

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141586.D
 Acq On : 12 Feb 2025 13:32
 Operator : RC/JU
 Sample : Q1309-24RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-8RE

Quant Time: Feb 12 13:55:16 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)

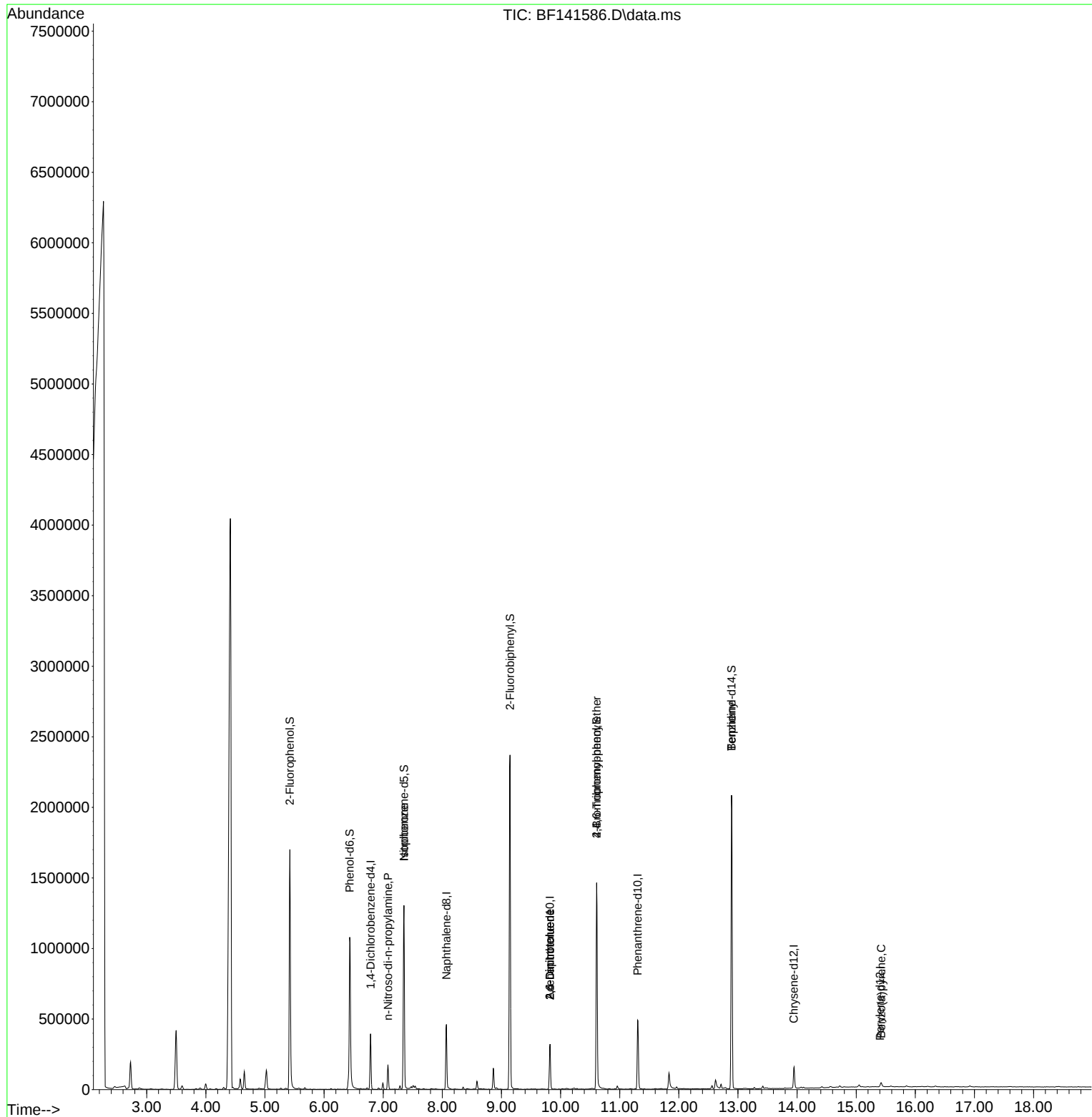
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79396	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	310320	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	87678	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	228671	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	52829	20.000	ng	#-0.02
86) Perylene-d12	15.404	264	2105	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	653922	129.123	ng	0.01
7) Phenol-d6	6.434	99	466547	72.887	ng	0.00
23) Nitrobenzene-d5	7.351	82	587279	98.709	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	245717	278.981	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1091817	191.850	ng	0.00
79) Terphenyl-d14	12.892	244	896018	286.326	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.081	70	10292	2.688	ng	# 36
25) Isophorone	7.351	82	567468	59.819	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	10537	8.098	ng	# 24
57) 2,4-Dinitrotoluene	9.822	165	10537	6.083	ng	# 20
67) 4-Bromophenyl-phenylether	10.610	248	16849	6.593	ng	# 1
77) Benzidine	12.892	184	13406	11.506	ng	# 90
90) Benzo(a)pyrene	15.421	252	566	4.949	ng	# 1

