

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141386.D
 Acq On : 03 Feb 2025 23:04
 Operator : RC/JU
 Sample : Q1271-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Quant Time: Feb 04 00:20:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

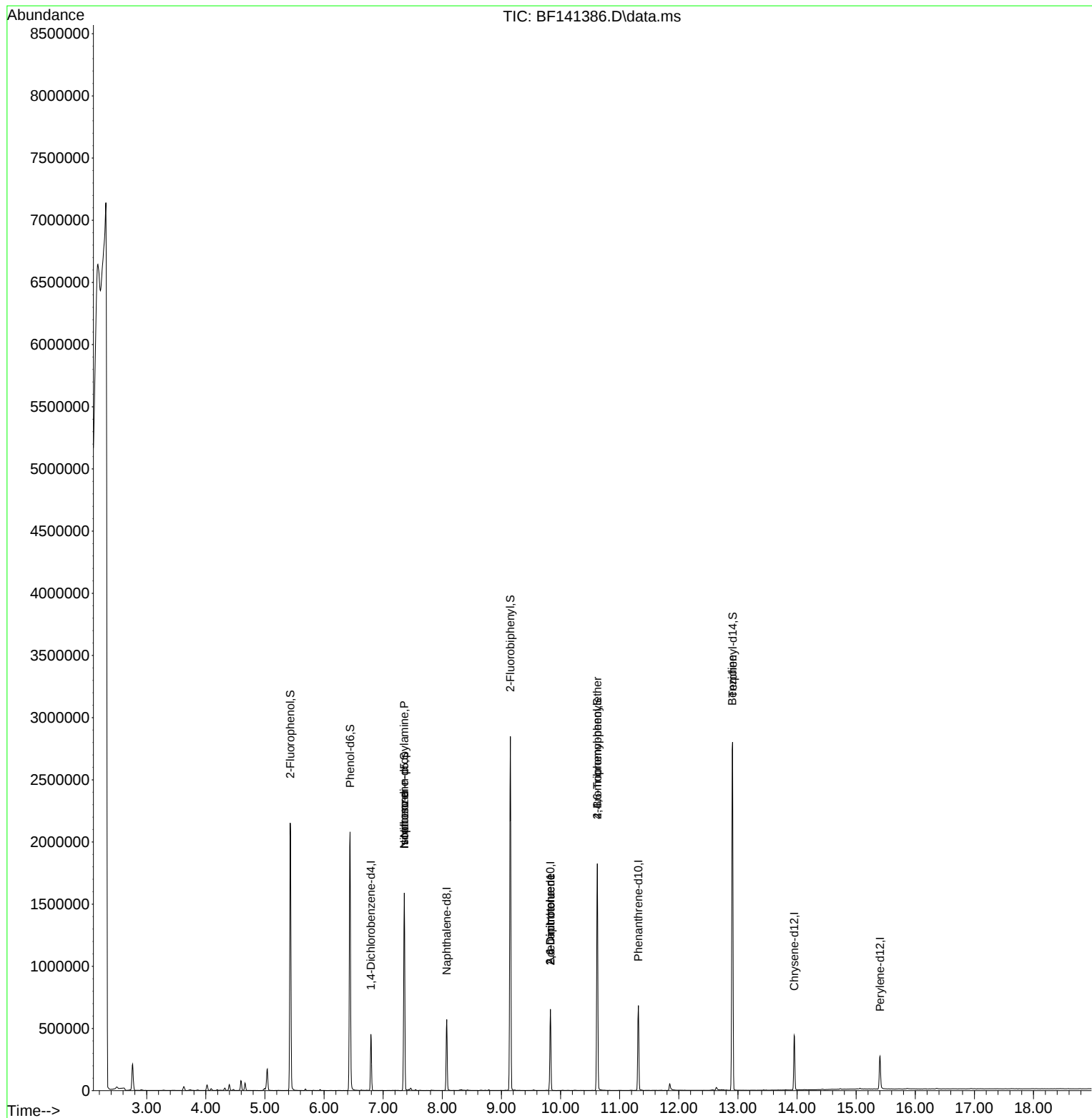
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	90075	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	358336	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	194093	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	340981	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	218881	20.000	ng	-0.02
86) Perylene-d12	15.404	264	160575	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	791860	134.961	ng	0.02
7) Phenol-d6	6.440	99	963021	129.023	ng	0.00
23) Nitrobenzene-d5	7.357	82	708231	104.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	299655	168.404	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1275494	101.149	ng	-0.01
79) Terphenyl-d14	12.910	244	1477027	104.068	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.357	70	97842	22.061	ng	# 75
25) Isophorone	7.357	82	702465	59.784	ng	# 64
51) 2,6-Dinitrotoluene	9.828	165	25207	8.282	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	25207	6.396	ng	# 23
67) 4-Bromophenyl-phenylether	10.622	248	20930	5.483	ng	# 1
77) Benzidine	12.904	184	17907	2.552	ng	# 91

