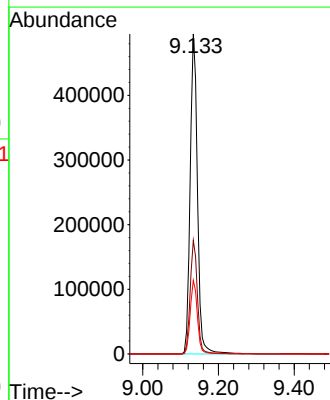
Tgt Ion:172 Resp: 659012

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.0 18.9 28.3

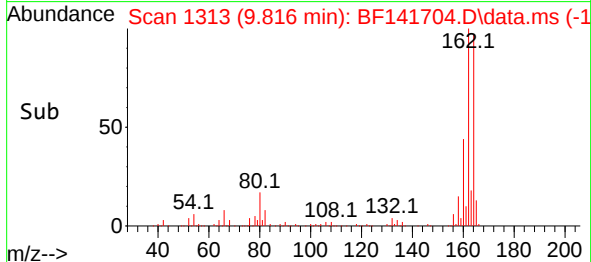
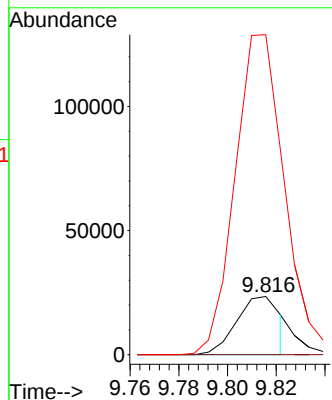
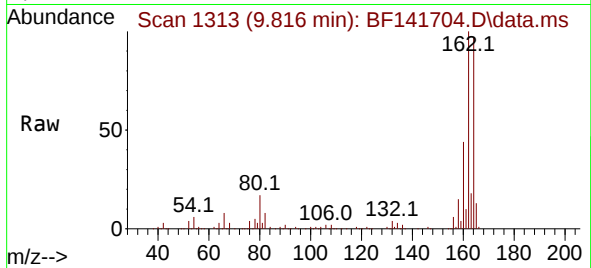




#50
Dimethylphthalate
Concen: 2.297 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

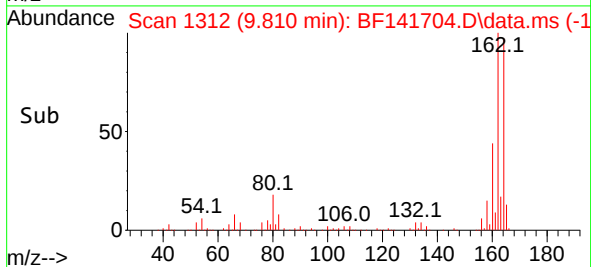
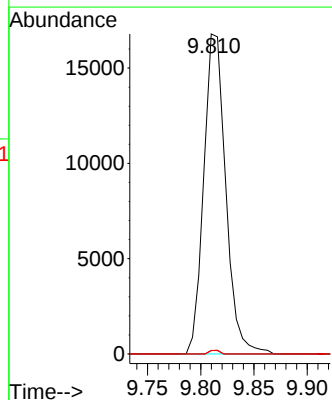
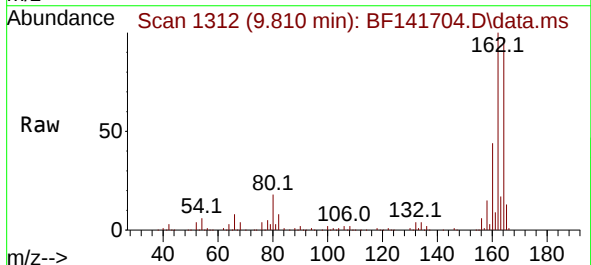
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion:163 Resp: 28937
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 549.4 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.787 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:165 Resp: 24196
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.1 46.5 69.7#

