

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141607.D
 Acq On : 13 Feb 2025 11:58
 Operator : RC/JU
 Sample : Q1343-20RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14RE

Quant Time: Feb 13 12:37:49 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)

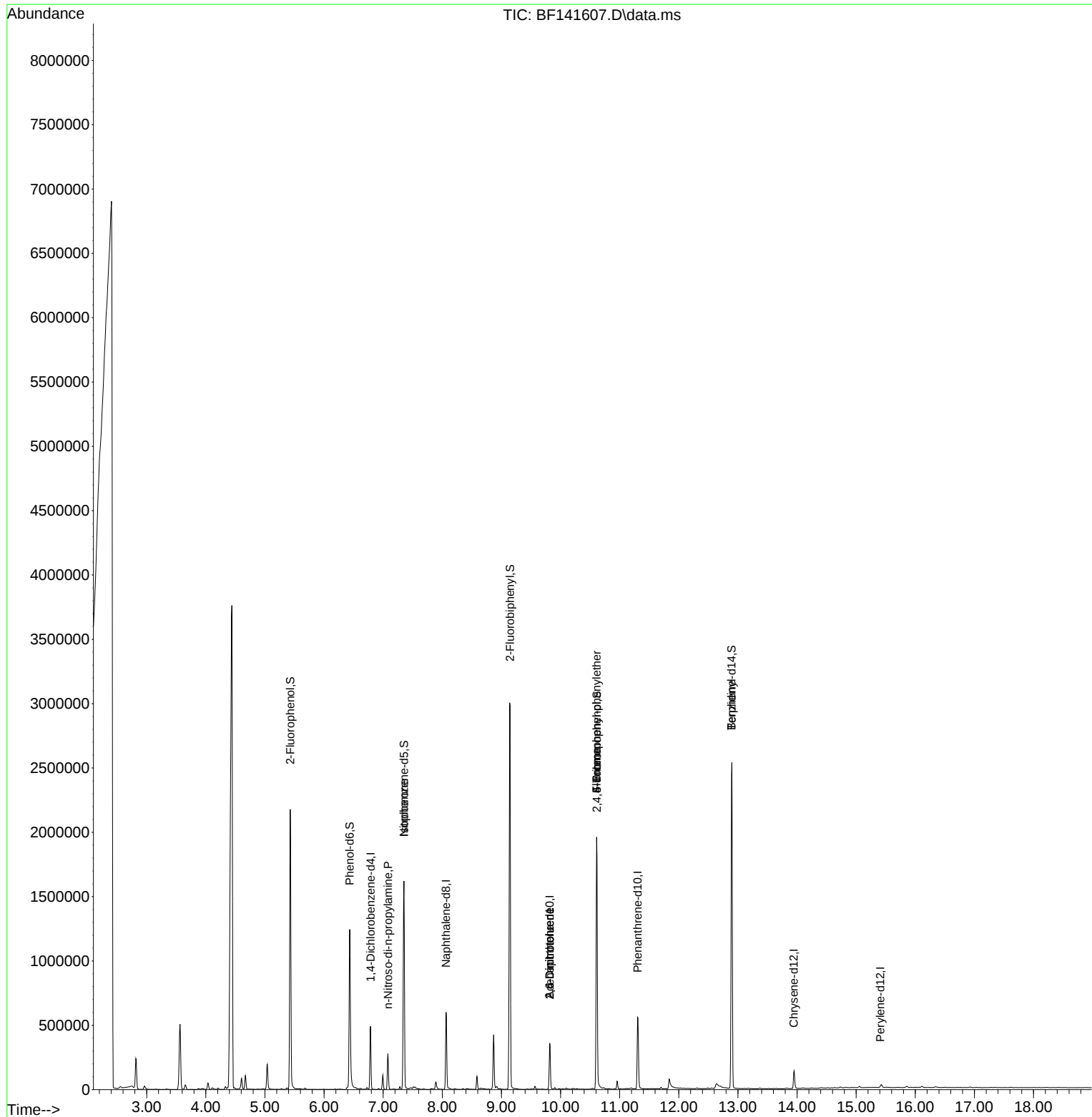
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	100988	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	394158	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	99681	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	248028	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	50758	20.000	ng	#-0.02
86) Perylene-d12	15.410	264	3352	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	816533	126.759	ng	0.02
7) Phenol-d6	6.434	99	537055	65.964	ng	0.00
23) Nitrobenzene-d5	7.351	82	777535	102.890	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	347456	346.991	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1457161	225.215	ng	0.00
79) Terphenyl-d14	12.892	244	953674	317.185	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.081	70	16827	3.455	ng	# 41
25) Isophorone	7.351	82	762058	63.245	ng	# 66
51) 2,6-Dinitrotoluene	9.816	165	13199	8.922	ng	# 24
57) 2,4-Dinitrotoluene	9.816	165	13199	6.702	ng	# 20
58) Fluorene	10.610	166	13789	2.126	ng	# 88
67) 4-Bromophenyl-phenylether	10.610	248	22944	8.277	ng	# 1
77) Benzidine	12.892	184	14331	12.802	ng	# 77