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

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Quant Time: Feb 04 00:20:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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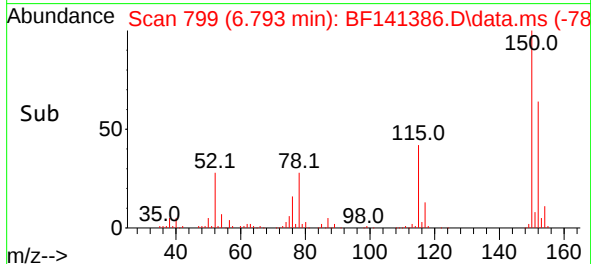
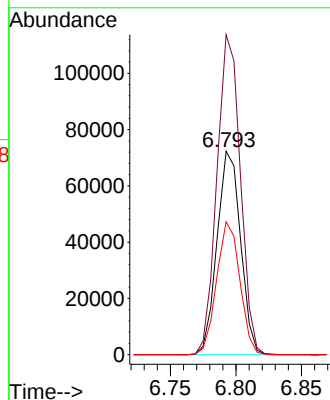
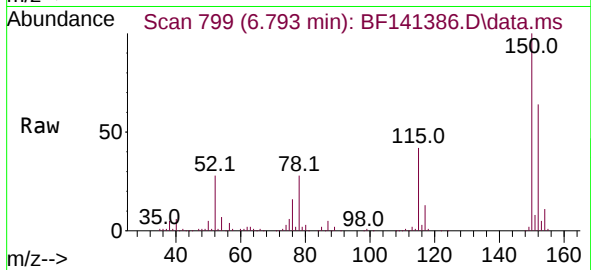




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

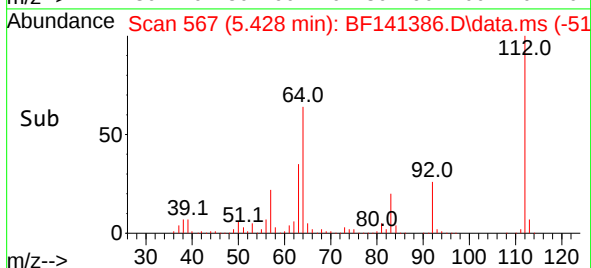
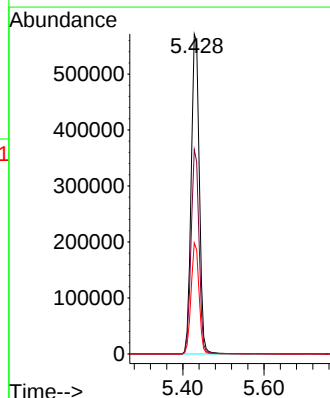
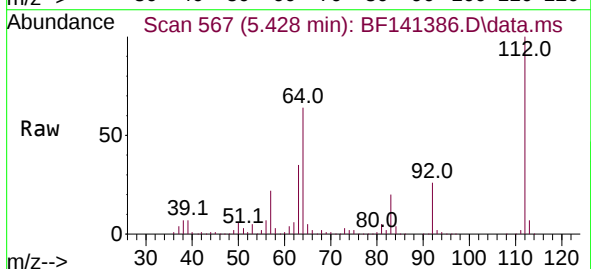
Instrument :
BNA_F
ClientSampleId :
RBR200030

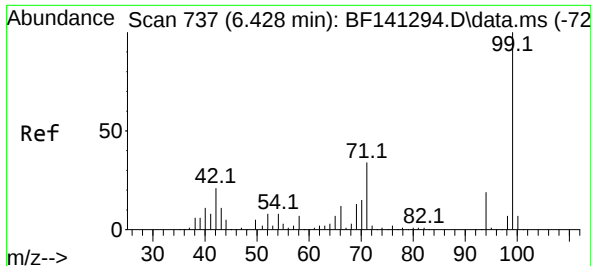
Tgt Ion:152 Resp: 90075
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 65.4 49.7 74.5



#5
2-Fluorophenol
Concen: 134.961 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

Tgt Ion:112 Resp: 791860
Ion Ratio Lower Upper
112 100
64 63.8 49.8 74.8
63 34.7 26.1 39.1

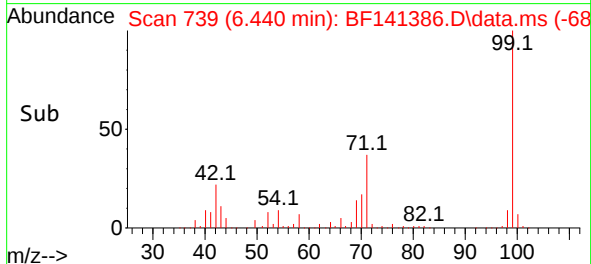
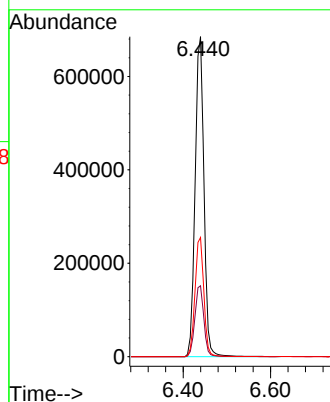
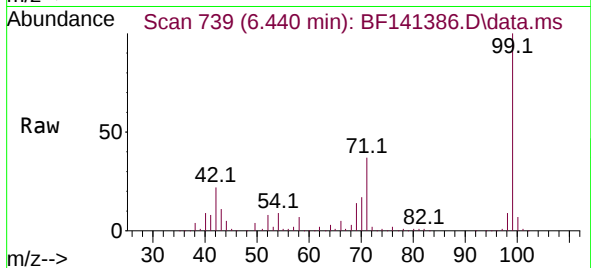




#7
Phenol-d6
Concen: 129.023 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