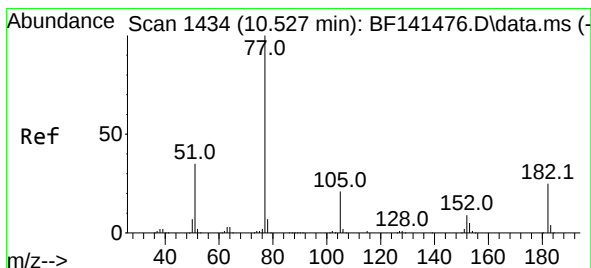
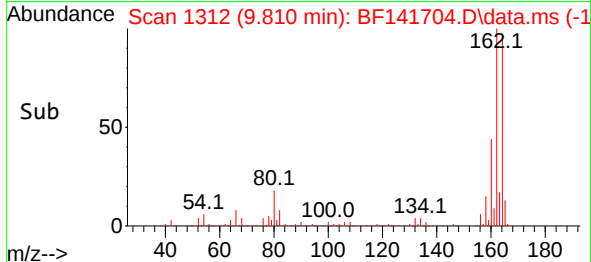
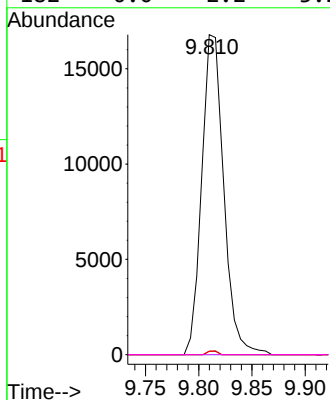
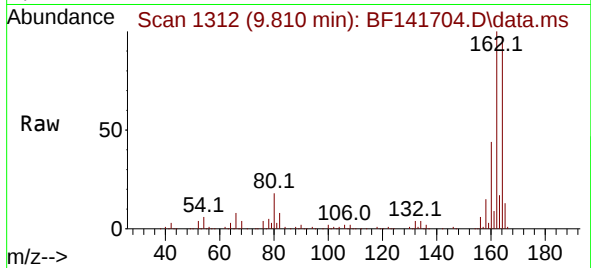




#57
2,4-Dinitrotoluene
Concen: 6.601 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

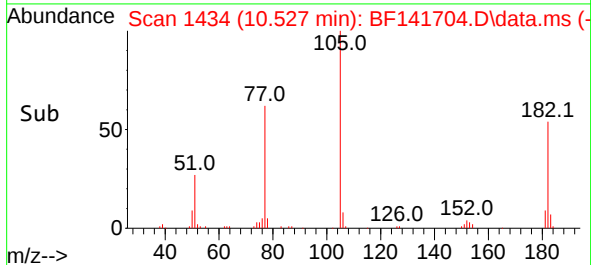
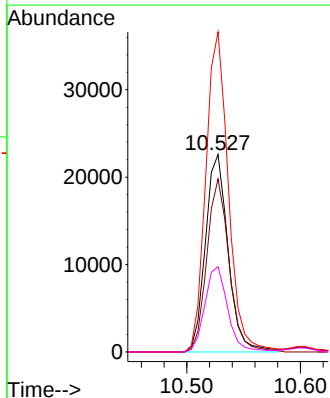
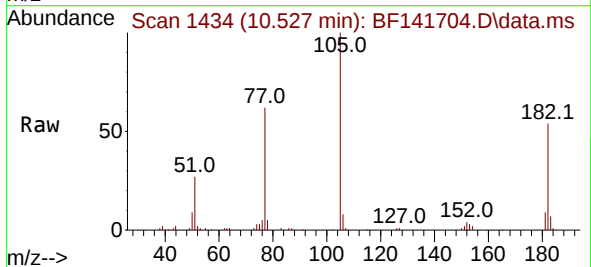
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ClientSampleId :
OU4-PCS-TC-20-021725

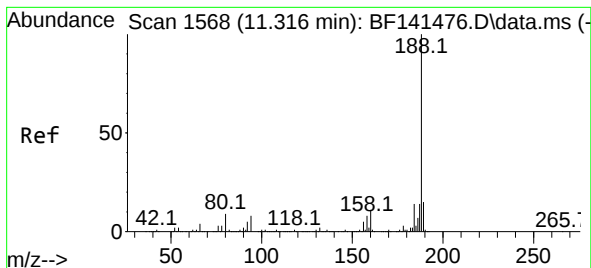
Tgt Ion:165	Resp:	24196
Ion Ratio	Lower	Upper
165	100	
63	1.1	46.4 69.6#
89	1.1	61.8 92.6#
182	0.0	2.2 3.2#