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

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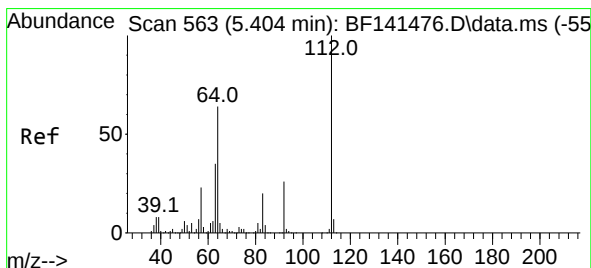
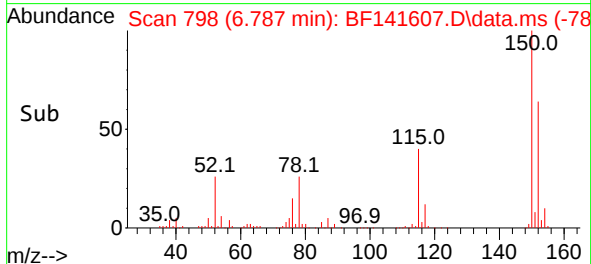
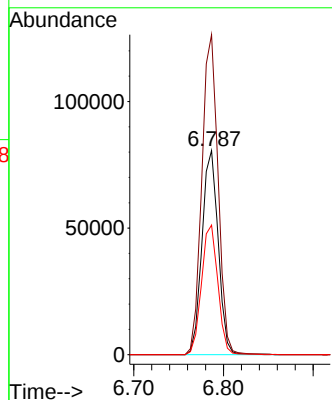
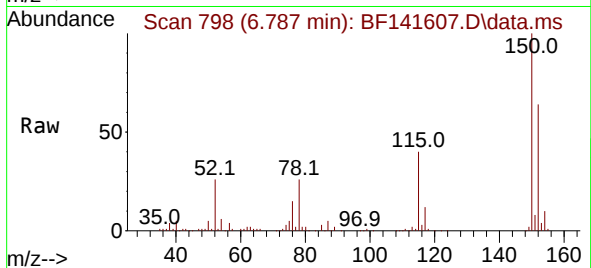




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141607.D
 Acq: 13 Feb 2025 11:58

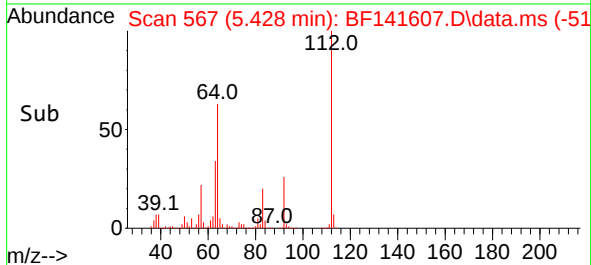
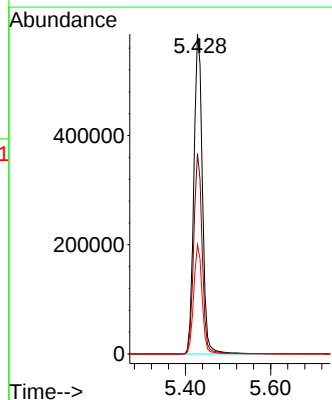
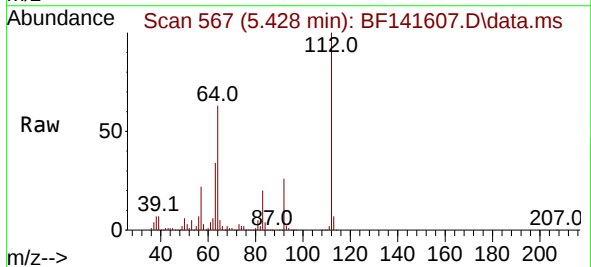
Instrument :
 BNA_F
 ClientSampleId :
 WC-14RE

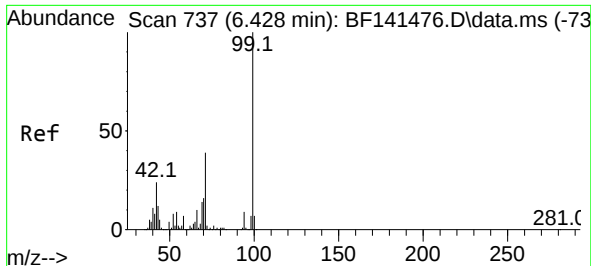
Tgt Ion:152 Resp: 100988
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.0 187.4
 115 63.4 53.6 80.4



#5
 2-Fluorophenol
 Concen: 126.759 ng
 RT: 5.428 min Scan# 567
 Delta R.T. 0.018 min
 Lab File: BF141607.D
 Acq: 13 Feb 2025 11:58

Tgt Ion:112 Resp: 816533
 Ion Ratio Lower Upper
 112 100
 64 62.6 51.1 76.7
 63 34.2 28.4 42.6

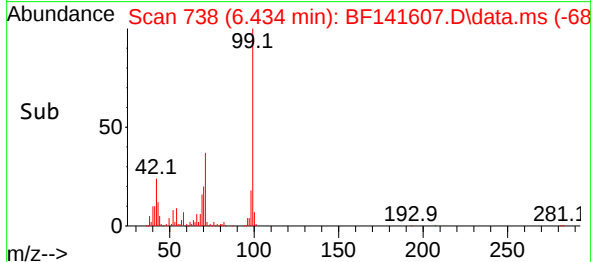
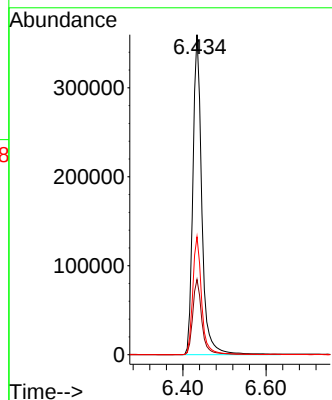
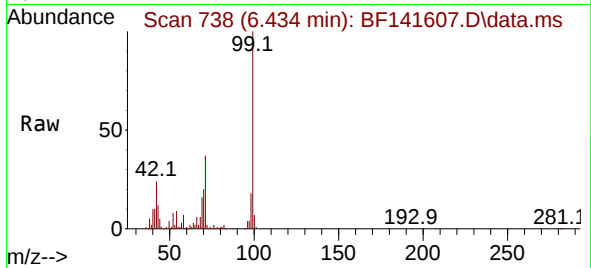