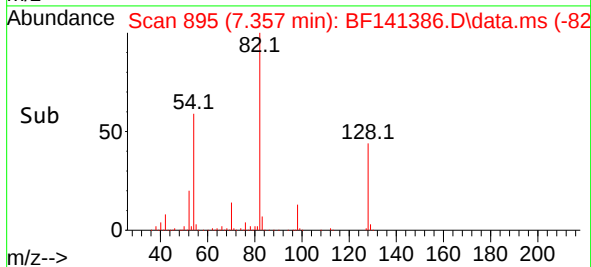
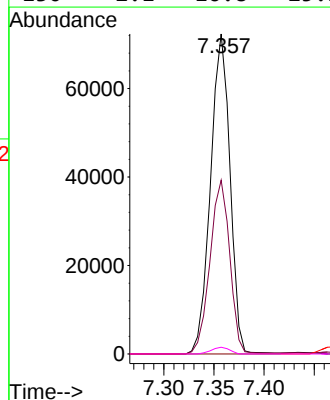
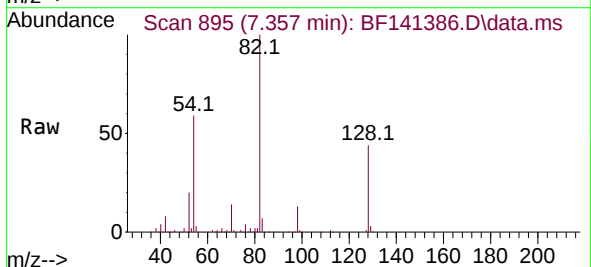
Instrument :
BNA_F
ClientSampleId :
RBR200030

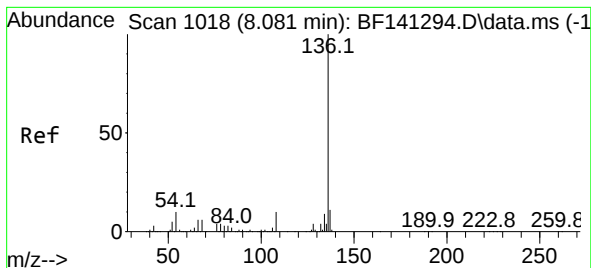
Tgt Ion: 99 Resp: 963021
Ion Ratio Lower Upper
99 100
42 22.1 17.1 25.7
71 37.3 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 22.061 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

Tgt Ion: 70 Resp: 97842
Ion Ratio Lower Upper
70 100
42 54.3 56.8 85.2#
101 0.0 7.7 11.5#
130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141386.D

Acq: 03 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

RBR200030

Tgt Ion:136 Resp: 358336

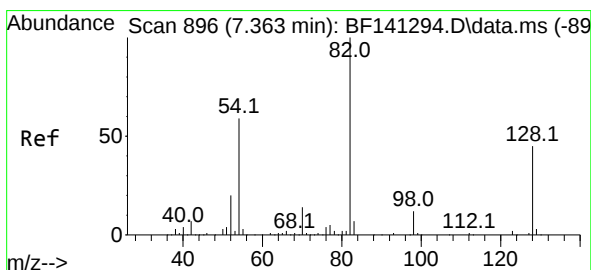
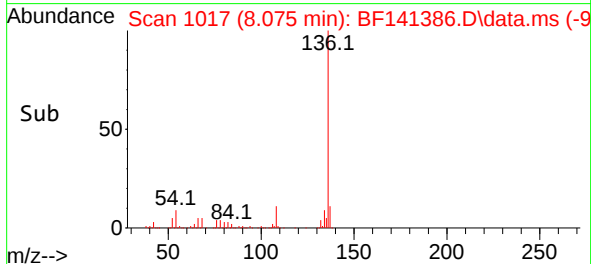
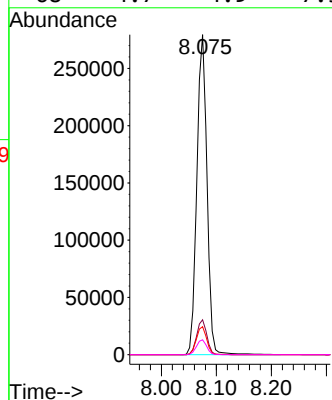
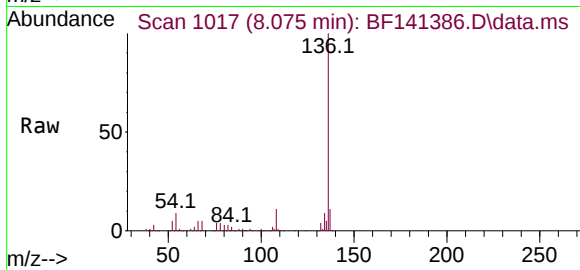
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.8 7.8 11.8

68 4.7 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 104.191 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141386.D