#63
Azobenzene
Concen: 2.550 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion: 77	Resp:	31420
Ion Ratio	Lower	Upper
77	100	
182	87.6	4.7 44.7#
105	162.1	0.4 40.4#
51	43.2	16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141704.D

Acq: 20 Feb 2025 15:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-20-021725

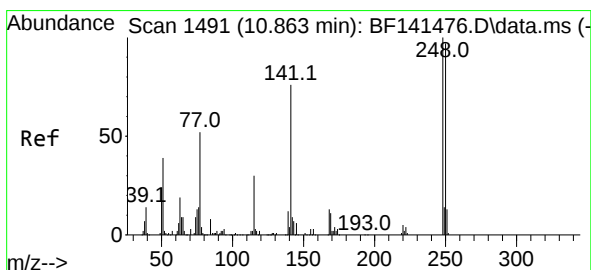
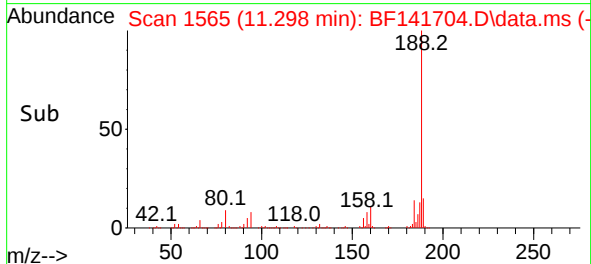
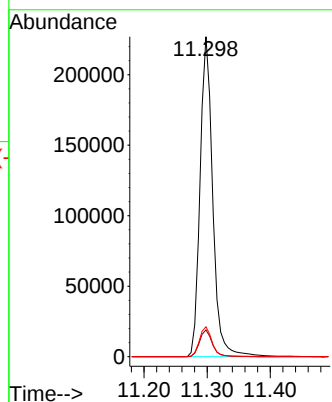
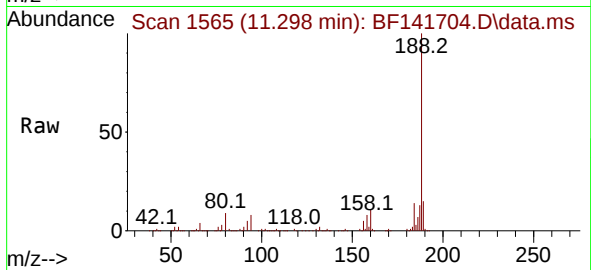
Tgt Ion:188 Resp: 316202

Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.4 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.404 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141704.D

Acq: 20 Feb 2025 15:36

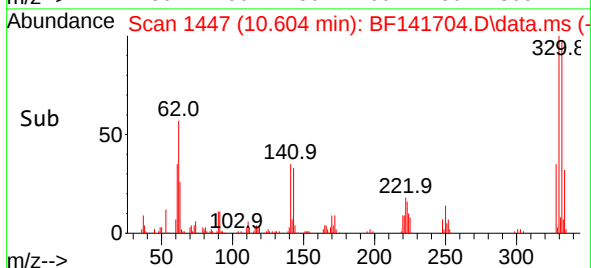
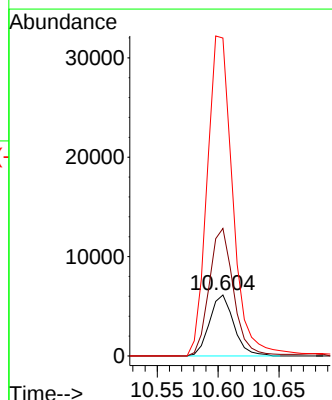
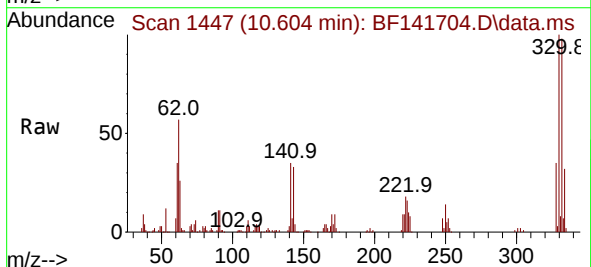
Tgt Ion:248 Resp: 8497