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

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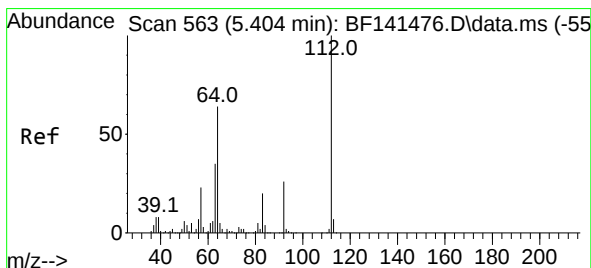
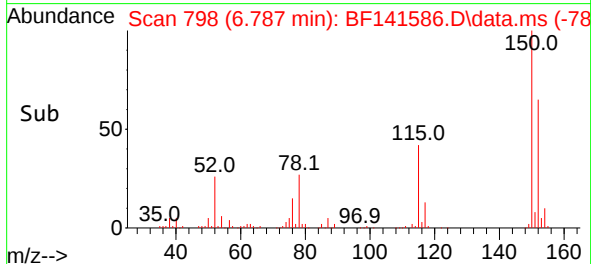
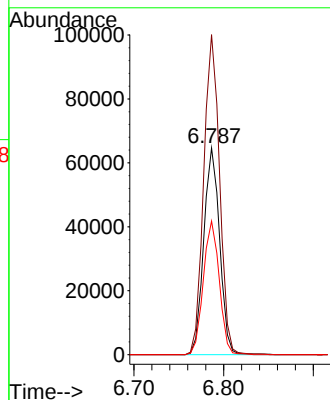
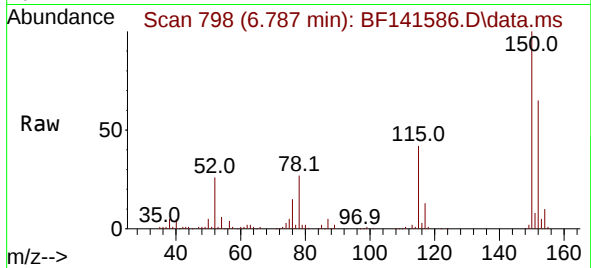




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141586.D
 Acq: 12 Feb 2025 13:32

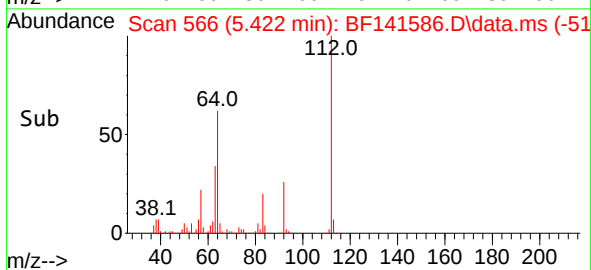
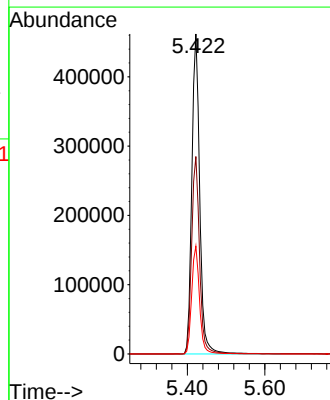
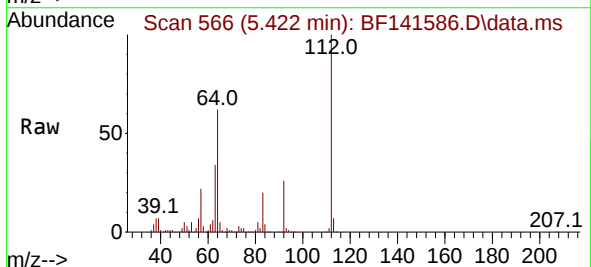
Instrument :
 BNA_F
 ClientSampleId :
 WC-8RE

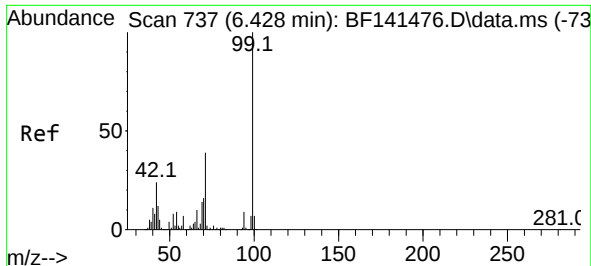
Tgt Ion:152 Resp: 79396
 Ion Ratio Lower Upper
 152 100
 150 154.7 125.0 187.4
 115 64.6 53.6 80.4



#5
 2-Fluorophenol
 Concen: 129.123 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141586.D
 Acq: 12 Feb 2025 13:32

Tgt Ion:112 Resp: 653922
 Ion Ratio Lower Upper
 112 100
 64 61.7 51.1 76.7
 63 33.7 28.4 42.6

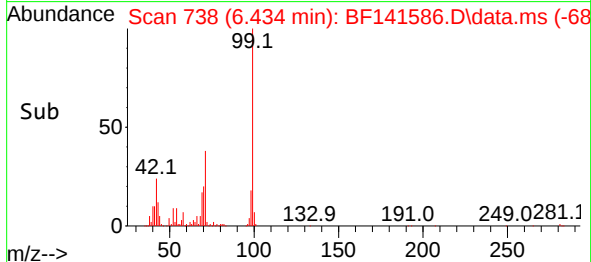
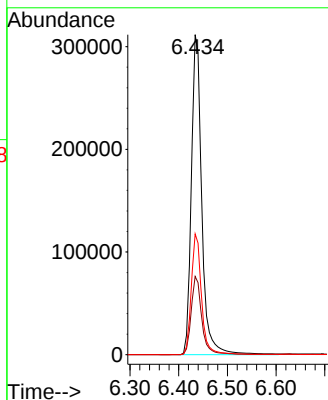
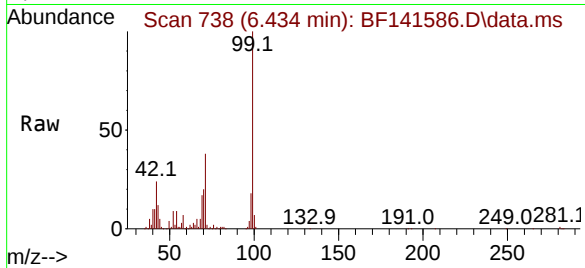