Acq: 03 Feb 2025 23:04

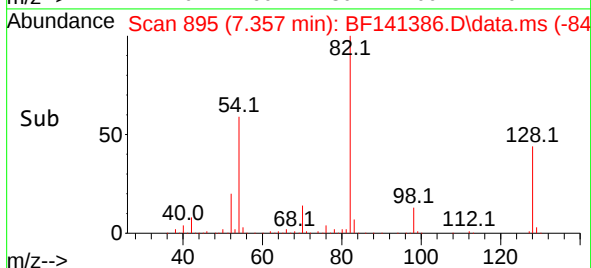
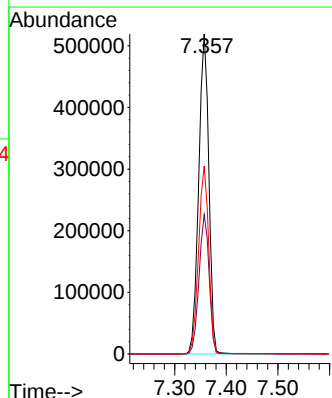
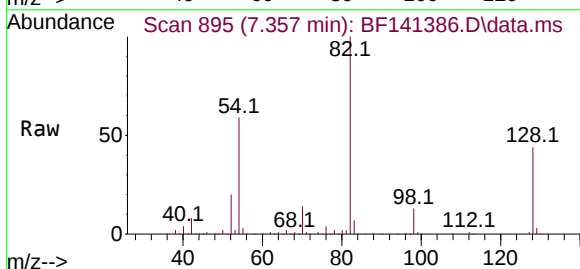
Tgt Ion: 82 Resp: 708231

Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 58.7 47.1 70.7

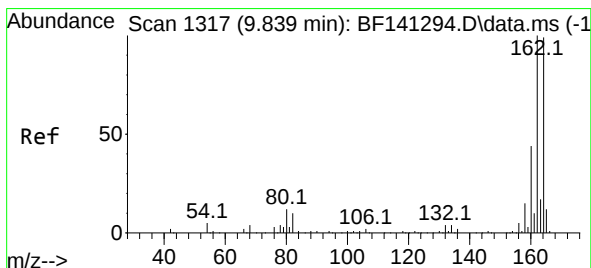
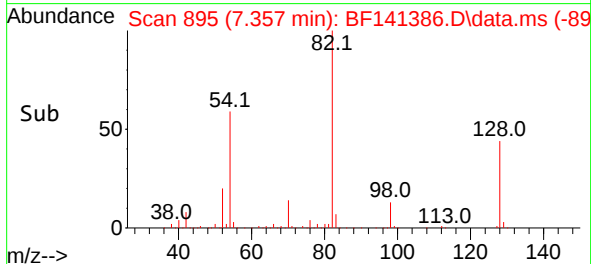
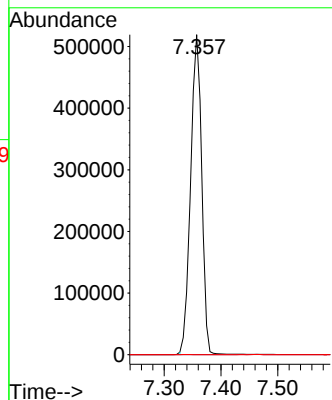
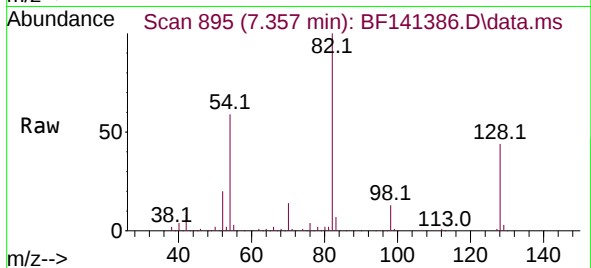




#25
Isophorone
Concen: 59.784 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

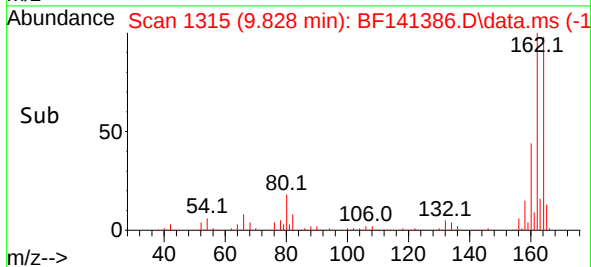
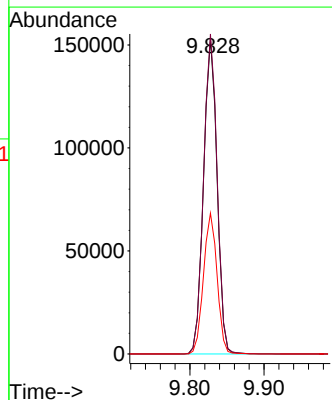
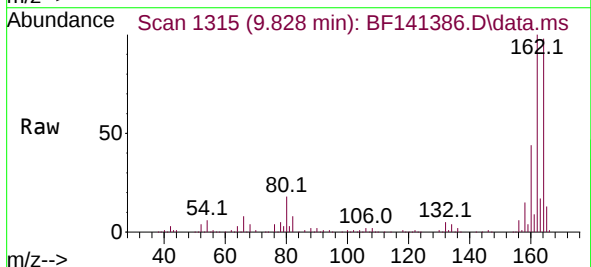
Instrument :
BNA_F
ClientSampleId :
RBR200030

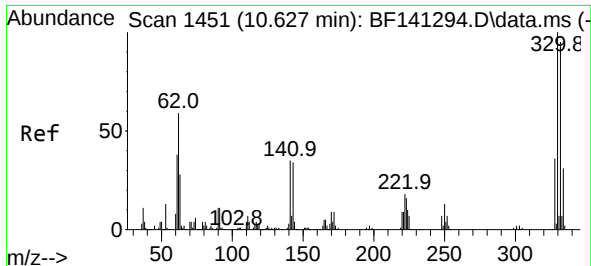
Tgt Ion: 82 Resp: 702465
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