#7
Phenol-d6
Concen: 65.964 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

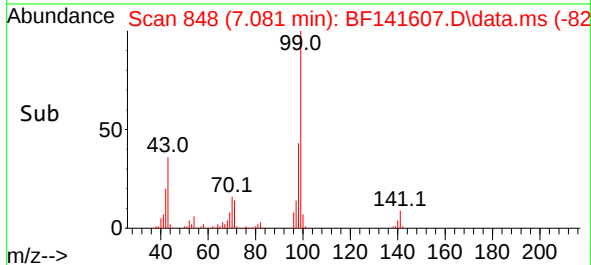
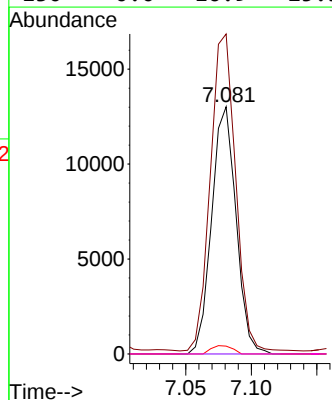
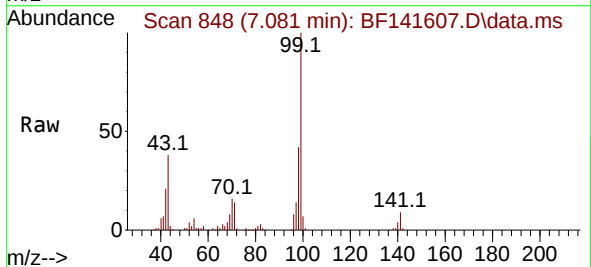
Instrument :
BNA_F
ClientSampleId :
WC-14RE

Tgt Ion: 99 Resp: 537055
Ion Ratio Lower Upper
99 100
42 23.5 19.1 28.7
71 36.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.455 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.135 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 70 Resp: 16827
Ion Ratio Lower Upper
70 100
42 129.5 57.4 86.2#
101 3.2 8.0 12.0#
130 0.0 16.9 25.3#

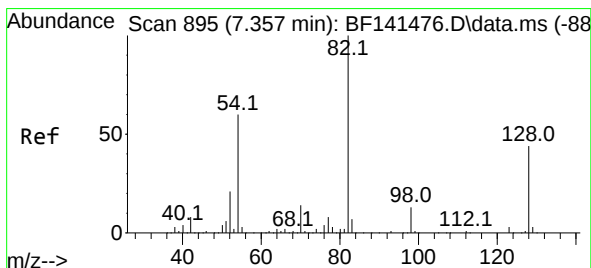
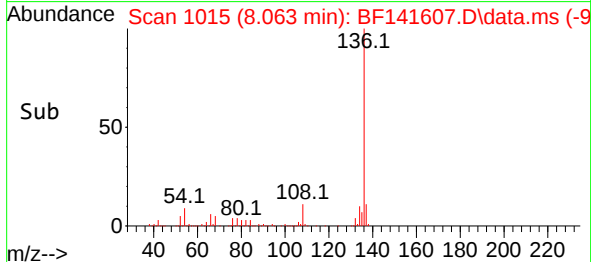
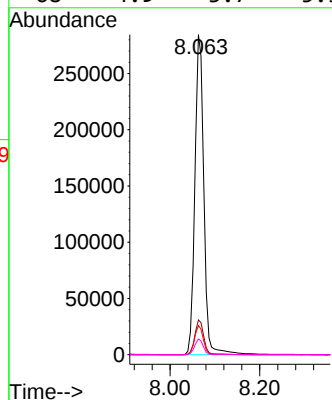
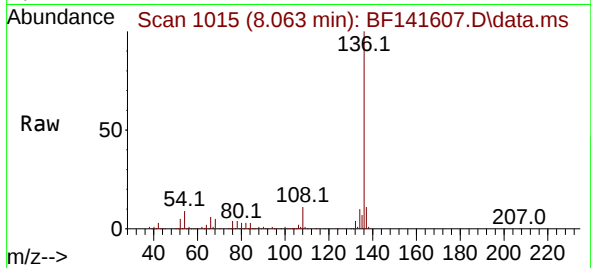




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

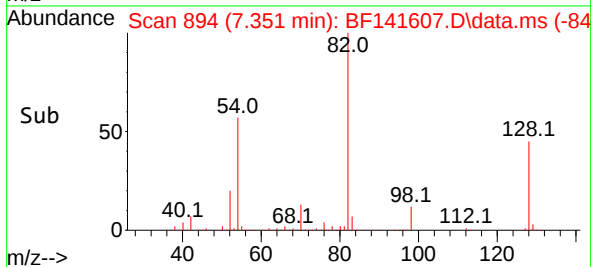
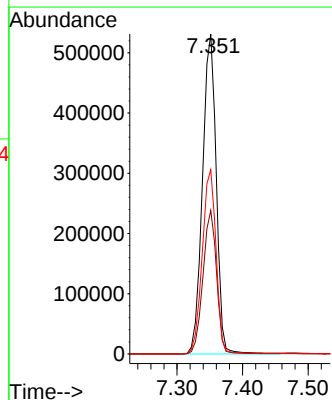
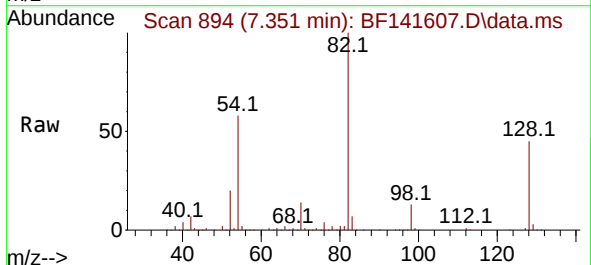
Instrument :
BNA_F
ClientSampleId :
WC-14RE