#7
Phenol-d6
Concen: 72.887 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

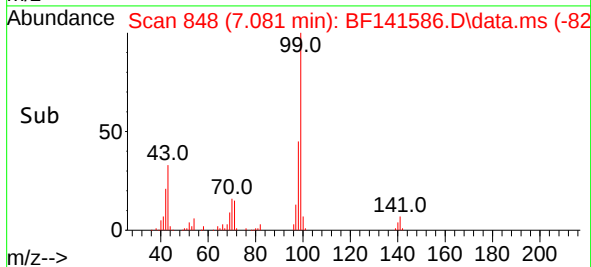
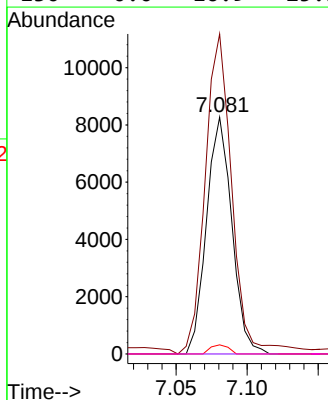
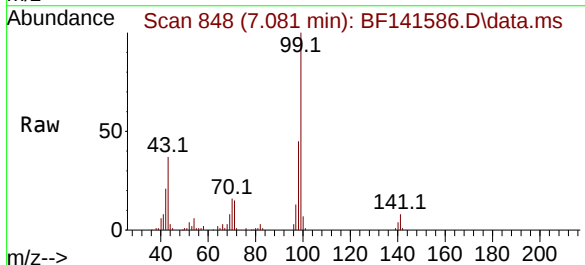
Instrument :
BNA_F
ClientSampleId :
WC-8RE

Tgt Ion: 99 Resp: 466547
Ion Ratio Lower Upper
99 100
42 24.5 19.1 28.7
71 37.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.688 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.135 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

Tgt Ion: 70 Resp: 10292
Ion Ratio Lower Upper
70 100
42 135.1 57.4 86.2#
101 3.8 8.0 12.0#
130 0.0 16.9 25.3#



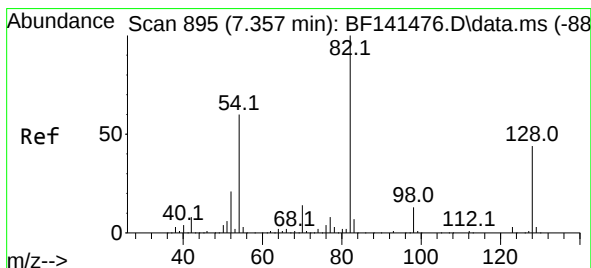
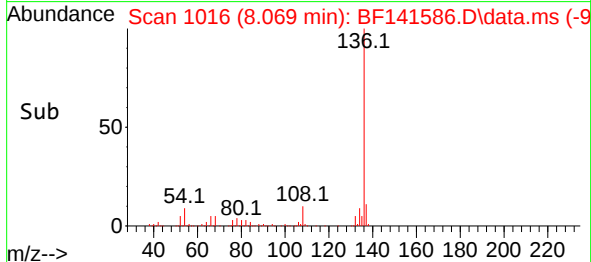
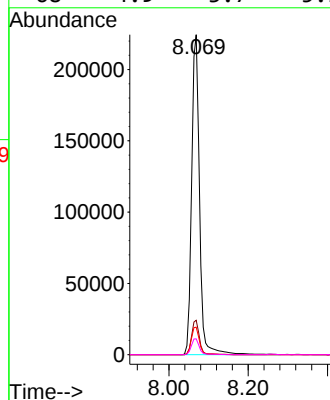
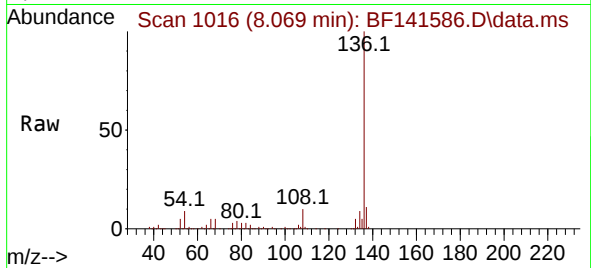


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

Instrument :
BNA_F
ClientSampleId :
WC-8RE

Tgt Ion:136 Resp: 310320

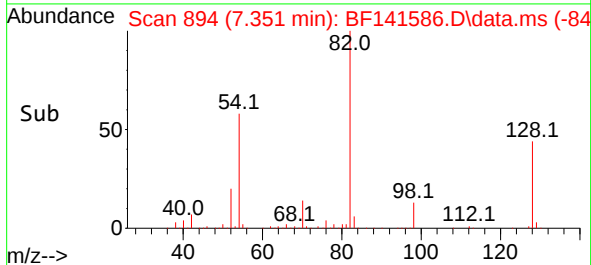
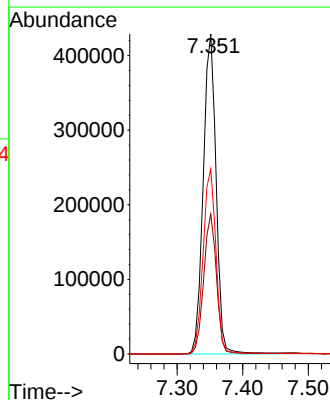
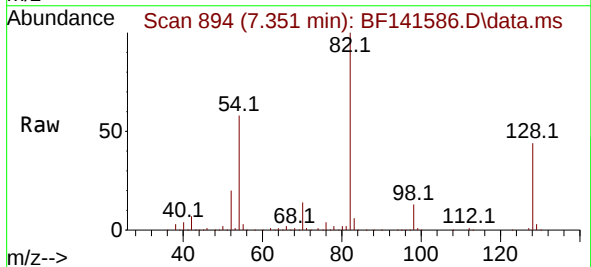
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.6	7.2	10.8
68	4.9	3.7	5.5