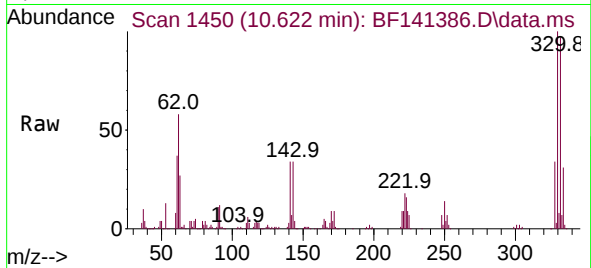
Tgt Ion: 164 Resp: 194093
Ion Ratio Lower Upper
164 100
162 101.5 80.6 121.0
160 44.7 35.8 53.6



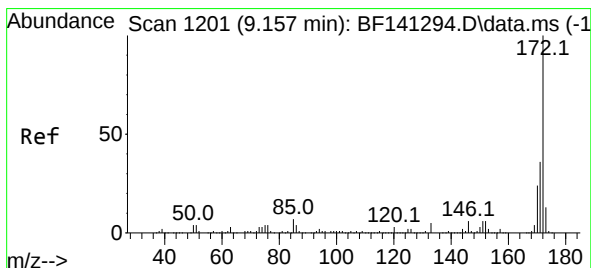
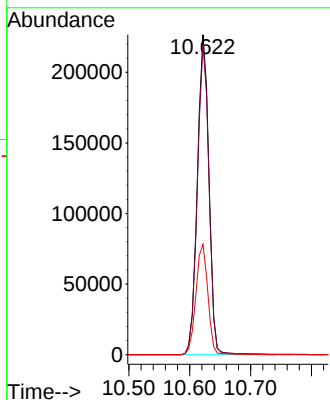
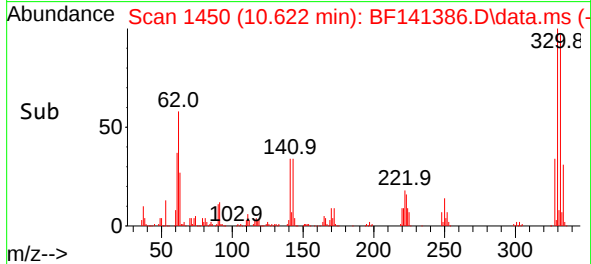


#42
2,4,6-Tribromophenol
Concen: 168.404 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

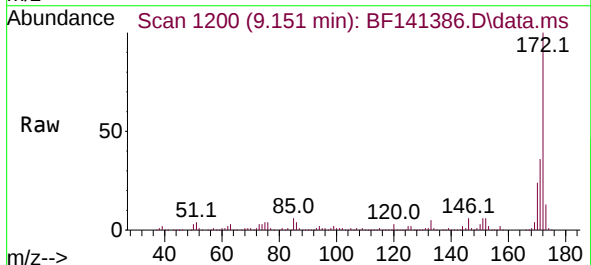
Instrument :
BNA_F
ClientSampleId :
RBR200030



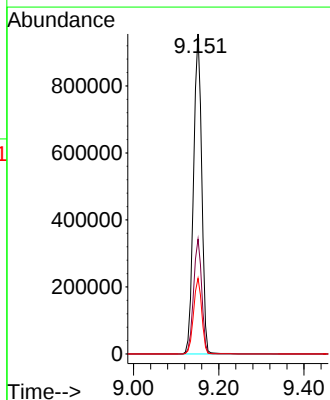
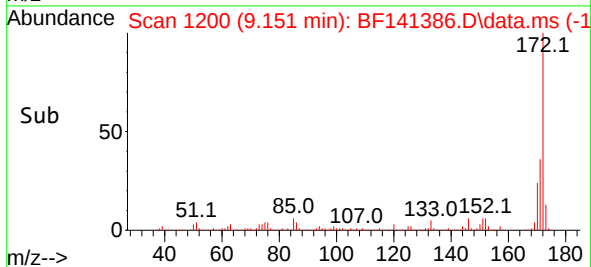
Tgt Ion:330 Resp: 299655
Ion Ratio Lower Upper
330 100
332 97.0 76.1 114.1
141 35.6 28.8 43.2

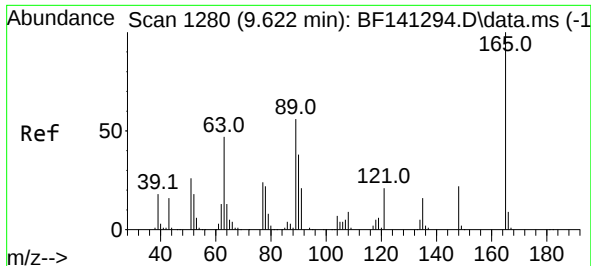


#45
2-Fluorobiphenyl
Concen: 101.149 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04



Tgt Ion:172 Resp: 1275494
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 19.0 28.6