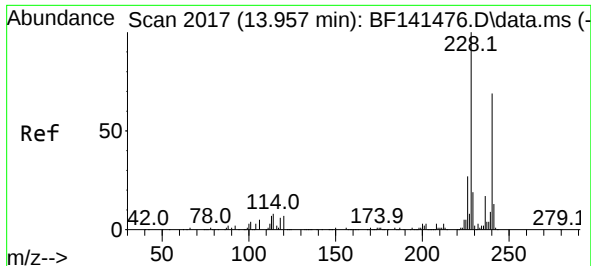
Ion Ratio Lower Upper

248 100

250 209.5 77.8 116.6#

141 521.9 60.6 90.8#

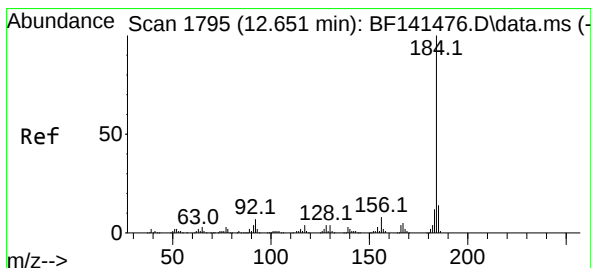
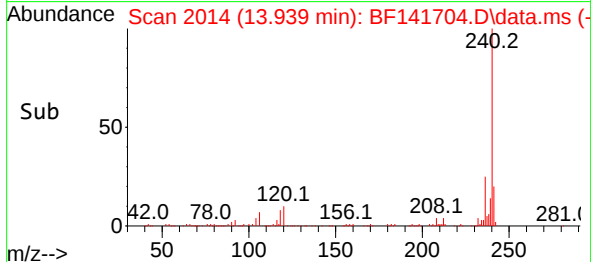
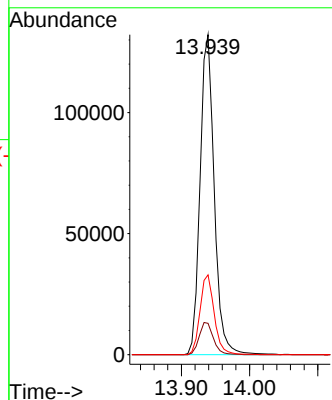
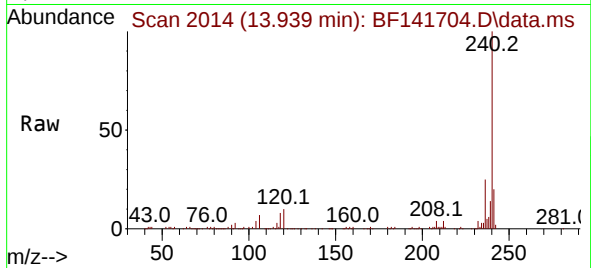




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2017
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

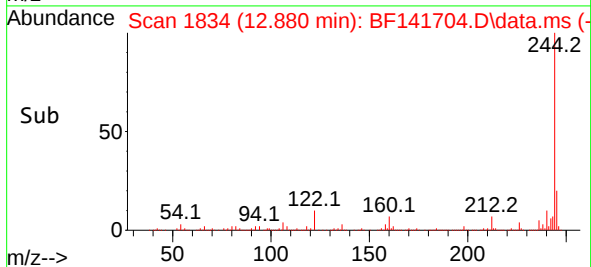
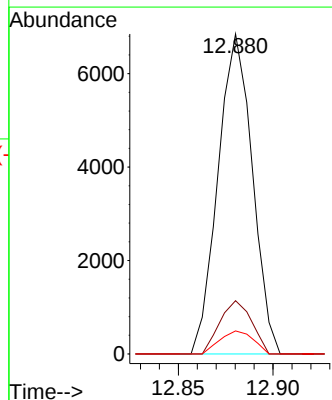
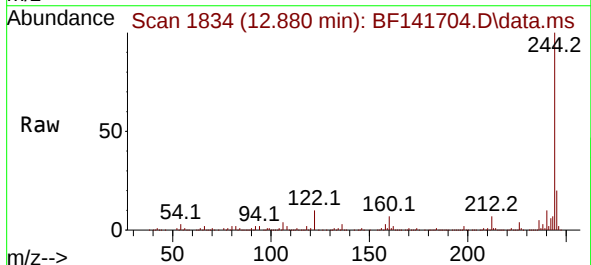
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