#23
Nitrobenzene-d5
Concen: 98.709 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

Tgt Ion: 82 Resp: 587279

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.8	52.2
54	57.8	48.2	72.4

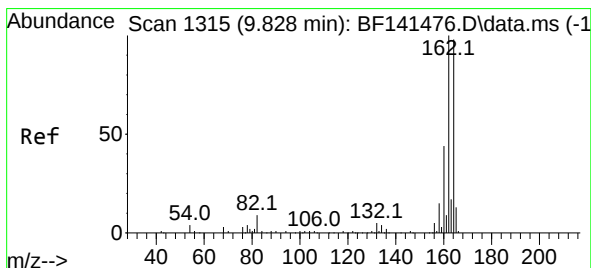
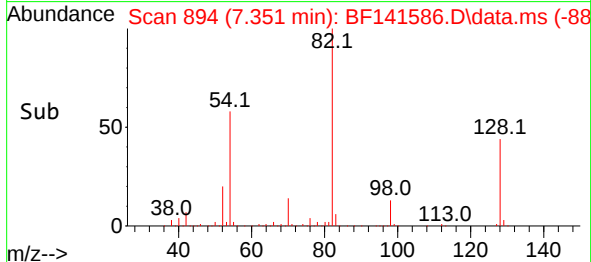
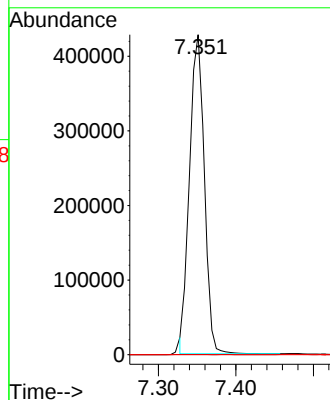
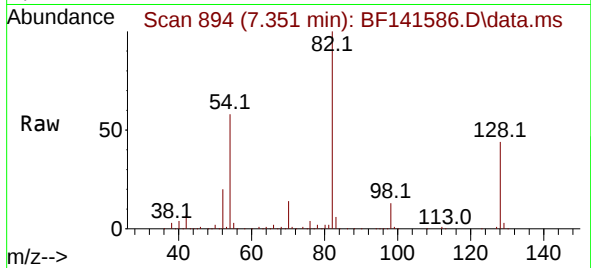




#25
Isophorone
Concen: 59.819 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

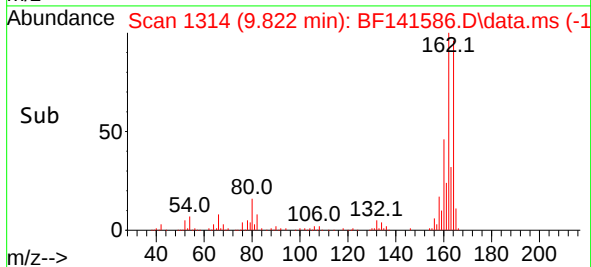
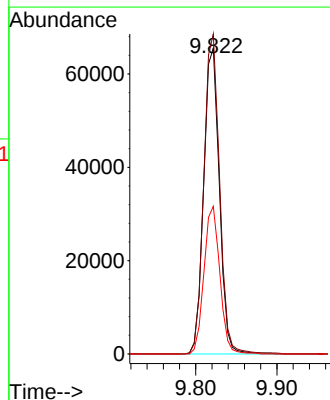
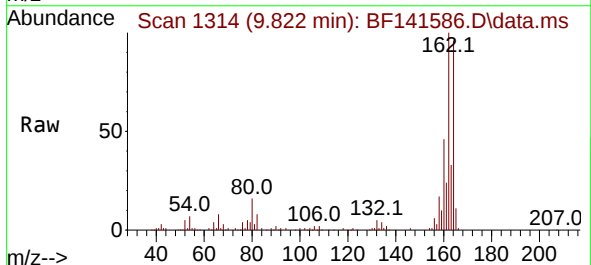
Instrument :
BNA_F
ClientSampleId :
WC-8RE

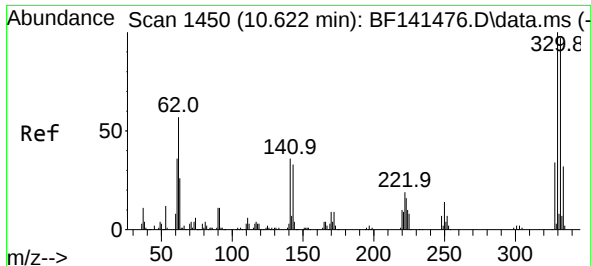
Tgt Ion: 82 Resp: 567468
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

Tgt Ion:164 Resp: 87678
Ion Ratio Lower Upper
164 100
162 104.6 81.3 121.9
160 48.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 278.981 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF141586.D

Acq: 12 Feb 2025 13:32

Instrument :

BNA_F

ClientSampleId :