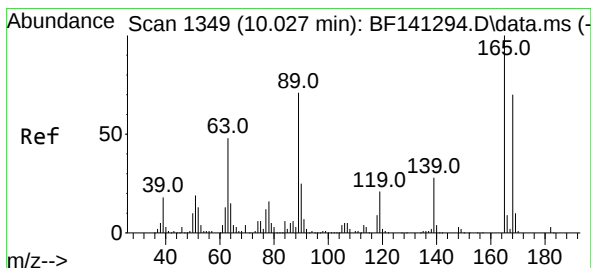
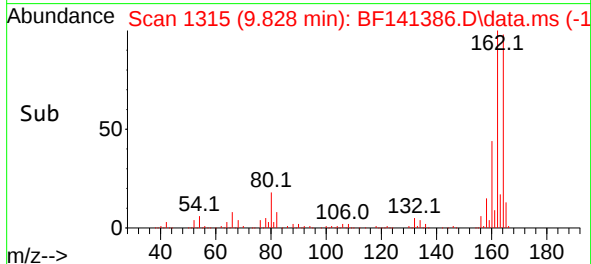
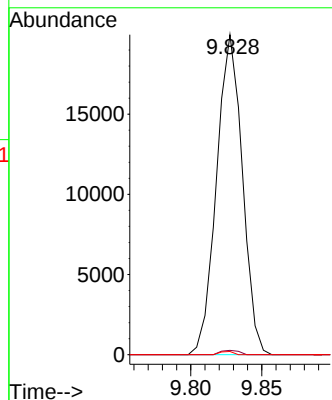
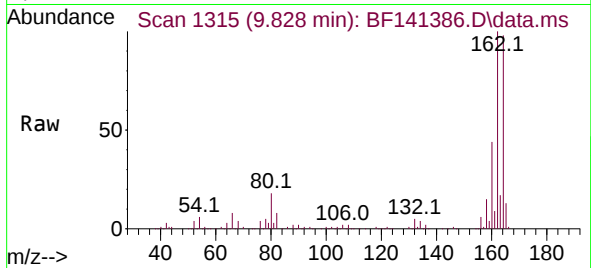




#51
2,6-Dinitrotoluene
Concen: 8.282 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

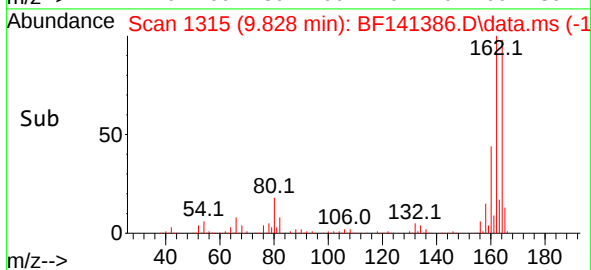
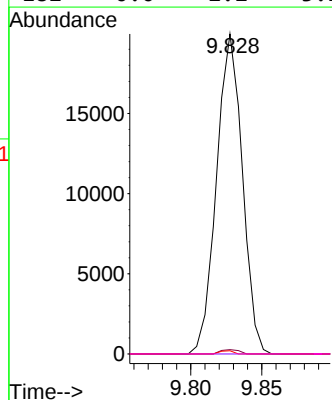
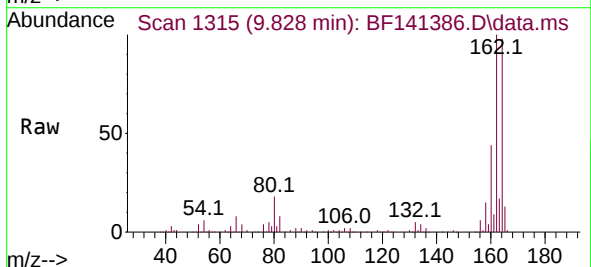
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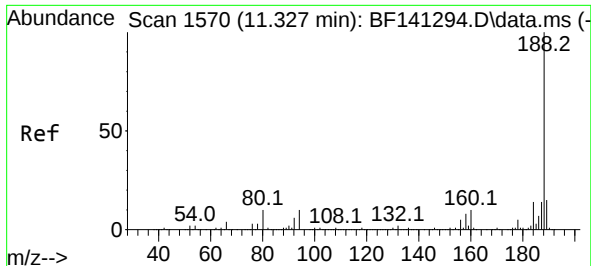
Tgt Ion:165 Resp: 25207
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 6.396 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

Tgt Ion:165 Resp: 25207
Ion Ratio Lower Upper
165 100
63 1.4 39.2 58.8#
89 1.0 56.9 85.3#
182 0.0 2.2 3.2#

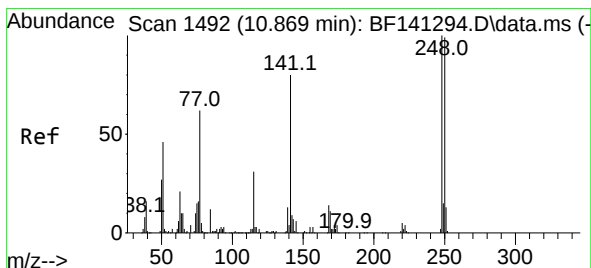
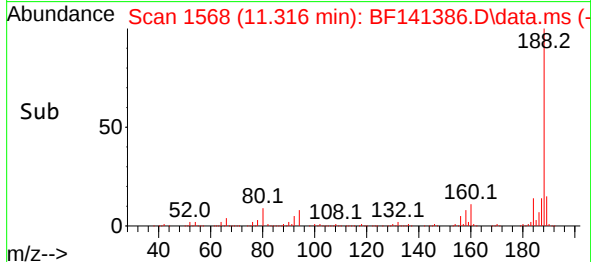
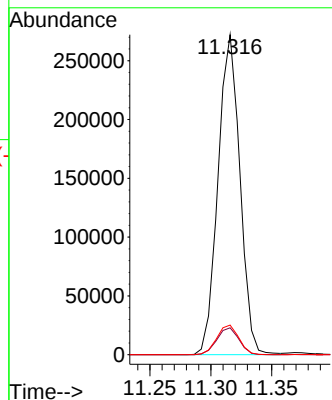
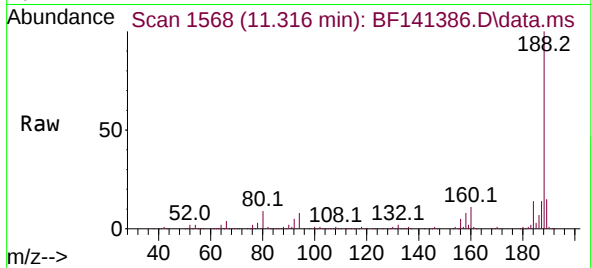