Tgt Ion:136 Resp: 394158
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.2 10.8
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 102.890 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.011 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 82 Resp: 777535
Ion Ratio Lower Upper
82 100
128 44.9 34.8 52.2
54 57.6 48.2 72.4

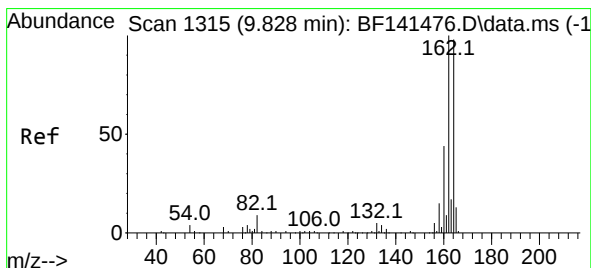
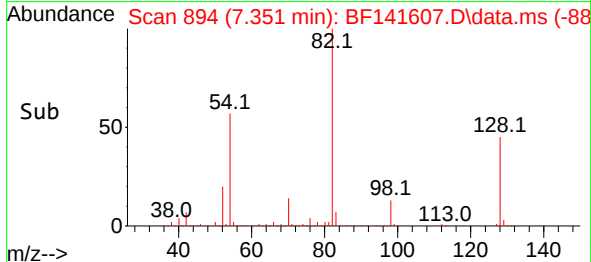
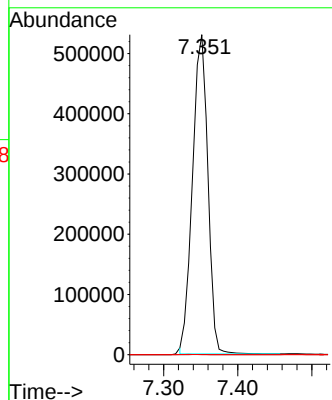
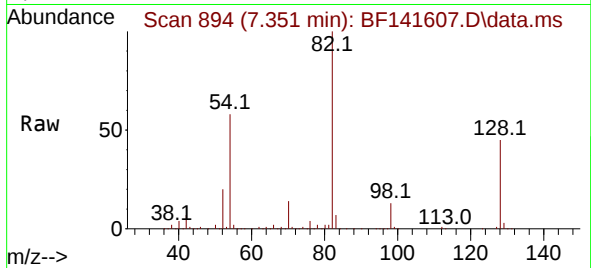




#25
Isophorone
Concen: 63.245 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

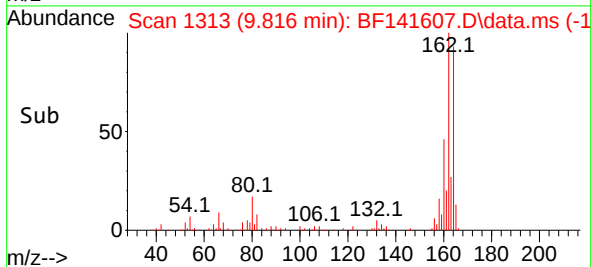
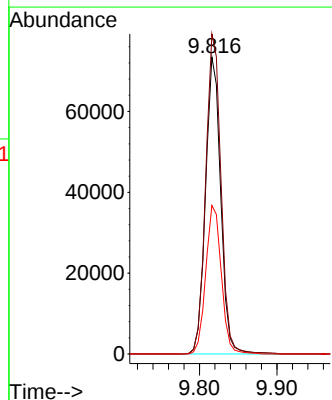
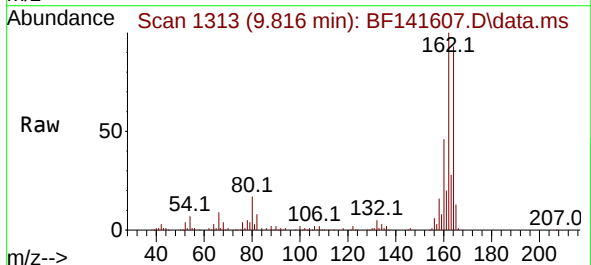
Instrument :
BNA_F
ClientSampleId :
WC-14RE

Tgt Ion: 82 Resp: 762058
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. -0.017 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

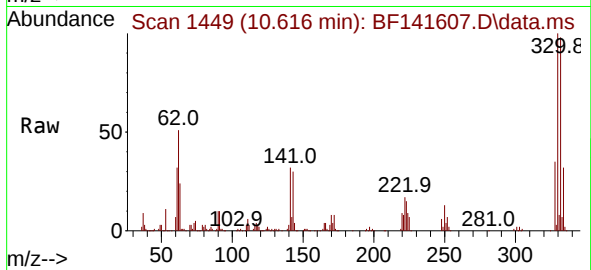
Tgt Ion:164 Resp: 99681
Ion Ratio Lower Upper
164 100
162 107.7 81.3 121.9
160 50.0 35.9 53.9



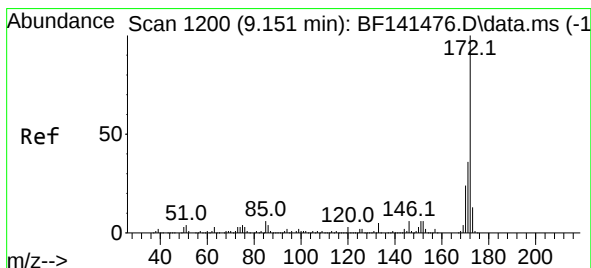
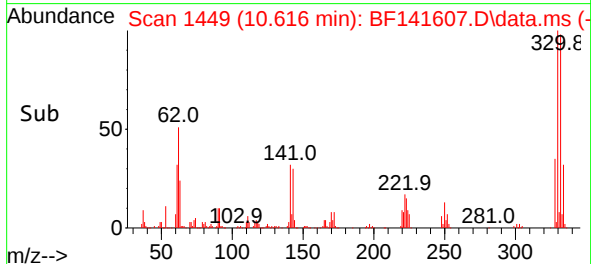
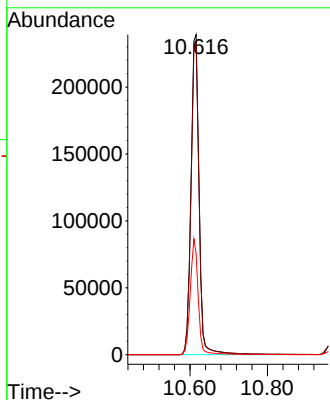