WC-8RE

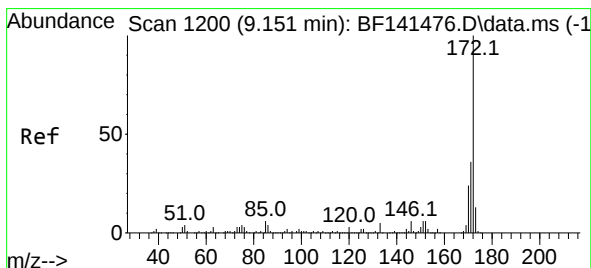
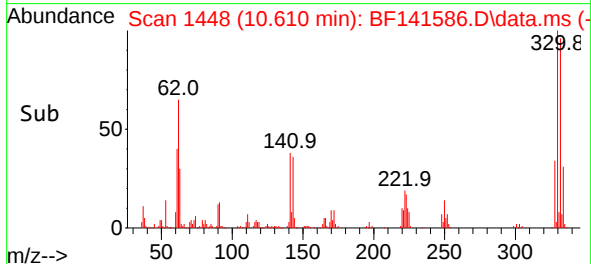
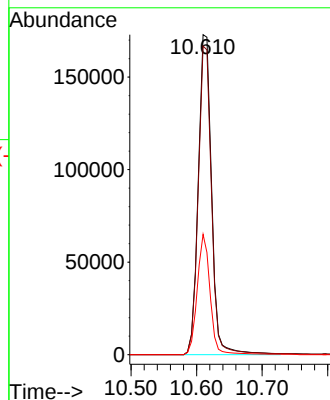
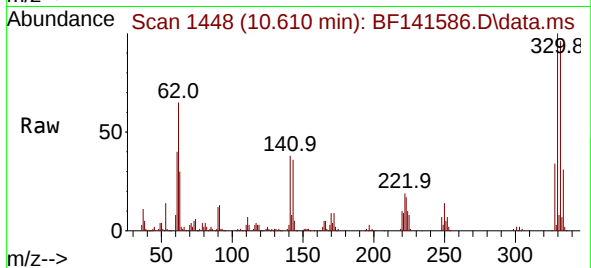
Tgt Ion:330 Resp: 245717

Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

141 36.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 191.850 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141586.D

Acq: 12 Feb 2025 13:32

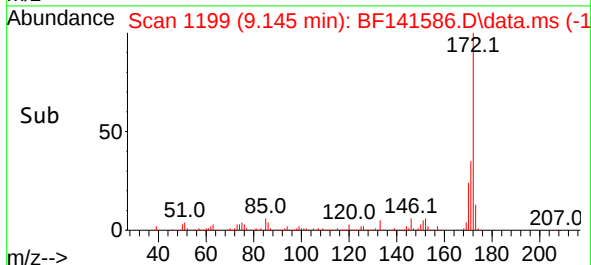
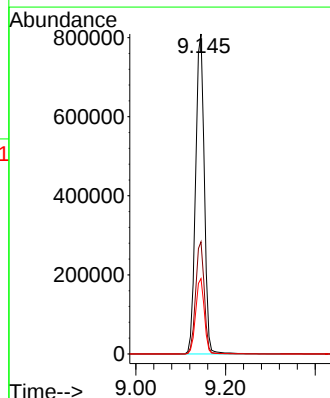
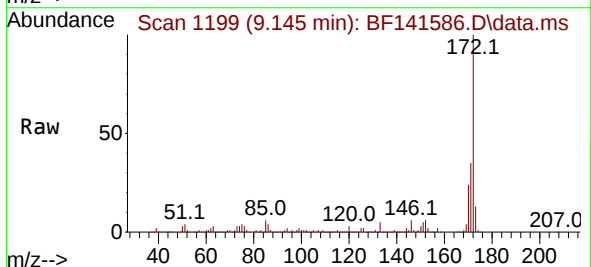
Tgt Ion:172 Resp: 1091817

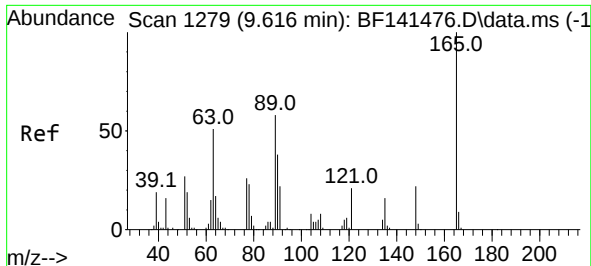
Ion Ratio Lower Upper

172 100

171 35.1 28.7 43.1

170 23.6 18.9 28.3

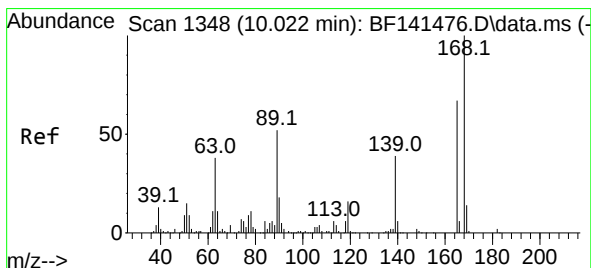
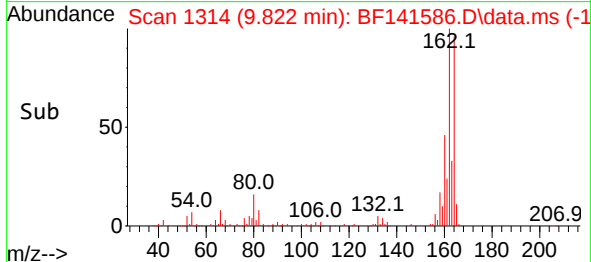
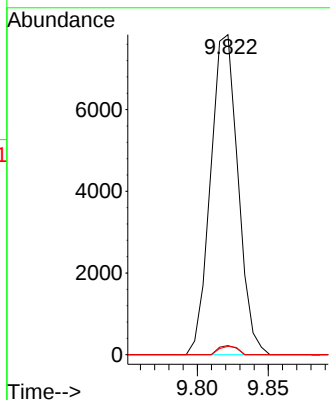
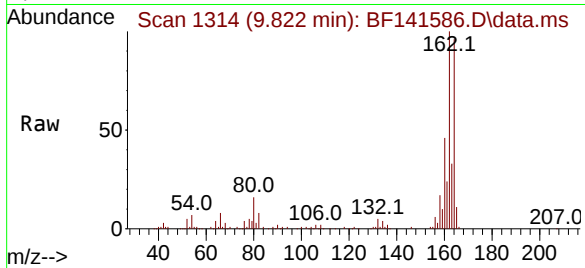