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

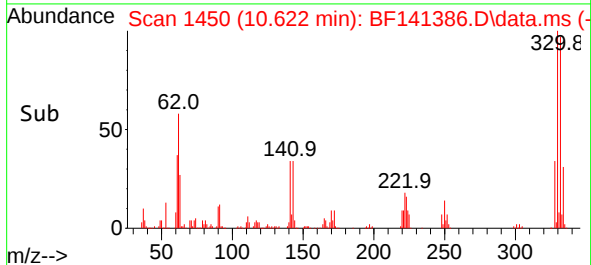
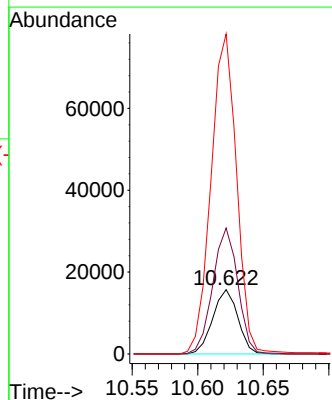
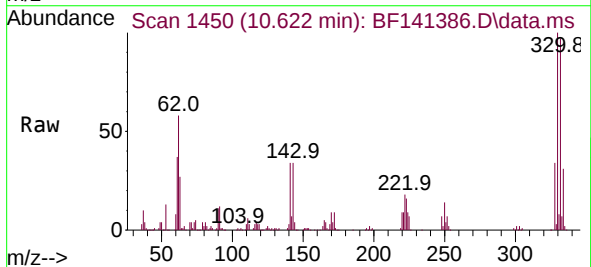
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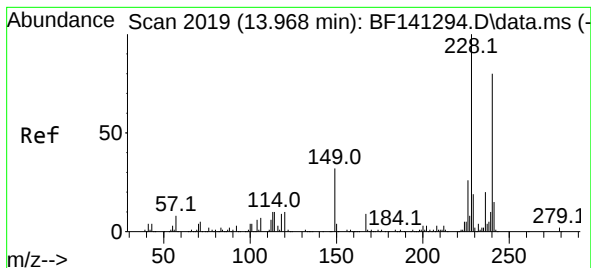
Tgt Ion:188 Resp: 340981
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.3 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 5.483 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF141386.D
Acq: 03 Feb 2025 23:04

Tgt Ion:248 Resp: 20930
Ion Ratio Lower Upper
248 100
250 195.8 79.0 118.4#
141 497.3 63.7 95.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF141386.D

Acq: 03 Feb 2025 23:04

Instrument :

BNA_F

ClientSampleId :

RBR200030

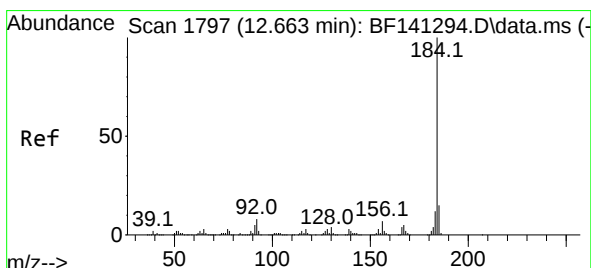
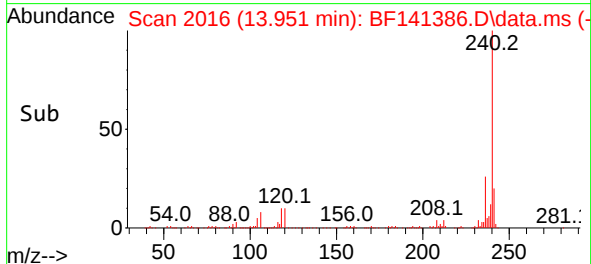
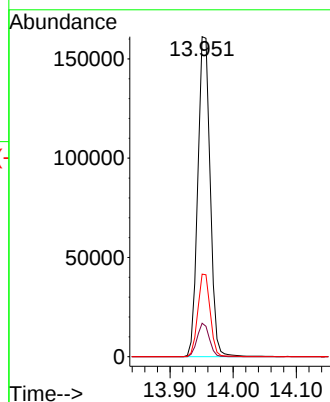
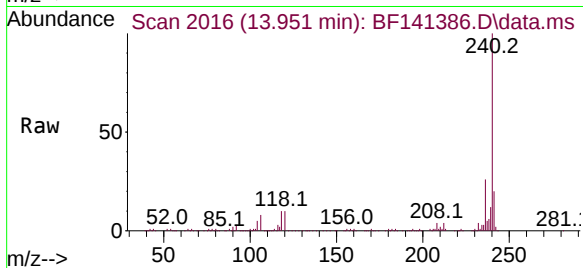
Tgt Ion:240 Resp: 218881