#42
2,4,6-Tribromophenol
Concen: 346.991 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

Instrument :
BNA_F
ClientSampleId :
WC-14RE

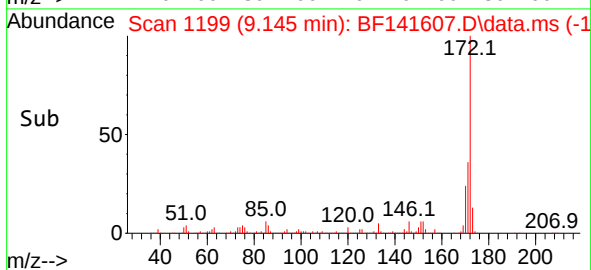
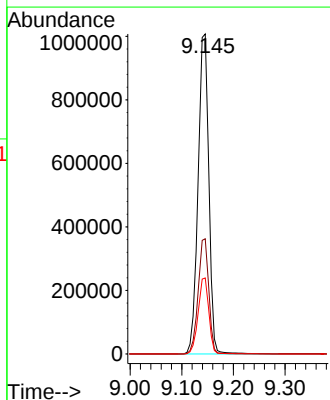
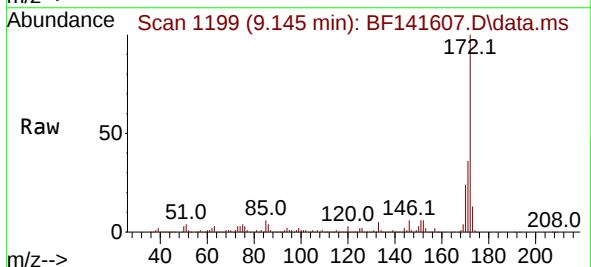


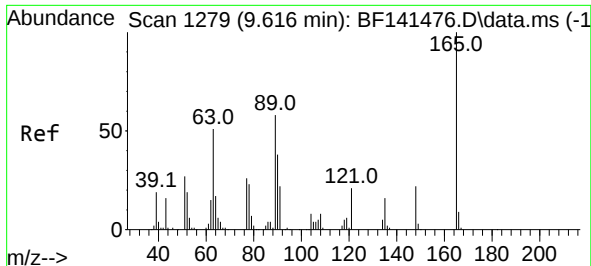
Tgt Ion:330 Resp: 347456
Ion Ratio Lower Upper
330 100
332 97.2 78.5 117.7
141 35.7 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 225.215 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

Tgt Ion:172 Resp: 1457161
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.8 18.9 28.3

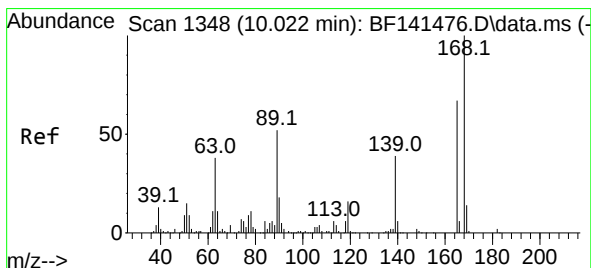
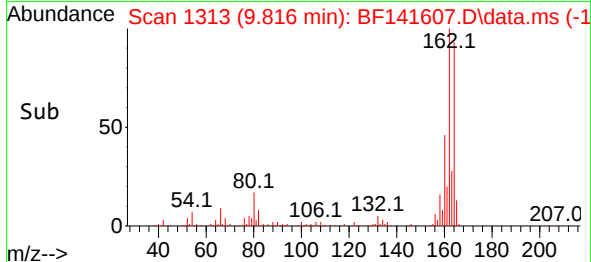
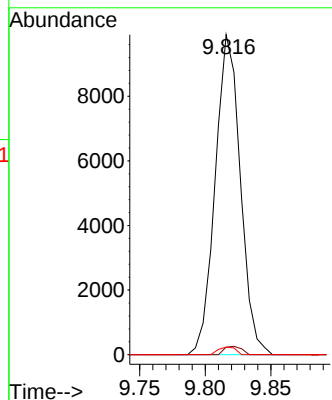
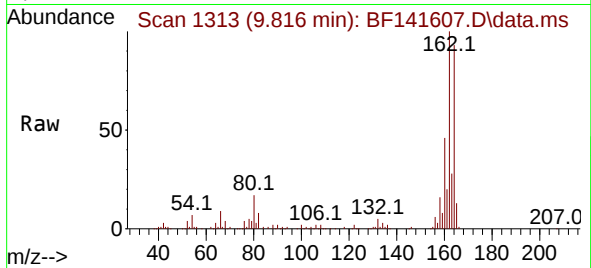




#51
2,6-Dinitrotoluene
Concen: 8.922 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