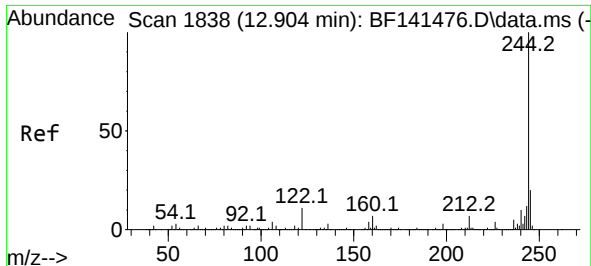
Tgt Ion:240 Resp: 190956
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.0 19.8 29.8



#77
Benzidine
Concen: 2.050 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

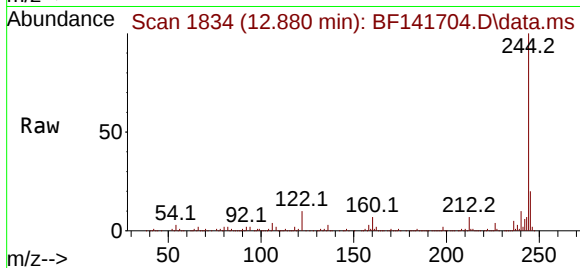
Tgt Ion:184 Resp: 8634
Ion Ratio Lower Upper
184 100
185 16.7 11.3 16.9
183 7.2 9.3 13.9#



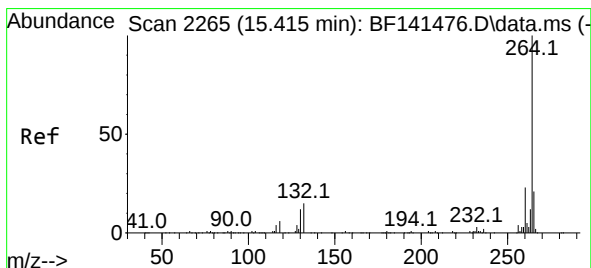
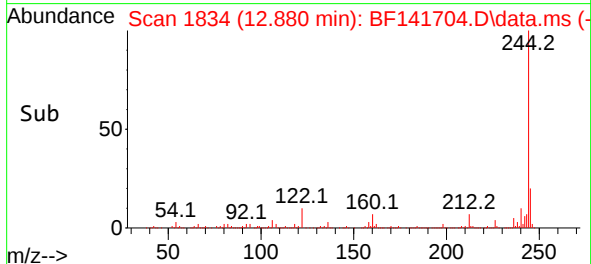
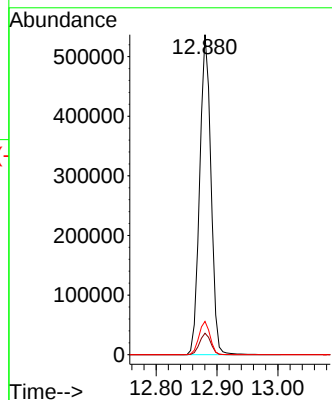


#79
 Terphenyl-d14
 Concen: 61.053 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141704.D
 Acq: 20 Feb 2025 15:36

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-20-021725



Tgt Ion:244 Resp: 690596
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.4 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141704.D
 Acq: 20 Feb 2025 15:36

Tgt Ion:264 Resp: 170452
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 21.0 17.0 25.4