Ion Ratio Lower Upper

240 100

120 10.5 10.0 15.0

236 25.8 19.7 29.5



#77

Benzidine

Concen: 2.552 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.241 min

Lab File: BF141386.D

Acq: 03 Feb 2025 23:04

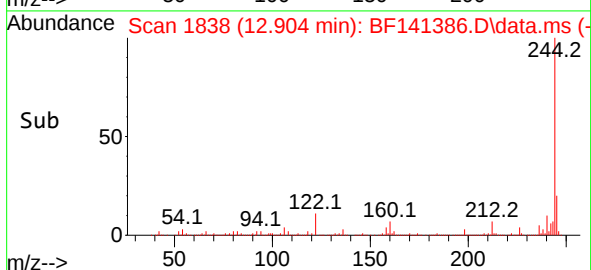
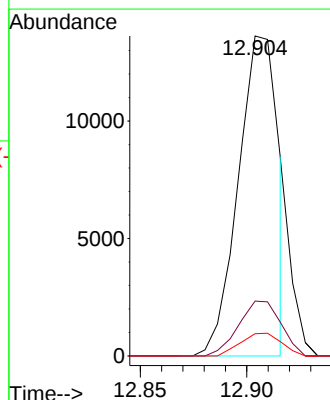
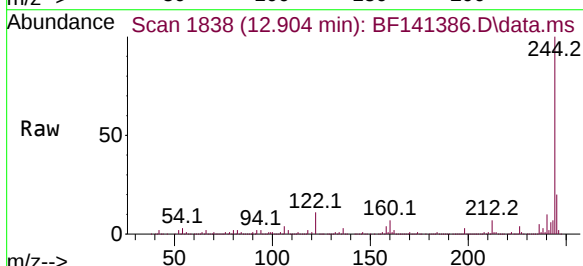
Tgt Ion:184 Resp: 17907

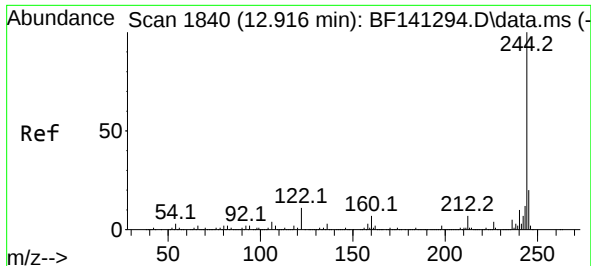
Ion Ratio Lower Upper

184 100

185 17.2 11.9 17.9

183 7.0 9.5 14.3#

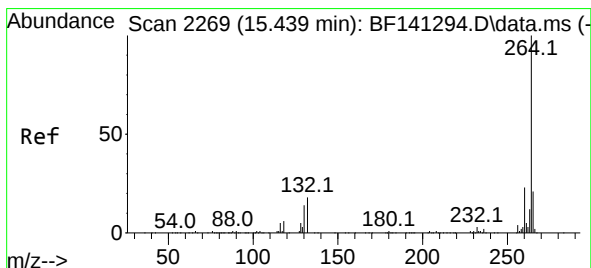
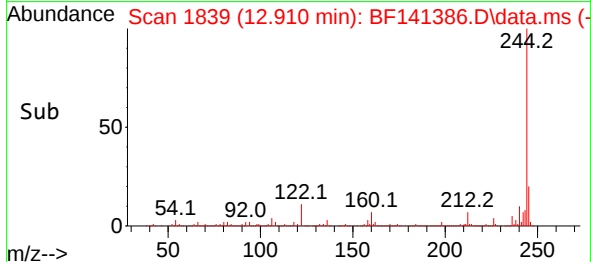
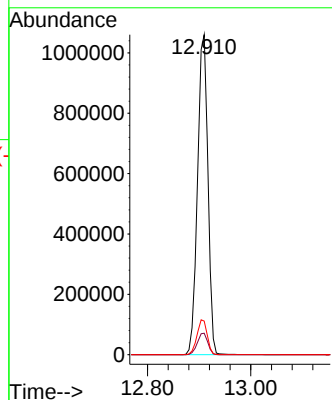
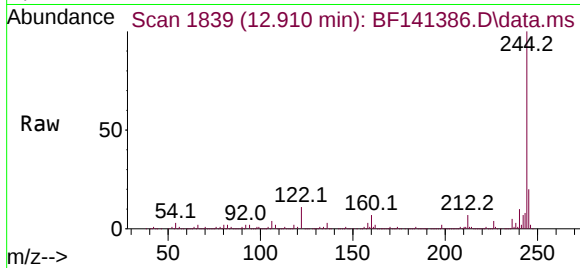




#79
 Terphenyl-d14
 Concen: 104.068 ng
 RT: 12.910 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141386.D
 Acq: 03 Feb 2025 23:04

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Tgt Ion:244 Resp: 1477027
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.5 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2263
 Delta R.T. -0.035 min
 Lab File: BF141386.D
 Acq: 03 Feb 2025 23:04

Tgt Ion:264 Resp: 160575
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.7 16.7 25.1