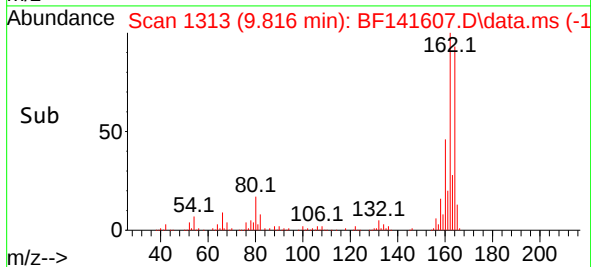
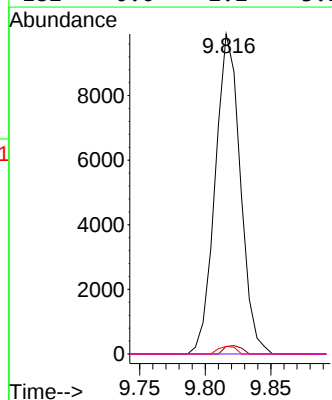
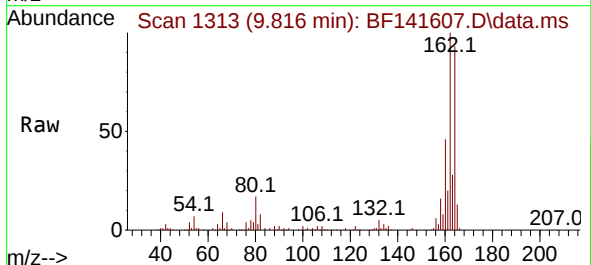
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BNA_F
ClientSampleId :
WC-14RE

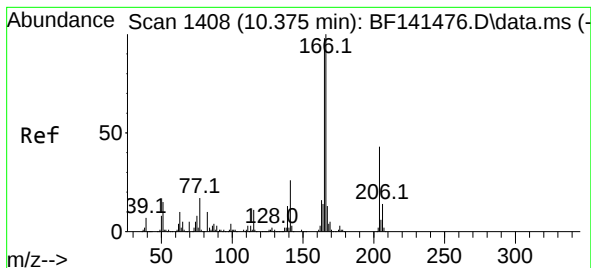
Tgt Ion:165 Resp: 13199
Ion Ratio Lower Upper
165 100
63 2.4 49.4 74.0#
89 2.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.702 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.211 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

Tgt Ion:165 Resp: 13199
Ion Ratio Lower Upper
165 100
63 2.4 46.4 69.6#
89 2.3 61.8 92.6#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.126 ng

RT: 10.610 min Scan# 1408

Delta R.T. 0.230 min

Lab File: BF141607.D

Acq: 13 Feb 2025 11:58

Instrument :

BNA_F

ClientSampleId :

WC-14RE

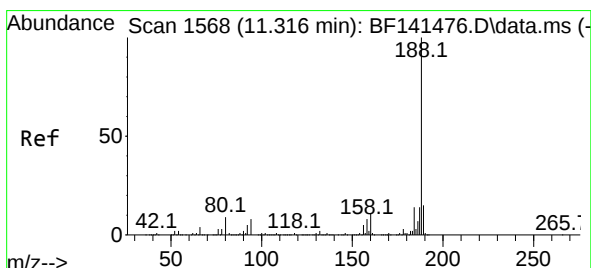
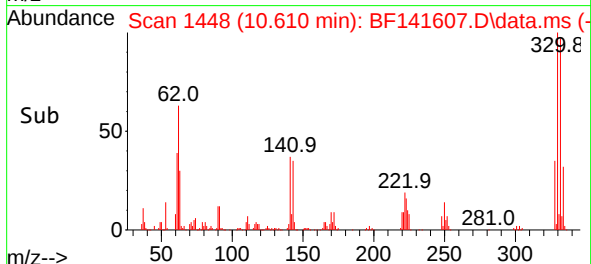
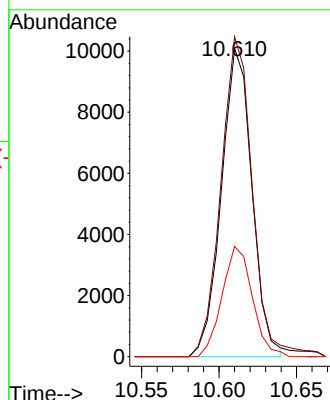
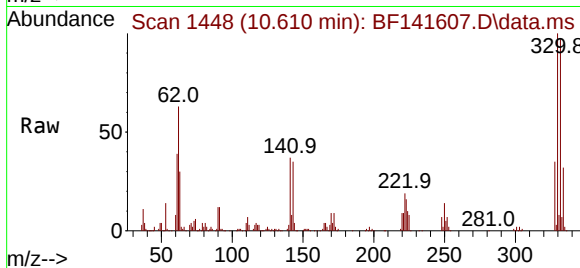
Tgt Ion:166 Resp: 13789

Ion Ratio Lower Upper

166 100

165 103.8 78.2 117.2

167 35.7 10.7 16.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1566

Delta R.T. -0.011 min

Lab File: BF141607.D

Acq: 13 Feb 2025 11:58

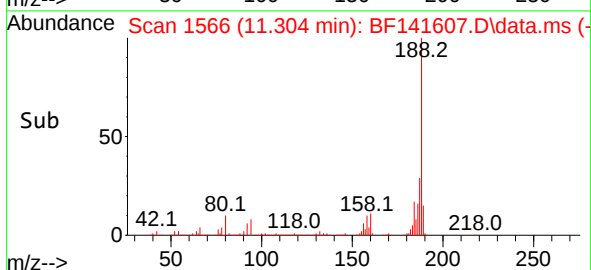
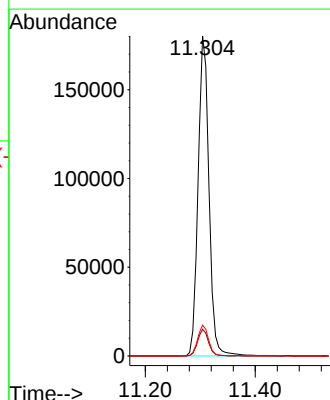
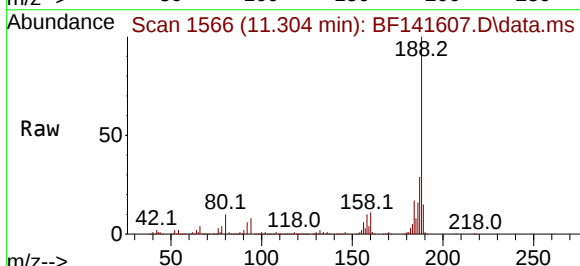
Tgt Ion:188 Resp: 248028