#51
2,6-Dinitrotoluene
Concen: 8.098 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

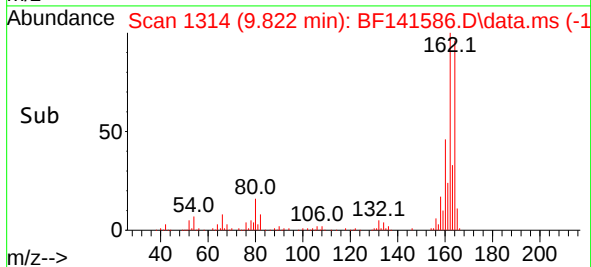
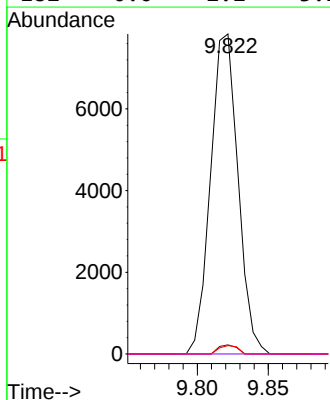
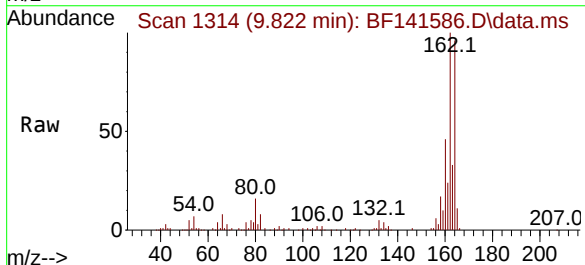
Instrument :
BNA_F
ClientSampleId :
WC-8RE

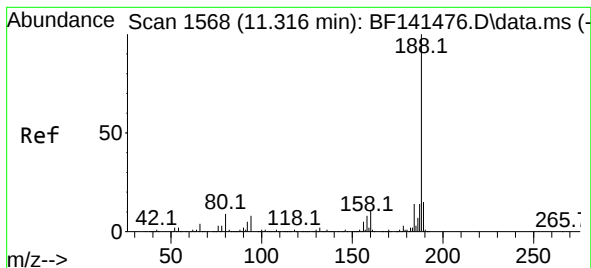
Tgt Ion:165 Resp: 10537
Ion Ratio Lower Upper
165 100
63 2.9 49.4 74.0#
89 2.6 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.083 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

Tgt Ion:165 Resp: 10537
Ion Ratio Lower Upper
165 100
63 2.9 46.4 69.6#
89 2.6 61.8 92.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141586.D

Acq: 12 Feb 2025 13:32

Instrument :

BNA_F

ClientSampleId :

WC-8RE

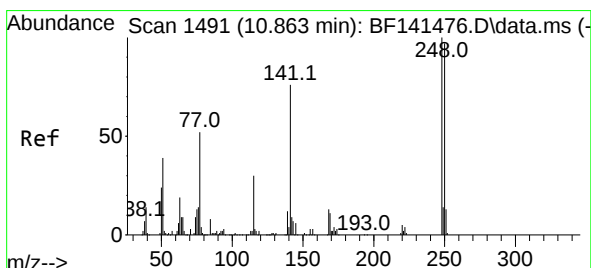
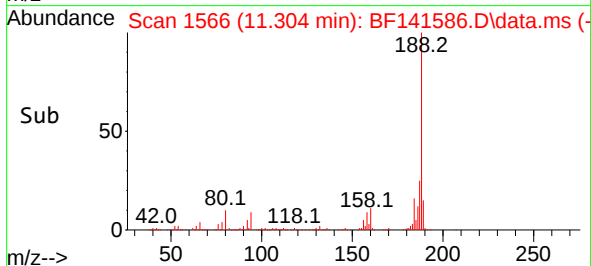
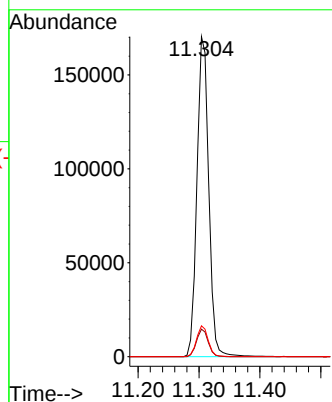
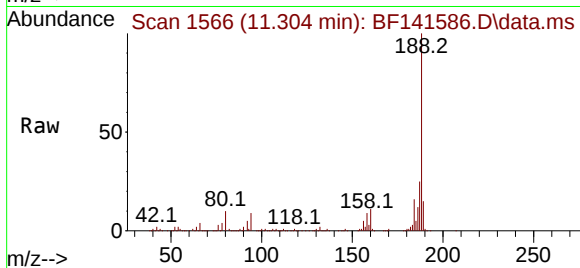
Tgt Ion:188 Resp: 228671

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.7 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 6.593 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141586.D