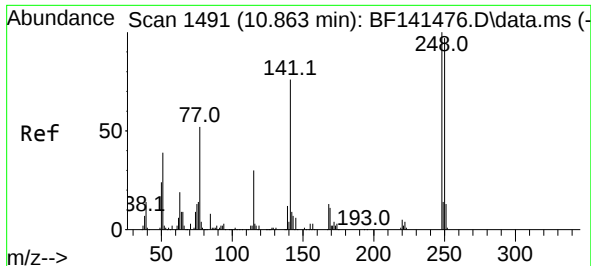
Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.7 7.3 10.9

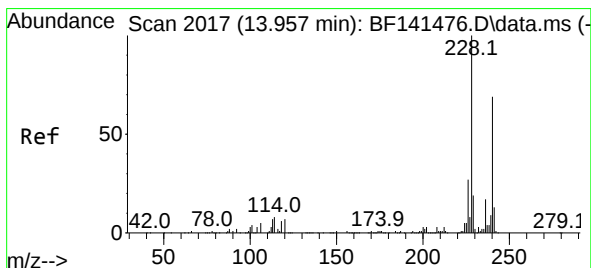
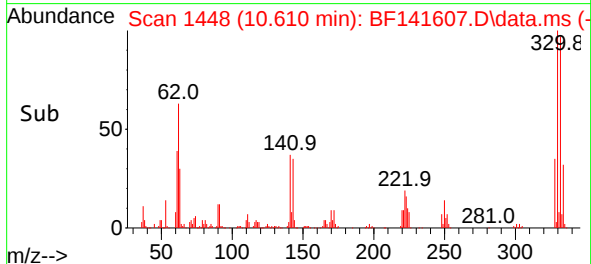
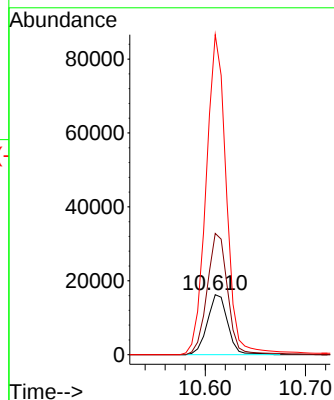
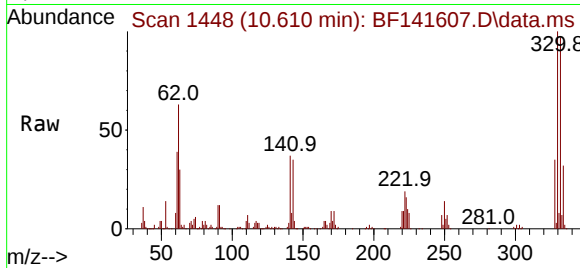




#67
4-Bromophenyl-phenylether
Concen: 8.277 ng
RT: 10.610 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

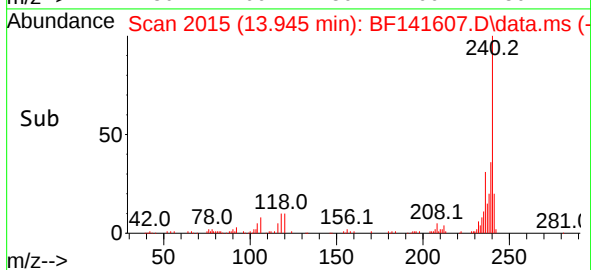
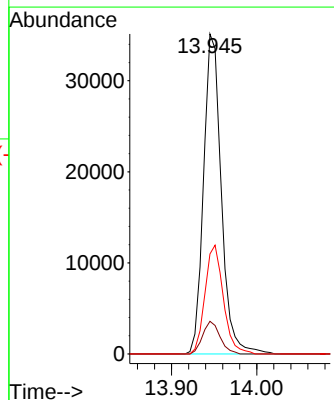
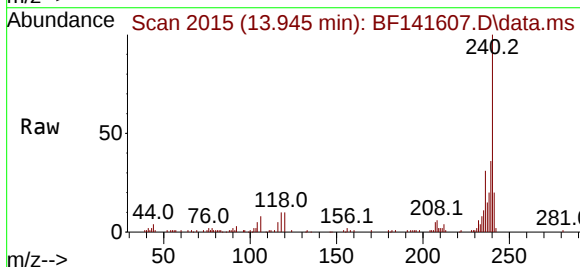
Instrument :
BNA_F
ClientSampleId :
WC-14RE

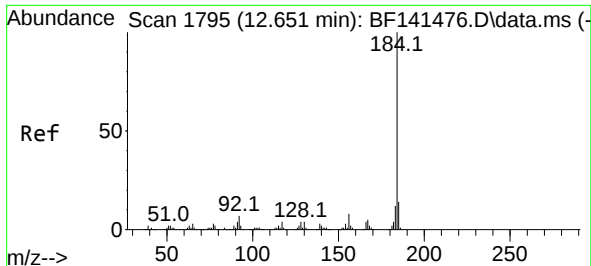
Tgt Ion:248 Resp: 22944
Ion Ratio Lower Upper
248 100
250 202.1 77.8 116.6#
141 533.1 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

Tgt Ion:240 Resp: 50758
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 31.2 19.8 29.8#