Acq: 12 Feb 2025 13:32

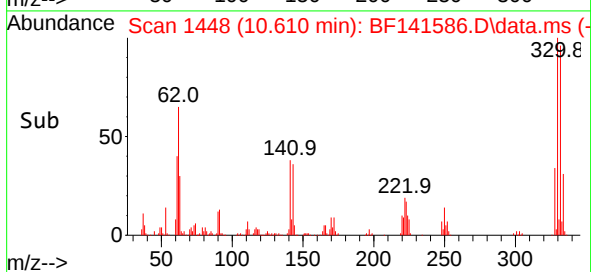
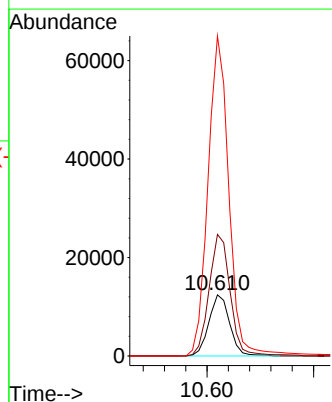
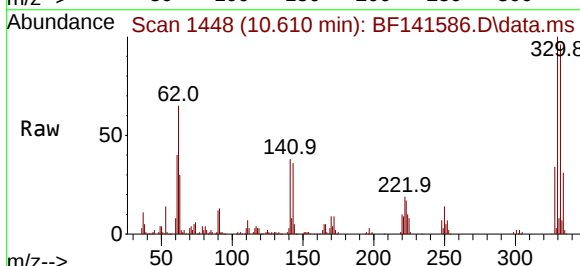
Tgt Ion:248 Resp: 16849

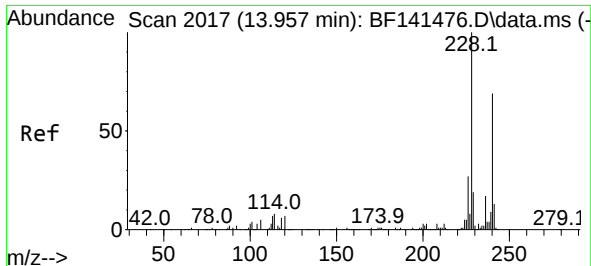
Ion Ratio Lower Upper

248 100

250 199.1 77.8 116.6#

141 524.2 60.6 90.8#

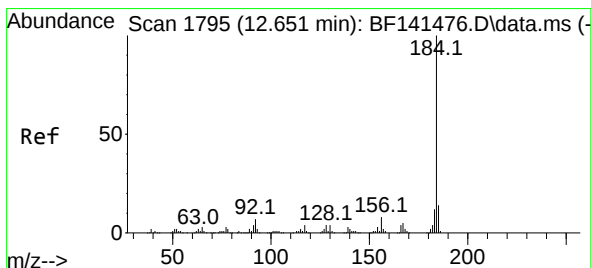
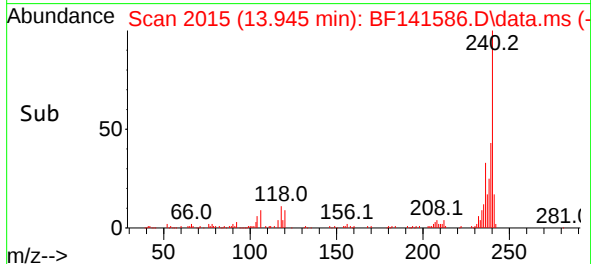
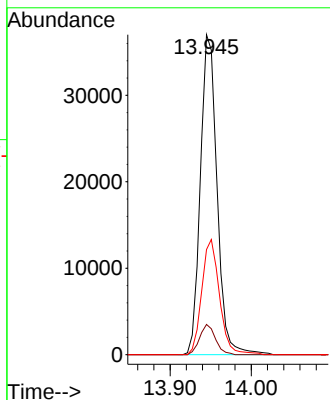
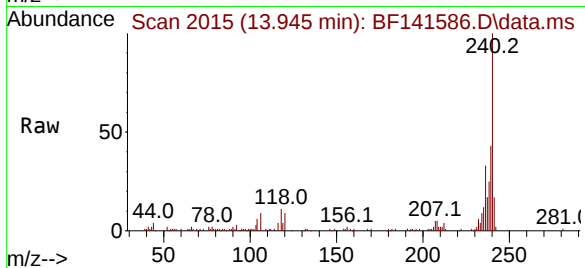




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

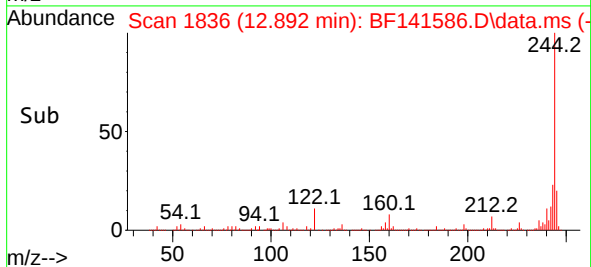
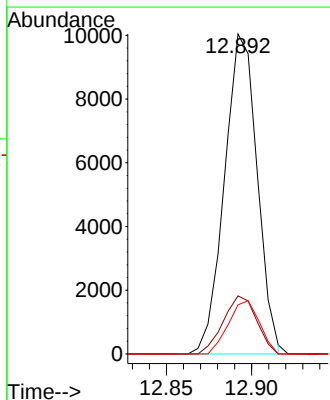
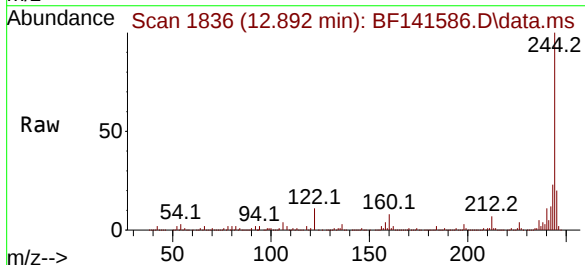
Instrument :
BNA_F
ClientSampleId :
WC-8RE