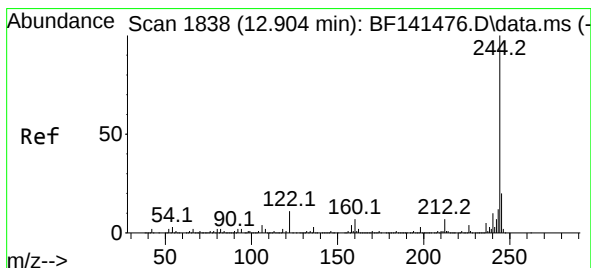
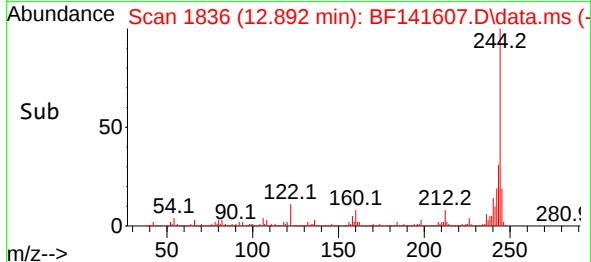
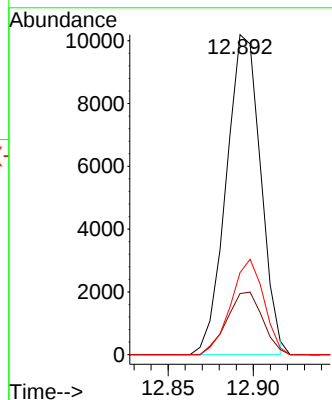
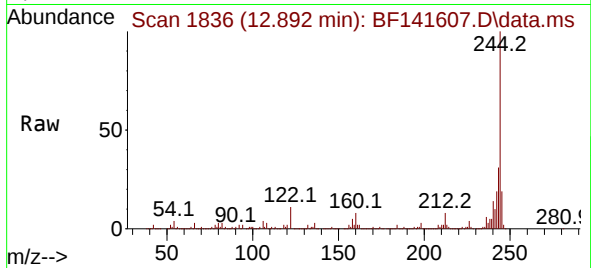




#77
Benzidine
Concen: 12.802 ng
RT: 12.892 min Scan# 1836
Delta R.T. 0.236 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

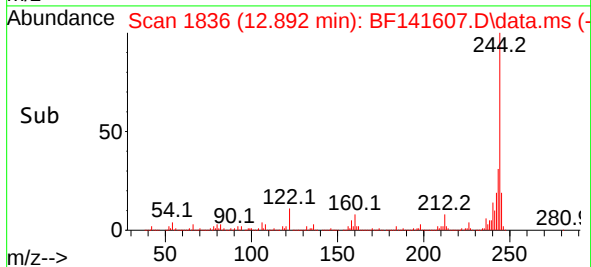
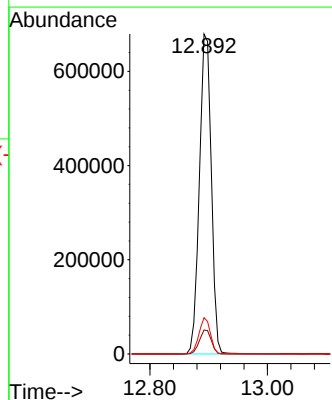
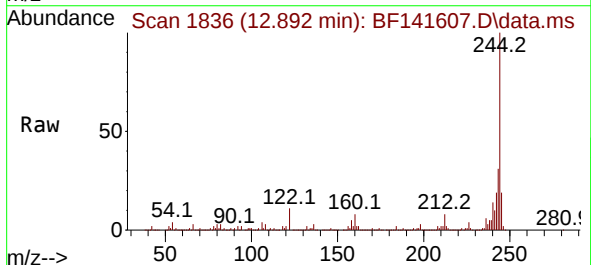
Instrument :
BNA_F
ClientSampleId :
WC-14RE

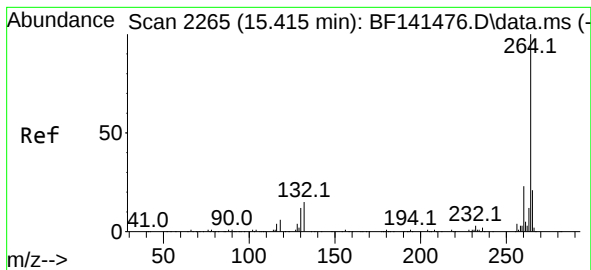
Tgt Ion:184 Resp: 14331
Ion Ratio Lower Upper
184 100
185 19.1 11.3 16.9#
183 25.6 9.3 13.9#



#79
Terphenyl-d14
Concen: 317.185 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.011 min
Lab File: BF141607.D
Acq: 13 Feb 2025 11:58

Tgt Ion:244 Resp: 953674
Ion Ratio Lower Upper
244 100
212 7.5 5.6 8.4
122 11.4 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141607.D

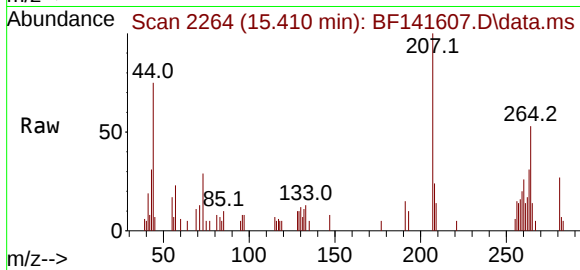
Acq: 13 Feb 2025 11:58

Instrument :

BNA_F

ClientSampleId :

WC-14RE



Tgt Ion:264 Resp: 3352

Ion Ratio Lower Upper

264 100

260 49.2 18.6 28.0#

265 26.7 17.0 25.4#