Tgt Ion:240 Resp: 52829
Ion Ratio Lower Upper
240 100
120 9.4 8.0 12.0
236 32.9 19.8 29.8#



#77
Benzidine
Concen: 11.506 ng
RT: 12.892 min Scan# 1836
Delta R.T. 0.235 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

Tgt Ion:184 Resp: 13406
Ion Ratio Lower Upper
184 100
185 18.2 11.3 16.9#
183 15.4 9.3 13.9#

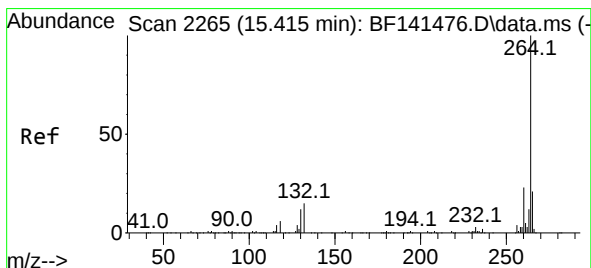
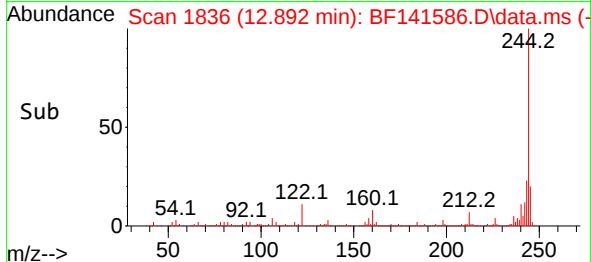
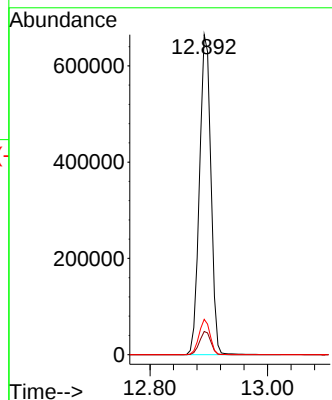
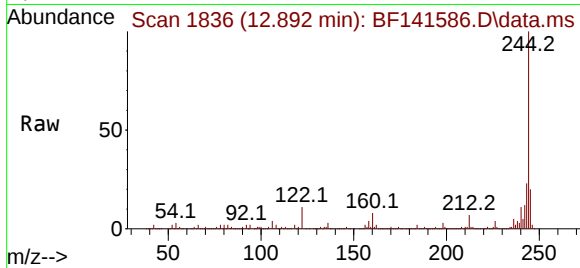




#79
 Terphenyl-d14
 Concen: 286.326 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141586.D
 Acq: 12 Feb 2025 13:32

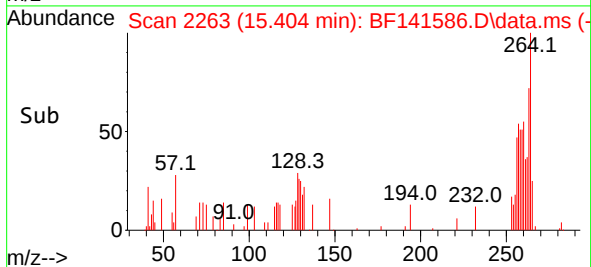
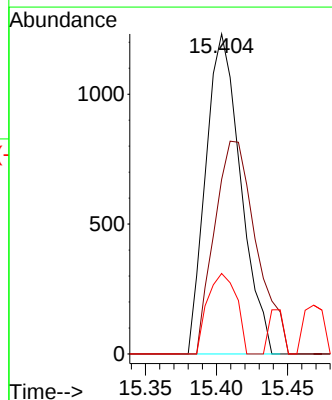
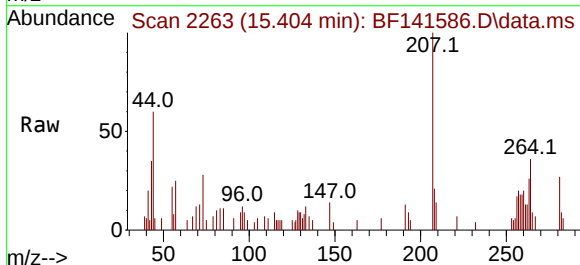
Instrument :
 BNA_F
 ClientSampleId :
 WC-8RE

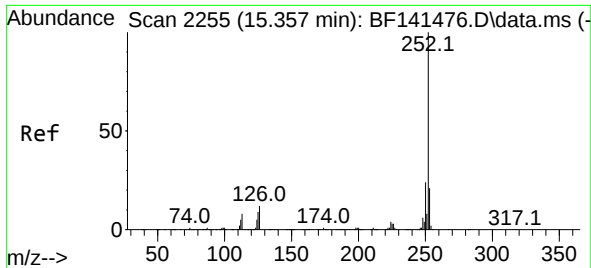
Tgt Ion:244 Resp: 896018
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 11.1 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2263
 Delta R.T. -0.012 min
 Lab File: BF141586.D
 Acq: 12 Feb 2025 13:32

Tgt Ion:264 Resp: 2105
 Ion Ratio Lower Upper
 264 100
 260 54.5 18.6 28.0#
 265 25.2 17.0 25.4





#90
Benzo(a)pyrene
Concen: 4.949 ng
RT: 15.421 min Scan# 21
Delta R.T. 0.059 min
Lab File: BF141586.D
Acq: 12 Feb 2025 13:32

Instrument :
BNA_F
ClientSampleId :
WC-8RE

Tgt Ion:252 Resp: 566
Ion Ratio Lower Upper
252 100
253 161.0 17.1 25.7#
125 76.0 7.4 11.2#

